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Sixth Catalogue of Fundamental Stars
(FK6)

Part III

Additional Fundamental Stars with Direct Solutions

R. Wielen, H. Schwan, C. Dettbarn,
H. Lenhardt, H. Jahreiß, R. Jährling, E. Khalisi

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Abstract

The FK6 is a suitable combination of the results of the HIPPARCOS astrometry satellite with ground-based data, measured over a long interval of time and summarized mainly in the FK5. Part III of the FK6 (abbreviated FK6(III)) contains additional fundamental stars with direct solutions. Such direct solutions are appropriate for single stars or for objects which can be treated like single stars.

Part III of the FK6 contains in total 3272 stars. Their ground-based data stem from the bright extension of the FK5 (735 stars), from the catalogue of remaining Sup stars (RSup, 732 stars), and from the faint extension of the FK5 (1805 stars).

From the 3272 stars in Part III, we have selected 1928 objects as ‘astrometrically excellent stars’, since their instantaneous proper motions and their mean (time-averaged) ones do not differ significantly. Hence most of the astrometrically excellent stars are well-behaving ‘single-star candidates’ with good astrometric data. These stars are most suited for high-precision astrometry. On the other hand, 354 of the stars in Part III are $\Delta\mu$ binaries in the sense of Wielen et al. (1999a). Many of them are newly discovered probable binaries with no other hitherto known indication of binarity.

The FK6 gives, besides the classical ‘single-star mode’ solutions (SI mode), other solutions which take into account the fact that hidden astrometric binaries among ‘apparently single-stars’ introduce sizable ‘cosmic errors’ into the quasi-instantaneously measured HIPPARCOS proper motions and positions. The FK6 gives, in addition to the SI mode, the ‘long-term prediction (LTP) mode’ and the ‘short-term prediction (STP) mode’. These LTP and STP modes are on average the most precise solutions for apparently single stars, depending on the epoch difference with respect to the HIPPARCOS epoch of about 1991.

The typical mean error of an FK6(III) proper motion in the single-star mode is 0.59 mas/year. This is a factor of 1.34 better than the typical HIPPARCOS errors for these stars of 0.79 mas/year. In the long-term prediction mode, in which cosmic errors are taken into account, the FK6(III) proper motions have a typical mean error of 0.93 mas/year, which is by a factor of about 2 better than the corresponding error for the HIPPARCOS values of 1.83 mas/year (cosmic errors included).

1. Introduction

The Sixth Catalogue of Fundamental Stars (FK6) is the result of the combination of data given in the HIPPARCOS Catalogue (ESA 1997) with data listed in the FK5 (Fricke et al. 1988, 1991) and in the catalogue of the remaining stars from the FK4Sup Catalogue (Schwan et al. 1993, abbreviated RSup). The HIPPARCOS Catalogue itself is based on the measurements obtained by the ESA Astrometry Satellite HIPPARCOS during the years from 1989 until 1993. The results for the FK5 and RSup stars are derived from ground-based observations carried out over a period of typically more than 200 years (basic FK5 stars) or of about 90 years (stars in the FK5 extension and in the RSup). The combined data for the stars given in the FK6 should be more accurate than both the direct HIPPARCOS data and the FK5/RSup results.

Part III of the FK6 (abbreviated FK6(III)) is essentially a continuation of the first part of the FK6 (abbreviated FK6(I); Wielen et al. 1999d). While Part I of the FK6 contains 878 *basic* fundamental stars with *direct* solutions, this Part III of the FK6 presents the results for 3272 *additional* fundamental stars with *direct* solutions. Since the procedures applied in constructing the FK6(III) were essentially the same as those used for the FK6(I), we usually do not repeat them here. We refer to the detailed description given in Part I of the FK6 (Wielen et al. 1999d). Here we shall mention in most cases only those aspects in which Part III differs from Part I.

2. The stars in Part III of the FK6

The 3272 stars contained in Part III of the FK6 are selected from a larger sample of *additional* fundamental stars, called AF stars.

The full sample of the 4112 additional fundamental stars consists of

- (1) 3117 fundamental stars contained in the FK5 extension (Part II of the FK5; Fricke et al. 1991). The FK5 extension itself is made up of:
 - (1a) 992 stars in the ‘bright extension’ (abbreviated BX), selected from the FK4Sup (ARI 1963), and
 - (1b) 2125 stars in the ‘faint extension’ (abbreviated FX, selected from the IRS catalogue (Corbin and Urban, 1990));
- (2) 995 ‘remaining stars’ from the FK4Sup (ARI 1963) which were not selected for the bright extension of the FK5, but were given separately in a special catalogue (RSup; Schwan et al. 1993).

While all the stars from the bright extension (BX) of the FK5 and from the RSup were observed by HIPPARCOS, 14 stars of the faint extension (FX) of the FK5 were not included into the observing program of HIPPARCOS. Those 14 faint fundamental stars had therefore to be excluded from the FK6, since the FK6 is a combination of *HIPPARCOS* data with ground-based measurements of fundamental stars. Here we give only the FK5 numbers of these 14 stars: 4586, 4691, 4749, 4775, 4976, 4982, 5207, 5350, 5357, 5450, 5455, 5584, 5620, 5847. After excluding these 14 stars from the FK6, we are left with a sample of 4098 additional fundamental stars.

Part III of the FK6 contains now those 3272 additional fundamental stars for which a ‘direct solution’ for the combination with HIPPARCOS data seemed appropriate to us (735 BX stars, 732 RSup stars, 1805 FX stars). The criteria for a direct solution are those described in Section 4 of Part I: A direct solution is basically appropriate for single stars, but in general not for binaries. However, as explained in Part I, we have used direct solutions also for some kinds of binaries, such as ‘ $\Delta\mu$ binaries’ (Wielen et al. 1999a), spectroscopic binaries without a known orbit, etc. Hence Part III contains a significant fraction of double or even multiple stars.

The remaining 826 additional fundamental stars which are *not* contained in Part III of the FK6 present the reservoir for the planned Part IV of the FK6. That Part IV should contain *additional* fundamental stars with ‘*special* solutions’, similar to Part II which contains *basic* fundamental stars with *special* solutions.

3. Astrometrically excellent stars

The highest astrometric accuracy can be achieved and maintained for single stars only. Most of the stars in Part III of the FK6 are objects for which we do not have a firm indication for a binary nature, neither from ground-based observations nor from HIPPARCOS measurements. The only exceptions, mentioned in Section 2, are objects identified as $\Delta\mu$ binaries, spectroscopic binaries without a known orbit, and eclipsing binaries. In order to identify the astrometrically ‘well-behaving’ stars we have introduced the flag ‘astrometrically excellent star’. As described in Section 5 of Part I, we use three levels of excellence, similar to the ‘stars’ given in a famous guide for the excellence of restaurants.

The highest rank (***, $K_{ae} = 3$) of astrometrically excellence is given to those stars which fulfill the following two conditions:

- (1) the star is a ‘single-star candidate’ in the terminology of Wielen et al. (1999a),
- (2) the measuring errors $\varepsilon_{\Delta\mu,\alpha*}$ and $\varepsilon_{\Delta\mu,\delta}$ of at least one of the proper-motion differences $\Delta\mu_{FH}$, $\Delta\mu_{0H}$, $\Delta\mu_{0(GC)H}$, or $\Delta\mu_{TH}$ are small. Quantitatively we use:

$$\varepsilon_{\Delta\mu,1D} = \left((\varepsilon_{\Delta\mu,\alpha*}^2 + \varepsilon_{\Delta\mu,\delta}^2) / 2 \right)^{1/2} < 2.00 \text{ mas/year.}$$

The condition (1) means that the test parameters F for the statistical significance of the five proper-motion differences $\Delta\mu_{FH}$, $\Delta\mu_{0F}$, $\Delta\mu_{0H}$, $\Delta\mu_{0(GC)H}$, $\Delta\mu_{TH}$ are all below 2.49. Furthermore, we have no other indication whatsoever that the star is (or may be) a double star. In addition to the four proper-motion differences mentioned by Wielen et al. (1999a), we are using here also the difference $\Delta\mu_{TH} = \mu_T - \mu_H$, where μ_T is the proper motion given in the TYCHO2 Catalogue (Hoeg et al. 2000) and μ_H is taken from the HIPPARCOS Catalogue (ESA 1997). The requirement (2) is useful in order to eliminate as many binaries as possible, since objects with large measuring errors in $\Delta\mu$ tend to give low values of F , thereby qualifying more easily as single-star candidates than objects with small measuring errors.

For the astrometrically excellent stars of the second rank (**, $K_{ae} = 2$), we drop the condition (2).

In the lowest category of the astrometric excellence (*, $K_{ae} = 1$), the object has to fulfill the requirement (1) for the F values, but we now allow reports on a (possible) variability of the radial velocity. Many of these reports are either unjustified (i.e. the radial velocity is actually constant, implying no spectroscopic binarity), or the radial-velocity variability is real but probably caused by other reasons than binarity (e.g. by stellar pulsations, stellar winds, circumstellar shells). In the case of $K_{ae} = 1$, the user should check a possible note for this star, or the information given by other catalogues or databases.

In addition to the criteria for K_{ae} given above, we degrade a star with $K_{ae} = 3$ or 2 to $K_{ae} = 1$, if the HIPPARCOS data reduction has indicated severe problems with the linear standard solution for this star. Such problems are often a hint on a possible binary nature of the star. Quantitatively, we degrade a star to $K_{ae} = 1$, if the percentage $F1$ of rejected HIPPARCOS data (given in HIP Field H29 and in Column U of our Tabular Notes) is ≥ 5 percent, or if the HIPPARCOS goodness-of-fit parameter $F2$ (given in HIP Field H30 and in Column F of our Tabular Notes) is ≥ 3.00 .

For obvious technical reasons, observational reports on binarity, e.g. based on variable radial velocities, double-lined spectra, speckle measurements etc., occur relatively more frequently for apparently bright stars than for faint ones. This means that a faint FX star has on average a larger probability than a brighter star to be classified as an astrometrically excellent star, because of the lack of an indication of its binarity. The user may take this bias into account in his applications, e.g. by trusting the K_{ae} classification more for basic stars, BX stars, and RSup stars than for FX stars, using Field 3 of the FK6(III). A missing radial velocity in Field 18 of the FK6(III) is also a warning signal which indicates a low level of information on binarity.

Part III of the FK6 contains 1928 astrometrically excellent stars (***: 1688 stars; **: 2 stars; *: 238 stars). Among the various samples of stars contributing to the FK6(III), the rank of astrometric excellence is distributed as follows: BX stars: 270 ***, 0 **, 101 *; RSup stars: 296 ***, 1 **, 106 *; FX stars: 1122 ***, 1 **, 31 *.

4. The use of the RSup for the FK6

Why have we used the RSup (Schwan et al. 1993) for the FK6, especially for Part III? It is true that these RSup stars are not fundamental stars proper, i.e. they were not included in the FK5. However, all the FKSup stars (including the RSup stars) were selected for the FK3Supp (Kopff 1953, 1955) and were listed again in the FK4Sup (ARI 1963) because of their good observational history. Due to their inclusion into the FK3Supp and FK4Sup, they were even more intensively measured by meridian circles after the availability of these lists of supplementary fundamental stars.

As a preparation for the FK5 extension, *all* the 1987 stars from the FK4Sup were at first treated by using exactly the same procedures. Only after this fully uniform treatment, 992 stars from the FK4Sup were, in a second step, selected for the bright extension (BX) of the FK5. The selection criteria took into account (1) small mean errors of the positions and proper motions, (2) the desired homogeneous distribution of all the FK5 stars on the celestial sphere and in apparent magnitude, and (3) to limit the number of bright stars in the FK5. Hence the astrometric quality of the 995 RSup stars is not very much

inferior to that of the 992 BX stars actually selected for the FK5. It was for this reason that the Astronomisches Rechen-Institut decided in 1993 to publish the RSup as a separate catalogue, as a kind of supplement to the FK5. In view of the history of the 995 RSup stars it seems to us fully adequate to include now these ‘almost fundamental stars’ into the FK6, especially in order to increase the number of accurately measured bright stars in the FK6 as far as possible.

Due to the first selection criterion for BX stars, namely best astrometric accuracy, it is clear that the ground-based astrometric data of the RSup stars are somewhat less accurate than those of the BX stars. However, since the typical apparent magnitude of the RSup stars ($5^m 94$) is nearly equal to that of the BX stars ($5^m 87$) and since the distributions of the RSup and BX stars on the sky do not differ significantly, the accuracy of the *HIPPARCOS* data for the two groups of stars is essentially the same. In a combination of ground-based measurements with these *HIPPARCOS* data, the satellite data diminish therefore the difference in accuracy between the RSup and BX stars. Still, the FK6 slightly reflects the different ground-based accuracies of the BX and RSup stars. From a comparison of Tables 2 and 6 we see that the typical mean error of an FK6 proper motion is larger by a factor of 1.13 for the RSup stars than for the BX stars. On the other hand the RSup stars are more accurate than the FX stars, as indicated by Table 10.

5. Differences between basic and additional fundamental stars

For the purpose of constructing the FK6, the additional fundamental stars have a somewhat hidden drawback with respect to the basic fundamental stars. The ground-based data for the basic fundamental stars, taken from the FK5(I) and used in the FK6(I), include very old astrometric catalogues and cover therefore a time period of more than 200 years. In contrast, the earliest astrometric catalogues used for the FK5 extension (BX and FX) and for the RSup date back to the end of the 19th century only. Older catalogues have been dismissed for the FK5 extension. The main reason for doing so was the aim to construct an accurate astrometric *system* and the fact that the older catalogues would not contribute significantly to this task. Just for this reason the FK5 *system* (even for the basic stars) was derived from catalogues after 1900 only. However, for the *individual* positions and proper motions of the basic stars, the older catalogues were implicitly implemented into the FK5(I) by the use of the corresponding FK4 data. A secondary, but very practical reason for not using the older catalogues for the FK5 extension was the fact that their data were often not available in a machine-readable format at that time.

For the FK6 one would prefer to include also the older observational catalogues into the treatment of the additional

fundamental stars. We have investigated this problem and came to the conclusion that such an enterprise would cause a considerable delay in the publication of the FK6(III). We have therefore decided to use the ground-based data for the additional fundamental stars as they are published in the FK5 extension and the RSup catalogue. A further improvement of the FK6 results for these stars will be undertaken in our FK7 project where the data of all the individual astrometric catalogues will be combined with the HIPPARCOS data. The data from the GC (Boss et al. 1937), which contains observations from about 1750 onwards, cannot be implemented into the FK6(III), since the GC and the FK5(II) overlap for the period from about 1890 until 1930. It would be incorrect to use the observations during this period effectively twice. At present the user of the FK6(III) should be aware that the data of the FK6(III) stars are based on a smaller time basis than those of the FK6(I) stars. This is not only a question of accuracy (which is always correctly indicated by the mean errors given in the FK6), but has also implications for the averaging of the orbital motions of undetected astrometric binaries.

The detection of $\Delta\mu$ binaries (Wielen et al. 1999a) is not severely hampered by the shorter time basis for the additional fundamental stars. As in the case of the basic stars (FK6(I)), we use in the FK6(III) also the test parameter $F_{0(GC)H}$, which is based on a comparison of the HIPPARCOS proper motion μ_H with the proper motion $\mu_{0(GC)H}$ (derived from the positions given by HIPPARCOS and by the GC). The GC (Boss et al. 1937) used fortunately most of the older astrometric catalogues. The proper motion $\mu_{0(GC)H}$ is therefore also for the additional fundamental stars a very long-term average. About 74 percent of the FK6(III) stars are contained in the GC, most of them with reasonably accurate data. Hence our classification of stars as ‘ $\Delta\mu$ binaries’ or as ‘single-star candidates’ (and hence often as ‘astrometrically excellent stars’) should not be significantly affected by the shorter time basis of the FK5(III) data (but, of course, by the lower accuracy of these data).

For detecting $\Delta\mu$ binaries, the use of F_{TH} , based on the TYCHO2 proper motions μ_T (Hoeg et al. 2000), does not enlarge significantly the time basis with respect to the FK5 and RSup. The epoch differences between the oldest catalogue used and the most recent one used are usually about the same for FK5(II), RSup and TYCHO2, namely slightly less than a century.

6. The system of the FK6

The FK6 is supposed to be on the internationally adopted reference system ICRS (IAU 1992, 1999) by our use of the HIPPARCOS system. The ICRS is primarily defined by 212 quasars observed at radio wavelengths. At optical wavelengths, the ICRS is represented by the system of the HIPPARCOS Catalogue (ESA 1997). More details are given in Section 6 of Part I.

In order to have the stars in Part III of the FK6 in the HIPPARCOS system, we brought the positions and proper motion given in the FK5(II) and in the RSup onto the HIPPARCOS system, before we carried out the combination methods described in Section 9 of Part I.

Which systematic corrections FK5–HIP should be applied to the additional fundamental stars contained in the FK5(II) and in the RSup? Since the extension of the FK5 and the RSup are supposed to be on the FK5 system, one possibility would be to apply simply the analytic form of the systematic corrections derived from the basic fundamental stars and used in Part I, to the FK6(III) stars. However, in the FK5, the set-up of the system for the fainter FX stars was rather different from that for the basic stars, which are brighter. Hence we have determined a new version of the systematic differences FK5–HIP from the FX stars alone.

For the brighter additional fundamental stars, i.e. the BX+RSup stars, no new system was derived during the production phase of the FK5. Instead they were first treated in the FK4 system, and then reduced to the FK5 system by applying the systematic differences FK5–FK4 determined from the basic stars. Hence the probability that the BX+RSup stars show the same systematic differences with respect to the HIPPARCOS system as the basic stars is rather high. Nevertheless, we decided not to adopt the corrections derived from the basic FK5 stars, but to determine a new version of the systematic differences FK5–HIP also for the BX+RSup stars, by using only these stars, in order to be on the safe side. Since the BX and RSup stars were treated during the FK5 production in fully the same manner, we consider them here as a homogeneous sample. We have, of course, tested that the systematic differences determined separately from the two samples (BX stars versus RSup stars) do not differ significantly from each other, as it was to be expected.

The systematic differences FK5–HIP obtained from the FX stars and from the BX+RSup stars are in rather good agreement with those derived from the basic FK5 stars. Nevertheless, we think it is more appropriate to use those slightly different systematic corrections FK5–HIP which we determined separately for the three groups of fundamental stars: basic stars, FX stars, and BX+RSup stars.

The procedures for determining the systematic differences FK5–HIP for the FX and BX+RSup stars were exactly the same as those described in Section 6 of Part I for the basic stars. We have used 1724 BX+RSup stars and 1859 FX stars for determining the systematic differences in position, and 1687 BX+RSup stars and 1876 FX stars for the systematic differences in proper motion. These stars are identified in the machine-readable version of the FK6(III), as far as they are contained in Part III.

Besides the initial rigid rotations (6 parameters per subsample of the BX+RSup and FX stars), we used the following

number of functions to represent the regional systematic differences in positions and proper motions:

- BX+RSup stars: epoch $T_{sys, BX+RSup} = 1956.1$,
 33 functions in α_* , 28 in δ ,
 27 functions in $\mu_{\alpha*}$, 15 in μ_δ ,
- FX stars: epoch $T_{sys, FX} = 1940.1$,
 23 functions in α_* , 16 in δ ,
 38 functions in $\mu_{\alpha*}$, 20 in μ_δ .

In contrast to the basic stars, the additional fundamental stars show a slight magnitude equation: For the BX+RSup stars, 1 function in α_* , no function in δ , 2 functions in $\mu_{\alpha*}$, and no function in μ_δ depend on the apparent magnitude m . For the FX stars, the number of magnitude-depending functions is 2 in α_* , 1 in δ , 2 in $\mu_{\alpha*}$, and none in μ_δ . The significance level of the accepted functions was chosen to be 5 percent, as in Part I for the basic stars. The systematic differences are valid for the epoch T_{sys} , given above for the BX+RSup stars and the FX stars separately. T_{sys} is chosen close to the average central epoch of the stars in the corresponding sample.

The full systematic differences FK5–HIP in positions and proper motions for the epochs $T_{sys, BX+RSup}$ and $T_{sys, FX}$ are given for each star in the machine-readable version of the FK6(III) Catalogue. The systematic differences applied to the FK5(II) and RSup positions at the individual central epochs of each star are calculated from the systematic differences in position at the corresponding epoch T_{sys} and from the systematic differences in proper motion.

The method used to determine the systematic differences (Bien et al. 1978) gives, besides the differences themselves, also the uncertainty in these systematic differences in the form of their mean errors as a function of α and δ (and m , if necessary). These mean errors of the systematic differences for the FK6(III) stars are also given in the machine-readable version of the FK6(III) Catalogue. They have been used in calculating the total mean errors of the individual differences of the FK5(II) and RSup stars with respect to HIPPARCOS, which are obtained by subtracting the systematic differences from the total ones.

Finally we have confirmed by a comparison of the newly derived FK6(III) Catalogue with the HIPPARCOS Catalogue that the FK6(III) is very accurately on the HIPPARCOS/ICRS system, as it should be by construction.

7. Various solutions given in the FK6

In Section 7 of Part I, we have explained in detail why the FK6 is giving three types of ‘solutions’ (or ‘modes’):

- (1) the single-star mode (abbreviated: SI mode),
- (2) the long-term prediction mode (LTP mode),
- (3) the short-term prediction mode (STP mode).

All the three solutions use models in which the star moves linearly in time. Hence the prediction of a stellar position for an arbitrary epoch t follows from a ‘central’ position $x(T_{x,c})$ at a ‘central’ epoch $T_{x,c}$ and a constant proper motion μ by

$$x(t) = x(T_{x,c}) + \mu(t - T_{x,c}) , \quad (1)$$

if we neglect here the effects of sphericity and of foreshortening. In actual computations, the assumption of a constant velocity in three-dimensional space has to be used. In Eq. (1), x stands for one of the stellar coordinates (right ascension α or $\alpha_* = \alpha \cos \delta$, or declination δ), μ for the corresponding proper motion (μ_α or $\mu_{\alpha*}$, or μ_δ), and $T_{x,c}$ is the central epoch in this coordinate.

The single-star mode is the classical solution for single stars. In this sense, all the data given in earlier fundamental (and other astrometric) catalogues were obtained in the single-star mode.

According to the principles of statistical astrometry (Wielen 1997, especially Sections 4.2.4 and 4.2.5) the most accurate prediction of an instantaneous position $x(t)$ requires non-linear functions, if we base our prediction on ‘instantaneously’ measured HIPPARCOS data and on ‘mean’ data from the FK5. However, for deriving these non-linear predictions we had to know the necessary correlation functions $\xi(\Delta t)$, $\eta(\Delta t)$, and $\zeta(\Delta t)$ rather accurately, which is not the case at present. The FK6 gives therefore the two limiting cases of the best non-linear prediction for epoch differences $|\Delta t|$ which are either large or small. The epoch difference Δt is measured relative to the mean epoch of the HIPPARCOS observations, $T_{x,H} \sim T_H = 1991.25$:

$$\Delta t = t - T_{x,H} . \quad (2)$$

The long-term prediction is valid for large values of $|\Delta t|$. It should be a good prediction for $x(t)$ for $|\Delta t|$ larger than about 10–20 years. The proper motion given in the long-term prediction should be close to that of the center-of-mass in the case of undetected astrometric binaries. The long-term mode makes primarily a prediction of the ‘mean’ position of the photo-center of the object. For large $|\Delta t|$ this is, however, also the statistically best prediction for the actual ‘instantaneous’ position of the photo-center at epoch t .

The short-term prediction is valid for small values of $|\Delta t|$, say for $|\Delta t|$ smaller than a few years. It is essentially the HIPPARCOS solution, but slightly improved by the additional information contained in the mean data given by the FK5.

As mentioned above, the most accurate prediction $x_p(t)$ for the instantaneous position $x(t)$ of a star at an arbitrary epoch t is given by a smooth transition from the short-term prediction $x_{STP}(t)$ for small $|\Delta t|$ to the long-term prediction $x_{LTP}(t)$ for large values of $|\Delta t|$:

$$x_p(t) = (1 - \beta_{trans}(t)) x_{LTP}(t) + \beta_{trans}(t) x_{STP}(t) . \quad (3)$$

According to Wielen et al. (2000), the ‘transition function’ $\beta_{trans}(t)$ is very accurately approximated by

$$\beta_{trans}(t) = \frac{\zeta(t - T_{STP})}{\eta(0)(t - T_{STP})}, \quad (4)$$

where $\zeta(\Delta t)$ and $\eta(\Delta t)$ are the correlation functions which are required in the framework of statistical astrometry (Wielen 1997). If we use the simple example for these correlation functions given in Section 3.6 of Wielen (1997), we find

$$\beta_{trans}(\Delta t) = e^{-\frac{1}{2} \left(\frac{\Delta t}{S}\right)^2}, \quad (5)$$

with $\Delta t = t - T_{STP}$ and $S = 4.74$ years. For some values of Δt , the function $\beta_{trans}(\Delta t)$ according to Eq. (5) is listed in Table 1.

In the framework of statistical astrometry, the most accurate prediction $\mu_p(t)$ for the instantaneous proper motion $\mu(t)$ is provided by

$$\mu_p(t) = (1 - \nu_{trans}(t)) \mu_{LTP}(t) + \nu_{trans}(t) \mu_{STP}(t). \quad (6)$$

The transition function $\nu_{trans}(t)$ is given (Wielen et al. 2000) by

$$\nu_{trans}(t) = \frac{\eta(t - T_{STP})}{\eta(0)}. \quad (7)$$

Using again the simple example for the correlation functions given in Section 3.6 of Wielen (1997), we find

$$\nu_{trans}(\Delta t) = \left(1 - \left(\frac{\Delta t}{S}\right)^2\right) e^{-\frac{1}{2} \left(\frac{\Delta t}{S}\right)^2}. \quad (8)$$

The resulting function $\nu_{trans}(\Delta t)$ is listed in Table 1.

For deciding which of the solutions given in the FK6 should be adopted for a specific application, the user is referred to Section 8 of Part I of the FK6 and to Section 9 of Wielen et al. (2000).

The rules for calculating the mean error of a position predicted by one of the various modes of the FK6 are described in Section 11 of Part I.

The methods used in Part III for combining the ground-based measurements with the HIPPARCOS data are exactly the same as applied in the FK6(I). They are described in Section 9 of Part I, and in more detail by Wielen et al. (1999b, 2000). See also Wielen (1988) and Wielen et al. (1998, 1999c).

For the cosmic errors $c_\mu(p)$ and $c_x(p)$ used, see Section 9 of this Part III. More information on cosmic errors is given by Wielen (1995a, b, 1997) and Wielen et al. (1997, 1998, 2000).

In contrast to Part I of the FK6, the *printed* version of Part III gives the full information (except correlation coefficients and parallax) for the single-star mode (SI) only. For the other

Table 1. Transition functions $\beta_{trans}(t)$ and $\nu_{trans}(t)$ for a simple example according to Eqs. (5) and (8)

$|\Delta t| = |t - T_2|$ [years]	$\beta_{trans}(\Delta t)$	$\nu_{trans}(\Delta t)$
0	1.000	1.000
1	0.978	0.934
2	0.915	0.752
3	0.819	0.491
4	0.700	0.202
5	0.573	-0.065
6	0.449	-0.270
7	0.336	-0.397
8	0.241	-0.445
9	0.165	-0.430
10	0.108	-0.373
11	0.068	-0.297
12	0.041	-0.219
13	0.023	-0.152
14	0.013	-0.099
15	0.007	-0.060
20	0.0001	-0.002

modes (LTP and STP), as well as for the FK5/RSup and HIPPARCOS results, the printed version lists the proper-motion results of the FK6 only. The *full* information for all the other modes are provided, however, in the machine-readable versions of Part III of the FK6 (see Section 12).

8. Error budget of Part III of the FK6

The Tables 2–33 give the error budget for the stars in Part III of the FK6 in form of the root-mean-squared (rms) averages of the values for the individual stars. We give the errors separately for α_* and δ , and we have formed a ‘mean’ value for one coordinate by taking the rms average over α_* and δ . The typical ratio between the mean errors in the HIPPARCOS Catalogue and in Part III of the FK6 is formed from the rms averages given above. For the positions, the mean errors are valid at the individual central epochs T . The mean values of T given in these tables are direct means over the individual epochs.

Table 2 indicates a typical mean error of a proper motion of a BX star in the single-star mode of the FK6(III) of 0.48 mas/year. This is larger than the corresponding mean error of 0.35 mas/year of the basic fundamental (BA) stars contained in the FK6(I), by a factor of 1.37. With respect to HIPPARCOS and to the FK5(BX), the mean error of the FK6(III) for the BX stars is better by a factor of 1.38 and 3.8, respectively.

A comparison of Table 6 with Table 2 shows that the FK6 results for the proper motions of RSup stars are only slightly less accurate than for the BX stars (0.54 mas/year versus 0.48 mas/year, factor of 1.13). In contrast, the fainter FX stars (Table 10) have significantly larger errors (0.65 mas/year). However, the gain in accuracy with respect to HIPPARCOS and FK5(FX) is roughly the same for the FX stars (factors of 1.37 and 4.7) as for the BX stars (1.38, 3.8).

The Tables 3, 7, 11, and 15 show that the samples of astrometrically excellent stars do not differ significantly from the non-excellent stars with respect to their formal accuracy. Of course, the fact that the astrometrically excellent stars have on average much smaller cosmic errors in their proper motions, is their main advantage with respect to the non-excellent objects.

The full sample of all the 3272 stars in Part III of the FK6 provides proper motions which are less accurate (0.59 mas/year) than those of the 878 stars in Part I of the FK6 (0.35 mas/year). The corresponding factor of 1.7 shows clearly the outstanding accuracy of the basic fundamental stars. However, the improvement in the accuracy of the FK6(III) stars with respect to HIPPARCOS by a factor of 1.34 (instead of a factor of 1.91 for the FK6(I) stars) is still important for many applications. If we take the cosmic errors in the proper motions into account and compare therefore the results of the long-term prediction mode of the FK6(III) with HIPPARCOS, then the gain in accuracy with respect to HIPPARCOS is much larger, by a factor of 2.0 for all the FK6(III) stars (Table 16) and by 2.5 for the BX stars in Part III (Table 4).

The Tables 18-33 contain the error budget for the central positions of the stars in the FK6(III). As to be expected and seen already in the FK6(I), these positions are mainly determined by the extremely accurate HIPPARCOS positions, even in the LTP mode. However, the accuracy of predicted positions at epochs which differ significantly from the mean HIPPARCOS epoch of about 1991.25, is governed by the mean errors of the proper motions and not by those of the positions at the central epochs.

9. Parallaxes, cosmic errors, and auxiliary data

Our basic procedures with respect to the parallaxes are the same as described in Section 12 of Part I of the FK6. In Field 15 of the FK6(III), we give a ‘resulting parallax’ p_{res} , which is either the HIPPARCOS parallax p_H or, for distant stars, a newly derived photometric-spectroscopic parallax p_{ph} . The mean error $\varepsilon_{p,res}$ of p_{res} is given in Field 16, the source of p_{res} in Field 17. The resulting parallax is used for calculating the cosmic errors $c_\mu(p)$ and $c_x(p)$.

The cosmic errors $c_\mu(p)$ and $c_x(p)$ are required for obtaining the long-term predictions (LTP) and the short-term

predictions (STP), given in the FK6 in addition to the single-star mode (SI). See Section 9 of Part I of the FK6 and Section 7 of this Part III. In Part III of the FK6, we use the same formulae for calculating the cosmic errors $c_\mu(p)$ and $c_x(p)$ as in Part I of the FK6, i.e. Eqs. (27)-(31) of the FK6(I). This is certainly a good approximation for the BX stars and the RSup stars, which have roughly the same distribution of apparent magnitudes as the basic fundamental stars. For the fainter FX stars, the use of the cosmic errors derived from the basic fundamental stars is probably less justified. However, first results on c_μ from fainter GC stars (see Table 2 of Wielen et al. 1998) do not indicate a strong dependence of c_μ on the apparent magnitude m .

The radial velocities v_{rad} , used in calculating the foreshortening effect, have been collected from various sources (e.g. Barbier-Brossat and Fignon 2000) and are given in Field 18 of the FK6(III) Catalogue. If Field 18 is blank, we have used $v_{rad} = 0$ for calculating the foreshortening effect. As in Part I, the foreshortening is based on the original HIPPARCOS parallax p_H , not on p_{res} . The apparent visual magnitude m_V and a flag for a possible variability of the star are taken from the HIPPARCOS Catalogue (ESA 1997) and are given in the Fields 19 and 20.

10. How to transform the FK6 data to another epoch and/or equinox ?

If the data given in the FK6(III), which are valid for epoch and equinox J2000, should be transformed to another epoch or equinox, the user should follow the advice given in the Sections 14 and 15 of Part I for the FK6(I).

11. General remarks on the notes to the FK6(III) Catalogue

In contrast to Part I of the FK6, Part III gives possible notes for a star in two different versions:

For many stars, we provide ‘tabular notes’ on pages 295-306. These tabular notes give information on the possible binary nature of a star in a very concise format. This format is explained on pages 293-294. Much of the information given in a tabular note has affected the determination of d_2 of K_{bin} , given in Field 21 of the FK6(III) Catalogue. If a positive indication on binarity is mainly reported in the BSC or by an old paper, we have usually classified the star as a ‘possible’ binary (i.e. $d_2 = 9$).

For a few stars, we give ‘individual notes’ on pages 307-308. These individual notes supplement the tabular notes if considered helpful by us.

Table 2. Error budget for the proper motions of the 735 BX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
FK5			
random	1.66	1.94	1.81
system	0.35	0.28	0.32
total	1.70	1.96	1.83
μ_0			
random	0.97	1.08	1.03
system	0.27	0.25	0.26
total	1.01	1.11	1.06
FK6			
random	0.48	0.47	0.48
ratio of HIPPARCOS to FK6 errors	1.5	1.3	1.4

Table 4. Error budget for the proper motions of the 735 BX stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
cosmic (in μ)	1.85	1.85	1.85
total	1.99	1.94	1.96
FK5			
random	1.66	1.94	1.81
system	0.35	0.28	0.32
total	1.70	1.96	1.83
μ_0			
random	0.97	1.08	1.03
system	0.27	0.25	0.26
cosmic (due to x)	0.32	0.27	0.30
total	1.06	1.14	1.10
FK6			
random	0.77	0.83	0.80
ratio of HIPPARCOS to FK6 errors	2.6	2.3	2.5

Table 3. Error budget for the proper motions of the 371 astrometrically excellent BX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
FK5			
random	1.72	1.99	1.86
system	0.36	0.28	0.32
total	1.76	2.01	1.89
μ_0			
random	1.00	1.11	1.06
system	0.27	0.25	0.26
total	1.04	1.14	1.09
FK6			
random	0.49	0.47	0.48
ratio of HIPPARCOS to FK6 errors	1.5	1.3	1.4

Table 5. Error budget for the proper motions of the 735 BX stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
FK5			
random	1.66	1.94	1.81
system	0.35	0.28	0.32
cosmic (in μ)	1.85	1.85	1.85
total	2.51	2.70	2.61
μ_0			
random	0.97	1.08	1.03
system	0.27	0.25	0.26
cosmic (due to x)	0.32	0.27	0.30
cosmic (in μ)	1.85	1.85	1.85
total	2.13	2.17	2.15
FK6			
random	0.66	0.55	0.61
ratio of HIPPARCOS to FK6 errors	1.1	1.1	1.1

Table 6. Error budget for the proper motions of the 732 RSup stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
RSup			
random	2.68	2.98	2.84
system	0.35	0.28	0.32
total	2.71	3.00	2.86
μ_0			
random	1.38	1.62	1.51
system	0.33	0.30	0.32
total	1.42	1.65	1.54
FK6			
random	0.56	0.52	0.54
ratio of HIPPARCOS to FK6 errors	1.3	1.1	1.2

Table 8. Error budget for the proper motions of the 732 RSup stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
cosmic (in μ)	1.80	1.80	1.80
total	1.94	1.89	1.92
RSup			
random	2.68	2.98	2.84
system	0.35	0.28	0.32
total	2.71	3.00	2.86
μ_0			
random	1.38	1.62	1.51
system	0.33	0.30	0.32
cosmic (due to x)	0.39	0.33	0.36
total	1.47	1.68	1.58
FK6			
random	0.98	1.07	1.03
ratio of HIPPARCOS to FK6 errors	2.0	1.8	1.9

Table 7. Error budget for the proper motions of the 403 astrometrically excellent RSup stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.60	0.67
RSup			
random	2.79	3.09	2.94
system	0.34	0.28	0.31
total	2.81	3.10	2.96
μ_0			
random	1.42	1.69	1.56
system	0.34	0.30	0.32
total	1.46	1.72	1.59
FK6			
random	0.57	0.53	0.55
ratio of HIPPARCOS to FK6 errors	1.3	1.1	1.2

Table 9. Error budget for the proper motions of the 732 RSup stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.73	0.59	0.66
RSup			
random	2.68	2.98	2.84
system	0.35	0.28	0.32
cosmic (in μ)	1.80	1.80	1.80
total	3.25	3.50	3.38
μ_0			
random	1.38	1.62	1.51
system	0.33	0.30	0.32
cosmic (due to x)	0.39	0.33	0.36
cosmic (in μ)	1.80	1.80	1.80
total	2.32	2.46	2.40
FK6			
random	0.67	0.57	0.62
ratio of HIPPARCOS to FK6 errors	1.1	1.0	1.1

Table 10. Error budget for the proper motions of the 1805 FX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.98	0.78	0.89
FK5			
random	2.90	3.08	2.99
system	0.53	0.41	0.47
total	2.95	3.11	3.03
μ_0			
random	1.31	1.36	1.34
system	0.26	0.20	0.23
total	1.34	1.38	1.36
FK6			
random	0.68	0.63	0.65
ratio of HIPPARCOS to FK6 errors			
	1.4	1.2	1.4

Table 12. Error budget for the proper motions of the 1805 FX stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.98	0.78	0.89
cosmic (in μ)	1.49	1.49	1.49
total	1.78	1.68	1.74
FK5			
random	2.90	3.08	2.99
system	0.53	0.41	0.47
total	2.95	3.11	3.03
μ_0			
random	1.31	1.36	1.34
system	0.26	0.20	0.23
cosmic (due to x)	0.18	0.17	0.18
total	1.35	1.39	1.37
FK6			
random	0.93	0.94	0.94
ratio of HIPPARCOS to FK6 errors			
	1.9	1.8	1.9

Table 11. Error budget for the proper motions of the 1154 astrometrically excellent FX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.98	0.78	0.88
FK5			
random	2.90	3.08	3.00
system	0.53	0.41	0.47
total	2.95	3.11	3.03
μ_0			
random	1.31	1.37	1.34
system	0.26	0.20	0.23
total	1.34	1.38	1.36
FK6			
random	0.68	0.63	0.65
ratio of HIPPARCOS to FK6 errors			
	1.4	1.2	1.4

Table 13. Error budget for the proper motions of the 1805 FX stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.98	0.78	0.89
FK5			
random	2.90	3.08	2.99
system	0.53	0.41	0.47
cosmic (in μ)	1.49	1.49	1.49
total	3.31	3.45	3.38
μ_0			
random	1.31	1.36	1.34
system	0.26	0.20	0.23
cosmic (due to x)	0.18	0.17	0.18
cosmic (in μ)	1.49	1.49	1.49
total	2.01	2.03	2.02
FK6			
random	0.82	0.70	0.76
ratio of HIPPARCOS to FK6 errors			
	1.2	1.1	1.2

Table 14. Error budget for the proper motions of all the 3272 stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.88	0.70	0.79
FK5/RSup			
random	2.62	2.84	2.73
system	0.46	0.36	0.41
total	2.66	2.86	2.76
μ_0			
random	1.26	1.37	1.32
system	0.28	0.24	0.26
total	1.29	1.39	1.34
FK6			
random	0.62	0.57	0.59
ratio of HIPPARCOS to FK6 errors	1.4	1.2	1.3

Table 16. Error budget for the proper motions of all the 3272 stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.88	0.70	0.79
cosmic (in μ)	1.65	1.65	1.65
total	1.87	1.79	1.83
FK5/RSup			
random	2.62	2.84	2.73
system	0.46	0.36	0.41
total	2.66	2.86	2.76
μ_0			
random	1.26	1.37	1.32
system	0.28	0.24	0.26
cosmic (due to x)	0.27	0.24	0.26
total	1.32	1.41	1.37
FK6			
random	0.91	0.95	0.93
ratio of HIPPARCOS to FK6 errors	2.1	1.9	2.0

Table 15. Error budget for the proper motions of all the 1928 astrometrically excellent stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.89	0.71	0.80
FK5/RSup			
random	2.69	2.91	2.80
system	0.46	0.36	0.42
total	2.73	2.93	2.83
μ_0			
random	1.28	1.40	1.34
system	0.28	0.24	0.26
total	1.31	1.42	1.36
FK6			
random	0.63	0.58	0.60
ratio of HIPPARCOS to FK6 errors	1.4	1.2	1.3

Table 17. Error budget for the proper motions of all the 3272 stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the proper motions (units: mas/year)			
mean error of:	μ_{α^*}	μ_{δ}	rms average
HIPPARCOS			
random	0.88	0.70	0.79
FK5/RSup			
random	2.62	2.84	2.73
system	0.46	0.36	0.41
cosmic (in μ)	1.65	1.65	1.65
total	3.13	3.30	3.22
μ_0			
random	1.26	1.37	1.32
system	0.28	0.24	0.26
cosmic (due to x)	0.27	0.24	0.26
cosmic (in μ)	1.65	1.65	1.65
total	2.11	2.17	2.14
FK6			
random	0.75	0.64	0.70
ratio of HIPPARCOS to FK6 errors	1.2	1.1	1.1

Table 18. Error budget for the positions of the 735 BX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.59	0.48	0.54
FK5			
random	31.71	42.25	37.35
system	8.66	9.43	9.05
total	32.87	43.29	38.43
FK6			
random	0.59	0.48	0.54
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.26	91.25
FK5	55.85	49.08	52.46
FK6	91.22	91.26	91.24

Table 20. Error budget for the positions of the 735 BX stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.59	0.48	0.54
cosmic	10.98	10.98	10.98
total	11.00	10.99	10.99
FK5			
random	31.71	42.25	37.35
system	8.66	9.43	9.05
total	32.87	43.29	38.43
FK6			
random	10.16	10.53	10.35
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.26	91.25
FK5	55.85	49.08	52.46
FK6	87.02	88.39	87.70

Table 19. Error budget for the positions of the 371 astrometrically excellent BX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.60	0.48	0.54
FK5			
random	32.49	42.77	37.98
system	8.66	9.51	9.10
total	33.62	43.81	39.05
FK6			
random	0.60	0.48	0.54
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.25
FK5	55.99	49.34	52.67
FK6	91.23	91.26	91.24

Table 21. Error budget for the positions of the 735 BX stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.59	0.48	0.54
FK5			
random	31.71	42.25	37.35
system	8.66	9.43	9.05
cosmic	10.98	10.98	10.98
total	34.65	44.66	39.97
FK6			
random	0.59	0.48	0.54
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.26	91.25
FK5	55.85	49.08	52.46
FK6	91.24	91.26	91.25

Table 22. Error budget for the positions of the 732 RSup stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.60	0.48	0.54
RSup			
random	36.38	50.46	43.99
system	8.56	9.36	8.96
total	37.37	51.32	44.89
FK6			
random	0.60	0.48	0.54
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.26
RSup	62.38	57.70	60.04
FK6	91.23	91.27	91.25

Table 24. Error budget for the positions of the 732 RSup stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.60	0.48	0.54
cosmic	10.68	10.68	10.68
total	10.70	10.69	10.69
RSup			
random	36.38	50.46	43.99
system	8.56	9.36	8.96
total	37.37	51.32	44.89
FK6			
random	10.04	10.36	10.20
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.26
RSup	62.38	57.70	60.04
FK6	88.55	89.63	89.09

Table 23. Error budget for the positions of the 403 astrometrically excellent RSup stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.60	0.49	0.55
RSup			
random	36.84	51.52	44.79
system	8.42	9.13	8.78
total	37.79	52.33	45.64
FK6			
random	0.60	0.49	0.55
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.26	91.25
RSup	62.92	58.46	60.69
FK6	91.23	91.26	91.25

Table 25. Error budget for the positions of the 732 RSup stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.60	0.48	0.54
RSup			
random	36.38	50.46	43.99
system	8.56	9.36	8.96
cosmic	10.68	10.68	10.68
total	38.87	52.42	46.15
FK6			
random	0.60	0.48	0.54
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.26
RSup	62.38	57.70	60.04
FK6	91.24	91.27	91.26

Table 26. Error budget for the positions of the 1805 FX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.79	0.63	0.71
FK5			
random	60.68	68.21	64.55
system	11.76	9.77	10.81
total	61.80	68.90	65.45
FK6			
random	0.79	0.63	0.71
Central epoch $T_c - 1900$			
HIPPARCOS	91.25	91.27	91.26
FK5	41.68	38.58	40.13
FK6	91.24	91.26	91.25

Table 28. Error budget for the positions of the 1805 FX stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.79	0.63	0.71
cosmic	8.85	8.85	8.85
total	8.89	8.87	8.88
FK5			
random	60.68	68.21	64.55
system	11.76	9.77	10.81
total	61.80	68.90	65.45
FK6			
random	8.77	8.79	8.78
Central epoch $T_c - 1900$			
HIPPARCOS	91.25	91.27	91.26
FK5	41.68	38.58	40.13
FK6	90.00	90.22	90.11

Table 27. Error budget for the positions of the 1154 astrometrically excellent FX stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.78	0.63	0.71
FK5			
random	60.79	68.40	64.70
system	11.71	9.72	10.76
total	61.90	69.09	65.59
FK6			
random	0.78	0.62	0.71
Central epoch $T_c - 1900$			
HIPPARCOS	91.25	91.27	91.26
FK5	41.59	38.55	40.07
FK6	91.24	91.26	91.25

Table 29. Error budget for the positions of the 1805 FX stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.79	0.63	0.71
FK5			
random	60.68	68.21	64.55
system	11.76	9.77	10.81
cosmic	8.85	8.85	8.85
total	62.43	69.47	66.05
FK6			
random	0.79	0.63	0.71
Central epoch $T_c - 1900$			
HIPPARCOS	91.25	91.27	91.26
FK5	41.68	38.58	40.13
FK6	91.25	91.27	91.26

Table 30. Error budget for the positions of all the 3272 stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.71	0.57	0.64
FK5/RSup			
random	50.53	59.47	55.18
system	10.46	9.60	10.04
total	51.60	60.24	56.09
FK6			
random	0.71	0.56	0.64
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.26
FK5/RSup	49.49	45.21	47.35
FK6	91.23	91.27	91.25

Table 32. Error budget for the positions of all the 3272 stars in Part III of the FK6 in the long-term prediction mode (LTP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.71	0.57	0.64
cosmic	9.79	9.79	9.79
total	9.82	9.81	9.81
FK5/RSup			
random	50.53	59.47	55.18
system	10.46	9.60	10.04
total	51.60	60.24	56.09
FK6			
random	9.39	9.57	9.48
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.26
FK5/RSup	49.49	45.21	47.35
FK6	89.00	89.68	89.34

Table 31. Error budget for the positions of all the 1928 astrometrically excellent stars in Part III of the FK6 in the single-star mode (SI mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.72	0.57	0.65
FK5/RSup			
random	51.95	60.89	56.59
system	10.55	9.56	10.07
total	53.01	61.63	57.48
FK6			
random	0.71	0.57	0.65
Central epoch $T_c - 1900$			
HIPPARCOS	91.25	91.27	91.26
FK5/RSup	48.82	44.79	46.80
FK6	91.24	91.26	91.25

Table 33. Error budget for the positions of all the 3272 stars in Part III of the FK6 in the short-term prediction mode (STP mode)

rms average of the mean errors of the positions at the central epoch T_c of the catalogue (units: mas)			
mean error of:	α_*	δ	rms average
HIPPARCOS			
random	0.71	0.57	0.64
FK5/RSup			
random	50.53	59.47	55.18
system	10.46	9.60	10.04
cosmic	9.79	9.79	9.79
total	52.52	61.03	56.94
FK6			
random	0.71	0.57	0.64
Central epoch $T_c - 1900$			
HIPPARCOS	91.24	91.27	91.26
FK5/RSup	49.49	45.21	47.35
FK6	91.24	91.27	91.26

While Part I of the FK6 gave in the individual notes detailed information on the component(s) of a star under consideration, the user of Part III has to inspect the CCDM, WDS, or TYCHO2 for obtaining this information. Similarly, if an indication on binarity is given in the tabular notes, the reference to the original paper should be taken from the source indicated for the corresponding column.

12. Machine-readable versions of the FK6(III)

Machine-readable versions of Part III of the FK6 can be obtained on-line from the webserver or the ftp server of the Astronomisches Rechen-Institut at Heidelberg, or from the catalogue service of the Centre des Données (CDS) at Strasbourg. More information on these machine-readable versions of the FK6 is given on the Web page with the URL:

<http://www.ari.uni-heidelberg.de/fk6>

The machine-readable versions of the FK6(III) give much more data than the printed version. For example, the machine-readable version includes α in degrees, the correlation coefficients between the astrometric data, cross identifications with other catalogues etc. For Part III of the FK6, the complete data for the solutions in the LTP mode and STP mode of the FK6, and for HIP, FK5, and μ_0 are given in the machine-readable files only. Furthermore, the machine-readable files give also the full set of the tabular notes for all the stars of the FK6(III). The *printed* version of the tabular notes does not contain those 2109 ‘harmless’ stars for which $F1 < 4$ percent and $F2 < 3.00$ and for which all the other columns of their tabular note are empty. Some of the machine-readable versions of the FK6 have essentially the same format as the machine-readable version of the HIPPARCOS Catalogue. This should simplify the use of the FK6 for those who have already computer programs with reading formats appropriate for HIPPARCOS data. The detailed descriptions and explanations for the machine-readable versions of the FK6 are given on the corresponding Web pages.

We provide also ‘combined’ machine-readable files for all the fundamental stars with direct solutions, i.e. for the sample FK6(I)+FK6(III). This combined sample contains 4150 stars. In the FK6(I)+FK6(III) sample, 2268 stars are classified as ‘astrometrically excellent stars’.

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On the other hand, the FK6 is also based on the dedicated work of many hundreds of astronomers who have observed the positions of stars with ground-based instruments and have reduced these data. Their valuable work, spanning together more than two centuries, is gratefully acknowledged.

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Description of Part III of the printed FK6 Catalogue

Field 1: FK6 number

The FK6 number of the star is identical with its FK5 number (for the FK5 stars) or its FK4Sup number (for the RSup stars). The numbering system in the fundamental catalogues is historically grown and not explained here.

Field 2: HIP number

Number of the star in the HIPPARCOS Catalogue (ESA 1997). This numbering follows closely ordering by right ascension α for the epoch J1991.25 (not J2000.0 !).

Field 3: Flag for the subsample of FK6(III) stars

BX = star from the bright extension of the FK5
 FX = star from the faint extension of the FK5
 RS = star from the RSup (Schwan et al. 1993).

Field 4: Name

Some star names are given for an easier identification of the object by a reader of the catalogue.

Fields 5 – 14: The Fields 5 – 14 contain the FK6 results in the single-star (SI) mode.

Field 5: α 2000 (SI mode)

The right ascension α of the star at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. α is given in the printed catalogue in the conventional sexagesimal units of hours, minutes of time, and seconds of time. The machine-readable version of the FK6 gives α also in degrees and decimal fractions of degrees. Below we use the notation $\alpha_* = \alpha \cos \delta$, as it is done in the HIPPARCOS Catalogue.

Field 6: δ 2000 (SI mode)

The declination δ of the star at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. δ is given in the printed catalogue in the conventional sexagesimal units of degrees, minutes of arc, and seconds of arc. The machine-readable version of the FK6 gives δ also in degrees and decimal fractions of degrees.

Field 7: μ_{α_*} 2000 (SI mode)

The proper-motion component μ_{α_*} of the star in α_* at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. Instead of the conventional way of presenting μ_{α} , the catalogue gives $\mu_{\alpha_*} = \mu_{\alpha} \cos \delta$ in milliarcseconds (mas)/year.

Field 8: μ_{δ} 2000 (SI mode)

The proper-motion component μ_{δ} of the star in δ at epoch and equinox J2000.0 in the ICRS/HIPPARCOS system for the SI mode of the FK6. Units: mas/year.

Field 9: T_{α} (SI mode)

Central epoch T_{α} in α of the star in the SI mode. The catalogue gives $T_{\alpha} - 1900$ in order to save printing space. Units: years.

Field 10: ε_{α_*} (SI mode)

Mean error ε_{α_*} of α_* of the star at the central epoch T_{α} (given in Field 9) in the SI mode. Units: mas.

Field 11: $\varepsilon_{\mu_{\alpha_*}}$ (SI mode)

Mean error $\varepsilon_{\mu_{\alpha_*}}$ of μ_{α_*} of the star in the SI mode. Units: mas/year.

Field 12: T_{δ} (SI mode)

Central epoch T_{δ} in δ of the star in the SI mode. The catalogue gives $T_{\delta} - 1900$ in order to save printing space. Units: years.

Field 13: ε_δ (SI mode)

Mean error ε_δ of δ of the star at the central epoch T_δ (given in Field 12) in the SI mode. Units: mas.

Field 14: $\varepsilon_{\mu\delta}$ (SI mode)

Mean error $\varepsilon_{\mu\delta}$ of μ_δ of the star in the SI mode. Units: mas/year.

Field 15: p_{res}

‘Resulting’ parallax p_{res} of the star (see Section 9). This is either the HIPPARCOS parallax or a photometric/spectroscopic parallax. Units: mas.

Field 16: $\varepsilon_{p,res}$

Mean error $\varepsilon_{p,res}$ of p_{res} . Units: mas.

Field 17: $K_{p,res}$

Flag for the source of p_{res} :

H = HIPPARCOS Catalogue (ESA 1997)

P = Newly determined photometric/spectroscopic parallax

Field 18: v_{rad}

Radial velocity v_{rad} of the star, used in calculating the foreshortening effect. Units: km/s.

Field 19: m_V

Apparent visual magnitude m_V of the star, taken from the HIPPARCOS Catalogue.

Field 20: K_m

Flag for the variability of the brightness of the star, taken from the HIPPARCOS Catalogue (HIP Field H6):

blank = star not variable

1 = star variable at the level of < 0.06 mag

2 = star variable at the level of $0.06 - 0.6$ mag

3 = star variable at the level of > 0.6 mag

Field 21: K_{bin}

Flag for the double-star nature of the object:

$$K_{bin} = d_1 d_2 = 10 d_1 + d_2$$

First digit d_1 :

The first digit d_1 describes the information on the double-star nature based on the proper-motion differences $\Delta\mu$. The method and the meaning of the corresponding test parameters F are explained in Wielen et al. (1999a).

1 = all values of $F(F_{FH}, F_{0H}, F_{0(GC)H}, F_{0F}, F_{TH})$ are below 2.49

2 = at least one value of $F(F_{FH}, F_{0H}, F_{0(GC)H}, F_{0F}, F_{TH})$ is larger than 3.44

3 = all other (intermediate) cases

Second digit d_2 :

The second digit d_2 describes the information on the double-star nature based on various other methods. If the data indicate various kinds of binarity, the ‘astrometrically most disturbing’ effect is given.

1 = single star indicated

2 = the star is a member of a visual binary (gravitationally bound system),
or the object is resolved by speckle interferometry

3 = the object is suspected to be a visual binary (mainly due to HIP)

4 = the star has at least one optical companion with a separation of $\rho < 60''$

5 = the star has at least one optical companion, but all companions have a separation of $\rho \geq 60''$

6 = astrometric binary (mainly the non-standard solutions O, G, V, X of HIP)

- 7 = spectroscopic binary with a known orbit,
or the star is an eclipsing binary
- 8 = the radial velocity of the star is variable (indicating a spectroscopic binary),
or the object shows a composite spectrum (indicating a double star)
- 9 = the radial velocity of the star may be variable (possible indication for a spectroscopic binary),
or the object may show a composite spectrum (possibly indicating a double star),
or other weak indications of binarity,
or the star has a (suspected) planetary companion

Field 22: $K_{\Delta\mu}$

Flag for the double-star nature of the object based on differences between various proper motions (Wielen et al. 1999a):

- 1 = single-star candidate
- 2 = $\Delta\mu$ binary
- blank = uncertain (between 1 and 2),
or the binary nature which is indicated by other data does not allow to classify the object as a single-star candidate

Field 23: K_{ae}

Flag for ‘astrometrically excellent stars’ (see Section 3):

- 3 = astrometrically excellent star with rank ***
- 2 = astrometrically excellent star with rank **
- 1 = astrometrically excellent star with rank *
- blank = star not classified as astrometrically excellent

Fields 24–33 : General remarks:

In contrast to Part I of the FK6, the *printed* version of Part III contains for the other modes of the FK6 the proper motions and their mean errors only. The positions, central epochs, and parallaxes derived for these modes are given in the machine-readable version of the FK6(III). The field ‘FK5’ is an abbreviation; it should be read in detail as ‘FK5 or RSup’, since for the RSup stars, the corresponding data had to be taken from the RSup Catalogue.

In order to save printing space, we give for the other modes of the FK6, i.e. the long-term prediction (LTP) and the short-term prediction (STP), and for HIP (HIPPARCOS Catalogue) and FK5 (or RSup), not the full quantities, but only their differences, Δ = other mode – SI mode, with respect to the single-star (SI) mode of the FK6. These differences have to be added to the results of the SI mode of the FK6 (Fields 7 and 8) in order to obtain the results of the other modes. The data given for the FK5 (or RSup) and for μ_0 are given in the ICRS/HIPPARCOS system. Since the quantities for the SI mode and all the differences Δ refer to the epoch and equinox J2000.0 in the ICRS/HIPPARCOS system, this is then also the case for the full results of the other modes.

The differences Δ are given for numerical and printing convenience only. Therefore, the mean errors given in the FK6 Catalogue are not the errors of these differences, but those of the full quantities in the other modes. The mean errors given for the FK5 (or RSup) and for μ_0 include the mean errors of the systematic differences between the FK5 system and the HIPPARCOS system.

Fields 24–28: $\Delta\mu_{\alpha^*}$ (LTP, STP, HIP, FK5, μ_0)

Difference $\Delta\mu_{\alpha^*}$ between μ_{α^*} in the other solutions (LTP, STP, HIP, FK5, μ_0) and μ_{α^*} in the SI mode at epoch and equinox J2000.0. Units: mas/year.

Fields 29–33: $\Delta\mu_{\delta}$ (LTP, STP, HIP, FK5, μ_0)

Difference $\Delta\mu_{\delta}$ between μ_{δ} in the other solutions (LTP, STP, HIP, FK5, μ_0) and μ_{δ} in the SI mode at epoch and equinox J2000.0. Units: mas/year.

Fields 34–38: $\varepsilon_{\mu_{\alpha^*}}$ (LTP, STP, HIP, FK5, μ_0)

Mean error $\varepsilon_{\mu_{\alpha^*}}$ of μ_{α^*} of the star in the solutions LTP, STP, HIP, FK5, μ_0 . Units: mas/year.

Fields 39–43: $\varepsilon_{\mu_{\delta}}$ (LTP, STP, HIP, FK5, μ_0)

Mean error $\varepsilon_{\mu_{\delta}}$ of μ_{δ} of the star in the solutions LTP, STP, HIP, FK5, μ_0 . Units: mas/year.

Field 44: F_{FH}

F parameter based on the difference $\Delta\mu_{FH} = \mu_F - \mu_H$ between the proper motions given by the FK5 (or RSup) and by HIPPARCOS.

Field 45: F_{0H}

F parameter based on the difference $\Delta\mu_{0H} = \mu_0 - \mu_H$ between the proper motion μ_0 (based on the stellar positions in the FK5 (or RSup) and in the HIPPARCOS Catalogue) and the proper motion μ_H given by HIPPARCOS.

Field 46: $F_{0(GC)H}$

F parameter based on the difference $\Delta\mu_{0(GC)H} = \mu_{0(GC)} - \mu_H$ between the proper motion μ_0 (based on the stellar positions in the GC (Boss et al. 1937) and in the HIPPARCOS Catalogue) and the proper motion μ_H given by HIPPARCOS.

Field 47: F_{0F}

F parameter based on the difference $\Delta\mu_{0F} = \mu_0 - \mu_F$ between the proper motion μ_0 (based on the stellar positions in the FK5 (or RSup) and in the HIPPARCOS Catalogue) and the proper motion μ_F given by the FK5 (or RSup).

Field 48: F_{TH}

F parameter based on the difference $\Delta\mu_{TH} = \mu_T - \mu_H$ between the proper motion μ_T given in TYCHO2 Catalogue (Hoeg et al. 2000) and the proper motion μ_H given by HIPPARCOS.

Field 49: Indicator of a tabular note and number of an individual note

The presence of a tabular note in the printed version of the FK6(III) is indicated by a 't' in Field 49. The tabular notes are explained on pages 293-294 and are listed on pages 295-306. The individual notes are numbered consecutively from 3001) to 3024) and are listed on pages 307-308.

FK6 Catalogue

Part III

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3928	43	BX		0 0 30.888 284	+ 59 33 34.847 32	- 80.84	- 23.88
4001	60	FX		0 0 42.104 182	- 64 27 56.878 66	+ 1.94	+ 10.50
3929	106	RS		0 1 19.251 507	+ 49 58 53.610 29	+ 13.22	- 10.94
3930	128	RS		0 1 39.461 850	+ 73 36 42.646 26	+ 76.60	- 12.54
3931	150	RS		0 1 55.273 385	- 37 13 47.834 22	- 19.59	- 45.27
4002	179	FX		0 2 16.683 440	- 13 24 26.772 73	+ 260.96	+ 32.38
4003	184	FX		0 2 21.543 807	+ 11 0 22.449 55	- 4.00	- 43.16
3933	194	RS	32 Psc	0 2 29.701 948	+ 8 29 7.668 30	- 94.11	- 47.36
4004	237	FX		0 2 57.432 525	- 39 31 38.678 00	+ 60.30	- 36.18
4005	249	FX		0 3 5.813 948	+ 31 52 12.297 60	+ 9.98	- 8.45
4006	283	FX		0 3 30.508 977	+ 12 21 24.557 73	- 13.90	- 3.04
4007	294	FX		0 3 40.103 939	+ 3 54 25.108 67	- 23.29	- 12.36
4008	332	FX		0 4 14.648 408	- 34 24 52.976 21	+ 68.23	- 25.48
2001	355	RS	3 Cet	0 4 30.118 541	- 10 30 34.282 65	- 6.42	- 11.73
4010	453	FX		0 5 25.465 143	- 3 51 6.022 26	- 6.04	- 31.78
2004	476	RS	86 Peg	0 5 41.961 032	+ 13 23 46.555 56	+ 42.12	- 6.93
2005	531	RS	10 Cas	0 6 26.539 632	+ 64 11 46.206 51	+ 9.54	- 0.05
4013	568	FX		0 6 53.385 425	- 55 9 38.987 27	+ 16.39	- 13.19
4014	599	FX		0 7 15.376 926	- 41 53 22.445 20	- 62.59	+ 17.72
4015	620	FX		0 7 36.970 129	- 86 2 19.531 35	+ 23.09	+ 7.16
4016	630	FX		0 7 40.456 176	+ 39 2 5.188 84	- 67.66	- 56.84
4017	709	FX		0 8 48.496 260	- 47 3 38.784 44	+ 99.39	- 45.98
4018	720	FX		0 8 53.644 005	- 22 10 46.258 81	- 17.63	- 5.65
4019	759	FX		0 9 19.444 205	+ 17 32 2.119 84	+ 4.20	- 130.23
2007	798	RS		0 9 52.117 202	- 62 17 48.462 38	+ 17.16	+ 17.18
3971	814	BX	γ^3 Oct	0 10 2.174 691	- 82 13 26.572 30	- 21.88	- 20.75
2008	873	BX		0 10 42.833 628	- 12 34 47.628 31	+ 147.66	- 38.23
4021	909	FX		0 11 15.672 657	+ 7 56 53.308 93	- 10.96	- 7.99
4022	938	FX		0 11 36.694 560	- 80 10 25.440 79	- 10.38	+ 13.01
2009	966	RS		0 11 56.056 711	- 42 10 19.721 33	- 87.73	- 45.30
4023	1018	FX		0 12 40.336 663	- 1 13 37.899 22	+ 78.71	+ 0.05
4024	1066	FX		0 13 13.807 024	- 37 49 22.348 91	- 8.74	- 3.93
3972	1074	RS		0 13 19.621 988	- 84 59 38.322 99	+ 10.99	+ 17.31
2010	1086	BX	23 And	0 13 30.839 849	+ 41 2 7.332 38	- 123.43	- 146.73
2011	1101	RS		0 13 45.088 149	- 48 41 3.079 63	- 16.96	- 23.22
2012	1123	RS		0 14 2.281 057	+ 33 12 21.742 25	- 7.79	- 18.64
4025	1131	FX		0 14 5.975 864	+ 73 23 27.353 31	- 3.58	+ 6.17
2013	1140	RS		0 14 14.707 452	- 55 4 10.781 44	- 2.98	- 29.17
4026	1231	FX		0 15 16.396 753	- 16 45 22.496 64	+ 32.36	- 22.19
4027	1272	FX		0 15 57.301 705	+ 4 15 4.014 70	+ 19.91	- 14.01
2014	1288	RS		0 16 8.866 726	- 31 26 47.023 22	+ 118.62	- 27.64
4028	1315	FX		0 16 32.464 724	- 32 45 37.536 65	+ 34.11	- 9.52
4029	1325	FX		0 16 39.422 478	+ 1 51 2.189 93	+ 3.85	+ 12.78
4030	1345	FX		0 16 50.807 563	- 49 37 39.865 70	+ 33.58	- 18.45
4031	1353	FX		0 16 54.999 480	+ 23 15 22.302 84	+ 42.70	- 15.31
2016	1372	RS		0 17 9.043 827	+ 47 56 50.658 56	+ 4.18	- 4.03
2017	1421	RS		0 17 47.698 260	+ 1 41 19.420 83	+ 90.73	+ 9.53
4032	1428	FX		0 17 50.378 257	+ 59 3 27.312 19	+ 1.85	- 1.17
4033	1439	FX		0 17 56.305 932	+ 12 46 17.279 34	- 7.63	- 19.35
4035	1556	FX		0 19 22.457 221	- 14 49 58.231 45	- 21.73	- 21.26

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3928	91.21	0.42	0.44	91.39	0.44	0.45	7.63	0.60	H	- 32.7	6.18		21	2	
4001	91.28	0.63	0.66	91.33	0.60	0.60	6.18	0.83	H		8.34		11	1	3
3929	91.10	0.41	0.43	91.29	0.48	0.44	4.50	0.73	H	- 20.1	6.22		11	1	3
3930	91.46	0.49	0.47	91.41	0.51	0.46	15.20	0.63	H	- 8.	6.50		21	2	
3931	91.48	0.60	0.61	91.59	0.39	0.47	7.50	0.84	H		7.04		21	2	
4002	91.28	0.73	0.80	91.65	0.41	0.42	14.91	0.90	H		6.90		35		
4003	91.43	1.01	0.65	91.31	0.64	0.58	29.75	1.21	H		8.48		31		
3933	91.20	0.67	0.43	91.28	0.45	0.35	26.53	0.77	H	+ 9.2	5.70		19	1	1
4004	90.84	0.67	0.65	91.49	0.59	0.61	6.32	1.32	H		9.00		11	1	3
4005	90.98	0.83	0.67	91.08	0.59	0.55	13.24	1.03	H		8.75		11	1	3
4006	91.69	0.91	0.82	91.28	0.51	0.55	4.99	0.99	H	+ 6.	7.45	1	11	1	3
4007	91.47	1.05	0.60	91.25	0.59	0.50	8.63	1.11	H		7.89		11	1	3
4008	91.56	0.63	0.72	91.41	0.51	0.61	6.58	0.94	H		8.41		31		
2001	91.22	0.70	0.78	91.64	0.43	0.44	1.79	0.41	P	- 42.2	4.99	1	19	1	1
4010	91.70	0.88	0.65	91.47	0.47	0.45	4.65	0.92	H		7.59		11	1	3
2004	91.29	0.62	0.48	91.30	0.45	0.42	8.75	0.80	H	+ 1.7	5.55		11	1	3
2005	91.04	0.40	0.42	91.20	0.42	0.40	3.32	0.54	H	- 0.4	5.57		19	1	1
4013	91.20	0.75	0.78	91.30	0.80	0.87	2.00	0.46	P		8.79		11	1	3
4014	90.98	0.62	0.64	91.37	0.55	0.67	17.18	1.00	H		8.23		25	2	
4015	91.26	0.45	0.51	91.21	0.49	0.45	2.53	0.57	H		7.39		31		
4016	90.73	0.63	0.63	90.81	0.45	0.56	9.58	0.89	H		8.01		11	1	3
4017	91.24	0.71	0.68	91.25	0.56	0.64	8.58	0.86	H		7.81		11	1	3
4018	91.56	0.88	0.89	91.34	0.48	0.50	3.04	0.70	P	- 0.5	7.13	2	11	1	3
4019	91.25	0.61	0.48	91.41	0.51	0.46	19.28	0.79	H		7.07		11	1	3
2007	91.35	0.42	0.46	91.21	0.45	0.52	7.37	0.57	H	+ 23.0	6.34		11	1	3
3971	91.24	0.42	0.42	91.30	0.43	0.40	13.45	0.50	H	+ 15.0	5.29		11	1	3
2008	91.19	0.65	0.53	91.46	0.42	0.37	15.35	0.74	H	+ 8.3	5.84		31		
4021	91.17	0.85	0.55	91.21	0.57	0.51	4.21	1.02	H		7.69		21	2	
4022	91.11	0.49	0.56	91.25	0.53	0.51	4.78	0.59	H		7.21		31		
2009	91.00	0.51	0.55	91.25	0.50	0.66	7.97	0.79	H		6.53		11	1	3
4023	91.41	0.82	0.61	91.36	0.50	0.46	4.68	1.06	H		7.22		11	1	3
4024	91.48	0.61	0.55	91.49	0.50	0.51	3.38	0.91	H	+ 36.7	7.21		11	1	3
3972	91.20	0.40	0.48	91.24	0.40	0.40	4.00	0.49	H	+ 4.0	5.78	1	31		
2010	91.11	0.45	0.42	90.73	0.34	0.43	28.57	0.74	H	- 28.8	5.71	1	11	1	3
2011	91.52	0.50	0.55	91.47	0.59	0.74	9.78	0.91	H		6.97		11	1	3
2012	91.41	0.62	0.70	91.02	0.37	0.39	11.13	0.73	H	+ 0.9	6.22		11	1	3
4025	91.41	0.67	0.59	91.17	0.68	0.64	1.26	0.84	H		8.25	2	13		
2013	91.16	0.45	0.50	91.22	0.50	0.62	21.62	0.68	H		6.66		11	1	3
4026	91.10	0.82	0.96	91.31	0.56	0.58	7.89	1.03	H	+ 14.	7.67		11	1	3
4027	91.65	0.88	0.46	91.50	0.46	0.38	7.32	0.94	H		7.13		15	1	3
2014	91.44	0.72	0.66	91.54	0.48	0.44	7.64	0.83	H	+ 26.4	5.66		35		
4028	91.44	0.79	0.83	91.54	0.59	0.60	1.69	0.93	H		7.34		11	1	3
4029	91.73	0.93	0.47	91.47	0.50	0.40	3.50	0.81	P	- 6.3	6.98	2	33		
4030	91.39	0.72	0.78	91.10	0.88	0.82	7.36	1.32	H		8.88		11	1	3
4031	91.07	0.68	0.52	91.12	0.55	0.48	7.17	0.84	H		6.95		31		
2016	91.50	0.42	0.39	90.83	0.33	0.42	3.42	0.65	H	- 9.2	5.86		19	1	1
2017	91.74	0.83	0.70	91.34	0.47	0.48	9.89	0.98	H	- 9.4	6.19		11	1	3
4032	91.17	0.50	0.54	91.24	0.56	0.65	1.50	0.34	P	- 11.2	7.71		11	1	3
4033	91.32	0.67	0.47	91.37	0.51	0.39	7.14	0.82	H	+ 2.6	6.54		11	1	3
4035	91.32	0.95	0.94	91.33	0.77	0.68	4.73	1.34	H		9.08		33		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3928	- 0.16	+ 0.19	+ 0.24	+ 3.71	- 1.99	+ 0.55	- 0.13	- 0.19	+ 0.85	+ 0.82
4001	+ 0.61	- 0.06	- 0.19	+ 1.66	+ 1.83	- 0.90	+ 0.09	+ 0.24	- 10.42	- 0.28
3929	- 0.02	+ 0.03	+ 0.07	+ 2.20	- 0.50	+ 0.92	- 0.12	- 0.25	+ 3.90	+ 1.49
3930	+ 2.11	- 0.89	- 1.06	+ 5.08	+ 1.57	+ 0.40	+ 0.15	+ 0.18	+ 3.57	- 0.42
3931	+ 0.48	- 0.18	- 0.29	- 4.22	+ 2.87	- 1.86	+ 0.33	+ 0.52	- 0.02	- 4.09
4002	- 0.57	+ 0.17	+ 0.25	+ 2.73	- 1.61	+ 2.26	- 0.17	- 0.25	+ 1.08	+ 3.72
4003	- 0.82	+ 1.10	+ 1.35	+ 2.18	- 1.46	+ 0.90	- 0.08	- 0.05	- 4.88	+ 1.94
3933	- 0.42	+ 0.51	+ 0.56	- 1.06	- 0.20	+ 0.46	- 0.13	- 0.14	+ 2.29	- 0.14
4004	- 0.12	- 0.04	- 0.08	- 4.35	+ 1.35	+ 0.42	- 0.51	- 0.82	+ 1.30	+ 0.55
4005	+ 0.10	- 0.06	- 0.08	+ 1.26	- 0.02	- 0.29	+ 0.10	+ 0.13	- 0.24	- 0.42
4006	+ 0.55	- 0.48	- 1.15	- 0.66	+ 1.62	+ 0.43	- 0.18	- 0.42	- 1.29	+ 1.29
4007	+ 0.01	- 0.15	- 0.26	+ 0.70	- 0.09	+ 0.48	- 0.38	- 0.51	+ 2.10	+ 0.43
4008	+ 1.08	- 0.32	- 0.68	+ 6.54	+ 0.48	+ 0.09	- 0.03	- 0.08	+ 1.08	- 0.12
2001	- 0.02	- 0.01	- 0.07	+ 0.06	- 0.08	+ 0.31	- 0.04	- 0.15	+ 1.21	+ 1.02
4010	- 0.07	+ 0.09	+ 0.19	- 2.59	+ 0.40	+ 0.31	- 0.15	- 0.21	- 1.06	+ 0.73
2004	- 0.14	+ 0.35	+ 0.47	+ 0.96	- 0.78	- 0.58	+ 0.31	+ 0.42	- 2.71	+ 0.01
2005	- 0.26	+ 0.10	+ 0.16	- 1.76	- 0.23	- 0.31	+ 0.03	+ 0.06	+ 1.00	- 1.44
4013	- 0.11	+ 0.01	+ 0.03	- 1.03	- 0.38	- 0.30	+ 0.13	+ 0.67	+ 2.22	- 2.56
4014	+ 2.54	- 0.94	- 1.30	+ 8.71	+ 1.51	- 0.97	+ 0.58	+ 0.80	- 1.54	- 1.28
4015	+ 0.49	- 0.15	- 0.36	- 3.26	+ 2.36	+ 0.34	- 0.07	- 0.18	- 4.86	+ 2.57
4016	- 0.05	+ 0.04	+ 0.06	+ 1.72	- 0.25	- 0.04	+ 0.01	+ 0.02	+ 1.62	- 0.24
4017	- 1.28	+ 0.60	+ 0.97	- 0.67	- 2.50	- 0.05	- 0.01	- 0.02	- 2.09	+ 0.39
4018	- 0.29	+ 0.26	+ 0.88	- 0.23	- 1.29	+ 1.12	- 0.20	- 0.51	+ 4.00	+ 2.66
4019	- 0.62	+ 0.22	+ 0.24	- 0.59	- 0.72	+ 0.94	- 0.20	- 0.24	+ 5.09	+ 0.78
2007	- 1.06	+ 0.08	+ 0.16	- 2.24	- 2.29	- 1.52	+ 0.15	+ 0.32	- 4.43	- 3.03
3971	- 0.36	+ 0.18	+ 0.22	+ 0.45	- 0.74	- 0.98	+ 0.30	+ 0.36	+ 0.68	- 1.73
2008	- 0.55	+ 1.41	+ 1.73	+ 0.67	- 1.40	+ 0.17	+ 0.00	+ 0.01	+ 1.19	- 0.18
4021	+ 0.52	- 0.03	+ 0.20	+ 1.00	+ 0.68	- 1.96	+ 0.60	+ 1.12	- 2.21	- 3.52
4022	- 1.28	+ 0.14	+ 0.37	+ 0.49	- 4.55	+ 0.66	- 0.04	- 0.10	+ 3.52	+ 1.25
2009	+ 0.36	- 0.03	- 0.07	- 1.50	+ 1.26	- 0.78	+ 0.11	+ 0.24	+ 4.25	- 3.49
4023	+ 0.19	- 0.64	- 1.33	+ 2.44	- 0.02	+ 0.32	- 0.27	- 0.47	+ 1.73	+ 0.26
4024	+ 0.36	- 0.27	- 0.48	+ 0.54	+ 0.67	- 0.60	+ 0.37	+ 0.64	- 4.65	- 0.49
3972	+ 0.16	- 0.01	- 0.02	+ 0.97	+ 0.22	- 0.53	+ 0.04	+ 0.09	- 8.56	+ 0.67
2010	- 0.76	+ 0.61	+ 0.67	- 1.54	- 0.35	+ 0.55	- 0.16	- 0.18	- 0.23	+ 1.03
2011	+ 1.34	- 0.17	- 0.33	+ 6.32	+ 1.19	- 1.36	+ 0.34	+ 0.66	- 0.90	- 3.31
2012	- 0.10	+ 0.06	+ 0.09	- 0.44	- 0.10	+ 1.30	- 0.08	- 0.13	+ 0.68	+ 2.97
4025	+ 0.46	- 0.20	- 0.82	+ 3.15	+ 1.70	+ 0.08	+ 0.01	+ 0.05	- 1.45	+ 0.49
2013	- 0.89	+ 0.05	+ 0.09	- 1.67	- 1.75	+ 0.29	- 0.05	- 0.08	- 6.72	+ 2.18
4026	- 0.92	+ 0.73	+ 1.67	- 4.16	- 1.85	- 0.78	+ 0.27	+ 0.58	- 1.34	- 1.64
4027	- 0.21	+ 1.00	+ 1.53	- 2.07	- 0.17	- 0.24	+ 0.29	+ 0.41	- 3.49	+ 0.01
2014	+ 0.56	- 0.46	- 0.75	+ 0.36	+ 1.23	- 1.64	+ 0.36	+ 0.53	- 0.10	- 3.34
4028	+ 0.22	- 0.14	- 0.76	+ 0.95	+ 1.40	+ 0.63	- 0.13	- 0.65	+ 5.37	+ 2.37
4029	- 0.13	+ 0.35	+ 0.73	- 3.79	+ 0.14	+ 0.70	- 0.42	- 0.58	+ 3.36	+ 0.78
4030	- 0.15	+ 0.06	+ 0.13	- 3.52	+ 0.74	+ 0.01	- 0.02	- 0.05	+ 0.39	- 0.08
4031	+ 0.47	- 0.70	- 1.01	+ 5.38	+ 0.31	+ 0.66	- 0.54	- 0.77	- 3.56	+ 1.40
2016	+ 0.46	- 0.06	- 0.13	+ 1.61	+ 0.82	- 0.15	+ 0.03	+ 0.06	+ 4.27	- 2.49
2017	+ 0.20	- 0.42	- 0.69	+ 1.80	- 0.11	+ 0.61	- 0.26	- 0.38	+ 3.26	+ 0.10
4032	+ 0.10	- 0.03	- 0.12	+ 1.83	+ 0.21	- 0.04	+ 0.02	+ 0.10	- 2.74	+ 0.01
4033	+ 0.16	- 0.16	- 0.22	+ 2.25	+ 0.05	+ 0.23	- 0.11	- 0.15	+ 3.09	+ 0.04
4035	- 0.81	+ 0.64	+ 1.84	- 3.21	- 2.22	- 0.76	+ 0.37	+ 0.87	+ 4.80	- 3.34

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
3928	0.69	0.54	0.56	1.33	0.85	0.96	0.48	0.49	2.13	1.29	2.45	2.29	0.19	3.61	0.40	t
4001	1.34	0.68	0.70	4.51	2.37	1.31	0.61	0.63	4.33	2.33	0.85	2.47		2.06	0.83	
3929	0.86	0.46	0.48	2.62	1.14	0.97	0.46	0.47	3.21	1.42	1.51	1.24	2.27	1.17	0.47	t
3930	0.84	0.55	0.56	1.70	0.98	1.23	0.48	0.49	3.03	1.58	3.62	2.35	1.13	2.14	0.76	
3931	1.06	0.66	0.69	2.41	1.48	1.03	0.50	0.51	2.42	1.43	1.58	3.59	1.10	2.89	0.87	
4002	1.23	0.93	0.99	3.39	1.53	1.25	0.44	0.45	3.61	1.60	0.79	2.64	1.79	1.35	2.00	t
4003	0.85	1.01	1.09	2.54	0.89	0.96	0.73	0.77	2.81	1.06	2.84	1.70		2.64	1.67	
3933	0.59	0.67	0.69	1.08	0.63	0.61	0.45	0.46	1.22	0.65	2.31	0.82	0.94	1.89	0.87	t
4004	0.90	0.77	0.84	2.03	1.21	0.76	0.82	0.92	2.03	0.90	1.38	2.19		2.43	1.95	
4005	0.90	0.88	0.95	2.84	1.01	0.99	0.63	0.65	2.92	1.17	0.42	0.47		0.43	0.91	t
4006	1.04	0.94	1.09	3.83	1.34	1.02	0.58	0.62	3.81	1.43	0.26	1.86	1.14	0.85	1.42	
4007	0.69	0.98	1.14	1.87	0.76	0.73	0.64	0.68	2.22	0.82	0.88	1.19		0.81	0.79	
4008	1.16	0.77	0.82	2.76	1.78	1.16	0.63	0.66	3.02	1.79	0.59	2.53		1.87	0.55	
2001	0.86	0.89	1.19	2.23	1.18	0.78	0.46	0.49	2.61	1.43	0.51	0.78	1.80	0.08	0.38	t
4010	0.71	0.97	1.22	1.87	0.83	0.72	0.52	0.55	2.12	0.87	0.92	1.30		1.66	0.14	
2004	0.71	0.64	0.68	1.34	0.86	0.80	0.51	0.54	1.62	1.00	1.90	1.15	1.72	1.80	1.70	t
2005	0.67	0.47	0.50	2.25	0.81	0.89	0.41	0.42	2.32	1.52	0.92	1.05	1.72	1.09		t
4013	1.01	0.80	0.88	3.55	1.93	1.04	0.91	1.05	3.43	1.76	0.52	1.60	1.09	1.25	1.50	
4014	1.13	0.72	0.75	2.39	1.46	1.07	0.79	0.83	2.43	1.32	4.09	2.15	3.06	2.57	0.43	t
4015	0.80	0.54	0.58	2.44	1.23	0.83	0.47	0.49	2.52	1.36	2.15	2.75	0.78	3.31	1.43	
4016	0.89	0.77	0.83	3.30	1.00	1.03	0.62	0.64	3.82	1.25	0.30	0.64		0.74	0.85	
4017	1.05	0.77	0.82	2.70	1.37	0.95	0.74	0.79	2.53	1.18	0.97	2.20	1.20	1.07	1.18	
4018	1.04	0.98	1.18	2.96	1.51	0.91	0.52	0.54	3.01	1.46	1.51	2.32	0.87	0.51	1.02	
4019	0.76	0.63	0.65	3.03	0.79	0.85	0.56	0.58	3.31	0.89	1.61	1.48	1.77	1.26	1.40	
2007	1.26	0.47	0.48	3.72	1.99	1.26	0.54	0.55	4.02	1.93	1.34	2.06	0.81	0.31	0.64	
3971	0.80	0.48	0.49	1.73	0.94	0.82	0.44	0.45	1.86	0.96	0.21	2.13	0.40	1.30	1.22	
2008	0.66	0.88	0.94	1.20	0.76	0.75	0.41	0.42	1.52	0.86	1.03	2.59	1.09	1.65	0.40	
4021	0.68	0.73	0.85	2.42	0.79	0.81	0.58	0.65	2.92	1.03	4.00	1.17		0.44	1.32	
4022	1.15	0.57	0.59	3.92	1.97	1.14	0.52	0.53	3.76	1.97	0.95	2.49	0.75	1.27	0.68	
2009	1.29	0.57	0.58	4.23	1.93	1.37	0.68	0.70	4.31	2.18	0.98	1.76	2.35	1.71	1.20	
4023	0.68	0.95	1.21	1.72	0.79	0.68	0.54	0.59	1.93	0.82	2.05	1.09	2.28	1.48	0.76	
4024	0.70	0.67	0.76	2.18	0.86	0.70	0.61	0.67	2.23	0.87	2.32	1.48	1.40	1.74	0.44	
3972	1.06	0.49	0.50	3.15	1.90	1.03	0.40	0.41	3.35	1.79	2.58	0.34	1.18	2.44	0.52	
2010	0.67	0.57	0.58	1.06	0.77	0.94	0.47	0.48	1.82	1.12	1.83	1.45	0.20	1.08	0.75	t
2011	1.34	0.57	0.58	3.39	2.05	1.35	0.78	0.82	3.61	1.96	1.98	1.99	1.96	1.42	1.49	
2012	1.10	0.81	0.86	3.02	1.29	1.35	0.40	0.40	3.41	2.04	0.29	1.50	2.08	0.59	0.28	t
4025	0.73	0.62	0.71	3.41	1.10	0.80	0.67	0.76	3.75	1.29	1.96	1.20		0.63	1.23	t
2013	1.77	0.50	0.51	5.08	2.65	1.63	0.64	0.65	4.81	2.22	1.41	1.19	1.24	1.68	0.54	
4026	1.25	1.10	1.25	4.19	1.62	1.21	0.62	0.65	4.21	1.68	2.03	1.40		0.52	1.48	
4027	0.52	0.93	1.09	1.86	0.53	0.61	0.48	0.51	2.12	0.66	2.40	1.42	1.95	1.85	1.16	t
2014	0.95	0.78	0.85	1.94	1.27	0.95	0.47	0.48	2.11	1.27	0.60	3.08	2.71	1.36	1.28	t
4028	0.98	0.87	1.02	2.82	1.68	0.87	0.62	0.66	3.12	1.71	1.97	1.96	2.41	0.85	0.61	t
4029	0.49	0.92	1.31	1.72	0.52	0.58	0.50	0.55	2.12	0.66	2.82	1.74	0.90	2.47	0.20	t
4030	1.15	0.87	0.96	2.86	1.61	1.11	0.95	1.06	2.83	1.49	1.21	0.33	1.16	1.31	0.53	
4031	0.68	0.71	0.77	2.66	0.75	0.75	0.58	0.62	2.71	0.85	2.53	2.28	1.03	2.53	1.01	
2016	0.87	0.40	0.41	2.63	1.30	1.01	0.42	0.43	3.11	2.01	1.49	1.42	1.85	1.84	0.36	t
2017	0.88	0.99	1.12	1.97	1.03	0.92	0.55	0.58	2.11	1.14	1.94	0.50	1.47	1.58	0.70	
4032	0.74	0.56	0.62	3.91	1.14	0.85	0.67	0.74	4.72	1.45	0.26	0.77		0.68	0.78	
4033	0.69	0.59	0.63	2.67	0.76	0.74	0.45	0.47	2.72	0.83	1.47	0.32	0.95	1.33	0.71	
4035	1.16	1.05	1.22	3.08	1.68	1.01	0.74	0.81	2.92	1.43	3.16	2.02		2.52	1.69	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4036	1591	FX	π Tuc	0 19 52.987 135	+ 42 52 47.774 28	- 17.82	- 22.86
2018	1647	BX		0 20 39.036 107	- 69 37 29.686 44	- 4.03	- 0.56
4038	1662	FX		0 20 49.593 454	- 36 28 39.740 64	+ 3.47	- 9.29
2019	1667	RS		0 20 53.733 105	- 39 14 23.539 90	- 44.92	- 37.20
4039	1763	FX		0 22 19.702 808	+ 33 4 6.097 26	- 2.67	- 6.15
4040	1773	FX		0 22 26.887 851	+ 66 10 53.321 82	+ 15.64	- 68.32
2021	1939	BX		0 24 29.648 956	- 2 13 8.633 67	- 34.83	- 42.59
4042	2020	FX		0 25 38.272 025	- 51 24 10.596 63	+ 3.91	+ 10.81
4043	2129	FX		0 26 59.901 298	+ 17 54 12.620 96	+ 13.98	- 21.90
2024	2135	BX		0 27 4.573 693	+ 25 2 31.447 99	+ 101.02	- 16.21
4044	2140	FX	η Scl	0 27 6.926 627	- 9 52 22.922 74	- 12.48	- 29.21
2023	2142	BX		0 27 7.385 681	+ 80 3 7.710 34	+ 22.95	- 2.52
2025	2159	RS		0 27 14.708 112	- 25 32 49.815 91	+ 32.34	- 15.59
4046	2204	FX		0 27 51.937 980	+ 52 57 17.882 72	- 113.43	- 28.34
2026	2210	BX		0 27 55.697 676	- 33 0 25.798 38	- 21.56	- 50.03
2028	2235	BX		0 28 20.054 116	+ 10 11 23.447 42	+ 37.13	- 203.61
2030	2337	RS		0 29 51.896 555	- 14 51 50.791 53	+ 145.82	- 33.84
4047	2343	FX		0 29 55.335 487	- 1 7 3.892 60	+ 149.51	- 79.39
4048	2349	FX		0 29 59.220 278	- 59 47 39.541 59	+ 9.63	+ 6.28
2031	2422	RS		0 30 55.079 532	+ 77 1 9.855 52	+ 340.24	- 34.38
2034	2628	BX	ϑ Tuc	0 33 19.263 382	+ 70 58 54.641 24	+ 33.42	- 1.19
2035	2629	BX		0 33 23.358 681	- 71 15 58.484 89	+ 73.39	- 12.79
4050	2733	FX		0 34 55.218 043	+ 22 54 9.691 53	+ 0.32	- 11.89
4051	2745	FX		0 35 1.948 492	- 26 7 32.579 91	- 13.41	- 10.17
2036	2787	RS	14 Cet	0 35 32.833 362	- 0 30 20.198 49	+ 143.23	- 62.39
4053	2833	FX	53 Psc	0 35 57.245 490	+ 7 36 32.940 22	+ 15.14	- 6.33
2038	2841	BX		0 36 0.889 550	- 59 43 2.060 86	+ 78.19	- 18.23
2037	2852	RS		0 36 6.857 101	- 22 50 32.401 91	- 71.81	- 50.59
2039	2903	RS		0 36 47.312 698	+ 15 13 54.220 43	+ 1.58	- 13.15
4054	2917	FX		0 36 56.787 384	- 3 24 2.514 95	+ 0.60	- 21.04
4055	2927	FX		0 37 8.195 475	+ 15 8 23.158 50	+ 36.35	- 92.16
4056	2928	FX		0 37 9.160 544	- 85 15 9.440 39	+ 57.28	- 44.26
2040	2954	BX		0 37 30.491 312	+ 3 8 7.267 83	+ 90.46	- 59.78
4057	3020	FX		0 38 27.364 864	- 45 54 4.711 01	- 29.93	+ 60.29
2041	3058	BX		0 38 49.273 795	+ 59 49 34.149 53	+ 19.60	- 3.59
3941	3132	BX	32 And	0 39 47.252 382	+ 82 29 37.548 69	- 112.54	+ 77.69
2042	3193	BX		0 40 42.371 913	- 4 21 6.622 37	- 15.82	- 13.98
2043	3231	BX		0 41 7.184 628	+ 39 27 31.189 58	- 14.23	- 3.15
2045	3299	RS		0 42 3.420 840	+ 66 8 51.331 46	- 10.34	- 8.66
4060	3316	FX		0 42 14.561 983	- 11 48 17.529 37	+ 89.83	- 28.56
4061	3368	FX		0 42 50.488 943	- 21 39 30.461 00	+ 20.06	- 1.68
4062	3438	FX	φ^1 Cet	0 43 52.264 240	+ 33 18 38.573 22	+ 0.38	+ 12.66
2048	3455	RS		0 44 11.400 866	- 10 36 34.383 87	- 7.75	- 114.14
4063	3471	FX		0 44 21.571 321	- 49 42 23.511 13	- 0.91	+ 8.39
4064	3488	FX		0 44 31.332 657	- 71 10 7.167 44	+ 46.77	+ 7.80
4065	3506	FX		0 44 45.711 691	- 31 23 22.010 12	+ 32.05	- 8.10
2049	3527	RS		0 44 59.940 826	- 53 42 53.623 20	+ 223.49	+ 2.07
4066	3541	FX	4066	0 45 12.826 801	+ 23 35 26.834 74	- 1.77	- 7.28
4067	3597	FX		0 46 3.235 856	+ 40 48 32.079 53	+ 87.39	- 59.81
4068	3649	FX		0 46 42.459 492	+ 59 34 28.338 78	- 5.70	- 1.10

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4036	91.29	0.64	0.60	91.63	0.63	0.66	4.40	1.01	H	+ 9.8	8.66		31		
2018	91.32	0.42	0.42	91.27	0.42	0.42	10.65	0.51	H	+ 11.5	5.50		11	1	3
4038	91.73	0.72	0.97	91.62	0.72	0.74	2.82	0.65	P		8.67		31		
2019	91.49	0.57	0.67	91.27	0.53	0.58	9.31	0.82	H	+ 2.8	7.14		11	1	3
4039	91.50	1.04	0.76	91.77	0.83	0.72	.54	1.36	H		8.76	2	11	1	3
4040	91.25	0.71	0.64	91.30	0.68	0.66	11.29	0.95	H		8.59		31		
2021	91.49	0.73	0.55	91.44	0.41	0.37	6.03	0.79	H	+ 15.3	6.08		11	1	3
4042	91.22	0.53	0.53	91.25	0.55	0.50	5.31	0.82	H		7.58		15	1	3
4043	91.26	0.89	0.79	91.34	0.69	0.62	6.62	1.06	H		8.69		11	1	3
2024	91.11	0.72	0.62	91.24	0.50	0.44	12.51	0.84	H	- 1.5	6.66		21	2	
4044	91.48	0.77	0.71	91.15	0.57	0.54	3.21	0.91	H		7.29		11	1	3
2023	90.98	0.44	0.41	91.13	0.44	0.43	6.35	0.52	H	+ 6.	6.53		38		
2025	91.43	0.67	0.76	91.74	0.51	0.52	4.86	0.97	H	- 3.	5.99		11	1	3
4046	91.05	0.57	0.52	90.95	0.48	0.48	10.86	0.91	H		7.78		11	1	3
2026	91.41	0.68	0.54	91.31	0.45	0.41	5.95	0.72	H	+ 12.1	4.86	2	33		
2028	91.40	0.70	0.41	91.39	0.52	0.39	27.51	0.86	H	- 9.9	6.05		29	2	
2030	91.11	0.73	0.78	91.47	0.53	0.55	23.62	0.87	H	+ 4.9	6.15		11	1	3
4047	91.12	0.79	0.52	91.16	0.57	0.41	14.05	0.90	H	+ 0.3	7.46		11	1	3
4048	91.36	0.59	0.56	91.08	0.72	0.72	2.71	0.90	H		8.14		11	1	3
2031	91.23	0.46	0.49	91.27	0.44	0.50	25.37	0.54	H	+ 17.7	6.18		11	1	3
2034	91.07	0.43	0.46	91.07	0.41	0.43	6.18	0.54	H	- 10.	6.41		21	2	
2035	91.33	0.43	0.42	91.16	0.45	0.47	6.65	0.52	H	+ 2.3	6.11	1	11	1	3
4050	91.29	0.88	0.71	91.65	0.81	0.63	6.75	1.09	H		8.92		13		
4051	91.29	0.80	0.87	91.35	0.61	0.66	6.24	0.98	H	- 7.3	7.62		11	1	3
2036	91.34	0.68	0.48	91.47	0.47	0.37	17.97	0.74	H	+ 6.2	5.94		39		
4053	91.56	0.92	0.64	91.60	0.73	0.58	6.01	1.09	H	+ 5.7	8.44		11	1	3
2038	91.29	0.47	0.46	91.16	0.49	0.46	16.71	0.63	H		6.91		11	1	3
2037	91.49	0.65	0.70	91.66	0.59	0.65	20.12	0.91	H	+ 11.7	6.06		11	1	3
2039	91.20	0.60	0.42	91.45	0.48	0.40	3.81	0.71	H	- 8.0	5.89		38		
4054	91.43	0.90	0.61	91.67	0.64	0.47	2.99	1.11	H		7.88		13		
4055	91.24	0.74	0.65	91.36	0.62	0.54	16.59	0.89	H		8.10		21	2	
4056	91.15	0.52	0.58	91.13	0.54	0.52	3.74	0.66	H		8.07		11	1	3
2040	91.21	0.71	0.41	91.13	0.52	0.36	5.65	0.85	H	+ 4.1	6.43		19	1	1
4057	90.92	0.60	0.67	91.19	0.52	0.51	12.46	0.77	H		7.41		11	1	3
2041	91.10	0.42	0.41	91.13	0.45	0.46	3.07	0.68	H	- 15.2	6.72		11	1	3
3941	91.13	0.44	0.36	91.24	0.41	0.38	30.95	0.50	H	- 33.4	6.38		29	2	
2042	91.34	0.77	0.48	91.54	0.53	0.41	5.66	0.94	H	+ 34.5	5.90		19	1	1
2043	91.24	0.52	0.48	91.84	0.53	0.54	9.47	0.81	H	- 4.4	5.30		31		
2045	91.36	0.41	0.42	91.50	0.42	0.42	6.48	0.58	H	- 3.3	5.83		11	1	3
4060	91.26	0.76	0.72	91.31	0.56	0.61	5.96	0.92	H		6.78		11	1	3
4061	91.29	0.90	0.90	91.21	0.80	0.76	2.54	0.58	P		8.74		31		
4062	91.17	0.69	0.61	91.53	0.54	0.48	12.96	0.86	H	+ 7.3	6.92		13		
2048	91.47	0.66	0.65	91.43	0.52	0.53	15.54	0.82	H	+ 0.6	4.77		11	1	3
4063	91.36	0.57	0.62	91.23	0.56	0.59	2.90	0.87	H	+ 12.	7.72		31		
4064	91.34	0.59	0.61	91.24	0.61	0.68	12.31	0.72	H		8.13		11	1	3
4065	91.01	0.79	1.03	91.44	0.64	0.71	4.79	1.02	H		7.66		11	1	3
2049	91.26	0.45	0.51	91.28	0.47	0.51	22.09	0.65	H	+ 14.4	6.15		11	1	3
4066	91.05	0.81	0.72	91.71	0.62	0.53	2.33	0.97	H	+ 11.4	7.40		11	1	3
4067	91.26	0.66	0.57	91.73	0.58	0.52	16.37	0.97	H	- 5.1	7.57		11	1	3
4068	91.15	0.41	0.38	91.26	0.45	0.43	.86	0.20	P	- 15.8	6.41		19	1	1

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4036	+ 0.79	- 0.39	- 0.73	+ 2.42	+ 1.36	+ 0.84	- 0.39	- 0.81	- 2.02	+ 2.46
2018	- 0.06	+ 0.01	+ 0.02	+ 0.28	- 0.20	+ 0.27	- 0.06	- 0.08	+ 1.82	- 0.07
4038	+ 0.48	- 0.19	- 0.95	- 0.30	+ 3.24	- 0.82	+ 0.17	+ 0.73	- 0.94	- 4.30
2019	+ 1.15	- 0.19	- 0.39	+ 0.59	+ 2.96	+ 0.77	- 0.07	- 0.16	- 0.61	+ 3.21
4039	- 0.08	+ 0.20	+ 2.38	- 1.45	- 1.09	+ 0.06	- 0.05	- 0.57	- 2.96	+ 1.39
4040	- 1.40	+ 0.60	+ 0.91	- 3.54	- 1.86	+ 1.09	- 0.45	- 0.72	+ 7.52	+ 0.69
2021	- 0.10	+ 0.21	+ 0.32	- 0.30	- 0.11	- 0.33	+ 0.12	+ 0.17	- 1.39	- 0.15
4042	- 0.14	+ 0.08	+ 0.14	- 2.26	+ 0.29	+ 0.52	- 0.16	- 0.27	+ 1.58	+ 0.72
4043	+ 0.60	- 0.41	- 0.86	+ 1.20	+ 1.25	+ 0.61	- 0.17	- 0.38	+ 3.55	+ 1.12
2024	- 0.78	+ 0.80	+ 1.04	+ 0.26	- 1.74	+ 2.21	- 0.56	- 0.68	+ 6.62	+ 1.09
4044	+ 0.64	- 0.31	- 0.85	+ 0.85	+ 1.95	+ 0.35	- 0.08	- 0.20	- 0.83	+ 1.30
2023	- 0.51	+ 0.32	+ 0.42	- 1.78	- 0.32	+ 1.01	- 0.26	- 0.39	+ 4.14	+ 1.07
2025	- 0.41	+ 0.25	+ 0.59	+ 0.67	- 1.43	- 0.75	+ 0.14	+ 0.33	- 2.47	- 1.58
4046	+ 0.08	+ 0.02	+ 0.04	- 0.19	+ 0.12	+ 0.88	- 0.23	- 0.31	+ 3.24	+ 0.96
2026	- 0.45	+ 0.72	+ 1.08	- 0.20	- 0.88	+ 0.58	- 0.26	- 0.36	+ 0.71	+ 0.82
2028	+ 2.66	- 3.90	- 4.34	+ 5.63	+ 1.89	- 3.20	+ 0.53	+ 0.47	- 1.60	- 4.12
2030	- 1.18	+ 0.93	+ 1.26	- 3.44	- 1.07	+ 0.97	- 0.10	- 0.14	+ 2.19	+ 0.94
4047	- 0.25	+ 0.19	+ 0.22	+ 1.16	- 0.59	+ 0.39	- 0.05	- 0.06	+ 1.10	+ 0.35
4048	+ 0.10	+ 0.00	- 0.01	- 2.06	+ 0.63	+ 0.70	- 0.17	- 0.68	- 0.60	+ 3.34
2031	- 0.32	+ 0.14	+ 0.16	- 0.90	- 0.12	- 0.17	+ 0.00	+ 0.00	- 1.33	+ 0.11
2034	- 3.26	+ 1.38	+ 1.96	- 3.99	- 4.98	+ 1.21	- 0.39	- 0.62	- 1.45	+ 3.40
2035	- 0.57	+ 0.06	+ 0.10	- 2.12	- 0.38	+ 0.74	- 0.17	- 0.25	+ 1.93	+ 0.87
4050	+ 0.28	- 0.20	- 0.33	- 0.01	+ 0.53	- 0.46	+ 0.31	+ 0.48	- 2.52	- 0.44
4051	+ 0.63	- 0.33	- 0.78	+ 3.68	+ 0.54	- 0.07	- 0.04	- 0.10	+ 0.97	- 0.45
2036	+ 0.13	+ 0.11	+ 0.13	+ 1.03	- 0.33	- 1.25	+ 0.40	+ 0.45	- 3.12	- 0.70
4053	+ 0.68	- 0.59	- 0.93	+ 0.20	+ 1.19	- 1.03	+ 0.22	+ 0.34	- 3.45	- 1.26
2038	+ 0.99	- 0.14	- 0.19	- 0.59	+ 2.11	+ 1.02	- 0.17	- 0.22	+ 3.56	+ 0.49
2037	- 0.80	+ 0.24	+ 0.37	- 3.29	- 0.80	- 0.54	+ 0.15	+ 0.24	- 1.62	- 0.73
2039	+ 0.06	- 0.41	- 0.67	- 1.32	+ 0.65	+ 0.91	- 0.70	- 1.03	- 0.20	+ 1.75
4054	+ 0.45	- 0.66	- 1.52	+ 2.37	+ 0.64	- 0.47	+ 0.10	+ 0.05	+ 0.35	- 0.99
4055	- 0.13	+ 1.25	+ 1.74	- 0.78	- 0.44	- 6.70	+ 2.37	+ 3.09	-10.30	- 8.40
4056	- 0.28	+ 0.08	+ 0.17	- 3.38	+ 0.05	+ 0.15	- 0.03	- 0.05	+ 0.33	+ 0.31
2040	- 0.11	- 0.07	- 0.14	+ 1.29	- 0.59	+ 0.52	- 0.35	- 0.45	+ 0.13	+ 0.75
4057	+ 1.90	- 0.49	- 0.77	+ 2.41	+ 3.29	+ 1.13	- 0.19	- 0.26	+ 2.84	+ 1.26
2041	+ 0.07	+ 0.03	+ 0.08	+ 1.55	- 0.83	+ 1.29	- 0.24	- 0.54	+ 3.08	+ 2.79
3941	+ 1.47	- 1.06	- 1.13	+ 3.96	+ 0.58	+ 1.14	- 0.43	- 0.46	+ 1.69	+ 1.13
2042	- 0.28	+ 0.39	+ 0.53	+ 0.55	- 0.75	+ 0.70	- 0.41	- 0.50	+ 0.74	+ 0.91
2043	+ 0.28	- 0.10	- 0.14	+ 2.35	- 0.90	- 0.23	+ 0.09	+ 0.13	- 2.69	+ 0.95
2045	- 1.28	+ 0.41	+ 0.55	- 2.75	- 1.36	- 0.73	+ 0.06	+ 0.11	+ 0.74	- 1.86
4060	- 0.48	+ 0.32	+ 0.58	- 2.12	- 0.62	+ 0.46	- 0.07	- 0.10	- 1.90	+ 1.34
4061	- 0.58	+ 0.38	+ 1.66	- 0.46	- 3.21	- 0.35	+ 0.16	+ 0.70	- 0.69	- 1.97
4062	- 0.47	+ 0.49	+ 0.66	- 2.05	- 0.49	- 0.09	+ 0.18	+ 0.24	+ 2.05	- 0.30
2048	- 1.04	+ 0.58	+ 0.79	- 2.28	- 1.18	- 0.04	+ 0.18	+ 0.26	+ 1.65	- 0.68
4063	- 0.70	+ 0.17	+ 0.50	- 7.59	- 0.26	- 0.28	+ 0.03	+ 0.06	- 2.45	- 0.21
4064	+ 0.10	- 0.03	- 0.05	+ 1.33	- 0.07	- 1.73	+ 0.36	+ 0.62	- 2.33	- 3.18
4065	+ 0.11	- 0.15	- 0.51	- 0.58	+ 0.85	+ 0.29	- 0.10	- 0.31	- 3.33	+ 2.59
2049	+ 0.77	- 0.05	- 0.09	+ 4.76	+ 0.50	- 1.10	+ 0.08	+ 0.13	+ 0.68	- 2.63
4066	- 0.19	+ 0.14	+ 0.47	- 2.87	- 0.22	- 0.21	+ 0.09	+ 0.24	+ 0.35	- 0.72
4067	- 0.21	+ 0.22	+ 0.27	- 0.41	- 0.25	+ 0.29	- 0.21	- 0.25	+ 0.58	+ 0.32
4068	+ 0.08	- 0.06	- 0.19	+ 2.90	+ 0.02	- 0.12	+ 0.06	+ 0.22	+ 1.11	- 0.60

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
4036	0.86	0.68	0.74	2.80	1.12	0.94	0.73	0.80	2.92	1.26	2.70	1.16		1.45	1.53	
2018	0.92	0.46	0.47	1.98	1.15	0.91	0.45	0.46	2.13	1.11	0.88	0.18	1.57	0.81	0.92	
4038	1.19	1.00	1.14	3.77	2.08	1.08	0.76	0.81	3.91	2.03	2.90	0.45		1.12	0.26	t
2019	1.37	0.69	0.72	3.84	2.05	1.47	0.59	0.60	3.71	2.67	0.28	1.97	2.07	1.00	0.90	
4039	0.77	0.82	1.32	2.81	0.98	0.78	0.74	0.91	3.12	1.29	2.41	1.44		1.29	1.39	
4040	1.08	0.71	0.75	3.12	1.33	1.17	0.73	0.76	3.45	1.48	1.96	2.70		1.89	0.94	
2021	0.68	0.78	0.88	1.38	0.83	0.70	0.42	0.43	1.62	0.86	1.00	0.47	1.31	0.69	0.26	
4042	0.98	0.56	0.59	2.58	1.41	0.89	0.54	0.57	2.53	1.17	1.15	0.77	0.59	0.92	0.65	t
4043	1.07	0.91	1.01	3.60	1.38	1.23	0.65	0.68	4.51	1.86	1.41	1.02		0.50	0.37	
2024	0.83	0.85	0.91	1.52	1.03	0.86	0.49	0.50	1.71	1.07	4.12	2.58	0.63	2.94	0.81	
4044	0.95	0.77	0.86	3.43	1.36	0.96	0.56	0.59	3.71	1.53	1.96	0.51		0.61	1.08	t
2023	0.64	0.49	0.51	1.43	0.76	0.87	0.47	0.48	2.64	1.09	2.22	1.44	2.83	1.40	1.33	t
2025	1.07	0.83	0.92	3.13	1.49	1.08	0.54	0.56	3.41	1.65	0.81	1.56	1.05	0.65	0.56	
4046	0.81	0.63	0.66	3.02	0.88	0.95	0.53	0.55	3.33	1.11	1.05	1.03	0.60	0.66	0.71	
2026	0.67	0.75	0.84	1.41	0.81	0.72	0.46	0.48	1.72	0.88	0.98	2.03	2.49	0.42	2.10	t
2028	0.55	0.75	0.79	1.07	0.57	0.63	0.55	0.57	1.22	0.69	7.95	9.64	8.05	3.57	3.70	t
2030	1.13	0.99	1.05	2.47	1.31	1.31	0.58	0.59	2.71	1.71	1.95	1.52	0.41	0.93	0.92	
4047	0.72	0.74	0.78	1.87	0.80	0.76	0.50	0.52	2.22	0.84	0.67	0.92	0.62	0.92	0.51	
4048	0.94	0.57	0.60	4.19	1.57	1.03	0.75	0.81	4.03	1.75	0.48	2.12	2.02	1.08	1.65	
2031	0.87	0.58	0.59	1.61	1.02	1.30	0.53	0.54	3.13	1.63	0.75	0.24	1.09	0.58	1.28	
2034	0.77	0.52	0.54	1.61	1.00	1.04	0.45	0.46	2.93	1.49	3.52	6.52	4.88	1.57	4.77	
2035	0.94	0.44	0.45	2.10	1.28	0.91	0.50	0.52	2.14	1.22	1.44	0.92	0.50	0.83	0.60	t
4050	0.90	0.91	1.03	2.68	1.08	0.86	0.78	0.86	2.62	1.02	0.95	1.10		0.76	0.95	t
4051	1.18	0.97	1.09	2.73	1.76	1.10	0.70	0.75	2.82	1.61	1.55	0.68	1.22	1.06	0.37	
2036	0.69	0.67	0.70	1.23	0.79	0.73	0.42	0.43	1.42	0.85	2.52	1.25	1.61	1.73	1.06	t
4053	0.81	0.85	0.98	2.72	0.93	0.90	0.67	0.73	2.72	1.13	2.15	1.42		0.82	1.46	
2038	1.19	0.48	0.49	2.60	1.54	1.09	0.49	0.50	2.33	1.40	1.59	1.51	1.36	1.44	0.34	
2037	1.41	0.76	0.79	3.88	1.74	1.56	0.68	0.70	3.91	2.15	1.03	0.73	1.78	0.62	2.39	
2039	0.54	0.58	0.65	1.19	0.65	0.59	0.50	0.54	1.42	0.72	0.75	3.23	1.68	1.90	2.38	t
4054	0.69	0.82	1.04	1.72	0.85	0.68	0.55	0.62	1.93	0.87	1.93	2.05	0.95	1.10	1.50	t
4055	1.08	0.76	0.80	3.07	1.26	1.01	0.62	0.64	2.92	1.17	8.64	4.54		0.61	10.06	t
4056	0.93	0.62	0.66	2.76	1.37	0.89	0.55	0.58	2.70	1.28	1.26	0.27	1.14	1.11	0.25	
2040	0.52	0.65	0.72	1.09	0.60	0.55	0.49	0.53	1.42	0.62	1.13	1.74	1.64	1.56	0.74	t
4057	1.23	0.72	0.75	2.75	1.72	1.11	0.55	0.56	2.73	1.43	1.58	2.39	2.39	0.58	0.93	
2041	0.63	0.47	0.50	1.19	0.92	0.84	0.48	0.50	1.93	1.42	2.16	2.35	0.85	1.59	1.52	
3941	0.57	0.48	0.49	1.07	0.60	0.69	0.45	0.46	1.58	0.73	4.52	2.93	5.79	2.76	1.73	t
2042	0.55	0.82	0.97	1.09	0.66	0.58	0.55	0.60	1.51	0.66	0.76	2.22	1.20	1.03	0.32	t
2043	0.69	0.63	0.66	1.20	0.84	0.82	0.66	0.69	1.53	1.05	2.49	0.98	1.07	2.97	0.99	
2045	0.77	0.46	0.48	1.62	0.97	0.99	0.44	0.45	2.43	1.40	1.97	2.23	2.14	1.18	1.09	
4060	0.93	0.87	0.99	2.68	1.17	0.98	0.68	0.74	2.82	1.30	1.11	1.32	1.45	1.16	0.46	
4061	1.07	0.96	1.14	3.11	1.68	1.04	0.79	0.87	3.21	1.91	2.67	0.76		0.85	1.07	t
4062	0.84	0.81	0.87	2.92	0.92	0.85	0.58	0.60	3.42	0.92	1.04	0.98	0.26	0.84	1.58	t
2048	1.06	0.78	0.82	2.38	1.26	1.14	0.58	0.60	2.61	1.45	1.34	1.40	2.44	0.88	0.82	
4063	0.94	0.65	0.71	2.76	1.53	0.90	0.62	0.67	2.73	1.43	2.99	0.49	1.60	2.43	0.89	
4064	1.38	0.63	0.65	4.13	1.93	1.35	0.72	0.75	3.94	1.83	0.81	1.92	0.28	0.36	1.04	
4065	1.23	1.15	1.39	2.99	1.86	1.15	0.75	0.83	3.02	1.95	0.97	1.44	0.06	1.70	1.48	t
2049	1.75	0.51	0.52	4.98	2.58	1.67	0.52	0.53	4.81	2.36	0.98	1.16	1.72	0.98	0.66	
4066	0.88	0.79	0.93	2.93	1.27	0.79	0.56	0.61	2.81	1.17	1.09	0.83	1.14	0.90	0.57	
4067	0.80	0.75	0.79	2.55	0.86	0.80	0.65	0.67	2.62	0.85	0.40	0.68	1.00	0.11	1.14	
4068	0.50	0.42	0.48	2.30	0.69	0.57	0.45	0.51	2.84	0.85	1.35	0.85	1.43	1.33	1.00	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2050	3675	BX	58 Psc	0 47 1.458 455	+ 11 58 25.860 06	+ 53.74	- 34.83
2051	3685	RS	59 Psc	0 47 13.626 390	+ 19 34 43.327 41	+ 106.87	+ 6.49
2052	3788	RS		0 48 41.270 836	- 28 29 43.555 69	+ 85.33	- 55.28
4069	3798	FX		0 48 48.009 523	+ 18 18 50.719 57	- 9.78	- 3.27
2053	3807	BX		0 48 56.727 893	- 46 41 51.531 46	- 10.43	+ 20.83
4071	3811	FX		0 49 0.593 479	- 36 15 48.726 04	- 41.61	+ 13.08
4072	3889	FX		0 49 54.955 357	- 0 13 26.894 48	+ 24.96	- 8.29
4073	3908	FX		0 50 7.586 980	- 40 37 11.911 46	+ 51.96	+ 7.37
4074	3938	FX		0 50 33.374 091	+ 10 24 41.660 37	+ 9.65	- 5.86
2056	3949	BX	ϱ Phe	0 50 41.186 627	- 50 59 12.536 41	+ 63.21	+ 44.66
4075	4046	FX		0 51 50.910 586	- 56 34 40.776 20	+ 4.85	+ 70.79
2057	4200	RS		0 53 37.873 891	- 62 52 16.866 52	+ 74.35	+ 0.60
4076	4236	FX		0 54 3.977 531	- 32 20 5.642 75	+ 24.46	- 8.55
4077	4262	FX		0 54 23.857 672	+ 25 42 52.960 07	- 18.69	- 38.08
4078	4281	FX		0 54 48.803 458	+ 67 54 30.576 34	- 7.71	- 2.97
4079	4320	FX		0 55 16.257 036	+ 85 42 9.338 14	- 2.27	- 17.32
4080	4321	FX		0 55 17.111 360	+ 36 3 6.646 23	- 3.25	- 2.80
4081	4326	FX		0 55 22.804 884	- 24 39 36.831 19	+ 55.30	- 13.56
2058	4346	RS		0 55 42.399 969	- 7 20 49.737 08	- 7.31	- 44.94
4082	4355	FX		0 55 49.906 403	- 17 18 31.937 63	- 1.10	- 19.35
2059	4366	BX	67 Psc	0 55 58.509 075	+ 27 12 33.775 09	- 20.12	+ 11.54
4083	4382	FX		0 56 9.120 394	+ 13 57 7.054 99	- 3.06	- 3.19
4084	4402	FX		0 56 27.209 932	+ 30 15 56.135 27	- 11.15	+ 0.22
4085	4419	FX		0 56 37.272 432	+ 70 27 12.625 20	- 3.06	+ 1.04
4086	4479	FX		0 57 21.353 542	- 76 33 14.207 69	- 38.36	+ 13.64
4087	4500	FX		0 57 39.656 134	+ 1 47 8.207 41	+ 9.71	+ 11.73
4088	4530	FX		0 58 0.408 512	- 22 35 44.478 21	- 8.20	- 19.89
2061	4552	RS		0 58 14.218 958	+ 33 57 3.183 89	+ 34.99	- 71.92
4089	4559	FX		0 58 19.453 508	+ 6 50 39.520 05	+ 29.44	- 6.77
4090	4588	FX		0 58 44.263 496	- 51 15 54.822 45	+ 22.68	+ 5.67
4092	4665	FX		0 59 56.493 354	- 67 15 7.449 65	+ 13.34	- 13.30
2062	4704	BX		1 0 29.894 597	+ 80 32 43.454 16	+ 86.72	+ 12.30
2063	4709	RS		1 0 31.006 041	+ 70 58 58.758 68	+ 77.38	- 6.46
4093	4719	FX		1 0 35.326 555	- 36 14 17.676 00	+ 37.16	- 3.15
4094	4726	FX		1 0 40.404 770	- 1 39 31.040 99	+ 7.43	- 19.01
4095	4736	FX		1 0 50.094 733	- 9 22 24.765 81	- 5.88	+ 13.49
4096	4744	FX		1 0 56.467 157	+ 50 52 44.450 30	+ 10.31	- 6.83
2064	4770	RS	ξ Scl	1 1 18.275 417	- 38 54 59.499 64	+ 66.65	+ 49.79
4097	4796	FX		1 1 34.325 302	- 6 47 58.310 93	+ 24.36	- 3.16
4098	4839	FX		1 2 15.595 947	- 45 10 19.469 87	- 8.24	- 18.25
2067	4869	RS		1 2 36.897 856	- 77 33 3.692 32	+ 39.14	- 49.33
2065	4890	RS		1 2 49.189 900	- 46 23 50.321 37	- 2.18	+ 10.91
2066	4998	BX		1 4 2.389 369	+ 52 30 7.778 21	+ 1.34	- 61.14
4099	5080	FX		1 5 3.884 649	- 13 45 34.557 37	+ 0.97	- 41.32
3973	5084	BX		1 5 8.620 190	- 83 35 25.181 71	- 6.31	+ 17.74
4101	5198	FX		1 6 27.693 235	- 39 51 22.597 74	+ 17.53	+ 19.74
2068	5204	BX	75 Psc	1 6 33.627 039	+ 12 57 21.741 43	+ 14.19	+ 27.06
2069	5240	RS		1 7 0.174 995	+ 56 56 5.898 94	+ 94.95	- 108.76
4102	5241	FX		1 7 1.059 675	- 29 36 54.514 65	+ 18.90	+ 0.29
2071	5317	BX	41 And	1 8 0.848 856	+ 43 56 31.528 73	+ 160.86	- 61.61

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2050	91.06	0.66	0.49	90.80	0.47	0.43	12.45	0.81	H	- 0.8	5.51		11	1	1
2051	91.24	0.71	0.63	91.79	0.61	0.61	9.35	0.85	H	+ 0.	6.11		39		
2052	91.27	0.72	0.87	91.45	0.63	0.65	15.91	0.98	H	+ 0.	6.78		15	1	3
4069	91.17	0.89	0.78	91.62	0.67	0.73	2.26	1.02	H	- 0.6	7.93		13		
2053	91.20	0.38	0.43	91.15	0.40	0.44	8.40	0.71	H	+ 11.8	6.28		11	1	3
4071	91.76	0.62	0.68	91.38	0.63	0.56	6.41	0.89	H		7.59		11	1	3
4072	91.38	0.69	0.43	91.42	0.48	0.36	3.22	0.78	H		6.64		11	1	3
4073	91.08	0.51	0.52	91.13	0.72	0.64	7.88	1.06	H		8.88		11	1	3
4074	91.20	1.07	0.72	91.25	0.82	0.52	3.18	1.41	H		8.63		11	1	3
2056	91.27	0.41	0.44	91.12	0.41	0.43	13.06	0.59	H	+ 22.0	5.24	1	11	1	3
4075	91.37	0.54	0.55	91.37	0.62	0.58	8.41	0.80	H		8.13		31		
2057	91.46	0.44	0.41	91.24	0.45	0.46	5.32	0.56	H	- 10.	5.73	2	13		
4076	91.17	0.79	0.88	91.14	0.69	0.67	4.15	1.01	H		8.06		11	1	3
4077	91.30	0.87	0.63	91.38	0.58	0.47	4.58	0.96	H		8.42		11	1	3
4078	91.04	0.85	0.83	91.40	0.77	0.72	4.57	1.14	H		9.29		11	1	3
4079	91.33	0.61	0.57	91.32	0.63	0.69	4.25	0.71	H		8.10		11	1	3
4080	91.02	1.06	0.70	91.46	0.65	0.51	1.67	1.27	H		8.89		11	1	3
4081	91.43	0.67	0.77	91.16	0.59	0.68	6.46	0.90	H		7.07		13		
2058	91.50	0.79	0.71	91.69	0.50	0.52	6.54	1.00	H	+ 1.9	5.88		19	1	1
4082	91.29	1.16	1.05	91.73	0.78	0.71	5.61	1.40	H		8.33		11	1	3
2059	91.26	0.64	0.56	91.59	0.47	0.40	11.94	0.74	H	- 6.8	6.08		11	1	3
4083	91.15	0.73	0.50	91.57	0.57	0.38	6.51	0.85	H		6.46		31		
4084	91.09	1.16	0.92	91.67	0.70	0.58	6.32	1.28	H		9.43		11	1	3
4085	91.08	0.61	0.61	91.35	0.68	0.61	1.30	0.18	P		8.47		11	1	3
4086	91.44	0.53	0.55	91.27	0.55	0.60	6.16	0.64	H		7.39		31		
4087	91.16	0.71	0.41	91.54	0.58	0.40	3.16	0.85	H		6.97		11	1	3
4088	91.39	0.88	0.94	91.38	0.78	0.78	2.17	0.50	P		8.48	1	11	1	3
2061	90.98	0.65	0.55	91.72	0.42	0.40	17.19	0.83	H	- 17.3	5.99		11	1	3
4089	91.41	0.76	0.55	91.38	0.51	0.40	5.00	0.86	H		6.74		11	1	3
4090	91.44	0.59	0.59	91.14	0.61	0.63	2.45	0.87	H		7.53		31		
4092	91.45	0.66	0.70	91.33	0.63	0.69	2.62	0.60	P		8.71		11	1	3
2062	91.17	0.46	0.44	91.18	0.49	0.57	9.17	0.56	H		6.67		31		
2063	91.05	0.46	0.45	91.31	0.48	0.52	9.18	0.62	H	+ 6.	6.40		29	2	
4093	91.59	0.49	0.45	90.85	0.50	0.45	4.33	0.78	H		6.99		31		
4094	91.25	0.67	0.52	91.40	0.51	0.43	1.79	0.81	H	+ 18.0	6.85	2	33		
4095	91.32	0.69	0.60	91.65	0.62	0.57	5.57	0.88	H		7.40		11	1	3
4096	91.20	0.55	0.52	91.67	0.42	0.39	1.51	0.35	P	- 5.	7.67		18		
2064	91.50	0.58	0.56	91.14	0.48	0.43	5.19	0.77	H	- 31.1	5.59		11	1	3
4097	91.27	0.74	0.67	91.41	0.51	0.48	2.85	0.85	H		7.22		11	1	3
4098	91.24	0.55	0.57	91.18	0.51	0.51	5.54	0.82	H		7.79		11	1	3
2067	91.43	0.50	0.51	91.24	0.49	0.57	1.45	0.33	P	+ 61.6	7.24		31		
2065	91.19	0.40	0.45	91.26	0.39	0.38	13.86	0.61	H	- 1.4	5.39		11	1	3
2066	91.11	0.44	0.35	91.88	0.37	0.39	3.29	0.69	H	- 7.0	5.99		11	1	3
4099	91.42	0.89	0.79	91.45	0.71	0.61	3.27	1.06	H		7.30		31		
3973	91.33	0.52	0.57	91.24	0.48	0.55	4.73	0.58	H		7.37		11	1	3
4101	91.63	0.43	0.59	91.08	0.54	0.46	3.39	0.78	H		6.64	1	11	1	3
2068	91.21	0.68	0.48	91.34	0.55	0.44	8.91	0.75	H	+ 7.5	6.14		39		
2069	91.30	0.40	0.41	91.46	0.41	0.44	10.26	0.67	H	- 96.0	6.41		21	2	
4102	91.20	0.90	1.06	91.03	0.77	0.73	6.04	1.21	H	+ 31.	9.38		11	1	3
2071	91.16	0.48	0.39	91.15	0.46	0.40	16.61	0.73	H	+ 9.5	5.04		21	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2050	- 0.12	+ 0.10	+ 0.09	+ 2.12	- 1.02	+ 0.58	- 0.24	- 0.29	+ 0.95	+ 0.62
2051	- 1.16	+ 0.59	+ 0.88	- 3.93	- 1.17	+ 0.40	+ 0.11	+ 0.17	+ 6.89	- 1.69
2052	- 0.18	+ 0.19	+ 0.33	- 2.61	+ 0.42	- 0.98	+ 0.26	+ 0.40	+ 0.42	- 2.28
4069	- 0.30	+ 0.17	+ 0.69	- 3.62	- 0.76	- 0.15	+ 0.09	+ 0.38	- 1.87	- 0.39
2053	+ 0.75	- 0.08	- 0.13	- 0.45	+ 1.81	+ 0.26	- 0.02	- 0.02	- 0.27	+ 0.61
4071	- 0.40	+ 0.13	+ 0.25	- 3.94	+ 0.12	- 0.22	+ 0.04	+ 0.07	- 1.39	- 0.16
4072	+ 0.18	- 0.48	- 0.82	- 0.56	+ 0.40	+ 0.30	- 0.22	- 0.35	+ 2.18	+ 0.26
4073	+ 0.55	- 0.12	- 0.20	+ 1.34	+ 0.73	+ 0.34	- 0.18	- 0.28	- 4.04	+ 1.85
4074	+ 0.27	- 0.41	- 1.11	+ 1.14	+ 0.68	+ 0.10	- 0.12	- 0.33	+ 0.80	+ 0.18
2056	+ 1.02	- 0.16	- 0.22	+ 1.21	+ 1.46	+ 0.14	+ 0.01	+ 0.01	- 2.98	+ 1.20
4075	- 1.88	+ 0.29	+ 0.53	- 7.60	- 2.07	- 0.44	+ 0.12	+ 0.22	+ 1.31	- 1.41
2057	- 0.30	+ 0.04	+ 0.07	- 0.40	- 0.57	- 0.12	+ 0.03	+ 0.05	+ 4.98	- 1.84
4076	+ 0.28	- 0.05	- 0.12	- 0.44	+ 1.16	- 1.11	+ 0.31	+ 0.76	- 2.38	- 2.88
4077	- 0.41	+ 0.87	+ 1.78	+ 0.33	- 0.99	- 0.10	+ 0.31	+ 0.66	+ 3.59	- 0.83
4078	- 0.07	+ 0.09	+ 0.20	+ 1.01	- 0.33	- 0.04	+ 0.02	+ 0.04	+ 0.50	- 0.18
4079	+ 0.30	- 0.19	- 0.34	+ 0.28	+ 0.56	+ 0.10	- 0.04	- 0.09	+ 5.01	- 0.49
4080	+ 0.06	- 0.05	- 0.16	- 2.09	+ 0.48	- 0.70	+ 0.24	+ 0.71	- 3.24	- 1.91
4081	- 0.92	+ 0.33	+ 0.72	- 1.79	- 2.14	+ 0.01	+ 0.03	+ 0.09	+ 2.51	- 0.81
2058	- 0.24	+ 0.17	+ 0.32	- 1.71	- 0.01	- 0.09	+ 0.06	+ 0.12	- 1.24	+ 0.07
4082	- 0.01	+ 0.18	+ 0.56	- 0.39	- 0.11	- 0.72	+ 0.28	+ 0.64	- 2.75	- 1.15
2059	- 0.57	+ 0.21	+ 0.25	- 0.55	- 0.81	+ 1.76	- 0.37	- 0.45	+ 2.29	+ 2.04
4083	- 0.67	+ 0.84	+ 1.15	+ 3.27	- 1.29	- 0.48	+ 0.26	+ 0.33	- 4.89	- 0.24
4084	- 0.30	+ 0.41	+ 0.97	- 4.21	- 0.11	+ 0.25	- 0.07	- 0.09	- 0.67	+ 0.60
4085	- 0.37	+ 0.17	+ 0.66	- 4.83	- 1.13	- 0.26	+ 0.04	+ 0.16	- 2.89	- 0.89
4086	+ 1.14	- 0.11	- 0.27	+ 5.52	+ 2.01	- 0.81	+ 0.10	+ 0.23	- 2.00	- 1.83
4087	- 0.10	- 0.03	- 0.12	+ 1.60	- 0.27	+ 0.36	- 0.22	- 0.37	+ 3.57	+ 0.24
4088	- 0.49	+ 0.37	+ 1.94	- 6.13	- 1.71	- 0.13	+ 0.13	+ 0.69	- 1.95	- 0.58
2061	- 0.72	+ 0.20	+ 0.26	- 1.63	- 0.85	- 0.28	+ 0.04	+ 0.06	+ 0.66	- 0.77
4089	- 0.50	+ 0.86	+ 1.43	- 2.71	- 0.63	- 0.35	+ 0.20	+ 0.33	+ 1.64	- 0.87
4090	+ 0.82	- 0.22	- 0.64	- 0.42	+ 3.20	+ 0.39	- 0.08	- 0.24	+ 3.35	+ 0.51
4092	+ 0.28	- 0.06	- 0.25	- 0.79	+ 1.68	+ 0.13	- 0.03	- 0.10	- 0.38	+ 0.74
2062	+ 1.86	- 0.57	- 0.74	+ 2.84	+ 2.25	+ 0.42	+ 0.04	+ 0.03	+ 2.37	- 0.12
2063	+ 1.82	- 0.56	- 0.70	+ 5.65	+ 0.95	+ 1.66	+ 0.03	- 0.04	+ 7.02	+ 1.44
4093	+ 0.59	- 0.27	- 0.41	+ 0.52	+ 0.98	+ 1.14	- 0.55	- 0.84	+ 5.61	+ 1.19
4094	+ 0.30	- 0.42	- 1.16	+ 3.31	+ 0.37	+ 0.68	- 0.30	- 0.81	+ 2.15	+ 1.74
4095	- 0.39	- 0.04	- 0.10	- 0.39	- 0.62	+ 0.74	- 0.28	- 0.47	+ 3.80	+ 0.58
4096	+ 0.16	- 0.06	- 0.18	+ 5.01	- 0.12	+ 0.32	- 0.07	- 0.17	+ 0.94	+ 0.80
2064	- 0.58	+ 0.19	+ 0.33	+ 0.04	- 1.46	- 0.65	+ 0.08	+ 0.13	- 1.67	- 0.95
4097	+ 0.61	- 0.30	- 0.87	+ 6.13	+ 0.98	+ 0.23	- 0.12	- 0.35	+ 0.91	+ 0.68
4098	- 0.35	+ 0.03	+ 0.07	+ 0.88	- 1.58	- 0.95	+ 0.10	+ 0.23	- 1.64	- 2.36
2067	+ 0.34	- 0.03	- 0.16	+ 3.43	+ 2.10	- 0.92	+ 0.08	+ 0.64	-12.01	- 6.34
2065	+ 0.11	- 0.02	- 0.03	- 1.30	+ 0.69	- 0.50	+ 0.03	+ 0.05	- 6.36	+ 1.29
2066	- 0.22	+ 0.07	+ 0.10	- 1.56	+ 0.14	- 0.30	+ 0.07	+ 0.11	+ 1.46	- 1.06
4099	+ 0.62	- 0.41	- 1.33	+ 4.41	+ 1.56	+ 0.61	- 0.22	- 0.72	+ 7.27	+ 0.71
3973	- 1.22	+ 0.12	+ 0.37	- 5.12	- 3.58	- 0.10	+ 0.02	+ 0.08	+ 5.19	- 2.35
4101	- 0.43	+ 0.14	+ 0.33	- 0.30	- 1.32	+ 0.40	- 0.13	- 0.24	- 1.05	+ 1.18
2068	+ 0.31	- 0.33	- 0.43	+ 2.32	- 0.43	- 0.19	+ 0.06	+ 0.08	- 2.40	+ 0.47
2069	+ 1.68	- 0.83	- 1.00	+ 4.17	+ 1.10	- 0.14	+ 0.16	+ 0.20	- 1.32	+ 0.20
4102	- 0.25	+ 0.18	+ 0.53	- 5.28	+ 0.38	- 0.03	+ 0.01	+ 0.00	+ 2.09	- 0.51
2071	+ 0.11	+ 0.09	+ 0.10	+ 1.88	- 0.72	- 1.02	+ 0.24	+ 0.29	- 7.73	+ 1.15

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
2050	0.68	0.69	0.73	1.35	0.77	0.73	0.53	0.55	1.62	0.84	1.47	1.50	0.71	2.03	0.64	t
2051	0.99	0.74	0.79	2.42	1.20	1.05	0.69	0.73	2.41	1.36	3.32	1.79	1.93	3.27	0.12	t
2052	1.25	1.04	1.13	2.92	1.55	1.32	0.70	0.73	3.01	1.76	0.94	1.41	1.04	1.20	0.24	t
4069	0.95	0.83	0.97	3.45	1.44	0.94	0.77	0.88	3.51	1.44	1.35	0.93	1.04	0.86	0.82	t
2053	1.09	0.45	0.46	2.59	1.52	0.98	0.47	0.48	2.22	1.33	0.16	1.31	1.59	0.83	2.05	
4071	1.10	0.73	0.78	2.94	1.56	1.10	0.59	0.61	3.12	1.61	1.45	0.15	0.68	1.27	1.09	
4072	0.49	0.66	0.78	1.73	0.54	0.57	0.43	0.46	2.03	0.66	1.22	1.42	2.22	1.05	0.30	
4073	1.02	0.56	0.58	2.44	1.40	0.98	0.72	0.77	2.43	1.27	1.60	1.55	1.22	2.16	1.84	
4074	0.83	0.90	1.13	2.40	1.05	0.79	0.58	0.64	2.81	1.05	1.19	0.92		0.27	0.84	
2056	1.07	0.47	0.48	2.30	1.38	1.05	0.45	0.46	2.42	1.33	1.35	1.44	0.93	1.52	0.86	t
4075	1.19	0.57	0.59	3.11	1.73	1.16	0.62	0.64	3.03	1.63	2.60	1.69	2.39	1.75	1.07	
2057	0.95	0.43	0.44	2.29	1.38	0.94	0.48	0.50	2.43	1.34	2.00	1.39	1.50	2.46	0.61	t
4076	1.11	0.97	1.12	2.70	1.71	1.03	0.71	0.77	2.72	1.63	1.11	2.15	2.08	0.52	1.80	
4077	0.73	0.89	1.10	2.47	0.83	0.77	0.56	0.63	2.52	0.94	2.18	1.28		1.72	0.99	
4078	0.97	1.01	1.22	3.26	1.21	1.01	0.79	0.87	3.65	1.36	0.34	0.26		0.42	0.86	
4079	0.78	0.67	0.74	2.75	0.95	0.93	0.79	0.88	3.20	1.21	0.78	1.55		1.61	0.67	
4080	0.75	0.82	1.10	2.72	0.95	0.72	0.54	0.60	2.92	1.08	2.19	1.47		0.99	0.82	
4081	1.18	0.83	0.90	2.77	1.82	1.12	0.72	0.77	2.92	1.63	1.18	1.49	1.47	1.00	0.74	t
2058	0.96	0.84	0.94	2.25	1.25	1.20	0.55	0.58	3.41	1.89	0.91	0.21	1.68	0.74	2.27	t
4082	1.21	1.25	1.56	2.89	1.67	1.08	0.78	0.86	2.82	1.56	1.02	1.18		0.50	1.33	t
2059	0.81	0.74	0.79	1.36	1.02	0.84	0.46	0.47	1.42	1.11	1.94	2.30	0.49	0.21	1.44	
4083	0.64	0.67	0.73	2.52	0.70	0.62	0.44	0.46	2.42	0.68	2.27	2.50	3.38	2.54	1.37	
4084	1.05	1.17	1.44	3.16	1.29	0.96	0.64	0.68	3.01	1.24	0.76	1.50		1.26	0.75	
4085	0.75	0.65	0.76	3.39	1.12	0.79	0.63	0.71	3.74	1.31	1.55	1.78		1.15	1.72	
4086	1.22	0.56	0.58	3.98	1.95	1.20	0.62	0.64	3.85	1.88	1.55	1.53	2.25	0.79	2.93	
4087	0.49	0.63	0.76	1.86	0.53	0.57	0.53	0.61	2.12	0.65	1.93	0.81	1.48	1.78	0.77	
4088	1.07	1.01	1.24	3.35	1.63	1.00	0.81	0.92	3.61	1.71	1.85	2.35		1.23	0.80	
2061	1.15	0.60	0.62	3.00	1.34	1.41	0.41	0.41	3.61	1.90	0.64	0.86	1.88	0.42	0.43	
4089	0.66	0.78	0.90	2.28	0.74	0.78	0.44	0.46	2.62	0.96	1.77	2.02	2.20	1.25	1.33	
4090	0.87	0.62	0.67	2.67	1.40	0.88	0.66	0.73	2.73	1.40	1.27	2.54	1.83	1.52	0.84	
4092	1.01	0.72	0.78	3.33	1.82	0.99	0.71	0.77	3.25	1.73	0.18	1.08	0.75	0.72	0.15	
2062	0.84	0.49	0.50	1.57	1.09	1.22	0.59	0.61	2.74	1.83	2.33	2.50	2.48	0.82	1.01	
2063	0.83	0.51	0.53	1.66	1.05	1.26	0.54	0.56	3.22	1.89	4.27	1.62	1.89	2.82	1.18	t
4093	0.71	0.52	0.55	2.12	0.87	0.70	0.52	0.55	2.23	0.85	2.85	2.43	2.61	1.87	1.37	
4094	0.62	0.61	0.73	1.87	0.82	0.68	0.46	0.51	2.22	1.02	2.54	2.49	0.96	1.45	0.64	t
4095	0.89	0.72	0.80	2.12	1.19	0.86	0.67	0.75	2.32	1.10	1.77	0.95	0.24	1.26	1.20	
4096	0.67	0.56	0.63	2.70	0.96	0.64	0.40	0.43	2.83	0.94	0.94	1.92		1.79	0.82	t
2064	0.92	0.61	0.65	2.12	1.29	0.95	0.45	0.46	2.32	1.40	0.77	1.45	0.88	0.66	0.39	
4097	0.91	0.73	0.82	3.16	1.32	0.89	0.50	0.53	3.22	1.43	1.32	2.17		1.50	1.80	
4098	1.17	0.59	0.61	3.11	2.01	1.14	0.52	0.54	3.12	1.88	1.55	0.64		0.69	1.41	
2067	0.84	0.51	0.53	3.81	2.08	0.88	0.57	0.59	4.02	2.36	3.25	3.06	1.04	1.25	1.02	
2065	1.21	0.47	0.48	2.81	1.60	1.22	0.40	0.40	2.81	1.64	2.30	0.86	1.90	2.43	0.77	
2066	0.60	0.40	0.42	1.31	0.77	0.73	0.41	0.43	1.93	1.00	1.38	1.07	1.17	1.61	0.63	
4099	1.01	0.86	0.99	3.38	1.46	1.00	0.64	0.69	3.42	1.66	2.78	1.76	0.96	1.89	0.99	
3973	1.20	0.58	0.60	4.27	2.19	1.24	0.56	0.57	4.33	2.53	1.73	1.97	0.46	1.54	1.56	
4101	0.91	0.62	0.67	2.25	1.42	0.78	0.50	0.53	2.23	1.07	0.44	1.58	2.17	0.98	2.22	
2068	0.62	0.70	0.75	1.20	0.73	0.70	0.54	0.56	1.52	0.82	2.49	0.39	2.45	2.56	0.24	t
2069	0.70	0.50	0.51	1.35	0.84	1.00	0.47	0.48	2.13	1.30	3.63	2.13	2.30	2.02	0.88	
4102	1.29	1.18	1.39	3.69	1.82	1.16	0.78	0.83	3.71	1.69	0.28	1.57		1.52	2.34	
2071	0.61	0.52	0.53	1.12	0.66	0.83	0.44	0.45	1.72	0.99	4.75	1.27	1.48	4.89	1.04	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2072	5319	BX	78 Psc	1 8 1.343 758	+ 32 0 43.651 21	+ 202.76	- 27.48
4103	5325	FX		1 8 5.959 110	+ 42 50 52.569 24	+ 9.00	+ 3.27
4104	5344	FX		1 8 21.837 524	+ 9 54 29.510 20	- 2.58	- 1.47
4105	5431	FX		1 9 24.091 707	+ 22 34 39.039 20	+ 29.37	- 15.09
2076	5472	RS		1 10 3.289 208	- 26 11 37.470 26	- 28.52	- 9.09
2077	5477	RS		1 10 7.373 684	- 57 41 39.909 71	- 2.89	- 115.01
2075	5493	RS	44 And	1 10 18.740 278	+ 42 4 53.311 34	- 135.94	- 41.68
2074	5518	RS	32 Cas	1 10 39.322 466	+ 68 46 43.033 05	+ 35.34	- 27.69
4107	5551	FX		1 11 10.579 107	+ 46 11 1.870 59	- 5.26	- 24.92
2079	5575	RS		1 11 28.972 241	+ 10 17 30.870 97	+ 10.89	- 5.91
2078	5589	BX	32 Cas	1 11 41.401 329	+ 65 1 7.873 67	+ 23.53	- 12.91
2081	5623	RS		1 12 10.580 688	- 73 54 25.446 38	+ 97.83	+ 30.91
2080	5665	RS		1 12 46.719 254	- 35 12 20.022 21	+ 13.03	- 14.51
4108	5752	FX		1 13 51.604 469	+ 5 8 30.628 34	+ 59.32	- 21.28
4109	5776	FX		1 14 7.064 341	+ 56 0 46.804 03	+ 17.10	- 3.98
4110	5798	FX		1 14 23.479 883	- 37 0 25.761 04	+ 85.67	+ 42.49
2084	5833	BX	38 Cet	1 14 49.171 941	- 0 58 25.664 17	- 14.66	+ 205.11
4111	5886	FX		1 15 35.649 268	+ 0 54 44.844 32	+ 42.19	+ 3.30
4112	5916	FX		1 16 6.818 002	- 34 8 55.706 95	+ 19.12	- 5.89
2085	5939	RS		1 16 24.493 111	+ 48 4 56.086 19	+ 8.82	- 3.95
2086	5943	BX		1 16 29.099 855	- 67 25 51.718 20	+ 130.60	+ 24.33
4113	5953	FX		1 16 36.594 740	- 87 20 25.649 45	+ 8.34	- 4.53
4114	5985	FX		1 16 59.006 488	- 2 16 44.982 65	+ 259.40	- 141.45
4115	6046	FX		1 17 41.358 398	- 51 2 4.515 09	- 2.74	- 1.45
4116	6090	FX		1 18 11.392 751	+ 81 33 37.923 37	- 3.14	- 4.87
4117	6197	FX		1 19 29.063 796	- 24 57 4.348 04	- 22.15	- 122.25
4118	6207	FX		1 19 33.937 519	- 47 17 32.371 02	- 9.88	- 12.28
4119	6224	FX		1 19 47.656 652	+ 67 12 8.409 17	+ 29.49	- 0.16
4120	6235	FX		1 19 58.310 233	- 57 20 56.965 44	+ 45.33	+ 37.76
4121	6248	FX		1 20 9.493 302	+ 39 5 36.653 65	+ 12.60	- 14.75
2088	6272	RS		1 20 27.807 878	- 11 14 20.395 70	- 50.06	- 75.67
4122	6288	FX		1 20 40.648 679	- 13 53 23.918 21	+ 39.16	+ 6.87
4123	6289	FX		1 20 41.101 290	+ 15 41 45.740 50	+ 48.87	- 8.88
4124	6308	FX		1 21 3.664 568	+ 25 9 30.156 81	+ 107.16	- 105.30
2089	6315	BX	91 Psc	1 21 7.372 528	+ 28 44 17.542 15	+ 27.94	- 75.56
4125	6412	FX		1 22 21.178 062	- 61 19 45.909 07	+ 28.31	+ 19.29
2091	6432	BX		1 22 36.952 691	+ 1 43 34.796 14	+ 64.92	- 44.83
2094	6487	RS		1 23 21.485 427	- 17 56 2.142 52	+ 4.59	- 1.49
4127	6520	FX		1 23 46.407 515	+ 48 22 34.144 46	+ 7.06	- 16.30
4128	6534	FX		1 24 0.427 727	- 72 19 27.859 30	+ 14.69	+ 2.45
2095	6592	BX		1 24 40.786 398	- 41 29 33.174 74	+ 16.87	- 36.90
4129	6601	FX		1 24 46.843 294	+ 20 9 31.817 16	+ 110.97	+ 42.42
4130	6636	FX		1 25 8.321 785	+ 35 43 59.338 82	- 6.52	- 1.80
4134	6699	FX		1 26 5.007 388	- 22 47 54.173 48	+ 20.87	+ 3.30
4135	6740	FX		1 26 47.338 552	- 8 35 13.442 44	+ 17.51	+ 19.16
2097	6812	RS		1 27 38.968 251	- 71 42 14.780 45	- 1.83	+ 56.02
4136	6909	FX		1 28 57.476 296	- 17 56 14.474 70	+ 70.95	- 4.62
2098	6971	BX		1 29 42.815 621	- 25 37 3.895 26	+ 38.99	+ 12.91
2099	7007	BX	μ Psc	1 30 11.114 320	+ 6 8 37.756 48	+ 291.95	- 46.06
4137	7064	FX		1 31 2.474 452	+ 39 29 40.606 79	+ 5.98	- 4.99

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2072	90.84	0.64	0.48	91.22	0.50	0.46	23.87	0.78	H	+ 13.5	6.23		28	2	
4103	91.48	0.61	0.50	91.45	0.54	0.46	2.84	0.89	H		7.69	1	21	2	
4104	91.37	0.81	0.59	91.51	0.62	0.55	4.03	0.97	H		6.71	1	35		
4105	90.96	0.88	0.72	91.14	0.64	0.52	4.37	0.99	H	- 10.	8.38		11	1	3
2076	91.47	0.74	0.77	91.38	0.62	0.63	4.39	1.00	H		7.34		11	1	3
2077	91.18	0.44	0.54	91.26	0.48	0.54	7.90	0.59	H	+ 88.3	6.41		11	1	3
2075	91.37	0.51	0.40	91.27	0.41	0.35	18.98	0.71	H	- 14.3	5.67		11	1	3
2074	91.32	0.38	0.38	91.29	0.44	0.48	10.26	0.57	H	+ 4.7	5.32		19	1	1
4107	91.28	0.56	0.50	91.31	0.52	0.45	4.17	0.80	H		6.60		31		
2079	91.32	0.78	0.75	91.23	0.60	0.64	7.92	0.85	H		6.49		11	1	3
2078	91.16	0.40	0.37	91.34	0.43	0.43	8.99	0.60	H	- 0.9	5.57		19	1	1
2081	91.29	0.51	0.56	91.14	0.52	0.60	16.15	0.60	H		7.17		11	1	3
2080	91.33	0.69	0.66	91.02	0.60	0.59	5.26	0.89	H		6.97		11	1	3
4108	91.40	0.92	0.66	91.52	0.71	0.63	10.93	1.14	H		7.69		11	1	3
4109	91.22	0.57	0.60	91.70	0.51	0.56	2.07	1.05	H		7.97		11	1	3
4110	91.61	0.62	0.64	90.94	0.52	0.61	9.13	0.91	H		8.23		11	1	3
2084	91.27	0.66	0.41	91.00	0.51	0.43	22.79	0.80	H	+ 25.5	5.70		39		
4111	91.34	0.74	0.51	91.13	0.56	0.48	7.47	0.95	H	+ 11.2	6.71		11	1	3
4112	91.18	0.79	0.78	90.94	0.52	0.61	3.17	0.91	H	+ 9.7	8.40	2	17		
2085	91.26	0.54	0.58	91.45	0.52	0.52	4.02	0.78	H	- 13.6	6.61		39		
2086	91.44	0.49	0.50	91.21	0.46	0.49	16.79	0.57	H		6.91		11	1	3
4113	91.36	0.58	0.61	91.40	0.57	0.61	1.69	0.67	H		7.93		11	1	3
4114	91.27	0.64	0.55	91.06	0.51	0.49	33.68	0.77	H	+ 8.5	6.52		31		
4115	91.21	0.59	0.58	91.15	0.60	0.56	3.46	0.84	H		8.23		31		
4116	91.18	0.54	0.55	91.20	0.55	0.63	3.83	0.65	H	+ 25.3	7.62		11	1	3
4117	91.07	0.70	0.79	90.89	0.59	0.62	18.88	1.15	H		8.41		11	1	3
4118	91.41	0.59	0.57	91.18	0.57	0.58	2.62	0.60	P		7.48	2	11	1	3
4119	91.22	0.88	0.70	91.23	0.76	0.70	4.79	1.20	H		9.25		11	1	3
4120	91.23	0.53	0.66	91.25	0.53	0.53	6.10	0.67	H		7.44		31		
4121	91.27	0.84	0.66	91.13	0.74	0.70	3.24	1.19	H		8.39		11	1	3
2088	91.15	0.65	0.59	91.10	0.52	0.50	8.53	0.83	H	- 10.4	6.16		11	1	3
4122	91.23	0.75	0.70	90.86	0.48	0.48	6.28	0.93	H	+ 8.1	6.84		11	1	3
4123	91.08	0.75	0.56	91.00	0.56	0.48	9.84	0.87	H	+ 7.4	7.25	1	11	1	3
4124	91.03	0.93	0.73	90.92	0.68	0.65	19.48	0.99	H	- 10.2	7.86		11	1	3
2089	91.03	0.73	0.47	90.88	0.49	0.41	9.49	0.82	H	- 35.6	5.23		19	1	1
4125	91.48	0.49	0.52	91.31	0.53	0.53	1.47	0.63	H		7.22	2	11	1	3
2091	91.17	0.74	0.52	90.82	0.45	0.47	3.89	0.82	H	- 15.7	6.21		19	1	1
2094	91.06	0.79	0.87	91.04	0.48	0.53	4.12	0.84	H	+ 0.4	7.05	2	13		
4127	91.26	0.66	0.60	91.54	0.56	0.51	1.86	0.86	H		7.63		11	1	3
4128	91.33	0.55	0.62	91.22	0.54	0.59	3.90	0.62	H		7.80		11	1	3
2095	91.35	0.39	0.44	91.23	0.42	0.42	13.22	0.64	H	+ 73.7	5.42		31		
4129	91.17	0.90	0.73	91.14	0.55	0.49	10.77	0.97	H		8.15		11	1	3
4130	91.34	0.64	0.60	91.05	0.52	0.45	5.05	0.87	H		7.66		11	1	3
4134	91.18	0.93	0.82	90.98	0.52	0.55	3.70	0.93	H		7.11		31		
4135	91.13	0.82	0.77	90.69	0.60	0.66	5.21	1.16	H		8.34		11	1	3
2097	91.42	0.53	0.53	91.20	0.51	0.56	10.48	0.60	H		7.26		31		
4136	91.25	0.70	0.67	91.12	0.50	0.45	12.90	0.90	H	+ 2.	6.66		11	1	3
2098	91.26	0.57	0.52	91.05	0.45	0.41	5.54	0.74	H		6.37		11	1	3
2099	91.25	0.66	0.40	91.01	0.42	0.33	9.05	0.73	H	+ 34.0	4.84	1	35		
4137	91.01	0.69	0.60	91.07	0.52	0.48	3.25	0.93	H		7.58		31		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2072	+ 0.02	+ 0.75	+ 0.95	- 0.78	+ 0.42	- 1.53	+ 1.62	+ 1.86	- 1.49	- 1.86
4103	- 1.44	+ 0.79	+ 1.52	- 8.15	- 2.14	+ 0.49	- 0.10	- 0.16	- 0.05	+ 0.97
4104	+ 0.18	- 0.37	- 0.73	- 4.44	+ 1.02	- 0.05	- 0.07	- 0.17	- 1.52	+ 0.14
4105	- 0.26	+ 0.47	+ 1.07	- 2.98	- 0.30	- 0.42	+ 0.29	+ 0.60	+ 2.19	- 1.24
2076	+ 0.58	- 0.28	- 0.72	+ 4.47	+ 0.56	+ 0.11	- 0.07	- 0.20	+ 1.77	- 0.24
2077	- 0.09	+ 0.01	+ 0.03	- 2.86	+ 0.45	- 1.53	+ 0.11	+ 0.28	- 4.06	- 3.87
2075	- 0.12	+ 0.17	+ 0.18	+ 0.99	- 0.89	+ 0.85	- 0.17	- 0.19	- 0.54	+ 1.68
2074	+ 0.21	- 0.06	- 0.08	+ 0.97	- 0.02	- 0.68	+ 0.15	+ 0.21	- 2.05	- 0.68
4107	+ 0.93	- 0.69	- 1.10	- 1.19	+ 1.79	+ 0.50	- 0.24	- 0.39	+ 0.18	+ 0.90
2079	- 0.06	+ 0.03	+ 0.05	- 0.73	+ 0.11	+ 0.22	- 0.10	- 0.16	+ 0.48	+ 0.32
2078	- 0.38	+ 0.28	+ 0.32	- 0.61	- 0.39	- 0.26	- 0.01	- 0.01	- 1.94	+ 0.07
2081	- 0.94	+ 0.13	+ 0.21	- 4.61	- 0.72	- 0.63	+ 0.08	+ 0.15	- 1.48	- 1.08
2080	- 0.40	+ 0.11	+ 0.25	- 2.15	- 0.45	- 0.07	+ 0.02	+ 0.05	+ 0.43	- 0.35
4108	- 0.40	+ 0.39	+ 0.53	- 2.87	- 0.14	+ 0.66	- 0.23	- 0.31	+ 0.04	+ 1.08
4109	+ 0.15	+ 0.01	+ 0.12	+ 2.35	+ 0.16	+ 0.78	- 0.16	- 0.56	- 1.47	+ 3.12
4110	+ 0.27	- 0.06	- 0.10	+ 0.12	+ 0.59	- 0.96	+ 0.24	+ 0.40	- 0.15	- 2.01
2084	+ 0.15	+ 0.09	+ 0.11	+ 1.05	- 0.21	- 0.42	+ 0.30	+ 0.34	- 3.33	+ 0.35
4111	+ 0.12	- 0.41	- 0.61	- 1.62	+ 0.58	+ 0.42	- 0.43	- 0.62	+ 2.41	+ 0.28
4112	- 0.21	+ 0.07	+ 0.24	- 1.46	- 0.34	+ 0.56	- 0.16	- 0.41	- 1.83	+ 2.36
2085	+ 0.84	- 0.30	- 0.57	- 0.91	+ 2.35	+ 1.06	- 0.11	- 0.30	+ 4.30	+ 2.30
2086	+ 0.42	- 0.04	- 0.06	+ 1.58	+ 0.39	- 0.17	+ 0.02	+ 0.03	+ 0.52	- 0.52
4113	+ 0.26	- 0.07	- 0.35	+ 2.47	+ 1.01	+ 0.55	- 0.14	- 0.63	+ 1.75	+ 2.53
4114	+ 0.95	- 0.30	- 0.32	+ 0.09	+ 1.27	- 2.60	+ 0.63	+ 0.75	- 5.22	- 2.57
4115	+ 1.40	- 0.33	- 0.83	+ 2.41	+ 3.89	+ 0.12	+ 0.03	+ 0.09	- 4.10	+ 1.48
4116	- 0.09	+ 0.05	+ 0.12	- 0.61	- 0.13	- 0.60	+ 0.23	+ 0.52	+ 0.51	- 1.63
4117	+ 0.24	- 0.27	- 0.40	+ 0.77	+ 0.28	+ 0.61	- 0.25	- 0.35	+ 4.10	+ 0.06
4118	+ 0.32	- 0.05	- 0.14	- 0.32	+ 1.41	+ 0.37	- 0.06	- 0.19	+ 4.82	+ 0.03
4119	- 0.06	+ 0.00	- 0.01	- 5.78	+ 0.62	- 0.23	+ 0.10	+ 0.22	+ 0.86	- 0.70
4120	- 0.44	+ 0.07	+ 0.18	+ 2.27	- 2.22	+ 1.61	- 0.22	- 0.45	+ 8.98	+ 1.71
4121	- 0.44	+ 0.71	+ 1.78	- 2.99	- 0.88	+ 0.15	+ 0.13	+ 0.52	- 1.95	+ 0.43
2088	+ 0.70	- 0.30	- 0.48	+ 0.87	+ 1.21	+ 0.36	- 0.16	- 0.26	+ 2.17	+ 0.28
4122	- 1.08	+ 0.39	+ 0.81	- 1.77	- 2.39	- 0.39	+ 0.14	+ 0.30	+ 0.79	- 1.30
4123	- 0.21	+ 0.15	+ 0.20	- 3.26	+ 0.18	+ 0.24	- 0.05	- 0.06	- 2.64	+ 0.64
4124	- 0.32	+ 0.55	+ 0.75	+ 0.02	- 0.51	- 0.20	+ 0.07	+ 0.08	- 0.58	- 0.20
2089	- 0.17	+ 0.42	+ 0.59	- 1.64	+ 0.34	- 0.25	+ 0.30	+ 0.37	- 1.68	+ 0.11
4125	- 0.19	+ 0.03	+ 0.15	- 1.29	- 0.68	+ 0.07	- 0.01	- 0.07	+ 0.31	+ 0.28
2091	- 0.20	+ 0.31	+ 0.53	- 0.75	- 0.17	+ 0.12	+ 0.02	+ 0.05	- 2.04	+ 0.85
2094	- 0.54	+ 0.36	+ 0.99	+ 0.14	- 1.98	+ 0.33	+ 0.00	+ 0.02	+ 5.94	- 0.37
4127	+ 0.33	- 0.19	- 0.51	- 3.49	+ 1.54	+ 0.39	- 0.09	- 0.25	+ 2.69	+ 0.84
4128	+ 0.45	- 0.07	- 0.19	+ 0.69	+ 1.31	- 0.50	+ 0.08	+ 0.20	+ 2.52	- 2.20
2095	- 0.19	+ 0.07	+ 0.08	+ 2.52	- 1.47	+ 0.11	- 0.03	- 0.04	+ 1.45	- 0.32
4129	+ 0.62	- 0.36	- 0.52	- 4.37	+ 1.72	- 1.23	+ 0.26	+ 0.31	- 0.58	- 1.76
4130	+ 0.65	- 0.28	- 0.50	- 2.66	+ 1.59	- 0.52	+ 0.09	+ 0.15	- 2.40	- 0.71
4134	- 0.93	+ 0.59	+ 1.70	- 2.26	- 2.84	- 0.06	+ 0.12	+ 0.37	- 3.77	+ 0.53
4135	+ 0.47	- 0.14	- 0.34	+ 3.62	+ 0.04	- 0.27	+ 0.00	- 0.04	- 1.24	- 0.25
2097	+ 1.90	- 0.21	- 0.39	+ 6.45	+ 2.83	+ 1.15	- 0.18	- 0.33	- 4.47	+ 3.81
4136	+ 1.71	- 0.53	- 0.81	+ 4.86	+ 2.20	- 0.23	- 0.08	- 0.12	+ 1.09	- 0.59
2098	+ 0.62	- 0.84	- 1.24	+ 0.20	+ 1.22	+ 0.04	- 0.10	- 0.15	- 1.71	+ 0.67
2099	- 0.56	+ 1.06	+ 1.28	- 0.29	- 0.78	+ 0.73	- 0.30	- 0.30	- 0.47	+ 1.12
4137	- 0.54	+ 0.46	+ 0.94	- 1.91	- 1.04	- 0.43	+ 0.06	+ 0.11	- 7.02	- 0.01

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TH	
2072	0.63	0.83	0.88	1.06	0.70	0.68	0.65	0.68	1.32	0.76	2.45	3.68	3.94	0.97	3.06	t
4103	0.70	0.57	0.63	2.58	0.89	0.71	0.50	0.54	2.72	0.92	3.65	3.58	1.10	2.23	0.88	
4104	0.67	0.84	1.03	2.12	0.77	0.72	0.68	0.78	2.52	0.85	1.63	1.36	0.76	2.50	0.48	t
4105	0.86	0.89	1.07	2.67	1.07	0.81	0.60	0.66	2.71	1.04	1.54	1.63	2.00	1.50	0.66	t
2076	1.05	0.84	0.94	2.85	1.52	1.14	0.65	0.68	3.01	2.08	1.83	0.72	0.93	1.33	0.88	t
2077	1.44	0.55	0.56	4.98	2.56	1.40	0.55	0.56	4.81	2.33	1.07	1.74	0.56	0.59	1.28	
2075	0.64	0.52	0.53	1.04	0.74	0.85	0.38	0.38	1.63	1.04	0.72	2.05	0.88	1.86	2.27	
2074	0.82	0.41	0.42	1.68	1.01	1.05	0.52	0.53	2.53	1.34	1.06	0.62	0.86	0.70	1.75	t
4107	0.70	0.60	0.65	2.66	0.82	0.75	0.50	0.53	2.93	0.92	0.19	2.99	0.77	1.10	0.53	
2079	0.91	1.01	1.16	2.09	1.11	1.00	0.73	0.78	2.31	1.32	0.43	0.31	2.13	0.36	0.74	
2078	0.56	0.48	0.50	1.14	0.63	0.73	0.51	0.53	1.83	0.84	1.28	0.88	0.19	1.01	0.75	t
2081	1.41	0.59	0.60	3.81	1.86	1.57	0.62	0.63	4.12	2.32	1.31	0.69	1.14	0.92	0.88	
2080	1.09	0.70	0.75	2.83	1.65	1.08	0.61	0.64	3.01	1.67	0.83	0.44	1.70	0.57	0.94	t
4108	0.82	0.96	1.07	2.29	0.92	0.96	0.76	0.82	2.62	1.15	1.18	1.36		1.16	0.60	
4109	0.83	0.63	0.70	3.90	1.23	0.85	0.58	0.63	4.12	1.39	2.43	0.60		1.18	1.06	
4110	1.22	0.68	0.71	3.15	1.71	1.14	0.65	0.68	3.02	1.55	0.19	1.47	1.86	0.56	0.53	
2084	0.57	0.74	0.77	1.09	0.56	0.65	0.63	0.65	1.42	0.70	2.55	0.35	3.07	2.55	0.59	t
4111	0.67	0.73	0.81	1.72	0.76	0.70	0.63	0.69	2.02	0.80	1.55	1.23	2.30	1.52	0.75	
4112	1.03	0.83	0.93	2.77	1.69	0.93	0.64	0.69	2.82	1.46	0.76	1.74	1.67	1.36	1.26	t
2085	0.91	0.62	0.67	2.73	1.24	1.03	0.54	0.56	3.41	1.68	1.34	2.56	1.76	1.21	0.73	t
2086	1.43	0.51	0.52	3.59	1.94	1.29	0.51	0.52	3.02	1.69	0.48	0.38	0.66	0.42	1.35	
4113	0.88	0.62	0.67	3.24	1.70	0.85	0.63	0.68	3.03	1.53	2.01	1.14		0.46	1.13	
4114	0.87	0.71	0.73	2.31	0.94	0.99	0.57	0.58	2.42	1.13	2.41	3.07	1.19	1.10	1.12	
4115	0.95	0.61	0.65	2.78	1.52	0.93	0.59	0.63	2.73	1.46	1.87	3.01	0.86	1.86	1.26	
4116	0.82	0.61	0.66	3.07	1.05	0.94	0.68	0.74	3.77	1.30	1.45	0.23		0.56	0.56	
4117	1.17	0.96	1.03	2.76	1.46	1.14	0.71	0.74	2.92	1.40	0.44	1.52		1.26	0.58	
4118	0.93	0.59	0.63	2.99	1.63	0.93	0.60	0.64	2.93	1.65	0.90	1.67		1.51	0.56	
4119	0.94	0.80	0.90	3.40	1.20	1.01	0.77	0.85	3.64	1.35	0.69	1.65		1.82	0.76	
4120	1.22	0.69	0.72	3.37	1.97	1.13	0.54	0.56	3.23	1.73	2.94	1.65	1.71	2.30	1.65	
4121	0.75	0.87	1.12	2.83	0.89	0.85	0.83	1.02	3.02	1.08	1.90	1.72		1.03	0.91	
2088	1.02	0.66	0.70	2.67	1.29	1.17	0.53	0.55	3.11	1.65	0.90	1.17	2.42	0.55	0.96	
4122	1.11	0.75	0.81	3.09	1.59	1.10	0.50	0.52	3.12	1.64	0.82	1.97	0.72	0.62	0.94	
4123	0.75	0.78	0.84	2.21	0.83	0.84	0.57	0.60	2.92	0.95	0.63	1.68		1.81	0.36	
4124	0.89	1.09	1.20	2.76	0.97	1.01	0.78	0.82	2.91	1.17	0.33	0.85	0.29	0.22	1.42	
2089	0.56	0.86	0.95	1.09	0.63	0.56	0.57	0.60	1.22	0.64	2.09	0.35	1.71	2.04	0.63	t
4125	0.78	0.53	0.56	2.66	1.52	0.77	0.54	0.58	2.54	1.42	0.55	0.56	1.78	0.20	0.54	
2091	0.61	0.73	0.86	1.24	0.77	0.75	0.54	0.58	1.81	1.00	1.35	0.98	0.87	1.45	0.59	t
2094	1.08	0.96	1.11	3.30	1.53	1.08	0.54	0.56	3.81	1.87	1.56	1.58	1.88	1.60	0.03	t
4127	0.75	0.66	0.76	2.83	1.03	0.75	0.54	0.59	2.93	1.12	1.41	1.87	1.98	1.77	0.38	
4128	1.04	0.64	0.68	3.44	1.66	1.03	0.62	0.65	3.44	1.66	0.71	1.61	1.44	1.25	1.02	
2095	1.00	0.47	0.48	2.04	1.28	0.93	0.46	0.47	2.02	1.15	1.38	1.17	2.70	1.82	3.14	
4129	0.93	0.98	1.10	2.72	1.08	0.91	0.57	0.61	2.81	1.06	2.47	1.34		2.12	1.03	
4130	0.90	0.67	0.72	3.45	1.12	0.86	0.48	0.50	3.62	1.08	0.93	1.75	1.22	1.26	1.00	
4134	1.04	0.91	1.05	3.08	1.50	1.01	0.57	0.61	3.31	1.65	2.50	1.71		1.17	0.65	t
4135	1.12	0.84	0.94	2.71	1.73	1.06	0.71	0.78	2.72	1.63	0.24	1.47		1.16	1.42	
2097	1.38	0.54	0.55	3.80	2.05	1.37	0.58	0.59	4.22	1.98	2.03	2.49	1.83	1.96	1.73	
4136	1.19	0.74	0.77	3.46	1.49	1.23	0.47	0.48	3.61	1.60	1.63	1.83	0.21	0.82	1.41	
2098	0.65	0.71	0.78	1.39	0.79	0.75	0.46	0.48	1.71	0.96	1.27	2.31	0.78	1.37	2.39	t
2099	0.49	0.69	0.74	1.09	0.53	0.51	0.44	0.45	1.22	0.55	1.18	3.35	0.95	1.26	1.32	t 3001
4137	0.75	0.71	0.82	2.82	0.91	0.80	0.52	0.55	3.02	1.08	1.63	2.53		2.20	1.78	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2100	7147	BX		1 32 7.577 698	+ 34 47 59.866 74	- 8.32	- 5.09
4138	7179	FX		1 32 31.504 370	+ 50 49 27.032 71	- 16.56	- 9.67
2103	7231	RS		1 33 13.029 200	- 79 55 35.704 86	+ 32.47	+ 10.82
4139	7253	FX		1 33 26.346 374	+ 54 56 41.521 37	- 0.98	- 0.97
4141	7283	FX		1 33 50.719 093	+ 89 0 56.304 07	+ 64.87	- 32.22
4142	7323	FX		1 34 18.364 419	- 27 21 47.197 93	+ 18.33	+ 20.02
4143	7382	FX		1 35 6.358 762	- 2 20 7.215 66	+ 25.13	- 0.24
2102	7399	RS		1 35 24.151 352	+ 53 20 44.059 40	+ 8.07	- 1.71
4144	7409	FX		1 35 29.916 282	- 42 19 32.772 96	- 7.91	- 9.57
2105	7443	RS		1 35 50.566 140	- 39 56 49.652 62	- 44.16	- 48.75
2104	7450	BX	50 Cet	1 35 58.969 154	- 15 24 0.661 12	+ 19.79	+ 13.24
4146	7514	FX		1 36 48.324 245	- 48 48 14.057 89	- 9.02	+ 30.44
4147	7542	FX		1 37 10.077 985	- 56 16 14.401 15	+ 8.97	- 3.64
2106	7549	RS		1 37 16.160 462	- 0 21 1.132 14	- 6.01	- 75.58
2111	7610	BX		1 38 3.723 932	- 46 5 1.755 93	+ 50.30	+ 15.13
4148	7615	FX		1 38 5.019 849	- 66 33 23.151 61	+ 7.69	+ 2.96
2108	7617	BX		1 38 7.567 331	+ 57 58 39.472 39	+ 3.29	- 5.62
2107	7625	RS		1 38 12.636 313	+ 62 21 6.414 42	- 7.68	- 0.13
2110	7658	BX		1 38 37.272 734	+ 21 23 53.596 47	+ 38.17	- 4.22
2113	7679	RS		1 38 51.788 741	- 21 16 31.385 56	+ 129.28	+ 36.87
4150	7861	FX		1 41 7.218 541	+ 23 1 31.050 60	+ 24.89	- 10.54
2116	7921	RS		1 41 47.967 789	- 60 47 21.619 36	+ 13.06	- 40.19
4151	7975	FX		1 42 26.916 718	+ 15 46 42.727 14	+ 30.61	- 4.65
4152	7983	FX		1 42 32.003 506	- 8 39 34.214 88	+ 51.43	+ 23.33
4153	7986	FX		1 42 35.766 713	- 20 10 21.238 72	+ 4.97	- 5.99
4154	8096	FX		1 43 56.100 334	+ 32 44 24.635 88	- 32.41	+ 27.74
4155	8118	FX		1 44 21.353 860	+ 53 11 20.785 17	- 3.96	- 1.22
4158	8204	FX		1 45 29.902 854	+ 44 48 22.942 32	- 12.93	+ 0.27
4159	8207	FX		1 45 33.354 785	+ 27 7 8.518 06	- 22.05	- 30.77
2117	8230	RS		1 45 59.260 442	- 5 43 59.878 02	- 9.10	- 29.82
2118	8241	BX		1 46 6.262 909	- 53 31 19.333 74	+ 126.41	+ 59.04
4160	8251	FX		1 46 12.958 629	- 46 56 52.067 09	- 75.16	- 60.66
4161	8278	FX		1 46 39.333 557	- 61 23 27.563 55	- 54.40	- 16.59
4162	8296	FX		1 46 58.357 512	- 13 53 19.371 16	+ 27.32	+ 9.27
4163	8306	FX		1 47 9.106 531	+ 10 50 39.258 37	+ 7.38	- 10.84
2119	8370	BX		1 47 48.013 917	+ 46 13 47.099 10	+ 13.19	- 55.49
2121	8404	RS		1 48 26.018 992	+ 3 41 7.613 63	- 8.30	+ 18.32
2120	8433	RS		1 48 41.562 764	+ 32 41 24.751 71	- 167.34	+ 296.96
4165	8454	FX		1 49 0.337 216	+ 1 19 53.501 53	+ 18.97	- 5.54
4166	8473	FX		1 49 14.714 838	+ 41 59 20.877 08	- 18.67	- 9.24
4168	8531	FX		1 50 1.032 391	- 6 42 59.938 54	+ 24.95	+ 33.62
2123	8593	BX		1 50 54.435 077	- 50 12 22.092 47	- 47.88	- 3.98
4169	8654	FX		1 51 32.253 605	+ 18 30 29.299 96	- 2.30	- 9.85
4170	8732	FX		1 52 21.706 947	- 39 24 59.048 14	+ 9.82	- 29.70
2125	8778	RS		1 52 52.112 596	- 16 55 45.302 32	+ 40.96	- 52.30
2126	8798	RS		1 53 6.198 143	- 1 19 37.006 13	- 187.84	- 350.53
2127	8820	RS		1 53 23.172 785	- 38 35 40.674 27	+ 128.71	+ 29.46
4171	8860	FX		1 53 59.063 227	+ 84 19 48.020 58	+ 42.86	+ 5.25
4172	8867	FX		1 54 6.117 356	+ 66 10 34.295 73	- 43.76	- 140.15
2128	8883	BX		1 54 22.149 090	+ 8 46 51.789 68	+ 8.94	+ 4.39

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2100	91.29	0.54	0.42	91.07	0.45	0.41	3.48	0.76	H	- 0.8	6.39		21	2	
4138	90.96	0.80	0.67	91.12	0.77	0.63	5.70	1.38	H		8.96		11	1	3
2103	91.20	0.46	0.47	91.17	0.50	0.55	3.69	0.54	H	- 12.3	7.21		11	1	3
4139	91.19	0.45	0.50	91.36	0.51	0.48	1.07	0.25	P	- 30.5	6.92	1	11	1	3
4141	91.30	0.42	0.45	91.36	0.45	0.46	10.15	0.49	H	- 10.0	6.46		13		
4142	91.35	0.57	0.65	91.02	0.54	0.54	5.33	0.94	H	- 12.	7.89	2	17		
4143	91.21	0.84	0.75	91.03	0.64	0.59	6.93	1.11	H		7.44		11	1	3
2102	91.13	0.50	0.48	91.63	0.49	0.46	3.89	0.76	H		6.86		35		
4144	91.17	0.78	0.78	91.10	0.85	0.74	5.59	1.25	H		9.35		31		
2105	91.10	0.31	0.34	91.06	0.46	0.44	26.54	0.68	H	+ 10.3	6.43		11	1	3
2104	91.23	0.63	0.48	91.07	0.46	0.40	5.94	0.73	H	+ 23.3	5.41		19	1	1
4146	91.09	0.46	0.54	91.12	0.51	0.51	6.42	0.69	H		6.85		11	1	3
4147	91.35	0.70	0.64	91.33	0.83	0.76	2.42	0.56	P		9.23		11	1	3
2106	91.25	0.79	0.71	91.03	0.57	0.60	11.31	0.93	H		7.08		21	2	
2111	91.28	0.50	0.50	91.25	0.58	0.53	5.66	0.78	H		6.97		31		
4148	91.30	0.55	0.54	91.16	0.58	0.66	1.16	0.67	H		7.65		11	1	3
2108	91.10	0.45	0.41	91.39	0.51	0.53	2.86	0.70	H	- 6.3	5.55		39		
2107	91.04	0.37	0.46	91.42	0.48	0.58	5.26	0.74	H	- 18.	6.72		11	1	3
2110	91.03	0.80	0.51	90.62	0.44	0.40	3.50	0.88	H		6.66		11	1	3
2113	91.17	0.64	0.65	90.95	0.48	0.51	14.21	0.77	H	+ 15.5	5.58		18		
4150	91.01	0.83	0.64	90.78	0.51	0.51	4.05	0.88	H		7.45		31		
2116	91.43	0.44	0.43	91.37	0.45	0.45	8.79	0.53	H	+ 2.0	5.70		11	1	3
4151	91.13	0.81	0.67	90.66	0.52	0.55	5.24	0.91	H		7.58		11	1	3
4152	91.22	0.71	0.66	91.23	0.69	0.63	5.41	0.93	H		6.99		31		
4153	91.23	0.70	0.69	91.18	0.61	0.61	3.00	0.92	H	+ 25.	7.18	1	31		
4154	91.25	0.77	0.69	91.10	0.57	0.53	9.12	1.00	H		8.48		11	1	3
4155	91.02	0.58	0.63	91.10	0.69	0.69	1.66	1.06	H		8.27		15	1	3
4158	91.26	0.86	0.70	90.95	0.61	0.57	8.55	1.12	H	- 6.0	8.77		11	1	3
4159	91.14	0.92	0.80	91.27	0.56	0.61	6.18	1.01	H		8.40		11	1	3
2117	91.20	0.60	0.56	90.91	0.46	0.51	6.40	0.78	H	+ 10.8	5.37	1	19	1	1
2118	91.32	0.45	0.52	91.26	0.51	0.47	17.54	0.62	H	+ 9.5	5.04		11	1	3
4160	91.34	0.77	0.81	91.36	1.00	0.91	12.68	1.23	H		9.35	2	31		
4161	91.26	0.53	0.57	91.34	0.62	0.62	7.93	0.69	H		7.69		21	2	
4162	91.32	0.71	0.56	90.97	0.53	0.50	10.08	0.86	H		6.70		31		
4163	91.36	0.79	0.64	91.15	0.55	0.46	3.86	0.90	H	+ 10.	7.05		11	1	3
2119	91.75	0.60	0.51	91.08	0.47	0.43	17.15	0.78	H	- 3.1	6.33		11	1	3
2121	91.18	0.74	0.67	90.85	0.57	0.53	9.95	0.89	H	+ 2.6	5.91		19	1	1
2120	91.19	0.59	0.57	91.13	0.47	0.54	36.65	0.73	H	- 26.5	5.78		29	2	
4165	91.52	0.85	0.70	91.34	0.61	0.46	10.29	0.99	H	+ 8.5	7.37		11	1	3
4166	91.02	0.81	0.63	90.74	0.56	0.56	6.26	1.10	H		8.69		31		
4168	91.19	0.83	0.81	91.11	0.74	0.68	6.93	1.11	H		8.73		11	1	3
2123	91.26	0.45	0.47	91.22	0.51	0.51	13.37	0.64	H	+ 8.2	5.94	1	11	1	3
4169	90.81	0.98	0.82	91.39	0.78	0.70	7.04	1.08	H		8.30		11	1	3
4170	91.41	0.44	0.53	91.32	0.60	0.55	2.86	0.91	H		7.83		21	2	
2125	91.25	0.64	0.62	91.14	0.59	0.62	9.87	0.79	H	- 4.3	5.78	1	11	1	3
2126	91.43	0.89	0.81	90.96	0.63	0.57	26.56	1.06	H	- 17.1	7.43		11	1	3
2127	91.05	0.38	0.40	91.27	0.49	0.44	8.62	0.72	H	+ 21.8	6.09		11	1	3
4171	91.25	0.69	0.59	91.15	0.78	0.73	7.04	0.89	H		8.90		11	1	3
4172	91.30	0.66	0.64	91.20	0.80	0.76	45.16	1.09	H		8.47		11	1	3
2128	91.01	0.81	0.46	91.30	0.87	0.49	1.33	1.06	H		6.60		33		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2100	+ 0.54	- 0.90	- 1.34	- 1.26	+ 1.78	+ 0.03	- 0.14	- 0.23	+ 3.23	- 1.06
4138	+ 0.08	- 0.07	- 0.12	+ 0.55	+ 0.07	- 0.27	+ 0.27	+ 0.45	+ 0.17	- 0.53
2103	- 0.04	+ 0.01	+ 0.04	+ 4.51	- 1.80	- 0.83	+ 0.08	+ 0.27	+ 2.28	- 4.43
4139	+ 0.08	- 0.04	- 0.13	+ 3.52	- 0.04	+ 0.11	- 0.03	- 0.12	+ 3.29	+ 0.14
4141	+ 0.10	+ 0.02	+ 0.04	+ 2.52	- 0.24	+ 0.72	- 0.16	- 0.22	+ 3.47	+ 0.68
4142	- 1.22	+ 0.24	+ 0.60	- 3.46	- 2.85	- 0.31	+ 0.09	+ 0.23	- 2.99	- 0.08
4143	+ 0.67	- 0.26	- 0.46	+ 1.59	+ 1.03	- 1.10	+ 0.24	+ 0.39	- 5.72	- 0.75
2102	- 1.49	+ 0.39	+ 0.72	- 0.34	- 3.36	- 0.43	- 0.04	- 0.06	+ 0.39	- 1.28
4144	- 0.45	+ 0.41	+ 0.94	- 0.98	- 1.13	+ 0.75	- 0.54	- 1.15	+ 5.54	+ 0.27
2105	- 1.56	+ 0.14	+ 0.17	- 0.54	- 2.55	+ 1.03	- 0.16	- 0.20	- 0.53	+ 2.07
2104	+ 0.63	- 0.49	- 0.65	+ 2.03	+ 0.45	- 1.09	+ 0.23	+ 0.29	- 1.93	- 1.29
4146	+ 0.75	- 0.20	- 0.34	+ 2.25	+ 1.08	- 0.29	+ 0.07	+ 0.13	- 1.05	- 0.37
4147	- 0.43	+ 0.09	+ 0.35	+ 0.16	- 2.08	- 0.62	+ 0.16	+ 0.73	- 1.62	- 3.17
2106	- 0.50	- 0.05	- 0.24	- 1.69	- 0.56	+ 4.44	- 0.45	- 0.91	+ 7.61	+ 9.18
2111	+ 1.79	- 0.32	- 0.58	+ 4.12	+ 2.99	+ 0.41	- 0.06	- 0.10	+ 0.79	+ 0.66
4148	- 0.19	+ 0.03	+ 0.18	- 3.39	- 0.85	- 0.23	+ 0.05	+ 0.35	- 1.54	- 1.64
2108	+ 0.39	- 0.19	- 0.31	+ 2.90	- 0.32	- 0.07	+ 0.04	+ 0.08	- 0.30	- 0.12
2107	+ 0.58	- 0.16	- 0.30	+ 2.30	+ 0.73	- 0.25	+ 0.16	+ 0.32	+ 1.42	- 1.18
2110	+ 0.16	- 0.99	- 2.17	- 1.14	+ 1.18	+ 0.24	- 0.05	- 0.02	+ 1.95	- 0.41
2113	- 0.23	+ 0.17	+ 0.24	- 0.01	- 0.52	- 0.82	+ 0.19	+ 0.26	- 0.93	- 1.29
4150	+ 0.67	- 1.10	- 2.23	+ 0.56	+ 1.50	- 0.49	+ 0.18	+ 0.34	- 6.09	- 0.04
2116	+ 1.12	- 0.17	- 0.25	+ 1.91	+ 1.66	+ 1.35	- 0.22	- 0.33	+ 1.40	+ 2.25
4151	+ 0.23	- 0.40	- 0.76	+ 1.73	+ 0.24	- 0.62	+ 0.30	+ 0.45	- 1.29	- 0.96
4152	+ 0.16	- 0.33	- 0.77	+ 8.73	- 1.10	+ 2.02	- 0.56	- 1.22	+ 4.77	+ 4.25
4153	+ 0.16	- 0.08	- 0.29	+ 6.85	- 0.84	+ 0.69	- 0.14	- 0.46	+ 5.86	+ 1.36
4154	- 0.60	+ 0.29	+ 0.45	- 3.28	- 0.55	+ 1.45	- 0.36	- 0.52	+ 5.76	+ 1.52
4155	+ 0.07	- 0.03	- 0.07	- 3.01	+ 0.48	- 0.33	+ 0.14	+ 0.60	- 3.61	- 1.22
4158	- 0.67	+ 0.58	+ 0.94	- 5.49	- 0.36	+ 0.43	- 0.23	- 0.36	+ 2.55	+ 0.33
4159	- 0.21	+ 0.27	+ 0.57	- 1.84	- 0.27	- 0.61	+ 0.21	+ 0.40	- 0.56	- 1.27
2117	+ 0.13	- 0.01	+ 0.01	+ 0.30	+ 0.14	- 0.48	+ 0.07	+ 0.13	- 3.29	- 0.03
2118	- 0.15	+ 0.03	+ 0.04	- 1.78	+ 0.52	+ 0.01	+ 0.00	+ 0.00	+ 0.05	- 0.01
4160	+ 1.11	- 0.30	- 0.51	+ 6.42	- 0.05	+ 0.73	- 0.41	- 0.68	+ 4.37	+ 0.15
4161	+ 2.41	- 0.57	- 0.95	+ 2.20	+ 4.59	+ 0.21	- 0.09	- 0.15	- 1.53	+ 0.93
4162	- 0.11	+ 0.15	+ 0.19	+ 5.56	- 0.83	+ 0.06	+ 0.00	+ 0.00	+ 2.47	- 0.23
4163	- 0.32	+ 0.20	+ 0.40	- 3.21	- 0.21	+ 0.59	- 0.13	- 0.21	- 0.69	+ 1.22
2119	+ 0.39	- 0.30	- 0.35	- 0.62	+ 0.96	+ 0.31	- 0.03	- 0.03	- 0.60	+ 0.85
2121	+ 0.22	- 0.53	- 0.87	+ 0.14	+ 0.51	+ 0.79	- 0.40	- 0.64	+ 0.29	+ 1.53
2120	- 0.73	+ 0.51	+ 0.61	- 0.96	- 0.87	- 0.43	+ 0.32	+ 0.39	+ 1.03	- 1.81
4165	- 0.04	+ 0.37	+ 0.60	- 1.32	+ 0.20	- 1.65	+ 0.38	+ 0.56	- 4.17	- 1.85
4166	+ 0.44	- 0.36	- 0.59	- 7.21	+ 1.42	- 0.80	+ 0.24	+ 0.41	- 5.72	- 0.90
4168	- 0.48	+ 0.04	+ 0.07	- 4.85	+ 0.45	+ 0.97	- 0.17	- 0.35	+ 3.52	+ 1.50
2123	+ 0.47	- 0.06	- 0.09	+ 2.52	- 0.14	+ 1.03	- 0.24	- 0.32	+ 4.27	+ 0.45
4169	- 0.28	+ 0.45	+ 0.89	- 2.06	- 0.32	- 0.41	+ 0.43	+ 0.72	+ 1.82	- 1.10
4170	+ 2.34	- 0.31	- 1.01	+ 8.74	+ 7.60	- 0.60	+ 0.12	+ 0.36	- 5.64	- 0.95
2125	- 0.41	+ 0.27	+ 0.40	- 0.29	- 0.74	- 0.46	+ 0.23	+ 0.36	- 0.18	- 0.92
2126	- 0.27	+ 0.71	+ 1.03	- 3.77	+ 0.42	- 1.17	+ 0.63	+ 0.85	- 2.63	- 0.91
2127	+ 0.23	- 0.03	- 0.04	- 0.01	+ 0.49	- 0.06	+ 0.02	+ 0.02	+ 0.46	- 0.32
4171	+ 0.39	- 0.17	- 0.26	+ 3.33	+ 0.19	+ 0.53	- 0.26	- 0.48	- 1.76	+ 1.45
4172	+ 1.03	- 0.93	- 1.17	+ 0.95	+ 1.32	- 0.20	+ 0.70	+ 0.94	+ 0.21	- 0.43
2128	- 0.14	+ 0.28	+ 0.35	- 1.00	- 0.13	+ 0.25	- 0.61	- 2.07	+ 2.05	+ 0.40

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
2100	0.52	0.59	0.66	1.03	0.65	0.64	0.47	0.50	1.42	0.84	2.30	3.54	2.73	3.60	1.60	
4138	0.80	0.90	1.05	2.43	0.94	0.80	0.81	0.91	2.73	0.94	0.77	0.27		0.30	0.60	
2103	1.13	0.47	0.48	4.25	2.48	1.12	0.55	0.57	4.42	2.17	1.14	2.21	2.09	1.87	0.42	
4139	0.63	0.53	0.61	2.89	0.92	0.64	0.50	0.55	3.33	0.99	1.60	0.25	0.96	1.48	0.42	
4141	0.84	0.51	0.53	2.61	0.96	0.96	0.50	0.52	3.26	1.13	1.46	0.75	1.17	1.28	1.01	t
4142	1.16	0.67	0.71	3.09	1.93	1.10	0.56	0.58	3.21	1.75	1.61	1.68	1.05	0.81	1.23	t
4143	1.02	0.88	0.98	2.59	1.34	1.01	0.65	0.70	2.62	1.37	1.23	2.40		1.69	0.72	
2102	0.85	0.51	0.54	2.71	1.15	1.02	0.47	0.49	3.71	1.67	0.40	3.30	1.56	1.10	1.46	t
4144	1.06	0.89	1.00	2.50	1.52	1.00	0.85	0.95	2.42	1.38	2.64	1.36	1.82	1.89	1.32	
2105	1.20	0.35	0.35	2.55	1.49	1.23	0.46	0.47	2.61	1.56	0.30	2.25	0.76	1.09	1.64	
2104	0.62	0.68	0.75	1.33	0.73	0.69	0.48	0.51	1.72	0.82	2.22	2.14	2.38	1.10	0.90	t
4146	0.99	0.58	0.61	2.81	1.33	1.02	0.54	0.56	2.73	1.42	0.99	1.02	0.63	0.44	1.28	
4147	0.97	0.66	0.70	3.70	1.72	1.04	0.78	0.85	3.53	1.91	0.65	2.28	1.82	0.67	0.87	
2106	1.14	0.81	0.86	4.06	1.34	1.45	0.63	0.65	4.50	2.14	1.91	4.54	4.86	0.41	4.47	
2111	1.00	0.52	0.54	2.52	1.45	0.95	0.57	0.60	2.32	1.34	1.86	2.38	3.33	0.39	1.37	
4148	0.78	0.54	0.57	3.71	1.72	0.85	0.67	0.73	3.64	1.75	1.08	1.19	0.27	0.62	0.77	
2108	0.61	0.47	0.50	1.31	0.84	0.80	0.57	0.61	2.03	1.20	2.29	0.15	2.49	2.07	0.74	t
2107	0.91	0.49	0.52	2.60	1.21	1.07	0.62	0.66	3.12	1.58	1.05	1.12	2.38	0.92	1.83	
2110	0.55	0.91	1.23	1.03	0.68	0.60	0.47	0.50	1.21	0.81	1.66	2.40	1.74	2.48	1.09	
2113	1.11	0.74	0.77	2.26	1.45	1.14	0.55	0.56	2.31	1.55	0.51	1.03	0.16	0.23	1.85	t
4150	0.74	0.86	1.03	2.66	0.86	0.84	0.55	0.58	2.71	1.13	2.51	2.79	0.98	2.09	1.36	
2116	1.06	0.45	0.46	2.45	1.44	1.05	0.47	0.48	2.62	1.40	1.08	2.15	0.41	0.30	1.16	
4151	0.75	0.99	1.23	2.35	0.86	0.81	0.64	0.70	2.92	0.98	1.12	1.41	2.36	0.61	1.21	
4152	1.05	0.72	0.78	3.29	1.48	1.07	0.67	0.72	3.41	1.54	3.26	3.26	2.60	2.73	3.10	
4153	1.00	0.72	0.79	3.41	1.60	1.00	0.63	0.67	3.41	1.77	2.72	1.02	0.82	2.35	0.10	
4154	0.97	0.82	0.89	3.07	1.16	0.99	0.58	0.60	3.02	1.23	1.66	2.36		1.54	2.11	
4155	0.77	0.68	0.79	3.72	1.07	0.86	0.73	0.83	4.52	1.30	1.26	1.20		1.04	0.79	t
4158	0.94	0.87	0.95	2.81	1.12	0.95	0.64	0.67	2.82	1.16	1.00	2.38		1.84	1.19	
4159	1.00	0.97	1.12	3.23	1.24	1.04	0.66	0.70	3.21	1.41	1.15	0.76		0.50	1.09	
2117	0.86	0.66	0.71	1.97	1.10	1.03	0.56	0.59	2.61	1.48	1.29	0.15	1.72	1.09	0.31	t
2118	1.09	0.57	0.58	2.17	1.38	1.02	0.51	0.52	2.12	1.25	0.81	0.32	0.45	0.89	0.85	
4160	1.32	0.89	0.95	2.92	1.89	1.24	1.09	1.20	2.83	1.64	2.83	0.48	2.25	2.26	0.71	
4161	1.08	0.61	0.63	2.80	1.47	1.10	0.67	0.70	2.84	1.51	1.20	3.52	2.22	1.08	1.32	
4162	0.76	0.76	0.81	2.52	0.84	0.78	0.61	0.64	2.52	0.87	2.22	0.88	0.25	2.61	1.49	
4163	0.79	0.79	0.92	2.54	0.98	0.79	0.51	0.55	2.91	1.01	1.34	1.38	1.51	1.27	0.69	
2119	0.83	0.65	0.67	1.59	0.94	0.92	0.48	0.49	1.72	1.15	0.36	1.37	1.25	1.10	2.11	
2121	0.92	0.88	0.98	2.12	1.10	1.02	0.63	0.68	2.41	1.32	0.55	1.59	1.94	0.48	0.26	t
2120	0.99	0.71	0.73	1.66	1.17	1.06	0.62	0.64	1.71	1.43	0.95	1.70	1.39	1.27	4.06	t
4165	0.93	0.89	0.98	2.15	1.15	1.01	0.52	0.54	2.52	1.28	1.74	1.98		1.03	0.51	
4166	0.86	0.77	0.84	3.49	1.00	0.98	0.61	0.64	3.72	1.26	1.79	2.46		2.67	1.26	
4168	1.25	0.87	0.95	3.16	1.91	1.21	0.72	0.77	3.12	1.87	0.92	1.95		1.54	0.81	
2123	1.10	0.50	0.51	2.32	1.43	1.07	0.56	0.57	2.42	1.36	2.15	0.52	1.25	1.69	0.52	t
4169	0.95	1.09	1.30	2.73	1.14	0.89	0.88	0.99	2.72	1.05	1.44	1.05		1.16	1.41	
4170	0.97	0.54	0.56	3.62	1.73	0.93	0.57	0.60	3.32	1.55	4.79	3.20		1.31	3.11	
2125	1.00	0.72	0.76	2.32	1.24	1.07	0.69	0.73	2.61	1.39	0.34	1.09	1.34	0.30	1.74	t
2126	1.24	1.04	1.13	2.87	1.42	1.02	0.71	0.75	1.91	1.29	2.21	1.18	0.68	1.50	1.14	
2127	1.03	0.41	0.42	2.25	1.43	1.04	0.46	0.47	2.31	1.44	0.19	0.42	1.43	0.34	0.65	
4171	0.90	0.68	0.72	2.83	1.09	1.06	0.83	0.90	3.38	1.37	1.24	1.28		1.36	0.97	
4172	0.97	0.84	0.89	3.05	1.04	1.11	1.00	1.07	3.44	1.23	0.69	1.87	1.29	0.21	0.75	
2128	0.48	0.70	1.17	1.09	0.58	0.52	0.69	1.10	1.22	0.64	2.90	2.24	1.79	1.39	0.71	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4173	8976	FX		1 55 41.975485	- 84 45 4.16459	+ 16.43	+ 3.09
2134	8991	BX	σ Hyi	1 55 50.548413	- 78 20 54.77196	+ 103.07	+ 53.34
2130	8993	RS	7 Ari	1 55 51.039287	+ 23 34 38.35614	+ 11.39	- 9.06
4174	9025	FX		1 56 14.650680	- 18 37 3.05097	- 16.17	+ 1.18
2131	9061	RS	56 Cet	1 56 40.197753	- 22 31 36.42180	+ 61.86	- 29.73
4175	9068	FX		1 56 44.343732	+ 46 31 26.03595	+ 2.88	- 7.83
4176	9090	FX		1 57 5.754174	+ 24 44 9.73918	+ 64.42	+ 5.34
4178	9171	FX		1 58 3.771726	+ 31 8 3.76966	- 44.14	- 45.81
2136	9295	BX		1 59 25.884867	+ 12 17 41.52273	+ 7.31	- 37.12
4179	9305	FX		1 59 34.164541	+ 55 42 52.95820	+ 19.57	- 14.11
2137	9318	BX		1 59 41.128370	- 66 3 59.61216	+ 33.84	+ 5.88
4180	9348	FX		2 0 0.819244	- 29 3 37.09657	+ 33.19	+ 8.66
3974	9386	BX		2 0 37.354413	- 82 30 30.92560	- 0.08	- 11.32
2138	9459	RS	χ Phe	2 1 42.376394	- 44 42 48.63309	- 31.64	- 48.89
2144	9472	RS		2 1 52.326738	- 74 26 44.62408	+ 1.33	- 15.30
4182	9479	FX		2 1 56.612793	- 16 34 7.77678	+ 22.51	- 3.91
4183	9492	FX		2 2 7.177028	+ 22 6 14.76241	+ 7.29	- 51.52
4184	9495	FX		2 2 10.727638	- 45 50 7.96204	+ 54.39	- 3.31
4185	9528	FX		2 2 32.914460	- 59 50 37.32828	+ 18.88	- 28.90
4186	9546	FX		2 2 41.392021	+ 3 50 50.57444	+ 0.77	+ 8.85
2140	9562	BX		2 2 51.735460	- 23 53 11.86186	- 39.74	- 31.97
2141	9572	RS		2 2 58.569027	- 15 18 21.35469	+ 25.55	+ 7.40
2142	9589	BX	60 Cet	2 3 11.650403	+ 0 7 42.62055	+ 76.66	+ 21.26
2143	9622	RS		2 3 40.488500	- 4 6 12.65791	+ 6.98	- 62.58
4188	9777	FX		2 5 43.555089	+ 17 38 59.88611	- 13.39	- 27.77
4189	9791	FX		2 5 55.050356	+ 5 18 20.10914	+ 0.58	- 2.57
4190	9812	FX		2 6 14.363870	- 39 32 20.02961	+ 0.64	- 10.63
4192	9875	FX		2 7 2.542086	- 8 36 22.89456	+ 55.46	- 21.38
4193	9919	FX		2 7 40.580513	- 33 27 14.88395	+ 9.11	+ 23.22
4194	9923	FX		2 7 43.853149	- 57 11 40.77012	- 9.07	- 51.10
4195	9952	FX		2 8 7.243830	+ 11 11 25.73958	+ 9.08	+ 5.15
4196	9955	FX		2 8 8.664088	- 27 34 16.69044	+ 60.38	+ 6.14
4197	9956	FX		2 8 10.682023	+ 69 52 52.40450	- 13.88	+ 2.06
2145	9977	BX	58 And	2 8 29.260246	+ 37 51 32.68011	+ 154.84	- 43.43
4198	10029	FX		2 9 4.758048	- 22 59 24.16454	+ 17.70	+ 4.94
3943	10054	RS		2 9 25.312246	+ 81 17 45.40383	- 34.23	+ 7.13
2147	10069	RS		2 9 34.801213	- 24 20 44.82766	- 31.29	- 42.18
4199	10094	FX		2 9 46.558167	+ 13 10 32.99399	- 10.44	+ 2.55
4200	10105	FX		2 9 59.496335	- 72 29 42.49847	+ 8.09	+ 5.02
2146	10115	RS		2 10 7.750878	+ 53 50 35.12823	+ 26.00	- 45.25
2154	10137	BX		2 10 24.228706	- 76 37 25.33714	+ 117.21	+ 10.46
4201	10152	FX		2 10 35.329451	- 35 30 36.56073	- 8.10	+ 0.62
4202	10167	FX		2 10 45.571929	- 12 55 35.93143	- 8.48	- 8.33
2150	10215	RS		2 11 22.226719	- 10 3 7.77947	- 26.84	- 170.72
2148	10220	BX	5 Tri	2 11 25.022733	+ 31 31 35.02788	+ 35.23	- 10.62
2151	10234	RS	63 Cet	2 11 35.835333	- 1 49 31.54410	- 10.66	- 33.02
2152	10254	RS		2 11 54.306357	- 47 10 13.30370	- 16.63	- 42.72
2149	10350	RS		2 13 21.145465	+ 74 1 39.79323	+ 47.25	- 37.01
4204	10355	FX		2 13 29.319985	+ 40 47 24.72795	+ 18.31	- 16.70
4205	10433	FX		2 14 26.423064	+ 68 7 38.50153	- 15.32	+ 3.09

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4173	91.30	0.42	0.46	91.32	0.50	0.54	2.33	0.54	H		6.97	2	11	1	3
2134	91.33	0.44	0.46	91.35	0.48	0.53	24.20	0.51	H	+ 6.	6.15		11	1	3
2130	90.94	0.73	0.59	91.37	0.52	0.56	6.25	0.83	H	+ 13.6	5.76		31		
4174	91.16	0.87	0.96	91.55	0.64	0.69	4.95	1.21	H		8.78		11	1	3
2131	91.42	0.62	0.56	91.51	0.47	0.49	8.18	0.85	H	+ 26.7	4.92		21	2	
4175	91.51	1.15	0.83	91.14	0.62	0.55	2.42	1.23	H		8.74		15	1	3
4176	91.52	1.23	1.02	91.59	0.69	0.78	6.07	1.25	H		8.88		11	1	2
4178	91.19	0.71	0.59	91.42	0.59	0.54	5.80	0.93	H	- 45.3	6.94	2	13		
2136	91.02	0.81	0.41	91.81	0.63	0.48	12.12	1.11	H	- 14.	6.09		28	2	
4179	91.07	0.61	0.59	90.91	0.64	0.66	2.82	0.91	H		7.82		11	1	3
2137	91.42	0.43	0.42	91.27	0.44	0.46	7.62	0.51	H	+ 5.	6.09		11	1	3
4180	91.61	0.85	0.86	91.38	0.90	0.79	5.60	0.77	P		9.28		11	1	3
3974	91.17	0.60	0.63	91.25	0.64	0.77	5.53	0.70	H		8.05		11	1	3
2138	91.42	0.43	0.45	91.38	0.45	0.47	8.76	0.64	H	- 30.6	5.15		11	1	3
2144	91.40	0.51	0.55	91.35	0.55	0.59	1.44	0.60	H		6.80	2	33		
4182	91.05	0.76	0.75	91.21	0.66	0.65	5.10	1.09	H		7.71		11	1	3
4183	90.87	0.77	0.69	91.31	0.59	0.60	18.56	0.95	H	- 19.2	7.21		11	1	3
4184	91.32	0.51	0.53	91.50	0.60	0.61	14.85	0.80	H		7.71		11	1	3
4185	91.33	0.70	0.76	91.22	0.79	0.86	4.74	0.88	H		9.03		11	1	3
4186	91.68	1.11	0.72	91.90	0.68	0.75	4.88	1.52	H		8.97		11	1	3
2140	91.12	0.63	0.47	91.16	0.46	0.40	3.40	0.83	H		6.30		11	1	3
2141	91.06	0.68	0.66	91.23	0.50	0.50	9.91	0.88	H	+ 5.9	5.87		19	1	1
2142	91.40	0.73	0.47	91.50	0.47	0.41	11.31	0.85	H	+ 13.	5.42		31		
2143	91.32	0.70	0.59	91.48	0.42	0.44	4.98	0.81	H	+ 24.5	5.61	1	39		
4188	91.07	0.94	0.62	91.55	0.71	0.62	9.74	1.13	H		8.20		31		
4189	90.86	1.16	0.71	91.78	0.60	0.73	6.33	1.58	H		8.67		21	2	
4190	91.21	0.41	0.45	91.34	0.54	0.50	2.45	0.73	H		7.08	2	33		
4192	91.53	0.68	0.69	91.35	0.45	0.44	4.50	0.87	H		6.64		11	1	3
4193	91.24	0.80	0.89	91.11	0.74	0.73	7.87	1.12	H		9.21		11	1	3
4194	91.18	0.59	0.59	91.26	0.67	0.66	3.97	0.76	H		7.88		11	1	3
4195	91.00	0.88	0.58	91.55	0.58	0.53	3.82	0.97	H		7.75		31		
4196	91.35	0.51	0.53	91.36	0.55	0.48	9.43	0.80	H		7.23		11	1	3
4197	91.25	0.64	0.64	91.11	0.75	0.69	3.62	1.03	H		8.30		13		
2145	91.26	0.58	0.40	91.37	0.48	0.45	16.48	0.80	H	+ 7.6	4.78		13		
4198	91.50	0.66	0.60	91.33	0.60	0.56	1.84	0.85	H		7.27		11	1	3
3943	91.36	0.42	0.38	91.25	0.43	0.44	14.61	0.52	H	- 9.0	6.05		19	1	1
2147	91.27	0.66	0.61	91.33	0.56	0.56	16.07	0.83	H	+ 19.9	6.48		11	1	3
4199	91.22	0.86	0.72	91.43	0.56	0.55	6.33	0.89	H	+ 22.2	7.73		11	1	3
4200	91.23	0.55	0.60	91.19	0.60	0.64	3.08	0.64	H		8.40		11	1	3
2146	91.10	0.43	0.44	91.02	0.40	0.43	5.53	0.66	H	+ 12.0	6.31		11	1	3
2154	91.39	0.43	0.39	91.19	0.44	0.45	12.15	0.50	H		6.66		31		
4201	91.41	0.56	0.62	91.05	0.59	0.62	2.99	0.94	H		7.80		11	1	3
4202	90.92	0.60	0.60	90.85	0.53	0.48	8.05	0.85	H		7.42		31		
2150	91.44	0.72	0.73	91.11	0.60	0.56	20.00	0.94	H	+ 11.4	6.00		11	1	3
2148	91.32	0.68	0.64	91.17	0.51	0.56	6.76	0.83	H	+ 7.7	6.24		18		
2151	91.42	0.68	0.61	91.48	0.51	0.51	9.20	0.83	H	+ 31.6	5.94		11	1	3
2152	91.30	0.49	0.52	91.53	0.55	0.57	1.97	0.71	H		6.82		11	1	3
2149	91.39	0.42	0.43	91.26	0.44	0.50	7.44	0.58	H	- 37.0	6.25		19	1	1
4204	91.11	0.62	0.58	91.43	0.51	0.57	9.79	0.85	H		7.37		11	1	3
4205	90.99	0.55	0.55	90.94	0.64	0.66	6.41	0.88	H		8.08		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4173	+ 0.09	- 0.01	- 0.02	+ 0.27	+ 0.18	- 0.34	+ 0.12	+ 0.31	+ 0.82	- 1.18
2134	+ 0.27	- 0.05	- 0.06	+ 0.14	+ 0.44	+ 1.30	- 0.22	- 0.29	+ 6.07	+ 0.01
2130	- 0.24	+ 0.39	+ 0.67	- 1.91	+ 0.43	- 0.12	+ 0.10	+ 0.18	- 2.69	+ 1.02
4174	- 0.25	+ 0.12	+ 0.36	+ 0.17	- 1.20	+ 0.30	- 0.08	- 0.20	- 0.77	+ 1.13
2131	- 1.04	+ 0.28	+ 0.36	- 1.44	- 1.40	+ 1.71	- 0.33	- 0.46	+ 0.89	+ 2.82
4175	+ 0.22	- 0.39	- 1.81	+ 1.02	+ 0.74	+ 0.60	- 0.14	- 0.10	+ 2.86	+ 1.15
4176	+ 0.05	+ 0.05	+ 0.31	+ 0.46	- 0.02	+ 0.76	- 0.73	- 1.48	+ 5.34	+ 0.91
4178	- 1.03	+ 0.69	+ 1.10	- 4.41	- 1.36	+ 0.43	- 0.12	- 0.15	- 0.93	+ 0.73
2136	+ 0.09	+ 0.23	+ 0.59	- 1.51	+ 0.80	- 1.16	+ 2.84	+ 3.70	- 3.13	- 0.91
4179	+ 0.06	- 0.04	- 0.10	- 4.98	+ 0.67	- 0.23	+ 0.15	+ 0.38	+ 1.14	- 0.77
2137	- 0.61	+ 0.11	+ 0.16	- 0.58	- 1.06	- 0.86	+ 0.22	+ 0.32	+ 1.69	- 2.26
4180	- 0.77	+ 0.30	+ 0.77	- 5.01	- 0.81	+ 0.24	- 0.05	- 0.13	+ 0.94	+ 0.46
3974	- 0.31	+ 0.03	+ 0.10	- 1.68	- 0.72	+ 0.04	- 0.01	- 0.02	- 0.58	+ 0.28
2138	+ 0.51	- 0.11	- 0.16	- 0.21	+ 1.11	- 0.19	+ 0.07	+ 0.10	- 0.69	- 0.14
2144	- 0.06	+ 0.00	- 0.03	- 0.29	- 0.80	+ 0.51	- 0.04	- 0.37	- 4.58	+ 7.43
4182	+ 0.07	- 0.08	- 0.20	+ 0.45	+ 0.16	+ 0.53	- 0.14	- 0.32	+ 3.18	+ 0.84
4183	- 0.46	+ 0.66	+ 0.89	- 1.75	- 0.45	- 0.13	+ 0.26	+ 0.36	- 0.39	- 0.16
4184	+ 0.91	- 0.17	- 0.24	+ 4.40	+ 0.34	- 1.67	+ 0.50	+ 0.70	- 0.80	- 2.81
4185	- 0.13	+ 0.07	+ 0.21	+ 0.41	- 0.55	+ 0.60	- 0.22	- 0.65	+ 3.24	+ 1.49
4186	- 0.18	+ 0.41	+ 0.93	- 2.09	- 0.16	+ 0.26	- 0.20	- 0.33	+ 0.97	+ 0.40
2140	- 0.21	+ 0.15	+ 0.24	+ 0.24	- 0.52	+ 0.29	- 0.05	- 0.07	- 0.29	+ 0.64
2141	- 0.27	+ 0.05	+ 0.07	+ 0.79	- 0.77	+ 0.67	- 0.04	- 0.08	+ 4.69	- 0.08
2142	+ 0.38	- 0.66	- 0.81	+ 0.86	+ 0.34	- 0.73	+ 0.42	+ 0.48	- 3.34	- 0.17
2143	+ 0.40	- 0.21	- 0.36	- 2.64	+ 1.75	- 0.27	- 0.06	- 0.09	- 5.51	+ 1.10
4188	+ 0.43	- 1.56	- 2.60	+ 2.98	+ 0.43	- 0.17	- 0.03	- 0.27	+ 6.48	- 0.99
4189	- 0.57	+ 1.63	+ 3.21	- 3.05	- 0.91	+ 1.43	- 1.76	- 3.12	+ 4.29	+ 2.29
4190	- 0.84	+ 0.20	+ 0.45	- 2.48	- 1.71	- 0.20	+ 0.05	+ 0.11	- 0.37	- 0.46
4192	+ 0.32	- 0.23	- 0.48	+ 0.95	+ 0.62	+ 0.16	- 0.07	- 0.15	+ 1.15	+ 0.20
4193	- 0.22	+ 0.07	+ 0.15	+ 2.09	- 1.66	+ 0.25	- 0.04	- 0.08	+ 0.99	+ 0.36
4194	- 0.56	+ 0.12	+ 0.27	+ 0.30	- 1.74	+ 0.53	- 0.17	- 0.40	+ 3.64	+ 0.61
4195	+ 0.28	- 0.66	- 1.33	+ 5.05	+ 0.02	+ 0.54	- 0.54	- 0.92	+ 1.18	+ 0.90
4196	+ 0.14	- 0.03	- 0.04	+ 0.16	+ 0.19	- 0.28	+ 0.12	+ 0.15	- 2.40	- 0.09
4197	+ 0.44	- 0.21	- 0.37	+ 1.44	+ 0.80	+ 0.50	- 0.25	- 0.56	+ 4.06	+ 0.71
2145	+ 0.54	- 0.55	- 0.62	+ 0.60	+ 0.62	+ 0.01	- 0.18	- 0.21	- 0.81	+ 0.33
4198	- 0.49	+ 0.18	+ 0.73	+ 1.83	- 3.12	- 0.33	+ 0.15	+ 0.61	- 2.89	- 0.95
3943	- 0.30	+ 0.08	+ 0.09	+ 1.46	- 1.26	- 0.13	+ 0.00	+ 0.00	+ 0.32	- 0.36
2147	- 0.45	+ 0.16	+ 0.23	+ 1.47	- 1.23	- 0.48	+ 0.10	+ 0.15	- 1.73	- 0.50
4199	- 0.06	+ 0.21	+ 0.42	- 4.43	+ 0.64	+ 0.59	- 0.34	- 0.53	- 1.76	+ 1.32
4200	- 0.28	+ 0.04	+ 0.21	- 5.39	- 0.16	- 0.79	+ 0.07	+ 0.40	- 2.83	- 4.97
2146	- 0.84	+ 0.23	+ 0.33	+ 0.11	- 1.74	- 0.69	+ 0.08	+ 0.13	+ 1.55	- 2.10
2154	+ 0.68	- 0.10	- 0.13	- 2.02	+ 2.18	+ 0.01	- 0.01	- 0.02	+ 0.31	- 0.09
4201	+ 0.24	- 0.05	- 0.15	- 4.19	+ 2.38	- 0.47	+ 0.14	+ 0.38	+ 2.00	- 2.07
4202	+ 0.63	- 0.29	- 0.46	+ 8.22	- 0.22	- 0.09	- 0.08	- 0.14	+ 3.41	- 0.46
2150	+ 0.28	- 0.28	- 0.46	+ 3.17	- 0.46	+ 1.80	- 0.27	- 0.43	+ 4.84	+ 1.79
2148	- 0.06	+ 0.09	+ 0.17	- 0.73	+ 0.18	- 0.59	+ 0.30	+ 0.46	- 2.06	- 0.34
2151	+ 0.53	- 0.42	- 0.61	+ 0.89	+ 0.77	+ 0.21	- 0.14	- 0.22	+ 2.43	- 0.43
2152	+ 0.20	- 0.02	- 0.09	+ 4.37	- 0.23	+ 0.22	- 0.02	- 0.12	+ 6.86	- 0.87
2149	+ 0.41	- 0.13	- 0.18	+ 2.58	- 0.25	- 0.62	+ 0.10	+ 0.18	+ 1.19	- 1.73
4204	+ 0.68	- 0.32	- 0.45	+ 3.09	+ 0.63	- 0.35	+ 0.12	+ 0.16	- 2.56	- 0.21
4205	+ 0.12	- 0.09	- 0.17	+ 0.49	+ 0.18	- 0.43	+ 0.20	+ 0.36	- 2.35	- 0.59

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
4173	0.77	0.48	0.51	2.39	1.20	0.77	0.58	0.63	2.50	1.12	0.23	1.17	0.55	0.73	0.75	
2134	1.14	0.49	0.50	2.17	1.45	1.24	0.57	0.58	2.63	1.61	2.36	0.37	0.72	1.97	0.81	
2130	0.70	0.89	1.03	1.28	0.88	0.77	0.69	0.75	1.51	1.01	2.26	0.70	0.75	2.54	0.84	
4174	1.26	1.03	1.16	3.16	2.04	1.08	0.74	0.79	3.01	1.62	0.99	0.19		0.66	1.13	
2131	0.86	0.68	0.73	1.83	1.07	0.90	0.56	0.59	2.11	1.14	1.13	3.06	4.15	0.80	1.16	
4175	0.86	1.08	1.80	2.93	1.00	0.78	0.61	0.75	3.03	1.07	1.84	1.30		0.54	0.46	t
4176	1.07	1.48	2.29	2.90	1.25	0.97	0.96	1.11	3.01	1.20	1.46	2.13		1.37	1.64	
4178	0.81	0.71	0.78	2.99	0.96	0.79	0.65	0.70	3.31	0.91	1.80	2.20	1.31	1.09	0.51	t
2136	0.50	0.87	0.96	0.92	0.53	0.59	0.89	0.98	1.22	0.64	4.43	4.17	5.90	2.70	2.12	t
4179	0.77	0.67	0.75	3.09	0.99	0.84	0.74	0.85	3.53	1.11	1.55	1.02	1.32	1.82	1.54	
2137	0.96	0.44	0.45	2.10	1.32	0.92	0.49	0.51	2.13	1.20	0.72	2.16	0.94	1.63	1.00	
4180	1.22	0.92	1.01	3.06	1.91	1.22	0.84	0.90	3.21	1.98	0.78	1.82		1.17	2.10	
3974	1.27	0.65	0.67	4.40	2.24	1.28	0.79	0.84	4.42	2.12	0.42	0.38	2.00	0.26	0.40	
2138	1.00	0.48	0.49	2.26	1.30	0.94	0.51	0.53	2.12	1.23	0.36	0.93	1.38	0.55	0.43	
2144	0.89	0.55	0.56	5.13	2.83	0.90	0.59	0.61	4.91	2.48	0.85	3.07	1.10	2.18	1.40	t
4182	1.09	0.82	0.90	3.48	1.55	1.09	0.68	0.73	3.61	1.62	0.96	0.67	0.17	0.60	1.64	
4183	0.88	0.98	1.06	2.54	0.98	0.86	0.80	0.84	2.62	0.94	0.97	0.99		0.48	0.48	
4184	1.15	0.57	0.58	2.76	1.46	1.14	0.67	0.69	2.73	1.43	1.73	2.24	0.52	1.45	0.58	
4185	1.15	0.80	0.87	3.96	1.74	1.21	0.91	1.00	3.92	1.89	1.06	0.96		0.46	1.28	
4186	0.79	1.09	1.48	2.44	0.89	0.89	0.95	1.16	2.62	1.10	0.87	1.18		0.77	0.84	
2140	0.62	0.59	0.65	1.40	0.78	0.69	0.44	0.47	1.81	0.92	0.12	1.07	1.15	0.66	0.62	
2141	1.23	0.71	0.74	3.48	1.65	1.32	0.52	0.53	3.31	2.00	1.44	0.47	1.70	1.30	1.21	t
2142	0.59	0.79	0.85	1.23	0.64	0.63	0.53	0.55	1.42	0.70	2.80	1.37	3.41	2.04	1.43	
2143	0.86	0.68	0.74	2.11	1.14	0.99	0.47	0.49	2.71	1.48	2.19	1.67	0.87	2.82	1.15	t
4188	0.69	1.15	1.41	2.18	0.74	0.74	0.97	1.11	2.42	0.81	2.16	3.20		3.13	0.03	
4189	0.76	1.15	1.50	2.43	0.85	0.87	0.97	1.14	2.52	1.04	4.48	3.52		1.11	1.95	
4190	0.75	0.47	0.50	2.25	1.11	0.75	0.54	0.59	2.33	1.07	1.29	1.85	1.28	0.31	2.54	t
4192	0.91	0.79	0.89	2.86	1.18	0.93	0.47	0.49	3.11	1.31	0.63	0.77	1.27	0.30	1.68	
4193	1.31	0.97	1.06	3.04	2.04	1.28	0.77	0.81	3.32	1.99	0.82	0.67		1.04	0.37	
4194	0.98	0.62	0.66	2.89	1.50	0.97	0.71	0.77	2.83	1.42	1.38	1.39	1.41	1.14	1.01	
4195	0.64	0.85	1.06	2.10	0.73	0.67	0.67	0.75	2.52	0.78	1.99	2.82		2.26	0.56	
4196	0.89	0.60	0.63	2.56	1.05	0.79	0.56	0.58	2.52	0.89	0.99	0.30	2.00	0.86	0.88	
4197	0.83	0.74	0.86	2.98	1.04	0.88	0.80	0.94	3.24	1.13	1.33	1.51		1.00	1.51	t
2145	0.61	0.55	0.57	1.11	0.67	0.70	0.59	0.61	1.42	0.80	1.07	1.46	1.30	0.70	1.19	t
4198	0.85	0.62	0.69	2.80	1.50	0.82	0.59	0.65	2.91	1.38	1.24	2.47	1.83	1.67	2.43	
3943	0.88	0.41	0.42	1.66	1.09	1.32	0.45	0.46	3.33	1.81	0.81	1.18	1.43	1.38	0.50	t
2147	1.20	0.67	0.69	3.03	1.46	1.40	0.59	0.60	3.51	1.92	0.67	0.95	1.77	0.86	0.74	
4199	0.85	0.98	1.16	2.38	1.00	0.84	0.64	0.69	2.62	1.01	1.55	1.90		2.25	0.58	
4200	1.09	0.61	0.63	4.35	2.32	1.14	0.65	0.67	4.33	2.72	1.92	1.47		1.14	2.20	
2146	0.84	0.47	0.49	2.06	1.07	0.97	0.45	0.46	2.52	1.38	0.56	2.36	1.62	1.50	1.21	
2154	1.05	0.41	0.42	2.20	1.36	1.06	0.48	0.49	2.33	1.38	0.86	1.62	2.68	1.63	0.89	
4201	0.97	0.64	0.69	2.85	1.64	0.93	0.66	0.71	3.02	1.44	1.48	2.09	0.30	2.34	1.44	
4202	0.92	0.71	0.76	2.81	1.12	0.78	0.58	0.61	2.82	0.89	3.19	0.37	0.25	3.08	0.96	
2150	1.26	0.85	0.89	2.83	1.54	1.44	0.60	0.62	3.01	2.05	2.07	1.04	0.71	1.41	1.03	
2148	0.84	0.81	0.90	1.68	1.08	0.87	0.65	0.69	1.71	1.19	1.43	0.58	0.51	0.94	0.50	t
2151	0.90	0.75	0.80	2.12	1.06	0.99	0.57	0.59	2.21	1.29	1.32	1.06	1.76	1.12	0.61	
2152	0.90	0.52	0.54	3.39	2.04	0.95	0.57	0.59	3.71	2.36	2.27	0.31	2.28	2.11	0.94	
2149	0.79	0.47	0.49	1.66	1.00	1.12	0.52	0.54	3.12	1.58	1.63	1.14	1.97	1.68	1.02	t
4204	0.91	0.68	0.72	2.77	1.07	0.89	0.67	0.70	2.92	1.03	0.91	1.54		1.12	0.53	
4205	0.91	0.62	0.66	3.38	1.11	1.01	0.73	0.79	3.64	1.29	0.67	0.75		0.46	1.71	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2155	10446	RS		2 14 37.981209	+ 28 41 28.27659	+ 158.30	- 97.84
4206	10506	FX		2 15 25.020921	- 50 53 14.08126	+ 0.93	- 54.88
4207	10510	FX		2 15 27.337993	+ 27 21 26.13787	+ 287.06	- 138.82
4210	10601	FX		2 16 29.297904	- 43 15 41.39288	+ 19.89	- 15.23
4211	10625	FX		2 16 46.628863	+ 29 57 2.54302	+ 18.15	- 15.10
2156	10657	RS		2 17 10.440753	+ 23 46 4.20172	- 30.94	- 39.90
2157	10718	BX	8 Per	2 17 59.888065	+ 57 53 59.35262	+ 61.13	+ 4.87
4213	10734	FX		2 18 9.332901	+ 45 12 37.33747	+ 2.46	- 6.68
4214	10767	FX		2 18 34.457177	+ 21 53 51.17640	+ 36.94	- 21.34
4215	10806	FX		2 19 6.400905	- 82 57 14.52538	+ 18.35	- 7.25
4216	10854	FX		2 19 40.776607	- 4 20 44.07344	+ 30.39	+ 1.98
4218	11022	FX		2 21 57.050389	- 49 31 13.92372	- 8.41	+ 28.77
4219	11028	FX		2 22 0.854606	+ 4 44 48.32915	- 19.57	+ 79.79
2162	11043	RS		2 22 11.750698	- 43 11 59.32246	+ 60.52	+ 43.37
2160	11046	BX	70 Cet	2 22 12.396041	- 0 53 5.47421	- 18.51	- 46.72
4221	11106	FX		2 22 56.652474	+ 8 32 43.65061	+ 22.09	- 4.46
4222	11123	FX		2 23 9.086014	- 56 32 40.33820	+ 21.33	+ 33.84
4223	11135	FX		2 23 17.323253	+ 38 15 9.83964	+ 3.31	- 5.01
2163	11212	BX		2 24 20.117140	- 25 50 50.85972	+ 31.98	+ 15.37
4224	11244	FX		2 24 45.614176	- 28 39 5.38169	+ 119.53	- 35.25
2164	11249	BX	ξ Ari	2 24 49.056833	+ 10 36 38.01890	+ 20.56	- 15.34
4225	11299	FX		2 25 27.955848	+ 32 24 27.64437	+ 16.91	- 7.72
2166	11360	RS		2 26 16.245272	+ 6 17 33.18287	+ 87.06	- 50.72
2167	11381	BX		2 26 35.217369	- 20 2 33.42319	+ 85.77	+ 101.21
4227	11403	FX		2 26 56.231741	+ 74 35 0.12278	+ 5.32	- 11.61
4228	11434	FX		2 27 28.470273	- 75 44 25.26676	+ 5.63	+ 32.74
2168	11477	RS	φ For	2 28 1.703117	- 33 48 39.74415	+ 18.64	+ 5.11
2170	11479	RS		2 28 4.385385	- 64 17 59.16575	+ 34.31	+ 6.19
4229	11483	FX		2 28 7.992671	+ 80 37 2.58096	- 8.31	- 0.36
4230	11556	FX		2 28 52.909471	- 40 26 7.08044	+ 14.44	- 6.05
2169	11611	BX		2 29 46.137981	+ 46 1 54.53516	+ 44.76	- 76.73
4231	11625	FX		2 29 58.557406	+ 57 49 14.57758	+ 0.22	+ 0.28
4232	11632	FX		2 30 5.854170	- 16 58 39.55726	- 2.74	- 3.06
2172	11678	BX	26 Ari	2 30 38.417782	+ 19 51 19.09253	+ 80.44	- 34.89
2173	11738	RS		2 31 30.095733	+ 2 16 1.86499	+ 22.95	- 9.09
2175	11930	BX		2 33 58.465333	+ 71 17 39.31978	+ 60.90	- 65.65
4233	11971	FX		2 34 25.942648	+ 11 36 17.32530	+ 35.71	- 28.59
2174	11978	BX		2 34 30.698301	+ 76 43 5.34136	+ 71.61	- 51.02
4234	11986	FX		2 34 35.853137	- 21 55 50.05138	- 30.93	- 90.39
4235	11993	FX		2 34 38.708970	+ 24 53 33.93322	+ 63.84	- 24.08
4236	11995	FX		2 34 39.265131	+ 22 58 4.33136	- 8.52	- 24.32
4237	12048	FX		2 35 19.928844	- 3 33 38.16906	- 156.00	- 437.29
4238	12064	FX		2 35 33.929673	+ 44 38 24.04252	+ 6.53	- 9.29
4239	12078	FX		2 35 42.336492	- 85 1 1.24828	- 7.35	- 9.20
4241	12173	FX		2 36 51.545473	- 79 48 50.36585	- 11.20	- 3.92
2178	12239	RS		2 37 36.068203	+ 65 44 43.20847	+ 43.24	- 9.07
2180	12247	RS	81 Cet	2 37 41.800635	- 3 23 46.23412	+ 39.55	- 44.65
2181	12250	RS		2 37 44.419819	- 22 59 30.84599	+ 2.61	+ 41.71
2183	12288	RS	ι^2 For	2 38 18.662102	- 30 11 38.62217	+ 98.43	- 73.63
4242	12309	FX		2 38 30.990245	- 44 42 27.60642	- 21.28	- 6.64

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2155	91.14	0.69	0.63	91.47	0.52	0.59	16.82	0.94	H	+ 18.	6.35		28	2	
4206	91.17	0.55	0.62	91.34	0.62	0.64	4.40	0.71	H		7.90		31		
4207	91.36	0.80	0.71	91.57	0.59	0.78	26.89	1.07	H	+ 1.2	8.12		11	1	3
4210	91.27	0.51	0.52	91.50	0.63	0.52	2.45	0.77	H		7.61		11	1	3
4211	91.31	0.85	0.74	91.50	0.68	0.75	.84	1.13	H		8.65		11	1	3
2156	91.11	0.70	0.70	91.58	0.54	0.72	6.79	0.90	H	- 13.0	6.53		11	1	3
2157	90.95	0.47	0.40	91.10	0.44	0.46	8.61	0.68	H	+ 2.0	5.75		11	1	3
4213	91.41	0.82	0.68	91.27	0.61	0.69	1.44	0.98	H		8.10	1	15	1	3
4214	91.15	0.85	0.70	91.24	0.59	0.62	4.04	0.97	H	- 0.7	7.79		11	1	3
4215	91.16	0.53	0.55	91.20	0.58	0.69	3.82	0.62	H		7.82		11	1	3
4216	91.33	0.77	0.69	91.57	0.65	0.65	5.98	0.97	H	+ 17.8	6.50		31		
4218	91.29	0.47	0.49	91.34	0.52	0.48	3.95	0.63	H		7.37		21	2	
4219	91.29	1.17	0.76	91.40	0.70	0.67	25.23	1.21	H		8.26		13		
2162	91.20	0.43	0.46	91.41	0.53	0.56	7.39	0.65	H	- 6.6	6.30		31		
2160	91.18	0.70	0.46	91.31	0.55	0.44	11.68	0.86	H	+ 20.	5.42	1	18		
4221	91.33	0.98	0.80	91.36	0.66	0.69	7.01	1.07	H	+ 2.	7.62		11	1	3
4222	91.31	0.67	0.77	91.30	0.73	0.80	2.65	0.61	P		8.70		15	1	3
4223	91.20	0.72	0.74	91.45	0.51	0.67	2.93	0.91	H	+ 14.	7.13		31		
2163	91.54	0.58	0.44	91.03	0.49	0.44	6.08	0.77	H	+ 33.5	6.45		21	2	
4224	91.47	0.54	0.64	91.36	0.70	0.73	11.83	0.97	H		7.91		31		
2164	91.23	0.94	0.43	91.28	0.57	0.45	5.41	1.04	H	- 0.5	5.48	1	38		
4225	91.06	0.75	0.72	91.66	0.46	0.67	2.51	1.09	H		7.19		11	1	3
2166	91.12	0.92	0.77	91.44	0.58	0.63	22.33	1.05	H		6.79		15	1	3
2167	91.07	0.52	0.44	91.05	0.52	0.46	11.47	0.73	H	+ 42.4	5.89		19	1	1
4227	91.37	0.61	0.60	91.26	0.60	0.62	1.15	0.84	H		8.02		11	1	3
4228	91.40	0.49	0.49	91.13	0.48	0.51	4.55	0.54	H		7.10		11	1	3
2168	91.20	0.41	0.53	91.21	0.44	0.51	21.35	0.65	H	+ 19.	5.13		38		
2170	91.28	0.45	0.50	91.31	0.49	0.52	8.47	0.54	H	+ 9.0	6.35		11	1	3
4229	91.27	0.63	0.53	91.18	0.67	0.65	3.00	0.82	H		8.41		11	1	3
4230	91.33	0.59	0.66	91.15	0.66	0.60	3.59	0.89	H		8.02		31		
2169	91.22	0.66	0.51	91.41	0.45	0.56	5.77	0.79	H	+ 34.0	6.71		21	2	
4231	91.02	0.56	0.53	91.03	0.49	0.53	.45	0.10	P	- 52.	7.23	1	11	1	3
4232	91.24	0.81	0.79	91.06	1.01	0.88	2.81	0.65	P		8.46	1	11	1	3
2172	91.16	0.72	0.44	91.29	0.56	0.41	14.44	0.83	H	+ 15.0	6.14		29	2	
2173	90.88	0.79	0.67	91.46	0.68	0.70	6.85	0.98	H	+ 25.4	5.27		31		
2175	91.21	0.41	0.43	91.15	0.46	0.53	9.66	0.61	H		6.55		11	1	3
4233	91.12	0.90	0.56	91.31	0.61	0.49	7.90	1.06	H	+ 27.	6.98		31		
2174	91.11	0.43	0.41	91.07	0.45	0.49	2.55	0.59	H		6.75	2	33		
4234	91.10	0.66	0.66	91.18	0.60	0.60	6.03	0.84	H		7.02		13		
4235	91.27	0.93	0.69	91.60	0.63	0.71	8.12	1.24	H		8.37	1	11	1	1
4236	91.18	0.87	0.67	91.37	0.63	0.68	5.50	1.04	H		8.45		11	1	3
4237	91.37	0.83	0.74	91.56	0.79	0.71	27.85	1.39	H	- 51.4	6.83		19	1	1
4238	91.36	0.84	0.78	91.50	0.42	0.70	3.23	1.01	H	+ 0.	7.56		11	1	3
4239	91.46	0.46	0.49	91.34	0.53	0.61	4.99	0.60	H		7.22		11	1	3
4241	91.58	0.59	0.58	91.14	0.59	0.60	3.96	0.65	H		7.66		31		
2178	91.28	0.30	0.29	91.09	0.43	0.48	4.00	0.61	H	+ 41.4	5.80		31		
2180	91.25	0.76	0.62	91.65	0.69	0.70	10.29	0.97	H	+ 7.7	5.65		11	1	3
2181	91.18	0.61	0.63	91.12	0.53	0.53	5.02	0.78	H	+ 24.3	6.77		11	1	3
2183	91.22	0.49	0.62	91.34	0.48	0.57	27.99	0.74	H	+ 29.0	5.84		11	1	3
4242	91.32	0.58	0.69	91.16	0.60	0.65	2.92	0.79	H		7.86		15	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2155	- 1.34	+ 0.57	+ 0.72	- 2.20	- 1.62	+ 2.00	- 1.05	- 1.31	+ 6.12	+ 0.99
4206	- 0.29	+ 0.03	+ 0.06	- 0.54	- 0.62	- 0.98	+ 0.33	+ 0.71	- 6.66	- 1.00
4207	+ 0.51	- 0.34	- 0.41	- 1.58	+ 0.87	- 0.65	+ 0.20	+ 0.27	- 3.10	- 0.58
4210	- 0.75	+ 0.24	+ 0.60	- 1.36	- 2.06	+ 0.36	- 0.21	- 0.46	+ 2.32	+ 0.44
4211	+ 0.09	- 0.10	- 0.60	+ 0.59	+ 0.62	- 0.15	+ 0.08	+ 0.58	+ 1.40	- 1.52
2156	+ 0.62	- 0.49	- 0.93	- 2.26	+ 1.95	+ 0.51	- 0.36	- 0.75	+ 1.94	+ 1.06
2157	+ 0.42	- 0.28	- 0.34	+ 1.92	- 0.05	- 0.30	+ 0.12	+ 0.17	- 0.29	- 0.51
4213	- 0.09	+ 0.04	+ 0.14	+ 2.52	- 0.65	+ 0.23	- 0.07	- 0.38	- 0.75	+ 1.46
4214	- 0.06	+ 0.03	+ 0.02	- 0.58	- 0.03	+ 0.53	- 0.27	- 0.55	- 0.11	+ 1.26
4215	- 0.81	+ 0.26	+ 0.54	- 2.53	- 1.33	- 0.65	+ 0.26	+ 0.64	- 2.78	- 1.31
4216	- 0.38	+ 0.59	+ 1.19	+ 0.10	- 0.98	- 1.02	+ 0.65	+ 1.27	- 7.09	- 1.05
4218	+ 0.23	- 0.13	- 0.26	+ 0.70	+ 0.47	+ 2.14	- 0.58	- 1.07	+ 2.05	+ 4.46
4219	+ 0.31	- 1.35	- 2.11	- 2.83	+ 1.04	+ 1.15	- 0.73	- 0.81	+ 4.12	+ 0.90
2162	- 1.68	+ 0.10	+ 0.21	+ 0.05	- 4.95	- 1.15	+ 0.05	+ 0.15	- 4.67	- 2.59
2160	- 0.28	+ 0.70	+ 0.89	- 1.28	- 0.07	- 0.37	+ 0.59	+ 0.74	- 1.11	- 0.31
4221	+ 0.68	- 1.10	- 2.15	+ 1.85	+ 1.28	+ 0.05	+ 0.00	+ 0.01	+ 1.22	- 0.12
4222	+ 0.20	- 0.06	- 0.25	+ 4.80	- 0.32	- 0.19	+ 0.07	+ 0.27	+ 0.42	- 1.10
4223	- 0.01	- 0.03	- 0.12	+ 5.21	- 0.66	+ 0.63	- 0.17	- 0.55	+ 9.31	+ 1.03
2163	- 0.24	+ 0.42	+ 0.61	+ 0.97	- 0.83	- 0.93	+ 0.50	+ 0.71	- 1.44	- 1.33
4224	+ 2.72	- 0.26	- 0.54	+ 5.96	+ 5.57	- 1.09	+ 0.09	+ 0.17	- 7.41	- 0.21
2164	+ 0.01	- 0.56	- 0.93	- 2.24	+ 0.92	- 0.55	+ 1.24	+ 1.74	- 0.33	- 0.92
4225	- 0.23	+ 0.10	+ 0.25	- 2.17	- 0.47	+ 0.63	- 0.24	- 0.73	+ 6.99	+ 1.44
2166	+ 0.67	- 0.71	- 0.97	+ 1.65	+ 0.70	- 1.24	+ 0.44	+ 0.59	- 2.48	- 1.33
2167	- 0.39	+ 0.34	+ 0.41	- 0.15	- 0.59	- 0.18	+ 0.20	+ 0.25	- 1.41	+ 0.06
4227	- 0.03	+ 0.04	+ 0.20	- 2.29	+ 0.02	+ 0.25	- 0.08	- 0.45	+ 1.55	+ 1.41
4228	- 0.25	+ 0.03	+ 0.07	+ 2.85	- 1.29	- 0.70	+ 0.10	+ 0.23	+ 3.35	- 2.73
2168	+ 0.37	- 0.07	- 0.08	- 1.42	+ 1.29	- 1.60	+ 0.32	+ 0.41	+ 4.64	- 4.71
2170	+ 0.37	- 0.04	- 0.07	+ 3.01	+ 0.10	+ 0.20	- 0.02	- 0.04	- 2.71	+ 1.17
4229	+ 0.01	- 0.04	- 0.10	+ 0.50	- 0.01	+ 0.72	- 0.42	- 1.03	- 0.13	+ 2.08
4230	- 1.28	+ 0.62	+ 1.45	- 3.38	- 2.95	- 0.30	+ 0.23	+ 0.50	+ 2.94	- 1.46
2169	- 1.95	+ 1.73	+ 2.48	- 2.37	- 3.07	+ 0.30	- 0.14	- 0.24	+ 1.57	+ 0.16
4231	- 0.04	+ 0.01	+ 0.06	- 1.56	+ 0.00	- 0.09	+ 0.03	+ 0.23	+ 0.04	- 0.89
4232	- 0.60	- 0.02	- 0.09	- 1.69	- 2.38	+ 0.62	- 0.19	- 0.71	- 0.69	+ 3.21
2172	- 0.35	+ 0.47	+ 0.56	- 1.80	+ 0.22	+ 0.83	- 1.03	- 1.17	+ 2.95	+ 0.38
2173	- 0.03	- 0.06	- 0.20	+ 2.41	- 0.78	+ 1.02	- 0.74	- 1.31	+ 5.52	+ 0.81
2175	+ 0.77	- 0.22	- 0.28	+ 0.96	+ 1.04	+ 0.40	+ 0.01	- 0.01	+ 4.00	- 1.09
4233	- 0.34	+ 0.77	+ 1.14	- 2.95	- 0.24	- 0.45	+ 0.75	+ 1.03	- 0.81	- 0.60
2174	+ 0.39	- 0.11	- 0.22	+ 0.42	+ 0.90	- 0.14	+ 0.05	+ 0.12	+ 3.02	- 2.09
4234	- 0.28	+ 0.13	+ 0.25	- 0.17	- 0.65	- 0.11	+ 0.08	+ 0.14	+ 4.13	- 1.31
4235	+ 0.46	- 0.60	- 0.99	- 1.88	+ 1.09	- 0.06	- 0.19	- 0.37	- 2.42	+ 0.38
4236	- 0.11	+ 0.51	+ 1.11	+ 0.96	- 0.50	- 0.90	+ 0.77	+ 1.51	- 2.02	- 1.71
4237	+ 0.66	- 0.70	- 0.89	- 0.51	+ 1.06	- 0.95	+ 0.19	+ 0.22	- 3.93	- 0.65
4238	- 0.35	+ 0.66	+ 1.94	- 0.03	- 1.23	- 0.16	+ 0.17	+ 0.42	- 0.89	- 0.33
4239	+ 0.08	- 0.02	- 0.03	+ 2.39	- 0.48	- 0.51	+ 0.25	+ 0.46	- 3.33	- 0.39
4241	+ 0.55	- 0.03	- 0.09	+ 2.02	+ 1.42	- 1.36	+ 0.23	+ 0.61	+ 0.42	- 4.44
2178	+ 0.98	- 0.19	- 0.27	- 0.63	+ 1.95	- 0.14	+ 0.13	+ 0.22	+ 4.12	- 1.69
2180	+ 0.68	- 0.49	- 0.60	- 0.11	+ 1.26	- 0.96	+ 0.39	+ 0.60	- 0.58	- 1.57
2181	- 0.35	+ 0.16	+ 0.31	+ 2.97	- 1.94	- 0.38	+ 0.11	+ 0.21	+ 0.89	- 1.33
2183	- 0.92	+ 0.19	+ 0.24	- 1.61	- 1.06	+ 1.34	- 0.27	- 0.34	- 1.71	+ 2.98
4242	- 0.48	+ 0.14	+ 0.43	+ 0.18	- 1.91	+ 0.25	- 0.04	- 0.10	+ 7.23	- 0.57

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
2155	1.00	0.77	0.81	2.26	1.14	0.92	0.73	0.76	1.81	1.11	4.01	2.49	1.28	2.42	1.41	t
4206	1.00	0.66	0.71	2.78	1.50	0.98	0.69	0.74	2.83	1.40	2.53	1.17	1.67	1.79	0.96	
4207	1.02	0.93	0.99	3.62	1.09	1.22	0.94	1.00	4.01	1.38	0.87	1.07	1.63	0.88	0.06	
4210	0.79	0.55	0.59	2.02	1.25	0.72	0.57	0.63	2.03	1.00	1.60	2.05	2.36	0.88	0.88	
4211	0.78	0.80	1.12	3.02	1.06	0.82	0.78	0.98	3.01	1.29	1.59	0.45		0.89	0.48	
2156	1.02	0.81	0.89	2.90	1.28	1.18	0.79	0.86	3.21	1.71	0.94	1.98	1.35	1.35	1.02	
2157	0.63	0.51	0.53	1.25	0.73	0.92	0.50	0.52	1.92	1.22	1.68	0.59	1.27	1.37	0.60	
4213	0.80	0.73	0.87	3.52	1.15	0.87	0.72	0.81	3.82	1.46	1.25	0.66		1.01	0.46	t
4214	0.79	0.94	1.18	2.55	0.93	0.87	0.70	0.77	2.91	1.14	1.32	0.26		0.48	1.57	
4215	0.87	0.59	0.63	2.18	1.27	0.98	0.74	0.81	2.78	1.48	1.79	1.75	1.04	0.67	1.23	
4216	0.92	0.83	0.94	2.88	1.13	0.98	0.75	0.83	3.01	1.26	2.69	1.98	0.80	1.88	0.53	t
4218	0.88	0.51	0.54	2.47	1.26	0.84	0.51	0.54	2.43	1.17	1.31	4.33	2.39	0.90	2.21	
4219	0.84	1.62	2.00	2.28	0.88	0.95	0.91	0.98	2.52	1.06	2.12	1.83		1.97	0.79	t
2162	1.31	0.47	0.48	4.38	2.13	1.40	0.57	0.58	4.41	2.50	1.08	2.60	1.00	1.10	2.06	
2160	0.60	0.73	0.78	1.23	0.66	0.63	0.62	0.66	1.51	0.70	1.78	1.29	2.34	0.99	1.18	t
4221	0.93	1.08	1.29	2.71	1.11	0.96	0.81	0.89	2.91	1.18	2.02	1.39		0.47	0.93	
4222	1.05	0.80	0.88	3.43	1.85	1.05	0.84	0.93	3.33	1.79	1.43	0.68	0.55	1.37	0.74	t
4223	0.97	0.80	0.90	3.92	1.39	0.99	0.70	0.76	4.21	1.54	2.65	0.99	2.11	2.32	0.89	
2163	0.65	0.55	0.59	1.39	0.78	0.75	0.51	0.54	1.71	0.95	1.24	2.22	3.63	1.13	0.60	
4224	1.52	0.66	0.68	3.71	2.51	1.48	0.76	0.79	3.81	2.28	2.36	2.61		1.62	3.21	
2164	0.47	1.00	1.31	0.92	0.52	0.53	0.72	0.81	1.32	0.60	1.54	3.04	3.03	3.00	1.26	t
4225	0.86	0.81	0.97	3.83	1.14	0.90	0.72	0.81	4.31	1.29	1.87	1.54	0.73	1.30	1.02	
2166	1.08	1.01	1.08	2.26	1.26	1.19	0.70	0.72	2.41	1.51	1.60	1.51	0.61	0.55	0.82	t
2167	0.67	0.57	0.59	1.44	0.77	0.76	0.56	0.58	1.81	0.87	0.93	1.03	1.45	0.78	0.16	t
4227	0.74	0.63	0.72	3.63	1.16	0.79	0.64	0.71	3.94	1.38	1.20	0.83		0.61	0.95	
4228	1.02	0.50	0.52	3.37	1.56	1.02	0.53	0.55	3.25	1.58	1.25	1.96	1.02	2.02	1.28	
2168	1.16	0.57	0.58	2.39	1.46	1.18	0.54	0.55	2.51	1.49	1.74	3.34	0.90	3.34	0.58	t
2170	1.32	0.51	0.52	3.79	2.04	1.31	0.53	0.54	4.11	1.98	1.03	0.59	1.49	1.09	0.65	
4229	0.76	0.59	0.65	2.84	0.99	0.86	0.73	0.82	3.17	1.16	2.19	0.34		0.68	1.43	
4230	0.92	0.72	0.80	2.22	1.39	0.80	0.69	0.77	2.23	1.07	2.30	3.09	2.37	1.79	1.19	
2169	0.69	0.64	0.69	1.39	0.88	0.96	0.61	0.64	2.21	1.35	3.22	4.98	2.82	0.69	2.17	
4231	0.58	0.55	0.69	2.23	0.90	0.61	0.54	0.62	2.83	1.12	0.70	0.89	1.21	0.72	0.32	
4232	1.10	0.82	0.96	3.19	2.14	1.08	0.94	1.13	3.11	1.76	2.26	0.48		1.10	0.48	
2172	0.56	0.81	0.87	1.03	0.60	0.55	0.62	0.64	1.21	0.59	3.55	1.85	1.81	2.55	1.02	t
2173	0.81	0.93	1.07	1.82	0.98	0.95	0.85	0.94	2.41	1.20	2.88	1.49	1.49	2.33	0.43	
2175	0.86	0.48	0.49	1.54	1.14	1.25	0.56	0.57	2.72	1.94	1.64	1.18	0.17	1.53	1.22	
4233	0.67	0.84	0.94	2.24	0.73	0.63	0.71	0.77	2.72	0.66	1.79	1.88	2.79	1.15	0.86	
2174	0.69	0.43	0.46	1.59	1.04	0.91	0.50	0.52	2.63	1.75	1.15	1.54	3.15	1.64	1.26	t
4234	1.02	0.73	0.79	2.68	1.41	0.97	0.66	0.70	2.62	1.30	1.48	1.10	2.18	1.87	1.27	t
4235	0.87	0.93	1.06	2.89	1.00	0.96	0.88	0.99	2.91	1.15	1.45	0.71		1.32	1.16	t
4236	0.77	0.93	1.12	2.39	0.90	0.91	0.82	0.93	2.91	1.14	2.33	1.15		0.58	1.68	t
4237	0.95	1.12	1.23	2.73	1.02	1.10	0.91	0.98	3.01	1.25	1.33	1.50	0.49	1.14	1.56	t 3002
4238	0.86	0.99	1.30	2.80	1.04	0.84	0.83	0.98	2.92	1.06	1.97	0.77		0.44	0.70	
4239	0.90	0.53	0.55	2.39	1.24	0.89	0.69	0.75	2.50	1.17	1.75	0.69	0.77	1.50	1.16	
4241	1.08	0.59	0.62	4.14	1.77	1.05	0.62	0.65	3.95	1.67	0.51	2.95	0.35	1.14	0.98	
2178	0.67	0.31	0.32	1.70	0.85	0.94	0.50	0.52	2.71	1.43	1.42	2.71	0.66	2.33	1.47	
2180	0.83	0.87	0.97	1.82	0.97	0.98	0.91	1.02	2.31	1.19	0.55	2.21	0.92	0.76	1.44	
2181	0.98	0.68	0.73	2.51	1.41	0.98	0.56	0.59	2.51	1.45	1.05	1.70	2.48	1.87	1.96	
2183	1.22	0.70	0.72	2.73	1.44	1.24	0.62	0.64	2.71	1.52	0.81	2.21	0.71	1.52	1.46	
4242	0.98	0.72	0.79	3.33	1.58	0.97	0.68	0.73	3.52	1.58	2.04	1.34	1.74	2.10	2.00	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4243	12316	FX		2 38 36.071258	- 7 31 48.60159	+ 3.37	- 7.14
4245	12381	FX		2 39 23.752309	- 14 17 21.47005	+ 32.43	- 198.58
4246	12384	FX		2 39 26.145260	- 25 34 8.63215	+ 21.16	+ 10.03
4247	12409	FX		2 39 46.935752	- 35 1 27.52234	+ 1.63	+ 6.33
4248	12432	FX		2 40 1.119483	+ 62 36 7.17389	+ 29.71	- 21.46
2189	12611	BX		2 42 8.443836	- 46 31 27.98611	+ 10.14	- 94.05
2188	12692	RS	11 Per	2 43 2.838126	+ 55 6 21.67358	+ 34.79	- 20.84
2190	12784	BX	36 Ari	2 44 19.112767	+ 17 45 50.13719	+ 36.83	- 36.17
4251	12836	FX		2 44 59.710421	+ 54 57 53.04869	- 5.58	- 0.14
2191	12876	BX	ζ Hyi	2 45 32.634854	- 67 36 59.82174	+ 66.76	+ 43.96
4252	12925	FX		2 46 14.608399	+ 5 35 33.32564	+ 73.68	- 44.83
4253	12982	FX		2 46 58.322297	+ 35 59 0.68058	+ 53.88	- 4.40
4254	13018	FX		2 47 23.008415	+ 9 18 27.73637	+ 3.93	- 59.35
4255	13064	FX		2 47 55.922640	- 12 27 38.32382	- 1.72	- 46.87
4256	13078	FX		2 48 5.434158	- 39 48 12.41931	- 1.68	+ 7.92
4257	13094	FX		2 48 20.022705	+ 20 0 36.71688	+ 12.87	- 6.37
4258	13119	FX		2 48 44.421628	- 73 50 29.40675	- 5.25	+ 27.46
4259	13129	FX		2 48 52.370769	- 46 20 48.97991	+ 26.69	+ 16.40
2196	13141	BX	ν Hor	2 49 1.487243	- 62 48 23.47814	+ 94.24	+ 28.95
2193	13183	BX		2 49 37.893064	+ 0 55 15.50814	+ 22.15	- 24.87
4260	13223	FX		2 50 12.981656	+ 13 42 37.69035	+ 59.25	- 8.08
2199	13244	BX	ν Hyi	2 50 28.459417	- 75 4 1.01269	- 34.21	- 27.52
2194	13254	RS	16 Per	2 50 35.059837	+ 38 19 7.12197	+ 195.87	- 108.38
4261	13315	FX		2 51 21.826048	- 55 4 29.00657	+ 11.52	+ 21.90
4262	13317	FX		2 51 22.600072	- 30 26 14.87410	+ 79.34	- 48.18
2198	13328	RS	17 Per	2 51 30.837435	+ 35 3 35.06629	+ 9.14	- 63.17
2197	13339	RS		2 51 41.730173	+ 46 50 30.98298	- 26.07	- 25.64
2200	13473	RS	ψ For	2 53 34.397036	- 38 26 13.21518	+ 58.82	+ 34.05
2202	13518	RS		2 54 6.469944	- 50 52 17.04494	- 2.16	+ 7.43
4264	13614	FX		2 55 24.914924	+ 37 59 57.74485	- 2.24	- 6.48
4265	13618	FX		2 55 27.488190	- 51 15 38.56202	+ 45.78	- 3.22
4266	13649	FX		2 55 43.349398	- 61 27 46.23238	+ 7.79	+ 9.53
4267	13662	FX		2 55 55.391056	+ 41 48 24.45228	+ 12.32	- 20.45
4268	13727	FX		2 56 48.451175	- 35 22 40.04713	- 13.17	+ 2.10
2206	13756	BX		2 57 4.573340	+ 4 30 3.70105	+ 17.59	+ 23.62
2205	13775	BX	21 Per	2 57 17.282721	+ 31 56 3.19283	+ 3.25	- 30.48
4269	13786	FX		2 57 28.651013	+ 16 17 37.35327	+ 75.30	- 40.35
2208	13794	BX		2 57 36.766392	- 55 0 47.65785	+ 43.63	+ 44.97
4270	13853	FX		2 58 22.943519	+ 72 40 22.05801	+ 20.57	- 25.71
4271	13865	FX		2 58 33.474967	- 37 59 32.32675	+ 26.86	+ 2.45
2207	13879	BX	π Per	2 58 45.670311	+ 39 39 45.81059	+ 26.16	- 42.07
2212	13884	BX	β Hor	2 58 47.796170	- 64 4 16.62792	+ 22.60	+ 4.77
2210	13902	RS		2 58 59.070134	- 43 44 53.98609	+ 51.96	- 167.02
2211	13947	BX		2 59 38.304671	- 32 30 25.91038	+ 7.29	+ 9.92
2209	13951	RS	5 Eri	2 59 41.160121	- 2 27 53.83297	- 4.00	- 21.66
4272	13970	FX		2 59 55.391951	- 13 41 0.38114	+ 5.26	+ 7.35
4273	13973	FX		2 59 58.086208	+ 26 53 19.09315	+ 38.80	- 18.66
4274	13994	FX		3 0 10.961204	+ 25 14 44.79997	- 13.69	- 7.45
4275	14024	FX		3 0 36.384029	+ 22 49 44.38497	+ 0.75	+ 10.24
2213	14036	RS		3 0 44.140660	+ 10 52 13.39802	+ 79.89	- 34.39

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4243	91.16	0.86	0.83	91.12	0.78	0.77	8.50	1.12	H		8.63		11	1	3
4245	91.52	0.88	0.94	91.40	0.90	0.82	12.64	1.35	H		7.98		21	2	
4246	90.99	0.75	0.79	91.02	0.63	0.66	2.03	0.88	H		7.58		11	1	3
4247	91.22	0.42	0.45	91.23	0.58	0.59	1.66	0.89	H		7.34		31		
4248	90.90	0.38	0.45	91.12	0.52	0.53	5.98	0.79	H		7.42		11	1	3
2189	91.26	0.46	0.53	91.11	0.41	0.44	24.47	0.56	H	+ 13.0	6.09	1	11	1	3
2188	91.14	0.48	0.48	91.40	0.37	0.59	7.76	0.69	H	- 0.7	5.76		29	2	
2190	91.26	0.77	0.57	91.41	0.52	0.49	7.89	0.92	H	- 33.9	6.40		11	1	3
4251	91.00	0.79	0.66	91.29	0.61	0.72	1.05	1.17	H		8.99		11	1	3
2191	91.45	0.41	0.38	91.20	0.43	0.41	11.06	0.48	H	+ 3.6	4.83		39		
4252	91.15	1.07	0.68	91.15	0.78	0.62	15.85	1.16	H		7.88	1	11	1	3
4253	91.35	0.70	0.62	91.12	0.52	0.57	7.93	0.81	H	+ 22.2	6.27		11	1	3
4254	91.01	0.93	0.61	91.31	0.90	0.73	4.74	1.14	H		7.68		11	1	3
4255	91.60	0.79	0.63	91.36	0.62	0.57	4.07	0.90	H	- 14.	6.63	2	33		
4256	91.13	0.69	0.72	91.11	0.72	0.69	2.78	0.64	P		8.67		11	1	3
4257	91.11	0.84	0.63	91.46	0.63	0.65	6.19	1.01	H	+ 2.4	8.38		11	1	3
4258	91.21	0.53	0.57	91.12	0.54	0.57	3.53	0.63	H		6.94	1	11	1	3
4259	91.23	0.56	0.58	91.19	0.57	0.57	15.17	0.71	H		7.74		11	1	3
2196	91.40	0.41	0.45	91.31	0.46	0.49	19.73	0.49	H	+ 30.9	5.25		31		
2193	91.29	0.96	0.77	91.40	0.89	0.76	7.98	1.76	H	- 44.	6.82		11	1	3
4260	91.26	1.03	0.63	91.43	0.69	0.62	12.02	1.29	H	+ 11.	8.14		11	1	3
2199	91.47	0.42	0.39	91.21	0.44	0.46	9.92	0.48	H	+ 4.7	4.76		31		
2194	91.06	0.67	0.56	91.01	0.55	0.63	25.54	0.77	H	+ 14.0	4.22		15	1	3
4261	91.44	0.54	0.57	91.29	0.56	0.59	10.31	0.65	H		8.33		11	1	3
4262	91.25	0.59	0.68	91.28	0.60	0.66	14.01	0.84	H		7.57		31		
2198	91.44	0.73	0.52	91.63	0.76	0.61	7.97	1.10	H	+ 14.0	4.56	1	31		
2197	91.27	0.54	0.46	91.26	0.53	0.63	8.21	0.79	H	- 12.4	5.86		19	1	1
2200	91.32	0.41	0.46	91.31	0.46	0.52	16.83	0.61	H	+ 21.	5.93		18		
2202	91.28	0.48	0.46	91.29	0.46	0.46	2.93	0.58	H	- 13.5	6.22	1	35		
4264	91.12	0.94	0.72	91.20	1.00	0.85	.66	1.43	H		8.46		11	1	3
4265	91.18	0.62	0.64	91.20	0.58	0.58	8.71	0.74	H		8.36		31		
4266	91.24	0.63	0.66	91.42	0.63	0.77	1.76	0.72	H		8.03		11	1	3
4267	91.42	0.86	0.56	91.29	0.66	0.60	6.23	1.02	H	- 3.	7.92		31		
4268	91.35	0.43	0.47	91.18	0.47	0.51	6.36	0.68	H		6.58		11	1	3
2206	90.91	0.81	0.51	91.30	0.72	0.53	5.86	1.13	H	+ 52.0	6.15	2	23	2	
2205	91.24	0.76	0.53	91.27	0.55	0.52	8.43	0.90	H	+ 9.5	5.10	1	18		
4269	91.26	0.79	0.58	91.55	0.62	0.62	7.20	1.00	H		6.90		11	1	3
2208	91.44	0.43	0.44	91.28	0.44	0.44	11.92	0.52	H		6.74		21	2	
4270	91.08	0.54	0.46	91.05	0.65	0.55	3.71	0.79	H		7.74		31		
4271	91.16	0.57	0.65	91.34	0.59	0.65	3.47	0.81	H		7.63		11	1	3
2207	91.09	0.70	0.43	91.31	0.76	0.52	10.02	1.09	H	+ 14.2	4.68		29	2	
2212	91.50	0.43	0.45	91.52	0.47	0.53	10.40	0.50	H	+ 23.6	4.98		39		
2210	91.27	0.50	0.58	91.13	0.57	0.68	25.68	0.70	H		7.39		31		
2211	91.21	0.30	0.34	91.25	0.39	0.43	7.90	0.60	H	+ 16.1	6.32		19	1	1
2209	90.98	0.82	0.76	91.27	0.75	0.78	9.76	1.02	H	+ 18.	5.56		18		
4272	91.36	0.73	0.73	91.05	0.66	0.69	4.97	0.88	H		7.06		31		
4273	91.32	1.02	0.95	91.33	0.79	0.81	2.21	1.20	H		8.47		13		
4274	91.25	0.99	0.79	91.31	0.62	0.66	3.79	1.10	H		8.48		21	2	
4275	91.31	0.80	0.62	91.40	0.61	0.59	6.89	1.00	H		7.13		11	1	3
2213	91.19	0.76	0.68	91.38	0.52	0.52	7.39	0.82	H	+ 18.3	5.93	1	11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4243	- 0.24	- 0.12	- 0.36	+ 1.09	- 0.86	+ 1.77	- 0.32	- 0.77	+ 4.10	+ 4.19
4245	- 1.88	+ 0.99	+ 1.84	+ 3.01	- 6.33	- 1.56	+ 0.52	+ 0.97	- 2.49	- 3.03
4246	+ 0.03	+ 0.00	- 0.01	+ 0.12	+ 0.12	- 0.09	+ 0.02	+ 0.09	+ 1.94	- 1.11
4247	- 0.75	+ 0.10	+ 0.44	- 6.55	- 2.29	+ 0.57	- 0.14	- 0.66	+ 2.30	+ 2.88
4248	- 1.22	+ 0.29	+ 0.44	- 5.77	- 1.49	- 0.15	- 0.04	- 0.07	- 0.10	- 0.22
2189	+ 0.41	- 0.12	- 0.15	+ 0.92	+ 0.42	+ 1.07	- 0.20	- 0.25	- 2.38	+ 2.84
2188	- 0.24	+ 0.00	- 0.01	- 1.87	+ 0.06	+ 1.27	- 0.27	- 0.48	- 7.30	+ 4.98
2190	+ 0.17	- 0.19	- 0.30	+ 2.01	- 0.48	- 0.33	+ 0.30	+ 0.38	- 0.48	- 0.41
4251	- 0.17	+ 0.17	+ 0.85	- 1.61	- 0.80	- 0.15	+ 0.13	+ 0.79	- 2.25	- 0.74
2191	+ 1.51	- 0.20	- 0.26	+ 2.85	+ 1.70	- 0.26	+ 0.05	+ 0.06	+ 4.84	- 1.96
4252	+ 0.02	- 0.07	- 0.14	+ 2.20	- 0.25	- 0.36	+ 0.69	+ 0.90	+ 2.19	- 0.79
4253	+ 0.63	- 0.53	- 0.78	+ 2.59	+ 0.75	- 0.62	+ 0.22	+ 0.33	+ 2.41	- 1.34
4254	+ 0.12	- 0.37	- 0.81	+ 0.88	+ 0.19	- 0.10	+ 0.01	- 0.14	+ 3.49	- 0.59
4255	+ 0.13	- 0.18	- 0.35	+ 2.79	- 0.11	+ 1.03	- 0.83	- 1.48	+ 4.61	+ 1.41
4256	- 0.40	+ 0.15	+ 0.50	- 3.20	- 0.43	+ 0.15	- 0.09	- 0.27	- 2.67	+ 1.49
4257	- 0.15	+ 0.33	+ 0.63	- 2.00	- 0.10	- 0.42	+ 0.36	+ 0.67	- 0.93	- 0.76
4258	- 0.38	+ 0.06	+ 0.17	+ 0.05	- 1.37	+ 0.56	- 0.09	- 0.26	+ 3.82	+ 0.97
4259	- 1.12	+ 0.41	+ 0.55	- 1.61	- 1.48	+ 0.08	- 0.05	- 0.07	+ 2.12	- 0.38
2196	- 1.62	+ 0.22	+ 0.29	- 4.01	- 1.45	- 0.16	+ 0.05	+ 0.07	- 5.64	+ 1.45
2193	- 0.01	- 0.41	- 1.04	- 1.43	+ 0.72	+ 0.22	- 0.45	- 0.95	+ 0.75	+ 0.31
4260	- 0.09	+ 0.47	+ 0.79	- 2.24	+ 0.10	- 0.29	+ 0.63	+ 0.91	- 1.19	- 0.33
2199	- 1.21	+ 0.20	+ 0.26	+ 1.41	- 2.75	- 1.08	+ 0.26	+ 0.34	+ 1.25	- 2.39
2194	+ 0.13	- 0.15	- 0.19	+ 0.53	+ 0.03	+ 1.38	- 0.41	- 0.54	+ 3.05	+ 1.30
4261	+ 0.45	- 0.04	- 0.07	+ 4.51	- 0.23	- 0.43	+ 0.07	+ 0.11	- 0.96	- 0.62
4262	+ 0.59	- 0.28	- 0.47	+ 3.42	+ 0.18	+ 2.26	- 0.54	- 0.87	+ 8.73	+ 1.93
2198	- 0.12	+ 0.10	+ 0.15	- 0.78	+ 0.26	- 0.02	+ 0.10	+ 0.15	+ 1.81	- 1.31
2197	+ 0.13	- 0.13	- 0.17	- 0.39	+ 0.32	- 0.02	- 0.08	- 0.11	- 2.87	+ 0.71
2200	- 0.34	+ 0.05	+ 0.06	+ 0.86	- 1.00	- 0.88	+ 0.16	+ 0.22	- 0.23	- 1.68
2202	+ 0.46	- 0.04	- 0.14	+ 8.04	+ 0.21	+ 0.63	- 0.05	- 0.19	+ 2.05	+ 2.46
4264	+ 0.02	- 0.03	- 0.32	- 1.84	+ 0.43	+ 0.00	- 0.02	- 0.27	- 5.42	+ 0.91
4265	+ 0.87	- 0.26	- 0.42	+ 2.24	+ 1.17	- 0.92	+ 0.19	+ 0.30	- 7.17	+ 0.11
4266	- 0.39	+ 0.12	+ 0.51	+ 0.08	- 2.10	- 0.03	+ 0.01	+ 0.05	+ 0.63	- 0.28
4267	- 0.02	+ 0.04	+ 0.05	+ 4.14	- 0.60	- 0.85	+ 0.53	+ 0.84	- 4.05	- 0.89
4268	+ 0.42	- 0.06	- 0.11	+ 1.28	+ 0.54	- 0.26	+ 0.06	+ 0.10	- 1.29	- 0.16
2206	- 0.61	+ 1.83	+ 3.18	- 2.59	- 0.50	+ 0.30	+ 0.16	+ 0.82	+ 0.70	+ 0.22
2205	+ 0.07	- 0.16	- 0.23	- 0.06	+ 0.20	+ 0.55	- 0.49	- 0.65	- 1.15	+ 1.53
4269	- 0.15	+ 0.47	+ 0.80	+ 0.24	- 0.32	- 0.26	+ 0.31	+ 0.54	- 4.45	+ 0.10
2208	+ 0.13	+ 0.06	+ 0.08	+ 1.60	- 0.49	- 1.61	+ 0.22	+ 0.31	- 1.44	- 2.63
4270	+ 0.34	- 0.51	- 0.90	+ 2.06	+ 0.46	- 0.62	+ 0.99	+ 1.85	- 3.65	- 0.98
4271	+ 0.01	- 0.01	- 0.02	+ 2.20	- 0.49	- 0.08	+ 0.03	+ 0.07	- 4.10	+ 0.49
2207	+ 0.02	- 0.35	- 0.28	- 3.07	+ 1.70	- 0.91	+ 1.05	+ 1.40	- 1.44	- 1.08
2212	- 1.38	+ 0.26	+ 0.36	- 1.14	- 2.21	- 1.37	+ 0.45	+ 0.62	- 1.11	- 2.19
2210	+ 2.73	- 0.49	- 0.69	+ 2.70	+ 4.37	- 1.27	+ 0.32	+ 0.48	- 0.82	- 2.47
2211	+ 0.42	+ 0.00	+ 0.01	- 0.13	+ 0.91	+ 1.33	- 0.16	- 0.25	+ 3.06	+ 1.82
2209	+ 0.49	- 0.38	- 0.56	+ 1.12	+ 0.69	- 0.60	+ 0.53	+ 0.84	- 0.24	- 1.17
4272	+ 1.25	- 0.54	- 1.21	+ 7.00	+ 1.71	- 0.25	- 0.10	- 0.30	+ 2.85	- 1.18
4273	- 0.26	+ 0.32	+ 1.61	- 0.14	- 1.47	- 0.25	+ 0.16	+ 0.61	+ 1.61	- 1.30
4274	+ 0.10	- 0.31	- 0.93	+ 5.11	- 0.36	- 1.17	+ 1.09	+ 2.34	- 0.59	- 2.83
4275	+ 0.34	- 0.23	- 0.31	+ 0.66	+ 0.45	- 0.74	+ 0.64	+ 0.95	- 1.89	- 1.00
2213	- 0.66	+ 0.84	+ 1.36	- 1.70	- 0.88	- 0.22	+ 0.01	+ 0.01	- 3.16	+ 0.76

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
4243	1.34	0.89	0.96	3.45	2.05	1.40	0.81	0.86	3.51	2.34	2.02	1.39		0.49	0.65	
4245	1.38	1.06	1.15	3.08	1.96	1.39	0.89	0.94	3.22	2.01	1.09	4.01	4.40	2.57	4.60	
4246	1.01	0.81	0.90	3.14	1.93	0.93	0.68	0.74	3.11	1.72	0.58	0.65	0.59	0.86	1.15	
4247	0.80	0.45	0.47	2.98	1.66	0.86	0.61	0.65	3.12	1.66	2.49	2.51	2.18	1.26	1.17	
4248	0.87	0.48	0.50	3.43	1.06	0.89	0.59	0.62	3.73	1.09	1.79	1.66	1.03	1.19	1.27	
2189	1.24	0.57	0.58	2.60	1.56	1.12	0.47	0.48	2.31	1.40	0.99	2.11	1.23	1.94	1.03	
2188	0.98	0.52	0.54	2.51	1.24	1.16	0.62	0.65	3.21	1.62	2.20	3.13	0.69	3.48	1.03	t
2190	0.67	0.96	1.12	1.32	0.78	0.68	0.65	0.70	1.41	0.81	1.47	0.74	0.80	1.63	0.37	
4251	0.73	0.72	0.92	2.98	1.01	0.79	0.78	0.99	3.43	1.12	1.57	1.16		0.49	1.48	
2191	1.00	0.39	0.40	2.11	1.29	0.96	0.43	0.44	2.22	1.20	2.56	2.15	2.54	2.73	0.22	t
4252	0.75	1.39	1.68	2.28	0.79	0.76	0.95	1.03	2.52	0.81	0.96	1.30	0.11	1.52	0.62	
4253	0.84	0.78	0.85	2.85	0.97	0.93	0.65	0.68	3.22	1.12	1.30	1.76	0.67	1.26	0.83	
4254	0.67	1.01	1.39	2.41	0.74	0.81	1.04	1.43	2.72	0.94	0.84	1.27		1.45	0.01	
4255	0.74	0.83	0.99	2.38	0.87	0.75	0.69	0.77	2.32	0.92	2.77	2.41	1.75	1.72	0.95	t
4256	0.97	0.76	0.84	2.46	1.68	0.91	0.75	0.85	2.43	1.39	1.18	1.71		1.75	1.98	
4257	0.79	0.84	0.96	2.71	0.92	0.92	0.78	0.87	3.21	1.12	1.07	1.02		0.66	0.95	
4258	1.01	0.59	0.62	3.33	1.70	1.02	0.59	0.62	3.24	1.73	1.24	1.08	1.81	0.86	1.98	
4259	1.04	0.66	0.68	2.42	1.28	0.94	0.67	0.70	2.33	1.12	1.24	1.42	0.21	0.97	1.29	
2196	1.20	0.47	0.48	2.57	1.51	1.14	0.53	0.54	2.62	1.38	2.69	1.45	0.89	2.55	1.43	
2193	0.85	1.30	1.77	1.68	1.03	0.92	1.06	1.31	1.91	1.16	0.80	0.98	0.78	1.11	0.47	
4260	0.70	1.18	1.40	2.23	0.75	0.75	0.97	1.08	2.52	0.81	0.97	1.35		1.05	0.87	t
2199	0.94	0.41	0.42	2.04	1.19	0.94	0.50	0.51	2.13	1.19	0.69	3.19	0.82	2.31	0.77	
2194	0.85	0.76	0.79	1.68	0.89	1.24	0.70	0.72	2.41	1.64	1.47	1.04	0.34	0.66	1.95	t
4261	1.23	0.60	0.62	3.38	1.69	1.17	0.63	0.65	3.33	1.54	1.37	0.44	0.74	1.26	1.49	
4262	1.34	0.73	0.76	3.13	1.87	1.30	0.70	0.73	3.12	1.77	3.22	1.49	2.65	2.10	0.79	
2198	0.75	0.67	0.73	1.27	0.98	0.87	0.78	0.85	1.52	1.19	1.21	1.03	2.58	1.74	0.80	t
2197	0.71	0.59	0.63	1.77	0.78	1.00	0.74	0.80	2.61	1.26	1.01	0.69	0.29	1.29	0.63	t
2200	1.14	0.49	0.50	2.37	1.43	1.19	0.56	0.57	2.41	1.57	0.38	1.35	1.23	0.84	0.94	t
2202	0.98	0.47	0.48	3.99	1.86	1.00	0.47	0.48	4.31	1.93	2.10	1.34	3.32	1.78	0.31	t
4264	0.75	0.78	1.19	2.87	1.01	0.87	0.90	1.43	3.02	1.18	0.71	1.59		2.09	0.40	
4265	1.07	0.71	0.75	2.67	1.42	1.06	0.63	0.66	2.73	1.40	2.84	1.00	2.55	2.40	1.07	
4266	0.88	0.68	0.75	3.26	1.51	0.92	0.81	0.95	3.23	1.46	0.21	1.56	1.12	0.66	0.60	
4267	0.72	0.73	0.80	2.28	0.82	0.85	0.70	0.76	2.52	1.04	2.51	1.46	1.55	2.27	0.36	
4268	1.05	0.49	0.50	2.50	1.57	0.97	0.54	0.56	2.43	1.36	0.78	0.43	0.35	0.48	1.03	
2206	0.58	0.92	1.16	1.23	0.67	0.59	0.94	1.19	1.31	0.69	3.50	2.84	2.49	1.53	1.10	t
2205	0.69	0.75	0.81	1.30	0.84	0.75	0.66	0.70	1.51	0.92	0.32	1.91	1.60	1.52	0.75	t
4269	0.67	0.92	1.08	2.20	0.74	0.88	0.77	0.86	2.82	1.04	1.70	0.87	1.38	1.53	0.98	
2208	1.18	0.46	0.47	2.51	1.65	1.12	0.46	0.47	2.51	1.48	0.91	1.92	3.75	0.81	0.35	
4270	0.60	0.59	0.66	2.38	0.68	0.67	0.74	0.86	2.55	0.77	2.35	2.71	1.78	1.19	1.31	
4271	1.02	0.67	0.72	3.34	1.65	0.98	0.68	0.74	3.42	1.46	1.35	0.36	0.51	1.43	0.62	
2207	0.55	0.75	0.82	0.97	0.61	0.68	0.78	0.85	1.42	0.79	2.64	3.26	0.54	4.18	0.60	t
2212	1.00	0.48	0.49	2.14	1.29	0.96	0.59	0.61	2.12	1.22	1.04	2.78	0.93	0.61	1.81	t
2210	1.42	0.62	0.63	3.49	1.78	1.54	0.71	0.73	3.71	2.08	1.01	2.98	1.11	0.58	0.64	
2211	1.03	0.34	0.35	2.42	1.44	1.07	0.45	0.46	2.51	1.53	1.30	1.44	1.34	0.56	1.22	t
2209	0.99	0.98	1.10	2.42	1.18	0.99	1.00	1.13	2.41	1.21	0.77	1.52	1.89	0.38	0.70	t
4272	1.04	0.80	0.89	2.94	1.48	1.04	0.76	0.83	3.02	1.50	2.83	1.82	2.51	2.00	1.02	
4273	1.03	1.07	1.43	3.77	1.36	0.96	0.87	1.04	4.11	1.37	1.92	0.49		0.75	1.15	t
4274	0.87	1.02	1.32	2.74	1.06	0.82	0.79	0.92	2.62	1.04	3.73	2.24		2.03	1.60	
4275	0.76	0.86	0.97	2.25	0.88	0.78	0.77	0.85	2.42	0.90	1.19	1.76	0.48	0.36	0.98	
2213	0.85	0.90	1.02	1.79	1.05	0.87	0.59	0.62	1.91	1.14	2.19	1.62	2.10	1.81	0.63	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4276	14038	FX		3 0 48.418942	- 20 41 37.45079	+ 10.67	+ 3.69
4277	14074	FX		3 1 20.519213	- 8 24 31.40653	- 5.22	- 25.36
2215	14086	BX	ϵ For	3 1 37.635352	- 28 5 29.59599	+ 279.87	- 441.21
4278	14102	FX		3 1 51.840127	- 69 41 2.31273	+ 61.33	+ 3.88
2214	14109	RS	49 Ari	3 1 54.141258	+ 26 27 44.47024	- 14.02	+ 4.52
2216	14110	RS		3 1 56.119177	- 9 57 41.05870	+ 43.86	- 4.90
4279	14282	FX		3 4 6.188874	- 5 14 35.97604	- 7.36	- 0.43
2218	14315	RS		3 4 38.066885	+ 1 51 48.97707	+ 26.27	- 0.35
4280	14336	FX		3 4 50.730264	+ 46 20 14.55577	- 14.67	- 15.98
4281	14358	FX		3 5 15.048543	+ 0 51 11.37429	+ 43.30	- 30.53
2217	14382	BX		3 5 32.411244	+ 56 42 20.58229	- 13.64	+ 69.60
4283	14428	FX		3 6 15.116129	+ 85 51 48.87715	- 9.62	+ 2.54
2220	14439	BX		3 6 23.685995	+ 13 11 14.10151	- 2.63	- 62.63
4284	14494	FX		3 7 12.817437	- 1 48 9.90193	- 19.03	- 15.78
4285	14586	FX		3 8 21.109074	+ 18 47 42.17975	+ 37.97	- 15.46
4286	14623	FX		3 8 52.445591	- 24 53 15.53137	+ 226.34	+ 136.57
4287	14643	FX		3 9 13.541703	- 26 42 56.38910	+ 9.60	+ 10.34
4288	14671	FX		3 9 33.815971	- 31 15 11.96777	+ 15.76	+ 33.71
4289	14674	FX		3 9 35.491611	- 18 3 56.15236	+ 11.62	- 4.91
2223	14710	RS		3 10 3.982833	- 50 49 56.57236	+ 98.51	+ 28.94
4290	14724	FX		3 10 11.151081	+ 68 21 46.52523	+ 13.44	- 10.74
4291	14784	FX		3 10 52.272542	+ 32 13 35.36360	+ 52.03	- 17.73
4292	14790	FX		3 11 0.186620	+ 53 8 35.86549	- 4.66	- 12.03
4293	14833	FX		3 11 31.711111	+ 60 38 6.43221	+ 7.11	- 19.97
2222	14862	RS		3 11 56.269781	+ 74 23 37.17050	+ 14.42	- 86.52
4294	14967	FX		3 12 56.602159	- 42 22 26.31047	+ 36.09	+ 34.18
4295	14984	FX		3 13 8.760207	+ 25 30 54.31013	+ 14.86	- 9.32
4296	15049	FX		3 13 54.901534	- 6 39 52.98095	+ 74.27	- 138.47
4297	15096	FX		3 14 45.887979	- 33 51 40.34055	+ 42.17	+ 24.12
4298	15115	FX		3 14 55.694187	+ 4 18 0.65616	+ 3.38	- 5.51
2229	15147	RS		3 15 15.163058	- 20 1 8.54176	+ 28.17	- 4.85
4300	15298	FX		3 17 22.401997	+ 9 6 21.49038	+ 27.89	- 2.62
2233	15305	BX		3 17 26.595838	- 47 45 5.99424	- 7.13	+ 29.88
2230	15334	BX		3 17 45.754481	+ 39 17 0.14071	+ 22.78	- 17.00
2235	15353	RS		3 17 59.074503	- 66 55 36.66692	+ 57.27	+ 13.59
4302	15375	FX		3 18 15.172929	+ 12 49 25.80791	+ 9.71	- 10.56
4303	15392	FX		3 18 25.733958	- 24 6 6.50615	- 13.06	+ 3.87
2232	15416	RS		3 18 43.824907	+ 34 13 21.54796	+ 1.36	- 8.84
4304	15445	FX		3 19 9.824723	- 65 43 40.91468	- 29.43	+ 11.55
4305	15468	FX		3 19 27.350014	+ 36 52 34.49923	+ 5.79	- 24.37
4306	15519	FX		3 19 59.240715	+ 17 30 3.47296	+ 33.35	+ 44.82
2234	15549	BX		3 20 20.361260	+ 29 2 54.45345	- 7.53	- 16.08
2236	15648	BX	32 Per	3 21 26.558574	+ 43 19 46.73760	- 60.57	- 0.99
4307	15695	FX		3 22 11.640039	- 58 41 53.90608	+ 19.78	- 10.70
2237	15700	BX		3 22 16.285884	- 25 35 16.09553	+ 5.23	- 0.11
2238	15775	RS		3 23 17.331293	- 17 26 22.12805	- 14.79	+ 31.37
2239	15800	RS		3 23 36.305103	+ 0 54 36.31182	- 4.30	- 92.19
4308	15847	FX		3 24 7.823439	- 20 55 52.85228	- 24.08	- 26.35
2241	15850	RS		3 24 10.129531	+ 12 37 46.53130	+ 25.62	- 20.64
2240	15861	BX	64 Ari	3 24 18.475002	+ 24 43 26.63875	+ 15.91	- 49.98

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4276	91.17	0.61	0.67	91.34	0.58	0.68	3.29	0.76	P		7.35	2	11	1	3
4277	91.14	1.30	1.23	91.20	1.08	0.99	4.99	1.48	H		9.38		11	1	3
2215	91.22	0.55	0.58	91.31	0.44	0.52	32.94	0.72	H	+ 38.5	5.88		29	2	
4278	91.32	0.49	0.52	91.24	0.53	0.56	2.42	0.56	H		7.72		11	1	3
2214	91.22	0.80	0.73	91.16	0.59	0.64	15.24	0.87	H	- 1.0	5.91		19	1	1
2216	91.35	0.59	0.56	91.37	0.49	0.55	11.55	0.76	H	+ 11.5	5.84		19	1	1
4279	91.19	1.00	0.80	91.08	0.72	0.76	.21	1.06	H		7.18		31		
2218	91.03	0.79	0.75	91.29	0.69	0.69	9.65	0.97	H	+ 1.4	6.05		19	1	1
4280	91.12	0.92	0.90	91.12	0.71	0.84	4.82	1.19	H		8.73		11	1	3
4281	91.06	1.27	0.65	91.39	0.96	0.69	13.13	1.49	H		8.32		11	1	3
2217	91.02	0.52	0.48	91.35	0.48	0.55	15.95	0.76	H	- 45.2	4.77		39		
4283	91.39	0.59	0.53	91.25	0.60	0.60	3.21	0.70	H		8.79		31		
2220	91.11	0.71	0.49	91.42	0.49	0.47	10.21	0.82	H	- 15.4	5.64		19	1	1
4284	91.03	0.80	0.56	91.06	0.60	0.49	1.73	0.92	H		6.95		11	1	3
4285	91.05	0.81	0.55	91.32	0.58	0.59	5.72	1.05	H	+ 43.3	6.24	1	39		
4286	91.26	0.61	0.68	91.44	0.58	0.70	33.14	0.87	H		7.29		11	1	3
4287	91.31	0.70	0.70	91.39	0.58	0.68	6.95	0.89	H		7.66		31		
4288	91.18	0.47	0.47	91.14	0.55	0.56	3.03	0.86	H		8.09		31		
4289	91.36	1.08	1.20	91.40	0.91	1.14	1.33	1.53	H		8.97		13		
2223	91.30	0.54	0.53	91.24	0.54	0.56	12.89	0.63	H		7.57		11	1	3
4290	91.34	0.56	0.55	91.16	0.74	0.75	2.40	1.00	H		8.94		11	1	3
4291	91.32	0.74	0.54	91.15	0.60	0.52	5.25	0.91	H		7.26		21	2	
4292	91.16	0.74	0.62	91.22	0.71	0.69	8.11	0.97	H		7.37		11	1	3
4293	91.13	0.67	0.60	91.30	0.61	0.67	7.07	0.89	H	+ 9.0	7.31		38		
2222	91.20	0.37	0.38	91.02	0.41	0.47	20.15	0.54	H	+ 11.9	4.85		39		
4294	91.27	0.56	0.57	91.26	0.64	0.63	7.87	0.76	H		8.26		11	1	3
4295	91.18	1.10	0.88	91.22	0.78	0.76	5.10	1.34	H	- 12.0	8.60		11	1	3
4296	91.01	0.91	0.80	91.56	0.53	0.68	11.58	1.09	H		7.74		31		
4297	91.23	0.60	0.69	91.22	0.79	0.88	13.55	1.08	H		8.79		11	1	1
4298	91.19	1.07	0.70	91.74	0.85	0.74	4.14	1.23	H		8.85		31		
2229	91.06	0.53	0.59	91.28	0.49	0.61	5.25	0.81	H	+ 22.8	7.02		19	1	1
4300	91.27	1.30	0.77	91.32	0.98	0.82	5.40	1.61	H		9.28		11	1	3
2233	91.29	0.47	0.54	91.26	0.48	0.55	6.89	0.58	H	- 9.	5.84		21	2	
2230	91.37	0.62	0.41	91.20	0.48	0.48	5.37	0.76	H	+ 10.	5.97		39		
2235	91.30	0.45	0.44	91.33	0.51	0.58	17.24	0.53	H	+ 22.6	6.03		21	2	
4302	91.18	1.00	0.67	91.42	0.88	0.68	5.71	1.22	H	+ 16.1	7.76		15	1	3
4303	90.91	0.69	0.84	91.39	0.79	1.00	7.78	1.37	H		8.54		13		
2232	91.07	0.63	0.56	91.13	0.48	0.65	2.21	0.76	H	+ 1.5	4.85		11	1	3
4304	91.40	0.50	0.49	91.25	0.53	0.57	9.39	0.58	H		7.31		31		
4305	91.19	0.79	0.71	91.15	0.55	0.69	3.28	0.99	H		7.94		21	2	
4306	91.09	0.83	0.67	91.37	0.76	0.72	7.24	1.22	H		7.77		11	1	3
2234	91.07	0.72	0.58	91.08	0.56	0.58	5.09	0.90	H	- 2.8	4.47	1	11	1	3
2236	91.28	0.54	0.39	91.25	0.49	0.46	21.00	0.66	H	- 9.0	4.96		29	2	
4307	91.52	0.51	0.50	91.54	0.55	0.59	2.34	0.62	H		7.66		11	1	3
2237	90.87	0.45	0.41	91.15	0.49	0.47	7.25	0.72	H	+ 17.9	6.36		18		
2238	91.46	0.59	0.63	91.25	0.48	0.58	6.12	0.73	H		6.70		11	1	3
2239	91.02	0.70	0.74	91.14	0.48	0.68	8.83	0.82	H		6.47		31		
4308	91.01	0.55	0.71	91.25	0.67	0.97	6.46	1.04	H		7.14		21	2	
2241	91.18	0.75	0.66	91.25	0.52	0.59	7.06	0.86	H	+ 20.5	6.03		11	1	3
2240	91.11	0.75	0.52	91.45	0.69	0.53	14.18	0.98	H	+ 12.7	5.50		29	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4276	- 0.50	+ 0.28	+ 0.75	- 3.58	- 0.90	- 0.16	+ 0.17	+ 0.50	- 5.50	+ 0.54
4277	- 0.35	+ 0.35	+ 1.35	+ 0.85	- 2.23	+ 0.08	- 0.04	- 0.17	+ 7.04	- 2.02
2215	- 5.45	+ 2.67	+ 3.11	- 3.94	- 7.94	+ 5.06	+ 0.29	+ 0.32	+ 5.17	+ 6.42
4278	- 0.60	+ 0.07	+ 0.22	- 4.04	- 1.57	+ 0.67	- 0.09	- 0.31	+ 3.70	+ 2.08
2214	- 0.03	+ 0.14	+ 0.17	+ 2.41	- 0.87	- 0.73	+ 0.30	+ 0.41	- 4.44	+ 0.09
2216	+ 0.36	- 0.20	- 0.32	+ 0.67	+ 0.56	+ 2.31	- 0.39	- 0.62	+ 5.53	+ 3.16
4279	+ 0.00	- 0.02	- 1.52	- 0.54	+ 0.39	- 0.02	+ 0.03	+ 1.14	- 7.68	+ 0.80
2218	- 0.12	- 0.04	- 0.10	+ 0.46	- 0.27	+ 0.88	- 0.17	- 0.33	- 2.81	+ 2.88
4280	- 0.50	+ 0.52	+ 1.35	- 0.05	- 1.51	+ 0.19	- 0.11	- 0.28	- 1.94	+ 0.78
4281	+ 0.42	- 0.29	- 0.28	- 1.25	+ 0.85	- 1.01	+ 0.77	+ 1.10	- 2.68	- 1.08
2217	- 0.17	+ 0.13	+ 0.15	- 0.19	- 0.20	- 1.46	+ 0.58	+ 0.74	- 3.16	- 1.40
4283	+ 0.32	- 0.13	- 0.29	+ 2.54	+ 0.39	- 0.59	+ 0.19	+ 0.49	- 7.79	- 0.45
2220	+ 0.32	- 0.52	- 0.68	+ 1.68	- 0.10	+ 0.02	- 0.04	- 0.05	+ 1.46	- 0.42
4284	- 0.30	+ 0.35	+ 0.98	- 0.53	- 0.90	- 0.02	+ 0.11	+ 0.37	- 1.86	+ 0.07
4285	+ 0.39	- 0.18	- 0.09	- 2.32	+ 0.81	- 0.73	+ 0.68	+ 1.13	+ 1.99	- 1.42
4286	+ 0.84	- 0.32	- 0.43	+ 3.22	+ 0.52	+ 0.12	- 0.18	- 0.25	+ 1.59	- 0.15
4287	- 1.44	+ 0.56	+ 0.99	- 2.09	- 2.64	+ 0.97	- 0.24	- 0.35	- 4.17	+ 3.01
4288	- 0.62	+ 0.10	+ 0.23	+ 1.33	- 2.16	- 1.39	+ 0.36	+ 0.90	- 6.36	- 2.95
4289	+ 0.09	- 0.08	- 0.98	+ 5.35	- 0.70	+ 0.04	- 0.04	- 0.54	+ 4.45	- 1.39
2223	+ 0.00	+ 0.01	+ 0.02	+ 3.45	- 0.90	+ 2.05	- 0.23	- 0.40	+ 3.18	+ 3.78
4290	+ 0.17	- 0.05	- 0.11	- 0.37	+ 0.52	+ 0.11	- 0.03	- 0.11	- 0.23	+ 0.40
4291	- 1.91	+ 1.20	+ 1.90	- 2.30	- 3.08	+ 0.56	+ 0.00	+ 0.08	+ 1.79	+ 0.64
4292	+ 0.42	- 0.21	- 0.18	- 2.09	+ 0.81	- 0.60	+ 0.90	+ 1.48	+ 0.99	- 1.13
4293	- 1.40	+ 0.38	+ 0.65	- 7.42	- 1.94	- 0.70	+ 0.08	+ 0.18	- 8.08	- 0.48
2222	- 0.30	+ 0.04	+ 0.04	- 0.25	- 0.37	- 1.27	+ 0.25	+ 0.31	- 2.91	- 1.25
4294	+ 0.25	- 0.05	- 0.09	+ 2.52	- 0.40	- 0.05	+ 0.01	+ 0.02	+ 3.39	- 1.20
4295	+ 0.05	- 0.05	- 0.11	- 1.46	+ 0.36	- 0.43	+ 0.25	+ 0.54	+ 2.19	- 1.50
4296	- 0.62	+ 0.57	+ 0.89	- 5.29	- 0.18	+ 0.66	- 0.21	- 0.30	+ 4.25	+ 0.35
4297	- 0.21	- 0.03	- 0.06	- 0.77	- 0.21	- 1.85	+ 0.48	+ 0.94	- 3.64	- 3.75
4298	+ 0.13	- 0.63	- 1.89	+ 0.04	+ 0.52	+ 0.34	- 0.64	- 1.82	+ 5.59	+ 0.00
2229	- 0.05	+ 0.03	+ 0.06	+ 3.78	- 1.30	- 0.32	+ 0.06	+ 0.14	+ 0.09	- 1.18
4300	+ 0.21	- 0.88	- 2.38	+ 0.37	+ 0.59	- 0.28	+ 0.47	+ 0.91	+ 2.23	- 1.06
2233	- 0.88	+ 0.15	+ 0.23	- 2.97	- 0.80	- 1.23	+ 0.26	+ 0.43	- 5.24	- 0.94
2230	+ 0.40	- 0.44	- 0.55	- 1.27	+ 1.39	- 0.54	+ 0.21	+ 0.31	- 3.26	+ 0.42
2235	+ 0.92	- 0.08	- 0.12	- 1.68	+ 2.62	+ 2.07	- 0.36	- 0.52	- 3.87	+ 5.45
4302	+ 0.04	+ 0.15	+ 0.55	- 4.71	+ 0.43	- 0.28	+ 0.52	+ 1.09	- 0.27	- 0.57
4303	+ 0.01	+ 0.14	+ 0.42	- 2.69	+ 1.12	- 0.61	+ 0.24	+ 0.69	- 1.58	- 1.72
2232	+ 0.10	- 0.04	- 0.07	+ 1.14	- 0.06	- 0.18	+ 0.04	+ 0.16	+ 2.62	- 1.62
4304	+ 1.89	- 0.17	- 0.33	+ 7.49	+ 2.48	- 1.08	+ 0.15	+ 0.29	+ 4.79	- 4.17
4305	+ 0.92	- 1.17	- 2.92	+ 1.69	+ 2.44	- 0.12	+ 0.00	- 0.04	+ 4.16	- 0.99
4306	- 0.04	+ 0.21	+ 0.42	- 0.62	- 0.04	- 0.34	+ 0.31	+ 0.59	+ 0.47	- 0.77
2234	+ 0.33	- 0.41	- 0.68	+ 0.35	+ 0.66	+ 0.24	- 0.19	- 0.34	- 0.39	+ 0.83
2236	- 0.14	+ 0.10	+ 0.14	- 2.98	+ 1.26	- 1.27	+ 0.51	+ 0.61	- 5.78	+ 0.20
4307	+ 0.20	- 0.01	- 0.01	+ 1.71	+ 0.38	- 0.79	+ 0.18	+ 0.58	- 7.05	- 1.84
2237	+ 0.59	- 0.13	- 0.12	+ 0.97	+ 0.60	- 1.03	+ 0.58	+ 0.77	- 1.18	- 1.41
2238	+ 0.94	- 0.19	- 0.43	+ 5.37	+ 1.31	+ 0.69	- 0.11	- 0.25	- 2.42	+ 3.11
2239	+ 0.87	- 0.48	- 0.80	+ 5.12	+ 0.73	- 0.28	+ 0.01	+ 0.01	+ 0.96	- 0.90
4308	+ 1.41	- 0.56	- 1.52	+10.51	+ 1.02	+ 0.47	- 0.78	- 2.21	+ 4.30	+ 0.85
2241	- 0.25	+ 0.23	+ 0.35	+ 0.91	- 0.91	+ 0.79	- 0.45	- 0.68	+ 0.55	+ 1.47
2240	- 0.22	- 0.08	- 0.19	+ 0.58	- 0.60	+ 1.05	- 1.16	- 1.44	+ 0.28	+ 1.72

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
4276	0.91	0.74	0.84	3.12	1.26	1.00	0.73	0.81	3.21	1.56	2.22	1.10	1.98	1.87	0.46	
4277	1.39	1.37	1.71	3.45	2.05	1.26	1.06	1.21	3.41	1.97	1.57	1.99		2.42	1.35	
2215	0.97	0.72	0.75	1.74	1.16	1.18	0.58	0.60	2.51	1.44	4.24	9.32	10.60	1.96	3.65	t
4278	0.91	0.53	0.56	3.30	1.68	0.93	0.57	0.60	3.34	1.72	1.74	1.68	1.68	0.80	0.97	
2214	0.99	1.00	1.09	2.17	1.12	1.06	0.74	0.77	2.41	1.31	2.12	0.70	0.88	2.13	0.41	t
2216	1.14	0.61	0.63	2.96	1.42	1.25	0.57	0.59	3.01	1.74	2.03	2.12	1.39	0.68	0.50	t
4279	0.80	0.83	1.74	2.43	0.99	0.78	0.78	1.19	2.62	1.21	3.07	0.96	1.01	2.96	1.21	
2218	1.16	0.84	0.91	3.46	1.45	1.34	0.73	0.77	3.91	1.92	0.65	1.57	0.58	1.32	0.83	t
4280	1.06	1.06	1.27	3.65	1.35	1.07	0.95	1.09	3.92	1.42	1.66	0.55		0.75	1.12	t
4281	0.79	1.00	1.13	2.14	0.88	0.93	0.95	1.05	2.32	1.09	1.87	1.51		1.10	0.27	
2217	0.71	0.65	0.67	1.30	0.83	0.96	0.63	0.65	2.02	1.18	1.86	1.63	2.92	0.75	0.70	t
4283	0.81	0.57	0.62	2.83	1.09	0.91	0.64	0.69	3.30	1.34	0.81	2.64		2.18	1.30	
2220	0.62	0.78	0.84	1.19	0.71	0.78	0.55	0.57	1.72	0.92	1.81	0.64	1.95	1.60	1.39	t
4284	0.65	0.66	0.82	1.99	0.84	0.57	0.61	0.75	2.22	0.69	1.16	1.60	1.07	0.85	0.64	
4285	0.66	0.83	1.00	2.33	0.73	0.74	0.83	0.99	2.72	0.83	0.95	2.49	1.52	1.76	0.36	t
4286	1.24	0.78	0.81	2.89	1.52	1.22	0.81	0.85	3.01	1.45	1.33	0.55	1.78	0.98	0.52	
4287	1.03	0.80	0.87	2.58	1.38	1.02	0.77	0.84	2.72	1.34	1.73	3.25	1.10	2.38	1.67	
4288	0.88	0.49	0.51	2.85	1.38	0.90	0.59	0.63	2.92	1.39	2.46	3.01	2.86	1.53	2.01	
4289	1.26	1.24	1.62	3.31	2.15	1.23	1.18	1.48	3.21	2.25	0.34	2.18		2.14	0.50	t
2223	1.41	0.55	0.56	4.00	1.96	1.42	0.58	0.59	4.31	1.96	1.18	2.09	1.22	0.98	1.11	
4290	0.80	0.59	0.66	3.22	1.13	0.92	0.82	0.97	3.54	1.32	0.61	0.09		0.31	0.99	
4291	0.77	0.65	0.71	2.69	0.90	0.74	0.63	0.68	2.82	0.86	1.63	4.43	4.71	0.48	3.26	
4292	0.78	0.88	1.00	2.91	0.87	0.82	1.02	1.20	3.23	0.90	0.63	2.13	2.01	1.14	1.28	
4293	1.05	0.65	0.68	4.22	1.34	1.21	0.70	0.74	4.62	1.70	2.59	1.77	1.68	1.98	0.90	t
2222	0.80	0.43	0.44	1.52	0.92	1.05	0.51	0.52	2.52	1.25	1.27	1.24	2.13	0.59	3.33	t
4294	1.11	0.61	0.63	2.58	1.62	1.07	0.69	0.73	2.62	1.47	0.76	1.58		1.80	0.98	
4295	1.03	1.05	1.27	3.40	1.30	1.01	0.85	0.95	3.21	1.35	1.26	0.62		1.17	0.60	
4296	1.02	1.03	1.14	2.86	1.21	1.09	0.78	0.83	3.12	1.34	2.47	0.79	2.51	2.01	1.15	
4297	1.46	0.72	0.74	3.77	2.15	1.53	0.94	0.99	3.92	2.27	1.90	1.15		0.13	0.66	t
4298	0.77	0.99	1.35	2.28	0.90	0.88	0.94	1.21	2.52	1.11	1.64	2.69		2.04	0.68	
2229	1.09	0.61	0.64	3.12	1.67	1.17	0.63	0.66	3.31	1.96	1.17	0.98	2.22	1.48	1.13	t
4300	0.81	1.26	1.87	2.71	0.89	0.90	1.13	1.49	2.72	1.06	1.96	0.91		1.13	1.15	
2233	0.99	0.58	0.61	2.25	1.39	1.00	0.59	0.62	2.41	1.37	2.68	1.16	3.96	1.75	1.88	
2230	0.57	0.54	0.58	1.07	0.68	0.72	0.58	0.62	1.42	0.94	2.36	2.16	0.36	3.00	0.84	t
2235	1.38	0.45	0.46	3.14	1.90	1.34	0.61	0.62	3.21	1.78	1.14	3.46	0.81	2.79	0.30	
4302	0.75	1.07	1.42	2.81	0.82	0.79	0.98	1.24	2.92	0.90	1.69	1.13	1.59	1.76	0.38	t
4303	1.35	0.91	1.02	3.18	2.21	1.44	1.08	1.23	3.41	2.40	0.98	1.09		0.98	1.47	t
2232	0.73	0.63	0.72	1.88	1.04	0.89	0.69	0.78	2.61	1.47	1.07	1.07	2.41	1.52	2.13	
4304	1.31	0.50	0.51	3.69	1.95	1.31	0.58	0.60	3.63	1.97	2.43	2.57	2.22	2.48	1.53	
4305	0.82	0.87	1.07	2.79	1.02	0.88	0.78	0.90	2.82	1.17	3.72	2.08		1.70	1.59	
4306	0.82	0.93	1.09	2.61	0.94	0.97	0.89	1.02	3.11	1.18	0.88	0.37		0.43	0.57	
2234	0.75	0.74	0.83	1.60	0.94	0.90	0.65	0.70	2.01	1.26	0.57	1.29	1.23	0.54	1.50	
2236	0.64	0.52	0.53	1.13	0.70	0.81	0.56	0.57	1.62	0.96	4.38	1.38	0.90	4.50	1.62	t
4307	0.87	0.51	0.54	3.47	1.48	0.90	0.61	0.65	3.53	1.48	1.52	2.19		1.41	0.76	
2237	0.63	0.52	0.55	1.26	0.77	0.71	0.60	0.64	1.61	0.84	1.42	2.32	1.44	0.28	0.21	t
2238	1.18	0.66	0.69	3.59	1.76	1.22	0.59	0.61	3.51	2.03	1.70	1.82	0.88	1.70	1.53	
2239	1.08	0.85	0.92	3.01	1.35	1.25	0.72	0.76	3.41	1.77	1.90	1.06	2.65	1.42	0.87	
4308	1.22	0.78	0.88	3.25	1.92	1.22	1.12	1.33	3.31	1.69	1.72	3.91		2.68	0.34	
2241	0.84	0.85	0.95	1.78	1.06	0.87	0.70	0.75	1.91	1.13	0.65	1.85	1.82	0.97	1.52	
2240	0.68	0.82	0.88	1.26	0.76	0.73	0.76	0.81	1.41	0.85	1.12	2.85	4.26	1.18	1.53	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4309	15874	FX		3 24 28.429 934	- 45 51 12.744 67	+ 9.69	+ 7.48
4310	15882	FX		3 24 34.483 187	+ 22 2 25.145 32	+ 24.38	- 17.82
4311	15927	FX		3 25 9.649 119	- 4 28 41.531 34	+ 44.12	+ 60.89
2243	15968	BX		3 25 36.252 871	- 69 20 11.170 39	- 0.36	+ 64.91
4312	16004	FX		3 26 5.216 755	+ 42 35 35.812 05	- 2.98	- 4.31
4313	16054	FX		3 26 44.440 515	- 9 31 8.619 50	- 1.71	- 8.78
2245	16163	RS		3 28 17.268 804	- 57 52 56.023 57	- 2.37	- 15.34
4315	16203	FX		3 28 46.651 761	+ 30 22 31.231 20	- 1.25	- 10.33
4316	16226	FX		3 29 3.803 513	+ 3 14 55.341 21	- 1.80	+ 7.93
2246	16263	RS		3 29 36.027 090	- 12 40 29.054 35	+ 7.58	+ 4.76
2248	16310	BX		3 30 13.579 241	- 41 22 11.774 48	- 10.74	- 172.67
2247	16358	RS		3 30 45.420 010	+ 6 11 19.333 31	+ 42.53	- 16.50
4318	16398	FX		3 31 9.137 335	+ 39 8 51.840 28	+ 39.80	- 29.06
2253	16409	RS		3 31 17.020 323	- 55 14 57.140 22	+ 23.26	+ 18.95
2249	16499	RS	36 Per	3 32 26.259 888	+ 46 3 24.699 15	- 52.65	- 75.07
2256	16531	RS		3 32 51.557 653	- 61 1 0.740 48	+ 77.42	+ 47.44
2251	16725	BX		3 35 12.313 056	+ 73 20 48.938 01	+ 9.29	- 24.76
4320	16815	FX		3 36 24.984 841	- 79 5 55.326 77	- 14.54	- 24.34
4321	16820	FX		3 36 26.177 807	+ 52 55 53.052 65	- 0.80	- 10.40
4322	16825	FX		3 36 29.370 417	- 52 46 39.715 85	+ 40.11	+ 21.53
4324	16859	FX		3 36 58.025 868	+ 23 12 39.849 62	- 13.87	- 18.28
4325	16875	FX		3 37 8.233 086	+ 65 21 12.993 16	- 4.07	- 19.38
4326	16939	FX		3 38 0.421 174	- 71 45 35.777 74	+ 1.45	+ 3.20
4327	16962	FX		3 38 13.058 403	+ 49 4 58.894 86	- 11.42	- 4.18
4328	17002	FX		3 38 42.201 310	- 35 12 15.300 77	+ 10.58	+ 19.92
4329	17049	FX		3 39 17.053 261	+ 13 53 29.379 78	+ 12.65	- 99.57
4330	17067	FX		3 39 29.021 521	- 39 7 15.386 98	+ 38.00	+ 22.30
4331	17082	FX		3 39 36.714 939	- 17 21 54.323 60	- 6.05	- 17.13
2258	17103	RS	12 Tau	3 39 51.121 461	+ 3 3 24.710 70	- 37.95	+ 8.64
4332	17117	FX		3 39 57.403 368	- 58 1 7.506 26	- 4.61	+ 14.26
2260	17167	BX	22 Eri	3 40 38.332 870	- 5 12 38.542 33	- 0.41	- 3.68
4333	17196	FX		3 40 56.100 664	+ 41 11 19.646 17	- 29.31	+ 88.28
4334	17211	FX		3 41 11.939 959	+ 58 50 41.752 23	+ 38.83	- 63.78
4335	17259	FX		3 41 49.065 008	+ 7 19 4.788 93	- 6.06	- 11.80
4336	17287	FX		3 42 3.459 850	- 84 5 0.547 32	- 9.51	+ 31.68
2264	17298	RS		3 42 9.855 563	- 45 57 28.398 98	- 72.42	+ 13.46
2263	17309	BX	13 Tau	3 42 18.947 320	+ 19 42 0.913 11	+ 4.10	- 13.26
4339	17417	FX		3 43 54.797 373	- 7 52 57.087 71	- 14.67	- 19.22
4340	17434	FX		3 44 5.770 859	+ 44 53 4.918 28	+ 4.17	- 6.13
4341	17442	FX		3 44 13.266 147	- 43 14 10.354 59	+ 0.60	+ 5.01
2268	17460	BX		3 44 31.432 389	+ 36 27 36.380 48	+ 49.01	- 40.39
2266	17475	BX		3 44 40.908 439	+ 46 5 59.324 78	- 2.50	- 24.06
2262	17523	RS		3 45 7.121 471	+ 74 32 33.278 93	+ 12.77	+ 17.81
4342	17553	FX		3 45 33.122 995	- 25 54 55.717 13	- 24.27	+ 0.13
4343	17565	FX		3 45 43.022 125	- 30 5 25.417 11	+ 1.24	+ 7.27
2267	17585	BX		3 46 0.939 545	+ 67 12 5.774 64	+ 82.29	- 113.89
4344	17649	FX		3 46 50.579 424	+ 35 27 13.426 65	- 4.34	- 1.16
4345	17673	FX		3 47 8.915 721	+ 87 53 48.253 83	+ 42.35	- 43.85
2271	17688	RS		3 47 19.716 052	- 50 45 14.468 96	- 23.94	- 57.46
2272	17738	RS	ϱ For	3 47 56.040 608	- 30 10 4.374 48	+ 26.13	- 230.88

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4309	91.32	0.67	0.67	91.21	0.66	0.68	2.97	0.80	H		8.17		11	1	3
4310	91.14	0.82	0.68	91.10	0.58	0.61	7.74	0.88	H	+ 8.7	6.91		11	1	3
4311	91.12	0.70	0.58	91.44	0.48	0.56	7.34	0.90	H		7.22		11	1	3
2243	91.29	0.45	0.42	91.24	0.47	0.48	25.45	0.50	H	+ 14.1	5.96		18		
4312	91.09	0.91	0.70	91.08	0.71	0.73	1.17	1.16	H		9.06		11	1	3
4313	91.33	1.19	1.12	91.51	0.76	0.90	3.54	1.40	H		9.29		11	1	3
2245	91.51	0.46	0.45	91.41	0.47	0.48	3.38	0.56	H		6.69		11	1	3
4315	91.28	0.85	0.58	91.13	0.58	0.65	2.03	0.47	P	- 4.8	7.06		11	1	3
4316	91.05	0.73	0.61	91.19	0.47	0.62	7.16	0.88	H		6.41		11	1	3
2246	90.97	0.64	0.61	91.32	0.46	0.52	7.76	0.71	H	+ 14.8	5.57	1	11	1	3
2248	91.21	0.41	0.45	91.21	0.46	0.49	29.33	0.55	H	+ 16.2	6.12		11	1	3
2247	91.23	0.78	0.87	91.36	0.52	0.88	6.31	0.96	H	+ 11.0	5.93		31		
4318	91.21	0.71	0.69	91.06	0.55	0.62	8.43	0.92	H		7.31		31		
2253	91.35	0.52	0.54	91.38	0.51	0.58	3.11	0.58	H		7.12	1	11	1	1
2249	91.05	0.58	0.55	91.07	0.44	0.51	27.46	0.70	H	- 49.	5.30		11	1	3
2256	91.29	0.51	0.57	91.15	0.51	0.60	7.60	0.55	H	+ 30.8	6.42		13		
2251	91.25	0.40	0.41	91.06	0.46	0.49	5.30	0.62	H	- 9.	6.56		21	2	
4320	91.33	0.47	0.43	91.12	0.49	0.56	6.38	0.53	H		6.84		11	1	3
4321	91.02	0.73	0.54	91.05	0.61	0.59	4.27	0.96	H		7.21		31		
4322	91.33	0.56	0.60	91.50	0.59	0.68	4.53	0.67	H	+ 42.0	7.66		31		
4324	91.43	0.79	0.54	91.36	0.51	0.48	7.46	0.96	H	- 6.5	6.72		11	1	3
4325	91.09	0.55	0.53	91.07	0.62	0.62	5.79	0.91	H	- 26.	8.10		11	1	3
4326	91.35	0.66	0.75	91.31	0.69	0.75	2.52	0.58	P		8.69		11	1	3
4327	91.24	0.60	0.55	91.20	0.56	0.55	4.05	0.79	H	- 19.	7.18		15	1	3
4328	91.31	0.45	0.46	91.16	0.53	0.54	3.86	0.70	H		7.04		31		
4329	90.98	0.81	0.57	91.13	0.55	0.50	14.68	0.93	H	- 25.5	6.67		11	1	3
4330	91.33	0.81	0.81	91.25	0.80	0.78	3.22	1.04	H		9.31		11	1	3
4331	91.64	0.72	0.70	91.15	0.65	0.70	7.12	0.90	H		6.86		11	1	3
2258	90.95	0.70	0.61	91.23	0.50	0.62	8.14	0.85	H	+ 22.5	5.55		31		
4332	91.54	0.68	0.61	91.35	0.61	0.59	2.82	0.75	H		8.69		11	1	3
2260	91.07	0.63	0.59	91.20	0.48	0.61	4.41	0.75	H	+ 16.4	5.53	1	11	1	3
4333	91.14	0.63	0.49	91.00	0.52	0.53	12.27	0.81	H		7.17		11	1	3
4334	91.11	0.65	0.58	91.11	0.59	0.68	11.54	0.80	H	- 3.3	6.84		11	1	1
4335	91.11	0.97	0.68	91.25	0.57	0.66	4.79	1.05	H		8.18		11	1	3
4336	91.20	0.54	0.57	91.20	0.55	0.66	5.11	0.67	H		7.67		11	1	3
2264	91.35	0.44	0.44	91.31	0.51	0.53	25.39	0.55	H	+ 37.	6.50		11	1	3
2263	91.12	0.81	0.53	91.02	0.53	0.58	7.97	1.02	H	- 10.	5.68		18		
4339	91.11	0.77	0.79	91.01	0.61	0.73	2.26	0.86	H	- 16.	7.64		11	1	3
4340	90.98	0.75	0.68	90.88	0.60	0.68	1.16	0.97	H	+ 7.7	7.52		11	1	3
4341	91.23	0.61	0.66	91.10	0.70	0.73	1.80	0.42	P		8.12	2	11	1	3
2268	91.24	0.65	0.45	91.12	0.50	0.51	9.83	0.88	H	+ 27.3	5.60		31		
2266	91.09	0.61	0.45	90.96	0.52	0.53	5.69	0.78	H	+ 8.6	6.10		39		
2262	91.23	0.41	0.39	91.11	0.48	0.52	3.67	0.63	H		6.71		21	2	
4342	91.07	0.50	0.53	91.27	0.53	0.50	7.32	0.80	H		6.97	1	31		
4343	91.46	0.58	0.59	91.43	0.81	0.80	3.17	0.73	P		8.52		33		
2267	91.35	0.32	0.27	91.20	0.41	0.39	18.06	0.62	H	+ 5.6	5.79	1	11	1	3
4344	91.36	1.21	0.81	91.17	0.89	0.84	.77	1.55	H		9.28		31		
4345	91.15	0.64	0.56	91.16	0.74	0.72	8.49	0.83	H		8.81		31		
2271	91.21	0.49	0.56	91.37	0.50	0.61	5.59	0.56	H		6.58		11	1	3
2272	91.46	0.36	0.36	91.35	0.43	0.46	11.55	0.65	H	+ 52.6	5.52		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4309	+ 0.11	+ 0.01	+ 0.06	+ 2.77	- 0.73	- 0.89	+ 0.34	+ 0.97	- 4.63	- 1.95
4310	+ 0.41	- 0.76	- 1.24	- 1.07	+ 0.91	+ 0.28	- 0.25	- 0.35	- 5.63	+ 1.09
4311	+ 0.75	- 0.52	- 0.74	+ 1.16	+ 1.04	- 0.63	+ 0.20	+ 0.25	- 1.81	- 0.68
2243	+ 0.31	- 0.04	- 0.05	- 0.46	+ 0.73	+ 0.36	- 0.08	- 0.10	+ 0.53	+ 0.41
4312	- 0.26	+ 0.22	+ 1.03	- 1.64	- 1.24	+ 0.19	- 0.09	- 0.40	- 0.26	+ 1.12
4313	- 0.23	+ 0.33	+ 1.52	+ 1.61	- 2.28	- 0.17	+ 0.15	+ 0.65	- 2.99	+ 0.19
2245	+ 0.26	- 0.04	- 0.14	- 0.63	+ 1.28	+ 0.97	- 0.10	- 0.30	+ 2.69	+ 3.34
4315	+ 0.20	- 0.24	- 0.53	+ 2.73	+ 0.28	- 0.26	+ 0.17	+ 0.45	- 3.59	- 0.38
4316	+ 0.24	- 0.37	- 0.59	+ 0.55	+ 0.37	+ 0.61	- 0.42	- 0.66	+ 2.91	+ 0.67
2246	- 0.25	+ 0.09	+ 0.16	- 3.61	+ 0.57	- 0.56	+ 0.11	+ 0.19	- 0.75	- 1.00
2248	- 1.60	+ 0.28	+ 0.34	- 2.14	- 1.92	+ 0.61	- 0.06	- 0.08	+ 1.34	+ 0.53
2247	- 0.03	- 0.04	- 0.15	+ 0.41	- 0.15	+ 0.19	- 0.11	- 0.29	+ 1.73	+ 0.05
4318	- 0.44	+ 0.57	+ 0.93	- 7.19	+ 0.00	- 0.91	+ 0.70	+ 1.05	+ 1.57	- 1.68
2253	- 0.40	+ 0.02	+ 0.14	- 1.65	- 2.37	- 0.74	+ 0.08	+ 0.32	- 0.98	- 4.03
2249	+ 0.06	- 0.11	- 0.12	- 2.75	+ 1.10	- 1.44	+ 0.26	+ 0.33	- 5.10	- 0.99
2256	- 0.33	+ 0.03	+ 0.06	+ 1.48	- 1.57	+ 0.32	- 0.03	- 0.07	- 8.51	+ 3.05
2251	+ 1.52	- 0.49	- 0.69	+ 6.16	+ 0.53	+ 0.13	+ 0.15	+ 0.23	- 1.50	+ 0.66
4320	- 0.35	+ 0.08	+ 0.12	- 1.46	- 0.23	+ 0.09	- 0.02	- 0.04	- 0.82	+ 0.41
4321	- 0.21	+ 0.29	+ 0.48	+ 4.56	- 0.76	- 0.35	+ 0.24	+ 0.44	+ 7.84	- 1.42
4322	+ 1.04	- 0.25	- 0.56	- 3.71	+ 3.99	- 0.77	+ 0.22	+ 0.54	- 2.48	- 1.72
4324	+ 0.48	- 1.04	- 1.55	+ 1.40	+ 0.62	- 0.17	+ 0.02	- 0.08	+ 2.70	- 0.43
4325	- 1.33	+ 0.53	+ 0.84	- 2.24	- 2.14	+ 0.26	- 0.09	- 0.16	+ 2.84	+ 0.13
4326	- 0.52	+ 0.15	+ 0.61	+ 0.41	- 2.65	- 0.03	+ 0.00	+ 0.03	+ 1.50	- 0.39
4327	+ 0.90	- 0.35	- 0.68	+ 0.83	+ 1.93	+ 0.28	- 0.20	- 0.39	- 0.30	+ 0.70
4328	+ 1.11	- 0.10	- 0.24	+ 4.37	+ 2.10	- 1.03	+ 0.13	+ 0.33	+ 3.54	- 4.05
4329	+ 0.04	- 0.07	- 0.08	- 0.64	+ 0.14	- 0.09	+ 0.14	+ 0.16	+ 0.87	- 0.19
4330	- 0.83	+ 0.22	+ 0.87	- 1.99	- 3.79	- 0.10	+ 0.03	+ 0.12	- 5.30	+ 1.02
4331	- 0.67	+ 0.26	+ 0.47	- 0.56	- 1.36	+ 0.28	- 0.04	- 0.05	+ 1.85	+ 0.17
2258	- 1.27	+ 0.93	+ 1.34	- 4.24	- 1.05	+ 1.00	- 0.23	- 0.32	- 0.11	+ 1.86
4332	- 0.55	+ 0.15	+ 0.45	- 0.80	- 2.03	- 0.34	+ 0.11	+ 0.33	- 1.19	- 0.88
2260	- 0.47	+ 0.31	+ 0.55	- 2.85	- 0.14	+ 0.22	+ 0.02	+ 0.04	+ 2.15	- 0.16
4333	+ 0.13	+ 0.07	+ 0.10	+ 1.44	- 0.05	- 0.34	+ 0.32	+ 0.41	+ 2.68	- 0.80
4334	+ 0.14	- 0.14	- 0.21	+ 3.09	- 0.26	+ 0.13	- 0.14	- 0.22	- 0.25	+ 0.28
4335	+ 0.20	- 0.37	- 0.78	+ 4.51	- 0.09	+ 0.05	- 0.08	- 0.17	- 0.49	+ 0.21
4336	- 0.11	+ 0.03	+ 0.06	- 3.43	+ 1.03	- 0.26	+ 0.06	+ 0.14	- 2.56	+ 0.17
2264	+ 1.27	- 0.09	- 0.13	+ 2.91	+ 1.70	- 0.29	+ 0.03	+ 0.05	+ 4.53	- 1.98
2263	- 0.38	+ 1.14	+ 1.72	- 1.67	+ 0.08	+ 0.06	+ 0.00	+ 0.02	+ 0.38	- 0.05
4339	- 0.22	+ 0.04	+ 0.17	- 2.50	- 0.33	+ 0.77	- 0.20	- 0.85	+ 4.99	+ 2.72
4340	+ 0.07	- 0.12	- 0.60	+ 5.04	- 0.04	+ 0.05	- 0.07	- 0.37	- 5.26	+ 0.79
4341	- 0.38	+ 0.09	+ 0.39	- 3.55	- 0.87	+ 0.20	- 0.07	- 0.28	+ 1.64	+ 0.56
2268	+ 0.03	- 0.54	- 0.77	- 1.01	+ 0.48	+ 0.60	- 0.77	- 1.05	- 0.58	+ 1.13
2266	- 0.78	+ 0.68	+ 0.95	- 2.78	- 0.23	+ 0.13	+ 0.19	+ 0.33	- 1.16	+ 0.44
2262	- 0.85	+ 0.17	+ 0.23	+ 1.64	- 2.69	- 1.87	+ 0.20	+ 0.59	- 7.32	- 4.27
4342	- 0.94	+ 0.39	+ 0.57	- 1.68	- 1.31	- 0.40	+ 0.20	+ 0.27	- 1.37	- 0.43
4343	- 0.77	+ 0.14	+ 0.42	- 2.15	- 2.37	+ 0.01	- 0.03	- 0.10	- 0.71	+ 0.27
2267	+ 0.21	- 0.19	- 0.21	- 0.12	+ 0.37	- 0.76	+ 0.47	+ 0.52	+ 0.47	- 1.24
4344	- 0.02	- 0.07	- 1.28	+ 5.82	- 0.48	+ 0.19	- 0.17	- 2.04	+ 5.07	+ 1.49
4345	- 0.82	+ 0.39	+ 0.56	+ 0.06	- 1.38	+ 0.31	- 0.23	- 0.39	- 7.95	+ 1.84
2271	- 0.31	+ 0.03	+ 0.08	- 2.45	- 0.42	+ 0.38	- 0.04	- 0.12	- 3.53	+ 2.74
2272	- 0.42	+ 0.05	+ 0.07	- 0.96	- 0.36	+ 0.63	- 0.13	- 0.18	+ 2.91	+ 0.04

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
4309	0.99	0.69	0.75	2.75	1.75	0.94	0.72	0.80	2.73	1.47	2.20	1.78	1.84	1.38	1.00	
4310	0.79	0.98	1.14	2.54	0.89	0.81	0.78	0.85	2.81	0.93	1.80	1.91	1.08	2.38	1.12	
4311	0.77	0.76	0.84	2.13	0.90	0.80	0.72	0.79	2.32	0.93	1.21	1.79	1.77	0.45	0.70	
2243	1.06	0.44	0.45	2.09	1.30	1.02	0.53	0.54	2.13	1.22	0.34	0.69	2.03	0.49	1.49	t
4312	0.77	0.76	0.97	3.02	1.08	0.82	0.78	0.96	3.12	1.24	1.92	0.85		0.43	1.37	
4313	1.23	1.26	1.67	2.85	1.82	1.12	0.97	1.14	2.92	1.77	1.54	1.17		1.48	1.49	
2245	1.02	0.46	0.47	3.61	1.86	1.03	0.49	0.50	4.01	1.89	0.75	1.99	0.78	0.49	0.84	
4315	0.64	0.77	1.09	2.62	0.74	0.74	0.80	1.09	3.02	0.92	1.77	1.04	1.02	1.36	0.13	
4316	0.76	0.83	0.93	2.30	0.87	0.89	0.73	0.79	2.72	1.08	1.34	1.22	1.30	0.77	1.34	
2246	1.02	0.67	0.71	2.50	1.35	1.08	0.55	0.57	2.71	1.50	1.49	0.80	1.22	1.47	0.82	
2248	1.11	0.48	0.49	2.27	1.34	1.16	0.53	0.54	2.42	1.44	1.22	1.65	0.93	0.30	0.49	
2247	1.06	1.08	1.33	2.69	1.35	1.18	1.02	1.22	3.01	1.65	0.64	0.17	2.55	0.52	1.68	
4318	0.88	0.91	1.01	3.05	1.00	0.88	0.75	0.81	3.32	1.01	2.53	2.17	2.28	2.43	1.10	
2253	1.12	0.54	0.55	5.05	2.65	1.10	0.59	0.61	4.81	2.28	0.44	2.06	0.68	0.59	1.12	t
2249	0.96	0.66	0.68	2.01	1.07	1.21	0.55	0.56	2.91	1.46	2.21	1.29	0.47	2.11	0.63	t
2256	1.43	0.58	0.59	5.03	2.49	1.40	0.61	0.63	4.91	2.35	1.73	1.44	1.29	2.19	0.58	t
2251	0.74	0.45	0.47	1.55	0.96	1.01	0.52	0.54	2.62	1.51	4.26	1.18	1.18	3.16	1.49	
4320	0.86	0.47	0.48	2.05	1.13	0.99	0.60	0.63	2.67	1.36	0.80	0.42	0.84	0.67	1.30	
4321	0.67	0.72	0.82	2.75	0.75	0.80	0.70	0.77	3.23	0.96	2.65	1.88	0.93	3.32	1.75	
4322	1.03	0.63	0.67	3.02	1.55	1.06	0.72	0.77	3.23	1.59	1.37	2.98	0.31	2.28	1.73	
4324	0.63	0.88	1.01	2.12	0.67	0.60	0.73	0.80	2.32	0.64	1.66	1.94	1.13	1.35	1.14	
4325	0.87	0.60	0.63	3.05	1.06	0.95	0.69	0.74	3.33	1.21	2.42	1.32		0.76	0.81	
4326	1.02	0.77	0.85	3.85	1.73	1.00	0.78	0.87	3.83	1.61	1.70	0.38		0.86	1.70	
4327	0.87	0.60	0.64	2.88	1.16	0.84	0.60	0.65	3.03	1.09	0.51	2.11	0.95	0.47	1.37	t
4328	0.98	0.47	0.49	2.97	1.60	1.01	0.56	0.58	3.42	1.64	1.78	2.91	2.49	2.11	1.94	
4329	0.69	0.91	0.99	2.08	0.74	0.66	0.76	0.80	2.52	0.68	0.37	0.40	1.15	0.54	0.41	
4330	1.14	0.84	0.91	3.75	2.05	1.09	0.81	0.88	3.52	1.85	2.13	1.67		1.64	1.39	
4331	1.07	0.79	0.85	3.04	1.42	1.07	0.78	0.84	3.12	1.43	0.68	1.13	0.49	0.54	0.16	
2258	0.83	0.77	0.84	1.82	1.02	0.94	0.73	0.78	2.31	1.18	2.79	2.52	0.34	1.70	0.16	
4332	0.95	0.63	0.68	2.98	1.62	0.89	0.62	0.67	2.83	1.38	1.60	0.66		0.38	0.55	
2260	0.80	0.69	0.77	1.81	1.06	1.01	0.64	0.69	2.71	1.56	1.90	0.54	1.50	1.49	0.58	
4333	0.71	0.66	0.70	2.07	0.78	0.74	0.73	0.78	2.43	0.81	1.06	1.09	1.41	1.52	1.04	
4334	0.84	0.76	0.82	2.47	0.95	1.02	0.85	0.92	3.13	1.21	1.27	0.35	0.29	1.28	0.42	t
4335	0.77	0.95	1.16	2.57	0.89	0.86	0.79	0.89	2.72	1.07	0.53	1.88		1.71	0.19	
4336	0.96	0.61	0.65	2.28	1.40	1.12	0.69	0.73	2.89	1.85	1.73	0.63	2.03	1.85	0.37	
2264	1.52	0.46	0.46	4.29	1.92	1.64	0.54	0.55	4.31	2.27	1.25	1.27	1.34	1.36	1.71	
2263	0.60	0.95	1.10	1.03	0.74	0.75	0.79	0.87	1.51	0.93	2.27	1.24	1.82	1.41	1.21	t
4339	1.02	0.82	0.92	3.00	1.83	0.99	0.75	0.82	3.12	1.82	1.81	2.01		0.88	0.75	
4340	0.73	0.77	1.06	3.11	0.93	0.75	0.74	0.95	3.42	1.02	0.89	2.22		2.31	0.35	
4341	0.89	0.68	0.75	2.65	1.68	0.90	0.77	0.89	2.63	1.52	0.85	1.60		0.93	1.23	
2268	0.61	0.71	0.77	1.24	0.69	0.73	0.72	0.79	1.82	0.83	0.31	2.00	3.17	1.35	1.46	
2266	0.63	0.60	0.65	1.18	0.79	0.70	0.70	0.78	1.72	0.84	2.82	1.19	2.17	1.98	1.15	t
2262	0.75	0.42	0.44	1.70	1.07	1.01	0.54	0.56	3.02	1.76	2.69	3.69	4.03	2.33	2.80	
4342	0.85	0.60	0.63	2.32	1.05	0.77	0.60	0.63	2.42	0.89	1.14	1.68	2.50	0.39	0.83	
4343	0.99	0.61	0.64	3.02	1.73	1.04	0.85	0.96	3.12	1.63	0.86	1.53	2.99	0.29	0.96	t
2267	0.55	0.33	0.33	1.06	0.57	0.68	0.48	0.49	1.53	0.76	0.09	2.09	1.94	1.08	0.58	
4344	0.83	0.88	1.44	3.22	1.05	0.89	0.88	1.23	3.52	1.30	1.97	2.69		2.09	0.95	
4345	0.90	0.64	0.67	2.85	1.08	1.06	0.82	0.89	3.44	1.32	2.03	2.13		2.70	1.56	
2271	1.24	0.57	0.59	4.09	2.15	1.30	0.62	0.64	4.31	2.42	0.99	1.16	0.87	1.34	0.46	
2272	0.98	0.38	0.38	1.97	1.27	1.00	0.50	0.51	2.11	1.29	1.51	0.36	2.13	1.19	0.95	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2270	17792	RS		3 48 30.766 077	+ 9 38 45.412 99	+ 69.95	+ 10.25
2273	17805	BX		3 48 38.953 816	+ 0 13 40.288 52	+ 64.29	- 5.48
4346	17812	FX		3 48 41.890 786	+ 25 48 2.672 46	- 1.92	- 5.17
2274	17963	RS		3 50 25.072 742	+ 52 28 54.843 73	- 1.41	- 2.84
4348	17968	FX		3 50 29.907 862	- 60 25 39.688 08	+ 13.66	+ 17.90
4349	18057	FX		3 51 32.678 049	+ 61 21 52.558 39	- 1.84	- 14.30
4350	18059	FX		3 51 36.622 134	+ 22 1 52.875 16	+ 15.48	- 30.77
4351	18109	FX		3 52 17.111 498	- 0 39 20.187 80	+ 47.72	+ 2.64
4352	18187	FX		3 53 27.216 903	- 41 13 21.744 02	+ 28.81	+ 66.38
2278	18213	BX		3 53 38.946 583	- 34 43 56.272 33	+ 31.58	- 1.06
4353	18277	FX		3 54 34.961 443	- 9 31 13.329 53	- 5.53	- 4.43
4354	18318	FX		3 54 58.618 713	- 14 54 21.318 88	+ 4.01	- 13.20
4357	18383	FX		3 55 46.370 667	+ 56 55 8.478 59	+ 26.34	- 30.71
2279	18396	RS		3 55 58.173 564	+ 47 52 17.116 94	+ 18.00	- 20.08
4358	18454	FX		3 56 37.758 494	+ 3 3 28.387 27	+ 47.22	- 0.30
2284	18455	RS		3 56 37.930 690	- 9 45 3.035 96	+ 49.24	+ 5.77
4359	18468	FX		3 56 50.661 119	+ 84 49 9.618 67	+ 8.17	+ 11.64
2283	18471	BX	32 Tau	3 56 52.076 808	+ 22 28 40.693 37	+ 69.75	- 115.12
2281	18505	RS		3 57 25.445 414	+ 63 4 20.151 18	+ 7.67	+ 6.08
2286	18554	RS		3 58 15.233 222	- 49 36 35.986 29	+ 17.13	+ 37.05
4360	18605	FX		3 58 52.296 149	- 65 52 53.155 51	- 7.78	- 1.94
4361	18607	FX		3 58 53.864 299	- 51 5 26.615 10	+ 15.59	- 2.80
4362	18675	FX		3 59 55.804 838	+ 45 41 52.612 31	+ 17.65	- 12.26
2288	18735	RS		4 0 48.766 138	+ 18 11 38.402 78	+ 130.68	- 27.94
4363	18872	FX		4 2 44.454 633	- 86 14 43.269 16	+ 34.11	+ 18.01
4364	18894	FX		4 2 59.816 506	- 48 22 7.619 17	+ 7.12	+ 15.23
4365	18902	FX		4 3 6.574 188	+ 14 29 0.353 22	+ 21.41	- 13.27
2285	18913	RS		4 3 11.139 480	+ 78 12 9.958 56	- 8.10	- 17.95
2293	18990	RS		4 4 8.707 523	- 16 35 19.420 12	+ 93.94	- 61.53
2292	18993	RS		4 4 9.874 616	+ 2 49 37.016 76	+ 148.92	- 124.88
2290	19018	BX		4 4 27.161 948	+ 59 9 19.829 07	- 1.52	- 0.06
4367	19036	FX		4 4 39.595 444	+ 17 31 3.354 38	- 35.77	+ 8.01
4369	19065	FX		4 5 9.784 551	- 7 26 18.787 01	+ 4.63	+ 11.75
2294	19121	RS		4 5 56.507 629	- 8 51 21.969 82	+ 23.77	- 7.83
2291	19129	RS		4 6 3.182 011	+ 68 40 47.899 58	+ 7.27	+ 2.82
4371	19139	FX		4 6 8.063 843	+ 62 6 6.603 78	- 0.66	- 0.70
2295	19205	BX	ψ Tau	4 7 0.455 993	+ 29 0 4.691 18	- 92.12	+ 6.27
4372	19222	FX		4 7 10.780 309	+ 74 0 1.292 26	+ 27.24	- 65.20
4373	19277	FX		4 7 52.790 811	- 58 31 37.280 79	+ 5.12	+ 13.88
2296	19298	BX		4 8 13.110 823	+ 43 11 28.091 20	+ 8.66	- 19.72
2298	19376	RS		4 9 1.568 894	+ 13 23 53.791 12	+ 13.75	- 9.42
4374	19387	FX		4 9 9.803 121	- 20 42 16.058 77	+ 3.62	- 26.57
4375	19440	FX		4 9 49.140 470	- 3 34 24.632 37	+ 8.85	+ 7.77
3947	19454	BX		4 10 1.637 353	+ 86 37 34.103 25	+ 142.59	- 87.15
4376	19462	FX		4 10 3.277 865	- 41 55 27.477 33	+ 4.94	+ 15.62
4377	19469	FX		4 10 11.170 748	- 6 3 29.209 92	+ 25.38	- 7.50
4378	19480	FX		4 10 21.270 522	+ 39 13 32.599 41	+ 5.01	- 26.76
4380	19500	FX		4 10 41.116 892	+ 70 19 43.827 03	+ 6.36	- 3.50
2300	19525	RS		4 10 59.020 550	+ 33 35 12.448 63	- 2.08	- 9.25
2301	19554	BX	45 Tau	4 11 20.282 079	+ 5 31 22.976 08	+ 147.33	+ 5.67

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2270	91.04	0.88	0.73	91.10	0.49	0.69	4.61	1.01	H	- 78.6	6.68		21	2	
2273	91.18	0.75	0.49	91.33	0.52	0.50	6.58	0.88	H	+ 66.1	5.91		11	1	3
4346	91.21	1.04	0.87	91.04	0.76	0.80	2.54	1.20	H		8.44		11	1	3
2274	91.04	0.71	0.64	91.07	0.61	0.74	1.46	0.34	P	- 18.	6.97	1	11	1	3
4348	91.57	0.53	0.51	91.44	0.61	0.58	2.39	0.55	P		7.77	2	11	1	3
4349	90.93	0.67	0.69	90.99	0.74	0.81	1.66	1.11	H		8.52		35		
4350	91.33	0.84	0.53	91.16	0.48	0.58	8.64	1.02	H	+ 64.1	6.71		11	1	3
4351	91.10	0.70	0.73	91.24	0.57	0.71	9.30	0.86	H		6.82		11	1	3
4352	91.21	0.52	0.58	91.10	0.62	0.68	24.16	0.68	H		7.22		11	1	3
2278	91.29	0.38	0.40	91.34	0.43	0.46	9.19	0.56	H	+ 21.2	5.11		39		
4353	91.20	0.75	0.76	91.02	0.62	0.76	8.41	0.91	H		7.06		11	1	3
4354	91.00	0.82	0.71	91.13	0.66	0.74	3.22	0.93	H		7.11	2	11	1	3
4357	91.26	0.61	0.52	91.10	0.61	0.61	5.68	0.86	H	+ 8.	6.92	1	11	1	3
2279	91.10	0.60	0.53	90.87	0.47	0.64	3.86	0.76	H	+ 5.	5.39		19	1	1
4358	91.05	0.92	0.51	91.07	0.62	0.56	4.79	1.05	H		7.02		21	2	
2284	91.20	0.72	0.77	91.04	0.57	0.78	9.41	0.86	H	+ 25.0	6.18	1	21	2	
4359	91.06	0.57	0.55	91.19	0.72	0.77	1.30	0.78	H		8.30	2	13		
2283	91.04	0.82	0.48	90.98	0.46	0.54	22.31	0.92	H	+ 32.2	5.62		19	1	1
2281	91.30	0.40	0.40	91.15	0.48	0.49	9.65	0.66	H	+ 4.6	4.95		19	1	1
2286	91.41	0.50	0.48	91.28	0.50	0.54	5.93	0.57	H		6.94		31		
4360	91.41	0.56	0.57	91.21	0.56	0.62	3.03	0.60	H		7.64	2	31		
4361	91.26	0.55	0.60	91.25	0.54	0.61	3.20	0.62	H		8.02		11	1	3
4362	91.26	0.87	0.65	91.00	0.67	0.66	4.01	1.13	H		8.66		11	1	3
2288	91.12	0.71	0.57	91.03	0.41	0.52	21.99	0.81	H	+ 27.9	5.89		18		
4363	91.21	0.53	0.49	91.05	0.61	0.59	6.89	0.63	H		7.95		23	2	
4364	91.27	0.48	0.52	91.12	0.47	0.53	3.28	0.56	H		6.95		31		
4365	91.41	1.22	0.71	91.32	0.80	0.72	5.70	1.42	H		8.48		31		
2285	91.26	0.43	0.41	91.13	0.54	0.62	5.37	0.62	H		6.98		15	1	3
2293	90.85	0.63	0.61	90.89	0.48	0.58	7.20	0.80	H	+ 31.6	6.36		11	1	3
2292	90.94	0.74	0.60	90.92	0.44	0.61	28.87	0.82	H	- 17.3	5.36		19	1	1
2290	90.84	0.43	0.41	90.78	0.40	0.54	1.88	0.66	H	- 19.6	5.00		15	1	3
4367	91.29	0.77	0.59	91.28	0.58	0.61	9.37	0.86	H		6.64		23	2	
4369	91.27	1.02	1.05	91.16	0.78	0.98	6.95	1.47	H		8.45		31		
2294	91.14	0.66	0.73	91.09	0.56	0.73	12.26	0.86	H	+ 28.1	6.27		11	1	3
2291	91.22	0.30	0.30	91.07	0.44	0.46	5.23	0.62	H	- 47.3	5.88	1	39		
4371	91.22	0.47	0.50	91.01	0.52	0.57	1.05	0.24	P	- 1.6	6.76		11	1	3
2295	90.89	0.78	0.42	90.68	0.55	0.47	36.26	1.00	H	+ 9.0	5.21		39		
4372	91.30	0.40	0.38	91.24	0.47	0.49	7.97	0.61	H	+ 1.	6.49		31		
4373	91.37	0.64	0.61	91.26	0.62	0.64	1.35	0.70	H		7.95		31		
2296	91.22	0.66	0.41	91.05	0.52	0.46	7.88	0.86	H	+ 18.6	6.57		15	1	3
2298	91.31	0.85	0.67	91.13	0.54	0.60	7.32	0.92	H	- 13.5	5.94	1	28	2	
4374	91.40	0.77	0.77	90.91	0.78	0.92	3.24	0.75	P		8.32		11	1	3
4375	91.18	0.69	0.59	91.22	0.55	0.52	6.78	0.84	H		6.84		11	1	3
3947	91.54	0.40	0.37	91.53	0.47	0.45	24.44	0.55	H	- 4.2	5.84		19	1	1
4376	91.43	0.68	0.63	91.35	0.75	0.69	2.52	0.58	P		8.82		31		
4377	91.31	0.91	1.10	91.19	0.73	1.00	5.00	1.27	H		8.65		11	1	3
4378	91.30	0.68	0.56	91.06	0.41	0.54	17.67	0.82	H	- 67.	7.02		11	1	3
4380	91.30	0.45	0.42	91.19	0.61	0.60	5.56	0.82	H		7.99		11	1	3
2300	91.04	0.71	0.63	90.88	0.49	0.59	5.95	0.80	H	+ 19.9	5.75		29	2	
2301	90.73	0.88	0.47	90.77	0.58	0.47	25.89	0.95	H	+ 36.6	5.71		18		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2270	- 1.42	+ 1.13	+ 2.41	- 5.89	- 1.72	+ 0.65	- 0.05	+ 0.03	- 0.14	+ 1.80
2273	- 0.36	+ 0.87	+ 1.26	- 2.40	+ 0.05	+ 0.34	- 0.39	- 0.53	- 0.48	+ 0.68
4346	- 0.09	+ 0.11	+ 0.44	+ 0.84	- 0.50	+ 0.01	+ 0.01	+ 0.05	+ 3.70	- 0.50
2274	+ 0.19	- 0.15	- 0.54	- 0.15	+ 0.98	- 0.05	+ 0.00	+ 0.03	+ 4.21	- 1.75
4348	+ 0.52	- 0.10	- 0.33	+ 4.10	+ 1.13	+ 0.25	- 0.10	- 0.34	+ 0.25	+ 0.98
4349	- 0.66	+ 0.37	+ 1.47	- 5.06	- 2.48	- 0.06	+ 0.07	+ 0.33	+ 4.02	- 0.96
4350	- 0.20	+ 0.48	+ 0.68	+ 2.18	- 0.49	- 0.06	+ 0.15	+ 0.23	- 2.73	+ 0.20
4351	+ 0.03	+ 0.02	+ 0.04	+ 2.54	- 0.77	- 0.24	+ 0.15	+ 0.24	+ 3.24	- 1.16
4352	+ 1.01	- 0.26	- 0.33	+ 2.81	+ 0.75	+ 0.91	- 0.46	- 0.59	+ 1.26	+ 1.16
2278	- 1.15	+ 0.32	+ 0.41	- 2.83	- 1.01	- 0.48	+ 0.19	+ 0.25	+ 0.17	- 0.89
4353	- 0.52	+ 0.43	+ 0.81	- 3.94	- 0.34	- 0.81	+ 0.51	+ 0.95	- 3.20	- 1.17
4354	- 0.77	+ 0.35	+ 0.96	- 1.31	- 2.23	+ 0.29	- 0.04	- 0.01	+ 3.15	+ 0.05
4357	+ 0.57	- 0.41	- 0.62	- 2.01	+ 1.26	+ 0.11	- 0.14	- 0.23	+ 1.17	+ 0.09
2279	+ 0.21	- 0.19	- 0.43	+ 0.51	+ 0.41	+ 0.37	- 0.22	- 0.54	+ 0.85	+ 1.11
4358	+ 0.14	- 0.34	- 0.52	- 1.38	+ 0.37	- 0.22	+ 0.24	+ 0.37	- 0.71	- 0.31
2284	- 2.54	+ 1.13	+ 1.86	- 8.05	- 3.78	+ 2.02	- 0.16	- 0.34	+ 0.33	+ 4.94
4359	- 0.09	+ 0.02	+ 0.07	+ 0.27	- 0.43	- 0.15	+ 0.06	+ 0.35	+ 6.27	- 1.98
2283	+ 0.23	- 0.28	- 0.32	+ 0.58	+ 0.05	- 0.35	+ 0.26	+ 0.30	+ 0.09	- 0.66
2281	+ 0.21	- 0.07	- 0.09	+ 2.89	- 0.29	+ 0.11	- 0.05	- 0.07	- 1.03	+ 0.40
2286	+ 0.89	- 0.17	- 0.28	+ 1.85	+ 1.40	- 1.73	+ 0.42	+ 0.74	- 3.07	- 3.07
4360	+ 0.66	- 0.06	- 0.24	+ 3.42	+ 2.16	+ 0.50	- 0.06	- 0.22	+ 8.69	- 0.17
4361	- 0.09	+ 0.00	- 0.01	- 2.90	+ 0.68	- 0.42	+ 0.08	+ 0.25	- 5.88	+ 0.29
4362	- 0.23	+ 0.20	+ 0.36	- 1.33	- 0.32	+ 0.33	- 0.26	- 0.51	+ 1.92	+ 0.48
2288	+ 0.94	- 0.98	- 1.19	+ 2.31	+ 0.67	+ 0.03	- 0.26	- 0.33	+ 0.78	- 0.28
4363	- 2.44	+ 0.82	+ 1.16	- 5.67	- 2.95	- 1.53	+ 0.89	+ 1.34	- 0.56	- 2.73
4364	- 0.51	+ 0.10	+ 0.24	- 0.87	- 1.24	+ 1.20	- 0.24	- 0.59	+ 6.92	+ 1.90
4365	- 0.25	+ 0.66	+ 1.37	- 1.61	- 0.40	+ 0.71	- 0.70	- 1.33	+ 7.38	+ 0.35
2285	- 0.09	+ 0.03	+ 0.05	+ 0.08	- 0.24	- 0.64	+ 0.14	+ 0.30	+ 3.29	- 3.01
2293	- 0.01	- 0.01	- 0.01	- 1.84	+ 0.58	+ 0.33	- 0.05	- 0.10	- 0.89	+ 1.17
2292	- 0.78	+ 0.50	+ 0.60	- 2.87	- 0.06	+ 1.39	- 0.65	- 0.79	+ 0.48	+ 2.31
2290	+ 0.15	- 0.14	- 0.27	- 0.20	+ 0.44	+ 0.27	- 0.12	- 0.32	+ 0.53	+ 0.92
4367	+ 3.48	- 6.38	- 9.02	+ 9.98	+ 4.43	- 0.95	+ 0.04	- 0.02	- 2.25	- 1.06
4369	+ 0.75	- 0.05	+ 0.05	+ 6.85	- 0.47	- 1.68	+ 0.91	+ 2.25	- 3.75	- 4.18
2294	+ 0.85	- 0.58	- 0.92	- 0.94	+ 2.00	+ 1.06	- 0.47	- 0.79	- 0.01	+ 2.47
2291	- 0.35	+ 0.02	+ 0.02	- 4.19	+ 1.07	- 0.66	+ 0.10	+ 0.18	- 4.12	- 0.39
4371	- 0.04	+ 0.04	+ 0.14	- 0.97	- 0.08	- 0.08	+ 0.06	+ 0.24	+ 1.03	- 0.45
2295	+ 0.47	- 1.55	- 1.91	+ 1.38	+ 0.15	- 0.07	- 1.02	- 1.37	+ 0.27	- 0.12
4372	+ 1.81	- 0.58	- 0.72	+ 1.17	+ 2.43	+ 0.24	- 0.01	- 0.02	+ 2.84	+ 0.02
4373	- 0.48	+ 0.10	+ 0.56	+ 3.44	- 4.40	- 0.28	+ 0.05	+ 0.36	- 3.84	- 1.20
2296	- 0.03	+ 0.39	+ 0.54	+ 0.36	- 0.22	- 0.60	+ 0.60	+ 0.79	- 0.07	- 0.98
2298	- 0.56	+ 0.65	+ 1.01	+ 1.54	- 1.76	- 2.92	+ 1.37	+ 2.12	- 3.78	- 4.89
4374	- 0.20	+ 0.04	+ 0.15	+ 1.87	- 2.29	+ 0.11	- 0.03	- 0.12	- 2.45	+ 1.87
4375	+ 0.28	- 0.24	- 0.36	+ 2.16	+ 0.07	- 0.25	+ 0.32	+ 0.43	+ 1.65	- 0.57
3947	- 0.15	+ 0.09	+ 0.10	- 0.52	- 0.06	+ 0.76	- 0.42	- 0.48	+ 2.83	+ 0.54
4376	+ 0.61	- 0.27	- 0.87	+ 4.08	+ 1.22	+ 0.71	- 0.42	- 1.33	+ 4.08	+ 1.67
4377	- 0.90	+ 0.63	+ 2.26	- 4.69	- 2.75	- 0.42	+ 0.27	+ 1.01	+ 0.23	- 2.49
4378	- 0.07	+ 0.04	+ 0.05	+ 1.32	- 0.28	+ 0.10	- 0.05	- 0.06	- 1.87	+ 0.37
4380	- 0.17	+ 0.04	+ 0.06	- 1.59	- 0.12	+ 0.22	- 0.07	- 0.13	- 2.47	+ 0.83
2300	- 0.32	+ 0.32	+ 0.56	- 1.57	- 0.17	- 0.49	+ 0.18	+ 0.34	- 0.99	- 0.99
2301	+ 0.11	- 0.40	- 0.47	+ 0.17	+ 0.13	+ 0.21	- 0.59	- 0.67	- 0.18	+ 0.43

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
2270	0.92	0.87	1.01	1.94	1.29	0.95	0.79	0.89	2.01	1.41	3.79	2.84	0.30	1.95	0.15	
2273	0.57	0.83	0.94	1.23	0.64	0.65	0.70	0.76	1.62	0.74	2.36	1.59	1.57	1.88	0.68	
4346	0.97	1.00	1.29	3.94	1.25	1.01	0.85	0.98	4.11	1.53	0.59	0.87		1.01	1.12	
2274	0.76	0.71	0.85	2.22	1.11	0.90	0.77	0.87	2.81	1.63	1.43	1.48	1.98	1.89	0.89	
4348	0.88	0.52	0.55	3.15	1.56	0.88	0.61	0.66	3.03	1.44	1.40	1.18	1.52	0.87	0.25	
4349	0.83	0.74	0.86	4.34	1.21	0.97	0.84	0.97	4.72	1.58	2.73	1.66		1.15	2.27	t
4350	0.63	0.85	0.95	2.40	0.66	0.83	0.72	0.78	2.81	0.95	1.18	1.02	1.12	1.46	1.20	
4351	1.04	0.87	0.94	2.44	1.36	1.03	0.83	0.90	2.82	1.28	1.38	1.00	1.28	1.85	0.42	
4352	1.13	0.64	0.66	2.41	1.41	1.07	0.81	0.84	2.43	1.29	1.45	1.35	1.72	0.74	1.07	
2278	0.82	0.44	0.45	1.76	1.00	0.85	0.51	0.53	1.92	1.04	1.79	1.62	2.57	1.02	1.90	t
4353	1.09	0.88	0.96	2.99	1.40	1.11	0.86	0.94	3.21	1.45	1.93	1.35	1.68	1.23	0.81	
4354	0.94	0.78	0.90	2.78	1.36	0.93	0.83	0.98	2.72	1.30	1.37	1.97	0.31	1.07	1.26	
4357	0.75	0.63	0.68	2.42	0.88	0.87	0.71	0.77	3.03	1.07	0.71	1.70	1.51	1.31	0.96	
2279	0.79	0.61	0.68	1.84	1.07	0.99	0.71	0.79	2.71	1.54	0.67	1.09	1.84	0.10	1.81	t
4358	0.58	0.87	1.08	2.14	0.62	0.67	0.82	0.98	2.42	0.74	0.53	1.05	4.23	0.80	0.57	
2284	1.16	0.88	0.95	3.41	1.45	1.32	0.84	0.90	3.41	1.94	2.81	4.26	2.64	1.65	3.98	t
4359	0.73	0.57	0.64	3.17	1.17	0.91	0.79	0.91	3.98	1.53	1.38	1.45		1.95	1.32	t
2283	0.62	0.85	0.91	1.01	0.69	0.77	0.79	0.83	1.41	0.91	0.70	0.93	1.36	0.62	0.41	t
2281	0.70	0.48	0.49	1.81	0.73	0.91	0.55	0.57	2.42	1.09	1.64	0.45	1.14	1.72		t
2286	0.97	0.51	0.53	2.27	1.39	0.99	0.57	0.60	2.52	1.38	1.73	2.76	2.43	0.17	2.48	
4360	1.03	0.58	0.60	3.72	1.99	1.04	0.64	0.67	3.64	1.93	2.60	1.16	1.57	2.17	0.68	
4361	0.98	0.63	0.67	2.86	1.65	0.98	0.64	0.68	2.93	1.64	0.39	2.27		2.13	0.08	
4362	0.77	0.85	1.04	2.66	0.90	0.81	0.82	0.97	2.73	0.99	0.96	1.05		0.61	1.01	
2288	0.83	0.79	0.83	1.59	0.92	0.82	0.67	0.69	1.51	0.97	2.03	1.51	1.16	1.07	1.35	t
4363	0.83	0.55	0.57	2.12	1.04	0.84	0.71	0.76	2.17	1.04	3.23	4.76	6.40	1.46	2.18	t
4364	0.89	0.55	0.58	2.82	1.34	0.91	0.55	0.58	2.83	1.42	2.63	1.91	1.39	1.59	1.13	
4365	0.78	1.07	1.36	2.64	0.87	0.90	0.89	1.02	2.72	1.10	1.57	3.16		2.44	0.30	
2285	0.79	0.44	0.46	1.67	1.07	1.12	0.65	0.68	3.13	1.75	0.93	1.78	1.87	1.76	0.85	t
2293	1.09	0.65	0.68	2.74	1.54	1.19	0.60	0.62	3.21	1.79	0.69	0.75	0.56	0.95	1.71	
2292	0.89	0.81	0.84	1.68	1.00	1.03	0.73	0.75	2.01	1.25	1.96	2.22	0.79	1.63	1.42	t
2290	0.53	0.49	0.55	1.28	0.70	0.75	0.57	0.63	1.83	1.26	0.44	1.18	0.15	0.47	0.96	t
4367	0.71	0.89	0.99	2.33	0.77	0.90	0.73	0.78	2.72	1.05	7.56	10.81	10.42	2.30	5.97	t
4369	1.31	1.19	1.40	3.15	1.92	1.27	1.11	1.29	3.22	1.84	2.87	2.71		1.99	3.18	
2294	1.15	0.84	0.90	2.98	1.42	1.30	0.80	0.84	3.31	1.76	0.23	2.33	1.46	1.11	0.44	
2291	0.76	0.31	0.32	1.63	1.03	0.96	0.48	0.50	2.62	1.36	3.02	1.04	1.39	3.01	0.69	t
4371	0.61	0.54	0.63	2.65	0.86	0.67	0.62	0.74	3.04	0.95	0.48	0.60	1.06	0.56	0.36	
2295	0.55	0.93	1.02	0.97	0.58	0.60	1.02	1.12	1.22	0.63	2.35	1.76	2.77	1.13	1.16	t
4372	0.73	0.43	0.44	2.51	0.82	0.79	0.57	0.60	2.76	0.90	1.26	3.39	0.77	1.08	0.97	
4373	0.84	0.62	0.67	3.33	1.69	0.87	0.65	0.70	3.33	1.83	1.50	2.83	0.49	2.21	1.25	
2296	0.50	0.69	0.75	1.03	0.56	0.65	0.61	0.65	1.52	0.76	0.53	1.82	0.80	0.73	0.61	t
2298	0.86	0.87	0.97	1.92	1.05	0.93	0.68	0.72	2.21	1.21	2.55	5.38	3.74	1.57	3.54	t
4374	1.14	0.79	0.85	3.12	2.32	1.19	0.95	1.06	3.21	2.24	0.88	1.29	2.48	1.54	0.94	
4375	0.74	0.82	0.93	2.00	0.85	0.65	0.76	0.85	2.22	0.71	1.23	1.03	0.82	1.35	0.45	
3947	0.63	0.45	0.46	1.37	0.67	0.76	0.56	0.57	2.12	0.80	1.57	1.05	1.31	1.06	0.34	t
4376	0.90	0.66	0.73	2.50	1.50	0.89	0.74	0.85	2.43	1.36	2.80	2.20	2.37	1.31	1.15	
4377	1.33	1.20	1.42	3.46	2.06	1.34	1.05	1.18	3.62	2.31	2.36	1.87		0.80	0.60	t
4378	0.87	0.69	0.72	2.71	0.95	0.87	0.65	0.67	2.83	0.95	0.77	0.48	1.10	0.94	0.17	
4380	0.89	0.45	0.46	3.24	1.12	1.00	0.64	0.68	3.54	1.32	0.66	0.82		0.97	1.27	
2300	0.83	0.78	0.87	1.77	1.05	1.04	0.63	0.67	2.71	1.50	1.17	0.95	1.90	0.68	3.96	t
2301	0.60	0.94	1.00	1.09	0.61	0.59	0.81	0.85	1.12	0.64	0.55	1.15	1.80	0.47	0.71	t 3003

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2303	19597	RS		4 11 58.879 223	- 53 24 43.601 16	- 16.03	- 14.56
4381	19606	FX		4 12 3.846 293	+ 35 21 34.425 31	+ 0.38	- 2.16
4382	19618	FX		4 12 13.441 648	+ 32 11 12.440 48	+ 10.35	- 9.14
4383	19663	FX		4 12 46.882 495	+ 11 10 16.697 93	- 3.05	- 37.43
2307	19721	RS		4 13 35.721 327	- 40 21 27.945 56	+ 10.95	+ 31.30
2305	19725	RS		4 13 38.148 414	- 1 8 59.052 38	+ 4.21	- 4.56
4384	19727	FX		4 13 41.104 258	+ 49 5 38.120 93	+ 14.15	- 7.49
4385	19728	FX		4 13 42.847 425	- 17 28 22.748 05	+ 20.01	+ 25.18
2309	19741	BX		4 13 57.252 985	- 37 1 49.436 03	+ 0.39	- 13.53
2308	19751	BX		4 14 3.372 883	- 30 6 45.801 17	+ 24.37	+ 14.04
4386	19764	FX		4 14 15.148 271	+ 66 32 52.504 94	- 0.89	- 0.09
2314	19790	RS		4 14 30.887 120	- 75 48 29.108 28	+ 20.55	+ 9.27
4387	19792	FX		4 14 31.660 140	+ 27 57 35.132 75	+ 36.89	- 17.49
4388	19794	FX		4 14 32.479 703	- 38 58 13.971 92	- 9.74	- 0.55
2304	19823	BX		4 15 1.795 445	+ 57 27 37.303 19	- 2.76	- 0.26
4389	19855	FX		4 15 25.787 710	+ 6 11 58.748 26	- 100.98	- 112.40
4391	19894	FX		4 16 1.913 503	- 35 15 57.156 89	+ 51.44	- 73.09
4392	19899	FX		4 16 6.563 965	+ 0 35 52.079 64	+ 7.23	+ 8.14
2310	19949	BX		4 16 43.089 068	+ 53 36 42.474 91	- 16.25	- 1.89
4394	19995	FX		4 17 17.382 433	- 63 5 46.139 09	- 85.03	- 95.52
4395	20052	FX		4 18 0.143 872	- 45 39 3.824 65	+ 57.12	+ 54.88
4396	20091	FX		4 18 27.834 994	+ 25 0 14.069 84	+ 2.94	- 3.77
4398	20233	FX		4 20 11.376 402	- 4 29 35.233 02	- 3.30	+ 5.80
2316	20234	RS		4 20 11.512 667	+ 50 55 15.358 44	+ 0.48	- 7.59
2315	20266	RS		4 20 40.324 754	+ 65 8 25.588 02	- 28.98	- 4.83
2320	20268	RS		4 20 41.245 958	+ 6 7 50.864 53	- 12.79	- 45.73
2322	20271	BX		4 20 42.833 825	- 7 35 32.987 87	+ 3.37	- 2.37
4399	20325	FX		4 21 16.617 846	- 87 48 46.604 34	+ 63.03	+ 68.29
2312	20330	RS		4 21 19.614 813	+ 76 6 21.977 74	+ 11.22	- 18.58
2319	20354	RS	53 Per	4 21 33.167 413	+ 46 29 55.962 61	+ 22.13	- 34.73
2317	20376	RS		4 21 47.650 798	+ 60 44 8.243 73	+ 56.73	- 114.52
4400	20424	FX		4 22 30.129 374	+ 3 24 34.852 91	+ 17.10	- 19.80
2323	20465	RS		4 23 5.963 449	- 24 53 31.763 34	+ 19.41	- 15.49
4402	20566	FX		4 24 19.622 137	- 55 50 2.131 18	+ 19.43	+ 19.99
4404	20585	FX		4 24 32.491 206	- 68 59 37.198 20	+ 14.54	+ 1.07
4405	20592	FX		4 24 38.588 757	- 74 30 32.845 76	+ 2.34	- 9.32
2325	20704	BX		4 26 6.311 259	+ 31 26 20.109 14	+ 78.71	- 118.41
2326	20711	BX	ν Tau	4 26 18.463 511	+ 22 48 48.900 75	+ 108.64	- 45.43
2327	20715	BX		4 26 21.101 398	+ 8 35 24.952 98	+ 0.85	- 7.11
4406	20775	FX		4 27 2.583 148	+ 40 17 55.406 53	+ 45.36	- 40.11
2321	20776	BX		4 27 2.939 053	+ 80 49 26.975 69	+ 12.14	- 20.68
2329	20781	BX		4 27 5.973 817	- 46 56 51.014 31	+ 66.47	- 274.93
2330	20901	RS	79 Tau	4 28 50.163 741	+ 13 2 51.367 91	+ 104.68	- 15.16
2332	20922	RS		4 29 6.925 596	- 13 2 54.127 68	+ 0.51	- 0.65
2331	20933	BX		4 29 19.833 333	+ 27 24 15.215 32	+ 10.11	- 27.78
4408	20952	FX		4 29 32.686 147	+ 13 53 40.963 62	+ 175.64	- 14.18
4410	21168	FX		4 32 17.755 573	- 13 35 11.472 12	+ 4.96	+ 1.10
2335	21295	RS		4 34 8.267 947	+ 5 34 7.033 44	- 13.77	- 6.01
2337	21296	RS	47 Eri	4 34 11.628 742	- 8 13 52.867 04	- 22.09	+ 3.05
2340	21300	RS		4 34 15.437 460	- 73 12 31.598 05	- 0.44	+ 57.58

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2303	91.35	0.56	0.62	91.40	0.58	0.64	5.54	0.63	H		7.07		11	1	3
4381	91.24	0.91	0.72	90.95	0.60	0.66	.39	1.07	H	- 20.8	7.57		11	1	3
4382	91.17	0.80	0.60	90.91	0.54	0.58	3.43	0.93	H		8.53		11	1	3
4383	91.25	1.01	0.79	91.10	0.76	0.79	7.22	1.11	H	+ 29.6	8.09		21	2	
2307	91.33	0.47	0.53	91.39	0.48	0.54	3.26	0.61	H	+ 59.4	6.36		11	1	3
2305	91.37	0.88	0.86	91.25	0.45	0.66	3.00	0.41	P	+ 18.	6.45	1	11	1	3
4384	91.19	0.69	0.59	90.91	0.46	0.53	9.35	0.86	H		6.92		11	1	3
4385	90.94	0.87	0.80	90.83	0.73	0.88	4.63	1.18	H		8.57		11	1	3
2309	91.37	0.49	0.52	91.40	0.56	0.60	2.91	0.69	H		6.99		11	1	3
2308	91.26	0.48	0.50	91.21	0.58	0.68	5.16	0.79	H		7.19		31		
4386	91.38	0.64	0.63	91.13	0.77	0.77	3.15	1.12	H		8.27	2	13		
2314	91.46	0.53	0.55	91.17	0.56	0.61	2.79	0.58	H	+ 32.	7.24	1	11	1	3
4387	91.23	1.03	0.68	90.99	0.72	0.72	7.27	1.29	H		8.41		11	1	3
4388	91.38	0.65	0.73	91.38	0.83	0.87	2.43	0.56	P		8.76		11	1	3
2304	90.95	0.50	0.49	90.86	0.43	0.57	1.80	0.25	P	- 24.9	6.06		11	1	3
4389	91.18	0.90	0.72	91.28	0.77	0.76	47.86	1.15	H	- 8.2	6.94		15	1	3
4391	91.43	0.54	0.55	91.33	0.62	0.70	14.07	0.78	H		8.05		35		
4392	91.08	0.90	0.81	91.24	0.66	0.73	3.43	1.00	H		7.87		31		
2310	91.21	0.57	0.46	91.04	0.44	0.49	9.24	0.75	H	- 3.0	5.20		38		
4394	91.58	0.57	0.52	91.26	0.64	0.69	8.92	0.68	H		8.49		11	1	3
4395	91.20	0.50	0.53	91.30	0.52	0.52	17.96	0.60	H		7.53		11	1	3
4396	91.12	1.00	0.65	90.94	0.64	0.68	3.99	1.17	H		8.51		11	1	3
4398	91.14	1.07	0.76	91.06	0.79	0.90	7.14	1.23	H	+ 59.	9.01		11	1	3
2316	91.09	0.59	0.55	90.98	0.43	0.60	2.30	0.32	P	- 17.8	5.55		18		
2315	91.58	0.37	0.37	91.15	0.42	0.46	9.80	0.67	H	- 18.9	5.26		21	2	
2320	91.05	0.74	0.66	91.29	0.63	0.62	7.62	0.93	H	+ 6.9	5.76		39		
2322	91.01	0.59	0.47	91.10	0.53	0.52	4.31	0.75	H	+ 11.2	5.85		19	1	1
4399	91.35	0.50	0.47	91.13	0.56	0.56	17.08	0.60	H		7.50		11	1	3
2312	91.45	0.39	0.38	91.36	0.48	0.50	2.58	0.58	H	+ 5.8	6.74		29	2	
2319	91.24	0.63	0.53	90.92	0.41	0.54	7.03	0.79	H	+ 7.3	4.80	1	11	1	3
2317	91.18	0.41	0.48	90.98	0.45	0.55	7.64	0.72	H	+ 28.0	5.40	1	39		
4400	91.08	1.31	0.85	91.21	0.96	0.87	5.28	1.44	H		8.77		13		
2323	91.51	0.31	0.33	91.49	0.44	0.48	7.18	0.70	H	+ 30.3	5.81	1	28	2	
4402	91.12	0.60	0.65	91.21	0.65	0.74	2.63	0.69	H		7.94		11	1	3
4404	91.38	0.64	0.61	91.16	0.69	0.80	3.03	0.70	H		8.02		31		
4405	91.35	0.76	0.65	91.04	0.80	0.83	6.52	0.85	H		9.47		21	2	
2325	91.06	0.69	0.55	90.80	0.46	0.49	13.42	0.81	H	+ 27.5	5.29		29	2	
2326	91.28	0.74	0.51	91.10	0.55	0.49	21.07	0.80	H	+ 35.1	4.28	1	18		
2327	91.25	0.84	0.52	91.32	0.72	0.51	5.46	1.02	H	+ 13.3	6.06	1	38		
4406	91.55	1.00	0.70	90.97	0.53	0.61	5.40	1.22	H		8.34		11	1	3
2321	91.18	0.41	0.39	91.19	0.43	0.48	3.48	0.54	H	- 9.1	5.42		29	2	
2329	91.40	0.44	0.47	91.52	0.43	0.45	30.82	0.53	H	+ 16.3	6.10		11	1	3
2330	91.05	0.78	0.61	90.90	0.43	0.53	20.33	0.84	H	+ 37.3	5.02		19	1	1
2332	90.97	0.54	0.47	90.96	0.38	0.48	2.58	0.59	P	+ 22.	5.61	2	19	1	1
2331	91.11	0.76	0.47	90.91	0.49	0.44	8.44	0.84	H	+ 20.	6.53		21	2	
4408	91.23	1.10	0.72	91.08	0.54	0.64	7.68	1.27	H	+ 96.3	7.72		11	1	3
4410	91.28	0.88	1.20	91.07	0.78	1.15	3.60	0.50	P		9.28		11	1	3
2335	91.29	1.04	0.81	91.04	0.47	0.77	7.99	1.09	H	- 7.7	5.67		11	1	3
2337	91.09	0.51	0.55	90.95	0.37	0.51	4.05	0.72	H	- 12.1	5.20	2	39		
2340	91.47	0.45	0.44	91.32	0.46	0.49	5.27	0.50	H		6.80		31		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2303	+ 0.23	- 0.03	- 0.11	+ 0.93	+ 0.76	- 1.58	+ 0.18	+ 0.54	- 4.04	- 5.17
4381	- 0.03	+ 0.04	+ 0.34	+ 3.18	- 0.81	+ 0.09	- 0.06	- 0.63	+ 1.11	+ 1.02
4382	- 0.60	+ 0.48	+ 1.01	+ 2.69	- 1.78	- 0.17	+ 0.23	+ 0.54	+ 1.02	- 0.67
4383	+ 0.13	+ 0.04	+ 0.17	- 0.94	+ 0.27	- 0.50	+ 0.34	+ 0.68	- 3.27	- 0.69
2307	+ 0.40	- 0.10	- 0.26	+ 1.65	+ 0.89	+ 0.74	- 0.14	- 0.39	- 0.28	+ 2.85
2305	- 0.17	+ 0.13	+ 0.42	+ 1.95	- 1.00	+ 0.16	- 0.02	- 0.10	- 0.05	+ 0.75
4384	- 0.95	+ 0.69	+ 0.97	- 2.87	- 1.17	- 0.07	+ 0.14	+ 0.21	- 5.50	+ 0.41
4385	- 0.06	+ 0.03	+ 0.10	- 2.84	+ 1.20	- 0.09	+ 0.07	+ 0.19	- 0.90	- 0.04
2309	+ 0.01	- 0.01	- 0.02	+ 0.85	- 0.29	- 0.18	+ 0.06	+ 0.15	+ 1.35	- 1.16
2308	+ 1.28	- 0.24	- 0.47	+ 3.62	+ 2.20	+ 0.47	- 0.21	- 0.45	+ 7.84	- 1.14
4386	- 0.07	+ 0.03	+ 0.08	+ 0.18	- 0.22	- 0.12	+ 0.06	+ 0.19	+ 2.85	- 0.83
2314	- 0.47	+ 0.07	+ 0.23	+ 0.87	- 2.42	- 0.23	+ 0.03	+ 0.12	- 0.13	- 1.29
4387	+ 0.44	- 0.68	- 1.15	+ 1.72	+ 0.61	- 0.48	+ 0.02	- 0.06	+ 6.16	- 1.66
4388	+ 0.59	- 0.08	- 0.48	+ 2.13	+ 3.99	+ 0.37	- 0.13	- 0.60	+ 4.85	+ 0.86
2304	+ 0.12	- 0.13	- 0.33	+ 0.43	+ 0.23	+ 0.12	- 0.08	- 0.23	+ 2.06	- 0.17
4389	+ 0.35	- 0.47	- 0.64	+ 3.46	+ 0.10	+ 0.07	- 0.31	- 0.45	+ 5.57	- 0.53
4391	- 2.55	+ 0.44	+ 0.65	- 2.16	- 4.40	+ 0.46	- 0.09	- 0.14	+ 2.37	+ 0.25
4392	+ 0.50	- 0.19	- 0.71	+ 7.45	- 0.22	+ 0.89	- 0.18	- 0.70	+ 6.95	+ 2.37
2310	+ 0.09	- 0.59	- 0.74	- 1.23	+ 0.85	+ 0.06	+ 0.16	+ 0.21	+ 2.56	- 1.37
4394	- 1.07	+ 0.11	+ 0.18	- 3.09	- 1.60	+ 0.71	- 0.09	- 0.17	- 0.49	+ 1.92
4395	+ 0.34	- 0.04	- 0.05	- 2.02	+ 1.42	- 1.78	+ 0.37	+ 0.49	- 5.98	- 1.39
4396	- 0.16	+ 0.17	+ 0.30	+ 2.10	- 0.59	+ 0.31	- 0.13	- 0.28	- 0.92	+ 0.87
4398	- 0.17	+ 0.52	+ 1.08	+ 3.99	- 1.16	- 0.06	+ 0.27	+ 0.66	+ 3.39	- 1.31
2316	- 0.04	+ 0.04	+ 0.09	- 0.92	+ 0.02	- 0.04	+ 0.01	+ 0.03	- 0.57	+ 0.04
2315	- 1.18	+ 0.38	+ 0.46	- 6.05	+ 0.07	+ 0.12	+ 0.10	+ 0.13	+ 1.05	- 0.14
2320	+ 0.41	- 0.22	- 0.27	- 0.33	+ 0.92	- 0.78	+ 0.63	+ 0.94	- 4.41	+ 0.26
2322	- 0.21	+ 0.62	+ 1.10	- 1.34	- 0.09	- 0.30	+ 0.71	+ 1.27	+ 1.43	- 1.08
4399	+ 0.83	- 0.30	- 0.37	+ 0.89	+ 1.03	- 0.67	+ 0.44	+ 0.55	+ 0.50	- 1.20
2312	+ 0.36	- 0.06	- 0.10	+ 5.26	- 1.18	+ 0.52	- 0.04	- 0.17	+ 3.01	+ 1.46
2319	+ 0.49	- 0.50	- 0.72	+ 2.59	+ 0.02	- 0.15	- 0.15	- 0.24	- 1.68	+ 0.58
2317	+ 0.40	- 0.03	- 0.03	- 2.43	+ 1.83	- 1.91	+ 0.55	+ 0.86	- 2.97	- 3.14
4400	+ 0.29	- 0.66	- 1.59	- 3.29	+ 1.38	- 0.34	+ 0.23	+ 0.52	- 5.76	+ 0.24
2323	- 1.77	+ 0.10	+ 0.18	- 3.22	- 3.40	+ 0.45	- 0.07	- 0.15	+ 1.08	+ 0.96
4402	- 0.46	+ 0.11	+ 0.39	- 0.71	- 2.02	+ 0.41	- 0.11	- 0.45	+ 4.92	+ 0.68
4404	- 0.18	+ 0.04	+ 0.15	+ 0.27	- 0.93	+ 0.63	- 0.26	- 0.89	+ 6.67	+ 1.36
4405	- 1.40	+ 0.10	+ 0.22	+ 0.01	- 3.93	- 1.92	+ 0.53	+ 1.29	- 5.79	- 4.48
2325	- 0.27	- 1.46	- 2.01	- 2.03	+ 0.75	+ 3.24	- 2.49	- 3.13	+ 7.43	+ 2.94
2326	- 0.18	+ 0.05	+ 0.02	+ 0.67	- 0.70	+ 0.41	- 0.34	- 0.40	- 0.37	+ 0.87
2327	- 0.21	+ 1.17	+ 2.58	- 2.82	+ 0.58	- 0.10	+ 0.77	+ 1.65	+ 1.48	- 0.70
4406	- 0.61	+ 1.02	+ 2.00	- 3.65	- 0.87	+ 0.66	- 0.18	- 0.22	+ 1.61	+ 0.98
2321	- 1.91	+ 0.47	+ 0.80	- 6.20	- 2.13	+ 0.32	- 0.11	- 0.22	+ 2.38	+ 0.28
2329	- 0.66	+ 0.00	+ 0.00	- 3.27	+ 0.15	+ 2.22	- 0.39	- 0.47	+ 4.13	+ 2.17
2330	- 0.41	+ 0.40	+ 0.49	- 0.10	- 0.71	+ 0.06	+ 0.06	+ 0.08	+ 0.05	+ 0.07
2332	+ 0.13	- 0.12	- 0.21	+ 1.42	- 0.15	+ 0.25	- 0.16	- 0.30	+ 0.72	+ 0.41
2331	- 0.48	+ 0.78	+ 0.98	- 0.50	- 0.66	+ 0.90	- 1.05	- 1.26	- 2.95	+ 2.55
4408	- 0.44	+ 0.35	+ 0.52	- 1.28	- 0.59	+ 1.32	- 0.69	- 1.07	+ 2.00	+ 2.08
4410	+ 0.13	- 0.07	- 0.41	+ 3.53	- 0.73	+ 0.53	- 0.27	- 1.33	- 0.58	+ 4.42
2335	+ 0.40	- 0.85	- 1.81	+ 2.52	+ 0.58	+ 1.02	- 0.87	- 1.76	+ 1.99	+ 2.08
2337	+ 0.44	- 0.17	- 0.33	+ 4.25	- 0.32	+ 0.30	- 0.08	- 0.17	- 4.53	+ 2.30
2340	+ 0.73	- 0.08	- 0.13	- 3.80	+ 2.96	+ 1.21	- 0.13	- 0.28	+ 1.93	+ 2.87

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
2303	1.32	0.63	0.65	5.02	2.43	1.29	0.65	0.67	4.81	2.27	0.96	2.43	1.11	0.21	0.25	
4381	0.74	0.77	1.34	2.72	0.93	0.69	0.68	0.94	2.92	1.06	1.07	1.55	1.00	1.39	0.22	
4382	0.79	0.69	0.79	2.82	1.00	0.82	0.65	0.72	2.92	1.08	2.29	0.59		1.59	2.02	
4383	0.98	1.02	1.21	3.70	1.15	1.05	0.95	1.10	3.91	1.29	1.00	0.84	3.60	0.70	0.33	
2307	0.94	0.55	0.58	2.65	1.58	0.96	0.56	0.59	2.71	1.62	0.71	1.99	0.96	1.02	1.00	
2305	1.03	0.94	1.11	3.76	1.45	1.06	0.67	0.71	4.11	1.94	0.39	0.88	0.95	0.75	0.70	t
4384	0.85	0.72	0.77	2.89	0.96	0.82	0.63	0.66	3.03	0.93	2.23	1.76	1.53	1.95	0.56	
4385	1.18	0.84	0.93	2.89	2.08	1.12	0.98	1.14	2.82	1.66	0.51	1.02		1.16	0.45	
2309	0.88	0.55	0.58	2.30	1.46	0.90	0.63	0.68	2.41	1.44	0.60	0.84	0.88	0.99	1.37	
2308	1.00	0.52	0.54	2.74	1.46	1.04	0.73	0.79	2.71	1.51	3.27	1.78	2.02	2.93	0.82	
4386	0.89	0.68	0.75	3.33	1.23	0.99	0.84	0.95	3.74	1.42	0.63	0.69		0.93	0.94	t
2314	0.98	0.56	0.59	3.38	1.81	1.04	0.62	0.65	3.52	2.16	0.20	1.53	0.71	0.90	0.93	
4387	0.79	1.02	1.24	2.68	0.89	0.98	0.91	1.06	3.22	1.19	1.81	2.02		2.31	1.40	
4388	1.09	0.74	0.78	3.99	2.44	1.10	0.89	1.00	3.52	1.99	1.87	1.62		1.06	0.61	
2304	0.60	0.59	0.70	1.26	0.85	0.78	0.60	0.67	2.12	1.29	1.14	0.51	0.41	0.91	0.33	
4389	0.98	1.06	1.16	3.16	1.05	1.08	1.06	1.15	3.52	1.19	1.97	0.51	1.05	1.93	0.69	t
4391	1.25	0.59	0.60	2.97	1.68	1.31	0.76	0.79	3.32	1.75	1.18	2.84	2.54	0.87	1.86	t
4392	1.12	0.85	0.94	3.18	1.92	1.14	0.74	0.79	3.71	2.18	1.34	3.17		2.32	1.40	
2310	0.58	0.79	0.87	1.04	0.64	0.74	0.62	0.66	1.33	0.95	1.60	1.88	0.97	2.95	0.51	t
4394	1.22	0.54	0.56	3.57	1.72	1.30	0.73	0.76	3.53	1.92	0.91	1.44	0.47	0.71	0.52	
4395	1.25	0.56	0.57	2.76	1.66	1.13	0.56	0.57	2.73	1.39	2.42	1.51	1.09	1.84	0.35	
4396	0.75	0.85	1.04	2.61	0.89	0.91	0.78	0.90	3.21	1.19	1.10	0.68		1.11	0.43	
4398	0.86	1.12	1.40	2.43	1.00	1.13	1.10	1.32	2.82	1.50	1.48	1.30		2.45	0.82	
2316	0.67	0.66	0.78	2.29	0.82	0.85	0.64	0.70	2.42	1.38	0.48	0.06	1.26	0.44	1.29	t
2315	0.72	0.43	0.44	1.55	0.81	0.95	0.51	0.52	2.32	1.18	4.05	0.46	1.40	3.52	0.57	
2320	0.85	0.89	1.01	1.81	1.04	0.81	0.82	0.91	1.62	1.03	2.89	1.04	0.78	2.51	0.83	t
2322	0.56	0.71	0.83	1.23	0.66	0.63	0.74	0.87	1.52	0.76	1.67	2.14	2.30	1.73	0.49	t
4399	0.90	0.53	0.54	2.18	1.05	0.88	0.68	0.71	2.14	1.03	0.57	1.81	0.94	0.71	1.28	
2312	0.72	0.40	0.42	1.73	1.09	0.94	0.51	0.53	3.23	1.82	3.18	1.25	6.15	3.19	1.17	t
2319	0.71	0.72	0.79	1.50	0.83	0.90	0.62	0.67	1.82	1.24	2.15	0.81	0.74	1.82	1.65	
2317	0.96	0.52	0.54	2.08	1.27	1.00	0.60	0.63	2.13	1.41	2.04	2.96	0.18	1.75	0.45	t
4400	0.94	1.16	1.51	2.87	1.11	1.06	1.01	1.19	3.12	1.40	1.60	1.95		2.32	1.16	t
2323	1.16	0.34	0.34	3.28	1.74	1.24	0.49	0.50	3.41	1.99	1.09	2.08	4.38	0.06	3.42	t
4402	0.98	0.66	0.71	3.24	1.77	1.05	0.76	0.82	3.33	1.98	1.60	1.36	1.67	1.15	0.33	
4404	1.03	0.62	0.65	3.81	1.90	1.05	0.84	0.94	3.74	1.64	1.96	1.30	2.94	1.33	1.33	
4405	1.27	0.67	0.70	4.55	1.97	1.27	0.89	0.96	4.34	1.87	3.45	1.60		0.84	1.21	
2325	0.75	0.82	0.88	1.44	0.85	0.76	0.65	0.69	1.62	0.89	6.04	5.50	6.18	2.95	2.80	t
2326	0.69	0.87	0.94	1.17	0.79	0.71	0.77	0.82	1.32	0.83	0.44	1.50	0.86	1.26	2.04	t
2327	0.56	1.02	1.36	1.08	0.67	0.58	0.88	1.10	1.32	0.67	3.17	1.97	1.21	3.05	0.28	t 3004
4406	0.80	0.99	1.21	2.67	0.92	0.89	0.71	0.78	2.73	1.12	2.19	2.05		1.01	0.92	
2321	0.73	0.42	0.44	1.72	1.03	0.89	0.50	0.52	2.54	1.38	4.06	2.63	2.81	2.15	1.04	t
2329	1.29	0.49	0.50	2.68	1.61	1.11	0.48	0.49	2.32	1.32	2.29	1.88	1.73	1.32	2.00	
2330	0.89	0.80	0.84	1.77	1.02	1.01	0.61	0.63	2.21	1.21	0.30	0.91	1.70	0.30	0.24	t
2332	0.58	0.60	0.68	1.35	0.75	0.64	0.56	0.62	1.72	0.84	1.22	0.69	1.28	1.03	1.58	t
2331	0.56	0.80	0.89	1.11	0.65	0.59	0.64	0.68	1.22	0.69	1.53	4.50	2.42	3.94	1.64	
4408	0.86	0.98	1.13	2.80	0.99	0.93	0.76	0.82	3.02	1.13	2.47	1.16		0.23	1.27	
4410	1.43	1.25	1.45	3.68	2.67	1.37	1.21	1.40	3.52	2.49	2.02	1.01		1.49	1.88	
2335	1.03	1.03	1.21	2.71	1.24	1.10	0.91	1.03	2.81	1.45	1.86	2.36	1.81	0.65	0.91	
2337	0.86	0.61	0.65	2.11	1.21	0.96	0.54	0.56	2.71	1.49	2.62	1.55	2.14	2.90	0.89	t
2340	1.03	0.45	0.46	2.93	1.54	1.10	0.50	0.52	3.42	1.70	1.39	2.63	1.02	2.06	1.00	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4411	21322	FX	σ^2 Tau	4 34 36.866 821	- 33 38 46.029 46	+ 15.73	+ 35.57
2336	21452	RS		4 36 24.197 893	+ 64 15 41.767 99	- 25.76	- 7.33
4414	21480	FX		4 36 46.707 454	- 83 29 47.601 70	- 13.20	+ 72.71
4415	21495	FX		4 37 0.409 327	- 51 50 26.644 93	+ 2.26	- 22.09
2339	21515	BX		4 37 13.674 612	+ 0 59 53.941 08	- 2.83	- 4.21
2350	21611	RS		4 38 21.725 695	- 77 39 21.617 05	- 6.85	- 11.20
2344	21670	RS		4 39 6.158 018	+ 7 52 15.525 14	+ 93.63	- 3.45
2345	21683	BX		4 39 16.502 081	+ 15 55 4.718 37	+ 82.81	- 19.28
2343	21689	BX		4 39 23.149 115	+ 25 13 5.786 08	+ 18.03	- 11.83
2347	21823	RS		4 41 24.128 520	+ 48 18 3.172 09	+ 44.66	- 44.23
2348	21847	RS	4 41 50.256 563	+ 38 16 48.658 47	+ 241.67	- 97.60	
4420	21870	FX	4 42 8.694 495	- 1 39 53.857 85	+ 17.04	- 13.64	
4421	21882	FX	4 42 15.013 223	+ 9 38 1.751 97	+ 35.77	- 65.31	
4422	21911	FX	4 42 40.818 244	- 38 51 26.488 87	+ 7.40	+ 10.48	
2351	21914	BX	λ Pic	4 42 46.423 639	- 50 28 52.803 11	- 35.88	+ 34.50
4423	21933	FX	4 42 55.565 165	- 31 42 31.540 68	+ 10.15	+ 4.25	
4424	21938	FX	4 42 58.495 892	+ 17 18 40.093 46	+ 12.11	- 2.49	
4426	22008	FX	4 43 50.052 375	- 4 17 57.740 56	+ 2.13	- 1.41	
2352	22028	RS	4 44 7.981 647	- 18 39 59.705 31	+ 51.80	- 17.16	
4427	22036	FX	4 44 15.293 643	- 27 34 40.375 48	+ 16.88	- 24.73	
4428	22039	FX	κ Dor	4 44 19.521 392	+ 54 32 13.383 19	- 13.84	- 12.56
2354	22040	BX		4 44 21.153 825	- 59 43 57.848 13	+ 29.96	+ 43.17
4429	22054	FX		4 44 35.046 576	+ 44 45 59.594 25	+ 4.55	- 54.61
4430	22061	FX		4 44 42.131 332	+ 0 34 5.153 50	- 45.12	- 30.28
2356	22081	BX		4 44 57.900 841	- 63 13 46.973 55	- 9.82	- 2.99
2346	22093	RS		4 45 14.541 683	+ 79 39 24.929 29	- 7.13	+ 11.53
2355	22144	BX		4 45 55.451 081	- 39 21 23.823 14	- 58.28	- 18.33
4431	22146	FX		4 45 56.248 925	+ 4 21 36.088 53	- 16.63	+ 5.42
4432	22154	FX		4 46 0.864 835	+ 80 32 40.472 74	- 4.88	- 7.33
4433	22207	FX		4 46 33.018 296	+ 27 54 2.548 81	+ 7.34	- 6.85
4434	22273	FX	4 47 43.242 670	+ 15 11 28.201 35	+ 17.86	+ 29.67	
4435	22302	FX	4 48 11.530 652	- 56 49 2.217 35	+ 10.01	- 4.20	
4436	22314	FX	4 48 22.743 688	+ 29 46 22.813 49	+ 6.09	- 25.57	
4437	22323	FX	4 48 31.632 143	- 49 47 33.907 78	- 15.62	- 12.87	
2360	22329	BX	4 48 33.786 394	- 43 58 47.930 35	+ 11.52	+ 24.36	
4438	22334	FX	4 48 35.679 170	+ 24 44 35.215 56	+ 38.15	- 30.47	
4439	22352	FX	4 48 43.859 532	+ 21 18 56.771 77	- 5.88	- 15.64	
4440	22364	FX	4 48 52.738 124	- 64 23 17.124 40	+ 8.20	+ 23.07	
4441	22372	FX	4 48 57.817 365	- 67 42 50.443 47	- 21.42	- 25.06	
4442	22379	FX	4 49 2.570 761	- 88 16 16.156 55	+ 7.70	+ 10.39	
2359	22393	RS	4 49 12.846 777	+ 31 26 14.545 18	+ 17.21	- 103.39	
2363	22439	BX	4 49 42.244 230	- 13 46 10.805 82	- 120.43	- 172.12	
4443	22480	FX	4 50 12.537 578	+ 72 55 3.195 73	- 0.85	- 2.56	
4444	22513	FX	4 50 39.231 643	+ 50 24 32.582 02	- 4.42	- 1.62	
2361	22545	BX	4 51 9.326 980	+ 48 44 26.453 50	- 41.66	- 31.49	
4446	22576	FX	4 51 29.443 098	+ 35 48 54.503 23	+ 20.80	- 117.81	
4447	22620	FX	4 52 2.007 326	- 46 51 8.777 59	- 2.46	- 12.02	
2362	22626	RS	4 52 5.219 212	+ 63 30 19.515 07	+ 38.04	- 94.27	
4448	22662	FX	4 52 27.854 509	+ 31 59 11.405 49	- 8.63	+ 0.70	
2365	22697	RS	4 52 47.116 637	+ 27 53 50.950 87	+ 44.14	- 35.37	

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4411	91.23	0.49	0.47	91.19	0.59	0.63	5.50	0.75	H		7.41		11	1	3
2336	91.43	0.41	0.41	91.09	0.43	0.49	7.36	0.65	H	- 19.5	5.91		19	1	1
4414	91.41	0.50	0.49	91.36	0.54	0.63	6.34	0.61	H		7.15		11	1	3
4415	91.32	0.64	0.61	91.21	0.60	0.59	6.89	0.69	H		8.39	2	11	1	3
2339	90.98	0.71	0.49	90.90	0.43	0.51	3.85	0.78	H	+ 24.	5.32		39		
2350	91.38	0.48	0.47	91.35	0.59	0.73	4.98	0.58	H	+ 9.3	6.05		11	1	3
2344	91.14	0.78	0.66	90.98	0.52	0.62	19.44	0.86	H	+ 36.3	5.38		29	2	
2345	91.21	0.78	0.57	91.24	0.59	0.54	20.51	0.82	H	+ 36.3	4.67		19	1	1
2343	91.08	0.70	0.60	90.82	0.44	0.49	8.97	0.75	H	+ 17.8	6.21		19	1	1
2347	91.20	0.74	0.55	91.33	0.65	0.60	10.48	0.89	H	+ 23.1	5.66		19	1	1
2348	91.39	0.75	0.64	91.23	0.53	0.54	32.03	0.91	H	+ 47.5	5.97		19	1	1
4420	90.64	1.50	0.96	90.58	0.64	0.97	7.54	2.00	H		8.93		31		
4421	91.14	0.76	0.69	91.02	0.54	0.62	12.76	0.83	H		6.76		15	1	3
4422	91.30	0.63	0.61	91.17	0.65	0.63	3.40	0.77	H		8.57		31		
2351	91.11	0.43	0.41	91.18	0.41	0.42	9.50	0.46	H	+ 4.6	5.30		11	1	3
4423	91.16	0.49	0.54	91.39	0.56	0.64	3.26	0.74	H		7.51		11	1	3
4424	91.25	1.01	0.76	90.98	0.73	0.72	3.81	1.18	H		8.23		11	1	3
4426	90.87	1.03	0.70	90.81	0.66	0.72	2.26	1.36	H		9.04		21	2	
2352	91.04	0.53	0.60	91.18	0.48	0.58	11.06	0.78	H	+ 6.6	5.53		11	1	3
4427	91.48	0.43	0.46	91.23	0.54	0.52	2.58	0.77	H		6.76	1	31		
4428	90.90	0.90	0.78	90.85	0.65	0.73	3.39	1.20	H		8.86		11	1	3
2354	91.37	0.50	0.55	91.21	0.46	0.51	14.66	0.51	H	+ 0.	5.28	1	28	2	
4429	91.38	0.84	0.58	91.37	0.83	0.57	8.28	1.12	H	+ 23.5	7.75		11	1	3
4430	90.82	0.66	0.61	90.67	0.41	0.55	1.55	0.36	P	+ 9.	7.22		39		
2356	91.56	0.47	0.44	91.27	0.50	0.52	7.15	0.53	H	+ 15.4	6.46		11	1	3
2346	91.26	0.42	0.39	91.37	0.51	0.58	6.55	0.61	H		6.67		11	1	3
2355	91.38	0.46	0.44	91.22	0.45	0.45	10.36	0.54	H	- 6.	6.04		21	2	
4431	91.06	0.94	0.82	91.11	0.66	0.69	3.25	1.06	H		7.99		11	1	3
4432	91.04	0.56	0.54	91.20	0.64	0.70	1.51	0.74	H		7.67		11	1	3
4433	91.05	0.98	0.59	90.96	0.68	0.57	1.14	1.09	H		8.39		31		
4434	91.16	1.14	0.86	90.92	0.77	0.75	4.34	1.26	H	- 19.0	8.88		11	1	3
4435	91.26	0.55	0.58	91.13	0.54	0.60	2.36	0.58	H		7.47		11	1	3
4436	91.36	0.88	0.57	91.26	0.61	0.55	5.10	1.02	H	+ 23.0	7.41		11	1	3
4437	91.25	0.53	0.53	91.20	0.53	0.57	5.73	0.61	H		7.35		11	1	3
2360	91.30	0.48	0.51	91.22	0.48	0.52	4.56	0.55	H	+ 18.4	6.72		31		
4438	91.37	1.06	0.67	91.31	0.69	0.60	7.34	1.18	H	+ 41.9	8.25		31		
4439	91.44	0.91	0.65	91.05	0.55	0.56	6.20	0.90	H	- 19.0	7.03		11	1	3
4440	91.70	0.58	0.47	91.11	0.76	0.75	2.68	0.62	P		8.56		15	1	3
4441	91.25	0.55	0.57	91.24	0.59	0.70	9.39	0.62	H	+ 27.	7.64		11	1	3
4442	91.40	0.51	0.53	91.11	0.57	0.57	2.77	0.62	H	- 6.1	7.17	2	13		
2359	91.23	0.73	0.51	91.35	0.55	0.52	13.90	0.81	H	+ 23.2	5.57		31		
2363	91.09	0.52	0.46	91.24	0.47	0.45	28.28	0.80	H	- 3.0	6.27		31		
4443	91.34	0.57	0.53	91.25	0.71	0.71	1.11	0.93	H		8.62		11	1	3
4444	91.61	1.09	0.71	90.99	0.70	0.60	4.57	1.30	H		7.65	2	13		
2361	91.00	0.63	0.54	90.70	0.40	0.48	10.16	0.75	H	+ 29.0	5.64		21	2	
4446	91.12	0.79	0.64	91.04	0.65	0.64	30.51	0.94	H		6.78		11	1	3
4447	91.29	0.53	0.52	91.20	0.57	0.60	2.95	0.63	H	+ 30.0	7.13		11	1	3
2362	91.37	0.41	0.44	91.29	0.47	0.50	6.53	0.71	H	- 36.0	5.47	1	13		
4448	91.29	0.97	0.75	91.07	0.64	0.59	6.25	1.09	H		7.54		11	1	3
2365	91.35	0.73	0.65	91.29	0.55	0.55	9.27	0.85	H	+ 38.	5.97		31		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4411	+ 0.41	- 0.06	- 0.12	- 1.79	+ 1.74	+ 0.28	- 0.07	- 0.16	+ 4.04	- 0.46
2336	+ 0.43	- 0.22	- 0.27	+ 0.88	+ 0.47	- 0.17	- 0.04	- 0.04	- 2.10	+ 0.27
4414	- 0.05	- 0.01	- 0.02	- 3.33	+ 1.14	+ 1.46	- 0.33	- 0.67	+ 1.17	+ 3.78
4415	- 0.31	+ 0.05	+ 0.09	+ 0.11	- 0.79	+ 0.69	- 0.12	- 0.23	- 3.20	+ 2.41
2339	+ 0.40	- 1.15	- 2.08	- 0.97	+ 1.34	+ 0.18	- 0.59	- 1.13	- 0.33	+ 0.59
2350	+ 0.43	- 0.07	- 0.18	+ 2.46	+ 0.87	- 1.09	+ 0.26	+ 0.71	- 5.74	- 2.43
2344	+ 0.69	- 1.34	- 1.76	- 0.48	+ 1.45	+ 0.98	- 0.84	- 1.11	+ 0.97	+ 1.51
2345	+ 0.19	- 0.29	- 0.41	+ 1.32	- 0.32	+ 0.12	- 0.17	- 0.25	+ 1.76	- 0.62
2343	+ 1.08	- 0.87	- 1.21	+ 0.74	+ 1.94	- 1.08	+ 0.11	+ 0.10	- 3.52	- 0.35
2347	- 0.14	- 0.02	+ 0.01	- 3.28	+ 0.76	- 0.04	+ 0.01	+ 0.03	+ 1.22	- 0.55
2348	+ 0.03	- 0.11	- 0.14	- 0.81	+ 0.32	+ 1.54	- 0.20	- 0.28	+ 4.61	+ 1.08
4420	+ 0.32	- 0.57	- 1.30	+ 0.16	+ 1.02	- 0.18	+ 0.11	+ 0.11	+ 5.49	- 2.66
4421	- 0.27	+ 0.27	+ 0.40	+ 0.33	- 0.48	+ 0.07	+ 0.09	+ 0.15	+ 2.82	- 0.22
4422	+ 0.62	- 0.19	- 0.54	+ 4.37	+ 1.09	- 1.03	+ 0.35	+ 0.91	- 7.76	- 1.30
2351	+ 0.00	- 0.01	- 0.02	+ 0.87	- 0.37	- 0.58	+ 0.09	+ 0.13	- 0.98	- 0.78
4423	+ 0.31	- 0.05	- 0.13	+ 0.51	+ 1.06	+ 0.25	- 0.06	- 0.16	- 1.17	+ 1.34
4424	- 0.10	+ 0.25	+ 0.98	- 0.95	- 0.17	+ 0.05	+ 0.12	+ 0.62	- 2.69	+ 0.42
4426	- 0.51	+ 0.60	+ 1.81	- 4.37	- 1.00	+ 0.41	- 0.11	- 0.33	+ 7.18	- 0.37
2352	- 0.10	+ 0.18	+ 0.29	- 1.61	+ 0.16	+ 1.02	- 0.32	- 0.48	- 0.24	+ 2.01
4427	+ 0.41	- 0.13	- 0.27	+ 3.27	+ 0.36	- 0.78	+ 0.50	+ 1.04	- 1.28	- 1.67
4428	- 0.36	+ 0.41	+ 1.03	+ 2.72	- 1.29	- 0.63	+ 0.39	+ 0.92	- 6.41	- 1.11
2354	+ 1.59	- 0.49	- 0.64	+ 1.64	+ 2.28	- 2.48	+ 0.81	+ 1.02	- 1.24	- 3.86
4429	+ 0.18	- 0.16	- 0.21	+ 2.42	- 0.01	- 0.30	+ 0.23	+ 0.31	- 4.67	+ 0.07
4430	+ 0.07	+ 0.05	+ 0.23	+ 0.48	+ 0.01	- 0.68	+ 0.32	+ 1.00	- 0.36	- 2.49
2356	- 1.44	+ 0.13	+ 0.25	- 4.16	- 2.09	+ 0.12	- 0.01	- 0.02	+ 0.64	+ 0.00
2346	+ 0.13	- 0.03	- 0.04	+ 0.95	- 0.14	+ 0.15	- 0.03	- 0.06	- 4.35	+ 1.91
2355	- 0.16	+ 0.10	+ 0.15	- 3.23	+ 0.92	+ 3.06	- 0.45	- 0.66	+ 1.85	+ 5.49
4431	+ 0.30	- 0.28	- 0.78	+ 0.54	+ 0.91	- 0.50	+ 0.16	+ 0.39	- 0.27	- 1.47
4432	- 0.14	+ 0.07	+ 0.22	- 1.74	- 0.29	+ 0.16	- 0.09	- 0.40	- 5.77	+ 1.69
4433	- 0.17	+ 0.64	+ 3.37	- 0.80	- 0.95	+ 0.11	- 0.11	- 0.39	+ 5.28	- 0.10
4434	+ 0.01	- 0.22	- 0.81	- 4.39	+ 0.78	+ 0.21	- 0.35	- 0.90	+ 3.03	+ 0.17
4435	+ 0.69	- 0.13	- 0.45	+ 7.50	+ 1.25	+ 0.48	- 0.11	- 0.35	+ 1.39	+ 1.73
4436	+ 0.26	- 0.57	- 0.97	- 0.09	+ 0.49	+ 0.15	- 0.16	- 0.27	- 1.07	+ 0.36
4437	- 0.48	+ 0.16	+ 0.26	- 0.77	- 0.79	- 0.81	+ 0.39	+ 0.64	- 2.72	- 1.06
2360	- 0.08	- 0.03	- 0.08	+ 2.34	- 0.91	- 1.12	+ 0.22	+ 0.45	+ 1.17	- 3.44
4438	- 0.73	+ 1.41	+ 2.37	- 3.55	- 0.91	+ 0.55	- 0.39	- 0.55	+ 4.27	+ 0.38
4439	+ 0.11	- 0.45	- 0.97	+ 1.82	+ 0.07	+ 0.24	- 0.37	- 0.75	+ 2.32	+ 0.22
4440	+ 0.09	+ 0.00	+ 0.02	+ 4.99	- 0.79	- 0.19	+ 0.05	+ 0.20	- 1.25	- 0.58
4441	+ 1.60	- 0.26	- 0.45	+ 5.25	+ 2.37	- 0.59	+ 0.18	+ 0.32	+ 0.92	- 1.44
4442	- 0.13	+ 0.04	+ 0.09	+ 1.72	- 0.88	+ 0.04	- 0.01	- 0.04	- 0.09	+ 0.14
2359	+ 0.40	- 0.35	- 0.40	+ 0.43	+ 0.52	- 1.39	+ 0.43	+ 0.55	- 4.73	- 0.55
2363	- 0.41	+ 0.40	+ 0.45	- 1.43	- 0.09	+ 0.34	- 0.27	- 0.31	+ 0.30	+ 0.42
4443	- 0.06	+ 0.00	- 0.09	+ 3.82	- 0.70	- 0.33	+ 0.16	+ 0.97	- 0.05	- 2.17
4444	- 0.18	+ 0.30	+ 0.69	- 3.02	- 0.12	+ 0.29	- 0.05	+ 0.00	+ 1.01	+ 0.40
2361	+ 1.38	- 1.06	- 1.34	+ 0.72	+ 2.44	- 3.30	+ 0.90	+ 1.19	- 1.02	- 5.73
4446	+ 0.08	- 0.10	- 0.13	- 0.07	+ 0.13	+ 0.07	- 0.08	- 0.10	- 1.77	+ 0.39
4447	+ 0.99	- 0.22	- 0.55	+ 1.81	+ 2.66	+ 0.14	- 0.07	- 0.20	+ 2.88	- 0.25
2362	- 0.42	+ 0.07	+ 0.11	- 0.54	- 0.70	+ 0.10	- 0.01	- 0.01	- 1.80	+ 0.77
4448	- 0.15	+ 0.12	+ 0.22	- 4.66	+ 0.41	+ 0.22	- 0.08	- 0.12	- 2.38	+ 0.79
2365	- 0.33	+ 0.39	+ 0.59	- 1.63	+ 0.12	+ 0.66	- 0.34	- 0.46	+ 2.73	- 0.13

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
4411	1.05	0.49	0.50	2.78	1.63	1.07	0.66	0.70	2.93	1.61	1.52	1.10	1.04	1.74	0.66	
2336	0.69	0.48	0.50	1.67	0.77	1.12	0.51	0.53	3.02	1.59	0.95	0.82	2.25	0.73	1.74	t
4414	0.94	0.52	0.54	2.18	1.32	1.13	0.67	0.70	2.71	1.76	1.62	2.47	2.10	1.93	2.19	
4415	1.16	0.64	0.67	3.55	1.68	1.16	0.62	0.64	3.53	1.67	0.83	1.56	0.46	1.46	2.04	
2339	0.57	0.76	0.91	1.24	0.68	0.62	0.69	0.80	1.52	0.75	0.83	3.18	2.31	1.73	0.15	t
2350	1.17	0.48	0.49	3.75	2.06	1.20	0.76	0.81	3.82	1.96	1.79	1.55	0.74	0.85	0.71	
2344	0.89	0.95	1.02	1.95	0.98	1.03	0.75	0.79	2.21	1.23	1.04	2.73	3.47	0.91	0.99	t
2345	0.75	1.00	1.10	1.33	0.83	0.78	0.81	0.87	1.42	0.91	1.44	0.34	0.86	1.76	1.79	t
2343	0.82	0.80	0.87	1.52	1.02	0.83	0.59	0.63	1.61	1.08	2.46	2.46	0.27	1.76	0.25	t
2347	0.74	0.81	0.89	1.64	0.79	1.09	0.69	0.74	2.42	1.45	1.86	0.78	1.20	2.30	2.47	t
2348	1.20	0.75	0.77	2.73	1.29	1.45	0.57	0.58	3.01	1.95	1.62	0.73	1.55	1.05	0.58	t
4420	1.07	1.29	1.65	2.15	1.44	1.12	1.24	1.53	2.42	1.52	1.81	1.91		2.87	1.15	
4421	0.93	0.94	1.04	3.14	1.05	0.91	0.81	0.88	3.22	1.02	0.80	0.61	1.86	0.93	0.61	t
4422	1.00	0.63	0.67	3.07	1.65	0.94	0.66	0.72	2.83	1.43	3.34	1.63	2.58	2.24	1.87	
2351	1.04	0.43	0.44	2.23	1.43	1.00	0.44	0.45	2.32	1.32	0.61	0.70	1.41	0.47	0.37	t
4423	0.98	0.55	0.58	2.84	1.74	0.99	0.66	0.71	2.92	1.66	0.40	1.06	0.92	0.76	0.53	
4424	0.84	1.07	1.70	2.33	1.01	0.86	0.96	1.44	2.72	1.05	0.62	1.17		1.11	0.75	
4426	0.79	0.83	1.06	2.29	1.03	0.89	0.79	0.92	2.62	1.35	1.91	3.71		2.89	1.34	t
2352	1.00	0.70	0.74	2.58	1.20	1.09	0.64	0.67	2.81	1.39	0.71	1.62	2.21	0.95	0.90	
4427	0.73	0.50	0.53	2.30	1.02	0.69	0.60	0.67	2.42	0.89	1.76	2.50	2.00	1.17	1.13	
4428	0.87	0.97	1.25	3.35	1.05	0.90	0.84	0.99	3.93	1.16	2.08	1.86		1.73	1.76	
2354	1.02	0.62	0.64	2.16	1.28	0.97	0.57	0.59	2.13	1.18	1.44	4.26	5.15	1.11	1.05	t
4429	0.68	0.95	1.12	2.29	0.74	0.74	0.81	0.92	2.53	0.82	2.19	0.30	1.39	2.05	0.88	
4430	0.74	0.66	0.77	2.15	1.14	0.71	0.59	0.67	2.52	1.07	0.54	2.77	1.57	0.80	0.77	t
2356	1.15	0.45	0.46	2.79	1.77	1.08	0.54	0.56	2.42	1.61	1.58	1.28	0.44	0.66	1.57	
2346	0.83	0.42	0.43	1.75	1.10	1.19	0.60	0.62	3.23	1.86	1.42	1.01	0.75	1.76	1.34	
2355	1.07	0.46	0.47	2.34	1.42	1.09	0.47	0.48	2.51	1.47	1.72	4.03	3.72	1.96	2.61	
4431	0.93	0.97	1.21	2.73	1.23	0.95	0.75	0.84	3.12	1.38	1.59	0.49		0.37	0.91	
4432	0.71	0.57	0.64	2.95	1.04	0.84	0.74	0.86	3.38	1.29	1.67	1.40	0.54	2.11	0.92	
4433	0.60	0.76	1.26	2.28	0.69	0.64	0.64	0.81	2.62	0.84	3.02	2.61		1.95	1.52	
4434	0.92	1.17	1.67	2.93	1.08	0.87	0.96	1.21	2.82	1.06	0.94	1.72		1.91	1.22	
4435	0.91	0.59	0.63	3.32	1.59	0.91	0.62	0.66	3.33	1.56	2.41	1.59	2.40	1.70	0.73	
4436	0.66	0.84	0.99	2.89	0.72	0.77	0.66	0.72	3.32	0.90	0.37	1.28	1.29	0.46	0.97	
4437	0.90	0.58	0.61	2.37	1.18	0.86	0.65	0.69	2.44	1.10	1.39	1.53	1.00	0.62	0.63	
2360	0.95	0.53	0.56	2.51	1.39	0.97	0.54	0.57	2.61	1.47	0.98	2.55	2.32	1.91	0.61	
4438	0.77	0.99	1.16	2.36	0.88	0.81	0.75	0.81	2.72	0.94	2.41	2.83		1.71	1.30	
4439	0.79	0.96	1.20	2.56	0.90	0.81	0.75	0.91	2.82	0.95	1.37	0.85	1.16	0.96	0.44	
4440	0.91	0.48	0.51	3.41	1.59	1.03	0.79	0.87	3.64	1.72	1.50	0.62	0.80	1.55	0.92	t
4441	1.23	0.59	0.61	3.86	1.67	1.21	0.75	0.79	3.74	1.61	1.47	1.86	1.55	0.90	1.31	
4442	0.87	0.55	0.59	2.74	1.36	0.83	0.61	0.67	2.71	1.21	0.58	0.66	0.43	0.85	0.40	t
2359	0.75	0.70	0.73	1.57	0.79	0.95	0.59	0.61	1.91	1.17	2.68	1.23	1.76	1.86	0.16	
2363	0.69	0.62	0.64	1.34	0.75	0.78	0.56	0.57	1.62	0.86	1.30	0.86	2.63	0.87	1.25	t
4443	0.70	0.55	0.62	3.20	1.14	0.82	0.74	0.88	3.54	1.30	2.08	1.23		1.45	0.17	
4444	0.78	1.05	1.42	2.91	0.88	0.84	0.73	0.87	3.13	1.04	0.68	1.21		0.97	1.56	t
2361	0.78	0.70	0.74	1.43	0.97	0.90	0.53	0.55	1.92	1.16	1.71	6.34	5.66	2.33	3.16	
4446	0.92	0.86	0.91	2.84	0.99	1.01	0.80	0.84	2.93	1.13	0.55	0.38	0.62	0.69	0.21	
4447	0.88	0.54	0.57	2.71	1.38	0.90	0.63	0.68	2.73	1.42	1.38	2.15	1.48	1.05	2.11	
2362	0.96	0.47	0.48	2.57	1.26	1.00	0.53	0.55	2.52	1.36	0.73	0.82	2.39	0.90	0.73	t
4448	0.91	0.95	1.11	2.83	1.10	0.91	0.67	0.72	2.92	1.14	1.76	0.68	0.65	1.95	1.07	
2365	0.81	0.94	1.06	1.49	1.00	0.82	0.66	0.70	1.51	1.08	2.30	0.42	3.13	1.82	1.03	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2372	22737	RS		4 53 30.495565	- 66 40 31.48573	+ 4.05	+ 10.71
4449	22741	FX		4 53 32.176953	- 17 49 37.62312	- 1.52	- 7.19
4450	22754	FX		4 53 39.740427	+ 61 28 54.19427	+ 24.49	- 44.15
4451	22787	FX		4 54 4.208997	- 35 24 16.25981	+ 125.86	+ 158.00
2369	22834	RS		4 54 47.781403	+ 7 46 44.75039	- 21.22	- 27.13
2371	22847	BX		4 54 54.813471	- 39 37 42.98243	- 6.18	+ 22.72
4452	23011	FX		4 56 58.740483	- 8 27 31.97508	+ 19.13	+ 2.50
2373	23041	BX		4 57 17.190916	- 1 4 2.12997	- 36.61	- 27.34
4453	23067	FX		4 57 48.381571	- 4 39 17.83902	+ 15.06	- 21.56
4454	23103	FX		4 58 14.103769	+ 4 8 2.13833	- 0.54	- 5.14
4455	23255	FX		5 0 15.060495	- 0 11 37.61930	+ 19.77	- 1.79
3948	23265	BX		5 0 20.721701	+ 81 11 38.71857	+ 1.25	+ 27.74
4456	23294	FX		5 0 39.478548	- 70 37 26.34617	- 7.68	+ 30.68
4457	23301	FX		5 0 41.773096	+ 12 36 14.03694	+ 13.12	- 19.31
4458	23321	FX		5 0 56.509490	- 42 0 10.91157	- 1.65	+ 0.48
4460	23379	FX		5 1 34.909745	- 58 31 15.02956	+ 7.14	- 35.46
4461	23392	FX		5 1 42.402633	+ 84 52 21.24854	- 2.10	+ 3.22
2376	23408	RS		5 1 50.352842	+ 0 43 19.60419	+ 4.53	- 22.54
4462	23412	FX		5 1 54.399080	- 36 58 42.84434	+ 17.38	- 55.48
2377	23430	BX		5 2 9.821941	- 26 16 30.10713	+ 85.98	- 76.75
4463	23433	FX		5 2 14.741551	+ 31 15 49.28758	+ 8.45	- 6.47
4464	23455	FX		5 2 29.868278	+ 65 34 6.53810	- 7.73	- 16.60
2380	23467	BX	β Men	5 2 42.998371	- 71 18 51.48417	- 3.58	+ 10.25
4465	23517	FX		5 3 22.085429	- 19 30 1.64883	- 2.92	- 3.36
4466	23569	FX		5 4 3.024458	+ 47 39 53.42395	- 5.94	- 10.82
2378	23643	BX		5 4 54.525816	- 3 2 22.83582	+ 0.19	- 1.73
2381	23653	BX		5 5 0.605690	- 54 24 26.63842	- 0.25	+ 7.08
2388	23737	RS		5 6 9.295188	- 73 2 15.62312	+ 17.54	+ 62.14
4469	23811	FX		5 7 2.241986	+ 51 42 22.47992	- 2.39	- 7.14
2389	23840	BX		5 7 34.027847	- 63 23 58.85011	+ 12.83	- 45.42
4470	23889	FX		5 8 1.012042	- 26 47 50.88732	+ 55.94	- 45.23
4471	23991	FX		5 9 25.241447	- 23 7 7.16203	- 4.26	- 8.32
2382	24003	RS		5 9 36.718858	+ 69 38 21.84528	+ 60.15	- 63.45
2384	24017	BX		5 9 44.507026	+ 64 55 10.16631	- 16.57	- 182.19
4472	24103	FX		5 10 39.946833	+ 17 26 24.85302	- 0.51	- 6.92
4473	24117	FX		5 10 47.560323	- 5 10 11.11180	+ 1.00	- 1.50
2390	24162	RS		5 11 19.176780	- 2 29 26.81572	+ 81.46	+ 1.55
2392	24178	RS		5 11 30.063818	- 30 13 31.83972	+ 17.04	+ 6.45
4474	24184	FX		5 11 34.014174	+ 35 57 26.47768	- 13.72	+ 11.12
2391	24197	BX		5 11 41.563814	+ 16 2 44.42839	+ 3.89	+ 6.92
3976	24256	RS		5 12 25.758385	- 81 32 30.23645	+ 16.30	+ 49.90
4476	24319	FX		5 13 8.074515	+ 44 34 1.15552	- 0.14	- 2.22
4477	24369	FX		5 13 43.508575	- 52 58 31.68106	- 4.08	+ 2.89
2393	24451	RS		5 14 44.271640	+ 53 12 50.21380	- 1.82	+ 0.05
2395	24555	BX	18 Ori	5 16 4.134089	+ 11 20 28.87284	- 8.62	- 6.57
4479	24666	FX		5 17 32.228373	+ 5 28 56.35557	+ 18.24	- 6.88
4481	24709	FX		5 18 0.982739	- 0 2 15.69312	+ 0.64	+ 0.23
4482	24716	FX		5 18 4.081051	+ 13 25 3.86178	- 14.46	- 13.25
2398	24822	BX	109 Tau	5 19 16.598946	+ 22 5 47.37058	+ 14.57	- 81.89
4483	24853	FX		5 19 40.948492	- 11 2 5.77484	- 0.61	- 3.73

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2372	91.19	0.52	0.56	91.14	0.50	0.62	2.84	0.55	H	- 24.6	6.43	2	18		
4449	91.18	0.80	0.85	91.32	0.67	0.69	4.70	0.65	P		9.05		21	2	
4450	91.33	0.57	0.57	91.03	0.51	0.58	6.26	0.95	H		6.64		11	1	3
4451	91.04	0.51	0.53	91.01	0.64	0.65	38.52	0.76	H		7.60		11	1	3
2369	91.26	0.76	0.49	90.83	0.39	0.44	7.39	0.87	H	- 5.0	5.33		11	1	3
2371	91.30	0.45	0.46	91.26	0.47	0.48	3.22	0.55	H	+ 28.4	6.11		11	1	3
4452	91.17	0.68	0.74	91.13	0.55	0.64	6.33	0.83	H	+ 27.7	6.89		11	1	3
2373	91.01	0.71	0.66	90.89	0.47	0.54	11.91	0.85	H	+ 11.7	6.25		31		
4453	90.93	0.87	0.85	90.92	0.55	0.62	7.56	1.03	H		7.67		11	1	3
4454	91.07	1.10	0.78	90.83	0.62	0.71	3.28	1.33	H		9.26		11	1	3
4455	90.98	1.04	0.76	90.85	0.60	0.66	7.85	1.21	H	+ 41.	8.08		11	1	3
3948	91.19	0.41	0.32	91.40	0.43	0.41	9.46	0.53	H	- 8.2	5.09		19	1	1
4456	91.49	0.62	0.61	91.35	0.61	0.67	9.30	0.66	H	- 27.0	7.59		11	1	3
4457	91.06	0.96	0.82	90.75	0.48	0.60	4.85	1.19	H		8.26		11	1	3
4458	91.20	0.54	0.52	91.34	0.66	0.69	2.33	0.54	P		7.75	2	31		
4460	91.20	0.67	0.64	91.39	0.65	0.63	1.22	0.72	H		8.54		31		
4461	91.17	0.47	0.46	91.35	0.57	0.64	3.06	0.63	H		7.71		11	1	3
2376	91.00	0.76	0.74	90.91	0.47	0.55	6.55	0.91	H	+ 20.9	5.91		31		
4462	91.28	0.49	0.50	91.21	0.58	0.73	4.96	0.67	H		7.61		11	1	3
2377	91.47	0.33	0.34	91.16	0.43	0.44	13.45	0.59	H	+ 27.4	5.01		21	2	
4463	91.16	1.19	0.80	91.13	0.92	0.76	7.01	1.31	H		8.91	2	17		
4464	91.19	0.60	0.56	91.10	0.56	0.56	2.30	0.94	H		7.91		35		
2380	91.32	0.47	0.47	91.30	0.47	0.49	5.08	0.50	H	- 11.4	5.30		11	1	3
4465	91.32	0.60	0.67	90.95	0.64	0.68	1.59	0.37	P		8.61		31		
4466	91.28	0.83	0.74	90.98	0.53	0.53	3.98	0.93	H		7.13		31		
2378	91.04	0.65	0.49	90.97	0.50	0.46	3.70	0.51	H	+ 28.7	6.04		31		
2381	91.15	0.51	0.50	91.17	0.54	0.51	4.66	0.57	H	+105.5	6.26	2	21	2	
2388	91.46	0.43	0.43	91.36	0.47	0.54	7.70	0.48	H	+ 8.	6.26		18		
4469	91.11	0.88	0.64	91.15	0.65	0.58	2.55	1.04	H		8.00		15	1	3
2389	91.26	0.43	0.43	91.18	0.43	0.51	5.20	0.46	H	+ 19.3	5.19	2	23	2	
4470	91.34	0.45	0.52	91.15	0.67	0.74	11.51	0.90	H		8.05		31		
4471	91.61	0.46	0.57	91.04	0.55	0.64	2.76	0.86	H		7.24		11	1	3
2382	91.54	0.36	0.38	91.26	0.54	0.64	8.52	0.78	H	- 7.2	6.43		11	1	3
2384	91.29	0.47	0.46	91.12	0.42	0.44	25.27	0.71	H	+ 0.	6.37		19	1	1
4472	91.09	1.09	0.83	90.86	0.54	0.59	2.00	0.28	P	+ 22.9	7.90	1	31		
4473	91.18	0.85	0.83	91.46	0.65	0.70	2.00	0.46	P		8.43		31		
2390	91.05	0.70	0.68	90.97	0.52	0.65	26.04	0.83	H	+ 30.9	5.89		19	1	1
2392	91.24	0.42	0.43	91.24	0.51	0.59	8.48	0.65	H		7.06		31		
4474	91.10	0.90	0.77	90.76	0.44	0.53	5.48	1.00	H	- 37.	7.08		11	1	3
2391	91.13	0.71	0.51	90.85	0.42	0.42	10.15	0.82	H	- 6.1	5.18		11	1	3
3976	91.16	0.44	0.43	90.97	0.46	0.55	5.29	0.50	H	+ 19.2	6.51		18		
4476	90.93	0.86	0.70	90.81	0.53	0.56	1.80	0.25	P	- 6.4	7.34		11	1	3
4477	91.01	0.54	0.55	91.11	0.59	0.62	3.98	0.60	H		7.52		11	1	3
2393	91.04	0.73	0.67	91.04	0.53	0.53	1.90	0.87	H	+ .5	6.16		19	1	1
2395	91.08	0.68	0.57	90.80	0.42	0.48	8.86	0.75	H	- 8.2	5.52		11	1	3
4479	90.97	0.88	0.75	90.84	0.51	0.54	6.59	1.16	H		7.14		31		
4481	91.03	0.72	0.74	90.77	0.50	0.67	3.93	0.98	H		7.39		31		
4482	91.05	1.14	0.77	90.82	0.61	0.64	5.51	1.32	H	+ 11.0	7.74	2	33		
2398	91.15	0.80	0.44	90.78	0.44	0.39	15.83	0.86	H	+ 19.3	4.96		21	2	
4483	90.89	0.80	0.76	90.97	0.62	0.64	2.48	1.02	H		7.67		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2372	- 1.00	+ 0.14	+ 0.49	- 4.80	- 3.14	+ 0.51	- 0.11	- 0.36	+ 2.35	+ 1.59
4449	+ 1.16	- 0.14	- 0.32	- 0.37	+ 3.93	+ 2.56	- 0.62	- 1.45	+ 9.48	+ 4.96
4450	+ 0.47	- 0.45	- 0.66	+ 2.26	+ 0.58	+ 0.52	- 0.30	- 0.43	- 4.36	+ 1.11
4451	- 0.35	+ 0.03	+ 0.04	- 1.44	- 0.09	+ 0.68	- 0.19	- 0.25	+ 1.45	+ 0.72
2369	+ 0.12	- 0.37	- 0.52	+ 0.14	+ 0.19	+ 0.02	- 0.01	- 0.01	+ 1.17	- 0.24
2371	+ 0.21	- 0.03	- 0.06	+ 0.44	+ 0.38	+ 0.68	- 0.23	- 0.44	+ 2.07	+ 1.05
4452	+ 0.61	- 0.31	- 0.60	+ 1.55	+ 1.12	- 0.16	- 0.02	- 0.05	- 1.81	+ 0.06
2373	- 0.24	+ 0.21	+ 0.31	- 0.70	- 0.26	- 0.63	+ 0.17	+ 0.25	- 0.58	- 1.06
4453	+ 0.58	- 0.45	- 0.90	+ 4.99	+ 0.07	+ 0.35	- 0.12	- 0.19	+ 2.12	+ 0.23
4454	- 0.14	+ 0.38	+ 1.19	+ 0.62	- 0.66	+ 0.01	- 0.02	- 0.10	+ 2.75	- 0.54
4455	- 0.01	+ 0.08	+ 0.15	+ 2.62	- 0.57	- 0.36	+ 0.15	+ 0.25	- 1.06	- 0.52
3948	+ 0.31	- 0.23	- 0.26	+ 1.34	+ 0.07	+ 0.28	- 0.23	- 0.27	- 2.71	+ 0.96
4456	- 0.73	+ 0.14	+ 0.25	- 7.73	- 0.04	+ 0.45	- 0.13	- 0.22	- 1.41	+ 1.15
4457	+ 0.64	- 0.66	- 1.56	+ 4.07	+ 1.19	- 0.24	- 0.01	- 0.06	- 3.78	+ 0.02
4458	+ 0.05	+ 0.00	- 0.02	+ 3.40	- 1.18	+ 0.17	- 0.07	- 0.23	- 0.42	+ 0.90
4460	- 0.61	+ 0.14	+ 0.87	- 7.61	- 2.77	+ 0.15	- 0.04	- 0.24	- 3.93	+ 1.86
4461	+ 0.08	- 0.02	- 0.05	- 4.41	+ 0.81	+ 0.32	- 0.07	- 0.23	- 2.35	+ 1.63
2376	- 0.47	+ 0.17	+ 0.31	- 3.07	- 0.43	+ 1.01	- 0.10	- 0.21	+10.38	- 0.50
4462	- 0.17	- 0.01	- 0.03	- 1.86	+ 0.09	+ 0.85	- 0.23	- 0.58	+ 5.00	+ 1.42
2377	+ 0.38	- 0.17	- 0.19	+ 0.76	+ 0.30	+ 0.00	+ 0.11	+ 0.12	+ 4.78	- 1.41
4463	- 0.20	+ 0.56	+ 1.23	- 0.95	- 0.38	- 0.13	+ 0.28	+ 0.63	- 1.85	- 0.06
4464	- 0.11	- 0.03	- 0.17	- 0.95	- 0.11	+ 1.08	- 0.31	- 0.89	+ 0.96	+ 3.40
2380	- 0.01	+ 0.02	+ 0.04	+ 0.90	- 0.35	- 0.65	+ 0.27	+ 0.43	- 3.67	- 0.26
4465	+ 0.07	- 0.02	- 0.07	- 6.39	+ 2.58	+ 0.09	- 0.03	- 0.14	+ 1.98	- 0.04
4466	+ 0.33	- 0.38	- 0.95	- 0.35	+ 1.12	+ 1.02	- 0.30	- 0.68	+ 8.09	+ 1.17
2378	- 0.36	+ 0.82	+ 1.42	+ 0.52	- 1.07	- 0.29	+ 0.43	+ 0.75	+ 0.07	- 0.68
2381	- 0.61	+ 0.11	+ 0.24	- 1.16	- 1.51	+ 1.23	- 0.28	- 0.54	- 3.91	+ 5.06
2388	+ 0.32	- 0.03	- 0.06	+ 1.30	+ 0.53	- 0.47	+ 0.06	+ 0.12	+ 3.90	- 2.25
4469	+ 0.51	- 0.70	- 1.80	+ 5.08	+ 1.00	- 0.14	- 0.01	- 0.07	- 1.33	- 0.17
2389	+ 1.11	- 0.15	- 0.26	+ 1.77	+ 2.02	- 1.59	+ 0.39	+ 0.68	+ 1.45	- 4.21
4470	+ 1.55	- 0.21	- 0.33	+ 2.75	+ 2.26	+ 1.65	- 0.62	- 1.02	+ 0.21	+ 4.02
4471	+ 0.29	- 0.08	- 0.21	- 1.18	+ 1.40	- 0.16	+ 0.06	+ 0.18	+ 0.14	- 0.60
2382	- 0.93	+ 0.21	+ 0.27	- 2.73	- 0.61	+ 0.06	- 0.07	- 0.10	+ 0.67	+ 0.00
2384	+ 0.50	- 0.15	- 0.18	+ 2.67	- 0.41	- 0.17	- 0.01	- 0.01	- 0.17	- 0.23
4472	+ 0.09	- 0.02	- 0.01	+ 2.60	- 0.06	- 0.44	+ 0.11	+ 0.40	- 7.69	- 0.37
4473	- 0.75	+ 0.37	+ 1.74	- 5.78	- 2.82	- 0.66	+ 0.23	+ 0.95	- 1.88	- 3.16
2390	- 0.14	- 0.01	+ 0.00	- 2.68	+ 0.61	+ 0.21	- 0.09	- 0.11	- 1.07	+ 0.87
2392	- 2.52	+ 0.20	+ 0.37	- 6.06	- 4.59	+ 0.67	- 0.06	- 0.15	+ 2.65	+ 1.47
4474	+ 1.07	- 0.54	- 1.19	+ 3.10	+ 2.31	+ 0.26	- 0.07	- 0.16	+ 2.89	+ 0.25
2391	+ 0.17	- 0.29	- 0.43	+ 2.32	- 1.00	+ 1.01	- 0.48	- 0.60	+ 1.47	+ 1.14
3976	+ 0.20	- 0.02	- 0.05	+ 1.93	+ 0.20	- 0.61	+ 0.06	+ 0.17	+ 0.86	- 2.36
4476	- 0.08	+ 0.15	+ 0.57	+ 1.31	- 0.64	+ 0.18	- 0.11	- 0.33	- 0.82	+ 0.75
4477	- 0.29	+ 0.02	+ 0.05	+ 0.87	- 1.21	- 0.54	+ 0.14	+ 0.32	+ 2.57	- 2.25
2393	+ 0.06	- 0.02	- 0.09	+ 0.97	+ 0.03	- 0.48	+ 0.05	+ 0.26	- 0.87	- 2.76
2395	- 0.06	+ 0.07	+ 0.10	- 0.68	+ 0.18	+ 0.02	+ 0.03	+ 0.03	+ 2.66	- 1.05
4479	+ 0.37	- 0.35	- 0.63	- 1.02	+ 0.89	- 1.22	+ 0.58	+ 0.86	- 8.31	- 1.13
4481	- 0.66	+ 0.32	+ 0.79	- 6.80	- 0.24	+ 0.35	+ 0.00	+ 0.02	+ 0.23	+ 0.94
4482	- 0.21	+ 0.11	+ 0.11	+ 1.31	- 0.55	+ 1.38	- 0.81	- 1.43	+ 3.15	+ 2.35
2398	- 0.51	+ 3.85	+ 5.05	- 0.56	- 0.83	- 0.11	+ 0.62	+ 0.81	+ 0.07	- 0.25
4483	+ 0.32	- 0.23	- 0.92	- 1.36	+ 2.02	- 0.54	+ 0.19	+ 0.75	- 7.65	- 0.70

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
2372	0.99	0.57	0.60	3.17	1.89	0.98	0.64	0.68	3.22	1.74	1.83	2.11	1.73	0.50	2.34	t
4449	1.16	0.92	1.04	3.03	1.80	1.08	0.73	0.80	2.92	1.68	4.17	3.61		1.81	3.24	
4450	0.72	0.77	0.86	2.99	0.80	0.79	0.72	0.79	3.54	0.89	1.42	1.80	0.55	1.60	1.58	
4451	1.33	0.56	0.57	2.85	1.73	1.24	0.72	0.74	2.93	1.52	0.76	0.58	0.36	0.46	0.16	t
2369	0.58	0.86	0.97	1.23	0.65	0.68	0.53	0.55	1.71	0.80	0.78	0.65	1.77	0.75	0.34	
2371	0.80	0.49	0.52	1.99	1.20	0.77	0.52	0.56	1.92	1.10	1.28	1.26	1.90	0.46	0.42	
4452	1.06	0.84	0.92	2.86	1.43	1.07	0.69	0.74	3.22	1.47	0.90	1.01	1.41	0.55	0.72	
2373	0.98	0.81	0.86	2.27	1.16	1.10	0.58	0.60	2.51	1.45	0.52	0.91	2.56	0.24	0.71	
4453	1.09	1.01	1.14	2.73	1.44	1.02	0.69	0.73	2.82	1.34	0.60	2.15		1.71	1.69	
4454	0.83	1.04	1.45	2.45	0.99	0.91	0.79	0.91	2.72	1.27	1.10	1.01		1.20	0.70	
4455	0.91	1.02	1.19	2.44	1.08	1.05	0.73	0.78	2.92	1.38	0.64	1.02		1.21	1.17	
3948	0.54	0.41	0.42	1.19	0.58	0.70	0.48	0.50	1.85	0.78	1.82	1.36	2.38	2.06	0.24	t
4456	1.20	0.65	0.67	3.73	1.61	1.17	0.72	0.76	3.74	1.52	2.13	0.83	0.79	2.00	0.52	
4457	0.98	0.99	1.18	3.40	1.22	1.00	0.64	0.68	3.72	1.38	1.63	1.86		1.25	1.31	
4458	0.88	0.53	0.56	2.60	1.66	0.91	0.73	0.82	2.63	1.49	0.94	1.29		1.54	2.98	
4460	0.83	0.65	0.71	3.26	1.65	0.80	0.64	0.71	3.14	1.47	2.79	2.40	2.86	2.13	1.40	
4461	0.82	0.48	0.51	3.12	1.16	1.00	0.66	0.71	3.80	1.62	1.24	1.48		1.84	0.82	
2376	1.09	0.83	0.90	3.16	1.46	1.18	0.57	0.59	3.31	1.85	3.33	0.45	1.21	2.97	1.01	
4462	1.09	0.51	0.53	3.27	1.78	1.14	0.76	0.82	3.42	1.77	1.68	1.03	1.43	1.07	1.45	
2377	0.63	0.40	0.41	1.26	0.70	0.69	0.55	0.57	1.51	0.77	2.97	1.69	1.90	3.65	0.59	
4463	0.89	1.17	1.49	2.85	1.01	0.92	0.99	1.17	2.92	1.10	0.93	1.01		0.60	0.86	t
4464	0.74	0.62	0.70	3.34	0.97	0.83	0.59	0.64	3.64	1.26	0.55	3.05	2.32	0.68	1.74	t
2380	0.81	0.52	0.54	1.83	1.08	0.79	0.56	0.59	1.93	1.02	2.08	0.66	0.19	1.66	1.10	
4465	0.88	0.69	0.76	2.87	1.65	0.84	0.71	0.81	2.72	1.41	1.46	2.25		2.79	0.41	
4466	0.94	0.84	0.97	3.07	1.24	0.92	0.56	0.60	3.13	1.33	1.75	2.75		2.08	1.17	
2378	0.57	0.70	0.82	1.24	0.70	0.62	0.58	0.64	1.52	0.77	0.71	2.56	3.05	1.20	0.63	
2381	1.04	0.51	0.53	2.74	1.72	0.96	0.54	0.56	2.32	1.46	1.50	3.68	1.66	3.27	0.14	
2388	1.30	0.43	0.44	3.78	2.09	1.27	0.56	0.57	3.92	1.93	1.02	1.21	1.45	1.42	1.01	t
4469	0.73	0.79	0.99	3.01	0.87	0.79	0.63	0.70	3.73	1.07	2.13	2.20		1.34	1.09	t
2389	0.94	0.45	0.46	2.25	1.38	0.94	0.55	0.57	2.42	1.32	0.93	3.75	1.39	2.05	0.49	t
4470	1.22	0.55	0.56	2.45	1.83	1.20	0.82	0.87	2.42	1.73	1.32	2.94	1.20	1.29	1.65	
4471	0.88	0.60	0.64	2.52	1.41	0.88	0.69	0.76	2.62	1.33	0.37	1.16	0.45	0.93	0.84	
2382	0.82	0.41	0.42	1.72	1.02	1.21	0.68	0.71	3.22	1.73	1.71	0.80	0.77	1.07	1.53	
2384	0.88	0.53	0.54	1.64	1.03	1.30	0.45	0.46	3.02	1.66	1.65	0.23	0.64	1.59	1.19	t
4472	0.91	0.93	1.22	3.32	1.22	0.84	0.62	0.70	3.22	1.37	0.50	2.59		2.23	0.21	
4473	1.00	0.87	1.01	2.73	1.76	0.93	0.73	0.81	2.72	1.65	3.17	2.77		1.00	0.66	
2390	1.08	0.85	0.89	2.42	1.21	1.19	0.74	0.77	2.41	1.50	1.10	0.69	1.73	1.40	0.36	t
2392	1.25	0.44	0.45	4.42	1.74	1.45	0.60	0.61	4.70	2.44	1.56	2.84	0.81	0.38	0.81	
4474	1.07	0.85	0.94	3.92	1.43	1.07	0.55	0.57	4.12	1.55	1.29	2.05	0.92	0.63	2.17	
2391	0.68	0.76	0.82	1.18	0.81	0.73	0.50	0.52	1.32	0.93	2.32	1.77	2.14	2.32	0.81	
3976	1.19	0.43	0.44	4.09	2.12	1.20	0.56	0.58	4.02	2.06	0.51	1.19	0.87	0.81	1.41	t
4476	0.76	0.83	1.11	2.29	0.99	0.73	0.61	0.69	2.63	1.05	0.34	1.14	0.37	0.96	0.86	
4477	1.03	0.57	0.60	3.11	1.71	1.00	0.66	0.70	3.13	1.53	0.75	1.70	1.28	1.50	1.50	
2393	0.84	0.72	0.83	2.80	1.26	0.89	0.54	0.56	3.51	1.88	0.48	1.54	0.62	0.56	1.26	t
2395	0.70	0.86	0.95	1.35	0.84	0.75	0.58	0.61	1.52	0.93	1.69	0.97	1.07	2.15	0.33	
4479	0.90	0.97	1.12	2.88	1.07	0.83	0.63	0.67	3.02	0.99	1.97	2.97		2.34	0.57	
4481	0.98	0.82	0.93	2.74	1.40	1.02	0.71	0.78	3.12	1.58	0.84	2.63		2.14	0.83	
4482	0.86	1.08	1.36	2.80	1.00	0.89	0.74	0.82	2.92	1.11	1.55	2.83	1.76	0.68	1.66	t
2398	0.51	1.08	1.21	0.89	0.56	0.56	0.57	0.59	1.11	0.62	3.74	4.45	4.64	0.36	1.67	
4483	0.97	0.81	0.93	3.12	1.54	0.94	0.67	0.74	3.32	1.57	1.77	2.48		2.13	0.98	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2399	24879	BX	19 Aur	5 20 0.921 075	+ 33 57 28.997 33	+ 0.04	- 3.24
2397	24914	RS		5 20 22.610 475	+ 62 39 13.358 99	- 3.22	- 2.40
4484	24921	FX		5 20 24.474 823	+ 10 53 25.374 69	- 4.53	- 25.52
4485	24961	FX		5 20 44.503 505	- 29 12 21.869 29	+ 1.13	+ 13.53
4486	24973	FX		5 20 54.738 396	+ 40 53 5.474 48	- 5.63	- 4.36
4487	24983	FX		5 20 58.870 169	- 64 4 30.031 22	+ 2.72	+ 27.25
4488	25003	FX		5 21 13.138 941	- 75 55 2.540 89	- 9.33	- 13.49
4489	25008	FX		5 21 17.339 752	+ 54 15 9.166 79	- 7.88	+ 26.45
2401	25041	BX		5 21 43.561 102	+ 8 25 42.804 24	- 0.81	- 2.77
4492	25067	FX		5 21 58.417 504	- 38 29 18.913 49	- 5.58	+ 26.57
2403	25098	BX	κ Pic	5 22 22.146 534	- 56 8 3.842 45	- 5.12	+ 21.80
4493	25107	FX		5 22 32.304 771	- 73 48 5.157 62	- 14.28	+ 13.73
4494	25140	FX		5 22 48.933 894	- 59 38 4.785 37	- 35.87	+ 6.18
4495	25180	FX		5 23 11.995 759	- 26 42 19.561 73	+ 23.54	+ 22.76
2405	25194	RS		5 23 24.024 887	- 39 40 42.319 20	+ 26.82	+ 5.61
4496	25196	FX		5 23 26.766 314	- 49 22 29.784 70	+ 8.93	- 2.03
2402	25197	BX	16 Cam	5 23 27.842 451	+ 57 32 39.825 58	+ 14.67	- 55.69
2406	25302	RS	ψ^1 Ori	5 24 44.827 031	+ 1 50 47.201 22	+ 0.92	- 0.53
2407	25317	BX		5 24 55.577 357	- 44 13 32.464 47	- 1.93	+ 8.34
4497	25328	FX		5 25 1.256 947	+ 61 49 32.269 94	+ 15.61	- 24.90
4498	25350	FX		5 25 19.101 404	- 34 50 50.760 80	- 2.00	+ 9.71
2410	25429	RS	λ Dor	5 26 19.267 469	- 58 54 45.071 16	- 8.40	+ 32.48
4499	25468	FX		5 26 47.004 640	+ 70 13 41.483 11	+ 6.48	- 29.10
4500	25469	FX		5 26 48.105 982	+ 2 4 5.852 66	- 0.69	- 0.42
2408	25476	RS		5 26 54.317 470	+ 35 27 26.179 85	- 14.70	- 12.10
2409	25486	BX		5 27 4.763 482	- 11 54 3.470 80	+ 17.73	- 49.49
2411	25551	RS		5 27 44.631 286	- 25 38 12.529 87	- 3.06	+ 1.75
4502	25636	FX		5 28 33.224 929	- 4 41 49.302 62	- 7.44	- 5.82
2404	25714	BX		5 29 25.689 211	+ 77 58 39.040 25	+ 12.59	- 14.32
2412	25816	BX		5 30 48.651 439	+ 41 27 43.173 07	+ 2.37	- 35.14
4503	25924	FX		5 31 56.213 680	+ 81 3 24.480 33	- 0.70	+ 2.37
2414	26093	BX	35 Ori	5 33 54.283 856	+ 14 18 20.078 95	- 2.22	- 6.00
4504	26150	FX		5 34 29.574 255	- 8 12 26.174 80	- 0.21	- 20.90
2422	26169	BX		5 34 44.782 856	- 73 44 28.599 90	+ 0.21	+ 36.65
2415	26248	RS	121 Tau	5 35 27.128 860	+ 24 2 22.519 88	+ 13.05	- 20.17
4505	26262	FX		5 35 35.370 874	+ 35 3 34.384 50	+ 1.61	- 2.22
4506	26269	FX		5 35 39.416 715	- 81 36 42.731 78	- 30.41	+ 30.08
4507	26292	FX		5 35 56.201 901	- 30 32 10.762 34	- 1.36	- 13.84
2417	26315	BX		5 36 15.959 855	+ 47 42 55.040 34	+ 14.72	- 20.09
2416	26344	RS		5 36 35.217 461	+ 54 25 43.170 24	- 7.34	- 10.64
4508	26364	FX		5 36 53.230 221	+ 38 20 32.159 11	- 34.04	- 23.29
2420	26386	RS		5 37 4.382 185	+ 11 2 6.012 38	+ 51.69	- 16.66
2421	26395	RS		5 37 8.772 592	- 11 46 31.856 06	+ 20.82	- 22.70
4510	26419	FX		5 37 21.747 832	+ 31 19 52.508 94	+ 23.35	- 51.77
4512	26510	FX		5 38 15.294 659	- 4 6 29.643 40	+ 17.00	- 19.14
4513	26511	FX		5 38 16.136 307	- 14 20 28.768 93	+ 12.87	- 34.42
2423	26594	RS	ω Ori	5 39 11.146 323	+ 4 7 17.276 42	+ 0.73	- 0.43
4514	26651	FX		5 39 51.494 246	+ 24 13 31.683 89	- 2.41	+ 41.10
4515	26680	FX		5 40 11.723 363	+ 10 15 9.678 73	- 7.13	- 28.52
2425	26712	RS		5 40 35.907 238	+ 31 21 29.509 00	- 4.98	- 9.02

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2399	90.97	0.70	0.57	90.92	0.41	0.40	1.06	0.77	H	- 4.3	5.05		31		
2397	91.58	0.48	0.43	91.57	0.46	0.46	.70	0.16	P	- 6.4	5.64		19	1	1
4484	91.26	1.04	0.62	90.84	0.55	0.52	5.22	1.23	H	+ 23.	7.42		33		
4485	91.12	0.46	0.51	91.20	0.55	0.58	6.37	0.71	H		7.41		31		
4486	90.97	0.86	0.64	90.97	0.44	0.41	5.34	0.99	H		7.29		11	1	3
4487	91.35	0.58	0.62	91.18	0.60	0.72	3.42	0.62	H		7.86		11	1	3
4488	91.42	0.54	0.49	91.25	0.46	0.55	3.76	0.58	H		7.90		11	1	3
4489	91.15	0.75	0.57	91.22	0.55	0.47	7.05	0.85	H		6.63		11	1	3
2401	91.10	0.75	0.49	90.77	0.45	0.44	4.43	0.83	H	+ 26.	5.78		28	2	
4492	91.16	0.56	0.55	91.38	0.66	0.68	3.73	0.73	H		8.00		11	1	3
2403	91.13	0.44	0.44	91.13	0.52	0.52	4.35	0.51	H	- 5.2	6.10		19	1	1
4493	91.58	0.52	0.52	91.13	0.46	0.55	2.81	0.52	H		6.86		11	1	3
4494	91.25	0.67	0.64	91.20	0.64	0.68	6.32	0.69	H		8.24		11	1	3
4495	91.36	0.39	0.43	91.30	0.53	0.54	19.08	0.74	H	+ 42.	6.49		28	2	
2405	91.19	0.42	0.43	91.48	0.48	0.52	5.81	0.54	H	+ 62.4	5.73	2	13		
4496	91.02	0.57	0.59	91.27	0.68	0.67	3.25	0.67	H		7.85		31		
2402	91.16	0.58	0.44	91.38	0.50	0.47	9.59	0.77	H	+ 8.2	5.24		18		
2406	91.03	0.63	0.48	91.09	0.38	0.36	2.63	0.61	P	+ 9.5	4.89	2	38		
2407	91.38	0.43	0.42	91.30	0.48	0.51	6.13	0.51	H	+ 15.1	6.09		11	1	3
4497	91.37	0.57	0.55	91.41	0.57	0.56	4.05	0.87	H		7.97		11	1	3
4498	91.20	0.47	0.50	91.35	0.58	0.66	3.75	0.67	H		7.31		11	1	3
2410	91.39	0.51	0.54	91.26	0.47	0.51	6.98	0.51	H	+ 10.0	5.14		11	1	3
4499	91.43	0.32	0.31	91.35	0.52	0.53	3.82	0.76	H	+ 46.7	7.16		31		
4500	91.16	0.90	0.69	91.19	0.52	0.50	5.28	1.20	H		8.51		11	1	3
2408	90.93	0.67	0.65	91.00	0.39	0.38	5.06	0.75	H	- 21.0	6.17		11	1	3
2409	91.00	0.59	0.49	91.14	0.50	0.47	37.26	0.84	H	+ 18.8	6.30	1	19	1	1
2411	91.30	0.42	0.48	91.30	0.60	0.71	5.14	0.81	H		7.49		11	1	3
4502	91.14	0.85	0.84	91.02	0.56	0.60	3.90	1.04	H	+ 19.8	7.48		11	1	3
2404	91.30	0.42	0.39	91.22	0.49	0.54	4.53	0.62	H	- 16.3	6.53		19	1	1
2412	90.93	0.71	0.45	90.82	0.48	0.46	8.45	0.81	H	+ 14.1	5.99		31		
4503	91.26	0.56	0.49	91.22	0.59	0.58	3.03	0.74	H		7.62		11	1	3
2414	91.48	0.94	0.62	91.00	0.46	0.44	6.35	1.01	H	+ 16.7	5.60		19	1	1
4504	91.28	0.69	0.62	91.28	0.56	0.53	4.35	0.98	H		7.78		35		
2422	91.54	0.45	0.43	91.33	0.39	0.47	3.12	0.49	H	- 10.7	5.79	2	13		
2415	91.10	0.84	0.56	90.67	0.41	0.41	5.44	0.90	H	+ 16.8	5.37		39		
4505	91.05	1.10	0.84	90.85	0.69	0.69	.98	1.29	H		8.80		11	1	3
4506	91.13	0.49	0.47	91.00	0.48	0.56	20.12	0.54	H		7.12		11	1	3
4507	91.24	0.52	0.53	91.43	0.68	0.80	2.16	0.84	H		7.62		11	1	3
2417	90.84	0.77	0.66	90.69	0.49	0.56	9.79	0.86	H	+ 13.7	6.10		29	2	
2416	91.26	0.52	0.47	91.55	0.35	0.36	4.37	0.71	H	+ 0.9	5.74	1	21	2	
4508	90.96	0.92	0.83	90.83	0.61	0.68	2.86	1.07	H		7.65		21	2	
2420	91.24	0.72	0.46	91.57	0.53	0.44	3.97	0.82	H	-116.0	5.97	1	18		
2421	91.11	0.65	0.60	91.00	0.50	0.50	15.14	0.81	H	+ 23.4	6.10		18		
4510	91.23	1.12	0.83	90.90	0.63	0.62	9.90	1.29	H	- 22.8	8.25		11	1	3
4512	91.24	0.66	0.53	90.99	0.41	0.40	10.02	0.83	H	+ 27.7	6.86		21	2	
4513	91.19	0.88	0.78	91.03	0.72	0.70	12.17	1.22	H		8.31		31		
2423	91.41	0.79	0.61	91.58	0.48	0.49	3.67	0.84	P	+ 20.4	4.50	2	18		
4514	91.09	0.91	0.59	91.11	0.61	0.54	18.64	0.99	H	+ 3.5	7.12		15	1	3
4515	91.34	0.96	0.70	91.83	0.49	0.53	10.54	1.14	H	+ 48.	7.92		31		
2425	91.01	0.73	0.62	90.74	0.40	0.45	6.49	0.84	H	- 10.2	6.04		29	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2399	+ 0.04	- 0.01	- 0.02	+ 1.54	- 0.53	+ 0.64	- 0.12	- 0.44	+ 5.16	+ 1.36
2397	- 0.11	+ 0.06	+ 0.22	+ 1.23	- 0.59	- 0.03	+ 0.01	+ 0.06	+ 0.56	- 0.51
4484	+ 0.59	- 0.93	- 1.68	+ 0.97	+ 1.04	- 0.61	+ 0.04	- 0.06	+ 3.62	- 1.16
4485	- 0.61	+ 0.03	+ 0.04	- 0.60	- 1.21	- 2.20	+ 0.46	+ 0.87	- 9.42	- 2.90
4486	- 0.40	+ 0.30	+ 0.53	- 1.85	- 0.57	+ 0.21	+ 0.00	+ 0.00	- 2.13	+ 0.69
4487	+ 0.19	- 0.04	- 0.14	+ 3.62	- 0.08	+ 0.45	- 0.11	- 0.37	+ 2.43	+ 1.37
4488	- 0.38	+ 0.05	+ 0.13	+ 4.61	- 2.06	- 0.50	+ 0.09	+ 0.22	- 2.15	- 1.19
4489	+ 0.06	- 0.11	- 0.17	+ 0.30	+ 0.09	+ 0.68	- 0.28	- 0.39	+ 4.54	+ 0.68
2401	+ 0.56	- 0.86	- 1.39	+ 3.42	- 0.03	- 0.40	- 0.07	- 0.20	- 2.64	+ 0.10
4492	+ 0.17	- 0.07	- 0.14	- 3.04	+ 1.27	- 0.04	+ 0.03	+ 0.08	- 0.90	+ 0.10
2403	- 0.39	+ 0.05	+ 0.10	- 2.30	- 0.26	- 0.08	+ 0.02	+ 0.04	+ 1.06	- 0.55
4493	- 0.65	+ 0.10	+ 0.30	- 3.11	- 1.71	- 0.42	+ 0.08	+ 0.23	+ 1.06	- 1.63
4494	+ 0.08	- 0.03	- 0.06	- 0.91	+ 0.41	- 0.02	+ 0.01	+ 0.02	+ 5.17	- 1.08
4495	+ 6.52	- 1.71	- 2.03	+10.16	+ 7.38	+ 0.27	+ 0.14	+ 0.19	+ 1.72	+ 0.08
2405	+ 0.50	- 0.11	- 0.16	- 1.57	+ 1.75	+ 0.86	- 0.37	- 0.57	+ 0.70	+ 1.56
4496	- 0.55	+ 0.21	+ 0.52	- 4.12	- 0.73	+ 0.63	- 0.28	- 0.75	+ 1.98	+ 1.62
2402	- 0.32	+ 0.23	+ 0.27	- 1.39	+ 0.03	+ 0.85	- 0.21	- 0.28	- 0.08	+ 1.69
2406	+ 0.30	- 0.43	- 0.80	+ 0.95	+ 0.46	+ 0.32	- 0.06	- 0.07	+ 1.43	+ 0.27
2407	+ 0.19	- 0.04	- 0.07	+ 0.83	+ 0.07	- 0.48	+ 0.16	+ 0.25	+ 0.44	- 1.24
4497	- 0.19	+ 0.04	+ 0.08	+ 5.22	- 0.88	+ 0.37	- 0.06	- 0.15	- 4.39	+ 1.40
4498	- 0.50	+ 0.05	+ 0.16	- 2.43	- 1.02	+ 0.12	- 0.04	- 0.11	+ 2.38	- 0.30
2410	- 0.27	+ 0.11	+ 0.18	- 0.87	- 0.32	+ 0.60	- 0.16	- 0.26	- 1.75	+ 1.86
4499	+ 1.28	- 0.30	- 0.41	+ 0.17	+ 1.94	- 0.09	+ 0.07	+ 0.12	- 1.70	- 0.02
4500	+ 0.39	- 0.60	- 1.15	- 0.18	+ 0.91	+ 0.38	- 0.04	- 0.05	+ 2.98	+ 0.13
2408	- 0.15	+ 0.07	+ 0.16	- 2.79	+ 0.46	- 0.59	+ 0.05	+ 0.11	+ 0.62	- 1.93
2409	+ 0.51	- 0.48	- 0.54	+ 1.27	+ 0.34	+ 0.00	+ 0.16	+ 0.19	+ 1.04	- 0.25
2411	- 0.32	+ 0.05	+ 0.09	- 0.81	- 0.60	- 0.09	+ 0.01	+ 0.02	- 1.83	+ 0.27
4502	- 0.60	+ 0.26	+ 0.75	- 2.50	- 1.48	- 1.16	+ 0.29	+ 0.65	- 3.54	- 2.41
2404	+ 0.82	- 0.24	- 0.36	+ 2.02	+ 0.93	+ 0.53	- 0.15	- 0.30	- 2.05	+ 2.03
2412	+ 0.20	- 0.34	- 0.36	- 0.76	+ 0.80	- 1.10	+ 0.61	+ 0.77	- 0.14	- 1.79
4503	- 0.01	+ 0.02	+ 0.04	- 0.13	- 0.02	- 0.13	+ 0.07	+ 0.15	- 1.42	- 0.15
2414	+ 0.06	+ 0.15	+ 0.26	+ 1.57	- 0.46	- 0.61	+ 0.17	+ 0.26	- 1.79	- 0.70
4504	- 0.30	+ 0.07	+ 0.15	+ 1.33	- 1.09	+ 1.31	- 0.23	- 0.51	+ 0.63	+ 3.52
2422	+ 0.35	- 0.07	- 0.15	+ 0.58	+ 0.80	- 0.88	+ 0.21	+ 0.44	- 2.31	- 1.74
2415	- 0.49	+ 1.17	+ 1.93	- 0.27	- 1.07	+ 0.38	- 0.09	- 0.05	- 3.12	+ 1.73
4505	- 0.19	+ 0.33	+ 2.72	- 1.83	- 1.60	- 0.02	+ 0.05	+ 0.43	- 1.26	- 0.13
4506	+ 1.05	- 0.11	- 0.15	+ 0.40	+ 1.75	+ 0.16	- 0.02	- 0.02	- 4.54	+ 1.30
4507	+ 0.15	- 0.02	- 0.09	+ 3.19	- 0.26	+ 0.22	- 0.07	- 0.36	+ 1.23	+ 1.00
2417	+ 0.32	- 0.30	- 0.34	- 3.69	+ 2.56	- 1.23	+ 0.32	+ 0.46	+ 0.97	- 3.20
2416	- 0.26	+ 0.12	+ 0.20	- 5.35	+ 0.29	- 0.24	+ 0.03	+ 0.05	+ 7.21	- 2.47
4508	- 0.20	+ 0.52	+ 1.97	- 1.31	- 0.84	+ 1.65	- 0.88	- 2.48	+ 5.46	+ 4.55
2420	- 0.16	+ 0.34	+ 0.56	- 1.26	+ 0.05	- 0.33	+ 0.31	+ 0.48	+ 0.05	- 0.67
2421	+ 0.79	- 0.22	- 0.30	- 0.17	+ 1.47	+ 0.21	+ 0.03	+ 0.04	+ 2.86	- 0.39
4510	+ 0.10	- 0.40	- 0.72	- 3.84	+ 0.90	+ 1.48	- 0.76	- 1.12	+ 3.68	+ 1.99
4512	+ 0.70	- 0.41	- 0.53	+ 4.77	+ 0.26	- 2.16	+ 0.34	+ 0.46	- 6.50	- 2.13
4513	- 1.76	+ 0.73	+ 1.21	- 2.07	- 3.19	+ 0.90	- 0.30	- 0.50	+ 1.94	+ 1.39
2423	- 0.07	+ 0.03	+ 0.03	+ 0.68	- 0.38	- 1.02	+ 0.25	+ 0.50	- 2.53	- 1.90
4514	- 0.11	- 0.44	- 0.65	- 4.18	+ 0.19	+ 0.85	- 0.72	- 0.92	+ 2.59	+ 0.93
4515	+ 1.13	- 0.91	- 1.36	- 4.12	+ 2.73	+ 0.14	- 0.01	+ 0.00	+ 3.63	- 0.31
2425	+ 0.03	- 0.02	- 0.02	- 1.20	+ 0.27	- 0.85	+ 0.07	+ 0.15	-10.90	+ 1.93

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
2399	0.66	0.62	0.76	1.53	1.04	0.63	0.41	0.44	1.91	1.25	3.01	1.41	1.12	2.01	1.95	
2397	0.53	0.46	0.53	2.37	0.77	0.63	0.46	0.49	2.62	1.43	0.46	0.94	1.31	0.81	0.46	t
4484	0.72	0.91	1.10	3.12	0.80	0.77	0.63	0.70	3.52	0.90	1.28	2.48	2.65	1.32	0.75	t
4485	1.07	0.53	0.55	3.04	1.53	1.08	0.61	0.64	3.12	1.52	3.24	2.43	2.69	1.89	1.93	
4486	0.84	0.77	0.86	2.99	1.02	0.89	0.44	0.45	3.03	1.16	1.02	1.03		0.96	0.67	
4487	1.06	0.64	0.67	3.78	1.85	1.10	0.75	0.80	3.84	1.89	1.21	0.85	1.41	0.91	0.87	
4488	1.01	0.50	0.52	3.79	1.63	1.01	0.56	0.59	3.85	1.60	1.32	1.52	0.91	1.63	0.63	
4489	0.75	0.74	0.81	2.86	0.84	0.80	0.54	0.56	3.33	0.92	1.47	1.01	0.48	1.12	0.50	
2401	0.58	0.74	0.86	1.23	0.70	0.64	0.56	0.62	1.51	0.79	3.70	1.22	2.48	2.92	0.97	t 3005
4492	0.84	0.60	0.65	2.28	1.18	0.85	0.80	0.92	2.34	1.13	1.28	1.04	0.74	1.72	0.79	
2403	0.96	0.46	0.47	2.54	1.51	0.92	0.55	0.58	2.42	1.34	1.01	0.47	2.09	0.90	0.74	t
4493	0.92	0.53	0.56	3.57	1.53	0.92	0.57	0.60	3.55	1.49	0.97	1.69	1.36	0.79	0.62	
4494	1.01	0.71	0.76	2.78	1.36	0.95	0.79	0.87	2.74	1.21	1.82	0.81	1.46	2.13	1.40	
4495	0.92	0.48	0.49	2.46	1.04	0.82	0.68	0.70	2.43	0.89	4.90	8.23	9.11	1.22	4.16	t
2405	0.89	0.46	0.47	1.99	1.23	0.84	0.59	0.62	1.92	1.10	0.93	2.22	1.20	1.47	1.15	t
4496	0.89	0.63	0.68	2.77	1.31	0.94	0.72	0.80	2.74	1.41	1.88	1.67	2.49	1.11	1.53	
2402	0.61	0.63	0.67	1.20	0.68	0.88	0.53	0.55	1.73	1.14	1.22	1.61	1.68	1.34		t
2406	0.56	0.65	0.77	1.39	0.68	0.58	0.40	0.43	1.61	0.73	1.45	1.33	2.53	0.73	1.18	t 3006
2407	0.91	0.45	0.46	1.96	1.28	0.90	0.55	0.58	2.02	1.23	0.46	1.10	1.14	0.78	0.24	
4497	0.92	0.59	0.63	4.15	1.23	1.00	0.58	0.61	4.53	1.45	1.22	1.54		1.86	0.64	
4498	1.03	0.51	0.53	3.11	1.84	1.11	0.68	0.72	3.33	2.05	0.63	1.10		0.79	0.77	
2410	0.99	0.58	0.61	2.29	1.36	0.99	0.55	0.57	2.42	1.34	0.75	1.49	0.83	1.32	1.21	
4499	0.64	0.33	0.34	2.57	0.75	0.71	0.63	0.69	2.85	0.85	0.66	2.88	2.20	0.87	1.52	
4500	0.81	0.94	1.12	2.45	0.95	0.89	0.54	0.57	2.62	1.17	1.42	1.19		1.08	0.27	
2408	0.96	0.72	0.78	2.46	1.32	1.02	0.39	0.40	2.61	1.62	1.16	1.24	1.48	1.43	0.87	
2409	0.74	0.67	0.69	1.50	0.79	0.75	0.62	0.64	1.82	0.80	1.20	0.90	1.42	0.85	0.55	t
2411	1.03	0.50	0.52	3.14	1.49	1.18	0.74	0.79	3.51	1.91	0.59	0.45	1.93	0.53	0.64	
4502	1.08	0.91	1.04	3.03	1.62	0.97	0.64	0.68	2.62	1.50	2.22	1.86		0.48	0.57	
2404	0.72	0.42	0.44	1.62	0.95	0.98	0.57	0.60	2.83	1.46	1.54	1.92	1.90	1.41	1.12	t
2412	0.54	0.80	0.89	0.96	0.63	0.69	0.58	0.62	1.52	0.83	0.61	2.91	1.64	1.66	0.30	
4503	0.73	0.55	0.60	2.70	0.94	0.79	0.65	0.72	3.10	1.03	0.24	0.50		0.39	0.67	
2414	0.79	0.84	0.96	1.76	0.95	0.87	0.50	0.53	2.21	1.12	1.15	0.88	1.40	1.11	0.76	t 3007
4504	0.98	0.66	0.71	3.01	1.42	1.01	0.56	0.58	3.22	1.53	2.59	0.52		1.09	2.48	t
2422	0.82	0.45	0.47	2.19	1.24	0.82	0.49	0.52	2.32	1.22	1.20	1.79	0.39	0.23	0.34	t
2415	0.64	0.87	1.03	1.27	0.78	0.65	0.48	0.51	1.41	0.81	2.39	3.13	2.57	3.02	2.71	t 3008
4505	0.87	0.92	1.37	3.23	1.13	0.78	0.72	0.87	3.33	1.21	2.44	1.38		0.33	1.00	
4506	1.33	0.48	0.49	3.66	1.68	1.35	0.59	0.60	3.68	1.72	1.22	1.32	1.77	1.48	1.22	
4507	0.92	0.54	0.56	3.26	1.99	1.03	0.83	0.93	3.22	1.86	1.10	0.66	2.02	0.91	1.09	
2417	0.87	0.88	0.97	1.66	1.10	0.98	0.64	0.68	1.92	1.37	1.79	3.31	1.62	3.61	0.86	t
2416	0.71	0.56	0.60	2.30	0.81	0.96	0.37	0.38	2.91	1.45	3.38	1.68	1.11	3.77	1.34	
4508	0.91	1.01	1.34	3.22	1.13	0.90	0.74	0.84	3.33	1.27	4.80	2.49		0.29	2.79	
2420	0.55	0.67	0.77	1.21	0.66	0.62	0.54	0.59	1.51	0.76	1.28	1.25	0.71	1.04	1.34	t
2421	1.20	0.65	0.67	3.24	1.45	1.39	0.52	0.53	3.71	1.90	0.75	1.12	0.63	0.91	0.19	t
4510	0.99	1.12	1.30	2.98	1.16	0.97	0.72	0.76	3.12	1.16	2.37	1.79		1.57	2.17	
4512	0.81	0.65	0.68	2.29	0.92	0.95	0.42	0.43	2.52	1.17	3.51	2.19	1.11	2.41	0.32	
4513	1.25	0.87	0.92	3.52	1.62	1.24	0.76	0.79	3.52	1.62	2.57	1.13		0.32	2.70	
2423	0.74	0.77	0.90	1.69	0.94	0.86	0.52	0.55	2.31	1.26	1.32	1.79	0.21	0.60	1.43	t 3009
4514	0.73	1.01	1.11	3.04	0.74	0.82	0.75	0.81	3.12	0.87	1.58	1.56	1.01	1.49	0.52	t
4515	0.97	0.87	0.94	2.84	1.15	0.92	0.61	0.63	2.92	1.06	2.77	1.52		2.57	1.00	
2425	0.92	0.72	0.78	2.84	1.10	1.14	0.46	0.47	2.91	1.81	3.77	0.97	1.02	3.78	1.11	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4516	26786	FX		5 41 22.601700	+ 17 31 19.82543	- 2.74	- 7.08
4518	26817	FX		5 41 38.949386	- 56 26 16.98286	+ 35.19	+ 22.43
4519	26819	FX		5 41 39.625544	- 44 55 36.41793	+ 1.13	- 2.81
2429	26823	RS		5 41 42.776390	- 67 24 9.94233	+ 3.62	+ 8.30
4521	26852	FX		5 42 2.608416	+ 27 46 14.52825	- 0.57	- 0.54
2428	26862	BX		5 42 11.579803	- 30 32 7.60100	- 4.72	+ 7.12
2426	26882	RS		5 42 26.447916	+ 65 41 51.53656	- 0.28	- 21.54
2427	26885	BX	51 Ori	5 42 28.630916	+ 1 28 28.66497	- 57.36	- 14.75
4522	26893	FX		5 42 32.915915	- 0 0 57.97041	+ 1.60	- 17.39
4523	26932	FX		5 42 58.707165	- 84 54 3.63194	- 2.21	+ 0.80
4524	26941	FX		5 43 1.115098	- 11 49 27.55958	+ 21.64	+ 24.09
4525	26959	FX		5 43 14.515401	- 33 25 29.91151	- 1.43	+ 4.00
2430	26981	BX		5 43 30.185745	- 39 24 24.87032	+ 48.47	+ 3.69
4526	26995	FX		5 43 37.458550	- 68 4 52.64622	- 12.04	+ 38.07
4527	27015	FX		5 43 48.881228	+ 85 40 6.07667	- 10.50	+ 10.80
4528	27075	FX		5 44 28.395250	- 20 7 35.66540	- 17.54	+ 36.79
4529	27211	FX		5 46 2.629898	+ 5 6 2.51492	+ 2.10	- 18.59
4530	27213	FX		5 46 3.226365	+ 65 36 50.76649	+ 23.45	- 34.17
2431	27319	BX		5 47 14.685987	+ 42 31 36.28788	+ 7.78	- 87.28
2441	27369	RS	λ Men	5 47 48.133680	- 72 42 8.10136	- 6.82	+ 24.37
4532	27462	FX		5 48 55.576717	- 46 18 56.20128	+ 2.20	+ 21.33
4533	27469	FX		5 49 3.060113	+ 54 1 57.04433	- 3.31	- 2.26
2439	27560	RS		5 50 13.065062	+ 4 25 24.26121	+ 8.11	- 38.31
2451	27566	BX	κ Men	5 50 16.785323	- 79 21 40.90509	- 4.43	+ 65.99
2440	27639	RS	ν Aur	5 51 2.436862	+ 37 18 20.05887	+ 36.29	- 45.16
2442	27658	BX	55 Ori	5 51 21.983632	- 7 31 4.81228	+ 0.44	- 0.38
2445	27712	RS		5 52 7.686867	- 25 56 35.65245	+ 196.69	+ 42.00
2436	27730	RS		5 52 17.294591	+ 71 17 21.91091	+ 0.01	+ 5.28
2443	27778	RS		5 52 40.092278	+ 33 55 2.86395	+ 17.12	+ 8.59
2438	27795	RS		5 52 55.493870	+ 68 28 17.55253	+ 3.85	- 44.73
4535	27857	FX		5 53 36.597497	+ 36 7 49.84053	- 3.52	- 2.90
4536	27877	FX		5 53 58.375506	+ 21 50 10.66774	- 0.31	- 2.88
4537	27919	FX		5 54 28.728805	+ 8 3 15.63021	+ 5.23	- 6.16
4538	27935	FX		5 54 39.158885	- 26 39 36.99585	- 19.88	+ 41.77
4539	27936	FX		5 54 40.805873	- 3 28 56.31809	+ 22.45	+ 28.84
2450	27937	RS		5 54 41.118827	- 49 37 37.23039	- 5.35	+ 14.32
2449	27955	RS		5 54 52.484030	- 39 57 28.28474	- 13.05	+ 21.66
4541	28054	FX		5 55 56.600574	+ 41 19 23.94537	- 24.93	- 24.66
4542	28078	FX		5 56 7.892624	+ 63 16 54.20715	+ 6.12	- 40.94
2454	28098	BX	σ Col	5 56 20.943670	- 31 22 56.78324	+ 1.24	+ 6.20
2453	28139	BX		5 56 49.450012	+ 11 31 15.80655	+ 105.02	- 56.93
2448	28205	BX		5 57 35.019183	+ 66 5 45.95912	+ 48.73	- 11.97
4543	28307	FX		5 58 54.786414	+ 18 49 12.59669	+ 4.27	- 18.30
4544	28356	FX		5 59 29.923554	+ 2 28 34.17455	+ 15.01	+ 11.52
4545	28372	FX		5 59 38.781439	- 35 21 9.33365	- 27.08	+ 44.18
4546	28389	FX		5 59 47.889274	- 39 14 7.44080	+ 4.78	- 19.14
2457	28413	RS		6 0 3.350572	- 3 4 27.31948	+ 8.86	- 73.50
2456	28447	RS		6 0 24.281388	+ 16 17 56.24330	+ 2.57	- 9.20
2462	28464	BX		6 0 35.736456	- 58 6 7.51793	+ 8.79	+ 26.95
2460	28520	BX		6 1 13.097514	- 25 25 3.94320	- 11.90	- 20.41

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4516	91.50	0.96	0.80	91.46	0.68	0.67	.76	1.08	H		6.97	2	23	2	
4518	91.00	0.58	0.66	91.22	0.61	0.68	4.73	0.64	H		7.78		11	1	3
4519	91.43	0.61	0.57	91.44	0.65	0.64	1.73	0.73	H		8.04		31		
2429	91.36	0.53	0.55	91.43	0.53	0.69	3.76	0.55	H	+ 26.4	7.04		19	1	1
4521	91.07	1.05	0.85	90.88	0.66	0.72	-.24	1.19	H		8.26		31		
2428	91.13	0.41	0.41	91.19	0.42	0.41	5.76	0.55	H	+ 27.3	6.18		21	2	
2426	91.36	0.47	0.41	91.27	0.44	0.45	11.70	0.65	H	- 19.1	5.62		29	2	
2427	91.26	0.72	0.48	91.38	0.50	0.51	10.80	0.81	H	+ 86.8	4.90		39		
4522	91.42	1.01	0.69	91.70	0.59	0.58	3.12	1.07	H		6.85		31		
4523	91.35	0.57	0.61	91.07	0.54	0.61	5.15	0.63	H		7.93		31		
4524	91.15	0.77	0.65	91.10	0.66	0.58	5.87	1.08	H		8.72		31		
4525	91.24	0.43	0.44	91.19	0.48	0.50	1.89	0.60	H		6.83	2	13		
2430	91.18	0.45	0.45	91.28	0.47	0.49	18.73	0.55	H	+ 13.4	6.25		11	1	3
4526	91.64	0.60	0.64	91.63	0.55	0.65	4.62	0.61	H	+ 7.0	7.49		11	1	3
4527	91.41	0.44	0.42	91.19	0.49	0.50	6.90	0.56	H	- 14.	6.69		31		
4528	91.39	0.45	0.55	91.36	0.47	0.45	39.15	0.74	H	+ 37.8	6.34		19	1	1
4529	91.58	1.13	0.70	91.92	0.80	0.65	7.77	1.59	H		8.60		11	1	3
4530	91.20	0.78	0.69	91.27	0.81	0.74	8.95	1.19	H		8.89		11	1	3
2431	91.04	0.68	0.53	90.98	0.47	0.46	4.53	0.85	H	- 20.0	6.30		35		
2441	91.33	0.53	0.52	91.52	0.44	0.62	8.45	0.58	H	+ 14.5	6.54		11	1	3
4532	91.05	0.54	0.59	91.25	0.52	0.52	7.30	0.59	H		7.53	2	31		
4533	90.87	0.97	0.74	91.05	0.70	0.59	2.57	1.10	H		8.47	2	17		
2439	91.41	0.75	0.67	91.45	0.50	0.55	6.43	0.82	H	+ 28.3	5.96		31		
2451	91.31	0.43	0.42	91.20	0.42	0.49	12.06	0.46	H	+ 9.1	5.46		11	1	3
2440	90.97	0.68	0.54	90.80	0.42	0.46	6.86	0.77	H	+ 37.7	4.72	1	13		
2442	91.39	0.64	0.52	91.49	0.48	0.51	2.90	0.40	P	+ 12.3	5.36		19	1	1
2445	91.23	0.43	0.50	91.21	0.51	0.59	6.96	0.78	H		6.86		11	1	3
2436	91.23	0.37	0.40	91.35	0.53	0.61	3.68	0.74	H		7.11		21	2	
2443	91.11	1.06	0.88	91.29	0.69	0.76	1.87	0.43	P	+ 99.9	6.04		11	1	3
2438	91.01	0.40	0.49	91.30	0.46	0.55	7.86	0.71	H	- 1.1	6.22		31		
4535	91.18	0.89	0.75	91.01	0.55	0.54	.61	0.99	H	+ 2.	7.38		11	1	3
4536	91.42	1.13	0.87	91.87	0.51	0.58	2.61	1.35	H		8.68		11	1	3
4537	91.23	0.87	0.79	91.47	0.57	0.65	4.06	0.98	H		7.15		11	1	3
4538	91.33	0.44	0.54	91.22	0.50	0.53	9.58	0.73	H	+ 11.8	6.85		31		
4539	91.44	1.00	0.82	91.53	0.72	0.77	14.97	1.17	H		8.12		11	1	3
2450	91.33	0.49	0.56	91.14	0.44	0.54	2.96	0.51	H	+ 12.2	6.11		31		
2449	91.16	0.44	0.46	91.28	0.45	0.47	6.41	0.53	H	+114.3	5.55	1	18		
4541	91.06	0.71	0.55	91.10	0.44	0.39	8.52	0.83	H	- 4.	6.64	1	31		
4542	91.29	0.57	0.59	91.44	0.50	0.53	8.16	0.87	H		7.73		11	1	3
2454	91.18	0.39	0.42	91.14	0.43	0.45	2.23	0.56	H	+ 19.4	5.52		31		
2453	91.26	0.80	0.50	91.61	0.46	0.45	10.62	0.89	H	+ 21.0	5.89		11	1	3
2448	91.30	0.41	0.44	91.54	0.44	0.50	7.64	0.69	H	- 22.2	6.24		11	1	3
4543	91.22	0.85	0.62	91.50	0.49	0.47	3.20	0.94	H	- 34.	7.06		11	1	3
4544	91.28	0.85	0.60	91.45	0.61	0.57	14.87	0.98	H	+ 45.	7.78		35		
4545	91.18	0.45	0.47	91.06	0.51	0.54	4.18	0.61	H		6.78		11	1	3
4546	91.09	0.56	0.56	91.14	0.65	0.61	2.46	0.73	H		8.35		11	1	3
2457	91.29	0.68	0.52	91.36	0.50	0.52	7.77	0.82	H	+ 24.7	4.53		21	2	
2456	91.20	0.87	0.66	91.55	0.45	0.48	2.98	0.98	H		6.54		31		
2462	91.15	0.46	0.43	91.12	0.51	0.50	9.87	0.50	H	+ 23.5	6.97		11	1	3
2460	91.26	0.35	0.36	91.34	0.45	0.43	8.99	0.62	H	+ 12.	6.04		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
No.	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4516	+ 0.17	+ 0.00	+ 1.19	+ 4.90	- 0.09	- 0.46	+ 0.34	+ 2.57	- 5.10	- 2.62
4518	+ 0.95	- 0.16	- 0.45	+ 2.18	+ 2.88	+ 0.15	- 0.05	- 0.13	- 2.82	+ 1.67
4519	- 0.01	+ 0.01	+ 0.03	+ 3.40	- 1.00	- 0.19	+ 0.12	+ 0.41	- 6.91	+ 0.51
2429	- 0.01	+ 0.01	+ 0.03	- 5.28	+ 1.98	+ 0.35	- 0.06	- 0.20	+ 0.12	+ 2.04
4521	+ 0.00	+ 0.01	- 0.83	+ 1.95	+ 0.22	+ 0.00	+ 0.00	- 0.12	- 7.43	+ 1.03
2428	+ 1.84	- 0.73	- 1.02	+ 4.19	+ 2.00	- 1.74	+ 0.68	+ 0.96	+ 1.23	- 3.78
2426	- 0.22	+ 0.00	+ 0.01	- 4.74	+ 1.03	- 0.19	+ 0.05	+ 0.06	+ 3.17	- 1.14
2427	- 0.69	+ 1.61	+ 2.02	- 0.26	- 1.09	+ 0.24	- 0.08	- 0.10	- 0.26	+ 0.44
4522	- 0.11	+ 0.41	+ 1.20	+ 4.01	- 1.23	+ 0.84	- 0.38	- 1.01	+ 3.35	+ 1.84
4523	- 1.14	+ 0.09	+ 0.27	-13.49	- 1.16	- 1.22	+ 0.10	+ 0.30	- 2.78	- 4.16
4524	+ 0.41	- 0.15	- 0.29	- 1.80	+ 1.31	- 1.04	+ 0.23	+ 0.45	- 8.07	- 0.89
4525	+ 0.23	- 0.02	- 0.09	+ 0.60	+ 0.96	- 0.14	+ 0.02	+ 0.08	+ 4.27	- 2.05
2430	+ 0.02	- 0.03	- 0.04	- 0.52	+ 0.32	- 0.52	+ 0.17	+ 0.21	- 3.25	+ 0.59
4526	- 0.17	+ 0.12	+ 0.29	- 2.10	+ 0.10	+ 0.70	- 0.24	- 0.54	+ 0.81	+ 1.86
4527	+ 0.00	- 0.02	- 0.02	- 6.91	+ 0.73	- 0.81	+ 0.42	+ 0.59	+ 0.04	- 1.27
4528	+ 1.34	- 0.60	- 0.70	+ 4.38	+ 1.00	- 0.55	+ 0.23	+ 0.26	- 1.57	- 0.48
4529	+ 0.01	+ 0.18	+ 0.41	+ 2.49	- 0.38	- 0.32	+ 0.54	+ 0.90	- 4.85	+ 0.03
4530	- 0.75	+ 0.33	+ 0.55	- 6.50	- 0.41	+ 1.49	- 0.69	- 1.19	+ 3.78	+ 2.42
2431	+ 0.48	- 0.54	- 0.85	+ 0.66	+ 0.86	- 1.38	+ 0.43	+ 0.69	- 1.39	- 2.51
2441	- 0.15	+ 0.01	+ 0.02	- 1.70	+ 0.14	- 0.42	+ 0.05	+ 0.11	- 0.96	- 0.96
4532	+ 0.13	- 0.03	- 0.06	- 5.99	+ 2.64	- 0.07	+ 0.02	+ 0.04	+ 2.35	- 0.79
4533	- 0.25	- 0.10	- 0.69	+ 1.66	- 0.63	+ 0.86	- 0.39	- 1.13	+ 5.09	+ 1.76
2439	+ 0.37	- 0.15	- 0.25	- 3.18	+ 1.60	- 0.33	+ 0.01	+ 0.03	+ 0.25	- 0.95
2451	+ 0.42	- 0.05	- 0.07	+ 2.35	- 0.22	+ 0.24	- 0.03	- 0.04	- 0.29	+ 0.56
2440	- 0.25	+ 0.45	+ 0.67	- 0.78	- 0.31	- 1.27	+ 0.25	+ 0.40	- 1.67	- 2.25
2442	- 0.24	+ 0.16	+ 0.31	- 0.39	- 0.50	- 0.35	+ 0.09	+ 0.20	+ 2.79	- 1.76
2445	+ 0.60	- 0.11	- 0.19	+ 1.61	+ 0.85	- 0.15	+ 0.04	+ 0.07	+ 2.30	- 1.22
2436	- 2.59	+ 0.57	+ 0.97	-11.70	- 1.66	+ 0.26	+ 0.08	+ 0.12	+ 8.79	- 2.08
2443	- 0.12	+ 0.24	+ 1.09	+ 3.40	- 1.51	- 0.02	- 0.02	- 0.09	- 0.86	+ 0.17
2438	+ 0.93	- 0.35	- 0.49	+ 2.78	+ 0.69	+ 1.31	- 0.20	- 0.37	- 6.28	+ 5.51
4535	- 0.04	+ 0.04	+ 0.37	- 2.12	- 0.23	- 0.07	+ 0.01	+ 0.13	+ 0.13	- 0.67
4536	- 0.24	+ 0.68	+ 3.08	- 2.13	- 0.98	- 0.17	+ 0.17	+ 0.61	- 4.04	+ 0.06
4537	- 0.33	+ 0.31	+ 0.75	- 2.63	- 0.62	- 0.49	+ 0.09	+ 0.20	+ 1.38	- 1.54
4538	- 1.31	+ 0.14	+ 0.26	- 3.38	- 1.91	- 0.63	+ 0.06	+ 0.10	- 8.83	+ 1.40
4539	- 0.43	+ 0.57	+ 0.88	+ 0.64	- 1.01	+ 0.06	- 0.14	- 0.24	+ 3.04	- 0.65
2450	- 0.21	+ 0.02	+ 0.12	- 8.66	+ 0.78	+ 1.25	- 0.13	- 0.50	+ 4.47	+ 5.17
2449	- 1.18	+ 0.20	+ 0.34	- 2.95	- 1.62	+ 0.03	- 0.05	- 0.08	- 2.56	+ 1.06
4541	+ 0.06	- 0.08	- 0.11	- 0.75	+ 0.22	- 0.05	+ 0.02	+ 0.02	+ 5.41	- 0.73
4542	+ 0.54	- 0.24	- 0.37	- 4.42	+ 1.34	- 0.56	+ 0.13	+ 0.21	- 2.09	- 0.81
2454	- 0.25	+ 0.06	+ 0.15	- 4.78	+ 1.22	+ 0.38	- 0.11	- 0.26	+ 1.50	+ 0.65
2453	- 0.32	+ 0.74	+ 0.94	+ 0.87	- 0.99	- 0.05	+ 0.17	+ 0.22	+ 0.44	- 0.26
2448	- 0.74	+ 0.24	+ 0.32	+ 0.19	- 1.54	+ 0.68	- 0.09	- 0.16	- 3.43	+ 2.68
4543	- 0.20	+ 0.20	+ 0.43	- 1.27	- 0.32	+ 0.19	- 0.04	- 0.06	- 1.68	+ 0.55
4544	+ 0.59	- 0.49	- 0.64	+ 5.76	- 0.02	+ 0.38	- 0.16	- 0.21	- 2.90	+ 1.35
4545	+ 0.63	- 0.08	- 0.18	+ 3.07	+ 0.96	- 1.07	+ 0.17	+ 0.41	- 3.78	- 2.25
4546	- 0.05	+ 0.00	- 0.01	+ 2.88	- 1.03	- 0.46	+ 0.12	+ 0.39	- 3.75	- 0.89
2457	+ 1.22	- 1.49	- 1.99	+ 4.18	+ 1.10	- 2.38	+ 0.51	+ 0.79	- 2.52	- 4.10
2456	- 0.53	+ 0.50	+ 1.20	+ 0.58	- 1.86	- 0.76	+ 0.22	+ 0.52	- 2.34	- 1.73
2462	+ 1.39	- 0.20	- 0.28	+ 4.27	+ 1.02	+ 0.40	- 0.04	- 0.05	+ 0.21	+ 0.69
2460	+ 0.61	- 0.19	- 0.23	+ 1.96	+ 0.25	+ 0.72	- 0.23	- 0.29	+ 2.71	+ 0.37

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
4516	0.82	0.89	1.59	2.47	1.05	0.73	0.72	1.06	2.72	1.08	3.48	3.07		2.04	1.10	t
4518	1.16	0.68	0.71	3.28	2.05	1.18	0.70	0.74	3.43	2.06	1.10	1.73	0.65	1.14	0.96	
4519	0.80	0.59	0.65	2.60	1.35	0.78	0.70	0.82	2.64	1.14	2.94	0.69	1.47	2.99	0.43	
2429	1.11	0.56	0.58	3.55	2.17	1.17	0.70	0.74	3.31	2.43	1.48	1.25	0.81	1.81	0.68	t
4521	0.85	0.85	1.62	3.08	1.08	0.72	0.72	1.00	3.02	1.31	2.50	0.79	2.07	2.62	0.80	
2428	0.74	0.45	0.47	1.58	0.94	0.76	0.45	0.47	1.71	0.97	3.16	5.15	2.59	2.81	1.94	
2426	0.68	0.52	0.53	1.54	0.73	0.98	0.48	0.49	2.42	1.19	3.18	1.47	1.54	3.76	1.74	t
2427	0.64	0.79	0.85	1.53	0.64	0.86	0.60	0.62	2.21	1.00	1.30	2.97	0.66	0.58	0.80	t
4522	0.80	0.86	1.07	2.45	1.00	0.88	0.64	0.72	2.82	1.27	2.38	1.87		2.04	2.62	
4523	1.24	0.62	0.64	4.61	2.21	1.26	0.62	0.64	4.58	2.29	3.03	1.98	0.36	2.43	0.99	
4524	1.04	0.70	0.75	3.26	1.40	1.07	0.61	0.64	3.42	1.51	1.30	2.49		2.11	1.24	
4525	0.82	0.44	0.46	2.79	1.65	0.85	0.51	0.53	3.03	1.67	1.39	1.36	1.25	1.83	1.23	t
2430	0.96	0.50	0.51	1.77	1.18	0.90	0.56	0.57	1.72	1.11	1.93	0.42	0.45	1.92	1.28	
4526	1.06	0.67	0.72	2.81	1.67	1.02	0.69	0.75	2.57	1.56	0.96	1.39	0.84	0.76	0.67	
4527	0.75	0.47	0.49	2.69	0.85	0.78	0.58	0.61	2.95	0.90	2.53	1.88	1.84	2.75	0.99	
4528	0.97	0.64	0.66	2.45	1.08	0.83	0.52	0.53	2.42	0.88	2.13	1.53	1.29	1.33	0.49	t
4529	0.77	1.19	1.52	2.29	0.84	0.78	0.96	1.11	2.52	0.87	0.72	2.25		2.17	0.51	
4530	1.08	0.78	0.83	3.39	1.35	1.11	0.83	0.89	3.84	1.39	2.27	2.38		1.70	0.89	
2431	0.67	0.68	0.76	1.27	0.90	0.80	0.50	0.52	2.02	1.07	1.43	3.06	0.38	0.51	0.40	t
2441	1.30	0.53	0.54	3.69	1.99	1.38	0.63	0.65	3.91	2.23	0.54	0.46	0.89	0.44	0.52	
4532	1.13	0.62	0.65	2.73	1.68	1.03	0.55	0.57	2.74	1.40	2.26	1.58	1.25	2.88	0.81	
4533	0.82	0.93	1.32	2.87	1.00	0.80	0.68	0.85	3.24	1.08	1.96	2.21	0.87	1.23	0.81	t
2439	1.06	0.74	0.79	3.01	1.40	1.16	0.58	0.60	3.21	1.77	0.95	1.29	2.57	1.48	0.31	
2451	1.02	0.45	0.46	2.10	1.34	1.07	0.53	0.54	2.33	1.40	1.13	0.41	0.99	1.08	1.38	
2440	0.69	0.78	0.86	1.71	0.76	0.99	0.49	0.50	2.41	1.39	1.13	1.96	1.03	0.33	2.27	t
2442	0.71	0.61	0.68	1.81	0.93	0.84	0.54	0.57	2.51	1.26	1.07	1.59	1.11	1.62	0.33	t
2445	1.04	0.53	0.55	2.72	1.43	1.15	0.62	0.65	2.91	1.72	0.99	0.97	0.87	1.07	1.19	
2436	0.76	0.42	0.44	1.79	1.08	1.02	0.63	0.67	3.02	1.67	7.44	2.54	0.96	5.74	1.38	
2443	0.95	1.01	1.39	2.88	1.25	0.98	0.79	0.88	3.41	1.78	0.75	1.39	1.77	1.59	1.06	
2438	0.86	0.55	0.57	1.76	1.12	1.23	0.56	0.58	3.32	1.87	2.49	3.15	1.91	3.26	1.39	
4535	0.79	0.78	1.04	3.54	1.13	0.66	0.55	0.60	3.72	1.30	0.67	0.69	1.10	0.55	0.75	
4536	0.91	1.09	1.65	2.82	1.10	0.78	0.65	0.74	2.72	1.05	2.06	2.26		1.46	1.49	
4537	0.94	0.95	1.15	3.59	1.16	1.02	0.68	0.74	3.92	1.49	1.39	0.94		0.88	0.72	
4538	1.27	0.56	0.57	2.98	1.93	1.22	0.55	0.57	3.12	1.75	3.07	1.28	1.53	2.89	1.47	
4539	1.03	1.11	1.24	2.45	1.23	1.11	0.94	1.01	2.72	1.36	1.14	1.13		1.35	0.71	
2450	1.05	0.57	0.59	4.49	2.05	1.03	0.55	0.57	4.21	2.03	2.26	2.71	1.14	1.92	0.50	
2449	0.99	0.49	0.50	2.32	1.42	1.04	0.49	0.51	2.51	1.52	1.69	1.47	2.02	1.33	0.96	t
4541	0.70	0.76	0.82	2.00	0.79	0.71	0.45	0.46	2.34	0.80	2.28	0.87	1.42	2.53	0.67	
4542	0.97	0.66	0.70	3.82	1.15	1.09	0.56	0.58	4.03	1.40	1.43	1.19		1.47	1.10	
2454	0.73	0.44	0.46	1.82	1.18	0.72	0.48	0.51	1.91	1.09	2.77	1.15	2.36	2.79	1.22	
2453	0.63	0.79	0.86	1.21	0.73	0.72	0.56	0.58	1.51	0.84	0.15	1.73	0.76	1.38	0.99	
2448	0.83	0.49	0.51	1.69	1.07	1.13	0.53	0.54	2.91	1.61	1.11	2.31	0.41	2.03	0.69	
4543	0.75	0.76	0.90	2.45	0.92	0.75	0.51	0.55	3.02	0.97	0.83	0.83	1.09	0.79	1.09	
4544	0.85	0.78	0.82	2.45	0.93	1.07	0.63	0.65	2.72	1.31	1.17	2.66		2.62	0.78	t
4545	1.02	0.48	0.50	2.85	1.75	1.03	0.56	0.58	2.93	1.70	1.80	1.61	2.22	0.78	0.78	
4546	0.93	0.58	0.61	3.18	1.68	0.89	0.64	0.69	3.03	1.44	1.60	1.00	1.17	1.38	0.69	
2457	0.69	0.72	0.78	1.69	0.75	1.00	0.56	0.58	2.41	1.35	3.59	4.44	2.55	1.76	2.36	
2456	0.83	0.75	0.87	2.32	1.11	0.85	0.50	0.53	2.51	1.32	1.14	2.62	0.79	0.97	1.90	
2462	1.02	0.45	0.46	2.18	1.36	1.04	0.53	0.55	2.42	1.35	2.04	1.05	1.51	1.27	0.46	
2460	0.69	0.41	0.42	1.39	0.83	0.80	0.49	0.50	1.81	0.97	2.20	0.80	0.44	1.55	0.83	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4548	28553	FX		6 1 39.223 646	- 15 35 21.434 53	- 2.60	- 14.13
2458	28562	RS		6 1 43.058 717	+ 48 57 34.003 02	+ 6.77	- 9.81
4549	28607	FX		6 2 16.310 877	+ 66 53 58.883 48	- 1.57	- 9.89
4550	28636	FX		6 2 48.242 610	- 53 34 57.902 45	+ 0.56	+ 8.29
4551	28656	FX		6 3 4.316 609	+ 57 1 5.926 46	+ 9.92	- 46.08
4552	28700	FX		6 3 40.022 900	+ 10 7 46.800 55	- 7.48	- 16.03
4553	28748	FX		6 4 16.231 416	+ 28 18 3.372 44	- 2.30	- 1.36
2459	28831	BX		6 5 9.345 853	+ 75 35 9.306 48	+ 10.91	- 10.25
4554	28849	FX		6 5 23.885 839	- 81 59 26.427 08	+ 5.18	+ 24.77
4555	28867	FX		6 5 41.361 350	- 31 23 28.449 70	+ 1.73	+ 6.91
2466	28910	BX	ϑ Lep	6 6 9.323 861	- 14 56 6.914 79	- 16.81	+ 13.24
4556	28969	FX		6 6 48.659 960	+ 23 38 18.967 06	- 0.07	- 1.88
4558	28973	FX		6 6 51.891 076	- 11 10 24.940 12	- 2.16	+ 0.86
4559	28981	FX		6 6 56.255 893	- 3 20 28.223 76	- 7.00	+ 3.21
2469	28991	BX		6 7 3.389 063	- 62 9 16.490 00	+ 21.02	- 69.65
2468	29034	BX	ϑ Col	6 7 31.632 772	- 37 15 10.515 07	+ 0.90	+ 0.12
3977	29076	RS		6 8 1.078 337	- 82 2 37.240 83	- 8.54	+ 29.59
4560	29137	FX		6 8 46.972 143	+ 82 27 30.378 67	- 3.70	- 6.40
4561	29157	FX		6 9 2.105 936	- 65 5 11.004 50	+ 9.44	+ 9.73
4562	29174	FX		6 9 15.193 427	- 13 13 14.865 01	- 4.25	- 3.44
2476	29284	RS		6 10 26.489 280	- 77 6 20.117 95	- 9.21	+ 18.32
2472	29304	RS		6 10 39.927 960	- 45 16 55.158 65	- 1.00	+ 7.53
4563	29314	FX		6 10 52.890 101	- 61 29 59.316 65	+ 14.53	+ 34.26
2473	29353	RS	η^2 Dor	6 11 14.982 041	- 65 35 21.900 08	- 23.39	+ 118.65
4564	29355	FX		6 11 15.396 729	- 44 54 51.595 55	- 4.25	+ 0.02
4565	29448	FX		6 12 17.149 874	+ 45 2 51.885 63	+ 19.49	- 12.80
2470	29451	BX		6 12 20.124 123	+ 32 41 36.170 23	- 8.46	- 3.60
4566	29493	FX		6 12 54.086 988	+ 13 8 40.627 29	- 18.62	+ 4.25
4567	29567	FX		6 13 44.659 458	- 18 45 26.752 82	+ 2.83	+ 1.26
2482	29660	RS		6 14 54.766 761	- 71 39 21.634 66	- 6.03	+ 8.31
2477	29716	RS		6 15 34.265 255	- 0 30 43.884 11	- 157.75	- 218.60
2478	29739	RS		6 15 47.013 763	+ 4 17 1.091 57	- 3.95	- 3.98
4568	29780	FX		6 16 13.867 309	+ 5 6 50.967 50	- 4.16	- 5.68
2479	29919	BX	1 Lyn	6 17 54.820 688	+ 61 30 55.031 32	- 9.23	- 2.36
4570	29942	FX		6 18 14.105 219	- 72 7 55.957 19	- 1.44	+ 26.89
4571	29946	FX		6 18 16.083 818	- 48 41 56.259 08	+ 3.31	+ 7.74
4572	29971	FX		6 18 33.563 213	- 7 50 26.168 92	- 5.88	+ 2.85
4573	30002	FX		6 18 53.863 575	+ 35 12 28.606 37	+ 4.52	- 38.32
4574	30036	FX		6 19 14.117 325	+ 29 55 32.089 31	+ 5.49	- 4.50
2486	30104	BX		6 20 6.135 204	- 48 44 27.933 07	+ 234.50	- 267.07
4575	30229	FX		6 21 35.674 036	+ 19 53 31.393 54	+ 0.79	- 4.06
4576	30248	FX		6 21 47.042 228	+ 2 20 32.791 38	+ 0.55	- 7.18
2485	30267	BX		6 22 1.301 647	+ 44 3 30.654 95	+ 5.83	- 21.71
4577	30332	FX		6 22 49.621 429	- 0 49 59.137 29	- 2.41	- 2.03
4578	30430	FX		6 23 53.624 044	- 4 43 43.876 10	- 0.18	- 11.70
2490	30436	RS		6 23 55.916 143	- 25 34 39.463 49	+ 3.53	- 40.66
4579	30451	FX		6 24 3.639 620	- 39 42 10.068 56	+ 1.75	- 0.38
4580	30481	FX		6 24 26.818 010	+ 66 30 47.903 09	- 30.57	- 89.49
2487	30497	RS		6 24 38.967 973	+ 35 15 18.115 95	+ 14.43	- 28.56
2492	30505	BX		6 24 44.496 603	- 40 17 2.323 97	- 2.81	- 3.48

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4548	91.08	0.53	0.59	91.12	0.50	0.53	2.77	0.73	H		6.66		11	1	3
2458	91.13	0.62	0.63	91.27	0.40	0.41	4.75	0.75	H	+ 11.2	5.98		31		
4549	91.29	0.49	0.50	91.41	0.54	0.53	1.69	0.80	H		7.03	1	11	1	3
4550	91.12	0.52	0.54	91.05	0.51	0.62	4.28	0.56	H		7.08		31		
4551	91.20	0.66	0.58	91.25	0.50	0.51	5.77	0.80	H		6.50	1	11	1	3
4552	91.41	1.20	1.05	91.72	0.80	0.85	1.31	1.48	H		8.81		11	1	3
4553	91.13	1.17	0.66	91.72	0.53	0.51	1.00	1.31	H	+ 14.	8.09		11	1	3
2459	91.26	0.40	0.39	91.49	0.45	0.43	4.53	0.60	H	+ 3.7	6.28	1	15	1	3
4554	91.27	0.59	0.60	91.33	0.64	0.78	4.75	0.68	H		8.29		31		
4555	91.31	0.62	0.67	91.58	0.82	0.94	2.87	0.66	P		8.75		11	1	3
2466	91.15	0.48	0.46	91.11	0.39	0.37	19.14	0.70	H	+ 32.	4.67		19	1	1
4556	91.45	1.07	0.57	91.90	0.54	0.56	3.76	1.16	H	- 16.5	6.67		19	1	1
4558	91.34	0.49	0.64	91.30	0.41	0.56	2.70	0.37	P	+ 12.9	6.66	1	21	2	
4559	91.40	0.70	0.53	91.62	0.56	0.50	1.32	0.83	H	+ 19.3	6.92		31		
2469	91.12	0.45	0.44	91.39	0.34	0.45	8.28	0.46	H	+ 21.6	5.04		31		
2468	91.18	0.44	0.43	91.14	0.44	0.43	4.28	0.54	H	+ 44.9	5.00		11	1	3
3977	91.24	0.49	0.51	91.41	0.50	0.59	6.74	0.55	H		7.20		11	1	3
4560	91.25	0.61	0.54	91.12	0.69	0.65	1.31	0.85	H	- 14.1	8.27		31		
4561	91.54	0.77	0.82	91.60	0.73	0.74	3.31	0.80	H		8.37		13		
4562	91.52	0.61	0.69	91.40	0.54	0.58	8.81	0.84	H		7.39		11	1	3
2476	91.40	0.49	0.51	91.44	0.54	0.66	4.13	0.55	H	+ 3.3	6.83		11	1	3
2472	91.23	0.46	0.47	91.14	0.43	0.46	4.92	0.50	H	+ 33.0	6.28		39		
4563	91.40	0.59	0.62	91.48	0.43	0.57	13.39	0.59	H		7.45		31		
2473	91.32	0.46	0.47	91.33	0.44	0.47	4.86	0.48	H	+ 34.5	5.01	2	33		
4564	91.45	0.54	0.57	91.20	0.58	0.66	2.75	0.64	H		7.22		11	1	3
4565	90.91	0.82	0.70	91.05	0.50	0.49	3.58	1.11	H		8.34		11	1	3
2470	91.06	0.90	0.73	91.54	0.52	0.62	2.31	1.00	H	- 53.0	5.78	1	19	1	1
4566	91.31	1.22	0.83	91.67	0.67	0.71	8.77	1.43	H		9.13		31		
4567	91.21	0.86	0.89	91.07	0.78	0.78	2.46	0.57	P		9.08		31		
2482	91.29	0.54	0.54	91.10	0.56	0.61	2.01	0.58	H		7.31	2	11	1	3
2477	91.46	0.68	0.53	91.64	0.43	0.45	28.02	0.76	H	- 36.6	5.62		19	1	1
2478	91.43	0.75	0.67	91.67	0.48	0.55	2.40	0.33	P	+ 13.	6.63		18		
4568	91.39	0.86	0.71	91.77	0.46	0.56	2.71	0.97	H	- 17.0	7.16		11	1	3
2479	91.18	0.63	0.47	91.21	0.51	0.49	5.53	0.73	H	+ 11.3	5.01	2	23	2	
4570	91.20	0.57	0.54	91.15	0.58	0.59	4.67	0.61	H		7.76		11	1	3
4571	91.23	0.68	0.71	91.28	0.59	0.69	2.83	0.77	H		8.50		13		
4572	91.65	0.82	0.96	91.63	0.61	0.78	3.50	1.38	H		8.56		11	1	3
4573	91.28	0.80	0.68	91.61	0.49	0.54	6.00	0.89	H	+ 31.2	6.62		11	1	3
4574	91.17	1.30	0.97	91.57	0.79	0.76	5.49	1.39	H	- 33.8	8.84		31		
2486	91.15	0.51	0.56	91.35	0.39	0.50	38.92	0.56	H	+ 60.3	6.61		31		
4575	91.10	1.02	0.58	91.72	0.51	0.57	.45	1.30	H		7.29		11	1	3
4576	91.51	0.73	0.53	91.43	0.60	0.52	2.62	0.85	H	- 9.	7.29		11	1	3
2485	91.23	0.81	0.55	91.60	0.50	0.50	8.82	0.89	H		6.88		11	1	3
4577	91.30	0.78	0.64	91.30	0.60	0.61	5.00	0.69	P		7.63	1	15	1	3
4578	91.81	0.83	0.71	91.82	0.52	0.65	2.57	0.95	H		7.30		11	1	3
2490	91.28	0.39	0.47	91.25	0.45	0.47	4.68	0.63	H	+ 33.5	5.61	1	19	1	1
4579	91.20	0.55	0.53	91.29	0.55	0.63	2.52	0.71	H		8.00		11	1	3
4580	91.28	0.59	0.55	91.37	0.65	0.59	12.70	0.95	H		8.23		31		
2487	91.23	0.81	0.69	91.53	0.49	0.49	5.47	0.90	H	+ 28.1	6.56		15	1	3
2492	91.21	0.43	0.41	91.33	0.39	0.46	6.24	0.53	H	+ 23.	6.30		18		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4548	+ 0.10	+ 0.00	- 0.02	- 2.24	+ 1.48	- 0.17	+ 0.02	+ 0.07	+ 5.12	- 2.75
2458	- 0.36	+ 0.18	+ 0.33	- 1.99	- 0.48	+ 0.54	- 0.04	- 0.08	- 6.32	+ 3.14
4549	- 0.02	+ 0.01	+ 0.02	- 3.46	+ 0.29	+ 0.12	- 0.03	- 0.10	+ 3.14	+ 0.10
4550	+ 1.16	- 0.14	- 0.40	+ 2.77	+ 3.50	+ 1.21	- 0.24	- 0.64	+ 3.73	+ 3.15
4551	+ 0.46	- 0.40	- 0.61	- 0.70	+ 0.92	- 1.00	+ 0.35	+ 0.53	- 0.40	- 1.67
4552	- 0.27	+ 0.25	+ 2.28	+ 0.84	- 2.67	+ 0.33	- 0.12	- 0.32	+ 7.03	+ 0.54
4553	- 0.08	+ 0.17	+ 1.00	- 1.04	- 0.41	- 0.30	+ 0.16	+ 0.62	- 0.24	- 1.27
2459	+ 0.03	+ 0.04	+ 0.06	+ 1.15	- 0.35	- 0.43	+ 0.18	+ 0.26	+ 0.72	- 1.10
4554	+ 1.13	- 0.20	- 0.54	+ 0.99	+ 3.46	- 0.90	+ 0.25	+ 0.75	- 4.22	- 2.48
4555	- 0.33	+ 0.04	+ 0.19	- 1.19	- 1.65	- 0.06	+ 0.01	+ 0.05	+ 1.80	- 0.93
2466	+ 0.00	- 0.05	- 0.06	- 0.25	+ 0.10	+ 0.22	- 0.07	- 0.08	+ 1.05	+ 0.04
4556	- 0.25	+ 0.83	+ 2.01	+ 0.13	- 0.62	+ 0.23	+ 0.11	+ 0.54	+ 2.19	+ 0.05
4558	- 1.63	+ 0.51	+ 1.62	- 9.08	- 4.58	- 1.09	+ 0.33	+ 1.00	- 3.31	- 3.20
4559	- 0.01	- 0.11	- 0.43	+ 2.53	- 0.29	- 0.46	+ 0.26	+ 0.83	- 1.42	- 1.38
2469	- 1.55	+ 0.29	+ 0.42	- 3.40	- 1.84	- 0.18	- 0.01	- 0.01	- 0.54	- 0.13
2468	- 0.03	+ 0.00	+ 0.00	- 0.44	+ 0.10	- 0.34	+ 0.12	+ 0.18	- 2.50	+ 0.05
3977	- 0.70	+ 0.06	+ 0.16	- 3.84	- 1.42	+ 0.73	- 0.08	- 0.21	+ 4.11	+ 1.57
4560	+ 0.40	- 0.16	- 0.53	+ 0.80	+ 1.51	- 0.43	+ 0.16	+ 0.75	- 1.34	- 2.15
4561	+ 0.14	+ 0.04	+ 0.18	+ 0.55	+ 0.24	+ 0.48	- 0.14	- 0.46	+ 2.22	+ 1.32
4562	+ 0.68	- 0.25	- 0.43	+ 5.77	- 0.03	- 0.09	+ 0.02	+ 0.03	- 1.35	+ 0.07
2476	- 0.46	+ 0.07	+ 0.21	+ 2.74	- 2.70	+ 0.83	- 0.15	- 0.47	- 0.06	+ 3.35
2472	+ 0.22	- 0.04	- 0.09	+ 2.13	- 0.08	- 0.86	+ 0.13	+ 0.25	+ 0.50	- 2.41
4563	+ 1.54	- 0.36	- 0.54	- 1.56	+ 3.25	+ 0.39	+ 0.00	+ 0.00	+ 0.80	+ 0.49
2473	- 1.00	+ 0.22	+ 0.41	- 2.93	- 1.49	+ 0.52	- 0.17	- 0.31	- 4.53	+ 2.80
4564	- 0.80	+ 0.09	+ 0.38	- 1.65	- 3.60	- 0.93	+ 0.17	+ 0.67	- 8.27	- 2.47
4565	+ 0.14	+ 0.00	+ 0.04	+ 2.80	- 0.10	+ 1.02	- 0.37	- 0.68	+ 3.12	+ 1.74
2470	+ 0.04	- 0.07	- 0.23	+ 1.22	- 0.20	+ 0.44	- 0.13	- 0.42	+ 2.53	+ 1.12
4566	+ 0.04	- 0.43	- 0.91	- 3.48	+ 0.72	+ 1.17	- 0.91	- 1.50	+ 0.06	+ 2.18
4567	+ 0.15	- 0.11	- 0.58	- 4.62	+ 4.45	+ 0.53	- 0.15	- 0.74	+ 6.33	+ 0.41
2482	- 0.31	+ 0.04	+ 0.18	- 3.24	- 0.71	- 0.08	+ 0.00	+ 0.02	- 1.87	+ 0.18
2477	+ 0.32	- 0.25	- 0.29	+ 0.35	+ 0.40	- 0.80	+ 0.23	+ 0.27	- 0.91	- 0.95
2478	+ 0.38	- 0.16	- 0.54	+ 3.35	+ 1.03	+ 0.51	- 0.08	- 0.33	+ 0.21	+ 2.72
4568	+ 0.30	- 0.51	- 1.52	+ 0.09	+ 1.11	- 0.42	+ 0.36	+ 0.93	- 0.98	- 1.00
2479	+ 0.09	- 0.28	- 0.38	- 3.71	+ 1.29	- 0.03	- 0.01	- 0.01	- 3.18	+ 0.59
4570	+ 0.54	- 0.14	- 0.29	+ 2.92	+ 0.81	- 0.68	+ 0.17	+ 0.37	- 4.12	- 0.92
4571	- 0.38	+ 0.14	+ 0.45	- 1.77	- 1.06	+ 0.44	- 0.18	- 0.55	- 0.65	+ 1.86
4572	- 0.46	+ 0.23	+ 0.88	- 1.95	- 1.85	+ 0.16	- 0.06	- 0.23	- 1.82	+ 1.50
4573	+ 0.07	- 0.03	- 0.05	+ 3.00	- 0.29	+ 0.53	- 0.23	- 0.35	- 1.21	+ 1.14
4574	+ 0.36	- 1.05	- 3.46	- 1.17	+ 1.63	- 0.15	+ 0.43	+ 1.39	+ 0.62	- 0.65
2486	- 2.08	+ 0.43	+ 0.55	- 8.25	- 0.48	+ 0.62	- 0.15	- 0.18	- 1.25	+ 1.57
4575	+ 0.02	- 0.08	- 0.79	- 2.03	+ 0.45	+ 0.00	- 0.01	- 0.14	+ 2.30	- 0.29
4576	+ 0.35	- 0.22	- 0.45	- 0.31	+ 0.91	+ 0.06	- 0.02	- 0.04	+ 3.28	- 0.43
2485	- 0.10	+ 0.37	+ 0.51	+ 1.65	- 0.99	+ 0.11	+ 0.05	+ 0.08	+ 0.62	- 0.06
4577	- 0.31	+ 0.39	+ 0.71	+ 2.74	- 1.20	- 0.29	+ 0.18	+ 0.35	+ 0.92	- 0.94
4578	+ 0.25	- 0.24	- 0.69	+ 1.58	+ 0.60	+ 0.38	- 0.18	- 0.50	- 0.22	+ 1.46
2490	- 0.12	+ 0.02	+ 0.04	+ 3.25	- 1.39	+ 0.85	- 0.13	- 0.26	- 0.87	+ 2.57
4579	+ 0.06	- 0.02	- 0.04	- 4.95	+ 1.91	+ 0.04	- 0.01	- 0.04	+ 3.37	- 0.66
4580	+ 1.79	- 0.71	- 0.94	+ 7.38	+ 1.77	+ 0.45	- 0.12	- 0.17	+ 2.08	+ 0.41
2487	+ 0.22	- 0.14	- 0.27	- 4.89	+ 1.36	+ 0.23	- 0.04	- 0.08	+ 2.20	+ 0.15
2492	- 0.72	+ 0.13	+ 0.20	- 2.80	- 0.50	+ 0.49	- 0.13	- 0.19	- 2.81	+ 2.01

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
4548	0.99	0.60	0.63	2.92	1.96	0.96	0.54	0.56	3.02	1.85	1.81	1.64	0.71	2.46	0.30	
2458	0.92	0.71	0.77	2.89	1.18	1.05	0.42	0.43	3.31	1.66	2.02	1.97	0.79	2.60	0.45	
4549	0.74	0.53	0.57	3.52	1.11	0.78	0.55	0.59	3.74	1.27	1.30	0.26	2.10	1.27	0.67	
4550	1.10	0.55	0.57	3.42	1.97	1.08	0.65	0.68	3.43	1.78	1.55	2.74	1.80	0.24	0.92	
4551	0.75	0.75	0.83	2.37	0.87	0.84	0.58	0.61	3.04	1.01	0.30	2.32	1.26	0.75	0.92	
4552	1.09	1.14	1.79	2.99	1.51	0.93	0.90	1.23	3.02	1.43	2.36	2.34		2.21	1.86	t
4553	0.69	0.77	1.13	2.54	0.86	0.63	0.54	0.62	2.82	0.93	1.93	0.79		0.42	0.59	
2459	0.57	0.49	0.52	1.23	0.69	0.71	0.48	0.51	1.64	0.93	0.85	1.34	0.36	1.44	1.87	t
4554	1.13	0.62	0.65	3.97	1.83	1.22	0.81	0.87	3.98	2.02	1.28	2.51	1.92	0.69	0.72	
4555	1.08	0.68	0.71	3.62	2.30	1.18	0.98	1.11	3.62	2.05	0.88	0.59		0.66	0.77	
2466	0.68	0.64	0.66	1.34	0.74	0.75	0.43	0.44	1.72	0.83	0.65	0.20	0.74	0.58	0.58	t
4556	0.62	0.95	1.34	2.12	0.69	0.69	0.75	0.94	2.42	0.81	1.04	1.77	1.91	0.90	1.11	t
4558	0.94	0.66	0.72	3.56	1.49	0.89	0.58	0.62	3.82	1.37	3.14	4.60	4.72	1.17	2.51	t
4559	0.64	0.60	0.72	2.16	0.88	0.64	0.55	0.64	2.23	0.91	1.60	2.00	2.55	1.21	1.48	
2469	0.96	0.47	0.48	2.14	1.29	0.96	0.48	0.49	2.12	1.27	1.76	1.65	2.83	0.65	0.74	
2468	0.76	0.47	0.49	1.71	1.03	0.75	0.48	0.50	1.81	0.99	1.45	0.15	0.80	1.26	0.48	t
3977	1.33	0.52	0.53	4.60	2.30	1.34	0.60	0.62	4.92	2.25	1.23	1.01	1.58	0.67	0.42	
4560	0.70	0.57	0.64	2.94	1.05	0.80	0.68	0.77	3.31	1.31	2.56	0.76		0.32	1.39	
4561	1.08	0.87	1.00	3.34	1.72	1.05	0.79	0.89	3.35	1.68	0.79	0.95	1.41	0.25	0.21	t
4562	1.12	0.76	0.81	2.95	1.49	1.03	0.64	0.67	3.12	1.30	0.24	2.07		1.80	0.32	
2476	1.11	0.51	0.53	3.76	2.02	1.14	0.67	0.71	3.92	1.97	0.68	2.28	0.75	1.49	1.55	
2472	0.98	0.48	0.50	2.67	1.46	0.98	0.47	0.49	2.61	1.48	0.82	1.70	3.09	1.21	0.67	t
4563	1.22	0.67	0.69	3.34	1.57	1.21	0.61	0.63	3.24	1.55	0.38	2.25	2.54	1.31	1.97	
2473	0.94	0.49	0.51	2.27	1.40	0.92	0.50	0.52	2.32	1.31	2.30	2.50	0.70	2.80	0.55	t
4564	1.00	0.58	0.60	3.64	1.97	1.02	0.68	0.72	3.72	1.89	2.42	2.48	1.91	1.47	2.33	
4565	0.81	0.88	1.08	2.81	0.98	0.78	0.55	0.59	3.03	1.00	2.08	1.55		1.07	0.77	
2470	0.80	0.90	1.21	1.92	1.04	0.89	0.64	0.70	2.71	1.49	1.23	0.93	1.75	0.80	0.37	t
4566	0.93	1.22	1.50	2.82	1.07	0.98	0.86	0.95	3.02	1.17	2.52	0.96		1.54	3.30	
4567	1.15	0.92	1.02	3.16	2.42	1.06	0.80	0.88	2.92	2.17	1.96	2.66		2.80	2.41	
2482	0.90	0.55	0.58	3.10	1.86	0.95	0.62	0.65	3.42	2.08	1.21	0.46	0.56	0.87	0.24	
2477	0.88	0.67	0.69	1.82	0.95	0.98	0.50	0.51	2.21	1.11	0.61	1.14	1.67	0.03	1.45	t
2478	0.92	0.71	0.78	3.61	1.41	0.96	0.56	0.58	4.10	1.88	1.06	1.81	1.15	0.82	1.44	t
4568	0.81	0.85	1.07	2.59	1.03	0.75	0.64	0.74	2.72	0.97	0.87	2.22	2.00	0.37	1.86	
2479	0.58	0.70	0.77	1.29	0.67	0.71	0.60	0.64	1.93	0.85	2.70	1.70	1.88	3.88	0.37	t
4570	0.99	0.57	0.60	3.24	1.41	1.03	0.62	0.65	3.15	1.54	1.70	1.04	2.45	1.09	1.21	
4571	0.97	0.74	0.82	2.81	1.59	0.93	0.74	0.82	2.74	1.45	0.76	1.67	1.96	0.84	2.09	t
4572	1.20	1.02	1.16	3.30	2.01	1.12	0.81	0.88	3.32	1.98	1.41	0.93		0.86	1.38	
4573	0.82	0.91	1.06	2.62	0.95	0.86	0.60	0.64	2.83	1.06	1.12	1.21	0.49	1.41	0.61	
4574	1.05	1.31	1.85	3.15	1.26	0.96	0.93	1.14	3.02	1.21	0.65	2.36	2.49	0.91	1.33	
2486	1.25	0.61	0.62	2.60	1.52	1.14	0.54	0.55	2.32	1.38	3.33	1.34	2.49	2.79	0.91	t
4575	0.59	0.65	1.18	2.30	0.69	0.62	0.59	0.76	2.62	0.94	0.94	1.03		1.39	1.08	
4576	0.72	0.60	0.67	2.45	0.93	0.81	0.55	0.59	2.82	1.18	1.22	1.15		1.30	1.08	
2485	0.66	0.90	1.02	1.25	0.79	0.85	0.59	0.63	1.82	1.08	0.74	1.17	0.91	1.81	1.69	
4577	0.80	0.81	0.92	2.30	0.97	0.94	0.68	0.73	2.72	1.26	1.63	0.84		1.70	0.34	t
4578	0.84	0.81	0.98	2.73	1.11	0.89	0.70	0.78	2.72	1.34	0.79	1.53	1.43	0.65	0.63	t
2490	0.91	0.49	0.51	2.32	1.31	0.97	0.48	0.50	2.61	1.48	1.37	2.08	0.92	2.08	0.56	t
4579	0.91	0.54	0.57	2.93	1.68	0.90	0.67	0.73	2.93	1.42	2.00	1.17	0.24	2.38	2.30	
4580	0.95	0.63	0.65	3.17	1.08	1.09	0.66	0.68	3.35	1.32	2.18	2.66		1.74	1.65	
2487	0.99	0.78	0.85	3.20	1.27	1.10	0.50	0.52	3.61	1.65	1.53	1.07	1.20	1.89	0.24	t
2492	0.91	0.44	0.45	2.09	1.23	0.88	0.49	0.51	2.02	1.18	1.89	1.80	1.32	2.27	1.37	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4581	30532	FX	π^2 Dor	6 25 5.714 213	+ 16 59 40.896 63	- 4.49	- 2.78
4582	30562	FX		6 25 27.396 172	- 16 23 28.183 49	- 1.17	+ 7.31
2495	30565	BX		6 25 28.629 595	- 69 41 25.079 06	- 12.75	+ 200.35
4583	30583	FX		6 25 40.475 934	- 29 42 10.716 68	- 3.85	- 1.77
4584	30588	FX		6 25 42.728 680	+ 21 38 42.084 60	- 6.60	- 12.92
4585	30637	FX		6 26 20.031 188	+ 60 3 41.692 43	+ 0.85	- 12.39
2493	30666	BX		6 26 39.585 887	- 1 30 26.396 92	- 8.83	- 27.98
2494	30815	BX		6 28 28.052 662	+ 16 14 18.195 08	- 92.65	- 48.14
4589	30887	FX		6 29 0.743 314	- 80 32 19.449 20	+ 2.64	+ 21.84
4590	30892	FX		6 29 5.472 541	+ 76 59 46.163 33	+ 4.38	- 45.65
2498	30932	BX	47 Aur	6 29 28.498 919	- 56 51 9.958 95	- 38.25	+ 32.14
4591	30965	FX		6 29 58.378 279	+ 13 36 54.945 84	- 0.46	- 1.75
2496	30972	RS		6 30 2.973 728	+ 46 41 7.990 59	- 7.49	+ 7.11
2502	30973	BX		6 30 3.011 226	- 65 34 5.675 06	+ 1.35	+ 59.52
2499	31037	BX		6 30 46.288 238	- 27 46 10.465 18	- 7.60	+ 6.35
2501	31099	BX		6 31 34.948 385	- 36 56 24.093 21	+ 1.69	+ 70.14
4594	31229	FX		6 33 1.988 197	- 73 45 4.559 88	- 5.09	+ 4.70
2514	31314	RS		6 34 2.501 248	- 77 41 15.736 62	- 12.25	- 60.44
2506	31362	BX		6 34 35.331 209	- 32 42 58.515 41	+ 3.22	+ 2.82
4595	31368	FX		6 34 39.309 928	+ 19 25 44.545 32	+ 4.34	- 9.89
4596	31382	FX	49 Aur	6 34 45.814 692	- 20 33 26.794 63	- 12.32	+ 3.27
4597	31406	FX		6 34 58.378 699	+ 0 30 14.716 78	- 2.01	- 2.24
2508	31407	RS		6 34 58.580 181	- 52 58 32.187 68	- 7.40	+ 11.05
4598	31429	FX		6 35 8.843 417	+ 83 45 48.838 15	+ 2.58	- 25.14
2504	31434	RS		6 35 12.061 458	+ 28 1 20.319 40	- 0.54	- 13.60
2505	31448	RS		6 35 17.596 731	+ 9 59 18.009 73	+ 0.41	- 7.39
4599	31498	FX		6 35 48.837 063	+ 54 35 22.203 23	- 3.31	+ 1.69
4600	31501	FX		6 35 50.217 510	+ 49 52 57.118 16	- 13.40	- 8.39
2509	31583	BX		6 36 35.331 642	- 5 12 40.121 38	+ 2.33	- 15.06
2510	31592	RS		6 36 41.037 352	- 19 15 21.163 68	+ 62.20	- 69.74
4601	31610	FX	ν^2 CMa	6 36 57.342 726	+ 69 21 28.596 29	- 8.54	- 2.33
2512	31672	BX		6 37 40.326 755	+ 2 42 14.973 89	- 38.68	- 49.06
4602	31723	FX		6 38 11.089 237	+ 72 51 3.240 85	+ 1.20	- 27.83
4604	31787	FX		6 38 47.925 765	+ 6 54 6.783 03	- 2.62	+ 0.38
4605	31811	FX		6 39 3.586 364	- 18 11 8.978 96	+ 1.96	+ 0.37
2513	31813	BX		6 39 5.300 653	+ 22 1 51.167 21	+ 14.11	- 24.75
2515	31827	BX		6 39 16.719 136	- 14 8 44.748 98	+ 4.54	- 6.94
4606	31841	FX		6 39 26.770 338	- 43 25 38.246 99	+ 3.13	- 7.23
4607	31923	FX		6 40 17.303 362	+ 4 54 41.080 27	- 3.96	+ 0.53
2507	31940	BX		6 40 28.877 238	+ 77 59 44.816 11	+ 14.26	- 6.11
4608	31943	FX	ψ^4 Aur	6 40 30.980 349	+ 37 15 39.712 79	- 18.17	- 24.06
2511	31946	BX		6 40 32.251 078	+ 71 44 55.627 80	+ 3.85	+ 10.54
4609	31989	FX		6 41 4.289 686	+ 53 23 54.531 70	- 0.66	+ 7.93
2516	32040	RS		6 41 37.757 969	+ 35 55 54.939 76	- 16.39	- 25.95
4610	32143	FX		6 42 45.030 057	+ 32 33 31.918 49	- 6.62	- 7.12
2517	32173	BX		6 43 4.971 656	+ 44 31 28.021 53	- 44.79	- 30.06
4611	32175	FX		6 43 6.047 890	- 29 14 14.389 42	- 1.88	+ 2.15
2522	32222	RS		6 43 36.757 579	- 73 7 5.549 47	+ 12.33	- 98.19
4612	32243	FX		6 43 53.529 759	- 25 32 5.824 87	- 46.84	+ 8.21
3950	32296	BX		6 44 30.356 975	+ 82 6 55.199 15	+ 13.63	- 54.25

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4581	91.14	0.82	0.65	91.31	0.53	0.53	3.38	0.86	H	+ 3.	7.01		11	1	1
4582	91.38	0.79	0.93	91.58	0.69	0.78	2.73	0.63	P		8.47		11	1	3
2495	91.42	0.49	0.51	91.38	0.43	0.47	12.25	0.49	H	+ 9.1	5.37		31		
4583	91.36	0.44	0.55	91.43	0.45	0.53	2.51	0.68	H		6.89	2	15	1	3
4584	91.05	0.86	0.58	91.42	0.59	0.48	9.03	0.96	H	- 23.6	6.53		11	1	3
4585	91.08	1.04	0.92	91.13	0.91	0.85	1.91	1.33	H		9.17		13		
2493	91.42	0.71	0.40	91.24	0.58	0.43	14.26	0.89	H	+ 10.	5.87		28	2	
2494	91.37	0.86	0.47	91.51	0.59	0.46	15.49	0.92	H	+ 40.9	6.24		31		
4589	91.42	0.69	0.78	91.46	0.67	0.88	4.75	0.74	H		8.91		31		
4590	91.17	0.58	0.53	91.28	0.75	0.73	9.71	0.90	H		8.60		31		
2498	91.02	0.45	0.48	90.95	0.42	0.52	10.44	0.47	H	+ 12.9	5.20		11	1	3
4591	91.42	0.93	0.71	91.53	0.68	0.65	2.36	0.54	P		8.29		13		
2496	91.35	0.66	0.62	91.55	0.45	0.51	6.15	0.77	H	- 42.8	5.88		31		
2502	91.34	0.49	0.52	91.27	0.46	0.53	10.27	0.50	H	+ 6.8	6.28		18		
2499	91.27	0.40	0.45	91.24	0.40	0.44	2.89	0.59	H	+ 27.	5.92		38		
2501	91.24	0.44	0.40	91.33	0.43	0.47	3.50	0.56	H	+ 54.0	6.26	2	23	2	
4594	91.25	0.58	0.57	91.22	0.64	0.70	6.03	0.66	H		7.93		21	2	
2514	91.33	0.48	0.50	91.25	0.45	0.51	19.39	0.50	H		6.66		31		
2506	91.16	0.43	0.43	91.35	0.40	0.43	6.70	0.58	H	+ 27.9	5.62		18		
4595	91.02	0.98	0.54	91.33	0.59	0.48	5.65	1.06	H	+ 40.	7.07		18		
4596	91.12	0.46	0.56	91.45	0.49	0.63	6.01	0.80	H		7.02		11	1	3
4597	91.35	0.85	0.79	91.35	0.61	0.70	1.37	1.02	H		8.10		15	1	3
2508	91.42	0.48	0.50	91.22	0.45	0.46	1.85	0.51	H	+ 22.3	4.35		11	1	3
4598	91.05	0.70	0.64	91.10	0.80	0.79	2.73	0.93	H		9.16		11	1	3
2504	91.10	0.83	0.53	91.26	0.53	0.47	7.30	0.86	H	+ 17.0	5.26		11	1	3
2505	91.46	0.84	0.59	91.62	0.53	0.60	2.06	0.99	H	+ 38.7	5.93		19	1	1
4599	90.98	0.82	0.66	91.29	0.62	0.60	3.99	1.05	H		8.38		11	1	3
4600	90.95	0.79	0.66	91.11	0.56	0.57	8.56	1.05	H		8.24		31		
2509	91.34	0.66	0.41	91.45	0.41	0.40	3.91	0.79	H	+ 27.	5.52		31		
2510	91.06	0.38	0.43	91.53	0.39	0.45	50.41	0.70	H	+ 2.9	3.95		21	2	
4601	90.93	0.43	0.50	91.32	0.61	0.62	2.89	0.88	H		8.29		11	1	3
2512	91.43	0.74	0.52	91.48	0.49	0.47	6.87	0.88	H	- 7.6	6.17		11	1	3
4602	90.95	0.49	0.48	91.41	0.70	0.64	7.11	0.95	H		8.73		11	1	3
4604	91.53	0.74	0.61	91.72	0.49	0.53	.73	0.17	P	+ 32.	6.94		19	1	1
4605	91.21	0.46	0.54	91.46	0.47	0.55	3.18	0.73	P	+ 5.	7.13	2	11	1	3
2513	91.06	0.92	0.47	91.38	0.57	0.47	7.78	0.94	H	- 8.7	6.09		11	1	3
2515	91.70	0.59	0.70	91.80	0.38	0.61	2.07	0.92	H	+ 29.1	4.82		31		
4606	91.26	0.47	0.49	91.38	0.52	0.61	3.03	0.58	H		7.18	1	11	1	3
4607	91.61	1.29	0.71	91.67	0.66	0.72	.87	0.20	P	+ 26.	9.15		11	1	3
2507	91.26	0.38	0.36	91.37	0.41	0.42	5.63	0.53	H	- 14.3	5.75		31		
4608	91.39	0.99	0.82	91.70	0.60	0.72	5.70	0.79	P		8.68		11	1	3
2511	91.17	0.32	0.33	91.50	0.44	0.42	4.92	0.60	H	- 23.2	5.88		31		
4609	90.97	0.71	0.64	91.12	0.53	0.56	5.61	0.90	H		7.50	2	21	2	
2516	91.16	0.70	0.64	91.52	0.40	0.47	12.71	0.80	H	+ 86.3	6.48		28	2	
4610	91.37	0.91	0.73	91.67	0.46	0.55	2.38	0.97	H		6.74		31		
2517	91.29	0.60	0.44	91.50	0.42	0.46	10.66	0.71	H	- 75.6	5.04		31		
4611	91.20	0.46	0.50	91.13	0.51	0.55	4.85	0.71	H		7.28		11	1	3
2522	91.35	0.49	0.48	91.30	0.45	0.51	7.76	0.49	H	+ 16.0	6.36		11	1	3
4612	91.23	0.38	0.41	91.37	0.47	0.45	8.01	0.71	H		6.70		11	1	3
3950	91.25	0.49	0.39	91.26	0.49	0.52	14.48	0.65	H	+ 6.	6.61		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4581	+ 0.59	- 0.41	- 0.93	- 0.11	+ 1.58	- 0.15	+ 0.00	- 0.05	- 1.69	- 0.04
4582	+ 0.52	- 0.21	- 0.96	+ 4.42	+ 1.82	- 0.34	+ 0.09	+ 0.34	+ 2.19	- 2.31
2495	+ 0.59	- 0.40	- 0.50	- 1.64	+ 1.84	- 0.67	+ 0.31	+ 0.40	- 3.57	+ 0.23
4583	- 0.34	+ 0.07	+ 0.22	- 1.68	- 0.81	+ 0.00	+ 0.00	- 0.01	- 2.42	+ 0.49
4584	+ 0.07	- 0.22	- 0.32	- 2.66	+ 0.53	+ 0.04	- 0.10	- 0.14	- 4.23	+ 0.49
4585	- 0.06	+ 0.07	+ 0.36	+ 0.52	- 0.42	- 0.12	+ 0.07	+ 0.33	- 2.18	- 0.38
2493	+ 0.60	- 1.09	- 1.28	+ 2.66	+ 0.00	+ 1.38	- 1.23	- 1.42	+ 1.88	+ 1.55
2494	- 0.54	+ 1.21	+ 1.50	- 0.97	- 0.50	+ 1.01	- 0.44	- 0.42	+ 2.44	+ 0.74
4589	+ 0.31	- 0.06	- 0.23	+ 1.91	+ 0.93	- 0.28	+ 0.07	+ 0.27	- 2.25	- 0.83
4590	+ 0.25	+ 0.05	+ 0.11	+ 3.28	- 0.07	- 1.79	+ 1.05	+ 1.69	- 1.78	- 3.04
2498	- 0.40	+ 0.07	+ 0.10	- 3.69	+ 0.72	- 0.63	+ 0.14	+ 0.20	+ 0.45	- 1.43
4591	- 0.24	+ 0.25	+ 0.78	- 1.71	- 0.64	+ 0.39	- 0.20	- 0.62	+ 2.07	+ 1.10
2496	- 0.43	+ 0.52	+ 0.85	+ 1.73	- 1.65	- 0.48	+ 0.23	+ 0.39	- 4.40	+ 0.58
2502	+ 0.89	- 0.17	- 0.26	- 0.01	+ 2.09	- 0.43	+ 0.16	+ 0.23	+ 0.17	- 0.93
2499	- 0.17	+ 0.03	+ 0.05	- 1.49	+ 0.07	+ 1.11	- 0.23	- 0.48	+ 5.23	+ 1.40
2501	+ 0.51	- 0.08	- 0.15	+ 1.51	+ 0.86	+ 0.78	- 0.22	- 0.41	+ 4.33	+ 0.52
4594	+ 2.60	- 0.29	- 0.68	+ 3.78	+ 7.00	+ 0.89	- 0.03	- 0.10	- 0.72	+ 3.19
2514	- 1.03	+ 0.08	+ 0.13	- 0.93	- 1.87	- 0.16	+ 0.00	+ 0.00	+ 5.17	- 1.77
2506	+ 0.15	- 0.03	- 0.04	- 0.08	+ 0.34	+ 0.32	- 0.09	- 0.12	- 1.68	+ 1.26
4595	- 0.16	+ 0.53	+ 0.89	- 1.54	- 0.19	- 0.82	+ 0.63	+ 0.93	+ 0.94	- 1.41
4596	+ 0.71	- 0.11	- 0.22	- 1.02	+ 2.09	+ 0.29	- 0.02	- 0.04	- 2.12	+ 1.41
4597	- 0.27	+ 0.16	+ 0.91	- 4.93	- 0.56	+ 0.13	- 0.05	- 0.28	+ 3.17	- 0.02
2508	+ 0.30	- 0.07	- 0.25	+ 1.03	+ 1.08	- 0.46	+ 0.08	+ 0.28	- 1.75	- 1.56
4598	+ 0.15	- 0.02	+ 0.00	+ 4.63	- 0.27	- 0.48	+ 0.29	+ 0.97	+ 4.75	- 2.40
2504	+ 0.11	+ 0.06	+ 0.13	+ 0.81	- 0.28	- 0.80	+ 0.87	+ 1.14	- 1.09	- 1.06
2505	+ 0.00	- 0.02	- 0.07	- 0.90	+ 0.28	+ 0.33	- 0.09	- 0.31	- 1.09	+ 1.93
4599	- 0.34	+ 0.36	+ 0.73	- 3.37	- 0.41	- 0.62	+ 0.30	+ 0.60	- 3.34	- 1.01
4600	- 0.34	+ 0.30	+ 0.46	- 4.05	- 0.03	- 0.32	+ 0.07	+ 0.08	+ 5.08	- 1.25
2509	- 0.48	+ 0.48	+ 0.66	- 1.16	- 0.55	- 0.95	+ 0.52	+ 0.73	- 2.79	- 1.01
2510	- 0.42	+ 0.10	+ 0.12	- 1.95	+ 0.08	+ 1.05	- 0.13	- 0.17	+ 8.08	- 1.80
4601	+ 0.23	- 0.04	- 0.08	- 1.89	+ 0.78	- 0.27	+ 0.10	+ 0.25	- 0.38	- 0.68
2512	+ 0.34	- 0.51	- 0.73	+ 1.55	+ 0.13	+ 0.24	- 0.27	- 0.38	+ 0.78	+ 0.22
4602	+ 0.95	- 0.32	- 0.49	+ 5.26	+ 0.99	+ 0.80	- 0.48	- 0.80	+ 2.83	+ 1.18
4604	+ 0.28	- 0.11	- 0.79	+ 4.83	+ 1.51	+ 0.02	+ 0.00	+ 0.06	- 1.57	+ 0.30
4605	- 0.06	+ 0.01	+ 0.04	- 1.19	+ 0.11	+ 0.21	- 0.06	- 0.14	+ 6.43	- 0.87
2513	+ 0.12	- 0.62	- 0.88	- 0.51	+ 0.48	- 0.24	+ 0.45	+ 0.55	+ 1.07	- 0.77
2515	- 0.02	+ 0.01	+ 0.04	+ 0.22	- 0.16	+ 0.06	- 0.02	- 0.06	+ 3.26	- 0.68
4606	+ 0.09	- 0.01	- 0.04	+ 2.12	- 0.18	- 0.06	+ 0.02	+ 0.05	+ 2.28	- 0.94
4607	- 0.07	+ 0.12	+ 0.85	+ 0.42	- 0.64	- 0.11	+ 0.08	+ 0.56	- 1.71	- 0.58
2507	+ 0.08	- 0.01	- 0.01	- 1.86	+ 0.96	- 0.41	+ 0.05	+ 0.09	- 4.67	+ 0.72
4608	- 0.01	- 0.10	- 0.30	+ 2.21	- 0.24	+ 0.56	- 0.30	- 0.61	- 5.02	+ 2.11
2511	- 1.68	+ 0.26	+ 0.38	- 4.12	- 1.83	- 0.31	+ 0.10	+ 0.16	+ 4.68	- 2.49
4609	+ 2.74	- 1.93	- 3.41	- 3.16	+ 5.80	- 0.84	+ 0.59	+ 1.08	- 1.57	- 1.63
2516	+ 1.42	- 1.07	- 1.42	- 0.58	+ 3.18	- 0.28	+ 0.04	+ 0.05	+ 4.08	- 2.64
4610	+ 0.37	- 0.24	- 0.75	+ 1.36	+ 0.79	- 0.66	+ 0.30	+ 0.50	+ 3.58	- 1.79
2517	+ 0.33	- 0.18	- 0.26	+ 2.79	- 0.85	+ 0.43	- 0.17	- 0.22	+ 2.05	- 0.35
4611	+ 1.09	- 0.17	- 0.35	+ 2.34	+ 2.25	- 0.25	+ 0.02	+ 0.05	+ 2.37	- 1.50
2522	- 0.63	+ 0.04	+ 0.10	+ 3.06	- 3.41	+ 0.55	- 0.03	- 0.09	+ 5.42	- 0.17
4612	+ 0.06	- 0.01	- 0.01	- 1.38	+ 0.35	- 0.23	+ 0.08	+ 0.11	- 1.88	- 0.08
3950	+ 0.20	- 0.23	- 0.26	- 0.93	+ 0.65	+ 0.51	- 0.29	- 0.36	+ 3.49	+ 0.03

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
4581	0.84	0.75	0.86	2.76	1.10	0.79	0.59	0.64	2.72	1.04	0.66	1.81	0.77	0.80	0.22	t
4582	1.15	0.97	1.11	3.63	1.94	1.05	0.81	0.90	3.42	1.81	1.82	1.51		1.32	2.03	
2495	0.88	0.60	0.62	1.73	1.06	0.85	0.54	0.56	1.73	1.05	2.28	1.91	1.63	2.54	1.83	
4583	0.88	0.57	0.61	2.77	1.47	0.83	0.56	0.60	2.82	1.26	1.07	0.74	1.34	0.98	0.70	t
4584	0.69	0.91	1.03	2.02	0.76	0.66	0.65	0.69	2.32	0.71	1.95	0.86	0.47	2.45	0.23	
4585	0.99	1.01	1.35	3.87	1.32	0.98	0.90	1.08	4.23	1.46	0.57	0.58		0.46	0.36	t
2493	0.55	0.68	0.71	1.09	0.55	0.65	0.56	0.58	1.51	0.71	3.61	3.47	4.37	2.18	1.96	t
2494	0.57	1.05	1.19	1.05	0.61	0.65	0.76	0.83	1.41	0.71	2.69	2.41	2.03	1.14	1.07	t
4589	1.28	0.80	0.85	4.66	2.30	1.34	0.90	0.96	4.66	2.48	0.69	0.62	2.97	0.33	0.45	
4590	0.99	0.59	0.61	3.33	1.19	1.05	0.85	0.92	3.56	1.27	3.02	1.33		1.00	1.05	
2498	1.05	0.52	0.53	2.25	1.40	1.06	0.55	0.57	2.42	1.42	1.64	1.14	2.39	1.80	0.59	
4591	0.82	0.81	0.99	3.24	1.07	0.86	0.70	0.79	3.52	1.23	1.50	1.04		0.41	0.39	t
2496	0.82	0.78	0.86	1.79	1.03	0.94	0.56	0.59	2.11	1.31	2.24	1.89	1.44	2.59	0.31	
2502	1.19	0.55	0.56	2.64	1.69	1.01	0.58	0.60	2.22	1.32	0.10	1.52	0.79	0.79	0.42	t
2499	0.79	0.47	0.50	2.02	1.20	0.80	0.46	0.48	2.11	1.24	2.74	1.41	1.66	1.70	1.21	t
2501	0.85	0.42	0.43	2.19	1.31	0.80	0.50	0.53	2.01	1.16	2.40	1.04	6.11	1.66	1.07	t
4594	1.22	0.59	0.61	4.12	1.97	1.29	0.72	0.75	4.04	2.19	1.08	4.01	1.92	1.10	2.87	
2514	1.49	0.51	0.52	3.72	2.02	1.46	0.52	0.53	3.82	1.95	1.37	1.31	2.56	1.63	0.39	t
2506	0.90	0.46	0.47	2.05	1.20	0.86	0.47	0.48	1.91	1.13	0.79	1.17	1.21	1.34	0.83	t
4595	0.64	0.80	0.92	2.30	0.70	0.70	0.59	0.63	2.62	0.80	0.98	2.37	1.68	1.03	0.69	t
4596	1.12	0.59	0.61	3.40	1.67	1.18	0.66	0.69	3.42	1.82	0.64	1.52	0.41	1.23	1.20	
4597	0.91	0.83	0.99	2.74	1.50	0.87	0.72	0.80	2.92	1.61	0.83	2.30		1.70	0.37	t
2508	0.80	0.52	0.55	2.39	1.46	0.79	0.48	0.50	2.62	1.46	0.92	1.45	1.60	0.07	0.80	
4598	0.86	0.70	0.79	3.21	1.21	0.97	0.87	1.02	3.79	1.36	1.99	1.69		2.28	1.77	
2504	0.63	0.88	1.00	1.11	0.76	0.64	0.64	0.69	1.31	0.76	1.60	2.15	1.64	0.81	1.60	t
2505	0.73	0.67	0.79	1.94	1.00	0.87	0.62	0.67	2.71	1.52	0.48	1.36	1.56	1.11	0.54	t
4599	0.81	0.80	0.93	2.92	0.98	0.86	0.67	0.73	3.43	1.10	1.48	1.75		1.16	0.40	
4600	0.84	0.89	0.99	2.66	0.96	0.90	0.68	0.73	2.84	1.07	1.15	2.29		2.53	0.90	
2509	0.54	0.56	0.61	1.24	0.63	0.60	0.48	0.51	1.51	0.72	2.59	2.47	2.89	1.15		t
2510	1.16	0.46	0.47	2.30	1.37	1.23	0.48	0.49	2.41	1.53	3.46	1.02	3.10	3.55	0.99	
4601	0.80	0.53	0.57	3.13	1.11	0.85	0.68	0.76	3.35	1.17	0.99	0.60		0.81	1.13	
2512	0.66	0.73	0.80	1.39	0.79	0.69	0.58	0.62	1.61	0.83	1.55	0.91	0.67	0.94	0.52	
4602	0.90	0.53	0.55	3.21	1.09	0.95	0.74	0.79	3.45	1.16	1.82	2.04		1.34	0.45	
4604	0.71	0.63	0.73	3.17	1.22	0.66	0.55	0.61	3.42	1.17	1.63	1.79		1.11	0.69	t
4605	0.89	0.56	0.60	2.75	1.34	0.87	0.59	0.63	2.72	1.29	2.39	0.51	1.16	2.46	0.97	
2513	0.53	0.97	1.14	1.02	0.60	0.57	0.74	0.81	1.21	0.65	0.41	1.78	1.48	1.58	0.82	
2515	0.86	0.77	0.90	2.49	1.26	0.87	0.64	0.70	2.71	1.47	1.19	0.40	2.80	1.29	1.52	
4606	1.01	0.49	0.51	3.73	2.02	1.03	0.62	0.65	3.62	1.91	0.84	0.50	0.39	0.96	0.76	
4607	0.75	0.80	1.17	2.44	0.97	0.79	0.76	0.94	2.72	1.23	1.22	0.80		0.55	0.76	
2507	0.75	0.39	0.40	1.56	0.99	0.92	0.44	0.45	2.24	1.29	2.37	1.01	0.43	2.59	0.11	
4608	0.93	1.10	1.38	3.14	1.10	1.03	0.81	0.90	3.42	1.35	1.69	1.46		2.07	1.58	
2511	0.78	0.34	0.35	1.70	1.08	0.95	0.44	0.45	2.43	1.41	3.19	2.63	1.57	2.80	0.22	
4609	0.89	0.75	0.83	3.35	1.07	0.92	0.61	0.65	3.83	1.16	6.98	0.69		2.55	4.10	
2516	1.00	0.77	0.81	2.09	1.18	1.24	0.49	0.50	2.61	1.73	1.56	3.56	1.87	2.66	2.16	t
4610	0.79	0.97	1.54	2.82	0.92	0.70	0.66	0.91	2.92	0.87	1.15	2.57	1.65	1.77	1.89	
2517	0.57	0.73	0.78	1.03	0.61	0.80	0.53	0.55	1.42	1.05	2.77	0.60	0.54	3.33	0.55	
4611	1.01	0.52	0.54	3.04	1.52	1.08	0.57	0.59	3.12	1.76	1.14	1.82	1.67	1.08	1.68	
2522	1.44	0.48	0.49	4.68	2.64	1.48	0.51	0.52	4.32	3.08	1.42	1.31	1.35	1.60	2.20	
4612	0.86	0.44	0.45	2.48	1.05	0.77	0.51	0.53	2.42	0.88	0.97	0.37	0.57	0.95	0.93	
3950	0.61	0.52	0.53	1.24	0.67	0.84	0.63	0.65	2.15	0.95	1.79	1.10	1.35	1.85	1.04	

1	2	3	4	5	6	7	8	
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]	
4613	32309	FX	28 Gem	6 44 44.209885	- 61 13 27.22206	- 8.45	+ 8.41	
2518	32311	BX		6 44 45.460539	+ 28 58 15.35182	- 6.28	- 23.89	
4614	32351	FX		6 45 9.778700	- 82 53 45.03570	- 32.03	+ 9.53	
4615	32431	FX		6 46 10.370862	+ 23 22 16.40720	- 10.47	+ 44.90	
4617	32472	FX		6 46 37.981765	- 58 39 25.27196	+ 14.44	- 32.08	
2521	32474	RS	13 Lyn	6 46 39.016102	- 10 6 26.49564	- 11.77	+ 0.85	
4618	32476	FX		6 46 41.614829	- 36 35 46.28684	+ 7.51	+ 3.30	
2520	32489	BX		6 46 49.509491	+ 57 10 9.03678	+ 13.95	- 38.51	
4619	32490	FX		6 46 50.199014	- 9 9 52.45436	- 8.91	+ 4.15	
2524	32531	RS		6 47 18.708944	- 55 32 23.95863	- 0.95	+ 24.96	
4620	32637	FX		6 48 27.396704	- 12 50 26.22466	- 8.25	- 2.53	
4621	32711	FX		6 49 28.639538	- 0 12 34.76466	- 1.82	- 1.10	
2525	32740	RS		6 49 41.312469	+ 32 36 24.32496	- 37.59	- 50.25	
2529	32765	RS		6 49 54.616593	- 46 36 52.41915	- 0.51	+ 374.06	
4622	32766	FX		6 49 55.521142	- 5 30 47.50339	- 2.06	+ 1.93	
2531	32779	BX	42 Cam	6 50 2.510843	- 66 17 36.29350	- 8.67	+ 30.03	
4624	32780	FX		6 50 3.344673	- 42 8 43.37358	- 5.90	- 1.53	
2528	32782	RS		6 50 5.969612	- 27 20 2.28394	- 1.27	+ 4.05	
2523	32864	RS		6 50 57.089509	+ 67 34 18.96377	+ 0.90	+ 4.66	
4625	32880	FX		6 51 5.702609	- 34 16 35.77425	- 3.51	+ 10.71	
4626	32883	FX		6 51 7.089451	- 47 19 33.77188	- 12.19	+ 42.26	
3949	32948	BX		6 51 47.278469	+ 86 41 3.63457	+ 0.10	- 104.55	
4627	32964	FX		6 51 58.198517	+ 25 39 46.80134	- 12.54	+ 8.61	
2532	33092	BX		6 53 32.907191	- 20 13 27.31453	- 5.41	+ 3.96	
2534	33189	BX		6 54 26.683510	- 42 21 56.05579	- 1.49	+ 19.84	
4628	33308	FX	15 CMa	6 55 42.503528	- 80 50 16.74969	+ 38.33	+ 26.66	
4629	33331	FX		6 55 56.196345	+ 27 17 9.10696	- 7.17	- 6.76	
2536	33347	RS		ι CMa	6 56 8.224644	- 17 3 15.26701	- 2.76	+ 2.44
2545	33384	BX		ϑ Men	6 56 34.475265	- 79 25 12.69572	- 1.60	- 1.70
4630	33440	FX		6 57 11.608241	- 55 54 54.33555	- 1.27	- 1.18	
2537	33485	BX	16 Lyn	6 57 37.107227	+ 45 5 38.73667	- 21.47	- 3.51	
2538	33614	BX	62 Aur	6 59 2.847050	+ 38 3 8.34729	- 41.88	- 122.07	
4631	33647	FX	19 Mon	6 59 22.846179	+ 20 26 41.58326	- 17.91	- 9.42	
4632	33655	FX		6 59 29.831205	+ 33 33 18.53384	- 4.95	+ 1.14	
2539	33672	RS		6 59 44.435166	+ 52 34 20.74683	- 11.14	- 17.99	
2546	33800	BX		7 1 5.113379	- 58 56 23.77283	- 56.98	+ 147.88	
2542	33880	RS		7 1 56.931393	+ 63 40 36.93322	- 3.33	- 18.17	
4633	33881	FX		7 1 57.131037	- 17 38 39.58011	- 2.52	- 20.49	
4634	33913	FX		7 2 17.050067	+ 51 34 4.97415	- 29.29	- 62.11	
2547	33971	BX		7 2 54.777514	- 4 14 21.23288	- 3.32	+ 2.77	
4635	34001	FX		7 3 16.508666	+ 46 7 12.57199	- 14.97	- 30.52	
4636	34049	FX		7 3 47.512301	- 1 5 58.72611	- 0.99	- 4.17	
4637	34056	FX	7 3 52.306449	+ 5 51 39.26632	+ 0.48	- 5.72		
4638	34204	FX	7 5 33.197100	- 14 52 19.39019	+ 14.88	- 8.66		
4640	34242	FX	7 5 56.797745	+ 39 51 43.94290	+ 3.49	- 12.34		
4641	34250	FX	7 6 1.235251	+ 59 48 6.66350	+ 21.36	- 2.56		
4642	34308	FX	7 6 47.428186	- 67 0 58.42593	+ 2.67	- 25.36		
4643	34337	FX	7 7 5.612244	+ 9 52 45.49442	+ 20.99	- 20.79		
4644	34381	FX	7 7 42.673562	- 76 2 57.16908	+ 3.78	- 21.36		
2548	34416	BX	7 8 6.309319	+ 44 2 23.94141	+ 6.63	- 5.20		

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4613	91.18	0.55	0.56	91.21	0.49	0.53	3.31	0.54	H		6.95		11	1	3
2518	91.19	0.79	0.55	91.52	0.39	0.49	5.72	0.84	H	+ 15.6	5.42		29	2	
4614	91.12	0.54	0.57	91.46	0.54	0.59	12.43	0.60	H		7.60		25	2	
4615	91.08	0.88	0.70	91.49	0.42	0.52	3.12	0.94	H		6.51		11	1	3
4617	91.14	0.61	0.62	91.20	0.65	0.70	3.50	0.67	H		8.56		11	1	3
2521	91.58	0.62	0.62	91.57	0.44	0.49	6.09	0.71	H	+ 17.	5.66		18		
4618	91.26	0.55	0.53	90.99	0.64	0.69	3.84	0.75	H		7.95		11	1	3
2520	90.85	0.62	0.40	91.44	0.47	0.42	15.69	0.74	H	+ 19.0	5.34		11	1	3
4619	91.41	0.90	0.84	91.49	0.68	0.73	3.74	1.11	H		8.36		11	1	3
2524	91.02	0.45	0.49	91.31	0.45	0.50	5.45	0.49	H	+ 35.	5.60	2	18		
4620	91.29	0.74	0.72	91.46	0.49	0.54	1.50	0.35	P		7.03		11	1	3
4621	91.88	0.94	0.71	91.89	0.63	0.70	3.85	1.17	H	+ 25.2	9.02		15	1	3
2525	90.99	0.82	0.70	91.46	0.44	0.51	10.63	0.87	H	- 16.0	5.72		31		
2529	91.41	0.48	0.55	91.25	0.46	0.61	39.66	0.53	H	+ 20.1	5.14		11	1	3
4622	91.56	0.69	0.61	91.58	0.50	0.53	.92	0.21	P	+ 9.9	7.55	1	19	1	1
2531	91.86	0.43	0.40	91.25	0.48	0.52	3.11	0.53	H		6.99		11	1	3
4624	91.33	0.62	0.64	91.28	0.73	0.81	5.04	0.78	H		8.36		11	1	3
2528	91.24	0.46	0.57	91.27	0.52	0.60	1.20	0.17	P	+ 34.4	7.05	1	19	1	1
2523	91.63	0.37	0.33	91.45	0.38	0.35	3.76	0.61	H	+ 3.2	5.14		39		
4625	91.29	0.54	0.62	91.02	0.60	0.72	1.88	0.81	H		7.91		31		
4626	91.21	0.60	0.74	91.46	0.60	0.68	5.66	0.71	H	+ 31.3	7.30		31		
3949	91.20	0.45	0.38	91.13	0.47	0.45	7.51	0.55	H	+ 25.7	6.59		11	1	3
4627	91.19	0.92	0.61	91.51	0.46	0.58	7.18	1.01	H	- 11.4	6.75		31		
2532	91.14	0.43	0.47	91.48	0.40	0.44	1.30	0.18	P	+ 28.0	4.82	1	19	1	1
2534	91.21	0.50	0.48	91.41	0.54	0.60	2.39	0.62	H	+ 32.6	6.32	2	13		
4628	91.27	0.55	0.64	91.17	0.50	0.55	4.62	0.57	H		7.75		11	1	3
4629	91.16	0.95	0.74	91.52	0.49	0.54	2.37	0.99	H		7.21		11	1	3
2536	91.09	0.45	0.37	91.32	0.47	0.39	1.00	0.14	P	+ 41.2	4.36		11	1	3
2545	91.21	0.46	0.42	91.37	0.44	0.41	9.17	0.48	H	+ 6.	5.45		11	1	3
4630	91.13	0.74	0.81	91.21	0.67	0.80	1.83	0.76	H		8.59		11	1	3
2537	91.19	0.62	0.51	91.54	0.40	0.45	14.49	0.69	H	- 8.	4.90		19	1	1
2538	91.10	0.83	0.55	91.53	0.47	0.47	5.41	0.98	H	+ 25.0	6.02		19	1	1
4631	91.42	1.08	0.73	91.56	0.61	0.75	3.79	1.15	H		8.09		33		
4632	91.13	1.24	0.91	91.48	0.73	0.78	1.48	1.40	H		8.72		11	1	3
2539	91.30	0.72	0.67	91.57	0.48	0.54	2.77	0.83	H		6.66		11	1	3
2546	91.13	0.43	0.46	91.17	0.45	0.50	18.65	0.46	H	+ 10.0	6.01		31		
2542	91.12	0.57	0.64	91.40	0.48	0.51	3.18	0.76	H		6.61		11	1	3
4633	91.19	0.56	0.62	91.31	0.59	0.60	4.78	0.80	H		7.28		11	1	3
4634	91.26	0.71	0.62	91.45	0.50	0.54	5.80	0.87	H		7.51		11	1	3
2547	91.80	0.70	0.53	91.77	0.46	0.47	1.80	0.25	P	+ 24.8	4.99	1	39		
4635	91.06	1.14	0.83	91.47	0.74	0.70	1.81	1.30	H		9.00		11	1	3
4636	91.54	0.95	0.75	91.58	0.73	0.75	2.40	0.33	P	+ 33.9	8.89	2	15	1	3
4637	91.58	0.80	0.74	91.54	0.52	0.62	2.54	1.03	H	+ 3.8	8.36		13		
4638	91.00	0.63	0.62	91.28	0.64	0.64	4.28	0.95	H		7.68		11	1	3
4640	91.06	1.32	0.82	91.47	0.82	0.76	4.04	1.51	H	- 23.3	8.95		31		
4641	90.91	0.50	0.45	91.36	0.38	0.39	9.33	0.74	H	+ 22.2	6.40		11	1	3
4642	91.87	0.43	0.40	91.27	0.48	0.55	4.36	0.51	H		7.30		11	1	3
4643	91.37	0.79	0.73	91.46	0.48	0.56	7.12	0.98	H		7.89		15	1	3
4644	91.50	0.57	0.63	91.44	0.51	0.55	2.50	0.58	H		7.67		21	2	
2548	91.30	0.74	0.50	91.57	0.45	0.47	5.56	0.88	H		6.84		21	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4613	+ 0.42	- 0.05	- 0.14	+ 3.95	+ 0.43	+ 0.87	- 0.15	- 0.38	+ 2.18	+ 2.20
2518	+ 0.89	- 1.56	- 2.47	+ 3.86	+ 0.49	- 0.78	+ 0.22	+ 0.24	- 2.30	- 0.70
4614	+ 2.32	- 0.43	- 0.68	+ 4.98	+ 3.13	- 0.54	+ 0.16	+ 0.27	+ 0.21	- 1.47
4615	+ 0.24	- 0.28	- 0.68	- 1.32	+ 0.82	- 0.48	+ 0.15	+ 0.24	+ 0.15	- 1.03
4617	- 0.28	+ 0.08	+ 0.20	- 0.79	- 0.70	+ 0.00	- 0.01	- 0.01	- 3.06	+ 0.73
2521	- 1.13	+ 0.59	+ 1.00	- 3.99	- 1.41	+ 0.34	- 0.05	- 0.08	+ 1.82	+ 0.26
4618	+ 0.07	+ 0.00	+ 0.01	- 3.95	+ 1.68	- 0.31	+ 0.12	+ 0.30	- 0.18	- 0.92
2520	- 0.05	- 0.05	- 0.05	- 0.82	+ 0.33	+ 0.50	- 0.24	- 0.28	+ 0.59	+ 0.58
4619	- 0.15	+ 0.03	+ 0.10	- 3.28	+ 0.58	+ 0.37	- 0.11	- 0.32	+ 1.53	+ 0.89
2524	- 0.31	+ 0.05	+ 0.09	+ 0.58	- 1.11	- 0.34	+ 0.07	+ 0.12	- 0.03	- 0.86
4620	+ 0.32	- 0.10	- 0.60	+ 0.04	+ 2.52	- 0.20	+ 0.04	+ 0.24	- 3.45	- 0.29
4621	- 0.40	+ 0.52	+ 1.16	- 2.80	- 0.57	- 0.33	+ 0.02	+ 0.00	- 0.04	- 0.78
2525	+ 0.94	- 1.38	- 2.09	+ 2.74	+ 1.15	+ 0.23	- 0.29	- 0.46	+ 3.71	- 0.55
2529	+ 0.11	- 0.04	- 0.05	- 0.01	+ 0.21	- 0.84	+ 0.25	+ 0.31	- 1.37	- 0.96
4622	+ 0.26	- 0.14	- 0.75	+ 0.35	+ 1.55	+ 0.09	- 0.04	- 0.24	+ 3.37	+ 0.14
2531	- 0.07	+ 0.01	+ 0.04	+ 3.69	- 2.15	+ 0.55	- 0.06	- 0.21	- 1.94	+ 3.44
4624	- 0.61	+ 0.12	+ 0.36	- 0.98	- 2.23	+ 0.93	- 0.26	- 0.78	+ 3.45	+ 2.73
2528	- 0.25	+ 0.03	+ 0.24	- 5.22	- 0.97	+ 0.08	- 0.02	- 0.09	- 1.40	+ 1.06
2523	- 0.06	+ 0.03	+ 0.03	+ 2.75	- 0.73	+ 0.34	- 0.05	- 0.08	- 2.17	+ 1.41
4625	- 0.11	+ 0.04	+ 0.19	+ 2.87	- 1.92	- 0.86	+ 0.26	+ 1.22	- 8.79	- 2.68
4626	- 0.45	+ 0.12	+ 0.29	+ 1.12	- 1.68	- 0.21	+ 0.05	+ 0.09	+ 2.42	- 1.04
3949	- 0.18	+ 0.03	+ 0.02	- 0.83	- 0.05	+ 0.80	- 0.49	- 0.63	- 1.74	+ 1.52
4627	+ 0.15	- 0.38	- 0.62	+ 1.74	+ 0.11	+ 1.41	- 1.18	- 1.73	+ 4.56	+ 1.83
2532	- 0.32	+ 0.07	+ 0.27	- 3.76	- 0.54	- 0.11	+ 0.03	+ 0.11	- 0.38	- 0.58
2534	- 0.35	+ 0.08	+ 0.21	+ 0.03	- 1.32	+ 0.18	- 0.08	- 0.22	- 2.90	+ 1.77
4628	+ 0.66	- 0.07	- 0.21	+ 0.01	+ 2.59	+ 0.84	- 0.06	- 0.19	+ 1.14	+ 2.99
4629	- 0.22	+ 0.17	+ 0.49	+ 0.06	- 0.71	+ 0.41	- 0.07	- 0.14	+ 5.28	+ 0.43
2536	+ 0.01	+ 0.09	+ 0.30	+ 0.60	- 0.23	+ 0.23	- 0.20	- 0.53	- 0.04	+ 0.71
2545	- 0.32	+ 0.04	+ 0.06	+ 1.52	- 1.39	- 0.41	+ 0.07	+ 0.09	+ 1.12	- 1.11
4630	- 0.30	+ 0.06	+ 0.41	- 2.52	- 1.77	- 0.14	+ 0.02	+ 0.13	+ 1.68	- 1.74
2537	+ 0.13	- 0.17	- 0.20	+ 0.37	+ 0.08	- 0.93	+ 0.27	+ 0.33	- 1.18	- 1.12
2538	+ 0.00	- 0.44	- 0.98	- 0.53	+ 0.40	+ 0.27	- 0.35	- 0.62	+ 0.52	+ 0.37
4631	+ 0.06	- 0.12	- 0.31	- 3.92	+ 0.69	+ 1.01	- 0.85	- 2.05	- 1.77	+ 3.04
4632	+ 0.07	- 0.17	- 1.31	- 2.29	+ 0.93	- 0.08	+ 0.04	+ 0.07	- 0.38	- 0.30
2539	- 0.42	+ 0.34	+ 0.86	+ 1.52	- 1.65	- 0.08	+ 0.07	+ 0.21	+ 2.32	- 0.97
2546	- 0.46	+ 0.07	+ 0.09	- 3.46	+ 0.62	+ 0.14	- 0.05	- 0.06	- 2.26	+ 1.01
2542	+ 0.63	- 0.26	- 0.63	+ 0.00	+ 1.88	- 0.53	+ 0.04	+ 0.14	- 1.45	- 1.76
4633	+ 0.07	- 0.11	- 0.27	+ 1.20	+ 0.07	- 0.96	+ 0.28	+ 0.60	- 2.91	- 1.88
4634	- 0.05	+ 0.03	+ 0.05	- 4.25	+ 0.28	+ 0.09	- 0.03	- 0.05	- 0.32	+ 0.20
2547	+ 0.62	- 0.57	- 1.41	+ 1.81	+ 1.51	- 0.30	+ 0.02	+ 0.04	+ 0.40	- 1.03
4635	+ 0.09	- 0.18	- 0.89	+ 3.63	+ 0.03	+ 0.01	+ 0.03	+ 0.14	+ 3.27	- 0.53
4636	- 0.07	+ 0.13	+ 0.47	+ 0.17	- 0.31	- 0.10	+ 0.08	+ 0.31	+ 0.08	- 0.58
4637	- 0.13	+ 0.11	+ 0.37	- 3.69	+ 0.06	- 0.20	+ 0.08	+ 0.24	- 3.74	- 0.19
4638	+ 0.37	- 0.39	- 0.84	+ 0.55	+ 0.81	- 0.41	+ 0.33	+ 0.74	- 4.14	- 0.37
4640	+ 0.18	- 0.48	- 1.53	+ 0.60	+ 0.48	- 0.90	+ 0.84	+ 1.87	- 7.85	- 1.05
4641	- 0.52	+ 0.52	+ 0.64	- 3.72	- 0.37	+ 0.74	- 0.26	- 0.32	- 2.59	+ 1.27
4642	+ 0.69	- 0.04	- 0.11	+ 2.95	+ 1.55	+ 0.37	- 0.04	- 0.11	- 1.94	+ 1.80
4643	- 0.63	+ 0.64	+ 1.13	+ 2.34	- 1.79	- 0.19	+ 0.19	+ 0.33	- 0.85	- 0.25
4644	- 1.17	+ 0.26	+ 0.99	+ 4.97	- 6.17	+ 0.51	- 0.13	- 0.52	+ 1.48	+ 2.45
2548	+ 0.78	- 1.66	- 2.47	+ 0.53	+ 1.55	+ 0.42	- 0.30	- 0.45	+ 1.28	+ 0.36

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
4613	0.95	0.58	0.61	3.23	1.52	0.94	0.55	0.58	3.14	1.48	1.48	1.68	0.27	0.99	0.72	
2518	0.65	0.83	0.96	1.35	0.78	0.73	0.60	0.64	1.71	0.90	4.14	2.64	3.03	2.32	1.17	t
4614	1.23	0.60	0.62	2.80	1.72	1.41	0.61	0.63	3.59	2.08	1.97	2.22	3.77	0.69	0.58	t
4615	0.78	0.91	1.19	2.53	0.95	0.76	0.59	0.67	2.82	0.98	0.23	1.60	0.90	0.89	0.42	
4617	0.97	0.65	0.70	3.09	1.49	1.01	0.74	0.81	3.24	1.57	0.97	0.69	1.40	1.05	0.63	
2521	0.93	0.71	0.77	2.38	1.20	1.00	0.51	0.53	2.71	1.38	2.11	1.71	1.07	1.10	1.38	t
4618	0.98	0.54	0.57	2.69	1.63	0.98	0.75	0.82	2.83	1.44	1.45	1.23	0.76	1.80	0.45	
2520	0.54	0.67	0.70	0.97	0.57	0.73	0.50	0.51	1.53	0.83	0.84	0.98	0.92	1.02	0.26	
4619	1.14	0.89	0.99	3.14	1.91	1.06	0.78	0.85	3.02	1.68	0.67	1.19		1.07	0.99	
2524	1.00	0.51	0.53	2.32	1.55	0.99	0.53	0.55	2.42	1.45	0.21	0.98	0.85	0.67	0.70	t
4620	0.91	0.74	0.82	2.95	1.75	0.83	0.55	0.58	3.02	1.76	1.22	1.63	1.53	1.16	1.87	
4621	0.82	0.90	1.12	2.45	1.00	0.96	0.79	0.90	2.92	1.32	1.33	1.47		0.88	1.04	t
2525	0.90	0.97	1.08	2.04	1.03	1.11	0.56	0.58	2.71	1.45	2.54	2.18	1.79	1.55	0.42	t
2529	1.21	0.60	0.61	2.40	1.47	1.21	0.67	0.69	2.51	1.48	0.64	0.79	0.74	0.16	0.72	
4622	0.71	0.64	0.75	3.03	1.12	0.70	0.55	0.60	3.22	1.29	1.72	1.16		1.00	2.41	t
2531	1.03	0.40	0.41	3.53	2.33	1.02	0.53	0.55	3.32	2.02	1.15	1.97	1.38	1.96	1.15	
4624	1.24	0.65	0.68	4.15	2.22	1.25	0.85	0.91	4.02	2.07	1.07	1.89	1.33	0.31	1.16	
2528	0.80	0.57	0.61	4.02	1.68	0.82	0.61	0.65	3.51	1.75	1.39	0.92	2.09	1.16	0.72	t
2523	0.60	0.37	0.38	1.55	0.71	0.82	0.36	0.37	2.22	1.16	1.94	1.56	1.89	2.49	2.43	t 3010
4625	0.91	0.63	0.67	3.01	1.85	0.94	0.74	0.82	3.13	1.72	3.22	2.30	2.27	2.18	0.98	
4626	1.18	0.79	0.84	3.59	1.80	1.12	0.72	0.76	3.63	1.62	0.67	1.19	1.02	1.12	3.00	
3949	0.59	0.47	0.49	1.37	0.66	0.69	0.54	0.57	1.93	0.78	0.80	2.23	2.06	1.65	0.69	
4627	0.70	0.96	1.13	2.47	0.77	0.79	0.72	0.78	2.82	0.90	2.32	3.03	1.65	1.12	1.36	
2532	0.71	0.49	0.52	2.41	1.33	0.72	0.45	0.47	2.71	1.46	1.64	0.72	0.47	1.17		t
2534	0.83	0.50	0.53	2.35	1.39	0.87	0.63	0.68	2.51	1.45	1.03	1.59	0.74	1.68	0.43	t
4628	1.20	0.65	0.68	4.16	2.13	1.18	0.56	0.58	4.07	2.16	0.33	1.91	2.08	0.68	1.37	
4629	0.83	0.88	1.15	2.70	1.07	0.80	0.59	0.68	3.22	1.16	1.66	0.96	1.03	1.44	0.96	
2536	0.44	0.46	0.57	1.06	0.57	0.48	0.45	0.55	1.42	0.65	0.42	1.51	2.32	0.84	1.94	
2545	1.01	0.44	0.45	2.09	1.39	0.93	0.43	0.44	2.14	1.20	0.83	1.38	1.01	1.47	0.33	
4630	1.04	0.82	0.90	3.74	2.18	1.03	0.81	0.89	3.53	2.09	0.87	1.25	2.46	0.85	1.79	
2537	0.70	0.80	0.85	1.43	0.71	0.89	0.50	0.51	1.72	1.11	0.91	1.23	0.98	0.18	1.02	t
2538	0.61	1.03	1.37	1.11	0.75	0.65	0.64	0.75	1.52	0.77	0.68	1.10	1.83	0.70	0.07	t
4631	0.79	1.01	1.34	2.57	0.93	0.92	0.87	1.01	3.21	1.18	3.34	1.25		2.20	0.56	t
4632	0.93	1.05	1.76	3.03	1.14	0.86	0.85	1.12	3.03	1.19	1.14	0.31		0.99	0.89	
2539	0.84	0.76	0.88	2.67	1.13	0.92	0.56	0.59	3.21	1.53	0.68	1.86	0.55	1.43	1.01	
2546	1.11	0.49	0.50	2.27	1.41	1.10	0.54	0.55	2.42	1.35	1.77	0.82	3.07	1.93	0.27	
2542	0.90	0.69	0.76	3.01	1.28	1.01	0.52	0.54	3.91	1.81	0.45	1.98	1.48	0.58	1.05	
4633	1.05	0.66	0.70	3.46	1.55	1.00	0.64	0.69	3.32	1.40	1.59	1.11		0.41	0.58	
4634	0.79	0.80	0.90	3.12	0.90	0.90	0.60	0.64	3.53	1.10	1.33	0.26	1.10	1.40	1.04	
2547	0.65	0.62	0.74	1.68	0.86	0.72	0.49	0.53	2.21	1.12	1.76	2.74	2.29	0.60		t
4635	0.87	0.97	1.41	2.95	1.09	0.82	0.77	0.94	2.93	1.13	0.66	1.73		1.66	0.53	
4636	0.82	0.90	1.20	2.74	1.03	0.96	0.80	0.93	2.92	1.52	0.66	0.12		0.26	0.31	t
4637	0.89	0.83	0.99	3.16	1.22	0.90	0.65	0.71	3.62	1.37	0.33	1.62		1.44	1.01	t
4638	0.82	0.74	0.84	2.93	1.02	0.94	0.71	0.80	2.92	1.30	1.66	1.35	1.81	1.18	0.57	
4640	0.84	1.28	2.24	2.58	0.94	0.90	0.92	1.15	2.73	1.14	2.20	3.41		2.30	0.96	
4641	0.63	0.60	0.63	2.27	0.68	0.75	0.43	0.44	2.74	0.84	2.02	1.98	1.65	1.95	1.27	
4642	1.08	0.40	0.41	3.68	1.89	1.11	0.56	0.58	3.74	1.90	0.96	1.29	1.37	0.95	0.98	
4643	0.94	0.91	1.02	2.70	1.15	0.93	0.63	0.67	2.72	1.16	1.91	0.60		1.42	0.66	t
4644	0.97	0.65	0.69	4.18	1.70	0.97	0.56	0.59	4.15	1.86	1.06	4.15	1.70	2.48	2.69	
2548	0.60	0.76	0.86	1.14	0.73	0.74	0.54	0.57	1.52	0.97	2.34	3.61	2.50	0.91	1.28	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2549	34428	BX		7 8 13.272563	+ 33 49 56.59511	- 7.73	- 28.42
2551	34495	BX		7 8 51.068101	- 39 39 20.36279	- 10.90	+ 7.16
4645	34531	FX		7 9 18.951049	+ 30 8 51.66624	+ 7.01	- 26.23
4646	34554	FX		7 9 30.522389	- 79 25 55.12472	- 3.69	+ 16.14
4648	34604	FX		7 10 4.340193	+ 12 32 53.13952	+ 5.15	- 9.45
2554	34670	RS		7 10 47.483272	- 48 55 55.55496	- 17.42	+ 196.85
4649	34704	FX		7 11 15.383231	+ 24 39 49.53133	+ 4.95	- 6.64
2553	34722	BX	47 Gem	7 11 23.066952	+ 26 51 23.70962	- 20.00	- 34.15
2556	34758	RS		7 11 41.605254	- 20 52 59.02672	- 8.98	+ 21.66
4651	34791	FX		7 12 10.088278	- 30 16 54.01838	- 3.95	+ 22.98
2557	34888	RS		7 13 7.194002	- 11 15 4.82804	- 2.37	+ 8.01
2555	34912	BX		7 13 23.400081	+ 51 25 43.47640	+ 7.12	+ 12.68
2550	34952	RS		7 13 55.114089	+ 78 45 8.82854	+ 9.86	+ 29.37
2552	34956	BX		7 13 58.035924	+ 71 48 59.70531	+ 23.56	+ 18.78
4652	34965	FX		7 14 3.311023	+ 4 34 40.65057	+ 21.48	- 18.38
2560	34992	RS		7 14 22.503170	- 61 4 11.24184	- 114.59	+ 16.77
2559	35005	BX		7 14 32.620461	+ 12 6 56.96309	- 50.08	- 17.63
2558	35146	BX	18 Lyn	7 15 54.903771	+ 59 38 14.88256	- 100.61	- 258.51
4654	35158	FX		7 15 59.846949	- 54 57 41.75632	+ 6.42	+ 30.92
2561	35180	RS		7 16 14.552999	- 15 35 8.48668	- 45.16	- 14.76
2562	35205	RS		7 16 34.993152	- 27 52 52.24444	- 12.54	+ 38.72
4655	35230	FX		7 16 53.086912	- 9 43 51.91587	- 3.15	+ 2.00
4656	35265	FX		7 17 9.531732	+ 33 5 31.39784	- 59.45	- 172.95
2563	35345	RS		7 18 4.090783	+ 30 57 21.13709	- 5.00	- 22.79
4657	35376	FX		7 18 28.584338	- 41 57 30.85569	+ 4.89	- 5.67
4658	35450	FX		7 19 8.576327	- 38 2 16.78358	- 7.43	+ 37.87
2566	35463	BX		7 19 13.685268	- 33 43 37.79660	- 15.23	- 8.12
2564	35476	BX		7 19 22.371307	+ 2 44 26.49216	- 1.35	- 11.38
4660	35507	FX		7 19 45.638892	- 15 15 38.00822	- 7.47	+ 2.61
2565	35509	RS		7 19 47.645111	+ 7 8 34.61129	+ 60.43	- 59.15
4662	35623	FX		7 21 3.098753	+ 42 39 21.28351	- 17.71	- 35.95
4663	35629	FX		7 21 7.545229	- 2 23 48.96429	- 2.93	+ 1.19
2567	35643	RS		7 21 17.498866	+ 45 13 41.51194	- 48.95	+ 11.24
2569	35669	RS		7 21 34.630850	- 5 53 49.87123	- 2.66	+ 3.11
2570	35727	RS		7 22 13.529115	- 19 0 59.76437	- 1.49	- 6.91
4665	35831	FX		7 23 21.301738	- 4 25 56.75792	- 1.99	+ 2.44
4666	35868	FX		7 23 41.603306	+ 54 5 30.02585	- 4.06	- 30.29
2573	35910	BX		7 24 9.385485	- 58 29 31.01548	- 87.99	+ 137.46
2576	35946	RS		7 24 37.127558	- 71 28 14.36234	+ 7.63	+ 41.24
4668	35999	FX		7 25 9.125654	- 70 24 13.77589	+ 11.59	+ 13.22
2574	36024	BX		7 25 25.267933	- 25 13 3.95685	- 8.54	- 0.53
2583	36039	BX	ϵ Men	7 25 38.097927	- 79 5 39.08126	- 29.37	+ 5.51
2575	36114	RS		7 26 21.850607	- 51 1 6.53090	- 5.48	+ 6.24
2572	36145	RS	21 Lyn	7 26 42.851442	+ 49 12 41.49465	- 10.63	- 48.81
4669	36161	FX		7 26 58.292079	+ 23 55 39.67233	- 13.82	- 2.79
4670	36169	FX		7 26 59.938219	- 59 34 43.17385	+ 13.04	+ 24.45
2571	36211	RS		7 27 25.836387	+ 66 19 53.65281	- 4.69	- 29.37
4671	36259	FX		7 27 59.235181	- 47 6 27.02254	- 23.19	+ 58.20
2584	36346	RS		7 28 51.408162	- 64 30 35.29816	+ 4.90	- 8.63
2578	36388	RS		7 29 18.668259	- 1 54 19.18374	- 12.16	- 8.96

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2549	91.06	0.92	0.47	91.47	0.47	0.45	3.88	0.97	H	- 2.9	6.31		11	1	3
2551	91.18	0.37	0.38	91.01	0.42	0.47	4.34	0.49	H	+ 19.5	4.83		19	1	1
4645	91.10	1.08	0.66	91.56	0.50	0.58	5.49	1.12	H		7.28		11	1	3
4646	91.24	0.54	0.52	91.36	0.54	0.57	2.60	0.58	H		7.81		31		
4648	91.46	1.39	0.95	91.40	0.81	0.78	3.10	1.51	H		9.16		11	1	3
2554	91.25	0.43	0.49	91.35	0.43	0.45	10.43	0.49	H	+ 63.6	5.12		11	1	3
4649	91.51	1.06	0.72	91.63	0.43	0.66	1.77	1.08	H		7.97	2	13		
2553	91.09	0.75	0.45	91.50	0.34	0.38	8.36	0.80	H	+ 38.5	5.75		15	1	3
2556	91.32	0.44	0.49	91.34	0.45	0.54	6.67	0.64	H	+ 18.	5.84		18		
4651	91.13	0.64	0.70	91.25	0.82	0.99	2.95	0.68	P		8.49		11	1	3
2557	91.54	0.67	0.66	91.57	0.49	0.54	4.93	0.81	H	+ 9.1	5.77		11	1	3
2555	91.53	0.59	0.46	91.85	0.43	0.44	4.22	0.76	H	- 52.8	5.46	2	33		
2550	91.31	0.52	0.51	91.22	0.52	0.59	10.22	0.72	H		6.93	1	31		
2552	90.99	0.33	0.34	91.14	0.47	0.47	8.24	0.66	H	- 67.5	6.36		31		
4652	91.57	0.89	0.62	91.59	0.52	0.55	4.54	1.07	H		7.55		11	1	3
2560	91.15	0.52	0.53	91.21	0.55	0.65	16.50	0.57	H	+ 8.7	7.17		11	1	3
2559	91.36	0.68	0.46	91.53	0.38	0.42	9.85	0.85	H	+ 29.8	5.71		15	1	3
2558	90.89	0.53	0.44	91.42	0.41	0.42	16.88	0.76	H	+ 24.4	5.20		11	1	3
4654	91.23	0.63	0.71	91.32	0.55	0.62	6.09	0.63	H		7.37		11	1	3
2561	91.26	0.55	0.53	91.26	0.52	0.60	11.79	0.85	H	+ 7.0	5.46		39		
2562	91.15	0.36	0.42	91.40	0.42	0.48	7.20	0.57	H	+ 41.5	4.66	1	33		
4655	91.51	0.78	0.74	91.68	0.60	0.59	2.77	0.97	H		7.76		15	1	3
4656	90.97	0.93	0.83	91.31	0.63	0.56	36.50	1.06	H	+ 22.6	6.93		31		
2563	91.07	0.97	0.75	91.46	0.55	0.48	5.33	1.04	H	+ 27.	6.19		19	1	1
4657	91.35	0.57	0.52	91.40	0.68	0.60	3.86	0.74	H		8.15		11	1	3
4658	91.26	0.45	0.47	91.13	0.49	0.52	5.44	0.60	H		7.02		21	2	
2566	91.02	0.45	0.47	91.06	0.50	0.62	4.44	0.65	H	- 2.3	6.31		11	1	3
2564	91.62	0.71	0.46	91.72	0.40	0.38	6.27	0.85	H	+ 23.7	5.90		11	1	3
4660	91.38	0.74	0.72	91.45	0.71	0.72	.84	0.19	P	+ 20.0	8.37		11	1	3
2565	91.58	0.66	0.62	91.59	0.39	0.48	16.86	0.83	H	+ 22.1	5.91		11	1	3
4662	91.10	0.92	0.67	91.70	0.42	0.45	4.05	0.94	H	+ 45.8	6.33		11	1	3
4663	91.65	1.06	0.72	91.61	0.68	0.67	1.64	1.35	H		8.93		11	1	3
2567	91.13	0.68	0.51	91.47	0.41	0.44	28.99	0.74	H	+ 21.	5.74	1	21	2	
2569	91.44	0.73	0.63	91.56	0.44	0.47	1.70	0.23	P	+ 17.0	6.60	2	31		
2570	91.29	0.46	0.50	91.38	0.47	0.55	6.31	0.69	H	+ 27.7	4.94		11	1	3
4665	91.54	0.94	1.02	91.62	0.64	0.72	.63	1.16	H		8.69	2	11	1	3
4666	91.31	0.85	0.63	91.51	0.67	0.58	4.49	1.00	H		8.40	1	11	1	3
2573	91.17	0.49	0.50	91.51	0.49	0.50	20.61	0.53	H	+ 19.7	6.58		15	1	3
2576	91.50	0.48	0.51	91.25	0.43	0.45	12.90	0.49	H		6.49		21	2	
4668	91.44	0.68	0.70	91.27	0.56	0.58	6.85	0.65	H		7.75		11	1	3
2574	91.16	0.30	0.33	91.29	0.48	0.57	3.40	0.47	H	+ 23.7	5.79	1	18		
2583	91.24	0.44	0.42	91.43	0.43	0.43	6.99	0.48	H	+ 10.5	5.54		11	1	3
2575	91.26	0.41	0.45	91.33	0.43	0.45	5.80	0.47	H	+ 7.8	5.09		31		
2572	91.42	0.62	0.60	91.79	0.46	0.52	13.11	0.79	H	+ 26.7	4.61		19	1	1
4669	91.22	1.23	0.71	91.36	0.86	0.59	.56	1.50	H		8.84		15	1	3
4670	91.14	0.54	0.55	91.56	0.62	0.58	5.80	0.62	H		7.81		11	1	3
2571	91.26	0.52	0.46	91.32	0.44	0.55	3.65	0.74	H	+ 5.2	6.47		29	2	
4671	91.27	0.60	0.58	91.28	0.52	0.51	4.38	0.64	H		7.65		11	1	3
2584	91.19	0.47	0.50	91.44	0.46	0.48	4.79	0.49	H	+ 13.4	6.38		25	2	
2578	91.21	0.77	0.58	91.59	0.42	0.41	2.00	0.94	H	- 4.9	5.60		19	1	1

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2549	+ 0.01	- 0.05	- 0.03	- 1.02	+ 0.44	- 0.29	+ 0.16	+ 0.26	- 1.60	- 0.02
2551	+ 0.18	- 0.05	- 0.07	+ 0.22	+ 0.32	+ 0.21	- 0.10	- 0.15	- 3.07	+ 1.40
4645	- 0.11	+ 0.25	+ 0.48	+ 1.72	- 0.38	+ 0.35	- 0.14	- 0.19	- 4.48	+ 1.38
4646	- 0.02	+ 0.03	+ 0.11	+ 3.08	- 0.76	+ 0.92	- 0.14	- 0.50	- 5.03	+ 5.20
4648	- 0.01	+ 0.00	+ 0.00	- 5.21	+ 0.85	+ 0.23	- 0.16	- 0.47	+ 2.92	+ 0.39
2554	- 0.83	+ 0.13	+ 0.18	+ 0.72	- 1.99	- 0.78	+ 0.08	+ 0.12	- 2.67	- 0.66
4649	- 0.05	- 0.13	- 1.16	+ 2.71	- 0.27	+ 0.49	- 0.35	- 1.41	+ 3.82	+ 1.32
2553	+ 0.13	- 0.44	- 0.57	- 0.33	+ 0.42	- 0.59	+ 0.56	+ 0.65	- 1.71	- 0.43
2556	+ 1.15	- 0.19	- 0.32	+ 5.39	+ 0.94	+ 0.30	- 0.02	- 0.04	- 0.04	+ 0.72
4651	+ 0.05	+ 0.00	- 0.01	+ 3.89	- 1.43	- 0.10	+ 0.03	+ 0.17	+ 3.29	- 2.09
2557	+ 0.65	- 0.19	- 0.38	+ 0.31	+ 1.66	- 0.59	+ 0.01	+ 0.03	+ 0.37	- 2.02
2555	- 0.32	+ 0.69	+ 1.07	- 0.90	- 0.35	- 0.78	+ 0.54	+ 0.76	+ 0.19	- 1.72
2550	- 0.60	+ 0.22	+ 0.30	- 1.42	- 0.51	- 0.82	+ 0.14	+ 0.24	+ 2.20	- 2.92
2552	+ 0.32	- 0.14	- 0.17	+ 3.42	- 0.59	+ 0.21	- 0.18	- 0.24	+ 2.20	- 0.17
4652	+ 0.49	- 0.49	- 0.89	+ 1.82	+ 0.75	+ 0.93	- 0.32	- 0.58	- 0.53	+ 2.17
2560	+ 0.54	- 0.06	- 0.09	+ 1.87	+ 0.58	- 0.61	+ 0.08	+ 0.14	- 1.74	- 0.92
2559	+ 0.04	- 0.01	- 0.01	+ 0.22	- 0.03	- 0.73	+ 0.51	+ 0.61	- 0.93	- 0.87
2558	+ 0.45	- 0.40	- 0.46	+ 1.22	+ 0.20	+ 0.54	- 0.16	- 0.18	- 0.54	+ 1.13
4654	- 0.73	+ 0.11	+ 0.25	- 1.86	- 1.47	- 1.60	+ 0.33	+ 0.67	- 3.10	- 3.32
2561	- 1.84	+ 0.63	+ 0.87	- 3.61	- 2.31	- 1.23	+ 0.47	+ 0.69	+ 0.03	- 2.53
2562	- 0.13	+ 0.04	+ 0.06	+ 0.54	- 0.47	- 0.24	+ 0.07	+ 0.11	+ 5.01	- 2.24
4655	- 0.99	+ 0.23	+ 0.90	- 5.49	- 3.38	+ 0.36	+ 0.03	+ 0.11	+ 2.14	+ 0.95
4656	- 1.75	+ 0.86	+ 1.18	- 3.88	- 2.18	+ 1.72	- 0.21	- 0.26	- 2.17	+ 3.00
2563	+ 0.12	+ 0.02	+ 0.10	+ 2.08	- 0.17	- 1.58	+ 0.19	+ 0.40	- 4.79	- 2.79
4657	- 0.56	+ 0.11	+ 0.25	- 2.34	- 0.86	+ 0.69	- 0.24	- 0.53	- 3.64	+ 3.03
4658	- 1.68	+ 0.19	+ 0.39	- 1.80	- 4.19	- 1.29	+ 0.21	+ 0.42	+ 1.29	- 3.51
2566	+ 0.14	- 0.02	- 0.05	- 0.24	+ 0.47	+ 0.46	- 0.15	- 0.32	- 2.46	+ 2.22
2564	+ 0.46	- 0.62	- 0.83	+ 1.82	+ 0.20	- 0.98	+ 0.51	+ 0.63	- 0.96	- 1.30
4660	- 0.09	+ 0.03	+ 0.24	+ 0.80	- 1.45	+ 0.03	- 0.01	- 0.10	- 2.86	+ 1.12
2565	- 1.47	+ 0.58	+ 0.77	- 0.59	- 2.42	+ 0.21	- 0.02	- 0.03	- 3.01	+ 1.81
4662	- 0.04	+ 0.06	+ 0.12	+ 1.57	- 0.46	- 0.75	+ 0.21	+ 0.36	- 2.27	- 1.11
4663	- 0.09	+ 0.20	+ 0.87	- 1.54	- 0.18	+ 0.16	- 0.11	- 0.45	+ 0.39	+ 0.71
2567	+ 0.35	- 0.51	- 0.58	+ 0.61	+ 0.37	- 5.32	+ 0.70	+ 0.88	- 7.89	- 6.36
2569	- 0.65	+ 0.24	+ 0.90	- 5.05	- 1.77	+ 0.27	+ 0.00	- 0.01	- 2.53	+ 2.30
2570	- 0.03	- 0.09	- 0.17	- 3.66	+ 1.09	- 1.13	+ 0.27	+ 0.48	- 1.06	- 2.40
4665	- 0.08	+ 0.03	+ 0.40	- 0.32	- 1.35	+ 0.25	- 0.03	- 0.56	+ 3.74	+ 3.85
4666	+ 0.06	- 0.14	- 0.29	+ 0.83	+ 0.08	- 0.28	+ 0.15	+ 0.28	- 3.45	- 0.24
2573	- 0.81	+ 0.16	+ 0.20	- 1.85	- 0.72	- 0.30	+ 0.05	+ 0.06	+ 1.02	- 0.90
2576	- 0.56	+ 0.03	+ 0.06	+ 3.15	- 3.08	+ 2.12	- 0.18	- 0.29	-11.83	+ 9.82
4668	- 0.76	+ 0.16	+ 0.36	+ 0.55	- 2.22	- 0.07	+ 0.00	+ 0.00	- 3.95	+ 0.72
2574	+ 0.33	- 0.05	- 0.12	+ 2.09	+ 0.29	+ 0.46	- 0.15	- 0.36	- 1.05	+ 1.84
2583	+ 1.60	- 0.34	- 0.51	+ 2.61	+ 2.41	- 1.23	+ 0.29	+ 0.44	- 3.71	- 1.30
2575	+ 0.17	- 0.01	- 0.02	+ 2.01	- 0.44	+ 0.52	- 0.09	- 0.15	+ 3.86	- 0.10
2572	- 0.10	- 0.13	- 0.16	- 2.36	+ 1.12	- 0.42	+ 0.19	+ 0.24	- 2.46	+ 0.37
4669	- 0.05	+ 0.11	+ 1.27	- 1.37	- 0.44	+ 0.08	- 0.05	- 0.30	+ 4.39	+ 0.15
4670	+ 0.12	- 0.04	- 0.08	- 1.35	+ 0.58	- 0.46	+ 0.12	+ 0.23	- 0.18	- 1.05
2571	- 2.09	+ 0.84	+ 1.42	- 6.89	- 2.20	+ 0.32	+ 0.25	+ 0.44	- 2.53	+ 1.51
4671	+ 0.05	+ 0.00	+ 0.01	- 1.18	+ 0.42	+ 0.33	- 0.06	- 0.12	+ 4.86	- 0.46
2584	- 2.25	+ 0.17	+ 0.46	-17.20	- 2.97	- 1.51	+ 0.09	+ 0.23	- 6.55	- 3.54
2578	- 0.35	+ 0.23	+ 0.58	- 1.38	- 0.80	+ 0.32	- 0.02	- 0.04	+ 3.74	+ 0.01

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
2549	0.53	0.83	1.04	1.04	0.62	0.64	0.56	0.62	1.42	0.82	1.32	0.53	0.49	1.54	0.71	
2551	0.75	0.41	0.42	1.66	1.03	0.75	0.52	0.55	1.82	1.00	1.55	1.40	0.97	2.15	2.05	t 3011
4645	0.71	1.09	1.46	2.62	0.77	0.85	0.69	0.78	2.62	1.04	1.65	1.46	1.44	2.21	0.39	
4646	0.95	0.53	0.55	3.93	1.75	0.97	0.58	0.61	4.06	1.79	1.33	3.04	1.47	2.47	0.44	
4648	1.05	1.09	1.41	3.40	1.39	0.95	0.86	1.01	3.62	1.30	0.67	1.68		1.78	1.04	
2554	1.08	0.52	0.53	2.39	1.46	1.09	0.48	0.49	2.62	1.42	1.07	1.51	1.27	1.18	0.96	
4649	0.75	0.94	1.58	2.62	0.86	0.79	0.73	0.93	2.62	1.12	1.88	2.19		1.39	0.82	t
2553	0.53	0.80	0.88	0.99	0.61	0.54	0.51	0.53	1.22	0.60	1.79	1.67	0.49	1.15	1.18	t
2556	1.04	0.51	0.53	2.68	1.45	1.06	0.58	0.60	2.61	1.52	2.09	0.95	1.22	1.48	0.90	t
4651	1.12	0.71	0.74	3.78	2.52	1.26	1.02	1.13	3.92	2.45	0.99	1.27		1.65	0.60	
2557	1.03	0.71	0.77	2.95	1.46	1.13	0.56	0.59	3.21	1.89	0.25	1.66	0.54	0.76	0.62	
2555	0.54	0.74	0.86	1.09	0.62	0.62	0.54	0.58	1.23	0.80	1.50	2.93	1.48	1.37	0.86	t
2550	0.92	0.57	0.59	1.75	1.20	1.32	0.61	0.63	3.33	1.98	1.10	1.63	2.58	1.39	0.38	
2552	0.60	0.40	0.41	1.29	0.68	0.71	0.59	0.62	1.74	0.82	2.93	0.54	1.36	3.02	0.44	
4652	0.77	0.78	0.89	2.43	0.92	0.88	0.60	0.64	2.62	1.18	2.44	1.05		1.03	1.40	
2560	1.46	0.54	0.55	3.65	2.05	1.57	0.67	0.69	4.01	2.33	0.70	0.54	0.96	0.35	0.94	
2559	0.57	0.78	0.84	1.06	0.65	0.65	0.53	0.55	1.32	0.76	1.09	1.58	1.83	0.20	0.66	t
2558	0.65	0.61	0.63	1.20	0.73	0.84	0.47	0.48	1.64	1.01	1.25	1.37	0.84	1.13	1.08	
4654	1.17	0.75	0.80	3.31	1.75	1.11	0.66	0.69	3.33	1.62	1.27	2.46	1.70	0.12	0.80	
2561	1.02	0.59	0.61	2.47	1.23	1.14	0.66	0.68	2.71	1.48	1.77	3.00	1.92	0.95	1.22	t
2562	0.99	0.45	0.46	2.42	1.34	1.00	0.51	0.53	2.41	1.37	1.99	1.63	1.59	2.64	1.07	t
4655	1.06	0.76	0.83	3.13	1.99	1.03	0.60	0.63	3.32	2.16	2.03	2.07		0.64	2.35	t
4656	1.29	0.99	1.04	3.67	1.52	1.29	0.61	0.62	3.72	1.53	1.42	2.76	1.72	1.36	0.61	
2563	0.96	0.90	1.03	2.84	1.18	1.08	0.50	0.52	2.81	1.71	1.94	1.78	1.78	0.95	1.15	t
4657	0.93	0.54	0.57	2.49	1.46	0.92	0.65	0.70	2.53	1.35	1.56	2.45	1.48	2.38	0.54	
4658	1.09	0.48	0.49	3.11	1.73	1.06	0.54	0.56	3.32	1.55	0.74	3.48	2.69	1.47	3.18	
2566	0.94	0.49	0.51	2.39	1.44	0.98	0.66	0.71	2.51	1.47	0.82	1.60	0.62	1.63	0.43	
2564	0.59	0.66	0.71	1.24	0.69	0.62	0.44	0.46	1.42	0.73	2.14	2.47	1.71	1.16	0.73	
4660	0.85	0.73	0.80	3.64	1.87	0.85	0.73	0.81	3.52	1.80	1.03	0.78		1.15	1.62	
2565	1.17	0.70	0.73	3.00	1.32	1.46	0.49	0.50	3.31	2.09	0.99	2.28	0.64	1.35	1.49	t
4662	0.82	0.81	0.93	2.28	1.05	0.80	0.49	0.51	2.53	1.04	1.18	1.33	1.37	0.91	1.01	
4663	0.77	0.86	1.22	2.15	0.98	0.81	0.72	0.85	2.42	1.26	0.98	1.02		0.59	0.80	
2567	0.79	0.77	0.80	1.72	0.72	1.21	0.46	0.47	2.61	1.49	3.36	4.73	5.29	0.52	1.32	
2569	0.83	0.66	0.74	2.56	1.37	0.83	0.48	0.50	3.21	1.75	2.36	2.16	3.35	1.74	3.02	
2570	0.96	0.54	0.56	2.43	1.27	1.05	0.59	0.62	2.71	1.49	1.51	1.96	1.19	1.78	0.71	
4665	1.06	1.04	1.35	3.47	1.75	0.84	0.73	0.81	3.52	2.14	2.14	1.21		0.27	1.28	
4666	0.73	0.87	1.04	2.94	0.83	0.86	0.65	0.71	3.43	1.08	0.47	1.12		0.93	0.23	
2573	1.13	0.54	0.55	2.30	1.41	1.13	0.54	0.55	2.42	1.41	0.95	0.89	0.53	0.81	0.39	t
2576	1.46	0.52	0.53	3.36	2.28	1.36	0.46	0.47	3.22	2.00	3.66	5.11	1.00	5.91	0.43	
4668	1.24	0.73	0.77	3.87	1.84	1.20	0.60	0.62	3.84	1.80	1.02	1.34	1.25	1.28	1.09	
2574	0.87	0.34	0.35	2.46	1.39	0.92	0.61	0.65	2.51	1.41	0.93	1.44	1.72	1.19	1.69	t
2583	0.94	0.45	0.46	2.03	1.31	0.95	0.46	0.47	2.24	1.28	2.34	2.43	0.85	0.94	0.78	
2575	0.96	0.47	0.49	2.20	1.40	0.93	0.47	0.49	2.32	1.28	1.92	0.29	2.67	1.77	0.74	
2572	0.84	0.82	0.88	1.52	1.00	0.90	0.61	0.63	1.72	1.14	1.98	0.98	1.02	2.36	0.70	t
4669	0.73	0.79	1.32	2.37	0.91	0.65	0.62	0.76	2.92	0.99	1.14	1.85		1.42	0.52	t
4670	1.00	0.58	0.61	2.93	1.37	1.03	0.62	0.65	2.94	1.44	0.45	0.91	0.92	0.65	1.26	
2571	0.73	0.51	0.55	1.62	1.01	1.01	0.57	0.60	2.92	1.75	4.94	3.23	2.53	2.73	1.18	t
4671	0.95	0.63	0.67	2.69	1.37	0.95	0.53	0.56	2.73	1.41	1.83	0.34	0.63	1.81	1.24	
2584	1.15	0.51	0.52	3.76	2.04	1.15	0.49	0.50	4.11	1.97	4.94	2.48	0.80	3.39	1.01	t
2578	0.73	0.65	0.75	1.97	1.03	0.75	0.43	0.45	2.41	1.24	1.81	1.09	2.33	1.40	1.50	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2577	36411	RS		7 29 30.741560	+ 19 37 59.42138	+ 15.48	- 3.56
4673	36434	FX		7 29 52.325776	+ 56 58 19.23484	+ 0.41	- 14.71
4674	36481	FX		7 30 23.392808	+ 19 48 50.11958	+ 58.20	- 127.96
2586	36496	BX		7 30 30.919512	- 54 23 57.71475	+ 13.23	+ 27.35
2582	36526	BX		7 30 51.134178	- 5 13 35.38013	- 5.82	- 3.52
3951	36547	BX		7 31 4.465056	+ 82 24 41.28143	- 3.44	- 41.83
4675	36562	FX		7 31 14.701551	- 7 45 36.20796	- 0.58	+ 0.73
2585	36616	BX		7 31 48.397313	+ 17 5 9.76206	+ 43.26	- 75.77
2581	36634	RS		7 32 2.217040	+ 61 45 28.01894	- 15.93	- 119.13
2587	36641	BX	δ^1 CMi	7 32 5.948522	+ 1 54 52.13104	- 2.80	- 0.59
4676	36701	FX		7 32 58.551870	+ 66 56 16.17005	- 24.59	- 11.97
4677	36715	FX		7 33 5.205972	+ 78 41 12.80687	- 34.64	- 97.78
4679	36746	FX		7 33 27.487308	+ 11 0 42.16626	- 14.41	- 15.87
4680	36777	FX		7 33 50.530718	- 49 45 2.54635	- 8.81	+ 27.89
4681	36780	FX		7 33 52.365912	- 28 34 3.74457	- 27.45	+ 16.57
2588	36809	RS		7 34 13.156692	- 16 11 15.96845	- 79.38	+ 132.19
2596	36982	RS		7 36 4.198254	- 77 38 2.79437	+ 3.42	+ 15.85
2591	37043	RS		7 36 43.918944	- 48 49 48.60443	- 7.66	+ 0.74
2589	37091	BX		7 37 17.794749	+ 40 1 31.37383	- 14.17	- 49.59
4684	37127	FX		7 37 44.796649	- 35 16 37.76303	- 28.72	+ 19.42
4685	37148	FX		7 38 1.382622	- 43 38 29.16383	- 4.89	+ 12.42
4686	37150	FX		7 38 4.750611	+ 61 32 0.09202	+ 26.09	+ 22.29
4687	37179	FX		7 38 20.730917	+ 33 11 12.33588	- 1.29	- 21.50
2592	37265	RS	σ Gem	7 39 9.930938	+ 34 35 3.66747	- 35.93	- 115.52
2590	37271	BX		7 39 12.459305	+ 53 54 2.14612	- 9.94	- 80.12
4688	37311	FX		7 39 35.436640	+ 84 11 50.57814	- 5.04	- 2.05
4689	37313	FX		7 39 37.849723	- 17 52 17.65762	- 6.77	- 14.26
4690	37338	FX		7 39 53.459446	+ 8 37 4.38919	- 3.67	+ 4.86
2593	37406	BX	23 Lyn	7 40 49.535802	+ 57 4 58.30590	- 20.52	- 5.14
2595	37428	BX		7 40 58.518287	+ 23 1 6.69696	- 7.20	- 12.90
2594	37441	BX		7 41 12.398283	+ 48 7 53.52473	- 53.97	- 130.37
4692	37442	FX		7 41 12.699960	+ 21 26 48.82468	+ 13.40	- 40.75
4694	37512	FX		7 41 56.339485	- 82 20 30.60906	+ 20.46	- 31.79
2597	37521	RS		7 42 3.218567	+ 14 12 30.61444	- 0.96	- 10.57
2600	37530	BX		7 42 10.218109	- 58 37 51.30783	- 5.00	+ 6.79
4696	37598	FX		7 42 51.981653	- 71 32 30.90899	- 7.00	+ 23.43
2603	37664	BX		7 43 41.928859	- 40 56 1.48321	+ 130.96	- 171.04
2598	37674	RS		7 43 47.217849	+ 43 47 40.74808	- 92.03	- 16.17
4697	37695	FX		7 44 0.773851	- 67 12 7.32356	- 0.78	+ 32.22
4698	37774	FX		7 44 44.657186	- 62 27 7.11629	- 8.12	+ 31.01
4699	37789	FX		7 44 56.192061	+ 39 33 22.91346	+ 28.63	- 684.82
2605	37819	RS		7 45 15.295916	- 37 58 6.90318	- 10.81	+ 5.87
4700	37836	FX		7 45 24.557298	+ 14 35 58.85537	- 5.91	- 5.38
4701	37911	FX		7 46 9.268270	+ 16 26 18.39219	- 11.33	- 13.99
2602	37949	BX	51 Cam	7 46 40.078314	+ 65 27 20.42749	+ 27.91	+ 17.84
4702	37959	FX		7 46 50.681233	- 4 59 28.41391	- 8.07	- 4.27
4703	37968	FX		7 46 57.113355	- 25 22 13.65341	- 23.75	- 29.40
3978	38017	RS		7 47 30.414938	- 81 35 47.15573	- 32.15	+ 42.33
4704	38103	FX		7 48 30.561196	- 12 13 6.84532	- 3.24	- 0.85
2608	38200	RS		7 49 35.402392	- 33 17 20.22202	- 37.44	+ 1.51

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2577	91.42	0.98	0.75	91.46	0.46	0.49	4.84	1.17	H		6.73		33		
4673	90.93	0.63	0.67	91.17	0.62	0.72	3.02	0.69	P		8.51		11	1	3
4674	91.38	0.95	0.69	91.51	0.45	0.44	24.21	1.12	H		7.07		15	1	3
2586	91.32	0.50	0.56	91.45	0.46	0.46	7.53	0.53	H	+ 49.0	5.95	1	11	1	3
2582	91.42	0.77	0.57	91.67	0.46	0.45	.39	0.92	H	+ 17.4	6.24		11	1	3
3951	91.15	0.43	0.33	91.08	0.43	0.38	6.89	0.55	H	+ 13.8	4.92	2	13		
4675	91.51	1.00	1.07	91.56	0.65	0.76	.63	1.19	H		8.40		11	1	3
2585	91.34	0.68	0.42	91.59	0.40	0.33	10.81	0.75	H	- 40.2	5.45		29	2	
2581	91.10	0.62	0.64	91.22	0.45	0.53	6.65	0.77	H	- 1.8	6.68		31		
2587	91.30	0.67	0.51	91.64	0.35	0.37	4.14	0.76	H	+ 29.1	5.24		39		
4676	91.42	0.56	0.53	91.36	0.60	0.68	1.79	0.97	H		7.70		11	1	3
4677	91.30	0.54	0.52	91.26	0.52	0.53	11.03	0.70	H		7.41		31		
4679	91.53	0.80	0.63	91.67	0.45	0.41	2.19	0.87	H		6.80	2	13		
4680	91.25	0.69	0.73	91.36	0.68	0.71	4.58	0.77	H		8.48		11	1	3
4681	91.03	0.39	0.43	91.20	0.51	0.54	7.46	0.68	H	+ 36.2	6.77		21	2	
2588	91.11	0.54	0.62	91.31	0.48	0.56	17.16	0.80	H		6.72		11	1	3
2596	91.16	0.50	0.57	91.33	0.45	0.50	2.84	0.51	H	+ 6.5	6.72	2	39		
2591	91.24	0.46	0.49	91.27	0.42	0.43	6.56	0.50	H	- 1.2	5.69		11	1	3
2589	91.16	0.92	0.56	91.20	0.65	0.59	5.10	0.96	H	+ 30.6	6.34		31		
4684	91.10	0.41	0.45	91.37	0.48	0.46	4.52	0.61	H	- 2.0	6.59		11	1	3
4685	91.25	0.54	0.55	91.40	0.61	0.59	1.52	0.68	H		7.98		15	1	3
4686	91.01	0.62	0.63	91.15	0.52	0.65	17.09	0.90	H	- 40.7	7.37		11	1	3
4687	91.25	0.90	0.67	91.30	0.67	0.59	3.76	1.02	H	- 3.	6.84		11	1	3
2592	91.20	0.92	0.46	91.25	0.61	0.52	20.62	0.96	H	+ 7.3	4.89		29	2	
2590	91.26	0.56	0.46	91.28	0.47	0.50	8.90	0.78	H		6.66		11	1	3
4688	91.11	0.56	0.58	91.43	0.60	0.64	1.70	0.73	H	- 56.5	7.58	1	11	1	3
4689	91.42	0.51	0.53	91.52	0.52	0.54	6.26	0.97	H		7.60		11	1	3
4690	91.61	1.15	0.82	91.72	0.67	0.56	2.15	1.32	H		8.84		23	2	
2593	91.31	0.54	0.46	91.39	0.38	0.50	4.67	0.71	H	- 13.4	6.09		29	2	
2595	91.23	0.81	0.45	91.37	0.48	0.43	2.14	0.90	H	+ 39.4	5.93		15	1	3
2594	90.95	0.77	0.58	91.12	0.55	0.52	10.01	0.85	H	+ 37.4	5.58		11	1	3
4692	91.44	1.07	0.72	91.35	0.64	0.62	5.28	1.26	H		7.87		21	2	
4694	91.30	0.53	0.60	91.23	0.47	0.52	5.74	0.55	H		7.52		31		
2597	91.33	0.73	0.57	91.38	0.45	0.43	3.19	0.79	H	- 16.2	5.55	2	13		
2600	91.10	0.46	0.47	91.15	0.45	0.45	3.05	0.49	H	+ 11.	6.40		18		
4696	91.40	0.57	0.55	91.15	0.46	0.48	2.78	0.54	H		7.28		11	1	3
2603	91.36	0.39	0.38	91.40	0.42	0.45	15.13	0.49	H	+ 53.2	5.12		11	1	3
2598	91.20	0.98	0.60	91.32	0.70	0.61	11.50	1.03	H	- 36.5	7.18		11	1	3
4697	91.42	0.58	0.58	91.31	0.56	0.65	2.38	0.55	P		7.62	2	33		
4698	91.13	0.69	0.78	91.20	0.62	0.72	2.25	0.70	H		8.04		11	1	3
4699	91.06	0.88	0.63	91.31	0.65	0.54	29.22	0.96	H	- 5.4	6.74		31		
2605	91.36	0.40	0.40	91.13	0.46	0.51	2.35	0.55	H	+ 17.1	3.62	1	11	1	3
4700	91.54	0.95	0.74	91.50	0.56	0.52	6.00	1.05	H		8.59		13		
4701	91.30	0.90	0.55	91.49	0.55	0.44	-.10	1.03	H		7.55		11	1	3
2602	91.23	0.51	0.39	91.41	0.46	0.43	9.82	0.71	H	- 28.5	5.93		11	1	3
4702	91.32	1.30	0.79	91.00	1.22	0.84	.56	1.92	H		9.20		31		
4703	90.93	0.54	0.55	91.58	0.75	0.71	8.94	1.16	H		8.27		15	1	3
3978	91.30	0.47	0.53	91.34	0.44	0.50	11.77	0.50	H		6.79		11	1	3
4704	91.35	0.69	0.72	91.32	0.53	0.70	-.30	0.90	H		7.76		31		
2608	91.27	0.37	0.39	91.48	0.43	0.42	4.72	0.58	H	+ 32.2	5.61	1	15	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2577	- 0.48	+ 0.56	+ 1.23	- 4.67	+ 0.49	+ 0.38	- 0.08	- 0.11	+ 0.09	+ 0.89
4673	- 0.80	+ 0.32	+ 0.95	- 6.97	- 1.88	+ 0.15	- 0.16	- 0.54	- 5.93	+ 1.48
4674	- 0.11	+ 0.23	+ 0.30	+ 1.30	- 0.36	+ 0.17	- 0.03	- 0.03	+ 1.74	+ 0.00
2586	- 0.24	+ 0.03	+ 0.04	+ 1.28	- 1.12	- 0.56	+ 0.07	+ 0.11	- 4.20	+ 0.51
2582	+ 0.04	- 0.06	- 0.54	+ 0.26	+ 0.30	- 0.11	+ 0.07	+ 0.34	+ 0.77	- 1.00
3951	+ 0.14	- 0.22	- 0.27	+ 0.91	+ 0.02	+ 0.41	- 0.39	- 0.48	+ 0.57	+ 0.51
4675	- 0.01	+ 0.03	+ 0.43	+ 5.49	- 2.47	- 0.03	+ 0.01	+ 0.20	+ 0.35	- 0.75
2585	+ 0.39	- 0.51	- 0.61	+ 1.90	- 0.21	- 0.71	+ 0.33	+ 0.38	- 0.91	- 0.77
2581	+ 1.24	- 0.62	- 1.05	+ 3.05	+ 1.92	- 0.39	+ 0.20	+ 0.30	- 5.27	+ 1.09
2587	- 0.28	+ 0.43	+ 0.68	+ 0.29	- 0.65	- 0.06	+ 0.02	+ 0.03	- 2.14	+ 0.46
4676	- 0.01	- 0.01	- 0.06	- 3.67	+ 0.44	+ 0.23	- 0.10	- 0.39	+ 2.36	+ 0.69
4677	+ 0.41	- 0.24	- 0.31	- 1.46	+ 0.72	- 0.49	+ 0.32	+ 0.41	+ 0.26	- 0.74
4679	+ 0.04	- 0.04	- 0.11	+ 1.28	- 0.03	+ 0.50	- 0.10	- 0.23	+ 6.23	+ 0.54
4680	+ 0.59	- 0.14	- 0.40	+ 5.21	+ 1.01	- 0.25	+ 0.05	+ 0.16	- 4.60	+ 0.23
4681	- 0.59	+ 0.01	+ 0.02	- 0.27	- 1.12	+ 4.18	- 0.89	- 1.48	+ 8.59	+ 6.67
2588	+ 0.12	+ 0.05	+ 0.07	+ 3.15	- 0.71	- 2.45	+ 0.35	+ 0.53	- 4.78	- 3.50
2596	+ 0.29	- 0.04	- 0.18	+ 7.08	+ 0.03	- 1.06	+ 0.10	+ 0.38	- 7.56	- 3.08
2591	- 0.41	+ 0.07	+ 0.11	+ 1.48	- 1.44	- 0.61	+ 0.08	+ 0.13	- 0.91	- 1.04
2589	+ 0.21	- 0.47	- 0.89	+ 3.09	- 0.82	- 0.50	+ 0.38	+ 0.60	- 0.25	- 1.05
4684	- 0.01	+ 0.00	+ 0.00	+ 0.76	- 0.30	+ 0.04	+ 0.00	- 0.01	- 3.94	+ 1.48
4685	+ 0.18	- 0.02	- 0.12	+ 3.34	- 0.38	+ 0.40	- 0.12	- 0.48	+ 4.21	+ 0.86
4686	+ 0.94	- 0.48	- 0.64	+ 4.58	+ 0.85	- 0.08	+ 0.17	+ 0.24	+ 3.38	- 0.49
4687	+ 0.56	- 0.79	- 1.71	+ 5.34	+ 0.82	+ 0.01	+ 0.03	+ 0.10	+ 1.83	- 0.13
2592	+ 0.05	- 0.03	- 0.04	+ 0.32	- 0.08	+ 1.29	- 2.15	- 2.51	- 1.97	+ 2.98
2590	- 0.18	+ 0.44	+ 0.55	+ 0.85	- 0.70	+ 0.02	- 0.01	- 0.02	+ 1.85	- 0.65
4688	+ 0.28	- 0.12	- 0.36	+ 1.99	+ 0.80	- 0.14	+ 0.01	+ 0.06	+ 4.50	- 1.10
4689	- 0.17	+ 0.03	+ 0.06	+ 1.45	- 0.74	- 0.31	+ 0.08	+ 0.13	- 1.85	- 0.30
4690	+ 0.54	- 0.62	- 2.52	- 8.68	+ 3.87	+ 0.14	+ 0.04	+ 0.23	+ 0.76	+ 0.28
2593	+ 1.46	- 2.44	- 3.59	+ 2.86	+ 1.97	- 0.86	+ 0.51	+ 0.79	- 0.83	- 1.51
2595	+ 0.00	+ 0.00	- 0.01	- 0.03	+ 0.01	+ 0.08	- 0.08	- 0.14	+ 2.56	- 0.49
2594	- 0.59	+ 0.94	+ 1.28	- 0.10	- 1.23	+ 0.87	- 0.48	- 0.62	+ 1.27	+ 1.11
4692	- 0.03	- 0.06	- 0.20	- 0.02	- 0.02	+ 1.58	- 0.82	- 1.46	- 1.69	+ 3.62
4694	+ 0.78	- 0.06	- 0.14	+ 2.03	+ 1.84	+ 2.24	- 0.20	- 0.49	+ 3.69	+ 6.29
2597	+ 0.12	- 0.04	- 0.02	- 2.17	+ 0.93	+ 0.70	- 0.11	- 0.24	- 0.23	+ 1.88
2600	+ 0.87	- 0.17	- 0.40	+ 0.73	+ 2.56	- 0.50	+ 0.10	+ 0.24	- 2.63	- 0.79
4696	- 0.99	+ 0.17	+ 0.53	- 3.74	- 2.97	- 0.09	- 0.01	- 0.04	+ 0.43	- 0.37
2603	- 0.73	+ 0.15	+ 0.18	- 0.95	- 0.88	+ 0.43	- 0.16	- 0.19	- 1.56	+ 1.24
2598	+ 0.16	- 0.36	- 0.62	+ 2.58	- 0.86	+ 0.01	- 0.10	- 0.17	- 0.74	+ 0.31
4697	- 0.80	+ 0.13	+ 0.59	- 4.73	- 3.32	+ 0.69	- 0.16	- 0.70	+ 0.50	+ 3.70
4698	+ 0.57	- 0.21	- 0.97	+ 1.43	+ 2.97	- 0.19	+ 0.10	+ 0.52	+ 2.33	- 2.03
4699	+ 0.27	- 0.69	- 0.85	- 1.84	+ 0.69	- 0.87	+ 0.82	+ 0.94	- 5.37	- 0.45
2605	- 0.10	+ 0.02	+ 0.04	- 1.19	+ 0.14	- 0.15	+ 0.04	+ 0.10	- 1.01	- 0.15
4700	+ 0.12	- 0.14	- 0.26	+ 1.12	+ 0.06	- 0.04	+ 0.03	+ 0.06	+ 3.58	- 0.79
4701	+ 0.00	+ 0.00	+ 1.23	- 3.48	- 0.66	+ 0.00	+ 0.00	+ 0.10	- 1.86	- 1.10
2602	- 0.06	+ 0.20	+ 0.24	+ 0.33	- 0.23	- 0.84	+ 0.45	+ 0.55	+ 0.48	- 1.38
4702	- 0.03	+ 0.14	+ 2.23	+ 6.08	- 1.91	- 0.10	+ 0.13	+ 1.91	- 1.32	- 1.37
4703	+ 1.10	- 0.15	- 0.28	+ 2.44	+ 1.91	- 0.49	+ 0.12	+ 0.25	- 0.94	- 1.11
3978	+ 0.07	- 0.03	- 0.06	- 3.80	+ 1.17	- 1.57	+ 0.12	+ 0.23	- 1.19	- 3.55
4704	+ 0.00	+ 0.00	- 0.27	- 0.22	+ 1.18	+ 0.00	+ 0.00	- 0.71	- 1.43	+ 3.50
2608	- 0.12	+ 0.00	+ 0.01	+ 0.98	- 0.70	- 1.25	+ 0.14	+ 0.28	+ 0.50	- 3.58

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TH	
2577	0.88	0.96	1.15	1.87	1.16	0.88	0.53	0.56	2.01	1.27	2.70	0.87	0.80	2.37	1.24	t
4673	0.94	0.72	0.80	4.44	1.36	1.02	0.75	0.83	4.72	1.59	2.05	2.09		1.85	1.61	
4674	0.84	1.11	1.21	2.43	0.90	0.87	0.51	0.52	2.72	0.94	0.44	0.73		0.88	1.80	t
2586	1.11	0.60	0.62	2.55	1.59	1.04	0.48	0.50	2.32	1.48	1.87	0.72	0.68	1.89	0.42	
2582	0.58	0.65	1.19	1.38	0.76	0.50	0.48	0.63	1.52	0.77	0.49	1.62	0.33	1.04	0.71	
3951	0.47	0.46	0.48	1.15	0.50	0.56	0.50	0.52	1.48	0.62	1.14	1.26	0.33	0.71	0.98	t
4675	1.11	1.10	1.47	3.15	1.87	0.86	0.77	0.89	3.12	2.01	1.26	1.46		2.19	0.48	
2585	0.56	0.63	0.66	1.04	0.63	0.61	0.38	0.39	1.42	0.66	2.21	1.53	3.69	1.74	1.59	t
2581	0.96	0.73	0.78	2.51	1.24	0.79	0.62	0.66	1.73	1.00	3.38	2.13	3.38	3.21	0.81	
2587	0.64	0.69	0.78	1.68	0.73	0.83	0.39	0.40	2.21	1.15	0.99	1.30	2.49	1.16	2.11	t
4676	0.73	0.56	0.62	3.11	1.07	0.86	0.71	0.81	3.44	1.33	0.78	1.38		1.33	0.53	
4677	0.81	0.63	0.66	2.95	0.90	0.81	0.65	0.68	2.78	0.90	0.39	1.38	2.73	0.79	0.06	
4679	0.77	0.71	0.83	2.83	1.02	0.75	0.43	0.45	3.02	1.13	0.64	2.17		1.82	1.35	t
4680	1.18	0.76	0.81	4.09	1.92	1.20	0.73	0.77	4.02	2.07	1.77	0.68	1.02	1.42	0.99	
4681	1.05	0.45	0.46	2.80	1.47	1.05	0.57	0.59	2.92	1.43	3.38	5.32	3.30	0.65	3.08	
2588	1.24	0.68	0.70	3.04	1.53	1.37	0.59	0.60	3.51	1.80	1.79	2.17	1.03	1.18	1.49	
2596	1.08	0.57	0.59	4.59	2.55	0.99	0.50	0.52	3.82	1.92	2.59	1.74	1.14	1.70	1.64	t
2591	1.05	0.51	0.53	2.69	1.50	1.00	0.45	0.46	2.62	1.38	0.63	1.27	1.43	0.95	1.46	
2589	0.62	0.99	1.28	1.19	0.74	0.77	0.74	0.84	1.62	1.01	2.37	1.27	0.67	2.82	2.35	
4684	1.04	0.46	0.47	2.86	1.74	1.03	0.47	0.48	2.93	1.71	1.35	0.85	0.49	1.63	0.97	
4685	0.82	0.56	0.59	2.54	1.81	0.80	0.61	0.67	2.53	1.44	2.23	0.86	2.41	1.66	1.19	t
4686	1.03	0.75	0.78	3.40	1.16	1.03	0.78	0.82	3.73	1.15	1.72	1.15	0.25	1.44	1.12	
4687	0.78	0.85	1.03	2.92	0.92	0.77	0.70	0.79	3.52	0.92	2.33	1.84	2.26	1.57	1.64	
2592	0.59	0.94	1.01	1.04	0.60	0.68	0.77	0.81	1.32	0.78	0.43	4.88	4.67	3.24	3.07	t
2590	0.58	0.72	0.78	1.12	0.66	0.70	0.66	0.70	1.43	0.83	1.20	1.37	1.28	1.92	1.99	
4688	0.76	0.62	0.70	3.38	1.12	0.85	0.67	0.75	3.98	1.36	1.20	1.28		1.37	0.68	
4689	1.05	0.56	0.58	3.03	1.47	0.99	0.57	0.60	3.12	1.30	0.59	0.77		0.80	0.70	
4690	0.91	0.93	1.21	3.14	1.21	0.85	0.59	0.64	3.71	1.36	3.74	1.83		3.73	1.96	t
2593	0.57	0.67	0.75	1.20	0.67	0.73	0.58	0.62	1.73	0.94	4.65	5.88	6.70	0.74	1.86	t
2595	0.49	0.70	0.91	1.01	0.61	0.53	0.54	0.62	1.32	0.66	1.86	0.39	2.26	2.07	0.48	t
2594	0.74	0.84	0.92	1.34	0.91	0.81	0.61	0.64	1.72	1.01	1.33	2.42	1.19	0.70	1.54	
4692	0.81	1.01	1.25	2.41	0.94	0.90	0.70	0.76	2.82	1.15	3.69	0.10		1.75	1.29	
4694	1.20	0.62	0.64	3.59	1.97	1.21	0.53	0.55	3.58	2.07	1.30	3.31	1.13	0.63	0.85	
2597	0.72	0.69	0.79	1.76	0.93	0.81	0.46	0.49	2.22	1.20	1.12	1.90	1.92	1.77	1.17	t
2600	0.86	0.49	0.51	2.29	1.40	0.87	0.47	0.49	2.52	1.40	1.21	2.10	0.99	0.93	1.32	t
4696	0.94	0.57	0.60	3.16	1.64	0.89	0.49	0.51	3.14	1.49	1.34	2.02	2.01	0.32	2.15	
2603	0.92	0.41	0.42	1.84	1.13	0.89	0.51	0.52	1.92	1.07	0.92	1.47	0.73	1.27	0.31	
2598	0.67	1.20	1.44	1.24	0.79	0.86	0.80	0.87	1.82	1.05	1.75	0.42	1.43	2.39	1.35	
4697	0.97	0.59	0.62	4.00	1.91	0.99	0.67	0.71	3.84	1.86	1.35	2.90	2.08	0.81	1.52	t
4698	1.02	0.81	0.91	3.65	1.77	1.01	0.74	0.81	3.63	1.92	0.81	2.26	0.62	1.13	1.11	
4699	0.75	1.09	1.18	2.13	0.79	0.76	0.74	0.77	2.33	0.80	2.60	1.69	1.67	2.28	1.82	
2605	0.71	0.43	0.45	1.82	1.09	0.77	0.54	0.58	2.11	1.19	0.83	0.21	0.48	0.72	1.76	
4700	0.91	0.93	1.08	2.64	1.12	0.94	0.57	0.60	2.82	1.24	0.64	1.32		1.47	0.77	t
4701	0.55	0.55	0.95	2.19	0.74	0.44	0.44	0.58	2.52	0.83	2.23	2.14		1.25	1.04	
2602	0.57	0.53	0.55	1.18	0.62	0.72	0.51	0.53	1.83	0.82	0.08	2.02	1.26	1.02	0.36	
4702	0.80	0.86	1.57	2.29	1.00	0.87	0.88	1.26	2.62	1.27	2.75	1.81		3.20	1.31	
4703	1.26	0.56	0.58	3.01	1.95	1.35	0.74	0.77	3.51	2.10	1.23	0.95		0.15	1.09	t
3978	1.50	0.54	0.55	4.62	2.26	1.46	0.51	0.52	4.62	2.15	0.86	1.78	0.57	1.07	1.15	
4704	0.72	0.72	0.88	2.82	1.39	0.70	0.70	0.81	2.92	1.59	0.24	2.56	1.32	1.55	1.15	
2608	1.00	0.40	0.41	2.64	1.60	0.99	0.43	0.44	2.71	1.54	0.37	2.45	0.86	1.42	1.17	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2610	38210	BX		7 49 40.993 480	- 66 11 45.509 57	- 1.73	- 0.76
2607	38211	BX	6 Pup	7 49 41.201 241	- 17 13 42.269 51	+ 54.16	- 117.35
4706	38237	FX		7 49 59.995 850	- 35 6 28.033 59	+ 2.72	- 12.56
2609	38307	BX		7 50 55.239 248	- 11 7 42.959 27	- 0.13	- 32.50
4707	38333	FX		7 51 7.767 749	+ 56 22 31.353 29	+ 10.92	- 4.19
4708	38476	FX		7 52 49.705 749	- 39 21 14.723 41	+ 0.32	+ 16.48
4709	38496	FX		7 53 1.804 963	- 1 4 51.265 41	- 4.86	- 2.86
4710	38559	FX		7 53 43.340 829	+ 72 44 27.686 96	- 14.91	- 20.16
4711	38647	FX		7 54 48.494 280	+ 34 37 11.230 12	- 121.42	- 173.91
4712	38700	FX		7 55 24.053 102	- 47 18 47.096 42	+ 5.82	+ 1.14
2614	38722	BX	85 Gem	7 55 39.894 967	+ 19 53 2.289 16	- 14.88	- 40.07
2613	38723	RS		7 55 40.827 652	+ 35 24 45.668 33	- 57.56	- 25.55
4713	38778	FX		7 56 15.510 933	+ 29 51 7.481 99	- 3.69	+ 5.00
4714	38789	FX		7 56 21.708 624	- 20 27 47.794 00	- 9.62	- 11.34
2615	38835	RS	11 Pup	7 56 51.539 892	- 22 52 48.438 57	- 29.01	+ 10.92
4716	38844	FX		7 56 57.404 661	- 57 25 50.254 68	+ 19.14	+ 12.74
2612	38900	BX		7 57 39.749 988	+ 77 34 35.122 33	+ 2.70	- 22.62
4717	38989	FX		7 58 45.990 248	+ 12 7 14.345 80	+ 6.04	- 23.44
4719	39019	FX		7 59 4.691 200	- 54 32 48.836 03	- 11.21	+ 6.99
2624	39138	BX		8 0 19.966 966	- 63 34 2.839 83	- 1.73	+ 19.42
2622	39184	RS		8 0 49.937 793	- 54 9 4.590 83	- 26.12	+ 8.54
2620	39211	RS	28 Mon	8 1 13.334 902	- 1 23 33.390 49	+ 66.03	- 75.82
4721	39239	FX		8 1 31.766 689	- 4 45 56.248 33	- 14.40	- 14.76
4722	39243	FX		8 1 32.541 810	+ 41 23 13.625 13	- 32.86	- 95.02
2621	39271	BX		8 1 50.728 972	+ 8 54 50.362 78	- 1.84	+ 23.70
4723	39296	FX		8 2 4.717 576	+ 19 44 14.206 89	- 9.80	- 18.60
2623	39311	RS		8 2 15.936 350	+ 2 20 4.457 76	- 29.02	+ 105.85
4724	39394	FX		8 3 12.729 346	+ 46 13 2.944 71	+ 5.84	- 14.54
4725	39395	FX		8 3 13.313 428	+ 66 11 21.023 50	- 1.40	- 1.10
2628	39455	RS		8 3 53.229 050	- 68 56 12.650 64	- 15.54	+ 10.83
4727	39462	FX		8 3 57.555 680	- 16 20 32.367 55	- 1.26	- 19.01
2626	39527	RS		8 4 42.399 664	- 50 35 25.424 22	- 8.55	+ 1.80
2625	39567	BX	8 Cnc	8 5 4.488 545	+ 13 7 5.577 38	- 35.47	- 63.61
2629	39700	RS		8 6 51.539 561	- 27 6 51.368 43	- 4.98	+ 3.39
4728	39712	FX		8 7 1.746 818	+ 49 53 34.321 63	- 29.60	- 21.54
4729	39772	FX		8 7 41.796 756	- 81 36 33.968 53	- 5.65	- 1.91
2630	39780	BX	μ^2 Cnc	8 7 45.856 407	+ 21 34 54.531 73	+ 24.21	- 67.89
4730	39811	FX		8 8 6.083 585	+ 24 42 54.634 79	- 2.24	- 2.97
4731	39812	FX		8 8 6.857 339	+ 16 25 1.763 37	- 86.73	+ 45.23
2642	39818	BX		8 8 8.858 982	- 78 41 41.620 64	+ 20.17	- 20.30
2631	39866	BX		8 8 37.642 586	- 37 40 52.395 46	- 7.60	+ 8.60
4732	39882	FX		8 8 48.167 778	+ 2 9 53.008 41	+ 2.46	- 1.30
4733	39905	FX		8 9 1.418 131	+ 81 42 35.807 98	- 7.85	- 38.63
2632	39906	RS	16 Pup	8 9 1.637 005	- 19 14 42.053 24	- 10.44	- 5.70
4735	39922	FX		8 9 12.147 506	- 64 46 34.379 20	- 2.81	+ 8.88
2634	39961	RS		8 9 35.913 083	- 44 7 21.982 95	- 12.25	+ 2.53
4736	40040	FX		8 10 44.599 820	+ 59 11 35.063 41	+ 5.74	+ 12.38
4737	40071	FX		8 11 9.700 210	+ 53 14 42.313 38	+ 19.14	- 73.06
2635	40093	BX		8 11 21.649 954	+ 38 43 52.729 47	- 108.25	- 76.18
4738	40152	FX		8 11 57.339 920	- 51 57 45.429 32	- 10.01	+ 3.27

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2610	91.40	0.41	0.35	91.18	0.41	0.43	7.12	0.45	H	+ 11.	5.78		11	1	3
2607	91.32	0.46	0.39	91.76	0.35	0.31	12.87	0.71	H	+ 44.0	5.17		29	2	
4706	91.14	0.51	0.52	91.25	0.56	0.57	4.87	0.74	H		8.10		15	1	3
2609	91.29	0.54	0.48	91.20	0.47	0.49	7.93	0.79	H	+ 43.4	6.16		38		
4707	91.28	0.82	0.81	91.35	0.62	0.89	1.40	1.17	H		8.49	1	31		
4708	91.43	0.70	0.80	91.64	0.79	0.78	2.48	0.96	H		9.19		31		
4709	91.27	1.22	0.76	91.24	0.98	0.81	2.70	1.44	H		8.69		11	1	3
4710	91.22	0.56	0.54	91.33	0.65	0.62	2.23	0.92	H		8.69		11	1	3
4711	91.18	0.93	0.70	91.40	0.59	0.74	28.33	1.09	H	+ 29.9	7.78		13		
4712	91.27	0.50	0.54	91.36	0.45	0.42	4.11	0.55	H		7.09		11	1	3
2614	91.13	0.66	0.40	91.40	0.41	0.32	9.61	0.73	H	+ 10.5	5.38		39		
2613	91.34	0.82	0.74	91.46	0.52	0.80	16.55	0.92	H	+ 20.7	6.23		19	1	1
4713	91.11	0.76	0.68	91.23	0.49	0.49	3.35	0.88	H		6.81		11	1	3
4714	91.38	0.51	0.54	91.60	0.41	0.41	5.68	0.80	H		6.84		31		
2615	91.19	0.49	0.39	91.42	0.41	0.36	6.49	0.70	H	+ 13.8	4.20		21	2	
4716	91.14	0.50	0.55	91.38	0.52	0.58	4.64	0.56	H		7.46		31		
2612	91.09	0.40	0.43	91.43	0.43	0.53	5.07	0.60	H	+ 4.5	6.87	1	37		
4717	91.49	1.03	0.80	91.22	0.78	0.71	2.33	1.28	H		8.44		11	1	3
4719	91.21	0.59	0.63	91.26	0.51	0.47	2.29	0.62	H		7.82		11	1	3
2624	91.21	0.48	0.55	91.24	0.41	0.41	6.02	0.49	H	+ 22.1	4.81		11	1	3
2622	91.16	0.45	0.52	91.33	0.40	0.36	4.66	0.48	H	+ 0.	5.87		19	1	1
2620	91.36	0.80	0.65	91.00	0.49	0.60	6.90	0.94	H	+ 26.7	4.69	1	11	1	3
4721	90.91	1.02	0.75	91.00	0.81	0.74	6.63	1.56	H		9.03		21	2	
4722	91.22	0.98	0.78	91.49	0.64	0.62	14.25	1.14	H	+ 27.0	7.28		11	1	3
2621	91.37	0.78	0.48	91.06	0.63	0.50	16.77	1.00	H	+ 4.	6.22		11	1	3
4723	91.27	0.85	0.69	91.09	0.59	0.61	5.63	1.08	H		7.65		11	1	3
2623	91.42	0.89	0.61	91.23	0.58	0.62	12.49	0.98	H	+ 71.1	4.39		15	1	3
4724	91.17	1.04	1.04	91.15	0.57	0.83	5.87	1.13	H	- 8.1	8.37		11	1	3
4725	90.80	0.81	0.75	91.24	0.91	0.74	2.51	1.36	H		9.37		31		
2628	91.28	0.55	0.59	91.41	0.54	0.54	4.79	0.58	H		6.84		11	1	3
4727	91.43	0.68	0.70	91.42	0.57	0.70	3.41	0.79	P		8.36		15	1	3
2626	91.26	0.43	0.44	91.54	0.38	0.36	2.40	0.46	H	+ 26.7	5.96		31		
2625	91.30	0.76	0.40	90.97	0.55	0.44	15.49	0.94	H	+ 21.	5.14		18		
2629	90.96	0.40	0.43	91.45	0.47	0.47	3.20	0.44	H	+ 16.4	7.06		15	1	3
4728	90.95	1.01	0.75	91.09	0.62	0.75	8.80	1.12	H		8.70		31		
4729	91.27	0.58	0.64	91.23	0.56	0.63	3.48	0.64	H		8.02		11	1	3
2630	91.19	0.88	0.45	91.16	0.56	0.43	42.86	0.97	H	- 35.8	5.30		11	1	3
4730	91.57	1.13	0.68	91.67	0.64	0.53	1.21	1.27	H		8.97		11	1	3
4731	91.52	1.08	0.77	91.11	0.75	0.75	9.44	1.21	H		8.80		11	1	3
2642	91.17	0.49	0.51	91.15	0.48	0.52	4.75	0.52	H	+ 8.1	7.04		35		
2631	91.24	0.39	0.38	91.41	0.41	0.40	1.84	0.53	H	+ 29.9	6.36	2	19	1	1
4732	91.23	1.16	0.99	91.03	0.66	0.84	1.59	1.30	H		9.26		11	1	3
4733	91.24	0.58	0.56	91.39	0.59	0.60	2.50	0.76	H		8.27		11	1	3
2632	91.43	0.53	0.54	91.22	0.45	0.53	6.90	0.69	H	+ 19.9	4.40		29	2	
4735	91.59	0.49	0.43	91.38	0.50	0.49	4.73	0.60	H		7.41		11	1	3
2634	91.15	0.41	0.45	91.31	0.40	0.40	2.87	0.50	H	+ 8.	5.20	1	11	1	3
4736	91.52	0.67	0.67	91.49	0.53	0.61	3.98	0.93	H		8.05		11	1	3
4737	91.39	0.56	0.52	91.31	0.45	0.48	11.33	0.74	H	- 49.6	6.79		11	1	3
2635	91.29	0.71	0.57	91.23	0.43	0.48	21.97	0.80	H	+ 25.7	6.61		31		
4738	91.27	0.54	0.54	91.36	0.52	0.46	3.88	0.60	H		7.99		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2610	+ 0.30	- 0.05	- 0.08	+ 3.29	- 0.58	- 0.74	+ 0.11	+ 0.18	+ 0.81	- 1.88
2607	+ 0.06	+ 0.00	+ 0.01	- 1.26	+ 0.42	- 0.61	+ 0.16	+ 0.18	+ 0.26	- 0.87
4706	- 0.20	+ 0.02	+ 0.05	- 0.17	- 0.69	+ 0.16	- 0.02	- 0.05	+ 4.57	- 1.14
2609	+ 0.63	- 0.60	- 0.75	+ 0.04	+ 1.09	+ 0.94	- 0.54	- 0.70	+ 1.48	+ 1.17
4707	+ 0.30	- 0.50	- 3.00	- 2.97	+ 2.10	+ 0.24	- 0.24	- 1.71	+ 4.63	+ 1.51
4708	- 0.05	+ 0.00	+ 0.00	- 3.36	+ 0.84	- 0.25	+ 0.07	+ 0.31	+ 5.55	- 3.60
4709	+ 0.05	- 0.22	- 0.92	+ 2.93	- 0.21	+ 0.14	- 0.15	- 0.55	- 1.17	+ 0.78
4710	+ 0.17	- 0.07	- 0.21	- 1.27	+ 0.74	+ 0.22	- 0.10	- 0.30	+ 3.27	+ 0.33
4711	+ 0.03	- 0.01	- 0.02	+ 1.47	- 0.19	- 0.01	- 0.01	- 0.01	- 2.63	+ 0.43
4712	- 0.53	+ 0.08	+ 0.19	+ 3.20	- 2.07	- 0.88	+ 0.08	+ 0.18	- 1.19	- 2.34
2614	- 0.28	+ 0.18	+ 0.21	- 0.90	- 0.02	- 0.66	+ 0.25	+ 0.28	- 1.34	- 0.53
2613	- 1.25	+ 1.06	+ 1.52	- 3.68	- 1.34	- 0.10	- 0.39	- 0.63	+ 2.49	- 0.95
4713	- 0.30	+ 0.39	+ 0.91	- 2.28	- 0.54	+ 0.45	- 0.22	- 0.37	- 2.75	+ 1.12
4714	+ 0.51	+ 0.03	+ 0.06	- 2.19	+ 1.88	- 1.48	+ 0.13	+ 0.23	+ 0.21	- 3.42
2615	+ 1.71	- 0.55	- 0.60	+ 2.15	+ 1.98	- 3.06	+ 1.12	+ 1.36	- 2.28	- 4.07
4716	+ 1.10	- 0.14	- 0.37	+ 2.65	+ 3.25	- 0.78	+ 0.13	+ 0.34	- 7.80	- 0.29
2612	- 0.80	+ 0.24	+ 0.35	- 2.58	- 0.52	+ 0.66	- 0.07	- 0.17	+ 4.96	- 0.11
4717	+ 0.02	- 0.02	- 0.09	+ 3.36	- 0.50	+ 0.05	- 0.06	- 0.17	+ 2.52	- 0.27
4719	+ 0.55	- 0.15	- 0.51	+ 5.70	+ 1.09	- 0.71	+ 0.13	+ 0.35	- 1.27	- 2.15
2624	+ 0.48	- 0.08	- 0.15	+ 1.98	+ 0.39	+ 0.64	- 0.07	- 0.11	- 0.56	+ 1.72
2622	+ 0.25	- 0.04	- 0.08	- 0.73	+ 1.14	- 0.11	+ 0.01	+ 0.02	+ 1.17	- 0.72
2620	+ 0.06	- 0.03	- 0.06	+ 2.65	- 0.74	- 0.10	+ 0.06	+ 0.09	+ 2.73	- 1.00
4721	- 0.47	+ 1.59	+ 3.44	+ 1.84	- 1.79	+ 1.52	- 1.50	- 3.00	- 2.10	+ 4.27
4722	- 0.19	+ 0.48	+ 0.78	- 3.96	+ 0.44	- 0.42	+ 0.38	+ 0.51	+ 1.40	- 0.86
2621	- 0.15	+ 0.42	+ 0.52	- 0.55	- 0.02	- 0.28	+ 0.42	+ 0.50	- 0.37	- 0.33
4723	+ 0.25	- 0.30	- 0.55	+ 1.95	+ 0.26	- 0.16	+ 0.13	+ 0.22	- 4.41	+ 0.24
2623	- 0.30	+ 0.69	+ 0.98	- 1.66	- 0.16	+ 0.89	- 0.29	- 0.36	- 0.93	+ 1.77
4724	+ 0.13	+ 0.13	+ 0.71	+ 1.63	- 0.09	- 0.59	+ 0.43	+ 1.08	- 0.42	- 1.43
4725	- 0.32	- 0.06	- 0.36	- 2.84	- 0.44	+ 0.90	- 0.49	- 1.64	+ 4.41	+ 2.66
2628	+ 0.90	- 0.16	- 0.36	- 2.34	+ 3.34	+ 0.45	- 0.04	- 0.08	- 2.91	+ 2.39
4727	+ 0.06	- 0.08	- 0.24	- 3.42	+ 0.89	- 0.55	+ 0.25	+ 0.68	- 3.01	- 1.12
2626	+ 0.12	- 0.02	- 0.06	+ 2.80	- 0.57	+ 0.37	- 0.04	- 0.10	+ 1.76	+ 0.64
2625	- 0.03	+ 0.22	+ 0.27	- 0.03	- 0.05	+ 0.06	- 0.22	- 0.25	- 1.73	+ 0.47
2629	- 1.03	+ 0.08	+ 0.25	- 7.93	- 2.24	+ 0.09	+ 0.00	+ 0.01	- 1.52	+ 0.75
4728	+ 0.51	- 1.49	- 2.76	+ 5.87	+ 0.53	+ 0.39	- 0.52	- 0.87	- 6.84	+ 1.42
4729	+ 0.23	- 0.02	- 0.06	+ 0.21	+ 0.96	+ 0.62	- 0.08	- 0.29	+ 6.50	+ 0.64
2630	+ 0.24	- 0.98	- 1.13	+ 0.24	+ 0.32	- 0.36	+ 0.61	+ 0.66	+ 0.06	- 0.55
4730	- 0.10	- 0.05	- 0.61	- 4.04	+ 0.22	- 0.35	+ 0.10	+ 0.61	- 5.87	- 0.75
4731	- 0.24	+ 0.41	+ 0.70	- 2.46	- 0.04	- 0.18	+ 0.11	+ 0.18	+ 3.78	- 1.00
2642	- 0.71	+ 0.07	+ 0.19	- 3.64	- 1.36	- 0.89	+ 0.10	+ 0.25	+ 1.25	- 3.41
2631	+ 0.60	- 0.07	- 0.21	+ 2.44	+ 1.67	- 0.24	+ 0.04	+ 0.11	- 2.86	- 0.01
4732	+ 0.05	- 0.10	- 0.77	- 3.78	+ 1.38	- 0.17	+ 0.08	+ 0.49	+ 2.03	- 1.65
4733	+ 0.02	- 0.01	- 0.01	+ 0.20	+ 0.02	- 0.06	+ 0.02	+ 0.05	+ 0.10	- 0.26
2632	- 0.92	+ 0.30	+ 0.47	- 3.71	- 0.86	- 0.54	+ 0.15	+ 0.24	+ 3.69	- 2.31
4735	- 0.10	- 0.02	- 0.05	- 2.23	+ 0.37	- 0.92	+ 0.12	+ 0.26	- 3.18	- 1.82
2634	- 0.72	+ 0.11	+ 0.27	+ 0.91	- 2.71	- 0.07	+ 0.01	+ 0.01	- 0.01	- 0.25
4736	- 0.67	+ 0.46	+ 0.99	- 3.85	- 1.19	+ 0.16	+ 0.11	+ 0.26	- 0.87	+ 0.34
4737	- 0.40	+ 0.30	+ 0.37	- 2.84	- 0.26	- 0.45	+ 0.18	+ 0.22	- 5.61	- 0.16
2635	- 0.57	+ 0.53	+ 0.67	- 3.00	+ 0.67	- 0.20	+ 0.16	+ 0.16	+ 1.04	- 1.05
4738	+ 0.36	- 0.05	- 0.14	+ 2.12	+ 0.58	+ 0.05	+ 0.00	- 0.01	+ 2.66	- 0.68

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
2610	1.02	0.36	0.37	2.39	1.45	1.02	0.45	0.46	2.52	1.42	1.42	1.43	1.52	1.67	0.83	
2607	0.64	0.50	0.51	1.46	0.69	0.67	0.35	0.35	1.72	0.72	0.82	1.44	3.54	1.21	1.00	t
4706	1.16	0.53	0.54	3.34	2.12	1.20	0.58	0.60	3.62	2.29	0.57	1.26		1.34	1.60	t
2609	0.65	0.66	0.70	1.35	0.76	0.73	0.62	0.65	1.72	0.87	1.31	2.58	1.74	0.70	0.69	t
4707	0.86	0.92	1.30	4.35	1.08	0.98	0.94	1.18	4.62	1.44	3.37	1.33		1.30	1.64	
4708	1.08	0.82	0.90	3.52	2.03	1.05	0.80	0.88	3.22	1.95	1.85	1.81		2.64	1.39	
4709	0.79	1.04	1.62	2.29	0.92	0.93	0.91	1.12	3.12	1.26	0.85	1.39		1.40	0.56	
4710	0.80	0.58	0.63	3.13	1.19	0.87	0.65	0.72	3.34	1.34	0.80	1.10		1.01	1.05	
4711	0.88	1.09	1.19	2.51	0.95	0.97	1.06	1.15	2.73	1.07	1.01	0.29	0.76	1.21	0.76	t
4712	1.01	0.56	0.58	3.69	1.55	1.02	0.43	0.44	3.72	1.64	0.89	2.03	1.05	1.35	1.38	
2614	0.51	0.72	0.78	0.89	0.57	0.54	0.44	0.46	1.12	0.62	1.76	1.18	3.16	1.04	0.91	t
2613	1.10	0.95	1.03	2.59	1.22	1.29	0.94	1.01	2.81	1.64	2.09	1.84	0.65	1.34	0.71	t
4713	0.79	0.85	1.04	2.89	0.96	0.72	0.55	0.59	3.02	0.89	1.29	1.74	1.11	1.36	1.46	
4714	1.06	0.57	0.60	2.84	1.57	1.01	0.42	0.44	2.92	1.46	0.77	2.69	1.89	1.68	0.36	
2615	0.56	0.52	0.55	1.29	0.64	0.60	0.45	0.47	1.42	0.69	3.23	7.81	6.03	1.14	2.28	
4716	1.14	0.56	0.58	3.43	2.03	1.09	0.59	0.62	3.33	1.78	2.55	1.75	0.66	1.99	1.12	
2612	0.78	0.47	0.49	1.56	1.08	1.09	0.55	0.57	2.73	1.81	2.57	0.73	1.04	1.89	0.36	t
4717	0.87	0.96	1.29	2.67	1.11	0.82	0.82	1.01	2.52	1.09	0.25	1.54		1.68	1.30	
4719	0.90	0.65	0.71	3.25	1.49	0.82	0.49	0.51	3.23	1.33	1.93	2.01	0.44	1.31	0.54	
2624	1.03	0.58	0.61	2.37	1.55	0.99	0.42	0.43	2.42	1.45	0.89	1.26	1.04	0.98		
2622	1.06	0.53	0.55	2.74	1.78	0.93	0.37	0.38	2.32	1.41	0.54	0.83	1.27	0.90	0.60	t
2620	0.82	0.88	0.99	1.83	0.99	0.93	0.68	0.72	2.31	1.21	1.71	0.92	1.46	2.17	1.06	
4721	0.86	1.07	1.32	2.28	1.02	0.99	0.89	1.01	2.62	1.27	5.10	0.67		2.63	2.41	
4722	0.89	1.25	1.46	2.29	1.02	0.89	0.79	0.84	2.63	1.00	1.78	1.06	0.38	1.93	0.73	
2621	0.59	0.93	1.01	1.08	0.64	0.66	0.74	0.78	1.32	0.74	0.92	0.90	0.65	0.42	0.27	
4723	0.84	0.88	1.01	2.71	1.00	0.82	0.74	0.81	2.82	0.98	1.80	0.57	0.11	1.66	0.46	
2623	0.73	1.19	1.41	1.83	0.73	0.97	0.78	0.85	2.31	1.17	1.15	1.83	0.93	1.29	0.98	t
4724	1.11	1.40	2.05	3.46	1.32	1.07	0.99	1.23	3.72	1.37	1.37	0.46		0.53	0.85	
4725	0.93	0.82	0.97	3.74	1.32	0.92	0.81	0.97	3.24	1.33	2.65	1.92		0.78	1.36	
2628	1.10	0.61	0.64	3.52	1.70	1.11	0.56	0.58	3.32	1.85	1.01	2.42	0.60	2.01	1.46	
4727	0.94	0.77	0.87	3.05	1.31	0.97	0.76	0.85	2.92	1.42	1.27	1.59		1.42	0.67	t
2626	0.85	0.45	0.47	2.50	1.54	0.79	0.37	0.38	2.32	1.33	1.37	0.63	2.98	1.22	1.04	
2625	0.51	0.85	0.91	1.05	0.50	0.58	0.69	0.72	1.42	0.61	0.96	0.79	1.08	1.42	1.14	t
2629	0.98	0.44	0.45	3.88	1.76	1.02	0.48	0.49	3.91	1.96	2.13	1.42	2.25	1.43	0.97	t
4728	0.83	1.19	1.46	3.03	0.91	0.94	0.97	1.09	3.52	1.09	2.39	3.04		2.80	1.12	
4729	1.10	0.65	0.68	3.55	2.08	1.09	0.64	0.67	3.47	2.07	1.92	0.64	0.59	1.46	0.16	
2630	0.57	0.97	1.03	1.02	0.57	0.58	0.70	0.72	1.22	0.60	1.05	1.86	0.74	0.45	0.22	
4730	0.72	0.81	1.32	2.76	0.88	0.71	0.58	0.82	3.11	1.12	0.99	2.39		2.13	1.55	
4731	0.90	1.09	1.27	2.48	1.05	1.06	0.88	0.96	3.22	1.31	0.86	1.56		1.64	1.38	
2642	1.12	0.52	0.54	3.63	1.89	1.14	0.53	0.55	3.82	1.94	1.08	1.98	2.71	1.22	1.69	t
2631	0.75	0.39	0.40	2.39	1.39	0.75	0.41	0.43	2.31	1.37	1.67	1.30	2.39	1.10	1.37	t
4732	1.02	1.11	1.72	2.74	1.34	0.97	0.88	1.03	3.41	1.60	1.49	1.03		1.95	0.63	
4733	0.82	0.59	0.64	3.01	1.22	0.92	0.62	0.67	3.58	1.53	0.19	0.07		0.11	0.83	
2632	0.95	0.59	0.62	2.43	1.23	1.02	0.57	0.59	2.61	1.39	2.11	1.93	1.91	2.28	3.60	t
4735	1.07	0.44	0.45	3.37	1.74	1.05	0.50	0.52	3.44	1.61	1.18	1.25	1.26	0.77	1.48	
2634	0.85	0.46	0.48	2.39	1.41	0.87	0.41	0.42	2.51	1.48	0.26	2.01	0.19	1.31	1.19	
4736	0.87	0.78	0.89	3.65	1.09	0.97	0.66	0.72	4.22	1.34	1.57	1.31		0.75	0.30	
4737	0.76	0.67	0.70	2.64	0.82	0.82	0.56	0.58	3.23	0.89	2.13	0.69	2.35	1.88	0.74	
2635	0.77	0.89	0.95	1.32	0.86	0.74	0.63	0.65	1.23	0.90	2.31	1.09	1.49	2.70	2.82	
4738	1.03	0.56	0.58	3.08	1.76	1.00	0.47	0.48	3.03	1.70	0.54	1.13		1.06	0.60	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
4739	40172	FX	29 Lyn	8 12 15.683 943	- 60 2 21.555 39	- 10.43	+ 5.20
2643	40263	RS		8 13 21.775 679	- 1 9 57.184 69	- 28.91	+ 5.63
2639	40273	BX		8 13 27.767 173	+ 48 16 50.944 25	- 29.91	- 13.27
2640	40305	BX		8 13 50.175 376	+ 56 27 8.072 99	- 21.94	- 31.18
4741	40453	FX		8 15 33.540 574	- 13 37 27.359 75	- 2.76	- 2.23
4743	40486	FX		8 15 59.044 328	- 30 11 4.420 13	+ 0.13	- 7.29
4744	40611	FX		8 17 29.099 400	- 26 18 7.210 30	+ 3.71	- 13.24
2645	40646	RS		8 17 50.414 411	+ 59 34 16.079 58	- 4.19	+ 1.96
4745	40806	FX		8 19 43.195 636	+ 50 16 37.942 88	- 2.03	- 2.55
4746	40810	FX		8 19 44.479 073	- 49 32 12.355 29	- 66.29	+ 15.43
4747	40820	FX		8 19 52.510 728	+ 4 44 34.501 31	- 6.23	+ 6.07
4748	40836	FX		8 20 1.432 775	+ 19 27 11.699 91	+ 2.05	+ 3.09
2646	40866	RS		8 20 20.972 058	+ 20 44 51.792 96	+ 63.30	- 45.91
2648	40947	BX		8 21 24.185 920	- 39 37 14.569 69	+ 7.62	+ 6.51
4750	40964	FX		8 21 35.668 021	+ 69 1 49.147 64	- 41.73	- 55.25
2650	41036	RS		8 22 30.164 061	- 6 10 44.966 63	- 59.68	+ 0.89
4752	41060	FX		8 22 44.069 667	+ 60 37 52.448 37	+ 9.27	- 2.25
4753	41096	FX		8 23 3.032 864	+ 27 5 37.913 81	- 2.37	- 12.83
2649	41152	RS		8 23 48.501 544	+ 53 13 10.959 72	- 28.32	- 98.89
4754	41159	FX		8 23 52.039 413	+ 32 17 36.573 51	- 9.76	- 8.72
4755	41166	FX		8 23 56.187 035	- 1 29 52.833 20	- 15.52	- 18.23
3952	41208	BX		8 24 33.023 983	+ 82 25 50.736 05	- 18.67	- 25.62
4756	41254	FX		8 25 0.358 256	- 74 54 43.910 56	+ 22.92	+ 41.89
2652	41262	RS		8 25 4.886 789	+ 35 0 41.069 55	- 12.01	- 11.34
4757	41280	FX		8 25 18.295 110	- 22 8 24.943 77	- 17.85	+ 29.32
2654	41299	RS	8 25 35.537 946	+ 2 6 7.962 53	- 21.15	- 15.49	
2657	41328	BX	8 25 55.590 174	- 14 55 46.780 15	- 10.65	+ 38.78	
4758	41364	FX	8 26 17.845 069	- 18 4 15.300 34	- 3.21	+ 1.13	
2661	41373	RS	8 26 25.205 165	- 52 48 26.998 99	- 38.00	+ 1.00	
2656	41377	RS	φ^1 Cnc	8 26 27.705 734	+ 27 53 36.899 17	- 33.66	- 114.91
2658	41400	RS	27 Cnc	8 26 43.938 829	+ 12 39 16.602 49	- 18.52	- 103.16
4759	41406	FX	8 26 47.082 747	+ 39 53 31.973 89	+ 10.14	- 15.61	
4760	41470	FX	8 27 31.468 777	+ 11 15 13.520 50	- 5.76	- 3.58	
4761	41479	FX	8 27 35.126 312	- 5 8 55.086 96	- 124.84	- 80.14	
2660	41484	RS	8 27 36.783 808	+ 45 39 10.750 54	- 20.97	- 351.72	
4763	41537	FX	8 28 14.482 802	- 42 13 49.356 34	- 0.39	+ 31.84	
2663	41629	RS	8 29 12.741 409	+ 32 41 32.302 37	- 4.55	- 2.90	
2662	41676	RS	8 29 46.195 180	+ 67 17 50.784 10	- 65.36	+ 10.39	
4765	41731	FX	8 30 34.840 608	+ 2 6 0.950 68	- 7.02	- 1.14	
4766	41747	FX	8 30 46.520 161	- 11 47 58.934 69	- 24.83	+ 7.93	
2659	41755	RS	8 30 51.952 875	+ 78 13 42.345 90	- 5.19	- 26.46	
4767	41786	FX	8 31 12.405 407	+ 7 0 23.072 01	- 12.76	+ 12.66	
4768	41808	FX	8 31 26.612 479	+ 71 1 28.169 67	- 13.68	- 30.40	
2666	41816	BX	v^1 Cnc	8 31 30.519 824	+ 24 4 51.985 86	- 80.47	- 44.86
2667	41822	RS	ϑ Cnc	8 31 35.730 372	+ 18 5 39.910 69	- 59.53	- 56.81
4769	41864	FX	8 32 11.351 392	- 56 38 2.046 88	- 12.09	+ 20.05	
4770	41900	FX	8 32 38.227 961	+ 15 44 22.087 53	+ 4.29	- 9.75	
2668	42019	BX	8 33 55.075 388	+ 58 36 26.065 27	- 14.31	- 29.99	
2669	42028	RS	8 34 1.617 795	- 2 9 5.597 58	- 33.17	+ 20.55	
4771	42029	FX	8 34 1.720 716	- 25 5 57.836 85	+ 6.29	- 0.11	

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4739	91.23	0.66	0.68	91.35	0.60	0.61	2.38	0.55	P		8.03		11	1	3
2643	90.98	0.72	0.76	90.94	0.50	0.59	6.28	0.98	H		6.48		11	1	3
2639	91.10	0.74	0.71	91.22	0.48	0.56	6.47	0.84	H		6.84		31		
2640	91.40	0.46	0.41	91.22	0.44	0.49	6.59	0.73	H	+ 7.3	5.88		29	2	
4741	91.15	0.74	0.76	90.98	0.59	0.74	3.65	0.84	P	- 4.	7.06	1	31		
4743	91.13	0.40	0.46	91.36	0.55	0.59	2.84	0.72	H		7.01		11	1	3
4744	91.06	0.45	0.43	91.30	0.47	0.43	3.80	0.52	P		7.32		11	1	3
2645	91.54	0.48	0.43	91.53	0.41	0.43	10.73	0.68	H	- 14.7	5.63		19	1	1
4745	91.11	0.94	0.69	91.20	0.58	0.69	3.80	1.01	H		8.02		11	1	3
4746	91.29	0.51	0.52	91.31	0.47	0.44	4.87	0.58	H		7.13		31		
4747	91.36	1.15	0.79	91.11	0.78	0.80	2.87	1.28	H		9.24		11	1	3
4748	91.41	1.21	0.77	91.04	0.54	0.77	.83	1.33	H		8.83	1	11	1	3
2646	91.51	0.78	0.56	91.06	0.36	0.49	6.39	0.82	H	- 11.9	5.80		19	1	1
2648	91.17	0.40	0.39	91.21	0.42	0.42	14.89	0.53	H	- 11.8	6.15		39		
4750	91.23	0.49	0.49	91.19	0.64	0.63	11.53	0.95	H	- 0.3	8.25		15	1	3
2650	91.04	0.75	0.71	90.84	0.49	0.72	15.36	0.97	H	+ 20.5	6.14		11	1	3
4752	90.85	0.40	0.38	91.44	0.44	0.42	7.34	0.71	H	- 5.9	6.42		31		
4753	91.15	1.07	0.79	91.15	0.62	0.72	.42	1.16	H		8.16		11	1	3
2649	90.94	0.62	0.57	91.04	0.47	0.60	19.46	0.71	H	+ 21.3	5.52		31		
4754	91.32	0.80	0.64	91.29	0.49	0.47	4.90	0.68	P	- 2.4	7.72		31		
4755	91.07	0.76	0.66	91.01	0.55	0.67	5.45	0.97	H		6.91		11	1	3
3952	91.29	0.45	0.39	91.39	0.41	0.42	4.80	0.55	H	- 21.	6.28		39		
4756	91.14	0.54	0.52	91.21	0.48	0.47	14.90	0.55	H		7.17		31		
2652	91.45	0.69	0.75	91.26	0.42	0.55	4.57	0.82	H	+ 33.1	6.08		11	1	3
4757	90.99	0.50	0.53	91.22	0.48	0.50	7.38	0.76	H		6.93		11	1	3
2654	91.03	0.65	0.66	90.83	0.43	0.59	5.42	0.89	H	+ 11.6	5.74		29	2	
2657	91.34	0.58	0.46	91.10	0.44	0.45	9.79	0.72	H	+ 8.8	5.96		11	1	3
4758	91.39	0.82	0.83	91.14	0.75	0.84	2.90	0.67	P		8.08		31		
2661	91.15	0.43	0.53	91.16	0.38	0.40	14.07	0.45	H	+ 30.2	6.05		11	1	3
2656	91.29	0.76	0.57	91.06	0.48	0.53	8.19	0.84	H	+ 25.1	5.58		19	1	1
2658	91.60	0.93	0.56	91.16	0.54	0.48	3.10	1.10	H	- 7.3	5.56	2	13		
4759	91.27	0.85	0.76	91.24	0.50	0.53	2.30	0.90	H		7.08		31		
4760	91.39	1.31	0.89	91.10	0.76	0.76	.51	1.44	H		9.12		31		
4761	91.44	0.86	0.80	90.85	0.58	0.74	23.89	1.01	H		7.17		11	1	3
2660	91.18	0.80	0.81	91.20	0.48	0.62	45.89	0.84	H	- 32.5	6.32		31		
4763	91.19	0.51	0.52	91.42	0.54	0.56	2.44	0.56	P		7.56	1	31		
2663	91.35	0.64	0.62	91.32	0.42	0.48	3.77	0.79	H	- 11.	6.92		11	1	3
2662	91.34	0.30	0.31	91.26	0.39	0.44	10.12	0.62	H	- 2.8	5.89		11	1	3
4765	91.16	1.13	0.94	90.75	0.76	0.86	4.30	0.59	P		9.07		21	2	
4766	91.25	0.81	0.77	90.93	0.55	0.64	2.19	1.07	H		7.54		11	1	3
2659	91.26	0.49	0.49	91.23	0.44	0.45	4.12	0.64	H		7.08		11	1	3
4767	91.35	1.12	0.88	91.08	0.66	0.73	1.55	1.30	H		8.19		11	1	3
4768	91.46	0.57	0.52	91.32	0.63	0.63	5.66	0.89	H		8.22		11	1	3
2666	91.24	0.72	0.53	91.13	0.45	0.45	13.75	0.78	H	+ 19.	5.71	1	39		
2667	91.46	0.80	0.41	91.19	0.49	0.39	6.60	0.92	H	+ 44.0	5.33	1	13		
4769	91.30	0.61	0.54	91.60	0.59	0.63	2.92	0.68	H		7.98		15	1	3
4770	91.57	0.94	0.73	91.13	0.67	0.68	3.95	1.15	H		8.00		11	1	3
2668	91.47	0.47	0.50	91.51	0.45	0.54	4.97	0.78	H	- 6.4	6.87		11	1	3
2669	91.26	0.64	0.59	90.89	0.46	0.57	10.00	0.86	H	+ 2.8	5.80		11	1	3
4771	91.02	0.47	0.47	91.20	0.45	0.47	9.05	0.70	H		6.99		31		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4739	+ 0.34	- 0.08	- 0.29	+ 4.21	+ 0.67	+ 0.17	- 0.02	- 0.05	+ 2.51	+ 0.13
2643	- 0.05	+ 0.07	+ 0.16	- 0.85	+ 0.04	+ 0.60	- 0.11	- 0.24	+ 3.54	+ 0.59
2639	+ 0.27	- 0.46	- 0.89	+ 3.19	- 0.50	+ 0.02	- 0.09	- 0.17	- 3.25	+ 1.33
2640	- 0.38	+ 0.45	+ 0.50	+ 0.18	- 0.78	- 1.24	+ 1.16	+ 1.59	- 2.29	- 1.46
4741	+ 1.23	- 0.44	- 1.28	+ 4.08	+ 3.27	+ 0.44	+ 0.00	+ 0.06	+ 0.27	+ 1.33
4743	- 0.36	+ 0.05	+ 0.13	- 2.13	- 0.69	- 0.48	+ 0.11	+ 0.33	- 2.70	- 1.10
4744	- 0.29	- 0.02	- 0.05	- 2.31	- 0.16	+ 1.11	- 0.12	- 0.27	+ 1.91	+ 2.68
2645	- 0.05	- 0.02	- 0.03	- 0.68	+ 0.20	+ 0.29	- 0.09	- 0.11	+ 0.36	+ 0.37
4745	- 0.50	+ 0.97	+ 2.28	- 0.96	- 1.21	- 0.32	+ 0.31	+ 0.72	- 6.22	- 0.26
4746	+ 0.28	- 0.05	- 0.10	- 0.78	+ 1.03	- 2.00	+ 0.28	+ 0.53	- 3.56	- 3.93
4747	- 0.09	+ 0.33	+ 1.41	- 2.87	+ 0.02	- 0.03	+ 0.07	+ 0.31	- 1.24	+ 0.09
4748	- 0.01	+ 0.03	+ 0.43	+ 0.62	- 0.20	- 0.05	+ 0.05	+ 0.44	- 2.75	- 0.09
2646	- 0.48	+ 0.98	+ 1.51	- 1.08	- 0.62	- 0.27	+ 0.22	+ 0.32	+ 0.15	- 0.63
2648	+ 1.67	- 0.23	- 0.29	+ 0.38	+ 2.98	+ 0.42	- 0.03	- 0.04	- 2.17	+ 1.55
4750	- 0.13	- 0.10	- 0.16	- 3.57	+ 0.26	+ 0.95	- 0.47	- 0.67	+ 2.24	+ 1.24
2650	- 0.40	+ 0.34	+ 0.47	- 1.64	- 0.24	+ 0.14	- 0.06	- 0.09	+ 1.85	- 0.09
4752	+ 0.39	- 0.11	- 0.14	- 6.97	+ 1.19	- 0.34	+ 0.10	+ 0.13	- 2.26	- 0.32
4753	+ 0.01	- 0.03	- 0.33	- 1.70	+ 0.50	+ 0.08	- 0.08	- 1.03	- 3.40	+ 1.63
2649	- 0.20	+ 0.62	+ 0.74	+ 1.92	- 0.83	- 0.94	+ 0.39	+ 0.50	+ 2.58	- 3.40
4754	- 0.85	+ 1.23	+ 2.35	- 5.16	- 1.21	+ 0.02	- 0.40	- 0.82	+ 3.02	- 0.11
4755	- 0.40	+ 0.69	+ 1.25	+ 0.69	- 1.02	- 0.23	+ 0.06	+ 0.11	- 4.77	+ 0.41
3952	+ 0.42	- 0.49	- 0.64	- 1.25	+ 1.05	+ 0.48	- 0.20	- 0.28	+ 1.20	+ 0.60
4756	- 1.20	+ 0.25	+ 0.35	+ 0.07	- 2.05	+ 2.02	- 0.31	- 0.43	+ 1.02	+ 3.13
2652	+ 0.14	- 0.18	- 0.42	+ 0.73	+ 0.24	- 0.39	+ 0.08	+ 0.20	- 1.35	- 0.79
4757	- 0.21	- 0.04	- 0.07	- 0.31	- 0.41	- 1.46	+ 0.22	+ 0.38	- 5.75	- 1.54
2654	+ 0.23	- 0.16	- 0.27	+ 1.45	+ 0.11	+ 1.90	- 0.45	- 0.91	+ 9.90	+ 2.22
2657	+ 0.34	- 0.25	- 0.31	+ 1.23	+ 0.09	+ 0.25	- 0.08	- 0.10	+ 0.98	+ 0.14
4758	+ 0.72	- 0.12	- 0.66	+ 9.41	+ 0.87	+ 0.18	- 0.01	- 0.08	+ 6.79	- 2.78
2661	- 0.35	+ 0.03	+ 0.05	- 3.50	- 0.06	- 0.45	+ 0.02	+ 0.04	- 1.33	- 0.73
2656	+ 0.52	- 0.57	- 0.82	+ 2.32	- 0.08	+ 0.15	+ 0.00	+ 0.02	+ 0.69	- 0.07
2658	- 0.14	+ 0.47	+ 1.15	- 0.68	- 0.19	- 0.09	+ 0.08	+ 0.15	+ 0.05	- 0.24
4759	- 0.28	+ 0.36	+ 1.25	- 3.11	- 0.58	+ 0.30	- 0.17	- 0.45	+ 4.73	+ 0.08
4760	+ 0.06	- 0.21	- 4.59	+ 1.00	+ 1.39	- 0.07	+ 0.09	+ 0.90	+ 1.15	- 1.04
4761	+ 0.17	- 0.14	- 0.20	- 1.63	+ 0.69	- 0.45	+ 0.17	+ 0.24	- 3.88	+ 0.19
2660	- 1.20	+ 1.56	+ 1.99	+ 3.63	- 3.12	- 0.96	+ 0.17	+ 0.23	+ 0.91	- 2.09
4763	- 0.36	+ 0.06	+ 0.20	- 1.35	- 1.20	- 0.51	+ 0.12	+ 0.36	- 6.36	+ 0.00
2663	- 0.25	+ 0.06	+ 0.15	- 4.76	+ 0.23	- 0.14	- 0.03	- 0.06	- 4.66	+ 0.93
2662	- 0.79	+ 0.18	+ 0.23	+ 0.30	- 1.49	- 0.61	+ 0.21	+ 0.28	- 0.83	- 0.94
4765	- 0.09	+ 0.20	+ 0.66	+ 2.48	- 1.20	+ 1.11	- 0.76	- 2.08	+ 9.19	+ 1.21
4766	- 0.02	+ 0.01	+ 0.03	+ 0.04	- 0.15	- 0.09	+ 0.02	+ 0.08	- 3.90	+ 0.42
2659	- 0.05	+ 0.03	+ 0.05	+ 1.99	- 1.03	- 0.14	+ 0.02	+ 0.04	+ 4.94	- 2.12
4767	- 0.09	+ 0.12	+ 0.70	- 2.31	- 0.24	+ 0.08	- 0.05	- 0.21	+ 0.83	+ 0.30
4768	- 0.69	+ 0.29	+ 0.47	- 0.91	- 1.11	+ 0.08	+ 0.10	+ 0.18	- 0.59	+ 0.16
2666	+ 0.74	- 1.33	- 1.65	+ 1.24	+ 0.77	+ 1.10	- 0.74	- 0.86	+ 1.10	+ 1.40
2667	+ 0.10	- 0.37	- 0.52	+ 0.58	- 0.04	- 0.19	+ 0.25	+ 0.31	+ 0.32	- 0.43
4769	+ 0.46	- 0.07	- 0.23	+ 1.59	+ 1.51	- 0.66	+ 0.11	+ 0.41	- 4.52	- 1.85
4770	+ 0.36	- 0.59	- 1.40	- 1.74	+ 1.41	- 0.66	+ 0.36	+ 0.85	- 0.39	- 1.78
2668	- 0.29	+ 0.23	+ 0.35	- 0.93	- 0.18	+ 0.12	+ 0.00	+ 0.00	+ 0.26	+ 0.17
2669	+ 0.18	- 0.15	- 0.21	+ 1.67	- 0.23	- 0.15	+ 0.09	+ 0.13	- 1.14	+ 0.05
4771	+ 0.94	- 0.12	- 0.21	- 3.30	+ 3.40	- 0.91	+ 0.14	+ 0.22	+ 2.44	- 2.67

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
4739	0.98	0.70	0.76	3.56	1.74	0.94	0.63	0.68	3.43	1.64	1.44	0.52	1.15	1.09	0.87	
2643	1.01	0.89	1.00	2.87	1.27	1.13	0.62	0.65	3.21	1.70	1.20	0.46	0.39	0.86	0.70	
2639	0.83	1.02	1.23	1.74	1.02	0.87	0.64	0.69	1.92	1.15	2.50	1.13	0.21	2.75	0.95	
2640	0.52	0.62	0.67	0.97	0.62	0.66	0.66	0.71	1.33	0.81	2.60	3.29	4.65	0.99	1.28	t
4741	1.04	0.81	0.91	2.65	1.70	1.03	0.79	0.88	2.72	1.67	1.92	2.51	3.19	0.42	1.22	
4743	0.90	0.47	0.49	2.88	1.56	0.93	0.61	0.65	3.02	1.52	1.25	1.00	0.48	0.65	0.88	
4744	0.95	0.44	0.46	2.99	1.52	0.95	0.44	0.46	3.02	1.49	1.04	1.90	0.07	0.68	0.90	
2645	0.61	0.61	0.64	1.19	0.66	0.85	0.49	0.50	1.63	1.07	0.57	0.46	1.42	0.65	0.20	t
4745	0.77	0.93	1.17	3.10	0.88	0.86	0.81	0.94	3.62	1.06	2.46	2.09		1.58	1.62	
4746	1.01	0.54	0.56	2.76	1.55	0.97	0.46	0.47	2.73	1.43	1.50	3.04	1.75	0.58	0.70	
4747	0.82	1.09	1.73	2.44	0.95	0.91	0.93	1.18	2.62	1.21	0.71	1.51		1.20	0.81	
4748	0.78	0.89	1.67	2.58	0.92	0.82	0.82	1.10	3.11	1.16	0.46	0.97		0.85	0.66	
2646	0.67	0.84	0.96	1.29	0.80	0.74	0.59	0.63	1.51	0.95	1.61	1.87	1.73	0.53	1.55	t
2648	1.07	0.41	0.42	2.22	1.37	1.10	0.44	0.45	2.41	1.41	0.92	2.54	1.33	1.66	2.60	t
4750	0.90	0.56	0.58	3.07	1.01	0.99	0.74	0.78	3.24	1.16	1.38	1.41		1.22	1.23	t
2650	1.01	0.91	0.97	2.26	1.19	1.46	0.76	0.79	4.31	1.99	0.96	0.46	0.86	0.68	1.43	
4752	0.76	0.42	0.43	2.93	0.87	0.80	0.47	0.48	3.33	0.90	2.41	1.45	1.13	2.73	0.66	
4753	0.80	0.83	1.32	2.83	1.05	0.74	0.74	1.02	2.92	1.07	1.88	0.89		1.77	1.26	
2649	0.83	0.86	0.91	2.00	0.80	1.16	0.67	0.69	2.22	1.53	1.04	2.62	2.07	2.56	1.11	t
4754	0.77	0.85	1.01	2.69	0.90	0.73	0.57	0.63	2.82	0.86	2.89	2.63	0.94	1.75	1.72	
4755	0.77	0.91	1.08	2.14	0.91	0.93	0.77	0.85	2.82	1.20	1.68	1.62	1.70	1.85	0.84	
3952	0.53	0.53	0.57	1.23	0.60	0.68	0.49	0.51	2.05	0.81	0.83	2.24	3.11	1.70	0.21	t
4756	1.17	0.56	0.57	3.40	1.45	1.16	0.49	0.50	3.44	1.42	0.42	2.81	0.49	0.81	0.07	
2652	0.92	0.92	1.08	2.47	1.15	1.06	0.57	0.60	2.81	1.76	0.68	0.66	0.59	0.25	0.70	
4757	1.25	0.54	0.56	3.23	2.05	1.09	0.52	0.54	2.81	1.56	2.14	1.17	1.41	1.31	1.09	
2654	0.87	0.80	0.90	2.12	1.11	1.04	0.63	0.66	2.91	1.53	3.70	1.90	4.41	2.40	1.31	t
2657	0.67	0.60	0.63	1.32	0.78	0.76	0.52	0.54	1.82	0.88	1.20	0.47	1.63	0.85	1.01	
4758	1.19	0.84	0.90	3.59	2.72	1.19	0.86	0.92	3.41	2.71	1.08	3.35		2.90	1.29	
2661	1.53	0.54	0.55	4.91	2.19	1.50	0.41	0.41	4.81	2.15	0.77	0.36	0.56	0.65	0.93	
2656	0.74	0.79	0.86	1.36	0.91	0.79	0.64	0.68	1.51	1.02	2.01	0.59	1.61	1.52	0.58	t
2658	0.61	0.88	1.20	1.19	0.76	0.62	0.59	0.66	1.32	0.81	1.08	1.01	1.86	0.39	1.09	t
4759	0.85	0.88	1.12	2.57	1.13	0.74	0.58	0.64	2.53	1.02	2.50	1.21	2.19	1.93	1.73	
4760	0.89	0.95	1.89	2.69	1.08	0.78	0.80	1.19	2.92	1.04	3.08	1.70		0.72	2.01	
4761	1.20	0.96	1.02	3.02	1.42	1.29	0.83	0.87	3.21	1.61	0.51	1.32		1.33	0.89	
2660	1.19	1.07	1.14	2.85	1.26	1.51	0.65	0.66	3.61	1.93	0.57	3.22	1.90	2.29	1.13	t
4763	0.91	0.53	0.56	2.71	1.73	0.87	0.58	0.62	2.63	1.47	0.80	2.55		2.11	1.86	
2663	0.95	0.67	0.73	3.17	1.34	1.07	0.51	0.54	3.61	1.95	1.99	0.50	0.80	1.99	2.17	
2662	0.79	0.33	0.34	1.61	0.96	1.03	0.47	0.48	2.62	1.32	0.42	1.85	1.80	0.96	0.49	
4765	1.05	1.14	1.46	2.59	1.41	1.06	0.96	1.11	2.82	1.53	1.95	3.78		2.79	1.30	
4766	0.99	0.80	0.90	3.40	1.66	0.94	0.66	0.71	3.51	1.68	0.21	1.11		1.11	0.55	
2659	0.80	0.55	0.58	1.73	1.13	1.06	0.46	0.47	3.32	1.88	1.80	1.39	0.77	2.36	0.66	
4767	0.94	0.97	1.32	3.01	1.28	0.86	0.77	0.91	2.92	1.34	0.60	0.98		0.65	0.79	
4768	0.84	0.60	0.64	3.00	1.01	0.92	0.73	0.80	3.14	1.15	1.33	0.51		0.23	0.63	
2666	0.66	0.84	0.90	1.14	0.79	0.70	0.58	0.60	1.32	0.82	2.44	3.06	2.31	0.39	1.05	t
2667	0.48	0.78	0.88	0.90	0.54	0.53	0.53	0.56	1.12	0.62	0.88	0.97	0.95	0.83	1.03	t
4769	0.98	0.56	0.58	3.17	1.80	1.05	0.65	0.68	3.33	2.07	1.56	1.38	2.15	0.68	0.77	t
4770	0.84	0.93	1.15	2.34	1.04	0.94	0.76	0.84	2.92	1.29	2.45	0.43		1.30	0.75	
2668	0.68	0.63	0.69	1.30	0.88	0.95	0.58	0.61	2.12	1.41	0.88	0.49	1.82	0.48	0.17	
2669	0.85	0.75	0.80	1.82	1.01	0.98	0.65	0.68	2.31	1.23	1.07	0.06	1.46	1.02	0.51	t
4771	1.18	0.49	0.50	2.88	1.72	1.14	0.49	0.50	2.92	1.58	1.29	2.65	0.33	2.52	0.73	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2674	42088	BX		8 34 43.596 801	- 49 56 39.131 25	- 13.19	+ 17.75
4772	42111	FX		8 35 2.991 098	+ 41 1 25.634 15	- 43.10	- 18.49
4773	42136	FX		8 35 22.086 702	- 51 49 13.522 26	- 15.73	+ 13.57
2672	42146	RS	3 Hya	8 35 28.198 810	- 7 58 56.252 20	- 21.20	+ 15.88
4774	42162	FX		8 35 42.759 811	- 32 12 50.221 21	+ 2.44	- 10.14
2673	42184	RS		8 36 2.470 513	+ 24 3 4.139 11	- 1.69	+ 1.16
2671	42197	BX		8 36 15.565 223	+ 42 34 47.510 47	+ 9.99	- 5.98
2675	42265	BX	36 Cnc	8 37 5.769 805	+ 9 39 20.104 52	- 27.88	- 4.90
2670	42273	BX		8 37 10.090 613	+ 69 41 56.046 98	- 14.98	- 21.11
4776	42403	FX		8 38 45.520 807	+ 23 41 9.257 63	- 46.74	- 148.60
4777	42486	FX		8 39 42.833 218	- 10 28 37.167 08	- 18.61	+ 4.18
2677	42527	RS	π^2 UMa	8 40 12.818 064	+ 64 19 40.569 29	- 59.83	+ 26.39
4778	42529	FX		8 40 13.492 611	+ 4 23 59.058 69	- 27.18	+ 18.98
4779	42575	FX		8 40 42.172 293	+ 55 40 3.839 14	- 265.02	- 369.17
2682	42606	BX		8 41 1.621 386	- 9 3 7.201 05	- 34.04	+ 2.00
4781	42699	FX		8 42 7.550 209	+ 28 39 42.878 10	- 28.90	- 12.31
4782	42759	FX		8 42 49.160 464	- 4 37 25.067 21	+ 18.10	- 19.13
4783	42786	FX		8 43 4.122 453	+ 49 59 14.720 98	- 28.81	- 107.62
2687	42799	RS	η Hya	8 43 13.475 539	+ 3 23 55.181 99	- 18.52	- 1.53
2689	42834	RS		8 43 40.272 946	- 49 49 22.085 94	- 3.38	+ 3.77
2691	42895	BX		8 44 29.957 691	- 65 49 31.544 96	- 63.42	+ 104.05
4784	42900	FX		8 44 31.555 471	- 47 59 9.377 46	- 6.35	+ 5.12
2694	42915	RS		8 44 42.753 407	- 74 47 16.926 64	- 4.24	+ 10.17
2688	42917	RS	49 Cnc	8 44 45.035 991	+ 10 4 54.006 92	- 14.59	- 18.07
2690	42954	BX	46 Cnc	8 45 21.423 782	+ 30 41 51.898 18	- 1.08	- 5.17
4785	42959	FX		8 45 23.932 414	+ 46 10 15.821 89	+ 7.83	- 77.10
4786	43041	FX		8 46 10.076 821	- 26 36 46.055 65	- 8.65	+ 3.50
3953	43068	BX		8 46 22.732 984	+ 82 14 21.416 98	- 8.62	- 20.50
4787	43079	FX		8 46 29.488 399	+ 17 29 45.181 47	- 25.59	- 22.89
2695	43105	RS		8 46 42.549 077	- 56 46 11.196 26	- 9.52	+ 8.41
2693	43142	BX		8 47 14.987 255	- 1 53 49.343 49	- 34.96	+ 8.30
4788	43155	FX		8 47 23.538 861	+ 36 27 23.120 05	- 20.63	- 3.99
4789	43166	FX		8 47 34.274 679	- 18 42 37.620 89	- 6.44	+ 5.68
4790	43185	FX		8 47 50.781 917	+ 66 12 38.186 89	- 49.73	- 89.32
2698	43347	BX		8 49 47.637 761	- 45 18 28.348 40	- 12.73	+ 14.49
2697	43354	BX		8 49 52.351 460	- 39 8 29.770 33	- 63.85	+ 41.31
4791	43403	FX		8 50 28.264 587	- 14 36 47.805 68	- 13.46	+ 6.11
2692	43431	RS		8 50 46.605 373	+ 78 9 54.512 63	+ 1.90	- 12.49
4792	43518	FX		8 51 48.883 611	+ 4 16 53.094 40	- 4.80	+ 4.25
2700	43531	BX	35 Lyn	8 51 56.830 522	+ 43 43 35.772 04	- 14.52	+ 45.83
2703	43565	RS		8 52 20.412 111	- 12 48 31.301 04	- 25.84	- 104.36
4793	43569	FX		8 52 23.940 942	+ 13 14 0.365 15	- 121.10	- 88.52
2702	43625	RS		8 53 6.096 221	+ 52 23 24.826 92	- 34.67	+ 34.35
2701	43644	BX	5 UMa	8 53 22.557 493	+ 61 57 44.164 58	- 9.99	+ 22.34
2704	43685	RS		8 53 55.681 695	+ 35 32 17.856 04	- 25.40	- 18.16
4795	43727	FX		8 54 18.705 162	+ 22 12 40.537 56	- 116.72	- 210.54
4796	43767	FX		8 54 56.207 066	+ 52 57 23.211 73	- 10.95	+ 6.35
2705	43834	RS	ϱ^2 Cnc	8 55 39.680 189	+ 27 55 38.937 82	- 13.06	- 32.91
2706	43894	RS		8 56 30.515 386	+ 40 12 5.306 02	- 82.31	- 38.39
4798	43907	FX		8 56 41.469 503	- 2 22 29.242 62	- 8.49	- 13.06

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2674	91.32	0.46	0.46	91.23	0.37	0.37	3.72	0.48	H	+ 4.4	5.01		35		
4772	91.14	0.91	0.63	91.02	0.58	0.56	2.99	1.00	H		7.42		11	1	3
4773	91.20	0.50	0.53	91.30	0.47	0.46	4.99	0.56	H		7.57		31		
2672	91.26	0.65	0.48	90.99	0.48	0.54	12.15	0.85	H	+ 24.0	5.72		19	1	1
4774	91.18	0.53	0.57	91.47	0.64	0.58	1.81	0.42	P		8.11	1	11	1	3
2673	91.18	0.79	0.74	91.21	0.47	0.51	4.08	0.90	H	+ 9.1	6.99		11	1	3
2671	91.26	0.77	0.58	91.13	0.55	0.68	13.08	0.89	H	- 30.	6.98		11	1	3
2675	91.48	0.79	0.46	91.13	0.52	0.47	7.07	0.90	H	+ 16.4	5.92		25	2	
2670	91.19	0.46	0.42	91.19	0.56	0.55	2.95	0.82	H		7.14		21	2	
4776	91.51	0.86	0.63	91.00	0.48	0.50	28.52	0.95	H		6.89		11	1	3
4777	91.25	0.87	0.97	91.21	0.62	0.70	2.64	1.04	H		8.29		11	1	3
2677	91.12	0.49	0.41	91.23	0.45	0.46	12.92	0.71	H	+ 14.7	4.59		31		
4778	91.09	1.03	0.79	90.87	0.65	0.77	1.05	1.37	H		9.01		11	1	3
4779	91.69	0.66	0.54	91.52	0.60	0.50	23.81	1.01	H	+ 32.7	8.00		31		
2682	91.37	0.68	0.50	91.24	0.48	0.41	7.63	0.87	H	+ 13.7	6.64		11	1	3
4781	91.50	1.04	0.77	91.23	0.62	0.67	5.14	1.20	H		8.98		31		
4782	91.44	0.81	0.67	90.99	0.67	0.69	1.32	1.12	H		8.59		11	1	3
4783	91.31	1.06	0.80	91.63	0.70	0.64	8.64	1.28	H		8.52		31		
2687	91.00	0.70	0.51	90.86	0.41	0.45	6.99	0.92	H	+ 16.8	4.30		19	1	1
2689	91.46	0.53	0.65	91.41	0.46	0.51	1.02	0.23	P	+ 28.	5.15		11	1	3
2691	91.21	0.43	0.44	91.38	0.41	0.38	16.49	0.46	H	+ 8.9	6.03		11	1	3
4784	91.31	0.61	0.61	91.50	0.59	0.54	2.04	0.74	H		7.71	1	35		
2694	91.19	0.55	0.63	91.34	0.50	0.60	8.03	0.57	H		6.66		11	1	3
2688	91.41	0.75	0.61	91.00	0.41	0.51	8.00	0.84	H	+ 25.6	5.63	1	39		
2690	91.18	0.71	0.44	91.16	0.42	0.39	6.84	0.76	H	- 12.2	6.12		39		
4785	91.20	0.80	0.79	91.31	0.60	0.69	11.68	0.94	H	- 24.	7.98		11	1	1
4786	91.42	0.45	0.47	91.01	0.53	0.47	.04	0.85	H		7.09		15	1	3
3953	91.42	0.46	0.42	91.38	0.39	0.39	4.79	0.56	H		6.86		11	1	3
4787	91.61	0.95	0.76	90.98	0.44	0.63	7.45	1.04	H		7.87		31		
2695	91.07	0.39	0.39	91.18	0.39	0.37	5.97	0.43	H	+ 27.	4.50	1	31		
2693	91.43	0.70	0.48	90.86	0.39	0.43	9.61	0.89	H	+ 2.	5.28		28	2	
4788	91.38	0.92	0.70	91.22	0.68	0.60	2.59	1.20	H		8.52		31		
4789	90.69	0.74	0.84	90.85	0.61	0.64	3.82	0.88	P		8.45		11	1	3
4790	91.07	0.51	0.56	91.08	0.54	0.57	9.26	0.91	H	+ 6.	7.82		11	1	3
2698	91.26	0.46	0.54	91.35	0.43	0.42	3.94	0.57	H	+ 5.	4.94		19	1	1
2697	91.38	0.40	0.40	91.55	0.46	0.46	12.82	0.58	H	+ 8.9	6.38		11	1	3
4791	91.16	0.78	0.80	90.88	0.53	0.55	3.27	1.02	H		8.05		11	1	3
2692	91.21	0.52	0.53	91.23	0.53	0.57	2.99	0.70	H	- 43.	6.93	2	33		
4792	91.26	1.03	0.76	91.08	0.80	0.71	1.03	1.36	H		8.69		11	1	3
2700	91.38	0.64	0.38	91.37	0.45	0.39	11.91	0.72	H	+ 14.9	5.15		31		
2703	91.33	0.63	0.66	91.08	0.43	0.47	19.49	0.82	H		6.83		11	1	3
4793	91.60	1.11	0.63	91.23	0.79	0.78	11.81	1.38	H		7.84		11	1	3
2702	91.37	0.77	0.70	91.41	0.51	0.50	28.08	0.85	H		6.92		31		
2701	90.81	0.35	0.34	91.15	0.43	0.38	11.45	0.66	H	- 31.1	5.72		19	1	1
2704	91.19	0.68	0.64	91.03	0.47	0.59	3.43	0.79	H	+ 25.	6.14	1	19	1	1
4795	91.46	0.94	0.67	91.35	0.68	0.63	16.50	1.07	H		7.82		11	1	3
4796	91.28	0.85	0.73	91.41	0.58	0.51	6.21	0.94	H		7.75		31		
2705	91.21	0.72	0.58	90.94	0.45	0.53	5.68	0.84	H	+ 17.1	5.23		29	2	
2706	91.43	0.60	0.46	91.33	0.43	0.42	13.81	0.73	H	+ 25.3	5.90		21	2	
4798	91.46	0.91	0.70	91.50	0.59	0.50	3.44	1.10	H		8.88		13		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2674	- 1.67	+ 0.31	+ 0.63	- 3.95	- 3.38	+ 0.26	- 0.05	- 0.09	+ 0.91	+ 0.39
4772	+ 0.09	- 0.20	- 0.48	- 2.00	+ 0.56	- 0.16	+ 0.15	+ 0.30	+ 0.30	- 0.39
4773	- 1.05	+ 0.22	+ 0.43	- 2.11	- 2.04	+ 0.40	- 0.06	- 0.11	+ 1.78	+ 0.45
2672	+ 0.56	- 0.63	- 0.78	+ 2.00	+ 0.32	+ 0.15	+ 0.20	+ 0.26	- 2.98	+ 1.04
4774	- 0.10	+ 0.01	+ 0.08	+ 1.21	- 1.63	- 0.18	+ 0.01	+ 0.12	- 2.60	- 0.70
2673	- 0.40	+ 0.47	+ 1.07	- 1.47	- 0.83	+ 0.31	- 0.11	- 0.24	+ 0.14	+ 0.89
2671	+ 0.18	- 0.25	- 0.26	- 0.50	+ 0.58	+ 1.23	- 0.58	- 0.84	+ 4.17	+ 0.92
2675	- 0.12	+ 0.46	+ 0.73	- 1.13	+ 0.31	+ 1.08	- 1.41	- 1.87	+ 2.80	+ 0.92
2670	- 0.76	- 0.20	- 0.60	- 0.54	- 1.29	+ 2.46	- 1.20	- 2.58	+ 8.99	+ 3.70
4776	+ 0.16	- 0.28	- 0.35	+ 0.14	+ 0.21	- 0.19	+ 0.13	+ 0.15	+ 3.05	- 0.66
4777	- 0.31	+ 0.13	+ 0.68	- 6.63	+ 0.53	- 0.01	- 0.02	- 0.13	- 0.93	+ 0.53
2677	- 0.38	+ 0.36	+ 0.41	+ 1.79	- 1.16	+ 0.01	+ 0.04	+ 0.05	- 3.18	+ 1.13
4778	- 0.03	+ 0.03	+ 0.17	- 0.81	- 0.02	- 0.25	+ 0.20	+ 1.27	- 5.86	- 0.65
4779	- 0.40	+ 0.41	+ 0.47	- 3.69	- 0.08	+ 1.25	- 0.74	- 0.85	+ 5.91	+ 1.02
2682	+ 0.31	- 0.58	- 0.81	+ 1.34	+ 0.15	- 0.24	+ 0.28	+ 0.38	- 0.52	- 0.29
4781	+ 0.60	- 0.95	- 2.09	+ 6.43	+ 0.78	+ 0.26	+ 0.05	+ 0.22	+ 0.07	+ 0.45
4782	- 0.14	+ 0.20	+ 0.92	- 2.58	- 0.34	+ 0.25	- 0.17	- 0.84	+ 3.04	+ 0.92
4783	+ 0.53	- 1.03	- 1.98	+ 3.60	+ 0.55	- 1.02	+ 0.28	+ 0.28	- 6.95	- 0.51
2687	+ 0.12	- 0.42	- 0.62	- 0.43	+ 0.40	- 0.22	+ 0.20	+ 0.24	+ 1.12	- 0.62
2689	+ 0.12	- 0.03	- 0.18	+ 0.61	+ 0.69	+ 0.18	- 0.02	- 0.12	+ 2.81	+ 0.30
2691	+ 0.69	- 0.11	- 0.14	- 0.25	+ 1.41	- 0.55	+ 0.08	+ 0.10	- 0.97	- 0.62
4784	- 0.22	+ 0.08	+ 0.25	- 0.12	- 0.87	- 0.07	+ 0.01	+ 0.04	+ 1.95	- 0.86
2694	+ 0.20	- 0.02	- 0.06	+ 0.96	+ 0.42	- 0.32	+ 0.02	+ 0.07	- 0.42	- 1.31
2688	- 0.52	+ 0.70	+ 1.04	- 1.71	- 0.36	- 1.16	+ 0.49	+ 0.68	- 0.18	- 2.31
2690	+ 0.38	- 1.59	- 2.19	- 0.29	+ 1.02	- 0.66	+ 0.70	+ 0.91	- 1.54	- 0.61
4785	- 0.42	+ 0.39	+ 0.62	- 2.92	- 0.39	+ 0.18	- 0.03	- 0.03	- 3.23	+ 0.67
4786	- 0.01	+ 0.00	+ 0.20	- 0.56	- 0.88	- 0.01	+ 0.01	+ 0.28	+ 0.51	- 0.89
3953	- 0.31	+ 0.28	+ 0.38	- 0.89	- 0.27	+ 0.61	- 0.15	- 0.22	+ 0.70	+ 0.96
4787	- 0.17	+ 0.24	+ 0.43	- 1.79	- 0.11	- 0.28	+ 0.13	+ 0.20	+ 7.16	- 1.66
2695	- 0.57	+ 0.07	+ 0.12	- 2.65	- 0.32	- 1.27	+ 0.14	+ 0.23	+ 1.85	- 3.27
2693	+ 1.15	- 2.12	- 2.68	+ 2.28	+ 1.20	- 3.01	+ 2.35	+ 2.82	- 4.78	- 3.39
4788	- 0.24	+ 0.07	+ 0.22	- 8.10	+ 0.67	- 0.23	+ 0.03	+ 0.02	+ 2.10	- 0.83
4789	- 0.35	+ 0.12	+ 0.47	- 3.84	- 0.06	+ 0.24	- 0.08	- 0.29	+ 3.56	- 0.52
4790	- 0.44	+ 0.05	+ 0.05	- 0.71	- 0.59	+ 0.86	- 0.15	- 0.24	+ 6.40	+ 0.50
2698	- 0.64	+ 0.16	+ 0.34	- 1.45	- 1.33	+ 0.20	- 0.04	- 0.07	- 1.80	+ 1.15
2697	+ 0.38	- 0.04	- 0.06	+ 2.23	- 0.16	+ 0.79	- 0.13	- 0.18	- 1.02	+ 1.88
4791	- 0.07	- 0.03	- 0.09	- 2.22	+ 0.43	- 0.47	+ 0.11	+ 0.27	- 1.50	- 1.09
2692	- 0.30	+ 0.15	+ 0.30	+ 1.24	- 1.53	- 0.22	+ 0.04	+ 0.12	- 3.12	+ 0.01
4792	- 0.02	+ 0.00	- 0.18	+ 2.07	- 0.36	- 0.18	+ 0.13	+ 0.76	- 5.72	- 0.06
2700	- 0.24	+ 0.50	+ 0.61	- 0.99	+ 0.15	+ 0.22	- 0.17	- 0.20	+ 1.19	+ 0.00
2703	+ 0.09	- 0.26	- 0.35	- 3.83	+ 1.22	- 2.40	+ 0.30	+ 0.42	- 3.69	- 3.36
4793	+ 0.23	- 0.53	- 0.72	+ 0.41	+ 0.31	+ 0.88	- 0.54	- 0.84	- 1.60	+ 1.93
2702	- 0.63	+ 0.43	+ 0.56	- 2.87	- 0.08	+ 0.85	- 0.06	- 0.08	+ 8.28	- 1.22
2701	+ 0.01	+ 0.01	+ 0.01	+ 0.65	- 0.19	+ 0.04	- 0.04	- 0.04	- 2.68	+ 0.85
2704	+ 0.34	- 0.36	- 0.78	+ 1.18	+ 0.65	- 0.12	+ 0.12	+ 0.28	+ 0.15	- 0.61
4795	+ 0.06	- 0.17	- 0.24	+ 1.27	- 0.08	- 0.39	+ 0.42	+ 0.55	+ 1.15	- 0.72
4796	- 0.47	+ 0.51	+ 0.94	- 3.54	- 0.57	- 0.03	+ 0.04	+ 0.08	- 7.92	+ 0.76
2705	+ 0.82	- 1.17	- 1.92	+ 4.43	- 0.09	+ 0.78	- 0.35	- 0.46	+ 2.92	+ 0.36
2706	- 0.71	+ 0.42	+ 0.46	- 1.10	- 0.65	- 1.41	+ 0.05	+ 0.08	+ 4.88	- 5.52
4798	- 0.21	+ 0.25	+ 0.58	- 1.80	- 0.23	- 0.31	+ 0.01	+ 0.01	+ 2.99	- 1.80

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
2674	0.90	0.48	0.50	2.35	1.38	0.87	0.38	0.39	2.32	1.33	1.96	2.75	1.79	0.29	2.49	t
4772	0.68	0.87	1.13	2.08	0.81	0.68	0.69	0.80	2.43	0.82	0.64	0.99	0.90	1.18	1.62	
4773	0.98	0.56	0.58	2.64	1.44	0.97	0.48	0.50	2.63	1.43	1.18	1.63	2.64	0.45	0.84	
2672	0.69	0.70	0.74	1.52	0.72	1.04	0.61	0.64	2.51	1.31	2.02	1.27	0.93	1.74	0.73	t
4774	0.93	0.57	0.59	3.57	2.46	0.95	0.59	0.61	3.82	2.49	0.74	0.77		0.78	1.99	
2673	0.90	0.90	1.06	2.07	1.21	0.90	0.55	0.58	2.01	1.38	1.10	1.38	1.16	0.41	1.93	
2671	0.73	0.90	0.98	1.37	0.85	1.06	0.80	0.85	2.31	1.34	2.03	1.34	2.23	1.39	1.49	t
2675	0.52	0.87	1.00	0.93	0.61	0.60	0.66	0.71	1.22	0.72	3.54	2.77	3.38	1.85	0.32	t
2670	0.69	0.47	0.51	1.62	0.97	0.76	0.62	0.70	1.83	1.08	5.91	5.02	1.84	2.52	1.62	
4776	0.81	0.96	1.02	2.38	0.86	0.87	0.60	0.61	2.72	0.95	1.06	0.81	0.31	1.29	1.37	
4777	1.17	1.01	1.17	3.27	2.08	1.08	0.71	0.76	3.41	2.41	0.27	2.12		1.88	1.16	
2677	0.69	0.53	0.54	1.49	0.72	0.98	0.51	0.52	2.12	1.21	1.73	1.95	0.98	2.51	2.56	
4778	0.81	0.91	1.51	2.43	1.00	0.84	0.82	1.04	2.72	1.27	1.18	2.48		1.76	0.36	
4779	0.71	0.83	0.87	2.25	0.73	0.80	0.63	0.65	2.83	0.84	2.91	1.87	1.34	2.25	0.49	
2682	0.63	0.75	0.82	1.36	0.73	0.65	0.51	0.54	1.61	0.75	1.42	1.05	0.67	0.78	0.40	t
4781	0.88	1.02	1.26	3.19	1.03	0.96	0.76	0.85	3.22	1.25	1.81	2.49		1.69	1.50	
4782	0.74	0.75	0.97	2.43	1.00	0.82	0.73	0.86	2.82	1.31	1.39	1.85		1.09	0.62	
4783	0.89	1.26	1.61	2.64	1.00	0.96	0.78	0.87	2.83	1.16	1.60	3.15		2.37	0.53	
2687	0.58	0.90	1.04	1.25	0.67	0.61	0.59	0.63	1.51	0.71	0.55	1.27	1.89	1.19	0.51	t
2689	0.78	0.68	0.78	2.26	1.45	0.71	0.52	0.57	2.51	1.47	1.19	0.61	2.18	0.86	1.29	
2691	1.18	0.46	0.47	2.55	1.51	1.07	0.40	0.40	2.32	1.34	0.46	1.10	1.40	0.58	0.33	
4784	0.84	0.64	0.71	2.65	1.35	0.83	0.56	0.60	2.63	1.41	0.72	0.95	3.07	0.97	1.97	t
2694	1.44	0.64	0.66	4.59	2.49	1.51	0.61	0.62	4.21	3.07	0.25	0.48	0.51	0.20	0.97	
2688	0.78	0.85	0.94	1.50	0.96	0.87	0.58	0.60	1.81	1.14	1.61	2.54	1.88	1.25	1.62	t
2690	0.52	0.78	0.88	0.94	0.60	0.57	0.51	0.54	1.22	0.67	2.30	3.36	1.51	1.35	1.14	t
4785	1.03	1.01	1.12	3.46	1.18	1.09	0.80	0.85	3.82	1.30	0.80	1.26		1.19	1.01	t
4786	0.48	0.47	0.54	2.44	1.06	0.48	0.47	0.56	2.52	0.90	0.32	1.46	2.44	0.54	0.99	t
3953	0.57	0.54	0.58	1.24	0.68	0.76	0.43	0.44	2.14	0.96	1.02	1.35	1.26	0.45	1.43	
4787	0.90	1.04	1.22	2.89	1.03	0.94	0.72	0.77	2.92	1.16	1.40	2.41		2.86	1.49	
2695	0.97	0.40	0.41	2.33	1.41	0.97	0.38	0.39	2.62	1.36	1.32	2.49	0.97	1.94	1.25	t
2693	0.60	0.76	0.82	1.23	0.67	0.64	0.56	0.58	1.42	0.74	6.01	7.62	7.66	1.16	3.56	t
4788	0.87	0.80	1.00	2.93	1.20	0.82	0.68	0.83	3.12	1.12	0.62	2.73		2.91	0.16	
4789	1.21	0.88	0.96	3.16	2.40	1.11	0.66	0.71	3.01	2.16	0.23	1.77		1.46	0.50	
4790	0.96	0.64	0.67	3.26	1.15	1.08	0.63	0.66	3.44	1.37	1.92	0.73	0.70	1.60	0.52	
2698	0.92	0.57	0.60	2.34	1.40	0.85	0.44	0.46	2.11	1.24	1.09	1.43	1.34	1.20	0.60	t
2697	1.09	0.41	0.42	2.35	1.42	1.09	0.48	0.49	2.41	1.43	1.02	1.37	0.20	1.35	1.09	
4791	1.03	0.86	0.98	3.08	1.56	0.91	0.58	0.62	3.12	1.39	0.92	0.87		0.78	0.82	
2692	0.77	0.59	0.64	1.70	1.15	1.01	0.58	0.61	3.32	1.92	1.09	1.39	2.87	1.58	1.07	t
4792	0.78	0.88	1.47	2.43	0.96	0.79	0.75	0.94	2.62	1.20	0.56	2.43		2.17	0.34	
2700	0.49	0.73	0.78	0.82	0.51	0.63	0.49	0.50	1.42	0.71	1.67	0.53	2.84	1.40	0.18	
2703	1.14	0.77	0.80	2.79	1.31	1.31	0.49	0.50	3.11	1.70	1.78	2.33	2.14	1.64	0.79	
4793	0.71	1.15	1.36	2.23	0.76	1.08	0.96	1.06	3.02	1.30	1.89	0.48		1.07	0.80	
2702	1.07	0.92	0.97	2.22	1.13	1.28	0.53	0.54	2.91	1.52	3.17	0.81	2.59	3.10	1.42	
2701	0.66	0.38	0.39	1.45	0.74	0.72	0.44	0.45	1.63	0.83	1.62	0.98	2.47	2.00	0.82	t
2704	0.80	0.77	0.90	1.97	1.03	0.92	0.63	0.68	2.31	1.46	0.91	1.15	2.06	0.37	0.96	t
4795	0.82	1.01	1.10	2.40	0.90	0.87	0.85	0.90	2.81	0.95	0.61	0.97	1.72	0.82	1.42	
4796	0.90	0.92	1.05	3.19	1.07	0.91	0.56	0.59	3.52	1.12	1.17	2.60		2.51	0.88	
2705	0.70	0.85	0.98	1.36	0.87	0.74	0.65	0.71	1.51	0.97	4.41	1.63	2.73	3.15	1.50	t
2706	0.70	0.62	0.65	1.18	0.82	1.02	0.48	0.49	1.92	1.37	2.62	4.14	0.87	4.43	1.47	
4798	0.81	0.87	1.07	2.29	1.01	0.95	0.52	0.55	2.92	1.55	1.28	1.36		1.58	0.92	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2708	43950	RS		8 57 5.145853	+ 21 51 37.59544	- 1.17	- 4.56
2710	44010	BX		8 57 42.025446	+ 9 23 15.93970	- 6.30	- 6.86
2711	44056	BX		8 58 18.291139	+ 18 18 29.79652	- 24.17	- 20.17
4800	44060	FX		8 58 22.688841	+ 78 8 44.62593	- 20.41	- 4.93
2713	44075	RS		8 58 43.933779	- 16 7 57.81905	+ 245.30	+ 213.26
4801	44168	FX		8 59 45.416243	- 51 30 13.77705	- 33.61	+ 38.13
4802	44336	FX		9 1 43.656266	+ 17 4 51.81855	- 19.75	- 13.62
4803	44350	FX		9 1 56.194328	+ 45 8 14.35377	+ 1.74	- 3.62
4804	44407	FX		9 2 45.116350	- 9 23 29.99735	- 1.16	- 0.48
2715	44415	RS		9 2 51.816791	- 32 26 24.20046	- 20.87	- 3.42
4805	44459	FX		9 3 28.301993	- 22 59 51.46933	- 13.66	+ 11.59
4806	44468	FX		9 3 36.331646	- 14 26 14.60390	- 22.93	+ 10.00
4808	44523	FX		9 4 18.143254	- 60 33 57.57487	- 36.03	+ 21.53
2720	44599	BX		9 5 8.813385	- 72 36 9.73804	- 8.68	- 4.58
2717	44659	BX	ω Hya	9 5 58.366778	+ 5 5 32.34147	- 18.90	- 10.44
2716	44717	BX		9 6 43.142067	+ 59 20 40.27372	- 14.68	- 14.18
2718	44738	RS		9 6 59.939746	+ 1 27 45.69591	- 10.11	- 16.09
2722	44753	RS		9 7 14.685778	- 51 12 42.52501	- 7.92	+ 6.62
4810	44794	FX		9 7 44.158916	+ 37 4 27.29819	- 57.85	- 48.16
3979	44800	BX		9 7 47.175548	- 82 19 29.65521	+ 34.65	- 15.10
4811	44806	FX		9 7 53.205544	+ 25 37 34.66820	- 31.79	- 7.45
2719	44818	BX	τ Cnc	9 8 0.049908	+ 29 39 15.24080	- 32.05	+ 2.59
4812	44836	FX		9 8 7.934029	- 34 15 45.42969	- 8.58	+ 24.05
4813	44865	FX		9 8 28.284123	+ 41 8 41.66692	- 19.74	- 11.82
2726	44887	BX		9 8 43.531993	- 26 46 3.35554	- 44.96	+ 11.34
2723	44897	RS		9 8 51.070512	+ 33 52 55.98610	- 191.03	- 114.77
2721	44901	RS	15 UMa	9 8 52.256556	+ 51 36 16.73576	- 137.47	- 32.27
4814	44922	FX		9 9 3.957016	- 5 57 40.82618	- 4.66	- 0.87
4815	44928	FX		9 9 6.411127	+ 2 12 25.43207	- 15.59	- 7.50
4816	44934	FX		9 9 9.647151	- 20 55 38.12870	- 17.82	+ 2.51
4817	45013	FX		9 10 5.478530	- 48 12 22.90537	- 18.74	+ 18.74
4818	45024	FX		9 10 16.710139	- 68 19 9.13840	- 34.83	+ 9.11
2728	45037	RS		9 10 22.999155	- 23 10 36.10562	- 33.22	+ 5.25
4819	45097	FX		9 11 12.651372	+ 80 49 44.07303	- 20.84	- 15.19
4820	45142	FX		9 11 51.367894	- 2 14 7.06800	+ 10.58	- 9.69
2735	45166	RS		9 12 12.365142	- 76 39 46.90233	+ 39.22	- 43.92
4821	45282	FX		9 13 43.977311	+ 7 36 8.88474	- 29.01	- 1.65
2729	45306	BX		9 14 3.193413	+ 71 39 21.00927	- 30.01	- 36.45
2731	45314	RS		9 14 8.210247	- 44 8 44.95762	- 24.09	+ 13.16
2736	45328	BX		9 14 17.990273	- 55 34 10.66662	- 33.27	+ 29.41
2732	45378	RS		9 14 51.989745	- 1 35 13.59958	- 0.50	- 6.81
2733	45410	RS	π^2 Cnc	9 15 13.851882	+ 14 56 29.42819	- 41.14	- 11.87
2737	45439	BX		9 15 36.708629	- 38 34 11.79104	- 71.19	- 9.90
4823	45445	FX		9 15 41.019452	- 13 7 52.77587	- 3.26	- 25.42
2734	45493	BX	18 UMa	9 16 11.327432	+ 54 1 18.68538	+ 48.94	+ 59.65
4824	45510	FX		9 16 27.108071	+ 18 48 36.91303	- 166.33	- 13.30
4825	45517	FX		9 16 36.064578	+ 32 10 37.23886	- 101.89	+ 25.82
4826	45606	FX		9 17 45.650194	+ 23 4 43.74769	- 35.60	- 8.65
4827	45649	FX		9 18 17.179289	+ 46 9 11.31576	+ 6.94	+ 1.51
4828	45740	FX		9 19 30.548307	+ 9 47 24.53427	- 15.45	+ 4.59

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2708	91.51	0.82	0.46	91.21	0.57	0.47	5.60	0.93	H		7.04		11	1	3
2710	91.27	0.86	0.78	91.15	0.52	0.58	3.41	0.96	H	- 13.6	6.19		21	2	
2711	91.62	0.91	0.74	91.27	0.55	0.54	7.51	0.90	H	+ 20.1	6.56		31		
4800	91.30	0.55	0.50	91.31	0.53	0.50	6.95	0.71	H		7.34	1	21	2	
2713	90.80	0.60	0.55	90.69	0.37	0.41	46.90	0.97	H	+120.6	5.80		19	1	1
4801	91.21	0.52	0.61	91.28	0.47	0.48	6.29	0.58	H		7.19		35		
4802	91.44	0.85	0.59	91.27	0.64	0.58	6.97	0.98	H	+ 7.	7.39		18		
4803	91.49	1.03	0.74	91.69	0.73	0.59	.80	1.31	H	- 12.0	9.17		11	1	3
4804	91.29	1.21	1.13	90.98	0.78	0.74	1.14	1.56	H		9.07		13		
2715	91.13	0.35	0.45	91.18	0.45	0.48	6.02	0.65	H	+ 5.5	6.94		19	1	1
4805	90.88	0.64	0.65	90.74	0.46	0.53	6.56	0.96	H		8.54		11	1	3
4806	91.02	0.70	0.65	91.07	0.48	0.52	3.18	0.99	H		7.65		11	1	3
4808	91.25	0.59	0.55	91.23	0.55	0.56	4.90	0.69	H		7.80		15	1	3
2720	91.27	0.43	0.45	91.40	0.40	0.37	7.18	0.45	H	+ 22.4	4.47		11	1	3
2717	91.24	0.81	0.42	91.48	0.46	0.33	2.69	0.93	H	+ 24.7	4.99		29	2	
2716	91.31	0.54	0.47	91.22	0.47	0.41	2.88	0.74	H	+ 2.3	6.44		18		
2718	91.43	0.76	0.75	91.10	0.45	0.45	3.29	0.91	H	+ 2.9	6.16	2	13		
2722	91.12	0.50	0.61	91.15	0.46	0.50	1.74	0.57	H	+ 7.4	6.72		38		
4810	91.19	0.84	0.70	91.61	0.44	0.40	14.57	1.00	H		8.19		11	1	3
3979	91.14	0.53	0.63	91.30	0.50	0.54	12.56	0.57	H		7.64	1	11	1	3
4811	91.49	0.80	0.77	91.19	0.57	0.69	10.69	0.91	H	- 1.3	7.04		31		
2719	91.25	0.69	0.46	91.19	0.53	0.43	12.56	0.81	H	- 13.1	5.42	1	19	1	1
4812	91.31	0.49	0.50	91.45	0.63	0.64	2.55	0.59	P		8.22		11	1	3
4813	91.59	0.78	0.63	91.70	0.63	0.50	2.37	1.16	H		8.44		31		
2726	91.15	0.42	0.38	90.85	0.35	0.36	8.74	0.66	H	+ 8.3	6.15		39		
2723	91.16	0.75	0.66	91.81	0.47	0.39	52.25	0.87	H	+ 26.2	5.95		21	2	
2721	91.36	0.67	0.55	91.56	0.50	0.47	34.12	0.82	H	- 0.1	4.46		11	1	3
4814	91.50	0.95	1.00	91.65	0.71	0.75	4.35	1.16	H		8.71		11	1	3
4815	91.49	1.06	0.77	90.91	0.60	0.53	1.81	1.29	H		9.38		11	1	3
4816	91.30	0.58	0.63	91.16	0.57	0.55	5.75	0.97	H		7.42		11	1	3
4817	91.40	0.58	0.67	91.34	0.58	0.65	2.91	0.70	H		7.88		31		
4818	91.33	0.71	0.80	91.26	0.65	0.70	2.76	0.64	P	+132.0	8.63		31		
2728	90.97	0.49	0.52	91.20	0.47	0.55	7.85	0.77	H	+ 13.8	6.53		18		
4819	91.19	0.44	0.48	91.16	0.43	0.49	12.95	0.56	H		6.37		11	1	3
4820	91.64	1.28	0.80	91.70	0.80	0.76	1.69	1.73	H		8.87		11	1	3
2735	91.31	0.48	0.51	91.49	0.44	0.44	8.95	0.51	H	+ 0.9	6.13		11	1	3
4821	91.14	0.95	0.87	91.13	0.60	0.51	2.33	1.15	H		8.48		11	1	3
2729	91.17	0.43	0.43	91.29	0.49	0.57	6.95	0.66	H	+ 5.7	6.52		31		
2731	91.21	0.44	0.48	91.38	0.42	0.40	6.26	0.55	H	+ 20.0	5.85		18		
2736	91.18	0.39	0.41	91.35	0.44	0.39	5.11	0.49	H	+ 8.8	5.26		11	1	3
2732	91.70	0.86	0.81	92.05	0.66	0.82	3.40	1.10	H		6.97		11	1	3
2733	91.31	0.72	0.49	91.25	0.44	0.36	4.65	0.88	H	+ 25.3	5.36		11	1	3
2737	91.30	0.35	0.33	91.27	0.37	0.34	14.49	0.54	H	+ 1.8	4.92		31		
4823	91.34	0.74	0.70	91.41	0.56	0.52	4.09	0.92	H		7.42		11	1	3
2734	91.16	0.66	0.54	91.04	0.46	0.41	27.55	0.80	H	- 18.7	4.80		18		
4824	91.45	0.82	0.53	91.47	0.44	0.36	12.03	0.93	H	+ 30.5	7.03		11	1	3
4825	91.17	1.04	0.85	91.87	0.62	0.56	11.67	1.12	H		8.82		31		
4826	91.50	0.75	0.55	91.32	0.42	0.35	3.22	0.86	H		6.97		11	1	3
4827	91.49	0.92	0.71	91.53	0.68	0.59	.36	1.15	H	+ 4.9	8.80	2	11	1	3
4828	91.20	0.93	0.68	91.09	0.57	0.49	5.55	1.18	H		7.17		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2708	- 0.15	+ 0.41	+ 0.64	- 0.74	+ 0.00	- 0.13	+ 0.07	+ 0.05	- 1.25	+ 0.20
2710	+ 0.72	- 1.02	- 2.86	+ 3.58	+ 1.62	- 0.98	+ 0.42	+ 1.11	+ 0.74	- 3.93
2711	+ 0.42	- 1.32	- 2.65	+ 0.65	+ 0.96	- 0.27	- 0.01	- 0.14	- 1.98	+ 0.34
4800	- 0.87	+ 0.51	+ 0.70	- 5.44	- 0.73	+ 0.08	- 0.01	+ 0.00	- 8.68	+ 1.21
2713	+ 0.90	- 0.85	- 0.98	+ 1.00	+ 1.11	+ 0.12	+ 0.15	+ 0.18	- 1.25	+ 0.54
4801	+ 2.22	- 0.43	- 0.88	+ 9.67	+ 3.63	+ 0.12	- 0.03	- 0.06	+ 2.30	- 0.18
4802	+ 0.19	- 0.38	- 0.63	+ 2.58	- 0.02	+ 0.15	- 0.06	- 0.03	- 0.94	+ 0.36
4803	- 0.09	+ 0.11	+ 0.85	- 2.47	- 0.45	+ 0.09	- 0.06	- 0.41	+ 5.09	- 0.05
4804	+ 0.08	- 0.15	- 1.97	+ 3.06	+ 0.48	- 0.31	+ 0.10	+ 1.00	- 4.67	- 1.75
2715	- 0.09	+ 0.01	+ 0.01	+ 2.86	- 0.86	+ 0.40	- 0.01	- 0.05	+ 4.09	+ 0.43
4805	+ 0.36	- 0.11	- 0.23	- 1.84	+ 2.51	- 0.98	+ 0.16	+ 0.32	- 1.87	- 1.96
4806	+ 0.55	- 0.15	- 0.37	+ 1.87	+ 1.29	+ 0.60	- 0.03	- 0.09	- 1.51	+ 2.32
4808	- 0.05	- 0.03	- 0.06	- 1.43	+ 0.26	- 0.58	+ 0.08	+ 0.20	- 2.19	- 1.18
2720	- 1.04	+ 0.15	+ 0.24	- 2.03	- 1.54	+ 0.87	- 0.09	- 0.14	+ 0.01	+ 1.80
2717	+ 0.12	- 0.10	- 0.07	+ 0.33	+ 0.11	+ 0.75	- 0.39	- 0.57	+ 0.60	+ 1.15
2716	+ 0.39	- 0.32	- 0.57	+ 0.57	+ 0.75	+ 0.15	- 0.07	- 0.14	+ 3.78	- 0.82
2718	+ 0.39	- 0.35	- 0.91	- 1.14	+ 1.68	+ 0.16	+ 0.07	+ 0.18	+ 0.71	+ 0.17
2722	- 0.22	+ 0.04	+ 0.19	- 1.68	- 1.21	+ 0.65	- 0.06	- 0.32	- 3.63	+ 5.23
4810	+ 0.48	- 0.80	- 1.12	- 0.43	+ 0.82	+ 0.01	- 0.03	- 0.04	+ 4.71	- 0.63
3979	+ 1.88	- 0.21	- 0.41	+ 5.76	+ 3.28	- 0.05	- 0.01	- 0.01	- 6.33	+ 2.53
4811	+ 0.92	- 0.55	- 0.83	- 0.51	+ 1.68	+ 1.68	- 0.39	- 0.64	+ 2.85	+ 2.74
2719	- 0.27	+ 0.80	+ 0.97	+ 0.77	- 0.78	- 0.67	+ 0.70	+ 0.80	- 1.02	- 0.70
4812	+ 0.26	- 0.01	- 0.08	- 1.02	+ 2.58	- 0.02	+ 0.00	- 0.01	- 5.82	+ 1.92
4813	- 0.67	+ 0.72	+ 1.95	- 5.79	- 1.34	+ 0.54	- 0.30	- 0.82	+ 4.46	+ 0.96
2726	- 0.53	+ 0.22	+ 0.27	- 2.22	- 0.05	- 0.91	+ 0.20	+ 0.25	- 2.49	- 0.80
2723	+ 0.46	+ 0.03	- 0.02	+ 3.87	- 2.10	+ 1.79	- 0.58	- 0.63	+ 0.28	+ 3.28
2721	+ 0.20	- 0.29	- 0.34	+ 0.49	+ 0.18	+ 0.77	- 0.17	- 0.21	+ 0.17	+ 1.21
4814	+ 0.13	- 0.01	+ 0.00	- 0.34	+ 0.54	+ 0.41	- 0.14	- 0.36	- 0.84	+ 1.66
4815	+ 0.15	- 0.06	+ 0.00	+ 3.02	- 0.15	+ 0.84	- 0.19	- 0.65	+ 2.51	+ 2.76
4816	- 0.10	+ 0.01	+ 0.02	- 1.29	+ 0.07	- 0.19	+ 0.11	+ 0.17	- 3.28	+ 0.08
4817	+ 0.07	- 0.04	- 0.11	+ 2.29	- 0.34	- 1.13	+ 0.27	+ 0.87	- 6.84	- 2.63
4818	- 1.02	+ 0.28	+ 1.19	- 0.09	- 5.11	+ 0.17	- 0.04	- 0.15	-10.25	+ 1.95
2728	+ 0.56	- 0.08	- 0.14	+ 2.47	+ 0.56	+ 0.35	- 0.02	- 0.05	+ 4.77	- 0.54
4819	- 0.55	+ 0.13	+ 0.18	- 3.25	- 0.34	- 0.54	+ 0.12	+ 0.17	- 2.03	- 0.57
4820	- 0.12	+ 0.34	+ 1.89	+ 3.60	- 1.49	- 0.25	+ 0.13	+ 0.43	- 1.27	- 0.94
2735	- 0.34	+ 0.02	+ 0.05	- 5.11	+ 0.15	+ 0.58	- 0.03	- 0.06	- 0.15	+ 2.08
4821	- 0.04	+ 0.01	+ 0.06	- 1.80	+ 0.14	- 0.15	+ 0.03	+ 0.08	- 3.11	- 0.03
2729	+ 0.42	- 0.14	- 0.19	+ 2.61	- 0.22	+ 0.03	- 0.04	- 0.07	- 1.77	+ 0.70
2731	+ 0.31	- 0.08	- 0.14	+ 0.67	+ 0.53	+ 0.82	- 0.11	- 0.19	+ 3.64	+ 0.51
2736	- 1.69	+ 0.21	+ 0.38	- 5.01	- 2.13	- 0.12	+ 0.02	+ 0.03	+ 0.05	- 0.27
2732	+ 0.29	- 0.33	- 0.96	+ 4.01	+ 0.31	+ 0.16	+ 0.06	+ 0.25	+ 4.11	- 0.47
2733	- 0.35	+ 0.90	+ 1.53	- 2.32	- 0.11	+ 0.22	- 0.27	- 0.46	+ 0.60	+ 0.32
2737	- 0.02	- 0.02	- 0.03	+ 0.07	- 0.06	+ 0.82	- 0.13	- 0.16	- 0.43	+ 1.46
4823	- 0.73	+ 0.32	+ 0.77	+ 0.06	- 2.18	+ 0.03	- 0.08	- 0.21	- 1.03	+ 0.46
2734	- 0.06	+ 0.16	+ 0.20	- 0.48	+ 0.16	- 0.24	+ 0.12	+ 0.14	+ 0.00	- 0.42
4824	+ 0.19	- 0.80	- 1.10	+ 0.36	+ 0.27	- 0.57	+ 0.36	+ 0.46	+ 3.60	- 1.10
4825	+ 0.78	- 1.08	- 1.82	+ 2.19	+ 1.26	- 1.90	+ 0.28	+ 0.47	- 9.75	- 2.12
4826	+ 0.07	- 0.01	+ 0.01	+ 0.81	+ 0.04	+ 0.49	- 0.10	- 0.17	+ 1.89	+ 0.71
4827	- 0.08	+ 0.07	+ 1.01	- 0.87	- 1.15	- 0.05	+ 0.01	+ 0.09	+ 3.28	- 1.33
4828	- 0.22	+ 0.69	+ 1.48	+ 2.46	- 0.88	- 0.29	+ 0.02	- 0.07	- 1.32	- 0.30

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
2708	0.52	0.86	1.03	1.02	0.60	0.58	0.73	0.83	1.21	0.68	1.41	0.54	1.61	1.22	0.29	
2710	0.90	0.94	1.16	2.09	1.23	0.93	0.62	0.67	2.41	1.49	2.70	3.93	1.10	1.84	1.82	
2711	0.83	1.20	1.53	1.59	1.02	0.79	0.66	0.71	1.61	1.00	1.90	1.97	2.60	1.23	1.02	
4800	0.76	0.60	0.63	2.59	0.86	0.77	0.59	0.62	2.57	0.89	4.00	1.77	0.78	4.03	0.51	
2713	0.83	0.75	0.77	1.46	0.97	1.17	0.44	0.45	2.61	1.39	1.30	1.72	1.02	0.61	0.43	t
4801	1.15	0.63	0.66	3.67	1.68	1.13	0.50	0.51	3.62	1.67	2.90	2.50	2.30	1.62	0.83	t
4802	0.67	0.97	1.16	2.05	0.74	0.73	0.82	0.93	2.22	0.83	1.39	0.62	0.63	1.31	0.40	t
4803	0.79	0.79	1.07	2.90	1.11	0.69	0.61	0.72	2.92	1.11	0.87	2.10		1.77	0.86	
4804	1.18	1.19	1.67	2.85	1.88	0.91	0.75	0.86	2.91	2.06	1.50	2.35		1.11	1.96	t
2715	1.23	0.45	0.46	4.57	2.02	1.38	0.48	0.49	4.71	3.00	1.07	0.45	0.48	0.99	0.18	t
4805	1.20	0.68	0.71	2.66	2.09	1.12	0.55	0.57	2.81	1.72	1.75	0.97		1.29	1.38	
4806	0.93	0.70	0.77	2.94	1.38	0.94	0.54	0.58	3.02	1.55	0.86	1.87	2.17	1.14	1.01	
4808	1.07	0.57	0.59	3.37	1.67	1.10	0.58	0.60	3.33	1.77	0.82	0.75	0.36	0.52	1.07	t
2720	1.03	0.47	0.48	2.20	1.50	0.98	0.38	0.39	2.32	1.34	1.01	1.80	0.16	0.69	1.85	
2717	0.45	0.82	1.17	0.95	0.52	0.51	0.42	0.48	1.41	0.60	0.87	2.39	3.68	0.41	1.21	t
2716	0.63	0.57	0.63	1.34	0.83	0.80	0.43	0.45	2.12	1.24	1.95	1.38	1.76	1.88	1.81	t
2718	0.91	0.86	1.03	2.42	1.24	0.95	0.47	0.50	3.01	1.65	0.19	1.61	0.49	1.05	0.31	t
2722	0.92	0.62	0.65	3.96	1.97	0.87	0.50	0.52	4.21	1.94	0.91	2.84	0.14	1.91	0.30	t
4810	0.86	1.03	1.13	2.91	0.94	0.96	0.43	0.44	3.02	1.09	1.43	1.57		1.71	0.73	
3979	1.51	0.64	0.66	4.52	2.22	1.80	0.54	0.55	5.62	3.66	1.76	1.73	2.17	1.41	0.81	
4811	1.07	0.93	1.02	3.67	1.25	1.20	0.75	0.79	3.81	1.55	0.90	2.58	1.74	0.57	1.03	
2719	0.55	0.83	0.90	1.07	0.61	0.60	0.61	0.64	1.22	0.67	1.34	2.38	0.74	1.28	0.80	t
4812	1.02	0.51	0.52	3.87	2.61	1.06	0.65	0.68	4.02	2.38	1.26	1.45		1.83	1.52	
4813	0.75	0.73	0.88	2.75	0.96	0.78	0.53	0.58	2.72	1.14	2.78	3.26		1.94	0.98	
2726	0.67	0.45	0.46	1.37	0.81	0.80	0.39	0.40	1.91	0.97	2.22	1.05	2.85	1.58	1.28	t
2723	0.95	0.93	0.98	1.51	1.11	0.84	0.44	0.44	1.32	1.04	2.25	3.76	0.41	3.66	1.03	t
2721	0.84	0.81	0.84	1.89	0.78	1.12	0.51	0.52	2.42	1.32	0.43	1.09	0.63	0.41		
4814	1.20	1.12	1.35	3.01	1.78	1.08	0.80	0.90	3.02	1.65	1.13	0.19		0.77	0.31	
4815	0.82	0.94	1.41	2.30	1.02	0.79	0.56	0.65	2.62	1.31	2.36	1.67		1.26	0.26	
4816	0.89	0.75	0.83	2.56	1.11	0.77	0.68	0.74	2.62	0.90	0.08	1.37		1.31	0.83	
4817	0.98	0.69	0.75	3.03	1.64	0.98	0.67	0.72	3.03	1.68	1.92	2.59		1.44	2.13	
4818	1.10	0.83	0.90	5.26	1.87	1.06	0.72	0.77	5.52	1.85	3.22	1.83		2.28	1.30	
2728	1.13	0.54	0.56	3.04	1.57	1.22	0.57	0.59	3.41	1.82	1.63	0.49	1.04	1.48	1.25	t
4819	1.05	0.52	0.53	3.16	1.27	1.10	0.53	0.54	3.46	1.34	1.24	0.63	1.05	0.94	0.91	
4820	0.82	0.99	1.64	2.29	1.00	0.88	0.82	1.00	2.72	1.32	2.04	0.83		2.04	1.30	
2735	1.33	0.52	0.53	4.59	1.90	1.46	0.44	0.45	4.22	2.59	1.12	0.82	0.64	1.15	0.79	
4821	0.94	1.02	1.41	3.15	1.19	0.83	0.54	0.59	3.41	1.29	0.08	1.08		1.02	0.88	
2729	0.79	0.48	0.50	1.66	1.01	1.08	0.60	0.63	2.72	1.53	1.74	0.47	3.18	1.66	0.78	
2731	1.03	0.50	0.52	2.60	1.46	0.97	0.42	0.43	2.31	1.39	1.65	0.64	1.45	1.16	2.02	t
2736	0.95	0.42	0.43	2.15	1.48	0.84	0.42	0.43	1.92	1.16	2.46	1.65	2.24	1.11	1.05	
2732	0.94	0.98	1.25	3.02	1.17	1.09	0.90	1.06	3.61	1.62	1.88	0.78	1.56	1.63	2.26	
2733	0.58	0.79	0.94	1.32	0.66	0.71	0.42	0.45	1.62	0.93	2.41	1.51	2.32	1.50	0.74	
2737	0.90	0.35	0.35	1.79	1.10	0.88	0.37	0.37	1.92	1.06	0.15	1.45	2.70	0.87	0.53	
4823	1.00	0.76	0.84	3.24	1.43	1.01	0.54	0.57	3.21	1.59	1.80	0.33		0.76	0.87	
2734	0.71	0.92	0.98	1.20	0.78	0.84	0.52	0.54	1.52	1.00	0.44	0.50	1.27	0.50	0.23	t
4824	0.63	0.94	1.05	2.17	0.66	0.71	0.44	0.46	2.52	0.76	1.39	1.90	1.62	1.79	0.55	
4825	1.03	1.14	1.30	3.84	1.17	1.29	0.58	0.60	4.31	1.70	2.27	2.55		1.66	1.72	
4826	0.62	0.79	0.99	2.39	0.70	0.69	0.39	0.42	3.01	0.85	0.75	0.95	0.79	0.49	0.41	
4827	0.73	0.73	0.99	2.85	1.08	0.66	0.60	0.69	3.22	1.29	1.82	1.14		1.33	2.11	
4828	0.74	1.09	1.43	2.26	0.82	0.77	0.58	0.64	2.91	0.91	0.54	1.51	0.17	1.43	0.54	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2740	45758	RS		9 19 51.178748	+ 5 12 57.76558	- 39.31	- 15.79
4829	45764	FX		9 19 55.699228	+ 74 0 59.76138	- 40.47	- 64.35
4830	45813	FX		9 20 29.452345	+ 52 27 3.52658	+ 4.29	+ 7.81
2744	45854	RS		9 20 55.498081	- 15 37 4.17482	+ 69.99	- 106.86
2745	45856	BX		9 20 56.812344	- 62 24 16.67819	- 14.28	+ 0.04
4831	45879	FX		9 21 18.516539	+ 13 6 41.23510	- 39.06	- 79.38
2746	45962	RS		9 22 23.992507	- 46 2 50.80061	- 3.00	+ 23.80
4832	45991	FX		9 22 47.233530	- 30 31 31.33335	- 21.94	- 17.49
4834	46044	FX		9 23 23.728148	- 7 40 17.23362	- 20.91	+ 9.23
4835	46059	FX		9 23 32.089496	+ 63 10 26.83003	- 3.46	+ 4.48
4836	46076	FX		9 23 47.087072	+ 20 21 52.03414	- 151.65	+ 35.91
4837	46097	FX		9 24 2.386920	- 41 52 32.34958	- 2.83	- 21.26
2753	46107	BX	ι Cha	9 24 9.224327	- 80 47 12.75184	- 138.62	+ 135.62
2748	46125	BX		9 24 22.487191	+ 36 35 13.52235	- 68.48	- 22.51
4838	46190	FX		9 25 4.500457	+ 65 33 0.22675	- 6.87	- 6.53
4839	46217	FX		9 25 22.655618	+ 6 15 29.78816	+ 18.24	- 17.33
2750	46232	BX		9 25 32.500719	+ 16 35 8.11832	- 82.83	- 23.92
4842	46243	FX		9 25 38.953609	+ 37 53 20.15478	- 92.19	- 40.51
2749	46410	BX		9 27 51.593381	+ 75 5 54.02883	- 14.48	+ 17.12
2751	46471	BX		9 28 39.988891	+ 45 36 5.33979	- 6.92	- 128.13
4843	46496	FX		9 28 59.198909	+ 50 1 52.03442	- 5.07	- 10.54
4844	46524	FX		9 29 21.485998	+ 56 14 27.29734	- 130.45	- 116.22
2755	46652	BX	7 LMi	9 30 43.219662	+ 33 39 20.55731	- 19.67	- 48.31
4845	46694	FX		9 31 8.711213	+ 29 17 19.21881	+ 4.76	- 11.24
4846	46700	FX		9 31 13.289505	+ 58 45 23.47936	- 3.35	- 12.32
2756	46750	BX	λ Leo	9 31 43.227112	+ 22 58 4.70132	- 20.95	- 38.18
2757	46813	RS		9 32 20.408625	- 19 24 1.09227	- 33.77	+ 9.35
4847	46825	FX		9 32 31.927812	- 60 31 24.40306	- 20.65	- 0.03
2761	46859	BX		9 32 55.774154	- 13 31 0.48958	- 8.33	+ 1.51
4849	46918	FX		9 33 46.580182	- 49 43 30.89246	+ 53.41	- 1.15
2764	46950	BX		9 34 8.793524	- 51 15 18.95759	- 8.33	+ 6.59
2763	46982	BX	33 Hya	9 34 32.648210	- 5 54 53.81034	+ 10.51	- 57.99
4850	46994	FX		9 34 41.461048	+ 8 11 14.84385	+ 6.36	- 1.23
2762	47029	RS		9 35 3.829685	+ 39 37 17.37964	- 30.11	+ 21.09
4851	47047	FX		9 35 16.543547	- 3 16 17.01078	- 12.26	- 2.68
2765	47168	RS		9 36 42.852326	+ 31 9 42.24929	+ 2.69	- 43.11
2766	47189	RS	8 Leo	9 37 2.581378	+ 16 26 16.61865	- 15.25	- 3.91
4852	47243	FX		9 37 47.776666	+ 40 47 31.30859	- 26.90	+ 16.10
4854	47269	FX		9 38 2.507305	- 35 4 35.77777	- 36.37	- 50.37
4855	47361	FX		9 38 59.329912	+ 30 16 31.56115	- 4.13	- 7.71
2770	47380	BX		9 39 10.745407	+ 43 8 39.02224	- 39.61	- 62.38
4856	47394	FX		9 39 23.371948	- 52 56 35.88394	- 7.69	+ 4.85
2769	47401	BX		9 39 27.874629	+ 67 16 20.02862	- 27.80	- 38.75
4857	47411	FX		9 39 39.595263	+ 3 11 43.14925	- 8.40	- 5.82
4858	47459	FX		9 40 30.546248	- 8 46 53.50860	- 24.74	- 2.83
4859	47506	FX		9 41 7.226674	+ 85 5 32.59105	- 28.31	- 33.26
2778	47549	RS		9 41 37.302624	- 68 30 17.96219	- 12.15	+ 4.02
4860	47557	FX		9 41 45.977457	+ 15 45 18.67922	- 35.83	- 2.47
2773	47570	BX	43 Lyn	9 42 0.342349	+ 39 45 28.26374	- 50.21	- 48.36
2777	47627	BX		9 42 41.352327	- 35 30 6.15127	- 19.79	+ 7.85

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2740	91.64	0.79	0.77	91.54	0.56	0.64	10.19	0.92	H	+ 9.9	6.62		11	1	3
4829	91.41	0.44	0.44	91.44	0.45	0.43	8.80	0.60	H	+ 55.7	6.42		11	1	3
4830	91.23	0.63	0.61	91.19	0.44	0.36	8.06	0.82	H	- 7.6	6.54		11	1	3
2744	91.16	0.67	0.73	91.45	0.49	0.50	20.69	0.78	H	- 1.	6.30		18		
2745	91.26	0.43	0.43	91.29	0.41	0.40	14.65	0.49	H	+ 50.8	4.79		11	1	3
4831	91.18	0.74	0.57	91.10	0.45	0.40	22.11	0.89	H	- 8.4	6.67		31		
2746	91.09	0.42	0.50	91.25	0.40	0.42	5.72	0.53	H	- 7.5	5.74		31		
4832	90.85	0.44	0.60	91.19	0.54	0.54	6.07	0.81	H		7.98		21	2	
4834	91.19	0.90	0.82	91.15	0.63	0.55	2.98	1.10	H		8.40		11	1	3
4835	90.98	0.63	0.66	90.95	0.61	0.66	2.47	1.06	H		8.65		31		
4836	91.66	0.90	0.54	91.24	0.63	0.47	30.71	1.24	H		7.72		11	1	3
4837	91.22	0.72	0.75	91.29	0.77	0.72	2.90	1.05	H		9.31		31		
2753	91.25	0.42	0.47	91.42	0.39	0.40	17.69	0.45	H	+ 7.	5.34		11	1	3
2748	91.39	0.72	0.52	91.66	0.57	0.44	10.59	0.86	H	+ 15.	6.68		31		
4838	91.42	0.64	0.63	91.22	0.71	0.71	1.92	1.20	H		9.02		31		
4839	91.57	0.95	0.67	91.67	0.71	0.62	4.60	1.13	H	- 1.5	7.36		15	1	3
2750	91.44	0.70	0.45	91.46	0.47	0.36	11.99	0.82	H	+ 11.1	6.31		19	1	1
4842	91.16	0.84	0.79	91.75	0.68	0.58	12.90	1.01	H		8.22		21	2	
2749	91.09	0.45	0.44	91.22	0.44	0.44	6.88	0.61	H	+ 1.2	6.20		21	2	
2751	91.34	0.60	0.49	91.41	0.50	0.44	11.33	0.84	H	+ 38.5	5.40		15	1	3
4843	91.06	0.68	0.64	90.86	0.46	0.41	1.03	0.90	H		7.07	1	11	1	3
4844	91.05	0.64	0.54	91.27	0.52	0.42	14.91	0.81	H	- 2.3	6.89		31		
2755	91.17	0.78	0.50	91.54	0.57	0.42	6.33	0.90	H	+ 1.7	5.87		19	1	1
4845	91.61	1.04	0.72	91.38	0.66	0.52	2.64	0.61	P	- 1.2	8.94		11	1	3
4846	91.42	0.58	0.60	90.76	0.46	0.59	2.52	0.95	H		7.44		11	1	3
2756	91.23	0.73	0.57	91.16	0.46	0.42	9.69	0.89	H	+ 26.8	4.32	1	29	2	
2757	91.20	0.48	0.51	91.47	0.41	0.42	9.28	0.65	H	+ 26.8	5.74		11	1	3
4847	91.33	0.52	0.50	91.37	0.49	0.44	9.90	0.61	H		7.38		21	2	
2761	91.27	0.78	0.57	91.33	0.43	0.41	3.96	0.81	H	+ 27.7	5.95		11	1	3
4849	91.52	0.59	0.69	91.18	0.56	0.57	4.70	0.72	H		7.54		35		
2764	91.26	0.45	0.45	91.34	0.45	0.43	3.50	0.53	H	+ 35.	5.01		18		
2763	91.13	0.72	0.48	91.27	0.46	0.41	4.79	0.83	H	+ 12.6	5.56		19	1	1
4850	91.43	0.77	0.60	91.68	0.56	0.52	2.83	0.65	P	+ 45.7	7.35	2	21	2	
2762	91.33	0.66	0.53	91.53	0.53	0.47	14.23	0.81	H	- 11.9	4.81		11	1	3
4851	91.07	1.05	0.78	91.07	0.69	0.62	5.77	1.26	H		8.62		31		
2765	91.52	0.71	0.47	91.04	0.45	0.40	6.87	0.86	H	- 18.8	5.57	1	23	2	
2766	91.12	0.75	0.52	91.00	0.50	0.44	3.42	0.93	H	+ 5.9	5.73		31		
4852	91.15	1.19	0.87	91.25	0.91	0.68	9.43	1.37	H		9.03		11	1	3
4854	91.25	0.53	0.53	91.03	0.69	0.66	5.75	1.05	H	+ 43.6	8.63		11	1	3
4855	91.45	1.11	0.78	91.17	0.70	0.64	3.26	1.26	H		9.03		31		
2770	91.62	0.77	0.45	90.93	0.46	0.37	5.61	0.83	H		6.59		11	1	3
4856	91.40	0.50	0.52	91.26	0.56	0.57	.87	0.64	H		7.42		15	1	3
2769	91.28	0.40	0.36	91.05	0.42	0.40	6.00	0.62	H	+ 19.0	5.96	1	11	1	3
4857	91.41	0.81	0.66	90.83	0.48	0.47	3.26	0.98	H		7.31		31		
4858	91.33	1.13	0.99	91.36	0.85	0.79	5.80	1.36	H		9.53		31		
4859	91.23	0.56	0.61	91.35	0.55	0.57	3.75	0.71	H		8.23		11	1	3
2778	91.37	0.52	0.66	91.44	0.47	0.50	1.16	0.27	P	+ 9.6	7.11	1	19	1	1
4860	91.27	0.95	0.78	91.30	0.65	0.58	2.86	1.13	H		7.97		11	1	3
2773	91.15	0.60	0.37	90.74	0.34	0.37	9.59	0.74	H	+ 29.4	5.61		39		
2777	91.39	0.37	0.39	91.43	0.45	0.51	2.30	0.70	H	+ 17.0	6.39		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2740	+ 1.30	- 1.05	- 1.68	+ 2.09	+ 2.19	- 0.04	+ 0.08	+ 0.15	- 2.67	+ 0.63
4829	+ 0.30	- 0.08	- 0.09	- 2.28	+ 0.65	- 1.09	+ 0.38	+ 0.48	+ 2.09	- 1.77
4830	- 0.10	+ 0.03	+ 0.05	+ 3.49	- 0.59	+ 0.57	- 0.04	- 0.07	- 0.59	+ 1.12
2744	- 0.54	+ 0.16	+ 0.23	- 5.19	+ 0.18	- 0.65	+ 0.05	+ 0.07	- 0.60	- 1.11
2745	- 0.05	- 0.01	- 0.01	- 0.52	+ 0.12	- 0.79	+ 0.13	+ 0.16	+ 4.05	- 2.62
4831	- 0.73	+ 1.72	+ 2.13	- 1.30	- 0.90	+ 0.78	- 0.61	- 0.73	- 2.10	+ 1.24
2746	+ 0.01	+ 0.00	- 0.02	+ 2.14	- 0.53	+ 0.59	- 0.04	- 0.09	+ 5.36	+ 0.28
4832	- 1.66	+ 0.22	+ 0.53	- 4.09	- 3.93	- 0.95	+ 0.09	+ 0.21	+ 9.87	- 7.39
4834	- 0.02	+ 0.24	+ 0.87	+ 2.61	- 1.18	+ 0.59	- 0.21	- 0.62	+ 5.30	+ 0.40
4835	- 1.14	+ 0.38	+ 1.23	- 0.61	- 4.12	+ 0.15	- 0.01	- 0.04	+ 3.49	+ 0.13
4836	- 0.08	+ 0.25	+ 0.30	+ 2.37	- 0.37	- 0.15	+ 0.00	+ 0.00	- 0.92	- 0.07
4837	+ 1.08	- 0.29	- 1.02	+ 4.15	+ 3.53	- 0.71	+ 0.19	+ 0.52	- 6.07	- 0.75
2753	- 0.55	+ 0.06	+ 0.08	- 2.49	+ 0.14	+ 1.92	- 0.17	- 0.23	+ 4.16	+ 1.95
2748	- 0.25	+ 0.26	+ 0.30	+ 0.44	- 0.67	- 1.58	+ 0.75	+ 0.91	- 1.88	- 1.95
4838	- 0.87	+ 0.23	+ 0.84	+ 0.66	- 3.55	+ 0.37	- 0.02	+ 0.04	+ 0.27	+ 1.26
4839	- 0.01	+ 0.18	+ 0.52	- 4.40	+ 0.40	+ 0.66	- 0.52	- 0.98	+ 0.82	+ 1.28
2750	+ 0.03	+ 0.20	+ 0.27	- 0.10	+ 0.06	+ 0.48	- 0.31	- 0.36	- 0.15	+ 0.73
4842	+ 1.36	- 0.82	- 1.30	+ 6.83	+ 1.56	- 0.60	+ 0.17	+ 0.26	-11.11	+ 0.65
2749	+ 1.88	- 0.67	- 0.91	+ 1.45	+ 3.14	+ 0.20	- 0.11	- 0.17	- 1.91	+ 1.14
2751	- 0.73	+ 0.42	+ 0.52	- 1.32	- 0.75	- 0.42	- 0.05	- 0.07	- 1.59	+ 0.12
4843	- 0.06	+ 0.03	+ 0.16	- 2.04	- 0.13	- 0.12	+ 0.02	+ 0.08	- 5.37	- 0.10
4844	+ 1.48	- 1.12	- 1.37	- 0.85	+ 2.23	+ 0.60	- 0.12	- 0.15	- 1.26	+ 0.99
2755	+ 0.33	- 0.93	- 1.34	- 0.24	+ 0.96	- 0.08	+ 0.10	+ 0.14	- 1.75	+ 0.45
4845	- 0.14	+ 0.29	+ 0.93	- 1.15	- 0.38	+ 0.04	- 0.06	- 0.18	+ 1.81	- 0.04
4846	+ 0.15	- 0.13	- 0.28	- 2.26	+ 0.76	- 0.25	+ 0.08	+ 0.21	+ 2.62	- 1.17
2756	- 0.43	+ 1.16	+ 1.57	+ 2.13	- 2.30	+ 1.81	- 0.67	- 0.86	+ 5.22	+ 0.55
2757	- 0.26	+ 0.06	+ 0.09	- 3.35	+ 0.51	+ 0.18	- 0.03	- 0.05	+ 0.00	+ 0.38
4847	+ 1.39	- 0.29	- 0.43	+ 0.93	+ 2.43	- 2.26	+ 0.52	+ 0.70	- 9.78	- 1.99
2761	+ 0.06	+ 0.01	+ 0.06	- 0.15	+ 0.14	+ 0.74	- 0.27	- 0.42	+ 0.92	+ 1.18
4849	- 0.46	+ 0.11	+ 0.28	+ 3.32	- 2.28	+ 1.25	- 0.21	- 0.49	+ 1.51	+ 3.32
2764	+ 0.34	- 0.08	- 0.17	+ 1.18	+ 0.53	+ 0.38	- 0.11	- 0.20	- 0.47	+ 1.09
2763	+ 0.00	+ 0.15	+ 0.28	+ 0.19	- 0.10	+ 0.36	- 0.22	- 0.31	- 2.71	+ 1.19
4850	- 0.48	+ 0.35	+ 0.64	- 1.72	- 0.76	- 1.07	+ 0.50	+ 0.95	+ 2.09	- 2.47
2762	- 0.25	+ 0.37	+ 0.47	- 0.10	- 0.45	+ 1.34	- 0.32	- 0.42	- 0.26	+ 2.66
4851	- 0.15	+ 0.00	- 0.29	+ 2.95	- 0.74	- 1.67	+ 0.44	+ 0.91	- 1.36	- 3.81
2765	+ 0.29	- 0.31	- 0.39	+ 1.07	+ 0.10	+ 1.60	- 0.48	- 0.63	+ 3.23	+ 1.56
2766	+ 0.22	- 0.82	- 1.74	+ 1.72	+ 0.05	- 0.45	+ 0.48	+ 0.90	- 1.67	- 0.48
4852	- 0.24	+ 0.71	+ 1.51	- 2.59	- 0.19	+ 0.05	- 0.12	- 0.25	+ 0.77	+ 0.00
4854	+ 0.05	+ 0.00	- 0.01	+ 4.18	- 1.51	+ 0.09	- 0.01	- 0.03	+ 3.14	- 0.93
4855	- 0.38	+ 0.43	+ 1.13	- 7.22	- 0.21	- 1.05	+ 0.34	+ 0.78	+ 0.78	- 3.13
2770	+ 0.11	- 0.37	- 0.55	+ 0.19	+ 0.16	- 0.40	+ 0.15	+ 0.19	- 0.53	- 0.52
4856	- 0.43	+ 0.06	+ 0.47	- 6.05	- 2.90	- 0.06	+ 0.02	+ 0.15	- 2.43	- 0.10
2769	- 0.01	+ 0.04	+ 0.05	+ 2.20	- 0.80	- 0.13	+ 0.06	+ 0.08	- 1.47	+ 0.23
4857	- 0.20	+ 0.46	+ 1.18	+ 6.72	- 1.63	+ 0.29	- 0.21	- 0.54	- 1.72	+ 1.15
4858	+ 0.60	- 0.22	- 0.56	+ 1.89	+ 1.36	+ 0.87	- 0.11	- 0.28	+ 8.78	- 0.59
4859	+ 0.51	- 0.21	- 0.45	- 1.78	+ 1.48	- 0.16	+ 0.06	+ 0.14	+ 1.36	- 0.66
2778	- 0.07	+ 0.01	+ 0.11	+ 3.12	- 2.32	- 0.04	+ 0.01	+ 0.05	- 3.46	+ 1.00
4860	- 0.18	+ 0.39	+ 1.32	- 4.30	+ 0.11	+ 0.05	- 0.02	- 0.04	+ 0.47	+ 0.05
2773	- 0.24	+ 0.56	+ 0.66	- 0.56	- 0.16	- 0.12	+ 0.05	+ 0.05	+ 2.56	- 1.14
2777	+ 0.82	- 0.11	- 0.28	+ 2.74	+ 1.89	+ 0.54	- 0.11	- 0.32	+ 1.24	+ 1.74

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
2740	1.07	0.93	1.02	2.86	1.27	1.25	0.68	0.71	3.31	1.72	1.49	2.39	0.60	0.89	0.63	
4829	0.75	0.50	0.52	2.66	0.84	0.78	0.49	0.50	2.75	0.88	0.99	2.37	1.58	1.70	1.60	
4830	0.95	0.70	0.74	3.33	1.13	1.06	0.37	0.38	3.62	1.38	1.02	0.96	1.27	1.24	1.17	
2744	1.28	0.83	0.87	3.48	1.50	1.44	0.52	0.53	3.41	1.93	1.52	0.59	0.62	1.42	1.37	t
2745	1.05	0.46	0.47	2.18	1.33	1.05	0.42	0.43	2.42	1.30	1.60	2.03	0.97	2.44	0.37	
4831	0.72	0.93	0.99	2.38	0.74	0.79	0.48	0.49	2.72	0.84	1.43	2.95	2.08	1.19	1.15	
2746	1.13	0.51	0.53	3.46	1.74	1.18	0.42	0.43	3.71	1.99	1.58	0.34	2.65	1.39	0.28	
4832	1.21	0.62	0.64	3.26	2.04	1.22	0.55	0.57	3.31	2.13	3.19	4.04	0.82	4.38	3.41	
4834	0.94	0.95	1.21	2.42	1.32	0.89	0.60	0.69	2.52	1.40	1.23	2.41		2.19	0.63	
4835	0.92	0.69	0.76	3.97	1.40	0.95	0.68	0.74	4.52	1.54	3.36	0.90		1.09	2.11	
4836	0.66	0.98	1.05	2.16	0.66	0.88	0.56	0.58	2.72	0.95	0.91	0.56	0.27	1.25	0.56	
4837	1.03	0.79	0.87	2.73	1.84	0.98	0.76	0.84	2.72	1.61	2.37	2.96		1.69	1.50	
2753	1.16	0.50	0.51	2.27	1.52	1.22	0.42	0.42	2.53	1.63	2.04	1.29	0.85	1.21	0.58	
2748	0.67	0.79	0.85	1.23	0.77	0.75	0.53	0.55	1.62	0.88	1.64	2.95	1.49	0.77	0.26	t
4838	0.86	0.66	0.75	3.84	1.34	0.88	0.76	0.89	3.33	1.33	3.08	0.08		1.07	2.18	
4839	0.74	0.99	1.28	2.57	0.84	0.83	0.74	0.84	2.82	1.01	1.73	1.80		1.78	0.56	t
2750	0.55	0.80	0.87	1.04	0.61	0.61	0.47	0.49	1.41	0.67	0.29	1.32	1.61	0.58	1.06	t
4842	1.16	0.93	1.00	3.82	1.39	1.24	0.62	0.64	4.01	1.55	1.70	3.47		3.03	1.69	
2749	0.80	0.49	0.51	1.67	1.03	1.14	0.45	0.46	3.22	1.69	1.46	3.59	2.29	1.20	1.97	
2751	0.81	0.62	0.65	1.50	0.93	0.84	0.51	0.53	1.52	1.06	1.51	1.13	0.45	0.98	1.03	t
4843	0.74	0.67	0.79	3.50	1.13	0.64	0.42	0.44	3.92	1.15	0.26	1.51		1.39	0.37	
4844	0.80	0.68	0.71	2.39	0.88	0.93	0.46	0.47	3.03	1.04	0.42	3.34	2.86	1.40	1.94	
2755	0.59	0.80	0.91	1.04	0.73	0.66	0.51	0.53	1.42	0.81	1.47	2.01	1.86	1.65	1.22	t
4845	0.78	0.93	1.27	3.17	0.92	0.75	0.58	0.64	3.31	0.99	0.84	0.84		0.58	0.91	
4846	0.74	0.70	0.81	2.47	0.96	0.84	0.63	0.69	3.13	1.23	1.07	1.30	0.34	1.60	0.54	
2756	0.73	0.84	0.92	1.28	0.89	0.79	0.48	0.49	1.41	1.05	4.10	3.21	3.06	3.89	1.27	t
2757	1.05	0.54	0.56	2.57	1.37	1.12	0.44	0.45	2.81	1.52	1.31	0.40	0.88	1.33	1.72	t
4847	1.09	0.53	0.54	2.86	1.42	0.94	0.48	0.49	2.83	1.12	3.67	2.87	2.15	2.60	0.52	
2761	0.65	0.83	1.02	1.48	0.78	0.69	0.46	0.49	1.92	0.86	0.68	1.62	2.09	0.21	0.68	t
4849	1.11	0.72	0.77	3.52	1.73	1.07	0.58	0.61	3.52	1.66	1.01	2.54	1.87	1.50	1.37	t
2764	0.85	0.47	0.49	2.10	1.30	0.79	0.46	0.48	2.02	1.12	0.64	1.16	1.27	0.72	0.24	t
2763	0.53	0.86	1.05	1.09	0.61	0.65	0.49	0.52	1.71	0.77	1.35	1.61	0.65	2.09	0.86	t
4850	0.68	0.81	1.04	2.12	0.82	0.71	0.62	0.72	2.72	0.88	1.06	3.49	1.16	1.65	1.56	
2762	0.75	0.72	0.76	1.30	0.90	1.07	0.51	0.52	2.21	1.37	0.38	2.21	0.42	1.14	0.24	
4851	0.85	1.16	1.53	2.44	0.99	1.05	0.68	0.75	2.82	1.50	2.91	1.33		1.60	0.93	
2765	0.59	0.79	0.89	1.19	0.64	0.74	0.46	0.48	1.41	0.97	2.82	2.12	4.54	1.21	3.42	t
2766	0.58	0.81	1.02	1.18	0.71	0.61	0.55	0.61	1.41	0.78	2.66	1.84	2.32	1.42	0.23	
4852	0.96	1.35	1.73	2.77	1.09	0.90	0.86	0.95	2.92	1.04	0.84	1.29		0.84	0.77	
4854	1.20	0.54	0.56	3.35	2.11	1.27	0.67	0.70	3.62	2.29	0.78	1.50		1.72	0.38	
4855	0.87	0.98	1.28	3.02	1.05	0.91	0.69	0.77	3.01	1.30	2.81	2.55		2.50	0.43	
2770	0.51	0.82	0.95	1.02	0.58	0.63	0.42	0.44	1.42	0.77	0.72	1.05	2.05	0.03	1.37	
4856	0.72	0.52	0.55	3.29	1.74	0.74	0.58	0.63	3.33	1.50	2.10	1.85	0.33	1.06	0.94	t
2769	0.61	0.42	0.44	1.27	0.72	0.72	0.46	0.48	1.63	0.90	1.86	1.03	0.79	2.24	0.72	
4857	0.76	0.85	1.08	2.44	0.92	0.82	0.53	0.60	2.72	1.15	2.17	2.10		3.35	2.19	
4858	1.25	1.10	1.29	3.16	1.86	1.24	0.85	0.94	3.21	2.03	0.85	2.84		2.47	0.16	t
4859	0.90	0.66	0.72	3.40	1.21	0.93	0.60	0.64	3.38	1.33	1.47	0.52		1.06	1.67	
2778	0.88	0.66	0.70	3.49	2.24	0.79	0.50	0.52	3.42	2.38	1.33	1.11	2.33	1.69	0.97	t
4860	0.83	1.00	1.40	2.35	1.02	0.78	0.65	0.73	2.82	1.03	0.70	2.06		1.73	0.49	
2773	0.48	0.66	0.70	0.86	0.51	0.61	0.45	0.46	1.23	0.71	2.18	1.74	1.34	2.64	0.26	t
2777	0.79	0.40	0.42	2.22	1.35	0.84	0.53	0.56	2.41	1.45	1.48	2.03	1.49	0.37	0.77	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2776	47631	BX	13 LMi	9 42 42.738819	+ 35 5 36.13665	- 20.87	- 52.84
2772	47654	RS	24 UMa	9 42 57.187775	+ 72 15 9.42643	- 26.48	- 27.43
4862	47658	FX		9 43 1.704195	- 79 35 29.82401	- 9.77	+ 40.72
2775	47664	BX		9 43 6.962461	+ 54 21 49.33113	- 35.03	- 33.59
4863	47690	FX		9 43 25.659469	+ 42 41 29.61264	+ 34.93	- 826.47
2779	47698	RS		9 43 30.609726	- 20 21 57.01768	- 20.37	- 7.29
4864	47740	FX		9 43 55.004393	+ 22 4 2.43540	- 10.99	- 2.64
4865	47912	FX		9 45 55.429204	- 43 40 43.45275	- 44.63	+ 14.11
2781	47943	BX		9 46 10.042807	+ 6 42 30.80599	+ 3.20	- 23.45
4866	47949	FX		9 46 14.501964	- 14 35 23.92551	- 40.46	- 0.42
2784	47956	BX	ν Cha	9 46 20.631436	- 76 46 34.02977	+ 83.43	- 56.75
4867	47957	FX		9 46 21.663822	- 27 16 34.02351	- 49.31	- 65.94
2782	47960	RS		9 46 23.610447	+ 1 47 8.11295	- 55.77	- 40.86
4868	48066	FX		9 47 53.185188	- 66 51 46.10875	- 6.87	+ 4.27
2783	48126	RS		9 48 43.489566	- 9 55 7.12286	- 30.63	- 5.52
4869	48138	FX		9 48 49.661784	- 22 1 7.85526	+ 4.84	- 3.79
4870	48147	FX		9 48 53.436734	- 10 33 56.03474	+ 3.69	- 1.34
4871	48154	FX		9 48 56.141273	+ 83 19 46.57005	- 18.57	+ 1.75
4872	48168	FX		9 49 5.461888	+ 18 3 28.41674	- 36.02	- 3.31
4873	48176	FX		9 49 11.977162	+ 24 26 38.53147	- 19.42	+ 5.02
4874	48260	FX		9 50 17.872814	- 59 28 0.00064	- 8.61	+ 6.05
4875	48313	FX		9 50 57.509634	+ 0 48 23.13533	- 1.48	- 3.46
4876	48324	FX		9 51 1.983914	+ 13 3 58.46228	+ 18.58	- 7.21
2786	48356	RS	ν^1 Hya	9 51 28.693107	- 14 50 47.79010	+ 17.53	- 24.08
4877	48391	FX		9 51 55.455509	+ 49 37 19.12705	+ 50.06	- 78.52
2787	48428	BX	17 LMi	9 52 21.627413	+ 37 54 52.07851	- 52.46	- 21.42
4878	48505	FX		9 53 31.392538	- 24 6 31.83960	+ 4.59	- 11.88
4879	48518	FX		9 53 42.661311	- 3 51 43.22452	- 12.41	+ 2.76
4880	48539	FX		9 53 58.278095	- 62 7 10.71626	- 16.33	+ 0.43
2792	48559	BX		9 54 12.319526	- 25 55 56.44099	- 183.48	+ 56.50
4881	48566	FX		9 54 21.030389	+ 38 54 44.30264	- 64.46	- 58.62
4882	48620	FX		9 54 52.907019	- 86 54 36.92111	- 26.89	+ 10.93
4884	48647	FX		9 55 11.921841	- 33 21 48.14025	- 39.72	- 18.46
2793	48682	RS	31 UMa	9 55 43.002354	+ 49 49 11.43398	- 3.69	+ 19.65
2795	48706	BX		9 56 5.333595	- 40 49 28.36318	- 23.39	- 17.00
2799	48715	BX		9 56 9.732303	- 71 23 21.48153	- 15.32	+ 3.66
2797	48730	BX		9 56 21.894573	- 51 20 10.16912	- 7.64	- 1.55
2794	48734	BX		9 56 25.975442	+ 8 55 59.36514	- 86.27	+ 20.26
2796	48748	RS		9 56 35.494062	- 33 25 6.59119	+ 34.34	+ 21.50
2801	48806	RS		9 57 15.206376	- 64 29 21.66051	- 134.15	+ 86.91
4886	48834	FX		9 57 42.168667	+ 66 46 9.35873	- 16.29	- 19.56
2798	48861	RS		9 57 56.846513	+ 45 24 51.47092	+ 7.05	- 34.16
4887	48863	FX		9 57 57.457940	- 39 34 28.98376	- 6.64	+ 4.99
2804	48964	RS		9 59 18.717513	- 20 21 24.43751	- 20.39	- 7.42
4888	48977	FX		9 59 28.126814	+ 21 19 17.42159	- 44.40	+ 23.06
2803	48982	BX		9 59 36.213688	+ 29 38 42.83321	- 95.33	- 38.27
2802	49005	BX		9 59 51.686274	+ 56 48 42.50584	- 31.56	- 28.14
3980	49065	BX	μ^1 Cha	10 0 43.792031	- 82 12 52.81225	- 26.15	+ 31.11
2805	49163	RS		10 1 59.319261	+ 74 45 32.71867	- 50.60	- 37.60
4889	49205	FX		10 2 34.984654	- 56 15 24.05560	- 9.13	+ 5.32

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2776	91.10	0.67	0.50	91.00	0.46	0.42	18.76	0.78	H	- 7.8	6.12		19	1	1
2772	91.32	0.43	0.43	91.19	0.39	0.40	7.38	0.57	H	- 17.3	5.15		19	1	1
4862	91.14	0.53	0.58	91.32	0.49	0.46	7.94	0.58	H		7.30		11	1	3
2775	91.38	0.63	0.58	90.91	0.36	0.38	10.90	0.74	H	+ 20.6	6.50		21	2	
4863	91.42	1.02	0.64	90.73	0.37	0.45	56.23	1.12	H	- 12.1	8.13		11	1	3
2779	91.48	0.66	0.75	91.40	0.57	0.59	8.21	0.79	H		6.58		11	1	3
4864	91.18	1.04	0.78	91.02	0.73	0.63	1.70	1.37	H		8.97		31		
4865	91.15	0.50	0.56	91.05	0.54	0.61	5.48	0.73	H		7.24		15	1	3
2781	91.52	0.79	0.44	90.98	0.43	0.32	3.13	0.90	H	+ 1.0	5.80	1	33		
4866	91.18	0.99	0.89	91.47	0.74	0.64	4.93	1.05	H	+ 22.2	7.30		11	1	3
2784	91.16	0.46	0.45	91.37	0.41	0.41	17.05	0.48	H	+ 10.5	5.43		11	1	3
4867	91.10	0.56	0.58	91.36	0.61	0.58	18.79	0.76	H		7.01		11	1	3
2782	91.35	0.82	0.66	91.22	0.41	0.41	11.92	0.80	H	+ 15.	5.65		18		
4868	91.14	0.59	0.73	91.25	0.57	0.60	.20	0.64	H		7.73		15	1	3
2783	91.12	0.77	0.74	91.25	0.59	0.59	5.25	0.91	H	+ 18.4	6.98		11	1	3
4869	90.95	0.61	0.68	91.03	0.68	0.77	4.70	0.92	H		7.49		11	1	3
4870	91.39	1.10	0.92	91.36	0.86	0.79	4.09	1.30	H		9.10		31		
4871	91.37	0.51	0.53	91.36	0.48	0.51	9.54	0.65	H		7.89	2	11	1	3
4872	91.37	0.98	0.59	90.97	0.55	0.49	3.40	1.04	H		7.79		31		
4873	91.56	1.05	0.77	91.36	0.77	0.64	2.25	1.35	H		8.59		11	1	3
4874	91.29	0.64	0.65	91.28	0.57	0.58	1.02	0.24	P		7.95		15	1	3
4875	91.45	1.03	0.79	91.53	0.63	0.56	4.81	1.19	H		9.13		11	1	3
4876	91.25	0.75	0.56	90.93	0.43	0.35	1.76	0.88	H	- 9.2	6.45		19	1	1
2786	91.41	0.60	0.49	91.37	0.48	0.42	11.92	0.81	H	- 14.3	4.11		21	2	
4877	91.36	0.74	0.68	90.85	0.53	0.52	20.54	1.04	H		7.80		31		
2787	91.20	0.71	0.60	90.69	0.42	0.46	8.42	0.83	H	+ 13.	6.71		18		
4878	91.20	0.79	0.75	91.17	0.72	0.79	2.27	0.52	P		8.32		11	1	3
4879	90.95	0.75	0.81	90.87	0.55	0.55	5.18	0.85	H		7.40		31		
4880	90.98	0.49	0.51	91.23	0.48	0.49	4.48	0.56	H		7.86		11	1	3
2792	91.25	0.52	0.52	91.24	0.49	0.52	9.71	0.66	H	+ 53.8	4.87		18		
4881	91.28	1.01	0.78	90.91	0.68	0.59	5.60	1.22	H		9.23		11	1	3
4882	91.25	0.59	0.50	91.15	0.50	0.44	4.44	0.63	H		7.31		11	1	3
4884	91.39	0.40	0.43	91.09	0.64	0.73	6.01	0.80	H		7.42		11	1	3
2793	91.40	0.52	0.43	91.04	0.39	0.38	14.65	0.73	H	- 7.0	5.27		11	1	3
2795	91.21	0.41	0.43	91.22	0.43	0.46	3.88	0.65	H	+ 57.0	6.39	1	31		
2799	91.21	0.42	0.45	91.44	0.40	0.41	.50	0.07	P	- 30.	6.30		11	1	3
2797	91.33	0.44	0.45	91.31	0.41	0.42	2.00	0.28	P	+ 9.0	6.39		11	1	3
2794	91.30	0.68	0.42	91.06	0.46	0.35	4.84	0.78	H	+ 9.0	5.85		31		
2796	91.37	0.33	0.36	91.01	0.48	0.59	6.80	0.62	H	+ 3.7	5.83		11	1	3
2801	91.25	0.48	0.59	91.37	0.45	0.47	6.70	0.53	H	+ 45.1	6.59		11	1	2
4886	91.28	0.64	0.60	91.33	0.68	0.63	2.05	1.03	H		8.46		11	1	3
2798	91.19	0.69	0.56	91.06	0.48	0.45	7.80	0.81	H	+ 5.1	6.34		11	1	3
4887	90.97	0.60	0.62	91.29	0.69	0.65	2.31	0.53	P		8.46		11	1	3
2804	91.08	0.65	0.66	91.25	0.64	0.71	3.63	0.85	H		6.70		31		
4888	91.37	0.78	0.57	90.99	0.48	0.42	10.18	0.86	H	+ 6.6	6.74		23	2	
2803	91.39	0.63	0.50	90.85	0.41	0.37	10.05	0.74	H	- 0.6	5.75		29	2	
2802	91.08	0.45	0.36	91.29	0.39	0.35	6.39	0.66	H	- 13.5	5.50	1	39		
3980	91.00	0.42	0.42	91.21	0.42	0.42	8.17	0.47	H	+ 16.	5.53		38		
2805	91.37	0.52	0.51	91.34	0.46	0.50	7.18	0.66	H	+ 6.4	6.91		21	2	
4889	91.34	0.50	0.52	91.39	0.48	0.46	.44	0.10	P		7.46		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2776	- 0.45	+ 0.73	+ 0.87	- 0.88	- 0.40	+ 0.07	- 0.13	- 0.16	+ 0.04	+ 0.09
2772	+ 0.41	- 0.18	- 0.23	+ 1.60	+ 0.16	+ 0.09	- 0.04	- 0.06	- 2.47	+ 0.77
4862	- 0.36	+ 0.05	+ 0.09	+ 1.70	- 1.46	+ 0.24	- 0.02	- 0.03	- 0.86	+ 0.73
2775	- 3.95	+ 2.37	+ 3.16	- 1.43	- 7.09	- 0.90	+ 0.01	- 0.02	- 2.22	- 0.55
4863	+ 0.19	- 0.45	- 0.55	+ 1.08	+ 0.12	- 0.35	+ 0.08	+ 0.09	- 0.15	- 0.45
2779	+ 0.22	- 0.06	- 0.09	+ 2.04	- 0.13	+ 0.91	- 0.16	- 0.29	+ 2.30	+ 1.45
4864	- 0.04	+ 0.29	+ 1.60	+ 0.46	- 0.64	+ 0.39	- 0.39	- 1.47	- 2.68	+ 1.99
4865	- 0.15	+ 0.06	+ 0.16	- 0.44	- 0.46	- 1.06	+ 0.15	+ 0.39	- 8.22	- 1.15
2781	- 0.36	+ 1.34	+ 2.48	- 0.36	- 0.80	+ 0.19	- 0.32	- 0.58	+ 1.74	- 0.01
4866	- 0.22	+ 0.22	+ 0.57	- 0.84	- 0.52	+ 0.18	- 0.09	- 0.19	+ 1.42	+ 0.16
2784	- 0.19	+ 0.07	+ 0.08	- 0.17	- 0.26	+ 0.90	- 0.16	- 0.20	+ 0.34	+ 1.42
4867	+ 0.79	- 0.14	- 0.20	+ 1.71	+ 0.93	+ 0.07	+ 0.00	+ 0.00	- 0.76	+ 0.35
2782	- 0.48	+ 0.76	+ 1.08	- 0.69	- 0.73	+ 0.99	- 0.25	- 0.34	- 0.34	+ 2.03
4868	+ 0.08	- 0.02	- 0.76	+ 5.85	+ 3.67	- 0.02	- 0.01	- 0.02	- 0.80	- 0.41
2783	+ 0.42	- 0.29	- 0.60	+ 0.45	+ 1.00	- 0.32	+ 0.08	+ 0.19	- 5.60	+ 0.50
4869	+ 0.21	- 0.06	- 0.20	- 3.05	+ 2.45	- 0.32	+ 0.08	+ 0.27	- 1.64	- 0.83
4870	+ 1.18	- 0.77	- 2.41	+ 3.56	+ 3.86	- 0.46	+ 0.23	+ 0.74	- 4.66	+ 0.24
4871	+ 0.28	- 0.05	- 0.07	+ 1.89	+ 0.18	- 0.86	+ 0.20	+ 0.29	- 1.57	- 1.19
4872	+ 0.13	- 0.55	- 1.42	+ 6.07	- 0.17	- 0.07	+ 0.05	+ 0.10	+ 0.20	- 0.19
4873	- 0.27	+ 0.33	+ 1.11	+ 2.11	- 1.39	- 0.50	+ 0.15	+ 0.36	- 0.69	- 1.50
4874	- 0.31	+ 0.07	+ 0.57	- 4.99	- 1.90	+ 0.21	- 0.04	- 0.33	+ 4.57	+ 0.95
4875	+ 0.37	- 0.34	- 0.81	- 0.43	+ 1.21	- 0.29	+ 0.14	+ 0.34	- 3.28	- 0.20
4876	- 0.20	+ 0.38	+ 1.15	- 0.52	- 0.57	- 0.11	- 0.05	- 0.21	- 4.03	+ 0.40
2786	- 0.59	+ 0.94	+ 1.15	- 1.13	- 0.57	- 3.04	+ 1.89	+ 2.20	- 2.04	- 3.95
4877	- 1.13	+ 0.70	+ 0.96	- 2.28	- 1.44	+ 1.65	- 0.47	- 0.63	+ 8.09	+ 1.17
2787	+ 0.19	- 0.13	- 0.18	+ 0.59	+ 0.14	+ 0.64	- 0.18	- 0.24	- 2.57	+ 2.34
4878	- 0.05	+ 0.04	+ 0.20	- 4.13	+ 0.95	+ 0.24	- 0.09	- 0.42	+ 2.05	+ 0.73
4879	+ 1.06	- 0.59	- 1.32	- 0.84	+ 3.48	+ 1.40	- 0.20	- 0.37	+ 5.09	+ 1.92
4880	- 1.36	+ 0.13	+ 0.36	- 4.57	- 3.48	- 1.31	+ 0.14	+ 0.34	- 5.49	- 2.67
2792	+ 1.18	- 0.33	- 0.47	+ 1.22	+ 1.94	+ 0.02	+ 0.04	+ 0.06	- 3.17	+ 1.17
4881	+ 0.01	+ 0.02	+ 0.03	+ 5.66	- 0.90	+ 0.27	- 0.14	- 0.23	+ 2.66	+ 0.12
4882	- 0.44	+ 0.35	+ 0.55	- 1.81	- 0.46	+ 0.06	- 0.05	- 0.08	+ 0.99	- 0.11
4884	+ 0.92	- 0.02	- 0.02	+ 3.98	+ 0.91	+ 0.93	- 0.23	- 0.51	+ 3.93	+ 1.32
2793	- 0.36	+ 0.21	+ 0.24	- 0.87	- 0.33	- 0.32	+ 0.01	+ 0.01	+ 0.39	- 0.71
2795	- 0.87	+ 0.07	+ 0.15	+ 2.02	- 2.97	+ 0.75	- 0.08	- 0.15	- 2.34	+ 2.77
2799	+ 0.04	+ 0.00	- 0.04	- 4.50	+ 1.95	- 0.13	+ 0.01	+ 0.12	- 4.32	- 1.59
2797	- 0.06	+ 0.01	+ 0.03	- 1.29	+ 0.24	+ 0.25	- 0.04	- 0.11	- 2.67	+ 1.88
2794	- 0.45	+ 1.09	+ 1.56	+ 0.38	- 0.96	- 0.52	+ 0.16	+ 0.15	- 2.36	- 0.17
2796	- 0.76	+ 0.01	- 0.01	+ 1.17	- 2.03	- 1.26	+ 0.29	+ 0.52	- 4.18	- 1.53
2801	- 0.60	+ 0.04	+ 0.11	+ 2.09	- 2.91	+ 0.79	- 0.04	- 0.10	- 1.39	+ 2.92
4886	+ 0.19	- 0.05	- 0.15	+ 3.16	+ 0.22	- 0.21	+ 0.05	+ 0.18	+ 0.28	- 0.80
2798	+ 1.08	- 0.42	- 0.62	+ 2.55	+ 1.50	+ 0.16	+ 0.04	+ 0.05	+ 3.15	- 0.79
4887	+ 0.38	- 0.09	- 0.42	+ 5.06	+ 1.04	+ 0.43	- 0.10	- 0.48	+ 2.97	+ 1.73
2804	- 0.34	+ 0.12	+ 0.43	- 1.19	- 1.26	+ 1.20	- 0.19	- 0.77	+ 2.99	+ 5.85
4888	- 0.77	+ 1.16	+ 1.55	+ 0.50	- 1.18	+ 4.83	- 1.65	- 2.04	+ 8.69	+ 5.80
2803	- 0.73	+ 0.72	+ 0.89	+ 0.77	- 1.73	- 1.66	+ 0.36	+ 0.43	- 1.73	- 2.14
2802	+ 0.03	+ 0.07	+ 0.07	+ 1.82	- 0.69	- 0.26	+ 0.08	+ 0.10	+ 1.02	- 0.88
3980	+ 1.30	- 0.67	- 0.84	+ 0.40	+ 2.04	- 0.02	+ 0.00	+ 0.00	+ 0.47	- 0.19
2805	- 0.09	+ 0.12	+ 0.17	+ 2.53	- 1.25	- 0.70	+ 0.15	+ 0.24	+ 8.64	- 4.03
4889	+ 0.18	- 0.01	- 0.30	+ 4.32	+ 4.09	+ 0.09	- 0.01	- 0.10	+ 5.14	+ 0.91

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
2776	0.66	0.78	0.82	1.26	0.74	0.67	0.53	0.54	1.62	0.74	1.17	1.16	1.74	0.33	1.56	t
2772	0.74	0.49	0.51	1.57	0.91	0.94	0.42	0.43	2.53	1.21	1.46	0.74	0.94	1.40	0.91	t
4862	1.22	0.60	0.62	3.21	1.82	1.16	0.48	0.49	3.36	1.64	0.55	0.92	1.35	0.95	0.87	
2775	0.92	0.69	0.72	1.94	1.10	0.85	0.41	0.42	1.62	1.09	2.59	7.81	4.13	2.67	3.04	
4863	0.77	1.13	1.22	2.25	0.79	0.92	0.51	0.52	2.42	1.03	0.65	0.68	2.23	0.42	1.55	
2779	1.09	0.86	0.94	2.69	1.42	1.18	0.62	0.65	3.01	1.71	1.13	0.95	2.08	0.76	1.79	
4864	0.83	0.92	1.34	2.54	1.05	0.74	0.72	0.90	2.52	1.01	2.70	0.62		1.77	1.44	
4865	1.21	0.57	0.59	3.83	2.08	1.19	0.62	0.65	3.72	1.98	2.29	0.78	1.02	1.68	1.75	t
2781	0.48	0.73	0.91	1.08	0.56	0.51	0.38	0.41	1.31	0.62	2.53	3.07	1.81	1.26	0.81	t
4866	1.07	1.04	1.23	2.79	1.45	0.95	0.71	0.77	2.92	1.26	0.61	0.70		0.41	1.02	
2784	0.93	0.50	0.51	1.74	1.14	1.01	0.43	0.44	2.14	1.23	0.28	1.27	2.23	0.44	1.34	
4867	1.30	0.62	0.63	2.83	1.78	1.26	0.62	0.64	3.02	1.63	0.70	0.64	0.05	0.40	1.44	
2782	0.85	0.92	1.00	1.68	1.02	1.00	0.44	0.45	2.11	1.29	0.91	2.09	1.80	0.96	0.43	t
4868	0.76	0.73	0.79	3.84	2.10	0.65	0.60	0.63	3.64	2.12	1.70	1.99	0.40	0.51	1.02	t
2783	1.00	0.85	0.95	2.98	1.30	1.12	0.61	0.64	3.41	1.73	1.70	1.01	1.57	1.61	0.59	
4869	1.21	0.70	0.74	3.37	2.28	1.23	0.79	0.85	3.51	2.23	1.18	0.99		1.36	1.38	
4870	1.14	1.01	1.17	2.69	1.79	1.14	0.82	0.90	2.72	2.04	2.93	2.75		1.44	1.99	
4871	0.91	0.60	0.63	3.00	1.06	0.99	0.55	0.57	3.27	1.19	1.15	0.85		0.55	0.60	
4872	0.62	0.96	1.35	2.32	0.68	0.74	0.55	0.59	2.62	0.94	0.86	2.79		2.58	1.38	
4873	0.84	0.93	1.28	2.63	1.06	0.83	0.69	0.81	2.72	1.22	2.15	0.49		1.27	1.22	
4874	0.83	0.66	0.72	3.56	1.76	0.79	0.58	0.62	3.43	1.85	2.07	1.44	2.10	1.21	1.49	t
4875	1.00	0.91	1.06	2.74	1.33	1.05	0.60	0.64	3.41	1.56	1.20	1.05		0.98	0.23	
4876	0.61	0.73	1.00	1.96	0.73	0.59	0.38	0.43	2.12	0.80	1.95	1.45	2.18	1.95	1.35	t
2786	0.60	0.87	0.95	1.21	0.66	0.67	0.53	0.55	1.62	0.74	2.94	6.95	5.86	1.15	3.98	
4877	1.12	0.79	0.83	3.25	1.31	1.15	0.57	0.58	3.32	1.38	1.89	2.75		1.94	0.27	
2787	0.82	0.76	0.82	1.69	1.01	0.90	0.50	0.52	1.92	1.20	1.24	2.00	1.83	2.18	0.58	t
4878	0.98	0.78	0.88	3.04	1.71	1.01	0.82	0.93	3.11	1.75	0.72	1.55		1.50	1.24	
4879	1.05	0.92	1.04	2.58	1.49	1.02	0.58	0.61	2.62	1.54	3.04	2.04		1.79	2.56	
4880	1.11	0.52	0.53	3.43	1.98	1.07	0.50	0.51	3.33	1.81	2.24	2.47	2.32	0.79	2.39	
2792	1.02	0.57	0.59	2.31	1.31	1.06	0.55	0.57	2.41	1.41	1.48	1.84	0.61	1.58	1.05	t
4881	0.92	0.99	1.17	2.85	1.13	0.87	0.67	0.72	2.82	1.09	0.63	2.08		2.30	0.20	
4882	0.67	0.61	0.67	1.83	0.82	0.65	0.53	0.56	1.73	0.80	1.34	0.96	1.41	0.89	0.19	
4884	1.11	0.45	0.46	2.80	1.78	1.14	0.78	0.84	2.92	1.73	2.05	1.10	0.53	1.20	1.24	
2793	0.77	0.54	0.55	1.87	0.75	1.03	0.40	0.41	2.22	1.29	0.59	0.83	0.84	0.51	0.87	
2795	0.92	0.45	0.47	2.63	1.42	0.90	0.49	0.51	2.41	1.38	1.14	2.95	1.07	2.48	0.69	
2799	0.61	0.45	0.47	3.56	1.83	0.59	0.41	0.42	3.32	2.29	1.82	1.28	1.44	1.75	1.46	
2797	0.79	0.46	0.48	2.36	1.45	0.79	0.43	0.45	2.52	1.41	1.14	1.35	1.22	1.67	1.32	
2794	0.49	0.71	0.81	1.08	0.56	0.52	0.45	0.47	1.21	0.61	2.17	2.68	0.71	1.95	0.14	
2796	1.00	0.37	0.38	2.40	1.40	1.06	0.64	0.67	2.51	1.52	1.87	1.91	1.31	1.47	0.81	
2801	1.39	0.60	0.61	5.05	2.55	1.32	0.47	0.48	4.91	2.27	0.47	1.75	1.05	1.19		
4886	0.81	0.65	0.73	3.38	1.17	0.85	0.67	0.75	3.64	1.29	0.73	0.96		0.87	0.39	
2798	0.97	0.62	0.65	2.55	1.18	1.18	0.46	0.47	3.01	1.77	1.58	1.62	1.31	1.19	0.93	
4887	0.99	0.63	0.67	3.73	2.08	0.98	0.66	0.71	3.52	1.93	1.24	1.72		0.99	0.72	
2804	1.09	0.68	0.72	4.37	1.85	1.19	0.72	0.76	4.60	2.34	0.88	2.80	1.24	0.55	1.97	
4888	0.72	0.82	0.89	2.83	0.77	0.78	0.47	0.48	2.91	0.86	3.65	8.28	9.03	1.11	3.80	t
2803	0.71	0.68	0.72	1.33	0.83	0.77	0.41	0.42	1.61	0.94	1.30	3.53	1.16	1.61	0.06	t
2802	0.49	0.51	0.53	0.96	0.55	0.66	0.39	0.40	1.33	0.83	1.74	1.49	1.00	2.57	0.62	t
3980	0.70	0.50	0.52	1.58	0.83	0.80	0.47	0.48	1.76	0.99	0.79	2.95	1.25	0.98	0.62	t
2805	0.80	0.61	0.64	1.64	1.02	1.07	0.53	0.55	2.83	1.49	3.19	2.91	0.97	4.43	0.05	
4889	0.65	0.52	0.54	3.71	2.27	0.61	0.47	0.48	3.63	2.20	1.89	1.93	1.05	1.00	2.01	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2807	49220	RS		10 2 48.950 057	+ 21 56 57.329 16	- 14.21	- 5.19
4890	49221	FX		10 2 49.239 922	- 1 4 4.232 18	+ 11.53	- 87.55
2808	49222	RS		10 2 49.299 436	- 30 34 39.080 55	- 18.42	+ 26.21
4891	49261	FX		10 3 21.495 647	- 82 30 29.596 13	- 89.20	+ 36.55
4892	49282	FX		10 3 34.764 439	+ 34 1 27.537 07	- 33.06	- 42.55
4893	49328	FX		10 4 8.378 924	+ 11 37 42.647 23	+ 1.30	+ 5.40
2810	49338	RS		10 4 20.694 237	- 48 26 44.629 10	- 52.94	+ 39.89
2809	49343	BX		10 4 23.363 415	- 39 58 33.092 37	- 37.50	+ 0.13
4894	49366	FX		10 4 37.659 556	- 11 43 46.928 83	- 190.32	- 25.37
4895	49374	FX		10 4 47.533 766	+ 5 0 14.487 72	- 17.87	+ 0.31
4896	49380	FX		10 4 53.424 397	- 52 1 30.968 63	- 25.26	+ 7.59
4897	49396	FX		10 5 4.473 716	+ 7 59 27.139 02	+ 28.38	+ 9.64
4898	49412	FX		10 5 12.323 202	- 3 31 2.476 69	- 16.43	+ 4.57
4899	49437	FX		10 5 35.698 916	+ 51 23 28.005 08	+ 4.04	- 2.70
2813	49569	RS		10 7 9.499 179	- 17 8 30.242 34	+ 15.50	- 56.63
2812	49593	RS	21 LMi	10 7 25.761 849	+ 35 14 40.892 76	+ 51.38	+ 0.28
4901	49603	FX		10 7 29.536 138	- 48 31 28.419 91	- 12.57	+ 19.94
4902	49613	FX		10 7 33.333 733	+ 0 55 5.951 45	- 15.90	- 7.57
4903	49630	FX		10 7 44.254 198	+ 43 1 9.196 05	- 8.40	- 13.27
3955	49688	BX		10 8 34.386 701	+ 83 55 6.139 37	- 1.98	+ 6.07
2815	49724	BX		10 9 7.667 574	+ 63 57 8.736 27	+ 9.37	+ 0.57
4904	49729	FX		10 9 8.436 086	+ 18 31 50.115 65	+ 54.20	- 65.32
4905	49829	FX		10 10 22.240 558	+ 62 54 56.251 07	- 35.76	- 171.71
4906	49891	FX		10 11 12.427 083	- 37 52 38.786 63	- 2.29	- 5.08
2817	49893	RS		10 11 12.777 970	+ 37 24 6.839 27	- 20.67	- 29.27
4907	49899	FX		10 11 17.493 112	- 17 38 7.851 21	- 32.65	- 3.68
2818	49900	BX		10 11 17.764 760	- 7 18 59.851 91	+ 12.60	- 13.11
2819	49934	RS		10 11 46.460 076	- 58 3 37.956 41	- 10.74	+ 6.74
4908	50019	FX		10 12 42.535 758	+ 28 14 31.246 78	- 28.52	- 11.30
2822	50067	RS		10 13 21.179 934	- 61 39 31.785 26	- 15.91	+ 2.72
4909	50076	FX		10 13 27.607 598	- 30 25 49.855 14	+ 15.17	- 12.33
4910	50079	FX		10 13 28.806 222	+ 57 59 37.548 60	+ 0.69	+ 4.91
4911	50192	FX		10 14 44.814 982	+ 37 56 52.616 17	- 53.77	- 39.59
2821	50222	RS		10 15 7.666 757	+ 59 59 7.942 61	+ 13.92	+ 5.22
4912	50300	FX		10 16 12.619 333	+ 34 24 2.996 74	- 7.89	- 16.88
2823	50303	RS	23 LMi	10 16 14.431 258	+ 29 18 37.806 45	- 71.95	- 23.87
2820	50308	BX		10 16 17.250 728	+ 78 56 49.113 80	+ 19.82	+ 5.33
2825	50320	BX		10 16 32.799 730	- 19 18 29.358 59	- 37.29	+ 3.88
2824	50333	BX	37 Leo	10 16 40.737 306	+ 13 43 42.001 47	- 23.15	- 15.50
4913	50338	FX		10 16 44.923 544	+ 80 31 16.453 67	+ 15.41	+ 6.00
4914	50439	FX		10 17 53.390 203	- 21 1 34.672 06	+ 21.71	- 24.18
4915	50455	FX		10 18 7.145 017	+ 51 48 31.027 34	+ 5.81	+ 1.87
4916	50481	FX		10 18 28.812 895	- 56 33 35.710 38	- 17.43	- 19.93
2826	50505	BX		10 18 51.947 987	+ 44 2 53.960 25	+ 61.98	- 299.57
4917	50528	FX		10 19 13.093 116	+ 24 21 49.858 86	- 19.18	- 37.85
2827	50546	BX		10 19 26.788 653	+ 48 23 48.343 94	- 105.52	- 110.64
4918	50554	FX		10 19 35.651 751	- 5 13 38.662 42	- 50.27	- 38.18
2830	50555	RS		10 19 36.750 086	- 55 1 45.496 76	- 14.85	+ 4.06
4919	50573	FX		10 19 51.259 783	+ 69 52 47.612 36	- 27.82	- 19.98
2831	50609	BX		10 20 16.715 455	- 47 41 56.725 71	- 8.83	+ 3.94

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2807	91.25	0.73	0.56	90.82	0.48	0.45	3.10	0.43	P	- 2.2	5.68	1	11	1	3
4890	91.12	0.75	0.46	90.95	0.54	0.45	10.11	0.83	H		6.70		15	1	3
2808	91.07	0.50	0.53	91.54	0.63	0.67	5.23	0.76	H	+ 13.3	6.54		11	1	3
4891	91.01	0.54	0.62	91.21	0.51	0.57	5.05	0.59	H		7.34		15	1	3
4892	91.25	1.10	0.81	90.84	0.70	0.63	2.43	1.28	H		9.06		11	1	3
4893	91.40	0.77	0.53	91.40	0.52	0.40	6.80	0.88	H	+ 0.1	7.13	1	31		
2810	91.38	0.43	0.49	91.43	0.45	0.47	5.95	0.58	H		6.83		11	1	3
2809	91.10	0.36	0.39	91.43	0.46	0.52	5.12	0.70	H	+ 46.6	6.42		11	1	3
4894	91.07	0.95	0.96	91.17	0.72	0.69	43.14	1.11	H		8.15		11	1	3
4895	91.31	0.86	0.61	91.51	0.60	0.56	7.95	1.16	H		7.35		11	1	3
4896	91.45	0.52	0.53	91.52	0.47	0.47	1.55	0.62	H		7.41		11	1	3
4897	91.49	0.81	0.57	91.41	0.50	0.44	15.23	0.90	H		7.31		31		
4898	91.09	0.83	0.69	91.05	0.71	0.67	1.73	0.98	H		7.32		11	1	3
4899	91.16	0.60	0.56	90.95	0.52	0.53	7.69	0.99	H	+ 14.	7.87		11	1	3
2813	91.41	0.57	0.60	91.31	0.46	0.47	9.50	0.67	H	+ 10.9	5.59		11	1	3
2812	91.21	0.64	0.48	91.12	0.52	0.46	35.78	0.84	H	- 17.6	4.49		39		
4901	91.33	0.60	0.62	91.44	0.63	0.60	4.01	0.82	H		8.18		11	1	3
4902	91.03	0.85	0.73	91.17	0.66	0.65	3.75	0.86	P	- 29.7	6.67	2	11	1	3
4903	91.13	0.98	0.71	91.00	0.66	0.54	5.55	1.20	H		8.89		11	1	3
3955	91.27	0.44	0.41	91.36	0.43	0.43	3.69	0.56	H	- 12.0	6.31	1	11	1	3
2815	91.38	0.39	0.41	91.45	0.45	0.40	3.52	0.72	H		6.53	2	11	1	3
4904	91.20	0.84	0.58	91.23	0.50	0.40	5.91	0.92	H		6.92		21	2	
4905	91.33	0.38	0.38	91.44	0.46	0.41	12.04	0.73	H		7.10		11	1	3
4906	91.00	0.91	1.14	91.23	0.93	1.07	4.28	0.99	P		8.98		11	1	3
2817	91.17	0.65	0.43	91.27	0.54	0.43	5.41	0.77	H	+ 9.1	5.86		31		
4907	91.60	0.72	0.73	91.47	0.59	0.54	4.78	0.83	H		7.46		21	2	
2818	91.14	0.72	0.69	91.61	0.50	0.57	6.74	0.88	H	+ 13.	6.23		38		
2819	91.32	0.43	0.47	91.52	0.40	0.44	2.52	0.50	H	+ 31.0	5.70	2	31		
4908	91.17	0.70	0.62	90.99	0.56	0.52	7.08	0.95	H	+ 4.7	6.86		31		
2822	91.02	0.45	0.53	91.29	0.41	0.45	3.19	0.51	H	+ 13.	6.42		18		
4909	90.94	0.63	0.75	91.10	0.69	0.70	3.03	0.70	P		8.29		35		
4910	91.56	0.39	0.42	91.33	0.44	0.43	3.43	0.74	H	- 8.3	7.01		11	1	3
4911	91.14	0.87	0.76	91.00	0.68	0.60	8.42	1.08	H		8.57		31		
2821	91.41	0.47	0.44	91.22	0.45	0.40	1.87	0.71	H	- 20.3	6.18	1	11	1	3
4912	91.10	1.12	0.76	91.00	0.92	0.71	1.02	1.41	H		9.35		11	1	3
2823	91.10	0.58	0.49	90.99	0.45	0.41	12.67	0.75	H	+ 16.4	5.49		39		
2820	91.02	0.50	0.43	91.02	0.48	0.51	7.95	0.62	H		6.85		21	2	
2825	91.06	0.60	0.46	91.45	0.54	0.55	10.89	0.89	H		6.70		11	1	3
2824	91.41	0.77	0.45	91.52	0.58	0.43	6.53	0.87	H	+ 2.5	5.42	1	11	1	3
4913	91.19	0.84	0.72	91.35	0.77	0.69	6.70	0.98	H		9.71		31		
4914	91.29	0.70	0.64	91.45	0.64	0.74	4.03	0.84	H	- 4.	7.33		18		
4915	91.09	0.63	0.63	91.25	0.58	0.57	3.47	1.07	H		8.38		31		
4916	91.30	0.56	0.62	91.60	0.54	0.61	6.28	0.69	H		7.82		11	1	3
2826	91.12	0.70	0.55	90.97	0.53	0.50	48.45	0.85	H	- 8.3	6.66		15	1	3
4917	91.52	0.88	0.71	91.49	0.61	0.55	3.86	0.89	P	+ 16.4	7.60		13		
2827	91.30	0.48	0.48	91.09	0.38	0.41	23.08	0.72	H	- 6.2	6.00		21	2	
4918	91.21	0.86	0.68	91.53	0.52	0.53	12.91	0.93	H		7.72		11	1	3
2830	91.29	0.37	0.39	91.50	0.39	0.39	2.19	0.48	H	+ 12.9	4.59	1	11	1	3
4919	91.02	0.68	0.64	91.30	0.78	0.63	2.98	1.01	H		8.62		31		
2831	91.31	0.40	0.41	91.40	0.38	0.38	1.21	0.56	H	+ 16.	5.66	1	11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2807	- 0.12	+ 0.22	+ 0.46	- 1.15	+ 0.15	+ 0.12	- 0.05	- 0.09	- 0.27	+ 0.42
4890	- 0.26	+ 0.61	+ 0.77	- 2.14	- 0.15	- 0.02	- 0.08	- 0.11	- 3.25	+ 0.37
2808	- 0.40	+ 0.11	+ 0.22	+ 1.73	- 1.46	+ 0.39	- 0.14	- 0.31	+ 3.88	+ 0.25
4891	+ 0.17	- 0.01	- 0.02	- 3.60	+ 1.52	+ 1.12	- 0.19	- 0.42	- 2.07	+ 3.76
4892	- 0.02	+ 0.04	+ 0.15	+ 3.65	- 0.68	+ 0.05	- 0.04	- 0.10	- 3.76	+ 0.80
4893	- 0.87	+ 1.40	+ 2.03	- 5.85	- 0.85	+ 0.12	- 0.26	- 0.39	+ 1.65	+ 0.08
2810	+ 0.39	- 0.02	- 0.06	+ 3.19	+ 0.36	- 1.18	+ 0.07	+ 0.19	- 6.95	- 2.42
2809	- 0.08	+ 0.10	+ 0.18	+ 0.42	- 0.42	- 0.73	+ 0.21	+ 0.38	- 0.99	- 1.46
4894	- 0.76	+ 0.66	+ 0.96	- 0.01	- 1.40	- 0.35	- 0.04	- 0.08	+ 0.82	- 0.74
4895	+ 0.30	- 0.58	- 0.90	- 1.08	+ 0.67	+ 0.07	+ 0.17	+ 0.30	- 2.37	+ 0.38
4896	- 0.24	+ 0.04	+ 0.19	- 0.96	- 1.30	+ 0.14	- 0.02	- 0.10	- 2.69	+ 1.41
4897	+ 0.75	- 1.64	- 2.10	- 0.89	+ 1.19	+ 0.26	+ 0.10	+ 0.14	+ 1.68	+ 0.11
4898	- 0.15	+ 0.24	+ 0.94	- 3.37	- 0.16	+ 0.38	- 0.23	- 0.90	+ 1.09	+ 1.55
4899	+ 0.48	- 0.25	- 0.34	- 2.71	+ 0.95	+ 0.62	- 0.10	- 0.15	+ 0.73	+ 0.93
2813	+ 0.06	- 0.05	- 0.09	- 0.41	+ 0.28	- 2.48	+ 0.23	+ 0.41	- 6.90	- 3.67
2812	+ 0.37	- 0.35	- 0.41	+ 1.30	- 0.02	- 0.92	+ 0.31	+ 0.36	+ 2.22	- 3.76
4901	+ 0.19	- 0.04	- 0.12	+ 6.75	- 1.00	+ 0.71	- 0.14	- 0.37	+ 1.95	+ 1.88
4902	+ 0.04	- 0.13	- 0.37	+ 2.68	- 0.25	- 0.22	+ 0.15	+ 0.33	- 0.55	- 0.49
4903	+ 0.06	- 0.06	- 0.13	+ 3.48	- 0.30	+ 0.70	- 0.24	- 0.40	- 0.37	+ 1.50
3955	- 0.69	+ 0.53	+ 0.77	- 1.15	- 0.97	- 0.12	+ 0.13	+ 0.20	+ 0.91	- 0.46
2815	- 0.21	+ 0.04	+ 0.07	- 2.44	+ 0.55	+ 0.26	- 0.05	- 0.08	+ 2.27	- 0.24
4904	+ 0.84	- 1.81	- 2.97	+ 0.36	+ 1.52	- 0.27	+ 0.34	+ 0.55	+ 2.08	- 0.70
4905	- 1.00	+ 0.18	+ 0.23	+ 0.31	- 1.48	- 0.40	+ 0.14	+ 0.18	+ 0.70	- 0.67
4906	+ 0.14	- 0.07	- 0.32	+ 3.29	- 0.12	+ 0.04	- 0.03	- 0.13	+ 1.51	- 0.15
2817	- 0.20	+ 0.26	+ 0.35	- 0.86	- 0.04	- 0.44	+ 0.19	+ 0.26	- 3.12	+ 0.25
4907	+ 0.07	- 0.13	- 0.28	- 0.61	+ 0.39	- 1.99	+ 0.71	+ 1.26	- 2.66	- 3.74
2818	- 0.42	+ 0.36	+ 0.62	- 1.01	- 0.69	+ 0.10	- 0.11	- 0.20	- 1.91	+ 0.79
2819	- 0.08	+ 0.01	+ 0.03	- 2.36	+ 0.30	+ 0.43	- 0.02	- 0.11	+ 6.82	+ 0.61
4908	- 1.52	+ 1.31	+ 2.04	- 6.56	- 1.87	- 0.08	- 0.28	- 0.49	+ 2.72	- 0.25
2822	- 0.41	+ 0.02	+ 0.12	- 5.22	- 1.25	- 0.07	+ 0.00	+ 0.01	- 3.23	+ 0.65
4909	- 0.37	+ 0.13	+ 0.38	+ 3.28	- 1.95	- 0.72	+ 0.16	+ 0.55	+ 3.37	- 3.89
4910	+ 0.00	+ 0.00	+ 0.00	+ 2.30	- 0.28	+ 0.24	- 0.05	- 0.10	+ 4.41	- 0.04
4911	- 1.35	+ 1.07	+ 1.84	- 3.65	- 2.16	+ 0.52	- 0.23	- 0.40	+ 2.70	+ 0.58
2821	- 0.30	+ 0.14	+ 0.30	+ 0.54	- 0.83	+ 0.26	- 0.02	- 0.08	+ 3.52	+ 0.30
4912	- 0.08	+ 0.20	+ 1.41	+ 3.54	- 1.02	- 0.10	+ 0.08	+ 0.45	- 0.54	- 0.53
2823	- 0.81	+ 0.57	+ 0.70	- 3.10	+ 0.12	+ 0.26	- 0.15	- 0.18	+ 0.13	+ 0.42
2820	- 4.09	+ 3.59	+ 4.39	- 7.09	- 4.38	+ 3.08	- 1.01	- 1.35	+ 4.47	+ 3.91
2825	- 0.42	+ 0.52	+ 0.66	- 0.89	- 0.42	+ 0.52	- 0.76	- 1.01	+ 1.17	+ 0.59
2824	- 0.07	+ 0.22	+ 0.30	+ 0.30	- 0.25	- 0.17	+ 0.21	+ 0.26	- 0.47	- 0.14
4913	- 0.15	+ 0.22	+ 0.43	- 0.06	- 0.34	+ 1.61	- 0.80	- 1.44	+ 3.31	+ 2.88
4914	+ 0.45	- 0.11	- 0.22	- 3.08	+ 1.66	+ 0.44	- 0.09	- 0.24	+ 0.39	+ 1.24
4915	+ 0.31	- 0.29	- 0.70	+ 1.84	+ 0.69	- 1.19	+ 0.37	+ 0.88	- 4.91	- 2.71
4916	+ 0.99	- 0.14	- 0.27	+ 2.31	+ 2.06	+ 1.17	- 0.07	- 0.21	+ 5.44	+ 2.31
2826	- 0.50	+ 0.86	+ 1.00	- 1.16	- 0.25	- 0.08	+ 0.20	+ 0.23	+ 0.52	- 0.37
4917	- 0.55	+ 0.60	+ 1.41	+ 0.44	- 1.54	+ 0.06	- 0.21	- 0.53	- 0.44	+ 0.41
2827	+ 1.19	- 0.37	- 0.45	+ 6.88	- 0.75	+ 0.15	- 0.02	- 0.02	+ 2.16	- 0.71
4918	+ 0.06	- 0.04	- 0.07	+ 2.65	- 0.39	- 0.47	+ 0.13	+ 0.18	- 5.30	+ 0.39
2830	- 0.19	+ 0.02	+ 0.06	- 2.23	- 0.06	+ 0.09	- 0.01	- 0.03	+ 0.47	+ 0.31
4919	+ 0.09	- 0.02	- 0.03	- 0.03	+ 0.22	- 0.84	+ 0.41	+ 0.98	+ 6.13	- 3.12
2831	+ 0.49	- 0.08	- 0.30	+ 1.74	+ 1.87	- 0.13	+ 0.02	+ 0.06	- 0.27	- 0.51

FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
2807	0.64	0.79	0.97	1.28	0.82	0.69	0.50	0.54	1.51	0.99	1.01	0.51	1.90	0.93	0.41	
4890	0.56	0.78	0.85	1.86	0.57	0.63	0.60	0.63	2.02	0.68	2.08	0.99	2.35	1.98	0.33	t
2808	1.01	0.56	0.59	2.98	1.45	1.10	0.71	0.76	3.41	1.59	1.30	1.11	1.14	1.36	0.94	
4891	1.11	0.64	0.67	3.31	1.77	1.09	0.59	0.61	3.38	1.69	1.17	2.48	1.31	2.06	0.83	t
4892	0.89	0.95	1.26	2.90	1.15	0.84	0.68	0.77	3.02	1.21	0.76	1.60		1.97	1.13	
4893	0.66	0.77	0.86	2.39	0.71	0.70	0.47	0.49	2.72	0.78	3.18	2.59	2.72	2.08	0.78	
2810	1.24	0.50	0.51	3.99	2.13	1.26	0.47	0.48	4.71	2.15	1.71	1.20	2.27	1.08	0.64	
2809	0.91	0.41	0.43	2.20	1.31	0.94	0.56	0.59	2.31	1.33	0.59	1.31	1.31	0.37	0.99	
4894	1.29	1.23	1.34	3.11	1.55	1.34	0.77	0.80	3.41	1.63	0.38	1.25	0.56	0.57	0.30	
4895	0.73	0.92	1.06	2.28	0.81	0.88	0.68	0.75	2.82	1.05	0.92	1.23	0.50	1.17	0.27	
4896	0.83	0.54	0.57	3.63	1.66	0.80	0.48	0.50	3.62	1.66	0.78	1.21	0.63	1.03	1.72	
4897	0.69	0.93	1.01	2.27	0.72	0.85	0.51	0.52	2.72	0.94	0.75	2.66	1.16	1.03	0.95	
4898	0.77	0.80	1.04	2.44	1.01	0.82	0.72	0.84	2.52	1.26	1.78	1.74	0.94	1.23	0.29	
4899	0.81	0.68	0.73	3.22	0.92	0.95	0.59	0.62	3.72	1.15	1.46	0.75		1.10	1.19	
2813	1.11	0.65	0.68	2.74	1.45	1.26	0.48	0.49	3.31	1.85	2.19	2.14	2.14	0.88	0.31	
2812	0.77	0.67	0.69	1.38	0.76	1.06	0.51	0.52	1.71	1.41	1.54	2.76	2.05	2.83	0.35	t
4901	1.08	0.64	0.67	3.61	1.79	1.05	0.63	0.66	3.62	1.66	1.97	1.34	1.26	1.92	2.12	
4902	0.79	1.01	1.36	2.45	0.92	0.88	0.74	0.83	2.62	1.18	1.13	0.57	1.52	1.12	1.20	
4903	0.82	0.97	1.16	2.78	0.95	0.91	0.60	0.63	2.72	1.18	1.42	1.20		1.43	0.91	
3955	0.58	0.50	0.54	1.26	0.72	0.73	0.47	0.50	2.17	0.94	1.44	2.00	1.21	0.59	1.94	
2815	0.71	0.45	0.47	1.55	0.98	0.77	0.43	0.45	1.83	1.12	2.01	0.47	1.05	2.01	0.36	
4904	0.67	0.87	1.01	2.46	0.74	0.71	0.46	0.48	2.52	0.82	1.40	3.70	1.31	1.14	0.88	
4905	0.97	0.40	0.41	3.53	1.11	0.99	0.44	0.45	3.83	1.14	0.14	1.58	1.49	0.59	0.80	
4906	1.39	1.21	1.40	4.29	2.27	1.34	1.13	1.29	4.31	2.18	0.08	0.87		0.78	1.81	
2817	0.55	0.64	0.70	1.11	0.63	0.69	0.50	0.53	1.52	0.86	2.31	0.41	2.92	2.03	0.76	
4907	0.94	0.85	0.97	2.61	1.23	0.88	0.59	0.63	2.62	1.16	3.81	1.46		0.51	0.34	
2818	0.94	0.84	0.93	2.25	1.19	0.98	0.63	0.67	2.51	1.29	0.95	1.06	2.53	0.97	1.01	t
2819	0.93	0.47	0.49	3.43	1.81	0.97	0.44	0.45	4.01	2.23	1.85	0.35	2.96	1.52	1.40	t
4908	0.83	0.77	0.85	2.82	0.97	0.78	0.63	0.67	3.12	0.89	3.07	3.04	1.68	1.82	0.74	
2822	1.11	0.54	0.55	4.99	2.51	1.12	0.45	0.46	4.91	3.09	1.25	0.57	0.88	0.98	0.94	t
4909	1.01	0.79	0.88	3.78	1.56	1.04	0.72	0.78	3.71	1.78	2.66	1.06		2.18	0.73	t
4910	0.69	0.47	0.50	2.45	0.85	0.80	0.45	0.47	3.03	1.07	1.73	0.29	1.20	1.70	0.86	
4911	1.02	0.91	1.01	3.23	1.24	1.09	0.64	0.67	3.32	1.43	1.86	2.56	1.39	0.73	1.75	
2821	0.64	0.49	0.53	2.57	0.85	0.81	0.41	0.42	3.12	1.64	1.15	1.15	1.41	1.05	0.51	t
4912	0.78	0.87	1.39	3.02	0.95	0.77	0.76	0.98	3.22	1.07	1.61	0.70		1.44	0.61	
2823	0.74	0.63	0.66	1.34	0.88	0.79	0.46	0.47	1.51	0.97	2.55	0.75	0.76	2.01	0.37	t
2820	0.61	0.58	0.61	1.22	0.72	0.77	0.62	0.65	1.85	0.92	9.03	10.78	8.97	1.93	4.34	
2825	0.68	0.60	0.63	1.45	0.77	0.74	0.76	0.82	1.71	0.85	1.47	1.62	1.75	0.42	1.18	
2824	0.52	0.83	0.96	1.06	0.58	0.55	0.65	0.71	1.22	0.63	0.52	0.71	0.58	0.52	0.80	t
4913	0.93	0.89	1.00	2.89	1.13	1.02	0.78	0.84	3.27	1.30	2.82	1.42		0.15	1.91	
4914	0.96	0.70	0.77	3.25	1.33	1.05	0.80	0.89	3.21	1.57	0.87	1.55	0.48	1.37	0.42	t
4915	0.85	0.71	0.80	3.74	1.09	0.92	0.61	0.65	4.42	1.30	2.61	1.45		0.56	1.11	
4916	1.17	0.65	0.68	3.68	1.74	1.28	0.63	0.65	4.22	2.12	1.72	1.50		0.66	0.42	
2826	0.73	0.89	0.93	1.23	0.82	0.85	0.62	0.63	1.62	0.99	1.42	1.09	2.10	0.77	0.91	t
4917	0.86	0.86	1.03	2.77	1.08	0.88	0.61	0.68	2.72	1.23	2.01	0.33		0.72	2.21	t
2827	0.91	0.57	0.58	1.82	0.99	1.03	0.43	0.44	2.02	1.30	3.98	0.57	1.09	3.87	0.52	t
4918	0.84	0.99	1.09	2.29	0.94	0.99	0.58	0.60	2.62	1.19	2.30	0.27	0.82	2.33	1.36	
2830	0.84	0.40	0.41	2.69	1.66	0.87	0.39	0.40	3.01	1.84	0.86	0.19	0.92	0.69	1.34	
4919	0.83	0.71	0.81	3.12	1.09	0.86	0.68	0.76	3.34	1.18	2.94	1.50		2.61	1.19	
2831	0.66	0.42	0.44	2.05	1.28	0.64	0.39	0.41	2.12	1.17	0.99	1.68	1.19	0.11	0.25	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2829	50635	BX		10 20 31.149568	+ 54 13 0.61911	- 34.65	- 6.14
2828	50685	RS		10 21 3.340627	+ 68 44 51.54582	- 54.44	- 33.95
2832	50728	BX		10 21 28.664286	- 23 42 39.00707	- 49.66	+ 17.25
2834	50847	BX		10 22 58.145066	- 66 54 5.39496	- 23.00	+ 10.95
4922	50850	FX		10 22 59.699872	- 11 16 51.53881	- 17.05	- 10.83
4923	50852	FX		10 23 1.315236	+ 30 50 13.98143	- 46.80	- 12.01
4924	50873	FX		10 23 17.149102	- 40 41 43.77034	+ 15.70	- 2.85
4925	50990	FX		10 24 58.567705	+ 12 43 48.72517	- 57.54	- 0.83
2835	51008	BX	44 Leo	10 25 15.195498	+ 8 47 5.43917	+ 11.19	- 38.81
2836	51046	RS		10 25 44.271055	- 7 3 35.38436	- 135.45	+ 129.01
4926	51064	FX		10 26 2.536665	+ 58 57 29.48402	- 13.51	- 4.44
2837	51161	BX		10 27 0.485864	+ 19 21 52.32353	- 58.30	- 7.08
4929	51279	FX		10 28 26.351973	+ 15 45 20.93548	- 132.26	+ 3.45
2838	51290	BX		10 28 36.518995	+ 45 12 43.96022	- 22.64	- 21.16
4930	51424	FX		10 30 7.867674	- 70 53 17.16806	- 33.15	+ 28.12
2840	51434	RS		10 30 15.264780	+ 50 34 8.84618	- 0.57	- 35.15
2841	51437	RS	β Sex	10 30 17.479889	- 0 38 13.30396	- 39.66	- 23.44
2842	51438	RS		10 30 20.127778	- 71 59 34.05009	+ 27.93	- 29.51
2839	51448	RS		10 30 26.585765	+ 64 15 27.68017	- 50.51	- 50.93
4931	51493	FX		10 31 0.791463	+ 5 20 28.75445	- 36.18	- 5.58
4933	51552	FX		10 31 48.755747	+ 73 46 49.50028	- 15.24	- 20.63
4934	51621	FX		10 32 46.624693	- 43 37 39.45787	- 10.92	+ 0.60
4935	51640	FX		10 33 4.250016	- 76 2 20.83713	- 6.17	- 37.12
4936	51645	FX		10 33 6.276588	- 14 45 10.03972	- 12.52	- 1.92
4937	51668	FX		10 33 21.295270	+ 67 53 40.18187	+ 7.51	- 8.11
4938	51736	FX		10 34 15.551218	- 9 16 48.68845	- 15.68	+ 0.67
4939	51767	FX		10 34 40.309313	- 33 45 53.91446	+ 3.37	- 2.94
2846	51775	BX	48 Leo	10 34 48.013827	+ 6 57 13.49557	- 101.68	+ 56.52
4940	51809	FX		10 35 6.097143	+ 2 12 16.33721	- 20.75	+ 2.87
4941	51813	FX		10 35 8.596800	+ 41 54 32.13776	+ 25.20	- 15.76
2847	51835	BX		10 35 24.760606	- 76 18 32.34659	- 17.32	+ 8.05
4942	51868	FX		10 35 50.954558	- 51 25 42.43551	- 7.41	+ 10.74
2845	51883	BX		10 36 1.956747	+ 80 29 40.66300	- 18.08	- 3.83
4943	51917	FX		10 36 22.562044	+ 35 7 20.02805	- 26.07	- 87.72
2848	51979	BX		10 37 13.724834	- 27 24 45.48257	- 112.53	+ 21.62
4944	52028	FX		10 37 48.476157	+ 19 58 34.89615	- 8.70	- 10.94
4945	52065	FX		10 38 20.027696	- 86 53 49.65008	- 37.11	+ 35.23
2851	52120	BX	58 Leo	10 38 54.533849	+ 16 7 38.72370	+ 55.12	- 22.19
2849	52136	RS		10 39 5.655674	+ 53 40 5.88132	- 89.95	- 79.28
4947	52147	FX		10 39 10.035710	+ 14 43 57.34470	- 5.00	- 1.14
4948	52167	FX		10 39 30.005608	- 62 16 27.29112	+ 51.46	- 7.30
4949	52168	FX		10 39 30.021308	- 37 48 41.32438	- 8.86	+ 7.55
2854	52204	RS		10 39 58.160973	- 49 16 46.74616	- 25.48	+ 28.12
4950	52216	FX		10 40 7.556493	+ 46 50 26.75844	- 46.79	- 29.21
4951	52349	FX		10 41 54.861314	- 4 4 27.64265	- 53.41	- 12.77
2855	52353	BX	38 UMa	10 41 56.549722	+ 65 42 58.60785	- 164.07	- 74.95
4953	52379	FX		10 42 22.104350	- 20 36 11.58786	- 29.60	+ 1.09
2858	52472	BX		10 43 36.267331	- 39 3 30.32786	+ 9.38	+ 9.37
4954	52495	FX		10 43 56.449340	+ 49 48 3.27544	- 3.07	+ 6.78
2859	52536	BX		10 44 28.102680	- 23 59 7.54426	- 25.92	+ 14.07

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2829	91.20	0.49	0.44	91.10	0.41	0.38	7.13	0.72	H	+ 9.7	6.01		31		
2828	91.33	0.41	0.37	91.34	0.45	0.41	7.95	0.62	H	+ 3.9	5.88	1	39		
2832	91.36	0.59	0.47	91.41	0.51	0.50	8.73	0.74	H	+ 14.1	6.47		11	1	3
2834	91.16	0.45	0.46	91.38	0.42	0.42	7.59	0.50	H	+ 12.	4.97		18		
4922	91.32	0.97	0.95	91.28	0.82	0.79	1.26	1.16	H		8.68		11	1	3
4923	91.26	0.72	0.66	91.54	0.51	0.49	3.58	0.87	H	+ 35.	7.52		11	1	3
4924	91.00	0.37	0.40	91.22	0.52	0.54	3.63	0.72	H		7.24		35		
4925	91.26	0.94	0.60	91.22	0.68	0.58	7.28	1.04	H	+ 20.0	8.24		11	1	3
2835	91.32	0.72	0.43	91.55	0.56	0.43	4.63	0.84	H	- 20.5	5.61	1	33		
2836	91.37	0.71	0.62	91.36	0.50	0.50	9.91	0.83	H	+ 32.2	5.60	1	11	1	3
4926	91.34	0.66	0.60	91.29	0.70	0.57	2.98	1.06	H		8.55		11	1	3
2837	91.45	0.76	0.69	91.63	0.56	0.50	9.92	0.91	H	+ 31.9	6.15		21	2	
4929	91.36	0.81	0.55	91.52	0.59	0.49	11.74	0.97	H		7.32		31		
2838	91.14	0.72	0.63	90.99	0.45	0.48	4.27	0.82	H	- 4.1	6.37		11	1	3
4930	91.21	0.55	0.64	91.33	0.54	0.60	2.36	0.63	H		7.17	2	13		
2840	91.47	0.55	0.49	91.35	0.46	0.46	10.15	0.81	H	- 3.7	6.74		11	1	3
2841	91.26	0.83	0.59	91.74	0.65	0.68	9.46	1.16	H	+ 11.6	5.08		11	1	3
2842	91.25	0.40	0.42	91.34	0.42	0.44	12.60	0.47	H	+ 7.5	4.72		21	2	
2839	91.24	0.38	0.39	91.28	0.40	0.38	11.27	0.60	H	- 13.	6.07		29	2	
4931	91.23	0.93	0.59	91.70	0.56	0.56	5.63	1.06	H		7.77		11	1	3
4933	91.17	0.67	0.69	91.38	0.66	0.59	5.53	0.89	H		8.28		31		
4934	91.32	0.48	0.49	91.57	0.56	0.55	2.03	0.47	P		7.80		11	1	3
4935	90.95	0.65	0.69	91.13	0.59	0.63	2.88	0.71	H		8.11		31		
4936	91.32	0.84	0.80	91.37	0.75	0.68	3.91	0.90	P		8.08		31		
4937	91.32	0.80	0.67	91.22	0.71	0.62	2.24	1.11	H		8.92		11	1	3
4938	91.35	1.15	1.06	91.51	0.79	0.81	.86	1.41	H		8.98		11	1	3
4939	91.01	0.64	0.82	91.15	0.69	0.85	3.34	0.77	P		8.31		11	1	3
2846	91.27	0.74	0.45	91.44	0.44	0.38	10.23	0.78	H	+ 5.3	5.07		19	1	1
4940	91.07	0.83	0.46	91.56	0.58	0.48	3.41	0.96	H		6.65		11	1	3
4941	91.16	0.64	0.54	91.47	0.46	0.40	3.62	0.90	H		6.94		15	1	3
2847	91.13	0.49	0.47	91.27	0.45	0.44	6.31	0.54	H	+ 17.8	6.29		28	2	
4942	91.32	0.59	0.58	91.46	0.57	0.56	2.80	0.80	H		7.98		35		
2845	91.03	0.45	0.46	91.24	0.46	0.46	7.62	0.55	H	- 11.0	6.48		21	2	
4943	91.24	0.87	0.67	91.58	0.55	0.54	7.26	1.16	H		8.84		11	1	3
2848	90.98	0.52	0.54	91.37	0.57	0.58	6.80	0.85	H	+ 16.9	4.87	1	11	1	3
4944	91.48	0.97	0.82	91.60	0.51	0.58	6.33	1.25	H		8.65		11	1	3
4945	91.25	0.58	0.55	91.21	0.52	0.50	16.91	0.67	H	+ 34.7	7.51		21	2	
2851	91.16	0.73	0.48	91.36	0.44	0.40	19.28	0.79	H	- 11.3	6.61		31		
2849	91.11	0.41	0.45	91.40	0.38	0.38	6.34	0.64	H	+ 44.9	5.55		19	1	1
4947	91.38	1.02	0.70	91.22	0.59	0.54	2.35	1.03	H		8.38		11	1	3
4948	91.21	0.70	0.80	91.35	0.67	0.67	4.42	0.78	H		8.54		31		
4949	91.25	0.73	0.76	91.46	0.63	0.70	2.97	0.93	H		8.09		21	2	
2854	91.41	0.47	0.45	91.58	0.46	0.47	3.38	0.69	H		6.97	1	31		
4950	91.18	0.62	0.49	91.27	0.49	0.44	10.69	0.80	H	- 6.4	7.27		11	1	3
4951	91.21	0.90	0.71	91.52	0.62	0.69	6.83	1.13	H		8.26		11	1	3
2855	91.28	0.37	0.37	91.29	0.37	0.38	14.58	0.54	H	- 15.3	5.12		28	2	
4953	91.29	0.83	0.66	91.36	0.52	0.57	4.13	0.94	H		7.70		11	1	3
2858	91.02	0.58	0.63	91.53	0.53	0.59	22.72	0.80	H		7.03		21	2	
4954	91.47	0.55	0.50	91.51	0.52	0.49	5.01	0.88	H		7.03		31		
2859	91.25	0.63	0.46	91.38	0.47	0.45	1.64	0.38	P		6.63		21	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2829	+ 0.15	- 0.18	- 0.24	+ 1.14	- 0.17	- 0.11	+ 0.08	+ 0.11	+ 2.56	- 0.90
2828	+ 0.42	- 0.16	- 0.19	+ 1.19	+ 0.32	+ 0.84	- 0.16	- 0.22	- 4.03	+ 3.46
2832	+ 0.07	- 0.17	- 0.22	- 1.19	+ 0.60	- 0.28	+ 0.28	+ 0.37	+ 0.40	- 0.58
2834	- 0.40	+ 0.11	+ 0.16	- 1.10	- 0.36	- 0.16	+ 0.06	+ 0.09	- 1.66	+ 0.28
4922	+ 0.19	- 0.13	- 1.07	+ 1.43	+ 1.67	- 0.12	+ 0.07	+ 0.53	- 0.58	- 1.01
4923	+ 0.04	- 0.07	- 0.20	- 1.40	+ 0.28	- 0.42	+ 0.07	+ 0.19	- 0.19	- 1.14
4924	+ 0.19	- 0.05	- 0.10	- 0.71	+ 0.64	+ 0.14	- 0.09	- 0.18	- 4.80	+ 1.52
4925	+ 0.18	- 0.40	- 0.64	+ 1.06	+ 0.21	- 0.19	+ 0.16	+ 0.26	- 3.52	+ 0.12
2835	+ 0.16	- 0.41	- 0.65	+ 1.41	- 0.29	- 0.05	+ 0.08	+ 0.16	- 2.69	+ 0.95
2836	- 0.16	+ 0.18	+ 0.25	+ 0.38	- 0.43	+ 0.07	+ 0.00	- 0.01	+ 5.03	- 1.33
4926	- 0.32	+ 0.17	+ 0.39	+ 1.82	- 1.00	- 0.52	+ 0.18	+ 0.43	- 8.56	- 0.61
2837	- 0.27	- 0.73	- 1.12	- 4.26	+ 0.96	- 2.79	+ 1.09	+ 1.51	- 4.79	- 3.35
4929	- 0.64	+ 0.75	+ 0.96	+ 0.15	- 0.94	- 0.75	+ 0.07	+ 0.06	- 6.48	- 0.28
2838	- 0.26	+ 0.44	+ 0.84	- 0.30	- 0.61	- 0.18	+ 0.06	+ 0.13	+ 0.93	- 0.95
4930	+ 0.07	- 0.04	- 0.16	+ 2.60	- 0.19	- 0.80	+ 0.16	+ 0.59	- 6.38	- 2.31
2840	+ 1.32	- 0.32	- 0.45	+ 0.24	+ 2.47	- 0.25	+ 0.09	+ 0.13	+ 2.32	- 1.07
2841	- 0.14	- 0.20	- 0.46	- 0.82	+ 0.06	- 0.81	+ 0.80	+ 1.27	- 0.79	- 1.36
2842	- 0.28	+ 0.01	+ 0.01	- 0.60	- 0.26	+ 1.91	- 0.42	- 0.53	- 6.64	+ 5.45
2839	+ 1.34	- 0.28	- 0.34	+ 2.29	+ 1.39	- 1.95	+ 0.12	+ 0.19	- 8.70	- 0.92
4931	- 0.10	+ 0.29	+ 0.54	- 0.53	- 0.14	+ 0.14	- 0.24	- 0.41	- 0.77	+ 0.35
4933	- 0.34	+ 0.23	+ 0.45	- 7.37	+ 0.25	- 0.19	+ 0.08	+ 0.16	- 2.96	+ 0.01
4934	- 0.10	+ 0.02	+ 0.06	- 1.36	+ 0.05	+ 0.00	+ 0.01	+ 0.03	+ 2.66	- 0.90
4935	+ 0.17	- 0.04	- 0.15	- 3.54	+ 1.72	+ 0.27	- 0.04	- 0.16	- 3.10	+ 2.35
4936	+ 0.41	- 0.12	- 0.36	- 0.36	+ 1.84	+ 0.62	- 0.20	- 0.49	- 6.15	+ 3.64
4937	+ 0.28	- 0.14	- 0.45	+ 4.86	+ 0.34	+ 0.12	- 0.03	- 0.08	- 0.02	+ 0.40
4938	+ 0.10	- 0.08	- 1.05	+ 5.01	- 0.08	+ 0.16	- 0.04	- 0.52	+ 0.10	+ 2.88
4939	- 0.53	+ 0.18	+ 0.54	- 3.33	- 1.05	- 0.58	+ 0.25	+ 0.80	- 1.54	- 1.98
2846	- 0.52	+ 1.20	+ 1.49	- 1.65	- 0.40	- 0.17	+ 0.08	+ 0.08	- 0.94	- 0.04
4940	- 0.13	+ 0.47	+ 0.89	- 0.22	- 0.26	- 0.19	+ 0.17	+ 0.23	+ 0.28	- 0.35
4941	+ 0.45	- 0.25	- 0.44	- 2.80	+ 1.11	+ 0.63	- 0.19	- 0.27	- 0.62	+ 1.11
2847	+ 1.36	- 0.32	- 0.50	+ 2.49	+ 2.01	+ 0.40	- 0.14	- 0.19	- 4.56	+ 2.30
4942	- 0.92	+ 0.22	+ 0.63	- 0.13	- 3.45	+ 0.13	- 0.06	- 0.17	- 1.55	+ 0.95
2845	- 0.12	+ 0.01	+ 0.03	- 8.15	+ 3.29	- 0.57	+ 0.08	+ 0.13	- 1.89	- 0.70
4943	+ 0.34	- 0.32	- 0.56	+ 4.38	+ 0.08	- 0.87	+ 0.31	+ 0.50	- 3.25	- 1.12
2848	+ 0.71	- 0.30	- 0.45	+ 1.07	+ 1.09	+ 0.32	- 0.07	- 0.10	+ 2.20	- 0.15
4944	+ 0.88	- 0.88	- 1.82	+ 3.43	+ 1.55	- 0.13	+ 0.12	+ 0.24	- 4.15	+ 0.29
4945	- 0.08	+ 0.05	+ 0.07	- 2.14	+ 0.38	- 0.38	+ 0.13	+ 0.16	- 0.24	- 0.53
2851	- 0.95	+ 1.64	+ 1.93	- 2.26	- 0.45	- 0.89	+ 0.30	+ 0.32	- 0.65	- 1.16
2849	+ 0.57	- 0.14	- 0.20	+ 1.95	+ 0.60	+ 0.55	- 0.05	- 0.08	+ 3.34	+ 0.19
4947	- 0.33	+ 0.33	+ 0.98	- 3.16	- 0.60	- 0.03	+ 0.00	- 0.01	- 1.99	+ 0.21
4948	- 0.46	+ 0.09	+ 0.34	- 9.06	+ 1.12	- 0.19	+ 0.05	+ 0.17	+ 2.91	- 2.08
4949	+ 1.05	- 0.40	- 1.40	+12.54	+ 0.74	- 0.43	+ 0.21	+ 0.71	- 0.98	- 1.53
2854	+ 0.17	- 0.02	- 0.07	+ 2.38	+ 0.19	+ 0.70	- 0.06	- 0.19	+ 4.19	+ 2.19
4950	+ 0.87	- 0.71	- 0.89	+ 2.11	+ 1.02	- 0.22	+ 0.19	+ 0.24	+ 6.65	- 0.92
4951	+ 0.01	- 0.11	- 0.24	+ 1.55	- 0.20	- 0.74	+ 0.44	+ 0.77	+ 1.70	- 1.98
2855	- 2.49	+ 1.22	+ 1.36	+ 1.94	- 4.40	+ 0.27	- 0.07	- 0.09	+ 5.35	- 1.26
4953	+ 0.02	+ 0.00	- 0.01	+ 0.44	- 0.06	- 0.01	+ 0.01	+ 0.01	- 0.84	+ 0.23
2858	+ 6.02	- 2.28	- 2.92	+ 6.39	+ 8.67	+ 3.54	- 0.84	- 1.03	- 1.43	+ 6.78
4954	+ 0.93	- 0.34	- 0.52	+ 1.35	+ 1.42	+ 1.05	- 0.42	- 0.63	+ 7.09	+ 0.92
2859	- 0.11	+ 0.07	+ 0.17	- 3.44	+ 0.71	- 0.50	+ 0.25	+ 0.59	- 6.42	+ 0.22

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
2829	0.59	0.62	0.66	1.18	0.69	0.73	0.43	0.45	1.72	0.88	1.75	1.02	2.71	2.03	1.62	t
2828	0.69	0.43	0.44	1.57	0.78	0.92	0.43	0.44	1.93	1.24	2.10	2.84	1.50	3.29	0.56	t
2832	0.64	0.66	0.70	1.28	0.75	0.72	0.65	0.69	1.71	0.83	0.67	1.14	0.96	1.32	0.31	
2834	0.92	0.50	0.52	1.92	1.25	0.83	0.47	0.48	1.83	1.05	1.11	0.42	0.87	0.97	1.63	t
4922	1.04	0.98	1.21	2.82	1.85	0.92	0.82	0.95	2.81	1.71	1.44	0.89		0.15	1.79	
4923	0.91	0.74	0.83	3.89	1.20	0.95	0.51	0.55	3.61	1.44	0.32	0.89	0.72	0.48	0.60	
4924	0.80	0.42	0.44	2.22	1.14	0.78	0.61	0.67	2.13	1.04	2.08	1.47	0.72	2.72	0.53	t
4925	0.70	0.91	1.05	2.38	0.77	0.88	0.68	0.73	2.92	1.05	0.65	1.40		1.22	0.31	
2835	0.50	0.76	0.89	0.94	0.59	0.55	0.60	0.66	1.12	0.67	2.59	0.97	0.93	3.18	1.12	t
2836	0.84	0.82	0.89	1.82	1.00	1.06	0.53	0.55	2.61	1.37	1.89	1.04	2.39	2.19	0.73	
4926	0.82	0.66	0.73	3.53	1.09	0.86	0.61	0.66	4.02	1.18	1.30	2.24		2.04	0.50	
2837	1.02	0.85	0.92	2.57	1.22	0.90	0.59	0.62	1.81	1.16	3.55	3.80	1.32	1.95	1.20	t
4929	0.71	0.84	0.91	2.21	0.76	0.79	0.61	0.65	2.72	0.87	2.38	1.75	2.49	2.22	1.10	
2838	0.76	0.83	0.98	2.03	0.89	0.98	0.50	0.52	2.61	1.56	0.59	1.26	0.18	0.63	1.50	t
4930	0.97	0.66	0.70	3.63	1.82	0.93	0.62	0.66	3.74	1.62	1.98	1.66	1.46	1.21	0.39	t
2840	1.03	0.53	0.54	2.40	1.29	1.19	0.48	0.49	3.41	1.58	0.70	2.19	1.34	1.22	0.07	
2841	0.73	0.95	1.09	1.68	0.80	0.91	0.91	1.03	2.21	1.09	0.89	1.76	1.46	0.53	1.83	t
2842	1.00	0.44	0.45	2.09	1.29	0.98	0.47	0.48	2.23	1.22	2.69	4.58	0.75	4.76	0.45	
2839	0.86	0.42	0.43	1.66	1.08	1.19	0.39	0.40	2.82	1.64	3.48	1.63	3.08	2.43	0.45	t
4931	0.68	0.91	1.09	2.14	0.76	0.71	0.75	0.85	2.42	0.81	0.75	0.47		0.47	0.40	
4933	0.94	0.80	0.89	3.21	1.18	0.99	0.63	0.67	3.44	1.31	0.17	2.50		2.37	0.43	
4934	0.80	0.50	0.54	2.44	1.40	0.80	0.58	0.63	2.33	1.33	1.24	0.63	1.17	1.42	0.99	
4935	1.07	0.71	0.75	4.17	2.00	1.07	0.64	0.67	4.15	2.15	1.06	1.41	0.66	1.63	3.30	
4936	1.12	0.85	0.93	3.08	1.85	1.02	0.73	0.79	3.02	1.54	2.64	1.81		2.95	2.65	
4937	0.86	0.73	0.83	3.30	1.23	0.85	0.65	0.72	3.44	1.28	0.63	1.56		1.29	1.33	
4938	1.11	1.08	1.38	3.00	1.96	0.93	0.82	0.91	3.11	2.21	1.48	1.85		1.60	1.51	
4939	1.06	0.87	0.99	2.91	1.70	1.07	0.91	1.05	3.12	1.66	1.46	1.67	1.95	0.69	0.69	
2846	0.55	0.76	0.82	1.23	0.59	0.58	0.49	0.50	1.51	0.63	2.22	1.88	2.44	1.06	2.15	t
4940	0.50	0.81	1.04	1.87	0.54	0.58	0.66	0.76	2.12	0.66	0.52	1.24	1.28	0.28	0.56	
4941	0.70	0.66	0.74	2.62	0.83	0.65	0.46	0.49	2.42	0.78	0.88	2.19	0.71	1.58	1.06	t
2847	0.92	0.50	0.52	2.03	1.28	0.84	0.48	0.50	1.95	1.10	2.60	2.74	4.38	3.08	1.19	t
4942	0.92	0.60	0.64	2.76	1.52	0.90	0.58	0.62	2.73	1.46	0.56	2.55	0.72	1.33	1.10	t
2845	0.83	0.51	0.53	1.69	1.08	1.09	0.48	0.49	2.84	1.54	4.66	2.78	1.12	5.71	0.79	t
4943	0.94	0.80	0.88	3.11	1.13	0.96	0.59	0.62	3.22	1.20	1.25	1.90		1.44	0.32	
2848	0.87	0.62	0.66	1.89	1.15	0.89	0.67	0.71	2.01	1.16	1.33	1.16	0.55	1.01	1.01	
4944	1.02	1.00	1.16	3.00	1.28	0.92	0.65	0.69	3.11	1.14	1.95	2.12		1.46	2.33	
4945	0.90	0.66	0.68	2.22	1.04	0.96	0.56	0.57	2.46	1.13	0.96	0.61	9.07	1.03	0.42	
2851	0.62	0.80	0.84	1.05	0.71	0.71	0.49	0.50	1.32	0.83	3.22	2.73	1.95	1.46	0.73	
2849	0.88	0.48	0.50	2.33	1.10	0.95	0.39	0.40	2.52	1.27	1.62	0.70	1.06	1.23	0.36	t
4947	0.81	0.80	0.98	2.51	1.08	0.78	0.58	0.63	2.92	1.12	1.09	1.68		1.17	1.01	
4948	1.27	0.82	0.87	3.90	2.44	1.20	0.69	0.72	3.63	2.26	2.48	1.00	1.55	2.50	2.03	
4949	1.03	0.80	0.89	3.00	1.73	0.98	0.74	0.81	3.12	1.55	4.47	1.66	3.68	3.41	0.97	
2854	1.05	0.46	0.47	4.02	2.01	1.06	0.48	0.49	4.31	2.04	1.18	1.14	1.09	0.64	3.17	
4950	0.73	0.63	0.66	2.71	0.78	0.82	0.51	0.52	3.12	0.90	2.30	2.13	0.61	2.36	0.79	
4951	0.85	0.97	1.13	2.44	0.99	1.00	0.80	0.87	2.82	1.28	1.78	0.74		1.36	0.70	
2855	0.71	0.43	0.44	1.53	0.75	1.03	0.40	0.40	2.32	1.26	2.34	6.67	4.28	4.47	2.83	t
4953	1.06	0.69	0.74	3.13	1.69	1.06	0.58	0.61	3.11	1.78	0.12	0.30		0.33	0.67	
2858	1.12	0.72	0.75	2.23	1.40	1.11	0.66	0.68	2.32	1.37	3.96	9.10	6.52	3.18	4.31	t
4954	0.77	0.58	0.62	2.47	0.94	0.75	0.56	0.60	2.63	0.89	2.96	2.33	2.11	2.22	0.98	
2859	0.57	0.55	0.64	1.41	0.76	0.62	0.50	0.56	1.71	0.87	4.55	0.65	3.69	4.32	0.73	

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	''	[mas/yr]		[mas/yr]		
4955	52576	FX		10	45	3.969567	-	29	41	0.43199	-	47.90	+	18.15
2860	52689	BX	52 Leo	10	46	25.277581	+	14	11	40.71771	-	125.07	-	65.36
4956	52707	FX		10	46	36.644329	+	11	11	2.84006	-	31.77	-	137.21
2861	52730	BX		10	46	48.076812	-	69	12	35.23212	-	7.67	+	2.64
2862	52827	RS		10	48	5.407300	-	59	55	8.98559	-	7.38	+	2.71
2863	52959	BX	44 LMi	10	49	53.726997	+	27	58	26.20920	-	9.97	+	30.79
4957	53021	FX		10	50	53.129179	+	5	35	8.86929	-	27.70	-	11.19
4958	53022	FX		10	50	54.321452	-	14	53	28.87480	-	123.31	+	22.05
2864	53062	RS		10	51	22.984126	+	75	59	41.20066	-	66.17	-	37.20
2865	53064	BX	42 UMa	10	51	23.722702	+	59	19	12.43109	-	30.51	-	50.99
2868	53154	BX		10	52	30.845515	-	57	14	25.45659	-	6.64	+	4.02
2867	53196	RS		10	52	48.944293	-	6	49	19.17323	-	209.91	-	188.77
2866	53257	BX		10	53	30.706603	+	69	51	13.97310	-	397.53	-	67.33
2869	53261	RS	44 UMa	10	53	34.451334	+	54	35	6.46372	-	67.03	-	9.66
4959	53262	FX		10	53	34.844746	+	26	12	27.95809	-	13.04	-	19.39
4960	53269	FX		10	53	41.033685	-	51	29	57.16289	-	27.45	-	0.96
4961	53271	FX		10	53	41.660490	-	4	18	14.94879	-	29.65	-	17.07
4963	53304	FX		10	54	8.122861	+	54	48	3.09737	-	16.17	-	46.02
2871	53316	BX		10	54	17.777044	-	13	45	28.93217	-	6.40	+	9.08
4964	53382	FX		10	55	2.727979	+	62	56	58.62986	+	18.91	-	9.04
2872	53387	BX		10	55	11.572139	-	20	39	53.86799	-	11.46	+	3.72
2873	53472	BX		10	56	16.852447	+	22	21	6.06374	-	36.75	+	8.97
2874	53530	RS		10	57	7.847354	-	50	45	54.06303	-	37.47	+	12.98
4965	53532	FX		10	57	7.944334	-	0	18	43.07515	-	107.62	-	31.11
2875	53546	RS		10	57	15.780171	-	75	5	59.14282	-	11.29	+	3.78
4966	53565	FX		10	57	27.974242	+	37	38	54.43259	-	22.01	-	7.50
4968	53613	FX		10	58	6.516297	-	35	33	51.72300	+	0.59	-	2.66
4969	53654	FX		10	58	37.515477	+	19	37	19.37561	+	19.14	-	16.11
4970	53675	FX		10	58	56.717849	-	19	36	17.25870	+	41.51	-	71.76
2876	53706	BX		10	59	17.874812	+	51	52	56.49335	-	17.81	-	3.65
2877	53737	BX		10	59	41.088847	+	11	42	21.11789	-	228.66	+	44.54
2878	53781	RS		11	0	14.705061	+	45	31	34.59515	+	10.66	+	2.98
4971	53847	FX		11	0	55.325342	+	69	35	2.19696	-	17.59	-	51.06
2879	53907	RS	61 Leo	11	1	49.674882	-	2	29	4.50816	+	10.26	-	36.42
4972	53951	FX		11	2	17.630875	+	58	39	59.05514	-	33.97	-	22.88
2880	53954	RS	60 Leo	11	2	19.775914	+	20	10	47.43140	-	8.46	+	39.63
4973	53975	FX		11	2	31.247681	-	9	59	41.45796	-	30.48	-	5.37
4974	53979	FX		11	2	33.753791	+	75	54	9.50963	-	10.14	-	5.19
4975	54019	FX		11	3	5.041274	-	25	34	30.13280	-	54.41	+	17.29
2881	54030	BX		11	3	16.056214	-	31	57	39.05775	-	42.19	-	26.37
4977	54089	FX		11	4	5.074972	+	16	15	23.93775	-	0.57	-	2.74
2884	54137	RS		11	4	31.201183	-	47	40	44.77453	-	115.44	+	32.51
4978	54192	FX		11	5	12.338770	-	30	26	8.35007	-	31.94	+	7.07
4979	54211	FX		11	5	28.577759	+	43	31	36.38798	-	4409.85	+	941.63
4980	54276	FX		11	6	11.609271	-	68	46	55.01371	-	9.38	-	1.62
2887	54319	BX		11	6	44.028886	+	17	44	14.51128	+	25.82	-	25.38
4983	54369	FX		11	7	25.960599	+	34	50	34.74303	+	4.07	+	4.77
4984	54391	FX		11	7	45.475061	-	84	26	12.75974	-	24.18	+	17.60
4985	54417	FX		11	8	6.217250	+	9	1	25.18012	+	7.05	-	6.22
4986	54425	FX		11	8	13.707225	+	3	32	0.11988	-	14.60	-	3.28

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
4955	91.18	0.52	0.56	91.33	0.54	0.67	1.64	0.91	H		7.67		11	1	3
2860	91.71	0.82	0.59	91.60	0.48	0.47	11.34	0.86	H	+ 33.5	5.49		19	1	1
4956	91.13	1.03	0.64	91.24	0.63	0.52	3.89	1.09	H		8.77		31		
2861	91.11	0.44	0.50	91.31	0.40	0.41	2.11	0.49	H		6.34		31		
2862	91.19	0.45	0.56	91.45	0.43	0.48	.35	0.08	P	- 20.5	5.98	2	15	1	3
2863	91.53	0.64	0.44	91.40	0.46	0.41	12.81	0.75	H	+ 2.9	6.05		19	1	1
4957	91.10	0.95	0.80	91.12	0.59	0.58	4.42	1.02	H		8.24		21	2	
4958	91.30	0.70	0.65	91.59	0.47	0.60	11.78	0.83	H		7.47		31		
2864	91.28	0.51	0.49	91.29	0.46	0.47	12.12	0.61	H		7.17		11	1	3
2865	91.10	0.34	0.31	91.33	0.41	0.40	12.39	0.66	H	- 18.3	5.57		23	2	
2868	91.15	0.41	0.43	91.33	0.42	0.40	.30	0.04	P	- 23.6	5.26	2	35		
2867	91.21	0.81	0.81	91.56	0.48	0.64	22.81	0.95	H		7.18		11	1	3
2866	91.29	0.46	0.43	91.45	0.45	0.41	23.02	0.63	H	+ 14.9	5.91		19	1	1
2869	91.07	0.43	0.46	91.09	0.40	0.41	4.82	0.62	H	+ .3	5.12		11	1	3
4959	91.52	0.73	0.71	91.36	0.56	0.56	3.51	0.85	H	- 0.5	7.04	2	31		
4960	91.04	0.46	0.44	91.22	0.49	0.44	4.32	0.69	H		7.31		31		
4961	91.58	0.97	0.84	91.58	0.60	0.79	5.10	1.24	H		8.85		21	2	
4963	91.04	0.59	0.63	91.02	0.58	0.58	1.46	0.92	H		7.75		11	1	3
2871	91.36	0.66	0.46	91.54	0.47	0.48	7.97	0.83	H	+ 5.4	5.65		11	1	3
4964	91.40	0.61	0.58	91.37	0.67	0.63	1.37	0.97	H		8.45	1	11	1	3
2872	91.18	0.63	0.54	91.52	0.40	0.54	5.12	0.77	H	- 11.3	6.45		11	1	3
2873	91.45	0.70	0.55	91.39	0.49	0.51	5.12	0.82	H	+ 25.2	6.17	1	25	2	
2874	91.16	0.38	0.39	91.28	0.44	0.44	10.30	0.58	H	+ 17.0	5.90	1	11	1	3
4965	91.33	0.66	0.54	91.16	0.49	0.48	16.17	0.76	H	+ 3.	6.88		11	1	3
2875	91.28	0.47	0.51	91.30	0.46	0.49	1.39	0.53	H	+ 7.8	6.16		15	1	3
4966	91.14	0.86	0.69	91.19	0.76	0.68	3.34	1.22	H		9.11		11	1	3
4968	90.98	0.75	0.86	91.32	0.59	0.69	4.12	1.02	H		8.71		11	1	3
4969	91.32	0.81	0.57	91.48	0.51	0.51	4.41	0.92	H		6.80		21	2	
4970	91.36	0.70	0.56	91.49	0.49	0.48	6.72	0.81	H		6.84		11	1	3
2876	91.10	0.54	0.56	91.04	0.45	0.46	4.79	0.70	H	- 6.6	6.22		11	1	3
2877	91.19	0.80	0.47	91.55	0.46	0.44	22.34	0.89	H	+ 20.0	6.53		11	1	3
2878	91.33	0.65	0.56	91.42	0.47	0.49	3.70	0.78	H	+ 9.0	5.47		11	1	3
4971	91.25	0.68	0.63	91.40	0.66	0.59	1.89	0.91	H		8.31		11	1	3
2879	91.38	0.72	0.52	91.13	0.50	0.54	6.34	0.78	H	- 13.2	4.73	1	19	1	1
4972	91.11	0.36	0.33	91.26	0.43	0.38	4.62	0.68	H	- 8.6	6.63	1	11	1	3
2880	91.23	0.77	0.61	91.35	0.54	0.51	26.37	0.86	H	- 10.1	4.42		38		
4973	91.42	0.80	0.82	91.45	0.65	0.70	2.62	1.01	H		7.32	1	25	2	
4974	91.19	0.73	0.71	91.48	0.68	0.62	2.72	0.90	H		8.73		31		
4975	91.16	0.49	0.45	91.36	0.56	0.52	5.42	0.76	H	+ 16.	6.72		11	1	3
2881	91.19	0.53	0.55	91.56	0.48	0.59	4.33	0.84	H	+ 79.6	6.44	1	11	1	3
4977	91.63	1.14	0.81	91.43	0.62	0.67	3.07	1.14	H		8.83		11	1	3
2884	91.29	0.35	0.35	91.34	0.42	0.41	11.69	0.60	H	- 16.	5.67		11	1	3
4978	91.12	0.64	0.63	91.53	0.53	0.59	4.24	0.95	H		7.49		11	1	3
4979	91.08	0.80	0.61	91.41	0.79	0.61	206.94	1.19	H	+ 68.8	8.82		15	1	3
4980	91.15	0.53	0.55	91.27	0.52	0.61	.79	0.64	H	- 1.8	7.30	1	31		
2887	91.33	0.74	0.43	91.52	0.52	0.44	4.24	0.85	H		6.40	1	11	1	3
4983	91.56	1.02	0.74	91.21	0.88	0.73	7.33	1.25	H		9.30		11	1	3
4984	91.35	0.63	0.77	91.27	0.55	0.58	4.46	0.68	H		7.89		11	1	3
4985	91.05	0.97	0.75	91.10	0.73	0.63	12.93	1.19	H		8.05		11	1	3
4986	91.13	0.80	0.60	91.24	0.71	0.63	2.47	0.93	H	+ 2.9	7.81		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
4955	+ 0.14	+ 0.00	- 0.02	+ 1.36	+ 0.43	+ 0.24	- 0.05	- 0.25	- 1.83	+ 2.18
2860	+ 0.19	- 0.19	- 0.26	+ 1.35	- 0.27	- 0.42	+ 0.37	+ 0.44	- 0.21	- 0.63
4956	+ 0.30	- 0.85	- 2.00	+ 1.97	+ 0.51	- 0.91	+ 0.64	+ 1.05	- 2.11	- 1.46
2861	+ 0.57	- 0.04	- 0.20	+ 6.17	+ 1.87	- 0.80	+ 0.04	+ 0.19	- 0.46	- 4.88
2862	+ 0.09	+ 0.00	- 0.20	+ 3.94	+ 2.42	- 0.02	+ 0.00	+ 0.00	+ 4.24	- 2.90
2863	+ 0.09	- 0.48	- 0.57	- 0.89	+ 0.72	- 0.46	+ 0.37	+ 0.43	- 0.63	- 0.51
4957	+ 1.13	- 1.51	- 3.68	+ 4.34	+ 2.57	- 0.18	+ 0.12	+ 0.27	- 3.36	- 0.05
4958	- 1.90	+ 0.28	+ 0.51	- 9.79	- 0.41	- 0.72	+ 0.08	+ 0.11	- 3.01	- 0.60
2864	+ 0.02	- 0.02	- 0.03	- 0.36	+ 0.21	- 0.41	+ 0.05	+ 0.07	- 0.30	- 0.78
2865	- 2.61	+ 0.72	+ 0.78	- 5.73	- 1.86	+ 2.54	- 0.14	- 0.21	+ 3.17	+ 3.07
2868	+ 0.04	- 0.01	- 0.13	+ 0.72	+ 0.42	+ 0.17	- 0.05	- 0.39	- 1.53	+ 2.68
2867	- 0.28	+ 0.28	+ 0.37	+ 1.95	- 0.98	- 0.09	+ 0.02	+ 0.03	+ 0.02	- 0.18
2866	- 0.07	+ 0.02	+ 0.03	- 0.92	+ 0.30	+ 0.81	- 0.14	- 0.17	+ 0.27	+ 1.23
2869	- 0.27	+ 0.11	+ 0.18	+ 2.07	- 1.20	+ 0.49	- 0.10	- 0.17	- 3.43	+ 2.25
4959	- 0.45	+ 0.35	+ 0.87	- 2.13	- 1.01	- 1.18	+ 0.36	+ 0.80	-11.13	- 1.76
4960	+ 1.02	- 0.18	- 0.32	+ 4.62	+ 1.08	- 1.52	+ 0.32	+ 0.56	- 0.79	- 3.08
4961	- 0.02	- 0.19	- 0.70	+ 6.09	- 0.97	+ 1.50	- 0.94	- 2.16	+ 1.68	+ 3.90
4963	+ 0.11	- 0.02	- 0.08	+ 4.37	+ 0.06	+ 0.24	- 0.04	- 0.19	+ 6.01	+ 0.59
2871	- 0.11	+ 0.06	+ 0.05	+ 0.68	- 0.46	- 0.46	+ 0.35	+ 0.45	- 0.74	- 0.55
4964	+ 0.32	- 0.15	- 0.55	- 0.10	+ 1.34	- 0.05	+ 0.02	+ 0.10	- 0.52	- 0.24
2872	- 0.14	+ 0.03	+ 0.05	+ 0.55	- 0.49	- 0.35	+ 0.05	+ 0.11	- 1.46	- 0.50
2873	+ 0.02	+ 0.26	+ 0.48	+ 1.53	- 0.34	+ 1.15	- 0.46	- 0.77	+ 7.56	- 0.49
2874	+ 0.73	- 0.05	- 0.08	+ 2.26	+ 1.09	+ 0.41	- 0.03	- 0.06	+ 2.01	+ 0.52
4965	- 0.27	+ 0.33	+ 0.40	+ 0.64	- 0.57	- 0.42	+ 0.21	+ 0.25	- 0.55	- 0.49
2875	- 0.20	+ 0.03	+ 0.15	- 2.21	- 1.06	- 0.26	+ 0.03	+ 0.16	- 1.18	- 1.79
4966	- 0.20	+ 0.28	+ 0.75	- 0.80	- 0.49	+ 0.04	- 0.14	- 0.42	- 1.76	+ 0.59
4968	- 0.05	- 0.07	- 0.27	+ 3.02	- 1.29	- 1.11	+ 0.19	+ 0.62	- 5.80	- 2.92
4969	- 0.92	+ 1.44	+ 2.53	- 5.12	- 1.39	+ 1.17	- 0.75	- 1.24	+ 1.93	+ 1.95
4970	- 0.51	+ 0.23	+ 0.35	- 2.56	- 0.51	- 0.14	+ 0.06	+ 0.08	+ 3.64	- 0.60
2876	+ 0.31	- 0.12	- 0.21	+ 3.55	- 0.20	+ 0.74	- 0.10	- 0.20	- 1.22	+ 2.08
2877	- 0.01	+ 0.20	+ 0.23	+ 0.58	- 0.28	- 0.53	+ 0.58	+ 0.65	- 0.51	- 0.63
2878	+ 0.43	- 0.57	- 1.00	- 0.78	+ 1.48	+ 0.27	+ 0.03	+ 0.05	- 1.83	+ 1.05
4971	+ 0.19	- 0.11	- 0.35	+ 2.57	+ 0.35	- 0.04	+ 0.02	+ 0.05	+ 0.48	- 0.20
2879	+ 0.26	- 0.46	- 0.68	+ 1.15	+ 0.07	- 0.55	+ 0.20	+ 0.31	- 2.99	+ 0.03
4972	+ 0.41	- 0.10	- 0.14	+ 1.94	+ 0.43	+ 0.18	- 0.05	- 0.08	+ 0.52	+ 0.27
2880	+ 1.03	- 0.93	- 1.14	+ 3.22	+ 0.21	+ 0.43	- 0.06	- 0.06	+ 2.79	- 0.89
4973	+ 0.67	- 0.50	- 1.77	+ 5.06	+ 1.72	+ 0.86	- 0.40	- 1.24	+ 9.03	+ 0.94
4974	+ 0.36	- 0.19	- 0.56	+ 3.53	+ 0.70	- 0.21	+ 0.03	+ 0.07	- 8.44	+ 0.54
4975	- 0.04	+ 0.03	+ 0.06	- 0.18	- 0.05	+ 0.24	- 0.06	- 0.11	+ 4.14	- 0.59
2881	- 0.37	+ 0.08	+ 0.17	+ 0.28	- 1.11	- 0.21	+ 0.03	+ 0.08	- 3.94	+ 0.59
4977	- 0.21	+ 0.29	+ 0.89	- 1.07	- 0.60	- 0.30	+ 0.15	+ 0.38	- 0.04	- 0.95
2884	+ 0.55	- 0.02	- 0.03	+ 1.18	+ 0.60	- 1.31	+ 0.17	+ 0.23	- 3.54	- 1.33
4978	+ 0.26	- 0.16	- 0.34	+ 1.25	+ 0.43	- 0.51	+ 0.21	+ 0.42	+ 2.29	- 1.65
4979	- 0.14	+ 0.03	+ 0.02	+ 2.48	- 0.58	- 0.64	+ 0.58	+ 0.67	- 3.02	- 0.43
4980	+ 0.20	- 0.02	- 0.25	+ 3.16	+ 1.69	- 0.03	+ 0.00	+ 0.00	+ 1.97	- 0.90
2887	+ 0.04	- 0.13	- 0.20	- 0.06	+ 0.12	+ 0.11	- 0.13	- 0.18	+ 0.08	+ 0.20
4983	- 0.31	+ 0.56	+ 1.00	- 1.41	- 0.46	- 0.31	+ 0.29	+ 0.47	- 4.57	- 0.01
4984	- 0.06	+ 0.01	+ 0.04	- 2.50	+ 0.32	+ 0.60	- 0.06	- 0.19	- 1.33	+ 2.95
4985	+ 0.13	- 0.28	- 0.43	- 0.41	+ 0.36	- 0.43	+ 0.34	+ 0.46	+ 0.74	- 0.79
4986	+ 0.07	- 0.14	- 0.36	+ 0.10	+ 0.21	- 0.07	+ 0.08	+ 0.21	- 4.11	+ 0.56

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
4955	0.86	0.57	0.60	3.04	1.91	0.90	0.69	0.75	3.11	1.75	0.66	1.30	0.36	1.15	0.60	
2860	0.71	0.97	1.08	1.34	0.82	0.67	0.63	0.66	1.32	0.79	1.06	1.05	0.60	1.07	0.15	t
4956	0.69	0.97	1.29	2.11	0.79	0.71	0.62	0.68	2.32	0.86	2.86	2.08		0.70	0.66	t
2861	0.94	0.51	0.52	3.53	2.32	0.89	0.41	0.42	3.42	2.04	1.80	2.59	1.30	1.51	0.27	
2862	0.66	0.56	0.58	4.97	2.26	0.60	0.48	0.49	4.91	2.96	1.19	1.49	0.81	1.28	0.44	t
2863	0.57	0.73	0.77	0.97	0.65	0.66	0.51	0.53	1.32	0.75	0.80	1.57	0.95	1.37	0.65	t
4957	0.93	1.00	1.22	2.88	1.15	0.85	0.65	0.71	3.42	1.07	3.74	2.77		1.09	2.79	
4958	1.36	0.68	0.70	3.07	2.08	1.24	0.64	0.66	3.22	1.68	0.58	3.41		2.61	1.04	
2864	0.88	0.56	0.58	1.70	1.09	1.28	0.48	0.49	3.23	1.78	0.22	0.50	1.44	0.31	0.92	
2865	0.64	0.36	0.37	1.27	0.70	0.89	0.44	0.45	1.74	1.13	5.33	4.44	4.92	2.67	2.27	t
2868	0.52	0.44	0.48	1.90	1.21	0.49	0.41	0.45	1.83	1.07	0.74	2.68	0.93	1.99	1.10	t
2867	1.19	1.00	1.07	3.00	1.34	1.39	0.68	0.70	3.51	1.76	0.50	0.79	0.95	0.89	0.67	
2866	0.85	0.49	0.50	1.60	0.99	1.01	0.43	0.44	2.14	1.22	0.60	1.11	1.17	0.76	1.03	t
2869	0.85	0.50	0.52	2.19	1.14	0.92	0.43	0.44	2.42	1.33	1.56	2.01	0.77	2.44	1.60	t
4959	0.90	0.80	0.92	3.39	1.17	0.90	0.59	0.63	3.81	1.24	3.20	2.21	2.82	2.36	1.14	
4960	0.86	0.46	0.48	2.38	1.20	0.84	0.47	0.49	2.44	1.15	2.10	3.12	1.84	1.58	0.48	
4961	0.93	1.12	1.44	2.73	1.12	1.05	0.89	1.01	2.92	1.43	3.49	2.49		2.49	1.54	
4963	0.82	0.66	0.74	4.09	1.32	0.82	0.59	0.64	4.42	1.47	0.50	1.76		1.53	0.18	
2871	0.61	0.67	0.72	1.20	0.72	0.69	0.62	0.66	1.62	0.79	0.79	1.16	1.47	0.82	0.52	
4964	0.74	0.62	0.70	3.54	1.10	0.82	0.64	0.71	4.03	1.40	0.20	1.46	1.64	0.39	0.98	
2872	0.94	0.58	0.61	2.41	1.30	1.05	0.57	0.59	2.91	1.59	0.56	0.53	1.41	0.48	0.69	
2873	0.71	0.76	0.86	1.96	0.78	0.84	0.58	0.62	1.81	1.15	4.40	0.72	0.92	3.86	0.94	t
2874	1.30	0.40	0.40	3.90	1.83	1.34	0.44	0.45	4.31	1.89	0.76	0.69	0.03	0.42	0.68	t
4965	0.72	0.77	0.81	1.72	0.81	0.80	0.57	0.59	2.12	0.89	0.38	1.11	0.83	0.64	0.75	
2875	0.82	0.52	0.54	3.61	1.91	0.81	0.49	0.51	3.92	1.88	0.73	1.17	0.56	0.31	0.47	t
4966	0.82	0.86	1.07	2.66	1.02	0.87	0.79	0.94	2.62	1.17	0.98	0.75		0.83	1.11	
4968	1.21	0.89	0.98	3.33	2.17	1.16	0.71	0.75	3.62	2.11	1.66	1.96		1.28	0.67	
4969	0.68	0.77	0.89	2.87	0.76	0.75	0.59	0.63	3.21	0.88	2.72	4.36	4.29	1.26	1.94	
4970	0.87	0.64	0.68	2.72	1.06	0.76	0.57	0.60	2.72	0.87	1.64	0.95	0.16	1.64	0.80	
2876	0.86	0.63	0.68	2.33	1.12	0.98	0.47	0.49	3.02	1.42	1.58	1.52	0.56	1.76	0.53	
2877	0.58	0.93	0.99	1.07	0.61	0.63	0.61	0.63	1.32	0.68	0.83	1.45	1.02	0.70	0.41	t
2878	0.68	0.72	0.83	1.41	0.89	0.91	0.51	0.54	2.81	1.34	0.67	2.20	0.52	1.64	1.19	
4971	0.79	0.69	0.80	3.17	1.10	0.80	0.63	0.70	3.35	1.19	0.55	0.90		0.69	0.32	
2879	0.63	0.78	0.88	1.25	0.76	0.89	0.60	0.63	1.91	1.20	2.03	0.68	2.46	1.53	1.74	t
4972	0.70	0.36	0.37	2.50	0.84	0.83	0.40	0.41	3.13	1.06	0.85	0.68	0.25	0.58	0.82	
2880	0.89	0.85	0.89	1.58	1.00	0.88	0.61	0.63	1.51	1.08	3.01	1.18	1.80	2.55	1.61	t
4973	0.97	0.90	1.08	2.84	1.41	0.91	0.75	0.84	2.72	1.39	4.25	2.37	2.28	2.85	2.00	t
4974	0.90	0.78	0.90	3.37	1.26	0.89	0.66	0.72	3.55	1.31	0.86	2.64		2.50	0.22	
4975	0.96	0.48	0.50	2.35	1.40	0.97	0.56	0.59	2.62	1.37	1.59	0.34	0.37	1.60	0.18	
2881	0.99	0.57	0.60	2.94	1.47	1.00	0.62	0.66	2.81	1.51	1.39	0.86	1.67	1.48	0.55	
4977	0.91	0.98	1.25	2.91	1.16	0.90	0.73	0.81	2.92	1.28	1.24	0.63		0.32	2.04	
2884	1.10	0.37	0.37	2.44	1.46	1.08	0.43	0.44	2.62	1.37	1.51	1.17	1.23	0.78	0.91	
4978	0.89	0.71	0.78	2.89	1.17	0.92	0.64	0.69	3.01	1.24	0.81	1.54	1.45	1.24	0.88	
4979	0.83	0.89	0.93	2.33	0.88	0.87	0.84	0.87	2.62	0.92	1.64	1.04	0.38	1.54	1.31	t
4980	0.74	0.56	0.59	3.56	1.84	0.77	0.62	0.66	3.55	1.84	1.09	1.12	1.21	0.81	2.98	
2887	0.50	0.74	0.86	1.04	0.57	0.57	0.61	0.67	1.12	0.71	0.23	0.52	1.48	0.18	1.26	
4983	0.85	1.07	1.28	2.88	0.96	0.90	0.96	1.10	3.02	1.05	0.99	1.76		1.46	0.72	
4984	1.23	0.79	0.84	4.48	2.15	1.20	0.59	0.61	4.56	2.27	0.61	1.34	0.32	1.01	0.29	
4985	0.91	1.07	1.20	2.26	1.06	0.92	0.78	0.83	2.82	1.05	1.04	0.10		0.60	0.57	
4986	0.68	0.77	0.98	2.01	0.83	0.78	0.72	0.84	2.42	1.06	0.54	1.69		1.77	0.61	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
2888	54442	BX		11 8 21.819720	+ 71 57 32.33334	- 25.29	- 18.45
2891	54461	RS		11 8 33.998322	- 61 56 49.82895	- 5.89	+ 2.05
2890	54504	RS		11 9 2.557588	+ 30 2 25.60179	- 20.05	- 16.12
2892	54522	RS		11 9 19.080093	+ 36 18 33.76254	- 44.01	- 23.01
4987	54598	FX		11 10 27.383299	+ 47 47 52.83854	- 42.27	+ 51.08
4989	54752	FX		11 12 36.349536	- 35 24 9.74125	+ 15.77	- 9.87
2894	54811	RS		11 13 14.685544	- 44 22 19.98072	- 5.23	+ 1.62
4990	54889	FX		11 14 20.142580	+ 0 53 12.24328	- 26.58	- 8.43
2898	54960	BX		11 15 17.587515	- 19 38 15.14224	- 53.14	+ 8.19
4991	55038	FX		11 16 0.160617	- 47 18 20.82262	+ 0.86	- 35.75
2896	55048	RS		11 16 8.919824	+ 78 18 32.23920	- 66.54	- 12.29
2899	55060	RS		11 16 18.992545	+ 59 56 35.51937	- 23.33	+ 6.73
4992	55082	FX		11 16 38.618930	+ 79 32 10.36239	- 11.62	- 9.38
2901	55100	RS		11 16 53.110909	- 38 23 55.46283	- 17.71	+ 26.47
4993	55209	FX		11 18 21.042602	+ 11 59 4.24564	+ 11.51	- 45.17
4994	55210	FX		11 18 22.011728	- 5 4 2.29179	+ 795.34	- 151.07
4995	55255	FX		11 19 0.749935	- 25 13 34.52858	- 67.27	+ 4.41
4996	55324	FX		11 19 44.511351	+ 3 37 15.57747	- 4.61	- 25.65
2905	55412	BX		11 20 53.776953	+ 67 6 2.64526	+ 45.60	- 49.77
2906	55418	RS		11 20 56.756058	+ 51 45 40.28879	- 166.17	- 104.99
4997	55440	FX		11 21 11.413104	+ 27 29 24.95194	+ 1.68	+ 1.02
4998	55444	FX		11 21 16.914931	- 29 58 53.62053	+ 6.62	- 14.51
2907	55485	BX		11 21 49.288644	+ 57 4 29.48760	- 58.45	+ 5.98
4999	55538	FX		11 22 31.774993	- 56 46 50.27452	- 13.80	+ 4.17
2908	55560	BX	56 UMa	11 22 49.584300	+ 43 28 57.73074	- 36.69	- 13.85
5001	55577	FX		11 23 5.227671	- 16 36 17.37237	- 27.30	+ 5.88
5002	55589	FX		11 23 15.151116	+ 6 35 8.94579	- 8.15	- 12.71
5003	55613	FX		11 23 37.258370	+ 38 41 37.33732	- 30.84	- 3.96
5004	55627	FX		11 23 46.466562	+ 34 14 33.80224	+ 15.99	- 14.17
2911	55657	BX		11 24 11.127364	- 72 15 23.78930	- 25.96	- 2.56
2912	55716	BX		11 24 58.925716	+ 11 25 49.05865	- 102.61	- 6.46
5005	55744	FX		11 25 17.318526	+ 49 22 31.24934	- 33.67	- 40.78
5008	55830	FX		11 26 34.023767	- 21 21 23.40804	- 36.57	+ 0.49
5009	55868	FX		11 27 3.224914	+ 21 51 8.18592	- 48.01	- 174.57
5010	55937	FX		11 27 50.496848	- 15 51 36.07299	- 22.47	- 1.82
2915	56035	RS		11 29 4.562855	+ 61 46 42.12315	- 114.06	+ 239.44
5011	56056	FX		11 29 19.894003	- 0 20 33.94444	+ 0.96	- 8.13
5012	56077	FX		11 29 37.721954	- 10 3 45.58326	- 51.59	- 13.50
5013	56101	FX		11 29 58.487528	+ 16 59 7.04534	- 9.16	- 0.51
2917	56127	BX	87 Leo	11 30 18.893615	- 3 0 12.59873	+ 20.21	- 16.77
2918	56146	RS	86 Leo	11 30 29.029553	+ 18 24 35.26740	- 83.59	+ 23.87
5014	56160	FX		11 30 43.914975	- 39 14 7.75279	+ 2.28	+ 4.46
2919	56245	RS		11 31 47.549892	- 20 46 35.29165	- 120.71	+ 40.08
2920	56250	BX	α^2 Cen	11 31 48.800029	- 59 30 56.32614	- 6.41	+ 1.30
3956	56253	BX		11 31 50.531690	+ 81 7 38.12522	- 144.70	+ 34.15
5015	56255	FX		11 31 51.641850	+ 24 18 41.19133	- 44.37	- 2.31
5016	56306	FX		11 32 35.223883	+ 41 46 30.97361	+ 1.22	- 11.13
5017	56311	FX		11 32 40.920406	+ 84 0 13.87492	+ 0.50	+ 7.98
2921	56318	RS		11 32 47.536774	- 7 49 39.08589	- 7.40	+ 0.22
2922	56319	RS		11 32 48.081931	- 40 26 10.29801	- 74.61	+ 58.51

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
2888	91.34	0.50	0.39	91.28	0.46	0.41	6.81	0.62	H		7.06		11	1	3
2891	91.08	0.44	0.48	91.30	0.45	0.43	.40	0.06	P	- 22.4	5.11	2	11	1	3
2890	91.54	0.74	0.76	91.24	0.55	0.57	6.12	0.80	H		7.10		21	2	
2892	90.97	0.49	0.46	91.25	0.50	0.52	8.61	0.75	H	+ 22.2	5.71	2	13		
4987	91.24	0.64	0.54	91.02	0.54	0.53	12.83	0.74	H		7.25		11	1	3
4989	91.21	0.60	0.62	91.67	0.47	0.54	8.51	0.90	H		7.73		11	1	3
2894	91.02	0.43	0.45	91.26	0.41	0.45	3.88	0.70	H	+ 0.8	5.77	1	19	1	1
4990	91.13	1.04	0.71	91.22	0.74	0.69	1.54	1.29	H		8.16	2	33		
2898	91.08	0.68	0.49	91.29	0.61	0.52	10.90	0.88	H	- 2.9	6.89		11	1	3
4991	91.24	0.42	0.46	91.26	0.49	0.51	6.02	0.77	H		7.28		11	1	3
2896	91.15	0.50	0.52	91.25	0.48	0.48	5.13	0.59	H		6.89		31		
2899	91.33	0.44	0.45	91.46	0.45	0.44	10.88	0.72	H	- 1.2	6.91		21	2	
4992	91.13	0.57	0.55	91.34	0.59	0.55	1.78	0.69	H		8.03		31		
2901	91.14	0.65	0.65	91.65	0.49	0.62	8.25	0.92	H		6.88	1	11	1	3
4993	91.35	0.87	0.59	91.09	0.56	0.54	5.74	0.87	H	- 35.9	6.66		11	1	3
4994	91.55	0.84	0.71	91.33	0.60	0.54	45.48	1.00	H	+ 13.0	7.29		11	1	3
4995	91.00	0.70	0.68	91.16	0.75	0.75	5.50	1.02	H		8.62		11	1	3
4996	91.26	0.99	0.65	91.59	0.83	0.60	7.76	1.25	H		8.41		31		
2905	91.41	0.45	0.44	91.34	0.46	0.48	7.42	0.60	H	- 56.2	6.20		21	2	
2906	91.32	0.53	0.52	91.63	0.45	0.42	14.55	0.79	H	+ 2.6	7.32		21	2	
4997	91.43	1.04	0.83	91.16	0.93	0.79	1.61	1.37	H		9.27		31		
4998	91.13	0.89	1.01	91.45	0.82	0.74	2.28	0.53	P		9.09		35		
2907	91.09	0.35	0.33	91.41	0.39	0.38	12.79	0.64	H	- 10.	6.43		18		
4999	91.22	0.65	0.83	91.30	0.70	0.77	2.30	0.93	H		8.14		11	1	3
2908	91.03	0.48	0.37	91.13	0.45	0.42	6.63	0.63	H	+ 1.6	4.99		31		
5001	91.20	0.92	0.81	91.20	0.76	0.71	3.82	1.07	H	+ 8.	8.07		11	1	3
5002	91.35	0.78	0.56	91.34	0.58	0.58	5.75	1.00	H		6.90		11	1	3
5003	91.15	0.80	0.74	91.60	0.88	0.82	5.57	1.26	H		8.87		11	1	3
5004	91.57	1.02	0.93	91.45	0.79	0.79	1.50	0.21	P	- 51.4	9.26		21	2	
2911	91.22	0.38	0.37	91.22	0.42	0.43	3.69	0.48	H	+ 2.	5.55		18		
2912	90.88	0.80	0.56	90.87	0.56	0.50	6.97	0.85	H	+ 38.0	5.80		19	1	1
5005	91.59	0.66	0.54	91.77	0.54	0.48	8.80	1.00	H		8.21		11	1	3
5008	91.03	0.51	0.47	91.27	0.47	0.40	5.11	0.72	H		6.88		11	1	3
5009	91.15	1.05	0.77	90.98	0.80	0.70	30.76	1.13	H		7.59		21	2	
5010	91.44	1.10	0.97	91.61	0.88	0.77	5.38	1.33	H		8.94		11	1	3
2915	91.33	0.43	0.44	91.13	0.42	0.43	30.40	0.60	H	- 7.3	5.83		19	1	1
5011	91.58	0.92	0.65	91.33	0.66	0.62	2.62	1.12	H		7.87		11	1	3
5012	91.30	0.75	0.67	91.26	0.65	0.68	8.69	0.94	H		7.26		11	1	3
5013	91.15	0.87	0.72	90.99	0.84	0.74	.95	1.08	H		8.80		13		
2917	91.34	0.82	0.42	91.45	0.58	0.42	5.40	0.99	H	+ 18.8	4.77	1	19	1	1
2918	91.42	0.81	0.57	90.95	0.59	0.54	10.03	0.89	H	+ 26.2	5.54		29	2	
5014	91.08	0.72	0.65	91.35	0.59	0.54	3.26	0.93	H		7.23		13		
2919	91.08	0.55	0.56	91.25	0.51	0.53	25.30	0.76	H	+ 10.5	6.24		21	2	
2920	91.06	0.42	0.45	91.16	0.44	0.46	.60	0.14	P	- 16.8	5.12	1	31		
3956	91.22	0.44	0.37	91.25	0.42	0.38	16.72	0.51	H	+ 3.2	6.12		31		
5015	91.23	1.06	0.89	91.22	0.63	0.65	2.67	0.91	H	+ 23.4	7.14		11	1	3
5016	91.00	0.81	0.70	91.16	0.93	0.71	2.73	1.27	H		8.73		11	1	3
5017	91.13	0.80	0.71	91.21	0.75	0.69	4.54	0.94	H		9.47		31		
2921	91.25	0.72	0.57	91.29	0.70	0.59	5.67	0.99	H	- 1.3	5.94		19	1	1
2922	90.65	0.40	0.46	91.28	0.52	0.43	5.99	0.70	H	+ 2.9	5.64	1	33		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
2888	- 0.35	+ 0.35	+ 0.44	- 1.54	- 0.11	+ 0.52	- 0.24	- 0.32	+ 0.63	+ 0.73
2891	- 0.03	+ 0.01	+ 0.07	- 0.63	- 0.24	+ 0.02	+ 0.00	- 0.02	+ 0.52	+ 0.12
2890	+ 0.53	- 0.60	- 1.21	+ 2.81	+ 0.82	+ 2.28	- 0.55	- 1.05	+ 3.18	+ 4.95
2892	- 0.20	+ 0.00	- 0.01	- 2.45	+ 0.54	- 0.65	+ 0.13	+ 0.20	- 2.27	- 0.59
4987	- 0.60	+ 0.24	+ 0.31	+ 1.84	- 1.10	- 0.66	+ 0.18	+ 0.24	- 0.41	- 0.94
4989	- 0.74	+ 0.09	+ 0.16	- 0.10	- 1.87	- 1.35	+ 0.16	+ 0.29	- 0.63	- 3.11
2894	+ 0.37	- 0.08	- 0.17	+ 0.39	+ 1.02	- 0.96	+ 0.13	+ 0.30	- 0.18	- 2.98
4990	+ 0.06	- 0.16	- 0.86	+ 5.15	- 0.68	+ 0.07	- 0.07	- 0.28	+ 0.28	+ 0.31
2898	- 0.43	+ 0.54	+ 0.66	- 0.08	- 0.75	+ 0.08	- 0.07	- 0.10	+ 1.86	- 0.41
4991	+ 0.24	- 0.05	- 0.08	+ 1.41	+ 0.15	+ 0.24	- 0.06	- 0.10	- 2.33	+ 1.22
2896	+ 1.25	- 0.58	- 0.91	+ 2.75	+ 1.71	+ 1.11	- 0.07	- 0.19	+ 1.63	+ 2.82
2899	- 0.85	+ 0.19	+ 0.27	- 0.99	- 1.29	- 2.71	+ 0.29	+ 0.45	+ 5.99	- 6.89
4992	- 0.30	+ 0.12	+ 0.33	- 5.07	- 0.41	+ 1.20	- 0.32	- 1.09	+ 9.72	+ 3.51
2901	+ 0.09	+ 0.01	+ 0.03	- 2.82	+ 0.76	+ 1.04	- 0.12	- 0.27	- 0.39	+ 3.31
4993	+ 0.19	- 0.35	- 0.57	+ 0.33	+ 0.32	+ 0.02	- 0.04	- 0.06	- 5.94	+ 0.98
4994	+ 0.25	- 0.37	- 0.45	- 0.33	+ 0.43	- 0.83	+ 0.38	+ 0.44	- 3.28	- 0.59
4995	- 0.54	+ 0.10	+ 0.19	- 3.34	- 0.48	- 0.49	+ 0.05	+ 0.14	- 1.45	- 0.98
4996	- 0.34	+ 1.32	+ 2.37	+ 1.13	- 0.99	+ 0.89	- 1.30	- 1.93	+ 1.26	+ 1.35
2905	+ 3.70	- 1.37	- 1.82	+ 2.71	+ 5.97	+ 1.52	- 0.26	- 0.39	- 3.03	+ 4.38
2906	+ 0.56	- 0.25	- 0.30	- 3.77	+ 2.08	- 2.16	+ 0.42	+ 0.52	-11.54	+ 0.29
4997	+ 0.18	- 0.18	- 0.91	+ 7.01	- 0.10	+ 0.12	- 0.04	+ 0.02	- 3.87	+ 0.95
4998	- 0.49	+ 0.17	+ 1.16	- 6.45	- 1.63	+ 0.52	- 0.08	- 0.55	- 5.51	+ 8.10
2907	- 0.65	+ 0.13	+ 0.14	- 1.01	- 0.65	+ 1.28	- 0.13	- 0.17	+ 1.65	+ 1.68
4999	+ 0.33	- 0.14	- 0.86	+ 0.09	+ 3.08	+ 0.66	- 0.16	- 0.97	+ 4.82	+ 3.37
2908	+ 0.01	- 0.17	- 0.18	- 2.39	+ 1.19	+ 0.09	+ 0.00	+ 0.00	- 0.06	+ 0.20
5001	- 0.65	+ 0.30	+ 0.85	- 6.17	- 0.78	- 0.38	+ 0.12	+ 0.25	- 1.22	- 0.83
5002	+ 0.10	- 0.24	- 0.41	- 1.69	+ 0.37	- 0.21	+ 0.22	+ 0.36	+ 1.70	- 0.64
5003	- 0.30	+ 0.18	+ 0.35	+ 2.63	- 1.15	- 0.18	+ 0.04	+ 0.07	+ 0.77	- 0.56
5004	+ 0.05	- 0.06	- 0.38	+ 1.75	+ 0.12	- 0.03	+ 0.01	+ 0.08	-11.07	+ 1.80
2911	+ 0.25	- 0.04	- 0.06	- 1.59	+ 1.19	- 0.27	+ 0.06	+ 0.11	- 1.23	- 0.19
2912	- 0.20	+ 0.44	+ 0.67	- 0.24	- 0.34	+ 0.92	- 0.67	- 0.90	+ 1.08	+ 1.36
5005	+ 0.23	- 0.14	- 0.18	- 3.99	+ 0.79	- 0.17	+ 0.01	+ 0.01	- 0.95	- 0.15
5008	- 0.18	- 0.08	- 0.12	+ 0.22	- 0.31	- 0.78	+ 0.21	+ 0.30	+ 0.08	- 1.28
5009	+ 1.13	- 1.43	- 1.81	+ 7.71	+ 0.54	+ 4.02	- 5.82	- 7.36	+11.84	+ 4.30
5010	- 1.27	+ 0.57	+ 1.71	- 4.11	- 3.68	- 0.32	- 0.06	- 0.27	+ 0.86	- 1.17
2915	- 0.48	+ 0.11	+ 0.13	+ 1.30	- 1.02	- 1.06	+ 0.11	+ 0.14	- 3.17	- 0.96
5011	+ 0.09	- 0.19	- 0.52	- 0.05	+ 0.34	- 0.47	+ 0.45	+ 1.08	- 3.17	- 0.74
5012	+ 1.44	- 0.32	- 0.61	+ 2.20	+ 2.97	+ 0.07	+ 0.07	+ 0.16	+ 1.07	- 0.21
5013	+ 0.11	- 0.06	- 0.35	- 6.09	+ 1.55	+ 0.09	- 0.03	- 0.19	+ 3.59	+ 0.11
2917	+ 0.07	- 0.26	- 0.43	+ 0.93	- 0.17	+ 0.21	- 0.28	- 0.37	+ 0.85	+ 0.15
2918	- 1.37	+ 1.58	+ 2.10	- 3.80	- 0.73	- 2.33	+ 1.57	+ 2.04	- 3.76	- 2.79
5014	+ 0.06	- 0.01	- 0.03	- 0.14	+ 0.27	+ 0.40	- 0.05	- 0.16	- 3.31	+ 2.63
2919	-10.79	+ 1.99	+ 2.61	-11.70	-15.58	- 3.83	- 0.59	- 0.78	- 9.80	- 3.18
2920	- 0.04	- 0.02	- 0.18	- 2.68	+ 1.07	+ 0.37	- 0.10	- 0.63	- 0.29	+ 3.17
3956	- 0.66	+ 0.43	+ 0.48	- 3.29	+ 0.26	- 0.15	+ 0.03	+ 0.03	- 1.42	+ 0.18
5015	- 0.04	+ 0.00	- 0.02	+ 5.07	- 0.69	+ 0.31	- 0.08	- 0.27	- 0.44	+ 1.23
5016	- 0.09	+ 0.10	+ 0.28	- 2.10	+ 0.02	+ 0.19	- 0.18	- 0.50	+ 2.15	+ 0.31
5017	+ 0.77	- 0.58	- 1.23	+ 4.92	+ 1.17	+ 0.26	- 0.13	- 0.30	+ 5.67	- 0.26
2921	+ 0.07	- 0.08	- 0.14	+ 0.47	+ 0.03	- 0.28	+ 0.12	+ 0.22	+ 2.36	- 1.38
2922	+ 0.96	- 0.18	- 0.29	+ 3.73	+ 0.77	+ 0.19	+ 0.02	+ 0.04	- 5.90	+ 2.54

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
2888	0.56	0.52	0.55	1.24	0.64	0.73	0.46	0.48	1.75	0.88	1.54	1.21	0.35	1.03	0.49	
2891	0.58	0.49	0.53	2.22	1.35	0.55	0.43	0.46	2.52	1.38	0.37	0.23	0.94	0.20	0.85	
2890	0.99	0.91	1.03	2.87	1.22	1.08	0.60	0.63	2.81	1.58	1.96	3.71	3.37	0.84	2.11	
2892	0.84	0.52	0.54	1.83	1.03	1.06	0.56	0.58	2.51	1.44	1.61	0.68	0.73	1.54	0.99	t
4987	0.93	0.63	0.65	3.16	1.05	1.00	0.59	0.61	3.42	1.17	1.47	0.51		0.89	0.28	t
4989	1.23	0.65	0.68	2.98	1.85	1.22	0.56	0.58	3.12	1.81	0.30	2.08	0.27	0.85	0.39	
2894	0.94	0.46	0.48	2.59	1.50	0.97	0.46	0.48	2.72	1.58	0.27	2.11	1.69	0.92	1.38	t
4990	0.73	0.90	1.46	2.01	0.88	0.79	0.76	0.93	2.42	1.13	2.43	0.41	2.01	2.66	1.19	t
2898	0.67	0.68	0.72	1.31	0.78	0.76	0.67	0.70	1.71	0.88	1.16	1.36	1.90	1.26	1.51	
4991	1.00	0.48	0.49	2.69	1.42	1.02	0.54	0.56	2.73	1.44	0.97	0.86	0.26	1.22	1.93	
2896	0.81	0.59	0.63	1.71	1.09	1.10	0.49	0.50	3.33	1.80	2.08	2.65	0.91	0.60	1.10	
2899	1.07	0.48	0.49	3.03	1.30	1.24	0.45	0.46	3.52	1.66	1.62	4.39	0.06	3.31	1.59	
4992	0.74	0.59	0.66	3.18	1.07	0.80	0.57	0.62	3.56	1.30	3.27	3.42		2.15	1.03	
2901	1.29	0.68	0.71	4.24	1.84	1.40	0.64	0.66	4.31	2.25	0.66	1.58	0.98	1.09	0.52	
4993	0.69	0.85	0.98	2.40	0.77	0.83	0.61	0.65	2.62	1.02	2.21	1.10	0.49	2.46	0.29	t
4994	0.92	1.07	1.14	2.44	0.97	0.94	0.65	0.67	2.62	1.01	1.38	1.05	0.81	1.00	0.74	
4995	1.08	0.74	0.81	3.03	1.57	1.16	0.81	0.89	3.21	1.78	0.72	1.24		0.85	0.63	
4996	0.71	1.12	1.38	1.86	0.79	0.74	0.84	0.94	2.22	0.84	3.34	1.43		1.05	1.75	
2905	0.79	0.50	0.52	1.63	1.00	0.93	0.52	0.54	2.03	1.26	2.93	7.77	5.51	3.54	3.17	
2906	0.95	0.60	0.62	2.17	1.07	0.93	0.45	0.46	2.03	1.12	6.00	1.94	0.44	5.66	0.32	
4997	0.90	0.93	1.32	3.10	1.20	0.87	0.88	1.20	3.31	1.18	0.82	2.54		2.54	0.46	
4998	1.21	1.03	1.16	3.42	2.52	1.09	0.75	0.79	3.91	2.71	3.22	2.46		3.08	1.53	t
2907	0.72	0.36	0.37	1.43	0.84	1.01	0.40	0.41	2.23	1.27	1.13	1.65	0.88	0.22	0.97	t
4999	1.11	0.85	0.93	3.74	2.35	1.07	0.79	0.86	3.63	2.23	1.57	2.33	1.71	0.76	1.30	
2908	0.55	0.49	0.51	1.03	0.64	0.83	0.46	0.48	1.63	1.14	1.93	1.69	1.13	2.96	0.35	
5001	1.06	0.89	1.01	3.19	1.55	0.97	0.77	0.86	3.12	1.38	1.14	2.15		1.52	0.89	
5002	0.66	0.84	0.97	2.29	0.73	0.78	0.72	0.79	2.52	0.92	0.71	1.00	2.03	1.22	0.56	
5003	0.99	0.86	0.98	3.08	1.26	1.08	0.94	1.08	3.32	1.43	1.05	0.74		1.19	0.98	
5004	1.00	1.00	1.32	3.39	1.41	0.91	0.83	0.98	3.42	1.44	1.02	3.19		3.50	1.19	
2911	0.78	0.39	0.40	1.87	1.12	0.76	0.46	0.48	1.84	1.07	1.06	1.08	1.54	1.36	1.58	t
2912	0.66	0.90	1.03	1.35	0.78	0.72	0.61	0.65	1.52	0.89	1.32	2.22	1.55	0.17	0.61	t
5005	0.83	0.65	0.69	2.87	0.93	0.94	0.53	0.55	3.33	1.11	0.86	1.32		1.60	0.80	
5008	0.85	0.52	0.55	2.56	1.10	0.75	0.44	0.46	2.52	0.90	0.15	1.59	1.21	0.54	0.69	
5009	0.91	1.26	1.40	2.69	0.98	0.89	1.04	1.11	2.72	0.96	7.33	8.21	7.56	3.62	6.64	
5010	1.28	1.05	1.19	3.35	2.02	1.18	0.82	0.89	3.12	1.88	2.38	1.66		0.57	2.00	
2915	1.12	0.47	0.48	2.86	1.23	1.30	0.45	0.45	3.32	1.56	1.07	1.11	0.78	0.96	1.33	t
5011	0.72	0.85	1.11	1.87	0.89	0.75	0.74	0.87	2.22	0.97	1.52	1.79		1.02	0.50	
5012	1.25	0.71	0.75	3.13	1.84	1.22	0.72	0.76	3.31	1.73	0.92	1.80	0.84	0.40	2.02	
5013	0.81	0.75	0.91	3.62	1.25	0.84	0.77	0.91	3.41	1.43	1.26	1.86		2.21	1.19	t
2917	0.46	0.88	1.07	0.96	0.51	0.54	0.59	0.63	1.32	0.61	1.26	0.63	1.41	1.12	1.56	t
2918	0.74	0.82	0.89	1.31	0.91	0.79	0.68	0.72	1.51	1.00	5.17	4.60	5.41	2.00	2.58	t
5014	1.04	0.67	0.71	3.53	1.81	1.02	0.55	0.57	3.52	1.86	0.88	1.44	0.71	1.50	0.72	t
2919	1.28	0.60	0.62	3.10	1.53	1.34	0.57	0.58	3.01	1.73	5.44	11.20	11.37	2.21	11.94	
2920	0.60	0.46	0.50	2.01	1.36	0.59	0.48	0.53	1.93	1.16	1.22	3.05	1.44	2.18	0.07	
3956	0.57	0.49	0.50	1.12	0.62	0.74	0.44	0.45	1.66	0.82	3.19	0.32	1.70	2.91	0.69	
5015	0.99	1.01	1.29	3.86	1.30	0.95	0.68	0.75	3.71	1.50	1.25	1.00	1.75	1.47	0.40	
5016	0.86	0.78	0.92	2.84	1.16	0.86	0.81	0.97	2.92	1.14	0.56	1.17		0.91	0.18	
5017	0.92	0.83	0.94	3.09	1.17	0.98	0.76	0.83	3.28	1.32	1.60	2.59		2.03	0.61	
2921	0.86	0.66	0.71	2.10	1.11	0.95	0.65	0.70	2.41	1.30	0.91	1.08	1.62	1.38	0.54	t
2922	0.94	0.48	0.50	2.19	1.33	0.96	0.46	0.47	2.32	1.37	3.06	1.90	1.59	3.34	1.51	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5018	56378	FX		11 33 24.779 082	+ 4 8 3.004 93	- 15.18	- 3.65
5019	56406	FX		11 33 50.355 598	- 53 20 14.410 82	- 12.94	- 1.25
2923	56410	BX		11 33 56.284 020	+ 36 48 56.216 45	- 125.84	- 49.77
2924	56445	RS	89 Leo	11 34 21.949 382	+ 3 3 36.596 14	- 182.48	- 102.62
2926	56480	RS		11 34 45.656 370	- 54 15 50.727 53	- 55.64	+ 16.74
5020	56483	FX		11 34 47.618 024	+ 66 17 21.292 87	- 15.66	- 14.27
5021	56500	FX		11 34 58.904 659	- 4 21 40.636 80	- 44.63	- 44.39
5022	56535	FX		11 35 31.911 426	+ 11 11 18.986 90	+ 58.76	- 29.50
5023	56545	FX		11 35 38.313 664	+ 53 53 22.750 66	+ 13.55	- 20.76
2927	56553	RS		11 35 43.417 471	+ 10 54 40.607 27	+ 32.07	- 19.87
5024	56587	FX		11 36 5.552 643	+ 30 43 17.009 83	- 87.50	+ 63.13
2928	56716	BX		11 37 42.320 843	+ 77 35 44.511 70	+ 3.02	+ 1.66
5025	56744	FX		11 38 3.906 713	- 41 3 10.811 92	- 33.97	- 1.08
2932	56779	RS	ω Vir	11 38 27.606 918	+ 8 8 3.471 80	- 4.59	+ 5.95
2931	56789	BX	60 UMa	11 38 33.512 697	+ 46 50 3.132 40	- 35.63	- 29.82
5026	56819	FX		11 38 50.731 513	- 45 21 45.256 40	- 20.05	- 82.83
2933	56830	RS		11 39 0.442 139	- 24 43 15.936 56	+ 31.01	- 240.45
5027	56886	FX		11 39 44.361 207	+ 44 31 8.367 70	+ 11.88	- 16.09
5029	56931	FX		11 40 16.760 700	- 28 29 47.774 98	- 22.67	- 16.18
5030	56937	FX		11 40 20.468 476	- 69 40 18.278 98	- 12.54	- 16.35
5032	56960	FX		11 40 36.587 208	- 8 24 20.357 56	- 20.33	- 11.92
5033	56968	FX		11 40 41.554 906	+ 8 40 19.905 66	- 40.56	- 12.42
2936	56975	BX	92 Leo	11 40 47.067 266	+ 21 21 9.818 21	- 61.14	- 46.98
5034	57005	FX		11 41 10.825 670	- 16 40 59.281 84	- 1.72	- 21.53
2937	57013	RS		11 41 19.790 127	- 43 5 44.399 98	- 82.38	+ 4.33
5035	57016	FX		11 41 22.514 525	- 35 36 13.298 33	- 55.19	- 5.23
5037	57096	FX		11 42 16.874 126	- 49 32 39.235 81	- 1.34	+ 6.73
5038	57161	FX		11 43 22.976 899	- 19 49 23.861 59	- 20.71	- 19.72
2939	57165	BX		11 43 27.187 475	- 37 11 24.562 95	- 18.75	- 22.26
5039	57204	FX		11 43 47.955 222	+ 16 19 23.676 70	- 102.63	+ 37.91
5040	57264	FX		11 44 36.061 282	- 1 23 5.402 38	+ 3.82	+ 2.97
2941	57477	BX		11 46 55.622 674	+ 55 37 41.485 74	+ 13.62	- 31.77
5041	57573	FX		11 48 2.393 595	+ 40 40 31.192 03	- 11.31	+ 12.90
2943	57591	BX		11 48 25.263 973	+ 28 25 1.272 98	- 88.49	- 10.68
5042	57653	FX		11 49 24.541 999	- 60 25 32.790 83	- 7.32	+ 1.26
2945	57696	BX		11 49 56.613 752	- 70 13 32.846 55	- 7.72	- 2.02
2948	57841	BX		11 51 41.609 823	- 30 50 5.305 68	- 10.28	- 292.69
5044	57853	FX		11 51 53.953 903	+ 67 51 22.465 08	+ 4.92	- 4.65
5045	57889	FX		11 52 22.182 875	+ 58 22 45.558 93	+ 0.24	- 4.11
2949	57971	BX		11 53 26.809 507	- 35 3 59.922 22	- 79.27	- 29.81
5046	58010	FX		11 53 53.600 194	+ 11 7 10.575 47	- 8.22	+ 8.37
5047	58027	FX		11 54 4.657 492	+ 4 52 44.995 72	+ 10.44	+ 20.04
5048	58040	FX		11 54 11.310 264	- 30 54 25.485 04	- 20.86	+ 8.81
2950	58082	BX		11 54 42.538 389	- 25 42 49.984 67	+ 47.32	+ 74.71
2951	58110	BX	6 Vir	11 55 3.132 917	+ 8 26 38.193 10	- 31.57	+ 15.30
2952	58135	BX		11 55 24.511 690	+ 25 31 20.009 69	- 56.92	- 9.20
5049	58149	FX		11 55 31.244 370	+ 34 31 24.440 29	- 26.95	+ 19.51
2953	58181	RS	66 UMa	11 55 58.416 019	+ 56 35 54.814 01	+ 7.84	- 1.34
2954	58287	BX		11 57 14.582 557	+ 40 20 37.467 85	- 159.40	- 61.14
2955	58327	RS		11 57 42.394 499	+ 17 28 4.213 21	- 81.41	+ 3.01

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5018	91.24	0.96	0.63	90.91	0.81	0.64	6.49	1.07	H		9.04		13		
5019	91.27	0.67	0.83	91.23	0.70	0.82	1.82	0.42	P		8.07		11	1	3
2923	91.72	0.79	0.71	91.24	0.58	0.57	7.68	0.85	H	+ 18.	6.38		39		
2924	91.03	0.76	0.43	90.99	0.54	0.44	37.65	0.86	H	+ 3.	5.76		19	1	1
2926	91.36	0.38	0.36	91.20	0.44	0.50	7.04	0.58	H	+ 3.2	4.62		18		
5020	91.23	0.75	0.69	91.31	0.84	0.67	8.35	1.11	H		9.02		11	1	3
5021	91.03	0.70	0.43	91.17	0.59	0.48	5.29	0.88	H		6.43		11	1	3
5022	91.30	0.74	0.60	91.25	0.54	0.52	7.22	0.83	H		6.61		11	1	3
5023	91.13	0.60	0.63	91.44	0.64	0.64	3.75	1.18	H		8.79		11	1	3
2927	91.37	0.70	0.69	91.27	0.51	0.55	8.21	0.79	H	- 5.	6.57		18		
5024	91.72	0.82	0.75	91.56	0.73	0.66	10.53	1.10	H	+ 36.	8.39		11	1	3
2928	91.24	0.47	0.43	91.25	0.45	0.41	1.92	0.55	H		6.49	1	21	2	
5025	90.68	0.74	0.78	90.99	0.79	0.70	2.28	0.53	P		8.97		21	2	
2932	91.26	0.70	0.54	91.40	0.56	0.52	6.80	0.86	H	+ 3.9	5.24	2	33		
2931	91.16	0.53	0.39	91.58	0.43	0.38	9.29	0.73	H	- 24.0	6.09		21	2	
5026	91.00	0.85	0.76	91.13	0.83	0.72	7.17	1.33	H	+ 22.5	9.30		29	2	
2933	91.14	0.58	0.57	91.33	0.47	0.51	15.45	0.78	H	+ 96.3	6.40		11	1	3
5027	91.41	0.72	0.62	91.51	0.51	0.49	3.13	0.72	P	+ 2.5	8.32		31		
5029	91.08	0.63	0.61	91.24	0.51	0.47	1.82	0.79	H		7.03	2	13		
5030	91.21	0.50	0.56	91.27	0.51	0.52	3.16	0.64	H		7.27		31		
5032	91.43	0.87	0.58	91.47	0.64	0.51	25.67	1.11	H		7.41		31		
5033	91.25	0.81	0.72	91.13	0.59	0.60	8.99	0.87	H	- 5.9	7.34		11	1	3
2936	91.19	0.75	0.54	91.38	0.58	0.50	14.04	0.87	H	+ 8.8	5.26		11	1	3
5034	91.35	0.74	0.61	91.50	0.58	0.49	3.86	0.93	H		7.58		11	1	3
2937	91.13	0.40	0.41	90.98	0.48	0.47	15.58	0.67	H	+ 10.7	5.54		19	1	1
5035	91.36	0.64	0.79	91.44	0.58	0.57	7.85	0.89	H		7.08		31		
5037	91.10	0.65	0.69	91.13	0.86	0.84	3.15	0.73	P		8.53		11	1	3
5038	91.11	0.63	0.61	91.10	0.59	0.59	5.34	0.87	H		7.05	1	11	1	3
2939	91.29	0.55	0.50	91.30	0.52	0.51	5.45	0.80	H	+ 36.0	5.98		11	1	3
5039	91.33	0.86	0.75	91.29	0.57	0.59	14.14	0.88	H		8.01		23	2	
5040	91.15	1.07	0.65	91.05	0.83	0.63	2.46	1.28	H		8.24	2	13		
2941	91.28	0.35	0.29	91.29	0.38	0.33	15.80	0.59	H	+ 1.5	5.27		11	1	3
5041	91.01	0.72	0.62	91.40	0.61	0.55	2.26	0.52	P		9.03		11	1	3
2943	91.10	0.92	0.50	90.99	0.64	0.48	11.49	0.90	H	+ 15.0	7.24		31		
5042	91.17	0.54	0.56	91.23	0.53	0.53	-25	0.72	H		7.42	2	15	1	3
2945	91.37	0.44	0.47	91.33	0.44	0.41	2.24	0.58	H	+ 18.2	4.98	1	11	1	3
2948	91.30	0.60	0.64	91.25	0.48	0.46	31.81	0.84	H	+ 33.3	5.85		21	2	
5044	91.22	0.66	0.61	91.10	0.75	0.70	2.13	0.93	H		8.86		11	1	3
5045	91.43	0.83	0.78	91.34	0.91	0.89	1.95	1.30	H		9.20		11	1	3
2949	91.19	0.62	0.65	91.12	0.50	0.50	13.23	0.78	H	- 7.5	6.17		13		
5046	91.23	0.94	0.78	91.39	0.80	0.65	4.63	1.16	H		8.52		11	1	3
5047	91.30	0.98	0.68	91.23	0.74	0.63	2.03	1.26	H		7.80		31		
5048	91.30	0.72	0.82	91.22	0.51	0.49	3.00	0.69	P	- 9.5	7.30	2	31		
2950	91.07	0.54	0.52	91.05	0.48	0.47	11.06	0.71	H	- 10.7	5.26		29	2	
2951	91.25	0.67	0.52	91.23	0.46	0.45	19.45	0.73	H	- 9.6	5.58		11	1	3
2952	91.06	0.82	0.75	91.11	0.49	0.59	5.31	0.82	H	+ 8.	6.97		11	1	3
5049	91.65	0.74	0.74	91.58	0.51	0.52	3.20	0.74	P		8.49		11	1	3
2953	91.04	0.39	0.38	91.28	0.43	0.41	10.34	0.63	H	+ 14.7	5.83		11	1	3
2954	91.05	0.48	0.36	91.36	0.50	0.41	21.62	0.83	H	+ 26.2	6.60		31		
2955	91.33	0.82	0.70	91.32	0.68	0.75	10.14	1.01	H	+ 1.1	6.80		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5018	+ 0.14	- 0.45	- 0.82	- 2.82	+ 0.82	- 0.24	+ 0.47	+ 0.84	- 1.01	- 0.35
5019	- 0.01	+ 0.01	+ 0.10	+ 4.62	- 1.89	- 0.17	+ 0.04	+ 0.27	- 1.11	- 1.18
2923	- 0.18	- 0.18	- 0.31	- 4.59	+ 1.03	+ 0.70	- 0.40	- 0.60	+ 2.99	+ 0.11
2924	- 0.19	+ 0.75	+ 0.86	- 0.38	- 0.16	- 0.10	- 0.04	- 0.04	- 2.56	+ 0.59
2926	- 0.97	+ 0.06	+ 0.09	- 2.04	- 1.30	+ 0.62	- 0.06	- 0.10	+ 0.85	+ 1.04
5020	+ 0.31	- 0.17	- 0.28	+ 3.96	- 0.02	+ 0.63	- 0.24	- 0.41	+ 6.29	+ 0.18
5021	+ 0.08	+ 0.02	+ 0.09	+ 0.11	+ 0.09	+ 0.77	- 1.00	- 1.44	+ 2.83	+ 0.86
5022	+ 0.66	- 0.90	- 1.36	- 1.97	+ 1.29	+ 0.02	- 0.01	- 0.02	+ 3.65	- 0.27
5023	- 0.42	+ 0.22	+ 0.46	- 1.29	- 0.83	- 0.29	+ 0.11	+ 0.23	+ 0.85	- 0.78
2927	+ 0.09	- 0.02	- 0.04	+ 1.96	- 0.36	- 0.86	+ 0.23	+ 0.36	- 3.13	- 0.88
5024	- 0.65	+ 0.56	+ 0.87	- 1.78	- 0.85	- 0.64	+ 0.30	+ 0.42	+ 0.59	- 1.19
2928	+ 0.62	- 0.61	- 1.21	+ 1.60	+ 1.13	- 0.33	+ 0.23	+ 0.49	- 5.62	+ 0.20
5025	- 0.90	+ 0.39	+ 1.56	- 9.14	- 1.18	+ 0.32	- 0.14	- 0.48	- 1.37	+ 1.92
2932	- 0.43	+ 0.80	+ 1.22	- 2.59	+ 0.22	- 0.36	+ 0.25	+ 0.33	- 0.75	- 0.40
2931	- 0.44	+ 0.16	+ 0.20	- 2.86	+ 1.25	- 4.29	+ 2.09	+ 2.46	- 4.44	- 5.50
5026	+ 1.26	- 0.52	- 1.04	+ 5.65	+ 1.43	+ 1.11	- 0.62	- 1.11	+ 3.73	+ 1.57
2933	+ 0.87	- 0.16	- 0.26	- 0.28	+ 1.98	- 1.32	+ 0.13	+ 0.23	- 2.16	- 2.45
5027	+ 0.31	- 0.42	- 0.97	- 1.63	+ 1.07	+ 1.12	- 0.46	- 0.94	+ 3.85	+ 2.07
5029	- 0.38	+ 0.13	+ 0.48	+ 1.56	- 2.24	+ 0.08	- 0.05	- 0.16	- 1.86	+ 0.83
5030	- 1.04	+ 0.17	+ 0.51	- 0.17	- 3.81	+ 0.20	- 0.04	- 0.12	- 1.09	+ 0.92
5032	- 0.40	+ 0.34	+ 0.40	- 1.36	- 0.35	- 0.49	+ 0.24	+ 0.27	+ 2.52	- 0.97
5033	+ 0.39	- 0.37	- 0.59	+ 0.81	+ 0.61	- 0.67	+ 0.26	+ 0.40	- 3.83	- 0.64
2936	- 0.20	+ 0.03	+ 0.05	- 1.92	+ 0.66	- 1.33	+ 0.79	+ 0.96	- 1.83	- 1.54
5034	- 0.84	+ 0.18	+ 0.49	- 6.13	- 0.87	+ 0.20	- 0.08	- 0.21	- 1.60	+ 1.36
2937	+ 0.09	- 0.02	- 0.02	- 2.86	+ 1.13	+ 0.48	- 0.07	- 0.09	- 0.51	+ 1.07
5035	- 1.26	+ 0.55	+ 1.06	+ 1.45	- 3.85	+ 0.52	- 0.05	- 0.08	+ 1.87	+ 0.61
5037	- 0.24	+ 0.11	+ 0.29	- 1.24	- 0.48	- 0.22	+ 0.17	+ 0.54	- 1.42	- 0.48
5038	+ 0.65	- 0.10	- 0.21	+ 4.80	+ 0.54	+ 0.43	- 0.01	+ 0.00	+ 2.29	+ 0.51
2939	+ 0.61	- 0.17	- 0.30	+ 1.81	+ 0.79	- 1.10	+ 0.25	+ 0.45	- 1.15	- 2.41
5039	+ 1.77	- 2.33	- 3.41	+ 5.31	+ 2.14	- 0.32	+ 0.03	+ 0.00	- 0.11	- 0.44
5040	+ 0.23	- 0.66	- 2.14	+ 0.29	+ 0.83	+ 0.11	- 0.02	+ 0.15	- 1.97	+ 0.55
2941	+ 0.27	- 0.17	- 0.18	- 0.88	+ 0.75	+ 0.34	- 0.14	- 0.15	+ 0.87	+ 0.25
5041	- 0.03	+ 0.00	- 0.02	+ 1.02	- 0.18	+ 0.28	- 0.11	- 0.28	+ 2.49	+ 0.39
2943	- 0.05	+ 0.98	+ 1.40	+ 1.07	- 0.66	- 1.05	+ 1.47	+ 1.82	- 1.71	- 1.19
5042	+ 0.00	+ 0.00	+ 0.43	- 5.58	- 0.41	+ 0.00	+ 0.00	+ 0.74	- 4.25	- 2.63
2945	- 0.17	+ 0.05	+ 0.11	+ 0.70	- 0.79	- 0.16	+ 0.03	+ 0.06	+ 2.06	- 1.09
2948	+ 0.09	- 0.16	- 0.18	- 1.53	+ 0.94	+ 1.12	- 0.55	- 0.61	- 3.12	+ 3.27
5044	+ 0.23	- 0.10	- 0.32	+ 4.61	+ 0.10	+ 0.40	- 0.19	- 0.68	+ 1.92	+ 1.38
5045	- 0.09	+ 0.05	+ 0.21	- 1.09	- 0.31	- 0.34	+ 0.14	+ 0.81	- 2.93	- 1.74
2949	- 0.31	+ 0.14	+ 0.21	- 1.74	+ 0.08	+ 0.16	- 0.05	- 0.08	+ 2.50	- 0.61
5046	+ 0.37	- 0.49	- 1.11	- 2.98	+ 1.48	+ 0.38	- 0.28	- 0.49	+ 0.86	+ 0.68
5047	- 0.33	+ 0.77	+ 2.80	+ 3.61	- 1.78	- 0.32	+ 0.20	+ 0.26	+ 3.30	- 1.17
5048	- 0.53	+ 0.43	+ 1.36	- 1.51	- 1.83	- 0.18	+ 0.08	+ 0.22	+ 1.97	- 1.06
2950	- 2.04	+ 1.22	+ 1.64	- 1.74	- 3.31	+ 1.04	- 0.83	- 1.13	+ 4.53	+ 0.52
2951	- 0.60	+ 0.93	+ 1.10	- 0.50	- 0.84	- 0.36	+ 0.20	+ 0.23	+ 0.46	- 0.80
2952	+ 0.39	- 0.49	- 0.96	- 0.57	+ 1.34	- 0.36	+ 0.09	+ 0.18	- 3.37	+ 0.65
5049	+ 0.11	- 0.12	- 0.34	+ 3.42	- 0.18	+ 0.55	- 0.13	- 0.32	+ 3.54	+ 0.86
2953	+ 0.28	- 0.12	- 0.14	+ 1.33	- 0.06	- 0.60	+ 0.09	+ 0.12	+ 0.24	- 1.27
2954	- 0.31	+ 0.16	+ 0.18	- 2.12	+ 0.57	+ 0.34	- 0.23	- 0.25	- 1.26	+ 0.87
2955	+ 0.29	- 0.20	- 0.27	+ 0.24	+ 0.50	+ 0.46	- 0.10	- 0.18	+ 0.29	+ 0.91

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
5018	0.72	0.96	1.15	2.00	0.83	0.76	0.91	1.06	2.32	0.88	1.36	1.15		1.70	0.98	t
5019	1.06	0.84	0.92	3.70	2.26	1.05	0.83	0.91	3.53	2.24	1.25	0.99	0.42	1.50	2.34	
2923	0.87	1.01	1.19	2.06	0.99	0.87	0.69	0.75	1.72	1.14	2.73	0.95	1.04	2.83	0.81	t
2924	0.53	0.92	0.97	0.94	0.56	0.60	0.68	0.70	1.32	0.63	1.93	1.12	0.96	2.17	0.33	t
2926	1.01	0.38	0.39	2.22	1.47	1.01	0.53	0.55	2.42	1.40	1.03	1.21	1.78	0.29	0.50	t
5020	1.01	0.80	0.86	3.22	1.24	1.06	0.74	0.79	3.35	1.34	0.42	2.33		2.05	0.99	
5021	0.52	0.68	0.76	1.74	0.56	0.61	0.67	0.74	1.83	0.68	2.17	2.29	1.34	1.01	1.68	
5022	0.76	0.83	0.92	2.84	0.84	0.82	0.60	0.63	3.31	0.94	1.11	2.14	0.70	1.58	0.15	
5023	0.86	0.71	0.79	3.22	1.10	0.91	0.71	0.78	3.73	1.20	1.21	0.55		0.44	0.51	
2927	0.96	0.84	0.92	2.38	1.17	1.03	0.60	0.62	2.61	1.35	1.52	0.86	1.07	1.16	0.31	t
5024	0.98	0.97	1.07	2.75	1.15	0.97	0.79	0.84	2.72	1.16	1.63	0.90		0.68	0.89	
2928	0.55	0.53	0.60	1.27	0.73	0.62	0.45	0.49	1.95	0.86	3.60	2.48	2.13	2.76	0.95	
5025	0.97	0.82	0.93	2.55	1.70	0.89	0.75	0.85	2.43	1.42	2.03	3.96		2.85	0.72	
2932	0.64	0.86	0.98	1.23	0.77	0.72	0.67	0.72	1.51	0.89	2.53	1.05	2.25	1.95	0.87	t
2931	0.55	0.55	0.57	0.88	0.67	0.66	0.45	0.46	1.14	0.82	6.34	8.56	7.03	3.78	3.10	
5026	1.14	0.83	0.90	2.80	1.65	1.03	0.82	0.89	2.73	1.35	2.83	2.11	0.73	1.48	3.46	t
2933	1.42	0.60	0.61	3.83	1.92	1.52	0.52	0.53	4.01	2.21	0.59	1.60	2.16	0.53	1.16	
5027	0.78	0.72	0.83	2.93	0.98	0.77	0.54	0.58	3.02	1.02	2.91	1.58		1.04	2.19	
5029	0.84	0.63	0.70	2.81	1.41	0.79	0.48	0.51	2.92	1.39	0.68	1.82	0.70	1.47	0.62	t
5030	0.98	0.57	0.60	3.63	1.66	0.96	0.54	0.56	3.65	1.57	0.32	2.51	0.99	1.04	2.23	
5032	0.80	0.83	0.87	2.41	0.84	0.81	0.64	0.66	2.52	0.86	1.09	1.38	2.73	1.37	2.10	
5033	0.95	0.90	0.99	3.14	1.10	1.00	0.68	0.71	3.31	1.23	1.09	1.32		0.90	0.81	
2936	0.72	0.80	0.85	1.29	0.84	0.80	0.61	0.63	1.51	0.98	2.14	2.20	0.30	1.68	1.89	
5034	1.04	0.63	0.67	2.90	1.75	1.01	0.51	0.53	2.92	1.73	2.28	1.11	1.56	1.78	0.53	
2937	1.12	0.43	0.44	2.54	1.40	1.21	0.49	0.50	2.82	1.58	1.11	1.05	0.96	1.46	0.55	t
5035	1.18	0.88	0.95	2.86	1.67	1.16	0.60	0.62	3.02	1.68	0.64	2.59	0.91	1.64	2.84	t
5037	0.94	0.74	0.82	2.58	1.46	1.00	0.93	1.10	2.54	1.50	0.91	0.71	0.97	0.41	1.04	
5038	1.07	0.64	0.69	3.28	1.58	1.09	0.62	0.66	3.31	1.65	0.54	1.65		1.26	0.40	
2939	0.94	0.53	0.55	2.17	1.34	0.98	0.54	0.56	2.32	1.46	1.15	1.97	1.35	0.61	1.00	
5039	0.95	1.04	1.15	2.63	1.08	0.93	0.70	0.73	2.72	1.06	3.55	3.04		1.12	1.09	t
5040	0.69	0.91	1.32	1.87	0.83	0.72	0.79	1.00	2.22	0.89	2.00	1.33		1.09	1.10	t
2941	0.55	0.35	0.35	1.08	0.59	0.69	0.38	0.38	1.54	0.76	0.90	1.42	0.45	1.38	0.62	
5041	0.74	0.73	0.87	2.77	0.95	0.77	0.59	0.65	2.62	1.11	0.54	1.08		0.84	0.52	
2943	0.58	1.03	1.17	1.10	0.64	0.64	0.69	0.73	1.32	0.73	2.34	3.17	2.11	1.40	1.60	
5042	0.56	0.56	0.62	3.24	1.42	0.53	0.53	0.59	3.14	1.31	2.39	2.39	1.53	1.54	1.60	t
2945	0.73	0.49	0.53	1.93	1.13	0.75	0.43	0.45	2.23	1.19	0.93	1.17	1.05	1.41	0.41	
2948	0.87	0.95	1.00	1.58	0.99	0.86	0.54	0.55	1.62	1.00	1.65	3.52	0.54	3.61	0.34	
5044	0.81	0.65	0.73	3.08	1.18	0.89	0.74	0.84	3.35	1.34	1.33	1.73		1.37	1.01	
5045	0.94	0.82	0.96	4.44	1.39	1.05	0.92	1.06	4.92	1.70	1.31	0.80		0.28	0.96	
2949	1.06	0.76	0.80	2.23	1.34	1.10	0.54	0.56	2.41	1.43	1.31	0.36	2.37	1.31	1.51	t
5046	0.89	0.99	1.22	2.68	1.09	0.83	0.78	0.89	2.72	1.02	1.86	0.78		1.54	1.40	
5047	0.72	0.89	1.31	2.44	0.85	0.73	0.75	0.94	3.02	0.92	1.02	3.35	2.12	2.52	1.29	
5048	0.98	0.91	1.09	2.74	1.42	0.85	0.52	0.55	2.62	1.30	1.18	1.97	0.66	1.04	3.24	
2950	0.90	0.62	0.65	1.79	1.13	0.90	0.55	0.57	2.01	1.11	3.17	3.89	3.25	1.90	0.17	t
2951	0.72	0.78	0.82	1.37	0.79	0.78	0.54	0.55	1.51	0.92	1.01	1.96	1.35	0.74	0.47	t
2952	0.93	0.92	1.07	2.19	1.18	1.00	0.63	0.67	2.21	1.53	1.54	1.47	0.97	1.68	0.58	
5049	0.92	0.84	0.98	3.01	1.24	0.89	0.55	0.58	3.02	1.32	0.82	1.72		1.37	0.71	
2953	0.64	0.46	0.47	1.29	0.72	1.00	0.43	0.44	2.13	1.32	1.07	1.00	0.50	1.12	0.71	t
2954	0.54	0.50	0.51	0.96	0.59	0.70	0.50	0.51	1.53	0.77	2.22	1.32	0.52	2.70	0.38	t
2955	0.98	0.88	0.96	2.31	1.16	1.19	0.84	0.91	2.81	1.61	0.26	0.83	0.29	0.22	1.31	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5051	58339	FX		11 57 49.162180	- 75 22 37.39630	+ 4.17	+ 12.41
5052	58345	FX		11 57 56.207121	- 27 42 25.35367	- 1080.01	- 619.72
5053	58356	FX		11 58 0.238985	- 56 51 53.91965	- 16.95	+ 6.03
2956	58379	RS		11 58 15.224545	- 56 19 2.31831	- 21.53	+ 1.58
2957	58410	RS		11 58 35.238604	- 77 49 31.49546	- 42.01	- 9.05
2958	58450	RS		11 59 9.370477	- 10 28 33.22365	- 9.10	+ 31.12
2959	58453	BX		11 59 10.862995	- 51 41 48.33807	- 15.27	- 5.07
2960	58510	BX	7 Vir	11 59 56.912557	+ 3 39 18.71749	- 19.03	- 7.30
5054	58527	FX		12 0 9.043696	- 44 51 37.82876	- 61.18	+ 0.15
3957	58545	RS		12 0 18.602485	+ 80 51 11.47021	- 65.50	- 37.49
5055	58555	FX		12 0 26.484404	+ 49 35 5.86692	- 85.31	+ 40.65
5057	58650	FX		12 1 37.298722	+ 64 56 21.62674	- 44.22	- 23.84
2963	58654	RS		12 1 39.471386	+ 36 2 31.51021	- 84.65	- 78.50
5058	58656	FX		12 1 40.806445	+ 39 35 11.71705	+ 19.19	- 69.54
5059	58663	FX		12 1 44.803580	+ 13 24 37.31620	- 5.04	- 9.69
2966	58720	BX		12 2 37.692609	- 69 11 32.24052	- 39.03	- 7.40
5060	58753	FX		12 2 59.947297	- 22 9 8.52184	- 23.67	+ 10.17
5061	58766	FX		12 3 6.739107	- 16 27 22.69359	+ 5.45	- 5.85
5062	58777	FX		12 3 18.517850	+ 29 7 14.07562	+ 7.70	- 16.66
5063	58820	FX		12 3 52.196658	- 53 29 53.53562	- 19.25	- 2.16
5064	58895	FX		12 4 42.994474	+ 3 34 23.18362	- 16.65	- 28.06
5065	58946	FX		12 5 11.953110	- 34 12 32.36360	- 8.80	- 0.25
5066	58949	FX		12 5 12.528899	- 1 30 32.54056	- 513.24	+ 57.05
5068	58995	FX		12 5 45.354864	+ 53 29 1.36720	- 52.47	- 10.13
2967	59010	BX		12 5 59.814393	- 3 7 53.72393	- 27.85	- 19.46
5069	59044	FX		12 6 19.448943	+ 46 17 2.73477	- 33.30	- 25.25
2968	59068	BX		12 6 47.323662	- 12 14 27.05242	- 104.92	- 1.52
5071	59100	FX		12 7 10.755745	+ 9 39 46.38964	- 64.29	- 5.85
5072	59107	FX		12 7 14.147650	+ 17 36 27.72278	- 45.49	+ 6.24
2970	59135	RS		12 7 35.295608	- 31 24 38.02001	- 109.06	- 109.19
2971	59151	BX		12 7 49.874643	- 75 22 1.26847	- 92.48	+ 18.97
5074	59197	FX		12 8 21.704646	- 30 57 49.78404	+ 52.39	- 68.93
5075	59209	FX		12 8 35.204410	- 6 51 16.22346	- 17.74	- 24.52
5076	59271	FX		12 9 27.800930	+ 38 37 54.63088	- 32.80	- 59.65
5077	59291	FX		12 9 47.072468	+ 74 39 40.92789	- 6.04	+ 1.14
2973	59309	BX	11 Vir	12 10 3.418176	+ 5 48 25.22857	- 159.37	+ 18.31
5078	59314	FX		12 10 6.332437	+ 24 15 40.10185	- 4.82	+ 17.42
2974	59353	RS		12 10 33.816706	- 37 52 13.25717	+ 46.58	- 33.35
5079	59415	FX		12 11 16.107991	+ 86 55 55.39184	- 22.95	- 3.51
2975	59433	BX		12 11 28.619081	- 44 16 58.26043	+ 142.74	- 37.75
5080	59440	FX		12 11 32.108107	+ 34 15 31.23304	+ 60.88	- 94.23
5081	59482	FX		12 11 59.025819	- 25 56 29.33051	- 0.53	- 6.42
5082	59487	FX		12 11 59.844434	- 63 22 50.86676	- 22.25	- 20.28
2977	59501	RS	5 Com	12 12 9.289865	+ 20 32 31.42930	- 14.98	- 17.30
5083	59506	FX		12 12 14.241266	- 4 24 7.10376	+ 10.04	- 13.40
5084	59552	FX		12 12 48.043550	- 37 31 37.58021	+ 12.14	- 5.38
2978	59608	BX	12 Vir	12 13 25.939304	+ 10 15 44.42767	- 93.07	- 7.96
2979	59658	RS		12 14 5.627883	+ 66 6 33.45831	- 33.07	+ 7.15
5085	59666	FX		12 14 8.367021	+ 30 49 9.06332	- 131.55	- 105.92
2980	59746	RS		12 15 8.492138	+ 70 12 0.02678	- 24.12	- 28.50

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5051	91.28	0.71	0.77	91.42	0.64	0.59	3.99	0.82	H		8.81		25	2	
5052	91.04	0.67	0.74	91.12	0.52	0.55	98.16	0.88	H	+ 49.9	6.99		18		
5053	91.26	0.53	0.62	91.39	0.56	0.58	3.17	0.73	P		7.25		11	1	3
2956	91.18	0.41	0.49	91.38	0.44	0.44	5.15	0.69	H	- 5.5	5.44		31		
2957	91.20	0.45	0.51	91.20	0.44	0.43	9.46	0.52	H	+ 12.3	6.73		11	1	3
2958	90.95	0.73	0.59	91.40	0.49	0.50	3.79	0.93	H		6.49		11	1	3
2959	91.22	0.41	0.41	91.24	0.47	0.44	3.84	0.71	H	+ 9.2	6.04		11	1	3
2960	91.46	0.74	0.36	91.60	0.40	0.30	11.80	0.75	H	- 3.3	5.36		29	2	
5054	90.97	0.56	0.59	91.06	0.57	0.53	8.07	0.93	H		7.85		21	2	
3957	91.20	0.45	0.43	91.33	0.44	0.41	3.98	0.53	H	+ 29.9	6.21	2	19	1	1
5055	91.30	0.65	0.59	91.51	0.67	0.64	7.06	1.11	H		8.70		31		
5057	91.21	0.51	0.50	91.26	0.50	0.45	9.71	0.68	H	- 4.9	7.24		11	1	1
2963	91.53	0.51	0.53	91.54	0.37	0.49	9.01	0.77	H	+ 25.0	5.59		29	2	
5058	90.87	0.63	0.58	91.47	0.54	0.58	15.45	1.06	H		8.62		11	1	3
5059	91.16	1.14	0.86	91.75	0.59	0.55	3.35	1.31	H	+ 10.9	8.96		11	1	3
2966	91.23	0.40	0.41	91.31	0.42	0.38	10.57	0.54	H	+ 8.1	5.89		21	2	
5060	91.22	0.74	0.67	91.24	0.55	0.53	3.01	0.69	P		7.83	2	31		
5061	91.21	0.83	0.74	91.09	0.60	0.56	4.56	1.06	H		8.27		11	1	3
5062	91.52	0.96	0.65	91.48	0.50	0.53	3.04	0.70	P	- 5.7	8.30		31		
5063	91.25	0.42	0.58	91.25	0.53	0.55	3.76	0.80	H		6.99		11	1	3
5064	91.71	0.81	0.60	91.43	0.52	0.47	6.62	0.91	H		7.14		31		
5065	91.19	0.69	0.71	90.99	0.47	0.51	2.66	0.61	P		7.46	2	11	1	3
5066	91.44	0.90	0.59	91.44	0.57	0.54	30.58	1.02	H	+ 16.6	8.16		11	1	3
5068	91.19	0.59	0.54	91.26	0.67	0.64	2.87	0.66	P		8.21		11	1	3
2967	91.42	0.76	0.48	91.64	0.49	0.44	6.54	0.92	H	+ 16.6	6.37		19	1	1
5069	91.24	0.67	0.57	91.41	0.51	0.52	2.83	0.65	P		7.54	1	11	1	3
2968	91.20	0.68	0.47	91.39	0.46	0.40	13.04	0.88	H		6.77		11	1	3
5071	91.37	0.79	0.69	91.78	0.53	0.49	7.15	0.97	H	- 0.3	7.40		15	1	3
5072	91.59	1.22	0.93	91.59	0.72	0.63	3.70	0.51	P	- 3.	9.17		21	2	
2970	91.06	0.68	0.69	91.11	0.43	0.46	30.43	0.78	H		6.72		11	1	3
2971	91.06	0.44	0.50	91.17	0.46	0.44	7.45	0.54	H	- 45.3	5.17		11	1	3
5074	91.03	1.02	1.04	91.03	0.60	0.67	11.48	1.15	H		9.14		25	2	
5075	91.17	1.00	0.61	91.26	0.68	0.54	1.70	1.15	H		8.69		11	1	3
5076	91.54	0.59	0.49	91.41	0.50	0.54	8.56	0.84	H	- 53.7	7.39		11	1	3
5077	91.57	0.46	0.48	91.30	0.44	0.42	13.85	0.54	H	- 19.3	6.34		11	1	3
2973	91.16	0.75	0.44	91.50	0.48	0.38	22.81	0.86	H	- 8.7	5.72		39		
5078	91.19	0.90	0.64	91.44	0.53	0.47	11.78	0.97	H	- 22.4	8.76		11	1	3
2974	90.74	0.49	0.56	90.82	0.37	0.43	13.96	0.72	H	- 5.3	6.07		31		
5079	91.41	0.63	0.60	91.24	0.59	0.53	5.20	0.72	H		8.04		31		
2975	91.06	0.49	0.46	90.88	0.38	0.42	23.69	0.73	H		6.59		11	1	3
5080	91.55	0.65	0.60	91.47	0.53	0.51	13.88	0.83	H	- 14.8	7.30		11	1	3
5081	91.11	0.70	0.66	91.30	0.47	0.44	5.65	0.84	H		7.43		15	1	3
5082	91.12	0.50	0.57	91.14	0.54	0.58	9.52	0.70	H		7.45		25	2	
2977	91.19	0.63	0.50	91.24	0.42	0.39	6.73	0.74	H	- 25.0	5.60		39		
5083	91.31	0.80	0.55	91.31	0.53	0.45	-4.6	0.87	H		7.86		11	1	3
5084	90.80	0.59	0.58	90.76	0.39	0.44	2.91	0.84	H		7.43		21	2	
2978	91.17	0.69	0.42	91.29	0.46	0.35	20.18	0.72	H	+ 2.3	5.85		31		
2979	91.24	0.49	0.48	91.21	0.49	0.50	5.07	0.64	H		6.74		11	1	3
5085	91.33	0.87	0.68	91.44	0.61	0.49	15.23	1.01	H		8.25		11	1	3
2980	91.32	0.43	0.39	91.23	0.42	0.40	6.97	0.53	H	- 14.0	5.72		19	1	1

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5051	+ 0.63	- 0.15	- 0.50	+17.08	- 0.44	+ 1.09	- 0.15	- 0.46	+ 4.56	+ 3.16
5052	- 0.94	+ 0.33	+ 0.45	- 2.67	- 0.68	+ 0.48	- 0.14	- 0.19	+ 3.91	- 0.41
5053	- 0.30	+ 0.06	+ 0.18	- 5.07	+ 0.08	+ 0.09	+ 0.00	+ 0.00	- 0.37	+ 0.35
2956	+ 0.26	- 0.02	- 0.03	- 0.61	+ 0.91	- 0.58	+ 0.12	+ 0.19	+ 4.06	- 2.78
2957	- 0.31	+ 0.01	+ 0.01	+ 4.61	- 2.30	+ 1.98	- 0.07	- 0.17	+ 8.15	+ 3.96
2958	+ 0.11	+ 0.02	+ 0.08	- 1.78	+ 0.69	+ 0.65	- 0.06	- 0.19	+ 3.57	+ 1.26
2959	+ 0.51	- 0.10	- 0.19	- 0.05	+ 1.39	+ 0.26	- 0.07	- 0.14	+ 2.66	- 0.20
2960	+ 0.19	- 0.28	- 0.33	+ 0.93	- 0.01	+ 1.57	- 0.98	- 1.06	+ 0.66	+ 1.95
5054	- 1.79	+ 0.40	+ 0.66	- 7.34	- 1.65	+ 1.93	- 0.37	- 0.58	+ 2.87	+ 3.13
3957	- 0.31	+ 0.12	+ 0.19	- 0.98	- 0.27	+ 0.14	- 0.03	- 0.06	+ 0.26	+ 0.35
5055	+ 0.75	- 0.56	- 0.80	+ 1.08	+ 1.12	+ 1.46	- 0.83	- 1.32	+ 5.12	+ 1.98
5057	+ 1.15	- 0.74	- 0.95	- 0.02	+ 1.66	- 0.02	+ 0.07	+ 0.09	- 4.87	+ 0.43
2963	- 3.33	+ 1.83	+ 2.46	- 7.47	- 3.57	- 0.60	- 0.19	- 0.25	- 3.96	+ 0.13
5058	+ 0.00	- 0.01	- 0.01	- 1.33	+ 0.19	+ 0.08	- 0.02	- 0.03	+ 4.16	- 0.69
5059	+ 0.18	- 0.33	- 1.13	+ 0.27	+ 0.63	+ 0.20	- 0.03	- 0.01	- 1.32	+ 0.73
2966	+ 0.24	- 0.01	- 0.02	+ 1.50	- 0.11	- 2.44	+ 0.39	+ 0.51	+ 0.19	- 4.44
5060	+ 0.58	- 0.23	- 0.65	+ 2.75	+ 1.42	- 0.15	+ 0.09	+ 0.27	+ 1.76	- 1.03
5061	- 0.63	+ 0.11	+ 0.25	- 2.14	- 1.26	- 1.01	+ 0.11	+ 0.23	+ 0.82	- 3.01
5062	- 0.06	+ 0.58	+ 1.92	+ 1.05	- 0.47	- 0.85	+ 0.59	+ 1.28	+ 4.48	- 2.42
5063	+ 0.01	- 0.04	- 0.11	+ 0.41	- 0.01	+ 0.67	- 0.09	- 0.27	+ 6.14	+ 0.58
5064	- 0.03	- 0.16	- 0.27	- 2.26	+ 0.43	- 0.97	+ 0.46	+ 0.64	+ 0.37	- 1.65
5065	- 0.01	- 0.01	- 0.04	+ 0.08	- 0.03	- 0.32	+ 0.05	+ 0.15	+ 0.40	- 1.49
5066	+ 0.04	+ 0.22	+ 0.28	+ 1.62	- 0.38	+ 1.21	- 0.66	- 0.78	- 0.30	+ 1.87
5068	+ 0.27	- 0.17	- 0.36	- 0.16	+ 0.63	+ 0.11	- 0.08	- 0.21	- 0.83	+ 0.46
2967	+ 0.01	+ 0.14	+ 0.21	+ 0.19	- 0.10	+ 0.53	- 0.26	- 0.35	- 1.27	+ 1.56
5069	+ 0.01	+ 0.00	+ 0.00	- 4.55	+ 0.66	- 0.54	+ 0.21	+ 0.45	- 1.12	- 1.16
2968	+ 0.43	- 0.47	- 0.57	+ 1.44	+ 0.21	+ 0.16	+ 0.11	+ 0.14	- 0.57	+ 0.33
5071	- 0.29	+ 0.14	+ 0.23	- 0.87	- 0.44	- 0.46	+ 0.04	+ 0.07	- 8.90	+ 0.19
5072	- 0.49	+ 0.48	+ 1.58	-14.53	+ 0.09	- 0.03	- 0.03	- 0.12	+ 4.93	- 0.66
2970	- 1.12	+ 0.20	+ 0.30	- 4.84	- 1.09	+ 1.13	- 0.04	- 0.08	+ 1.81	+ 2.27
2971	- 0.35	+ 0.09	+ 0.14	- 0.70	- 0.48	- 0.06	+ 0.02	+ 0.03	- 1.89	+ 0.46
5074	+ 0.12	- 0.10	- 0.25	+ 4.10	- 1.65	+ 1.33	- 0.19	- 0.38	+11.30	- 1.17
5075	- 0.20	+ 0.32	+ 1.00	- 0.87	- 0.54	- 0.33	+ 0.08	+ 0.14	- 1.60	- 0.62
5076	+ 0.25	- 0.38	- 0.49	- 0.33	+ 0.38	- 0.08	+ 0.06	+ 0.08	- 1.57	+ 0.08
5077	- 0.32	+ 0.09	+ 0.13	- 0.76	- 0.42	+ 1.50	- 0.24	- 0.31	+ 3.55	+ 1.78
2973	+ 0.15	- 0.31	- 0.38	+ 0.98	- 0.13	- 0.07	+ 0.01	+ 0.02	- 3.14	+ 0.79
5078	+ 0.65	- 0.65	- 0.88	- 3.42	+ 1.47	+ 0.19	- 0.01	- 0.01	- 4.49	+ 1.01
2974	+ 2.17	- 0.30	- 0.48	- 0.94	+ 4.63	- 0.92	+ 0.06	+ 0.11	- 0.73	- 1.95
5079	- 0.58	+ 0.21	+ 0.39	- 6.99	- 0.24	- 1.09	+ 0.28	+ 0.51	- 5.96	- 1.39
2975	+ 1.09	- 0.17	- 0.22	+ 4.46	+ 0.12	+ 1.99	- 0.27	- 0.34	+ 1.40	+ 3.00
5080	- 0.08	+ 0.04	+ 0.05	+ 4.99	- 0.78	- 0.71	+ 0.19	+ 0.25	+ 0.22	- 1.07
5081	+ 0.00	+ 0.01	+ 0.01	+ 0.83	- 0.16	+ 0.17	- 0.06	- 0.09	- 0.44	+ 0.35
5082	- 0.84	+ 0.12	+ 0.21	+ 0.52	- 2.18	+ 3.92	- 0.69	- 1.19	+13.50	+ 4.40
2977	- 0.64	+ 0.55	+ 0.77	- 3.22	+ 0.23	- 0.36	+ 0.05	+ 0.06	- 1.37	- 0.07
5083	+ 0.00	+ 0.00	+ 0.99	- 0.94	- 0.76	+ 0.00	+ 0.00	- 0.15	- 0.24	+ 0.04
5084	+ 1.11	- 0.43	- 1.00	+ 5.74	+ 1.93	+ 0.35	- 0.04	- 0.07	+ 3.26	+ 0.24
2978	+ 0.58	- 1.23	- 1.41	+ 1.36	+ 0.23	- 0.06	+ 0.00	+ 0.01	- 1.79	+ 1.06
2979	+ 0.32	- 0.12	- 0.18	+ 0.31	+ 0.59	+ 0.59	- 0.06	- 0.14	+ 2.68	+ 0.94
5085	- 0.28	+ 0.35	+ 0.48	- 2.90	- 0.05	+ 0.04	+ 0.01	+ 0.02	+ 0.74	- 0.06
2980	+ 0.75	- 0.24	- 0.32	+ 1.12	+ 0.95	- 0.74	+ 0.14	+ 0.21	+ 1.95	- 2.00

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
5051	1.17	0.79	0.85	4.65	1.92	1.11	0.60	0.63	4.35	1.90	1.81	3.89		3.49	1.23	t
5052	1.39	0.83	0.86	2.83	1.81	1.33	0.59	0.60	3.02	1.65	1.69	0.58	0.99	1.39	1.25	t
5053	0.99	0.65	0.69	3.41	1.62	0.97	0.59	0.63	3.43	1.60	1.51	0.21	0.38	1.38	0.68	
2956	0.90	0.53	0.56	1.94	1.31	0.87	0.47	0.49	2.03	1.20	1.88	2.40	1.41	2.97	1.02	
2957	1.47	0.51	0.52	4.59	2.44	1.53	0.44	0.44	4.32	2.91	2.16	1.68	1.09	1.55	1.86	
2958	0.94	0.63	0.68	2.81	1.37	1.03	0.52	0.55	3.31	1.78	1.28	0.90	0.55	1.00	0.99	
2959	0.85	0.43	0.45	2.07	1.28	0.86	0.46	0.48	2.22	1.27	1.23	1.17	0.31	1.26	0.81	
2960	0.45	0.77	0.82	0.95	0.43	0.51	0.38	0.39	1.22	0.53	1.70	4.59	2.82	1.33	1.22	t
5054	1.07	0.63	0.66	2.71	1.46	1.04	0.57	0.59	2.63	1.42	3.15	2.85	1.59	1.85	4.48	
3957	0.71	0.48	0.51	1.48	0.98	0.95	0.42	0.43	2.44	1.60	0.76	0.48	0.62	0.40	1.88	t
5055	0.80	0.74	0.81	2.68	0.92	0.91	0.75	0.81	3.13	1.09	2.96	2.11		0.95	0.79	
5057	0.77	0.61	0.64	2.63	0.85	0.80	0.51	0.53	2.95	0.89	1.69	2.48	2.38	1.82	0.66	t
2963	0.85	0.63	0.66	1.84	1.01	1.08	0.52	0.53	2.71	1.43	5.27	5.02	6.55	2.29	3.14	t
5058	0.88	0.73	0.76	2.70	0.98	0.97	0.67	0.70	2.62	1.13	0.52	1.61		1.78	0.28	
5059	0.92	1.09	1.51	2.95	1.12	0.87	0.59	0.64	2.92	1.22	1.13	0.60		0.66	0.87	
2966	1.07	0.43	0.44	2.37	1.43	0.95	0.40	0.41	2.13	1.21	0.64	3.87	2.04	1.98	0.42	
5060	0.95	0.71	0.78	2.82	1.50	0.90	0.55	0.59	2.91	1.44	1.27	1.44	2.75	0.95	0.18	
5061	1.07	0.80	0.88	3.34	1.56	1.05	0.59	0.63	3.41	1.63	2.12	0.71		1.04	0.91	
5062	0.69	0.97	1.41	2.53	0.77	0.73	0.61	0.69	2.72	0.91	3.40	1.19		2.48	1.37	
5063	1.08	0.59	0.62	3.25	1.99	1.03	0.56	0.59	3.23	1.78	1.96	0.45	0.93	1.51	0.65	
5064	0.74	0.83	0.94	2.01	0.85	0.76	0.54	0.57	2.22	0.90	0.91	2.18	2.69	1.49	1.11	
5065	0.98	0.74	0.81	2.78	1.72	0.92	0.53	0.55	3.02	1.67	0.09	0.93	1.05	0.55	0.24	
5066	0.76	0.93	0.99	1.72	0.83	0.91	0.66	0.68	2.12	1.04	0.71	2.16	2.11	1.39	1.75	
5068	0.74	0.62	0.69	3.07	0.93	0.87	0.69	0.77	3.53	1.20	0.96	0.18		0.42	1.36	
2967	0.62	0.67	0.73	1.23	0.75	0.75	0.51	0.54	1.52	0.95	0.57	1.75	1.01	1.59	0.39	t
5069	0.76	0.65	0.73	2.64	0.98	0.77	0.56	0.61	2.73	1.04	1.75	1.45	0.34	1.85	0.79	
2968	0.65	0.69	0.73	1.35	0.72	0.74	0.49	0.51	1.82	0.82	1.34	0.84	1.18	0.92	1.49	
5071	0.96	0.82	0.90	3.72	1.14	1.00	0.53	0.56	3.81	1.25	2.35	0.46	0.69	2.27	1.97	t
5072	1.06	1.06	1.32	3.89	1.38	0.94	0.67	0.73	3.71	1.31	0.88	4.13		3.82	0.80	
2970	1.57	0.73	0.75	4.49	1.96	1.87	0.47	0.47	4.71	2.94	1.20	1.03	1.62	0.77	1.43	
2971	0.96	0.54	0.56	2.10	1.32	0.99	0.46	0.47	2.43	1.34	0.86	0.53	0.49	0.85	1.09	
5074	1.50	1.14	1.25	3.26	2.33	1.46	0.70	0.72	3.51	2.33	0.61	3.47		3.29	0.39	t
5075	0.65	0.77	1.09	1.85	0.81	0.70	0.60	0.72	2.12	1.02	1.41	1.21		0.45	0.93	
5076	0.63	0.72	0.77	2.28	0.66	0.80	0.66	0.70	2.62	0.90	0.61	0.86	1.92	0.67	1.24	
5077	1.15	0.51	0.52	3.41	1.41	1.05	0.44	0.45	3.45	1.23	1.14	1.64	2.40	0.49	0.82	
2973	0.56	0.91	0.97	1.08	0.56	0.60	0.52	0.53	1.32	0.63	2.36	1.01	0.81	2.84	0.36	t
5078	0.86	0.83	0.89	2.78	0.97	0.95	0.52	0.53	2.82	1.12	1.99	1.79		2.46	1.24	
2974	1.37	0.58	0.59	4.15	1.81	1.48	0.44	0.44	4.21	2.16	0.23	2.83	0.65	1.26	0.30	
5079	0.94	0.66	0.71	3.27	1.21	0.93	0.57	0.60	3.31	1.23	1.46	2.93		2.33	0.93	
2975	1.16	0.48	0.49	2.38	1.45	1.17	0.44	0.45	2.52	1.48	2.04	2.17	0.88	1.65	0.27	
5080	0.97	0.70	0.73	3.14	1.11	1.01	0.56	0.57	3.42	1.17	1.53	1.21	0.32	1.77	2.16	
5081	0.87	0.80	0.89	2.47	1.08	0.77	0.49	0.51	2.52	0.93	0.43	0.34		0.47	0.59	t
5082	1.22	0.60	0.62	2.98	1.77	1.20	0.61	0.63	2.95	1.73	4.87	3.31	1.13	2.78	1.91	t
2977	0.68	0.66	0.71	1.29	0.85	0.75	0.44	0.45	1.51	0.97	2.88	0.51	0.71	2.35	1.49	t
5083	0.55	0.55	0.83	1.72	0.82	0.45	0.45	0.55	2.03	0.87	1.50	1.01		0.16	0.64	
5084	0.83	0.62	0.68	2.55	1.20	0.77	0.47	0.49	2.62	1.09	2.85	2.13	3.45	1.72	1.22	
2978	0.57	0.76	0.79	0.93	0.59	0.62	0.43	0.44	1.02	0.74	2.76	2.09	2.81	2.47	0.46	t
2979	0.80	0.54	0.57	1.75	1.07	1.10	0.51	0.53	3.22	1.78	0.91	0.86	1.89	0.49	2.39	
5085	0.88	0.96	1.04	2.75	0.96	0.92	0.55	0.57	2.82	1.04	1.18	0.38	0.97	1.01	0.68	
2980	0.76	0.44	0.45	1.63	0.95	0.93	0.42	0.43	2.33	1.22	1.13	2.08	1.31	1.50	0.74	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3958	59767	BX		12 15 20.267 368	+ 87 42 0.420 21	- 27.76	+ 52.47
2981	59819	BX	6 Com	12 16 0.186 604	+ 14 53 56.651 19	- 80.06	- 30.85
2982	59847	BX	7 Com	12 16 20.538 508	+ 23 56 43.473 06	- 26.11	- 5.81
5087	59970	FX		12 17 57.542 252	+ 1 34 31.147 86	- 26.57	- 6.74
5088	59999	FX		12 18 20.074 899	- 51 14 42.631 55	- 15.11	- 13.49
2984	60018	BX		12 18 31.620 313	+ 30 14 56.567 94	+ 76.52	- 118.67
5089	60043	FX		12 18 48.244 125	- 29 57 39.237 54	+ 7.21	- 33.14
2986	60044	RS		12 18 49.982 834	+ 75 9 38.018 29	- 36.18	+ 4.29
5090	60102	FX		12 19 32.135 322	- 32 35 19.775 17	- 15.60	+ 3.10
2989	60260	RS	ϵ Cru	12 21 21.609 057	- 60 24 4.130 00	- 171.23	+ 91.61
5091	60280	FX		12 21 37.817 876	- 0 9 28.785 37	- 28.21	- 16.32
2991	60305	BX		12 21 56.248 808	+ 47 10 55.932 56	- 57.90	- 23.11
5093	60407	FX		12 23 9.537 382	- 7 17 56.845 37	- 27.15	+ 3.82
2992	60449	RS		12 23 35.420 160	- 35 24 45.638 43	- 40.92	- 7.46
2993	60467	BX	4 CVn	12 23 47.012 033	+ 42 32 33.872 34	- 80.23	+ 13.88
2994	60485	BX	5 CVn	12 24 1.494 705	+ 51 33 44.124 52	+ 13.22	+ 11.34
5094	60500	FX		12 24 11.495 630	+ 5 58 17.639 65	+ 6.06	- 17.46
2995	60591	BX		12 25 8.518 575	- 42 30 51.523 19	- 134.18	- 22.19
5095	60678	FX		12 26 7.655 502	+ 52 40 35.825 58	- 2.02	- 3.18
2997	60697	RS	14 Com	12 26 24.065 041	+ 27 16 5.658 66	- 13.28	- 9.95
2998	60699	RS		12 26 24.189 763	+ 71 55 47.377 47	- 150.76	- 23.31
5096	60728	FX		12 26 48.603 202	+ 48 39 41.551 59	- 32.46	- 0.25
5097	60739	FX		12 26 53.769 899	+ 69 43 46.192 83	- 102.84	- 178.86
2999	60742	BX	γ Com	12 26 56.273 238	+ 28 16 6.316 56	- 82.07	- 81.69
5098	60790	FX		12 27 33.093 238	+ 17 50 3.619 42	- 37.34	- 25.97
5099	60791	FX		12 27 33.139 981	+ 41 21 18.210 41	- 12.46	- 10.20
3000	60795	RS	73 UMa	12 27 35.103 264	+ 55 42 45.806 45	- 21.78	- 11.62
3001	60813	BX		12 27 51.547 774	- 4 36 54.992 78	- 87.47	+ 2.76
3984	60912	BX		12 29 0.525 653	- 83 48 9.612 36	- 15.42	+ 7.17
5100	60924	FX		12 29 9.691 085	- 2 25 46.431 02	- 20.65	- 4.88
5101	60943	FX		12 29 28.249 063	+ 11 8 20.025 29	- 34.15	+ 5.93
5102	60986	FX		12 30 1.440 500	+ 62 50 51.453 31	- 50.63	- 6.10
3002	61103	BX		12 31 21.416 393	+ 7 36 15.509 64	- 19.89	+ 10.33
5103	61147	FX		12 31 50.553 419	+ 29 18 50.913 31	- 10.66	- 9.35
5104	61192	FX		12 32 18.594 253	- 79 47 1.836 24	- 29.23	+ 6.41
5105	61203	FX		12 32 30.530 708	+ 56 58 34.822 21	- 13.50	- 121.59
3003	61208	RS		12 32 32.807 456	- 21 12 43.619 07	- 136.99	- 46.00
3004	61246	BX	20 Vir	12 33 2.878 457	+ 10 17 44.421 41	- 51.08	+ 4.88
5106	61265	FX		12 33 19.930 626	- 54 58 52.063 09	- 28.60	- 9.07
5107	61283	FX		12 33 29.817 007	+ 38 4 8.550 16	- 77.38	- 11.80
5108	61290	FX		12 33 32.165 646	+ 24 26 55.436 68	- 16.35	- 2.46
5109	61459	FX		12 35 38.952 029	+ 34 3 33.309 12	- 15.76	- 2.55
3005	61468	RS		12 35 45.531 687	- 41 1 19.000 57	- 107.17	+ 1.17
5110	61487	FX		12 35 53.094 919	+ 45 46 51.510 46	- 8.62	+ 20.98
3006	61513	RS		12 36 12.264 534	- 52 25 3.784 81	- 0.35	- 10.45
3007	61571	RS	25 Com	12 36 58.332 050	+ 17 5 22.334 18	- 36.10	- 16.98
5111	61573	FX		12 37 2.287 642	+ 14 15 6.658 44	- 6.24	- 13.26
5114	61648	FX		12 38 17.212 682	+ 72 7 34.747 30	+ 12.68	- 12.96
3009	61658	RS		12 38 22.405 355	+ 1 51 16.785 07	- 80.04	- 17.30
3010	61688	BX		12 38 44.612 169	- 18 15 0.366 89	- 121.35	+ 25.86

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3958	91.38	0.49	0.41	91.32	0.43	0.37	21.48	0.54	H	- 3.8	6.27	1	29	2	
2981	91.23	0.70	0.57	91.28	0.46	0.39	16.49	0.78	H	+ 9.6	5.09		18		
2982	91.74	0.77	0.48	91.54	0.46	0.37	13.12	0.88	H	- 27.2	4.93		11	1	3
5087	91.15	0.87	0.60	91.40	0.54	0.51	3.99	0.97	H	+ 2.7	7.56		11	1	3
5088	91.10	0.51	0.59	91.03	0.58	0.60	3.53	0.81	P		7.58		25	2	
2984	91.41	0.75	0.49	91.50	0.48	0.40	18.06	0.82	H	- 17.4	6.23		19	1	1
5089	91.07	0.91	0.86	90.76	0.47	0.60	7.88	1.12	H		8.52		11	1	3
2986	91.43	0.40	0.39	91.32	0.41	0.42	11.29	0.48	H	- 3.3	5.47		19	1	1
5090	91.25	0.78	0.81	91.02	0.44	0.51	4.62	0.95	H		7.45		31		
2989	91.13	0.38	0.42	91.15	0.41	0.44	14.30	0.56	H	- 4.6	3.59		21	2	
5091	91.38	0.85	0.58	91.22	0.58	0.56	6.00	0.99	H		8.08		11	1	3
2991	91.00	0.53	0.48	91.17	0.47	0.46	10.61	0.78	H		6.33		21	2	
5093	90.94	0.77	0.51	91.56	0.55	0.46	3.54	0.89	H		6.96		21	2	
2992	91.07	0.51	0.49	91.28	0.47	0.45	7.98	0.72	H	- 10.	5.32		31		
2993	90.96	0.45	0.41	91.40	0.46	0.45	9.75	0.69	H	- 0.3	6.03	2	18		
2994	91.27	0.37	0.33	91.30	0.38	0.36	8.30	0.58	H	- 13.2	4.76		19	1	1
5094	91.68	0.94	0.77	91.16	0.63	0.55	2.34	0.54	P	+ 26.	7.65	2	33		
2995	91.31	0.47	0.50	91.33	0.49	0.49	18.96	0.75	H	+ 33.5	6.10		11	1	3
5095	91.15	0.60	0.61	91.13	0.58	0.54	9.74	0.88	H		8.31		11	1	3
2997	91.19	0.60	0.42	91.69	0.48	0.41	11.92	0.75	H	- 4.3	4.92		39		
2998	91.22	0.46	0.46	91.19	0.46	0.46	8.38	0.55	H	+ 7.2	6.33		21	2	
5096	91.25	0.60	0.58	91.13	0.56	0.55	6.70	0.89	H		7.92		11	1	3
5097	91.30	0.63	0.61	91.31	0.68	0.63	18.83	0.81	H		8.47		21	2	
2999	91.13	0.66	0.40	91.54	0.53	0.40	19.18	0.83	H	+ 4.7	4.35		11	1	3
5098	91.06	0.84	0.62	91.31	0.61	0.50	4.01	1.06	H	- 23.8	7.44		33		
5099	91.00	0.40	0.40	91.48	0.49	0.48	5.58	0.75	H	- 4.8	6.51		39		
3000	91.23	0.43	0.38	91.17	0.45	0.45	7.43	0.61	H	+ 17.1	5.68	1	39		
3001	91.42	0.70	0.46	91.77	0.52	0.43	10.90	0.86	H	- 5.4	6.23		38		
3984	91.50	0.50	0.51	91.28	0.44	0.48	4.52	0.57	H	+ 4.3	6.61		11	1	3
5100	91.34	0.77	0.53	91.58	0.53	0.40	1.56	0.86	H	- 35.4	6.86	2	33		
5101	91.20	1.06	0.77	91.31	0.77	0.61	1.23	1.21	H		9.25		11	1	3
5102	91.22	0.71	0.68	91.19	0.76	0.72	9.82	0.92	H		9.29		11	1	1
3002	91.48	0.69	0.43	91.24	0.41	0.34	4.10	0.75	H	- 17.2	6.05		11	1	3
5103	91.23	0.77	0.72	91.47	0.53	0.50	11.77	0.82	H	- 0.6	7.55		11	1	3
5104	91.14	0.48	0.53	91.29	0.47	0.50	7.42	0.56	H		7.10		11	1	3
5105	91.13	0.57	0.56	91.18	0.57	0.54	15.35	0.82	H		8.12		11	1	3
3003	91.27	0.66	0.65	91.35	0.50	0.47	7.78	0.78	H		6.41		21	2	
3004	91.40	0.75	0.44	91.35	0.51	0.39	6.92	0.85	H	+ 0.5	6.29		11	1	3
5106	91.25	0.41	0.53	90.86	0.48	0.54	6.84	0.83	H		7.61		31		
5107	91.65	0.46	0.55	91.58	0.51	0.54	6.44	0.79	H	- 10.0	6.53		31		
5108	91.77	0.84	0.75	91.54	0.58	0.58	2.93	0.67	P	- 6.2	7.24	2	19	1	1
5109	91.57	1.03	0.73	91.52	0.77	0.64	5.62	1.19	H	- 9.0	8.52		11	1	3
3005	91.26	0.48	0.51	91.73	0.48	0.43	28.92	0.75	H	- 11.	5.12		11	1	3
5110	90.84	0.60	0.55	91.08	0.52	0.46	3.09	0.81	H	- 8.8	7.28	2	11	1	3
3006	91.28	0.47	0.45	91.26	0.52	0.52	2.78	0.78	H		6.56		11	1	3
3007	91.35	0.62	0.51	91.31	0.52	0.49	6.29	0.85	H	- 7.6	5.70		11	1	3
5111	91.27	1.11	0.78	91.20	0.73	0.61	5.89	1.19	H		8.93		11	1	3
5114	91.20	0.63	0.59	91.14	0.61	0.61	4.90	0.75	H		8.33		31		
3009	91.32	0.68	0.39	91.30	0.49	0.33	6.51	0.75	H	- 16.	5.68	2	13		
3010	91.19	0.62	0.47	91.32	0.52	0.43	16.07	0.74	H	- 12.9	6.00	1	39		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3958	- 0.58	+ 0.56	+ 0.61	+ 0.48	- 0.94	+ 0.88	- 0.48	- 0.52	+ 1.05	+ 0.97
2981	+ 0.17	- 0.42	- 0.52	- 0.52	+ 0.65	- 0.94	+ 0.28	+ 0.33	- 3.23	- 0.26
2982	+ 0.18	- 0.59	- 0.74	+ 0.10	+ 0.30	+ 0.02	- 0.09	- 0.10	- 1.59	+ 0.74
5087	- 0.15	+ 0.32	+ 0.65	- 0.02	- 0.37	+ 0.41	- 0.22	- 0.42	+ 0.94	+ 0.75
5088	+ 0.89	- 0.09	- 0.21	+ 4.01	+ 1.50	- 1.93	+ 0.51	+ 1.23	- 4.65	- 4.71
2984	+ 0.02	+ 0.08	+ 0.08	+ 0.60	- 0.32	- 0.51	+ 0.30	+ 0.33	+ 1.48	- 1.28
5089	+ 1.02	- 0.55	- 1.12	+ 3.18	+ 1.88	- 0.22	+ 0.05	+ 0.11	- 0.25	- 0.54
2986	- 0.53	+ 0.12	+ 0.15	- 2.23	+ 0.12	- 0.43	+ 0.04	+ 0.06	- 2.33	- 0.13
5090	+ 0.03	- 0.01	- 0.02	- 0.13	+ 0.17	- 0.72	+ 0.10	+ 0.22	+ 5.46	- 4.19
2989	- 0.69	+ 0.13	+ 0.17	- 2.48	- 0.26	- 0.80	+ 0.16	+ 0.21	- 5.25	+ 0.38
5091	- 0.27	+ 0.18	+ 0.23	+ 1.05	- 0.69	- 0.52	+ 0.12	+ 0.20	- 2.89	- 0.28
2991	- 0.33	+ 0.10	+ 0.14	- 3.72	+ 0.86	+ 1.29	- 0.38	- 0.50	+ 6.77	- 0.56
5093	- 1.32	+ 1.50	+ 2.59	- 1.88	- 2.32	- 0.69	- 0.27	- 0.56	- 1.23	- 0.87
2992	+ 1.34	- 0.20	- 0.32	+ 3.21	+ 1.85	+ 0.68	- 0.02	- 0.03	+ 4.60	- 0.07
2993	- 0.13	+ 0.10	+ 0.10	+ 0.79	- 0.82	- 1.17	+ 0.40	+ 0.52	- 0.07	- 2.08
2994	+ 0.10	- 0.06	- 0.07	+ 0.13	+ 0.12	- 0.02	- 0.02	- 0.02	- 0.18	+ 0.04
5094	- 0.04	+ 0.12	+ 0.46	- 0.61	- 0.17	+ 0.48	- 0.21	- 0.54	+ 0.32	+ 1.33
2995	+ 1.22	- 0.24	- 0.31	+ 1.93	+ 1.56	+ 0.40	- 0.08	- 0.11	+ 0.40	+ 0.57
5095	- 0.02	+ 0.06	+ 0.08	+ 1.13	- 0.20	- 0.38	+ 0.15	+ 0.21	- 0.33	- 0.56
2997	+ 0.63	- 1.29	- 1.52	+ 1.09	+ 0.61	+ 0.84	- 0.42	- 0.45	+ 0.90	+ 0.96
2998	- 1.09	+ 0.37	+ 0.49	- 2.04	- 1.25	- 0.35	+ 0.00	+ 0.01	+ 0.41	- 0.96
5096	- 0.46	+ 0.12	+ 0.19	- 1.25	- 0.66	+ 0.74	- 0.24	- 0.37	- 3.55	+ 1.89
5097	+ 7.78	- 3.63	- 4.62	+ 7.43	+10.42	+ 2.93	- 1.18	- 1.47	- 6.35	+ 5.03
2999	+ 0.16	- 1.14	- 1.34	- 0.33	+ 0.43	- 0.20	+ 0.60	+ 0.70	+ 0.71	- 0.53
5098	- 0.08	+ 0.09	+ 0.17	- 8.16	+ 0.41	- 0.32	+ 0.15	+ 0.25	- 1.50	- 0.45
5099	+ 1.15	- 0.40	- 0.53	+ 1.50	+ 1.55	+ 0.61	- 0.25	- 0.35	- 0.06	+ 0.94
3000	- 0.91	+ 0.71	+ 0.84	+ 0.38	- 1.81	- 0.44	+ 0.14	+ 0.19	- 2.04	+ 0.10
3001	- 0.16	+ 0.57	+ 0.72	+ 1.83	- 1.26	+ 0.37	- 0.39	- 0.49	+ 1.38	+ 0.19
3984	+ 0.67	- 0.05	- 0.16	- 0.55	+ 2.68	- 0.21	+ 0.01	+ 0.03	- 0.13	- 0.77
5100	- 0.06	+ 0.04	+ 0.10	+ 0.57	- 0.34	- 0.17	+ 0.04	+ 0.09	- 5.17	+ 0.47
5101	+ 0.08	- 0.15	- 0.84	- 1.68	+ 0.85	- 0.17	+ 0.15	+ 0.58	- 0.34	- 0.71
5102	- 0.13	+ 0.05	+ 0.07	+ 2.86	- 0.56	- 0.89	+ 0.31	+ 0.53	- 4.79	- 1.17
3002	+ 0.37	- 0.73	- 1.08	+ 0.91	+ 0.43	- 0.38	+ 0.24	+ 0.33	- 0.07	- 0.62
5103	- 0.20	+ 0.13	+ 0.19	- 3.22	+ 0.18	- 0.28	+ 0.04	+ 0.06	- 5.08	+ 0.54
5104	- 0.16	+ 0.02	+ 0.05	- 0.16	- 0.43	- 0.48	+ 0.04	+ 0.09	- 3.80	- 0.29
5105	+ 0.11	- 0.07	- 0.08	- 5.07	+ 0.58	- 0.25	+ 0.06	+ 0.08	- 5.25	+ 0.14
3003	+ 2.96	- 0.81	- 1.46	+ 8.29	+ 4.85	+ 0.08	+ 0.18	+ 0.34	+ 1.09	- 0.39
3004	- 0.21	+ 0.69	+ 0.97	- 0.79	- 0.05	+ 0.46	- 0.48	- 0.61	+ 0.42	+ 0.66
5106	+ 0.94	- 0.13	- 0.26	+ 5.14	+ 0.90	- 0.07	- 0.02	- 0.05	- 6.80	+ 1.47
5107	- 0.03	+ 0.08	+ 0.14	- 0.86	+ 0.03	+ 1.48	- 0.51	- 0.82	+ 1.95	+ 2.44
5108	+ 0.10	- 0.20	- 0.59	- 3.61	+ 1.01	- 0.41	+ 0.22	+ 0.53	- 2.01	- 0.80
5109	+ 0.16	- 0.18	- 0.33	- 0.09	+ 0.33	+ 0.81	- 0.53	- 0.90	- 1.88	+ 1.93
3005	+ 0.23	- 0.07	- 0.08	- 1.23	+ 0.85	+ 0.27	- 0.05	- 0.06	- 2.05	+ 1.19
5110	+ 0.26	- 0.26	- 0.52	+ 3.83	+ 0.13	+ 0.94	- 0.35	- 0.66	+ 2.30	+ 1.72
3006	+ 0.02	- 0.01	- 0.02	+ 3.60	- 0.85	+ 0.42	- 0.03	- 0.14	+ 1.53	+ 2.41
3007	- 0.10	+ 0.28	+ 0.45	- 0.53	- 0.03	+ 0.44	- 0.38	- 0.55	+ 1.08	+ 0.48
5111	- 0.50	+ 0.87	+ 1.85	- 3.79	- 0.56	+ 0.28	- 0.33	- 0.66	- 0.56	+ 0.71
5114	- 0.29	+ 0.19	+ 0.37	+ 3.04	- 0.99	+ 1.00	- 0.36	- 0.72	- 3.38	+ 2.83
3009	- 0.27	+ 0.42	+ 0.53	- 0.14	- 0.41	+ 0.07	- 0.13	- 0.17	- 1.91	+ 0.58
3010	+ 0.91	- 1.12	- 1.33	+ 2.24	+ 0.64	- 0.73	+ 0.65	+ 0.78	- 2.25	- 0.51

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
3958	0.61	0.55	0.56	1.37	0.65	0.64	0.45	0.46	1.96	0.66	0.79	2.59	4.21	0.94	1.47	t
2981	0.75	0.85	0.91	1.33	0.87	0.81	0.44	0.45	1.62	0.95	2.12	1.07	0.35	1.75	0.72	t
2982	0.58	0.88	0.96	1.00	0.66	0.60	0.47	0.48	1.12	0.69	1.38	1.31	0.81	1.78	1.52	t
5087	0.70	0.81	0.96	2.01	0.83	0.81	0.57	0.62	2.52	1.05	0.60	1.19	2.48	0.18	0.71	
5088	0.96	0.63	0.67	2.76	1.51	0.94	0.64	0.69	2.73	1.45	2.58	3.87	2.22	0.80	1.02	t
2984	0.63	0.82	0.87	1.07	0.71	0.69	0.48	0.49	1.42	0.77	0.85	1.81	0.39	1.85	0.65	t
5089	1.20	0.96	1.06	3.41	1.62	1.26	0.62	0.64	3.61	1.95	1.58	1.21		0.35	1.44	
2986	0.80	0.43	0.44	1.52	0.99	1.01	0.44	0.45	2.53	1.25	1.77	0.15	1.33	1.51	2.23	t
5090	1.15	0.86	0.94	2.95	1.87	1.06	0.52	0.54	3.02	1.77	1.71	2.40	0.07	2.76	0.60	
2989	1.03	0.44	0.45	2.14	1.31	1.01	0.47	0.48	2.23	1.25	2.68	0.34	3.66	2.38	0.81	
5091	0.71	0.83	0.97	1.87	0.84	0.84	0.70	0.80	2.22	1.05	0.93	1.33		1.36	0.02	
2991	0.76	0.60	0.62	1.57	0.89	0.87	0.52	0.53	1.73	1.10	4.64	0.66	3.01	4.39	0.95	
5093	0.63	0.67	0.77	2.13	0.73	0.74	0.52	0.57	2.42	0.95	2.00	4.75	3.03	0.24	2.15	
2992	1.08	0.51	0.53	2.59	1.52	1.13	0.47	0.48	2.81	1.63	2.11	1.35	2.54	1.51	0.40	
2993	0.63	0.53	0.55	1.03	0.80	0.83	0.51	0.53	1.73	1.05	0.67	2.45	1.13	1.59	1.78	t
2994	0.56	0.42	0.43	1.09	0.62	0.70	0.41	0.42	1.44	0.85	0.20	0.26	0.32	0.13	1.26	t
5094	0.88	0.88	1.11	2.87	1.18	0.78	0.59	0.66	3.02	1.09	0.44	1.49	0.40	0.35	2.80	t 3012
2995	1.18	0.54	0.55	2.67	1.45	1.14	0.52	0.53	2.42	1.46	0.85	1.28	1.91	0.14	0.72	
5095	0.89	0.73	0.78	2.86	1.02	0.93	0.60	0.63	3.33	1.08	0.64	0.39		0.44	1.22	
2997	0.53	0.74	0.79	0.97	0.58	0.61	0.55	0.57	1.32	0.67	2.36	2.93	3.15	0.43	1.80	t
2998	0.84	0.51	0.53	1.71	1.08	1.19	0.47	0.48	3.03	1.75	1.41	1.54	14.86	0.55	0.44	
5096	0.97	0.63	0.67	3.01	1.24	0.93	0.61	0.64	3.03	1.16	1.83	1.13		1.69	1.05	
5097	1.01	0.71	0.74	3.04	1.14	1.01	0.76	0.79	3.25	1.13	12.19	4.11		3.43	6.64	
2999	0.50	0.84	0.90	0.96	0.50	0.57	0.61	0.63	1.22	0.60	0.77	1.99	0.76	1.15	0.81	
5098	0.70	0.89	1.10	3.03	0.78	0.74	0.57	0.62	3.12	0.88	2.65	0.66	1.23	2.75	1.17	t
5099	0.68	0.45	0.47	2.21	0.80	0.72	0.57	0.61	2.52	0.83	0.91	2.66	1.18	0.38	0.53	t
3000	0.60	0.47	0.49	1.15	0.69	0.84	0.49	0.51	1.63	1.12	1.35	3.12	2.12	1.96	1.42	t
3001	0.60	0.72	0.77	1.09	0.71	0.69	0.55	0.58	1.52	0.79	1.49	1.91	3.26	2.46	1.27	t
3984	1.15	0.52	0.53	4.02	2.04	1.16	0.49	0.50	4.43	2.09	0.10	1.40	1.67	0.73	0.74	
5100	0.63	0.62	0.75	1.72	0.84	0.62	0.43	0.47	2.12	0.90	2.43	0.52	1.71	2.49	1.64	t
5101	0.81	0.87	1.23	2.69	1.06	0.70	0.67	0.83	2.62	0.97	1.44	0.44		0.88	1.02	
5102	1.12	0.75	0.79	4.23	1.38	1.18	0.78	0.83	4.43	1.49	1.08	1.35		1.09	1.38	t
3002	0.51	0.64	0.72	1.08	0.61	0.56	0.39	0.41	1.41	0.66	1.55	1.95	1.75	0.52	1.37	
5103	1.02	0.88	0.95	3.04	1.20	1.06	0.54	0.55	3.01	1.32	0.34	1.99		2.00	0.56	
5104	1.28	0.54	0.55	3.81	2.04	1.27	0.51	0.52	3.87	2.03	1.00	0.29	0.74	0.81	1.25	
5105	0.92	0.67	0.69	3.55	1.00	1.04	0.59	0.61	3.93	1.18	0.54	1.92		2.02	0.86	
3003	1.16	0.69	0.73	3.23	1.58	1.22	0.49	0.50	3.21	1.85	2.95	3.64	5.21	1.04	2.91	t
3004	0.52	0.78	0.87	0.93	0.62	0.57	0.51	0.54	1.02	0.70	1.59	1.65	1.63	0.69	0.42	
5106	1.15	0.55	0.57	3.22	1.70	1.10	0.57	0.59	3.23	1.55	2.64	1.11	1.17	2.58	0.52	
5107	0.80	0.65	0.70	2.77	0.93	0.93	0.60	0.63	3.22	1.15	0.91	2.49	0.95	0.34	1.07	
5108	0.88	0.87	1.07	2.91	1.15	0.82	0.64	0.71	2.82	1.12	1.33	1.36	0.88	1.53	0.31	t
5109	0.84	1.01	1.23	2.77	0.97	0.88	0.75	0.82	2.82	1.09	2.14	0.34		1.27	1.22	t
3005	1.18	0.55	0.56	2.51	1.40	1.21	0.45	0.46	2.62	1.47	0.87	1.01	0.79	1.30	0.33	t
5110	0.70	0.65	0.74	2.46	0.86	0.74	0.51	0.54	2.73	0.97	2.00	2.21	0.67	1.43	0.99	
3006	1.05	0.45	0.46	4.95	2.62	1.05	0.53	0.54	4.91	2.41	0.80	1.08	0.41	0.81	1.05	
3007	0.64	0.76	0.85	1.32	0.74	0.71	0.61	0.66	1.51	0.87	1.13	0.98	0.37	0.48	0.13	
5111	0.90	1.04	1.26	2.51	1.09	0.85	0.73	0.81	2.52	1.04	2.01	1.68	1.16	1.27	1.88	t
5114	0.88	0.66	0.71	3.20	1.10	0.97	0.66	0.71	3.44	1.31	2.56	1.11		2.06	0.90	
3009	0.52	0.58	0.62	1.09	0.59	0.55	0.41	0.42	1.32	0.62	1.39	1.39	2.27	1.72	1.27	t
3010	0.67	0.65	0.68	1.31	0.76	0.75	0.53	0.55	1.71	0.85	2.88	2.19	2.95	1.39	2.25	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3008	61709	BX		12 38 54.689745	- 76 3 57.45785	- 26.37	- 19.66
3013	61748	BX		12 39 16.860819	+ 35 57 7.04525	+ 19.33	- 3.48
5116	61768	FX		12 39 35.207389	- 23 48 36.82587	- 37.07	- 3.39
5117	61866	FX		12 40 42.994691	- 16 8 48.41015	- 21.14	- 9.16
5118	61965	FX		12 41 55.831879	- 47 36 21.98011	+ 0.09	- 4.58
3014	61995	BX		12 42 17.734614	+ 33 41 18.88260	- 220.43	- 107.28
5119	62017	FX		12 42 39.026571	+ 28 21 35.07502	- 22.75	- 54.59
3015	62027	RS		12 42 50.265654	- 63 3 31.04753	- 13.29	- 3.42
5120	62079	FX		12 43 24.207338	+ 39 38 20.94875	- 9.37	+ 2.35
5121	62090	FX		12 43 32.053345	- 26 18 5.46292	- 23.20	- 12.19
5122	62091	FX		12 43 32.111403	+ 2 37 16.14040	- 18.34	+ 21.59
3016	62128	RS		12 43 58.669487	- 36 20 56.95055	+ 7.87	- 7.52
5123	62138	FX		12 44 7.826551	- 64 12 41.52484	- 10.80	- 20.33
5124	62141	FX		12 44 11.176051	- 2 50 33.21642	- 71.68	- 8.45
3017	62170	BX		12 44 26.014254	+ 80 37 15.68552	+ 31.75	- 42.81
5127	62176	FX		12 44 33.644613	+ 13 20 54.87804	- 6.27	- 22.52
5128	62189	FX		12 44 42.841610	- 17 46 41.86335	- 6.62	- 36.31
5129	62219	FX		12 45 5.960232	- 60 4 32.71043	- 42.85	+ 3.88
5130	62242	FX		12 45 23.781714	- 41 21 56.65820	+ 7.14	- 4.78
5131	62363	FX		12 46 48.447760	+ 43 9 6.70855	+ 10.78	- 36.33
3020	62423	RS	7 Dra	12 47 34.345027	+ 66 47 25.09551	+ 2.49	- 4.70
3019	62437	BX		12 47 48.284978	+ 50 9 25.02410	- 99.99	- 5.45
5133	62484	FX		12 48 17.855890	+ 19 19 21.47806	+ 0.27	+ 5.46
3021	62523	RS		12 48 47.048363	+ 24 50 24.81484	- 334.62	- 105.87
3022	62541	RS	29 Com	12 48 54.213385	+ 14 7 21.30805	+ 28.66	- 19.50
5134	62543	FX		12 48 55.525479	+ 54 14 53.47746	- 1.50	+ 0.78
5136	62664	FX		12 50 23.868541	- 1 49 30.16196	- 27.00	- 2.10
5137	62704	FX		12 50 58.371434	+ 3 35 53.96070	- 18.42	+ 1.03
3024	62867	RS		12 53 6.906415	- 48 56 35.93233	- 79.00	- 25.26
3026	62904	RS		12 53 32.107317	+ 19 28 51.82135	- 150.62	- 176.80
5138	62927	FX		12 53 44.419733	+ 35 44 12.34245	- 1.17	- 69.62
5139	62942	FX		12 53 54.399933	+ 6 45 46.43723	- 230.44	+ 93.16
5140	62945	FX		12 53 56.084345	+ 87 38 53.93216	- 9.92	+ 10.16
3027	62972	RS		12 54 13.085013	+ 33 32 4.12975	- 89.88	+ 31.67
3028	62996	RS		12 54 30.206689	- 20 5 52.89964	- 19.04	- 2.38
3030	63024	RS		12 54 56.521182	+ 47 11 48.19702	- 17.32	- 6.71
3029	63066	RS		12 55 19.431342	- 42 54 56.63567	- 37.90	- 12.60
3031	63083	RS		12 55 32.454664	- 30 4 12.40237	+ 14.09	- 10.74
3032	63093	BX		12 55 38.413202	+ 0 3 19.04513	- 29.54	- 4.31
3033	63109	BX		12 55 53.243186	- 15 19 37.28797	- 18.90	- 0.91
5142	63225	FX		12 57 19.031952	- 8 54 38.95152	+ 15.59	- 2.63
5143	63251	FX		12 57 36.670211	- 32 18 1.26199	- 37.74	- 22.24
5144	63286	FX		12 58 9.804446	- 23 3 18.50883	- 122.34	- 11.57
5145	63325	FX		12 58 35.907823	- 6 56 54.05572	- 29.51	+ 5.17
3036	63355	BX	36 Com	12 58 55.442824	+ 17 24 34.00177	- 37.72	+ 34.67
5146	63472	FX		13 0 22.128620	+ 13 50 39.26468	+ 38.30	- 62.85
5147	63479	FX		13 0 25.648731	+ 31 46 45.15188	+ 10.20	- 12.57
5148	63555	FX		13 1 23.818974	- 11 9 25.07068	+ 3.94	- 33.62
5149	63560	FX		13 1 30.428674	+ 1 31 13.12270	+ 1.95	- 4.88
3040	63623	RS		13 2 22.653933	- 28 17 10.70127	- 46.57	+ 7.91

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3008	91.19	0.48	0.53	91.30	0.50	0.58	3.96	0.59	H		6.77	1	11	1	3
3013	91.73	0.53	0.52	91.59	0.49	0.47	6.45	0.73	H	- 11.4	6.39	1	39		
5116	91.02	0.74	0.78	91.48	0.60	0.55	4.90	0.87	H		7.66		11	1	3
5117	91.25	0.91	0.86	91.41	0.66	0.58	2.84	0.65	P		8.61		11	1	3
5118	91.54	0.68	0.66	91.31	0.51	0.52	5.47	0.97	H		7.84		31		
3014	91.43	0.70	0.45	91.52	0.54	0.42	17.57	0.82	H		6.64		11	1	3
5119	91.18	0.76	0.74	91.49	0.63	0.59	13.63	0.92	H	- 1.6	7.48		19	1	1
3015	91.12	0.38	0.38	91.37	0.41	0.45	3.32	0.56	H	+ 22.	5.27	1	18		
5120	91.56	0.79	0.82	91.10	0.79	0.63	5.65	1.16	H	- 4.7	9.13		11	1	3
5121	91.15	0.72	0.69	91.63	0.65	0.57	4.26	0.90	H		7.50		31		
5122	91.40	0.98	0.64	91.61	0.78	0.62	12.32	1.13	H		8.43		31		
3016	90.73	0.62	0.71	91.44	0.53	0.50	3.35	0.83	H	- 1.3	6.38		11	1	3
5123	91.05	0.63	0.69	91.12	0.71	0.73	6.84	0.92	H		8.57		31		
5124	91.28	0.69	0.39	91.34	0.56	0.40	12.55	0.82	H		6.76		31		
3017	91.14	0.43	0.39	91.19	0.46	0.43	7.05	0.53	H	- 28.2	6.33		18		
5127	91.22	1.08	0.79	91.33	0.74	0.66	2.93	1.31	H		8.84		21	2	
5128	91.18	0.80	0.74	91.77	0.72	0.69	3.92	1.04	H		7.22		13		
5129	91.05	0.45	0.57	91.21	0.50	0.51	4.47	0.74	H		7.24		11	1	3
5130	91.39	0.82	0.79	91.76	0.79	0.67	2.82	0.65	P		8.82		11	1	3
5131	91.10	0.54	0.50	91.21	0.61	0.48	9.32	0.96	H		7.91		31		
3020	91.26	0.43	0.40	91.18	0.43	0.43	4.19	0.53	H	+ 8.0	5.43	1	21	2	
3019	91.30	0.53	0.53	91.12	0.48	0.49	15.36	0.74	H		6.82		11	1	3
5133	91.26	0.73	0.70	91.22	0.56	0.50	3.30	0.89	H	- 6.5	7.64	2	31		
3021	91.49	0.65	0.61	91.53	0.56	0.57	58.23	0.99	H	- 9.1	6.29		19	1	1
3022	91.22	0.72	0.54	91.26	0.52	0.43	8.10	0.77	H	- 8.1	5.71		39		
5134	91.09	0.65	0.62	91.16	0.63	0.54	3.64	0.88	H	- 6.7	8.52	1	31		
5136	91.17	0.98	0.62	91.27	0.69	0.52	.19	1.11	H		8.88		15	1	3
5137	91.32	1.13	0.72	91.62	1.01	0.72	1.33	1.48	H		9.13		11	1	3
3024	91.16	0.45	0.46	91.68	0.41	0.44	10.77	0.64	H	- 2.4	4.33		19	1	1
3026	91.21	0.69	0.74	91.24	0.52	0.58	22.71	0.90	H		6.42		11	1	3
5138	91.72	0.65	0.59	91.44	0.73	0.65	3.67	0.98	H		8.11		11	1	3
5139	91.30	1.00	0.76	91.60	0.72	0.62	38.12	1.44	H		8.24		11	1	3
5140	91.40	0.58	0.58	91.22	0.52	0.52	3.24	0.64	H	- 54.6	7.47		21	2	
3027	91.51	0.71	0.62	91.39	0.58	0.53	13.43	0.86	H	+ 3.0	6.25		11	1	3
3028	90.91	0.81	0.72	91.17	0.58	0.50	3.52	0.95	H		6.73		11	1	3
3030	91.14	0.41	0.44	91.11	0.41	0.42	4.63	0.67	H	- 17.2	5.75	2	13		
3029	91.23	0.54	0.49	91.69	0.42	0.38	5.42	0.82	H	- 6.9	5.46	1	11	1	3
3031	90.96	0.65	0.67	91.51	0.46	0.41	5.36	0.76	H		6.90		11	1	3
3032	91.29	0.70	0.43	91.54	0.61	0.41	4.90	0.86	H		6.78		11	1	3
3033	91.15	0.76	0.47	91.54	0.54	0.38	4.87	0.88	H	- 3.2	6.18		31		
5142	91.27	0.75	0.60	91.63	0.54	0.48	5.12	0.84	H		6.93		21	2	
5143	91.14	0.79	0.76	91.65	0.50	0.45	4.11	0.86	H		7.98		11	1	3
5144	91.12	0.67	0.63	91.22	0.46	0.35	16.71	0.85	H		6.95		11	1	3
5145	91.29	0.90	0.46	91.30	0.59	0.39	3.33	1.03	H		7.76		11	1	3
3036	91.24	0.69	0.51	91.66	0.51	0.43	10.91	0.88	H	- 1.6	4.76	1	11	1	3
5146	91.43	0.87	0.71	91.62	0.61	0.53	8.80	1.01	H		7.89		11	1	3
5147	91.17	0.68	0.60	91.66	0.58	0.54	4.83	0.81	H	+ 2.4	6.65		11	1	3
5148	91.46	1.14	0.81	91.62	0.79	0.58	8.32	1.24	H		8.73		11	1	3
5149	91.26	0.71	0.52	91.25	0.50	0.39	2.49	0.57	P	+ 9.	7.46	2	13		
3040	90.95	0.68	0.74	91.30	0.56	0.60	2.14	0.81	H		6.68		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3008	+ 0.17	- 0.03	- 0.07	+ 2.92	- 0.12	+ 0.27	- 0.02	- 0.09	+ 2.01	+ 0.71
3013	- 0.08	+ 0.01	- 0.02	+ 1.71	- 0.84	- 2.01	+ 0.57	+ 0.85	- 3.52	- 2.76
5116	- 0.20	+ 0.06	+ 0.16	- 0.14	- 0.57	- 0.39	+ 0.05	+ 0.12	+ 1.24	- 1.55
5117	+ 0.05	- 0.07	- 0.32	+ 2.56	- 0.34	- 0.67	+ 0.10	+ 0.38	- 0.79	- 3.17
5118	- 1.65	+ 0.75	+ 1.44	- 4.86	- 2.79	- 0.19	+ 0.10	+ 0.18	- 1.39	- 0.13
3014	+ 0.21	- 0.58	- 0.68	+ 0.37	+ 0.20	- 0.51	+ 0.58	+ 0.66	- 0.04	- 0.77
5119	- 0.19	+ 0.09	+ 0.12	- 0.07	- 0.29	- 0.98	+ 0.29	+ 0.40	- 4.48	- 0.83
3015	+ 0.12	- 0.01	- 0.03	- 0.87	+ 0.84	+ 0.26	- 0.01	- 0.05	+ 2.68	+ 1.07
5120	- 0.08	+ 0.11	+ 0.23	- 0.62	- 0.11	- 0.29	+ 0.17	+ 0.29	- 3.42	- 0.06
5121	+ 0.68	- 0.33	- 0.80	+ 7.44	+ 0.13	- 0.76	+ 0.28	+ 0.61	- 2.53	- 1.36
5122	+ 0.84	- 1.35	- 1.95	+ 1.45	+ 1.17	- 1.44	+ 0.88	+ 1.30	- 5.54	- 1.25
3016	+ 0.71	- 0.14	- 0.50	+ 4.30	+ 2.33	- 0.50	+ 0.03	+ 0.13	+ 0.51	- 3.06
5123	+ 0.85	- 0.12	- 0.25	+ 8.94	+ 0.80	- 2.08	+ 0.29	+ 0.80	-12.88	- 4.38
5124	- 0.50	+ 0.81	+ 0.95	- 3.45	- 0.22	- 0.24	- 0.22	- 0.27	- 2.95	+ 0.11
3017	+ 0.29	- 0.25	- 0.30	+ 0.01	+ 0.49	- 0.34	+ 0.15	+ 0.20	+ 0.88	- 0.75
5127	- 0.17	+ 0.07	+ 0.15	- 4.02	+ 0.21	- 0.33	+ 0.20	+ 0.46	- 9.57	+ 0.54
5128	+ 0.20	- 0.16	- 0.39	- 1.42	+ 0.92	- 0.26	+ 0.20	+ 0.45	+ 2.30	- 1.12
5129	+ 0.22	- 0.05	- 0.15	- 1.09	+ 1.21	+ 0.88	- 0.10	- 0.27	+ 3.40	+ 1.92
5130	- 0.13	+ 0.04	+ 0.13	- 1.33	+ 0.08	- 0.57	+ 0.40	+ 1.01	- 0.79	- 1.65
5131	+ 0.45	- 0.20	- 0.27	+ 2.30	+ 0.33	+ 0.53	- 0.30	- 0.39	+ 7.23	- 0.09
3020	+ 1.11	- 0.60	- 0.85	+ 7.84	- 0.12	- 0.40	- 0.02	- 0.01	- 0.85	- 0.56
3019	- 0.15	- 0.06	- 0.07	- 4.06	+ 1.12	+ 0.44	- 0.19	- 0.23	+ 0.09	+ 0.71
5133	+ 0.04	+ 0.02	+ 0.07	- 1.20	+ 0.22	+ 1.04	- 0.44	- 0.83	+ 6.32	+ 1.39
3021	- 0.23	+ 0.04	+ 0.07	- 3.36	+ 0.98	+ 0.51	- 0.16	- 0.19	- 1.98	+ 1.91
3022	- 0.06	+ 0.18	+ 0.30	- 2.59	+ 1.10	+ 1.46	- 0.56	- 0.73	+ 0.59	+ 2.54
5134	- 0.64	+ 0.52	+ 1.01	- 2.99	- 1.11	+ 0.96	- 0.36	- 0.67	- 5.12	+ 2.46
5136	- 0.04	+ 0.05	+ 1.15	- 3.30	- 0.09	- 0.02	+ 0.01	- 0.09	- 0.50	- 0.23
5137	+ 0.11	- 0.09	- 0.34	+ 0.78	+ 0.36	+ 0.18	- 0.05	- 0.21	+ 0.91	+ 0.68
3024	+ 0.79	- 0.13	- 0.18	+ 0.55	+ 1.40	+ 0.29	- 0.06	- 0.08	- 3.88	+ 1.82
3026	- 0.41	+ 0.23	+ 0.31	- 0.46	- 0.60	- 0.26	- 0.03	- 0.04	+ 0.48	- 0.62
5138	- 0.45	+ 0.32	+ 0.62	- 1.00	- 0.85	- 0.13	- 0.02	- 0.07	+ 3.71	- 0.65
5139	+ 0.21	- 0.07	- 0.07	+ 0.06	+ 0.27	+ 0.48	- 0.13	- 0.16	+ 3.02	+ 0.31
5140	+ 0.15	- 0.08	- 0.21	+ 0.31	+ 0.48	- 1.59	+ 0.33	+ 0.80	+ 0.28	- 4.63
3027	- 0.17	+ 0.16	+ 0.22	- 0.49	- 0.17	+ 1.13	- 0.25	- 0.35	- 0.89	+ 2.71
3028	+ 0.20	- 0.05	- 0.12	- 0.03	+ 0.66	+ 0.79	- 0.09	- 0.24	+ 2.76	+ 2.05
3030	- 0.06	+ 0.05	+ 0.08	- 0.03	- 0.13	- 0.80	+ 0.11	+ 0.21	- 0.86	- 1.74
3029	- 0.35	+ 0.07	+ 0.13	- 1.69	- 0.33	+ 0.13	- 0.02	- 0.04	+ 0.76	+ 0.09
3031	- 0.24	+ 0.04	+ 0.09	- 0.64	- 0.58	- 0.78	+ 0.05	+ 0.11	+ 0.28	- 2.27
3032	+ 0.61	- 0.88	- 1.33	+ 1.70	+ 0.53	+ 0.56	+ 0.10	+ 0.29	- 1.61	+ 1.10
3033	+ 0.16	- 0.12	- 0.18	+ 1.91	- 0.38	+ 0.31	- 0.09	- 0.12	+ 2.98	- 0.17
5142	+ 1.84	- 1.34	- 2.24	+ 1.75	+ 3.33	+ 1.44	+ 0.06	+ 0.18	+ 0.34	+ 2.51
5143	+ 0.16	- 0.08	- 0.20	+ 0.46	+ 0.39	+ 0.71	- 0.08	- 0.18	+ 4.09	+ 0.82
5144	- 0.11	- 0.02	- 0.03	+ 0.85	- 0.65	- 0.79	+ 0.05	+ 0.07	- 0.16	- 1.41
5145	- 0.23	+ 0.63	+ 1.16	+ 1.04	- 0.56	- 0.54	+ 0.21	+ 0.24	- 2.92	- 0.45
3036	+ 0.28	- 0.74	- 0.94	- 1.07	+ 0.98	- 0.12	+ 0.21	+ 0.28	- 0.23	- 0.15
5146	+ 0.71	- 0.70	- 1.13	+ 1.32	+ 1.15	- 0.21	+ 0.22	+ 0.36	- 1.09	- 0.27
5147	- 0.81	+ 0.60	+ 1.03	- 1.49	- 1.41	- 0.50	+ 0.09	+ 0.14	+ 0.11	- 0.92
5148	+ 0.25	- 0.64	- 1.26	+ 2.50	- 0.05	- 1.29	+ 0.75	+ 1.09	- 2.00	- 1.85
5149	- 0.37	+ 0.38	+ 0.79	- 0.07	- 0.91	+ 0.00	- 0.10	- 0.22	+ 0.02	+ 0.08
3040	- 0.08	- 0.02	- 0.12	+ 1.57	- 0.60	- 0.35	+ 0.07	+ 0.27	+ 2.64	- 2.26

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
3008	1.06	0.54	0.56	3.61	1.78	1.16	0.58	0.60	4.22	2.33	0.95	0.33	1.68	0.80	0.86	
3013	0.78	0.63	0.67	1.61	0.97	0.86	0.51	0.53	1.82	1.17	2.50	2.92	0.67	1.41	0.75	t
5116	1.12	0.83	0.91	3.46	1.64	1.12	0.57	0.59	3.61	1.83	0.96	0.32		0.70	0.75	
5117	1.10	0.90	1.01	3.49	1.88	1.01	0.59	0.63	3.41	1.97	1.72	0.86		0.95	2.05	
5118	0.99	0.74	0.80	2.68	1.34	0.91	0.56	0.59	2.63	1.21	2.33	2.73	1.93	0.82	1.57	
3014	0.58	0.78	0.82	1.04	0.63	0.61	0.58	0.60	1.23	0.68	0.93	1.73	1.20	0.54	0.59	
5119	1.01	0.93	1.00	2.94	1.19	1.09	0.66	0.68	3.21	1.32	1.49	0.88	0.44	1.05	0.70	t
3015	1.06	0.38	0.39	4.90	2.26	1.13	0.45	0.46	4.81	2.99	0.59	0.53	0.89	0.43	0.94	t 3013
5120	0.94	1.05	1.28	2.82	1.14	0.88	0.73	0.80	2.82	1.09	0.33	1.30		1.12	1.36	
5121	1.00	0.75	0.82	2.86	1.47	0.93	0.61	0.65	2.62	1.33	2.99	1.42	2.35	2.31	1.31	
5122	0.83	0.89	0.97	2.30	0.93	1.08	0.71	0.75	2.62	1.36	2.81	2.68	2.19	1.46	1.79	
3016	1.10	0.72	0.77	4.48	1.91	1.11	0.50	0.51	4.71	2.42	1.06	1.89	1.75	0.79	0.59	
5123	1.24	0.72	0.76	4.69	1.81	1.36	0.76	0.79	5.23	2.19	2.30	3.24		2.21	1.35	
5124	0.52	0.65	0.69	1.58	0.52	0.63	0.54	0.56	1.93	0.67	2.95	1.35	1.97	2.45	0.91	
3017	0.58	0.49	0.51	1.19	0.68	0.76	0.48	0.50	2.05	0.91	0.40	1.28	1.35	0.81	1.70	t
5127	0.89	0.96	1.26	2.80	1.13	0.82	0.76	0.92	2.82	1.08	0.07	3.72		3.63	1.56	
5128	0.96	0.83	0.94	2.89	1.32	0.92	0.79	0.89	2.91	1.21	1.28	0.69		1.31	0.23	t
5129	1.12	0.59	0.61	3.43	1.94	1.08	0.52	0.54	3.34	1.84	1.12	1.32	1.02	0.70	1.32	
5130	0.97	0.85	0.99	2.31	1.57	0.84	0.75	0.87	2.33	1.17	0.93	1.82	1.14	0.60	1.16	
5131	0.87	0.57	0.59	2.57	1.03	0.76	0.58	0.60	2.52	0.85	3.09	0.57	2.60	2.84	1.18	
3020	0.61	0.48	0.51	1.48	0.73	0.83	0.46	0.48	2.03	1.17	5.58	0.94	3.20	4.83	0.28	
3019	0.94	0.62	0.64	2.05	1.08	0.88	0.57	0.59	1.83	1.05	1.87	1.19	1.73	2.25	1.77	
5133	0.80	0.86	1.06	2.73	0.98	0.76	0.56	0.60	2.72	0.97	2.60	1.95	1.20	1.78	2.29	
3021	1.10	0.73	0.75	2.20	1.22	1.25	0.63	0.64	2.41	1.55	1.65	1.43	0.61	2.19	0.32	t
3022	0.71	0.75	0.82	1.34	0.87	0.78	0.49	0.51	1.52	1.00	1.99	3.06	0.46	2.56	0.98	t
5134	0.77	0.74	0.85	3.11	0.94	0.81	0.60	0.65	3.53	1.04	3.13	1.75		2.14	0.78	
5136	0.63	0.65	1.08	1.87	0.85	0.55	0.53	0.68	2.22	0.93	0.94	2.08		1.57	0.63	t
5137	0.77	0.84	1.31	2.45	0.99	0.83	0.79	1.09	2.72	1.26	0.83	0.59		0.18	0.23	
3024	1.08	0.48	0.49	2.30	1.46	1.04	0.46	0.47	2.42	1.34	1.57	1.68	0.41	2.08	1.12	t
3026	1.17	0.91	0.96	2.84	1.33	1.34	0.64	0.66	3.11	1.70	0.30	0.67	0.67	0.31	0.54	
5138	0.78	0.70	0.79	3.08	0.94	0.88	0.73	0.82	3.52	1.15	1.31	1.16		1.18	0.56	
5139	0.98	1.15	1.27	3.16	1.05	1.09	0.81	0.87	3.71	1.19	0.84	0.45	0.29	0.70	0.62	
5140	0.94	0.60	0.64	3.45	1.44	0.90	0.54	0.57	3.22	1.37	0.22	3.67	0.85	1.40	0.18	
3027	1.00	0.76	0.80	2.27	1.10	1.19	0.57	0.58	2.61	1.55	0.36	1.87	0.80	1.19	0.29	
3028	1.00	0.78	0.86	2.98	1.50	1.00	0.51	0.53	3.21	1.75	0.92	1.35	0.27	0.28	0.55	
3030	0.76	0.49	0.51	1.76	0.99	0.94	0.44	0.45	2.62	1.40	0.41	1.34	1.97	0.30	0.75	t
3029	0.98	0.51	0.53	2.55	1.41	1.00	0.39	0.40	2.72	1.47	0.76	0.31	0.73	0.51	0.82	
3031	1.16	0.70	0.74	3.90	1.77	1.13	0.41	0.42	4.01	1.80	0.19	1.34	1.24	0.58	2.08	
3032	0.53	0.72	0.85	1.09	0.62	0.58	0.60	0.69	1.52	0.67	2.32	2.45	1.74	1.88	0.27	
3033	0.63	0.62	0.67	1.33	0.77	0.70	0.42	0.44	1.82	0.86	2.18	0.20	2.93	2.16	0.16	t
5142	0.79	0.74	0.83	2.12	0.97	0.86	0.53	0.57	2.42	1.12	1.76	5.00	2.25	1.06	1.83	
5143	1.01	0.83	0.93	2.71	1.48	1.00	0.46	0.47	2.82	1.66	1.51	0.67	1.35	1.00	1.11	
5144	1.31	0.67	0.69	2.66	1.87	1.20	0.36	0.37	2.71	1.59	0.33	0.97	1.32	0.61	1.30	
5145	0.50	0.79	1.00	1.70	0.55	0.57	0.48	0.52	1.83	0.67	1.67	1.87	0.08	1.56	0.84	
3036	0.67	0.80	0.87	1.32	0.74	0.77	0.52	0.54	1.51	0.93	0.33	1.69	0.61	1.35	0.45	
5146	0.95	0.89	0.99	3.09	1.11	0.95	0.60	0.63	3.51	1.11	1.56	0.85		0.23	0.86	
5147	0.80	0.72	0.80	3.10	0.95	0.88	0.59	0.63	3.51	1.10	0.79	2.19	1.43	0.28	1.17	
5148	0.91	1.18	1.45	2.11	1.09	0.88	0.68	0.72	2.32	1.06	2.37	1.93		1.08	1.25	
5149	0.64	0.63	0.74	1.86	0.81	0.65	0.43	0.47	2.12	0.85	0.44	1.55	0.75	0.41	1.01	t
3040	0.93	0.78	0.91	3.06	1.47	0.91	0.63	0.69	3.51	1.63	0.86	1.50	0.55	1.42	0.71	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3041	63647	BX		13 2 40.422718	+ 59 42 58.69764	- 28.91	- 10.14
5151	63666	FX		13 2 54.069261	+ 51 2 20.82404	+ 17.09	- 11.31
5152	63677	FX		13 2 59.455196	+ 22 38 15.15892	- 36.18	- 18.29
5153	63683	FX		13 3 2.530408	- 19 4 39.21510	- 63.90	- 31.97
5154	63711	FX		13 3 23.413776	- 46 1 45.47675	- 9.05	+ 19.41
5155	63751	FX		13 3 55.915871	- 24 31 1.97019	- 26.31	+ 29.77
5157	63804	FX		13 4 39.303013	+ 39 19 24.57216	- 54.30	- 0.33
3042	63849	RS		13 5 6.658420	- 47 7 0.87675	- 46.41	- 34.19
3043	63915	BX		13 5 51.654911	- 14 6 42.98488	- 35.31	- 22.40
3044	63972	RS		13 6 35.081971	- 41 35 18.39401	+ 44.34	- 14.61
5159	64021	FX		13 7 9.754052	+ 28 42 45.67418	- 21.17	+ 5.96
3045	64022	RS	41 Com	13 7 10.729877	+ 27 37 29.06264	+ 33.46	- 68.77
5160	64024	FX		13 7 11.978729	+ 70 6 23.98875	- 6.67	- 7.31
5161	64055	FX		13 7 39.023716	- 30 26 5.75066	+ 24.70	- 12.94
3046	64122	BX		13 8 32.467028	- 8 59 3.78187	- 35.53	- 63.64
3047	64150	BX		13 8 51.022070	+ 5 12 26.08698	+ 82.53	- 667.75
5163	64162	FX		13 9 0.793624	- 33 30 5.56151	- 9.99	- 5.49
3049	64226	RS		13 9 47.847207	+ 16 50 55.00987	- 66.09	- 14.37
3050	64231	BX		13 9 50.176692	+ 62 13 44.84207	- 27.57	- 7.96
5164	64391	FX		13 11 52.354896	- 52 48 44.23279	- 26.23	+ 2.53
3051	64408	BX		13 12 3.184312	- 37 48 10.87931	- 382.62	+ 46.92
3053	64445	RS		13 12 32.920048	+ 11 33 21.95122	- 52.97	- 29.91
5166	64502	FX		13 13 14.120294	+ 46 29 38.23797	- 171.00	- 11.94
3057	64527	BX		13 13 31.981151	+ 72 47 56.75424	+ 16.86	- 13.92
5167	64566	FX		13 14 3.617890	+ 9 46 26.31023	+ 22.39	+ 25.05
3055	64580	RS		13 14 12.087722	- 58 41 2.17082	- 55.25	- 11.57
3054	64587	BX		13 14 17.331310	- 78 26 50.83742	- 8.65	- 4.08
5168	64655	FX		13 15 11.480451	+ 84 45 7.72254	- 130.99	+ 17.61
5169	64699	FX		13 15 37.327868	- 41 8 28.63922	- 22.24	+ 2.12
5170	64755	FX		13 16 16.173253	+ 15 1 27.11125	- 83.94	- 43.11
3058	64769	RS		13 16 25.483377	- 1 23 25.94470	- 33.66	- 31.02
3060	64774	RS		13 16 28.633586	+ 68 24 28.80216	- 13.92	+ 16.24
5172	64865	FX		13 17 44.105056	- 8 43 59.76803	+ 14.36	- 51.18
3063	64906	BX	21 CVn	13 18 14.509882	+ 49 40 55.41251	- 33.88	+ 18.06
3062	64920	RS		13 18 23.410746	- 28 19 57.06977	- 75.73	- 85.78
5173	64939	FX		13 18 41.756054	+ 7 11 11.56653	- 165.85	+ 51.58
5175	64968	FX		13 18 58.273180	- 1 16 10.06669	- 100.84	- 48.96
3064	64979	BX		13 19 4.251767	+ 35 7 40.72392	- 29.48	+ 17.85
5176	64981	FX		13 19 4.722667	- 20 0 12.64287	+ 17.71	- 4.48
3061	64994	RS		13 19 18.982403	- 72 2 8.16920	- 5.88	- 51.32
5177	65076	FX		13 20 21.737283	+ 65 6 21.79377	+ 6.82	+ 9.81
5178	65091	FX		13 20 26.789782	+ 43 6 40.20062	- 424.98	- 88.13
3065	65129	RS		13 20 48.339205	- 55 48 2.47842	- 3.81	+ 3.94
5179	65131	FX		13 20 49.079459	+ 53 51 34.06643	+ 2.26	- 4.38
5180	65165	FX		13 21 12.008130	+ 61 5 5.29658	- 283.73	+ 37.54
5181	65210	FX		13 21 50.148950	+ 39 22 51.70982	- 9.78	- 2.47
3068	65303	BX		13 23 2.599879	- 48 33 46.04991	- 8.96	- 2.41
5182	65321	FX		13 23 16.179639	- 60 13 37.97663	- 11.21	- 9.84
3069	65323	RS	65 Vir	13 23 18.893499	- 4 55 27.94059	- 20.03	- 16.33
3072	65466	RS		13 25 6.677695	+ 23 51 15.90798	- 11.20	- 7.96

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3041	91.45	0.45	0.41	91.30	0.44	0.42	5.30	0.55	H	- 23.	6.50		29	2	
5151	91.48	0.71	0.66	91.26	0.66	0.60	4.22	0.99	H		8.31		13		
5152	91.26	0.68	0.56	91.17	0.58	0.47	6.59	0.90	H	- 11.7	6.92		11	1	3
5153	90.92	0.93	0.75	91.13	0.60	0.52	8.46	1.03	H		7.80		31		
5154	91.28	0.82	0.79	91.10	0.76	0.62	5.49	1.13	H		8.40		11	1	3
5155	90.97	0.78	0.71	90.91	0.57	0.49	2.69	0.93	H		7.51		15	1	3
5157	91.63	0.63	0.65	91.01	0.58	0.50	3.64	0.97	H		7.72		31		
3042	91.43	0.59	0.49	90.95	0.50	0.47	8.96	0.78	H	- 8.	6.44	1	21	2	
3043	91.10	0.79	0.44	91.05	0.60	0.46	2.13	0.91	H		7.18		31		
3044	91.30	0.55	0.50	91.28	0.45	0.40	9.62	0.74	H	+ 1.9	5.59		11	1	3
5159	91.16	0.94	0.86	91.67	0.80	0.71	2.09	0.48	P	- 16.4	8.40		31		
3045	91.38	0.55	0.40	91.55	0.50	0.39	10.75	0.75	H	- 15.9	4.80		29	2	
5160	91.23	0.71	0.63	91.28	0.74	0.63	4.47	0.87	H		9.17		11	1	3
5161	91.09	0.80	0.85	91.40	0.51	0.53	9.25	1.00	H		7.65		11	1	3
3046	91.31	0.73	0.51	91.46	0.62	0.60	8.78	0.84	H	+ 16.	5.57		19	1	1
3047	91.19	0.76	0.47	91.36	0.56	0.46	38.07	0.88	H	+ 23.0	6.78		21	2	
5163	91.03	0.76	0.65	90.86	0.60	0.69	6.46	0.92	H		7.17		15	1	3
3049	91.32	0.79	0.45	91.68	0.65	0.41	4.45	1.00	H	- 17.	5.91	1	31		
3050	91.45	0.43	0.35	91.28	0.45	0.40	4.51	0.54	H	- 16.7	6.52		35		
5164	91.22	0.51	0.47	91.43	0.65	0.62	2.52	0.84	H		7.02	2	23	2	
3051	91.37	0.56	0.65	91.01	0.53	0.56	48.83	0.79	H	- 13.1	4.85		11	1	3
3053	91.63	0.68	0.50	91.54	0.52	0.48	4.02	0.80	H	+ 24.6	5.76		21	2	
5166	91.23	0.66	0.63	91.23	0.62	0.55	11.54	0.94	H		8.41		21	2	
3057	91.21	0.48	0.48	91.20	0.43	0.40	11.36	0.52	H	+ 2.	6.57		18		
5167	91.38	0.99	0.72	91.54	0.69	0.54	10.86	1.31	H		8.59		11	1	3
3055	91.25	0.46	0.54	91.59	0.42	0.47	9.49	0.74	H	- 1.8	5.91		11	1	3
3054	91.15	0.47	0.48	91.20	0.47	0.49	1.41	0.33	P	- 18.1	5.84		21	2	
5168	91.14	0.46	0.51	91.10	0.46	0.48	18.64	0.53	H	+ 9.0	7.27		31		
5169	91.30	0.68	0.65	91.12	0.61	0.57	3.83	0.88	P		7.85		11	1	3
5170	91.26	0.88	0.75	90.89	0.74	0.68	6.43	1.09	H	- 36.2	8.27		11	1	3
3058	91.09	0.69	0.56	91.11	0.49	0.52	8.21	0.85	H	- 14.4	6.69	1	11	1	3
3060	91.45	0.46	0.43	91.13	0.45	0.49	7.12	0.54	H	- 7.4	6.20		19	1	1
5172	91.45	0.84	0.59	90.97	0.44	0.41	10.21	0.91	H		7.25		31		
3063	91.05	0.46	0.48	91.07	0.44	0.42	11.85	0.63	H	- 2.9	5.14		21	2	
3062	91.11	0.98	1.07	91.06	0.67	0.72	5.52	1.01	H	+152.2	6.80		31		
5173	91.52	0.89	0.69	91.69	0.64	0.55	13.37	1.09	H		8.44		31		
5175	91.13	0.96	0.58	90.81	0.73	0.60	5.21	1.20	H		8.63		11	1	3
3064	91.26	0.62	0.49	90.88	0.38	0.43	15.34	0.74	H	- 2.0	6.01		35		
5176	91.19	0.69	0.66	91.48	0.47	0.47	5.00	0.80	H		7.61		11	1	3
3061	91.10	0.44	0.52	91.04	0.47	0.50	7.33	0.59	H	- 31.3	6.04		31		
5177	91.14	0.65	0.58	91.08	0.64	0.58	4.38	0.78	H		8.67		35		
5178	91.13	0.55	0.54	91.17	0.60	0.52	29.08	0.95	H	- 39.	8.12		11	1	3
3065	91.27	0.46	0.45	91.36	0.55	0.57	.50	0.12	P	- 3.	6.00	2	11	1	3
5179	91.04	0.79	0.71	91.01	0.73	0.65	3.80	0.98	H		9.08		11	1	3
5180	91.42	0.63	0.59	91.29	0.68	0.63	25.29	0.82	H		8.48		31		
5181	91.50	0.77	0.67	91.04	0.60	0.57	4.20	0.58	P	- 22.3	8.74		31		
3068	91.25	0.53	0.52	91.48	0.47	0.40	2.40	0.33	P	- 41.	6.37		11	1	3
5182	91.38	0.61	0.72	91.54	0.62	0.64	4.92	1.12	H		8.06		11	1	3
3069	91.46	0.76	0.52	91.08	0.51	0.46	2.81	0.86	H	+ 9.8	5.88		11	1	3
3072	91.25	0.63	0.69	90.90	0.51	0.56	12.82	0.88	H	- 1.5	5.75		19	1	1

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3041	+ 1.04	- 0.41	- 0.56	- 0.13	+ 1.86	- 1.19	+ 0.25	+ 0.39	- 7.10	+ 0.96
5151	+ 0.11	- 0.07	- 0.14	- 3.85	+ 0.67	- 0.13	+ 0.05	+ 0.10	- 6.15	+ 0.27
5152	+ 0.50	- 0.79	- 1.21	+ 1.29	+ 0.74	- 0.17	+ 0.27	+ 0.42	- 1.07	- 0.23
5153	+ 1.51	- 0.67	- 1.21	+ 0.99	+ 3.24	- 0.49	+ 0.14	+ 0.24	- 0.04	- 0.93
5154	+ 0.82	- 0.31	- 0.75	+ 0.51	+ 2.63	- 0.07	+ 0.03	+ 0.08	+ 0.42	- 0.40
5155	- 0.08	+ 0.04	+ 0.14	- 0.87	- 0.17	+ 0.24	- 0.03	- 0.11	+ 5.84	- 1.00
5157	+ 0.01	- 0.07	- 0.13	- 7.18	+ 0.93	+ 0.33	- 0.12	- 0.22	- 2.49	+ 1.15
3042	- 3.29	+ 0.29	+ 0.54	- 6.34	- 6.48	- 1.60	+ 0.07	+ 0.15	- 0.17	- 4.27
3043	- 0.07	- 0.15	- 0.52	+ 0.28	- 0.16	- 0.69	+ 0.65	+ 1.35	+ 0.33	- 1.73
3044	+ 0.24	- 0.06	- 0.08	+ 0.11	+ 0.45	- 0.11	+ 0.01	+ 0.02	- 1.84	+ 0.38
5159	+ 0.26	- 0.47	- 2.24	+ 5.54	+ 0.84	- 0.49	+ 0.32	+ 1.20	+ 2.93	- 2.29
3045	- 0.10	- 0.15	- 0.19	- 1.32	+ 0.51	- 0.56	+ 0.48	+ 0.56	- 2.09	- 0.20
5160	- 0.36	+ 0.20	+ 0.39	+ 1.76	- 1.07	+ 0.83	- 0.29	- 0.62	+ 6.64	+ 1.04
5161	- 0.12	+ 0.23	+ 0.44	- 0.09	- 0.36	+ 0.60	- 0.16	- 0.28	+ 2.47	+ 0.64
3046	+ 0.46	- 0.53	- 0.68	+ 2.83	- 0.12	+ 0.62	- 0.41	- 0.55	- 0.30	+ 1.23
3047	+ 0.04	+ 1.68	+ 1.99	+ 1.41	- 0.81	+ 1.15	- 1.94	- 2.20	- 8.24	+ 4.84
5163	- 0.36	+ 0.15	+ 0.28	- 1.03	- 0.57	+ 0.07	- 0.07	- 0.15	- 0.83	+ 0.41
3049	+ 0.05	+ 0.26	+ 0.51	- 2.02	+ 0.66	+ 0.70	- 0.70	- 1.02	+ 2.62	+ 0.60
3050	- 0.57	+ 0.39	+ 0.50	- 2.30	- 0.30	+ 0.21	- 0.12	- 0.17	- 0.05	+ 0.43
5164	+ 0.08	- 0.01	- 0.02	+ 0.82	+ 0.12	- 0.38	+ 0.09	+ 0.30	- 7.52	+ 0.12
3051	- 0.66	+ 0.14	+ 0.18	- 3.45	+ 0.33	- 0.63	+ 0.09	+ 0.10	+ 0.23	- 1.20
3053	- 1.10	+ 1.44	+ 2.29	+ 2.40	- 2.54	- 0.74	- 0.40	- 0.66	- 3.14	- 0.38
5166	+ 2.25	- 1.55	- 2.11	+ 3.93	+ 3.02	- 2.95	+ 0.98	+ 1.31	- 5.59	- 3.80
3057	- 0.06	+ 0.19	+ 0.23	+ 0.68	- 0.35	+ 0.79	- 0.35	- 0.41	- 1.97	+ 1.82
5167	+ 0.27	- 0.06	- 0.03	- 2.38	+ 0.78	+ 1.03	- 0.56	- 0.74	+ 0.24	+ 1.51
3055	+ 0.22	- 0.02	- 0.05	+ 4.10	- 0.36	+ 0.76	- 0.05	- 0.10	- 1.28	+ 2.37
3054	- 0.16	+ 0.06	+ 0.24	- 3.40	+ 0.53	- 0.37	+ 0.10	+ 0.36	+ 5.15	- 3.62
5168	- 0.69	+ 0.11	+ 0.15	- 8.08	+ 0.28	- 0.11	- 0.01	- 0.02	- 6.22	+ 0.91
5169	- 0.73	+ 0.25	+ 0.63	- 4.44	- 0.69	+ 0.33	- 0.16	- 0.36	+ 0.34	+ 0.80
5170	+ 0.75	- 0.45	- 0.86	- 0.41	+ 1.71	+ 0.46	- 0.06	- 0.01	- 2.07	+ 1.21
3058	+ 0.04	- 0.02	- 0.03	- 0.59	+ 0.21	+ 0.06	+ 0.00	+ 0.00	+ 1.22	- 0.19
3060	+ 0.45	- 0.13	- 0.18	+ 1.45	+ 0.26	- 0.10	+ 0.01	+ 0.02	- 1.00	+ 0.08
5172	- 0.19	+ 0.27	+ 0.38	- 1.05	- 0.14	- 0.54	+ 0.16	+ 0.19	- 6.21	+ 0.06
3063	- 0.65	+ 0.46	+ 0.54	+ 0.24	- 1.18	- 4.01	+ 1.11	+ 1.36	- 4.98	- 5.05
3062	- 0.13	+ 0.43	+ 1.42	+ 2.69	- 1.47	+ 0.06	+ 0.03	+ 0.12	+ 6.81	- 1.97
5173	+ 0.91	- 1.31	- 1.93	+ 3.84	+ 1.06	- 1.22	+ 0.83	+ 1.20	- 6.49	- 1.04
5175	+ 0.07	+ 0.24	+ 0.62	+ 2.91	- 0.57	+ 0.38	- 0.57	- 1.10	+ 0.28	+ 0.73
3064	+ 0.25	- 0.42	- 0.49	- 0.73	+ 1.00	+ 0.43	- 0.27	- 0.31	+ 0.27	+ 0.64
5176	- 0.86	+ 0.43	+ 0.92	- 1.24	- 2.05	+ 1.00	- 0.24	- 0.51	+ 6.17	+ 1.18
3061	- 1.23	+ 0.12	+ 0.24	- 3.81	- 1.98	+ 0.64	- 0.05	- 0.08	- 6.25	+ 3.34
5177	- 0.52	+ 0.28	+ 0.54	- 5.56	- 0.43	+ 0.57	- 0.25	- 0.50	+ 5.96	+ 0.48
5178	+ 0.12	- 0.07	- 0.09	+ 1.55	- 0.14	+ 0.21	- 0.12	- 0.14	- 1.58	+ 0.55
3065	+ 0.07	- 0.01	- 0.08	- 5.46	+ 2.87	- 0.04	+ 0.00	+ 0.08	- 0.25	- 1.84
5179	+ 0.00	+ 0.00	+ 0.01	+ 1.62	- 0.17	+ 0.04	- 0.02	- 0.05	- 0.07	+ 0.13
5180	- 0.04	+ 0.02	+ 0.03	+ 2.12	- 0.29	- 0.60	+ 0.17	+ 0.23	+10.65	- 2.29
5181	+ 0.53	- 0.33	- 0.68	- 2.46	+ 1.60	- 0.42	+ 0.14	+ 0.26	- 2.28	- 0.62
3068	- 0.18	+ 0.06	+ 0.16	+ 0.27	- 0.79	- 0.33	+ 0.05	+ 0.13	+ 2.49	- 1.85
5182	+ 0.67	- 0.04	- 0.13	- 1.26	+ 3.03	- 1.26	+ 0.15	+ 0.42	- 4.19	- 3.28
3069	- 0.18	+ 0.29	+ 0.53	+ 0.79	- 0.62	- 0.48	+ 0.13	+ 0.23	- 0.40	- 1.01
3072	- 0.78	+ 0.90	+ 1.25	- 0.22	- 1.49	- 0.20	- 0.06	- 0.10	- 0.86	+ 0.02

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
3041	0.73	0.46	0.48	1.92	0.85	0.82	0.45	0.47	1.64	1.15	4.39	2.53	1.32	4.13	1.00	t
5151	0.87	0.77	0.86	3.34	1.09	0.88	0.67	0.73	3.82	1.13	0.59	1.93		2.06	0.51	t
5152	0.70	0.79	0.89	2.95	0.76	0.78	0.55	0.59	3.21	0.90	0.92	1.71	2.05	0.31	1.36	
5153	1.15	0.84	0.90	3.15	1.54	1.05	0.55	0.57	3.21	1.36	2.60	0.68		0.69	1.34	
5154	1.16	0.85	0.93	2.85	1.81	1.09	0.65	0.68	2.73	1.73	0.44	1.68	1.44	0.68	2.16	
5155	1.02	0.73	0.79	3.04	1.92	0.95	0.50	0.52	3.11	1.91	1.91	0.48	0.66	1.88	1.26	t
5157	0.78	0.81	0.96	2.71	0.93	0.81	0.54	0.58	2.72	1.09	1.34	2.58		3.09	1.58	
3042	1.31	0.50	0.51	4.09	1.88	1.37	0.47	0.48	4.31	2.15	1.67	4.13	2.93	0.85	5.69	
3043	0.49	0.65	0.83	1.07	0.61	0.58	0.57	0.67	1.62	0.73	0.80	3.10	2.00	1.21	0.27	
3044	1.05	0.53	0.55	2.49	1.36	1.09	0.41	0.42	2.62	1.47	0.71	0.43	0.75	0.75	1.03	
5159	0.92	1.00	1.39	3.58	1.16	0.88	0.76	0.89	3.91	1.24	2.77	2.08		1.78	0.97	
3045	0.54	0.61	0.64	0.97	0.62	0.57	0.53	0.55	1.22	0.64	2.28	1.11	3.52	2.10	0.65	t
5160	0.91	0.70	0.77	3.25	1.17	0.98	0.68	0.73	3.44	1.35	1.49	2.10		1.72	0.55	
5161	1.15	1.01	1.13	3.01	1.50	1.13	0.58	0.62	3.11	1.51	0.88	0.66	0.93	0.53	0.25	
3046	0.64	0.85	0.95	1.37	0.69	0.80	0.82	0.91	1.71	0.97	2.14	1.57	1.10	2.08	1.27	t
3047	0.63	0.87	0.92	1.10	0.67	0.71	0.67	0.70	1.42	0.77	3.96	6.78	1.02	8.30	1.87	
5163	1.02	0.72	0.77	2.68	1.40	1.04	0.77	0.83	2.82	1.41	0.53	0.61	0.84	0.42	0.27	t
3049	0.54	0.71	0.82	1.18	0.64	0.56	0.56	0.62	1.42	0.64	2.81	1.92	2.25	2.39	0.98	
3050	0.54	0.44	0.46	1.24	0.62	0.69	0.45	0.47	1.64	0.87	2.12	1.19	2.90	1.46	1.23	t
5164	0.89	0.48	0.50	3.30	1.59	0.94	0.64	0.69	3.33	1.60	2.32	0.13	2.51	2.08	3.48	t
3051	1.15	0.78	0.81	2.27	1.36	1.16	0.64	0.66	2.31	1.43	1.50	0.82	0.47	1.52	0.98	t 3014
3053	0.65	0.68	0.77	1.93	0.73	0.90	0.53	0.57	2.41	1.32	1.00	4.58	0.62	2.60	0.79	
5166	0.91	0.78	0.83	3.03	1.02	0.96	0.62	0.64	3.22	1.11	5.65	2.85		0.60	4.68	
3057	0.68	0.66	0.69	1.44	0.76	0.74	0.47	0.48	1.65	0.86	0.94	2.31	1.34	2.13	1.86	t
5167	0.85	1.11	1.30	2.41	0.94	0.84	0.69	0.74	2.52	0.94	2.11	0.92		1.31	0.77	
3055	1.49	0.55	0.56	5.00	2.45	1.43	0.47	0.48	4.81	2.24	0.86	1.09	0.41	1.06	1.03	
3054	0.71	0.50	0.54	2.03	1.30	0.73	0.50	0.54	2.34	1.34	2.67	2.77	1.37	3.63	0.79	
5168	1.19	0.54	0.55	3.54	1.43	1.06	0.52	0.53	3.08	1.25	3.04	0.69	1.47	3.06	0.38	
5169	0.99	0.69	0.75	2.42	1.62	0.87	0.62	0.67	2.43	1.23	1.09	2.01		1.30	0.86	
5170	0.99	0.91	1.04	2.93	1.25	0.95	0.81	0.92	2.82	1.19	1.94	0.70		1.26	2.16	
3058	0.86	0.67	0.72	2.27	1.01	1.01	0.58	0.61	2.71	1.30	0.49	0.22	1.68	0.57	0.26	t
3060	0.81	0.47	0.49	1.65	1.04	1.09	0.51	0.52	2.83	1.57	1.01	0.39	1.33	0.70	1.31	t
5172	0.69	0.96	1.08	2.13	0.74	0.73	0.48	0.50	2.32	0.81	2.78	0.44	0.52	2.58	0.98	
3063	0.73	0.61	0.63	1.50	0.84	0.85	0.46	0.47	1.83	1.03	3.37	5.94	4.17	0.83	0.68	t
3062	1.15	1.40	1.98	2.79	1.43	1.09	0.78	0.85	2.91	1.58	2.23	1.59	1.21	2.97	0.61	
5173	0.93	0.92	1.00	3.01	1.04	1.00	0.65	0.69	3.12	1.16	2.97	2.44	2.63	1.86	2.10	
5175	0.66	0.89	1.11	1.71	0.77	0.73	0.84	1.03	2.12	0.85	1.44	1.34		1.86	0.18	
3064	0.69	0.69	0.72	1.14	0.81	0.71	0.54	0.55	1.22	0.87	0.47	1.67	2.86	1.27	0.52	t
5176	1.01	0.72	0.78	3.13	1.40	1.03	0.49	0.51	3.11	1.54	2.06	2.21		1.46	0.53	
3061	1.21	0.53	0.55	3.17	1.88	1.18	0.52	0.53	3.32	1.75	2.22	2.21	2.13	2.60	1.12	
5177	0.85	0.65	0.70	3.10	1.08	0.90	0.63	0.68	3.24	1.20	1.01	2.72		2.22	0.51	t
5178	0.88	0.65	0.67	2.24	0.98	0.90	0.62	0.64	2.52	0.99	0.90	0.59	1.81	1.05	0.64	
3065	0.62	0.45	0.46	4.98	2.22	0.71	0.57	0.58	4.91	2.93	1.08	1.45	1.38	1.55	0.82	
5179	0.81	0.89	1.09	3.06	0.97	0.92	0.72	0.79	3.43	1.24	0.17	0.50		0.56	0.36	
5180	1.14	0.65	0.67	3.97	1.28	1.26	0.69	0.71	4.23	1.47	2.49	1.55	0.29	2.95	1.90	
5181	0.89	0.77	0.86	3.05	1.13	0.87	0.62	0.67	3.22	1.13	1.75	0.95		1.34	2.62	
3068	0.82	0.55	0.59	2.21	1.34	0.80	0.41	0.43	2.42	1.32	0.96	1.55	0.61	1.63	0.82	
5182	1.23	0.75	0.79	3.77	2.18	1.19	0.66	0.69	3.53	2.07	1.31	2.22	1.42	1.01	0.85	
3069	0.60	0.74	0.92	1.52	0.71	0.70	0.52	0.57	1.71	0.97	0.37	1.59	1.30	0.90	0.62	
3072	0.95	0.92	1.00	2.08	1.10	1.03	0.63	0.65	2.11	1.35	0.73	1.84	0.38	0.64	0.85	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3070	65468	BX	ι^1 Mus	13 25 7.117 991	- 74 53 16.147 31	- 108.34	- 132.21
5183	65515	FX		13 25 45.531 585	+ 56 58 13.777 59	- 217.93	+ 11.39
5184	65544	FX		13 26 10.467 354	+ 20 48 43.491 65	+ 54.61	- 43.85
3074	65545	BX		13 26 11.415 566	- 1 11 32.904 54	- 111.88	+ 4.23
3075	65595	RS		13 26 56.802 646	+ 78 38 37.928 83	- 140.77	+ 30.24
5185	65661	FX	71 Vir	13 27 44.948 596	+ 24 24 15.283 62	+ 21.01	- 27.18
5186	65672	FX		13 27 55.485 823	+ 81 15 54.998 67	- 6.01	+ 18.10
5187	65726	FX		13 28 26.639 909	- 25 12 46.190 70	- 45.57	+ 1.11
5188	65735	FX		13 28 28.468 883	- 9 44 36.779 16	- 9.37	+ 19.88
3076	65790	RS		13 29 13.000 197	+ 10 49 5.917 34	- 60.68	- 35.27
5189	65824	FX	74 Vir	13 29 38.413 600	- 52 45 26.460 48	- 25.52	+ 4.22
5190	65837	FX		13 29 44.514 893	+ 37 36 4.789 28	- 0.25	- 26.57
3077	65862	BX		13 30 0.080 945	+ 7 10 43.871 60	+ 3.58	+ 4.87
5191	65872	FX		13 30 6.490 000	- 56 40 28.449 46	- 15.27	- 13.84
3079	66006	RS		13 31 57.884 920	- 6 15 20.942 37	- 104.14	- 43.87
5193	66044	FX	76 Vir	13 32 22.895 568	+ 34 53 17.122 35	+ 13.08	- 27.28
3080	66065	BX		13 32 35.897 612	- 28 41 33.962 89	- 96.91	- 21.84
3081	66098	RS		13 32 58.073 090	- 10 9 53.998 76	- 30.51	- 37.85
5195	66116	FX		13 33 13.149 912	+ 47 45 31.430 46	+ 20.41	- 38.68
5196	66202	FX		13 34 10.035 858	+ 75 47 51.399 24	+ 14.60	- 2.88
3083	66234	RS	24 CVn	13 34 27.259 548	+ 49 0 57.502 25	- 128.07	+ 27.48
3082	66254	RS		13 34 43.576 481	- 33 18 39.075 86	- 52.21	- 12.12
5197	66288	FX		13 35 9.852 881	+ 11 57 58.262 31	- 41.46	- 55.74
5198	66345	FX		13 35 52.058 908	+ 8 17 34.006 58	- 41.79	+ 7.20
3085	66417	RS		13 36 59.083 113	+ 24 36 47.870 01	- 25.79	- 2.36
3084	66427	RS	83 UMa	13 37 6.010 541	- 44 8 35.533 36	- 50.93	- 14.35
5199	66446	FX		13 37 15.763 467	+ 4 25 3.418 93	- 68.78	+ 25.26
5200	66460	FX		13 37 30.336 182	- 0 13 17.362 89	+ 3.46	+ 6.26
5201	66482	FX		13 37 46.957 768	- 3 14 9.647 91	+ 5.69	- 24.97
5202	66516	FX		13 38 3.782 081	+ 50 57 35.974 23	- 1.84	+ 2.42
5203	66520	FX	83 UMa	13 38 5.582 338	+ 66 36 22.880 01	+ 15.60	+ 5.72
5204	66525	FX		13 38 9.612 203	- 19 11 19.459 52	- 20.61	- 10.00
5205	66535	FX		13 38 19.803 833	- 9 5 29.692 62	- 7.30	- 0.43
3086	66574	BX		13 38 45.716 540	- 70 26 41.383 29	- 65.76	- 31.29
5206	66592	FX		13 39 1.559 581	- 24 51 45.616 37	- 40.23	- 26.78
5208	66660	FX	83 UMa	13 39 56.723 534	- 83 54 29.961 00	+ 88.95	+ 14.91
5209	66663	FX		13 39 58.519 037	- 16 26 47.531 25	- 3.63	- 9.04
3087	66738	BX		13 40 44.272 865	+ 54 40 53.881 24	- 19.48	- 11.45
5210	66778	FX		13 41 12.022 382	- 42 30 8.558 62	- 0.08	+ 5.03
3088	66798	BX		13 41 29.892 414	+ 64 49 20.682 06	+ 55.02	- 11.52
5212	66895	FX	83 UMa	13 42 32.759 814	+ 15 8 49.297 69	+ 21.41	- 19.68
3090	66903	RS		13 42 39.203 002	+ 78 3 51.974 98	- 64.16	+ 45.98
5214	67003	FX		13 43 52.959 535	- 52 5 58.696 19	- 28.46	- 15.50
5215	67004	FX		13 43 54.237 316	- 5 29 56.167 29	- 52.42	- 14.52
5216	67098	FX		13 45 8.761 604	- 71 31 58.858 41	- 33.20	- 17.19
5217	67134	FX	83 UMa	13 45 31.360 977	+ 84 30 47.904 41	- 3.59	- 7.18
3094	67250	BX		13 46 59.774 983	+ 38 32 33.712 63	- 133.88	- 21.35
3093	67270	RS		13 47 13.191 052	- 19 15 20.826 15	- 57.66	- 12.86
3092	67292	RS		13 47 27.638 542	- 50 14 57.445 85	+ 58.87	+ 12.69
3095	67338	BX		13 48 5.109 179	+ 42 2 50.888 61	+ 22.43	- 56.59

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3070	91.20	0.38	0.38	91.10	0.42	0.47	14.51	0.51	H	+ 27.5	5.04		11	1	3
5183	91.39	0.54	0.56	91.14	0.57	0.54	45.76	0.72	H	- 13.1	7.29	1	11	1	3
5184	91.25	0.96	0.74	90.92	0.61	0.53	8.16	1.09	H		8.61		31		
3074	91.18	0.75	0.43	90.98	0.47	0.39	13.30	0.84	H	- 18.9	5.97		21	2	
3075	91.34	0.40	0.40	91.22	0.41	0.43	11.15	0.46	H	+ 15.1	5.74		31		
5185	91.38	0.74	0.89	91.10	0.63	0.60	5.78	1.10	H	- 16.7	8.65		11	1	3
5186	91.22	0.65	0.59	91.23	0.66	0.63	4.08	0.74	H		8.70		11	1	3
5187	90.84	0.80	0.67	90.80	0.53	0.47	10.17	0.84	H	- 34.	7.33		21	2	
5188	91.00	0.95	0.59	90.80	0.69	0.53	3.23	1.15	H		8.21		11	1	3
3076	91.11	0.66	0.48	91.15	0.40	0.33	11.99	0.77	H	+ 0.6	5.65		19	1	1
5189	91.35	0.57	0.47	91.27	0.53	0.48	6.00	0.81	H		7.38		11	1	3
5190	91.50	0.86	0.76	91.37	0.84	0.68	2.23	0.51	P		9.23		11	1	3
3077	90.97	0.63	0.44	90.77	0.47	0.43	4.06	0.84	H	- 3.4	6.18		11	1	3
5191	91.20	0.54	0.61	91.22	0.63	0.58	2.54	0.87	H		7.74		11	1	3
3079	91.17	0.61	0.44	90.89	0.39	0.37	7.55	0.66	H	+ 18.2	4.68	1	33		
5193	91.41	0.70	0.59	91.26	0.59	0.53	2.31	1.04	H		8.32		31		
3080	91.06	0.68	0.49	90.85	0.47	0.39	15.25	0.76	H	- 22.4	5.69		31		
3081	90.94	0.69	0.49	90.87	0.46	0.38	12.36	0.78	H	- 0.9	5.21		11	1	3
5195	91.30	0.60	0.65	91.16	0.60	0.59	4.83	0.83	H		7.47	1	21	2	
5196	91.47	0.57	0.54	91.33	0.58	0.57	4.28	0.66	H		7.84		31		
3083	91.01	0.43	0.37	91.00	0.46	0.39	17.12	0.61	H	- 18.3	4.68		19	1	1
3082	91.02	0.66	0.66	91.08	0.48	0.55	3.61	0.85	H	- 9.5	6.46		11	1	3
5197	91.01	0.86	0.65	90.89	0.66	0.61	2.03	1.10	H		8.50		11	1	3
5198	91.15	0.73	0.63	91.10	0.60	0.54	3.27	0.75	P	+ 23.1	6.93	2	23	2	
3085	91.29	0.67	0.60	90.97	0.45	0.45	6.45	0.78	H	- 33.5	5.72	1	33		
3084	91.25	0.56	0.54	91.20	0.47	0.49	8.66	0.76	H	+ 6.0	5.96		11	1	3
5199	91.19	0.82	0.67	91.02	0.70	0.60	8.47	1.11	H		8.64		11	1	3
5200	91.39	0.95	0.64	90.92	0.63	0.57	5.91	1.16	H	+ 14.7	8.77		11	1	3
5201	91.35	0.71	0.51	90.82	0.46	0.40	5.32	0.80	H		6.68		31		
5202	91.29	0.56	0.53	91.38	0.71	0.56	3.78	0.92	H		7.84		33		
5203	91.29	0.49	0.46	91.17	0.56	0.64	4.72	0.60	H	- 54.	7.87		11	1	3
5204	91.09	1.00	0.85	90.47	0.55	0.63	6.23	1.11	H		8.52		11	1	3
5205	91.16	1.11	0.72	90.98	0.63	0.52	- 73	1.21	H		9.08		13		
3086	91.20	0.39	0.44	91.28	0.47	0.47	7.44	0.58	H	+ 1.3	6.11		11	1	3
5206	90.96	0.85	0.82	90.50	0.45	0.54	4.88	0.90	H		7.52		11	1	3
5208	91.34	0.52	0.49	91.16	0.55	0.62	11.87	0.64	H		7.22		31		
5209	91.11	0.72	0.55	90.52	0.42	0.45	3.62	0.85	H		6.71		11	1	3
3087	91.47	0.46	0.39	91.38	0.57	0.45	5.94	0.67	H	- 17.1	4.63	1	13		
5210	91.30	0.87	0.64	91.00	0.72	0.56	3.86	0.89	P		8.58		11	1	3
3088	91.33	0.42	0.33	91.32	0.46	0.43	14.74	0.51	H	- 11.6	5.85		18		
5212	90.88	0.67	0.62	90.88	0.63	0.62	2.81	0.97	H		7.23		11	1	3
3090	91.40	0.41	0.38	91.39	0.45	0.48	10.24	0.49	H	- 7.4	5.91		29	2	
5214	91.20	0.66	0.57	91.04	0.64	0.63	5.60	0.99	H		7.69		11	1	3
5215	91.36	0.68	0.44	90.91	0.45	0.38	7.87	0.76	H	- 22.1	6.51		38		
5216	91.10	0.47	0.58	91.35	0.52	0.53	5.93	0.67	H		7.16		11	1	3
5217	91.21	0.51	0.55	91.25	0.59	0.68	2.90	0.61	H		7.73		11	1	3
3094	91.58	0.43	0.38	91.56	0.45	0.40	10.74	0.65	H	- 10.2	5.51		29	2	
3093	90.82	0.69	0.76	90.99	0.59	0.70	10.35	0.81	H		6.73		21	2	
3092	91.15	0.41	0.49	91.05	0.45	0.50	16.64	0.72	H	+ 16.1	5.92		11	1	3
3095	91.32	0.43	0.44	91.43	0.54	0.51	5.93	0.75	H	- 1.3	6.59		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3070	- 0.21	+ 0.05	+ 0.06	- 1.20	+ 0.15	- 0.45	+ 0.10	+ 0.13	- 0.20	- 0.74
5183	- 1.32	+ 0.44	+ 0.53	- 5.06	- 1.21	+ 0.49	- 0.15	- 0.18	+ 1.13	+ 0.54
5184	- 0.45	+ 0.96	+ 1.68	- 4.46	- 0.24	+ 1.53	- 0.85	- 1.27	+ 2.45	+ 2.19
3074	+ 0.97	- 2.25	- 2.69	+ 1.04	+ 1.26	- 0.41	+ 0.80	+ 0.97	- 1.78	- 0.14
3075	- 1.20	+ 0.34	+ 0.42	- 2.92	- 0.88	- 0.16	+ 0.03	+ 0.04	- 1.21	+ 0.01
5185	- 0.27	+ 0.13	+ 0.33	+ 0.46	- 0.96	+ 0.06	- 0.02	- 0.05	- 3.12	+ 0.84
5186	+ 0.59	- 0.33	- 0.62	+ 1.56	+ 1.06	- 0.10	+ 0.05	+ 0.10	+ 2.22	- 0.52
5187	- 0.21	- 0.14	- 0.23	+ 0.74	- 0.46	+ 2.92	- 1.40	- 1.76	+ 3.83	+ 3.71
5188	+ 0.03	- 0.15	- 0.37	- 1.19	+ 0.36	- 0.11	+ 0.13	+ 0.30	+ 1.88	- 0.58
3076	- 0.21	+ 0.27	+ 0.34	- 0.79	- 0.03	+ 0.90	- 0.21	- 0.25	+ 0.40	+ 1.40
5189	+ 0.58	- 0.05	- 0.10	+ 0.43	+ 1.39	- 0.92	+ 0.09	+ 0.19	- 5.98	- 0.70
5190	+ 0.42	- 0.43	- 1.48	+ 4.21	+ 1.10	- 0.16	+ 0.12	+ 0.36	+ 3.51	- 0.94
3077	+ 0.08	- 0.11	- 0.16	+ 0.12	+ 0.11	+ 0.03	+ 0.01	+ 0.02	- 1.64	+ 0.64
5191	+ 0.86	- 0.15	- 0.58	+ 3.95	+ 3.14	+ 0.32	- 0.05	- 0.20	+ 1.49	+ 1.33
3079	- 0.49	+ 0.31	+ 0.34	- 0.18	- 0.75	- 1.79	+ 0.36	+ 0.47	- 2.50	- 2.22
5193	+ 0.88	- 0.64	- 1.58	- 0.50	+ 2.53	+ 0.09	- 0.01	- 0.01	+ 0.49	+ 0.16
3080	- 0.52	+ 1.06	+ 1.27	+ 0.02	- 0.91	+ 0.58	- 0.31	- 0.34	- 1.38	+ 1.30
3081	+ 0.15	- 0.17	- 0.21	+ 0.92	- 0.09	+ 0.23	- 0.10	- 0.11	+ 0.80	+ 0.13
5195	- 0.16	+ 0.05	+ 0.12	- 2.49	+ 0.05	- 1.90	+ 0.42	+ 0.92	- 1.21	- 4.85
5196	- 0.03	- 0.07	- 0.15	+ 2.16	- 0.31	- 0.91	+ 0.38	+ 0.72	+ 4.45	- 2.53
3083	+ 0.13	- 0.19	- 0.21	+ 0.00	+ 0.22	+ 0.15	- 0.08	- 0.09	+ 0.98	- 0.10
3082	+ 0.13	- 0.03	- 0.12	+ 1.67	+ 0.32	- 0.40	+ 0.04	+ 0.15	+ 0.61	- 2.10
5197	- 0.05	+ 0.11	+ 0.41	- 3.06	+ 0.14	+ 0.46	- 0.26	- 0.77	+ 3.04	+ 1.04
5198	+ 1.28	- 0.68	- 1.68	+12.01	+ 2.24	- 0.48	+ 0.33	+ 0.85	- 1.71	- 1.41
3085	+ 0.17	- 0.08	- 0.16	+ 3.59	- 1.06	- 0.27	+ 0.06	+ 0.10	- 2.48	+ 0.27
3084	+ 0.56	- 0.06	- 0.12	- 1.34	+ 1.73	- 0.63	+ 0.03	+ 0.08	- 5.25	- 0.39
5199	- 0.53	+ 0.36	+ 0.63	- 2.11	- 0.66	+ 0.46	- 0.28	- 0.48	+ 0.02	+ 1.00
5200	- 0.37	+ 0.66	+ 1.19	+ 0.12	- 0.82	+ 0.29	- 0.31	- 0.58	+ 1.65	+ 0.35
5201	- 0.09	+ 0.37	+ 0.59	+ 1.67	- 0.64	+ 1.15	- 0.49	- 0.70	- 0.80	+ 2.07
5202	- 0.16	+ 0.16	+ 0.31	+ 0.78	- 0.42	+ 1.45	- 0.60	- 1.20	+ 4.64	+ 2.71
5203	- 0.28	+ 0.06	+ 0.11	- 3.50	- 0.07	+ 0.33	- 0.12	- 0.25	- 2.03	+ 1.13
5204	+ 0.13	- 0.14	- 0.34	- 0.69	+ 0.82	- 0.87	+ 0.21	+ 0.44	- 1.05	- 2.08
5205	+ 0.00	+ 0.00	+ 0.65	- 2.95	- 0.01	+ 0.00	+ 0.00	- 0.01	+ 2.82	- 0.90
3086	- 0.54	+ 0.03	+ 0.05	+ 0.22	- 1.25	+ 1.08	- 0.21	- 0.32	- 2.04	+ 2.90
5206	+ 0.29	- 0.17	- 0.41	+ 1.72	+ 0.38	+ 0.47	- 0.08	- 0.17	+ 4.23	+ 0.13
5208	- 1.66	+ 0.14	+ 0.22	- 4.03	- 2.45	+ 1.80	- 0.24	- 0.43	+ 0.12	+ 4.06
5209	+ 0.08	- 0.08	- 0.14	+ 0.41	+ 0.09	+ 0.28	- 0.14	- 0.21	- 1.71	+ 0.72
3087	- 0.40	+ 0.26	+ 0.34	- 2.22	+ 0.26	- 0.02	+ 0.06	+ 0.08	+ 0.35	- 0.21
5210	+ 0.84	- 0.59	- 1.21	+ 0.51	+ 2.18	- 0.16	+ 0.14	+ 0.27	- 2.53	+ 0.22
3088	- 0.05	+ 0.00	+ 0.00	- 0.61	+ 0.20	+ 0.33	- 0.17	- 0.19	- 1.00	+ 0.94
5212	- 0.16	+ 0.05	+ 0.06	+ 1.30	- 0.46	- 0.46	+ 0.28	+ 0.67	- 4.92	- 0.74
3090	+ 0.39	- 0.07	- 0.09	+ 5.09	- 1.37	+ 0.75	- 0.14	- 0.20	+ 3.63	+ 0.50
5214	- 0.49	+ 0.11	+ 0.22	- 0.61	- 1.06	+ 0.49	- 0.16	- 0.31	- 3.90	+ 2.36
5215	+ 0.34	- 0.95	- 1.26	- 1.49	+ 0.69	- 0.07	+ 0.32	+ 0.44	- 0.61	- 0.07
5216	- 0.51	+ 0.13	+ 0.29	+ 0.94	- 1.58	- 0.75	+ 0.15	+ 0.31	+ 0.77	- 2.02
5217	+ 0.27	- 0.03	- 0.04	+ 4.07	+ 0.08	+ 0.56	- 0.18	- 0.54	- 0.60	+ 1.98
3094	+ 0.61	- 0.25	- 0.30	+ 2.30	- 0.19	+ 0.99	- 0.27	- 0.34	+ 4.13	- 0.49
3093	+ 2.95	- 1.99	- 3.24	+ 3.77	+ 5.46	- 0.81	+ 0.66	+ 1.13	+ 1.12	- 2.60
3092	- 0.41	+ 0.04	+ 0.06	- 3.30	+ 0.08	+ 0.44	- 0.03	- 0.05	+ 0.82	+ 0.91
3095	- 0.12	+ 0.06	+ 0.08	- 0.03	- 0.24	+ 0.39	- 0.10	- 0.16	- 0.43	+ 1.04

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
3070	1.02	0.40	0.41	2.04	1.31	1.07	0.51	0.52	2.43	1.35	0.62	0.61	1.23	0.59	0.47	
5183	1.08	0.64	0.65	3.64	1.18	1.09	0.61	0.62	4.02	1.18	1.40	1.54		1.02	0.91	
5184	0.91	0.98	1.12	2.56	1.08	0.86	0.62	0.66	2.52	1.03	2.97	2.58		1.52	1.81	
3074	0.56	0.73	0.77	1.09	0.61	0.61	0.51	0.53	1.32	0.68	3.29	4.06	2.66	1.12	1.54	
3075	0.82	0.45	0.46	1.64	1.00	1.04	0.45	0.46	2.74	1.30	2.02	1.18	3.16	1.14	2.35	
5185	1.22	0.96	1.07	3.85	1.76	1.17	0.62	0.65	3.91	1.80	0.77	0.77		0.98	1.16	
5186	0.82	0.67	0.73	2.96	1.04	0.90	0.70	0.77	3.27	1.18	1.39	0.95		0.80	0.93	
5187	0.84	0.90	0.99	2.09	1.00	0.77	0.55	0.57	2.32	0.88	2.37	5.24	3.81	0.52	1.92	
5188	0.67	0.82	1.05	1.82	0.81	0.71	0.65	0.78	2.22	0.89	0.75	0.82	1.03	1.29	0.18	
3076	0.74	0.61	0.64	1.36	0.89	0.82	0.36	0.37	1.62	1.01	0.83	1.55	0.99	0.70	0.38	t
5189	1.11	0.49	0.50	3.13	1.72	1.12	0.50	0.51	3.23	1.72	1.90	0.97	1.61	1.47	1.76	
5190	0.87	0.86	1.07	3.02	1.16	0.82	0.75	0.89	3.22	1.10	1.88	2.01		1.63	0.78	
3077	0.55	0.63	0.71	1.09	0.69	0.61	0.54	0.59	1.32	0.77	1.16	0.75	1.17	1.49	0.52	
5191	0.97	0.62	0.66	3.67	1.76	0.99	0.58	0.61	3.63	1.97	1.30	2.11	2.46	0.20	1.01	
3079	0.61	0.62	0.66	1.24	0.68	0.75	0.43	0.44	1.61	0.94	1.83	2.98	2.14	0.43	0.93	t
5193	0.74	0.67	0.77	2.75	0.96	0.77	0.57	0.62	2.82	1.09	3.34	0.42		1.04	1.36	
3080	0.62	0.79	0.84	1.22	0.69	0.66	0.48	0.49	1.42	0.74	1.08	2.78	1.86	1.80	0.54	
3081	0.61	0.82	0.89	1.22	0.68	0.59	0.51	0.53	1.42	0.65	1.00	0.33	1.62	0.84	0.11	
5195	1.05	0.69	0.73	3.46	1.52	1.04	0.62	0.65	3.33	1.54	3.47	0.97		1.20	1.89	
5196	0.86	0.59	0.63	3.00	1.11	0.87	0.63	0.68	3.15	1.12	1.39	2.49	0.66	2.22	0.68	
3083	0.57	0.54	0.55	1.04	0.58	0.68	0.46	0.47	1.43	0.77	0.73	0.54	0.74	0.69	1.36	t
3082	1.14	0.68	0.71	4.90	2.11	1.12	0.55	0.57	4.81	2.22	0.37	0.99	1.52	0.57	0.18	
5197	0.73	0.77	0.98	2.67	0.91	0.78	0.66	0.76	2.62	1.11	1.34	1.84		1.33	1.29	
5198	0.88	0.70	0.78	3.74	1.18	0.91	0.57	0.62	4.01	1.33	3.63	3.04	2.53	2.49	1.27	t
3085	0.79	0.77	0.85	1.67	0.98	0.93	0.48	0.50	2.21	1.27	2.29	0.70	1.09	2.64	0.46	t
3084	1.35	0.56	0.57	4.64	2.03	1.42	0.49	0.50	4.41	2.39	1.23	0.90	1.43	1.14	1.20	
5199	1.02	0.78	0.85	2.88	1.29	1.07	0.67	0.72	3.12	1.39	1.18	0.92		0.54	1.59	
5200	0.77	0.87	1.02	2.15	0.90	0.90	0.66	0.72	2.52	1.17	1.54	0.94		0.62	0.89	
5201	0.67	0.67	0.74	1.72	0.80	0.70	0.47	0.49	2.02	0.85	0.58	2.95	1.24	1.79	2.47	
5202	0.75	0.61	0.67	2.97	0.91	0.85	0.62	0.67	3.32	1.11	1.73	3.07	1.98	0.67	1.79	t
5203	0.90	0.49	0.51	3.18	1.21	0.99	0.69	0.74	3.44	1.35	1.23	0.90	0.62	1.32	0.08	
5204	1.19	0.93	1.03	2.87	1.80	1.12	0.66	0.70	2.81	1.72	1.44	0.53		0.54	1.08	
5205	0.72	0.72	1.11	2.27	1.06	0.52	0.52	0.65	2.32	1.03	0.90	1.81		1.88	0.79	t
3086	1.02	0.46	0.47	2.39	1.43	0.98	0.50	0.52	2.33	1.32	0.72	2.45	1.78	1.92	0.21	
5206	1.05	0.92	1.05	2.76	1.48	0.98	0.56	0.59	2.91	1.44	1.65	0.48	1.00	1.33	0.96	
5208	1.31	0.51	0.52	3.70	1.82	1.36	0.65	0.67	3.77	1.94	1.15	2.62	1.04	1.00	1.21	
5209	0.63	0.80	0.97	2.06	0.72	0.66	0.52	0.57	2.22	0.80	0.69	1.00	0.70	1.04	1.03	
3087	0.57	0.50	0.52	1.11	0.69	0.67	0.55	0.58	1.33	0.85	2.11	0.29	1.07	1.93	0.45	t
5210	0.84	0.74	0.83	1.95	1.16	0.72	0.68	0.76	1.93	0.92	1.57	2.38	1.53	1.48	1.97	
3088	0.61	0.40	0.41	1.14	0.64	0.77	0.50	0.51	1.54	0.91	0.72	1.11	1.46	1.25	0.40	t
5212	0.75	0.74	0.88	2.93	0.93	0.79	0.70	0.81	3.42	1.02	1.64	1.21	0.48	1.31	0.32	
3090	0.82	0.42	0.43	1.67	1.01	1.05	0.51	0.52	2.83	1.33	3.28	1.26	1.96	3.45	2.02	t
5214	1.02	0.60	0.63	2.72	1.48	1.02	0.69	0.73	2.73	1.46	1.30	1.82	0.37	2.03	0.72	
5215	0.53	0.75	0.83	1.72	0.55	0.62	0.49	0.52	2.02	0.68	0.52	1.96	2.72	1.23	1.66	t
5216	1.13	0.60	0.63	3.64	1.67	1.10	0.56	0.58	3.64	1.60	0.21	1.68	0.31	0.94	1.01	
5217	0.87	0.58	0.62	3.25	1.30	0.95	0.72	0.80	3.57	1.42	1.24	1.55	0.67	1.32	0.17	
3094	0.69	0.46	0.47	1.21	0.81	0.80	0.44	0.45	1.42	1.02	3.60	0.18	0.86	3.15	0.39	t
3093	1.10	0.90	0.97	2.57	1.42	1.20	0.77	0.81	2.81	1.66	2.55	5.37	3.14	1.28	4.41	
3092	1.50	0.50	0.51	3.94	2.10	1.66	0.50	0.51	4.31	2.66	0.87	0.36	0.64	0.76	1.38	
3095	0.69	0.52	0.54	1.26	0.91	0.94	0.55	0.57	2.22	1.31	0.14	0.90	0.62	0.59	1.07	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5218	67345	FX		13 48 11.186 279	- 68 8 45.952 42	- 8.73	- 11.43
3096	67384	RS		13 48 38.735 289	+ 31 11 24.744 24	- 5.40	+ 37.92
3105	67512	RS		13 50 1.385 484	+ 78 59 44.480 71	- 54.72	+ 1.71
3097	67523	BX		13 50 6.507 853	- 29 4 52.748 61	- 50.93	- 32.40
5222	67538	FX		13 50 19.932 823	- 48 16 26.332 67	- 9.79	- 11.26
5223	67544	FX		13 50 23.841 527	+ 26 17 17.989 79	- 15.94	- 28.27
3103	67589	RS		13 50 59.119 759	+ 68 18 55.082 27	- 176.22	- 58.03
5224	67662	FX		13 51 47.096 997	+ 39 40 9.916 64	+ 4.52	- 19.14
3099	67664	BX		13 51 47.430 807	- 69 24 4.525 31	+ 4.34	- 4.26
3102	67665	BX		13 51 47.475 496	+ 34 26 39.264 96	- 19.86	- 31.87
3104	67714	RS		13 52 18.406 160	+ 12 9 54.491 27	+ 27.19	- 9.25
5225	67765	FX		13 52 54.163 693	- 6 29 18.788 20	- 7.86	+ 19.73
3106	67782	RS		13 53 10.281 821	+ 28 38 53.273 79	- 122.07	+ 28.59
3107	67929	BX	90 Vir	13 54 42.145 877	- 1 30 11.241 88	- 86.62	- 21.16
5226	67993	FX		13 55 27.692 501	+ 69 56 6.435 22	+ 8.31	+ 2.96
3986	68009	RS		13 55 38.874 198	- 82 39 58.285 55	- 25.12	- 23.36
3108	68024	BX		13 55 47.955 543	- 9 33 35.679 96	- 21.03	- 7.65
5227	68029	FX		13 55 49.923 818	+ 78 41 41.744 73	- 14.72	+ 18.46
3109	68030	BX		13 55 49.993 902	+ 14 3 23.405 51	- 290.44	+ 8.60
5228	68055	FX		13 56 4.772 881	+ 28 40 21.176 85	- 15.16	+ 9.98
5229	68134	FX		13 56 54.988 826	+ 44 16 57.116 80	- 25.17	+ 8.48
5230	68136	FX		13 56 59.314 955	- 23 6 13.025 86	- 4.69	- 22.03
5231	68142	FX		13 57 3.883 589	+ 62 47 32.330 52	- 71.24	+ 29.61
5232	68146	FX		13 57 6.315 296	+ 20 57 14.079 89	+ 25.17	- 17.79
5233	68156	FX		13 57 12.133 022	+ 10 18 24.938 74	+ 0.68	+ 14.15
5234	68198	FX		13 57 44.618 911	- 10 55 28.550 58	- 2.72	- 10.16
5235	68236	FX		13 58 7.352 414	+ 2 47 0.598 58	+ 0.41	- 7.78
3112	68282	RS	ν^1 Cen	13 58 40.748 780	- 44 48 12.904 46	- 27.46	- 21.87
5236	68283	FX		13 58 41.830 733	- 34 57 15.933 31	- 21.97	+ 4.68
5237	68314	FX		13 59 3.675 335	- 18 37 22.477 77	+ 44.62	+ 9.76
5238	68351	FX		13 59 28.317 522	- 43 42 10.966 57	- 40.84	- 10.07
5239	68369	FX		13 59 41.520 402	+ 42 2 59.303 44	+ 4.94	+ 28.65
5240	68373	FX		13 59 44.743 299	+ 0 2 56.678 69	+ 28.39	- 29.02
5241	68425	FX		14 0 28.200 415	- 14 57 7.759 04	- 60.55	- 35.38
3111	68431	RS		14 0 32.811 833	- 78 35 23.933 02	- 14.27	- 9.08
5242	68436	FX		14 0 37.591 339	- 64 47 40.161 08	- 2.24	- 2.06
5243	68440	FX		14 0 40.551 926	- 2 4 58.231 00	- 37.70	+ 4.59
5244	68488	FX		14 1 16.530 352	+ 50 8 20.471 89	- 41.75	- 4.12
3114	68498	RS		14 1 20.429 297	+ 8 53 41.661 27	+ 33.06	- 1.37
5245	68501	FX		14 1 22.318 689	+ 31 33 48.948 70	- 12.38	- 39.11
3115	68567	BX		14 2 12.189 623	+ 45 45 12.446 50	+ 29.46	- 78.20
5246	68569	FX		14 2 16.947 994	- 87 36 55.320 69	+ 5.24	- 3.45
5247	68576	FX		14 2 20.422 804	+ 36 6 42.686 49	- 23.76	- 86.04
3116	68643	BX		14 3 4.069 123	- 17 22 1.253 01	- 184.54	- 10.39
3118	68707	BX		14 3 55.756 096	+ 4 54 3.504 50	- 10.72	- 2.64
5248	68767	FX		14 4 30.383 085	+ 21 23 17.366 08	- 6.71	+ 2.92
5249	68780	FX		14 4 41.591 257	+ 6 59 54.226 05	- 27.93	+ 5.54
3119	68842	BX		14 5 46.477 482	- 54 40 9.704 32	- 52.81	- 24.96
5250	68919	FX		14 6 33.333 302	+ 17 54 43.238 95	- 56.05	- 10.93
5251	68945	FX		14 6 47.324 383	- 62 22 27.401 41	- 12.34	- 7.37

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5218	91.12	0.57	0.71	91.16	0.67	0.64	5.09	0.95	H		7.61		11	1	3
3096	91.12	0.45	0.51	91.25	0.42	0.40	10.49	0.67	H	+ 11.4	5.61		31		
3105	91.31	0.47	0.44	91.38	0.46	0.52	5.72	0.52	H	- 3.6	6.59		21	2	
3097	91.08	0.63	0.50	91.36	0.45	0.45	9.02	0.76	H	+ 0.2	6.19		21	2	
5222	91.39	0.75	0.68	91.21	0.57	0.56	4.71	0.98	H		8.08		15	1	3
5223	91.40	0.81	0.77	91.24	0.72	0.65	3.43	1.25	H		8.85		31		
3103	91.30	0.44	0.41	91.27	0.46	0.49	10.52	0.52	H	- 45.4	6.39		35		
5224	91.40	0.43	0.39	91.23	0.60	0.47	1.39	0.91	H	+ 32.5	7.40	2	13		
3099	91.18	0.36	0.36	91.21	0.41	0.43	4.00	0.55	H	+ 9.8	5.73	1	39		
3102	91.32	0.49	0.46	91.16	0.44	0.39	5.40	0.67	H	- 43.6	4.76	2	13		
3104	90.98	0.62	0.60	91.10	0.55	0.54	10.03	0.91	H	- 15.5	6.10		11	1	3
5225	91.18	1.01	0.76	91.60	0.94	0.73	4.70	0.65	P		8.83		11	1	3
3106	91.62	0.56	0.52	91.25	0.46	0.45	15.46	0.79	H	- 13.7	5.91		11	1	3
3107	91.22	0.72	0.59	90.71	0.44	0.47	12.84	0.80	H	- 6.7	5.16		19	1	1
5226	91.45	0.56	0.51	91.36	0.54	0.55	4.19	0.64	H		7.31		11	1	3
3986	91.42	0.48	0.47	91.20	0.48	0.49	3.74	0.58	H	- 35.2	5.95		19	1	1
3108	90.97	0.82	0.52	91.19	0.92	0.57	3.19	1.14	H		6.69		21	2	
5227	91.37	0.54	0.53	91.44	0.57	0.59	2.86	0.62	H		8.20		11	1	3
3109	90.89	0.57	0.42	90.88	0.50	0.43	41.28	0.79	H	- 12.7	6.16		11	1	3
5228	91.65	0.58	0.56	91.29	0.57	0.52	7.69	0.92	H	- 6.0	6.99		11	1	3
5229	91.24	0.57	0.52	91.14	0.58	0.48	22.47	0.85	H	+ 22.4	7.65		31		
5230	90.88	0.74	0.81	91.27	0.49	0.58	5.34	0.84	H		7.60		11	1	1
5231	91.37	0.52	0.53	91.32	0.55	0.55	8.23	0.63	H		7.30		11	1	3
5232	91.40	0.60	0.52	91.23	0.47	0.45	2.57	0.83	H		6.68	1	11	1	3
5233	90.95	0.83	0.62	90.90	0.78	0.64	7.35	1.22	H		8.92		31		
5234	90.78	1.15	0.68	91.42	1.16	0.78	2.60	1.80	H		8.70		31		
5235	91.07	0.78	0.69	90.69	0.50	0.52	4.84	1.05	H		7.62		11	1	3
3112	91.53	0.55	0.47	91.23	0.48	0.51	7.81	0.70	H	+ 4.8	3.87		18		
5236	91.09	0.97	1.13	91.32	0.73	0.87	2.41	0.56	P		8.59		31		
5237	91.00	0.79	0.63	91.67	0.55	0.63	5.74	0.97	H		7.07		11	1	3
5238	90.98	0.84	0.78	91.34	0.64	0.64	3.66	0.84	P		7.94		15	1	3
5239	91.32	0.51	0.54	91.46	0.60	0.52	10.40	0.79	H	+ 9.5	7.80		11	1	3
5240	91.43	1.01	0.63	91.20	0.69	0.58	6.08	1.11	H		7.91		11	1	3
5241	91.04	0.94	0.72	91.77	0.55	0.62	4.25	0.98	P		8.08		11	1	3
3111	91.14	0.39	0.41	91.03	0.44	0.49	4.48	0.51	H	+ 4.	6.09		18		
5242	91.12	0.75	0.79	91.18	0.85	0.85	.62	0.14	P		9.09		11	1	3
5243	91.31	0.91	0.65	91.32	0.73	0.68	6.62	1.17	H		8.46		21	2	
5244	91.24	0.64	0.62	91.19	0.64	0.59	2.67	0.61	P		8.47		11	1	3
3114	91.27	0.64	0.57	91.18	0.38	0.38	11.33	0.76	H	- 16.5	5.98		11	1	3
5245	91.05	0.51	0.66	91.17	0.57	0.56	5.48	0.87	H		6.87		11	1	3
3115	91.41	0.45	0.45	91.63	0.51	0.48	5.99	0.69	H	- 49.2	6.28		11	1	3
5246	91.31	0.69	0.62	91.24	0.63	0.61	2.44	0.78	H		8.50		11	1	3
5247	91.67	0.48	0.50	91.40	0.59	0.54	11.75	0.86	H	- 35.1	7.23		31		
3116	90.73	0.70	0.50	91.39	0.62	0.53	6.74	0.92	H		6.32		31		
3118	91.18	0.68	0.43	91.32	0.38	0.33	15.91	0.80	H	- 21.5	6.24		11	1	3
5248	91.21	0.79	0.69	91.37	0.68	0.60	3.40	0.47	P	- 25.9	8.53		11	1	3
5249	91.36	0.75	0.65	91.29	0.45	0.42	8.39	0.92	H	- 27.2	7.89		11	1	3
3119	91.26	0.45	0.41	91.14	0.45	0.48	7.67	0.67	H	- 24.	6.20	2	17		
5250	91.03	0.67	0.54	90.98	0.57	0.50	3.29	0.97	H		7.70		11	1	3
5251	91.11	0.45	0.51	91.22	0.62	0.58	1.95	0.91	H		7.26	2	11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5218	+ 0.02	- 0.04	- 0.11	- 2.20	+ 0.58	+ 0.42	- 0.08	- 0.21	+ 6.66	- 0.08
3096	- 1.06	+ 0.72	+ 0.91	- 1.03	- 1.56	+ 0.44	- 0.13	- 0.16	- 1.62	+ 1.41
3105	- 2.24	+ 0.70	+ 1.02	- 7.96	- 1.47	- 1.34	+ 0.15	+ 0.32	- 3.13	- 2.62
3097	- 0.47	+ 0.68	+ 0.90	+ 1.47	- 1.47	+ 1.28	- 0.69	- 0.90	+ 0.00	+ 2.24
5222	+ 0.02	+ 0.00	+ 0.01	+ 0.54	- 0.07	- 0.62	+ 0.07	+ 0.19	- 2.68	- 1.62
5223	- 0.53	+ 0.39	+ 1.02	+ 0.29	- 1.68	- 0.31	+ 0.09	+ 0.15	- 8.10	+ 0.38
3103	+ 1.35	- 0.29	- 0.37	+ 4.88	+ 0.08	+ 0.61	- 0.06	- 0.10	+ 2.36	+ 0.35
5224	- 0.09	+ 0.10	+ 0.21	+ 0.45	- 0.25	- 0.44	+ 0.25	+ 0.65	- 3.12	- 0.93
3099	+ 1.20	- 0.24	- 0.40	+ 1.38	+ 2.27	+ 1.08	- 0.30	- 0.52	+ 0.59	+ 2.36
3102	+ 0.81	- 0.44	- 0.63	+ 0.86	+ 1.37	- 0.05	+ 0.03	+ 0.05	- 1.25	+ 0.50
3104	+ 0.72	- 0.24	- 0.31	+ 0.50	+ 1.19	+ 1.59	- 0.31	- 0.46	+ 4.22	+ 1.69
5225	- 0.52	+ 0.52	+ 1.20	- 0.64	- 1.11	- 0.52	+ 0.25	+ 0.21	- 3.65	- 0.37
3106	- 1.21	+ 0.49	+ 0.61	- 2.42	- 1.20	+ 0.16	- 0.06	- 0.07	- 2.88	+ 1.59
3107	- 0.85	+ 1.15	+ 1.56	- 1.48	- 1.07	+ 0.53	- 0.56	- 0.77	+ 1.42	+ 0.61
5226	- 0.73	+ 0.30	+ 0.53	- 1.31	- 1.32	+ 0.21	- 0.14	- 0.27	- 2.79	+ 0.93
3986	- 0.14	+ 0.02	+ 0.06	- 4.90	+ 1.52	- 0.23	+ 0.04	+ 0.09	- 2.73	+ 0.22
3108	- 0.48	+ 0.79	+ 1.51	- 2.28	- 0.34	- 0.44	+ 0.20	+ 0.16	- 4.58	+ 0.13
5227	- 0.17	+ 0.05	+ 0.09	+ 3.44	- 0.89	- 0.86	+ 0.27	+ 0.71	- 1.56	- 2.36
3109	+ 0.16	- 0.54	- 0.60	- 1.14	+ 0.74	- 0.50	+ 0.54	+ 0.60	- 1.50	- 0.26
5228	- 0.88	+ 0.24	+ 0.38	- 1.67	- 1.38	- 0.17	+ 0.01	+ 0.02	+ 3.12	- 0.71
5229	- 1.23	+ 1.32	+ 1.54	- 2.19	- 1.36	+ 0.35	- 0.26	- 0.30	+ 0.14	+ 0.45
5230	+ 0.40	- 0.11	- 0.27	- 3.12	+ 3.09	+ 0.97	- 0.14	- 0.31	+ 2.95	+ 1.96
5231	+ 0.35	- 0.13	- 0.19	- 2.45	+ 0.85	+ 0.20	- 0.08	- 0.12	- 0.56	+ 0.39
5232	- 0.14	- 0.03	- 0.11	+ 1.95	- 0.52	- 0.66	+ 0.13	+ 0.30	- 6.78	- 0.67
5233	+ 0.83	- 0.56	- 0.76	+ 6.64	+ 0.48	+ 1.18	- 0.49	- 0.75	+ 0.49	+ 2.00
5234	- 0.08	+ 0.58	+ 2.80	- 2.13	- 0.14	+ 0.20	- 0.54	- 2.32	+ 3.42	+ 0.31
5235	+ 0.29	- 0.41	- 0.92	- 3.20	+ 1.85	- 0.80	+ 0.34	+ 0.71	- 3.30	- 1.26
3112	+ 0.79	- 0.38	- 0.51	+ 0.26	+ 1.39	- 0.18	+ 0.13	+ 0.18	- 1.09	- 0.03
5236	- 0.59	+ 0.28	+ 1.91	- 7.94	- 2.26	+ 0.33	- 0.06	- 0.38	+ 4.83	+ 0.97
5237	+ 0.43	- 0.52	- 0.88	+ 1.79	+ 0.54	+ 0.21	+ 0.00	+ 0.03	+ 3.12	- 0.24
5238	- 0.53	+ 0.29	+ 0.79	- 1.50	- 1.40	- 0.43	+ 0.13	+ 0.29	+ 0.70	- 1.48
5239	- 0.49	+ 0.17	+ 0.23	+ 0.61	- 0.87	- 0.08	+ 0.01	+ 0.01	- 5.25	+ 0.56
5240	- 0.28	+ 0.41	+ 0.66	+ 0.05	- 0.55	- 0.65	+ 0.31	+ 0.48	+ 1.85	- 1.70
5241	+ 0.42	- 0.43	- 0.91	+ 0.38	+ 0.91	+ 0.58	- 0.28	- 0.43	- 1.20	+ 1.34
3111	- 0.48	+ 0.03	+ 0.08	- 0.44	- 1.80	- 0.18	+ 0.02	+ 0.05	+ 1.90	- 1.11
5242	+ 0.07	- 0.02	- 0.23	+ 3.86	- 0.03	- 0.02	+ 0.00	- 0.06	+ 1.31	- 0.82
5243	- 0.27	+ 0.06	+ 0.00	+ 2.68	- 0.91	- 1.01	+ 0.47	+ 0.84	+ 7.46	- 3.67
5244	- 0.28	+ 0.26	+ 0.63	+ 2.72	- 1.01	- 0.59	+ 0.25	+ 0.64	- 7.38	- 0.95
3114	+ 0.03	- 0.05	- 0.10	+ 2.45	- 0.75	- 1.75	+ 0.11	+ 0.18	- 5.64	- 1.54
5245	- 0.74	+ 0.20	+ 0.45	- 1.77	- 1.64	+ 0.39	- 0.08	- 0.19	- 0.04	+ 1.12
3115	+ 1.48	- 0.53	- 0.75	+ 2.76	+ 1.92	- 0.01	- 0.02	- 0.03	+ 0.19	- 0.09
5246	+ 0.28	- 0.16	- 0.42	+ 1.29	+ 0.54	- 0.13	+ 0.02	+ 0.01	+ 2.29	- 0.85
5247	+ 0.88	- 0.48	- 0.64	+ 0.82	+ 1.24	+ 1.25	- 0.79	- 1.04	+ 0.72	+ 1.76
3116	+ 0.23	- 0.79	- 1.29	+ 1.82	- 0.13	- 0.22	+ 0.56	+ 0.92	- 2.21	+ 0.06
3118	- 0.57	+ 0.66	+ 0.75	- 0.36	- 0.78	- 0.40	- 0.09	- 0.11	- 0.36	- 0.45
5248	+ 0.34	- 0.39	- 0.91	- 1.77	+ 1.32	+ 0.14	- 0.14	- 0.32	- 4.16	+ 1.06
5249	+ 0.47	- 0.39	- 0.63	+ 6.68	+ 0.12	- 0.91	+ 0.22	+ 0.34	+ 2.37	- 1.83
3119	+ 0.82	- 0.10	- 0.16	+ 2.39	+ 0.76	+ 0.36	- 0.04	- 0.07	+ 6.25	- 1.20
5250	- 0.08	- 0.11	- 0.28	+ 0.66	- 0.12	- 0.64	+ 0.34	+ 0.65	- 4.37	- 0.94
5251	- 0.25	+ 0.03	+ 0.11	+ 1.89	- 1.70	+ 0.15	- 0.01	- 0.04	+ 4.07	- 0.34

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5218	1.16	0.75	0.80	3.93	1.78	1.13	0.67	0.71	3.94	1.73	0.36	1.80		1.69	0.83	
3096	0.81	0.62	0.65	1.69	0.94	0.93	0.42	0.43	2.01	1.18	1.29	2.49	1.06	1.33	1.05	
3105	0.80	0.49	0.51	1.73	1.05	1.10	0.54	0.56	3.23	1.65	5.10	2.72	1.21	3.21	1.81	
3097	0.72	0.65	0.69	1.47	0.85	0.78	0.53	0.55	1.71	0.94	0.62	3.46	2.16	2.08	2.45	
5222	1.18	0.70	0.74	4.12	1.97	1.17	0.57	0.59	4.02	2.08	0.72	0.84	1.42	0.27	1.35	t
5223	0.94	0.87	1.03	3.12	1.25	0.88	0.72	0.80	3.21	1.19	1.67	2.50		2.54	0.58	
3103	0.88	0.44	0.45	1.66	1.14	1.26	0.51	0.52	2.72	1.90	3.19	0.43	2.67	2.46	0.73	t
5224	0.50	0.46	0.53	2.13	0.61	0.61	0.51	0.58	2.42	0.83	1.52	1.65	1.11	0.91	1.23	t
3099	0.79	0.38	0.39	1.89	1.11	0.82	0.46	0.48	2.13	1.15	1.05	3.21	1.56	0.84	1.82	t
3102	0.73	0.54	0.57	1.39	0.95	0.83	0.42	0.43	1.71	1.19	1.23	1.84	1.66	0.89	0.41	t
3104	0.96	0.70	0.74	2.22	1.17	1.05	0.59	0.61	2.41	1.38	1.92	1.85	2.28	0.95	0.65	t
5225	0.86	1.07	1.56	2.14	1.06	0.85	1.01	1.44	2.42	1.03	1.60	1.70		1.26	1.17	
3106	0.98	0.60	0.62	1.99	1.12	1.05	0.48	0.49	2.11	1.34	1.95	1.82	2.24	1.87	2.24	t
3107	0.82	0.82	0.88	1.68	0.94	0.98	0.55	0.58	2.11	1.24	1.83	2.15	1.58	0.39	1.00	t
5226	0.82	0.56	0.60	3.32	1.03	0.93	0.59	0.63	3.54	1.27	0.89	1.73	0.68	0.99	1.08	
3986	0.94	0.49	0.51	2.46	1.53	0.98	0.50	0.52	2.74	1.68	2.21	0.91	0.17	2.40	1.18	t
3108	0.58	0.78	1.05	1.23	0.72	0.65	0.82	1.11	1.71	0.78	3.70	1.58	1.58	2.85	1.79	
5227	0.80	0.57	0.61	3.01	1.10	0.88	0.63	0.68	3.35	1.29	2.25	1.27		1.37	0.54	
3109	0.63	0.63	0.65	1.19	0.65	0.69	0.59	0.60	1.42	0.75	1.46	1.59	0.76	1.59	0.72	t
5228	1.02	0.60	0.63	3.45	1.28	1.02	0.55	0.57	3.61	1.30	1.03	1.35	0.91	1.00	0.67	
5229	0.74	0.72	0.75	2.20	0.78	0.79	0.59	0.60	2.43	0.84	1.61	2.77	1.41	0.38	1.53	
5230	1.19	0.86	0.94	2.80	1.98	1.13	0.60	0.62	2.81	1.95	1.91	1.48		1.84	0.88	t
5231	0.94	0.59	0.61	3.42	1.11	0.96	0.60	0.63	3.63	1.15	0.66	0.90	0.52	0.95	0.49	
5232	0.75	0.57	0.63	2.84	1.02	0.79	0.47	0.51	2.91	1.16	2.48	0.88	0.88	2.11	0.17	
5233	0.79	0.84	0.95	2.55	0.90	0.89	0.80	0.89	2.62	1.08	2.41	2.78		2.34	0.75	
5234	0.71	1.01	1.66	1.96	0.82	0.84	0.97	1.38	2.32	1.06	1.97	2.72		1.54	0.91	
5235	0.99	0.79	0.89	2.74	1.37	0.92	0.58	0.64	2.92	1.25	1.59	2.04	2.36	1.77	1.95	
3112	0.79	0.55	0.57	1.64	0.99	0.87	0.57	0.60	2.02	1.10	0.74	1.67	0.92	0.75	0.63	t
5236	1.29	1.17	1.38	3.60	2.36	1.16	0.88	0.95	3.92	2.54	1.61	2.86		1.56	0.41	
5237	0.77	0.84	0.97	2.17	0.92	0.87	0.75	0.83	2.52	1.08	1.65	1.06	2.07	1.34	1.35	
5238	0.99	0.86	0.99	2.54	1.47	0.93	0.69	0.76	2.52	1.38	0.85	1.70	0.58	0.76	1.95	t
5239	0.98	0.60	0.62	3.15	1.15	0.97	0.58	0.60	3.22	1.14	0.94	1.61		1.76	0.47	
5240	0.73	0.91	1.07	2.00	0.85	0.84	0.68	0.74	2.22	1.06	1.99	0.64		1.47	1.25	
5241	0.82	0.96	1.23	2.36	1.00	0.81	0.76	0.89	2.62	1.00	1.99	0.54		0.93	1.30	
3111	1.13	0.41	0.42	3.83	2.15	1.14	0.50	0.51	4.22	2.02	0.46	1.02	1.10	0.71	0.65	t
5242	0.88	0.80	0.92	3.40	2.00	0.93	0.86	1.00	3.64	2.05	1.20	0.36	0.65	1.11	0.86	
5243	0.84	0.83	0.94	2.44	0.99	1.00	0.78	0.86	2.92	1.29	3.12	2.45		3.75	1.71	
5244	0.76	0.72	0.84	3.20	0.96	0.83	0.64	0.70	3.72	1.15	1.74	2.21		1.99	0.56	
3114	1.10	0.63	0.65	2.54	1.39	1.29	0.39	0.40	2.81	1.97	2.26	0.97	0.95	1.63	1.34	t
5245	1.10	0.70	0.74	3.86	1.59	1.13	0.58	0.60	3.81	1.75	0.57	1.37	1.35	0.28	0.87	
3115	0.80	0.50	0.52	1.70	1.03	0.78	0.54	0.57	1.72	1.01	1.98	2.30	0.38	0.44	1.32	
5246	0.78	0.70	0.82	2.23	1.08	0.81	0.68	0.78	2.48	1.15	1.12	1.00	0.88	1.19	0.90	
5247	0.91	0.57	0.59	2.83	1.04	0.86	0.65	0.68	2.92	0.97	0.77	2.75	2.73	0.37	2.07	
3116	0.58	0.88	1.03	1.19	0.67	0.64	0.80	0.91	1.61	0.73	2.47	1.09	3.36	1.92	0.51	
3118	0.62	0.64	0.67	1.24	0.67	0.67	0.41	0.42	1.41	0.75	0.82	1.76	1.05	0.30	0.88	t
5248	0.82	0.83	0.99	2.41	1.05	0.77	0.70	0.79	2.42	0.99	1.84	1.54		2.32	1.22	
5249	0.96	0.77	0.83	3.45	1.13	0.99	0.45	0.47	3.51	1.22	2.15	1.71	1.36	2.13	0.36	
3119	1.03	0.42	0.43	2.19	1.49	1.16	0.50	0.51	3.01	1.70	2.36	0.87	0.68	2.24	0.57	t
5250	0.67	0.69	0.80	3.03	0.78	0.72	0.58	0.65	3.21	0.89	1.45	1.55		1.06	0.90	
5251	0.86	0.52	0.55	3.33	1.64	0.88	0.60	0.64	3.23	1.63	1.35	1.05	0.49	1.55	1.19	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3125	68956	BX	3 UMi	14 6 56.364663	+ 74 35 37.61528	- 53.61	+ 13.01
5252	68966	FX		14 7 8.037473	- 35 29 30.83566	- 19.20	- 2.57
5253	68986	FX		14 7 25.485107	+ 12 35 38.85909	+ 147.98	- 58.16
5254	69055	FX		14 8 4.359139	- 80 45 50.47102	- 22.45	+ 1.31
3121	69065	BX		14 8 14.298128	- 63 12 28.62057	+ 19.39	+ 35.33
3124	69068	BX	13 Boo	14 8 17.302509	+ 49 27 29.39855	- 59.65	+ 59.92
3120	69090	RS		14 8 27.165954	- 74 51 1.02727	- 242.41	+ 180.24
3126	69107	BX		14 8 46.046373	+ 59 20 15.53655	- 123.21	- 20.65
3128	69373	BX		14 12 4.009775	+ 69 25 57.17368	- 26.34	- 49.57
5256	69542	FX		14 14 10.065266	- 48 34 38.90157	- 18.15	- 6.94
5257	69563	FX		14 14 21.289886	+ 83 56 40.35421	+ 0.98	+ 10.02
3130	69592	BX		14 14 40.963142	+ 21 52 24.21272	+ 41.36	- 7.18
5258	69614	FX		14 14 53.019140	+ 3 20 9.15816	- 49.32	- 24.99
5259	69634	FX		14 15 6.351469	+ 73 20 1.22202	+ 3.99	+ 4.62
5260	69683	FX		14 15 50.230922	- 16 4 52.92978	- 32.00	+ 6.78
3132	69722	RS		14 16 18.336348	- 33 14 28.76082	+ 22.44	+ 3.22
5262	69828	FX		14 17 27.669269	- 19 57 49.58165	- 84.93	- 26.57
5263	69841	FX		14 17 36.873084	+ 11 20 6.86115	- 44.27	- 5.82
5264	69850	FX		14 17 43.288251	- 76 5 17.85830	+ 3.11	- 5.30
3129	69896	BX	η Aps	14 18 13.895394	- 81 0 27.93921	- 20.13	- 65.59
5265	69959	FX		14 18 57.173441	+ 42 0 17.77203	+ 39.85	- 70.73
3134	70012	RS	ν Vir	14 19 32.479863	- 2 15 55.86871	- 119.17	- 72.24
3135	70027	BX	20 Boo	14 19 45.235044	+ 16 18 25.01124	- 141.13	+ 60.23
3133	70042	RS		14 19 57.371342	- 73 58 6.39462	- 7.73	- 0.44
3136	70051	BX		14 20 8.665364	+ 30 25 44.86617	- 9.81	- 6.12
5267	70218	FX		14 21 57.216519	+ 29 37 46.61550	- 631.38	- 308.44
5268	70229	FX		14 22 3.466346	- 44 39 31.34716	- 16.01	- 23.43
3137	70243	BX		14 22 19.719005	- 34 47 12.45144	- 26.00	- 0.22
5270	70282	FX		14 22 46.388361	- 0 38 13.67250	- 61.61	- 13.09
5271	70295	FX		14 22 58.128551	+ 76 39 49.22422	+ 14.93	- 1.18
5272	70296	FX		14 22 59.064648	+ 24 6 24.10729	+ 7.50	- 1.03
3139	70310	RS		14 23 6.821957	+ 25 20 17.42342	- 156.59	+ 63.85
3140	70379	BX		14 23 57.704643	- 16 6 6.89177	- 29.82	- 6.40
3142	70517	RS		14 25 29.152308	+ 38 23 34.99234	+ 6.01	- 19.20
5274	70543	FX		14 25 51.280569	- 56 55 22.24521	- 2.73	+ 0.38
5275	70606	FX		14 26 32.570049	+ 52 37 30.77999	- 20.56	- 18.48
5276	70614	FX		14 26 38.575033	- 26 51 26.09963	+ 1.42	- 0.67
3141	70657	RS		14 27 7.087012	- 65 49 17.92665	- 18.39	- 14.27
5277	70687	FX		14 27 30.205311	+ 14 45 15.34544	- 12.73	+ 6.89
5278	70693	FX		14 27 31.449895	- 35 26 50.04473	+ 33.64	- 54.74
5279	70747	FX		14 28 4.732948	- 3 0 14.17287	- 6.51	+ 1.42
5280	70752	FX		14 28 10.098476	- 8 45 25.04763	- 6.41	+ 0.01
3144	70762	BX		14 28 16.440030	+ 36 11 49.29712	- 21.85	+ 3.36
3143	70794	RS	106 Vir	14 28 41.721354	- 6 54 1.94223	- 15.85	- 51.66
5281	70814	FX		14 28 55.549481	+ 47 9 2.04682	- 47.99	+ 34.39
5282	70859	FX		14 29 23.366197	- 50 6 30.98779	- 8.16	+ 20.95
3146	70873	BX		14 29 36.808727	+ 41 47 45.28005	+ 161.27	- 220.90
3145	70894	RS		14 29 50.517964	+ 0 49 44.14442	+ 14.40	+ 7.26
3150	70952	RS		14 30 46.070550	+ 63 11 8.82688	- 177.15	+ 8.83
3148	70987	BX		14 31 10.840244	- 38 52 10.95384	+ 5.63	+ 27.82

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3125	91.40	0.46	0.45	91.39	0.47	0.52	7.45	0.53	H	- 3.8	6.43		31		
5252	91.24	0.70	0.79	91.42	0.55	0.69	4.83	0.95	H	+ 12.0	7.18		11	1	3
5253	90.82	0.95	0.77	90.96	0.80	0.67	12.10	1.39	H		9.17		11	1	3
5254	91.30	0.48	0.49	91.10	0.49	0.51	8.42	0.60	H		7.60		31		
3121	90.87	0.32	0.39	91.21	0.50	0.48	8.48	0.75	H	+ 38.8	6.39		35		
3124	91.27	0.44	0.35	91.48	0.48	0.41	5.86	0.61	H	- 13.4	5.26	2	33		
3120	91.50	0.43	0.46	91.24	0.45	0.51	34.87	0.57	H	- 22.1	6.02		11	1	3
3126	91.36	0.46	0.41	91.21	0.48	0.47	7.44	0.55	H	+ 11.	6.47		19	1	1
3128	91.21	0.45	0.37	91.03	0.49	0.43	7.32	0.53	H	- 24.1	5.18	1	13		
5256	91.15	0.55	0.60	91.39	0.64	0.65	3.40	0.97	H		7.76		31		
5257	91.27	0.62	0.54	91.18	0.70	0.74	2.98	0.73	H		8.38		11	1	3
3130	91.16	0.64	0.50	91.17	0.47	0.41	16.95	0.75	H	- 4.0	6.38		11	1	3
5258	91.18	0.70	0.56	91.35	0.49	0.46	4.01	0.85	H	- 47.8	6.41	2	13		
5259	91.28	0.63	0.63	91.24	0.64	0.62	3.11	0.70	H		8.78		15	1	3
5260	90.90	0.87	0.60	91.61	0.64	0.62	3.68	1.14	H		7.98		11	1	3
3132	90.98	0.69	0.84	91.40	0.50	0.71	13.40	0.98	H	+ 3.2	6.57		31		
5262	90.93	0.79	0.68	91.29	0.51	0.51	12.49	0.91	H		6.95	1	11	1	3
5263	91.12	0.74	0.55	90.90	0.53	0.48	2.79	0.92	H		7.60		31		
5264	91.28	0.51	0.56	91.21	0.59	0.63	3.05	0.73	H		7.28	2	33		
3129	91.33	0.39	0.36	91.23	0.42	0.44	23.36	0.50	H	- 9.4	4.89		18		
5265	91.37	0.49	0.48	91.59	0.58	0.52	5.36	0.76	H		7.08		31		
3134	91.15	0.79	0.65	91.40	0.53	0.54	11.90	0.95	H	- 27.1	5.14		19	1	1
3135	91.01	0.48	0.39	91.06	0.43	0.40	17.12	0.68	H	- 7.8	4.84		11	1	3
3133	91.38	0.44	0.49	91.17	0.47	0.53	3.35	0.62	H	+ 5.9	6.58	1	11	1	3
3136	91.14	0.55	0.43	91.24	0.49	0.40	11.52	0.70	H	+ 1.3	6.45		11	1	3
5267	91.85	0.84	0.78	91.52	0.74	0.63	69.43	1.08	H	- 36.7	8.56		29	2	
5268	91.35	0.90	0.73	91.40	0.68	0.79	1.75	1.13	H	+ 19.1	7.76		13		
3137	91.19	0.71	0.63	91.53	0.45	0.54	3.70	0.51	P	- 37.	5.57		11	1	3
5270	91.32	0.92	0.70	91.37	0.54	0.54	7.58	0.98	H		6.74		21	2	
5271	91.44	0.59	0.50	91.25	0.61	0.56	2.36	0.68	H		8.66		11	1	3
5272	90.92	0.84	0.65	90.90	0.65	0.56	5.89	1.04	H		8.53		11	1	3
3139	91.49	0.58	0.47	91.05	0.48	0.46	28.00	0.77	H	- 8.2	6.22		11	1	3
3140	91.26	0.86	0.76	91.52	0.48	0.55	4.99	0.90	H	- 19.	6.69		28	2	
3142	91.07	0.41	0.45	91.02	0.45	0.44	5.22	0.63	H	+ 25.3	6.28		11	1	3
5274	90.87	0.68	0.65	90.78	0.53	0.57	1.13	0.92	H		7.89		11	1	3
5275	91.33	0.61	0.52	91.30	0.63	0.57	.59	0.76	H		8.13		11	1	3
5276	91.39	0.91	0.84	91.41	0.60	0.68	2.42	1.06	H		8.19		31		
3141	91.30	0.33	0.36	91.24	0.45	0.48	3.54	0.63	H	- 9.	5.87		11	1	3
5277	90.90	0.62	0.60	90.88	0.62	0.52	.49	0.96	H	- 26.0	7.28		11	1	3
5278	91.05	0.73	0.73	91.69	0.49	0.69	10.78	1.06	H		6.89		11	1	3
5279	90.80	0.84	0.82	90.95	0.73	0.68	3.61	1.08	H		7.77		31		
5280	90.85	1.31	0.66	91.36	0.85	0.69	3.11	1.52	H		9.23		11	1	3
3144	91.12	0.35	0.32	91.03	0.45	0.41	3.48	0.64	H	- 17.5	6.22		31		
3143	91.00	0.67	0.56	91.38	0.48	0.52	6.81	0.76	H	- 49.3	5.42		21	2	
5281	91.57	0.55	0.54	91.65	0.58	0.59	7.14	0.74	H	- 19.2	8.15		11	1	3
5282	91.27	0.58	0.60	91.43	0.52	0.70	4.41	0.92	H		7.29	1	11	1	3
3146	91.17	0.39	0.35	90.97	0.42	0.38	42.43	0.59	H	- .3	6.36		11	1	3
3145	91.04	0.84	0.81	91.33	0.74	0.84	13.10	1.28	H	- 9.2	5.96		31		
3150	91.33	0.44	0.41	91.35	0.45	0.43	31.51	0.50	H	- 3.2	6.10		21	2	
3148	91.11	0.55	0.49	91.52	0.42	0.55	9.43	0.79	H	+ 8.1	5.99		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3125	- 0.54	+ 0.32	+ 0.42	+ 3.78	- 2.34	+ 0.41	- 0.18	- 0.27	- 1.59	+ 1.32
5252	+ 0.20	- 0.07	- 0.17	+ 2.16	- 0.11	+ 0.39	- 0.15	- 0.32	+ 0.59	+ 0.90
5253	+ 0.09	- 0.23	- 0.40	+ 0.82	+ 0.10	- 0.45	+ 0.27	+ 0.42	+ 0.27	- 0.82
5254	- 0.44	+ 0.04	+ 0.10	- 0.08	- 1.23	- 1.79	+ 0.12	+ 0.29	-13.87	- 1.09
3121	+ 1.46	- 0.14	- 0.22	+ 6.20	+ 0.72	- 0.04	- 0.04	- 0.07	+ 2.09	- 0.76
3124	- 0.16	+ 0.09	+ 0.11	- 1.58	+ 0.40	- 0.44	+ 0.28	+ 0.36	- 2.98	+ 0.36
3120	- 0.93	+ 0.06	+ 0.09	- 4.79	- 0.26	- 0.76	+ 0.05	+ 0.08	- 2.70	- 0.71
3126	- 0.03	+ 0.03	+ 0.03	+ 0.17	- 0.14	+ 0.33	- 0.07	- 0.11	+ 2.79	- 0.52
3128	- 0.14	+ 0.19	+ 0.22	+ 0.78	- 0.50	- 0.03	+ 0.03	+ 0.04	+ 2.20	- 0.68
5256	+ 1.06	- 0.39	- 0.88	+ 1.41	+ 2.70	+ 0.28	- 0.12	- 0.25	- 2.89	+ 1.42
5257	+ 0.40	- 0.15	- 0.32	+ 1.21	+ 0.83	- 0.11	+ 0.07	+ 0.18	+ 7.25	- 1.49
3130	+ 0.12	- 0.21	- 0.24	- 0.85	+ 0.53	+ 0.11	+ 0.00	+ 0.00	+ 0.77	- 0.08
5258	+ 0.37	- 0.37	- 0.66	+ 1.15	+ 0.58	- 0.12	+ 0.12	+ 0.21	- 0.24	- 0.21
5259	- 0.77	+ 0.39	+ 0.92	- 4.80	- 1.46	- 0.22	- 0.04	- 0.14	- 3.63	+ 0.04
5260	+ 0.14	- 0.29	- 0.61	+ 0.13	+ 0.34	- 0.09	+ 0.17	+ 0.34	+ 3.39	- 0.88
3132	- 1.32	+ 1.14	+ 1.80	- 1.49	- 2.46	- 0.49	+ 0.18	+ 0.25	+ 1.52	- 1.50
5262	- 0.16	+ 0.34	+ 0.49	- 0.88	- 0.12	+ 0.58	- 0.30	- 0.38	+ 0.78	+ 0.73
5263	- 0.44	+ 0.70	+ 1.64	+ 1.03	- 1.29	+ 0.63	- 0.51	- 1.18	+ 3.11	+ 1.25
5264	+ 0.61	- 0.13	- 0.46	+ 2.31	+ 2.37	+ 0.83	- 0.19	- 0.66	- 1.10	+ 3.92
3129	- 0.72	+ 0.16	+ 0.18	- 3.98	+ 0.28	- 0.57	+ 0.17	+ 0.20	+ 0.79	- 1.23
5265	- 0.59	+ 0.44	+ 0.63	- 4.14	- 0.41	+ 0.29	- 0.22	- 0.33	+ 5.32	- 0.13
3134	- 0.05	- 0.08	- 0.12	- 1.27	+ 0.30	- 0.69	+ 0.28	+ 0.37	- 3.56	- 0.25
3135	- 0.35	+ 0.20	+ 0.22	- 0.73	- 0.27	- 0.37	+ 0.07	+ 0.08	+ 0.32	- 0.83
3133	+ 0.16	- 0.01	- 0.04	- 2.22	+ 1.27	- 0.19	+ 0.02	+ 0.06	+ 3.45	- 1.56
3136	- 0.07	+ 0.39	+ 0.47	+ 0.58	- 0.44	+ 0.71	- 0.48	- 0.56	- 0.38	+ 1.22
5267	- 0.31	- 0.05	- 0.09	- 1.90	- 0.06	- 2.25	+ 1.05	+ 1.27	-10.22	- 1.47
5268	+ 0.26	- 0.14	- 0.68	+ 0.68	+ 1.34	- 0.13	+ 0.13	+ 0.66	- 1.23	- 0.53
3137	+ 0.22	- 0.14	- 0.28	+ 0.25	+ 0.55	+ 0.17	- 0.06	- 0.11	+ 2.18	- 0.35
5270	- 1.37	+ 2.05	+ 3.42	- 5.43	- 1.72	+ 0.41	- 0.14	- 0.22	+ 1.88	+ 0.38
5271	- 0.23	+ 0.07	+ 0.17	- 2.00	- 0.35	- 0.16	+ 0.05	+ 0.12	+ 0.77	- 0.57
5272	+ 0.07	- 0.12	- 0.18	- 2.60	+ 0.48	+ 0.32	- 0.24	- 0.36	- 2.26	+ 0.88
3139	+ 0.18	+ 0.06	+ 0.06	+ 2.80	- 0.86	+ 0.11	- 0.05	- 0.05	- 0.47	+ 0.46
3140	- 0.23	+ 0.94	+ 2.30	- 0.74	- 0.73	- 1.90	+ 0.86	+ 1.56	- 6.51	- 2.19
3142	+ 0.12	- 0.04	- 0.06	+ 1.15	- 0.04	+ 0.25	- 0.04	- 0.07	+ 4.78	- 0.71
5274	+ 0.06	- 0.02	- 0.17	- 4.46	+ 1.58	+ 0.21	- 0.03	- 0.24	- 3.19	+ 2.96
5275	- 0.21	+ 0.12	+ 0.70	- 1.92	- 1.16	- 0.09	+ 0.06	+ 0.41	+ 0.56	- 0.70
5276	- 0.22	+ 0.10	+ 0.41	+ 1.17	- 1.87	- 0.26	+ 0.07	+ 0.25	- 0.94	- 0.93
3141	+ 0.41	- 0.04	- 0.09	+ 2.15	+ 0.47	+ 0.09	- 0.04	- 0.09	+ 1.78	- 0.34
5277	- 0.03	+ 0.03	+ 0.30	- 2.31	- 0.04	+ 0.02	- 0.02	- 0.21	- 0.10	+ 0.30
5278	- 0.14	+ 0.08	+ 0.15	- 0.81	- 0.08	+ 0.63	- 0.16	- 0.29	+ 0.85	+ 1.21
5279	- 0.96	+ 0.67	+ 1.91	- 1.84	- 3.01	- 0.31	+ 0.05	+ 0.13	- 0.76	- 0.78
5280	+ 0.16	- 0.82	- 2.76	+ 1.38	+ 0.41	+ 0.33	- 0.37	- 0.87	+ 1.68	+ 0.61
3144	- 0.10	+ 0.08	+ 0.13	- 2.52	+ 0.87	- 0.50	+ 0.21	+ 0.34	- 2.29	- 0.35
3143	- 1.60	+ 1.28	+ 1.83	- 3.67	- 1.92	- 3.13	+ 0.90	+ 1.36	- 1.94	- 5.66
5281	- 0.12	+ 0.06	+ 0.10	- 5.03	+ 0.32	- 0.53	+ 0.16	+ 0.27	- 1.32	- 0.87
5282	+ 0.41	- 0.07	- 0.11	+ 0.49	+ 0.85	+ 0.77	- 0.30	- 0.68	+ 4.89	+ 0.83
3146	+ 0.23	- 0.20	- 0.21	- 0.10	+ 0.42	+ 0.05	- 0.02	- 0.02	+ 1.27	- 0.37
3145	- 1.63	+ 0.88	+ 1.30	- 4.56	- 1.93	- 1.75	+ 0.01	+ 0.00	- 6.62	- 1.25
3150	+ 1.45	- 0.24	- 0.28	- 0.31	+ 2.37	- 3.35	+ 0.89	+ 1.02	- 9.98	- 1.46
3148	- 0.03	- 0.09	- 0.13	- 1.75	+ 0.63	- 0.85	+ 0.28	+ 0.41	- 3.18	- 0.46

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
3125	0.75	0.52	0.54	1.61	0.92	1.03	0.56	0.58	2.73	1.37	2.03	2.75	1.47	3.44	1.26	
5252	1.10	0.85	0.94	2.85	1.66	1.02	0.75	0.81	3.02	1.43	0.83	0.74	0.93	0.69	0.66	
5253	1.01	1.00	1.12	3.40	1.16	1.07	0.80	0.86	3.61	1.27	0.83	0.34		0.35	1.34	
5254	1.34	0.50	0.51	4.03	2.15	1.41	0.52	0.53	4.16	2.44	3.38	0.81	2.30	2.66	0.58	
3121	1.08	0.40	0.41	2.45	1.54	1.02	0.51	0.52	2.42	1.38	2.72	0.76	2.84	2.15	0.70	t
3124	0.49	0.50	0.52	0.94	0.55	0.60	0.51	0.53	1.23	0.73	2.95	0.38	1.29	2.95	0.91	t
3120	1.56	0.48	0.48	3.78	2.01	1.71	0.52	0.53	4.22	2.41	1.44	0.36	2.06	1.14	0.16	
3126	0.67	0.48	0.50	1.27	0.84	0.91	0.50	0.52	1.93	1.24	1.46	0.35	0.63	1.46	0.94	t
3128	0.53	0.52	0.54	1.09	0.59	0.67	0.53	0.55	1.54	0.80	1.40	1.17	0.96	1.96	1.29	t
5256	0.89	0.65	0.71	2.43	1.30	0.85	0.73	0.82	2.43	1.16	1.36	2.72	1.90	1.67	1.30	
5257	0.81	0.58	0.63	3.05	1.11	0.94	0.80	0.92	3.37	1.32	1.38	2.08		2.42	0.81	
3130	0.71	0.72	0.75	1.42	0.78	0.75	0.48	0.49	1.61	0.84	0.59	0.71	0.65	0.97	0.41	t
5258	0.72	0.70	0.79	2.16	0.87	0.71	0.52	0.56	2.22	0.88	0.81	1.10	2.48	0.24	0.58	t
5259	0.86	0.70	0.79	3.25	1.15	0.91	0.66	0.73	3.44	1.30	1.71	1.99		1.39	0.81	t
5260	0.68	0.84	1.04	1.78	0.82	0.74	0.79	0.94	2.12	0.90	1.16	1.37		1.86	0.92	
3132	1.15	1.04	1.14	2.53	1.45	1.18	0.80	0.84	2.71	1.52	1.27	2.53	1.87	1.03	3.10	
5262	0.83	0.99	1.09	2.16	0.96	0.84	0.60	0.62	2.42	0.96	0.73	1.03	0.70	0.32	1.20	
5263	0.68	0.68	0.81	2.54	0.83	0.75	0.55	0.62	2.52	1.02	1.66	2.95	1.98	1.11	1.19	
5264	1.03	0.57	0.60	3.78	1.94	1.02	0.65	0.69	3.65	1.80	0.74	2.71	1.05	1.23	0.75	t
3129	0.82	0.40	0.40	1.70	0.92	0.95	0.48	0.49	1.94	1.13	2.40	1.17	1.52	2.38	0.85	t
5265	0.67	0.60	0.64	2.17	0.77	0.70	0.65	0.70	2.42	0.80	3.08	1.06	1.65	2.68	0.20	
3134	0.81	0.98	1.09	1.83	0.91	0.94	0.62	0.65	2.31	1.12	1.74	0.54	0.47	1.50	1.07	t
3135	0.66	0.51	0.52	1.33	0.67	0.79	0.46	0.47	1.41	0.98	0.68	1.06	1.69	0.74	1.72	t
3133	1.04	0.50	0.51	3.87	1.96	1.06	0.54	0.56	4.31	1.97	0.96	1.03	0.68	1.33	0.70	
3136	0.59	0.66	0.70	1.07	0.65	0.66	0.49	0.51	1.41	0.76	0.15	2.09	1.40	1.29	0.37	t
5267	1.08	1.06	1.12	2.90	1.19	1.07	0.76	0.78	3.01	1.19	3.74	1.93	2.55	2.76	0.33	t 3015
5268	0.90	0.77	0.90	2.71	1.49	0.92	0.85	1.04	2.62	1.43	0.81	1.29	0.77	0.32	0.89	t
3137	0.85	0.72	0.80	1.99	1.20	0.81	0.60	0.65	1.91	1.13	1.16	0.60	1.51	1.15	0.78	t
5270	0.84	0.96	1.10	2.29	0.98	0.96	0.59	0.61	2.72	1.23	3.56	3.52	2.02	1.57	0.40	
5271	0.75	0.54	0.59	3.03	1.03	0.81	0.60	0.65	3.25	1.19	0.68	0.73		0.64	0.95	
5272	0.74	0.94	1.12	2.37	0.84	0.76	0.69	0.75	2.42	0.90	1.20	1.20	1.24	1.73	0.68	
3139	0.97	0.56	0.57	1.92	1.00	1.08	0.52	0.53	2.01	1.30	1.38	0.85	2.05	1.73	0.62	t
3140	0.84	1.07	1.38	1.75	1.07	0.86	0.61	0.66	2.01	1.18	4.00	3.15	3.55	1.85	1.77	t
3142	0.79	0.50	0.52	2.14	0.97	0.92	0.46	0.48	2.51	1.27	1.97	0.47	0.85	2.02	1.25	t
5274	0.83	0.67	0.73	3.48	1.67	0.80	0.57	0.61	3.52	1.87	1.45	1.86	0.45	2.20	0.32	
5275	0.60	0.55	0.65	2.86	0.91	0.64	0.59	0.72	3.33	0.96	1.89	0.89		0.44	1.09	
5276	1.04	0.89	1.02	2.71	1.80	0.95	0.71	0.78	2.92	1.64	0.47	1.29	2.89	0.93	1.20	
3141	0.90	0.37	0.38	2.48	1.48	0.91	0.50	0.52	2.42	1.45	1.16	0.41	0.64	0.95	0.81	
5277	0.66	0.63	0.79	2.64	1.08	0.60	0.54	0.65	2.72	1.05	0.95	0.46	1.33	0.81	0.47	
5278	1.28	0.79	0.83	2.97	1.87	1.28	0.74	0.78	3.02	1.82	0.48	0.76	1.61	0.23	1.24	
5279	1.01	0.92	1.07	2.88	1.43	1.00	0.72	0.78	3.01	1.55	1.25	2.81	1.91	0.36	0.54	
5280	0.68	1.04	1.62	1.84	0.78	0.80	0.84	1.03	2.22	1.03	2.07	2.00		0.65	0.74	
3144	0.55	0.37	0.39	1.13	0.71	0.66	0.46	0.49	1.62	0.86	2.67	1.20	2.25	2.76	0.65	t
3143	0.77	0.72	0.78	1.67	0.94	0.91	0.57	0.60	2.21	1.19	3.33	6.23	6.05	1.74	2.75	t
5281	0.91	0.61	0.64	3.40	1.07	1.06	0.64	0.67	3.62	1.37	0.77	1.54		1.50	1.31	
5282	0.94	0.66	0.71	2.73	1.32	0.99	0.77	0.85	2.73	1.42	1.97	1.15	1.26	1.32	0.68	
3146	0.59	0.45	0.46	1.05	0.62	0.70	0.45	0.46	1.42	0.76	0.87	0.92	0.39	1.10	0.68	t
3145	1.13	1.05	1.20	2.71	1.35	1.27	1.02	1.16	3.01	1.67	3.00	2.11	2.54	1.79	0.15	t
3150	1.05	0.44	0.45	2.32	1.18	0.92	0.48	0.49	1.82	1.06	5.82	2.99	0.74	4.17	0.14	t
3148	1.03	0.53	0.55	2.36	1.36	0.99	0.61	0.64	2.11	1.29	1.77	0.77	0.51	1.40	0.93	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5283	71044	FX	26 Boo	14 31 46.948 053	- 13 11 30.294 50	- 21.20	+ 16.37
5284	71083	FX		14 32 11.947 718	- 10 56 7.036 58	- 5.95	+ 13.26
5285	71098	FX		14 32 21.784 947	- 17 52 52.350 53	- 25.86	- 2.01
3151	71115	BX		14 32 32.542 333	+ 22 15 36.208 69	- 126.33	+ 40.02
5286	71146	FX		14 33 3.019 722	+ 5 19 23.748 61	+ 8.37	- 81.86
3159	71196	RS		14 33 38.295 391	+ 79 39 37.534 07	- 99.51	+ 83.54
5288	71198	FX		14 33 40.660 483	- 40 43 41.567 38	- 5.52	- 3.89
5289	71203	FX		14 33 42.551 403	- 36 16 9.858 33	- 26.52	- 18.76
5291	71237	FX		14 34 6.411 922	+ 10 31 20.898 63	+ 17.12	+ 5.39
3154	71251	BX		14 34 15.934 455	+ 57 3 54.931 39	+ 217.79	- 232.34
3155	71280	BX		14 34 39.620 443	+ 49 22 6.080 71	- 45.94	+ 51.05
5293	71295	FX		14 34 50.729 222	- 20 26 21.774 23	+ 16.90	- 1.70
5294	71297	FX		14 34 51.673 827	+ 16 25 19.320 23	+ 9.92	- 16.91
3985	71348	BX		14 35 29.814 792	- 89 46 18.178 62	- 6.72	- 8.35
3152	71350	RS		14 35 29.451 677	- 73 41 39.513 38	- 19.98	- 17.22
5295	71403	FX	ϱ Lup	14 36 5.065 639	+ 61 13 44.992 41	+ 3.30	- 15.38
3157	71406	BX		14 36 6.872 471	+ 23 15 1.295 37	- 9.83	+ 27.43
3158	71536	RS		14 37 53.226 204	- 49 25 32.978 27	- 27.78	- 28.65
3160	71571	RS		14 38 13.987 382	+ 18 17 54.164 55	- 29.01	- 64.67
3161	71573	BX		14 38 15.222 348	+ 54 1 24.025 64	+ 17.35	- 18.63
5296	71588	FX		14 38 27.549 119	+ 19 51 22.329 23	- 47.62	+ 8.53
5297	71617	FX		14 38 48.556 102	- 43 0 3.159 54	- 27.72	- 16.53
5298	71624	FX		14 38 55.834 969	+ 79 47 14.674 62	+ 0.49	- 0.12
5300	71652	FX		14 39 22.011 234	- 25 1 43.019 80	+ 26.08	- 25.04
5301	71671	FX		14 39 36.664 406	- 46 17 57.974 61	+ 6.29	- 11.79
5302	71678	FX		14 39 39.026 972	- 63 32 43.526 18	+ 12.56	+ 12.88
5303	71725	FX		14 40 18.316 621	+ 87 12 53.170 62	- 10.70	+ 21.12
3162	71746	RS		14 40 32.759 696	- 56 26 26.742 79	- 12.72	- 8.87
5304	71760	FX		14 40 43.095 207	+ 34 16 47.083 04	- 29.98	- 1.77
3163	71832	RS		31 Boo	14 41 38.750 476	+ 8 9 42.349 84	- 10.26	+ 3.18
5305	71843	FX	14 41 45.826 629	+ 24 32 17.908 95	- 58.98	- 19.07	
3164	71890	BX	14 42 13.115 930	- 32 46 13.130 55	- 130.60	- 129.40	
3165	71934	BX	14 42 45.065 010	- 19 18 42.113 54	- 62.87	+ 18.35	
3166	72012	BX	14 43 44.434 262	+ 40 27 33.314 17	- 13.43	+ 20.80	
5306	72047	FX	14 44 13.676 005	- 8 15 6.935 59	- 202.70	+ 74.36	
5307	72181	FX	14 45 51.111 359	+ 71 57 58.152 83	- 30.22	+ 22.60	
3168	72208	BX	14 46 5.945 965	+ 15 7 54.432 67	- 84.93	+ 18.86	
3167	72210	RS	14 46 6.768 026	- 23 9 10.849 53	+ 24.70	- 62.42	
5309	72328	FX	14 47 24.260 560	+ 17 45 26.111 91	- 101.34	+ 29.22	
5310	72339	FX	14 47 32.727 522	- 0 16 53.312 99	- 128.57	- 140.74	
5311	72396	FX	14 48 6.474 818	+ 4 57 1.019 00	- 19.66	+ 22.19	
5312	72421	FX	14 48 29.322 106	+ 3 17 44.643 12	- 48.30	- 15.20	
5313	72435	FX	14 48 42.546 536	- 70 35 56.298 38	- 6.64	- 5.58	
3169	72449	BX	14 48 54.094 613	- 0 50 51.559 01	- 8.44	+ 16.69	
5314	72459	FX	14 49 1.736 462	- 35 33 1.070 34	+ 22.33	- 33.50	
5315	72491	FX	14 49 21.408 710	- 5 47 28.637 52	- 19.45	- 4.29	
3170	72499	RS	14 49 26.154 865	+ 10 2 38.966 31	- 55.39	- 84.59	
5316	72513	FX	14 49 35.162 001	+ 46 34 28.200 83	+ 96.16	- 158.94	
3171	72552	BX	14 49 58.398 555	+ 28 36 56.996 46	+ 18.30	- 0.45	
3172	72567	RS	14 50 15.810 834	+ 23 54 42.644 13	+ 144.20	+ 33.00	

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5283	90.80	0.89	0.64	91.08	0.88	0.73	4.43	1.09	H		8.17		11	1	3
5284	90.92	0.89	0.61	91.29	0.66	0.62	2.95	1.02	H		8.37		15	1	3
5285	90.98	1.00	0.61	91.32	0.72	0.63	4.88	1.13	H		8.49		11	1	3
3151	91.06	0.56	0.43	91.01	0.52	0.43	19.44	0.77	H	- 12.4	5.91		19	1	1
5286	91.59	0.71	0.62	91.73	0.64	0.60	5.47	1.12	H		6.85		31		
3159	91.58	0.49	0.46	91.21	0.46	0.50	7.07	0.54	H	- 22.6	6.27		19	1	1
5288	91.27	1.18	0.97	91.51	0.79	0.90	2.30	0.32	P		9.48		33		
5289	91.35	1.14	1.00	91.50	0.89	1.03	2.43	0.56	P		9.18		11	1	3
5291	91.42	0.85	0.60	91.28	0.65	0.57	8.25	0.99	H	- 4.5	8.02		11	1	3
3154	91.51	0.46	0.42	91.29	0.46	0.48	34.46	0.54	H	- 21.8	6.46		11	1	3
3155	91.33	0.43	0.34	91.45	0.46	0.39	4.17	0.60	H	- 20.1	5.74	1	19	1	1
5293	91.30	0.78	0.51	91.33	0.50	0.43	5.32	0.95	H	+ 2.0	6.49		11	1	3
5294	90.93	0.86	0.74	91.13	0.85	0.70	2.41	1.32	H		9.35		31		
3985	91.15	0.48	0.43	91.23	0.50	0.52	2.08	0.57	H	- 3.5	6.82	2	23	2	
3152	91.36	0.51	0.59	91.16	0.52	0.59	.91	0.75	H		6.96		31		
5295	91.36	0.75	0.65	90.98	0.73	0.70	5.05	0.86	H		9.21		11	1	3
3157	91.15	0.60	0.44	91.19	0.53	0.44	8.65	0.75	H	+ 7.2	6.39		11	1	3
3158	91.29	0.49	0.43	91.32	0.39	0.54	10.51	0.71	H	+ 8.	4.05	1	11	1	3
3160	90.91	0.49	0.46	90.93	0.47	0.48	8.88	0.74	H	- 14.4	5.90		11	1	3
3161	91.44	0.44	0.35	91.49	0.45	0.42	7.61	0.53	H	- 3.	5.83		19	1	1
5296	90.97	0.68	0.66	91.01	0.65	0.63	16.16	0.96	H		8.07		11	1	3
5297	91.31	0.85	0.61	91.49	0.47	0.68	4.86	1.06	H		7.61		31		
5298	91.45	0.55	0.53	91.18	0.51	0.49	2.78	0.59	H		7.29	1	11	1	3
5300	91.19	0.76	0.59	91.32	0.54	0.54	4.98	0.88	H	+ 11.8	7.18		11	1	3
5301	91.20	0.66	0.70	91.52	0.52	0.74	3.60	0.83	P		8.08		11	1	3
5302	91.05	0.51	0.62	91.05	0.70	0.83	2.30	1.03	H		7.61		15	1	3
5303	91.35	0.48	0.42	91.33	0.53	0.48	3.06	0.56	H	- 27.1	6.91		11	1	3
3162	90.95	0.57	0.69	91.27	0.46	0.66	3.24	0.80	H	- 5.3	6.30		11	1	3
5304	91.32	0.52	0.47	91.26	0.69	0.60	3.00	1.02	H		8.83		11	1	3
3163	91.30	0.64	0.46	91.37	0.52	0.51	5.66	0.82	H	- 22.0	4.86		19	1	1
5305	91.15	0.68	0.68	91.09	0.56	0.56	16.90	0.86	H	- 0.5	7.66		11	1	3
3164	90.99	0.83	0.76	91.27	0.57	0.77	15.88	1.07	H	- 37.	6.63		21	2	
3165	91.10	0.88	0.58	91.35	0.55	0.52	6.58	1.03	H		6.87		31		
3166	91.32	0.41	0.36	91.35	0.45	0.43	4.11	0.58	H	+ 12.0	5.72	1	18		
5306	91.09	0.80	0.61	91.37	0.82	0.63	24.18	1.38	H		6.64		11	1	3
5307	91.17	0.62	0.70	91.18	0.64	0.62	4.76	0.70	H		7.52		11	1	3
3168	91.32	0.72	0.46	91.19	0.55	0.44	3.59	0.86	H	- 22.3	5.78	2	13		
3167	91.08	0.79	0.51	91.31	0.50	0.48	8.91	0.96	H	+ 7.3	5.80		29	2	
5309	91.02	0.62	0.58	91.13	0.72	0.66	12.48	1.03	H		8.41		31		
5310	90.80	1.03	1.03	91.38	1.02	1.10	33.60	1.51	H		8.04		19	1	1
5311	91.01	1.62	0.96	91.36	1.08	0.90	2.72	1.81	H		9.10		31		
5312	91.18	1.05	0.70	91.24	0.62	0.68	7.19	1.13	H		8.39		11	1	3
5313	91.09	0.51	0.55	91.02	0.59	0.65	1.69	0.80	H		7.37		11	1	3
3169	91.03	0.82	0.47	91.48	0.83	0.52	9.24	1.31	H	- 16.0	6.15		11	1	3
5314	91.22	1.08	0.94	91.41	0.92	1.06	6.80	0.94	P		7.63		31		
5315	90.91	0.85	0.80	91.06	0.72	0.70	1.94	0.98	H		7.92	1	11	1	3
3170	91.31	0.71	0.61	91.18	0.58	0.64	6.32	0.93	H		6.64		11	1	3
5316	91.36	0.52	0.54	91.10	0.52	0.57	13.30	0.67	H		7.53		31		
3171	91.61	0.39	0.33	91.06	0.44	0.40	11.06	0.65	H	+ 1.4	5.80		18		
3172	91.14	0.49	0.59	91.17	0.41	0.52	55.73	0.80	H	- 2.5	5.86	1	18		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5283	+ 0.07	- 0.58	- 1.64	+ 0.10	+ 0.30	- 0.58	+ 0.94	+ 2.28	- 3.96	- 0.82
5284	- 0.27	+ 0.45	+ 0.99	+ 1.20	- 0.92	- 0.37	+ 0.15	+ 0.30	- 2.73	- 0.31
5285	- 0.27	+ 0.83	+ 1.61	+ 0.76	- 0.76	+ 0.21	- 0.23	- 0.45	+ 0.15	+ 0.47
3151	+ 0.07	- 0.12	- 0.15	+ 0.71	- 0.21	- 0.41	+ 0.32	+ 0.36	- 1.54	- 0.06
5286	+ 1.14	- 0.89	- 1.63	+ 1.23	+ 2.15	- 0.14	+ 0.50	+ 1.00	- 4.20	+ 0.03
3159	+ 0.88	- 0.35	- 0.50	+ 1.66	+ 1.07	- 1.47	+ 0.24	+ 0.43	- 2.95	- 2.81
5288	- 0.57	+ 0.53	+ 2.63	- 4.54	- 1.99	- 0.07	+ 0.01	- 0.20	- 2.42	+ 0.65
5289	- 0.25	+ 0.25	+ 1.61	- 0.04	- 2.46	+ 0.33	- 0.29	- 1.86	+ 6.70	+ 0.77
5291	+ 0.06	+ 0.00	+ 0.02	- 1.35	+ 0.19	+ 0.53	- 0.28	- 0.41	- 4.53	+ 1.45
3154	+ 0.93	- 0.53	- 0.58	- 0.29	+ 1.88	+ 0.32	- 0.12	- 0.14	+ 1.74	- 0.33
3155	- 0.01	+ 0.08	+ 0.11	+ 0.04	- 0.04	+ 0.80	- 0.46	- 0.64	+ 0.24	+ 1.48
5293	+ 0.07	- 0.17	- 0.26	+ 0.69	+ 0.01	- 0.14	+ 0.17	+ 0.24	- 1.30	- 0.06
5294	+ 0.27	- 0.03	+ 0.11	- 3.12	+ 1.22	+ 0.81	- 0.39	- 1.27	+ 8.08	+ 1.37
3985	+ 1.96	- 1.09	- 2.13	+ 0.30	+ 4.83	- 0.18	- 0.17	- 0.43	+ 2.01	- 0.12
3152	- 0.29	+ 0.04	+ 0.35	+ 2.00	- 4.23	+ 0.12	+ 0.00	- 0.08	- 2.76	+ 2.80
5295	+ 0.15	- 0.06	- 0.14	+ 1.90	+ 0.16	+ 0.33	- 0.12	- 0.27	- 2.67	+ 1.19
3157	- 0.13	+ 0.24	+ 0.30	+ 0.08	- 0.30	+ 0.12	- 0.18	- 0.22	- 1.09	+ 0.63
3158	+ 0.77	+ 0.00	+ 0.00	+ 2.38	+ 0.58	+ 1.26	- 0.28	- 0.40	- 0.95	+ 2.65
3160	+ 0.00	- 0.05	- 0.09	+ 0.99	- 0.27	- 0.51	+ 0.10	+ 0.16	- 2.78	- 0.03
3161	- 0.23	+ 0.17	+ 0.19	+ 0.84	- 0.67	+ 0.84	- 0.32	- 0.41	+ 0.01	+ 1.47
5296	- 1.48	+ 0.47	+ 0.67	- 5.26	- 1.65	- 0.44	- 0.10	- 0.16	- 3.87	- 0.04
5297	- 0.44	+ 0.38	+ 0.83	- 1.50	- 0.88	+ 1.33	- 0.80	- 1.66	+ 3.80	+ 2.40
5298	- 0.48	+ 0.25	+ 0.56	+ 2.67	- 1.56	+ 0.56	- 0.25	- 0.53	+ 3.40	+ 0.90
5300	+ 0.92	- 0.58	- 1.02	+ 1.95	+ 1.59	- 0.41	+ 0.24	+ 0.43	- 0.62	- 0.76
5301	+ 0.44	- 0.10	- 0.22	+ 3.49	+ 0.25	+ 0.69	- 0.33	- 0.84	+ 2.98	+ 1.43
5302	- 0.35	+ 0.06	+ 0.20	+ 3.04	- 2.36	+ 0.26	- 0.05	- 0.26	+ 4.28	+ 0.18
5303	- 0.02	- 0.05	- 0.10	- 0.70	+ 0.06	- 0.36	+ 0.33	+ 0.56	- 2.14	- 0.49
3162	- 0.09	+ 0.01	+ 0.06	+ 5.57	- 1.81	- 0.85	+ 0.11	+ 0.46	- 1.01	- 4.38
5304	+ 0.12	- 0.02	- 0.03	- 0.62	+ 0.32	- 0.23	+ 0.12	+ 0.27	+ 1.70	- 0.82
3163	- 0.06	+ 0.05	+ 0.05	- 0.14	- 0.07	- 0.18	+ 0.04	+ 0.07	- 0.62	- 0.17
5305	- 1.19	+ 0.30	+ 0.44	- 2.03	- 1.66	- 1.17	+ 0.25	+ 0.33	+ 1.24	- 2.09
3164	+ 0.04	+ 0.04	+ 0.06	- 0.05	+ 0.08	+ 0.13	- 0.15	- 0.20	- 9.48	+ 3.77
3165	+ 0.43	- 1.14	- 1.90	+ 1.53	+ 0.48	+ 0.33	- 0.14	- 0.13	- 0.99	+ 0.76
3166	- 0.06	+ 0.02	+ 0.03	- 0.59	+ 0.16	+ 0.04	+ 0.00	- 0.01	+ 0.57	- 0.07
5306	- 0.67	+ 1.03	+ 1.27	+ 1.99	- 1.18	- 0.48	+ 0.17	+ 0.14	- 0.80	- 0.51
5307	+ 0.20	- 0.15	- 0.29	- 0.62	+ 0.53	- 0.51	+ 0.28	+ 0.51	- 0.44	- 1.01
3168	+ 0.05	- 0.07	- 0.14	+ 1.59	- 0.55	- 0.19	+ 0.27	+ 0.41	+ 1.71	- 0.83
3167	- 0.03	+ 0.76	+ 1.15	+ 0.23	- 0.24	+ 1.13	- 1.22	- 1.62	+ 2.75	+ 1.16
5309	- 1.27	+ 0.09	+ 0.04	- 3.03	- 1.36	- 2.15	+ 0.85	+ 1.23	- 2.24	- 3.17
5310	+ 1.08	- 0.66	- 1.03	+ 2.80	+ 1.25	+ 0.38	- 0.03	- 0.05	+ 7.74	- 2.09
5311	+ 0.01	+ 0.47	+ 3.80	+ 5.34	- 1.44	+ 0.53	- 0.72	- 3.40	+ 2.15	+ 2.19
5312	+ 0.24	- 0.41	- 0.73	+ 3.42	- 0.10	+ 0.12	+ 0.01	+ 0.04	+ 4.17	- 0.66
5313	+ 0.01	+ 0.03	+ 0.12	- 0.54	+ 0.12	- 0.39	+ 0.11	+ 0.49	+ 1.02	- 2.47
3169	+ 0.02	- 0.04	- 0.06	+ 0.63	- 0.24	- 0.10	+ 0.13	+ 0.19	- 1.43	+ 0.25
5314	- 0.56	- 0.01	- 0.19	- 1.91	- 0.85	- 0.92	+ 0.50	+ 1.38	- 7.55	- 0.43
5315	- 0.11	+ 0.13	+ 0.54	- 3.44	+ 0.30	+ 0.21	- 0.11	- 0.40	+ 2.00	+ 0.39
3170	- 0.81	+ 0.24	+ 0.36	- 3.26	- 0.77	- 1.11	+ 0.15	+ 0.32	- 5.25	- 1.22
5316	+ 0.93	- 0.36	- 0.47	- 3.14	+ 1.76	+ 1.10	- 0.35	- 0.48	- 2.19	+ 1.96
3171	- 0.83	+ 0.44	+ 0.50	- 1.06	- 0.87	+ 0.16	- 0.23	- 0.27	+ 1.90	- 0.41
3172	- 0.01	+ 0.43	+ 0.53	+ 0.72	- 0.49	+ 1.19	- 0.48	- 0.58	+ 0.58	+ 1.90

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5283	0.70	0.97	1.27	2.08	0.80	0.85	0.94	1.17	2.32	1.07	2.13	2.45		1.23	1.05	
5284	0.68	0.83	1.07	1.96	0.82	0.79	0.72	0.85	2.22	1.05	1.57	1.28		1.40	1.23	t
5285	0.68	0.95	1.18	2.04	0.77	0.82	0.76	0.85	2.22	1.04	1.79	0.44		0.71	1.17	t
3151	0.63	0.62	0.64	1.14	0.69	0.66	0.57	0.59	1.31	0.73	1.44	0.46	1.93	1.20	0.67	t
5286	0.86	0.75	0.84	2.87	1.05	0.82	0.74	0.83	3.02	0.97	1.89	2.83	2.07	1.37	1.63	
3159	0.83	0.52	0.54	1.67	1.09	1.14	0.52	0.53	3.03	1.71	1.65	2.21	0.36	0.30	1.58	t
5288	1.07	1.06	1.36	2.46	1.70	0.98	1.02	1.36	2.33	1.40	2.14	2.72		1.42	0.39	t
5289	1.18	1.05	1.28	3.31	2.08	1.19	1.09	1.36	3.62	1.95	1.87	2.24		1.57	1.86	
5291	0.75	0.83	0.92	2.83	0.82	0.88	0.68	0.72	2.91	1.03	1.51	1.46		2.00	1.49	
3154	0.76	0.50	0.51	1.27	0.89	1.11	0.52	0.53	2.02	1.41	0.92	2.39	0.78	1.63	0.94	t
3155	0.50	0.45	0.47	1.03	0.58	0.60	0.46	0.49	1.23	0.77	0.67	2.32	0.85	0.86	0.93	t
5293	0.59	0.77	0.88	1.63	0.67	0.56	0.60	0.65	1.82	0.61	0.94	0.40	1.85	0.75	1.03	t
5294	0.87	0.84	1.05	2.92	1.17	0.88	0.77	0.91	2.92	1.28	1.95	3.20		2.52	1.11	
3985	0.61	0.49	0.54	1.60	0.82	0.83	0.54	0.57	2.72	1.46	1.68	7.10	1.27	2.62	1.11	t
3152	0.79	0.60	0.63	3.73	1.97	0.80	0.59	0.62	4.01	2.28	0.79	2.54	1.28	1.90	0.64	
5295	0.99	0.71	0.77	4.09	1.30	1.08	0.75	0.81	4.32	1.50	0.87	0.74		0.94	0.39	
3157	0.57	0.65	0.69	1.00	0.69	0.64	0.57	0.60	1.31	0.76	0.64	1.02	1.24	1.18	1.07	
3158	1.07	0.46	0.47	2.37	1.41	1.06	0.59	0.61	2.61	1.36	1.00	2.11	1.74	1.39	1.73	
3160	0.86	0.53	0.55	2.01	1.02	1.02	0.54	0.56	2.31	1.37	1.33	0.21	1.85	1.17	0.18	
3161	0.58	0.43	0.44	1.19	0.64	0.75	0.48	0.50	1.62	0.93	0.57	2.13	0.25	1.36	0.96	t
5296	1.17	0.74	0.78	3.70	1.40	1.19	0.70	0.73	3.71	1.45	1.45	1.87		1.33	1.34	
5297	0.97	0.67	0.73	2.35	1.41	0.94	0.76	0.85	2.33	1.31	2.37	2.73	0.45	0.57	1.82	
5298	0.78	0.58	0.63	3.03	1.05	0.75	0.54	0.58	2.77	1.02	1.55	2.07	1.63	1.57	0.68	
5300	0.85	0.69	0.75	2.49	1.07	0.86	0.60	0.64	2.62	1.11	1.20	2.16	1.88	0.14	0.45	
5301	0.97	0.76	0.84	2.63	1.47	0.97	0.81	0.92	2.63	1.43	1.95	1.38	1.63	1.19	1.17	
5302	0.92	0.64	0.69	3.20	1.63	1.05	0.86	0.97	3.43	1.87	1.53	1.48	1.77	1.83	1.85	t
5303	0.68	0.47	0.50	2.69	0.84	0.62	0.59	0.66	2.54	0.72	1.05	1.08	2.19	0.68	0.87	
3162	1.15	0.70	0.73	4.90	2.34	1.13	0.67	0.70	4.81	2.22	1.15	2.21	0.80	1.50	0.60	
5304	0.74	0.51	0.55	2.77	0.96	0.81	0.67	0.75	2.92	1.07	0.91	0.52		0.87	0.23	
3163	0.63	0.64	0.70	1.66	0.69	0.84	0.60	0.64	2.11	1.07	0.34	0.25	1.37	0.19	0.26	t
5305	1.24	0.75	0.78	3.17	1.57	1.12	0.61	0.63	3.21	1.35	0.80	2.06	0.86	0.96	0.59	
3164	1.19	0.90	0.96	2.66	1.50	1.22	0.90	0.97	2.71	1.58	3.23	2.16	1.56	4.23	1.14	
3165	0.66	0.96	1.15	1.45	0.76	0.71	0.66	0.72	1.81	0.83	1.88	2.00	2.93	1.09	2.22	
3166	0.55	0.44	0.46	1.07	0.69	0.79	0.47	0.49	2.02	1.06	0.60	0.17	0.11	0.66	0.22	t
5306	0.77	1.00	1.10	2.43	0.80	0.80	1.02	1.12	2.52	0.84	0.42	2.11	1.52	1.25	1.25	
5307	0.89	0.83	0.94	3.04	1.11	0.87	0.70	0.77	3.14	1.09	0.31	1.28	1.46	0.39	1.27	
3168	0.52	0.72	0.85	1.04	0.63	0.55	0.59	0.66	1.32	0.66	1.58	1.40	0.70	2.46	1.00	t
3167	0.61	0.84	0.94	1.28	0.71	0.67	0.66	0.71	1.61	0.77	2.50	2.72	4.00	0.95	1.17	t
5309	0.96	0.70	0.74	2.74	1.13	1.02	0.79	0.85	2.72	1.24	1.66	3.31	2.24	0.64	0.99	
5310	1.47	1.22	1.32	3.03	1.99	1.57	1.29	1.40	3.51	2.08	1.22	2.39		2.45	1.90	t 3016
5311	0.99	1.24	2.20	2.88	1.17	1.00	1.03	1.41	3.31	1.32	3.22	1.64		2.18	1.94	
5312	0.81	1.01	1.20	2.29	0.93	0.94	0.81	0.89	2.62	1.17	0.60	2.23		2.21	0.75	
5313	0.86	0.56	0.59	3.27	1.81	0.88	0.67	0.74	3.34	1.59	0.25	1.69	0.45	0.96	0.45	
3169	0.58	0.78	0.85	1.09	0.67	0.64	0.82	0.90	1.41	0.73	1.05	0.17	1.34	1.26	1.42	t
5314	1.30	1.04	1.20	3.20	1.98	1.33	1.20	1.44	3.22	1.95	2.63	0.85	1.46	1.91	0.93	
5315	0.88	0.91	1.19	2.43	1.21	0.86	0.75	0.87	2.52	1.33	0.52	1.73		1.49	1.55	
3170	0.95	0.69	0.74	2.38	1.23	1.11	0.68	0.73	3.01	1.62	2.35	1.23	0.49	1.50	0.28	
5316	0.95	0.61	0.63	3.12	1.07	1.05	0.63	0.65	3.62	1.22	0.96	2.51	2.66	1.84	1.73	
3171	0.59	0.40	0.41	1.08	0.67	0.64	0.50	0.51	1.31	0.75	2.01	1.78	2.47	1.54	1.36	t
3172	0.95	0.79	0.82	1.67	1.06	1.09	0.64	0.66	2.01	1.34	0.57	1.73	0.78	0.82	1.53	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5317	72610	FX		14 50 43.978882	- 55 0 33.30859	+ 4.98	+ 1.26
5318	72794	FX		14 52 43.763867	+ 31 55 30.07806	- 7.13	- 13.22
3173	72800	BX		14 52 51.073948	- 37 48 11.37862	- 20.20	- 18.22
5319	72840	FX		14 53 18.168425	- 21 36 16.61068	- 1.31	+ 14.28
5320	72866	FX		14 53 38.356975	+ 24 49 47.63234	- 84.84	+ 30.74
5321	72880	FX		14 53 45.235322	+ 42 58 55.01827	- 33.47	+ 11.40
3174	73036	BX		14 55 34.560634	- 60 6 51.00031	- 125.56	- 113.33
5322	73048	FX		14 55 44.251093	+ 37 58 27.08232	+ 6.48	+ 0.68
3176	73095	RS		14 56 17.251491	- 52 48 34.37073	+ 27.41	+ 8.09
3179	73100	BX		14 56 23.040845	+ 49 37 42.41668	+ 111.59	- 226.40
5323	73119	FX		14 56 39.335053	+ 84 1 37.63725	+ 14.01	- 3.23
5324	73150	FX		14 56 57.455655	- 26 17 6.08738	- 18.88	- 25.26
3177	73165	RS	16 Lib	14 57 10.999675	- 4 20 47.25818	- 97.65	- 153.98
3175	73223	BX		14 57 52.983760	- 76 39 45.55848	- 68.67	- 16.01
5325	73253	FX		14 58 16.174006	+ 14 2 15.39822	- 31.60	+ 9.68
5327	73296	FX		14 58 45.468726	- 23 51 2.18498	- 21.78	- 22.09
5328	73311	FX		14 58 53.718891	+ 10 21 17.43212	- 13.75	- 16.85
5329	73318	FX		14 58 56.686661	- 46 2 37.30485	- 11.38	- 11.49
5330	73333	FX		14 59 9.418284	- 41 5 3.27280	- 22.29	+ 0.78
3180	73341	BX		14 59 13.925145	- 37 52 52.44111	- 18.71	- 20.93
5331	73355	FX		14 59 27.996672	+ 20 22 16.00544	+ 14.76	- 7.59
5332	73358	FX		14 59 30.052527	- 3 8 27.37826	- 23.16	- 29.08
3182	73369	BX	40 Boo	14 59 36.947039	+ 39 15 55.19647	- 31.79	+ 41.42
5333	73416	FX		15 0 13.352500	- 14 43 42.72105	- 19.50	- 8.94
5334	73433	FX		15 0 22.869791	- 18 37 38.23245	+ 65.91	- 8.00
5335	73456	FX		15 0 40.832446	+ 6 1 53.93173	- 13.71	- 10.72
5336	73458	FX		15 0 44.928153	- 59 48 42.38707	+ 26.54	- 40.69
3183	73497	RS		15 1 19.826206	- 2 45 17.73188	+ 27.87	- 22.00
3181	73500	BX		15 1 22.600377	- 71 29 26.91959	- 12.63	- 20.19
3987	73540	BX	π^1 Oct	15 1 50.798027	- 83 13 39.52398	+ 18.95	+ 53.56
3185	73568	RS	ω Boo	15 2 6.508503	+ 25 0 29.29421	- 5.65	- 49.03
3187	73593	RS	9 UMi	15 2 33.051823	+ 16 3 17.87487	- 214.87	+ 86.79
3190	73620	BX	110 Vir	15 2 54.037678	+ 2 5 28.70081	- 55.41	+ 14.15
5337	73622	FX		15 2 57.420791	- 47 56 31.14493	- 7.38	- 9.08
3191	73634	BX		15 3 6.055074	+ 35 12 20.86262	- 39.94	+ 9.17
5338	73791	FX		15 4 55.896974	- 86 28 17.39865	+ 22.30	+ 27.83
5339	73875	FX		15 5 55.783067	+ 53 41 53.15757	+ 4.85	+ 7.07
5340	73887	FX		15 6 4.800530	+ 28 59 58.34769	+ 0.07	- 7.78
3193	73945	BX	ν Lib	15 6 37.596156	- 16 15 24.54090	- 36.52	- 22.91
5341	74004	FX		15 7 24.772869	+ 0 1 45.39631	- 3.80	+ 6.01
3196	74026	BX		15 7 40.323008	+ 5 29 52.94606	- 1.55	- 19.92
5342	74033	FX		15 7 46.499702	+ 8 52 47.18704	- 518.44	- 57.96
3194	74066	RS		15 8 12.124462	- 40 35 2.14663	- 28.72	- 30.27
5344	74074	FX		15 8 15.129408	+ 57 39 25.27799	+ 15.06	- 26.95
3197	74083	BX		15 8 19.538070	+ 50 3 17.83974	- 3.27	- 20.87
5345	74122	FX		15 8 53.896878	- 59 8 31.72022	- 10.57	- 10.55
5346	74149	FX		15 9 4.669108	- 28 21 45.52785	+ 32.42	- 10.57
5347	74188	FX		15 9 34.616629	- 5 23 41.80342	- 172.35	- 62.82
5348	74301	FX		15 11 13.512011	- 13 3 15.52245	- 19.83	- 0.83
5351	74361	FX		15 11 48.299034	- 15 13 53.19926	+ 9.39	- 13.23

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5317	91.15	0.63	0.66	91.19	0.58	0.69	2.12	0.83	H		7.12		11	1	3
5318	91.25	0.43	0.50	91.47	0.55	0.61	6.35	0.78	H		6.89		11	1	3
3173	91.08	0.61	0.61	91.04	0.56	0.56	8.49	0.76	H	+ 6.1	5.02	1	11	1	3
5319	91.05	0.90	0.69	91.30	0.61	0.61	4.60	0.64	P		8.60		11	1	3
5320	91.03	0.89	0.82	91.12	0.72	0.71	6.47	1.24	H		9.00		31		
5321	91.16	0.70	0.71	91.03	0.71	0.71	.97	0.93	H		8.69		31		
3174	91.13	0.53	0.59	91.33	0.44	0.63	18.87	0.80	H	- 14.2	5.18		11	1	3
5322	91.30	0.59	0.54	91.33	0.62	0.60	5.02	0.87	H	+ 7.7	8.71		11	1	3
3176	91.28	0.46	0.42	91.45	0.42	0.49	15.08	0.72	H	+ 7.	5.38		18		
3179	91.21	0.43	0.41	91.15	0.43	0.42	40.25	0.54	H	- 15.2	5.63		19	1	1
5323	91.22	0.54	0.54	91.18	0.61	0.60	3.78	0.67	H		8.22		31		
5324	91.28	0.85	1.00	91.22	0.47	0.72	8.24	0.87	H		6.91		31		
3177	90.84	0.69	0.63	91.32	0.67	0.70	35.83	0.91	H	+ 21.7	4.47		11	1	3
3175	91.41	0.40	0.40	91.14	0.43	0.45	7.62	0.56	H	- 31.2	5.37		11	1	3
5325	91.49	0.68	0.58	91.30	0.54	0.51	5.10	0.82	H		6.77		31		
5327	91.20	1.14	0.81	91.23	0.70	0.73	2.86	0.66	P		8.97		11	1	3
5328	91.36	0.83	0.65	91.33	0.81	0.69	3.05	1.12	H		8.88		11	1	3
5329	91.22	0.71	0.69	91.17	0.71	0.76	2.41	1.03	H		8.47		11	1	3
5330	91.24	1.06	0.92	91.25	1.04	1.02	3.50	0.81	P		8.34		11	1	3
3180	91.24	0.68	0.63	91.36	0.70	0.65	5.21	1.01	H	+ 15.	6.45		19	1	1
5331	91.21	0.72	0.71	91.37	0.80	0.73	4.14	1.26	H		8.56		31		
5332	90.79	0.99	0.73	90.81	0.77	0.73	11.95	1.17	H		8.31		31		
3182	91.34	0.41	0.36	91.33	0.44	0.43	19.83	0.57	H	+ 12.3	5.64		11	1	3
5333	90.90	1.23	0.79	91.40	0.81	0.71	6.06	1.40	P		9.04		11	1	3
5334	90.97	0.81	0.58	91.26	0.61	0.54	3.13	0.98	H		7.81		11	1	3
5335	91.04	1.19	0.93	90.69	1.20	1.02	2.59	1.67	H		8.48		13		
5336	91.10	0.70	0.68	91.20	0.67	0.68	10.24	0.95	H		7.32		11	1	3
3183	90.94	0.68	0.60	91.04	0.57	0.55	5.78	0.80	H	- 14.9	5.52	1	19	1	1
3181	91.22	0.43	0.41	91.18	0.49	0.51	3.71	0.67	H	- 11.	6.72		38		
3987	91.33	0.40	0.40	91.19	0.40	0.45	8.39	0.50	H	+ 13.6	5.65		31		
3185	91.03	0.53	0.47	91.20	0.45	0.46	9.07	0.74	H	+ 13.5	4.80	1	11	1	3
3187	91.66	0.68	0.62	91.38	0.54	0.67	28.29	0.93	H	- 34.4	7.01		21	2	
3190	90.61	0.82	0.60	90.97	0.62	0.56	17.78	0.90	H	- 16.1	4.39		11	1	3
5337	91.32	0.59	0.57	91.23	0.57	0.64	1.99	0.81	H		6.86		35		
3191	91.27	0.37	0.39	91.27	0.42	0.45	11.85	0.60	H	- 26.7	5.52		15	1	3
5338	91.39	0.58	0.57	91.15	0.54	0.56	4.39	0.66	H		7.69		11	1	3
5339	91.29	0.76	0.55	91.35	0.71	0.58	4.07	0.90	H		9.19		11	1	3
5340	91.86	0.74	0.62	91.27	0.86	0.77	1.76	1.36	H	- 8.5	9.39		11	1	3
3193	91.05	0.68	0.57	91.16	0.50	0.51	4.26	0.80	H	- 15.1	5.19		11	1	3
5341	90.91	0.91	0.68	91.27	0.67	0.60	2.31	1.06	H		7.85		31		
3196	91.01	0.79	0.59	91.02	0.61	0.53	6.11	0.83	H	+ 3.	6.16		28	2	
5342	91.05	1.19	0.86	90.92	0.96	0.86	15.40	1.37	H	- 60.6	8.26		18		
3194	91.45	0.65	0.57	91.32	0.51	0.60	7.90	0.85	H	+ 2.8	5.75	2	17		
5344	91.48	0.49	0.48	91.25	0.53	0.53	2.29	0.60	H		7.72	1	11	1	3
3197	91.21	0.46	0.38	91.12	0.45	0.43	7.71	0.54	H	- 28.7	6.33		31		
5345	90.95	0.69	0.82	91.14	0.58	0.70	2.29	0.85	H		6.87		11	1	3
5346	91.25	0.82	0.86	91.06	0.70	0.78	10.59	1.09	H		7.67		11	1	3
5347	91.04	0.87	0.64	91.21	0.63	0.51	12.17	1.00	H		7.12		21	2	
5348	91.18	0.83	0.62	91.40	0.65	0.63	3.40	1.08	H	- 37.	7.36		11	1	3
5351	91.25	1.12	0.77	91.48	0.75	0.79	2.97	0.68	P		9.06		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5317	+ 0.24	- 0.03	- 0.14	+ 0.25	+ 1.45	+ 0.60	- 0.12	- 0.58	+ 2.72	+ 2.78
5318	- 1.22	+ 0.37	+ 0.57	- 1.52	- 1.94	- 0.22	+ 0.01	+ 0.00	- 0.17	- 0.34
3173	+ 0.43	- 0.27	- 0.40	+ 0.61	+ 0.68	- 0.31	+ 0.18	+ 0.26	- 1.06	- 0.21
5319	- 0.14	+ 0.15	+ 0.29	+ 0.01	- 0.32	- 0.22	+ 0.11	+ 0.19	+ 2.54	- 0.99
5320	+ 0.52	- 0.95	- 2.11	+ 4.81	+ 0.60	- 0.70	+ 0.65	+ 1.38	- 5.42	- 0.50
5321	- 0.10	+ 0.04	+ 0.18	+ 8.29	- 1.70	+ 0.21	- 0.10	- 0.68	+ 3.73	+ 1.00
3174	+ 0.09	- 0.09	- 0.13	+ 1.94	- 0.78	- 1.09	+ 0.86	+ 1.08	- 0.52	- 1.73
5322	+ 0.68	- 0.45	- 0.73	+ 5.17	+ 0.69	+ 0.00	- 0.09	- 0.17	+ 3.21	- 0.36
3176	- 0.82	+ 0.13	+ 0.18	- 1.94	- 0.78	+ 0.47	- 0.14	- 0.19	- 1.68	+ 1.52
3179	+ 1.23	- 0.73	- 0.80	+ 2.69	+ 0.79	+ 0.47	- 0.04	- 0.05	+ 0.66	+ 0.46
5323	- 0.93	+ 0.52	+ 0.93	+ 0.98	- 2.01	- 0.35	+ 0.13	+ 0.25	- 3.21	- 0.36
5324	+ 0.38	- 0.72	- 1.72	+ 5.49	- 0.29	+ 0.72	- 0.46	- 0.93	+ 3.10	+ 0.90
3177	+ 0.59	- 0.18	- 0.18	+ 2.47	+ 0.08	+ 1.20	- 0.45	- 0.58	+ 2.70	+ 1.17
3175	- 0.38	+ 0.07	+ 0.09	- 0.11	- 0.69	+ 0.31	- 0.10	- 0.13	- 0.12	+ 0.62
5325	- 0.04	+ 0.06	+ 0.11	- 1.35	+ 0.05	- 0.82	+ 0.44	+ 0.69	- 3.23	- 1.09
5327	+ 0.10	- 0.29	- 1.13	+ 4.07	- 0.38	- 0.25	+ 0.31	+ 0.81	- 2.94	- 0.26
5328	+ 0.17	+ 0.02	+ 0.12	+ 3.67	- 0.23	+ 0.49	- 0.21	- 0.59	+ 2.56	+ 1.06
5329	- 0.13	+ 0.02	+ 0.07	- 0.80	- 0.34	- 0.17	+ 0.05	+ 0.21	- 0.41	- 0.71
5330	+ 0.26	- 0.04	- 0.13	+ 3.77	+ 0.33	+ 0.33	- 0.09	- 0.42	+ 6.57	- 0.01
3180	- 0.38	+ 0.18	+ 0.35	+ 0.62	- 1.26	+ 0.39	- 0.16	- 0.34	+ 2.14	+ 0.35
5331	+ 0.45	+ 0.16	+ 0.70	+ 1.02	+ 0.58	+ 0.96	- 0.97	- 2.32	+ 6.37	+ 1.43
5332	- 0.17	+ 0.73	+ 1.30	+ 1.06	- 0.66	+ 0.18	- 0.50	- 0.89	- 5.25	+ 1.81
3182	- 0.35	+ 0.23	+ 0.26	- 0.85	- 0.04	- 1.00	+ 0.37	+ 0.43	- 1.00	- 1.31
5333	+ 0.04	- 0.07	- 0.14	+ 0.00	+ 0.10	+ 0.04	- 0.05	- 0.07	- 3.18	+ 0.89
5334	+ 0.18	- 0.28	- 0.57	- 0.86	+ 0.63	+ 0.24	- 0.11	- 0.18	+ 2.97	- 0.07
5335	- 0.23	+ 0.25	+ 0.93	+ 2.07	- 1.38	- 0.21	+ 0.23	+ 1.09	- 4.76	- 0.38
5336	+ 0.61	- 0.51	- 0.78	+ 0.68	+ 0.98	+ 0.07	- 0.22	- 0.37	+ 0.67	+ 0.07
3183	- 0.40	+ 0.49	+ 0.81	- 1.38	- 0.45	+ 0.38	- 0.25	- 0.40	- 2.13	+ 1.61
3181	+ 0.93	- 0.09	- 0.23	- 1.15	+ 3.67	+ 0.44	- 0.07	- 0.21	+ 3.23	+ 0.73
3987	+ 1.34	- 0.22	- 0.30	+ 2.81	+ 1.59	+ 1.33	- 0.16	- 0.26	- 1.52	+ 3.44
3185	+ 0.30	- 0.19	- 0.23	- 0.02	+ 0.57	- 0.75	+ 0.34	+ 0.43	- 2.11	- 0.54
3187	- 0.66	+ 0.56	+ 0.69	+ 1.63	- 1.50	+ 8.13	- 2.82	- 3.71	+10.42	+11.24
3190	+ 0.01	- 0.35	- 0.52	+ 0.29	- 0.10	+ 0.99	- 0.98	- 1.21	+ 0.89	+ 1.35
5337	- 0.14	+ 0.03	+ 0.17	- 6.55	+ 0.86	+ 0.23	- 0.06	- 0.27	- 2.59	+ 1.78
3191	+ 0.16	- 0.01	- 0.01	+ 1.80	- 0.52	- 0.54	+ 0.10	+ 0.13	+ 1.78	- 1.94
5338	- 0.52	+ 0.16	+ 0.32	- 1.75	- 0.83	- 0.36	+ 0.14	+ 0.26	- 3.19	- 0.14
5339	+ 0.22	- 0.24	- 0.42	- 3.52	+ 0.82	- 0.37	+ 0.22	+ 0.42	+ 0.83	- 0.93
5340	+ 0.31	- 0.16	- 0.63	+ 3.55	+ 0.66	+ 0.03	+ 0.09	+ 0.51	- 2.05	+ 0.25
3193	+ 0.05	+ 0.06	+ 0.11	+ 2.17	- 0.98	+ 0.43	- 0.22	- 0.37	- 0.34	+ 1.12
5341	- 0.46	+ 0.83	+ 2.58	+ 1.34	- 2.12	+ 0.35	- 0.40	- 1.21	+ 2.81	+ 0.72
3196	- 0.60	+ 0.59	+ 0.84	- 2.71	- 0.29	+ 1.31	- 1.47	- 2.09	+ 2.12	+ 1.85
5342	+ 0.20	- 0.34	- 0.56	+ 4.22	- 0.15	- 0.51	+ 0.61	+ 0.94	+ 3.11	- 1.28
3194	- 0.36	+ 0.07	+ 0.13	- 1.86	- 0.51	+ 0.33	- 0.05	- 0.11	+ 0.15	+ 1.05
5344	+ 0.53	- 0.15	- 0.39	+ 4.55	+ 1.14	- 0.49	+ 0.13	+ 0.40	+ 0.12	- 1.70
3197	+ 0.46	- 0.56	- 0.66	- 1.04	+ 1.21	+ 0.56	- 0.26	- 0.33	+ 0.65	+ 0.76
5345	+ 0.02	- 0.16	- 0.78	- 2.62	+ 1.01	+ 0.54	- 0.22	- 0.91	- 2.41	+ 3.07
5346	+ 0.51	- 0.11	- 0.21	+ 1.63	+ 0.75	+ 0.75	- 0.12	- 0.25	- 0.26	+ 2.25
5347	- 0.79	+ 2.07	+ 2.95	+ 1.21	- 1.68	+ 1.13	- 1.74	- 2.28	+ 1.69	+ 1.44
5348	- 0.09	+ 0.43	+ 1.26	- 2.27	+ 0.10	+ 0.31	- 0.61	- 1.52	+ 1.28	+ 0.64
5351	+ 0.02	+ 0.07	+ 0.36	+ 0.50	- 0.15	+ 0.46	- 0.54	- 1.65	- 3.01	+ 2.32

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5317	0.97	0.67	0.71	3.39	2.01	0.97	0.70	0.76	3.43	1.85	0.95	1.84	0.81	0.30	0.13	
5318	0.89	0.55	0.58	3.09	1.09	0.92	0.70	0.75	3.12	1.14	0.67	2.05	1.27	0.14	0.73	
3173	0.93	0.72	0.77	1.92	1.20	0.86	0.66	0.70	1.82	1.11	0.83	0.83	1.19	0.40	1.54	
5319	0.81	0.91	1.10	2.13	0.99	0.84	0.71	0.80	2.42	1.07	1.03	0.93		1.34	0.86	
5320	0.97	1.05	1.27	2.89	1.18	1.00	0.83	0.94	2.72	1.31	1.81	3.14		2.12	0.62	
5321	0.81	0.74	0.89	3.54	1.27	0.80	0.74	0.89	3.42	1.27	1.68	2.54		2.76	0.33	
3174	1.08	0.67	0.69	2.05	1.38	0.93	0.79	0.83	1.92	1.10	1.21	2.10	1.52	1.23	0.71	
5322	0.77	0.64	0.70	2.87	0.91	0.87	0.69	0.75	3.02	1.08	1.26	2.26		1.86	0.75	
3176	1.14	0.44	0.45	2.38	1.49	1.17	0.53	0.54	2.61	1.52	1.05	1.21	1.25	1.14	1.11	t
3179	0.75	0.52	0.53	1.40	0.71	0.91	0.46	0.47	1.62	1.10	2.37	1.85	1.86	1.21	0.61	t
5323	0.77	0.62	0.68	2.80	0.95	0.82	0.69	0.76	3.08	1.03	2.59	1.09		1.34	0.06	
5324	1.16	1.27	1.55	2.85	1.50	1.09	0.82	0.90	2.92	1.44	2.53	1.19	0.80	1.92	0.35	
3177	0.94	0.86	0.91	1.97	1.04	1.15	0.86	0.91	2.61	1.35	1.76	1.14	2.34	1.19	1.88	t
3175	0.90	0.42	0.43	1.95	1.18	0.85	0.50	0.52	1.93	1.07	0.10	0.89	0.90	0.42	0.39	
5325	0.72	0.77	0.87	2.65	0.81	0.77	0.60	0.64	2.92	0.91	1.41	1.60	3.13	0.86	0.45	
5327	0.84	1.11	1.75	2.24	1.01	0.82	0.89	1.14	2.42	1.05	0.82	2.36		2.08	0.43	
5328	0.87	0.73	0.84	2.98	1.18	0.92	0.76	0.87	3.11	1.30	1.06	1.53		1.30	1.36	
5329	0.97	0.72	0.79	2.84	1.78	0.98	0.80	0.91	2.83	1.65	0.37	0.54	0.36	0.16	0.63	
5330	1.26	0.95	1.05	4.32	2.33	1.30	1.06	1.20	4.22	2.34	1.84	0.25	0.71	1.54	1.19	
3180	0.98	0.69	0.74	2.39	1.39	1.01	0.71	0.76	2.51	1.46	0.95	1.09	1.10	0.92	0.80	t
5331	0.89	0.86	1.05	2.70	1.14	0.88	0.91	1.14	2.72	1.09	2.45	2.97		1.70	0.66	
5332	0.85	1.20	1.45	2.14	0.97	0.99	0.99	1.14	2.42	1.21	1.74	1.66		2.71	1.15	
3182	0.61	0.46	0.47	0.97	0.67	0.84	0.49	0.50	1.32	1.11	1.43	1.47	1.95	0.71	0.58	t
5333	0.87	1.16	1.54	1.94	1.08	0.85	0.94	1.14	2.12	1.05	0.68	1.29		1.72	0.40	
5334	0.65	0.79	0.99	1.76	0.79	0.70	0.65	0.75	2.02	0.89	1.46	0.98	1.91	1.58	0.43	
5335	1.02	1.07	1.44	3.46	1.33	1.09	1.17	1.66	3.71	1.41	1.46	1.46		1.44	0.33	t
5336	0.95	0.85	0.93	2.70	1.13	0.95	0.85	0.92	2.73	1.13	0.62	1.21	0.46	0.23	0.91	
3183	0.77	0.78	0.87	1.68	0.95	0.87	0.63	0.67	2.01	1.15	1.43	1.76	1.49	1.69	0.87	t
3181	1.02	0.42	0.43	3.54	1.79	1.04	0.52	0.54	3.32	1.88	1.06	2.16	2.53	1.38	1.41	t
3987	0.93	0.42	0.43	2.18	1.20	1.13	0.47	0.48	2.84	1.59	1.47	2.68	0.75	1.60	0.19	
3185	0.72	0.59	0.62	1.39	0.87	0.77	0.54	0.56	1.61	0.94	1.50	1.18	0.85	0.92	0.14	
3187	1.05	0.75	0.78	2.46	1.10	1.26	0.75	0.77	2.81	1.51	4.87	8.94	8.88	1.19	5.89	
3190	0.73	1.07	1.19	1.25	0.85	0.79	0.75	0.79	1.61	0.92	1.23	2.10	1.67	0.36	1.03	t
5337	0.91	0.58	0.62	3.55	1.80	0.92	0.65	0.71	3.62	1.65	1.98	1.21	2.93	2.16	1.10	t
3191	0.88	0.42	0.43	1.74	1.05	1.08	0.47	0.48	2.21	1.43	1.24	1.44	0.95	1.82	0.41	t
5338	0.92	0.61	0.65	2.54	1.30	0.86	0.62	0.67	2.55	1.14	1.53	0.85	1.02	1.14	0.96	
5339	0.71	0.69	0.77	2.54	0.83	0.83	0.66	0.72	2.93	1.06	1.49	1.17		1.72	1.39	
5340	0.79	0.67	0.82	2.93	1.16	0.86	0.88	1.18	2.92	1.15	0.91	1.56		1.17	1.36	
3193	0.74	0.71	0.80	1.47	1.00	0.76	0.58	0.63	1.71	1.03	1.24	1.45	0.66	1.92	1.03	t
5341	0.76	0.84	1.09	2.14	0.98	0.75	0.68	0.80	2.42	1.01	3.40	1.64		1.67	0.92	
3196	0.69	0.89	1.05	1.52	0.82	0.67	0.73	0.81	1.61	0.79	3.14	3.78	3.00	1.41	0.54	t
5342	1.00	1.29	1.50	3.29	1.11	1.09	1.13	1.26	3.71	1.25	1.43	1.28	0.78	1.69	0.73	t
3194	1.23	0.59	0.61	4.11	1.72	1.39	0.61	0.63	4.21	2.31	0.48	0.59	1.18	0.36	1.36	t
5344	0.78	0.51	0.54	4.20	1.13	0.85	0.55	0.59	4.52	1.32	1.17	1.88	1.45	0.88	1.49	
3197	0.56	0.52	0.54	1.11	0.62	0.72	0.50	0.52	1.52	0.88	0.68	2.52	1.78	1.77	1.59	t
5345	0.96	0.89	1.09	3.05	1.43	0.93	0.74	0.86	3.13	1.51	0.72	2.38	0.30	1.91	0.79	
5346	1.39	0.93	1.00	3.32	2.08	1.42	0.83	0.87	3.51	2.21	1.15	0.53		0.65	1.00	
5347	0.78	0.96	1.06	2.13	0.87	0.69	0.72	0.77	2.32	0.73	1.75	4.49	2.57	1.26	1.53	
5348	0.67	0.90	1.21	1.80	0.80	0.72	0.85	1.07	2.12	0.87	1.94	1.64	1.33	1.24	0.12	
5351	0.83	1.01	1.41	2.07	1.03	0.90	0.92	1.16	2.62	1.18	2.39	0.48		1.87	0.62	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5352	74480	FX		15 13 8.316504	+ 65 46 45.69677	+ 1.91	+ 18.71
3201	74505	BX		15 13 31.871001	+ 22 59 0.21283	+ 50.89	+ 97.36
5353	74507	FX		15 13 31.881469	+ 15 55 20.17495	+ 2.72	+ 3.05
3202	74514	RS		15 13 35.582261	+ 38 15 52.91925	- 6.64	- 47.84
5354	74553	FX		15 13 59.220842	+ 43 2 53.09290	- 72.89	+ 45.23
3204	74596	BX	χ Boo	15 14 29.158581	+ 29 9 51.46272	- 69.72	+ 28.50
5355	74673	FX		15 15 38.187487	- 72 23 54.75681	- 12.08	- 6.17
3206	74732	BX		15 16 23.011017	- 22 23 57.88777	- 34.30	+ 3.10
3208	74818	RS		15 17 22.614948	+ 74 2 42.50723	- 17.55	+ 33.52
3205	74837	BX	ε Cir	15 17 38.890897	- 63 36 37.67033	+ 2.34	+ 9.30
3207	74857	RS	2 Lup	15 17 49.838480	- 30 8 55.22937	- 9.46	- 5.13
5359	74918	FX		15 18 35.336581	- 8 23 50.16168	- 16.93	- 12.48
5360	75092	FX		15 20 41.418047	- 25 59 25.39638	- 32.44	- 153.88
5361	75131	FX		15 21 9.390957	- 6 36 45.47481	+ 24.73	+ 16.15
3211	75206	BX	ν^1 Lup	15 22 8.270796	- 47 55 40.04719	- 141.60	- 132.18
3213	75230	BX	7 Ser	15 22 23.237885	+ 12 34 3.08340	- 1.85	- 3.46
3215	75260	RS		15 22 38.415642	+ 63 20 29.18374	- 14.85	- 92.09
3212	75349	BX		15 23 51.101721	- 57 19 50.32080	- 1.05	- 3.73
3214	75352	BX		15 23 52.238469	- 12 22 10.21114	- 38.68	- 37.13
3216	75369	BX		15 24 5.116274	+ 45 16 15.71251	- 14.53	+ 2.42
5362	75384	FX		15 24 16.154669	+ 24 2 38.11569	+ 4.02	+ 10.23
5364	75465	FX		15 24 59.068349	+ 30 3 27.32650	+ 38.23	- 27.28
5365	75484	FX		15 25 12.292977	+ 72 50 50.79906	- 4.17	- 13.33
5366	75532	FX		15 25 52.100428	- 18 30 57.35047	- 20.78	+ 2.76
3218	75572	RS		15 26 17.384115	+ 34 20 9.58234	- 114.28	+ 59.86
5367	75584	FX		15 26 30.275470	+ 10 2 9.83085	- 14.78	- 13.98
5368	75596	FX		15 26 43.670995	- 47 25 17.56367	- 13.18	- 17.31
3959	75634	RS		15 27 10.489004	+ 84 49 30.84922	+ 12.93	- 52.29
3217	75665	BX		15 27 33.082834	- 64 31 53.41092	- 13.36	- 18.94
3219	75674	BX		15 27 38.873476	+ 25 6 5.84723	+ 5.97	- 13.55
5369	75740	FX		15 28 24.304877	+ 5 33 17.29050	+ 10.25	- 14.63
3221	75761	BX	10 Ser	15 28 38.236659	+ 1 50 31.49531	- 85.31	- 33.14
3222	75788	BX		15 28 56.822097	+ 55 11 41.77404	- 7.72	+ 36.26
3220	75828	RS		15 29 24.268733	- 46 43 57.73239	- 8.74	- 5.24
5370	75874	FX		15 29 53.876598	+ 80 46 15.81208	+ 16.28	+ 8.71
5371	75899	FX		15 30 9.598810	+ 46 23 9.90511	+ 14.30	+ 6.77
5372	75903	FX		15 30 12.649585	- 70 23 39.22558	- 0.27	- 4.64
5373	75930	FX		15 30 29.902040	+ 53 58 17.85634	- 15.98	+ 88.37
5374	75958	FX		15 30 48.740713	+ 17 26 23.79658	+ 9.96	+ 5.94
3225	75974	BX		15 30 55.764626	+ 64 12 31.29692	- 111.84	+ 77.52
3223	76048	BX		15 31 50.228674	- 32 52 51.99957	- 18.36	- 20.64
3224	76106	BX		15 32 36.700680	- 19 40 13.65196	- 19.94	- 39.18
3226	76133	RS	11 Ser	15 32 57.937999	- 1 11 11.03954	- 16.93	- 41.38
5376	76174	FX		15 33 32.442175	- 34 21 34.59887	- 19.77	- 19.16
3227	76233	RS		15 34 20.807982	- 5 41 42.33331	- 93.24	+ 5.87
3230	76337	BX	τ^3 Ser	15 35 33.229885	+ 17 39 19.99575	- 77.59	- 13.59
5378	76347	FX		15 35 38.361090	+ 35 5 0.60536	+ 8.86	- 40.92
3231	76372	BX		15 35 53.367662	+ 11 15 56.36015	- 33.25	- 11.90
5379	76438	FX		15 36 42.573832	+ 14 55 29.24288	- 25.10	- 21.55
3244	76450	RS		15 36 48.504706	+ 80 36 52.19652	- 39.98	+ 49.01

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5352	91.42	0.63	0.57	91.33	0.72	0.71	2.85	0.74	H		8.98		11	1	3
3201	91.23	0.48	0.48	91.48	0.46	0.55	11.58	0.71	H	- 4.8	6.31		21	2	
5353	91.64	0.86	0.86	91.49	0.57	0.87	2.37	1.25	H	- 15.1	8.73		31		
3202	91.23	0.44	0.48	91.21	0.48	0.54	7.43	0.64	H	- 62.	6.19		29	2	
5354	91.28	0.48	0.41	91.24	0.46	0.44	9.29	0.59	H	- 19.6	6.66		11	1	3
3204	91.45	0.33	0.28	91.06	0.40	0.41	14.40	0.65	H	- 16.0	5.28		39		
5355	91.24	0.56	0.56	91.20	0.67	0.70	2.08	0.48	P		8.01	2	21	2	
3206	91.17	0.85	0.64	91.14	0.71	0.61	6.52	1.16	H	- 5.3	5.52		19	1	1
3208	91.27	0.49	0.42	91.18	0.45	0.46	10.41	0.52	H		6.67		31		
3205	91.13	0.36	0.45	91.08	0.44	0.52	8.74	0.62	H	- 4.6	4.85		15	1	3
3207	91.03	0.69	0.69	90.93	0.64	0.59	10.59	1.00	H	- 3.6	4.35		39		
5359	91.10	0.95	0.90	91.22	0.70	0.75	5.33	1.12	H	+ 1.	7.49		15	1	3
5360	91.12	0.78	0.64	91.22	0.66	0.64	12.24	1.09	H		7.11		11	1	3
5361	90.84	0.95	0.67	91.26	0.79	0.65	5.14	1.12	H	+ 20.	7.35		11	1	3
3211	91.19	0.54	0.53	91.08	0.55	0.58	29.27	0.76	H	- 11.2	4.99		11	1	1
3213	90.90	0.71	0.60	91.33	0.50	0.55	7.33	0.80	H	+ 4.	6.29		29	2	
3215	91.33	0.46	0.43	91.06	0.44	0.46	8.59	0.49	H	- 46.0	5.72		39		
3212	91.30	0.62	0.74	91.25	0.60	0.69	2.89	0.66	P		6.78		13		
3214	91.14	0.68	0.50	91.20	0.48	0.45	5.41	0.77	H	- 26.0	5.72		19	1	1
3216	91.26	0.44	0.43	91.26	0.45	0.48	6.76	0.54	H	- 10.1	6.07		11	1	3
5362	91.11	0.88	0.70	91.23	0.82	0.71	2.05	1.27	H		8.98		11	1	3
5364	91.52	0.61	0.56	91.31	0.76	0.75	7.26	1.30	H		9.27		11	1	3
5365	91.37	0.68	0.61	91.31	0.62	0.61	8.70	0.72	H		8.60		21	2	
5366	91.20	0.97	0.56	91.41	0.83	0.67	3.29	1.21	H		7.74		15	1	3
3218	91.30	0.37	0.35	91.26	0.44	0.43	6.66	0.59	H	- 48.3	5.46	1	31		
5367	91.15	0.81	0.73	91.38	0.57	0.61	3.97	0.93	H	- 53.0	6.97	2	11	1	3
5368	91.08	0.97	0.97	90.90	0.99	1.07	2.73	1.36	H		8.19		11	1	3
3959	91.33	0.43	0.43	91.27	0.48	0.56	5.40	0.53	H		6.87		35		
3217	91.03	0.39	0.47	91.07	0.47	0.57	4.80	0.68	H	- 8.4	5.71	1	31		
3219	90.91	0.46	0.37	91.42	0.56	0.47	4.15	0.81	H	- 6.8	6.01	1	11	1	3
5369	91.03	1.07	0.82	91.32	0.83	0.79	2.03	1.27	H		8.85		11	1	3
3221	90.94	0.63	0.54	91.20	0.42	0.50	26.68	0.75	H	- 10.2	5.15		19	1	1
3222	91.42	0.44	0.32	91.46	0.46	0.44	10.89	0.51	H	- 6.9	6.45		11	1	1
3220	91.04	0.61	0.61	91.06	0.48	0.52	3.68	0.74	H	- 21.2	5.26	1	11	1	3
5370	91.38	0.47	0.44	91.03	0.48	0.50	6.27	0.52	H		6.94		11	1	3
5371	91.35	0.59	0.56	91.17	0.58	0.58	3.37	0.70	H		7.63		31		
5372	91.18	0.61	0.62	91.08	0.74	0.85	3.12	0.72	P		8.46		13		
5373	91.29	0.72	0.57	91.42	0.74	0.66	8.44	0.83	H		8.81		11	1	3
5374	91.68	0.91	0.78	91.53	0.79	0.82	3.07	1.29	H		8.99		31		
3225	91.38	0.45	0.38	91.20	0.47	0.46	10.24	0.51	H	+ 10.1	5.74		39		
3223	91.05	0.68	0.70	91.01	0.50	0.61	7.19	0.81	H	+ 5.3	6.49		39		
3224	91.13	0.77	0.64	91.18	0.44	0.54	14.39	0.82	H	- 32.4	5.50		39		
3226	91.12	0.61	0.53	91.17	0.45	0.51	12.06	0.72	H	- 16.1	5.50		11	1	3
5376	91.25	0.95	0.80	91.06	0.66	0.76	3.46	1.07	H		8.01		35		
3227	91.07	0.73	0.78	91.12	0.47	0.65	39.78	0.83	H	- 38.1	6.52	1	11	1	3
3230	91.46	0.67	0.58	91.25	0.54	0.53	7.87	0.87	H	- 22.3	6.10		19	1	1
5378	91.27	0.69	0.61	91.28	0.76	0.72	1.95	1.08	H		8.97		11	1	3
3231	91.11	0.72	0.48	91.12	0.51	0.46	4.62	0.78	H	- 26.	6.04		29	2	
5379	90.83	0.84	0.79	91.47	0.65	0.71	7.23	1.02	H	- 8.	7.08		38		
3244	91.35	0.48	0.47	91.10	0.49	0.58	6.32	0.54	H		6.89		21	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5352	+ 0.41	- 0.12	- 0.31	+ 2.33	+ 0.84	- 0.17	+ 0.06	+ 0.19	- 2.34	- 0.22
3201	+ 0.28	- 0.94	- 1.28	- 0.70	+ 0.80	- 2.88	+ 1.99	+ 2.63	- 5.05	- 3.32
5353	- 0.43	+ 0.52	+ 2.10	+ 1.41	- 2.17	+ 0.21	- 0.22	- 1.02	+ 3.42	+ 0.66
3202	+ 0.66	- 0.17	- 0.25	- 3.65	+ 2.05	- 0.35	+ 0.07	+ 0.12	- 0.62	- 0.54
5354	+ 0.34	- 0.40	- 0.48	+ 0.59	+ 0.39	- 0.31	+ 0.21	+ 0.26	- 1.42	- 0.27
3204	+ 1.06	- 0.25	- 0.27	+ 3.77	+ 0.13	+ 0.57	- 0.15	- 0.18	+ 0.38	+ 0.81
5355	- 1.49	+ 0.20	+ 0.96	-14.04	- 6.29	- 0.28	+ 0.13	+ 0.68	- 6.53	- 0.98
3206	- 0.01	+ 0.17	+ 0.44	- 1.98	+ 0.75	+ 0.42	- 0.77	- 1.27	- 0.93	+ 1.31
3208	- 1.55	+ 0.51	+ 0.64	- 3.92	- 1.28	+ 0.00	+ 0.05	+ 0.07	+ 0.11	- 0.06
3205	+ 0.85	- 0.15	- 0.22	+ 0.67	+ 1.66	+ 1.19	- 0.46	- 0.64	+ 0.25	+ 2.22
3207	- 1.20	+ 0.52	+ 0.75	- 1.41	- 1.91	- 1.83	+ 0.46	+ 0.66	- 4.37	- 2.03
5359	- 0.21	+ 0.21	+ 0.53	+ 0.11	- 0.68	+ 0.28	- 0.12	- 0.28	+ 1.38	+ 0.50
5360	+ 0.23	- 0.12	- 0.11	+ 0.28	+ 0.29	+ 0.58	- 0.51	- 0.70	+ 4.48	+ 0.10
5361	- 0.41	+ 0.98	+ 2.13	+ 2.65	- 1.46	- 0.23	- 0.09	- 0.56	- 1.35	- 0.10
3211	+ 0.06	+ 0.13	+ 0.16	+ 0.09	+ 0.03	+ 0.53	- 0.33	- 0.40	- 2.26	+ 1.73
3213	- 1.05	+ 1.35	+ 2.05	- 2.60	- 1.19	+ 0.83	- 0.71	- 1.06	- 0.10	+ 1.76
3215	+ 1.06	- 0.22	- 0.30	+ 2.78	+ 1.15	+ 1.01	- 0.22	- 0.31	+ 0.25	+ 1.81
3212	+ 0.59	- 0.30	- 0.92	+ 1.55	+ 1.97	+ 0.13	- 0.11	- 0.34	- 0.54	+ 0.71
3214	- 0.28	+ 0.65	+ 0.99	- 0.27	- 0.51	- 0.54	+ 0.50	+ 0.68	- 2.83	- 0.27
3216	- 0.04	+ 0.00	+ 0.01	- 0.49	+ 0.09	+ 0.30	- 0.05	- 0.08	+ 3.44	- 0.62
5362	+ 0.14	- 0.13	- 0.43	+ 2.83	+ 0.06	+ 0.06	- 0.02	- 0.02	+ 2.85	- 0.29
5364	+ 0.21	+ 0.12	+ 0.29	- 1.93	+ 0.51	- 1.13	+ 0.76	+ 1.41	- 4.03	- 1.71
5365	+ 0.20	- 0.02	- 0.02	+ 1.48	+ 0.10	+ 2.69	- 0.92	- 1.45	+ 4.78	+ 4.21
5366	- 0.29	+ 0.58	+ 1.24	- 2.42	- 0.36	- 0.22	- 0.02	- 0.22	+ 0.16	- 0.42
3218	+ 0.48	- 0.12	- 0.15	- 0.31	+ 1.07	- 1.41	+ 0.33	+ 0.48	- 5.84	- 0.40
5367	- 0.15	+ 0.22	+ 0.54	- 0.18	- 0.42	+ 0.34	- 0.18	- 0.40	- 2.35	+ 1.13
5368	- 0.07	- 0.27	- 1.99	+ 2.73	- 0.48	- 0.42	+ 0.57	+ 3.48	- 2.66	- 2.20
3959	+ 0.25	- 0.06	- 0.10	+ 2.15	- 0.31	- 1.59	+ 0.24	+ 0.54	- 1.08	- 4.50
3217	- 1.38	+ 0.25	+ 0.45	- 0.52	- 3.28	+ 0.65	- 0.17	- 0.31	+ 1.18	+ 1.23
3219	- 0.13	- 0.10	- 0.23	+ 1.68	- 0.78	- 0.39	+ 0.51	+ 0.83	- 0.70	- 0.57
5369	- 0.25	+ 0.27	+ 1.18	+ 1.35	- 1.44	- 0.07	- 0.04	- 0.27	- 5.41	+ 0.68
3221	- 0.46	+ 0.65	+ 0.75	+ 0.88	- 1.40	+ 0.50	- 0.29	- 0.34	+ 3.40	- 0.43
3222	+ 0.09	- 0.01	- 0.02	+ 1.14	- 0.28	- 0.07	+ 0.01	+ 0.02	- 2.50	+ 0.64
3220	- 0.56	+ 0.20	+ 0.45	- 2.69	- 0.81	+ 0.66	- 0.14	- 0.32	+ 1.27	+ 1.62
5370	- 0.05	+ 0.01	+ 0.02	- 1.78	+ 0.12	+ 0.01	- 0.01	- 0.01	+ 1.30	- 0.12
5371	- 0.22	- 0.01	- 0.08	+ 1.14	- 0.57	- 1.15	+ 0.38	+ 0.87	- 3.53	- 2.48
5372	- 0.03	+ 0.01	+ 0.07	+ 3.91	- 1.30	- 0.26	+ 0.07	+ 0.30	- 0.98	- 1.21
5373	+ 0.18	- 0.19	- 0.26	- 1.67	+ 0.46	+ 0.23	- 0.15	- 0.23	+ 3.56	- 0.05
5374	- 0.57	+ 0.73	+ 2.20	+ 0.15	- 1.97	- 0.22	- 0.07	- 0.45	+ 2.59	- 0.87
3225	- 0.05	- 0.06	- 0.06	- 3.97	+ 1.03	+ 0.11	- 0.03	- 0.04	+ 1.94	- 0.57
3223	+ 0.87	- 0.28	- 0.50	+ 4.64	+ 0.34	+ 0.88	- 0.37	- 0.54	- 2.10	+ 2.69
3224	- 0.66	+ 0.77	+ 1.02	- 2.36	- 0.20	+ 0.76	- 0.27	- 0.33	+ 3.23	+ 0.06
3226	+ 0.28	- 0.27	- 0.34	- 1.08	+ 0.92	- 0.34	+ 0.16	+ 0.21	- 2.23	+ 0.19
5376	- 0.61	+ 0.22	+ 0.71	- 4.58	- 1.05	- 0.22	+ 0.03	+ 0.06	- 7.64	+ 1.41
3227	- 1.25	+ 0.96	+ 1.25	- 2.02	- 1.61	+ 1.84	- 0.38	- 0.52	+ 3.79	+ 2.12
3230	- 0.47	+ 0.37	+ 0.51	- 0.92	- 0.52	- 0.61	+ 0.26	+ 0.34	- 0.84	- 0.83
5378	- 0.74	+ 0.37	+ 1.12	- 3.84	- 2.06	+ 0.07	- 0.05	- 0.16	+ 0.46	+ 0.25
3231	- 0.04	+ 0.18	+ 0.27	+ 1.94	- 0.77	- 0.04	+ 0.05	+ 0.07	+ 0.28	- 0.16
5379	- 0.92	+ 0.74	+ 1.30	- 4.82	- 1.22	- 1.66	+ 0.65	+ 1.12	- 4.40	- 2.64
3244	- 0.67	+ 0.20	+ 0.30	+ 1.11	- 2.13	+ 0.32	- 0.05	- 0.11	- 9.46	+ 4.80

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5352	0.86	0.61	0.66	3.38	1.24	0.93	0.77	0.87	3.63	1.32	0.86	1.03		0.69	0.54	
3201	0.82	0.60	0.63	1.95	0.88	0.85	0.68	0.72	1.71	1.05	4.14	4.85	3.19	1.11	1.24	t
5353	0.96	0.97	1.24	3.77	1.26	1.01	0.94	1.14	3.81	1.46	2.52	1.13		1.13	2.25	
3202	0.99	0.51	0.53	2.84	1.23	1.01	0.58	0.60	2.11	1.46	1.22	1.77	6.28	1.84	0.64	t
5354	0.56	0.57	0.59	2.03	0.58	0.72	0.53	0.55	2.33	0.80	0.86	1.16	0.87	0.48	1.16	
3204	0.62	0.32	0.32	1.21	0.66	0.80	0.46	0.47	1.51	0.97	3.25	1.08	1.03	2.65	0.55	t
5355	0.93	0.57	0.60	4.77	1.86	0.98	0.71	0.77	5.02	1.78	3.78	3.42		1.84	1.37	
3206	0.72	1.03	1.27	1.42	0.88	0.73	0.89	1.03	1.51	0.90	1.27	1.95	1.26	2.07	0.40	t
3208	0.81	0.48	0.49	1.75	0.97	1.17	0.48	0.49	3.02	1.57	2.51	1.77	0.72	1.32	1.25	
3205	1.06	0.47	0.48	2.23	1.53	0.91	0.59	0.61	2.02	1.17	0.57	2.46	1.39	0.92	1.24	t
3207	1.01	0.82	0.88	2.23	1.28	1.04	0.67	0.70	2.31	1.36	2.30	2.55	2.86	0.89	2.51	t
5359	1.08	1.06	1.26	3.15	1.42	1.08	0.81	0.89	3.41	1.51	0.77	0.49		0.33	0.51	t
5360	0.80	0.95	1.05	2.06	0.92	0.85	0.88	0.96	2.32	0.98	2.08	0.71	1.90	1.74	0.50	
5361	0.75	1.02	1.35	2.13	0.87	0.75	0.94	1.21	2.22	0.87	0.35	2.29	0.81	1.86	0.76	
3211	1.08	0.61	0.63	2.14	1.32	0.98	0.71	0.74	2.02	1.16	0.87	1.55	0.86	1.71	0.77	t
3213	0.77	0.80	0.88	1.48	0.99	0.81	0.66	0.70	1.72	1.03	2.73	3.23	4.17	1.22	1.42	t
3215	0.93	0.46	0.47	2.32	1.14	0.97	0.50	0.51	2.42	1.24	1.32	1.96	2.58	0.85	0.45	t
3212	0.96	0.80	0.90	2.62	1.51	0.90	0.75	0.85	2.42	1.35	0.90	1.75	1.62	0.47	0.37	t
3214	0.58	0.80	0.92	1.20	0.69	0.61	0.60	0.64	1.52	0.71	2.30	1.67	1.29	1.53	1.28	t
3216	0.88	0.47	0.48	2.03	1.12	1.06	0.50	0.52	2.51	1.53	1.39	0.34	0.87	1.40	0.76	t
5362	0.80	0.82	1.05	2.64	1.05	0.79	0.85	1.14	2.52	1.01	0.35	1.59		1.51	0.14	
5364	0.89	0.66	0.71	3.02	1.05	1.01	0.89	1.00	3.12	1.26	1.99	1.79		1.03	1.18	
5365	0.97	0.69	0.73	3.12	1.16	1.05	0.68	0.71	3.34	1.31	3.80	1.89		0.44	2.25	
5366	0.62	0.82	1.08	2.03	0.71	0.78	0.87	1.13	2.32	0.96	1.36	1.59		0.99	0.28	t
3218	0.76	0.38	0.39	1.51	0.98	0.86	0.47	0.48	1.81	1.17	3.37	1.35	2.00	2.63	0.49	t
5367	0.88	0.89	1.06	3.28	1.09	0.90	0.67	0.73	3.51	1.20	0.59	1.20	1.03	0.94	1.15	
5368	1.15	1.05	1.40	3.07	1.88	1.16	1.20	1.73	3.13	1.65	2.38	2.09		0.90	0.40	
3959	0.84	0.46	0.48	1.85	1.14	1.13	0.58	0.60	3.25	1.80	1.27	2.66	1.16	1.46	0.66	t
3217	0.92	0.49	0.51	2.22	1.35	0.93	0.62	0.66	2.42	1.31	0.73	2.81	1.62	1.06	1.26	
3219	0.53	0.50	0.55	1.12	0.64	0.58	0.68	0.79	1.32	0.70	1.72	1.71	1.77	1.90	0.57	
5369	0.91	0.93	1.23	3.02	1.23	0.92	0.86	1.07	3.42	1.32	1.54	1.44		1.87	1.09	
3221	0.79	0.74	0.77	1.38	0.92	0.89	0.60	0.61	1.81	1.04	1.96	1.80	0.69	2.29	0.96	t
3222	0.50	0.44	0.45	1.00	0.53	0.69	0.54	0.56	1.52	0.79	1.87	0.74	1.54	2.22	0.98	t
3220	0.93	0.65	0.70	2.39	1.42	0.93	0.54	0.57	2.51	1.48	1.40	1.46	1.72	0.69	1.19	
5370	0.76	0.49	0.51	2.76	0.89	0.78	0.59	0.62	2.88	0.90	0.78	0.14	1.95	0.81	0.43	
5371	0.84	0.61	0.66	3.24	1.11	0.88	0.63	0.68	3.62	1.20	2.49	1.25		0.57	2.14	
5372	1.08	0.63	0.66	3.99	2.13	1.17	0.88	0.96	4.03	2.16	0.87	1.00		1.15	0.30	t
5373	0.76	0.76	0.82	2.69	0.84	0.92	0.80	0.87	3.13	1.08	0.63	1.27		1.33	0.36	
5374	0.88	0.94	1.22	2.75	1.11	0.97	0.93	1.16	3.21	1.31	2.62	1.09		1.23	2.38	
3225	0.70	0.45	0.46	1.61	0.76	0.88	0.51	0.52	1.82	1.11	2.56	1.30	0.31	3.05	1.75	t
3223	1.04	0.80	0.87	2.41	1.42	0.94	0.71	0.76	2.11	1.25	2.10	2.31	2.66	2.48	1.11	t
3224	0.83	0.92	0.99	1.58	0.99	0.89	0.64	0.67	1.81	1.08	2.63	0.94	2.54	1.90	0.46	t
3226	0.82	0.67	0.70	1.68	0.96	0.94	0.58	0.60	2.01	1.17	1.24	1.06	1.35	1.47	1.55	t
5376	1.08	0.85	0.95	3.00	1.77	1.08	0.79	0.87	3.32	1.80	1.08	2.82		2.60	1.78	t
3227	1.18	0.98	1.03	2.56	1.37	1.43	0.69	0.71	3.11	1.84	1.80	2.14	0.41	0.48	0.81	t
3230	0.77	0.78	0.85	1.45	0.97	0.80	0.65	0.69	1.61	1.03	1.12	1.32	1.57	0.23	1.40	t
5378	0.78	0.65	0.74	3.10	1.12	0.87	0.78	0.91	3.12	1.27	2.38	1.57		0.54	1.35	
3231	0.57	0.73	0.84	1.21	0.67	0.62	0.60	0.65	1.42	0.75	1.14	0.98	13.62	1.98	0.65	t
5379	0.98	1.00	1.15	3.21	1.18	1.05	0.81	0.88	3.32	1.33	2.44	2.95	2.81	1.16	1.42	t
3244	0.88	0.51	0.53	1.78	1.23	1.23	0.60	0.62	3.33	2.07	2.80	2.91	1.42	3.94	1.34	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5380	76476	FX		15 37 10.897 343	- 41 1 7.603 34	- 3.28	- 9.75
3240	76519	RS		15 37 39.128 609	+ 69 17 0.037 52	- 48.98	+ 52.02
5381	76543	FX		15 37 59.212 581	+ 10 14 23.556 21	+ 136.19	- 356.43
3234	76591	RS		15 38 32.637 740	- 39 9 38.523 72	- 21.01	- 24.23
5382	76607	FX		15 38 41.800 023	- 1 47 12.919 11	+ 17.37	- 41.15
3238	76617	BX		15 38 48.851 776	+ 34 40 30.140 16	- 6.76	- 16.38
5383	76632	FX		15 38 59.403 610	+ 85 17 9.374 30	- 63.21	+ 33.06
5384	76636	FX		15 39 1.441 428	- 22 28 25.162 76	+ 4.66	+ 6.93
3228	76664	RS		15 39 18.396 552	- 77 55 4.810 85	- 79.45	- 129.84
3237	76705	RS	ψ^1 Lup	15 39 45.979 056	- 34 24 42.929 98	+ 5.95	- 13.28
3236	76716	RS		15 39 56.543 970	- 59 54 30.018 77	- 122.01	- 215.35
5385	76730	FX		15 40 9.239 034	- 45 1 17.114 37	- 3.27	- 68.99
3233	76736	BX		15 40 11.554 590	- 70 13 40.382 44	- 41.60	- 55.59
3239	76742	BX	42 Lib	15 40 16.895 949	- 23 49 5.108 05	- 14.77	- 11.18
5386	76780	FX		15 40 35.149 000	+ 4 10 13.102 53	+ 22.30	- 17.37
5387	76802	FX		15 40 54.929 046	+ 40 56 46.842 69	- 2.22	+ 33.15
5388	76814	FX		15 41 0.812 770	+ 38 16 53.352 35	- 55.08	+ 32.83
5389	76833	FX		15 41 14.510 810	+ 66 23 9.113 70	- 7.85	+ 22.86
5390	76865	FX		15 41 45.397 030	- 6 26 39.823 84	- 3.11	- 2.03
3243	76866	RS	χ Ser	15 41 47.415 334	+ 12 50 51.098 78	+ 39.45	- 4.63
5391	76867	FX		15 41 47.481 132	+ 49 26 43.070 12	- 78.63	+ 93.20
3235	76877	RS		15 41 54.683 133	- 76 4 55.053 66	- 8.40	- 39.02
3241	76935	BX		15 42 37.227 548	- 49 29 22.385 45	- 4.28	- 21.73
5392	76937	FX		15 42 38.091 745	- 18 36 25.564 61	- 6.13	- 14.90
3242	76939	BX		15 42 38.315 567	- 37 25 29.772 50	- 50.07	- 16.61
3247	76957	BX		15 42 50.760 064	+ 52 21 39.247 65	- 66.05	+ 29.48
5393	77007	FX		15 43 24.859 387	- 15 2 35.623 91	- 3.63	- 94.82
3249	77048	RS	π CrB	15 43 59.300 233	+ 32 30 56.902 39	- 29.21	- 8.98
3246	77060	RS	η Lib	15 44 4.399 436	- 15 40 22.208 56	- 34.59	- 64.25
3245	77072	RS		15 44 16.215 513	- 56 9 55.468 30	- 8.79	- 15.98
5394	77110	FX		15 44 42.034 436	+ 58 26 1.120 50	- 80.53	+ 45.41
5395	77113	FX		15 44 44.922 613	- 60 14 18.330 15	- 24.61	- 0.05
3250	77287	RS		15 46 45.424 475	- 6 7 13.282 57	- 11.57	+ 0.80
5399	77480	FX		15 49 13.681 206	- 52 12 56.983 67	- 1.06	- 4.38
5400	77507	FX		15 49 34.376 420	- 36 37 4.530 06	- 11.03	- 6.20
3252	77512	BX	δ CrB	15 49 35.646 459	+ 26 4 6.220 46	- 79.43	- 63.68
5401	77570	FX		15 50 11.861 987	+ 5 57 17.176 69	- 30.34	- 26.78
5402	77675	FX		15 51 28.764 354	- 64 10 54.077 54	+ 53.54	- 3.06
3255	77738	BX		15 52 16.556 781	+ 55 49 36.166 16	- 24.03	+ 53.96
5404	77761	FX		15 52 40.458 251	- 79 24 13.861 52	- 6.27	- 14.39
5405	77797	FX		15 53 8.485 918	+ 46 2 24.188 11	- 4.89	+ 25.01
3257	77902	BX		15 54 34.612 112	+ 20 18 39.485 63	- 83.25	+ 43.06
3256	77910	RS	40 Ser	15 54 40.274 601	+ 8 34 49.218 78	+ 1.26	- 0.14
5406	77919	FX		15 54 45.306 621	+ 18 2 21.047 91	- 11.94	+ 8.08
3253	77982	BX	τ TrA	15 55 29.599 249	- 68 36 10.803 44	- 8.83	- 6.09
5407	77998	FX		15 55 40.895 156	+ 72 23 31.344 16	- 37.30	+ 13.17
3259	78012	BX	λ CrB	15 55 47.587 047	+ 37 56 49.047 30	+ 29.65	+ 79.96
5408	78048	FX		15 56 7.089 601	+ 39 25 45.818 62	+ 0.00	+ 23.11
5409	78278	FX		15 58 58.068 071	+ 24 37 17.059 06	- 14.20	+ 2.66
3260	78286	RS		15 59 4.395 730	+ 49 52 51.761 87	+ 21.48	- 54.83

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5380	91.07	0.65	0.63	90.94	0.53	0.64	1.32	0.82	H		7.12		31		
3240	91.15	0.42	0.38	91.13	0.46	0.45	3.70	0.47	H	- 29.8	5.65		38		
5381	90.91	0.84	0.73	90.97	0.56	0.70	21.13	0.91	H	+ 38.1	7.07		31		
3234	91.15	0.65	0.74	90.96	0.49	0.70	5.09	0.83	H	+ 5.	6.59		11	1	3
5382	90.98	0.96	0.70	91.22	0.66	0.69	4.24	1.11	H		8.29		11	1	3
3238	91.13	0.40	0.38	91.11	0.44	0.44	7.09	0.59	H	+ 4.3	6.12		11	1	3
5383	91.33	0.46	0.45	91.14	0.53	0.59	7.97	0.55	H	- 10.	6.88		11	1	3
5384	91.10	0.87	0.67	91.10	0.51	0.60	3.78	0.87	P		7.56		11	1	3
3228	91.42	0.42	0.43	91.31	0.48	0.56	9.61	0.59	H	+ 13.1	6.19		11	1	3
3237	91.13	0.71	0.78	91.09	0.50	0.71	13.32	0.81	H	- 23.1	4.66		11	1	3
3236	91.16	0.58	0.70	91.14	0.53	0.72	32.34	0.76	H	- 21.5	5.95		11	1	3
5385	91.11	0.70	0.68	91.00	0.58	0.65	5.40	0.92	H	- 22.1	7.42		11	1	3
3233	91.24	0.37	0.39	91.02	0.43	0.52	12.94	0.62	H	- 2.0	6.45		31		
3239	91.36	0.84	0.56	91.26	0.48	0.56	8.55	0.98	H	- 21.8	4.97		29	2	
5386	91.03	0.94	0.67	91.25	0.72	0.72	11.70	1.16	H		8.39		31		
5387	91.35	0.65	0.61	91.07	0.70	0.72	7.78	0.84	H		8.55		15	1	3
5388	91.21	0.57	0.49	91.12	0.59	0.54	13.52	0.74	H		8.23		11	1	3
5389	91.44	0.63	0.55	91.11	0.64	0.62	3.03	0.69	H		8.75		11	1	3
5390	91.11	0.81	0.58	91.11	0.51	0.48	4.83	0.99	H	- 4.	7.30		33		
3243	91.10	0.71	0.53	91.47	0.56	0.62	14.28	0.84	H	+ 1.9	5.34	1	19	1	1
5391	91.32	0.68	0.66	91.15	0.71	0.65	17.00	0.81	H		8.62	2	15	1	3
3235	91.46	0.41	0.44	91.16	0.48	0.57	8.65	0.60	H	+ 1.1	5.95		13		
3241	91.30	0.60	0.50	91.14	0.47	0.51	6.31	0.72	H	- 19.9	6.02		21	2	
5392	91.58	1.25	0.83	91.29	0.68	0.71	1.88	0.43	P		8.08	1	11	1	3
3242	91.07	0.64	0.64	91.00	0.46	0.57	12.04	0.78	H	- 16.3	5.23		11	1	3
3247	91.21	0.42	0.37	91.30	0.45	0.45	10.30	0.50	H	- 16.1	5.48		19	1	1
5393	91.05	0.80	0.56	90.94	0.51	0.49	7.94	0.89	H	+ 20.5	6.30		19	1	1
3249	91.31	0.38	0.39	91.30	0.45	0.50	13.11	0.58	H	- 3.8	5.57		29	2	
3246	91.00	0.78	0.51	90.96	0.47	0.53	22.21	0.86	H	- 31.2	5.41		11	1	3
3245	91.20	0.63	0.74	90.96	0.51	0.67	4.88	0.77	H	- 17.3	7.06		21	2	
5394	91.43	0.53	0.47	91.22	0.52	0.50	15.03	0.61	H	- 19.4	7.36		11	1	3
5395	90.78	0.64	0.75	90.99	0.63	0.86	7.56	0.99	H		8.13		31		
3250	90.98	0.82	0.71	91.10	0.52	0.64	3.48	0.94	H	- 52.1	6.24		11	1	3
5399	91.05	0.80	0.83	91.03	0.65	0.81	3.02	0.70	P		7.30	1	11	1	3
5400	91.18	1.21	1.21	91.19	0.83	0.99	2.51	0.58	P		8.96		13		
3252	91.12	0.41	0.39	91.30	0.45	0.45	19.71	0.73	H	- 19.4	4.59	1	31		
5401	91.07	0.71	0.70	91.33	0.62	0.77	8.96	0.96	H	- 9.4	7.11		11	1	3
5402	91.15	0.48	0.54	91.09	0.60	0.70	13.55	0.86	H		7.75		11	1	3
3255	91.37	0.46	0.41	91.20	0.47	0.48	9.09	0.51	H	- 29.7	5.81		19	1	1
5404	91.25	0.47	0.45	91.14	0.53	0.56	5.25	0.64	H		7.68		31		
5405	91.27	0.51	0.49	91.25	0.55	0.55	3.98	0.62	H		7.25		11	1	3
3257	91.19	0.54	0.42	91.05	0.48	0.45	5.42	0.76	H	- 61.0	5.45	1	19	1	1
3256	90.90	0.89	0.67	91.12	0.54	0.65	13.54	1.05	H	- 25.1	6.28	1	39		
5406	91.68	0.95	0.78	91.24	0.96	0.81	3.36	1.34	H		9.55		31		
3253	91.27	0.28	0.29	91.12	0.39	0.41	1.38	0.32	P	+ 5.7	5.11	1	15	1	3
5407	91.39	0.58	0.49	91.37	0.61	0.62	7.50	0.68	H		7.24		31		
3259	91.20	0.43	0.40	91.08	0.46	0.49	24.12	0.59	H	- 11.6	5.43		19	1	1
5408	91.31	0.63	0.61	91.06	0.62	0.63	11.60	0.80	H		7.85		11	1	3
5409	91.21	0.59	0.58	91.15	0.68	0.67	4.98	1.26	H		8.80		15	1	3
3260	91.48	0.47	0.47	91.25	0.47	0.48	20.40	0.53	H	+ 4.0	6.04		29	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5380	+ 0.20	- 0.18	- 0.90	+ 4.47	- 0.06	- 0.53	+ 0.29	+ 1.37	- 3.17	- 2.10
3240	+ 0.39	- 0.08	- 0.13	+ 3.01	- 0.35	- 0.17	+ 0.03	+ 0.06	+ 4.59	- 1.82
5381	+ 1.00	- 0.71	- 0.95	+ 9.82	+ 0.48	+ 0.51	- 0.08	- 0.10	+ 7.45	- 0.06
3234	+ 0.26	- 0.07	- 0.24	+ 7.34	- 0.75	- 0.63	+ 0.10	+ 0.32	- 5.70	- 1.01
5382	- 0.26	+ 0.67	+ 1.60	+ 0.47	- 0.83	+ 0.24	- 0.22	- 0.50	+ 4.14	- 0.10
3238	- 0.22	+ 0.16	+ 0.20	+ 0.03	- 0.42	- 0.27	+ 0.14	+ 0.19	- 1.62	+ 0.03
5383	+ 0.60	- 0.12	- 0.18	+ 3.32	+ 0.47	- 0.06	+ 0.04	+ 0.06	- 0.29	- 0.09
5384	+ 0.33	- 0.32	- 0.66	+ 1.53	+ 0.49	+ 0.61	- 0.39	- 0.73	+ 2.60	+ 0.88
3228	+ 0.32	- 0.07	- 0.14	+ 0.34	+ 0.76	+ 2.06	- 0.20	- 0.42	+ 6.16	+ 3.85
3237	+ 0.29	- 0.21	- 0.30	- 3.49	+ 2.12	+ 0.64	- 0.29	- 0.42	- 0.60	+ 1.58
3236	- 0.24	+ 0.07	+ 0.11	+ 1.13	- 0.88	- 0.62	+ 0.09	+ 0.15	- 3.00	- 0.28
5385	- 0.69	+ 0.14	+ 0.31	+ 0.59	- 2.26	- 0.56	+ 0.15	+ 0.28	+ 0.04	- 1.40
3233	- 2.23	+ 0.11	+ 0.21	- 4.77	- 4.08	- 2.58	+ 0.28	+ 0.48	- 3.16	- 5.03
3239	+ 0.05	- 0.54	- 0.85	- 1.04	+ 0.74	- 1.73	+ 2.17	+ 3.00	- 1.35	- 2.92
5386	+ 0.66	- 1.22	- 1.80	+ 4.23	+ 0.52	- 0.60	+ 0.58	+ 0.88	- 4.02	- 0.39
5387	+ 0.84	- 0.32	- 0.51	+ 3.26	+ 1.06	+ 0.05	+ 0.05	+ 0.10	- 2.27	+ 0.49
5388	+ 0.86	- 0.44	- 0.53	+ 1.38	+ 1.02	- 0.21	+ 0.04	+ 0.05	- 1.65	- 0.03
5389	+ 0.04	- 0.03	- 0.08	- 5.47	+ 0.66	+ 0.41	- 0.19	- 0.45	+ 0.76	+ 1.04
5390	- 0.62	+ 0.39	+ 0.62	- 5.00	- 0.31	- 0.84	+ 0.90	+ 1.27	+ 0.10	- 1.38
3243	- 0.21	+ 0.19	+ 0.23	- 0.63	- 0.09	- 0.23	+ 0.06	+ 0.08	+ 1.73	- 0.75
5391	+ 0.13	- 0.07	- 0.09	- 1.02	+ 0.38	- 1.29	+ 0.72	+ 0.95	- 4.44	- 1.34
3235	- 1.61	+ 0.10	+ 0.20	- 3.88	- 3.15	- 0.16	+ 0.02	+ 0.04	- 1.59	+ 0.10
3241	+ 0.19	+ 0.07	+ 0.14	- 0.96	+ 0.75	+ 2.31	- 0.48	- 0.82	+ 5.69	+ 3.39
5392	+ 0.17	- 0.43	- 2.41	+ 0.16	+ 1.02	- 0.30	+ 0.17	+ 0.38	- 1.06	- 0.94
3242	+ 0.13	- 0.20	- 0.29	+ 0.58	+ 0.03	- 0.68	+ 0.37	+ 0.50	- 2.95	+ 0.08
3247	+ 0.15	- 0.23	- 0.25	- 1.37	+ 0.96	- 0.37	+ 0.16	+ 0.20	+ 0.22	- 0.83
5393	+ 0.24	- 0.24	- 0.31	- 1.25	+ 0.53	+ 0.32	- 0.44	- 0.56	- 1.89	+ 0.61
3249	- 1.28	+ 0.33	+ 0.41	- 3.12	- 1.08	- 0.75	+ 0.21	+ 0.29	- 3.06	- 0.35
3246	- 0.22	+ 0.10	+ 0.10	- 1.02	+ 0.15	- 0.80	+ 0.66	+ 0.77	- 2.19	- 0.55
3245	- 0.82	+ 0.13	+ 0.48	- 2.37	- 3.45	- 1.65	+ 0.19	+ 0.67	- 0.61	- 7.35
5394	+ 0.41	- 0.18	- 0.22	- 2.80	+ 0.79	- 0.17	+ 0.08	+ 0.10	- 0.95	- 0.15
5395	- 1.79	+ 0.61	+ 1.20	+ 2.97	- 4.58	- 0.16	+ 0.04	+ 0.10	+ 0.22	- 0.45
3250	+ 0.19	- 0.12	- 0.37	+ 2.15	+ 0.19	- 0.70	+ 0.14	+ 0.46	- 4.31	- 1.59
5399	- 0.21	+ 0.11	+ 0.40	- 1.77	- 0.60	+ 0.22	- 0.10	- 0.37	- 5.44	+ 2.20
5400	- 0.37	+ 0.36	+ 2.31	- 5.30	- 1.32	- 0.28	+ 0.11	+ 0.51	- 3.22	- 0.84
3252	+ 0.89	- 0.37	- 0.42	+ 3.51	- 0.30	+ 0.07	- 0.09	- 0.10	- 0.18	+ 0.23
5401	- 0.83	+ 0.40	+ 0.60	- 3.55	- 1.03	- 0.65	+ 0.16	+ 0.24	- 4.42	- 0.63
5402	- 0.66	+ 0.08	+ 0.11	+ 2.93	- 1.81	- 1.16	+ 0.35	+ 0.54	- 3.32	- 1.51
3255	- 0.25	+ 0.18	+ 0.21	+ 0.97	- 1.01	- 0.08	+ 0.08	+ 0.10	+ 0.58	- 0.40
5404	- 0.50	+ 0.03	+ 0.08	+ 0.46	- 1.73	+ 1.31	- 0.20	- 0.45	- 1.72	+ 4.63
5405	+ 0.49	- 0.14	- 0.26	+ 6.12	+ 0.18	- 0.17	+ 0.05	+ 0.10	+ 0.15	- 0.39
3257	+ 0.33	- 0.43	- 0.58	+ 1.84	- 0.19	- 0.06	+ 0.00	- 0.02	+ 0.04	- 0.10
3256	- 0.85	+ 0.75	+ 1.04	- 0.49	- 1.53	+ 0.46	- 0.34	- 0.50	+ 2.48	+ 0.02
5406	- 0.34	+ 0.12	+ 0.08	- 7.50	+ 0.37	- 0.44	+ 0.65	+ 1.97	- 0.18	- 1.42
3253	+ 0.14	- 0.02	- 0.07	- 0.27	+ 0.59	+ 0.25	- 0.06	- 0.18	+ 4.81	- 0.48
5407	- 1.00	+ 0.30	+ 0.43	- 6.91	- 0.92	- 1.84	+ 0.67	+ 1.10	+ 0.08	- 3.51
3259	+ 0.39	- 0.18	- 0.20	+ 0.58	+ 0.34	- 0.02	+ 0.11	+ 0.12	+ 1.37	- 1.06
5408	+ 0.22	- 0.15	- 0.20	+ 2.65	+ 0.00	- 0.36	+ 0.28	+ 0.39	- 3.26	- 0.21
5409	+ 0.02	- 0.11	- 0.23	+ 2.49	- 0.33	+ 0.84	- 0.68	- 1.30	+ 3.18	+ 1.38
3260	+ 0.11	+ 0.00	+ 0.00	+ 0.75	- 0.08	+ 2.07	- 0.65	- 0.78	+11.52	- 1.61

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5380	0.79	0.65	0.75	2.30	1.42	0.77	0.67	0.79	2.23	1.29	2.87	2.31	2.64	1.72	1.70	
3240	0.73	0.40	0.42	1.64	1.03	0.89	0.47	0.49	2.52	1.36	2.56	1.32	0.94	2.83	0.92	t
5381	1.05	0.92	0.98	3.71	1.16	1.15	0.82	0.86	4.11	1.32	3.35	0.94	2.74	2.96	0.93	
3234	1.23	0.77	0.82	4.20	2.01	1.28	0.72	0.75	4.21	2.42	2.25	0.58	1.02	1.99	0.92	
5382	0.77	1.00	1.30	2.29	0.90	0.88	0.81	0.93	2.72	1.13	1.55	1.67		1.53	0.92	
3238	0.60	0.46	0.48	1.14	0.72	0.73	0.52	0.54	1.62	0.89	1.07	0.73	0.85	0.95	0.22	
5383	0.95	0.48	0.49	2.95	1.18	1.13	0.62	0.65	3.48	1.53	1.18	0.51	1.46	0.90	0.19	
5384	0.79	0.84	1.00	2.12	0.99	0.79	0.70	0.79	2.32	1.01	1.55	1.67		0.81	0.92	
3228	1.33	0.44	0.45	3.55	2.02	1.42	0.58	0.59	3.82	2.30	1.71	1.85	1.14	0.53	0.81	
3237	1.13	0.92	0.99	2.37	1.48	1.15	0.81	0.85	2.51	1.50	1.24	1.81	2.05	2.14	1.32	
3236	1.55	0.74	0.76	3.71	2.03	1.69	0.75	0.77	4.01	2.40	0.82	0.48	0.88	0.75	1.20	
5385	1.10	0.73	0.78	2.79	1.70	1.01	0.71	0.76	2.73	1.42	0.13	1.77	0.78	0.99	0.80	
3233	1.50	0.40	0.40	3.57	2.42	1.39	0.54	0.55	3.42	2.04	1.74	3.13	0.83	0.50	1.86	
3239	0.64	0.98	1.13	1.15	0.79	0.73	0.77	0.84	1.42	0.91	2.65	4.88	4.62	1.59	2.18	t
5386	0.81	1.01	1.13	2.43	0.90	0.97	0.90	0.98	2.82	1.13	1.80	2.78		1.87	0.44	
5387	1.01	0.68	0.72	3.20	1.26	1.10	0.80	0.86	3.32	1.43	1.34	1.12	1.30	1.00	1.35	t
5388	0.81	0.58	0.60	2.51	0.89	0.90	0.63	0.65	2.63	1.04	1.45	0.97		0.59	1.04	
5389	0.79	0.61	0.67	3.23	1.03	0.86	0.67	0.74	3.44	1.18	1.21	1.67		1.81	2.10	
5390	0.71	0.77	0.89	2.13	0.84	0.62	0.66	0.74	2.12	0.69	2.51	2.88	1.87	2.15	0.31	t
3243	0.73	0.78	0.83	1.34	0.84	0.96	0.78	0.83	2.41	1.11	0.82	0.71	2.41	0.99	0.85	t
5391	1.06	0.77	0.81	3.05	1.23	1.01	0.77	0.81	3.13	1.16	1.66	1.69		1.02	0.45	t
3235	1.33	0.44	0.45	3.53	2.14	1.37	0.59	0.60	3.72	2.27	1.23	1.53	1.36	0.43	1.63	t
3241	0.96	0.54	0.56	2.17	1.35	1.00	0.54	0.56	2.42	1.42	2.66	2.80	3.51	1.06	1.18	
5392	0.85	1.03	1.72	2.17	1.05	0.82	0.78	0.97	2.22	1.21	2.03	1.14		0.36	1.22	
3242	0.96	0.78	0.83	1.81	1.23	0.90	0.68	0.71	1.72	1.17	1.89	0.36	2.33	1.48	0.26	
3247	0.59	0.49	0.50	1.06	0.63	0.74	0.54	0.56	1.33	0.92	0.96	1.84	1.63	2.00	0.42	t
5393	0.68	0.82	0.92	2.09	0.75	0.61	0.74	0.81	2.32	0.65	0.69	1.46	0.48	1.31	0.18	t
3249	0.89	0.43	0.44	1.92	1.01	1.15	0.53	0.54	2.51	1.52	2.21	1.40	4.37	1.32	0.71	t
3246	0.67	0.80	0.84	1.19	0.77	0.77	0.71	0.74	1.62	0.87	1.88	1.15	1.34	1.22	0.21	
3245	1.31	0.76	0.79	4.95	2.49	1.27	0.68	0.70	4.81	2.41	0.63	3.52	1.42	1.27	0.54	
5394	0.87	0.55	0.56	3.34	0.94	1.00	0.56	0.57	3.63	1.13	0.82	0.93	0.34	1.06	0.91	
5395	1.18	0.81	0.86	4.20	1.60	1.27	0.93	1.01	4.03	1.78	3.20	0.41		1.69	1.29	
3250	0.97	0.78	0.87	3.00	1.39	1.06	0.66	0.70	3.31	1.87	1.62	1.07	1.34	0.93	0.87	
5399	1.07	0.88	1.00	3.52	1.69	1.06	0.86	0.96	3.62	1.69	1.48	1.40	1.36	1.93	0.42	
5400	1.30	1.30	1.71	3.28	2.00	1.16	1.03	1.21	3.62	1.94	1.52	2.29		1.19	1.03	t
3252	0.70	0.48	0.49	1.25	0.77	0.79	0.54	0.55	1.42	0.95	2.93	0.33	2.01	2.61	1.79	
5401	0.98	0.85	0.95	3.61	1.16	1.06	0.93	1.05	3.91	1.26	1.33	1.63		1.14	1.43	
5402	1.22	0.58	0.59	3.44	1.56	1.23	0.77	0.80	3.53	1.56	1.33	1.66	0.37	1.34	0.35	
3255	0.68	0.49	0.51	1.23	0.84	0.90	0.53	0.55	1.92	1.16	0.61	1.28	0.56	1.40	0.52	t
5404	1.12	0.46	0.47	3.24	1.88	1.12	0.58	0.60	3.18	1.81	0.41	2.83	0.91	1.83	1.39	
5405	0.82	0.53	0.56	2.95	1.06	0.86	0.60	0.64	3.23	1.13	2.12	0.53	2.22	1.90	1.48	
3257	0.54	0.62	0.67	1.02	0.65	0.61	0.59	0.63	1.32	0.73	1.99	0.44	2.25	1.69	1.24	t
3256	0.99	0.83	0.89	2.10	1.18	1.08	0.75	0.79	2.31	1.36	1.38	1.76	2.53	1.01	0.35	t
5406	0.91	0.93	1.19	2.90	1.16	0.89	1.03	1.40	2.92	1.09	1.93	2.55		2.55	1.27	
3253	0.61	0.30	0.31	1.80	1.06	0.66	0.42	0.45	2.03	1.11	2.41	0.65	0.90	2.32	1.32	t
5407	0.90	0.54	0.56	3.42	1.05	1.02	0.68	0.72	3.54	1.28	2.14	3.35	1.63	1.93	0.33	t
3259	0.77	0.47	0.48	1.22	0.90	0.87	0.58	0.59	1.42	1.10	1.02	1.06	1.46	1.36	0.23	t
5408	0.90	0.74	0.78	2.93	1.03	0.88	0.80	0.85	3.12	0.99	0.48	1.47		1.26	1.53	
5409	0.89	0.65	0.70	2.76	1.17	0.87	0.80	0.90	2.82	1.07	1.93	1.78		1.12	0.49	t
3260	1.01	0.52	0.53	2.16	1.14	0.90	0.55	0.56	1.72	1.08	6.79	0.69	1.78	6.47	1.15	t

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	''	[mas/yr]		[mas/yr]		
5410	78293	FX		15	59	13.074144	-	10	56	38.90419	+	24.96	+	1.85
5411	78377	FX		16	0	2.150928	+	0	37	25.13065	-	16.33	+	10.69
5412	78429	FX		16	0	42.517847	+	31	34	5.65886	+	65.78	-	55.32
3262	78442	BX		16	0	51.134284	+	4	25	38.49256	-	42.02	+	73.59
5413	78444	FX		16	0	51.569760	+	12	28	35.96327	-	9.03	+	11.91
5414	78450	FX		16	0	56.823348	+	28	56	54.74578	+	35.80	+	18.51
3270	78452	RS		16	0	57.881721	+	64	57	0.11332	+	16.35	-	4.58
5415	78467	FX		16	1	5.835516	-	21	9	20.34013	-	22.15	-	16.78
3268	78554	RS	π Ser	16	2	17.692036	+	22	48	16.03948	+	4.69	+	24.67
5416	78573	FX		16	2	38.480749	-	18	10	18.22363	-	10.01	-	5.30
3271	78592	RS	υ Her	16	2	47.898372	+	46	2	12.13590	+	56.28	-	61.46
3266	78639	RS	η Nor	16	3	12.896936	-	49	13	46.90267	+	41.12	+	10.51
3267	78655	RS		16	3	24.189141	-	38	36	9.14069	-	17.96	-	27.95
5418	78695	FX		16	3	52.882417	+	3	43	38.03226	-	8.37	-	1.57
5420	78803	FX		16	5	15.507989	-	56	20	23.64653	-	2.52	-	2.60
5421	78858	FX		16	5	52.260118	+	9	56	9.44091	-	16.89	+	10.45
5422	78866	FX		16	5	54.341767	-	89	18	30.77210	-	22.78	-	40.73
3269	78868	BX		16	5	55.817589	-	72	24	3.23386	-	33.33	+	71.39
3276	78893	BX		16	6	19.677326	+	67	48	36.48601	-	35.43	+	63.22
3274	79007	RS	45 Ser	16	7	37.539308	+	9	53	30.27449	-	19.71	-	7.13
3275	79098	BX		16	8	43.720650	-	23	41	7.49858	-	10.27	-	25.96
5423	79152	FX		16	9	17.487448	+	41	5	42.69604	-	207.94	+	63.06
3273	79153	BX	ι^2 Nor	16	9	18.548667	-	57	56	3.54548	-	13.37	-	59.73
5424	79164	FX		16	9	25.973070	+	55	49	44.30778	-	33.06	+	22.99
3277	79199	BX		16	9	52.589331	-	33	32	44.89609	-	25.60	-	44.75
5425	79216	FX		16	10	1.963869	+	81	8	38.41186	+	21.53	-	19.94
3278	79320	BX		16	11	17.705948	-	41	7	11.29639	-	79.48	-	126.04
3279	79332	RS		16	11	28.738110	+	16	39	56.48676	+	2.83	+	5.05
3282	79465	RS		16	12	57.764623	+	12	48	2.52774	+	4.69	+	27.02
5427	79479	FX		16	13	12.296711	-	34	18	24.77779	-	9.25	-	1.73
5428	79487	FX		16	13	14.791854	-	44	4	25.10343	+	27.97	-	3.29
3283	79488	RS	9 Her	16	13	15.429773	+	5	1	15.90758	+	36.87	-	5.53
5429	79541	FX		16	13	50.997507	-	30	12	43.86134	-	4.46	-	37.14
5430	79543	FX		16	13	52.337170	+	16	26	3.50206	-	11.86	+	9.98
3289	79601	RS		16	14	33.444810	+	73	23	41.60860	-	10.42	+	34.21
5431	79634	FX		16	15	1.279339	+	11	29	24.09096	+	4.55	-	75.45
5432	79658	FX		16	15	19.094357	-	27	12	36.93961	-	61.31	-	135.25
5433	79685	FX		16	15	47.280933	+	53	14	12.01456	+	11.86	-	62.45
5434	79691	FX		16	15	50.719705	+	36	33	16.13044	-	9.36	-	7.91
3286	79692	BX		16	15	51.494980	-	14	50	56.80927	+	6.41	+	2.02
3291	79804	RS		16	17	15.346969	+	59	45	18.08294	+	7.16	+	25.46
5436	79843	FX		16	17	49.966765	-	13	22	20.97421	-	41.91	-	32.01
5437	79861	FX		16	18	5.837602	+	62	25	23.83586	-	8.46	-	45.59
3288	79881	RS		16	18	17.899122	-	28	36	50.47237	-	32.72	-	100.45
3285	79887	RS		16	18	23.522526	-	73	2	36.25576	-	7.20	-	17.49
3290	79889	BX	19 Her	16	18	23.656842	+	25	53	48.07126	-	3.58	+	0.93
5438	79948	FX		16	19	9.410393	-	6	52	34.70553	-	13.03	-	88.68
3292	79953	RS		16	19	11.213413	+	49	2	17.36844	-	21.47	+	32.84
5439	79955	FX		16	19	12.563664	+	21	47	18.82922	+	19.42	-	26.00
5440	79972	FX		16	19	25.073198	-	15	32	45.74868	+	2.94	-	2.90

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5410	91.02	1.10	0.99	91.11	0.62	0.85	5.79	1.20	H		8.65		31		
5411	90.93	0.76	0.61	90.95	0.59	0.67	2.38	0.93	H		7.20	1	11	1	3
5412	91.17	0.43	0.39	91.24	0.48	0.48	8.65	0.69	H		6.61		31		
3262	90.83	0.65	0.42	91.02	0.53	0.46	13.62	0.79	H	- 4.1	5.82		31		
5413	90.98	0.98	0.75	91.26	0.85	0.74	5.29	1.28	H		8.10		11	1	3
5414	91.25	0.52	0.42	91.22	0.67	0.64	16.16	0.98	H	+ 7.6	7.97		18		
3270	91.42	0.49	0.42	91.31	0.49	0.51	6.02	0.52	H	- 11.9	7.06		31		
5415	91.14	0.85	0.68	91.03	0.47	0.58	5.10	0.96	H		7.12		31		
3268	91.47	0.46	0.46	91.04	0.51	0.58	18.42	0.71	H	- 28.2	4.82		19	1	1
5416	91.14	1.13	0.75	91.15	0.73	0.66	3.44	0.79	P		8.92		31		
3271	91.18	0.47	0.44	91.29	0.49	0.50	8.68	0.57	H	+ 3.2	4.72		11	1	3
3266	91.28	0.60	0.57	91.03	0.46	0.56	14.97	0.76	H	- 0.3	4.65		11	1	3
3267	91.07	0.63	0.55	90.80	0.44	0.58	6.19	0.76	H	- 1.9	4.90		18		
5418	91.00	0.99	0.78	91.04	0.67	0.79	3.60	1.20	H		8.16	2	11	1	3
5420	91.20	0.71	0.70	91.15	0.58	0.72	.36	0.94	H	- 26.1	7.22	2	33		
5421	90.99	0.73	0.69	91.31	0.56	0.65	5.05	0.91	H	- 34.9	6.93		11	1	3
5422	91.16	0.51	0.51	91.11	0.55	0.66	11.95	0.63	H		7.83		23	2	
3269	91.23	0.37	0.39	91.18	0.45	0.50	11.31	0.60	H	+ 49.0	5.70		11	1	3
3276	91.34	0.42	0.35	91.34	0.46	0.40	11.92	0.48	H	- 18.3	5.44		19	1	1
3274	90.96	0.66	0.53	91.12	0.54	0.63	12.12	0.83	H	- 27.9	5.63		39		
3275	91.21	0.69	0.45	91.13	0.49	0.44	7.65	0.77	H	- 16.	5.86		18		
5423	91.33	0.46	0.44	91.28	0.48	0.46	27.20	0.61	H		6.69		21	2	
3273	90.86	0.48	0.55	90.85	0.44	0.53	12.02	0.68	H	+ 0.	5.57		11	1	3
5424	91.07	0.47	0.48	91.15	0.46	0.50	7.45	0.51	H	- 14.6	6.43		11	1	3
3277	90.97	0.67	0.69	90.86	0.46	0.58	7.53	0.78	H	- 21.	5.50		18		
5425	91.49	0.55	0.52	91.43	0.64	0.69	4.98	0.65	H		7.91		11	1	3
3278	91.17	0.69	0.69	90.91	0.46	0.71	14.44	0.95	H	- 12.5	5.86		31		
3279	90.80	0.60	0.46	90.91	0.47	0.54	7.41	0.80	H	- 14.5	6.09		39		
3282	91.23	0.84	0.75	91.24	0.64	0.81	7.26	0.98	H	- 24.	7.01		31		
5427	91.13	0.82	0.79	90.83	0.57	0.70	3.62	0.83	P		7.39	2	13		
5428	91.28	0.78	0.65	91.01	0.57	0.64	13.96	1.07	H		7.52		11	1	3
3283	91.15	0.65	0.55	91.15	0.52	0.58	7.68	0.82	H	- 1.9	5.46		19	1	1
5429	91.06	0.85	0.88	90.92	0.54	0.71	5.71	0.99	H		7.60		11	1	3
5430	90.71	0.79	0.70	90.88	0.64	0.74	.06	1.06	H	- 19.3	7.74	2	31		
3289	91.29	0.47	0.40	91.08	0.44	0.47	4.36	0.49	H	- 15.0	6.02		21	2	
5431	91.16	0.82	0.63	91.22	0.71	0.66	10.03	1.04	H		7.55		11	1	3
5432	91.06	0.80	0.58	90.97	0.46	0.54	27.64	0.91	H		7.53		11	1	3
5433	91.30	0.51	0.48	91.25	0.51	0.52	11.64	0.56	H	+ 6.0	6.95		11	1	3
5434	91.43	0.54	0.49	91.37	0.53	0.53	3.37	0.72	H		7.00		11	1	3
3286	91.02	0.70	0.60	91.07	0.53	0.57	5.31	0.77	H	- 11.1	6.09		19	1	1
3291	91.26	0.44	0.38	91.37	0.45	0.48	4.96	0.49	H	- 35.7	5.37	2	13		
5436	91.01	1.07	0.85	91.01	0.69	0.76	3.04	1.16	H		7.24		11	1	3
5437	91.63	0.49	0.43	91.33	0.54	0.52	5.48	0.60	H		7.33		11	1	3
3288	91.15	0.68	0.53	91.03	0.45	0.47	23.23	0.80	H	- 13.0	4.80		21	2	
3285	91.26	0.37	0.42	91.19	0.50	0.63	3.43	0.64	H	+ 3.4	6.58		11	1	3
3290	91.46	0.43	0.42	91.29	0.52	0.54	6.50	0.79	H	- 9.2	6.70		21	2	
5438	90.98	0.83	0.87	91.24	0.76	0.83	6.46	1.08	H		6.88		21	2	
3292	91.42	0.46	0.46	91.43	0.53	0.55	5.11	0.55	H	- 31.5	5.93		31		
5439	91.33	0.73	0.62	91.18	0.69	0.69	1.87	1.10	H		8.81		11	1	3
5440	91.11	1.03	0.76	91.05	0.88	0.76	3.30	0.46	P	- 21.1	8.51		15	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5410	+ 0.46	- 0.52	- 1.45	+ 9.08	- 0.45	- 1.11	+ 0.59	+ 1.41	- 0.96	- 3.12
5411	+ 0.25	- 0.41	- 1.16	+ 3.45	+ 0.06	+ 0.05	+ 0.14	+ 0.55	+ 1.83	- 0.48
5412	+ 0.45	- 0.32	- 0.40	- 0.46	+ 0.64	- 1.22	+ 0.63	+ 0.82	- 1.58	- 1.64
3262	+ 0.08	- 0.80	- 0.99	- 0.64	+ 0.43	- 0.70	+ 1.37	+ 1.65	+ 0.97	- 1.33
5413	- 0.05	- 0.04	- 0.14	- 1.40	+ 0.14	- 0.25	+ 0.27	+ 0.56	- 2.34	- 0.22
5414	+ 0.29	- 0.09	- 0.10	- 2.81	+ 0.55	- 0.87	+ 0.36	+ 0.49	+ 5.08	- 1.85
3270	- 0.13	+ 0.02	+ 0.03	- 4.00	+ 1.38	+ 0.04	+ 0.00	+ 0.00	+ 5.44	- 1.60
5415	- 0.02	- 0.01	- 0.04	+ 3.70	- 0.87	- 0.72	+ 0.42	+ 0.71	+ 3.60	- 2.19
3268	+ 0.09	- 0.11	- 0.12	- 1.82	+ 1.05	+ 0.77	- 0.51	- 0.63	+ 2.96	+ 0.11
5416	- 0.05	+ 0.12	+ 0.41	- 5.06	+ 1.02	- 0.06	+ 0.08	+ 0.21	+ 0.97	- 0.37
3271	+ 0.69	- 0.22	- 0.27	+ 1.30	+ 0.69	- 0.70	+ 0.15	+ 0.21	+ 1.04	- 1.77
3266	- 0.09	+ 0.04	+ 0.06	- 0.17	- 0.11	+ 0.28	- 0.09	- 0.12	+ 1.70	- 0.05
3267	+ 0.30	+ 0.13	+ 0.28	+ 0.98	+ 0.15	+ 1.27	- 0.31	- 0.59	+ 3.00	+ 2.06
5418	- 0.36	+ 0.44	+ 1.31	- 1.78	- 0.93	+ 0.56	- 0.51	- 1.47	+ 2.34	+ 1.49
5420	- 0.09	+ 0.03	+ 0.64	-11.64	+ 0.06	+ 0.11	- 0.03	- 0.67	+ 1.17	+ 3.18
5421	- 0.13	+ 0.06	+ 0.09	- 0.76	- 0.14	- 0.34	+ 0.32	+ 0.58	- 3.11	- 0.36
5422	+ 5.70	- 0.57	- 0.97	+ 1.25	+12.62	- 0.21	- 0.05	- 0.10	+ 3.82	- 1.38
3269	- 0.13	+ 0.03	+ 0.04	+ 0.28	- 0.39	- 0.26	+ 0.06	+ 0.09	- 1.04	- 0.15
3276	+ 0.71	- 0.46	- 0.51	+ 1.99	+ 0.45	+ 0.64	- 0.50	- 0.57	+ 1.15	+ 0.65
3274	+ 0.35	- 0.92	- 1.13	- 2.51	+ 1.31	+ 0.28	+ 0.01	+ 0.00	+ 3.02	- 0.54
3275	- 0.10	+ 0.05	+ 0.06	- 0.62	+ 0.04	- 0.20	+ 0.14	+ 0.17	+ 0.58	- 0.46
5423	- 1.83	+ 0.14	+ 0.12	-10.72	- 0.59	- 5.98	+ 3.04	+ 3.44	-10.88	- 6.24
3273	- 0.35	+ 0.14	+ 0.18	+ 1.57	- 1.33	- 0.19	+ 0.06	+ 0.08	- 1.57	+ 0.23
5424	- 0.53	+ 0.28	+ 0.37	- 3.35	- 0.32	- 0.50	+ 0.13	+ 0.19	- 3.42	- 0.28
3277	+ 0.17	- 0.05	- 0.09	+ 0.64	+ 0.13	+ 0.43	- 0.09	- 0.16	+ 3.71	- 0.40
5425	- 0.34	+ 0.12	+ 0.21	+ 0.47	- 0.73	- 0.18	+ 0.10	+ 0.21	+ 1.98	- 0.78
3278	- 1.00	+ 0.12	+ 0.11	+ 1.64	- 2.62	- 1.37	+ 0.35	+ 0.52	+ 1.60	- 3.25
3279	+ 0.42	- 0.52	- 0.68	- 0.01	+ 0.77	- 0.82	+ 0.49	+ 0.70	- 0.60	- 1.53
3282	- 0.66	+ 0.44	+ 0.80	- 7.86	- 0.14	- 0.26	- 0.05	- 0.09	- 6.86	+ 0.77
5427	- 0.35	+ 0.14	+ 0.43	- 1.39	- 0.93	+ 0.02	- 0.03	- 0.11	+ 2.23	- 0.65
5428	- 0.33	+ 0.31	+ 0.46	- 2.21	+ 0.07	+ 0.73	- 0.41	- 0.59	+ 0.97	+ 1.07
3283	+ 0.28	- 0.37	- 0.56	+ 1.74	- 0.07	- 0.14	+ 0.26	+ 0.42	- 2.12	+ 0.35
5429	- 0.55	+ 0.28	+ 0.71	- 1.00	- 1.62	+ 0.18	- 0.10	- 0.25	- 0.79	+ 0.90
5430	- 0.01	+ 0.00	+ 0.84	- 0.45	- 0.47	- 0.03	+ 0.01	+ 1.56	+ 5.15	- 3.35
3289	+ 1.08	- 0.28	- 0.44	+ 7.19	- 0.28	- 0.21	+ 0.06	+ 0.12	+ 5.14	- 2.04
5431	- 0.62	+ 0.99	+ 1.40	- 1.61	- 0.83	- 0.65	+ 0.73	+ 1.04	- 2.42	- 0.79
5432	+ 0.15	- 0.22	- 0.27	- 0.21	+ 0.28	- 0.40	+ 0.25	+ 0.30	+ 0.67	- 0.71
5433	- 1.02	+ 0.65	+ 0.81	- 1.08	- 1.31	- 0.69	+ 0.40	+ 0.53	- 0.96	- 0.99
5434	- 0.56	+ 0.28	+ 0.49	+ 0.79	- 1.25	+ 0.09	+ 0.01	+ 0.03	- 3.13	+ 0.68
3286	+ 0.06	+ 0.08	+ 0.15	+ 1.20	- 0.41	+ 0.57	- 0.34	- 0.57	+ 0.78	+ 1.03
3291	+ 0.39	- 0.27	- 0.35	+ 0.11	+ 0.67	- 0.19	+ 0.06	+ 0.10	+ 0.99	- 0.86
5436	- 0.22	+ 0.14	+ 0.46	- 1.18	- 0.59	- 0.17	+ 0.05	+ 0.13	+ 0.03	- 0.60
5437	+ 0.20	- 0.03	- 0.06	+ 3.48	+ 0.06	- 0.10	+ 0.03	+ 0.06	- 0.99	- 0.13
3288	+ 0.68	- 0.91	- 1.07	+ 1.72	+ 0.43	+ 0.44	- 0.13	- 0.14	+ 1.96	+ 0.03
3285	- 0.60	+ 0.02	+ 0.12	+ 0.45	- 4.15	- 0.29	+ 0.03	+ 0.16	- 3.97	- 0.38
3290	+ 2.20	- 0.46	- 0.69	+ 7.95	+ 1.90	- 0.09	- 0.29	- 0.47	- 1.58	+ 0.57
5438	+ 0.47	- 0.40	- 0.90	- 6.03	+ 2.41	+ 0.02	+ 0.17	+ 0.42	+ 8.96	- 1.78
3292	- 0.08	+ 0.06	+ 0.12	- 2.60	+ 0.48	- 1.09	+ 0.30	+ 0.56	- 2.67	- 1.91
5439	- 0.03	+ 0.03	+ 0.09	+ 3.03	- 0.57	- 0.10	+ 0.08	+ 0.27	- 3.17	+ 0.15
5440	- 0.02	- 0.18	- 1.05	- 0.09	+ 0.11	- 0.12	+ 0.31	+ 1.24	+ 1.69	- 0.79

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
5410	1.16	1.17	1.42	3.27	1.53	1.16	0.93	1.04	3.31	1.64	2.37	3.03		2.71	1.31	
5411	0.69	0.78	1.03	1.85	0.87	0.80	0.79	1.00	2.22	1.09	2.30	1.03	1.37	1.91	0.82	
5412	0.66	0.47	0.48	2.72	0.70	0.80	0.56	0.58	3.12	0.89	0.76	2.57	1.32	0.39	0.85	
3262	0.55	0.73	0.78	1.09	0.57	0.61	0.72	0.76	1.42	0.66	0.48	3.09	3.29	1.71	1.83	
5413	0.87	0.98	1.19	2.81	1.04	0.91	0.93	1.10	2.82	1.12	0.51	1.06		0.87	0.06	
5414	0.82	0.48	0.49	3.56	0.85	1.08	0.73	0.76	3.91	1.24	1.76	1.38		1.92	0.13	t
3270	0.80	0.46	0.48	1.70	1.04	1.14	0.52	0.54	3.21	1.78	2.84	1.47	1.19	3.31	0.16	
5415	0.82	0.87	1.01	2.14	1.01	0.84	0.67	0.73	2.42	1.06	2.35	1.96		2.92	1.94	
3268	0.77	0.57	0.58	1.41	0.89	0.88	0.72	0.75	1.71	1.06	2.22	1.24	1.70	2.22	0.69	t
5416	0.80	1.03	1.43	2.04	0.99	0.80	0.80	0.96	2.32	1.02	0.58	2.23		2.74	0.77	
3271	0.77	0.52	0.54	1.50	0.95	0.88	0.57	0.59	1.82	1.14	1.06	1.84	1.92	1.35	2.00	t
3266	1.11	0.63	0.65	2.28	1.43	1.08	0.62	0.64	2.42	1.36	0.73	0.12	0.54	0.63	1.17	
3267	0.99	0.61	0.65	2.25	1.40	1.03	0.63	0.68	2.41	1.50	1.48	1.61	0.68	0.46	0.31	t
5418	0.95	0.90	1.08	2.58	1.31	0.98	0.89	1.05	2.82	1.37	2.06	1.65		0.40	1.91	
5420	0.77	0.71	0.79	3.62	1.73	0.78	0.72	0.79	3.53	1.95	3.35	1.85	2.47	2.96	0.54	t
5421	0.84	0.86	1.00	2.84	1.01	0.81	0.81	0.93	3.02	0.96	1.21	0.74	1.35	0.89	0.97	
5422	1.35	0.52	0.53	3.53	1.94	1.49	0.68	0.70	4.14	2.28	1.12	6.79	0.48	3.03	0.75	t
3269	1.05	0.41	0.42	2.21	1.38	1.05	0.54	0.56	2.43	1.34	0.47	0.34	1.11	0.41	0.43	
3276	0.57	0.44	0.45	1.26	0.61	0.61	0.52	0.53	1.54	0.66	2.15	1.92	0.86	1.14	0.29	t
3274	0.71	0.82	0.88	1.65	0.73	1.00	0.75	0.79	2.21	1.24	1.47	2.13	1.11	2.53	0.20	t
3275	0.60	0.64	0.69	1.28	0.69	0.64	0.57	0.60	1.52	0.73	0.52	0.68	1.33	0.77	0.73	t
5423	0.75	0.54	0.55	2.08	0.79	0.78	0.57	0.58	2.33	0.83	7.86	9.71	11.61	4.92	5.22	
3273	0.97	0.62	0.64	2.02	1.24	0.90	0.61	0.63	1.93	1.11	1.04	1.08	0.99	1.46	0.65	
5424	0.75	0.56	0.59	2.27	0.86	0.94	0.55	0.57	2.83	1.18	2.02	0.76	0.44	1.62	0.55	
3277	1.03	0.78	0.84	2.27	1.41	1.08	0.62	0.65	2.51	1.55	1.53	0.19	2.28	1.41	0.88	t
5425	0.86	0.57	0.60	2.92	1.10	0.99	0.76	0.83	3.28	1.32	0.97	0.53		0.87	1.58	
3278	1.11	0.85	0.92	2.28	1.41	1.14	0.86	0.94	2.52	1.47	0.77	3.01	1.11	2.30	0.27	
3279	0.66	0.60	0.64	1.46	0.73	0.85	0.63	0.66	1.72	1.14	0.81	2.20	2.60	0.66	1.46	t
3282	1.02	0.90	1.01	3.23	1.23	1.20	0.89	0.98	3.81	1.61	3.12	0.71	2.91	2.89	1.30	
5427	1.07	0.84	0.94	2.77	1.76	1.06	0.72	0.78	3.03	1.84	0.97	0.74	1.08	0.83	1.73	t
5428	1.09	0.76	0.80	2.41	1.40	1.05	0.75	0.79	2.43	1.32	1.19	1.09	0.44	0.82	0.56	
3283	0.73	0.76	0.84	1.52	0.88	0.80	0.75	0.83	1.81	0.99	1.76	0.40	0.24	1.58	0.67	t
5429	1.20	0.96	1.07	3.01	1.85	1.14	0.75	0.81	3.02	1.76	0.57	1.22	1.21	0.51	1.00	
5430	0.70	0.71	1.04	3.47	0.99	0.74	0.74	0.95	3.42	1.27	3.17	1.08		2.33	1.62	
3289	0.75	0.43	0.45	1.72	0.99	1.00	0.48	0.50	3.03	1.56	4.59	1.33	0.51	4.30	0.97	
5431	0.76	0.94	1.05	2.68	0.82	0.83	0.92	1.02	3.02	0.91	1.52	2.23	1.11	0.59	0.39	
5432	0.83	0.79	0.82	2.04	0.92	0.89	0.65	0.67	2.32	1.00	0.16	0.92	0.68	0.59	0.38	
5433	0.77	0.58	0.60	2.64	0.84	0.96	0.59	0.61	3.33	1.11	0.82	2.31	0.30	0.08	0.59	
5434	0.71	0.55	0.60	2.33	0.90	0.76	0.60	0.66	2.43	0.99	1.26	1.73	0.95	1.67	0.30	
3286	0.77	0.77	0.86	1.61	0.99	0.83	0.67	0.73	1.82	1.11	0.92	1.24	0.82	0.86	1.59	t
3291	0.59	0.47	0.49	1.27	0.69	0.84	0.52	0.55	1.83	1.16	0.58	1.42	0.84	0.94	0.30	t
5436	1.01	0.94	1.13	2.95	1.45	0.98	0.82	0.94	3.02	1.48	0.52	0.74	2.44	0.26	0.80	
5437	0.94	0.45	0.47	4.06	1.20	1.06	0.54	0.56	4.43	1.48	0.90	0.15	1.40	0.83	0.76	
3288	0.71	0.81	0.85	1.36	0.80	0.76	0.59	0.61	1.61	0.85	2.16	1.31	3.88	1.34	1.36	
3285	1.11	0.42	0.43	4.53	2.68	1.19	0.63	0.65	4.12	3.12	0.99	1.58	0.76	1.12	0.42	
3290	0.90	0.45	0.47	2.18	1.16	0.94	0.60	0.63	2.21	1.28	3.92	2.14	4.00	2.59	1.03	
5438	1.10	1.02	1.19	3.31	1.44	1.13	0.95	1.09	3.52	1.51	2.69	1.99	0.48	3.65	1.19	
3292	0.77	0.52	0.55	2.00	0.95	0.96	0.59	0.62	2.72	1.33	1.74	1.73	2.85	1.41	0.13	
5439	0.75	0.69	0.81	2.68	1.02	0.81	0.77	0.93	2.72	1.13	0.51	1.59		1.69	0.47	
5440	0.82	1.05	1.68	2.20	0.99	0.84	1.00	1.53	2.42	1.03	1.10	0.42		0.95	0.47	t

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	''	[mas/yr]		[mas/yr]		
5441	80144	FX		16	21	30.229087	-	69	43	22.78781	-	29.52	-	80.33
5442	80193	FX		16	22	17.389971	-	8	44	29.88418	-	24.09	-	10.01
5443	80210	FX		16	22	28.596671	-	75	40	45.33251	-	1.65	-	8.92
5444	80284	FX		16	23	20.918107	+	58	42	50.26643	-	44.15	+	53.44
5445	80285	FX		16	23	21.300081	-	51	30	8.90829	-	9.16	-	16.53
5446	80391	FX		16	24	31.975420	-	35	10	30.92874	+	50.54	-	12.81
5447	80398	FX		16	24	39.449090	-	2	29	17.13919	-	32.79	-	14.71
5448	80435	FX		16	25	6.750558	+	24	3	23.66941	+	7.48	-	1.99
5449	80464	FX		16	25	26.739749	-	19	50	14.22689	-	11.34	-	31.28
3305	80480	RS		16	25	43.183837	+	78	57	49.87628	-	113.06	+	104.50
5451	80525	FX		16	26	19.726253	-	45	47	29.00940	-	2.33	-	4.34
5452	80527	FX		16	26	21.195721	+	2	30	28.21641	-	21.62	+	15.94
5453	80549	FX		16	26	43.473317	+	40	54	50.47159	+	31.95	-	14.64
5454	80561	FX		16	26	51.229634	+	85	37	1.44931	+	27.41	+	36.43
3988	80567	RS		16	27	0.760166	-	82	33	35.66860	-	12.41	-	18.74
5456	80662	FX		16	28	8.200623	+	17	29	27.90187	-	12.93	+	4.30
3297	80675	BX	25 Her	16	28	15.158897	-	58	35	59.26005	-	22.10	-	35.11
5457	80691	FX		16	28	31.825052	+	29	4	32.53469	-	14.56	+	13.73
3300	80693	RS		16	28	33.980557	+	0	39	54.01052	+	5.65	-	67.59
5458	80697	FX		16	28	35.058352	+	49	24	56.09199	+	7.22	+	11.01
3303	80704	RS	30 Her	16	28	38.547656	+	41	52	54.03810	+	29.02	-	5.51
3301	80782	BX		16	29	42.328163	-	46	14	35.62335	-	2.72	-	3.84
5459	80790	FX		16	29	45.868891	-	52	24	17.16503	-	10.63	+	3.21
5460	80818	FX		16	30	14.957423	+	47	57	8.56477	-	94.04	-	275.83
5461	80848	FX		16	30	38.062084	+	9	43	53.43279	+	3.00	-	10.80
3302	80874	BX		16	30	49.359482	-	61	38	0.61258	-	11.39	-	9.14
3307	80975	RS	ω Oph	16	32	8.200406	-	21	27	59.00994	+	22.02	+	35.47
5463	80996	FX		16	32	30.296173	-	83	35	32.35879	-	28.60	-	40.73
3309	81007	RS	28 Her	16	32	35.685170	+	5	31	16.39297	+	15.39	-	0.44
3310	81008	RS	29 Her	16	32	36.291334	+	11	29	16.95338	-	179.59	-	78.73
3311	81122	BX	μ Nor	16	34	5.020979	-	44	2	43.13346	+	0.89	-	2.54
3306	81141	BX		16	34	19.340387	-	70	59	17.14939	-	16.21	-	13.15
5466	81237	FX		16	35	29.674645	-	18	40	20.49122	-	86.32	+	17.86
3312	81252	BX	ϑ TrA	16	35	44.818922	-	65	29	43.43806	+	34.09	-	28.95
5467	81269	FX		16	35	55.643778	-	37	21	47.01254	-	92.49	-	49.11
3314	81289	BX		16	36	11.201723	+	46	36	47.99671	-	11.99	+	3.04
5468	81331	FX		16	36	38.759590	+	2	1	59.33887	-	18.84	-	19.42
5469	81347	FX		16	36	48.557178	-	6	17	39.50078	-	21.68	-	2.95
5470	81383	FX		16	37	15.369611	-	11	20	28.44815	+	10.77	-	8.52
5471	81401	FX		16	37	30.170278	+	43	33	53.04340	+	5.88	+	17.36
3316	81425	BX		16	37	48.009833	+	13	41	13.32568	-	33.78	-	62.25
3318	81426	RS		16	37	49.013310	+	27	2	37.80633	+	1.59	-	33.65
3315	81440	RS		16	38	1.553804	-	6	32	16.85206	-	7.87	-	9.29
5473	81524	FX		16	39	5.933511	+	24	41	46.31198	-	32.62	-	94.23
3326	81660	BX	18 Dra	16	40	55.119994	+	64	35	20.56838	+	0.46	-	15.94
3323	81670	RS		16	41	0.581825	+	24	51	31.33475	-	34.49	+	1.75
5474	81671	FX		16	41	3.046707	-	15	21	25.56339	-	5.60	-	41.12
5475	81673	FX		16	41	4.582831	+	36	12	4.29897	+	30.58	-	21.04
5476	81717	FX		16	41	30.199736	+	4	52	18.62313	+	1.71	-	22.03
3322	81728	BX		16	41	36.179068	-	24	28	4.66024	-	54.10	-	9.03

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5441	91.36	0.45	0.44	91.18	0.69	0.69	6.27	1.00	H		8.56		25	2	
5442	91.08	1.01	0.82	91.26	0.73	0.74	5.89	1.17	H	- 26.0	7.34		13		
5443	91.45	0.52	0.50	91.35	0.65	0.64	1.93	0.44	P		7.99		21	2	
5444	91.23	0.78	0.70	91.18	0.69	0.72	12.11	0.81	H		8.94		11	1	3
5445	91.14	0.95	1.04	90.96	0.74	0.92	5.67	1.30	H		8.99		11	1	3
5446	91.16	0.83	0.77	90.86	0.56	0.77	11.48	1.03	H		7.54		11	1	3
5447	90.64	1.02	0.51	91.05	0.80	0.55	16.30	1.20	H		7.21		11	1	3
5448	91.21	0.40	0.45	91.21	0.57	0.62	2.21	0.82	H		7.76	1	11	1	3
5449	90.93	1.08	0.77	90.76	0.66	0.73	5.96	1.21	H		9.01		11	1	3
3305	91.45	0.43	0.41	91.22	0.50	0.53	23.61	0.52	H	- 12.0	5.55		11	1	3
5451	91.28	0.92	0.82	90.75	0.51	0.72	.50	1.14	H		7.50		15	1	3
5452	91.09	0.79	0.64	91.07	0.61	0.66	8.81	0.84	H	- 22.8	6.66		11	1	3
5453	91.45	0.75	0.64	91.22	0.77	0.74	5.86	0.94	H		9.07		11	1	3
5454	91.23	0.62	0.58	90.89	0.70	0.74	11.40	0.75	H		8.63		11	1	3
3988	91.34	0.45	0.46	91.33	0.46	0.49	6.05	0.56	H		6.80		11	1	3
5456	90.93	0.91	0.79	90.96	0.79	0.76	3.90	1.24	H		9.21		31		
3297	91.04	0.48	0.50	90.92	0.41	0.52	4.80	0.72	H	+ 1.5	5.67		11	1	3
5457	91.13	0.43	0.44	91.30	0.55	0.57	5.78	0.77	H		7.24		11	1	3
3300	90.97	0.77	0.61	90.94	0.61	0.63	7.72	0.87	H	+ 7.6	5.41		19	1	1
5458	91.21	0.69	0.61	91.36	0.69	0.59	1.63	0.83	H		9.12		15	1	3
3303	91.17	0.50	0.39	91.31	0.50	0.44	9.03	0.61	H	+ 4.2	4.83	2	23	2	
3301	91.12	0.77	0.76	90.73	0.49	0.71	.93	0.21	P	- 14.8	5.35	1	18		
5459	91.34	0.93	0.91	90.89	0.53	0.69	4.22	0.97	H		8.08		31		
5460	91.31	0.49	0.48	91.28	0.47	0.44	19.70	0.56	H	- 46.4	6.98		11	1	3
5461	90.91	0.76	0.80	90.93	0.48	0.70	-.97	1.17	H		8.81		11	1	3
3302	91.21	0.43	0.45	91.02	0.42	0.44	4.87	0.65	H	+ 3.9	5.19		19	1	1
3307	91.11	0.65	0.55	90.98	0.45	0.49	18.66	0.71	H	+ 2.5	4.45		31		
5463	91.33	0.55	0.58	91.33	0.60	0.64	3.71	0.71	H	+ 17.4	7.91		35		
3309	90.71	0.67	0.54	90.72	0.36	0.51	10.12	0.94	H	- 27.6	5.63		11	1	3
3310	90.94	0.58	0.55	90.96	0.39	0.55	10.29	0.87	H	+ 2.9	4.84		11	1	3
3311	91.13	0.63	0.56	91.13	0.52	0.50	.90	0.12	P	+ 6.3	4.86	1	19	1	1
3306	91.20	0.33	0.33	91.20	0.48	0.51	3.46	0.61	H	- 3.	5.50		15	1	3
5466	91.11	1.02	0.69	90.99	0.65	0.63	25.32	1.15	H		8.74		11	1	3
3312	91.14	0.44	0.44	91.00	0.44	0.47	9.94	0.66	H	+ 9.6	5.50		11	1	3
5467	91.22	1.03	1.04	91.32	0.81	0.91	17.78	1.25	H		8.51		21	2	
3314	91.22	0.46	0.38	91.17	0.43	0.42	3.71	0.51	H	- 14.7	5.83		31		
5468	90.77	1.01	0.73	90.76	0.53	0.67	3.50	1.18	H		8.45		11	1	3
5469	91.10	1.02	0.79	90.83	0.56	0.83	17.93	1.12	H		7.85		11	1	3
5470	90.89	1.06	1.04	90.75	0.65	0.97	2.56	1.17	H		8.27	2	13		
5471	91.30	0.50	0.46	91.14	0.49	0.50	6.59	0.57	H	- 16.	7.28		19	1	1
3316	90.91	0.52	0.47	90.82	0.39	0.48	14.39	0.73	H	- 21.1	6.30		31		
3318	91.47	0.43	0.45	91.35	0.54	0.57	3.55	0.75	H	+ 6.3	6.96	2	11	1	3
3315	91.09	0.89	0.52	90.79	0.55	0.57	7.92	1.05	H	- 23.6	6.05		11	1	3
5473	91.22	0.37	0.42	91.37	0.68	0.63	11.23	1.01	H		7.83		11	1	3
3326	91.75	0.38	0.31	91.30	0.42	0.42	4.79	0.45	H	+ 0.3	4.84		31		
3323	91.22	0.29	0.35	91.26	0.47	0.51	7.26	0.72	H	- 67.6	6.07		11	1	3
5474	90.93	1.03	0.74	90.85	0.69	0.70	11.70	1.12	H	- 18.8	8.40		11	1	3
5475	91.23	0.47	0.46	91.29	0.54	0.55	8.47	0.64	H	- 8.	7.29		11	1	3
5476	90.86	0.74	0.62	90.74	0.48	0.65	7.99	0.89	H	+ 2.	6.96		31		
3322	91.13	0.70	0.63	90.93	0.43	0.49	12.44	0.74	H	- 46.0	6.07		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5441	+ 3.21	- 0.25	- 0.49	+ 3.88	+ 7.22	- 1.34	+ 0.23	+ 0.50	- 0.65	- 3.43
5442	+ 1.07	- 0.45	- 0.97	+ 1.51	+ 2.32	+ 0.95	- 0.34	- 0.55	+ 5.07	+ 1.15
5443	+ 0.79	- 0.04	- 0.21	+ 3.74	+ 3.78	- 0.91	+ 0.17	+ 0.75	- 2.76	- 4.48
5444	- 0.95	+ 0.65	+ 0.94	- 4.77	- 1.07	- 0.46	+ 0.15	+ 0.23	+ 1.42	- 0.96
5445	+ 0.03	- 0.02	- 0.07	- 1.96	+ 0.81	+ 0.53	- 0.13	- 0.44	+ 5.23	+ 0.58
5446	+ 0.96	- 0.34	- 0.63	- 1.26	+ 2.76	+ 0.00	+ 0.20	+ 0.39	- 0.54	+ 0.02
5447	- 0.11	+ 0.93	+ 1.34	- 0.03	- 0.20	- 0.23	+ 0.45	+ 0.56	- 3.11	+ 0.12
5448	+ 0.36	- 0.08	- 0.21	+ 6.58	+ 0.21	+ 0.54	- 0.25	- 0.73	+ 0.23	+ 1.86
5449	+ 0.00	- 0.05	- 0.16	+ 1.16	- 0.26	- 0.08	+ 0.14	+ 0.29	- 0.37	- 0.12
3305	+ 0.04	+ 0.02	+ 0.02	+ 0.57	- 0.20	+ 0.93	- 0.21	- 0.27	+ 3.20	+ 0.61
5451	- 0.09	+ 0.04	+ 0.63	- 2.26	- 0.85	- 0.07	+ 0.01	+ 0.08	+ 5.04	- 2.40
5452	- 0.17	+ 0.08	+ 0.08	- 2.16	+ 0.01	- 0.59	+ 0.32	+ 0.50	+ 2.28	- 1.35
5453	- 0.09	+ 0.06	+ 0.09	+ 0.51	- 0.26	- 0.12	+ 0.08	+ 0.16	+ 0.36	- 0.34
5454	+ 0.70	- 0.25	- 0.35	+ 1.84	+ 0.86	+ 0.03	- 0.04	- 0.06	- 3.11	+ 0.51
3988	+ 1.35	- 0.09	- 0.22	+ 6.58	+ 2.66	- 0.02	+ 0.02	+ 0.04	- 2.58	+ 0.78
5456	- 0.06	+ 0.34	+ 1.14	- 8.28	+ 1.05	- 0.49	+ 0.74	+ 1.98	- 2.86	- 1.01
3297	+ 0.41	- 0.05	- 0.08	+ 2.35	+ 0.14	+ 0.60	- 0.13	- 0.23	- 0.61	+ 1.65
5457	+ 0.07	+ 0.00	+ 0.00	- 2.54	+ 0.36	- 0.47	+ 0.20	+ 0.34	- 4.09	- 0.44
3300	- 0.89	+ 0.88	+ 1.32	- 3.19	- 0.79	- 0.25	- 0.20	- 0.36	- 1.17	- 0.01
5458	+ 0.02	- 0.01	- 0.02	- 2.67	+ 0.47	+ 0.24	- 0.07	- 0.27	- 1.39	+ 1.35
3303	- 0.12	+ 0.11	+ 0.13	- 0.44	+ 0.04	- 0.04	- 0.01	+ 0.00	- 5.51	+ 1.27
3301	+ 0.10	- 0.10	- 0.70	+ 0.51	+ 0.74	+ 0.05	- 0.01	+ 0.03	+ 1.84	- 0.36
5459	- 0.65	+ 0.39	+ 1.14	- 2.42	- 1.72	+ 0.52	- 0.06	- 0.11	- 0.37	+ 1.71
5460	- 0.37	+ 0.15	+ 0.18	- 1.08	- 0.35	+ 0.12	- 0.05	- 0.06	+ 1.00	+ 0.02
5461	+ 0.00	+ 0.00	- 1.11	+ 2.72	+ 0.22	+ 0.00	+ 0.00	- 1.15	- 3.63	+ 1.69
3302	- 0.12	+ 0.00	+ 0.00	- 0.12	- 0.21	- 0.41	+ 0.09	+ 0.15	- 1.78	- 0.30
3307	+ 1.66	- 1.48	- 1.81	+ 3.47	+ 1.46	- 0.15	+ 0.61	+ 0.76	+ 2.62	- 1.20
5463	- 0.96	+ 0.22	+ 0.54	- 5.26	- 1.16	+ 0.27	- 0.06	- 0.17	- 1.35	+ 1.73
3309	- 0.20	+ 0.12	+ 0.16	- 1.84	+ 0.43	- 0.05	+ 0.03	+ 0.03	+ 1.37	- 0.60
3310	- 0.74	+ 0.91	+ 1.21	- 2.07	- 0.75	+ 0.57	- 0.31	- 0.43	+ 0.79	+ 0.84
3311	+ 0.21	- 0.07	- 0.37	+ 3.10	+ 0.35	+ 0.05	+ 0.00	+ 0.01	+ 1.31	- 0.13
3306	+ 0.75	- 0.08	- 0.16	+ 2.51	+ 1.05	+ 0.18	- 0.08	- 0.16	+ 1.55	+ 0.03
5466	+ 0.56	- 0.78	- 0.99	+ 0.43	+ 0.78	+ 0.95	- 0.71	- 0.86	+ 3.33	+ 0.74
3312	+ 0.60	- 0.12	- 0.17	+ 0.11	+ 1.28	- 0.50	+ 0.15	+ 0.20	+ 1.75	- 1.57
5467	+ 2.68	- 1.82	- 3.25	+ 8.32	+ 3.11	- 1.16	+ 0.77	+ 1.28	- 1.40	- 2.15
3314	- 0.69	+ 0.55	+ 0.76	- 0.29	- 1.29	- 0.40	+ 0.17	+ 0.27	- 1.01	- 0.51
5468	- 0.29	+ 0.62	+ 1.66	- 2.42	- 0.51	- 0.02	+ 0.07	+ 0.20	+ 3.48	- 0.88
5469	- 0.75	+ 0.20	+ 0.06	- 2.59	- 0.48	- 1.05	+ 0.73	+ 1.16	- 3.38	- 0.96
5470	- 0.07	- 0.01	- 0.12	+ 0.54	- 0.45	- 0.12	+ 0.06	+ 0.30	+ 1.71	- 1.10
5471	+ 0.25	- 0.12	- 0.16	+ 2.22	+ 0.16	- 0.34	+ 0.10	+ 0.15	- 2.56	- 0.28
3316	- 0.90	+ 1.44	+ 1.72	- 2.36	- 0.60	- 0.11	- 0.03	- 0.05	- 0.46	- 0.02
3318	+ 0.02	- 0.01	- 0.04	+ 2.21	- 0.44	+ 0.63	- 0.12	- 0.32	+ 2.84	+ 1.27
3315	- 0.14	+ 0.29	+ 0.42	- 0.39	- 0.12	- 0.12	+ 0.08	+ 0.06	+ 0.03	- 0.21
5473	- 0.64	+ 0.14	+ 0.19	- 0.58	- 0.91	+ 0.61	- 0.38	- 0.53	+ 2.04	+ 0.68
3326	+ 1.30	- 0.40	- 0.50	+ 1.11	+ 1.81	+ 0.91	- 0.14	- 0.24	+ 1.58	+ 1.40
3323	- 0.07	+ 0.01	+ 0.01	+ 0.78	- 0.40	- 0.92	+ 0.16	+ 0.27	- 2.40	- 1.25
5474	+ 0.45	- 0.69	- 1.00	- 0.57	+ 0.89	+ 0.72	- 0.90	- 1.25	+ 3.11	+ 0.62
5475	- 0.42	+ 0.07	+ 0.11	- 1.30	- 0.52	+ 0.08	- 0.03	- 0.05	+ 5.90	- 0.67
5476	+ 0.87	- 1.57	- 2.45	+ 1.20	+ 1.41	- 0.44	+ 0.74	+ 1.24	- 3.93	- 0.30
3322	+ 0.63	- 0.45	- 0.60	+ 2.76	+ 0.05	+ 1.06	- 0.39	- 0.46	+ 0.54	+ 1.54

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
5441	1.14	0.45	0.46	3.39	1.74	1.16	0.73	0.77	3.35	1.74	1.32	4.81	1.11	1.14	2.49	t
5442	1.07	0.96	1.12	3.00	1.44	1.00	0.87	1.00	3.12	1.28	1.92	2.28	2.10	1.19	2.40	t
5443	0.89	0.51	0.53	3.60	1.93	0.92	0.66	0.71	3.55	1.73	1.46	3.48	0.63	0.44	0.60	
5444	1.01	0.85	0.91	3.70	1.15	1.17	0.81	0.85	4.22	1.42	1.56	1.52		1.09	1.03	
5445	1.44	1.08	1.19	4.33	2.47	1.37	0.96	1.03	4.12	2.37	1.40	0.51	1.03	1.12	0.81	
5446	1.29	0.86	0.93	3.10	1.81	1.29	0.85	0.92	3.23	1.79	0.35	1.67	1.03	1.13	0.50	
5447	0.57	1.26	1.48	1.71	0.57	0.66	0.94	1.02	1.93	0.69	1.80	1.05	0.94	1.58	0.75	
5448	0.79	0.47	0.49	3.32	1.21	0.83	0.66	0.74	3.11	1.21	1.85	2.05		1.87	1.59	
5449	0.84	1.15	1.52	2.03	1.00	0.85	1.00	1.23	2.22	1.04	0.28	0.56		0.64	1.05	
3305	0.89	0.45	0.46	1.68	1.05	1.14	0.58	0.59	2.64	1.38	1.32	0.61	1.29	0.95	1.48	
5451	0.86	0.84	1.09	2.75	1.47	0.78	0.73	0.90	2.73	1.46	1.94	1.76	0.51	2.44	1.15	t
5452	0.79	0.90	1.01	2.59	0.88	0.96	0.79	0.86	3.12	1.15	0.96	1.31	0.68	1.35	0.64	
5453	0.89	0.75	0.82	2.87	1.10	0.96	0.87	0.97	3.03	1.22	0.42	0.15		0.33	0.52	
5454	1.01	0.64	0.67	3.09	1.22	1.06	0.87	0.94	3.40	1.27	0.94	1.11		1.04	1.50	
3988	1.25	0.46	0.47	4.12	2.13	1.35	0.49	0.50	4.62	2.74	1.73	1.35	2.15	1.05	0.82	
5456	0.91	0.97	1.23	2.76	1.15	0.87	0.95	1.20	2.72	1.08	1.88	3.44		3.19	0.30	t
3297	0.94	0.53	0.56	2.30	1.38	0.93	0.55	0.58	2.42	1.33	1.03	1.31	1.11	1.16	0.70	
5457	0.80	0.48	0.50	3.04	0.96	0.88	0.65	0.69	3.42	1.07	1.51	0.71	0.95	1.37	1.22	
3300	0.81	0.80	0.88	1.83	0.97	0.94	0.75	0.82	2.31	1.20	2.27	1.61	0.87	1.24	1.26	t
5458	0.80	0.64	0.72	3.26	1.24	0.81	0.61	0.67	3.23	1.35	1.13	0.86		1.19	0.67	t
3303	0.55	0.55	0.57	0.95	0.66	0.64	0.57	0.60	1.53	0.72	3.38	1.39	2.36	4.05	1.09	t
3301	0.82	0.83	1.14	2.00	1.25	0.77	0.77	1.02	2.02	1.20	0.99	0.86	0.39	0.94	1.18	t
5459	1.11	1.01	1.19	3.15	1.60	1.07	0.73	0.79	3.33	1.68	1.06	1.80	2.55	0.59	0.89	
5460	0.89	0.56	0.57	2.65	0.98	0.94	0.49	0.50	2.73	1.05	0.60	0.47	0.17	0.42	0.09	
5461	0.80	0.80	1.27	2.55	1.13	0.70	0.70	1.01	2.72	1.05	2.06	1.61		2.03	1.00	
3302	0.87	0.48	0.50	2.03	1.23	0.83	0.47	0.49	2.03	1.12	0.93	0.41	1.64	0.64	0.48	t
3307	0.82	0.73	0.76	1.58	0.96	0.81	0.61	0.63	1.71	0.94	3.24	3.01	2.93	2.24		
5463	0.97	0.60	0.64	2.49	1.58	1.09	0.66	0.69	3.21	1.97	2.28	1.35	3.42	1.61	0.83	t
3309	0.78	0.70	0.74	1.52	0.95	0.81	0.61	0.64	1.71	1.01	1.38	0.57	1.54	1.61	1.28	t
3310	0.76	0.77	0.82	1.79	0.83	0.94	0.63	0.66	2.11	1.17	1.75	1.90	0.82	0.67	0.16	t
3311	0.70	0.58	0.65	2.08	1.32	0.65	0.51	0.57	2.12	1.20	1.71	0.50	1.02	1.26	1.09	t
3306	0.83	0.34	0.35	2.09	1.30	0.83	0.54	0.58	2.23	1.19	1.46	0.91	0.93	0.85	0.87	t
5466	0.86	1.03	1.11	2.17	0.96	0.90	0.82	0.86	2.32	1.02	1.76	1.80		1.03	1.61	
3312	1.05	0.46	0.47	2.15	1.46	0.98	0.51	0.52	2.22	1.27	0.69	1.58	0.58	1.37	0.09	
5467	1.43	1.22	1.34	2.90	2.00	1.33	1.06	1.14	2.93	1.79	3.06	3.72		1.49	0.91	
3314	0.55	0.47	0.50	1.09	0.69	0.68	0.46	0.49	1.62	0.90	1.15	2.52	1.77	0.82	1.89	t
5468	0.79	0.97	1.28	2.29	0.96	0.88	0.75	0.85	2.62	1.22	1.50	1.97		1.69	1.56	
5469	0.99	1.22	1.47	2.29	1.17	1.07	1.24	1.50	2.52	1.28	2.03	1.36	0.51	1.19	0.29	
5470	1.19	1.12	1.49	3.56	1.88	1.14	1.05	1.38	3.61	1.78	0.69	0.42		0.74	1.24	t
5471	0.74	0.54	0.57	2.76	0.84	0.91	0.55	0.57	3.22	1.12	0.47	1.18		0.98	1.95	t
3316	0.61	0.73	0.77	1.20	0.69	0.68	0.65	0.68	1.52	0.77	2.88	2.26	2.39	1.30	0.86	t
3318	0.89	0.47	0.49	2.83	1.31	0.99	0.59	0.62	2.81	1.65	1.35	0.95	0.98	0.98	1.19	
3315	0.61	0.96	1.19	1.23	0.70	0.66	1.00	1.25	1.52	0.76	0.49	0.56	1.58	0.24	0.39	
5473	0.98	0.45	0.46	2.76	1.18	0.94	0.75	0.79	2.82	1.11	1.23	0.92		0.46	0.73	
3326	0.60	0.34	0.35	1.41	0.70	0.84	0.44	0.46	1.93	1.17	1.44	3.25	0.34	0.45	0.33	
3323	0.96	0.36	0.37	2.33	1.25	1.09	0.53	0.55	2.41	1.64	1.13	0.93	2.25	0.60	0.27	t
5474	0.84	1.24	1.51	2.20	0.95	0.84	1.05	1.22	2.23	0.96	1.89	1.75		1.19	1.60	
5475	1.01	0.49	0.50	3.30	1.26	0.94	0.61	0.64	3.13	1.13	1.91	0.67	0.14	1.99	0.99	
5476	0.75	0.88	1.00	2.29	0.84	0.89	0.80	0.88	2.62	1.06	2.33	3.04	2.13	1.29	0.58	
3322	0.83	0.87	0.94	1.67	1.00	0.83	0.59	0.61	1.91	0.99	1.85	1.86	1.24	1.47	0.64	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3321	81733	RS		16 41 40.225326	- 49 39 5.59092	- 2.48	- 3.00
3324	81734	RS	14 Oph	16 41 42.482059	+ 1 10 52.43306	- 100.57	+ 53.47
5477	81779	FX		16 42 12.217038	- 67 29 7.08080	+ 9.30	+ 6.56
3328	81800	BX		16 42 27.812071	+ 49 56 11.18676	+ 133.32	- 107.83
5478	81843	FX		16 43 1.302267	- 8 57 4.56224	- 14.14	- 16.60
3325	81891	RS		16 43 38.723940	- 32 6 21.40268	- 8.39	- 23.20
3330	81911	BX		16 43 51.687549	+ 34 2 19.69277	- 73.06	+ 57.69
5479	82001	FX		16 45 5.497976	- 31 22 47.91135	- 2.12	- 6.06
5480	82071	FX		16 45 49.394835	+ 21 37 32.07789	- 5.32	- 3.38
3332	82073	BX	43 Her	16 45 49.891976	+ 8 34 57.41336	- 1.78	+ 15.12
3331	82091	BX		16 46 6.372842	- 46 31 55.18131	- 3.28	- 31.75
5481	82113	FX		16 46 23.816507	+ 47 32 35.89740	+ 26.13	+ 16.13
5482	82140	FX		16 46 51.344328	- 25 31 42.85306	- 4.47	- 13.98
3336	82172	BX		16 47 19.746276	+ 42 14 20.10434	+ 1.81	- 25.38
3333	82216	RS	45 Her	16 47 46.419823	+ 5 14 48.27904	- 19.58	- 39.45
5483	82289	FX		16 48 51.431989	- 4 30 56.41034	+ 6.01	- 84.63
5484	82306	FX		16 49 1.453018	- 20 27 21.58188	- 1.99	- 4.82
5485	82324	FX		16 49 15.277408	+ 29 57 52.96001	- 62.43	+ 78.54
3338	82332	BX		16 49 23.389417	+ 52 55 0.68608	- 18.46	- 6.13
5486	82364	FX		16 49 47.411933	- 18 15 37.92587	+ 32.71	- 0.30
5488	82421	FX		16 50 37.086513	+ 63 8 22.09674	- 9.63	+ 13.49
3339	82422	RS	50 Her	16 50 38.958441	+ 29 48 23.54112	- 5.56	- 2.41
5489	82458	FX		16 51 5.543934	- 27 58 47.71466	- 8.69	- 5.68
5490	82461	FX		16 51 7.698349	+ 12 30 2.75254	+ 3.47	- 6.04
3337	82517	BX		16 51 53.882714	- 65 22 31.64152	- 1.40	- 12.82
3340	82568	BX		16 52 41.142166	+ 18 3 43.67829	+ 29.38	- 22.59
3345	82718	RS		16 54 28.501820	+ 70 27 50.43483	- 5.59	- 35.28
3342	82730	BX	23 Oph	16 54 35.693393	- 6 9 14.33703	- 30.91	- 22.02
5492	82763	FX		16 54 53.351106	+ 87 44 3.35219	- 15.79	- 5.68
3343	82764	RS		16 54 55.170613	+ 20 57 30.56140	+ 56.60	+ 2.02
5493	82778	FX		16 55 1.065894	- 56 2 53.82710	- 6.48	- 50.46
3351	82880	BX		16 56 16.735359	+ 73 7 40.32035	- 1.01	- 20.45
5494	82893	FX		16 56 22.638284	+ 31 0 40.49959	- 13.42	- 12.06
5495	82894	FX		16 56 24.144395	+ 80 51 34.46928	+ 0.44	+ 9.01
3346	82989	BX		16 57 32.040280	+ 13 53 2.80558	- 80.00	+ 69.71
3347	83007	BX		16 57 42.307077	+ 24 22 52.54209	+ 6.14	- 19.34
3349	83013	BX		16 57 50.177787	+ 42 30 44.81989	- 9.69	- 41.30
5496	83065	FX		16 58 23.597842	- 43 0 17.70842	+ 2.75	- 6.69
3348	83090	RS		16 58 41.561774	- 14 52 10.82490	- 0.71	- 26.07
5497	83104	FX		16 58 55.167704	- 39 10 6.50514	+ 7.45	+ 3.41
3350	83202	RS		17 0 14.245127	- 44 59 18.77372	- 17.21	- 32.93
5500	83366	FX		17 2 18.414768	- 84 18 13.32706	- 5.54	- 5.70
3356	83367	RS		17 2 18.696199	+ 25 30 20.22725	+ 55.18	+ 98.87
5501	83416	FX		17 3 0.618881	+ 4 44 51.60872	- 18.19	- 9.36
5502	83436	FX		17 3 11.193663	+ 67 10 50.01913	- 17.33	+ 14.75
5503	83442	FX		17 3 15.636362	+ 70 50 3.28829	- 11.53	+ 10.82
5504	83480	FX		17 3 41.444185	- 0 8 45.42721	- 24.19	- 16.67
3355	83535	BX		17 4 24.721083	- 57 42 43.79895	- 3.65	- 24.31
5505	83591	FX		17 5 3.393938	- 5 3 59.44044	- 917.13	- 1139.30
3357	83635	RS		17 5 32.259341	- 0 53 31.44686	+ 4.29	- 1.32

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}

3321	91.21	0.74	0.79	91.26	0.74	0.76	.86	0.20	P	+ 6.	5.62		18		
3324	90.74	0.68	0.63	90.63	0.38	0.58	19.70	0.86	H	- 46.6	5.74		31		
5477	91.46	0.56	0.64	91.40	0.70	0.75	3.08	1.06	H		7.99	1	15	1	3
3328	91.10	0.46	0.44	91.13	0.44	0.44	34.00	0.50	H	- 12.5	6.48		11	1	3
5478	90.90	1.21	1.09	90.79	0.74	1.00	7.53	1.47	H	- 35.1	8.70		23	2	
3325	91.03	0.73	0.63	90.85	0.56	0.61	4.16	0.80	H	- 3.2	6.46		39		
3330	91.21	0.41	0.34	91.25	0.45	0.44	18.19	0.57	H	- 10.2	6.02		19	1	1
5479	91.23	0.96	0.91	90.98	0.80	0.82	2.15	1.17	H		8.23		21	2	
5480	91.65	0.91	0.75	91.18	0.88	0.73	2.50	1.49	H		9.26		11	1	3
3332	90.91	0.64	0.44	90.83	0.46	0.44	9.30	0.84	H	- 21.1	5.15	1	39		
3331	90.94	0.83	0.77	90.97	0.62	0.61	7.28	0.97	H		6.47		11	1	3
5481	91.22	0.57	0.52	90.99	0.56	0.56	15.95	0.64	H		8.00		21	2	
5482	91.42	0.77	0.52	91.24	0.59	0.51	4.32	0.93	H	+ 2.	6.72		19	1	1
3336	91.34	0.47	0.40	91.20	0.47	0.50	4.39	0.55	H	- 10.8	5.86	2	13		
3333	90.66	0.71	0.47	90.75	0.45	0.43	7.09	0.87	H	- 16.1	5.22	1	29	2	
5483	90.85	0.78	0.56	90.60	0.42	0.50	14.67	1.07	H		7.11		11	1	3
5484	91.02	1.11	0.76	90.79	0.66	0.79	2.78	0.64	P		8.65	2	11	1	3
5485	91.19	0.43	0.44	91.34	0.52	0.56	3.40	0.70	H	- 43.2	6.59		11	1	3
3338	91.24	0.51	0.40	91.23	0.50	0.47	3.21	0.56	H		7.09		11	1	3
5486	91.02	1.13	0.75	90.80	0.61	0.67	7.59	1.27	H		9.07		11	1	3
5488	91.46	0.64	0.54	91.34	0.68	0.65	5.72	0.71	H		8.82		11	1	3
3339	91.21	0.41	0.34	91.23	0.47	0.39	3.53	0.67	H	- 10.2	5.73	1	19	1	1
5489	91.41	1.00	0.84	91.24	0.74	0.67	4.19	0.97	P	- 16.5	7.87		11	1	3
5490	91.21	0.67	0.69	91.44	0.64	0.64	2.71	1.08	H		8.85		11	1	3
3337	91.24	0.50	0.54	91.19	0.48	0.51	3.44	0.74	H	- 10.	6.12		11	1	3
3340	91.20	0.51	0.48	91.23	0.43	0.40	20.95	0.79	H		6.81		31		
3345	91.44	0.51	0.48	91.26	0.49	0.59	4.08	0.53	H		6.99		21	2	
3342	90.87	0.66	0.50	90.72	0.37	0.43	13.14	0.77	H	- 17.2	5.23		39		
5492	91.31	0.63	0.65	91.07	0.74	0.77	2.68	0.77	H		8.96		11	1	3
3343	91.27	0.51	0.45	91.17	0.45	0.50	12.80	0.77	H	- 2.6	5.39		19	1	1
5493	90.97	0.75	0.87	90.82	0.61	0.69	4.66	1.11	H		7.50		31		
3351	91.40	0.42	0.37	91.31	0.46	0.51	10.27	0.47	H	- 13.	6.29		29	2	
5494	91.16	0.53	0.50	91.06	0.62	0.65	2.50	0.83	H		8.14		11	1	3
5495	91.05	0.45	0.45	91.21	0.42	0.48	5.04	0.50	H		6.64		11	1	3
3346	91.08	0.51	0.47	91.05	0.44	0.42	16.29	0.77	H	- 30.7	6.38		11	1	3
3347	91.18	0.32	0.33	91.16	0.49	0.46	6.72	0.73	H	- 21.8	6.35		31		
3349	91.35	0.46	0.39	91.40	0.56	0.58	6.00	0.58	H	+ 24.8	6.36		38		
5496	91.29	1.27	0.98	90.95	0.61	0.70	3.80	0.87	P		8.71		25	2	
3348	90.99	0.89	0.76	90.61	0.43	0.65	20.67	1.21	H	- 12.8	6.48		31		
5497	91.11	0.86	0.79	91.03	0.64	0.64	1.12	0.98	H		7.44		11	1	3
3350	90.99	0.84	0.74	90.85	0.45	0.55	19.76	1.01	H		6.50		31		
5500	91.17	0.56	0.60	91.36	0.64	0.71	1.93	0.44	P		7.97	2	23	2	
3356	91.43	0.33	0.36	91.06	0.46	0.49	8.84	0.65	H	- 50.4	5.76		21	2	
5501	90.71	0.92	0.74	90.89	0.73	0.70	1.27	1.24	H		8.81	2	13		
5502	91.56	0.70	0.65	91.28	0.71	0.75	2.02	0.73	H		8.76		11	1	3
5503	91.25	0.68	0.61	91.26	0.71	0.68	2.44	0.74	H		8.49		11	1	3
5504	90.90	0.73	0.58	90.90	0.48	0.48	10.54	0.85	H		6.70		11	1	1
3355	91.29	0.43	0.50	91.22	0.43	0.47	4.51	0.70	H	+ 2.6	5.73		19	1	1
5505	91.08	0.90	0.67	90.94	0.55	0.55	92.98	1.04	H	+ 34.2	7.70		25	2	
3357	91.13	0.74	0.58	91.03	0.48	0.50	4.26	0.96	H	+ 16.	5.63	1	39		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3321	+ 0.04	- 0.03	- 0.31	+ 0.53	+ 0.29	- 0.02	+ 0.03	+ 0.26	- 1.39	+ 0.09
3324	+ 1.00	- 1.10	- 1.39	+ 2.44	+ 0.93	- 0.17	- 0.04	- 0.05	- 3.44	+ 0.87
5477	+ 0.60	- 0.08	- 0.33	+ 2.10	+ 2.43	+ 0.29	- 0.06	- 0.25	+ 5.04	+ 0.11
3328	- 0.22	+ 0.10	+ 0.11	+ 0.28	- 0.47	- 0.21	+ 0.05	+ 0.06	- 0.22	- 0.28
5478	+ 1.07	- 0.05	+ 0.64	+ 2.92	+ 1.45	+ 2.08	- 1.47	- 3.67	+ 8.20	+ 3.39
3325	+ 1.47	- 0.47	- 1.01	+ 5.19	+ 2.54	+ 0.79	+ 0.07	+ 0.17	+ 0.83	+ 1.94
3330	- 0.01	+ 0.13	+ 0.14	+ 1.18	- 0.65	+ 0.08	- 0.12	- 0.13	- 0.79	+ 0.44
5479	- 0.73	+ 0.27	+ 1.69	-10.63	- 1.83	+ 0.09	- 0.13	- 0.91	+ 3.30	- 0.06
5480	+ 0.22	- 0.31	- 1.17	+ 3.75	+ 0.39	+ 0.31	- 0.39	- 1.35	+ 3.09	+ 0.78
3332	+ 0.32	- 0.86	- 1.08	- 0.63	+ 0.85	- 0.36	+ 0.44	+ 0.55	- 0.67	- 0.40
3331	- 0.26	+ 0.01	+ 0.00	- 0.29	- 0.48	+ 1.31	- 0.39	- 0.67	+ 3.42	+ 1.84
5481	- 0.37	+ 0.13	+ 0.16	+ 2.94	- 0.98	- 2.05	+ 0.90	+ 1.14	+ 5.68	- 4.10
5482	+ 0.18	- 0.46	- 0.80	- 2.32	+ 0.68	+ 0.09	+ 0.06	+ 0.15	+ 1.16	- 0.05
3336	- 0.59	+ 0.35	+ 0.48	- 0.11	- 1.15	- 0.16	+ 0.04	+ 0.07	- 2.23	+ 0.54
3333	+ 0.51	- 1.54	- 2.17	+ 1.06	+ 0.70	- 0.57	+ 0.55	+ 0.71	- 1.54	- 0.57
5483	+ 0.81	- 0.84	- 1.07	+ 0.88	+ 1.07	+ 0.17	+ 0.15	+ 0.24	+ 0.46	+ 0.14
5484	+ 0.02	+ 0.11	+ 0.92	+ 0.76	- 0.19	+ 0.15	- 0.24	- 1.08	+ 0.83	+ 0.45
5485	+ 0.57	- 0.10	- 0.21	+ 0.40	+ 1.39	+ 0.79	- 0.23	- 0.52	+ 4.96	+ 1.28
3338	+ 0.19	- 0.13	- 0.16	- 1.11	+ 0.70	+ 0.51	- 0.28	- 0.48	+ 2.56	+ 0.44
5486	+ 0.15	- 0.21	- 0.36	- 3.70	+ 1.19	+ 0.17	- 0.11	- 0.15	+ 0.79	+ 0.14
5488	+ 0.00	+ 0.00	+ 0.00	- 1.53	+ 0.16	+ 0.14	- 0.04	- 0.08	- 0.69	+ 0.39
3339	- 0.05	+ 0.02	+ 0.02	+ 0.10	- 0.13	+ 0.50	- 0.41	- 0.58	+ 1.06	+ 0.61
5489	+ 0.41	- 0.69	- 1.94	+ 4.17	+ 0.14	- 0.01	+ 0.16	+ 0.51	- 0.66	+ 0.01
5490	+ 0.04	- 0.09	- 0.26	- 4.28	+ 0.95	+ 0.19	- 0.15	- 0.39	+ 2.27	+ 0.20
3337	- 0.22	+ 0.11	+ 0.23	+ 0.30	- 0.76	+ 0.67	- 0.30	- 0.56	+ 1.04	+ 1.33
3340	- 0.58	+ 0.27	+ 0.31	- 1.96	- 0.11	+ 0.92	- 0.37	- 0.40	+ 3.06	+ 0.47
3345	- 1.13	+ 0.44	+ 0.74	- 6.59	- 0.17	- 0.08	- 0.01	- 0.01	+ 1.20	- 0.68
3342	- 0.39	+ 0.54	+ 0.68	- 2.28	+ 0.23	- 0.31	+ 0.15	+ 0.16	+ 0.13	- 0.49
5492	+ 0.31	- 0.19	- 0.53	- 3.77	+ 1.50	+ 0.44	- 0.29	- 0.95	- 2.44	+ 2.07
3343	+ 0.14	- 0.21	- 0.27	- 0.24	+ 0.35	+ 1.15	- 0.40	- 0.52	+ 3.97	+ 0.69
5493	+ 1.14	- 0.49	- 1.44	+ 8.82	+ 1.65	+ 0.03	- 0.06	- 0.17	- 2.51	+ 0.65
3351	- 0.36	+ 0.11	+ 0.13	+ 2.63	- 1.82	+ 0.18	- 0.02	- 0.03	- 1.03	+ 0.74
5494	- 0.29	+ 0.07	+ 0.15	- 4.23	- 0.10	- 0.48	+ 0.25	+ 0.70	- 0.84	- 1.40
5495	+ 0.13	- 0.01	- 0.02	+ 1.02	+ 0.10	- 0.25	+ 0.04	+ 0.07	- 2.68	- 0.12
3346	+ 0.81	- 0.87	- 1.01	+ 1.76	+ 0.67	- 0.22	+ 0.03	+ 0.02	+ 0.63	- 0.45
3347	- 0.62	+ 0.28	+ 0.34	+ 0.51	- 1.19	+ 0.62	- 0.57	- 0.74	+ 0.21	+ 0.99
3349	+ 1.02	- 0.42	- 0.54	+ 2.08	+ 0.95	- 0.69	+ 0.16	+ 0.30	- 5.90	+ 0.66
5496	- 0.86	+ 0.93	+ 3.31	- 3.67	- 3.07	+ 1.09	- 0.55	- 1.56	+ 8.81	+ 0.92
3348	+ 0.56	- 0.95	- 1.36	- 2.56	+ 2.23	- 0.77	+ 0.65	+ 0.93	- 5.13	+ 0.04
5497	- 0.01	+ 0.00	- 0.02	- 2.68	+ 0.71	- 0.11	+ 0.03	+ 0.16	- 1.42	- 0.61
3350	- 2.46	+ 0.68	+ 1.03	- 1.82	- 4.60	+ 0.94	- 0.08	- 0.12	- 1.94	+ 2.89
5500	- 1.36	+ 0.15	+ 0.89	-18.30	- 6.42	- 0.07	+ 0.01	+ 0.09	- 3.15	- 0.10
3356	+ 0.01	+ 0.01	+ 0.01	+ 0.43	- 0.22	- 0.53	+ 0.29	+ 0.38	- 2.46	+ 0.46
5501	+ 0.00	+ 0.02	+ 0.10	+ 0.68	- 0.15	- 0.03	+ 0.02	+ 0.11	- 1.86	+ 0.18
5502	+ 0.08	- 0.03	- 0.11	+ 0.57	+ 0.20	- 0.02	+ 0.01	+ 0.01	- 2.97	+ 0.43
5503	- 0.06	+ 0.02	+ 0.05	+ 1.47	- 0.41	+ 0.62	- 0.27	- 0.84	- 3.64	+ 2.85
5504	+ 0.56	- 0.73	- 0.98	+ 0.15	+ 0.88	+ 0.08	+ 0.03	+ 0.05	+ 3.78	- 0.53
3355	- 0.22	+ 0.06	+ 0.11	- 2.23	+ 0.28	+ 0.12	- 0.03	- 0.07	+ 4.19	- 0.98
5505	- 0.38	+ 0.27	+ 0.32	- 4.49	+ 0.51	- 1.98	+ 1.29	+ 1.46	- 2.27	- 2.30
3357	+ 0.09	- 0.01	+ 0.05	- 3.65	+ 1.34	+ 1.04	- 0.33	- 0.59	+ 4.09	+ 1.25

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
3321	0.87	0.82	1.05	2.46	1.49	0.84	0.79	1.00	2.62	1.42	0.65	0.33	1.95	0.50	1.42	t
3324	0.89	0.87	0.92	1.83	1.00	1.04	0.66	0.68	2.31	1.28	2.36	1.81	2.94	1.79	2.13	t
5477	1.07	0.65	0.68	4.01	2.03	1.10	0.77	0.83	3.84	2.01	1.47	1.30	0.20	1.14	0.61	t
3328	0.94	0.50	0.51	1.87	1.00	1.13	0.47	0.48	2.62	1.30	0.14	0.57	0.82	0.35	1.24	
5478	1.26	1.36	1.79	2.71	1.75	1.23	1.21	1.53	2.82	1.73	3.92	3.29	3.36	1.52	3.10	t
3325	0.96	0.69	0.76	2.43	1.43	1.02	0.65	0.70	2.71	1.66	2.46	2.50	2.89	1.00	1.37	t
3330	0.59	0.44	0.45	1.03	0.62	0.68	0.57	0.59	1.32	0.77	1.02	1.16	0.53	1.72	0.38	t
5479	1.12	0.94	1.08	3.36	2.17	1.08	0.85	0.95	3.42	2.21	1.47	3.65		2.35	0.23	
5480	0.90	0.84	1.03	2.97	1.25	0.85	0.83	1.04	3.01	1.13	1.56	2.05		1.27	0.99	
3332	0.55	0.73	0.78	1.09	0.63	0.63	0.59	0.62	1.42	0.72	0.85	2.11	2.66	1.19	0.44	t
3331	1.06	0.89	0.99	2.30	1.47	1.05	0.67	0.71	2.42	1.48	1.63	1.57	0.66	0.56	0.34	
5481	0.92	0.60	0.62	2.77	1.04	0.96	0.65	0.67	2.74	1.11	4.17	1.89		3.57	1.68	
5482	0.59	0.81	0.99	1.81	0.66	0.68	0.65	0.73	2.12	0.80	0.84	1.25	0.36	1.64	1.25	t
3336	0.62	0.47	0.50	1.26	0.78	0.91	0.53	0.55	2.12	1.39	1.14	1.79	0.22	1.30	1.58	t
3333	0.55	0.82	0.92	1.23	0.62	0.61	0.57	0.60	1.52	0.69	2.51	2.93	4.13	0.64	0.29	t
5483	0.77	0.79	0.84	2.14	0.85	0.68	0.73	0.78	2.32	0.72	0.86	1.82	1.79	0.16	0.77	
5484	0.79	1.07	1.86	2.15	0.93	0.89	0.97	1.45	2.32	1.17	0.85	0.70		0.43	0.24	
5485	0.87	0.46	0.48	3.15	1.28	0.90	0.60	0.64	3.12	1.29	1.73	1.71	1.04	1.13	1.31	
3338	0.54	0.50	0.54	1.24	0.67	0.66	0.55	0.60	1.72	0.85	1.79	1.39	0.54	1.69	0.35	
5486	0.87	1.06	1.27	2.18	1.04	0.84	0.89	1.02	2.22	1.01	1.03	1.35		2.04	0.52	
5488	0.93	0.59	0.62	3.70	1.16	1.06	0.70	0.75	4.03	1.43	0.32	0.43		0.50	0.89	
3339	0.47	0.43	0.46	0.96	0.58	0.54	0.49	0.53	1.22	0.66	1.24	1.42	1.25	0.38	0.89	t
5489	0.93	1.06	1.38	2.16	1.23	0.89	0.77	0.89	2.32	1.21	1.14	2.41		1.64	0.25	
5490	0.84	0.79	0.95	2.67	1.12	0.80	0.73	0.86	2.72	1.05	0.89	1.72		1.94	0.84	
3337	0.82	0.58	0.63	1.97	1.20	0.77	0.57	0.61	1.93	1.05	0.79	1.70	0.72	0.48	0.57	
3340	0.69	0.71	0.74	1.31	0.76	0.67	0.52	0.54	1.51	0.72	2.73	1.14	1.03	1.97	0.75	
3345	0.77	0.54	0.57	1.77	1.05	1.08	0.60	0.63	3.22	1.88	3.97	0.83	1.06	3.16	1.11	
3342	0.63	0.81	0.87	1.24	0.72	0.65	0.55	0.57	1.52	0.73	1.96	0.85	3.13	1.79	0.65	t
5492	0.85	0.71	0.81	3.15	1.16	0.95	0.84	0.98	3.54	1.35	2.28	1.07		1.97	0.56	
3343	0.81	0.53	0.55	1.71	0.91	0.96	0.57	0.59	2.11	1.17	2.05	1.05	0.62	1.39	1.08	t
5493	1.17	0.94	1.05	3.31	1.81	1.04	0.74	0.80	3.33	1.51	3.03	1.54	2.44	2.08	0.95	
3351	0.81	0.40	0.41	1.59	1.00	1.11	0.54	0.56	2.53	1.51	1.58	1.87	3.47	2.45	2.25	t
5494	0.79	0.53	0.57	2.86	1.16	0.84	0.71	0.81	3.02	1.17	1.49	1.58		1.35	0.31	
5495	0.93	0.47	0.49	3.11	1.26	1.00	0.50	0.52	3.48	1.42	0.85	0.16	1.08	0.73	1.05	
3346	0.67	0.66	0.69	1.34	0.74	0.68	0.53	0.54	1.62	0.75	1.87	1.77	1.42	0.94	1.32	t
3347	0.60	0.38	0.39	1.27	0.70	0.64	0.59	0.62	1.51	0.75	0.60	2.59	1.37	1.26	0.52	t
3349	0.68	0.45	0.47	1.26	0.87	0.96	0.64	0.68	2.22	1.34	3.32	1.51	2.66	2.63	2.44	t
5496	1.14	1.11	1.36	2.67	1.71	0.99	0.75	0.83	2.63	1.53	3.17	4.36		2.60	1.86	t
3348	1.06	1.01	1.10	2.19	1.29	1.12	0.79	0.84	2.61	1.37	2.31	2.13	2.21	2.58	1.59	t
5497	0.93	0.81	0.91	3.40	1.87	0.83	0.64	0.70	3.33	1.76	0.53	0.89		0.90	1.76	
3350	1.41	0.80	0.83	3.41	1.85	1.54	0.56	0.57	3.71	2.23	0.95	3.08	2.15	1.33	1.79	t
5500	0.95	0.60	0.63	5.06	2.04	1.03	0.71	0.75	5.67	2.34	3.41	3.81		2.23	1.42	t
3356	0.77	0.40	0.41	1.38	0.94	0.76	0.59	0.62	1.32	1.01	1.98	0.23	3.63	1.80	0.68	
5501	0.76	0.91	1.55	2.29	0.91	0.79	0.76	0.94	2.62	1.15	0.14	0.73		0.79	0.73	t
5502	0.83	0.70	0.80	3.20	1.22	0.92	0.80	0.94	3.35	1.38	0.32	0.88		0.94	0.65	
5503	0.83	0.65	0.72	3.22	1.20	0.90	0.72	0.81	3.44	1.34	2.38	0.90		1.84	1.37	
5504	0.75	0.81	0.88	2.01	0.85	0.78	0.58	0.60	2.23	0.89	1.70	1.60	1.43	1.83	0.54	t
3355	0.91	0.53	0.56	2.20	1.33	0.92	0.50	0.52	2.42	1.33	1.99	0.64	1.75	2.11	1.60	t
5505	0.84	1.10	1.18	2.00	0.90	0.87	0.69	0.71	2.23	0.94	2.65	3.19	4.04	2.28	1.57	t
3357	0.73	0.74	0.84	1.68	0.92	0.83	0.55	0.59	2.21	1.12	2.80	1.86	2.83	2.85	0.30	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3358	83684	BX		17 6 11.799477	- 21 33 52.50397	- 11.47	- 75.12
5506	83686	FX		17 6 11.924059	- 60 25 14.82676	+ 1.38	- 6.08
5507	83688	FX		17 6 13.048849	+ 10 27 13.95600	+ 36.91	+ 5.88
5509	83807	FX		17 7 39.428807	- 44 41 59.84383	- 9.09	- 25.03
5510	83828	FX		17 7 56.202018	- 24 59 53.29734	- 0.15	- 3.05
3361	83849	RS		17 8 8.290145	- 48 53 1.58524	- 14.72	- 26.78
5511	83862	FX		17 8 21.315770	+ 28 14 1.43316	- 5.04	- 132.52
5512	83876	FX		17 8 33.548632	+ 24 29 11.35004	+ 9.06	- 49.80
3363	83896	RS		17 8 47.537509	- 30 24 13.42802	- 12.04	- 66.36
5513	83950	FX		17 9 35.678114	+ 38 17 36.56024	- 7.65	+ 34.53
5514	83977	FX		17 10 0.049857	- 8 31 27.99021	- 16.58	- 75.17
3362	83984	BX		17 10 6.276300	- 61 40 31.64601	- 2.20	- 6.66
3367	84021	RS		17 10 30.631707	+ 52 24 31.57018	- 14.35	- 8.75
5515	84048	FX		17 10 57.209123	+ 14 55 14.60204	- 3.80	+ 23.52
5516	84072	FX		17 11 17.654686	+ 51 45 15.67385	+ 12.29	+ 4.21
5517	84129	FX		17 11 54.682181	+ 57 58 3.39665	- 32.25	+ 56.28
5518	84148	FX		17 12 14.632747	- 53 22 34.00749	- 4.99	- 10.16
3366	84150	BX		17 12 16.205002	- 39 30 25.01926	- 13.85	- 71.97
3370	84183	BX		17 12 32.580356	+ 62 52 27.61532	+ 16.40	+ 48.13
5520	84258	FX		17 13 26.939427	- 47 15 9.43207	+ 6.44	- 11.80
5521	84275	FX		17 13 39.231664	+ 21 25 52.72360	+ 1.90	+ 1.17
5522	84349	FX		17 14 42.138661	- 63 51 55.15661	- 24.24	+ 33.26
3364	84399	RS		17 15 18.348662	- 78 23 56.24275	+ 25.66	- 0.68
5523	84480	FX		17 16 15.511782	+ 44 45 36.67818	- 13.54	+ 21.56
5524	84498	FX		17 16 31.116911	+ 18 1 10.82899	- 2.85	- 12.85
3368	84510	RS		17 16 35.646839	- 74 31 58.83117	- 23.89	- 52.66
3371	84524	RS	ζ Aps	17 16 42.748271	- 6 14 41.91487	- 7.98	- 7.98
5526	84588	FX		17 17 27.595682	- 27 46 0.80897	- 2.74	- 0.53
3373	84656	BX		17 18 23.270382	+ 38 48 41.01651	- 13.01	+ 73.65
3372	84671	BX		17 18 36.990671	+ 10 51 52.11054	+ 8.57	- 97.78
3375	84691	BX		17 18 48.527293	+ 28 49 22.67838	+ 48.18	- 7.21
5527	84706	FX		17 18 54.790004	- 22 42 28.23117	- 1.81	- 16.54
3380	84711	BX		17 18 57.496717	+ 70 47 16.24298	- 7.84	+ 20.01
5528	84712	FX		17 18 57.922923	- 15 13 12.96140	+ 20.81	- 88.53
3384	84769	BX		17 19 37.111782	+ 80 8 11.04268	+ 18.99	+ 0.72
3377	84835	BX	74 Her	17 20 21.121513	+ 46 14 26.80664	- 30.15	+ 40.79
3381	84950	RS		17 21 45.368261	+ 53 25 13.54287	+ 18.33	+ 2.66
3374	84969	BX	ζ Aps	17 21 59.477311	- 67 46 14.40924	- 37.27	- 8.08
5531	85015	FX		17 22 33.967847	- 35 22 55.51674	+ 8.54	- 70.76
5532	85091	FX		17 23 27.629129	+ 42 58 34.71450	- 10.35	+ 13.57
3378	85147	BX		17 24 1.076883	- 62 51 50.95059	+ 0.51	- 8.76
3383	85157	BX	73 Her	17 24 6.586755	+ 22 57 37.02943	- 44.25	- 36.47
5533	85179	FX		17 24 26.053547	+ 50 25 30.48022	- 17.77	- 60.63
3382	85195	BX		17 24 37.039459	- 18 26 44.73789	+ 14.65	- 7.40
5534	85252	FX		17 25 14.900629	+ 19 55 14.78615	+ 1.06	+ 5.92
3390	85317	BX		17 26 4.836751	+ 58 39 6.82832	- 9.02	+ 14.34
5535	85352	FX		17 26 29.483196	- 37 6 44.01082	+ 1.61	- 13.17
5536	85471	FX		17 27 58.037111	- 14 16 10.12813	- 1.08	- 4.39
5537	85507	FX		17 28 27.574536	- 29 3 30.93968	- 1.06	- 5.53
5539	85527	FX		17 28 42.702356	- 5 38 20.82773	+ 3.36	- 3.68

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3358	91.53	0.80	0.51	90.83	0.38	0.41	10.17	0.91	H	- 44.1	6.29		21	2	
5506	91.33	0.63	0.64	91.23	0.55	0.53	8.70	0.96	H		7.43		11	1	3
5507	90.78	0.62	0.55	91.10	0.47	0.47	8.56	0.86	H	- 23.9	6.38		31		
5509	90.90	1.11	1.16	90.65	0.70	0.86	5.40	0.75	P		8.73	2	31		
5510	91.19	0.90	0.70	90.71	0.41	0.52	1.67	0.38	P		7.15		31		
3361	91.16	0.87	1.01	90.91	0.60	0.66	4.50	1.00	H		6.93		11	1	3
5511	91.31	0.43	0.45	91.24	0.55	0.57	13.99	0.71	H	+ 3.7	7.07		31		
5512	91.26	0.29	0.32	91.10	0.49	0.51	8.90	0.69	H	+ 21.	6.84		18		
3363	91.14	0.67	0.63	90.73	0.34	0.42	12.21	0.73	H	- 30.	5.93		11	1	3
5513	91.15	0.50	0.47	91.21	0.50	0.51	11.71	0.61	H		7.37		11	1	3
5514	90.79	0.99	0.95	90.75	0.58	0.70	12.46	1.15	H	- 33.	8.89		21	2	
3362	91.43	0.48	0.46	91.36	0.47	0.43	2.16	0.50	P	+ 4.1	6.37		11	1	3
3367	91.08	0.46	0.47	91.12	0.51	0.55	7.69	0.52	H	- 34.	6.30		19	1	1
5515	91.16	0.65	0.59	91.02	0.60	0.55	10.24	1.05	H		8.40		11	1	3
5516	91.32	0.50	0.46	91.24	0.55	0.54	5.93	0.56	H	- 16.1	7.13		31		
5517	91.09	0.54	0.50	91.22	0.53	0.55	14.65	0.57	H		7.14		11	1	3
5518	91.26	0.91	0.86	91.26	0.70	0.64	2.75	0.63	P		7.30	2	13		
3366	90.99	0.65	0.63	90.66	0.41	0.49	15.46	0.72	H	+ 12.	5.66		19	1	1
3370	91.32	0.45	0.35	91.28	0.45	0.46	24.01	0.47	H	- 5.	5.54		19	1	1
5520	91.15	0.98	0.99	91.05	0.65	0.69	2.94	0.68	P		8.03	1	11	1	3
5521	91.01	0.46	0.49	91.09	0.52	0.54	5.63	0.77	H		6.82		31		
5522	91.22	0.62	0.60	91.18	0.57	0.57	5.32	0.99	H		7.86		31		
3364	91.15	0.52	0.53	91.35	0.61	0.70	7.49	0.75	H		7.51		11	1	3
5523	91.07	0.71	0.68	91.23	0.68	0.69	7.37	0.79	H		8.56		11	1	1
5524	91.40	0.60	0.63	91.26	0.59	0.66	2.72	0.84	H	+ 2.	7.11		11	1	3
3368	91.30	0.36	0.38	91.41	0.45	0.54	10.06	0.57	H	- 3.1	6.24		31		
3371	90.83	0.68	0.74	90.69	0.41	0.59	8.01	0.83	H	- 21.0	6.08		11	1	3
5526	91.23	0.99	0.83	90.89	0.53	0.55	.41	0.10	P	- 45.3	7.89		11	1	3
3373	91.26	0.42	0.40	91.46	0.49	0.53	10.20	0.56	H	- 37.7	5.97		39		
3372	90.80	0.61	0.41	90.97	0.49	0.40	4.72	0.80	H	+ 39.3	5.03		31		
3375	91.27	0.43	0.43	91.16	0.48	0.50	10.24	0.65	H	- 13.6	5.68		31		
5527	91.13	1.32	0.79	90.66	0.68	0.67	5.88	1.45	H		9.13		11	1	3
3380	91.28	0.49	0.43	91.05	0.48	0.51	6.88	0.53	H		7.13		31		
5528	91.03	0.96	0.91	90.77	0.53	0.62	12.01	1.07	H		7.81		11	1	3
3384	91.32	0.46	0.36	91.13	0.42	0.42	3.29	0.47	H	- 6.8	5.74		11	1	3
3377	91.36	0.47	0.42	91.40	0.46	0.53	5.66	0.53	H	- 56.9	5.51	1	39		
3381	91.14	0.46	0.44	91.30	0.50	0.51	5.52	0.51	H	- 8.1	5.69		19	1	1
3374	91.08	0.37	0.44	91.18	0.47	0.49	10.46	0.66	H	+ 12.6	4.76		11	1	3
5531	91.01	0.89	0.88	90.94	0.53	0.57	5.50	0.76	P		8.01		11	1	3
5532	91.33	0.76	0.71	91.44	0.78	0.79	1.04	0.92	H		8.82		11	1	3
3378	91.39	0.46	0.45	91.31	0.44	0.43	2.30	0.32	P	+ 4.	5.69		19	1	1
3383	91.31	0.39	0.48	91.23	0.51	0.62	23.37	0.75	H	- 19.7	5.70		11	1	3
5533	91.09	0.52	0.42	91.21	0.62	0.53	11.44	0.61	H	- 1.1	7.62		15	1	3
3382	91.00	0.81	0.72	90.60	0.44	0.56	4.69	0.96	H	- 24.	6.34		18		
5534	91.12	0.81	0.80	91.09	0.87	0.80	3.66	1.32	H	- 41.1	8.59	2	35		
3390	91.13	0.53	0.43	91.13	0.52	0.49	9.15	0.56	H	- 30.	6.49		31		
5535	91.03	0.78	0.82	91.08	0.45	0.45	2.30	0.88	H		7.56		31		
5536	91.08	1.06	1.07	90.73	0.55	0.64	2.02	0.47	P		8.82		21	2	
5537	91.11	0.95	0.75	91.10	0.51	0.46	.98	1.07	H		7.34	2	25	2	
5539	91.02	1.27	0.98	90.82	0.57	0.60	6.48	1.45	H		8.56		33		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3358	- 1.11	+ 2.92	+ 3.90	- 1.82	- 1.40	- 1.13	+ 0.56	+ 0.61	- 2.80	- 1.04
5506	+ 0.13	- 0.09	- 0.14	+ 0.39	+ 0.19	- 0.72	+ 0.21	+ 0.31	- 0.61	- 1.15
5507	- 0.63	+ 0.29	+ 0.44	- 1.30	- 0.95	- 1.84	+ 0.33	+ 0.52	- 9.54	- 2.12
5509	- 0.79	+ 0.80	+ 2.76	- 6.10	- 1.00	+ 0.72	- 0.37	- 1.03	+ 4.94	+ 0.63
5510	- 0.03	- 0.06	- 0.46	- 0.47	+ 0.10	+ 0.82	- 0.27	- 0.87	- 1.28	+ 3.44
3361	- 0.29	+ 0.17	+ 0.55	- 2.59	- 0.45	+ 0.61	- 0.11	- 0.29	- 2.52	+ 2.80
5511	- 0.03	+ 0.03	+ 0.04	+ 0.49	- 0.10	+ 0.93	- 0.40	- 0.53	+ 0.19	+ 1.35
5512	+ 0.63	- 0.09	- 0.11	+ 1.59	+ 0.69	- 0.90	+ 0.39	+ 0.53	- 1.41	- 1.20
3363	- 0.47	+ 0.09	+ 0.15	- 5.19	+ 0.04	+ 0.11	- 0.02	- 0.03	+ 4.79	- 1.41
5513	+ 0.62	- 0.25	- 0.31	- 2.20	+ 1.19	+ 0.18	- 0.07	- 0.09	- 0.74	+ 0.41
5514	+ 0.46	- 0.32	- 0.53	- 1.30	+ 1.33	- 2.29	+ 0.83	+ 1.26	- 0.41	- 4.37
3362	+ 0.98	- 0.20	- 0.55	+ 3.55	+ 2.37	- 0.56	+ 0.11	+ 0.31	- 1.47	- 1.60
3367	+ 0.69	- 0.18	- 0.25	- 0.35	+ 1.42	- 0.23	- 0.01	+ 0.00	- 3.79	+ 0.91
5515	+ 0.58	- 0.24	- 0.34	+ 4.23	+ 0.24	- 0.68	+ 0.28	+ 0.38	+ 2.27	- 1.43
5516	+ 0.73	- 0.25	- 0.40	+ 0.38	+ 1.24	+ 1.25	- 0.49	- 0.80	+ 2.45	+ 2.02
5517	- 0.73	+ 0.48	+ 0.58	- 1.55	- 0.80	- 0.18	+ 0.12	+ 0.15	+ 0.07	- 0.28
5518	- 0.30	+ 0.21	+ 0.78	- 0.99	- 1.18	+ 0.32	- 0.09	- 0.30	- 2.20	+ 1.90
3366	- 0.24	+ 0.03	+ 0.04	- 0.26	- 0.34	- 0.62	+ 0.15	+ 0.19	- 0.71	- 0.84
3370	+ 0.42	- 0.46	- 0.49	- 1.49	+ 1.29	+ 0.05	- 0.09	- 0.10	- 0.94	+ 0.40
5520	- 0.14	+ 0.13	+ 0.57	+ 1.10	- 0.96	- 0.27	+ 0.08	+ 0.28	- 2.68	- 0.61
5521	- 0.40	+ 0.41	+ 0.58	+ 3.86	- 0.95	+ 1.03	- 0.79	- 1.20	- 5.20	+ 2.18
5522	- 1.65	+ 0.38	+ 0.79	- 4.86	- 3.21	- 0.34	+ 0.06	+ 0.14	- 1.83	- 0.67
3364	+ 0.27	+ 0.00	- 0.01	+ 0.26	+ 0.95	+ 1.40	- 0.19	- 0.48	+ 1.33	+ 4.36
5523	- 0.46	+ 0.45	+ 0.78	- 0.04	- 0.92	- 0.32	+ 0.38	+ 0.67	- 0.93	- 0.53
5524	- 0.36	+ 0.10	+ 0.19	- 0.73	- 0.81	+ 0.46	- 0.11	- 0.30	+ 1.02	+ 1.14
3368	+ 0.02	+ 0.00	+ 0.00	+ 3.19	- 0.83	- 1.58	+ 0.12	+ 0.26	- 5.32	- 3.16
3371	+ 0.69	- 0.49	- 0.88	+ 2.25	+ 1.03	- 0.50	+ 0.21	+ 0.40	+ 1.22	- 1.80
5526	- 0.02	+ 0.02	+ 0.26	- 0.83	- 0.33	- 0.02	+ 0.00	- 0.03	- 0.66	- 0.08
3373	- 1.40	+ 0.51	+ 0.62	- 2.47	- 1.50	- 0.96	+ 0.33	+ 0.46	+ 1.78	- 2.67
3372	+ 0.19	- 0.36	- 0.49	- 0.80	+ 0.59	- 0.21	+ 0.12	+ 0.13	+ 2.34	- 0.97
3375	+ 0.49	- 0.17	- 0.20	+ 0.88	+ 0.51	- 1.20	+ 0.44	+ 0.58	+ 0.78	- 2.53
5527	+ 0.00	+ 0.02	+ 0.05	+ 2.32	- 0.49	+ 0.00	+ 0.00	+ 0.00	+ 0.33	- 0.07
3380	- 1.26	+ 0.47	+ 0.62	- 3.36	- 1.11	+ 0.56	+ 0.00	- 0.03	+ 5.70	- 0.51
5528	- 1.18	+ 0.44	+ 0.88	- 6.49	- 0.89	+ 0.18	- 0.14	- 0.27	- 4.41	+ 1.59
3384	+ 0.45	- 0.33	- 0.50	- 0.39	+ 1.03	+ 0.79	- 0.33	- 0.56	+ 3.28	+ 0.95
3377	- 0.29	+ 0.24	+ 0.32	- 0.62	- 0.33	- 0.09	+ 0.08	+ 0.13	- 0.15	- 0.16
3381	- 0.54	+ 0.15	+ 0.21	+ 1.71	- 1.64	+ 0.26	- 0.03	- 0.06	+ 0.12	+ 0.57
3374	- 0.74	+ 0.12	+ 0.17	- 1.81	- 0.68	- 0.81	+ 0.22	+ 0.30	+ 3.31	- 2.61
5531	- 0.71	+ 0.18	+ 0.57	- 6.80	- 0.08	- 0.03	+ 0.00	- 0.01	- 0.24	+ 0.00
5532	+ 0.01	- 0.01	- 0.02	- 1.89	+ 0.32	- 0.12	+ 0.07	+ 0.50	- 0.21	- 0.91
3378	- 0.24	+ 0.06	+ 0.15	+ 1.16	- 1.40	+ 0.44	- 0.07	- 0.19	+ 2.61	+ 0.76
3383	- 1.07	+ 0.63	+ 0.72	- 1.65	- 1.12	+ 0.45	- 0.23	- 0.30	+ 4.05	- 0.72
5533	- 0.46	+ 0.31	+ 0.37	- 1.73	- 0.45	- 0.37	+ 0.30	+ 0.38	- 1.65	- 0.37
3382	+ 0.15	- 0.01	+ 0.07	+ 1.28	- 0.26	+ 0.64	- 0.33	- 0.58	+ 2.55	+ 0.56
5534	+ 0.78	- 0.60	- 1.62	+ 1.82	+ 2.18	+ 0.53	- 0.72	- 1.90	+ 1.01	+ 1.52
3390	- 0.10	+ 0.19	+ 0.21	+ 2.52	- 0.97	+ 0.65	- 0.47	- 0.60	- 0.27	+ 1.15
5535	+ 0.45	- 0.25	- 1.10	+ 3.18	+ 1.71	- 1.26	+ 0.14	+ 0.55	- 6.08	- 4.24
5536	- 0.31	+ 0.22	+ 1.47	- 9.93	+ 0.83	+ 0.51	- 0.09	- 0.47	+ 7.57	+ 0.64
5537	+ 0.51	- 0.44	- 2.93	+ 4.36	+ 3.12	- 0.04	+ 0.09	+ 0.66	- 2.87	+ 0.14
5539	+ 0.19	- 0.13	- 0.35	+ 4.04	- 1.03	- 0.12	+ 0.03	+ 0.06	- 5.72	+ 1.86

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
3358	0.60	0.89	0.99	1.30	0.67	0.63	0.51	0.53	1.61	0.70	4.08	4.95	5.25	1.04	2.74	t
5506	1.05	0.71	0.75	3.01	1.33	0.98	0.58	0.60	2.94	1.22	0.35	1.09	0.45	0.18	0.66	
5507	0.97	0.61	0.64	3.58	1.17	1.05	0.50	0.51	3.91	1.33	2.59	2.09	0.77	1.80	1.38	
5509	1.33	1.30	1.61	2.81	2.06	1.18	0.93	1.03	2.83	1.86	3.35	1.61	1.83	1.94	1.79	
5510	0.73	0.88	1.35	1.95	0.90	0.73	0.55	0.61	2.32	1.15	0.17	3.31	1.80	1.84	1.50	
3361	1.23	1.11	1.30	3.38	1.84	1.12	0.68	0.72	3.61	1.85	1.05	1.63	0.24	1.42	1.33	
5511	0.89	0.51	0.52	3.32	0.98	0.97	0.66	0.68	3.62	1.10	0.24	1.46	2.82	0.35	1.12	
5512	0.83	0.34	0.34	2.50	0.97	0.85	0.59	0.61	2.52	1.00	1.01	1.67	2.42	0.34	0.98	t
3363	1.30	0.67	0.69	4.02	1.68	1.48	0.43	0.43	4.01	2.37	1.77	0.58	1.62	1.79	0.72	t
5513	0.84	0.53	0.55	2.63	0.94	0.94	0.57	0.59	2.73	1.11	1.43	0.74		1.27	1.38	
5514	1.17	1.22	1.39	2.86	1.48	1.16	0.78	0.82	3.02	1.50	0.58	3.47	2.20	1.43	1.38	t
3362	0.78	0.47	0.50	2.17	1.33	0.78	0.44	0.46	2.32	1.32	1.98	2.45	1.84	0.47	0.91	
3367	0.95	0.50	0.52	2.41	1.17	1.15	0.57	0.59	2.81	1.70	1.32	1.38	1.22	1.58	1.62	t
5515	0.94	0.68	0.71	2.78	1.12	0.92	0.63	0.66	2.82	1.08	1.51	1.72		1.81	1.83	
5516	0.86	0.50	0.52	3.01	1.06	0.90	0.60	0.63	3.43	1.10	0.97	2.59	1.69	0.29	0.95	
5517	0.77	0.62	0.64	2.38	0.84	0.92	0.65	0.67	2.84	1.04	0.86	1.35	1.11	0.32	0.81	
5518	1.03	0.94	1.11	3.00	1.54	0.97	0.67	0.72	3.24	1.63	0.80	1.59	0.56	1.13	1.19	t
3366	1.05	0.74	0.78	2.10	1.32	0.98	0.55	0.57	2.02	1.25	0.45	0.81	1.01	0.06	0.81	t
3370	0.61	0.45	0.46	1.15	0.61	0.78	0.56	0.57	1.63	0.87	0.94	2.37	0.26	2.25	1.36	t
5520	1.12	1.08	1.34	3.70	1.59	1.01	0.72	0.78	3.73	1.68	0.79	0.87	0.71	0.72	0.21	
5521	0.67	0.63	0.68	2.69	0.75	0.75	0.66	0.71	3.02	0.87	1.75	3.36	0.30	2.92	1.60	
5522	1.05	0.63	0.66	3.61	1.49	1.15	0.59	0.61	4.23	1.79	2.49	1.61		0.49	0.74	
3364	1.43	0.53	0.54	4.71	2.68	1.39	0.71	0.74	4.42	2.32	0.41	2.02	0.58	0.62	0.32	
5523	0.91	0.83	0.92	2.81	1.10	0.93	0.85	0.94	2.83	1.12	1.37	0.60		0.32	0.41	t
5524	0.82	0.72	0.86	3.17	1.09	0.88	0.73	0.86	3.32	1.23	0.49	1.34	1.35	0.04	0.92	
3368	1.52	0.39	0.39	4.94	2.57	1.48	0.55	0.56	4.81	2.33	1.32	1.47	2.74	0.83	1.45	
3371	1.06	0.87	0.95	2.70	1.37	1.21	0.63	0.66	3.21	1.79	1.13	1.57	0.16	0.92	0.53	
5526	0.86	0.84	1.07	2.95	1.49	0.64	0.55	0.62	3.12	1.49	0.33	0.40		0.23	0.11	t
3373	0.79	0.46	0.47	1.67	0.89	1.00	0.59	0.61	2.11	1.28	1.88	3.05	1.66	1.87	2.78	t
3372	0.49	0.67	0.77	1.08	0.56	0.53	0.58	0.65	1.22	0.61	1.66	1.97	0.95	2.68	0.16	
3375	0.80	0.49	0.50	1.61	0.95	0.90	0.56	0.58	1.91	1.13	0.65	2.55	0.56	1.51	0.34	t
5527	0.83	1.27	1.84	2.13	0.96	0.81	0.88	1.03	2.22	0.98	0.28	0.83		1.21	0.52	
3380	0.77	0.49	0.51	1.65	0.96	1.11	0.53	0.55	2.92	1.62	3.02	1.62	1.42	2.20	0.93	
5528	1.43	0.99	1.07	3.49	2.10	1.27	0.66	0.69	3.42	1.73	1.22	2.36		2.08	0.94	
3384	0.55	0.43	0.46	1.21	0.69	0.72	0.46	0.49	1.95	0.97	1.91	2.24	1.09	1.48	0.47	
3377	0.63	0.54	0.57	1.40	0.71	0.81	0.62	0.66	1.82	1.07	0.64	0.74	2.84	0.18	1.01	t
3381	0.85	0.47	0.49	2.09	1.10	0.94	0.54	0.57	2.12	1.33	0.70	1.61	1.54	1.43	0.84	t
3374	1.01	0.47	0.48	2.09	1.37	0.98	0.53	0.55	2.22	1.25	1.61	2.22	1.86	2.37	0.40	t
5531	1.32	0.92	0.99	3.45	2.38	1.27	0.57	0.59	3.72	2.52	0.25	2.05		1.60	1.41	
5532	0.80	0.75	0.91	3.33	1.21	0.87	0.82	1.00	3.52	1.37	0.58	0.87	1.19	0.65	2.29	
3378	0.80	0.47	0.49	2.15	1.37	0.81	0.44	0.46	2.42	1.41	1.23	1.24	0.89	1.20	0.70	t
3383	0.84	0.59	0.60	1.69	0.90	1.02	0.74	0.77	2.11	1.21	2.34	1.73	1.11	1.98	0.48	
5533	0.66	0.52	0.54	2.53	0.69	0.78	0.67	0.70	2.83	0.85	1.07	1.15	1.42	0.65	0.24	t
3382	0.81	1.01	1.30	1.60	1.06	0.82	0.66	0.75	1.81	1.12	1.77	0.85	0.68	1.23	0.02	t
5534	0.97	0.92	1.08	2.85	1.33	0.90	0.98	1.22	2.92	1.13	1.46	3.05	2.03	0.20	1.35	t
3390	0.55	0.68	0.72	1.16	0.61	0.72	0.63	0.66	1.63	0.84	1.70	2.15	0.30	2.76	0.32	t
5535	1.02	0.87	0.99	3.03	1.72	0.89	0.46	0.48	3.33	1.71	2.38	3.01	2.90	0.65	0.77	
5536	1.19	1.13	1.39	3.23	1.98	0.95	0.66	0.70	3.22	1.92	0.60	4.05		3.39	0.51	
5537	0.81	0.79	1.02	2.40	1.25	0.66	0.47	0.52	2.52	1.25	3.74	3.08		1.16	1.18	t
5539	1.21	1.12	1.30	2.73	1.76	1.11	0.63	0.66	2.72	1.68	1.04	2.52		2.84	2.29	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5540	85540	FX		17 28 51.239796	- 70 38 1.34332	- 9.50	- 34.16
5541	85620	FX		17 29 44.451349	+ 63 51 9.55540	+ 2.57	- 182.35
5542	85779	FX		17 31 41.223190	+ 8 16 8.62320	+ 0.72	- 4.04
3393	85912	BX		17 33 22.824043	+ 19 15 24.04154	- 29.11	- 90.92
3392	85922	BX		17 33 29.845467	- 5 44 41.29192	- 41.17	- 95.32
3394	85930	BX		17 33 39.389000	+ 16 19 3.21607	- 5.02	- 59.95
5543	85978	FX		17 34 21.520361	+ 29 45 46.37805	- 13.33	- 10.59
3398	86053	RS		17 35 10.648095	+ 62 27 42.11777	- 28.53	- 0.68
3395	86096	RS		17 35 42.370449	+ 37 18 5.73963	+ 9.64	+ 3.19
5545	86107	FX		17 35 50.783328	+ 12 2 49.00662	- 5.30	+ 9.97
3397	86178	BX		17 36 36.746017	+ 30 47 6.64347	+ 30.39	- 5.68
3399	86284	RS	μ Oph	17 37 50.713227	- 8 7 7.57089	- 11.10	- 19.91
5546	86292	FX		17 37 55.190998	+ 41 0 39.03142	+ 121.23	+ 8.45
5547	86325	FX		17 38 18.935975	+ 36 44 50.22570	+ 29.76	+ 0.50
5548	86383	FX		17 39 5.281595	- 17 26 47.05579	- 4.75	- 2.73
5550	86409	FX		17 39 22.708714	+ 0 37 32.46768	- 5.90	- 0.26
5551	86433	FX		17 39 37.675304	+ 24 59 21.65227	+ 4.95	- 16.46
3403	86468	BX		17 40 1.040914	- 32 12 3.84793	- 2.27	- 6.49
5552	86498	FX		17 40 34.979581	- 25 37 27.81721	+ 21.74	- 16.89
3406	86499	BX		17 40 36.159804	+ 57 18 37.12489	- 4.08	+ 21.78
5553	86505	FX		17 40 40.573555	- 62 9 44.76950	+ 9.21	- 27.49
3401	86510	RS	σ Ser	17 40 44.502895	- 67 51 15.01853	- 42.90	- 20.72
3405	86565	RS		17 41 24.873186	- 12 52 31.10342	- 72.43	- 55.05
5554	86639	FX		17 42 11.807111	+ 80 16 56.80389	- 8.30	+ 4.02
5555	86646	FX		17 42 14.315305	- 8 4 17.25865	- 15.57	- 5.69
3402	86664	RS		17 42 26.835145	- 73 23 34.05399	- 5.35	- 30.44
5556	86677	FX		17 42 35.186151	- 4 50 59.13410	+ 18.14	- 9.14
5557	86695	FX		17 42 50.053300	+ 85 40 12.38303	+ 8.13	- 11.52
3408	86713	BX		17 43 5.546198	+ 44 5 3.55065	- 42.38	+ 34.60
3407	86732	RS		17 43 22.022585	+ 14 17 42.60483	+ 1.97	+ 28.03
5558	86832	FX		17 44 34.683298	- 10 20 10.76112	+ 12.75	- 9.59
3410	86925	RS		17 45 40.234455	+ 31 30 16.83874	+ 4.39	- 2.65
3411	86939	BX		17 45 53.722041	+ 38 52 52.98632	+ 2.23	- 32.88
5559	87020	FX		17 46 51.674864	+ 58 38 19.31028	+ 7.72	- 1.87
5560	87023	FX		17 46 53.129516	- 41 16 54.63801	- 1.78	- 2.02
3414	87024	RS		17 46 53.192164	+ 36 5 14.91696	+ 11.11	- 27.52
5561	87056	FX		17 47 22.261328	+ 11 25 24.93045	+ 8.70	+ 18.20
5562	87077	FX		17 47 37.692377	- 57 24 14.64219	+ 4.47	- 1.12
5564	87172	FX		17 48 37.242317	+ 44 49 52.95625	+ 4.20	+ 9.80
3412	87174	BX		17 48 38.061975	- 55 24 6.27106	- 21.43	+ 34.83
3415	87194	BX	87 Her	17 48 49.146354	+ 25 37 22.32538	- 4.24	- 38.67
3409	87217	RS		17 49 7.200136	- 71 5 43.06210	+ 9.06	- 7.98
5566	87240	FX		17 49 29.097829	- 35 22 41.17008	+ 3.24	- 4.55
5567	87258	FX		17 49 48.032001	- 76 12 7.13151	+ 33.62	- 52.33
5568	87287	FX		17 50 7.615451	+ 15 29 43.29873	+ 8.36	+ 10.80
5569	87300	FX		17 50 17.267903	+ 54 43 41.05634	+ 0.93	+ 24.49
5570	87411	FX		17 51 49.643237	- 21 3 31.35725	+ 13.86	- 0.84
3419	87445	BX		17 52 4.720555	+ 39 58 55.52312	- 12.37	+ 51.75
3420	87558	BX		17 53 14.185223	+ 6 6 5.12579	- 127.36	+ 69.78
5571	87576	FX		17 53 27.502576	+ 52 23 7.66890	+ 6.02	+ 0.58

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5540	91.19	0.37	0.35	91.35	0.56	0.62	5.55	0.80	H		7.22		11	1	3
5541	91.38	0.59	0.55	91.21	0.60	0.59	22.32	0.63	H	- 28.7	7.66		11	1	3
5542	91.25	0.81	0.69	91.11	0.64	0.61	1.65	1.09	H		8.59		21	2	
3393	91.15	0.49	0.55	91.15	0.50	0.51	27.26	0.73	H	- 58.8	5.65		19	1	1
3392	91.21	0.69	0.47	90.94	0.31	0.30	20.66	0.77	H	- 26.	5.61		31		
3394	90.91	0.60	0.51	91.00	0.55	0.55	10.20	0.82	H	- 21.5	5.68		21	2	
5543	91.28	0.57	0.57	91.29	0.65	0.66	4.14	0.84	H	- 63.2	7.71	1	31		
3398	91.20	0.56	0.52	91.24	0.56	0.60	5.30	0.59	H		7.05		11	1	3
3395	91.23	0.44	0.43	91.38	0.48	0.61	7.67	0.57	H	+ 3.5	6.13		11	1	3
5545	91.21	0.72	0.56	91.08	0.57	0.51	2.85	0.86	H		6.76	2	31		
3397	91.13	0.37	0.34	91.41	0.45	0.45	15.07	0.57	H	- 17.	6.04		31		
3399	91.32	0.68	0.57	91.68	0.41	0.44	5.94	0.81	H	- 18.5	4.58		39		
5546	91.08	0.57	0.47	91.35	0.66	0.55	18.31	0.73	H	- 28.	8.05		11	1	3
5547	91.24	0.51	0.51	91.35	0.55	0.58	6.95	0.65	H		6.78		31		
5548	91.26	1.24	0.64	91.26	0.79	0.69	6.96	1.39	H		8.60		15	1	3
5550	91.18	1.25	0.71	90.82	0.60	0.54	.66	1.47	H		9.39		33		
5551	91.27	0.56	0.58	91.29	0.78	0.70	2.12	1.04	H		8.46		31		
3403	90.98	0.81	0.69	90.76	0.48	0.50	2.90	0.40	P	- 15.	6.74		18		
5552	91.11	1.16	0.77	91.03	0.74	0.72	5.35	1.29	H		8.96		11	1	3
3406	91.13	0.51	0.45	91.28	0.52	0.56	3.58	0.55	H	- 13.8	6.79		11	1	3
5553	91.30	0.73	0.85	91.32	0.60	0.64	3.20	0.74	P		8.40		31		
3401	91.03	0.39	0.54	91.14	0.44	0.48	8.60	0.69	H		6.48		11	1	3
3405	91.51	0.87	0.40	91.76	0.47	0.37	19.41	1.07	H	- 30.2	4.24		18		
5554	91.28	0.52	0.43	91.05	0.49	0.48	3.02	0.56	H	- 28.2	7.08	1	11	1	3
5555	91.04	1.27	1.12	91.52	0.81	0.81	6.76	1.41	H		9.31		11	1	3
3402	91.36	0.43	0.46	91.23	0.49	0.56	5.69	0.69	H	+ 0.7	7.34		31		
5556	91.45	0.95	0.82	91.73	0.66	0.71	4.24	1.14	H	+ 38.4	6.62	2	13		
5557	91.20	0.50	0.50	91.11	0.49	0.51	8.75	0.56	H		7.58		11	1	3
3408	91.45	0.47	0.43	91.51	0.50	0.55	2.67	0.56	H	- 60.3	6.38	1	11	1	3
3407	91.05	0.60	0.58	90.97	0.48	0.52	8.78	0.74	H	- 42.4	6.22		11	1	3
5558	91.24	0.96	0.89	91.46	0.56	0.59	8.05	1.10	H		8.12		11	1	3
3410	91.15	0.41	0.41	91.26	0.44	0.45	.53	0.12	P	+ 2.4	6.22		31		
3411	91.34	0.50	0.47	91.24	0.48	0.48	8.42	0.60	H	- 11.5	6.53		11	1	3
5559	91.17	0.70	0.70	91.17	0.75	0.80	4.19	0.76	H		8.61		11	1	3
5560	91.20	0.97	1.03	91.04	0.70	0.75	.06	1.14	H		7.62		11	1	3
3414	91.05	0.45	0.48	91.25	0.47	0.47	3.85	0.58	H		6.55		11	1	3
5561	91.10	0.97	0.77	90.99	0.72	0.66	6.01	1.17	H		9.11		11	1	3
5562	91.58	0.89	0.89	91.85	0.55	0.60	3.90	0.90	P		8.06		11	1	3
5564	91.29	0.64	0.57	91.22	0.64	0.55	8.49	0.73	H		8.56		21	2	
3412	91.20	0.67	0.69	91.44	0.49	0.50	19.58	0.78	H	- 19.3	6.09		35		
3415	91.19	0.35	0.34	91.14	0.43	0.36	15.94	0.61	H	- 25.5	5.09	1	11	1	3
3409	91.17	0.38	0.43	91.25	0.57	0.60	4.08	0.80	H	- 9.1	7.49		21	2	
5566	90.99	0.80	0.82	90.63	0.47	0.57	4.72	0.95	H		7.34		11	1	3
5567	91.24	0.48	0.55	91.07	0.57	0.64	6.05	0.71	H		7.47		31		
5568	91.01	0.63	0.62	90.93	0.56	0.62	.71	0.16	P	+ 0.	8.02		18		
5569	91.11	0.65	0.53	91.26	0.66	0.62	5.88	0.72	H		8.56		11	1	3
5570	91.26	1.25	0.75	91.83	0.58	0.62	5.31	1.42	H		8.65		13		
3419	91.19	0.43	0.36	91.22	0.45	0.44	4.67	0.52	H	- 70.5	6.01		18		
3420	91.09	0.58	0.51	91.23	0.48	0.49	31.87	0.77	H	- 32.8	5.77		19	1	1
5571	91.15	0.58	0.55	91.15	0.58	0.55	2.79	0.63	H		8.52	2	17		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5540	- 0.33	+ 0.02	+ 0.04	+ 0.03	- 0.84	+ 0.73	- 0.17	- 0.36	- 2.11	+ 2.19
5541	+ 0.30	- 0.07	- 0.09	- 0.14	+ 0.46	- 0.57	+ 0.15	+ 0.19	+ 2.45	- 1.27
5542	+ 0.36	- 0.23	- 0.92	+10.52	+ 0.11	+ 0.06	- 0.06	- 0.26	- 0.91	+ 0.49
3393	+ 0.31	- 0.32	- 0.37	- 0.88	+ 0.94	+ 1.01	- 0.33	- 0.40	+ 1.18	+ 1.27
3392	+ 0.40	- 0.88	- 1.03	+ 0.74	+ 0.39	+ 0.06	- 0.05	- 0.06	+ 2.67	- 0.53
3394	+ 0.25	- 0.44	- 0.65	+ 2.90	- 0.49	+ 4.65	- 1.96	- 2.72	+ 8.91	+ 5.99
5543	+ 1.06	- 0.38	- 0.76	+ 5.52	+ 1.58	+ 0.32	- 0.22	- 0.48	+ 7.33	- 0.19
3398	+ 0.11	+ 0.01	+ 0.06	- 2.64	+ 0.81	- 0.96	+ 0.18	+ 0.41	- 2.49	- 1.99
3395	+ 0.86	- 0.14	- 0.20	+ 3.98	+ 0.77	+ 0.61	- 0.09	- 0.19	- 1.25	+ 1.89
5545	- 0.31	+ 0.46	+ 1.02	+ 5.29	- 1.34	- 0.31	+ 0.31	+ 0.70	- 3.69	- 0.39
3397	- 0.39	+ 0.17	+ 0.19	- 0.99	- 0.20	+ 0.01	+ 0.02	+ 0.02	- 0.27	+ 0.11
3399	+ 0.66	- 0.40	- 0.60	+ 0.07	+ 1.36	+ 1.39	- 0.32	- 0.47	+ 1.98	+ 2.09
5546	- 0.58	+ 0.36	+ 0.41	+ 1.10	- 0.93	- 0.61	+ 0.61	+ 0.74	- 2.20	- 0.57
5547	- 0.10	+ 0.06	+ 0.08	+ 4.21	- 0.76	+ 0.10	- 0.08	- 0.12	- 5.25	+ 0.74
5548	+ 0.16	- 1.04	- 2.45	+ 1.85	+ 0.14	+ 0.00	+ 0.15	+ 0.41	+ 0.06	- 0.08
5550	- 0.01	+ 0.02	+ 0.10	- 6.00	+ 0.98	- 0.17	+ 0.06	+ 0.40	+ 1.13	- 1.63
5551	- 0.58	+ 0.31	+ 0.86	+ 1.64	- 2.10	- 0.35	+ 0.26	+ 0.87	- 0.86	- 1.28
3403	+ 0.03	+ 0.00	- 0.01	+ 1.48	- 0.54	+ 0.09	- 0.03	- 0.06	- 1.04	+ 0.59
5552	- 0.13	+ 0.17	+ 0.29	- 0.02	- 0.28	- 0.48	+ 0.34	+ 0.66	+ 1.44	- 1.51
3406	+ 0.39	- 0.25	- 0.38	+ 0.47	+ 0.68	+ 0.36	- 0.06	- 0.14	+ 3.39	- 0.19
5553	+ 0.54	- 0.22	- 0.80	+ 9.03	+ 0.19	+ 0.33	- 0.07	- 0.22	+ 3.01	+ 0.70
3401	+ 1.04	- 0.13	- 0.24	+ 1.13	+ 2.25	+ 0.86	- 0.07	- 0.13	+ 4.80	+ 0.44
3405	+ 0.00	+ 0.24	+ 0.27	+ 1.18	- 0.41	+ 0.22	- 0.15	- 0.17	+ 1.80	- 0.13
5554	- 0.41	+ 0.18	+ 0.28	- 2.72	- 0.44	+ 0.42	- 0.29	- 0.50	- 2.04	+ 0.98
5555	+ 0.20	- 0.26	- 0.76	+ 2.06	+ 0.02	+ 0.20	- 0.10	- 0.23	+ 0.23	+ 0.49
3402	+ 0.05	- 0.01	- 0.03	- 2.27	+ 0.90	- 1.85	+ 0.16	+ 0.45	- 1.87	- 6.43
5556	+ 0.44	- 0.24	- 0.53	+ 0.85	+ 1.07	+ 0.94	- 0.33	- 0.76	+ 3.50	+ 1.87
5557	+ 0.50	- 0.14	- 0.21	+ 3.66	+ 0.27	+ 0.47	- 0.11	- 0.17	- 3.06	+ 1.38
3408	+ 0.02	+ 0.00	- 0.01	+ 0.87	- 0.32	- 0.15	+ 0.04	+ 0.11	- 1.93	+ 0.18
3407	+ 1.41	- 0.48	- 0.73	+ 2.76	+ 2.02	- 0.20	- 0.01	- 0.01	- 4.32	+ 1.19
5558	+ 0.29	- 0.29	- 0.59	- 1.21	+ 0.96	- 0.64	+ 0.16	+ 0.28	+ 0.17	- 1.41
3410	- 0.10	+ 0.02	+ 0.17	+ 5.81	- 2.09	- 0.28	+ 0.03	+ 0.38	- 3.29	- 3.07
3411	- 0.32	+ 0.16	+ 0.20	- 0.50	- 0.40	+ 0.47	- 0.10	- 0.15	+ 3.22	- 0.43
5559	- 0.49	+ 0.25	+ 0.52	- 2.91	- 0.93	+ 0.49	- 0.17	- 0.47	- 2.27	+ 1.62
5560	+ 0.00	+ 0.01	+ 1.51	+ 0.41	- 1.02	- 0.02	+ 0.01	+ 1.25	- 0.83	- 2.13
3414	- 0.33	+ 0.08	+ 0.14	+ 1.07	- 0.95	+ 0.47	- 0.04	- 0.11	- 0.45	+ 1.56
5561	- 0.03	+ 0.11	+ 0.25	- 3.30	+ 0.43	- 0.55	+ 0.43	+ 0.75	- 1.16	- 0.94
5562	- 0.05	- 0.02	- 0.07	- 0.10	- 0.10	+ 0.44	- 0.07	- 0.20	+ 1.64	+ 1.20
5564	- 0.95	+ 0.60	+ 0.85	- 1.85	- 1.31	- 2.91	+ 1.39	+ 1.98	- 8.76	- 3.54
3412	+ 0.17	+ 0.04	+ 0.04	+ 4.88	- 2.02	+ 1.27	- 0.20	- 0.27	+ 2.71	+ 1.38
3415	- 0.36	+ 0.53	+ 0.57	+ 0.67	- 1.10	- 0.12	+ 0.14	+ 0.16	- 1.04	+ 0.35
3409	- 1.33	+ 0.06	+ 0.20	-10.51	- 1.92	- 0.72	+ 0.10	+ 0.27	+ 6.03	- 5.08
5566	- 0.36	+ 0.19	+ 0.48	+ 0.19	- 1.35	- 0.92	+ 0.17	+ 0.40	- 4.09	- 1.61
5567	+ 0.88	- 0.12	- 0.26	+ 0.53	+ 2.19	+ 1.98	- 0.36	- 0.83	+ 5.83	+ 4.27
5568	+ 0.03	- 0.03	- 0.16	- 3.12	+ 0.49	- 0.01	+ 0.00	+ 0.02	+ 0.90	- 0.18
5569	+ 0.09	- 0.05	- 0.06	+ 0.80	+ 0.06	- 0.72	+ 0.68	+ 1.11	- 1.67	- 1.15
5570	+ 0.02	+ 0.42	+ 1.20	+ 1.00	- 0.36	+ 1.09	- 0.61	- 1.21	+ 2.33	+ 1.93
3419	+ 0.27	- 0.21	- 0.27	+ 0.08	+ 0.45	+ 0.30	- 0.17	- 0.25	+ 1.21	+ 0.22
3420	+ 0.66	- 0.40	- 0.46	+ 3.51	- 0.04	- 0.32	+ 0.09	+ 0.11	- 1.15	- 0.11
5571	- 0.22	+ 0.10	+ 0.22	+ 5.01	- 1.22	- 0.49	+ 0.17	+ 0.41	+ 0.00	- 1.27

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
5540	1.09	0.36	0.36	3.79	1.67	1.09	0.66	0.69	3.84	1.56	0.45	1.58	0.98	1.06	1.70	
5541	1.07	0.61	0.63	3.16	1.22	1.16	0.65	0.67	3.44	1.36	0.64	1.06	0.87	1.02	2.35	
5542	0.83	0.75	0.89	3.16	1.20	0.81	0.64	0.72	3.32	1.30	0.83	3.50		3.11	0.53	
3393	0.89	0.69	0.71	1.72	0.99	1.03	0.57	0.58	2.11	1.23	0.78	1.62	2.19	0.92	0.77	t
3392	0.61	0.81	0.85	1.23	0.64	0.70	0.33	0.33	1.71	0.76	1.95	1.48	2.50	1.73	0.92	t
3394	0.82	0.60	0.63	1.75	0.98	0.94	0.63	0.66	2.31	1.16	5.17	6.54	6.69	2.03	4.90	
5543	0.90	0.62	0.66	3.02	1.21	0.90	0.75	0.83	3.22	1.18	1.70	3.10		2.51	0.35	
3398	0.91	0.57	0.60	2.60	1.20	1.09	0.63	0.66	2.92	1.68	1.39	1.47	1.23	1.21	1.52	
3395	0.99	0.45	0.46	2.88	1.23	1.23	0.64	0.66	3.51	1.79	1.46	1.32	1.18	1.30	0.54	
5545	0.68	0.69	0.82	2.53	0.82	0.72	0.59	0.67	2.82	0.91	2.24	2.12	0.96	2.73	0.73	
3397	0.64	0.40	0.41	1.20	0.69	0.73	0.55	0.57	1.51	0.84	0.95	0.50	2.93	0.61	0.64	t
3399	0.81	0.68	0.73	1.82	1.03	0.85	0.47	0.49	2.11	1.09	1.19	2.69	1.89	0.62	1.40	t
5546	0.75	0.57	0.59	2.21	0.81	0.76	0.75	0.78	2.43	0.81	1.19	1.78	0.83	1.07	1.37	
5547	0.78	0.61	0.65	2.45	0.91	0.78	0.73	0.79	2.73	0.89	2.45	1.08	2.33	2.82	1.02	
5548	0.68	1.27	1.79	1.90	0.74	0.87	0.90	1.03	2.22	1.06	1.34	1.65		0.84	0.16	t
5550	0.73	0.80	1.32	2.17	0.92	0.65	0.56	0.64	2.43	1.16	1.59	2.41		3.13	1.04	t
5551	0.77	0.63	0.71	2.76	1.08	0.85	0.76	0.89	2.72	1.22	2.66	0.67		1.27	1.37	
3403	0.85	0.79	0.93	1.93	1.23	0.78	0.54	0.58	2.01	1.16	0.83	0.59	1.16	1.13	0.45	t
5552	0.82	1.17	1.61	2.21	0.96	0.92	0.88	1.03	2.42	1.20	1.50	0.31		1.10	1.26	
3406	0.64	0.54	0.59	1.37	0.85	0.87	0.60	0.65	2.22	1.27	1.64	1.03	1.32	1.41	1.74	
5553	1.11	0.90	1.01	3.55	1.79	1.06	0.65	0.69	3.64	1.93	2.80	0.66	1.71	2.30	0.99	
3401	1.23	0.56	0.57	3.14	1.84	1.27	0.49	0.50	3.21	1.99	1.58	1.33	1.15	1.19	0.27	
3405	0.53	0.69	0.72	1.08	0.53	0.60	0.48	0.49	1.42	0.63	1.52	0.76	0.86	1.81	0.14	t
5554	0.63	0.50	0.54	2.35	0.76	0.64	0.58	0.65	2.52	0.76	1.37	1.72	2.47	1.47	0.80	
5555	1.26	1.35	1.69	2.87	1.74	1.16	0.89	0.98	2.92	1.66	0.49	0.86		0.61	0.34	
3402	1.30	0.46	0.47	4.74	2.53	1.27	0.57	0.58	4.41	2.28	0.70	2.95	2.26	1.09	0.67	
5556	1.00	0.95	1.13	2.89	1.34	1.01	0.78	0.87	3.02	1.45	1.44	1.88	1.74	0.49	0.63	t
5557	0.97	0.54	0.56	3.01	1.19	1.10	0.54	0.56	3.61	1.42	1.49	1.07	0.18	1.55	0.58	
3408	0.62	0.49	0.53	1.34	0.85	0.84	0.58	0.63	2.22	1.32	1.08	0.31	0.80	1.11	0.77	
3407	1.02	0.64	0.67	2.35	1.33	1.14	0.54	0.56	2.71	1.63	2.12	1.97	1.68	1.76	1.43	
5558	1.13	1.08	1.23	3.28	1.42	1.13	0.63	0.66	3.32	1.52	1.30	0.18		0.75	1.41	
3410	0.56	0.41	0.44	2.71	1.20	0.61	0.46	0.48	2.71	1.65	2.46	2.66	0.19	2.67	0.80	
3411	0.80	0.55	0.57	1.67	0.95	0.96	0.52	0.54	2.02	1.29	1.66	0.58	2.46	1.53	0.69	
5559	0.94	0.78	0.88	4.26	1.20	1.07	0.87	0.98	4.53	1.47	1.58	0.88		0.93	0.82	
5560	1.03	1.04	1.59	2.53	1.67	0.76	0.75	0.98	2.54	1.49	2.05	0.82		0.65	0.29	
3414	0.87	0.51	0.54	3.05	1.19	1.00	0.48	0.50	3.41	1.62	0.32	1.31	0.99	0.82	0.72	
5561	0.93	0.97	1.13	2.83	1.14	0.89	0.79	0.88	2.82	1.09	1.22	1.32		1.22	0.65	
5562	1.17	0.94	1.06	3.69	1.83	1.08	0.62	0.66	3.53	1.85	0.71	0.51		0.11	0.41	
5564	0.86	0.67	0.71	2.70	1.00	0.88	0.64	0.67	2.83	1.04	4.77	3.81		1.74	2.86	
3412	1.18	0.79	0.82	2.34	1.55	1.21	0.53	0.54	2.71	1.54	2.24	1.53	1.25	2.50	1.09	t
3415	0.53	0.47	0.48	0.87	0.58	0.53	0.52	0.53	0.92	0.59	1.14	2.25	0.88	2.12	1.14	
3409	1.12	0.43	0.44	3.58	2.34	1.11	0.61	0.64	3.42	2.01	3.40	2.70	2.26	3.45	0.85	
5566	1.11	0.88	0.98	2.98	1.69	1.06	0.59	0.62	3.13	1.68	1.41	1.45	1.59	0.83	1.16	
5567	1.15	0.57	0.59	4.02	1.72	1.19	0.67	0.70	3.76	1.82	1.75	2.94	1.76	0.53	1.44	
5568	0.68	0.66	0.82	3.35	0.98	0.73	0.64	0.72	3.62	1.32	0.52	0.89		1.07	0.44	t
5569	0.74	0.65	0.70	2.66	0.84	0.80	0.77	0.86	3.04	0.93	1.79	0.94		0.31	1.88	
5570	0.82	1.11	1.47	2.15	0.96	0.92	0.72	0.81	2.42	1.21	2.21	1.39		0.60	0.30	t
3419	0.54	0.46	0.48	1.08	0.65	0.68	0.52	0.55	1.62	0.85	0.90	1.00	0.07	0.62	0.47	t
3420	0.82	0.66	0.68	1.82	0.83	1.01	0.54	0.55	2.11	1.19	2.13	0.42	2.35	1.83	1.71	t
5571	0.79	0.60	0.65	2.98	1.07	0.81	0.59	0.64	3.33	1.12	1.74	1.58		2.00	0.96	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5572	87623	FX	ψ^2 Dra	17 53 58.108159	+ 44 9 53.03204	+ 10.47	+ 1.47
5573	87660	FX		17 54 18.253639	- 47 25 36.78267	- 17.49	- 22.45
3429	87728	BX		17 55 11.154509	+ 72 0 18.46112	+ 8.83	- 2.38
3428	87744	BX		17 55 23.654878	+ 55 58 17.01486	+ 35.74	+ 124.13
5574	87767	FX		17 55 44.196024	- 44 55 48.34796	+ 0.75	- 27.16
3427	87777	BX		17 55 50.810461	+ 22 27 51.19352	- 2.15	- 0.29
5575	87780	FX		17 55 53.317734	- 87 14 25.05794	+ 6.87	- 11.73
3423	87782	BX		17 55 54.970117	- 18 48 7.75282	+ 13.75	- 19.90
5576	87795	FX		17 56 6.444009	- 67 15 2.79806	- 5.98	- 37.52
5577	87797	FX		17 56 7.402174	- 1 24 36.06967	+ 3.45	- 0.34
5578	87824	FX		17 56 24.432805	- 26 46 24.21027	- 15.16	- 84.18
5579	87829	FX		17 56 26.974365	- 10 11 20.39750	- 5.22	- 24.84
3425	87846	RS		17 56 47.421160	- 44 20 32.08006	- 5.35	- 18.86
5580	87849	FX		17 56 48.042264	- 15 41 2.09549	- 0.01	- 2.45
5581	87851	FX		17 56 49.024701	+ 70 4 52.67595	- 1.90	- 30.37
5582	87858	FX	17 56 51.849058	- 64 48 19.64869	- 13.01	- 26.67	
3426	87928	RS	17 57 42.735214	- 56 53 46.50622	- 2.68	- 11.68	
5583	88015	FX	17 58 40.272843	+ 18 54 15.69832	- 1.09	- 11.60	
3421	88082	RS	17 59 21.220727	- 77 49 26.15959	+ 21.92	+ 8.26	
3430	88116	BX	4 Sgr	17 59 47.554707	- 23 48 58.07936	- 3.14	- 50.17
3433	88122	BX	17 59 56.206477	+ 45 30 4.96377	+ 3.97	- 33.64	
5585	88161	FX	18 0 21.479079	- 49 55 0.72265	+ 4.77	- 6.35	
3432	88213	RS	18 0 52.858924	+ 6 16 5.85651	+ 0.83	- 7.42	
5586	88260	FX	18 1 24.651203	+ 30 38 43.06126	+ 8.69	+ 15.55	
3989	88274	BX	18 1 34.180363	- 85 12 53.38015	- 4.13	- 144.65	
3431	88328	RS	18 2 22.794695	- 60 8 14.29017	+ 1.84	- 13.99	
5588	88362	FX	18 2 37.319592	- 20 44 15.46188	+ 0.21	- 5.40	
5589	88373	FX	18 2 44.576997	- 53 42 7.99528	+ 2.07	- 15.59	
5591	88494	FX	18 4 10.602337	+ 11 8 35.40837	+ 0.54	- 9.63	
5592	88515	FX	18 4 29.903698	+ 42 51 38.24294	+ 4.32	+ 2.11	
5594	88568	FX	18 5 1.847442	+ 22 54 51.53713	- 2.53	- 1.50	
3440	88583	RS	18 5 11.188097	+ 66 56 43.93145	+ 15.68	+ 11.03	
3990	88599	RS	18 5 26.855230	- 81 29 11.64409	+ 28.39	- 49.08	
5597	88752	FX	18 7 6.045371	+ 36 25 14.63279	+ 2.07	+ 12.79	
3438	88760	BX	18 7 11.353292	- 21 26 38.17575	+ 0.10	- 2.16	
5598	88772	FX	18 7 21.189766	+ 15 54 59.39881	- 6.77	- 142.05	
5599	88834	FX	18 7 59.223275	+ 39 55 24.36775	- 82.60	+ 58.57	
3439	88839	BX	18 8 4.979217	- 28 27 25.53473	+ 24.45	- 31.56	
3442	88862	RS	18 8 33.735558	+ 14 17 4.98247	- 6.25	+ 0.01	
3437	88866	BX	π Pav	18 8 34.813479	- 63 40 6.77687	+ 17.22	- 205.96
5600	88978	FX	18 9 41.368034	- 24 42 56.19501	- 22.03	- 27.36	
5601	88980	FX	18 9 43.120350	+ 6 12 23.26673	- 39.08	+ 25.98	
3447	89047	RS	18 10 31.639881	+ 54 17 11.58641	+ 107.76	+ 246.69	
5603	89048	FX	18 10 31.733293	+ 65 22 50.38947	- 55.35	+ 16.30	
3445	89065	RS	18 10 40.299875	+ 3 19 27.32334	+ 18.99	- 4.96	
3444	89099	RS	18 11 5.561329	- 41 21 32.80688	+ 32.32	- 38.19	
3449	89104	RS	18 11 7.154036	+ 60 24 34.31427	- 6.54	+ 4.26	
3448	89172	RS	104 Her	18 11 54.156793	+ 31 24 19.26621	- 14.73	+ 26.06
5604	89173	FX	18 11 55.378897	- 58 11 25.90630	+ 21.86	- 38.42	
5605	89202	FX	18 12 14.487147	+ 52 3 42.79370	- 0.11	- 9.91	

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5572	91.43	0.73	0.62	91.18	0.68	0.62	2.50	0.35	P		9.02		11	1	3
5573	91.07	1.13	0.98	91.66	0.64	0.65	2.95	1.34	H	- 36.8	8.75		11	1	3
3429	91.36	0.46	0.40	91.54	0.47	0.54	4.51	0.51	H	- 2.	5.43		29	2	
3428	91.25	0.51	0.38	91.14	0.45	0.44	17.75	0.51	H	- 23.7	6.09		11	1	3
5574	90.90	0.90	0.83	91.28	0.57	0.50	6.01	1.16	H		7.82		31		
3427	91.13	0.36	0.34	91.13	0.43	0.42	6.67	0.63	H	- 43.6	5.62		11	1	3
5575	91.22	0.60	0.67	91.12	0.62	0.71	2.98	0.73	H		7.96		11	1	3
3423	91.21	0.75	0.49	91.52	0.44	0.40	8.99	0.83	H	+ 4.	6.48		19	1	1
5576	91.15	0.50	0.62	91.33	0.63	0.72	5.27	0.98	H		7.76		11	1	3
5577	91.59	0.88	0.74	91.58	0.62	0.61	1.46	0.98	H		7.85	2	13		
5578	91.05	1.04	0.68	91.61	0.48	0.48	21.15	1.14	H		7.39		31		
5579	91.25	1.14	0.98	91.52	0.72	0.77	6.39	1.23	H		8.99		11	1	3
3425	90.78	0.68	0.59	91.25	0.36	0.34	9.39	0.81	H	+ 44.9	4.85		29	2	
5580	91.42	0.93	0.81	91.76	0.56	0.61	2.68	1.15	H		7.62		11	1	3
5581	91.36	0.75	0.66	91.47	0.62	0.71	7.40	0.77	H		9.00		31		
5582	91.44	0.78	0.66	91.68	0.67	0.63	2.51	0.58	P		8.25		35		
3426	91.16	0.66	0.71	91.28	0.46	0.48	3.70	0.51	P	- 5.3	6.26		11	1	3
5583	90.92	0.90	0.75	91.27	0.84	0.71	- .73	1.44	H		9.07		31		
3421	91.36	0.43	0.40	91.29	0.48	0.48	6.37	0.62	H		6.74	1	11	1	3
3430	91.40	0.75	0.61	91.71	0.45	0.44	7.47	0.93	H	- 18.	4.74		28	2	
3433	91.25	0.45	0.43	91.25	0.42	0.44	5.34	0.50	H	- 9.7	5.69	1	29	2	
5585	90.98	0.80	0.73	91.31	0.52	0.49	3.31	1.05	H		7.64		35		
3432	91.43	0.73	0.66	91.39	0.54	0.56	1.70	0.23	P	- 14.	6.36		18		
5586	91.11	0.44	0.46	91.22	0.54	0.52	2.41	0.69	H	- 29.1	7.11		11	1	3
3989	91.12	0.43	0.46	91.13	0.46	0.52	14.91	0.55	H	- 23.	6.45		11	1	3
3431	91.55	0.66	0.71	91.51	0.47	0.48	1.45	0.80	H		6.94		11	1	3
5588	91.23	0.79	0.52	91.56	0.46	0.42	.84	0.19	P	- 5.	6.78	1	11	1	3
5589	91.00	0.88	0.95	91.33	0.65	0.65	6.63	0.95	H		7.60		11	1	3
5591	91.30	0.70	0.88	91.25	0.61	0.88	3.81	1.23	H		8.78		11	1	3
5592	91.27	0.50	0.48	91.15	0.48	0.47	2.68	0.57	H	- 13.6	7.09		11	1	3
5594	91.06	0.47	0.49	91.28	0.59	0.57	3.67	0.91	H	- 31.2	7.36		21	2	
3440	92.06	0.36	0.32	91.26	0.43	0.44	4.51	0.49	H		6.86		31		
3990	91.13	0.50	0.54	91.22	0.46	0.48	3.53	0.62	H	- 3.3	6.37	1	31		
5597	91.02	0.58	0.54	91.13	0.56	0.57	4.98	0.71	H	- 26.8	8.07		11	1	3
3438	91.12	0.74	0.46	91.47	0.42	0.38	.62	0.14	P	- 8.5	6.22		19	1	1
5598	91.10	0.53	0.52	91.06	0.45	0.44	7.18	0.81	H	+ 15.8	6.68		21	2	
5599	91.24	0.53	0.45	91.20	0.51	0.46	9.55	0.61	H		7.73		31		
3439	90.94	0.74	0.54	91.47	0.44	0.39	9.38	0.77	H	- 4.8	4.55		11	1	3
3442	91.22	0.55	0.64	91.35	0.48	0.56	6.13	0.76	H	- 9.1	6.34		15	1	3
3437	91.41	0.51	0.52	91.44	0.44	0.42	23.55	0.71	H	- 15.6	4.33		28	2	
5600	91.36	1.26	0.77	91.70	0.69	0.77	3.04	0.70	P		8.58		15	1	1
5601	91.37	0.83	0.58	91.40	0.69	0.57	8.11	1.07	H	- 38.	7.07		31		
3447	91.08	0.46	0.42	91.36	0.44	0.49	20.00	0.51	H	- 15.8	5.97		19	1	1
5603	91.38	0.61	0.55	91.35	0.54	0.52	4.05	0.62	H		7.72		11	1	3
3445	91.09	0.67	0.59	91.32	0.50	0.52	7.91	0.74	H	+ 9.5	5.50		11	1	3
3444	91.12	0.75	0.79	91.54	0.48	0.51	12.13	0.83	H	- 4.	5.86	1	18		
3449	91.21	0.50	0.57	91.44	0.37	0.49	7.11	0.50	H	- 18.	6.50		11	1	3
3448	91.17	0.38	0.37	91.25	0.43	0.43	5.42	0.54	H	- 0.3	4.96	2	33		
5604	91.11	0.80	0.79	91.30	0.70	0.69	3.74	1.05	H		7.97		11	1	3
5605	91.32	0.74	0.65	91.05	0.65	0.69	.06	0.76	H		8.35		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5572	- 0.18	+ 0.09	+ 0.23	+ 4.08	- 1.21	+ 0.76	- 0.38	- 1.01	+ 2.58	+ 1.92
5573	+ 0.09	- 0.13	- 0.56	+ 3.45	- 0.67	- 0.96	+ 0.34	+ 0.96	- 4.40	- 2.12
3429	+ 1.58	- 0.55	- 0.80	+ 6.11	+ 0.71	+ 0.69	- 0.32	- 0.54	+ 0.88	+ 1.29
3428	+ 0.11	- 0.03	- 0.04	+ 0.97	- 0.38	- 0.43	+ 0.29	+ 0.33	- 0.17	- 0.64
5574	+ 1.24	- 0.77	- 1.66	+ 3.45	+ 2.42	+ 1.06	- 0.08	- 0.07	+ 7.62	+ 0.08
3427	- 0.01	+ 0.03	+ 0.04	+ 0.50	- 0.22	- 0.09	+ 0.10	+ 0.12	+ 2.08	- 0.76
5575	+ 0.69	- 0.09	- 0.41	+ 4.42	+ 2.77	+ 0.27	- 0.05	- 0.21	+ 2.70	+ 0.83
3423	+ 0.26	- 0.55	- 0.72	+ 0.43	+ 0.32	+ 0.52	- 0.28	- 0.33	+ 1.72	+ 0.33
5576	- 0.04	- 0.01	- 0.04	- 2.95	+ 1.07	+ 0.47	- 0.09	- 0.25	+ 3.06	+ 0.60
5577	- 0.14	+ 0.07	+ 0.39	+ 0.85	- 1.05	+ 0.38	- 0.10	- 0.49	+ 3.11	+ 1.44
5578	+ 0.74	- 1.33	- 1.74	+ 0.94	+ 1.00	- 0.68	+ 0.21	+ 0.23	+ 2.91	- 1.60
5579	+ 0.84	- 0.76	- 1.86	+ 2.23	+ 1.92	- 0.90	+ 0.17	+ 0.30	- 3.67	- 1.04
3425	- 1.93	+ 1.53	+ 2.16	- 1.80	- 3.28	+ 2.73	- 0.46	- 0.64	+ 3.48	+ 4.00
5580	+ 0.10	+ 0.06	+ 0.28	- 0.68	+ 0.32	+ 0.48	- 0.15	- 0.46	+ 0.64	+ 1.45
5581	- 0.48	+ 0.57	+ 1.01	+ 1.01	- 1.11	- 0.81	+ 0.73	+ 1.30	+ 3.20	- 2.12
5582	- 0.17	+ 0.05	+ 0.16	+ 4.16	- 1.80	- 0.04	+ 0.01	+ 0.05	+ 7.13	- 1.97
3426	- 0.37	+ 0.04	+ 0.19	- 2.80	- 1.74	+ 0.08	+ 0.00	- 0.03	+ 1.53	- 0.02
5583	+ 0.00	+ 0.00	+ 0.65	+ 3.98	- 1.64	+ 0.00	+ 0.00	- 0.84	+ 6.92	+ 0.82
3421	+ 1.34	- 0.03	- 0.11	+ 4.02	+ 4.98	+ 0.82	- 0.01	- 0.07	+ 0.67	+ 4.90
3430	+ 1.81	- 1.50	- 2.26	+ 1.52	+ 3.17	+ 1.88	- 0.19	- 0.13	+ 2.28	+ 2.41
3433	+ 0.15	- 0.05	- 0.08	+ 2.88	- 1.28	+ 0.96	- 0.25	- 0.39	+ 6.94	- 0.44
5585	- 0.06	- 0.05	- 0.12	- 4.61	+ 1.16	- 1.07	+ 0.30	+ 0.61	- 5.33	- 1.47
3432	+ 0.10	+ 0.00	+ 0.06	- 0.39	+ 0.45	- 0.58	+ 0.10	+ 0.44	- 1.01	- 2.98
5586	+ 0.45	- 0.12	- 0.29	- 0.31	+ 1.29	+ 0.45	- 0.13	- 0.34	+ 6.65	+ 0.59
3989	+ 1.20	- 0.28	- 0.35	+ 3.36	+ 0.78	+ 0.12	- 0.05	- 0.07	+ 1.90	- 0.51
3431	+ 0.05	- 0.01	- 0.08	- 0.16	+ 0.56	+ 0.05	- 0.01	- 0.05	- 3.79	+ 1.38
5588	+ 0.10	- 0.09	- 0.38	+ 0.01	+ 0.40	+ 0.09	+ 0.00	+ 0.02	- 1.90	+ 0.55
5589	+ 0.91	- 0.34	- 0.93	+ 2.73	+ 2.47	+ 0.02	+ 0.07	+ 0.23	- 2.96	+ 1.10
5591	- 0.67	+ 0.37	+ 1.15	- 4.01	- 1.86	- 0.15	+ 0.04	+ 0.09	- 7.83	+ 0.54
5592	+ 0.03	- 0.02	- 0.05	+ 2.67	- 0.46	+ 0.49	- 0.25	- 0.46	- 1.74	+ 1.37
5594	+ 0.75	- 0.19	- 0.28	- 1.49	+ 1.64	- 1.39	+ 0.53	+ 1.08	+ 0.15	- 3.26
3440	- 0.76	+ 0.10	+ 0.14	- 5.49	+ 0.66	- 0.40	+ 0.02	+ 0.05	+ 2.10	- 1.83
3990	- 0.01	+ 0.02	+ 0.06	- 2.94	+ 0.87	+ 0.81	- 0.06	- 0.21	+ 7.60	+ 1.45
5597	+ 1.23	- 0.42	- 0.75	+ 5.45	+ 1.77	+ 0.02	- 0.06	- 0.12	+ 5.04	- 0.73
3438	+ 0.06	- 0.08	- 0.36	+ 1.51	- 0.19	+ 0.04	+ 0.00	+ 0.01	+ 0.97	- 0.09
5598	+ 0.34	- 0.47	- 0.68	- 1.12	+ 0.63	- 2.06	+ 0.74	+ 1.01	- 6.19	- 2.63
5599	+ 1.10	- 0.39	- 0.49	+ 1.22	+ 1.42	- 1.08	+ 0.45	+ 0.57	+ 1.61	- 1.74
3439	- 0.14	+ 0.24	+ 0.32	- 0.07	- 0.24	+ 0.16	- 0.03	- 0.03	+ 1.30	- 0.14
3442	- 0.59	+ 0.25	+ 0.44	+ 0.64	- 1.49	+ 1.52	- 0.24	- 0.49	+ 4.01	+ 3.07
3437	- 1.04	+ 0.18	+ 0.23	- 1.59	- 1.21	+ 9.37	- 1.36	- 1.68	+19.02	+ 9.17
5600	- 0.01	+ 0.17	+ 0.89	- 0.22	- 0.11	+ 0.12	- 0.17	- 0.64	+ 3.22	- 0.24
5601	- 0.77	+ 0.94	+ 1.33	- 3.55	- 0.88	+ 0.92	- 0.69	- 0.95	- 4.23	+ 1.77
3447	- 0.85	+ 0.35	+ 0.40	- 4.02	- 0.50	- 0.68	+ 0.14	+ 0.18	- 3.98	- 0.11
5603	- 0.50	+ 0.23	+ 0.46	- 2.09	- 0.82	- 0.45	+ 0.20	+ 0.38	+ 1.61	- 1.17
3445	+ 0.04	- 0.08	- 0.12	+ 0.16	+ 0.04	+ 0.82	- 0.25	- 0.38	+ 1.21	+ 1.25
3444	- 0.05	+ 0.08	+ 0.14	- 0.32	- 0.04	+ 0.37	- 0.07	- 0.11	+ 4.68	- 1.03
3449	- 0.25	+ 0.10	+ 0.18	- 2.99	+ 0.05	- 0.65	+ 0.09	+ 0.17	- 5.85	- 0.24
3448	- 0.58	+ 0.21	+ 0.27	+ 0.29	- 1.30	+ 1.58	- 0.60	- 0.85	+ 3.21	+ 1.91
5604	+ 0.11	- 0.09	- 0.27	- 0.11	+ 0.53	- 0.55	+ 0.23	+ 0.58	- 3.31	- 0.98
5605	- 0.01	+ 0.01	+ 0.73	- 0.34	- 0.59	+ 0.02	- 0.02	- 1.06	+ 1.07	+ 1.69

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
5572	0.81	0.67	0.76	2.85	1.13	0.82	0.68	0.76	2.83	1.15	2.38	1.79		1.74	1.37	
5573	1.07	1.12	1.48	2.59	1.52	0.93	0.69	0.76	2.54	1.48	2.42	1.85	1.64	1.57	1.12	t
3429	0.70	0.45	0.47	1.46	0.92	0.81	0.61	0.66	1.83	1.11	4.55	2.05	0.51	3.13	0.57	t
3428	0.55	0.56	0.57	0.93	0.60	0.70	0.55	0.56	1.33	0.81	0.99	1.07	1.19	1.26	0.93	
5574	1.08	0.96	1.09	2.70	1.49	1.00	0.53	0.55	2.64	1.42	3.39	2.23	1.18	2.54	2.17	
3427	0.52	0.44	0.46	1.02	0.60	0.62	0.52	0.55	1.41	0.73	1.35	1.01	1.54	1.89	1.16	
5575	1.10	0.68	0.71	4.44	2.18	1.11	0.72	0.76	4.13	2.20	1.28	1.46	1.11	0.52	0.61	
3423	0.59	0.80	0.87	1.18	0.69	0.66	0.48	0.50	1.51	0.75	1.51	1.20	2.06	0.83	0.29	t
5576	1.21	0.63	0.66	3.42	2.18	1.23	0.75	0.79	3.35	2.15	1.28	0.61	1.71	1.17	0.64	
5577	0.88	0.77	0.89	3.19	1.44	0.83	0.63	0.69	2.92	1.52	1.42	1.21		0.74	0.66	t
5578	0.83	1.05	1.14	2.05	0.93	0.88	0.55	0.56	2.23	1.00	1.62	2.50	2.00	1.85	1.42	t
5579	1.16	1.17	1.42	2.56	1.62	1.16	0.84	0.92	2.72	1.78	1.94	2.01		0.82	1.19	
3425	0.87	0.72	0.77	1.76	1.11	0.98	0.35	0.36	2.22	1.29	2.73	5.23	4.65	0.74	2.80	t
5580	0.96	0.90	1.11	3.06	1.36	0.88	0.65	0.75	3.12	1.31	0.44	1.29	1.76	0.38	2.00	
5581	0.92	0.80	0.88	3.15	1.10	0.99	0.85	0.94	3.35	1.21	2.53	0.55		1.62	1.10	
5582	0.97	0.68	0.73	3.43	1.68	0.98	0.64	0.68	3.64	1.80	2.22	1.48	2.84	2.73	1.76	t
3426	1.24	0.71	0.74	5.02	2.81	1.20	0.48	0.49	4.81	3.30	0.67	0.66	0.99	0.32	1.55	
5583	0.75	0.75	1.02	3.15	1.19	0.71	0.71	0.88	3.12	1.31	1.84	2.59		2.46	1.90	
3421	1.38	0.41	0.41	5.09	2.87	1.45	0.48	0.49	4.91	3.49	0.82	2.26	0.26	0.72	0.59	
3430	0.80	0.82	0.91	1.55	1.01	0.78	0.52	0.55	1.71	0.96	2.58	4.96	6.55	0.90	4.48	t
3433	0.70	0.50	0.52	1.31	0.94	0.83	0.48	0.50	1.92	1.12	4.24	1.12	1.99	4.21	0.53	t
5585	0.91	0.82	0.95	2.46	1.28	0.82	0.53	0.56	2.44	1.17	2.94	1.76	0.28	2.52	0.27	t
3432	0.83	0.70	0.80	2.85	1.30	0.85	0.57	0.62	3.10	1.62	0.48	2.00	1.29	0.62	1.52	t
5586	0.78	0.48	0.51	3.26	1.13	0.82	0.54	0.58	3.62	1.21	1.91	1.43	1.36	1.65	0.52	
3989	0.98	0.50	0.51	1.99	1.23	0.91	0.60	0.62	1.89	1.12	2.05	0.92	0.96	1.56	0.26	
3431	0.94	0.72	0.77	3.75	2.06	0.82	0.48	0.50	4.11	1.97	0.90	0.75	0.50	1.15	0.61	
5588	0.57	0.59	0.78	2.15	0.74	0.56	0.44	0.51	2.32	0.86	0.82	0.97	1.57	1.00	0.44	
5589	1.36	1.02	1.12	3.59	2.18	1.28	0.67	0.71	3.44	2.15	1.32	1.47	1.07	1.00	0.18	
5591	1.11	0.96	1.10	4.29	1.57	1.13	0.95	1.08	4.51	1.63	1.58	2.07		1.81	0.61	
5592	0.66	0.55	0.61	1.94	0.86	0.67	0.52	0.57	2.14	0.87	1.46	1.80	0.72	2.00	2.32	
5594	0.77	0.54	0.58	2.80	0.99	0.84	0.63	0.69	2.82	1.13	3.78	0.53		1.54	3.35	
3440	0.75	0.33	0.34	1.65	1.00	1.00	0.46	0.47	2.72	1.57	3.42	1.24	1.17	3.43	3.32	
3990	1.08	0.55	0.57	3.69	2.11	1.06	0.49	0.50	3.92	2.00	2.13	0.89	2.61	1.66	1.10	
5597	0.89	0.59	0.63	3.18	1.15	1.00	0.61	0.64	3.43	1.39	1.97	2.41		1.90	1.03	
3438	0.49	0.54	0.75	1.16	0.66	0.47	0.42	0.49	1.51	0.70	1.50	0.20	0.58	1.42	1.34	t
5598	0.72	0.65	0.70	3.06	0.79	0.80	0.49	0.51	3.52	0.92	2.03	3.62	5.28	1.13	3.23	
5599	0.78	0.51	0.53	2.35	0.89	0.78	0.54	0.56	2.53	0.88	0.81	2.93	1.44	1.25	1.27	
3439	0.66	0.84	0.92	1.37	0.77	0.68	0.47	0.49	1.51	0.79	0.88	0.47	1.36	0.85	1.02	
3442	1.01	0.70	0.75	2.92	1.32	1.15	0.58	0.60	3.31	1.77	1.34	2.29	1.16	0.71	1.91	t
3437	1.14	0.56	0.57	2.31	1.41	1.11	0.44	0.45	2.42	1.35	8.45	7.72	15.00	3.56	6.60	t
5600	0.80	1.11	1.85	2.23	0.93	0.89	0.91	1.19	2.52	1.18	0.50	1.40		1.24	0.44	t
5601	0.74	0.81	0.89	2.73	0.81	0.80	0.72	0.77	3.12	0.89	1.98	3.02	2.00	2.07	0.45	
3447	0.82	0.49	0.50	2.31	0.79	1.26	0.51	0.52	3.11	1.58	2.29	0.97	0.60	1.82	0.36	t
5603	0.85	0.60	0.65	2.93	1.12	0.85	0.56	0.60	3.25	1.11	0.93	1.53	1.60	0.91	1.02	
3445	0.80	0.76	0.82	1.83	0.95	0.95	0.58	0.60	2.41	1.22	0.65	1.20	0.62	0.06	0.93	
3444	1.18	0.93	1.01	2.72	1.52	1.09	0.56	0.58	2.41	1.42	1.93	0.62	0.77	2.04	0.51	t
3449	1.00	0.62	0.65	2.99	1.25	1.17	0.51	0.52	3.61	1.68	1.94	0.25	0.55	1.69	0.49	
3448	0.68	0.42	0.43	1.32	0.87	0.73	0.48	0.50	1.61	0.94	2.40	3.07	2.48	1.22	0.50	t
5604	1.05	0.85	0.96	2.99	1.61	0.99	0.75	0.82	3.04	1.45	1.24	1.01	1.23	0.72	0.28	
5605	0.65	0.65	0.94	2.99	0.94	0.70	0.69	0.88	3.53	1.19	2.07	0.68		0.18	0.94	

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	''	[mas/yr]		[mas/yr]		
3451	89279	BX		18	13	4.819074	+	38	46	24.57838	-	6.31	+	7.97
3450	89288	RS		18	13	10.000410	-	4	0	41.78894	+	16.41	+	22.46
5606	89335	FX		18	13	40.869741	-	41	7	36.59468	+	49.41	-	51.42
3446	89382	RS		18	14	24.113147	-	70	45	4.37052	-	5.15	-	15.36
3455	89448	BX	37 Dra	18	15	17.077987	+	68	45	20.91986	+	18.07	-	63.27
3960	89465	RS		18	15	28.628027	+	86	39	27.90512	-	5.77	+	27.81
5607	89505	FX		18	15	53.352423	+	30	23	59.51631	+	32.24	+	12.42
5608	89553	FX		18	16	24.902488	+	48	22	7.61055	+	3.17	+	5.03
3453	89597	RS		18	17	0.919141	-	51	4	5.77192	+	0.76	-	10.54
3454	89609	BX		18	17	11.627114	-	17	22	25.99169	-	3.40	-	14.29
5609	89611	FX		18	17	14.253875	+	2	57	12.73991	+	2.23	-	8.94
5610	89668	FX		18	17	53.605975	+	37	58	47.63259	-	10.13	-	42.50
5611	89669	FX		18	17	54.844203	+	17	58	52.72519	+	14.19	+	35.24
5614	89755	FX		18	18	59.263003	-	4	6	19.66229	+	7.17	-	6.73
5615	89958	FX		18	21	15.379796	+	75	32	55.70845	+	2.75	-	3.74
5616	89974	FX		18	21	27.541095	+	58	51	21.43020	-	130.55	+	210.39
3458	89981	RS		18	21	32.663283	+	49	7	17.73706	-	24.11	+	51.09
5617	90016	FX		18	22	3.027914	-	22	55	18.06831	-	0.31	-	10.67
3460	90067	RS		18	22	49.040036	+	17	49	35.82062	+	72.35	+	16.30
3459	90096	RS		18	23	12.162544	-	12	0	53.11742	-	8.31	-	19.42
3467	90179	BX		18	24	8.507452	+	79	13	21.71405	-	12.71	+	63.38
3463	90191	BX	μ Lyr	18	24	13.785197	+	39	30	26.05939	-	21.90	-	4.57
3461	90200	RS		18	24	18.240701	-	44	6	36.91938	-	0.18	-	22.25
5618	90209	FX		18	24	25.588630	+	32	7	50.98588	-	8.38	-	1.55
5619	90281	FX		18	25	15.193692	-	13	58	42.30446	+	1.96	-	4.09
3465	90344	RS	42 Dra	18	25	59.138479	+	65	33	48.52966	+	106.78	-	27.08
3991	90509	BX		18	28	6.423531	-	84	23	14.11889	+	12.95	-	8.94
5621	90584	FX		18	29	1.962640	+	11	39	1.58013	-	16.75	-	6.89
5622	90620	FX		18	29	27.569493	-	47	5	8.52217	+	7.49	+	18.25
5623	90669	FX		18	29	59.430346	+	15	56	39.82864	-	5.75	+	0.19
5624	90795	FX		18	31	22.018029	-	0	28	55.07151	+	1.16	-	3.19
5626	90808	FX		18	31	27.354516	+	22	59	9.55845	+	20.81	+	41.71
5627	90852	FX		18	32	1.891540	-	44	35	38.59981	+	12.20	-	10.31
5628	90904	FX		18	32	33.272144	-	35	20	58.58894	-	1.68	-	12.91
3475	90905	BX	45 Dra	18	32	34.522435	+	57	2	44.15101	+	0.14	-	7.70
3472	90915	RS		18	32	46.155095	+	23	37	0.48498	+	12.93	+	10.31
3470	90936	RS		18	33	0.916191	-	39	53	31.27613	+	86.12	-	80.04
5630	90955	FX		18	33	14.657027	+	18	54	55.98952	+	0.26	-	73.81
3471	91014	RS		18	33	57.766438	-	33	0	59.61627	+	2.38	-	11.30
3476	91041	BX		18	34	19.570945	+	20	27	59.07607	+	7.06	-	6.12
5631	91049	FX		18	34	23.913606	+	51	6	47.35580	+	3.37	+	13.23
5632	91072	FX		18	34	35.340493	+	3	8	8.80942	+	7.96	+	0.63
3473	91093	RS		18	34	53.657903	-	52	23	15.01722	+	38.01	-	63.33
3477	91105	RS		18	35	2.392747	-	10	58	37.94744	+	49.17	-	5.59
5633	91116	FX		18	35	9.339673	-	55	34	57.24214	-	1.56	-	1.05
5634	91152	FX		18	35	46.087762	+	27	12	41.54056	+	0.24	-	3.83
3478	91172	BX		18	35	59.645220	-	29	41	56.77575	+	5.53	-	10.22
3481	91250	BX		18	36	45.549043	+	43	13	18.53321	+	21.47	-	10.78
5635	91281	FX		18	37	9.432824	+	0	57	4.10307	+	12.75	+	22.73
5636	91287	FX		18	37	12.840151	-	25	40	16.56463	+	171.67	-	281.85

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3451	91.04	0.41	0.38	91.35	0.42	0.44	5.06	0.50	H	- 9.	6.04		18		
3450	91.53	0.67	0.58	91.53	0.49	0.49	10.43	0.82	H	- 9.9	6.59		18		
5606	91.01	0.84	0.85	91.40	0.53	0.59	3.03	1.00	H		7.00		11	1	3
3446	91.16	0.31	0.34	91.37	0.44	0.44	2.57	0.62	H	- 7.2	6.70		31		
3455	91.32	0.47	0.42	91.10	0.46	0.49	11.48	0.49	H	- 10.3	5.96		29	2	
3960	91.19	0.45	0.47	91.24	0.47	0.58	2.75	0.52	H	- 36.3	6.51	2	13		
5607	91.18	0.42	0.43	91.26	0.53	0.58	8.95	0.65	H	- 58.	6.76		11	1	3
5608	91.26	0.54	0.53	91.10	0.45	0.52	1.53	0.57	H		7.45	2	31		
3453	91.05	0.62	0.73	91.34	0.48	0.50	9.07	0.77	H	- 5.1	6.06		19	1	1
3454	91.03	0.80	0.49	91.52	0.47	0.42	3.12	0.86	H	- 7.2	5.81		15	1	3
5609	91.39	1.07	0.68	91.48	0.79	0.67	.69	1.18	H		8.88		21	2	
5610	91.05	0.64	0.59	91.16	0.62	0.58	11.03	0.79	H		8.65		31		
5611	91.13	0.61	0.58	91.33	0.53	0.51	3.82	0.87	H	- 88.	7.40	2	33		
5614	91.19	0.97	0.70	91.32	0.60	0.58	4.69	1.11	H	+ 41.	7.60		18		
5615	91.54	0.69	0.62	91.13	0.56	0.59	1.68	0.68	H		8.55		11	1	3
5616	90.99	0.67	0.68	91.10	0.68	0.75	13.14	0.72	H		8.69		11	1	3
3458	91.18	0.43	0.41	91.30	0.35	0.41	4.32	0.47	H	+ 13.3	5.02	2	13		
5617	91.14	1.00	0.69	91.71	0.55	0.58	3.10	0.71	P		7.30		11	1	3
3460	91.32	0.47	0.44	91.39	0.43	0.44	7.48	0.66	H	- 18.8	5.25		19	1	1
3459	91.34	0.69	0.57	91.44	0.49	0.45	5.33	0.77	H	- 11.	5.71		18		
3467	91.17	0.46	0.42	91.22	0.46	0.52	7.83	0.50	H		6.54		11	1	3
3463	91.16	0.41	0.37	91.29	0.39	0.43	7.39	0.52	H	- 24.	5.11		38		
3461	91.41	0.75	0.71	91.69	0.43	0.50	6.22	0.85	H	+ 0.	5.24		19	1	1
5618	91.19	0.57	0.55	91.24	0.54	0.57	3.41	0.78	H	- 23.9	8.15		31		
5619	91.47	0.89	0.79	91.63	0.73	0.64	.81	0.19	P	- 25.2	6.61	2	18		
3465	91.39	0.47	0.40	91.24	0.45	0.49	10.28	0.48	H	+ 32.3	4.82		19	1	1
3991	90.98	0.45	0.54	91.05	0.46	0.56	5.47	0.55	H	- 4.1	6.49		11	1	3
5621	91.35	0.72	0.73	91.49	0.56	0.62	6.95	1.01	H		7.50		31		
5622	91.15	0.80	0.83	91.37	0.58	0.66	4.85	0.92	H		7.60		21	2	
5623	91.25	0.67	0.65	91.45	0.51	0.57	4.22	1.01	H		7.17		11	1	3
5624	91.25	0.77	0.57	91.20	0.60	0.54	4.06	0.86	H		7.07		11	1	3
5626	91.05	0.35	0.41	91.18	0.52	0.53	7.57	0.87	H		7.41		11	1	3
5627	91.28	0.99	0.93	91.51	0.64	0.68	3.87	0.89	P		8.19		11	1	3
5628	91.22	0.80	0.84	91.52	0.43	0.59	4.43	0.97	H		6.95		11	1	3
3475	91.15	0.44	0.35	90.94	0.44	0.43	1.31	0.30	P	- 12.5	4.77		19	1	1
3472	91.12	0.33	0.45	91.23	0.49	0.57	4.11	0.75	H	- 4.3	5.88		39		
3470	91.28	0.68	0.75	91.58	0.44	0.51	27.72	0.79	H	- 16.0	6.22		31		
5630	91.15	0.46	0.47	91.47	0.46	0.55	6.91	0.81	H		6.83		15	1	3
3471	91.26	0.77	0.77	91.58	0.44	0.61	3.20	0.44	P	+ 4.	5.28		18		
3476	91.09	0.44	0.41	91.35	0.45	0.46	7.14	0.73	H	- 9.	6.57		38		
5631	91.22	0.54	0.51	91.36	0.54	0.54	.32	0.07	P	- 62.	7.81	1	11	1	3
5632	91.30	0.66	0.56	91.40	0.42	0.53	4.02	0.86	H	- 37.7	7.46		11	1	3
3473	91.21	0.75	0.79	91.45	0.57	0.55	4.75	0.93	H		6.83		31		
3477	91.18	0.69	0.46	91.39	0.47	0.42	11.25	0.78	H	+ 7.0	5.12		11	1	3
5633	90.88	0.79	0.85	91.19	0.66	0.65	3.52	0.81	P		7.62		11	1	3
5634	91.22	0.53	0.59	91.28	0.54	0.60	3.91	0.89	H	- 75.9	8.05		15	1	3
3478	91.15	0.88	0.67	91.62	0.50	0.52	3.08	0.96	H	- 52.9	6.36		19	1	1
3481	91.21	0.42	0.39	91.38	0.49	0.53	7.94	0.52	H	+ 5.	6.21	2	17		
5635	91.37	0.75	0.57	91.50	0.43	0.51	17.07	0.87	H		6.88		11	1	3
5636	91.16	0.92	0.65	91.34	0.60	0.54	33.17	1.01	H	- 24.3	7.43		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3451	+ 0.33	- 0.27	- 0.37	+ 1.35	+ 0.23	+ 0.87	- 0.28	- 0.43	+ 1.16	+ 1.54
3450	+ 0.12	- 0.05	- 0.07	- 2.88	+ 0.84	- 0.14	+ 0.02	+ 0.03	- 1.95	+ 0.31
5606	+ 0.01	+ 0.01	+ 0.04	- 2.59	+ 0.96	+ 0.68	- 0.23	- 0.57	+ 2.37	+ 1.42
3446	+ 0.96	- 0.04	- 0.16	+ 7.68	+ 1.99	- 0.45	+ 0.04	+ 0.14	- 7.74	+ 0.32
3455	+ 1.21	- 0.76	- 0.90	- 1.41	+ 2.43	+ 0.69	- 0.36	- 0.46	+ 1.63	+ 0.77
3960	- 0.27	+ 0.08	+ 0.17	+ 1.10	- 1.14	+ 0.12	- 0.01	- 0.04	- 1.42	+ 0.85
5607	- 0.18	+ 0.05	+ 0.07	- 2.50	+ 0.05	+ 0.48	- 0.43	- 0.59	- 3.72	+ 1.05
5608	+ 0.29	- 0.10	- 0.29	+ 4.84	+ 0.32	+ 0.73	- 0.22	- 0.71	+ 2.69	+ 2.35
3453	- 0.11	+ 0.07	+ 0.15	- 3.01	+ 0.47	+ 1.81	- 0.15	- 0.31	+ 4.67	+ 3.44
3454	- 0.35	+ 0.84	+ 1.62	- 0.88	- 0.59	- 0.49	+ 0.14	+ 0.11	- 1.79	- 0.48
5609	+ 0.18	- 0.35	- 2.89	+ 3.50	+ 1.26	+ 0.31	- 0.26	- 2.15	+ 2.04	+ 2.66
5610	+ 0.64	- 0.51	- 0.69	+ 5.49	+ 0.32	+ 0.12	- 0.10	- 0.14	+ 4.29	- 0.42
5611	+ 0.48	- 0.30	- 0.60	+ 4.97	+ 0.31	+ 0.00	+ 0.12	+ 0.25	+ 7.35	- 1.06
5614	+ 0.00	- 0.07	- 0.18	+ 1.44	- 0.23	+ 0.42	- 0.24	- 0.43	+ 1.94	+ 0.55
5615	+ 0.03	- 0.02	- 0.06	- 2.65	+ 0.48	+ 0.08	- 0.03	- 0.10	- 1.52	+ 0.57
5616	- 1.06	+ 0.39	+ 0.58	- 1.75	- 1.59	+ 0.77	- 0.26	- 0.43	+ 0.70	+ 1.34
3458	+ 0.14	- 0.04	- 0.07	+ 2.23	- 0.72	+ 0.06	- 0.02	- 0.03	- 0.57	+ 0.35
5617	- 0.19	+ 0.40	+ 1.06	+ 1.60	- 0.93	+ 0.34	- 0.27	- 0.61	+ 0.91	+ 0.71
3460	- 0.27	+ 0.13	+ 0.17	- 1.98	+ 0.56	+ 0.38	- 0.19	- 0.24	+ 0.54	+ 0.47
3459	- 0.10	+ 0.09	+ 0.17	- 0.12	- 0.26	+ 0.68	- 0.10	- 0.20	+ 4.37	+ 0.33
3467	+ 0.54	- 0.15	- 0.21	- 0.20	+ 1.10	+ 0.28	- 0.07	- 0.12	- 0.52	+ 0.90
3463	- 1.00	+ 0.49	+ 0.59	- 2.78	- 0.70	- 0.09	+ 0.01	+ 0.01	+ 1.63	- 0.55
3461	- 1.09	+ 0.69	+ 1.29	- 2.86	- 1.80	+ 0.08	- 0.15	- 0.30	+ 2.70	- 0.62
5618	- 0.66	+ 0.28	+ 0.59	- 0.96	- 1.45	+ 0.88	- 0.37	- 0.80	+ 6.04	+ 1.20
5619	- 0.13	+ 0.05	+ 0.28	- 0.70	- 0.76	- 0.24	+ 0.08	+ 0.46	+ 0.49	- 1.87
3465	+ 0.25	- 0.23	- 0.26	- 0.99	+ 0.72	- 0.09	+ 0.01	+ 0.01	+ 2.81	- 0.88
3991	- 0.74	+ 0.07	+ 0.20	- 7.48	- 0.62	+ 0.60	- 0.07	- 0.19	- 1.78	+ 2.62
5621	- 1.20	+ 1.23	+ 2.18	- 6.44	- 1.38	- 0.28	+ 0.18	+ 0.29	- 1.33	- 0.31
5622	+ 1.10	- 0.70	- 1.63	+ 3.70	+ 2.26	+ 1.42	- 0.36	- 0.70	+10.14	+ 0.85
5623	- 0.31	+ 0.23	+ 0.41	+ 0.53	- 0.69	- 0.75	+ 0.38	+ 0.68	- 2.03	- 1.29
5624	- 0.38	+ 0.34	+ 0.60	- 3.42	- 0.20	- 0.20	+ 0.04	+ 0.07	- 0.95	- 0.23
5626	- 1.19	+ 0.18	+ 0.27	- 4.26	- 1.17	+ 0.35	- 0.12	- 0.17	- 0.11	+ 0.59
5627	+ 0.18	- 0.13	- 0.46	+ 1.21	+ 0.43	- 0.56	+ 0.16	+ 0.46	+ 1.07	- 2.61
5628	- 0.44	+ 0.25	+ 0.68	- 1.39	- 1.20	+ 0.33	- 0.10	- 0.24	+ 1.12	+ 0.73
3475	- 0.08	+ 0.10	+ 0.18	+ 0.57	- 0.38	- 0.33	+ 0.26	+ 0.61	- 0.01	- 1.05
3472	- 0.96	+ 0.22	+ 0.39	- 2.29	- 1.66	+ 0.04	- 0.05	- 0.10	+ 5.67	- 1.66
3470	- 0.30	+ 0.14	+ 0.20	- 0.67	- 0.40	+ 1.91	- 0.16	- 0.25	- 4.63	+ 6.70
5630	+ 0.44	- 0.15	- 0.18	+ 1.77	+ 0.43	- 1.02	+ 0.18	+ 0.32	+ 5.00	- 2.83
3471	- 0.02	+ 0.00	- 0.03	+ 0.41	- 0.19	- 0.08	+ 0.05	+ 0.11	+ 2.49	- 1.04
3476	+ 0.80	- 0.65	- 0.79	+ 1.42	+ 0.84	- 0.65	+ 0.38	+ 0.48	+ 0.07	- 1.11
5631	- 0.04	+ 0.02	+ 0.21	- 5.47	- 0.05	- 0.03	+ 0.00	+ 0.13	- 2.19	- 0.19
5632	+ 0.64	- 0.55	- 0.98	+ 0.67	+ 1.21	- 0.02	- 0.13	- 0.27	- 3.49	+ 0.65
3473	+ 0.49	- 0.12	- 0.42	- 1.01	+ 2.84	+ 1.31	- 0.12	- 0.39	- 3.18	+ 6.32
3477	+ 0.05	- 0.06	- 0.07	+ 0.20	+ 0.01	- 0.59	+ 0.47	+ 0.55	+ 0.49	- 1.06
5633	+ 0.21	- 0.07	- 0.25	- 1.01	+ 1.34	+ 0.29	- 0.06	- 0.17	- 1.51	+ 1.55
5634	- 0.02	+ 0.01	+ 0.01	+ 0.69	- 0.14	- 0.61	+ 0.12	+ 0.32	- 5.58	- 0.98
3478	+ 0.26	- 0.37	- 0.93	+ 1.27	+ 0.37	- 0.21	+ 0.14	+ 0.29	+ 1.64	- 1.16
3481	- 0.82	+ 0.36	+ 0.44	+ 0.35	- 1.86	+ 0.37	+ 0.03	+ 0.01	+ 3.81	- 1.00
5635	+ 0.29	- 0.28	- 0.34	+ 2.83	- 0.11	+ 0.63	- 0.42	- 0.50	- 0.12	+ 0.87
5636	+ 0.57	- 1.21	- 1.51	- 1.24	+ 1.22	- 0.48	+ 0.52	+ 0.64	- 1.85	- 0.30

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
3451	0.58	0.48	0.50	1.44	0.64	0.84	0.48	0.50	1.82	1.16	1.40	1.70	1.16	0.73	1.68	t
3450	1.12	0.64	0.66	3.16	1.38	1.34	0.50	0.51	3.51	1.98	1.04	0.61	1.77	1.22	1.51	t
5606	0.99	0.95	1.15	2.43	1.47	0.87	0.63	0.68	2.34	1.32	1.55	1.43	1.68	1.30	0.92	
3446	0.91	0.34	0.35	3.19	1.94	0.91	0.45	0.46	3.22	1.74	3.44	1.10	0.34	2.68	0.87	
3455	0.70	0.51	0.52	1.47	0.80	0.92	0.55	0.57	2.22	1.10	0.97	3.59	4.39	2.32	1.10	t
3960	0.76	0.51	0.54	1.92	1.12	0.98	0.59	0.62	3.57	1.78	0.60	1.16	1.11	1.16	0.42	t
5607	0.83	0.48	0.49	2.76	0.95	0.81	0.74	0.79	3.22	0.90	1.32	1.36	1.79	1.67	1.14	
5608	0.72	0.57	0.63	2.83	1.08	0.73	0.54	0.59	2.83	1.15	2.13	2.43	2.50	1.49	0.64	
3453	1.41	0.76	0.79	4.17	2.17	1.33	0.51	0.52	4.31	1.97	1.36	1.85	1.13	0.79	1.11	t
3454	0.54	0.77	0.98	1.19	0.65	0.60	0.51	0.57	1.61	0.73	2.04	2.13	2.21	0.77	1.49	t
5609	0.71	0.74	1.09	2.30	0.94	0.74	0.70	0.88	2.52	1.16	4.21	2.92		0.93	1.18	
5610	0.84	0.74	0.79	2.76	0.94	0.94	0.67	0.70	2.93	1.10	0.86	2.60		2.32	1.46	
5611	0.80	0.67	0.75	2.61	1.01	0.78	0.58	0.63	2.72	0.98	1.26	3.31		3.35	1.01	t
5614	0.81	0.92	1.11	2.30	0.97	0.83	0.67	0.73	2.62	1.04	0.78	1.07		0.83	1.08	t
5615	0.80	0.65	0.74	3.31	1.20	0.81	0.61	0.67	3.46	1.30	0.59	0.86		1.05	0.12	
5616	1.16	0.76	0.80	4.07	1.40	1.27	0.83	0.87	4.53	1.58	1.67	0.61		0.14	0.86	
3458	0.66	0.48	0.50	1.34	0.86	0.71	0.46	0.48	1.52	0.94	1.65	0.75	0.64	1.93	0.94	t
5617	0.77	0.89	1.14	2.26	0.95	0.76	0.66	0.75	2.42	0.99	0.64	1.65	1.09	1.04	0.86	
3460	0.65	0.56	0.59	1.18	0.81	0.72	0.53	0.55	1.41	0.89	1.72	0.77	0.76	1.78	0.50	t
3459	0.96	0.62	0.66	2.51	1.33	1.01	0.47	0.49	2.71	1.52	1.66	0.43	0.98	1.30	1.44	t
3467	0.84	0.46	0.47	1.78	1.06	1.20	0.54	0.55	3.22	1.78	0.12	1.24	1.30	0.74	0.63	
3463	0.62	0.44	0.45	1.31	0.72	0.64	0.54	0.56	1.52	0.75	2.61	1.65	0.91	1.89	1.48	t
3461	1.00	0.82	0.91	2.29	1.36	0.92	0.55	0.58	2.22	1.24	2.10	1.92	1.21	1.37	1.89	t
5618	0.83	0.60	0.65	2.82	1.12	0.85	0.63	0.68	2.83	1.17	2.14	2.41		1.59	2.64	
5619	0.83	0.84	1.20	2.81	1.19	0.74	0.67	0.85	2.62	1.26	0.32	1.81	0.57	0.81	0.93	t
3465	0.65	0.50	0.52	1.37	0.69	0.94	0.54	0.56	2.32	1.15	1.28	1.35	1.21	1.81	1.27	t
3991	1.23	0.55	0.56	4.15	2.17	1.24	0.57	0.59	4.33	2.16	1.87	1.30	2.27	1.72	1.94	
5621	0.92	0.92	1.04	2.68	1.11	0.88	0.74	0.80	2.82	1.06	2.38	3.05		1.78	0.93	
5622	1.03	0.96	1.12	2.80	1.41	1.01	0.72	0.78	2.74	1.45	4.24	2.44	2.31	3.04	1.49	t
5623	0.80	0.80	0.93	2.91	0.95	0.82	0.66	0.72	3.02	1.02	0.87	1.85	1.04	0.46	0.61	
5624	0.73	0.70	0.79	2.16	0.89	0.85	0.60	0.64	2.52	1.14	1.80	0.72	2.10	1.41	0.70	
5626	0.93	0.43	0.44	2.53	1.20	0.87	0.60	0.63	2.62	1.05	1.30	1.76		1.13	0.44	
5627	1.16	1.00	1.16	2.82	1.89	1.04	0.71	0.77	2.73	1.73	0.59	1.66	0.61	1.16	2.13	
5628	1.11	0.91	1.03	2.85	1.69	1.04	0.62	0.65	3.03	1.63	0.81	1.08	1.26	0.13	1.70	
3475	0.42	0.45	0.52	0.99	0.53	0.54	0.50	0.58	1.33	0.75	0.55	1.92	2.24	1.08	1.76	t
3472	0.86	0.48	0.50	2.36	1.22	0.94	0.61	0.65	2.51	1.40	2.48	1.88	0.45	2.56	0.98	t
3470	1.43	0.82	0.85	3.59	1.73	1.64	0.52	0.53	3.61	2.36	1.23	2.89	1.35	2.63	1.41	
5630	0.76	0.54	0.57	2.45	0.89	1.05	0.58	0.61	3.51	1.39	1.52	2.19	0.56	2.13	1.06	t
3471	0.89	0.92	1.16	2.04	1.23	0.81	0.70	0.81	2.01	1.13	1.13	0.86	1.62	1.55	0.83	t
3476	0.58	0.54	0.57	1.16	0.68	0.65	0.59	0.62	1.41	0.78	1.74	2.56	1.63	0.85	0.94	t
5631	0.57	0.52	0.60	3.43	1.04	0.61	0.55	0.61	4.02	1.30	1.73	0.30	0.38	1.59	0.70	
5632	0.74	0.69	0.77	2.45	0.89	0.84	0.59	0.64	2.72	1.11	1.94	1.33		1.42	1.13	
3473	1.32	0.81	0.85	4.96	2.48	1.23	0.55	0.57	4.81	2.29	0.59	3.08	1.63	1.91	0.56	
3477	0.61	0.67	0.71	1.22	0.68	0.65	0.54	0.56	1.42	0.73	0.19	1.75	0.99	0.98	0.52	t
5633	1.13	0.89	0.99	3.27	1.91	1.05	0.68	0.72	3.34	1.77	0.45	1.17	1.05	1.02	0.40	
5634	0.93	0.63	0.67	3.62	1.29	1.02	0.62	0.66	4.11	1.54	0.78	1.43		1.07	0.42	t
3478	0.77	0.84	1.04	1.59	1.06	0.75	0.58	0.64	1.81	1.05	1.37	1.44	0.65	1.42	0.26	t
3481	0.70	0.46	0.47	1.25	0.89	1.01	0.58	0.60	2.12	1.41	1.73	2.36	0.78	2.38	0.83	t
5635	0.76	0.81	0.86	2.01	0.82	0.79	0.65	0.67	2.42	0.85	1.46	1.29	1.17	1.41	0.83	
5636	0.82	1.01	1.08	1.94	0.91	0.88	0.68	0.70	2.13	0.98	1.11	2.00	1.12	1.33	1.81	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5637	91292	FX		18 37 15.660 473	- 40 48 13.110 83	- 15.83	- 29.09
5638	91311	FX		18 37 31.742 783	+ 35 39 35.187 32	- 3.79	- 6.16
3484	91315	BX		18 37 33.504 118	+ 62 31 35.723 60	- 5.61	+ 52.25
5639	91342	FX		18 37 51.108 565	- 6 47 48.495 02	+ 5.28	+ 3.18
3479	91343	BX		18 37 51.567 903	- 17 13 52.624 32	+ 0.74	- 1.45
3482	91461	BX		18 39 14.292 677	- 47 54 35.168 89	+ 24.90	+ 14.13
3485	91499	RS		18 39 36.877 057	+ 5 15 51.434 30	+ 2.14	+ 2.24
5640	91610	FX		18 40 59.697 493	+ 41 55 1.903 83	+ 5.39	+ 12.32
5641	91612	FX		18 41 0.423 839	- 30 31 44.670 47	- 11.68	- 35.31
5642	91667	FX		18 41 36.299 606	- 17 59 16.008 74	- 0.45	- 2.45
3487	91675	BX		18 41 41.311 382	+ 31 37 3.404 99	+ 8.13	+ 6.47
3486	91689	BX	26 Sgr	18 41 51.629 801	- 23 50 0.318 66	+ 30.61	- 27.67
5643	91744	FX		18 42 30.004 907	- 70 18 11.392 08	- 0.92	- 17.73
5644	91774	FX		18 42 50.005 437	+ 36 57 30.888 61	+ 6.32	+ 0.63
5646	91950	FX		18 44 35.356 123	+ 64 48 36.245 88	+ 38.37	+ 75.67
3489	92024	BX		18 45 26.900 906	- 64 52 16.534 06	+ 32.55	- 148.84
5647	92058	FX		18 45 48.006 913	- 67 51 2.323 30	+ 2.40	- 7.67
5648	92093	FX		18 46 8.482 925	+ 40 16 47.315 22	+ 8.72	- 12.30
3493	92098	RS		18 46 13.008 996	+ 41 26 30.519 79	+ 0.34	+ 0.14
3488	92103	RS		18 46 15.693 448	- 72 48 48.825 50	- 53.72	- 78.74
5649	92132	FX		18 46 41.644 482	+ 44 41 6.454 42	- 8.18	- 27.67
3492	92226	RS	μ Dra	18 47 44.618 838	- 40 24 22.200 05	+ 25.18	- 18.52
5650	92240	FX		18 47 55.444 296	- 23 15 25.641 84	+ 0.55	+ 3.67
3494	92254	BX		18 48 2.665 368	+ 4 14 29.120 00	- 5.03	+ 14.35
3497	92269	RS		18 48 16.074 245	+ 48 46 3.203 31	- 18.98	+ 48.74
5652	92297	FX		18 48 39.533 516	+ 19 48 33.647 61	+ 2.88	- 9.03
3495	92367	RS		18 49 27.344 063	- 45 48 36.361 84	+ 74.65	+ 57.17
3498	92456	BX		18 50 31.170 265	- 13 34 20.140 27	- 4.81	- 7.59
5657	92494	FX		18 51 0.939 613	+ 0 14 46.786 35	+ 3.70	- 0.53
5659	92509	FX		18 51 9.672 710	- 83 33 46.924 34	- 2.32	+ 0.37
3500	92524	BX	8 Aql	18 51 22.157 950	- 3 19 4.284 87	+ 1.28	- 21.45
5660	92530	FX		18 51 23.922 464	- 51 31 12.776 44	+ 3.53	- 26.48
5661	92575	FX		18 51 51.532 966	+ 54 54 20.272 18	+ 5.18	+ 0.70
5662	92577	FX		18 51 52.406 254	+ 50 58 4.007 40	- 3.52	+ 3.49
5663	92579	FX		18 51 54.106 750	+ 31 23 38.747 04	- 1.02	- 1.58
3992	92586	RS		18 51 58.045 816	- 83 18 58.869 90	+ 1.57	- 17.95
3499	92646	RS	κ Tel	18 52 39.643 492	- 52 6 26.537 69	+ 39.31	- 96.26
3502	92649	RS		18 52 41.687 221	- 30 44 2.621 97	- 1.04	- 17.56
5664	92654	FX		18 52 49.558 475	- 4 45 48.416 94	+ 2.68	- 5.46
5665	92729	FX		18 53 44.696 980	+ 60 1 4.343 46	+ 1.84	- 1.81
3961	92738	BX		18 53 53.877 122	+ 82 22 12.096 86	+ 19.13	+ 21.81
5666	92760	FX		18 54 9.146 653	- 47 15 47.446 65	+ 21.34	- 21.04
3507	92779	RS		18 54 21.928 233	+ 10 48 30.002 77	+ 11.79	+ 8.57
5667	92785	FX		18 54 28.202 333	+ 20 21 35.652 22	+ 13.21	+ 9.69
3504	92902	RS		18 55 45.701 016	- 56 25 24.148 04	+ 8.84	- 0.42
3496	92928	RS		18 56 0.021 338	- 80 43 40.386 28	+ 9.29	- 8.37
5668	92940	FX		18 56 8.637 974	- 29 28 35.945 02	- 0.73	+ 2.63
3510	92963	RS		18 56 22.659 431	- 1 47 59.508 45	- 3.64	- 19.78
3514	92969	RS		18 56 25.717 567	+ 65 15 29.100 45	- 16.59	- 29.00
3513	92997	RS	48 Dra	18 56 45.048 520	+ 57 48 53.448 85	- 28.22	- 61.06

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5637	91.31	0.79	0.67	91.68	0.47	0.47	2.66	0.87	H		6.96	2	31		
5638	91.36	0.69	0.72	91.30	0.71	0.78	5.36	0.92	H		8.76		11	1	3
3484	91.21	0.51	0.40	91.08	0.41	0.42	7.66	0.47	H	- 10.5	5.74		29	2	
5639	91.34	0.88	0.71	91.53	0.60	0.66	1.12	0.99	H		7.95	2	13		
3479	91.31	0.83	0.54	91.46	0.58	0.51	2.70	0.37	P	- 4.7	6.78		11	1	3
3482	91.29	0.64	0.75	91.50	0.50	0.59	9.91	0.79	H	- 9.	5.84		28	2	
3485	91.47	0.66	0.60	91.38	0.45	0.54	1.38	0.32	P	- 17.1	6.36		19	1	1
5640	91.22	0.51	0.47	91.15	0.55	0.50	4.79	0.62	H	- 11.3	7.72		11	1	3
5641	91.07	1.00	0.93	91.52	0.52	0.73	4.74	1.04	H		7.70		31		
5642	91.42	1.10	0.74	91.57	0.70	0.65	2.44	0.56	P		8.62		11	1	3
3487	91.19	0.44	0.39	91.06	0.45	0.42	2.95	0.64	H	- 16.3	6.41		31		
3486	91.04	0.95	0.56	91.53	0.41	0.46	15.71	1.02	H	+ 0.7	6.22		19	1	1
5643	91.10	0.33	0.36	91.46	0.50	0.52	5.11	0.70	H		7.25		35		
5644	91.22	0.61	0.57	91.18	0.61	0.68	.73	0.76	H	- 5.	7.97	2	13		
5646	91.13	0.50	0.49	91.20	0.51	0.50	5.04	0.52	H	+ 46.1	7.28		11	1	3
3489	91.46	0.46	0.44	91.58	0.44	0.39	34.21	0.68	H	+ 2.0	4.78		15	1	3
5647	91.59	0.59	0.57	91.29	0.68	0.69	6.01	1.05	H		8.60		11	1	3
5648	91.16	0.66	0.58	91.33	0.70	0.66	2.20	0.82	H		8.65		11	1	3
3493	91.23	0.44	0.40	91.16	0.45	0.48	2.67	0.53	H	- 19.1	6.06		21	2	
3488	91.12	0.40	0.41	91.42	0.49	0.55	15.01	0.68	H		6.84		21	2	
5649	91.45	0.76	0.65	91.22	0.76	0.69	1.03	0.88	H	- 4.1	9.46		11	1	3
3492	91.24	0.68	0.69	91.49	0.40	0.48	8.30	0.78	H	- 18.2	5.20	1	19	1	1
5650	91.11	1.27	0.71	91.56	0.57	0.63	6.29	1.36	H		9.10		11	1	3
3494	91.46	0.59	0.53	91.42	0.49	0.49	3.68	0.76	H	- 1.6	6.20		11	1	3
3497	91.31	0.46	0.48	91.34	0.46	0.54	17.81	0.51	H	- 29.5	6.12		31		
5652	90.98	0.49	0.63	91.23	0.56	0.66	.89	0.88	H		8.06		11	1	3
3495	91.36	0.68	0.79	91.61	0.45	0.56	7.59	0.79	H	+ 9.7	5.80		11	1	3
3498	91.13	0.78	0.49	91.45	0.44	0.44	1.99	0.85	H		6.48		11	1	3
5657	91.57	0.98	0.64	91.63	0.71	0.65	4.11	1.12	H		8.85		21	2	
5659	91.04	0.53	0.60	91.18	0.59	0.71	5.46	0.70	H		7.66		11	1	3
3500	91.58	0.62	0.43	91.69	0.41	0.37	11.80	0.78	H	+ 11.8	6.08		39		
5660	91.30	0.77	0.84	91.52	0.58	0.61	2.65	0.90	H		7.42		11	1	3
5661	91.05	0.69	0.56	91.24	0.65	0.58	2.30	0.74	H		8.83		31		
5662	91.16	0.81	0.72	91.21	0.88	0.74	2.45	0.94	H		9.23		11	1	3
5663	90.93	0.57	0.62	90.91	0.58	0.68	3.09	0.79	H		8.11		31		
3992	91.05	0.50	0.57	91.26	0.52	0.64	3.02	0.64	H	+ 10.9	7.17		18		
3499	91.26	0.63	0.73	91.52	0.46	0.52	11.13	0.72	H	- 44.3	5.18		31		
3502	91.10	0.87	0.95	91.56	0.47	0.56	5.97	0.87	H	- 50.	6.64	2	17		
5664	91.19	1.18	0.77	91.40	0.80	0.77	1.78	1.40	H		9.20		11	1	3
5665	91.07	0.46	0.42	91.22	0.45	0.48	1.31	0.48	H	- 20.	7.05		11	1	3
3961	91.26	0.50	0.42	91.29	0.50	0.50	6.40	0.55	H		6.89		11	1	3
5666	91.30	0.74	0.78	91.55	0.48	0.57	4.25	0.92	H		7.31		15	1	3
3507	91.41	0.74	0.61	91.62	0.49	0.53	2.56	0.87	H	- 48.6	6.54		13		
5667	91.10	0.49	0.52	91.32	0.53	0.53	3.24	0.84	H		7.18		11	1	3
3504	90.93	0.65	0.72	91.44	0.51	0.54	2.96	0.85	H		6.77		11	1	3
3496	91.20	0.44	0.47	91.31	0.55	0.71	3.94	0.64	H	+ 8.6	6.57		31		
5668	91.12	0.87	0.71	91.60	0.46	0.51	10.06	0.94	H		7.28		31		
3510	91.56	0.58	0.48	91.65	0.37	0.39	6.21	0.73	H	- 26.	6.20		39		
3514	91.15	0.45	0.39	91.24	0.41	0.43	10.39	0.44	H	- 4.6	5.62		29	2	
3513	91.27	0.47	0.43	91.27	0.42	0.44	11.40	0.47	H	- 34.0	5.67		29	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5637	- 0.66	+ 0.64	+ 1.69	- 1.21	- 1.96	+ 0.75	- 0.32	- 0.70	+ 4.30	+ 0.95
5638	+ 0.38	- 0.17	- 0.35	- 6.12	+ 1.66	+ 0.02	- 0.02	- 0.05	+ 1.63	- 0.07
3484	+ 2.81	- 2.32	- 2.79	+ 1.77	+ 4.01	- 1.60	+ 0.25	+ 0.31	- 1.86	- 2.03
5639	- 0.05	+ 0.01	+ 0.03	+ 3.45	- 1.34	+ 0.16	- 0.06	- 0.34	- 1.58	+ 1.66
3479	- 0.21	+ 0.80	+ 1.99	+ 0.31	- 0.89	- 0.01	- 0.12	- 0.38	+ 0.11	+ 0.02
3482	- 1.15	+ 0.92	+ 1.49	+ 2.08	- 3.61	- 0.78	+ 0.46	+ 0.72	+ 2.34	- 2.42
3485	+ 0.21	- 0.09	- 0.40	+ 1.45	+ 0.81	+ 0.15	- 0.04	- 0.22	- 1.75	+ 2.01
5640	- 0.23	+ 0.08	+ 0.13	- 1.45	- 0.15	- 0.14	+ 0.07	+ 0.11	+ 1.63	- 0.53
5641	+ 0.77	- 0.74	- 2.03	+ 5.85	+ 1.25	+ 0.88	- 0.21	- 0.47	+ 2.71	+ 1.95
5642	+ 0.14	- 0.35	- 1.26	+ 0.48	+ 0.53	+ 0.04	+ 0.00	+ 0.04	- 0.65	+ 0.22
3487	- 0.14	+ 0.11	+ 0.17	- 0.81	+ 0.05	+ 0.15	- 0.10	- 0.16	+ 1.37	- 0.17
3486	+ 0.05	+ 0.09	+ 0.16	- 1.23	+ 0.60	+ 0.66	- 0.31	- 0.38	+ 2.27	+ 0.32
5643	- 0.19	+ 0.01	+ 0.03	- 3.14	+ 0.34	+ 0.20	- 0.02	- 0.05	- 7.66	+ 3.16
5644	- 0.05	+ 0.02	+ 0.14	+ 1.92	- 0.59	+ 0.07	- 0.05	- 0.35	- 0.87	+ 0.75
5646	+ 0.44	- 0.11	- 0.20	- 2.63	+ 1.31	+ 0.41	- 0.08	- 0.16	- 0.29	+ 1.00
3489	- 0.36	+ 0.10	+ 0.12	- 2.86	+ 0.72	- 0.27	+ 0.11	+ 0.12	+ 0.33	- 0.55
5647	+ 0.02	- 0.04	- 0.10	- 3.65	+ 0.90	- 1.20	+ 0.28	+ 0.64	- 0.71	- 3.20
5648	- 0.13	+ 0.08	+ 0.25	+ 2.71	- 0.83	- 0.49	+ 0.31	+ 0.94	- 3.84	- 1.21
3493	- 0.94	+ 0.39	+ 0.64	- 0.80	- 1.94	+ 0.83	- 0.10	- 0.28	- 1.91	+ 3.63
3488	- 3.94	+ 0.15	+ 0.31	-12.98	- 7.02	+ 4.51	- 0.39	- 0.71	+ 9.01	+ 8.30
5649	+ 0.25	- 0.23	- 1.13	+ 0.76	+ 1.31	- 0.02	+ 0.01	+ 0.00	+ 5.75	- 0.86
3492	+ 0.94	- 0.30	- 0.54	+ 4.41	+ 0.75	+ 0.43	- 0.03	- 0.05	+ 3.26	- 0.22
5650	- 0.56	+ 1.17	+ 2.23	- 3.06	- 0.67	- 0.74	+ 0.29	+ 0.42	- 1.43	- 1.12
3494	- 0.07	+ 0.05	+ 0.09	+ 1.05	- 0.60	+ 0.09	- 0.04	- 0.07	- 0.90	+ 0.62
3497	- 1.69	+ 0.45	+ 0.54	- 1.35	- 2.35	+ 0.94	- 0.01	- 0.04	- 0.77	+ 1.87
5652	- 0.27	+ 0.08	+ 0.57	- 3.64	- 1.59	+ 0.13	- 0.04	- 0.34	- 5.50	+ 1.93
3495	- 0.42	+ 0.11	+ 0.25	+ 1.04	- 1.57	- 0.65	+ 0.05	+ 0.14	- 4.23	- 0.94
3498	+ 0.24	- 0.28	- 0.60	+ 1.62	+ 0.16	+ 0.47	- 0.21	- 0.43	+ 1.88	+ 0.72
5657	+ 0.44	- 0.91	- 2.09	+ 6.52	+ 0.14	+ 0.71	- 0.74	- 1.68	+ 5.53	+ 0.90
5659	- 0.04	- 0.02	- 0.05	- 3.75	+ 0.87	- 0.98	+ 0.16	+ 0.46	- 6.11	- 1.95
3500	+ 0.33	- 0.58	- 0.68	- 2.46	+ 1.29	+ 0.21	+ 0.13	+ 0.16	- 0.21	+ 0.30
5660	+ 0.32	- 0.16	- 0.65	+ 2.52	+ 1.09	- 0.32	+ 0.08	+ 0.30	+ 4.01	- 2.33
5661	+ 0.83	- 0.66	- 1.59	+ 4.38	+ 1.77	+ 0.26	- 0.31	- 0.84	+ 0.39	+ 0.86
5662	- 0.04	+ 0.00	- 0.01	- 4.09	+ 0.44	+ 0.17	- 0.18	- 0.57	- 3.06	+ 1.04
5663	+ 1.22	- 0.62	- 1.45	+ 2.35	+ 2.96	- 0.07	+ 0.12	+ 0.34	- 1.87	+ 0.02
3992	- 0.52	+ 0.05	+ 0.22	- 1.86	- 2.58	+ 0.22	- 0.04	- 0.15	- 4.83	+ 2.29
3499	+ 0.88	- 0.55	- 0.88	+ 1.48	+ 1.49	- 1.39	+ 0.37	+ 0.57	- 5.37	- 0.91
3502	- 0.30	+ 0.12	+ 0.31	- 3.02	- 0.47	- 0.30	- 0.01	- 0.02	- 4.55	+ 0.03
5664	+ 0.21	- 0.52	- 2.47	+ 1.30	+ 0.98	+ 0.07	- 0.05	- 0.15	+ 1.49	+ 0.05
5665	- 0.01	- 0.02	- 0.08	- 2.17	+ 0.24	+ 0.42	- 0.14	- 0.45	+ 1.59	+ 1.39
3961	+ 0.39	- 0.40	- 0.52	+ 0.37	+ 0.55	+ 0.41	- 0.25	- 0.36	- 2.84	+ 1.40
5666	- 0.57	+ 0.16	+ 0.49	- 4.89	- 0.87	- 0.06	+ 0.00	+ 0.01	+ 3.11	- 0.87
3507	- 0.17	+ 0.08	+ 0.21	+ 2.68	- 1.19	+ 0.01	- 0.01	- 0.03	- 2.15	+ 0.65
5667	+ 0.49	- 0.22	- 0.42	+ 1.24	+ 0.90	+ 0.15	- 0.02	- 0.04	+ 3.07	- 0.14
3504	+ 0.16	- 0.04	- 0.16	+ 1.31	+ 0.50	+ 0.28	- 0.03	- 0.12	+ 0.87	+ 1.48
3496	+ 0.44	- 0.03	- 0.10	+ 0.38	+ 1.87	- 0.06	+ 0.01	+ 0.05	- 6.60	+ 1.48
5668	- 0.52	+ 0.88	+ 1.40	- 4.69	- 0.07	+ 2.22	- 0.85	- 1.20	+ 3.19	+ 3.04
3510	- 1.57	+ 0.49	+ 0.71	- 2.90	- 2.17	- 1.34	+ 0.02	+ 0.07	- 3.84	- 1.95
3514	- 2.00	+ 0.66	+ 0.80	-10.12	- 0.12	- 0.15	+ 0.04	+ 0.06	- 4.00	+ 0.54
3513	- 1.59	+ 1.55	+ 1.85	- 0.97	- 2.37	- 3.09	+ 1.36	+ 1.67	- 2.63	- 4.40

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
5637	0.80	0.77	0.91	2.10	1.10	0.73	0.51	0.55	2.14	1.02	2.57	2.87	0.42	1.45	1.21	
5638	1.06	0.78	0.85	4.17	1.41	1.17	0.82	0.89	5.42	1.66	1.22	1.39		1.79	1.95	
3484	0.61	0.53	0.55	1.36	0.67	0.72	0.49	0.51	1.53	0.88	3.41	8.31	4.92	1.48	3.02	t
5639	0.81	0.75	0.91	2.43	1.33	0.80	0.69	0.79	2.62	1.43	1.54	1.40		2.04	0.16	t
3479	0.58	0.83	1.14	1.19	0.72	0.59	0.68	0.82	1.42	0.73	1.04	2.14	1.16	0.87	0.77	
3482	1.08	0.89	0.97	2.34	1.43	1.04	0.66	0.69	2.42	1.34	0.68	3.51	0.24	2.70	0.33	t
3485	0.78	0.63	0.71	2.56	1.31	0.81	0.54	0.58	2.81	1.78	0.88	1.41	1.39	1.15	0.61	t 3017
5640	0.80	0.51	0.54	2.28	1.02	0.81	0.56	0.59	2.63	1.03	0.88	0.59	0.13	0.93	0.57	
5641	1.09	1.09	1.33	3.00	1.46	1.10	0.77	0.84	3.12	1.69	2.61	2.15	0.96	1.40	0.92	
5642	0.79	0.96	1.38	2.04	0.98	0.76	0.77	0.93	2.32	0.99	1.08	0.75		0.35	0.74	
3487	0.53	0.49	0.53	1.06	0.69	0.59	0.51	0.55	1.32	0.77	1.35	0.14	2.74	1.22	1.68	t
3486	0.68	0.97	1.07	1.27	0.79	0.79	0.59	0.62	1.71	0.91	1.60	0.81	0.67	1.58	0.83	t
5643	1.20	0.37	0.37	3.90	2.33	1.19	0.53	0.54	3.84	2.15	2.12	1.46	0.84	2.58	1.08	t
5644	0.67	0.59	0.69	2.92	1.10	0.75	0.71	0.86	3.23	1.18	0.93	0.61		0.93	1.13	t
5646	0.91	0.53	0.55	3.11	1.20	0.99	0.52	0.54	3.44	1.39	0.77	1.37	1.36	1.23	1.97	
3489	0.88	0.50	0.51	1.64	1.04	0.82	0.44	0.45	1.63	0.94	1.74	0.84	1.46	1.90	0.61	t
5647	1.18	0.59	0.61	3.90	1.80	1.18	0.73	0.77	3.85	1.76	2.06	0.96		1.21	2.08	
5648	0.81	0.62	0.68	3.24	1.18	0.82	0.72	0.84	3.42	1.11	1.71	1.55		1.26	0.71	
3493	0.63	0.45	0.48	1.39	0.87	0.85	0.49	0.52	2.32	1.43	1.19	3.70	1.08	2.15	1.81	t
3488	1.68	0.42	0.42	4.67	2.81	1.55	0.56	0.57	4.32	2.28	3.61	4.62	6.95	1.10	4.57	
5649	0.72	0.71	0.90	2.83	1.00	0.76	0.76	0.98	2.93	1.05	1.94	1.96		2.13	1.00	
3492	1.14	0.75	0.80	2.76	1.58	1.13	0.50	0.51	2.71	1.60	2.11	0.73	1.03	1.60	1.66	t
5650	0.79	1.05	1.29	2.12	0.92	0.90	0.73	0.80	2.32	1.15	2.23	2.28		1.04	0.42	
3494	0.76	0.61	0.66	1.68	1.04	0.80	0.53	0.56	1.81	1.17	0.68	0.76	0.46	1.09	0.41	
3497	1.04	0.53	0.54	2.70	1.13	1.30	0.58	0.59	3.31	1.63	0.72	2.59	0.95	0.79	0.21	t
5652	0.77	0.64	0.72	3.70	1.40	0.79	0.68	0.76	3.81	1.45	1.93	1.74		1.89	0.69	
3495	1.36	0.82	0.87	4.31	2.07	1.40	0.57	0.58	4.41	2.41	1.00	0.92	1.30	0.85	2.23	t
3498	0.58	0.62	0.75	1.34	0.75	0.63	0.49	0.54	1.72	0.86	1.94	1.36	1.29	1.12	0.93	
5657	0.76	0.85	1.04	2.30	0.90	0.87	0.75	0.87	2.62	1.13	2.22	4.19		3.05	0.69	
5659	1.24	0.61	0.63	4.29	2.16	1.26	0.73	0.77	4.09	2.15	1.80	1.13	1.24	1.32	0.79	
3500	0.58	0.65	0.69	1.24	0.63	0.65	0.48	0.50	1.61	0.70	1.29	2.20	0.75	2.71	0.44	t
5660	1.06	0.89	1.01	3.59	1.72	0.97	0.63	0.67	3.63	1.69	1.32	1.66	0.78	1.62	2.03	
5661	0.70	0.64	0.74	3.07	0.89	0.76	0.65	0.74	3.53	1.00	3.10	1.92		0.83	0.85	
5662	0.86	0.81	0.97	3.17	1.15	0.85	0.86	1.08	2.93	1.10	1.07	1.46		1.88	0.53	
5663	0.84	0.68	0.76	2.85	1.16	0.87	0.76	0.87	2.92	1.17	3.20	1.47		0.63	2.21	
3992	1.07	0.57	0.59	4.40	2.29	1.09	0.65	0.68	4.53	2.13	1.13	1.60	0.92	1.43	0.23	t
3499	1.14	0.83	0.88	2.33	1.58	1.11	0.56	0.58	2.52	1.46	2.47	1.57	3.41	1.53	1.01	
3502	1.29	1.03	1.15	4.65	1.84	1.27	0.58	0.61	4.70	2.09	1.19	0.36	1.05	1.03	0.11	t
5664	0.80	0.94	1.42	2.44	0.98	0.88	0.84	1.03	2.82	1.26	2.01	1.45		0.48	1.38	
5665	0.58	0.45	0.50	2.39	0.80	0.67	0.50	0.55	2.94	1.04	1.10	1.59	2.18	0.96	1.19	
3961	0.58	0.55	0.58	1.25	0.68	0.81	0.57	0.60	2.15	1.00	1.30	1.87	1.25	1.79	0.50	
5666	1.15	0.82	0.89	3.59	1.86	1.06	0.59	0.62	3.63	1.68	1.68	0.82	1.54	1.41	0.86	t
3507	0.86	0.65	0.72	2.82	1.28	0.93	0.54	0.57	3.31	1.68	1.06	1.02	1.06	1.46	0.90	t
5667	0.76	0.58	0.63	2.71	0.98	0.85	0.56	0.60	3.02	1.21	1.18	1.13	0.84	1.00	0.91	
3504	1.09	0.74	0.79	3.67	2.07	1.06	0.54	0.56	4.11	2.35	0.46	0.72	1.46	0.23	0.67	
3496	1.12	0.48	0.49	4.10	2.20	1.16	0.73	0.77	4.02	2.06	1.63	1.09	2.89	1.82	0.53	
5668	0.92	0.93	1.03	2.38	1.09	0.93	0.58	0.60	2.43	1.12	2.90	3.40	2.07	1.76	1.49	
3510	0.86	0.53	0.55	1.97	1.10	1.08	0.40	0.41	2.81	1.64	2.25	2.65	1.30	0.66	0.49	t
3514	0.75	0.45	0.46	1.67	0.85	1.09	0.45	0.46	3.12	1.39	6.42	1.01	2.28	5.49	1.09	t
3513	0.66	0.55	0.57	1.26	0.76	0.82	0.50	0.51	1.73	0.99	3.10	6.85	8.28	1.30	2.08	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5669	92999	FX		18 56 45.755644	- 35 18 0.87294	+ 6.67	- 7.38
3505	93015	BX	κ Pav	18 56 57.029130	- 67 14 0.58116	- 7.64	+ 16.60
5670	93056	FX		18 57 17.910572	- 44 18 4.91331	- 3.96	- 18.80
5671	93082	FX		18 57 41.508279	- 85 33 55.19155	- 4.16	- 23.66
5672	93095	FX		18 57 55.049595	+ 68 30 20.42943	- 2.31	- 10.87
3511	93163	BX	ω Pav	18 58 36.448198	- 60 12 1.97830	- 124.82	+ 32.53
5674	93164	FX		18 58 37.014074	- 14 46 7.16423	+ 7.16	- 29.71
3517	93187	RS		18 58 52.628113	+ 69 31 52.64916	+ 5.12	+ 11.55
5675	93219	FX		18 59 18.369698	- 1 22 3.38309	+ 0.92	- 3.37
3515	93299	BX		19 0 13.677216	+ 50 32 0.47826	+ 6.87	+ 3.02
3518	93393	RS		19 1 17.356787	+ 26 17 29.08002	- 0.58	- 9.14
5676	93406	FX		19 1 24.551057	+ 7 16 46.04156	- 19.68	- 7.98
3521	93523	BX		19 2 52.621272	+ 19 39 39.64401	+ 6.79	- 0.84
3519	93542	RS	ζ CrA	19 3 6.876897	- 42 5 42.37774	+ 56.35	- 45.48
3516	93547	RS		19 3 12.230532	- 56 59 48.00314	+ 7.69	- 155.58
5677	93553	FX		19 3 17.871103	+ 25 49 34.01812	- 0.67	- 2.18
5678	93631	FX		19 4 1.666539	+ 40 6 58.39258	- 21.12	- 25.20
5679	93634	FX		19 4 3.351154	+ 30 10 3.78802	- 4.04	- 0.96
5680	93673	FX		19 4 33.025947	+ 45 55 17.99461	+ 15.63	+ 15.30
3523	93862	BX		19 6 55.606536	- 48 17 56.91806	+ 12.80	- 12.04
5682	94009	FX		19 8 24.464114	+ 13 5 52.71308	+ 1.61	- 10.28
3530	94068	BX	19 Aql	19 8 59.911771	+ 6 4 23.54802	- 9.70	- 77.91
3536	94083	BX	59 Dra	19 9 9.878680	+ 76 33 37.80942	+ 51.88	- 119.61
5683	94096	FX		19 9 17.521750	+ 35 11 6.00428	- 1.27	- 13.18
5684	94097	FX		19 9 18.018277	+ 32 52 8.08665	- 7.59	- 21.72
5686	94115	FX		19 9 30.837629	- 22 22 38.81242	- 9.46	- 0.24
3528	94124	RS		19 9 36.363275	- 36 9 53.30859	- 7.67	- 12.34
3531	94140	BX	55 Dra	19 9 45.807056	+ 65 58 42.64673	+ 3.95	+ 28.59
3524	94168	RS		19 10 8.265594	- 71 32 54.70018	- 1.57	+ 9.41
5687	94261	FX		19 11 11.941473	- 28 32 2.89525	- 0.62	- 8.25
5688	94267	FX		19 11 15.732064	+ 86 4 45.16518	+ 40.36	+ 1.27
5689	94278	FX		19 11 21.936823	- 56 18 24.17962	+ 4.81	+ 0.34
3535	94302	BX	53 Dra	19 11 40.568094	+ 56 51 33.16267	+ 44.17	+ 47.70
3532	94311	BX	19 Lyr	19 11 46.008661	+ 31 17 0.44312	- 3.52	- 2.95
5690	94410	FX		19 12 54.330639	- 59 41 19.35726	+ 22.79	+ 38.12
3527	94428	RS		19 13 9.147400	- 77 51 50.61247	+ 6.19	+ 11.50
3533	94434	BX		19 13 13.668132	- 25 54 24.42791	- 2.40	- 8.91
3534	94437	RS		19 13 15.522760	- 12 16 57.29878	+ 11.55	- 30.14
5691	94482	FX		19 13 47.725003	- 1 50 6.58394	- 2.80	- 5.89
5692	94532	FX		19 14 21.511011	- 77 2 52.39090	+ 1.77	+ 15.07
5694	94637	FX		19 15 26.275526	- 19 47 13.12350	+ 6.00	- 28.69
3539	94705	BX		19 16 13.503503	- 30 27 34.50086	+ 15.86	- 6.49
5695	94708	FX		19 16 16.663475	- 8 41 24.25853	+ 11.51	- 1.31
3541	94755	RS		19 16 51.386224	+ 46 59 56.76831	- 9.95	+ 291.75
3538	94770	RS		19 17 0.520323	- 65 13 39.73102	- 4.07	- 24.27
5696	94804	FX		19 17 25.834417	- 51 29 48.52288	+ 4.82	- 13.84
5697	94807	FX		19 17 28.140585	- 14 30 4.96403	+ 1.00	- 5.73
5698	94880	FX		19 18 30.121663	+ 50 13 39.42765	- 4.98	- 3.31
3543	94923	BX		19 18 58.113279	+ 40 21 37.64806	+ 7.29	+ 7.63
5699	94947	FX		19 19 16.130242	+ 23 18 14.78186	+ 1.12	- 6.90

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5669	91.22	1.31	1.40	91.58	0.66	0.95	2.09	0.48	P		8.85		11	1	3
3505	91.68	0.37	0.37	91.62	0.42	0.39	6.00	0.67	H	+ 37.8	4.40	3	38		
5670	91.27	0.86	0.84	91.53	0.52	0.61	4.39	0.98	H		7.54		11	1	3
5671	91.28	0.57	0.54	91.17	0.69	0.72	2.17	0.50	P		8.01	2	15	1	3
5672	91.24	0.63	0.63	91.21	0.58	0.63	4.38	0.64	H		8.37		31		
3511	90.97	0.57	0.64	91.46	0.46	0.44	6.32	0.76	H	+180.0	5.14	1	11	1	3
5674	91.10	1.07	0.99	91.39	0.66	0.70	5.13	1.14	H		8.65		11	1	3
3517	91.22	0.50	0.44	91.20	0.41	0.44	5.19	0.47	H	- 14.9	6.52	1	31		
5675	91.52	0.83	0.74	91.51	0.62	0.69	.90	0.12	P		8.47		15	1	3
3515	91.17	0.45	0.44	91.30	0.53	0.68	5.23	0.53	H	- 20.5	5.39		19	1	1
3518	91.22	0.33	0.36	91.19	0.42	0.49	4.68	0.58	H	- 20.4	5.69		19	1	1
5676	91.42	1.01	0.86	91.60	0.80	0.77	8.36	1.33	H		8.91		11	1	3
3521	91.11	0.49	0.42	91.28	0.48	0.42	2.12	0.76	H	- 7.0	6.11		31		
3519	91.49	0.73	0.80	91.68	0.43	0.56	17.75	0.86	H	- 13.	4.74		11	1	3
3516	91.02	0.70	0.78	91.53	0.52	0.59	21.34	0.89	H	- 29.5	7.07		31		
5677	91.07	0.35	0.38	91.06	0.48	0.59	2.05	0.67	H	- 23.9	6.97		11	1	3
5678	91.10	0.53	0.51	91.27	0.59	0.57	1.48	0.68	H		7.66	2	11	1	3
5679	90.91	0.72	0.71	91.23	0.94	0.80	4.37	1.17	H		9.35		15	1	3
5680	91.20	0.54	0.51	91.19	0.54	0.56	5.72	0.62	H	- 9.5	7.16		11	1	3
3523	91.35	0.61	0.69	91.57	0.40	0.48	9.33	0.73	H	- 6.2	5.95		11	1	3
5682	91.54	0.64	0.58	91.67	0.51	0.52	2.86	0.78	H	- 7.	7.26		11	1	1
3530	91.46	0.65	0.41	91.57	0.44	0.39	22.96	0.79	H	- 46.7	5.23		19	1	1
3536	91.40	0.49	0.50	91.44	0.42	0.42	36.64	0.49	H	- 3.9	5.11		38		
5683	91.28	0.66	0.61	91.21	0.67	0.66	1.80	0.86	H		8.72		31		
5684	91.02	0.50	0.50	91.18	0.56	0.64	3.17	0.74	H		7.59		11	1	3
5686	91.25	1.07	0.67	91.52	0.53	0.59	4.28	1.10	H		8.61		31		
3528	91.05	0.84	0.93	91.46	0.44	0.59	3.56	0.88	H	- 12.9	6.54		18		
3531	91.63	0.41	0.31	91.18	0.43	0.42	10.15	0.47	H	- 23.2	6.26		11	1	3
3524	91.08	0.35	0.42	91.16	0.50	0.53	8.03	0.69	H		6.64		11	1	3
5687	91.01	1.60	0.77	91.52	0.50	0.61	2.89	0.66	P		8.56		31		
5688	91.27	0.69	0.65	91.38	0.66	0.67	4.69	0.78	H		8.68		11	1	3
5689	90.98	0.76	0.69	91.67	0.59	0.57	2.52	1.02	H		7.40		15	1	3
3535	91.09	0.43	0.37	91.13	0.44	0.47	9.57	0.47	H	- 15.8	5.13		21	2	
3532	91.20	0.38	0.35	91.16	0.44	0.40	3.33	0.55	H	- 30.1	5.93	1	31		
5690	90.82	0.82	0.94	91.32	0.66	0.74	9.76	1.25	H		8.64		15	1	3
3527	91.15	0.46	0.48	91.25	0.58	0.65	2.38	0.71	H		7.03	1	11	1	3
3533	91.40	0.92	0.54	91.60	0.42	0.47	1.54	0.95	H	+ 2.8	5.79		11	1	3
3534	91.41	0.70	0.51	91.48	0.39	0.44	5.77	0.89	H	- 17.5	5.51		11	1	3
5691	91.47	1.00	0.65	91.52	0.67	0.61	1.83	1.20	H		8.92	2	21	2	
5692	91.17	0.43	0.45	91.23	0.56	0.62	5.03	0.68	H		7.53		11	1	3
5694	91.23	0.82	0.61	91.41	0.43	0.48	5.63	0.92	H		7.66	1	11	1	3
3539	90.97	1.01	0.86	91.33	0.66	0.58	7.88	1.09	H		7.25		11	1	3
5695	91.45	0.78	0.76	91.46	0.47	0.60	3.62	0.92	H		7.24		11	1	3
3541	91.23	0.52	0.57	91.21	0.47	0.52	23.57	0.57	H	- 44.0	6.02		19	1	1
3538	91.32	0.52	0.52	91.50	0.43	0.48	4.66	0.76	H	- 13.0	6.42		31		
5696	91.47	0.87	0.88	91.73	0.65	0.72	1.59	1.03	H		7.96		11	1	3
5697	91.16	0.85	0.78	91.48	0.43	0.56	.52	0.12	P		8.69	2	15	1	3
5698	91.34	0.56	0.51	91.26	0.55	0.56	1.20	0.62	H		7.51		11	1	3
3543	91.20	0.43	0.37	91.14	0.47	0.45	4.72	0.56	H		6.88		21	2	
5699	91.23	0.50	0.55	91.24	0.53	0.58	2.02	0.46	P	- 14.2	7.62		15	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5669	- 0.23	+ 0.15	+ 1.46	- 6.27	- 0.76	- 0.23	+ 0.03	+ 0.15	- 3.01	- 1.18
3505	+ 0.98	- 0.12	- 0.19	+ 0.61	+ 2.01	- 0.12	+ 0.03	+ 0.05	- 3.77	+ 1.19
5670	- 0.04	- 0.05	- 0.13	+ 0.93	- 0.31	+ 0.72	- 0.34	- 0.67	- 0.93	+ 1.90
5671	+ 0.07	- 0.03	- 0.10	+ 3.57	- 0.63	- 0.16	+ 0.10	+ 0.35	+ 1.88	- 1.26
5672	- 0.32	+ 0.22	+ 0.45	- 8.06	+ 0.19	- 1.01	+ 0.38	+ 0.81	- 0.56	- 2.37
3511	+ 0.26	- 0.11	- 0.19	+ 1.89	- 0.09	+ 0.21	- 0.04	- 0.06	- 0.57	+ 0.58
5674	- 0.05	- 0.05	- 0.15	+ 0.00	- 0.06	- 0.38	+ 0.12	+ 0.29	- 1.19	- 0.80
3517	+ 1.10	- 0.37	- 0.53	+ 2.06	+ 1.47	- 1.10	+ 0.07	+ 0.17	- 8.83	- 0.34
5675	- 0.03	+ 0.01	+ 0.13	- 0.94	- 0.06	- 0.08	+ 0.02	+ 0.18	- 0.73	- 0.61
3515	- 0.16	+ 0.13	+ 0.18	+ 0.86	- 0.41	- 0.12	+ 0.07	+ 0.13	- 0.68	- 0.16
3518	+ 0.42	- 0.11	- 0.16	+ 0.67	+ 0.59	- 0.02	+ 0.02	+ 0.04	- 2.54	+ 0.71
5676	- 0.44	+ 0.73	+ 1.40	+ 3.01	- 1.46	+ 0.26	- 0.16	- 0.26	- 1.77	+ 0.78
3521	+ 0.13	- 0.27	- 0.48	- 2.49	+ 1.45	+ 0.33	- 0.38	- 0.69	+ 0.52	+ 0.63
3519	+ 0.60	- 0.41	- 0.61	+ 3.45	- 0.19	+ 0.01	+ 0.09	+ 0.15	- 1.80	+ 0.65
3516	- 2.20	+ 0.28	+ 0.58	-10.79	- 2.57	- 1.85	+ 0.15	+ 0.31	- 6.85	- 2.92
5677	+ 0.20	- 0.02	- 0.07	- 2.55	+ 1.32	- 0.25	+ 0.04	+ 0.18	+ 1.25	- 1.65
5678	- 0.23	+ 0.09	+ 0.25	- 3.30	- 0.37	+ 0.32	- 0.19	- 0.59	+ 4.69	+ 0.64
5679	- 0.11	+ 0.09	+ 0.18	- 0.04	- 0.26	- 0.01	+ 0.00	+ 0.02	- 4.82	+ 0.61
5680	- 0.36	+ 0.35	+ 0.53	- 5.65	- 0.03	- 0.34	+ 0.35	+ 0.55	- 0.21	- 0.61
3523	+ 0.32	- 0.06	- 0.10	+ 2.20	- 0.22	+ 1.01	- 0.18	- 0.26	- 2.21	+ 2.73
5682	- 0.23	+ 0.06	+ 0.16	- 4.85	- 0.07	+ 0.60	- 0.11	- 0.29	+ 1.87	+ 1.60
3530	- 0.07	+ 0.61	+ 0.68	+ 1.27	- 0.69	+ 0.39	- 0.38	- 0.43	+ 2.00	- 0.04
3536	+ 0.14	- 0.22	- 0.25	- 2.12	+ 1.25	+ 0.64	- 0.16	- 0.19	- 3.12	+ 2.04
5683	- 0.05	+ 0.03	+ 0.10	- 2.08	+ 0.10	- 0.36	+ 0.20	+ 0.70	- 8.12	- 0.37
5684	- 0.45	+ 0.13	+ 0.27	- 2.54	- 0.76	- 0.04	+ 0.00	+ 0.00	+ 3.35	- 0.74
5686	+ 0.46	- 0.91	- 1.98	+ 3.59	+ 0.53	- 0.70	+ 0.47	+ 0.94	- 3.09	- 1.02
3528	+ 0.08	- 0.01	- 0.04	- 1.21	+ 0.61	+ 0.34	- 0.03	- 0.11	+ 0.93	+ 1.95
3531	- 0.03	+ 0.00	+ 0.00	- 1.50	+ 0.34	- 0.15	+ 0.08	+ 0.10	+ 0.77	- 0.46
3524	+ 0.73	- 0.01	- 0.03	+ 1.55	+ 1.76	+ 0.90	- 0.11	- 0.20	+ 2.03	+ 1.60
5687	+ 0.05	+ 0.38	+ 1.74	+ 0.41	- 0.28	+ 0.87	- 0.75	- 1.86	- 0.82	+ 2.53
5688	+ 0.04	- 0.02	- 0.03	+ 1.31	- 0.11	- 0.26	+ 0.17	+ 0.33	+ 0.94	- 0.73
5689	- 0.49	+ 0.10	+ 0.35	- 1.93	- 1.50	+ 0.53	- 0.05	- 0.15	+ 4.96	+ 0.82
3535	- 3.60	+ 3.42	+ 3.92	- 4.97	- 3.91	- 0.18	+ 0.24	+ 0.30	- 1.27	+ 0.08
3532	- 0.33	+ 0.26	+ 0.35	+ 0.67	- 0.95	+ 0.10	- 0.14	- 0.21	- 1.44	+ 0.60
5690	- 0.43	+ 0.44	+ 0.89	+ 1.13	- 1.51	- 0.92	+ 0.42	+ 0.77	- 4.43	- 1.02
3527	+ 0.38	- 0.02	- 0.12	+ 5.07	+ 1.51	- 0.20	+ 0.02	+ 0.14	+ 3.71	- 2.49
3533	- 0.02	+ 0.08	+ 0.29	- 1.94	+ 0.55	+ 0.13	- 0.12	- 0.30	+ 2.05	- 0.21
3534	- 0.40	+ 0.65	+ 0.96	- 0.97	- 0.48	+ 0.40	- 0.21	- 0.30	+ 2.64	+ 0.08
5691	- 0.67	+ 1.07	+ 3.62	- 3.04	- 2.05	+ 0.25	+ 0.14	+ 0.74	+ 0.82	+ 0.30
5692	+ 0.36	- 0.03	- 0.07	- 1.29	+ 1.54	- 0.02	+ 0.01	+ 0.02	- 4.13	+ 1.07
5694	+ 0.18	- 0.20	- 0.33	- 0.32	+ 0.41	+ 0.48	- 0.14	- 0.22	+ 2.67	+ 0.39
3539	- 0.16	+ 0.16	+ 0.26	+ 2.66	- 1.35	- 0.52	+ 0.09	+ 0.15	- 2.54	- 0.31
5695	- 0.19	+ 0.08	+ 0.24	- 3.68	+ 0.46	- 0.24	+ 0.06	+ 0.17	- 4.61	+ 0.53
3541	+ 0.32	- 0.12	- 0.15	+ 0.71	+ 0.33	- 0.23	+ 0.05	+ 0.06	+ 1.36	- 1.03
3538	- 0.54	+ 0.02	+ 0.05	- 5.77	- 0.22	- 1.32	+ 0.10	+ 0.27	+ 7.95	- 6.61
5696	- 0.20	+ 0.18	+ 1.08	- 0.57	- 1.27	+ 0.03	+ 0.03	+ 0.24	+ 1.30	- 0.35
5697	- 0.04	+ 0.02	+ 0.24	+ 1.00	- 0.63	+ 0.18	- 0.05	- 0.47	- 1.59	+ 1.97
5698	- 0.05	+ 0.01	- 0.01	- 0.28	- 0.11	+ 0.22	- 0.13	- 0.49	- 3.11	+ 1.30
3543	- 0.42	+ 0.29	+ 0.37	- 1.38	- 0.29	+ 0.76	- 0.40	- 0.58	+ 0.96	+ 1.15
5699	+ 0.14	- 0.06	- 0.15	+ 5.14	- 0.50	+ 0.28	- 0.17	- 0.46	- 2.13	+ 1.31

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5669	1.49	1.45	1.85	4.19	2.52	1.19	0.97	1.08	4.52	2.45	0.89	1.84		1.18	0.45	
3505	0.94	0.38	0.39	2.08	1.36	0.93	0.41	0.42	2.13	1.30	1.80	1.78	1.68	2.07	2.87	t 3018
5670	1.03	0.96	1.12	2.62	1.44	0.89	0.69	0.75	2.63	1.19	0.39	1.83	1.23	1.06	0.57	
5671	0.82	0.56	0.61	2.63	1.32	0.89	0.78	0.90	2.65	1.37	1.47	1.07	1.41	1.77	0.73	t
5672	0.86	0.72	0.80	3.26	1.08	0.95	0.68	0.73	3.64	1.29	2.15	2.56		2.45	1.33	
3511	0.97	0.72	0.78	2.20	1.33	0.85	0.47	0.49	2.03	1.09	0.92	0.54	0.36	0.92	0.18	
5674	1.20	1.13	1.35	3.22	1.70	1.09	0.76	0.83	3.12	1.61	0.60	0.46		0.11	0.59	
3517	0.76	0.49	0.51	1.68	0.99	1.04	0.46	0.47	3.02	1.59	3.30	1.82	2.74	2.51	1.15	
5675	0.83	0.77	0.94	2.74	1.36	0.82	0.70	0.78	3.52	1.59	0.46	0.45		0.29	1.18	t
3515	0.68	0.54	0.57	2.03	0.74	1.01	0.75	0.82	2.91	1.38	0.42	0.66	0.31	0.61	0.84	t
3518	0.71	0.40	0.41	1.64	0.90	0.84	0.53	0.56	2.11	1.14	1.28	0.93	0.62	1.36	0.96	t
5676	1.01	1.16	1.38	3.16	1.18	1.05	0.90	0.99	3.42	1.29	1.71	0.63		1.50	0.75	
3521	0.51	0.55	0.63	1.03	0.66	0.52	0.53	0.60	1.31	0.65	1.88	2.52	0.80	3.22	1.22	
3519	1.16	1.00	1.08	2.37	1.44	1.16	0.63	0.65	2.51	1.47	1.70	0.41	1.57	1.56	0.43	
3516	1.82	0.80	0.82	5.00	2.82	1.89	0.60	0.61	4.91	3.21	2.66	1.45	1.89	1.58	2.79	
5677	0.84	0.38	0.39	4.21	1.65	0.93	0.60	0.63	4.01	1.80	0.64	1.26	0.58	1.08	1.64	
5678	0.68	0.55	0.62	2.91	0.96	0.70	0.62	0.72	3.03	0.96	1.17	2.08		1.59	0.30	
5679	0.90	0.82	0.94	3.02	1.15	0.93	0.98	1.19	3.22	1.15	0.48	1.41		1.59	0.36	t
5680	0.70	0.64	0.69	2.54	0.79	0.77	0.68	0.74	2.83	0.90	2.36	1.09	0.84	2.11	0.97	
3523	1.11	0.77	0.82	2.42	1.53	1.06	0.51	0.52	2.52	1.40	1.17	2.00	0.09	1.91	0.32	
5682	0.88	0.62	0.67	3.67	1.26	0.90	0.53	0.56	3.72	1.41	1.46	1.26	2.16	1.23	1.76	t
3530	0.58	0.70	0.73	1.09	0.58	0.67	0.52	0.53	1.42	0.73	1.71	1.47	0.85	2.04	0.54	t
3536	0.88	0.61	0.62	1.62	0.99	1.11	0.45	0.46	2.43	1.31	1.58	2.01	1.12	2.58	1.77	t 3019
5683	0.78	0.65	0.74	3.09	1.12	0.82	0.71	0.82	3.23	1.20	0.73	2.74		2.34	0.33	
5684	0.83	0.54	0.57	3.05	1.17	0.93	0.68	0.74	3.22	1.39	0.93	1.36		1.29	0.91	
5686	0.76	0.91	1.12	2.12	0.92	0.85	0.67	0.73	2.42	1.12	2.18	2.78		1.53	0.59	
3528	1.24	0.97	1.07	4.61	2.11	1.18	0.59	0.61	4.81	2.66	0.33	0.81	1.07	0.40	1.95	t
3531	0.60	0.36	0.37	1.39	0.62	0.72	0.50	0.52	1.63	0.83	1.12	0.75	0.95	1.38	1.31	
3524	1.36	0.42	0.43	3.58	2.45	1.21	0.55	0.57	3.22	1.79	0.81	1.21	0.85	0.13	0.49	
5687	0.80	1.05	1.61	2.27	0.96	0.76	0.71	0.85	2.32	0.99	0.62	3.39	1.64	1.35	1.39	
5688	0.85	0.77	0.86	2.83	1.05	0.91	0.77	0.86	3.12	1.16	0.73	0.49		0.69	1.11	
5689	0.95	0.73	0.81	3.13	1.56	0.91	0.59	0.64	3.23	1.55	1.72	1.24	2.45	1.16	1.36	t
3535	0.54	0.49	0.51	1.05	0.61	0.70	0.58	0.61	1.53	0.82	7.66	9.90	11.60	1.17	3.89	
3532	0.53	0.43	0.45	1.07	0.66	0.55	0.51	0.55	1.32	0.67	0.90	1.84	2.66	1.89	1.20	
5690	1.28	1.08	1.21	3.45	1.71	1.19	0.82	0.88	3.33	1.56	1.46	1.51		1.15	1.59	t
3527	0.99	0.48	0.49	4.57	2.54	1.03	0.66	0.69	4.12	2.24	1.42	1.28	1.35	1.49	0.12	
3533	0.57	0.74	1.09	1.25	0.72	0.56	0.56	0.66	1.42	0.75	1.98	0.22	1.04	2.23	0.31	t
3534	0.63	0.74	0.82	1.35	0.74	0.71	0.52	0.54	1.82	0.85	1.97	1.35	1.31	1.31	0.73	t
5691	0.71	0.79	1.07	2.00	0.90	0.77	0.67	0.79	2.22	1.14	4.06	2.94		0.50	2.38	
5692	1.16	0.46	0.47	3.98	2.01	1.17	0.63	0.66	3.76	1.97	1.13	0.93	0.97	1.38	0.62	
5694	0.76	0.79	0.89	2.16	0.90	0.86	0.53	0.55	2.52	1.09	1.12	0.77	1.96	0.89	0.70	
3539	1.05	1.11	1.31	2.36	1.35	1.05	0.64	0.68	2.61	1.41	1.31	0.95	0.92	1.66	0.88	
5695	1.07	0.80	0.88	3.01	1.75	1.03	0.62	0.66	3.12	1.74	0.22	1.94		1.87	1.46	
3541	1.10	0.65	0.67	2.48	1.19	1.26	0.55	0.56	2.61	1.60	0.59	0.73	0.41	0.79	1.72	t
3538	1.15	0.53	0.55	3.79	2.02	1.14	0.49	0.50	4.11	1.99	2.39	3.35	0.56	3.44	0.08	
5696	0.96	0.95	1.25	2.57	1.44	0.87	0.76	0.91	2.64	1.41	0.71	1.25	1.11	0.60	0.76	
5697	0.82	0.80	1.03	3.08	1.30	0.65	0.57	0.64	3.22	1.21	1.87	0.41		1.14	2.14	t
5698	0.61	0.57	0.69	2.53	0.80	0.68	0.61	0.73	2.73	0.96	1.50	0.93		1.52	1.25	
3543	0.54	0.47	0.49	1.19	0.63	0.68	0.53	0.56	1.82	0.83	1.59	1.93	4.41	0.82	1.93	
5699	0.75	0.60	0.67	2.52	1.07	0.74	0.65	0.74	2.42	1.04	1.41	2.13		2.44	1.00	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5700	95045	FX		19 20 19.488 874	+ 4 46 40.408 37	- 22.47	- 102.48
5701	95052	FX		19 20 25.750 495	+ 45 35 40.642 71	+ 3.49	+ 3.63
3547	95081	RS	π Dra	19 20 40.092 374	+ 65 42 52.315 47	+ 14.39	+ 41.87
5702	95096	FX		19 20 47.316 087	- 38 44 46.839 40	+ 14.61	- 15.21
5703	95120	FX		19 21 2.962 567	- 31 12 21.223 94	+ 5.61	- 2.38
5704	95204	FX		19 22 3.883 686	+ 17 45 12.182 91	+ 1.54	- 8.86
3546	95222	RS		19 22 21.544 855	- 0 15 8.434 54	+ 60.00	- 26.57
3548	95253	RS		19 22 48.351 140	+ 9 54 47.340 41	+ 8.56	+ 107.06
3549	95306	RS		19 23 23.786 848	+ 50 16 16.636 78	+ 1.91	+ 15.80
5705	95311	FX		19 23 29.538 878	+ 54 43 52.583 40	- 8.99	- 17.21
3550	95372	BX	2 Cyg	19 24 7.579 342	+ 29 37 16.824 42	+ 11.28	+ 11.89
5706	95382	FX		19 24 11.837 532	+ 79 46 55.048 14	- 23.39	- 9.90
5707	95445	FX		19 24 55.993 066	- 44 11 41.261 93	- 51.81	- 6.61
3552	95485	RS		19 25 21.595 299	- 13 53 49.642 74	+ 55.27	+ 58.16
5709	95544	FX		19 26 3.388 901	- 80 14 13.558 51	- 19.00	- 28.40
3553	95564	BX	50 Sgr	19 26 19.157 232	- 21 46 36.093 38	+ 37.50	- 4.42
3556	95576	BX		19 26 26.498 121	+ 62 33 25.728 64	+ 32.79	+ 38.67
5710	95606	FX		19 26 44.511 243	- 25 35 2.199 16	- 4.99	- 48.34
3555	95664	RS		19 27 33.908 066	+ 14 16 56.931 76	+ 6.69	- 4.23
5712	95698	FX		19 27 52.128 577	- 4 49 3.979 27	+ 9.77	- 0.81
5713	95731	FX		19 28 20.388 296	- 35 8 1.593 67	- 21.20	- 167.12
5714	95761	FX		19 28 38.364 227	+ 41 11 53.600 39	- 8.35	- 17.55
5715	95781	FX		19 28 54.293 387	- 84 43 12.534 39	+ 68.12	- 80.16
3561	95978	BX	φ Cyg	19 31 0.271 376	+ 70 59 21.629 14	- 10.71	+ 34.00
3557	95999	BX		19 31 10.970 515	- 68 26 2.118 36	+ 17.36	- 14.27
5717	96001	FX		19 31 11.972 891	+ 74 46 9.042 76	+ 3.48	- 8.80
5718	96015	FX		19 31 20.629 989	+ 64 17 13.017 31	- 2.41	- 19.60
5719	96023	FX		19 31 25.407 594	- 17 40 24.184 40	- 15.77	- 18.76
5720	96126	FX		19 32 42.249 079	+ 2 7 10.435 63	+ 21.67	- 10.88
3563	96164	BX		19 33 10.069 929	+ 60 9 31.287 78	+ 4.20	+ 5.44
3558	96178	BX		19 33 21.621 563	- 45 16 18.305 03	- 15.39	- 25.64
5721	96183	FX		19 33 25.553 064	+ 21 50 25.179 20	- 20.95	- 205.60
3559	96199	RS		19 33 42.207 548	- 34 11 51.709 65	+ 8.92	- 23.44
5722	96245	FX		19 34 14.094 604	+ 25 21 9.090 91	- 1.79	- 16.64
5723	96286	FX		19 34 39.860 833	+ 48 9 52.377 21	- 15.76	- 78.84
3993	96314	BX		19 34 59.760 912	- 81 45 10.605 55	+ 6.33	+ 8.75
3562	96327	RS	37 Aql	19 35 7.257 421	- 10 33 37.597 11	+ 7.03	- 2.96
3564	96417	RS		19 36 8.352 234	+ 22 35 8.748 03	+ 3.78	- 7.23
3565	96496	RS		19 37 3.341 080	- 18 13 51.781 32	+ 10.52	- 13.05
5725	96555	FX		19 37 47.160 297	+ 12 56 19.467 12	- 0.48	- 3.62
5727	96590	FX		19 38 10.681 498	- 63 54 55.700 44	- 3.00	- 5.42
3566	96607	RS		19 38 25.953 878	- 57 59 0.027 21	+ 30.61	- 62.83
3569	96630	BX		19 38 48.990 861	+ 3 22 53.475 16	+ 0.04	- 0.45
5728	96657	FX		19 39 6.059 046	- 13 40 11.032 71	- 0.34	- 9.43
3572	96693	BX	14 Cyg	19 39 26.484 518	+ 42 49 5.805 18	+ 22.72	+ 27.84
5730	96742	FX		19 39 56.531 664	+ 59 50 27.794 36	+ 23.17	+ 20.46
5732	96787	FX		19 40 25.174 437	+ 9 5 33.786 74	+ 0.03	- 2.54
5733	96821	FX		19 40 47.731 073	+ 87 55 20.303 28	+ 4.30	- 12.74
3575	96825	BX		19 40 50.183 747	+ 45 31 29.795 16	+ 84.38	+ 120.83
5734	96884	FX		19 41 38.165 126	- 55 15 58.156 18	+ 31.62	- 7.30

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5700	91.29	0.71	0.68	91.60	0.48	0.49	6.78	0.82	H		7.04		11	1	3
5701	91.25	0.64	0.64	91.22	0.67	0.66	1.46	0.75	H		8.65		11	1	3
3547	91.53	0.39	0.30	91.35	0.42	0.39	14.52	0.46	H	- 28.6	4.60		31		
5702	91.07	1.05	0.98	91.46	0.59	0.64	1.79	1.08	H		7.30		11	1	3
5703	91.13	1.70	1.20	91.65	1.02	0.81	2.28	0.53	P		8.51		11	1	3
5704	91.31	0.60	0.54	91.37	0.58	0.59	3.89	0.87	H	- 28.	7.07		18		
3546	91.36	0.65	0.54	91.49	0.42	0.44	8.98	0.82	H	- 10.9	5.81		29	2	
3548	91.33	0.71	0.74	91.40	0.53	0.68	27.99	0.87	H	- 13.3	6.34		19	1	1
3549	91.33	0.47	0.48	91.15	0.46	0.57	3.85	0.52	H	- 24.0	6.51		35		
5705	91.08	0.79	0.65	91.07	0.75	0.68	2.30	0.86	H		9.07		21	2	
3550	91.02	0.38	0.35	91.16	0.45	0.42	4.21	0.58	H	- 23.6	4.99	1	29	2	
5706	91.20	0.56	0.50	91.33	0.58	0.56	6.46	0.63	H		8.11		11	1	3
5707	91.03	0.92	0.79	91.48	0.47	0.55	7.62	0.95	H		6.88		21	2	
3552	91.28	0.77	0.48	91.50	0.43	0.40	4.51	0.84	H	- 34.2	5.72		29	2	
5709	91.14	0.69	0.66	91.29	0.79	0.81	7.11	0.99	H		9.01		21	2	
3553	91.16	0.70	0.47	91.27	0.49	0.38	5.86	0.81	H	- 20.1	5.57		11	1	3
3556	91.25	0.59	0.50	91.25	0.48	0.45	4.78	0.56	H	- 41.6	6.38		21	2	
5710	91.52	1.22	0.70	91.54	0.80	0.62	8.39	1.40	H		8.47		13		
3555	91.23	0.54	0.53	91.36	0.49	0.52	3.91	0.79	H	+ 4.	6.31	2	11	1	3
5712	91.46	0.75	0.60	91.53	0.43	0.47	1.91	0.94	H		7.38		11	1	3
5713	91.15	1.21	1.06	91.50	0.88	0.78	12.32	1.40	H		8.66		21	2	
5714	91.28	0.64	0.60	91.06	0.65	0.62	4.33	0.79	H		8.84		31		
5715	91.18	0.58	0.53	91.43	0.59	0.56	13.00	0.73	H		7.70		11	1	3
3561	91.39	0.48	0.44	91.09	0.44	0.43	5.23	0.49	H	- 42.9	6.06		21	2	
3557	91.40	0.38	0.35	91.44	0.43	0.48	3.13	0.74	H	- 13.4	5.98	1	31		
5717	91.19	0.63	0.54	91.08	0.61	0.59	3.58	0.66	H		8.42		15	1	3
5718	91.07	0.62	0.59	91.18	0.59	0.61	1.93	0.63	H	- 44.	7.97		15	1	3
5719	91.13	1.04	0.74	91.34	0.66	0.62	5.00	1.18	H		8.83		31		
5720	91.24	0.98	0.77	91.52	0.59	0.64	1.70	1.20	H		8.74		11	1	3
3563	91.05	0.51	0.44	91.16	0.50	0.56	2.71	0.54	H	- 17.8	6.30	1	15	1	3
3558	90.97	0.78	0.73	91.26	0.60	0.61	7.47	0.86	H	- 10.3	5.59		29	2	
5721	91.23	0.61	0.63	91.22	0.60	0.64	49.61	0.94	H	+ 11.2	6.89		19	1	1
3559	91.13	0.95	0.99	91.59	0.63	0.59	4.51	1.05	H	- 3.	6.94		28	2	
5722	90.97	0.38	0.42	91.13	0.63	0.77	1.19	0.90	H	+ 24.	7.07	1	18		
5723	91.40	0.52	0.45	91.33	0.47	0.44	10.94	0.56	H	- 0.5	6.79		11	1	3
3993	91.18	0.51	0.50	91.14	0.49	0.54	6.10	0.64	H		6.63		11	1	3
3562	91.45	0.68	0.54	91.78	0.38	0.33	7.34	0.76	H	- 30.4	5.12		11	1	3
3564	91.34	0.51	0.55	91.31	0.52	0.63	5.71	0.76	H	- 25.3	6.33		11	1	3
3565	91.25	0.68	0.43	91.42	0.42	0.35	7.37	0.75	H	- 7.3	5.66		39		
5725	91.31	0.67	0.63	91.36	0.55	0.63	.64	1.03	H		8.06		15	1	3
5727	91.23	0.63	0.60	91.24	0.54	0.61	1.56	0.85	H		7.45		35		
3566	90.91	0.44	0.52	91.30	0.37	0.57	6.77	0.72	H	- 10.6	6.19		11	1	3
3569	91.13	0.73	0.47	91.63	0.38	0.34	1.90	0.26	P	- 1.	6.36		28	2	
5728	91.39	0.87	0.84	91.53	0.55	0.50	4.19	0.95	H		7.85		21	2	
3572	91.17	0.42	0.31	91.16	0.42	0.37	4.76	0.49	H	- 27.5	5.41		38		
5730	91.11	0.55	0.46	91.25	0.53	0.51	5.68	0.57	H		7.75		15	1	3
5732	91.09	0.66	0.65	91.55	0.52	0.51	-.78	1.06	H		8.67		35		
5733	91.07	0.62	0.58	91.42	0.60	0.59	2.78	0.71	H		8.01		11	1	3
3575	91.11	0.44	0.41	91.16	0.40	0.41	20.51	0.50	H	- 21.7	5.06		39		
5734	91.21	0.61	0.81	91.20	0.50	0.76	.71	0.91	H		7.36		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5700	+ 0.22	- 0.13	- 0.23	+ 0.36	+ 0.39	+ 0.07	- 0.03	- 0.05	- 3.69	+ 1.05
5701	- 0.01	+ 0.00	+ 0.03	- 1.67	+ 0.26	+ 0.17	- 0.15	- 0.58	+ 1.48	+ 0.53
3547	+ 0.39	- 0.28	- 0.30	- 1.37	+ 1.03	+ 0.39	- 0.23	- 0.26	+ 2.58	- 0.29
5702	+ 0.01	+ 0.00	- 0.04	- 1.71	+ 0.55	- 0.01	+ 0.01	+ 0.02	- 4.48	+ 1.09
5703	+ 0.08	- 0.15	- 1.15	- 0.58	+ 1.00	- 0.01	+ 0.02	+ 0.15	+ 1.24	- 0.35
5704	- 0.06	+ 0.03	+ 0.05	+ 0.00	- 0.11	+ 0.13	- 0.05	- 0.10	- 3.96	+ 0.89
3546	- 0.32	+ 0.31	+ 0.43	- 0.72	- 0.38	+ 2.14	- 0.52	- 0.71	+ 0.93	+ 3.57
3548	+ 0.51	- 0.30	- 0.38	+ 0.42	+ 0.79	+ 0.39	+ 0.02	+ 0.02	+ 2.50	- 0.47
3549	- 0.69	+ 0.22	+ 0.41	- 2.77	- 0.89	- 0.66	+ 0.18	+ 0.41	- 6.18	- 0.55
5705	+ 0.48	- 0.72	- 2.12	+ 3.27	+ 1.27	+ 0.68	- 0.72	- 2.18	+ 2.69	+ 2.05
3550	+ 0.93	- 0.58	- 0.71	+ 1.09	+ 1.26	+ 0.91	- 0.74	- 1.04	+ 0.07	+ 1.67
5706	+ 1.29	- 0.45	- 0.70	+ 2.58	+ 1.97	+ 0.63	- 0.27	- 0.46	+ 2.01	+ 1.04
5707	+ 1.92	- 1.21	- 2.26	+ 0.54	+ 4.72	+ 0.45	- 0.21	- 0.37	+ 0.22	+ 0.95
3552	+ 0.38	- 1.47	- 2.42	+ 0.29	+ 0.94	+ 3.99	- 2.04	- 2.96	+ 7.64	+ 5.30
5709	- 2.20	+ 0.43	+ 0.96	-12.42	- 3.84	+ 2.54	- 0.72	- 1.72	+13.27	+ 5.29
3553	+ 0.55	- 0.96	- 1.34	- 0.07	+ 1.05	+ 0.13	- 0.10	- 0.13	- 1.63	+ 0.53
3556	+ 0.29	- 0.57	- 0.93	+ 2.51	- 0.08	+ 1.47	- 0.56	- 0.87	+ 2.94	+ 2.16
5710	+ 0.06	- 0.07	- 0.11	+ 1.48	- 0.20	- 0.03	+ 0.00	+ 0.00	+ 0.90	- 0.28
3555	- 0.60	+ 0.20	+ 0.38	+ 1.26	- 1.88	+ 0.11	- 0.02	- 0.06	+ 2.88	- 0.72
5712	+ 0.28	- 0.27	- 0.75	+ 1.48	+ 0.68	+ 0.07	- 0.03	- 0.08	+ 0.48	+ 0.15
5713	- 1.82	+ 1.53	+ 3.07	- 9.31	- 1.88	- 0.25	+ 0.10	+ 0.16	+ 1.89	- 1.11
5714	- 0.53	+ 0.28	+ 0.53	+ 6.18	- 2.26	- 0.47	+ 0.34	+ 0.65	+ 2.40	- 1.37
5715	- 0.82	+ 0.68	+ 0.85	- 2.34	- 0.70	- 0.04	- 0.13	- 0.19	+ 2.43	- 0.64
3561	+ 0.21	- 0.16	- 0.20	- 2.92	+ 1.37	+ 1.49	- 0.73	- 1.02	+ 1.75	+ 2.23
3557	- 0.14	- 0.08	- 0.17	- 0.35	- 0.12	- 1.49	+ 0.41	+ 0.85	- 4.48	- 2.72
5717	- 0.29	+ 0.10	+ 0.19	- 1.91	- 0.43	+ 0.10	+ 0.00	- 0.01	+ 2.04	- 0.08
5718	- 0.45	+ 0.23	+ 0.69	+ 0.54	- 1.57	- 0.13	+ 0.08	+ 0.30	+ 1.88	- 0.95
5719	- 0.10	+ 0.25	+ 0.56	+ 1.15	- 0.57	+ 0.42	- 0.33	- 0.56	- 4.62	+ 1.77
5720	- 0.05	+ 0.09	+ 0.40	- 0.46	- 0.17	- 0.13	+ 0.02	+ 0.07	- 7.70	+ 1.09
3563	+ 0.26	- 0.14	- 0.26	+ 1.97	- 0.15	+ 0.09	- 0.07	- 0.15	- 0.64	+ 0.56
3558	+ 0.54	- 0.47	- 0.85	+ 2.79	+ 0.25	- 1.39	+ 0.75	+ 1.18	- 3.82	- 1.65
5721	+ 0.16	- 0.02	- 0.01	- 2.84	+ 0.65	- 1.19	+ 0.65	+ 0.79	- 4.68	- 0.87
3559	- 1.81	+ 0.88	+ 2.93	- 5.37	- 6.68	+ 0.07	- 0.03	- 0.09	- 4.63	+ 1.40
5722	+ 0.01	+ 0.00	- 0.01	- 2.66	+ 0.49	- 0.02	+ 0.01	+ 0.07	- 2.57	+ 0.32
5723	- 0.33	+ 0.32	+ 0.39	- 2.02	- 0.24	- 0.83	+ 0.42	+ 0.52	- 2.71	- 0.83
3993	- 0.35	+ 0.04	+ 0.08	- 1.93	- 0.18	- 0.29	+ 0.08	+ 0.13	- 1.23	- 0.16
3562	+ 0.25	- 0.11	- 0.16	+ 0.57	+ 0.32	+ 0.59	- 0.05	- 0.08	+ 5.40	- 0.37
3564	+ 0.71	- 0.21	- 0.36	- 2.46	+ 2.21	- 0.04	+ 0.00	+ 0.00	- 2.74	+ 0.69
3565	- 0.22	+ 0.03	+ 0.02	+ 0.33	- 0.47	+ 1.53	- 0.61	- 0.73	+ 2.92	+ 1.62
5725	+ 0.15	- 0.11	- 0.83	- 0.29	+ 1.20	+ 0.12	- 0.06	- 0.49	- 3.78	+ 1.71
5727	+ 0.05	+ 0.02	+ 0.14	+ 7.79	- 1.65	+ 0.44	- 0.07	- 0.41	- 0.95	+ 3.42
3566	- 0.99	+ 0.10	+ 0.22	- 2.06	- 2.18	+ 0.18	+ 0.02	+ 0.04	- 1.27	+ 0.79
3569	- 0.24	+ 0.55	+ 1.26	+ 1.97	- 1.36	- 1.43	+ 0.43	+ 0.67	- 0.32	- 3.05
5728	- 0.20	- 0.05	- 0.18	- 1.13	- 0.15	+ 2.54	- 0.23	- 0.67	+10.27	+ 6.17
3572	- 0.89	+ 0.86	+ 1.03	- 1.75	- 0.86	+ 0.83	- 0.45	- 0.58	+ 1.54	+ 0.96
5730	- 0.02	- 0.05	- 0.09	- 1.61	+ 0.17	+ 0.98	- 0.35	- 0.56	+ 1.63	+ 1.57
5732	+ 0.00	+ 0.00	+ 0.61	- 3.53	- 0.82	+ 0.00	+ 0.01	+ 0.30	- 7.02	- 0.16
5733	- 0.10	+ 0.06	+ 0.13	+ 3.58	- 0.70	+ 0.14	- 0.04	- 0.10	+ 1.71	+ 0.14
3575	+ 0.26	- 0.29	- 0.32	+ 0.05	+ 0.41	+ 1.41	- 0.39	- 0.45	+ 4.51	+ 0.50
5734	- 0.17	+ 0.05	+ 0.63	+ 0.73	- 3.12	+ 0.06	- 0.02	- 0.12	+ 3.08	- 0.02

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
5700	0.96	0.79	0.86	2.44	1.24	0.99	0.52	0.54	2.72	1.33	1.33	0.86	1.69	1.57	1.91	
5701	0.74	0.70	0.85	2.56	1.05	0.75	0.73	0.90	2.53	1.05	0.82	0.99		0.78	0.94	
3547	0.58	0.36	0.36	1.19	0.59	0.70	0.47	0.48	1.44	0.79	2.08	1.94	0.93	2.52	0.96	
5702	1.11	1.02	1.21	3.66	1.88	0.93	0.65	0.69	3.72	1.91	1.27	0.59	1.42	1.44	1.16	
5703	1.25	1.33	1.99	3.24	1.71	1.01	0.85	0.99	3.42	1.62	0.84	0.35		0.60	0.83	
5704	0.74	0.64	0.70	2.32	0.92	0.90	0.65	0.70	3.21	1.21	1.17	0.72	0.80	1.41	0.48	t
3546	0.81	0.67	0.71	1.82	0.95	0.93	0.48	0.49	2.21	1.16	0.93	3.46	4.01	1.07	0.69	t
3548	1.18	0.90	0.95	2.53	1.37	1.36	0.76	0.79	2.71	1.81	0.94	0.73	1.44	0.92	0.33	t
3549	0.83	0.51	0.54	2.24	1.13	0.98	0.60	0.63	3.11	1.48	2.49	1.19	0.60	1.80	0.37	t
5705	0.74	0.78	0.98	2.91	0.92	0.80	0.78	0.94	3.33	1.03	3.81	2.24		0.68	1.16	
3550	0.52	0.45	0.48	0.96	0.65	0.56	0.56	0.61	1.22	0.68	1.90	4.04	3.04	1.16	3.85	t
5706	0.89	0.55	0.58	3.35	1.09	1.01	0.60	0.63	3.57	1.31	2.36	1.18		0.31	1.95	
5707	1.09	0.91	1.00	2.62	1.49	1.04	0.59	0.62	2.63	1.42	1.02	3.98	4.54	1.41	2.43	
3552	0.60	0.68	0.77	1.34	0.71	0.66	0.47	0.50	1.72	0.80	6.11	9.05	8.25	1.31	5.19	t
5709	1.26	0.68	0.71	4.73	1.85	1.31	0.85	0.91	5.15	1.90	4.09	4.00		2.23		t
3553	0.58	0.70	0.77	1.29	0.68	0.61	0.45	0.47	1.61	0.71	1.23	2.45	1.43	1.45	1.46	
3556	0.61	0.71	0.80	1.42	0.72	0.77	0.49	0.52	2.13	0.98	2.70	2.81	4.40	1.66	1.42	t
5710	0.83	0.99	1.14	2.20	0.97	0.96	0.73	0.78	2.42	1.21	0.20	0.72		0.82	0.32	t
3555	0.88	0.57	0.61	2.48	1.24	1.02	0.54	0.56	2.81	1.74	1.08	1.68	0.18	1.57	1.02	
5712	0.71	0.70	0.84	2.43	0.92	0.73	0.49	0.53	2.52	1.13	0.89	1.16	1.21	0.33	0.88	
5713	1.35	1.27	1.44	3.22	1.80	1.28	0.86	0.91	3.23	1.72	3.55	2.25	2.89	2.17	0.13	
5714	0.88	0.66	0.72	2.86	1.16	0.83	0.72	0.80	2.83	1.05	2.53	2.00		3.01	1.14	
5715	0.75	0.69	0.72	1.79	0.87	0.80	0.72	0.76	1.89	0.93	2.06	1.47	1.94	1.67	0.82	
3561	0.63	0.55	0.58	1.38	0.77	0.69	0.50	0.53	1.55	0.87	2.48	3.62	1.48	2.73	0.24	
3557	0.81	0.36	0.37	2.02	1.27	0.81	0.52	0.55	2.23	1.19	2.32	2.73	1.70	0.70	1.33	
5717	0.85	0.58	0.62	3.19	1.15	0.94	0.62	0.67	3.45	1.36	0.47	0.87		0.72	0.40	t
5718	0.77	0.64	0.72	3.29	1.09	0.86	0.64	0.70	3.64	1.40	0.43	1.87	1.83	0.95	0.98	t
5719	0.82	1.06	1.36	2.04	0.99	0.83	0.73	0.81	2.42	1.04	1.90	1.61		2.54	0.44	
5720	0.81	0.93	1.41	2.59	0.99	0.87	0.67	0.75	3.22	1.51	0.66	2.38		2.48	1.65	
3563	0.63	0.50	0.55	1.38	0.85	0.85	0.59	0.64	2.42	1.34	1.51	0.48	0.39	1.37	0.65	t
3558	1.01	0.86	0.95	2.14	1.37	0.93	0.70	0.75	2.12	1.21	2.69	2.06	5.26	1.34	1.55	t
5721	0.94	0.82	0.85	2.69	1.02	1.03	0.78	0.81	2.81	1.15	2.11	1.31	1.21	1.74	0.34	t 3020
3559	1.27	1.05	1.19	4.48	1.93	1.21	0.60	0.62	4.71	2.20	2.03	4.30	2.40	1.19	1.77	t
5722	0.68	0.43	0.45	3.15	1.25	0.87	0.80	0.97	3.21	1.36	1.15	0.41	0.26	1.25	0.77	t
5723	0.69	0.57	0.59	2.35	0.74	0.76	0.52	0.54	2.54	0.84	1.59	1.47	1.52	1.01	0.77	
3993	1.04	0.53	0.55	2.60	1.51	0.93	0.59	0.62	2.05	1.30	0.99	0.26	1.23	0.73	0.11	
3562	0.91	0.61	0.64	2.23	1.13	0.98	0.34	0.34	2.51	1.29	2.18	0.43	2.22	2.05	1.82	
3564	0.99	0.59	0.62	2.79	1.32	1.13	0.66	0.69	3.21	1.71	1.11	1.79	1.03	1.78	0.49	
3565	0.58	0.61	0.65	1.18	0.68	0.62	0.41	0.42	1.62	0.70	2.19	2.99	3.33	0.95	1.10	t
5725	0.68	0.66	0.83	3.10	1.00	0.72	0.65	0.75	3.42	1.26	2.14	0.96		1.58	0.76	t
5727	0.87	0.61	0.66	3.67	1.78	0.88	0.62	0.67	3.63	1.83	2.06	2.14	0.27	2.55	1.57	t
3566	1.21	0.53	0.55	3.28	1.94	1.22	0.59	0.61	3.62	1.87	0.77	1.26	0.14	0.51	1.03	
3569	0.50	0.74	1.05	1.09	0.61	0.55	0.38	0.42	1.42	0.74	0.79	5.21	3.85	3.16	1.47	t
5728	1.23	0.87	0.94	3.09	2.36	1.10	0.51	0.53	3.12	2.11	3.14	3.47		1.12	0.55	
3572	0.45	0.42	0.44	0.93	0.50	0.57	0.44	0.46	1.33	0.68	3.10	3.41	2.63	0.92	2.73	t
5730	0.70	0.55	0.58	2.40	0.81	0.86	0.57	0.60	3.04	1.07	0.94	1.75	1.36	0.70	1.24	t
5732	0.65	0.64	0.78	2.99	1.25	0.51	0.51	0.56	3.42	1.34	1.01	2.49		2.05	0.20	t
5733	0.76	0.67	0.76	2.77	0.97	0.84	0.63	0.70	3.15	1.17	0.71	1.32		1.53	1.38	
3575	0.69	0.53	0.54	1.31	0.70	0.87	0.45	0.46	1.72	1.03	2.80	1.16	1.04	2.02	0.32	t
5734	0.90	0.82	0.93	3.29	1.93	0.86	0.77	0.87	3.33	1.80	0.93	1.76	1.56	1.30	1.47	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5735	96890	FX		19 41 43.628 680	+ 4 43 42.810 68	+ 4.54	+ 9.93
5736	96892	FX		19 41 44.423 112	- 77 34 28.819 67	- 0.97	+ 6.56
5737	96940	FX		19 42 23.521 862	- 26 26 37.676 35	+ 3.16	+ 3.55
5738	96984	FX		19 42 48.275 119	+ 17 58 5.756 66	- 1.73	- 8.44
5739	96994	FX		19 42 50.513 412	- 18 11 56.401 69	- 30.63	- 0.41
3576	97067	BX		19 43 37.618 751	- 37 32 19.552 85	+ 2.29	- 17.35
5740	97076	FX		19 43 42.860 785	- 44 8 1.280 70	+ 11.65	+ 12.16
5741	97082	FX		19 43 46.142 052	- 1 57 32.777 71	+ 23.78	+ 2.64
5742	97086	FX		19 43 48.857 734	+ 52 36 39.086 20	+ 19.79	+ 29.42
5743	97117	FX		19 44 15.853 473	+ 7 35 17.600 12	+ 0.93	- 2.55
3579	97244	RS		19 45 52.233 067	- 2 53 0.436 00	- 0.99	- 2.10
5744	97298	FX		19 46 28.794 168	+ 2 51 30.920 46	- 6.11	- 19.11
5745	97332	FX		19 46 54.108 020	+ 72 27 52.667 81	+ 2.30	+ 35.17
5746	97349	FX		19 47 7.422 659	- 23 44 5.102 43	+ 10.21	- 5.75
5747	97377	FX		19 47 27.974 727	+ 28 29 8.759 95	- 12.78	- 21.13
3581	97491	RS		19 48 55.087 917	- 52 53 17.190 29	+ 14.60	- 47.84
5748	97492	FX		19 48 56.457 471	- 4 29 45.502 34	+ 1.75	+ 0.66
3582	97515	BX		19 49 11.610 662	- 28 47 20.296 07	+ 121.99	- 98.08
3580	97534	BX		19 49 25.305 880	- 72 30 12.162 68	+ 6.71	+ 14.63
5749	97542	FX		19 49 30.935 111	+ 82 27 17.711 04	- 15.11	+ 26.11
5750	97553	FX		19 49 42.055 608	+ 33 16 36.723 03	+ 2.68	- 6.52
5751	97554	FX		19 49 42.130 741	- 30 16 27.360 86	+ 7.91	- 33.58
5752	97625	FX		19 50 31.531 138	- 52 14 5.770 14	+ 9.16	- 0.05
3586	97635	RS	20 Cyg	19 50 37.723 920	+ 52 59 16.803 63	- 10.12	- 68.12
3585	97679	RS	12 Vul	19 51 4.108 346	+ 22 36 36.167 49	+ 23.28	- 16.55
5753	97698	FX		19 51 17.729 454	- 35 18 37.259 79	+ 2.35	- 2.25
3583	97749	RS		19 51 50.603 693	- 39 52 27.726 38	+ 17.81	- 12.51
3588	97757	RS		19 51 59.069 198	+ 47 1 38.419 85	- 2.90	- 4.04
5756	97895	FX		19 53 38.486 433	+ 41 21 20.809 01	- 2.97	- 12.49
5757	97959	FX		19 54 29.298 255	+ 47 54 49.687 27	+ 2.37	- 15.19
5758	98019	FX		19 55 7.570 372	+ 15 26 49.791 47	- 0.48	+ 1.28
3591	98073	BX		19 55 55.377 964	+ 58 50 45.489 24	- 9.17	- 20.81
5759	98206	FX		19 57 19.780 022	+ 24 5 17.364 58	- 114.20	- 124.81
3592	98234	BX	11 Sge	19 57 45.445 819	+ 16 47 20.987 08	+ 11.85	+ 19.63
5760	98305	FX		19 58 26.268 981	- 42 40 58.936 58	+ 16.62	- 33.97
3594	98325	RS		19 58 37.981 427	+ 30 59 1.197 74	+ 33.26	- 2.34
3589	98332	BX		19 58 41.290 885	- 69 9 50.243 31	+ 68.89	- 100.37
5761	98377	FX		19 59 12.055 491	+ 11 18 20.037 48	+ 8.00	+ 0.63
3596	98385	BX		19 59 22.647 056	+ 1 22 39.694 36	+ 22.29	+ 66.34
3605	98401	BX	69 Dra	19 59 36.628 534	+ 76 28 53.014 28	- 26.21	- 59.34
3595	98482	RS		20 0 25.328 049	- 49 21 3.406 52	- 77.31	- 2.86
3597	98512	RS		20 0 48.324 059	- 45 6 46.500 73	+ 0.59	+ 6.43
5763	98536	FX		20 1 1.450 086	- 58 23 15.519 33	+ 4.92	- 30.96
5764	98565	FX		20 1 15.895 609	+ 5 38 53.694 79	- 32.29	- 22.28
3600	98575	BX		20 1 23.846 900	- 22 44 14.310 45	+ 9.03	- 12.12
3604	98583	RS	64 Dra	20 1 28.544 816	+ 64 49 15.505 10	+ 9.53	- 12.71
5765	98606	FX		20 1 43.430 016	+ 33 4 0.943 93	- 4.77	- 9.12
3598	98608	RS		20 1 44.745 180	- 59 22 33.212 86	+ 20.01	- 26.50
3601	98643	RS		20 2 10.561 540	- 4 59 23.250 65	+ 14.65	- 4.05
3608	98702	RS	ϱ Dra	20 2 49.072 355	+ 67 52 24.829 53	+ 16.24	+ 47.33

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5735	91.27	1.20	0.80	91.68	0.49	0.48	4.39	1.43	H		8.97		11	1	3
5736	91.13	0.52	0.51	91.37	0.56	0.67	3.68	0.76	H		7.58	1	11	1	3
5737	91.02	1.01	0.91	91.16	0.58	0.70	3.63	0.84	P		8.45		11	1	1
5738	91.35	0.54	0.52	91.36	0.52	0.53	1.65	0.38	P	- 16.	7.79	2	18		
5739	91.34	1.17	0.70	91.26	0.74	0.62	8.41	1.31	H		8.85		15	1	3
3576	91.17	0.81	0.75	91.27	0.55	0.55	3.82	0.87	H	- 29.	6.14		39		
5740	91.08	1.11	1.01	91.17	0.79	0.78	5.76	1.13	H	+ 8.4	7.28		11	1	3
5741	91.33	1.13	0.81	91.37	0.63	0.62	4.80	1.34	H		8.33		11	1	3
5742	91.40	0.57	0.51	91.15	0.53	0.54	10.62	0.61	H	- 17.8	7.66		11	1	1
5743	91.21	0.79	0.77	91.69	0.43	0.42	.99	1.11	H	- 10.5	8.14	2	31		
3579	91.34	0.85	0.69	91.19	0.62	0.60	2.90	0.40	P	- 17.4	6.47		31		
5744	91.04	1.19	0.79	90.92	0.94	0.97	-1.34	1.38	H		8.57		31		
5745	91.62	0.54	0.46	91.12	0.55	0.50	4.79	0.63	H		7.56		11	1	3
5746	91.12	0.97	0.68	91.26	0.63	0.59	3.95	1.09	H		8.54		31		
5747	91.18	0.50	0.52	91.56	0.68	0.62	2.52	0.91	H	- 28.7	8.15		13		
3581	91.35	0.56	0.73	91.37	0.35	0.56	4.15	0.78	H	- 21.2	6.27		31		
5748	91.29	1.08	0.70	91.13	0.76	0.66	.36	1.20	H		8.30		31		
3582	91.26	0.78	0.58	91.40	0.47	0.48	21.95	0.96	H	- 34.0	6.04		31		
3580	91.16	0.34	0.35	91.44	0.38	0.41	24.08	0.56	H	- 1.4	5.39		18		
5749	91.26	0.59	0.58	91.21	0.54	0.57	4.84	0.64	H		7.80		11	1	3
5750	91.15	0.59	0.51	91.32	0.69	0.56	2.50	0.35	P	+ 33.	8.42		11	1	3
5751	91.52	0.93	0.92	91.41	0.55	0.64	8.31	1.02	H		8.29		25	2	
5752	91.44	0.85	1.06	91.41	0.48	0.90	3.24	0.75	P		8.72		11	1	3
3586	91.37	0.40	0.40	91.24	0.42	0.42	16.96	0.45	H	- 21.1	5.03		39		
3585	91.35	0.48	0.42	91.60	0.40	0.36	5.27	0.69	H	- 24.9	4.90	2	29	2	
5753	91.31	0.99	1.05	91.48	0.63	0.97	1.01	0.23	P		8.24		15	1	3
3583	91.26	0.84	0.81	91.43	0.39	0.54	9.62	0.86	H	- 1.9	5.32	1	28	2	
3588	91.30	0.44	0.43	91.29	0.40	0.38	.40	0.06	P	- 6.4	5.60	1	19	1	1
5756	91.28	0.43	0.39	91.34	0.43	0.37	1.09	0.25	P	- 13.7	6.99		18		
5757	91.10	0.61	0.60	91.23	0.52	0.48	2.99	0.65	H		7.83	1	31		
5758	91.33	0.69	0.56	91.22	0.63	0.64	1.30	1.03	H		8.16		15	1	3
3591	91.28	0.46	0.36	91.44	0.45	0.44	3.55	0.50	H	+ 5.2	4.98	1	11	1	3
5759	91.58	0.62	0.64	91.43	0.51	0.56	23.47	0.84	H	- 7.1	7.19		11	1	3
3592	91.17	0.46	0.45	91.23	0.43	0.48	8.06	0.69	H	- 26.1	5.54		19	1	1
5760	91.18	1.08	1.04	91.42	0.59	0.91	5.50	1.12	H		7.91		11	1	3
3594	91.18	0.35	0.37	91.41	0.40	0.38	5.99	0.58	H	- 7.	5.51		29	2	
3589	91.07	0.30	0.35	91.36	0.45	0.47	14.08	0.66	H	- 12.4	5.74		11	1	3
5761	91.03	0.71	0.57	91.07	0.51	0.49	1.56	0.90	H		6.52		35		
3596	91.22	0.84	0.50	91.06	0.60	0.50	4.24	0.93	H	+ 6.0	6.17		23	2	
3605	91.19	0.48	0.45	91.11	0.45	0.46	6.21	0.50	H	- 68.5	6.20	1	19	1	1
3595	90.94	0.73	0.85	91.14	0.41	0.65	10.80	0.80	H	+ 66.9	6.18		11	1	3
3597	90.96	0.86	0.89	91.13	0.40	0.64	9.07	0.87	H	+ 3.	5.80	1	28	2	
5763	91.24	0.65	0.78	91.30	0.56	0.63	3.16	0.84	H		7.49		11	1	3
5764	91.06	0.68	0.63	90.95	0.54	0.60	12.41	0.98	H	+ 31.5	7.46		15	1	3
3600	91.32	0.70	0.54	91.33	0.42	0.37	10.42	0.78	H	+ 8.6	6.01		31		
3604	91.47	0.41	0.33	91.20	0.45	0.49	5.78	0.49	H	- 22.4	5.22	1	13		
5765	91.10	0.51	0.52	91.34	0.59	0.58	1.87	0.43	P	+ 12.	7.98		11	1	3
3598	90.84	0.48	0.51	91.31	0.50	0.54	7.52	0.79	H	- 10.3	4.95	2	33		
3601	91.18	0.95	0.75	90.84	0.62	0.68	8.28	1.01	H	- 5.3	6.70		11	1	3
3608	91.17	0.49	0.41	91.27	0.47	0.47	8.02	0.50	H	- 8.3	4.51		15	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5735	- 0.14	+ 0.42	+ 1.25	- 1.27	- 0.25	- 0.63	+ 0.10	+ 0.14	- 3.71	- 0.64
5736	+ 0.19	- 0.03	- 0.09	- 3.75	+ 1.71	- 0.28	+ 0.08	+ 0.22	- 1.71	- 0.59
5737	+ 0.02	- 0.03	- 0.11	+ 0.22	+ 0.03	- 0.38	+ 0.25	+ 0.59	- 3.85	- 0.12
5738	+ 0.12	- 0.03	- 0.10	- 1.71	+ 0.72	+ 0.09	- 0.03	- 0.08	- 4.19	+ 0.88
5739	- 0.51	+ 0.56	+ 0.95	- 3.09	- 0.07	+ 0.47	+ 0.01	+ 0.12	+ 1.60	+ 0.38
3576	+ 0.74	- 0.50	- 1.25	+ 2.89	+ 1.51	+ 0.03	- 0.03	- 0.09	- 0.28	+ 0.22
5740	+ 0.30	- 0.05	+ 0.04	- 1.60	+ 1.19	+ 1.11	- 0.68	- 1.43	+ 4.56	+ 1.64
5741	+ 0.05	- 0.11	- 0.28	- 0.47	+ 0.23	- 0.62	+ 0.24	+ 0.48	- 0.03	- 1.55
5742	+ 0.32	- 0.13	- 0.18	+ 1.82	+ 0.28	+ 1.07	- 0.37	- 0.52	+ 3.53	+ 1.31
5743	- 0.18	+ 0.24	+ 1.66	- 6.65	- 0.62	+ 0.19	- 0.05	- 0.29	- 2.45	+ 1.32
3579	+ 0.38	- 0.63	- 1.72	+ 4.24	+ 0.22	- 0.36	+ 0.23	+ 0.61	- 0.67	- 1.03
5744	+ 0.00	- 0.01	- 3.15	- 2.56	+ 1.47	+ 0.00	+ 0.00	+ 0.30	- 0.45	- 0.66
5745	- 0.10	+ 0.04	+ 0.06	- 1.03	- 0.05	+ 1.05	- 0.25	- 0.46	+ 4.52	+ 1.50
5746	+ 0.29	- 0.65	- 1.55	+ 0.76	+ 0.72	+ 0.64	- 0.42	- 0.92	- 2.78	+ 2.36
5747	+ 0.27	- 0.09	- 0.19	- 3.52	+ 1.16	+ 0.47	- 0.27	- 0.68	+ 2.61	+ 1.04
3581	- 0.97	+ 0.34	+ 0.87	- 5.25	- 1.62	+ 0.15	- 0.05	- 0.09	- 0.74	+ 0.72
5748	+ 0.07	- 0.17	- 2.72	- 1.15	+ 1.63	- 0.04	+ 0.07	+ 0.83	- 1.77	- 0.32
3582	+ 0.81	- 1.64	- 2.04	+ 1.93	+ 0.60	+ 0.85	- 0.47	- 0.54	+ 1.91	+ 0.66
3580	- 1.54	+ 0.17	+ 0.20	- 1.26	- 2.13	- 0.29	+ 0.04	+ 0.04	+ 2.14	- 1.24
5749	- 0.42	+ 0.16	+ 0.32	- 4.60	- 0.27	- 0.44	+ 0.10	+ 0.23	- 2.92	- 0.70
5750	+ 0.05	- 0.03	- 0.09	- 0.15	+ 0.16	+ 0.31	- 0.14	- 0.34	+ 2.27	+ 0.53
5751	+ 1.91	- 0.97	- 2.09	+ 8.86	+ 2.49	- 0.10	+ 0.01	+ 0.01	- 7.62	+ 1.97
5752	- 0.15	+ 0.06	+ 0.29	+ 1.40	- 1.75	- 0.05	+ 0.01	+ 0.06	- 2.89	+ 0.92
3586	+ 0.49	- 0.14	- 0.16	+ 1.56	+ 0.22	- 0.48	+ 0.11	+ 0.13	- 1.96	- 0.10
3585	+ 0.04	+ 0.06	+ 0.07	+ 5.02	- 1.94	+ 0.30	- 0.07	- 0.10	- 0.52	+ 0.79
5753	- 0.11	+ 0.05	+ 0.76	- 1.86	- 1.17	+ 0.01	+ 0.03	+ 0.42	+ 2.79	- 1.18
3583	- 0.68	+ 0.80	+ 1.31	+ 4.24	- 3.10	- 1.48	+ 0.34	+ 0.46	- 0.22	- 2.76
3588	- 0.06	+ 0.02	+ 0.14	- 0.83	- 0.26	- 0.05	+ 0.00	+ 0.05	+ 2.21	- 1.48
5756	+ 0.34	- 0.15	- 0.37	- 1.27	+ 1.19	- 0.01	+ 0.00	+ 0.00	+ 4.36	- 0.54
5757	+ 0.48	- 0.17	- 0.42	- 0.40	+ 1.44	- 0.33	+ 0.05	+ 0.12	+ 2.44	- 1.33
5758	+ 0.14	- 0.21	- 0.86	+ 2.30	+ 0.36	+ 0.30	- 0.26	- 1.13	- 1.39	+ 1.84
3591	- 0.14	+ 0.13	+ 0.17	+ 0.76	- 0.57	+ 0.11	- 0.03	- 0.05	+ 0.40	+ 0.08
5759	+ 0.87	- 0.29	- 0.40	+ 2.64	+ 0.97	- 0.59	+ 0.15	+ 0.21	+ 1.58	- 1.34
3592	+ 0.41	- 0.26	- 0.33	- 0.57	+ 1.14	- 0.18	+ 0.02	+ 0.03	- 2.88	+ 1.08
5760	- 0.67	+ 0.93	+ 2.75	- 2.03	- 2.01	+ 0.34	- 0.32	- 0.80	+ 3.84	- 0.24
3594	+ 0.19	- 0.01	- 0.03	+ 6.79	- 1.82	+ 1.13	- 0.17	- 0.26	+ 4.56	+ 0.64
3589	- 2.08	+ 0.22	+ 0.29	- 1.73	- 3.24	+ 0.38	- 0.17	- 0.23	+ 2.63	- 0.17
5761	+ 0.32	- 0.41	- 1.24	+ 0.47	+ 1.03	- 0.19	+ 0.14	+ 0.41	+ 1.04	- 0.70
3596	+ 0.58	- 2.88	- 5.78	+ 2.33	+ 0.81	- 0.52	+ 0.87	+ 1.32	- 2.43	- 0.27
3605	+ 1.02	- 0.47	- 0.65	+ 1.07	+ 1.58	+ 0.51	- 0.10	- 0.17	+ 3.90	+ 0.04
3595	- 1.27	+ 0.34	+ 0.70	- 4.94	- 2.13	+ 0.05	- 0.04	- 0.08	- 0.58	+ 0.29
3597	- 2.01	+ 1.46	+ 2.80	- 1.17	- 5.12	+ 0.60	- 0.33	- 0.61	- 1.76	+ 2.09
5763	+ 0.03	- 0.01	- 0.04	+ 0.35	+ 0.03	- 0.09	+ 0.03	+ 0.07	+ 1.87	- 0.69
5764	- 0.05	+ 0.02	+ 0.03	+ 0.77	- 0.17	+ 0.09	- 0.04	- 0.05	- 1.32	+ 0.33
3600	- 0.62	+ 0.61	+ 0.83	- 1.73	- 0.42	- 1.20	+ 0.40	+ 0.52	- 2.94	- 1.05
3604	- 1.05	+ 0.39	+ 0.48	- 1.70	- 1.22	+ 0.19	+ 0.20	+ 0.26	+ 0.20	+ 0.19
5765	- 0.13	+ 0.03	+ 0.09	- 1.47	- 0.25	- 0.29	+ 0.08	+ 0.27	- 2.20	- 0.78
3598	+ 0.42	- 0.17	- 0.28	- 0.61	+ 1.30	+ 0.69	- 0.24	- 0.39	- 5.38	+ 3.09
3601	- 0.56	+ 0.39	+ 0.61	+ 0.30	- 1.28	+ 0.93	- 0.88	- 1.36	+ 2.48	+ 1.13
3608	- 0.05	+ 0.14	+ 0.19	+ 0.40	- 0.21	- 0.87	+ 0.35	+ 0.47	- 2.87	- 0.80

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
5735	0.84	1.19	1.75	2.43	0.97	0.90	0.52	0.55	2.82	1.24	0.99	1.60		1.07	0.92	
5736	1.02	0.52	0.54	3.41	1.77	1.06	0.70	0.75	3.26	1.76	1.21	1.05	1.74	1.45	1.11	
5737	0.97	1.14	1.58	2.31	1.27	0.89	0.79	0.90	2.42	1.23	0.47	1.72		1.38	0.32	t
5738	0.75	0.55	0.60	2.88	1.17	0.74	0.56	0.62	3.02	1.11	1.45	1.00	0.32	1.76	0.65	t
5739	0.84	1.04	1.25	1.89	1.02	0.88	0.82	0.95	2.22	1.06	0.76	1.98		1.49	0.81	t
3576	0.96	0.85	0.97	2.28	1.40	0.88	0.60	0.64	2.11	1.32	1.67	1.63	3.00	0.55	0.35	t
5740	1.13	1.28	1.68	2.72	1.47	1.03	0.91	1.06	2.63	1.41	2.14	1.93	1.25	1.33	2.19	
5741	0.89	1.10	1.43	2.59	1.06	0.96	0.68	0.73	2.72	1.32	1.38	0.19		0.56	0.87	
5742	0.93	0.57	0.59	3.22	1.07	0.97	0.61	0.63	3.63	1.13	1.45	1.26		0.74	0.63	t
5743	0.81	0.83	1.15	3.15	1.09	0.65	0.43	0.46	3.52	1.21	2.56	1.85	1.45	2.07	0.61	
3579	0.78	0.87	1.11	1.97	0.99	0.85	0.66	0.73	2.41	1.23	2.67	1.68	0.97	1.82	1.24	t
5744	0.79	0.80	1.63	2.73	0.97	0.97	0.97	1.44	3.22	1.46	0.29	2.54	0.74	1.39	0.46	
5745	0.81	0.50	0.52	2.88	1.00	0.91	0.54	0.56	3.04	1.23	1.65	1.46	0.81	0.97	0.48	
5746	0.78	0.91	1.13	2.10	0.95	0.86	0.66	0.73	2.42	1.17	2.68	1.24		1.91	1.22	
5747	0.76	0.56	0.61	2.92	1.05	0.81	0.69	0.78	3.02	1.10	1.71	1.53		1.58	0.12	t
3581	1.07	0.77	0.84	2.83	1.69	0.93	0.60	0.64	2.32	1.40	2.09	1.43	2.76	1.23	1.15	t
5748	0.71	0.75	1.29	1.99	0.92	0.67	0.69	1.03	2.03	0.94	2.87	1.32		1.43	1.08	
3582	0.73	0.96	1.03	1.34	0.83	0.79	0.59	0.60	1.62	0.89	2.75	2.30	2.41	1.08	0.37	t
3580	1.03	0.37	0.37	2.02	1.28	0.93	0.44	0.45	1.94	1.10	1.27	2.08	0.52	1.56	0.81	t
5749	0.91	0.64	0.68	3.23	1.19	1.07	0.59	0.62	3.78	1.60	0.68	1.70		1.37	0.46	
5750	0.73	0.56	0.62	2.66	0.98	0.78	0.61	0.68	2.82	1.08	0.90	0.71	1.77	0.59	0.41	
5751	1.28	1.02	1.13	3.13	1.84	1.20	0.68	0.71	3.22	1.71	4.02	2.37	4.27	3.16	2.27	t
5752	1.32	1.10	1.24	3.80	2.48	1.22	0.93	1.01	3.62	2.42	0.83	0.80	0.89	1.12	1.61	
3586	0.86	0.45	0.46	1.75	0.94	0.95	0.46	0.47	2.02	1.12	1.38	0.41	3.17	1.05	0.38	t
3585	0.68	0.50	0.52	1.41	0.85	0.75	0.39	0.40	1.61	0.98	3.29	2.17	0.75	4.28	1.72	t
5753	1.13	1.07	1.34	3.33	2.20	1.07	0.99	1.21	3.52	2.14	0.93	1.00		0.98	0.95	t
3583	1.01	1.07	1.22	2.21	1.26	1.00	0.59	0.62	2.32	1.30	1.19	3.48	2.36	3.04	1.26	t
3588	0.51	0.44	0.50	1.67	0.95	0.51	0.38	0.40	2.22	1.37	1.11	1.13	1.25	1.45	1.95	t
5756	0.54	0.42	0.46	2.08	0.77	0.55	0.39	0.42	2.33	0.80	1.89	1.84	0.72	2.28	0.77	t
5757	0.88	0.64	0.70	3.25	1.25	0.87	0.50	0.52	3.23	1.31	1.67	0.71		1.20	3.04	
5758	0.65	0.64	0.80	2.49	0.86	0.75	0.69	0.84	2.62	1.10	2.27	1.22		1.35	1.25	t
3591	0.50	0.47	0.50	1.00	0.61	0.66	0.52	0.56	1.44	0.86	0.59	0.96	0.68	1.15	0.70	
5759	1.22	0.72	0.74	3.85	1.42	1.36	0.59	0.60	3.91	1.70	0.85	1.19	1.33	0.80	0.89	
3592	0.72	0.55	0.57	1.32	0.91	0.79	0.56	0.58	1.52	1.03	1.80	1.60	0.76	2.41	1.21	t
5760	1.17	1.26	1.60	2.47	1.65	1.08	1.09	1.30	2.53	1.49	2.10	2.31		1.39	1.51	
3594	0.78	0.40	0.41	1.82	0.98	0.89	0.40	0.41	2.01	1.22	4.34	1.83	2.41	4.49	3.48	t
3589	1.08	0.37	0.37	2.27	1.42	1.04	0.51	0.52	2.33	1.29	1.48	2.41	1.70	1.19	0.84	
5761	0.65	0.68	0.85	2.69	0.81	0.65	0.54	0.61	3.02	0.89	0.64	2.13	3.14	0.59	1.31	t
3596	0.54	0.93	1.22	1.09	0.64	0.58	0.73	0.85	1.22	0.71	5.62	5.05	4.87	1.94	2.57	t
3605	0.74	0.52	0.54	1.52	0.95	0.99	0.49	0.50	2.63	1.38	1.85	2.04	2.03	1.33	0.84	t
3595	1.45	0.90	0.95	4.11	2.12	1.40	0.68	0.70	4.31	2.01	1.34	1.23	1.42	0.63	0.83	
3597	1.21	1.03	1.15	2.88	1.64	1.17	0.69	0.72	2.91	1.63	1.34	4.17	2.22	1.66	1.74	t
5763	0.96	0.86	1.01	2.95	1.34	0.92	0.68	0.74	2.93	1.37	0.61	0.49	0.71	0.80	0.86	
5764	0.89	0.79	0.84	2.87	1.01	0.95	0.70	0.74	2.92	1.11	0.34	0.49		0.61	0.72	t
3600	0.85	0.66	0.70	1.55	1.11	0.84	0.42	0.43	1.81	1.04	2.33	1.62	3.40	1.14	2.43	
3604	0.62	0.38	0.39	1.45	0.71	0.89	0.54	0.57	2.32	1.18	1.45	2.12	1.49	0.30	1.63	t
5765	0.79	0.54	0.58	3.05	1.31	0.82	0.60	0.65	3.02	1.36	0.74	0.95		0.56	0.55	
3598	1.05	0.55	0.57	2.40	1.50	1.01	0.58	0.61	2.52	1.34	1.93	2.51	1.84	3.04	1.17	t
3601	0.99	0.95	1.07	2.41	1.20	0.88	0.88	0.98	1.91	1.11	1.80	2.15	1.34	0.85	1.08	
3608	0.60	0.54	0.57	1.32	0.66	0.83	0.54	0.56	2.13	1.00	1.53	1.17	1.02	0.97	0.75	t

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	''	[mas/yr]		[mas/yr]		
3602	98761	RS		20	3	33.457 552	-	37	56	26.521 43	+	62.44	-	86.14
3614	98853	RS		20	4	26.748 909	+	73	54	34.039 44	+	12.30	+	18.87
3607	98896	RS		20	4	58.039 695	-	21	18	50.721 71	+	49.05	-	35.97
3609	98920	BX	η Sge	20	5	9.493 363	+	19	59	27.856 08	+	30.20	+	79.85
5768	98926	FX		20	5	12.009 980	-	26	48	47.753 42	+	11.63	-	8.66
3612	98962	BX	66 Dra	20	5	32.879 283	+	61	59	43.511 27	+	124.07	+	70.59
5769	98964	FX		20	5	33.633 294	+	3	30	9.940 47	+	137.02	-	139.45
3613	99026	RS		20	6	13.845 813	+	53	9	56.474 83	+	212.71	+	255.08
5771	99050	FX		20	6	36.237 289	-	4	25	2.801 33	-	1.98	-	17.73
5772	99077	FX		20	6	50.292 196	-	12	26	23.503 47	-	5.56	-	4.24
3611	99080	BX	17 Vul	20	6	53.407 468	+	23	36	51.931 88	+	15.04	+	0.59
5773	99109	FX		20	7	17.120 551	-	39	21	9.507 10	-	9.01	-	7.19
3615	99145	RS		20	7	41.441 278	+	34	25	22.460 14	+	0.87	-	6.03
3616	99234	RS		20	8	38.279 482	+	10	43	33.120 75	+	3.83	-	1.78
5775	99358	FX		20	10	1.324 713	-	63	39	31.476 15	+	6.50	-	2.51
5776	99435	FX		20	10	56.911 563	+	68	16	19.975 92	-	8.39	-	3.27
3618	99457	RS		20	11	10.077 770	-	8	50	32.438 61	+	2.14	-	1.96
3617	99465	BX		20	11	15.794 201	-	43	39	44.254 00	+	8.05	-	4.14
5777	99493	FX		20	11	28.700 542	-	24	13	36.831 00	+	15.46	-	27.10
5778	99530	FX		20	11	59.066 217	+	59	41	29.618 99	+	42.59	+	86.48
5779	99687	FX		20	13	45.101 096	-	87	49	22.761 09	+	79.54	-	121.32
5780	99704	FX		20	13	55.470 415	+	39	9	32.455 80	+	38.99	+	19.40
3619	99762	RS		20	14	26.906 981	-	63	24	56.842 20	-	38.70	+	30.68
5782	99763	FX		20	14	27.866 735	-	18	5	38.115 71	+	7.41	+	27.47
5784	99849	FX		20	15	28.382 167	-	7	31	52.947 18	+	2.27	+	3.06
5785	99850	FX		20	15	29.197 241	-	68	25	57.157 33	-	0.70	-	22.43
5786	99869	FX		20	15	43.064 336	-	2	33	51.695 59	-	0.10	+	8.68
3621	99878	RS		20	15	50.608 560	-	30	0	19.000 21	+	33.71	+	7.72
3623	99894	BX		20	16	6.004 330	+	4	34	50.853 22	-	40.56	-	52.24
5787	99926	FX		20	16	26.447 815	-	35	11	54.485 79	-	0.01	+	53.12
5788	99952	FX		20	16	47.450 148	-	20	56	0.392 84	-	6.25	-	13.74
5789	99981	FX		20	16	59.916 993	-	31	12	28.964 73	-	40.44	-	63.51
5790	99995	FX		20	17	9.776 319	+	15	52	21.614 84	-	4.66	-	10.11
5791	100090	FX		20	18	19.325 282	-	51	5	12.648 07	-	2.16	-	26.20
3622	100103	RS		20	18	26.960 997	-	72	58	45.599 87	+	6.91	-	37.35
3624	100121	RS		20	18	37.500 656	+	0	38	27.855 30	+	72.86	-	1.18
3631	100261	BX		20	20	6.013 743	+	68	52	49.142 82	+	18.56	+	26.43
3629	100274	BX		20	20	20.524 053	+	14	34	9.321 25	-	3.15	+	5.68
3628	100283	BX		20	20	26.146 568	-	6	21	42.237 93	-	81.71	-	90.10
3626	100300	BX		20	20	32.315 504	-	55	3	3.174 86	+	10.88	-	32.30
5792	100359	FX		20	21	13.238 662	-	81	36	57.316 79	+	106.92	-	171.77
5793	100403	FX		20	21	38.364 007	+	55	13	35.303 61	+	1.09	-	7.28
3630	100412	RS		20	21	41.034 918	-	49	59	57.894 73	-	359.22	-	250.04
5794	100447	FX		20	22	12.613 504	+	50	32	28.084 35	+	9.02	+	5.91
5796	100516	FX		20	22	56.357 035	+	3	23	16.125 72	-	5.23	-	4.40
3632	100524	RS		20	23	0.790 510	-	9	39	16.955 33	+	25.96	-	16.16
5797	100547	FX		20	23	15.753 898	+	11	5	6.282 93	+	16.42	-	21.37
5798	100555	FX		20	23	24.906 222	+	23	40	10.983 47	+	4.68	+	2.04
5800	100579	FX		20	23	48.037 787	+	37	1	34.093 33	+	2.59	-	0.56
3633	100587	BX	39 Cyg	20	23	51.621 949	+	32	11	24.619 25	+	37.62	-	5.74

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3602	91.21	0.73	0.72	91.30	0.48	0.53	8.05	0.83	H	- 38.3	4.77		21	2	
3614	91.29	0.54	0.45	91.30	0.53	0.54	6.43	0.58	H		6.91		11	1	3
3607	91.04	0.80	0.53	91.05	0.54	0.50	3.93	0.90	H	- 19.7	7.11		23	2	
3609	91.26	0.54	0.42	91.13	0.46	0.45	20.17	0.71	H	- 40.2	5.09		19	1	1
5768	91.27	0.76	0.51	91.49	0.47	0.40	6.07	0.85	H		7.24		31		
3612	91.05	0.43	0.39	91.23	0.38	0.34	18.78	0.44	H	+ 5.5	5.40		31		
5769	90.93	0.95	0.73	91.00	0.73	0.77	23.22	1.24	H		8.35		31		
3613	91.16	0.42	0.41	91.35	0.39	0.37	27.43	0.46	H	- 40.9	5.81		19	1	1
5771	91.03	0.83	0.82	90.72	0.60	0.81	5.48	1.05	H		7.12		11	1	3
5772	91.36	0.94	0.88	90.95	0.67	0.79	12.17	1.03	H		7.70		11	1	3
3611	91.38	0.46	0.37	91.50	0.38	0.34	6.68	0.71	H	- 7.6	5.08		19	1	1
5773	91.21	1.24	1.24	91.20	0.63	0.91	1.46	1.34	H		8.63		11	1	3
3615	91.11	0.40	0.41	91.24	0.41	0.43	.50	0.07	P	+ 10.3	6.12		19	1	1
3616	90.97	0.65	0.67	91.02	0.49	0.59	3.20	0.44	P	- 27.	6.34		31		
5775	91.12	0.66	0.60	91.37	0.60	0.65	2.69	0.62	P		7.81	2	31		
5776	91.19	0.49	0.47	91.32	0.47	0.41	1.70	0.23	P	- 37.5	6.84		11	1	3
3618	91.38	0.84	0.77	91.05	0.60	0.70	1.40	0.32	P	- 7.	6.39	2	11	1	3
3617	91.08	0.79	0.90	91.14	0.47	0.69	4.80	0.87	H		6.54		11	1	3
5777	91.22	0.88	0.67	91.09	0.66	0.73	2.58	1.06	H		8.36		11	1	3
5778	91.11	0.54	0.50	91.29	0.46	0.43	16.25	0.53	H	+ 25.	7.09		11	1	3
5779	91.14	0.65	0.71	91.05	0.59	0.58	12.24	0.71	H		8.44		11	1	3
5780	91.12	0.45	0.45	91.42	0.49	0.45	6.91	0.61	H	- 26.6	7.09		31		
3619	91.02	0.54	0.56	91.35	0.51	0.57	13.88	0.78	H	+ 16.8	6.09		11	1	3
5782	91.25	0.96	0.63	91.05	0.63	0.65	7.41	1.06	H		8.14		11	1	3
5784	91.19	0.93	0.85	90.87	0.47	0.64	4.73	1.08	H		6.85		11	1	3
5785	91.23	0.46	0.51	91.21	0.67	0.76	1.98	0.45	P		8.28	2	21	2	
5786	91.10	0.88	0.88	91.09	0.54	0.62	7.58	1.02	H		7.81		11	1	3
3621	91.31	0.69	0.62	91.34	0.40	0.47	2.84	0.81	H	- 98.5	6.30		38		
3623	91.04	0.65	0.44	90.86	0.49	0.46	14.84	0.91	H		6.44		11	1	3
5787	91.60	0.73	0.78	91.33	0.44	0.52	23.48	0.84	H	- 8.0	6.55		11	1	3
5788	91.39	1.14	0.75	91.16	0.81	0.80	4.04	1.47	H		9.11		31		
5789	91.21	0.82	0.82	91.25	0.44	0.57	3.89	0.98	H		7.74		11	1	3
5790	91.21	0.64	0.55	91.05	0.56	0.58	.90	0.12	P	+ 20.3	7.48	2	11	1	3
5791	90.95	0.79	0.85	91.10	0.57	0.72	6.17	0.89	H		7.56	1	11	1	3
3622	91.31	0.41	0.46	91.37	0.48	0.53	4.71	0.64	H		6.57		11	1	3
3624	90.85	0.74	0.92	90.75	0.53	0.92	9.99	1.16	H		6.92		11	1	3
3631	91.34	0.50	0.47	91.33	0.46	0.39	4.79	0.52	H	- 43.3	5.59	2	13		
3629	91.15	0.59	0.45	90.93	0.51	0.48	5.93	0.80	H	+ 9.6	6.17		11	1	3
3628	91.07	0.87	0.52	90.96	0.50	0.50	5.41	1.02	H	+ 42.9	6.63		11	1	3
3626	91.45	0.63	0.73	91.29	0.55	0.60	4.02	0.84	H	- 9.1	6.27	1	11	1	3
5792	91.29	0.61	0.65	91.43	0.61	0.69	13.91	0.80	H		8.65		31		
5793	91.14	0.75	0.71	91.24	0.72	0.68	1.51	0.83	H		9.02		11	1	3
3630	91.22	0.78	0.89	91.21	0.50	0.68	30.84	0.88	H	+ 17.9	6.26		11	1	3
5794	91.25	0.52	0.53	91.25	0.47	0.47	4.96	0.58	H		7.01		11	1	3
5796	91.01	0.98	0.72	90.66	0.74	0.85	1.86	1.37	H		8.60		11	1	3
3632	91.32	0.87	0.83	91.00	0.45	0.55	7.49	0.99	H	- 16.4	6.29		11	1	3
5797	91.55	0.80	0.69	91.25	0.68	0.74	8.47	1.07	H		7.56		11	1	3
5798	91.31	0.53	0.62	91.32	0.57	0.64	-.22	0.87	H	- 16.	7.97		15	1	3
5800	91.26	0.41	0.42	91.60	0.43	0.43	2.28	0.58	H	- 13.	6.81		11	1	3
3633	91.12	0.37	0.36	91.44	0.42	0.38	12.77	0.62	H	- 12.2	4.43		21	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3602	- 2.01	+ 1.35	+ 2.27	- 4.21	- 3.25	- 1.20	+ 0.43	+ 0.70	- 3.79	- 1.26
3614	- 0.26	+ 0.07	+ 0.10	- 2.97	+ 0.73	- 0.06	+ 0.01	+ 0.02	+ 1.08	- 0.52
3607	- 0.82	+ 2.73	+ 5.30	- 1.88	- 1.62	+ 0.79	- 1.22	- 2.01	+ 2.01	+ 1.17
3609	- 0.20	+ 0.36	+ 0.41	- 0.43	- 0.14	+ 0.10	- 0.18	- 0.20	- 1.25	+ 0.52
5768	+ 1.01	- 1.68	- 2.50	+ 3.15	+ 1.27	- 0.18	- 0.37	- 0.62	- 0.10	- 0.16
3612	+ 0.25	- 0.23	- 0.25	- 2.03	+ 1.27	- 0.09	+ 0.01	+ 0.01	+ 2.53	- 0.83
5769	+ 0.37	+ 0.02	+ 0.41	+ 0.66	+ 0.37	- 1.50	+ 1.74	+ 2.50	- 5.38	- 1.39
3613	- 0.30	+ 0.14	+ 0.15	- 0.83	- 0.15	- 0.83	+ 0.11	+ 0.13	- 2.26	- 0.39
5771	- 0.02	+ 0.03	+ 0.08	- 0.05	- 0.04	- 0.03	+ 0.02	+ 0.06	+ 1.16	- 0.37
5772	- 0.92	+ 0.61	+ 1.01	- 3.49	- 1.17	+ 1.08	- 0.44	- 0.70	+ 2.74	+ 1.57
3611	- 0.12	+ 0.11	+ 0.14	+ 0.11	- 0.29	+ 0.35	- 0.11	- 0.14	+ 2.10	- 0.24
5773	- 0.08	+ 0.05	+ 0.59	- 6.16	+ 1.00	+ 0.01	- 0.01	- 0.14	- 1.48	+ 0.62
3615	- 0.28	+ 0.04	+ 0.34	- 0.24	- 2.87	+ 0.03	+ 0.00	- 0.04	+ 5.17	- 1.21
3616	- 0.01	- 0.01	+ 0.00	- 2.16	+ 0.77	+ 0.07	- 0.01	- 0.03	+ 3.42	- 1.23
5775	- 0.29	+ 0.07	+ 0.22	+ 8.53	- 2.65	+ 0.49	- 0.18	- 0.52	- 1.92	+ 1.98
5776	- 0.11	+ 0.10	+ 0.25	- 1.56	- 0.15	- 0.31	+ 0.11	+ 0.26	- 3.61	- 0.40
3618	+ 0.18	- 0.15	- 0.75	+ 1.70	+ 0.76	+ 0.05	- 0.02	- 0.11	+ 1.52	- 0.02
3617	+ 0.45	- 0.45	- 1.16	- 0.56	+ 1.84	+ 0.29	- 0.08	- 0.12	+ 2.56	- 0.24
5777	+ 0.19	- 0.26	- 0.73	- 0.56	+ 0.74	- 0.12	- 0.02	- 0.11	- 4.27	+ 0.77
5778	+ 0.77	- 0.31	- 0.37	+ 2.46	+ 0.66	- 1.33	+ 0.18	+ 0.23	- 0.55	- 1.91
5779	- 1.10	+ 0.38	+ 0.65	- 1.55	- 2.08	+ 1.85	- 0.36	- 0.60	+ 3.31	+ 3.06
5780	+ 0.41	- 0.16	- 0.22	+ 2.43	+ 0.30	+ 0.77	- 0.29	- 0.39	+ 6.34	+ 0.39
3619	+ 2.40	- 0.31	- 0.51	+ 5.39	+ 3.67	+ 0.12	+ 0.07	+ 0.12	+ 7.26	- 1.61
5782	- 0.22	+ 0.69	+ 1.18	- 1.55	- 0.21	+ 0.13	- 0.14	- 0.24	+ 0.63	+ 0.12
5784	+ 0.32	- 0.20	- 0.52	+ 1.93	+ 0.55	- 0.05	- 0.03	- 0.09	+ 4.14	- 0.84
5785	+ 0.65	- 0.14	- 0.70	- 1.93	+ 4.76	- 0.78	+ 0.31	+ 1.53	+ 6.24	- 5.91
5786	+ 0.29	- 0.09	- 0.14	+ 1.67	+ 0.17	- 1.47	+ 0.38	+ 0.66	- 3.87	- 2.25
3621	- 0.14	+ 0.04	+ 0.10	+ 0.82	- 0.78	+ 0.19	- 0.01	- 0.02	+ 5.70	- 1.34
3623	+ 0.10	- 0.13	- 0.16	+ 0.71	- 0.12	- 0.71	+ 0.93	+ 1.08	- 2.17	- 0.51
5787	+ 0.31	- 0.13	- 0.19	- 0.15	+ 0.68	+ 0.14	- 0.05	- 0.07	- 0.32	+ 0.39
5788	- 0.01	+ 0.08	+ 0.30	+ 0.82	- 0.22	- 0.57	+ 0.74	+ 1.90	- 5.10	- 0.66
5789	- 0.23	+ 0.02	+ 0.05	- 1.72	- 0.19	+ 1.02	- 0.25	- 0.55	+ 0.99	+ 2.58
5790	+ 0.06	- 0.05	- 0.17	+ 0.33	+ 0.24	+ 0.28	- 0.13	- 0.64	+ 0.40	+ 1.54
5791	- 0.03	- 0.01	- 0.02	- 2.21	+ 0.59	- 0.17	+ 0.09	+ 0.17	- 1.22	- 0.10
3622	+ 0.07	+ 0.01	+ 0.03	- 3.93	+ 1.18	+ 0.74	- 0.04	- 0.16	+ 7.63	+ 0.87
3624	+ 0.09	- 0.14	- 0.28	- 0.38	+ 0.27	- 0.01	- 0.03	- 0.06	+ 1.10	- 0.25
3631	+ 0.64	- 0.37	- 0.54	- 0.11	+ 1.36	- 0.27	+ 0.00	+ 0.01	- 2.84	+ 0.17
3629	+ 0.10	- 0.04	- 0.04	+ 0.82	- 0.13	- 0.33	+ 0.36	+ 0.50	- 1.39	- 0.19
3628	+ 0.04	- 0.31	- 0.56	- 1.02	+ 0.43	+ 0.02	- 0.06	- 0.10	- 1.35	+ 0.37
3626	- 0.80	+ 0.26	+ 0.68	- 0.84	- 2.64	+ 0.38	- 0.06	- 0.10	+ 1.00	+ 0.68
5792	+ 0.02	+ 0.03	+ 0.07	- 1.66	+ 0.51	+ 2.19	- 0.28	- 0.54	+12.63	+ 1.59
5793	+ 0.14	- 0.10	- 0.42	+ 1.17	+ 0.55	+ 0.28	- 0.11	- 0.52	+ 3.26	+ 1.04
3630	+ 0.59	- 0.44	- 0.62	+ 2.26	+ 0.20	+ 0.86	- 0.26	- 0.31	+ 2.63	+ 0.57
5794	+ 0.52	- 0.18	- 0.32	+ 1.23	+ 0.86	- 0.42	+ 0.10	+ 0.18	+ 2.09	- 1.28
5796	+ 0.03	+ 0.05	+ 0.59	+ 0.76	- 0.09	- 0.15	+ 0.26	+ 1.48	- 1.35	- 0.62
3632	- 0.76	+ 0.56	+ 1.08	- 3.70	- 0.99	+ 0.39	- 0.06	- 0.12	- 2.23	+ 1.85
5797	- 0.81	+ 0.50	+ 0.81	- 5.75	- 0.71	+ 0.48	+ 0.07	+ 0.17	- 0.24	+ 0.78
5798	+ 0.00	+ 0.00	- 0.22	+ 0.16	- 0.11	+ 0.00	+ 0.00	- 0.70	+ 0.88	+ 2.53
5800	- 0.28	+ 0.03	+ 0.10	- 7.03	- 0.03	+ 0.10	- 0.01	- 0.04	- 3.95	+ 0.91
3633	+ 4.21	- 1.69	- 1.91	+10.34	+ 3.06	+ 2.29	- 0.05	- 0.07	- 0.52	+ 4.21

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TH	
3602	1.02	0.84	0.91	2.27	1.35	1.02	0.58	0.60	2.31	1.40	3.23	3.59	3.38	1.00	3.01	
3614	0.82	0.50	0.52	1.72	1.07	1.17	0.56	0.58	3.22	1.81	1.74	0.60	0.39	1.88	1.46	
3607	0.58	0.86	1.08	1.30	0.69	0.60	0.69	0.78	1.51	0.72	4.84	6.13	6.91	0.53	3.50	t
3609	0.55	0.70	0.73	1.03	0.58	0.60	0.68	0.70	1.31	0.65	0.96	0.99	1.11	1.23	0.54	t
5768	0.63	0.76	0.86	1.91	0.70	0.61	0.52	0.56	2.12	0.67	2.70	3.41	2.70	0.93	1.55	
3612	0.65	0.48	0.49	1.25	0.73	0.80	0.38	0.38	1.83	0.92	1.90	1.93	0.58	2.81	0.91	
5769	0.84	1.39	1.65	2.29	0.90	1.00	1.14	1.30	2.62	1.13	2.73	2.39	2.12	1.40	0.79	
3613	0.79	0.50	0.51	1.56	0.77	1.01	0.39	0.39	1.92	1.23	1.36	0.52	1.77	0.90	1.13	t
5771	0.96	1.05	1.30	2.28	1.24	1.04	0.94	1.10	2.82	1.42	0.37	0.24	0.88	0.48	0.64	
5772	1.18	1.06	1.17	3.39	1.45	1.19	0.90	0.97	3.61	1.49	1.56	1.78	1.90	0.70	1.76	
3611	0.67	0.44	0.46	1.27	0.82	0.74	0.38	0.39	1.51	0.95	1.43	0.48	0.48	1.33	0.83	t
5773	1.32	1.27	1.58	3.86	2.34	1.04	0.93	1.09	3.52	1.90	0.38	1.67		1.67	0.57	
3615	0.56	0.42	0.44	2.98	1.29	0.60	0.44	0.45	3.31	1.90	1.57	2.43	0.94	1.86	1.82	t
3616	0.86	0.76	0.87	2.08	1.23	0.93	0.62	0.66	2.41	1.55	1.68	0.87	2.71	2.02	1.05	t
5775	0.91	0.63	0.68	3.30	1.44	0.90	0.69	0.76	3.33	1.35	2.50	2.42	0.87	3.29	1.15	
5776	0.61	0.54	0.61	2.48	0.79	0.64	0.44	0.47	2.65	0.89	1.60	0.75	0.81	1.27	1.92	
3618	0.86	0.83	1.03	2.69	1.27	0.88	0.72	0.80	3.21	1.62	0.98	0.92	0.38	0.53	1.41	t
3617	1.06	1.06	1.28	2.52	1.47	0.96	0.78	0.87	2.22	1.37	1.15	1.54	1.25	1.35	1.06	
5777	0.75	0.84	1.10	2.09	0.96	0.88	0.82	1.00	2.52	1.26	1.07	1.55		1.88	0.22	
5778	0.85	0.58	0.60	2.33	0.96	1.05	0.46	0.47	3.03	1.25	1.21	1.86	2.17	0.83	0.47	
5779	1.32	0.76	0.79	3.45	1.83	1.29	0.61	0.63	3.25	1.81	2.31	1.33		0.15	1.97	
5780	0.80	0.51	0.53	2.48	0.94	0.79	0.50	0.52	2.63	0.91	2.72	0.88	1.51	2.29	1.46	
3619	1.38	0.59	0.60	3.58	1.90	1.42	0.60	0.61	4.01	1.94	2.40	2.25	0.69	2.03	1.43	
5782	0.70	1.05	1.26	2.04	0.78	0.85	0.83	0.91	2.32	1.03	0.97	1.19		0.65	0.40	
5784	1.08	0.96	1.11	3.15	1.51	0.95	0.71	0.78	3.02	1.28	1.53	0.80	0.92	1.57	1.91	t
5785	0.90	0.52	0.55	3.91	1.91	0.98	0.79	0.88	3.84	1.68	1.23	4.67	1.59	3.28	1.55	
5786	1.07	1.09	1.27	2.73	1.37	1.09	0.67	0.71	3.02	1.47	1.60	1.81	1.83	0.69	0.71	
3621	0.89	0.67	0.75	2.36	1.37	0.87	0.49	0.53	2.51	1.45	2.24	0.99	2.89	2.50	0.07	t
3623	0.56	0.78	0.83	1.09	0.60	0.62	0.67	0.70	1.42	0.67	2.16	1.64	1.80	1.25	0.33	
5787	1.36	0.88	0.92	3.10	1.75	1.34	0.55	0.56	3.12	1.76	0.08	0.49	1.54	0.31	0.84	
5788	0.80	1.07	1.46	2.14	0.96	0.91	0.98	1.21	2.52	1.17	1.54	2.52		1.66	0.81	
5789	1.02	0.92	1.07	2.85	1.44	0.94	0.60	0.65	2.82	1.40	0.80	2.05	1.99	0.70	0.37	
5790	0.61	0.61	0.77	3.05	0.81	0.69	0.60	0.70	3.31	1.09	0.35	1.74	1.50	0.33	1.03	
5791	1.07	1.00	1.16	2.67	1.44	1.03	0.82	0.90	2.73	1.39	0.90	0.36	0.91	0.99	0.71	
3622	1.19	0.46	0.47	4.63	2.23	1.26	0.54	0.55	4.22	2.74	2.02	0.63	0.36	1.67	0.65	
3624	1.11	1.24	1.47	3.46	1.27	1.43	1.00	1.09	4.21	2.07	0.27	0.30	0.57	0.34	0.76	
3631	0.71	0.55	0.59	1.56	0.91	0.87	0.41	0.42	2.42	1.20	1.19	1.75	0.92	1.38	0.65	t
3629	0.57	0.64	0.70	1.18	0.67	0.62	0.65	0.71	1.42	0.74	1.37	0.67	1.31	1.02	1.23	
3628	0.57	0.97	1.23	1.23	0.64	0.65	0.66	0.72	1.62	0.77	0.74	0.81	1.42	1.42	0.52	t
3626	1.06	0.78	0.85	2.68	1.69	0.94	0.65	0.70	2.32	1.42	0.71	1.85	1.51	0.58	1.49	
5792	1.53	0.67	0.69	4.23	2.29	1.54	0.71	0.73	4.17	2.32	0.90	3.14		2.36	1.73	
5793	0.82	0.76	0.91	3.46	1.18	0.84	0.71	0.81	4.02	1.33	1.19	1.02		0.55	1.10	
3630	1.18	1.21	1.32	2.33	1.44	1.17	0.81	0.85	2.52	1.41	1.59	0.73	2.39	1.04	0.83	
5794	0.87	0.58	0.61	2.89	1.13	0.92	0.49	0.51	2.93	1.25	0.83	1.41	1.13	1.06	1.20	
5796	0.76	0.91	1.44	2.29	0.93	0.90	1.00	1.53	2.62	1.17	1.09	0.95		0.43	1.73	
3632	1.11	0.97	1.09	2.97	1.41	1.18	0.57	0.59	3.01	1.79	1.66	1.56	2.24	1.43	0.93	t
5797	0.95	0.87	0.99	3.27	1.12	1.05	0.90	1.02	3.61	1.28	1.20	1.92		1.48	0.76	
5798	0.62	0.62	0.73	3.19	1.34	0.64	0.64	0.74	3.31	1.44	0.48	2.00	1.53	0.46	1.03	t
5800	0.83	0.43	0.45	3.86	1.37	0.85	0.43	0.45	4.02	1.46	2.08	0.63	1.70	2.05	0.84	
3633	0.68	0.43	0.44	1.43	0.72	0.84	0.42	0.43	1.62	1.05	8.17	7.17	8.55	5.16	7.19	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5801	100666	FX		20 24 38.300380	+ 8 35 50.94941	+ 4.84	- 7.31
5802	100732	FX		20 25 20.914020	- 29 59 4.47391	+ 15.60	+ 0.61
3634	100754	RS		20 25 40.529408	+ 21 24 34.71025	+ 8.82	- 8.64
5804	100830	FX		20 26 40.014057	- 42 3 19.66163	+ 9.93	+ 13.76
5805	100891	FX		20 27 25.610483	- 78 45 20.61030	+ 18.92	- 9.50
5806	100903	FX		20 27 33.634538	- 74 17 6.27323	+ 29.27	- 15.91
3636	100947	BX		20 28 1.285010	- 25 36 23.23987	+ 27.29	+ 23.99
3638	100953	BX		20 28 7.540016	+ 8 26 14.81030	+ 41.28	+ 16.72
3963	100965	BX	75 Dra	20 28 14.587294	+ 81 25 21.74865	+ 33.96	+ 15.92
3637	101017	RS		20 28 46.738858	- 35 35 45.10609	+ 3.66	- 20.56
5807	101088	FX		20 29 30.015975	- 12 35 28.98517	- 2.91	- 6.45
3639	101090	BX		20 29 31.341453	- 22 23 29.63882	+ 9.25	- 30.73
5808	101188	FX		20 30 35.979745	+ 18 32 59.22710	+ 14.38	+ 6.69
5809	101201	FX		20 30 48.611161	- 52 48 28.99431	+ 17.74	- 19.51
5810	101406	FX		20 33 3.406547	- 2 7 57.87255	+ 10.13	- 2.85
3643	101477	BX	ν Mic	20 33 55.072407	- 44 30 57.77483	+ 11.38	- 35.86
3645	101507	BX		20 34 11.697160	- 13 43 15.92868	+ 68.73	+ 70.24
3646	101556	RS		20 34 50.403210	+ 51 51 15.19833	- 3.01	- 5.23
3642	101570	RS		20 35 6.271513	- 71 11 19.60474	- 38.24	+ 12.12
5812	101634	FX		20 36 0.683184	+ 79 25 49.38355	- 2.83	+ 4.54
3648	101692	BX	70 Aql	20 36 43.632819	- 2 32 59.84218	+ 9.87	- 15.65
3649	101716	BX	27 Vul	20 37 4.673104	+ 26 27 43.01119	+ 16.10	- 11.29
5813	101721	FX		20 37 8.437688	+ 64 21 37.90370	+ 12.66	+ 6.50
3647	101773	BX	ρ Pav	20 37 35.312098	- 61 31 47.70762	+ 59.13	- 71.85
5814	101812	FX		20 37 56.086930	- 57 52 26.41937	+ 78.83	+ 27.26
5815	101865	FX		20 38 30.148986	- 70 4 22.22285	+ 4.71	- 27.16
5816	101884	FX		20 38 47.449887	+ 89 24 23.42577	- 1.90	- 11.32
5817	101972	FX		20 39 54.671355	- 40 58 19.95898	+ 8.77	- 37.22
3654	102011	RS		20 40 17.894640	+ 60 30 18.95190	+ 14.40	+ 185.68
5819	102051	FX		20 40 53.278491	+ 41 12 8.98734	+ 7.69	- 0.96
3652	102092	RS		20 41 23.658449	- 31 35 53.83886	+ 111.01	- 60.16
5820	102097	FX		20 41 25.200914	+ 54 12 33.92434	- 2.88	- 10.82
3655	102155	RS		20 41 56.501195	+ 41 43 0.74794	+ 4.35	+ 1.01
3650	102162	BX	μ^1 Oct	20 42 2.986392	- 76 10 50.13102	+ 190.52	- 9.47
5821	102181	FX		20 42 15.717620	- 44 53 6.73313	+ 4.54	+ 1.77
3656	102253	RS	4 Cep	20 43 11.020783	+ 66 39 26.80982	+ 25.26	+ 34.66
5822	102336	FX		20 44 4.100740	- 31 55 42.28483	+ 7.02	- 2.69
5823	102340	FX		20 44 7.882827	- 4 6 34.67239	+ 9.27	- 4.85
5824	102371	FX		20 44 33.273313	- 14 11 8.89328	+ 18.92	- 17.00
5825	102373	FX		20 44 35.358727	- 28 12 16.65008	+ 49.21	- 22.85
5826	102379	FX		20 44 37.061655	- 10 29 41.18034	+ 110.30	- 123.81
5827	102384	FX		20 44 46.794506	+ 20 29 22.93376	- 9.03	- 43.73
5828	102427	FX		20 45 19.986583	+ 7 2 20.03189	- 9.46	+ 1.84
5830	102494	FX		20 46 16.684233	- 23 43 26.42445	- 7.29	- 8.63
5831	102521	FX		20 46 34.268620	- 17 9 46.44831	- 65.68	- 61.15
5832	102590	FX		20 47 25.945508	+ 49 23 17.79888	+ 16.06	- 22.47
5833	102614	FX		20 47 39.582540	- 7 6 40.06079	- 6.17	- 3.47
5834	102649	FX		20 48 5.340220	- 34 44 58.74933	+ 4.52	- 30.30
5835	102654	FX		20 48 10.283019	+ 24 38 23.62457	+ 4.54	+ 8.85
5836	102729	FX		20 49 0.518227	+ 38 51 54.41066	+ 3.46	- 2.88

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5801	91.20	0.77	0.80	90.99	0.49	0.65	4.50	0.88	H	- 0.6	6.77		11	1	3
5802	91.24	0.80	0.80	91.21	0.48	0.56	2.44	0.56	P		7.45	2	13		
3634	91.25	0.64	0.47	91.30	0.45	0.44	6.00	0.73	H	- 21.6	5.68		31		
5804	91.11	0.87	0.88	91.21	0.60	0.65	3.12	1.03	H		7.88		11	1	3
5805	91.21	0.57	0.65	91.26	0.50	0.53	15.31	0.74	H		7.93		11	1	3
5806	91.21	0.64	0.74	91.37	0.68	0.93	1.69	0.39	P		7.96		11	1	3
3636	91.11	0.79	0.55	91.05	0.46	0.51	11.06	0.85	H		6.78		11	1	3
3638	91.05	0.73	0.52	90.88	0.50	0.49	9.99	0.88	H	- 11.0	6.23		11	1	3
3963	91.35	0.50	0.41	91.46	0.46	0.44	7.15	0.54	H	- 4.9	5.38		19	1	1
3637	91.27	0.65	0.77	91.15	0.40	0.50	5.20	0.74	H	- 9.7	6.09		21	2	
5807	91.28	0.89	0.70	90.88	0.54	0.66	4.65	1.11	H	+ 28.	7.39		15	1	3
3639	91.60	0.90	0.50	91.14	0.49	0.45	6.14	0.94	H	+ 55.5	6.13		11	1	3
5808	91.18	0.85	0.82	91.16	0.67	0.63	3.86	1.08	H		8.73		11	1	3
5809	91.00	0.88	1.05	91.12	0.74	0.90	2.85	0.66	P		7.84		31		
5810	90.93	0.95	0.78	90.78	0.60	0.75	2.42	1.28	H		8.86		31		
3643	91.24	0.69	0.79	91.21	0.45	0.51	15.10	0.80	H	+ 8.7	5.12		11	1	3
3645	91.44	0.83	0.66	91.06	0.51	0.56	30.45	0.96	H	- 42.7	6.11		11	1	3
3646	91.17	0.43	0.45	91.23	0.38	0.39	.45	0.47	H	- 12.7	6.19		11	1	3
3642	91.45	0.45	0.48	91.27	0.51	0.61	4.05	0.69	H		6.41		11	1	3
5812	91.03	0.44	0.45	91.21	0.45	0.45	1.33	0.49	H	- 30.9	6.95		11	1	3
3648	91.02	0.73	0.52	90.89	0.46	0.61	1.48	0.91	H	- 9.5	4.91		11	1	3
3649	91.32	0.40	0.44	91.25	0.39	0.40	10.68	0.67	H	- 21.8	5.59		18		
5813	91.34	0.55	0.48	90.97	0.57	0.62	2.99	0.63	H		7.67		15	1	3
3647	90.77	0.33	0.35	91.25	0.42	0.42	16.73	0.64	H	+ 8.0	4.86	1	11	1	3
5814	91.27	0.68	0.77	91.49	0.66	0.72	13.22	1.00	H		7.82		21	2	
5815	91.21	0.54	0.59	91.14	0.62	0.72	3.56	0.88	H		7.78		31		
5816	91.43	0.69	0.64	91.32	0.60	0.66	4.13	0.74	H		8.93		21	2	
5817	91.30	1.10	1.01	91.21	0.66	0.70	5.20	0.72	P	+ 1.	8.85		38		
3654	90.88	0.45	0.44	91.07	0.42	0.45	30.12	0.48	H	- 12.5	6.02		11	1	3
5819	91.16	0.43	0.40	91.29	0.50	0.45	4.57	0.62	H	- 4.2	7.01		11	1	3
3652	91.26	0.73	0.73	91.00	0.43	0.58	7.78	0.78	H	- 97.3	5.75	1	11	1	3
5820	91.02	0.55	0.57	91.29	0.54	0.53	1.12	0.62	H		7.99		11	1	3
3655	91.24	0.40	0.38	91.41	0.40	0.40	3.13	0.54	H	- 4.	5.68		18		
3650	91.04	0.41	0.42	91.15	0.41	0.41	9.68	0.54	H	- 36.	5.99		11	1	3
5821	91.15	0.72	0.76	91.11	0.55	0.69	5.07	0.87	H		6.99		11	1	3
3656	91.08	0.47	0.46	91.10	0.42	0.42	23.49	0.49	H	- 11.	5.59		31		
5822	91.29	0.85	0.87	91.10	0.54	0.69	1.92	1.00	H		7.39		31		
5823	90.94	1.21	0.75	90.72	0.62	0.77	.04	1.53	H		8.87		11	1	3
5824	91.18	1.15	0.65	90.76	0.50	0.69	3.21	0.74	P		6.87	2	31		
5825	90.93	0.95	1.11	91.17	0.56	0.89	11.38	1.06	H		7.24		11	1	3
5826	91.29	1.06	0.73	90.91	0.48	0.64	11.91	1.19	H		8.21		31		
5827	90.98	0.57	0.50	90.97	0.46	0.42	7.58	0.83	H	- 4.8	6.97		11	1	3
5828	91.28	0.98	0.73	91.08	0.55	0.53	2.79	1.27	H		8.33	2	17		
5830	91.38	0.84	0.68	91.06	0.47	0.61	2.44	0.94	H		7.52		11	1	3
5831	91.40	0.91	0.68	90.90	0.44	0.67	28.47	1.06	H		7.66		11	1	3
5832	91.37	0.67	0.64	91.40	0.55	0.54	7.91	0.73	H		8.15		11	1	3
5833	90.94	1.14	1.15	90.75	0.52	0.90	4.12	1.38	H		8.58		11	1	3
5834	91.12	1.08	1.17	91.20	0.76	0.94	3.20	1.31	H		9.01		31		
5835	90.88	0.72	0.66	90.84	0.67	0.62	1.82	1.08	H		8.77		11	1	3
5836	91.37	0.46	0.42	91.43	0.48	0.47	2.05	0.64	H	- 18.0	7.52		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5801	- 0.67	+ 0.29	+ 0.75	+ 0.32	- 2.16	- 0.52	+ 0.10	+ 0.25	+ 4.93	- 2.31
5802	+ 0.12	- 0.09	- 0.38	+ 4.51	- 0.96	+ 0.17	- 0.05	- 0.24	+ 1.26	+ 0.46
3634	+ 0.01	+ 0.05	+ 0.06	+ 1.32	- 0.33	+ 0.08	- 0.02	- 0.03	- 2.29	+ 1.11
5804	+ 0.32	- 0.32	- 1.08	- 0.46	+ 1.65	- 0.52	+ 0.23	+ 0.58	- 1.54	- 1.23
5805	- 0.86	+ 0.09	+ 0.17	- 5.32	- 0.37	- 1.48	+ 0.12	+ 0.21	- 3.99	- 2.12
5806	+ 0.18	- 0.03	- 0.22	+ 0.97	+ 1.31	- 0.31	+ 0.09	+ 0.73	- 7.18	- 1.22
3636	+ 0.16	- 0.50	- 0.72	+ 1.22	- 0.16	- 0.33	+ 0.38	+ 0.49	+ 0.03	- 0.61
3638	+ 0.10	- 0.40	- 0.53	- 0.70	+ 0.50	- 0.08	+ 0.17	+ 0.22	+ 1.13	- 0.51
3963	+ 0.30	- 0.20	- 0.24	+ 2.58	- 0.25	- 0.43	+ 0.21	+ 0.27	- 1.22	- 0.44
3637	+ 2.23	- 0.85	- 1.97	+ 3.18	+ 5.92	- 1.32	- 0.05	- 0.20	+ 1.34	- 3.95
5807	+ 0.15	- 0.16	- 0.30	+ 0.17	+ 0.32	- 0.26	+ 0.22	+ 0.40	+ 0.56	- 0.68
3639	+ 0.12	- 0.61	- 1.02	- 0.30	+ 0.38	+ 0.07	- 0.13	- 0.18	- 1.28	+ 0.39
5808	- 0.24	+ 0.27	+ 0.75	- 4.79	- 0.31	- 0.31	+ 0.11	+ 0.29	- 0.76	- 0.79
5809	- 0.38	+ 0.18	+ 0.88	- 2.87	- 1.32	+ 0.61	- 0.28	- 1.10	+ 7.12	+ 0.99
5810	- 0.03	+ 0.06	+ 0.21	+ 2.42	- 0.57	- 0.14	+ 0.10	+ 0.32	- 6.69	+ 0.99
3643	+ 0.26	- 0.15	- 0.21	- 2.13	+ 1.42	- 0.94	+ 0.13	+ 0.19	- 4.31	- 0.32
3645	- 0.32	+ 0.41	+ 0.51	- 1.46	+ 0.09	- 0.20	+ 0.13	+ 0.15	- 0.86	- 0.03
3646	+ 0.09	- 0.02	- 0.13	- 0.21	+ 0.83	+ 0.16	+ 0.00	- 0.14	- 2.02	+ 3.48
3642	+ 1.06	- 0.10	- 0.29	+ 5.92	+ 2.14	- 0.04	+ 0.06	+ 0.18	+ 1.68	- 0.75
5812	+ 0.20	- 0.07	- 0.18	+ 3.64	+ 0.17	- 0.25	+ 0.08	+ 0.22	- 3.68	- 0.36
3648	+ 0.06	- 0.21	- 0.78	+ 1.40	- 0.14	+ 0.19	- 0.10	- 0.40	+ 3.42	- 0.09
3649	- 0.25	+ 0.15	+ 0.17	+ 0.67	- 0.76	+ 0.34	- 0.08	- 0.10	- 0.80	+ 0.95
5813	- 0.26	+ 0.03	+ 0.02	- 1.39	- 0.37	+ 0.39	- 0.10	- 0.27	+ 5.88	+ 0.28
3647	- 0.18	+ 0.02	+ 0.02	+ 0.09	- 0.36	- 0.53	+ 0.12	+ 0.15	+ 1.13	- 1.27
5814	- 5.07	+ 1.16	+ 1.97	- 8.34	- 8.79	- 3.88	+ 0.47	+ 0.77	- 6.03	- 6.66
5815	+ 1.32	- 0.17	- 0.68	+ 1.48	+ 6.60	- 0.48	+ 0.17	+ 0.70	- 0.09	- 2.61
5816	+ 0.13	- 0.18	- 0.37	- 6.90	+ 1.40	+ 0.38	- 0.12	- 0.31	+10.58	- 0.49
5817	- 0.27	- 0.16	- 0.62	+ 1.42	- 1.09	+ 1.74	- 0.96	- 1.96	+ 5.00	+ 3.01
3654	+ 0.99	- 0.60	- 0.67	+ 1.81	+ 0.68	- 0.01	+ 0.04	+ 0.04	+ 2.75	- 1.82
5819	- 0.01	+ 0.02	+ 0.03	- 1.10	+ 0.14	+ 0.55	- 0.17	- 0.27	- 0.18	+ 1.07
3652	+ 0.08	- 0.09	- 0.17	- 0.43	+ 0.39	+ 0.60	- 0.17	- 0.28	- 3.60	+ 2.79
5820	- 0.22	+ 0.14	+ 0.51	- 4.30	- 0.58	- 0.11	+ 0.01	+ 0.05	+ 0.14	- 0.54
3655	+ 0.29	- 0.19	- 0.28	+ 0.50	+ 0.40	- 0.21	+ 0.06	+ 0.11	- 2.34	+ 0.19
3650	- 1.26	+ 0.23	+ 0.31	- 2.82	- 1.21	- 0.58	+ 0.04	+ 0.05	+ 2.95	- 2.05
5821	+ 0.44	- 0.30	- 0.65	- 0.90	+ 1.63	+ 0.19	- 0.12	- 0.26	- 0.13	+ 0.56
3656	+ 0.13	- 0.14	- 0.15	- 2.58	+ 1.27	- 0.27	+ 0.04	+ 0.05	- 3.73	+ 0.73
5822	+ 0.37	- 0.19	- 0.98	+ 7.53	- 0.22	- 0.15	- 0.01	- 0.14	- 0.19	- 0.58
5823	+ 0.00	- 0.01	- 2.89	- 0.33	+ 1.00	+ 0.00	+ 0.01	+ 0.55	- 4.11	+ 0.02
5824	- 0.11	+ 0.41	+ 1.17	+ 1.38	- 0.55	+ 0.68	- 0.70	- 1.65	+ 0.55	+ 1.85
5825	+ 0.25	- 0.38	- 0.83	- 1.87	+ 1.58	- 0.66	+ 0.41	+ 0.77	- 5.56	+ 0.16
5826	+ 0.32	- 0.80	- 1.25	- 3.48	+ 1.25	- 0.04	+ 0.07	+ 0.12	- 4.55	+ 0.71
5827	+ 0.79	- 0.55	- 0.72	+ 1.47	+ 1.02	- 0.88	+ 0.14	+ 0.18	- 0.71	- 1.18
5828	+ 0.14	- 0.11	- 0.31	- 2.81	+ 0.95	- 0.10	- 0.01	- 0.03	- 0.31	- 0.18
5830	+ 0.28	- 0.48	- 1.37	- 0.55	+ 1.10	- 0.23	+ 0.10	+ 0.23	- 2.55	- 0.14
5831	+ 0.50	- 0.68	- 0.85	+ 1.82	+ 0.45	- 0.95	+ 0.59	+ 0.72	- 0.49	- 1.30
5832	- 0.19	+ 0.18	+ 0.27	+ 2.79	- 0.71	+ 0.05	- 0.05	- 0.07	+ 0.34	+ 0.04
5833	+ 0.06	- 0.04	- 0.14	- 2.44	+ 0.92	- 1.02	+ 0.46	+ 1.46	- 5.70	- 2.76
5834	+ 0.70	- 0.33	- 1.93	+ 9.56	+ 1.93	- 0.07	- 0.09	- 0.62	- 0.65	+ 0.21
5835	- 0.15	+ 0.10	+ 0.38	- 0.08	- 0.68	- 0.52	+ 0.19	+ 0.70	- 6.89	- 1.11
5836	- 0.03	+ 0.01	+ 0.02	+ 1.01	- 0.19	- 0.12	+ 0.03	+ 0.08	- 5.52	+ 0.46

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
5801	1.10	0.87	0.96	3.74	1.58	1.08	0.68	0.72	4.01	1.63	1.15	2.14	0.76	1.78	1.50	
5802	1.03	0.84	0.98	2.89	1.81	0.93	0.58	0.65	3.02	1.72	1.66	0.50	0.89	1.62	0.19	t
3634	0.64	0.65	0.70	1.56	0.70	0.90	0.47	0.49	2.01	1.25	1.33	0.95	2.98	1.73	1.71	
5804	1.01	1.00	1.24	2.49	1.45	0.89	0.70	0.78	2.43	1.32	0.86	1.86	1.93	0.74	2.24	
5805	1.53	0.67	0.69	4.03	2.24	1.47	0.54	0.55	3.85	2.14	1.73	1.08	2.25	1.16	1.62	
5806	0.99	0.75	0.80	4.32	2.07	1.11	0.95	1.06	4.23	2.19	1.83	1.06	1.73	1.25	0.96	
3636	0.64	0.98	1.11	1.26	0.73	0.72	0.67	0.71	1.42	0.86	1.18	1.04	1.02	1.02	0.55	
3638	0.62	0.87	0.96	1.22	0.71	0.65	0.68	0.72	1.41	0.75	0.58	1.07	0.50	1.33	0.36	
3963	0.57	0.56	0.59	1.30	0.64	0.69	0.54	0.57	1.95	0.78	2.13	0.74	2.10	1.99	0.82	t
3637	1.11	0.84	0.93	2.94	1.63	1.06	0.52	0.55	2.81	1.66	1.74	4.87	3.62	1.81	2.13	t
5807	0.82	0.93	1.13	2.09	1.01	0.82	0.81	0.94	2.42	1.02	0.93	0.20		0.48	0.21	t
3639	0.55	0.96	1.17	1.15	0.63	0.60	0.61	0.65	1.51	0.68	0.81	1.18	0.51	1.13	0.46	t
5808	0.96	0.97	1.17	4.00	1.21	0.99	0.67	0.72	4.11	1.42	0.91	1.35		1.07	0.53	
5809	1.22	1.11	1.33	3.20	2.04	1.10	0.95	1.10	3.23	1.79	2.66	1.37	1.08	1.71	0.77	
5810	0.81	1.03	1.60	2.29	0.98	0.89	0.84	1.03	2.62	1.25	0.56	2.58		2.91	0.82	
3643	1.21	0.92	0.98	2.59	1.56	1.23	0.54	0.55	2.81	1.64	1.71	0.94	0.65	1.70	1.00	
3645	0.87	0.99	1.05	1.62	0.99	0.87	0.71	0.73	1.82	1.00	1.15	0.33	1.82	0.91	0.38	t
3646	0.55	0.45	0.50	2.24	1.10	0.55	0.40	0.41	3.01	1.71	0.62	2.21	0.70	1.64	0.95	
3642	1.07	0.49	0.51	3.45	1.90	1.05	0.63	0.67	3.12	1.72	1.85	1.32	0.70	1.18	1.20	
5812	0.61	0.48	0.53	2.57	0.87	0.64	0.48	0.53	2.77	0.94	2.01	0.65	1.36	1.71	0.92	
3648	0.55	0.74	1.10	1.24	0.67	0.75	0.65	0.75	2.21	1.18	2.08	0.54	1.17	1.78	0.76	
3649	0.72	0.54	0.56	1.37	0.85	0.78	0.46	0.47	1.51	0.97	0.56	1.37	1.37	1.32	0.53	t
5813	0.77	0.53	0.58	3.10	1.01	0.88	0.67	0.75	3.43	1.24	1.82	0.54	0.35	1.57	0.53	t
3647	1.00	0.37	0.37	2.04	1.26	0.95	0.46	0.47	2.02	1.14	0.47	1.19	0.98	1.05	0.67	t
5814	1.36	0.83	0.88	3.31	1.89	1.37	0.77	0.81	3.33	1.95	3.64	6.39	5.68	0.20	5.97	
5815	1.13	0.60	0.63	4.00	2.29	1.14	0.74	0.79	3.83	2.13	0.57	3.33	0.98	1.25	0.94	
5816	0.80	0.79	0.91	2.51	0.97	1.02	0.70	0.75	3.83	1.47	1.34	3.72		4.09	0.82	
5817	1.12	1.24	1.62	2.42	1.54	0.97	0.80	0.90	2.33	1.37	2.84	3.09	2.38	1.14	2.56	t
3654	0.74	0.55	0.56	1.23	0.87	1.11	0.48	0.49	1.93	1.47	2.30	1.77	1.14	2.03	0.89	
5819	0.68	0.45	0.47	2.18	0.82	0.80	0.50	0.52	2.53	1.01	0.51	1.19	1.28	0.70	1.53	
3652	1.07	0.84	0.91	2.44	1.44	1.08	0.62	0.65	2.51	1.52	1.28	1.88	0.67	2.20	0.91	t
5820	0.68	0.61	0.72	3.36	0.96	0.72	0.55	0.60	3.82	1.24	1.02	1.40		1.08	0.18	
3655	0.55	0.45	0.48	1.15	0.72	0.73	0.43	0.45	1.92	1.02	1.39	0.79	0.74	1.17	0.91	t
3650	0.90	0.46	0.47	1.88	1.15	0.88	0.45	0.46	1.94	1.11	2.16	2.19	0.86	2.36	0.49	
5821	1.00	0.86	0.97	2.38	1.41	0.96	0.78	0.86	2.43	1.34	0.11	1.41	1.67	0.95	0.81	
3656	0.81	0.56	0.57	1.59	0.92	0.92	0.46	0.47	2.02	1.07	2.31	1.42	0.83	2.86	1.35	t
5822	1.01	0.92	1.11	2.83	1.69	0.91	0.72	0.81	2.92	1.62	2.80	0.47	1.07	2.35	1.08	
5823	0.75	0.76	1.71	2.13	0.91	0.77	0.78	1.23	2.32	1.12	2.11	2.07		1.70	1.24	
5824	0.68	1.03	1.56	2.08	0.77	0.82	0.83	0.99	2.52	1.05	2.69	0.81		0.99	1.12	t
5825	1.34	1.36	1.61	2.93	1.83	1.25	1.02	1.12	3.02	1.67	2.00	1.02	2.01	1.94	1.48	
5826	0.83	1.14	1.32	2.25	0.94	0.95	0.78	0.83	2.72	1.12	1.62	1.87		2.64	1.72	
5827	0.71	0.63	0.67	2.98	0.77	0.80	0.47	0.49	3.61	0.91	0.76	2.25	1.14	0.19	0.24	
5828	0.87	0.83	1.00	2.86	1.17	0.84	0.57	0.62	3.02	1.23	0.84	0.83		1.22	0.17	t
5830	0.74	0.85	1.11	2.10	0.93	0.80	0.68	0.77	2.42	1.13	1.15	1.74	0.65	1.15	0.52	
5831	0.84	1.05	1.13	2.47	0.90	0.99	0.85	0.89	2.82	1.12	1.75	1.07		0.59	0.68	
5832	0.87	0.80	0.87	2.86	1.01	0.93	0.60	0.63	2.83	1.14	0.73	0.86		1.16	0.19	
5833	1.26	1.30	1.68	3.45	1.76	1.17	0.96	1.08	3.71	1.81	2.06	1.94		1.12	0.27	
5834	1.37	1.22	1.44	3.97	2.44	1.27	0.96	1.07	4.12	2.56	1.37	2.72		1.65	1.30	
5835	0.83	0.71	0.81	3.17	1.26	0.84	0.65	0.72	3.21	1.35	1.36	2.31		1.67	1.40	
5836	0.66	0.45	0.48	2.61	0.90	0.73	0.49	0.53	2.82	1.06	0.38	1.99		2.03	1.15	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5837	102755	FX		20 49 12.062753	+ 35 33 48.82979	+ 12.28	- 30.21
5838	102762	FX		20 49 15.192043	- 20 37 50.84678	+ 214.05	- 190.89
3667	102771	BX		20 49 17.390388	+ 64 2 32.12846	- 3.44	- 4.48
3660	102773	BX	σ Pav	20 49 18.171122	- 68 46 35.47741	- 64.53	- 49.86
3661	102790	BX	ζ Ind	20 49 28.961142	- 46 13 36.57217	+ 37.86	+ 27.52
3666	102843	BX	56 Cyg	20 50 4.931700	+ 44 3 33.49139	+ 123.35	+ 132.05
3665	102891	BX		20 50 41.776871	- 12 32 41.65690	+ 125.84	- 71.98
5839	103083	FX		20 53 11.279466	+ 15 25 54.79746	+ 12.12	+ 4.53
3668	103145	RS		20 53 53.891861	+ 33 26 16.41385	- 20.94	+ 34.63
5840	103184	FX		20 54 20.073595	- 62 50 7.84818	+ 11.70	- 6.75
3672	103219	BX		20 54 44.349775	+ 75 55 32.05289	+ 30.96	+ 42.46
5841	103253	FX		20 55 4.316262	- 22 51 8.78102	+ 9.76	- 33.68
3669	103294	BX	17 Del	20 55 36.689636	+ 13 43 17.52860	+ 17.76	- 11.56
3671	103346	RS		20 56 17.010205	+ 56 53 15.06642	+ 4.73	+ 4.80
5843	103435	FX		20 57 22.343488	+ 87 1 57.60532	+ 14.98	+ 17.59
5844	103477	FX		20 57 53.698351	+ 8 23 40.04103	+ 17.93	+ 4.11
5845	103492	FX		20 58 4.817981	+ 50 52 18.83154	+ 27.41	+ 5.21
5846	103508	FX		20 58 15.446957	+ 82 59 13.89588	+ 17.37	- 2.21
5848	103548	FX		20 58 43.700309	+ 31 38 51.04205	+ 20.54	+ 9.73
3676	103598	RS		20 59 25.383311	+ 59 26 18.93772	+ 44.21	+ 15.24
3674	103646	BX		20 59 59.693308	- 36 7 46.70805	+ 103.63	- 58.29
3673	103673	RS		21 0 21.482669	- 51 15 55.12460	- 87.40	+ 132.41
5849	103727	FX		21 1 7.685477	+ 20 36 32.04776	+ 6.42	- 5.68
3677	103734	RS		21 1 12.864412	+ 36 1 33.63339	- 3.78	- 6.53
5850	103743	FX		21 1 22.244270	- 49 21 4.89078	+ 42.05	+ 7.52
5851	103760	FX		21 1 33.119527	+ 1 30 14.70798	- 13.77	- 15.95
5852	103763	FX		21 1 36.920317	+ 68 9 47.76044	+ 7.08	- 1.80
5853	103778	FX		21 1 45.692353	+ 11 33 28.28817	+ 0.34	- 0.14
3678	103931	RS		21 3 29.506499	- 1 34 46.80540	+ 21.39	- 8.93
3681	104048	RS		21 4 45.375261	+ 2 16 11.17685	+ 94.70	- 66.02
3680	104085	BX	μ Ind	21 5 14.249294	- 54 43 37.34762	+ 15.92	- 37.29
5855	104100	FX		21 5 26.121050	- 60 24 9.25282	+ 9.59	+ 5.28
5856	104111	FX		21 5 31.981498	- 4 21 43.45768	- 15.68	- 14.25
3683	104148	RS	δ Mic	21 6 1.146706	- 30 7 30.43750	+ 34.39	- 69.07
3693	104171	RS		21 6 23.303397	+ 71 25 54.46894	- 48.78	- 116.07
3686	104172	BX		21 6 23.479756	+ 26 55 27.70146	+ 43.98	- 19.09
3687	104185	RS		21 6 30.244388	+ 31 11 4.76491	+ 3.94	- 4.73
5858	104235	FX		21 7 8.349726	+ 30 35 45.48278	+ 1.86	- 4.24
3685	104269	BX		21 7 24.657642	- 59 59 31.02693	- 49.41	- 16.33
3689	104281	BX		21 7 33.643735	+ 15 39 31.16851	+ 48.88	- 57.16
3694	104291	RS		21 7 40.855948	+ 68 15 14.67609	+ 7.93	+ 3.75
5859	104320	FX		21 7 57.406683	+ 14 40 25.24176	+ 12.20	- 2.51
5860	104342	FX		21 8 14.447290	+ 35 19 58.50606	+ 2.85	- 1.99
3692	104357	BX		21 8 28.139297	+ 6 59 21.69416	- 10.05	+ 2.28
5861	104363	FX		21 8 32.191719	- 33 31 57.19115	+ 7.59	- 13.57
3690	104365	BX	χ Cap	21 8 33.624978	- 21 11 37.21670	+ 19.33	- 60.02
5863	104404	FX		21 9 2.439085	+ 48 44 44.86202	+ 6.03	+ 0.46
5864	104453	FX		21 9 33.260409	- 79 16 25.60304	- 35.19	+ 31.70
5865	104458	FX		21 9 35.231569	+ 75 13 40.00421	- 15.77	- 16.89
3691	104501	RS		21 10 7.433550	- 64 1 31.63491	- 6.81	- 56.09

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5837	91.25	0.38	0.38	91.30	0.43	0.41	5.33	0.59	H		6.60	1	15	1	3
5838	91.43	0.92	0.65	90.98	0.52	0.64	16.41	1.04	H	- 83.2	8.13		11	1	3
3667	91.31	0.45	0.36	91.35	0.44	0.40	1.51	0.35	P	- 27.3	6.45	1	31		
3660	91.22	0.34	0.35	91.28	0.39	0.39	10.70	0.57	H	+ 18.8	5.41		11	1	3
3661	91.22	0.70	0.73	91.26	0.52	0.54	8.06	0.83	H	- 5.2	4.90		11	1	3
3666	91.18	0.44	0.33	91.33	0.43	0.34	23.67	0.56	H	- 21.5	5.06		19	1	1
3665	91.58	0.84	0.47	91.11	0.59	0.48	13.06	1.00	H	- 44.	5.87		39		
5839	91.30	0.92	0.83	90.90	0.53	0.55	2.04	1.14	H		8.86	2	31		
3668	91.22	0.33	0.34	91.18	0.41	0.41	5.35	0.58	H	- 9.5	5.47	1	29	2	
5840	90.86	0.54	0.59	91.04	0.51	0.54	4.31	0.84	H		7.24		21	2	
3672	91.37	0.50	0.46	91.49	0.43	0.44	7.51	0.52	H	- 25.1	5.99		11	1	3
5841	91.37	1.18	0.85	91.43	0.99	0.90	2.18	0.50	P		9.01		13		
3669	91.30	0.60	0.41	90.98	0.37	0.35	6.88	0.74	H	- 10.0	5.19		11	1	3
3671	91.04	0.41	0.36	91.28	0.46	0.44	4.10	0.49	H	- 19.	6.23		11	1	3
5843	91.14	0.50	0.47	91.24	0.52	0.50	6.65	0.59	H	- 1.	7.42		11	1	3
5844	91.11	1.01	0.88	90.88	0.52	0.55	2.39	1.24	H		9.06		11	1	3
5845	91.19	0.79	0.69	91.40	0.65	0.61	4.47	0.82	H	- 25.6	8.84		11	1	3
5846	91.13	0.59	0.58	91.29	0.58	0.61	6.41	0.66	H		8.15		11	1	3
5848	91.11	0.39	0.44	91.36	0.48	0.50	4.45	0.69	H	- 11.	7.18		31		
3676	91.09	0.45	0.39	91.33	0.43	0.41	5.56	0.50	H	- 16.6	5.54		19	1	1
3674	91.14	0.73	0.70	91.02	0.48	0.60	24.11	0.83	H	+ 16.0	6.10		11	1	3
3673	91.29	0.67	0.78	91.43	0.47	0.50	35.07	0.83	H	- 22.6	5.76		11	1	3
5849	91.09	0.94	0.78	90.76	0.57	0.57	1.30	1.29	H		9.23		11	1	3
3677	91.37	0.35	0.33	91.36	0.41	0.39	4.96	0.57	H	- 8.6	6.01		18		
5850	91.10	0.73	0.79	91.52	0.58	0.52	12.85	0.90	H		7.70		31		
5851	91.45	0.93	0.65	91.32	0.55	0.46	.25	1.11	H		8.22		31		
5852	91.19	0.55	0.48	91.35	0.55	0.46	2.33	0.62	H	- 3.4	7.34	1	13		
5853	91.31	1.03	0.80	90.75	0.56	0.60	5.56	1.31	H		9.45		21	2	
3678	91.21	0.81	0.74	91.28	0.46	0.44	20.68	0.87	H		6.91		11	1	3
3681	91.67	0.77	0.76	91.02	0.40	0.38	8.41	0.96	H	- 11.7	6.34		11	1	3
3680	91.05	0.54	0.61	91.60	0.46	0.48	9.35	0.69	H	+ 11.6	5.17		21	2	
5855	91.51	0.64	0.88	91.27	0.72	0.68	2.81	0.65	P		8.55		11	1	3
5856	91.21	0.80	0.71	91.28	0.51	0.45	2.20	0.92	H		7.15		31		
3683	91.30	0.70	0.71	91.30	0.56	0.64	9.83	0.81	H	+ 24.6	5.69		29	2	
3693	91.36	0.49	0.49	91.31	0.44	0.45	20.36	0.52	H	+ 2.0	5.88		31		
3686	91.13	0.43	0.37	90.93	0.42	0.38	9.37	0.72	H	- 5.6	6.13		15	1	3
3687	90.91	0.35	0.35	91.18	0.45	0.39	1.98	0.25	P	- 1.0	5.77	2	38		
5858	90.86	0.39	0.50	91.15	0.52	0.52	.91	0.75	H	- 19.	7.55		11	1	3
3685	91.41	0.65	0.69	91.32	0.53	0.47	12.86	0.86	H	+ 38.7	6.77		11	1	3
3689	90.98	0.70	0.46	91.07	0.44	0.38	8.83	0.94	H	- 34.1	6.27		31		
3694	91.11	0.47	0.48	91.21	0.45	0.46	4.03	0.51	H		6.88		11	1	3
5859	91.17	0.66	0.67	91.09	0.47	0.50	2.07	0.48	P	+ 4.8	7.03		11	1	3
5860	91.43	0.51	0.45	91.44	0.64	0.60	2.22	0.91	H		8.64		15	1	3
3692	91.28	0.80	0.52	91.78	0.62	0.49	3.92	1.06	H	+ 20.0	6.14	1	11	1	3
5861	91.18	1.01	1.10	92.01	0.60	0.53	3.91	0.90	P		8.18		11	1	3
3690	91.44	0.83	0.48	91.05	0.61	0.51	17.06	1.00	H	- 12.0	5.30		19	1	1
5863	91.51	0.60	0.65	91.35	0.63	0.63	1.41	0.77	H		8.58	1	31		
5864	91.03	0.50	0.57	91.26	0.55	0.57	16.72	0.70	H		7.90		11	1	3
5865	91.14	0.51	0.48	91.34	0.43	0.40	5.92	0.51	H	- 10.3	6.89		11	1	3
3691	91.22	0.46	0.53	91.28	0.46	0.52	8.01	0.81	H		6.92		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5837	+ 0.72	- 0.15	- 0.22	+ 3.08	+ 0.74	+ 0.20	- 0.02	- 0.03	- 1.53	+ 0.63
5838	+ 0.39	- 0.69	- 0.91	- 0.63	+ 0.72	- 0.36	+ 0.22	+ 0.25	+ 0.43	- 0.57
3667	+ 0.41	- 0.27	- 0.53	- 1.05	+ 1.38	+ 0.21	- 0.14	- 0.33	- 0.86	+ 0.93
3660	+ 0.04	- 0.03	- 0.04	- 0.50	+ 0.26	- 0.29	+ 0.06	+ 0.08	+ 2.31	- 1.22
3661	- 0.04	+ 0.00	- 0.01	+ 0.96	- 0.43	+ 0.48	- 0.16	- 0.24	- 1.13	+ 1.42
3666	+ 0.47	- 0.62	- 0.67	+ 1.03	+ 0.19	- 0.34	+ 0.23	+ 0.25	- 0.66	- 0.31
3665	- 0.35	+ 0.93	+ 1.21	- 1.81	+ 0.13	+ 0.42	- 0.37	- 0.41	+ 1.87	+ 0.18
5839	- 0.09	+ 0.21	+ 0.97	+ 0.39	- 0.68	- 0.92	+ 0.25	+ 0.86	- 8.71	- 1.88
3668	- 0.69	+ 0.21	+ 0.34	- 1.21	- 1.06	+ 2.38	- 0.34	- 0.61	+ 1.92	+ 5.32
5840	- 1.55	+ 0.22	+ 0.62	+ 3.61	- 7.58	+ 1.82	- 0.23	- 0.62	+ 4.60	+ 4.90
3672	+ 0.01	- 0.02	- 0.04	+ 1.07	- 0.41	+ 0.96	- 0.10	- 0.17	+ 0.77	+ 2.02
5841	+ 0.02	+ 0.04	+ 0.59	- 3.19	+ 0.86	- 0.08	+ 0.23	+ 1.45	- 1.29	- 0.28
3669	- 0.18	+ 0.49	+ 0.60	+ 1.05	- 0.73	+ 0.04	+ 0.04	+ 0.06	- 1.43	+ 0.51
3671	+ 0.09	- 0.04	- 0.05	+ 0.13	+ 0.11	- 0.29	+ 0.08	+ 0.14	- 4.07	+ 0.58
5843	+ 0.10	- 0.04	- 0.05	- 2.52	+ 0.39	- 0.16	+ 0.09	+ 0.12	+ 0.71	- 0.33
5844	- 0.16	+ 0.24	+ 1.07	- 1.54	- 0.46	+ 0.31	- 0.10	- 0.18	+ 0.36	+ 0.80
5845	+ 0.13	- 0.21	- 0.42	- 2.10	+ 0.57	- 0.02	+ 0.03	+ 0.06	- 3.00	+ 0.35
5846	- 0.48	+ 0.20	+ 0.30	- 1.95	- 0.59	+ 1.18	- 0.37	- 0.66	+ 3.50	+ 1.84
5848	- 1.45	+ 0.30	+ 0.52	- 5.50	- 2.00	- 0.03	- 0.01	- 0.01	- 3.66	+ 0.52
3676	- 0.58	+ 0.30	+ 0.39	+ 0.47	- 1.27	- 0.30	+ 0.07	+ 0.11	- 1.46	- 0.09
3674	- 0.25	+ 0.20	+ 0.25	+ 1.35	- 1.05	- 0.12	+ 0.07	+ 0.09	- 0.55	- 0.01
3673	+ 1.09	- 0.81	- 1.07	+ 3.04	+ 0.79	+ 0.07	+ 0.15	+ 0.20	- 0.07	+ 0.10
5849	+ 0.14	- 0.19	- 1.10	+ 2.53	+ 0.54	+ 0.15	- 0.07	- 0.26	+ 4.17	+ 0.08
3677	+ 0.29	- 0.04	- 0.08	- 2.19	+ 1.24	- 0.89	+ 0.08	+ 0.17	+ 0.06	- 2.72
5850	- 0.44	+ 0.28	+ 0.45	- 5.29	+ 0.78	- 1.96	+ 0.42	+ 0.59	+ 0.11	- 3.65
5851	+ 0.11	- 0.13	- 2.26	+ 5.27	+ 1.16	- 0.20	+ 0.02	+ 0.04	- 3.51	- 2.08
5852	+ 0.23	- 0.17	- 0.34	+ 3.82	+ 0.10	- 0.39	+ 0.16	+ 0.32	+ 0.90	- 1.00
5853	- 0.97	+ 1.33	+ 2.90	- 8.86	- 1.11	+ 1.14	- 0.22	- 0.23	+ 4.77	+ 1.51
3678	- 0.13	+ 0.03	+ 0.02	+ 0.31	- 0.28	+ 1.34	- 0.12	- 0.17	+ 0.54	+ 2.20
3681	- 0.01	- 0.02	- 0.06	+ 1.12	- 0.28	+ 0.49	- 0.03	- 0.06	+ 1.01	+ 0.82
3680	- 1.40	+ 0.37	+ 0.59	- 5.05	- 0.87	+ 1.10	- 0.18	- 0.26	- 6.60	+ 4.74
5855	- 0.50	+ 0.24	+ 0.95	+ 2.12	- 3.03	- 0.11	- 0.04	- 0.18	+ 1.84	- 0.76
5856	+ 0.29	- 0.79	- 2.88	+ 3.01	+ 0.98	+ 0.77	- 0.34	- 1.08	+ 1.56	+ 2.22
3683	+ 2.44	- 1.18	- 1.89	+ 3.67	+ 4.15	- 1.10	+ 0.27	+ 0.41	+ 2.34	- 3.11
3693	- 0.53	+ 0.54	+ 0.60	+ 3.49	- 2.15	- 1.08	+ 0.04	+ 0.07	- 1.00	- 1.71
3686	+ 0.55	- 0.42	- 0.48	+ 0.00	+ 0.92	- 0.15	+ 0.07	+ 0.08	+ 1.45	- 0.68
3687	- 0.03	+ 0.03	+ 0.04	+ 2.34	- 1.18	+ 0.05	- 0.03	- 0.05	- 0.04	+ 0.14
5858	- 0.18	+ 0.05	+ 0.24	- 4.12	- 0.41	- 0.18	+ 0.04	+ 0.23	- 3.89	- 0.49
3685	- 0.45	+ 0.16	+ 0.24	+ 0.13	- 0.99	- 0.20	+ 0.00	- 0.01	- 1.46	+ 0.19
3689	+ 0.28	- 1.12	- 1.46	- 1.16	+ 1.10	+ 0.25	- 0.27	- 0.32	- 1.22	+ 0.82
3694	- 0.24	+ 0.11	+ 0.18	+ 0.35	- 0.73	+ 0.14	- 0.02	- 0.04	- 0.49	+ 0.62
5859	+ 0.27	- 0.14	- 0.53	+ 6.13	+ 0.57	+ 0.39	- 0.10	- 0.36	+ 0.01	+ 1.47
5860	+ 0.22	- 0.10	- 0.25	- 0.85	+ 0.68	- 0.75	+ 0.29	+ 0.85	- 2.49	- 2.27
3692	- 0.03	+ 0.10	+ 0.12	+ 1.14	- 0.44	+ 0.36	- 0.39	- 0.62	+ 1.00	+ 0.47
5861	- 0.49	+ 0.30	+ 1.24	+ 1.19	- 3.52	- 0.28	+ 0.04	+ 0.12	+ 1.67	- 2.09
3690	+ 0.19	- 0.56	- 0.66	- 0.22	+ 0.38	- 0.49	+ 0.69	+ 0.80	- 0.15	- 0.69
5863	+ 0.14	- 0.06	- 0.27	+ 1.23	+ 0.51	- 0.59	+ 0.22	+ 0.97	- 2.13	- 2.74
5864	+ 1.55	- 0.16	- 0.29	+ 1.13	+ 3.24	- 1.65	+ 0.16	+ 0.29	- 1.90	- 3.27
5865	+ 0.44	- 0.11	- 0.17	+ 0.70	+ 0.74	+ 0.05	- 0.02	- 0.03	- 1.02	+ 0.22
3691	+ 1.22	- 0.09	- 0.17	+ 2.32	+ 2.67	+ 1.88	- 0.09	- 0.24	+ 9.27	+ 2.98

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	T^H	
5837	0.78	0.41	0.42	2.49	0.96	0.83	0.44	0.45	2.53	1.06	1.43	1.09	0.77	1.18	1.60	t
5838	0.78	1.05	1.16	2.15	0.86	0.83	0.90	0.97	2.42	0.93	0.13	1.40	0.83	0.70	0.96	
3667	0.50	0.42	0.46	1.23	0.68	0.60	0.43	0.47	1.72	0.88	0.49	2.57	1.11	1.96	0.06	
3660	0.91	0.37	0.38	1.99	1.15	0.95	0.42	0.43	2.22	1.19	1.01	1.05	1.10	1.44	0.67	
3661	1.03	0.86	0.94	2.31	1.36	0.95	0.59	0.62	2.12	1.26	0.57	1.22	0.61	1.16	1.44	t
3666	0.50	0.51	0.52	0.81	0.49	0.60	0.41	0.42	1.42	0.63	1.86	1.39	0.97	0.92	1.01	t
3665	0.55	0.98	1.09	1.05	0.60	0.64	0.73	0.78	1.52	0.70	2.51	1.14	2.42	1.89	0.53	t
5839	0.92	0.93	1.21	3.21	1.23	0.83	0.58	0.63	3.02	1.35	2.02	3.11		2.09	0.39	
3668	0.83	0.36	0.37	2.02	1.08	0.99	0.43	0.44	2.61	1.46	1.21	4.02	0.44	1.14	1.97	t
5840	1.13	0.61	0.63	3.46	2.06	1.08	0.55	0.57	3.53	1.81	1.69	4.79	2.89	2.78	2.18	
3672	0.79	0.52	0.54	1.63	1.00	1.14	0.45	0.46	3.02	1.66	0.71	1.32	1.59	0.85	2.22	
5841	0.90	1.03	1.61	2.25	1.17	0.94	1.10	1.85	2.42	1.18	0.89	1.53		1.64	0.45	t
3669	0.52	0.64	0.69	1.05	0.58	0.61	0.42	0.43	1.32	0.72	1.15	1.63	1.48	1.97	0.78	
3671	0.56	0.43	0.45	1.20	0.69	0.77	0.48	0.50	1.92	1.03	2.13	0.43	2.41	2.14	0.71	
5843	0.69	0.58	0.61	2.49	0.77	0.75	0.60	0.64	2.63	0.86	0.99	0.65	2.22	1.18	2.47	
5844	0.94	1.06	1.53	2.71	1.19	0.78	0.60	0.67	2.82	1.10	1.16	0.86		0.39	0.91	
5845	0.80	0.89	1.07	2.79	0.95	0.87	0.69	0.75	3.03	1.10	0.74	1.14		1.38	0.80	
5846	0.87	0.67	0.72	2.91	1.05	1.00	0.67	0.71	3.37	1.28	1.86	1.43		0.64	1.44	
5848	0.86	0.46	0.48	2.71	1.15	0.87	0.54	0.57	2.92	1.15	2.51	2.06	1.72	1.79	0.68	
3676	0.65	0.46	0.48	1.34	0.81	0.85	0.44	0.45	1.92	1.17	0.80	1.77	2.31	1.27	1.74	t
3674	1.14	0.84	0.88	2.32	1.38	1.14	0.67	0.69	2.31	1.46	0.52	0.80	0.46	0.91	1.04	
3673	1.15	0.98	1.04	2.27	1.39	1.13	0.56	0.57	2.42	1.35	1.65	1.07	1.15	0.85	1.69	t
5849	0.83	0.87	1.21	2.85	1.10	0.71	0.60	0.69	2.91	1.08	1.04	1.89		1.47	1.41	
3677	0.92	0.34	0.35	2.56	1.27	1.06	0.40	0.41	2.91	1.71	0.82	1.92	0.65	1.45	0.82	t
5850	1.20	0.91	0.97	2.78	1.58	1.12	0.56	0.57	2.73	1.44	1.96	2.74	1.53	2.26	2.27	
5851	0.66	0.68	1.07	2.29	0.88	0.52	0.46	0.55	2.52	1.10	3.26	3.34		1.76	0.80	
5852	0.63	0.57	0.64	2.39	0.77	0.69	0.50	0.54	2.95	0.92	1.69	1.31	1.92	1.60	1.65	t
5853	0.91	1.06	1.32	2.99	1.07	0.92	0.68	0.74	3.21	1.17	2.85	3.95		2.62	2.38	
3678	1.06	0.96	1.03	2.57	1.18	1.29	0.46	0.47	3.21	1.62	0.24	1.44	1.09	0.51	1.38	
3681	1.04	0.92	1.02	2.71	1.27	1.19	0.40	0.42	3.11	1.75	0.53	0.52	0.72	0.47	0.59	
3680	1.10	0.66	0.69	2.28	1.56	1.06	0.51	0.52	2.42	1.43	3.48	3.40	1.55	4.31	0.98	t
5855	1.09	0.93	1.08	3.60	1.74	1.00	0.70	0.77	3.53	1.68	0.65	2.00	0.98	1.45	0.20	
5856	0.78	0.88	1.20	2.43	0.97	0.76	0.48	0.54	2.52	1.15	2.36	3.34	2.78	0.81	1.32	
3683	1.10	0.81	0.87	2.61	1.42	1.13	0.70	0.73	2.71	1.51	2.13	4.22	3.29	1.77	2.08	t
3693	0.80	0.62	0.64	1.63	0.86	1.30	0.47	0.48	2.72	1.76	1.70	2.76	1.58	3.07	1.98	
3686	0.57	0.47	0.48	1.10	0.66	0.65	0.46	0.47	1.41	0.76	1.00	1.92	0.98	1.51	0.37	t
3687	0.51	0.41	0.44	1.06	0.71	0.56	0.44	0.48	1.32	0.77	2.00	1.47	1.42	2.75	0.95	t 3021
5858	0.67	0.51	0.56	3.00	1.24	0.70	0.53	0.57	3.01	1.41	1.96	0.67	1.62	1.53	0.26	
3685	1.17	0.78	0.82	2.58	1.53	1.03	0.51	0.52	2.22	1.32	0.64	0.72	0.31	0.74	0.19	
3689	0.55	0.82	0.91	1.04	0.62	0.58	0.49	0.51	1.22	0.67	0.72	2.65	0.86	2.38	0.18	t
3694	0.76	0.54	0.57	1.66	1.05	1.01	0.47	0.48	2.92	1.69	0.18	0.85	0.55	0.64	1.78	
5859	0.90	0.71	0.79	4.23	1.39	0.82	0.52	0.56	3.81	1.33	1.55	1.41	1.33	1.30	0.95	
5860	0.71	0.48	0.51	2.97	0.97	0.84	0.64	0.70	3.12	1.27	2.29	1.06		0.49	0.46	t
3692	0.57	0.90	1.18	1.22	0.66	0.63	0.65	0.73	1.51	0.76	1.10	1.17	2.41	1.18	0.23	t
5861	1.30	1.17	1.38	3.28	2.16	1.13	0.53	0.55	3.62	2.26	2.08	0.42		1.49	1.42	
3690	0.56	1.02	1.13	1.16	0.60	0.65	0.81	0.87	1.51	0.71	0.64	1.77	0.30	0.56		t
5863	0.79	0.68	0.79	3.29	1.21	0.81	0.66	0.74	3.22	1.32	2.51	1.04		0.27	0.63	
5864	1.55	0.59	0.60	4.40	2.24	1.55	0.58	0.59	4.15	2.26	0.61	2.15	0.61	0.52	0.40	
5865	0.93	0.51	0.53	2.96	1.22	0.86	0.43	0.44	3.05	1.07	0.43	0.71	0.94	0.38	0.77	
3691	1.30	0.55	0.56	3.83	2.02	1.39	0.53	0.54	4.11	2.41	2.39	1.89	0.12	1.32	0.13	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5866	104540	FX		21 10 32.433 250	- 18 19 50.721 23	+ 4.87	- 14.63
5867	104554	FX		21 10 44.297 958	- 10 12 34.065 93	- 1.33	- 8.86
3695	104620	BX		21 11 34.305 455	- 56 31 1.921 59	+ 20.72	- 16.00
5868	104634	FX		21 11 41.337 932	- 14 28 20.560 82	+ 38.68	- 0.06
5869	104648	FX		21 11 54.814 011	+ 23 4 49.940 01	- 25.69	- 39.53
5870	104663	FX		21 12 1.180 482	+ 8 46 38.417 82	- 3.94	- 8.25
5871	104664	FX		21 12 2.669 773	- 24 7 17.232 70	+ 18.40	+ 6.05
3964	104756	RS		21 13 21.581 584	+ 81 13 51.496 27	- 3.52	+ 4.31
5872	104773	FX		21 13 29.448 408	- 47 33 2.499 06	+ 8.22	- 0.45
5873	104776	FX		21 13 32.614 687	- 54 59 19.462 22	+ 4.17	- 2.24
5874	104804	FX		21 13 57.352 148	- 20 5 16.393 77	- 1.87	+ 8.00
5875	104941	FX		21 15 27.237 816	+ 42 1 34.969 87	+ 59.85	+ 129.68
3696	104980	BX		21 15 46.785 298	- 36 12 38.552 91	+ 29.57	- 6.25
5877	105000	FX		21 15 57.172 839	+ 25 26 1.808 46	- 65.71	- 37.77
5878	105066	FX		21 17 2.132 375	- 1 4 38.732 30	+ 160.89	- 23.27
3699	105080	RS		21 17 14.246 695	+ 55 47 52.804 79	+ 16.47	+ 13.44
3698	105164	RS	15 Aqr	21 18 11.072 466	- 4 31 10.124 34	+ 11.07	+ 13.41
3697	105169	RS		21 18 16.249 254	- 75 20 48.315 58	+ 20.59	- 36.17
5879	105179	FX		21 18 25.259 940	+ 17 43 15.006 46	+ 33.02	- 0.62
5880	105202	FX		21 18 37.177 495	+ 8 57 34.767 32	+ 142.38	- 41.91
3700	105224	BX		21 18 52.026 466	+ 11 12 12.151 02	+ 22.33	+ 16.50
3703	105268	RS	6 Cep	21 19 22.220 299	+ 64 52 18.679 40	+ 5.26	+ 5.38
3702	105282	RS		21 19 28.750 731	+ 49 30 37.058 86	+ 14.75	+ 2.03
5881	105345	FX		21 20 14.658 641	+ 36 48 24.293 31	+ 5.52	- 2.76
3704	105411	RS		21 21 4.394 254	+ 23 51 21.481 36	+ 243.48	- 119.82
5882	105473	FX		21 21 47.977 300	- 36 25 2.070 13	+ 13.55	+ 8.78
5883	105476	FX		21 21 49.100 201	- 29 9 57.854 31	+ 12.73	- 21.61
5884	105500	FX		21 22 1.716 742	+ 4 20 44.208 01	+ 22.99	- 5.13
3709	105526	BX		21 22 21.271 886	+ 77 5 24.930 54	- 14.29	- 27.81
5885	105541	FX		21 22 30.857 216	- 44 8 43.475 58	- 75.96	- 34.96
3705	105574	BX	17 Aqr	21 22 56.255 448	- 9 19 9.593 65	- 27.12	- 24.11
3706	105623	RS		21 23 35.387 147	+ 14 3 0.635 01	+ 5.68	- 8.45
3707	105665	RS	33 Cap	21 24 9.593 410	- 20 51 6.725 15	- 7.62	- 126.68
3708	105767	BX	21 Aqr	21 25 16.958 137	- 3 33 24.284 22	- 11.61	- 69.00
5888	105802	FX		21 25 38.159 436	+ 66 42 51.005 13	- 4.03	- 6.90
5889	105840	FX		21 26 15.474 638	+ 79 48 16.966 00	+ 10.95	+ 12.11
3710	105854	RS		21 26 22.873 250	- 37 49 45.946 60	+ 166.71	- 11.00
5890	105861	FX		21 26 27.047 271	- 15 14 42.785 16	- 29.22	+ 10.46
3711	105864	RS		21 26 28.053 322	+ 1 6 12.089 57	+ 111.00	- 162.00
3713	105918	BX		21 27 6.613 617	+ 16 7 26.954 54	- 79.61	- 95.97
3714	105942	RS	70 Cyg	21 27 21.366 015	+ 37 7 0.473 71	+ 2.43	+ 2.59
3715	105966	BX	35 Vul	21 27 40.057 609	+ 27 36 30.939 31	+ 41.95	+ 20.86
3718	105972	RS	7 Cep	21 27 46.141 459	+ 66 48 32.743 31	- 10.74	- 20.89
3716	106003	RS		21 28 8.251 475	+ 32 13 31.189 43	+ 134.35	+ 79.66
3712	106044	BX		21 28 44.924 160	- 69 30 19.388 63	+ 82.14	- 46.30
5892	106066	FX		21 29 2.966 388	+ 61 25 59.233 37	- 41.53	+ 4.67
5893	106089	FX		21 29 23.131 190	- 12 46 18.057 11	- 11.00	- 10.76
5894	106128	FX		21 29 51.474 916	- 43 30 26.741 47	+ 57.22	- 46.37
5895	106131	FX		21 29 51.803 064	+ 1 36 21.265 14	+ 6.62	- 0.42
5896	106143	FX		21 29 59.575 646	- 19 8 52.181 01	+ 33.75	- 44.39

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5866	91.23	0.91	0.61	91.60	0.49	0.35	3.52	0.81	P		8.17		11	1	3
5867	91.16	1.07	0.79	91.23	0.55	0.49	4.09	1.23	H		8.28		11	1	3
3695	91.23	0.64	0.62	91.22	0.50	0.43	6.71	0.86	H		6.93		11	1	3
5868	91.44	0.87	0.66	91.68	0.43	0.35	7.43	0.93	H	- 39.2	6.47	1	19	1	1
5869	91.10	0.56	0.56	91.24	0.53	0.59	5.55	0.99	H		7.33		11	1	3
5870	91.25	0.91	0.71	92.05	0.83	0.76	3.80	1.29	H		8.69		11	1	3
5871	91.48	0.88	0.93	91.86	0.46	0.43	3.76	0.87	P		7.99		11	1	3
3964	91.21	0.46	0.46	91.41	0.41	0.41	6.37	0.48	H	- 1.2	6.12		11	1	3
5872	91.59	0.73	0.66	91.62	0.52	0.45	2.00	0.93	H		6.87	1	31		
5873	90.86	0.58	0.74	90.94	0.53	0.55	3.49	0.83	H		7.21		31		
5874	91.34	0.98	0.72	91.55	0.48	0.38	4.00	0.92	P		7.98		11	1	3
5875	91.27	0.43	0.43	91.29	0.46	0.42	14.61	0.61	H	- 19.7	6.60		25	2	
3696	91.29	0.71	0.62	91.65	0.50	0.42	3.78	0.81	H	- 16.0	6.13		11	1	3
5877	91.27	0.49	0.43	91.36	0.47	0.50	5.50	0.75	H	- 26.6	6.99		11	1	3
5878	91.56	1.05	0.93	91.84	0.81	0.83	23.33	1.32	H		8.08		11	1	3
3699	91.11	0.45	0.43	91.37	0.44	0.41	2.21	0.53	H	- 20.7	6.00		11	1	3
3698	91.27	0.75	0.64	91.29	0.54	0.56	4.40	0.61	P	- 9.0	5.83		11	1	3
3697	91.15	0.45	0.45	91.24	0.45	0.49	8.61	0.61	H	+ 16.1	6.61		11	1	3
5879	91.27	0.77	0.68	91.68	0.63	0.62	3.83	0.98	H	+ 7.2	7.46		35		
5880	91.37	0.79	0.81	91.47	0.57	0.51	23.78	0.91	H		7.27		11	1	3
3700	91.43	0.66	0.44	91.43	0.49	0.39	2.60	0.77	H	- 37.0	5.97	1	31		
3703	90.98	0.44	0.44	91.28	0.44	0.42	3.02	0.50	H	- 16.5	5.19	2	19	1	1
3702	91.41	0.44	0.47	91.41	0.39	0.42	6.08	0.51	H	- 23.	5.75		18		
5881	91.31	0.56	0.52	91.19	0.65	0.58	1.89	1.00	H		8.27	1	13		
3704	91.40	0.49	0.49	91.35	0.38	0.44	11.63	0.73	H	- 88.8	5.58		19	1	1
5882	91.68	1.29	1.30	91.86	1.09	0.87	2.17	0.50	P		9.12		21	2	
5883	91.53	0.82	0.67	91.78	0.53	0.44	2.70	0.93	H		6.53		11	1	3
5884	91.40	0.81	0.66	91.58	0.65	0.59	7.88	0.98	H		6.69		11	1	3
3709	91.32	0.45	0.43	91.52	0.39	0.40	7.12	0.48	H		6.56		11	1	3
5885	91.54	0.86	0.77	91.58	0.67	0.61	11.31	1.24	H		8.63		11	1	3
3705	91.07	0.83	0.72	91.35	0.53	0.47	4.53	1.08	H	+ 18.2	5.99	1	29	2	
3706	91.37	0.76	0.71	91.27	0.56	0.55	1.49	0.34	P	- 8.5	6.76	2	11	1	3
3707	91.44	0.73	0.59	91.32	0.45	0.37	14.31	0.91	H	+ 22.0	5.38		11	1	3
3708	91.64	0.68	0.49	91.61	0.47	0.42	7.99	0.84	H	- 24.5	5.48		31		
5888	91.33	0.77	0.76	91.35	0.71	0.67	.93	0.85	H		8.87		11	1	3
5889	91.23	0.63	0.61	91.41	0.62	0.57	4.41	0.69	H		8.65		11	1	3
3710	91.14	0.67	0.67	91.59	0.54	0.47	11.82	0.80	H	- 77.9	5.64		11	1	3
5890	91.09	1.03	0.64	91.29	0.58	0.50	5.99	1.17	H		7.97		11	1	3
3711	91.33	0.83	0.72	91.44	0.54	0.60	20.89	0.88	H	+ 11.	6.12		19	1	1
3713	91.36	0.82	0.76	91.74	0.61	0.63	29.56	0.96	H	+ 13.8	6.72	1	11	1	3
3714	91.26	0.33	0.33	91.20	0.39	0.40	3.20	0.44	P	- 18.6	5.30		19	1	1
3715	91.31	0.48	0.39	91.33	0.39	0.38	17.96	0.71	H	- 8.0	5.39		29	2	
3718	91.31	0.44	0.47	91.46	0.40	0.42	4.23	0.48	H	+ 3.	5.42		39		
3716	91.09	0.42	0.43	91.26	0.46	0.49	22.41	0.65	H	- 24.4	5.75		11	1	3
3712	91.24	0.43	0.45	91.28	0.44	0.46	8.23	0.64	H	+ 42.9	5.47	2	13		
5892	91.20	0.51	0.48	91.28	0.49	0.46	13.41	0.58	H	- 13.0	7.09		11	1	3
5893	91.22	1.20	0.85	91.24	0.74	0.66	1.84	0.42	P		9.34		11	1	3
5894	91.73	0.63	0.50	91.38	0.54	0.44	3.96	1.03	H		6.96		21	2	
5895	91.01	1.05	0.73	91.71	0.77	0.66	4.80	0.66	P		8.69		13		
5896	91.43	0.74	0.52	91.39	0.47	0.35	7.51	0.89	H	- 11.9	6.57		39		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5866	- 0.39	+ 0.65	+ 1.45	- 0.36	- 0.84	+ 0.69	+ 0.00	+ 0.12	+ 0.84	+ 1.02
5867	+ 0.02	- 0.02	- 0.04	- 2.67	+ 0.73	- 0.09	+ 0.02	+ 0.04	- 1.77	+ 0.13
3695	+ 0.99	- 0.38	- 0.66	+ 1.80	+ 1.75	- 0.38	+ 0.13	+ 0.21	- 0.84	- 0.58
5868	+ 0.18	- 0.11	- 0.16	- 2.05	+ 0.71	- 0.82	+ 0.13	+ 0.16	- 1.14	- 1.06
5869	+ 0.71	- 0.18	- 0.29	+ 2.12	+ 1.02	- 1.09	+ 0.45	+ 0.77	- 1.48	- 1.93
5870	+ 0.11	- 0.16	- 0.37	+ 3.76	- 0.17	- 0.14	+ 0.11	+ 0.24	+ 1.31	- 0.58
5871	+ 0.10	- 0.02	- 0.07	- 0.09	+ 0.53	- 0.53	+ 0.03	+ 0.09	- 5.38	- 0.37
3964	- 0.81	+ 0.30	+ 0.41	- 1.26	- 1.11	- 1.44	+ 0.08	+ 0.18	- 4.34	- 2.37
5872	- 0.10	- 0.07	- 0.23	+ 0.89	- 0.42	+ 1.05	- 0.32	- 0.76	+ 2.56	+ 2.42
5873	- 0.58	+ 0.40	+ 1.23	- 3.81	- 1.41	+ 1.53	- 0.32	- 0.96	+ 8.61	+ 3.31
5874	- 0.29	+ 0.37	+ 0.90	- 0.32	- 0.67	+ 0.64	- 0.03	+ 0.01	+ 0.66	+ 1.05
5875	+ 0.36	- 0.23	- 0.27	- 4.44	+ 1.13	- 1.00	+ 0.50	+ 0.58	+ 4.36	- 1.88
3696	+ 0.21	- 0.08	- 0.18	+ 1.54	+ 0.05	+ 0.07	- 0.01	- 0.03	- 0.23	+ 0.31
5877	- 0.28	+ 0.21	+ 0.31	+ 2.04	- 0.57	- 0.56	+ 0.25	+ 0.39	+ 1.68	- 1.21
5878	+ 0.13	- 0.45	- 0.77	- 0.72	+ 0.54	+ 0.47	- 0.43	- 0.67	+ 2.11	+ 0.28
3699	- 0.46	+ 0.15	+ 0.31	+ 1.57	- 1.92	+ 0.22	- 0.05	- 0.12	+ 2.01	- 0.10
3698	- 0.24	+ 0.37	+ 0.75	- 2.29	+ 0.03	- 0.17	+ 0.14	+ 0.28	+ 0.23	- 0.49
3697	+ 1.06	- 0.07	- 0.13	- 0.39	+ 2.90	+ 1.22	- 0.11	- 0.20	+ 1.92	+ 2.55
5879	- 0.69	+ 0.89	+ 1.93	- 5.66	- 1.11	+ 0.02	+ 0.03	+ 0.07	+ 2.07	- 0.39
5880	+ 1.32	- 0.83	- 1.19	+ 3.39	+ 1.54	+ 0.00	- 0.29	- 0.42	+ 3.98	- 0.71
3700	+ 0.14	- 0.58	- 1.21	+ 1.10	+ 0.06	+ 0.63	- 0.54	- 0.99	- 1.26	+ 1.75
3703	+ 0.27	- 0.10	- 0.18	+ 0.91	+ 0.32	+ 0.13	- 0.04	- 0.07	- 1.74	+ 0.95
3702	+ 0.38	- 0.16	- 0.23	+ 1.43	+ 0.04	+ 0.30	- 0.03	- 0.05	- 1.74	+ 1.20
5881	+ 0.10	- 0.03	- 0.11	- 3.97	+ 1.01	- 0.09	+ 0.05	+ 0.14	- 2.80	+ 0.08
3704	- 0.14	+ 0.07	+ 0.09	- 0.70	+ 0.00	+ 0.74	- 0.17	- 0.22	+ 0.24	+ 1.22
5882	- 0.55	+ 0.33	+ 2.94	- 15.26	- 0.87	+ 0.15	+ 0.00	+ 0.20	+ 6.41	- 0.97
5883	- 0.24	+ 0.22	+ 0.55	- 1.88	- 0.32	+ 0.65	- 0.13	- 0.25	+ 1.88	+ 1.17
5884	- 0.13	+ 0.34	+ 0.59	+ 2.43	- 0.63	+ 0.02	+ 0.10	+ 0.20	+ 2.15	- 0.27
3709	+ 0.13	- 0.03	- 0.05	+ 1.64	- 0.38	- 0.57	+ 0.05	+ 0.09	+ 3.25	- 2.21
5885	+ 0.39	- 0.07	- 0.12	+ 2.13	+ 0.04	- 0.54	+ 0.09	+ 0.13	- 0.81	- 0.86
3705	+ 0.16	- 0.16	- 0.32	+ 0.16	+ 0.33	- 1.32	+ 0.45	+ 0.71	- 1.91	- 2.15
3706	+ 0.13	- 0.11	- 0.49	+ 4.38	- 0.17	- 0.03	- 0.01	- 0.07	+ 0.83	- 0.28
3707	- 0.23	- 0.06	- 0.07	- 2.21	+ 0.71	+ 1.09	- 0.22	- 0.26	+ 1.40	+ 1.26
3708	+ 0.22	- 0.56	- 0.78	+ 1.27	- 0.02	+ 0.76	- 0.61	- 0.77	+ 2.66	+ 0.53
5888	- 0.19	+ 0.15	+ 1.07	- 0.07	- 1.49	- 0.10	+ 0.03	+ 0.21	- 3.36	- 0.24
5889	+ 0.40	- 0.25	- 0.47	+ 2.99	+ 0.47	+ 0.10	- 0.02	- 0.04	+ 5.43	- 0.58
3710	- 0.52	+ 0.22	+ 0.34	- 4.63	+ 0.79	- 0.16	+ 0.06	+ 0.09	+ 1.39	- 0.83
5890	- 0.15	+ 0.66	+ 1.34	+ 0.41	- 0.42	- 0.14	+ 0.14	+ 0.27	- 4.45	+ 0.41
3711	+ 0.23	- 0.39	- 0.51	- 0.27	+ 0.59	- 0.55	+ 0.23	+ 0.28	- 1.25	- 0.35
3713	+ 0.05	- 0.09	- 0.13	+ 0.97	- 0.34	+ 0.43	- 0.48	- 0.58	- 1.17	+ 1.33
3714	- 0.28	+ 0.04	+ 0.06	- 3.66	+ 0.55	- 0.32	+ 0.03	+ 0.07	- 1.31	- 0.59
3715	- 0.01	- 0.19	- 0.20	- 1.63	+ 0.90	+ 0.44	- 0.39	- 0.42	- 3.14	+ 1.52
3718	- 0.66	+ 0.33	+ 0.52	- 2.48	- 0.51	- 0.40	+ 0.11	+ 0.17	+ 0.79	- 1.16
3716	+ 0.86	- 0.26	- 0.30	+ 0.90	+ 1.09	+ 1.10	- 0.21	- 0.27	+ 2.50	+ 0.97
3712	- 0.59	+ 0.11	+ 0.17	- 2.98	+ 0.00	+ 0.21	- 0.07	- 0.11	+ 1.12	+ 0.06
5892	+ 0.05	- 0.02	- 0.02	- 0.06	+ 0.08	+ 0.41	- 0.07	- 0.09	- 1.39	+ 0.80
5893	+ 0.13	- 0.31	- 1.92	+ 2.94	+ 0.16	- 0.16	+ 0.02	- 0.22	+ 0.11	- 0.56
5894	+ 3.07	- 0.67	- 1.35	+ 8.40	+ 4.77	- 1.15	- 0.12	- 0.37	- 0.58	- 1.94
5895	- 0.19	+ 0.56	+ 1.34	+ 0.36	- 0.60	+ 0.74	- 0.48	- 0.85	+ 4.20	+ 0.82
5896	+ 0.36	- 0.33	- 0.46	+ 3.62	+ 0.08	- 0.74	+ 0.30	+ 0.34	- 3.63	- 0.66

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
5866	0.67	0.88	1.15	2.03	0.78	0.68	0.40	0.45	2.22	0.86	2.12	0.86		0.23	1.23	
5867	0.86	1.08	1.47	2.11	1.06	0.81	0.55	0.62	2.52	1.06	0.42	1.20		1.60	0.64	
3695	1.02	0.68	0.72	2.35	1.42	0.97	0.46	0.47	2.42	1.31	1.08	1.60	1.73	0.10	0.58	
5868	0.78	0.95	1.10	2.08	0.91	0.80	0.40	0.42	2.32	0.95	0.96	1.42	0.31	1.21	0.68	t
5869	0.91	0.61	0.65	2.93	1.17	0.90	0.66	0.71	2.81	1.13	1.12	2.28	1.86	0.38	0.85	
5870	0.79	0.99	1.33	2.70	0.91	0.89	0.94	1.20	2.72	1.10	0.56	1.40		1.52	0.18	
5871	1.22	0.98	1.10	3.32	2.10	1.07	0.44	0.45	3.51	2.08	0.34	1.55		1.24	0.33	
3964	0.79	0.52	0.54	1.65	1.02	1.12	0.42	0.43	3.22	1.70	1.70	1.98	1.88	0.55	0.50	
5872	0.80	0.73	0.87	2.18	1.16	0.70	0.48	0.52	2.14	1.02	1.57	2.79	1.78	0.53	1.40	
5873	1.02	0.79	0.88	3.05	1.58	1.00	0.57	0.61	3.23	1.71	3.29	2.68	1.54	1.61	0.75	
5874	0.80	0.98	1.28	2.15	0.98	0.78	0.42	0.46	2.52	1.01	0.56	1.49	1.94	0.21	0.11	
5875	0.74	0.51	0.52	2.18	0.80	0.74	0.50	0.51	2.33	0.80	2.44	2.96	2.15	3.50	1.32	t
3696	0.91	0.67	0.73	2.20	1.35	0.90	0.44	0.45	2.31	1.43	0.75	0.27	0.70	0.61	1.49	
5877	0.66	0.52	0.55	2.74	0.73	0.86	0.56	0.59	3.21	1.05	0.73	1.58	1.37	1.26	1.14	
5878	1.14	1.36	1.56	2.58	1.36	1.23	1.05	1.15	2.82	1.50	0.74	0.92		0.72	0.46	
3699	0.70	0.46	0.49	1.80	1.04	0.75	0.43	0.45	1.92	1.24	1.28	1.93	0.40	1.92	2.18	
3698	0.76	0.85	1.01	1.81	0.94	0.85	0.63	0.69	2.31	1.14	1.46	0.74	0.32	1.17	0.46	t
3697	1.31	0.46	0.47	3.78	2.01	1.29	0.50	0.51	3.92	1.91	0.54	2.03	0.94	0.78	0.71	
5879	0.80	0.85	1.02	3.03	0.95	0.88	0.68	0.75	2.72	1.18	2.48	2.20	2.51	1.66	1.13	t
5880	1.22	0.98	1.05	3.14	1.46	1.18	0.58	0.60	3.21	1.41	1.90	1.57	1.90	1.44	0.56	
3700	0.51	0.64	0.78	1.06	0.64	0.58	0.48	0.54	1.42	0.74	1.79	3.06	3.04	2.07	1.29	t
3703	0.70	0.48	0.51	1.63	0.98	0.74	0.45	0.47	1.82	1.07	1.09	0.98	0.89	1.31	1.93	t
3702	0.74	0.56	0.59	1.40	0.96	0.87	0.45	0.47	2.02	1.16	1.35	1.04	2.14	1.50	2.35	t
5881	0.77	0.55	0.60	2.91	1.18	0.77	0.62	0.70	3.02	1.11	0.85	1.61		1.82	1.75	t
3704	0.84	0.57	0.59	1.80	0.99	0.96	0.48	0.49	2.21	1.18	0.47	1.12	2.13	0.52	0.92	t
5882	1.42	1.34	1.66	4.01	2.47	1.12	0.88	0.97	4.12	2.28	1.34	4.47		3.43	0.85	
5883	0.76	0.83	1.04	2.28	0.96	0.75	0.47	0.51	2.42	1.04	1.31	1.43	2.38	0.69	0.36	
5884	0.77	1.03	1.24	2.29	0.86	0.78	0.81	0.92	2.52	0.87	0.98	0.82	1.72	1.55	0.67	
3709	0.78	0.48	0.50	1.65	0.97	1.13	0.41	0.42	3.22	1.64	1.38	1.39	0.31	1.84	0.93	
5885	1.26	0.86	0.92	2.84	1.77	1.20	0.66	0.69	2.82	1.65	0.83	0.57	0.27	0.63	1.54	
3705	0.77	1.12	1.59	1.51	0.95	0.77	0.53	0.57	1.81	1.03	1.42	2.52	3.52	0.15	2.25	t
3706	0.81	0.79	1.00	2.63	1.12	0.79	0.56	0.62	3.01	1.40	1.75	0.26	0.45	1.63	1.86	t
3707	0.84	0.78	0.82	1.57	1.03	0.84	0.41	0.42	1.71	1.03	1.57	1.45	1.09	1.56	0.40	t 3022
3708	0.60	0.78	0.86	1.24	0.69	0.63	0.54	0.56	1.51	0.71	2.48	1.55	2.60	1.57	1.67	
5888	0.83	0.81	1.03	3.33	1.21	0.79	0.69	0.80	3.64	1.33	1.64	1.01		0.90	1.01	
5889	0.82	0.71	0.78	3.01	1.02	0.96	0.60	0.64	3.46	1.32	0.82	1.91		1.81	0.99	
3710	1.07	0.77	0.81	2.27	1.39	1.05	0.51	0.52	2.31	1.36	2.14	0.70	1.34	2.20	0.75	
5890	0.69	1.08	1.40	2.21	0.76	0.83	0.58	0.62	2.62	1.02	1.14	1.78		1.76	0.28	
3711	0.90	1.12	1.24	1.67	1.04	0.96	0.74	0.77	1.71	1.22	0.83	0.85	1.51	0.61	1.42	t
3713	1.07	1.05	1.13	2.04	1.21	0.92	0.84	0.88	1.71	1.07	0.57	1.39	0.98	1.35	0.23	
3714	0.72	0.35	0.36	1.81	1.00	0.88	0.41	0.42	2.71	1.41	2.08	0.64	1.81	2.05	1.91	t
3715	0.56	0.56	0.58	0.97	0.63	0.60	0.48	0.49	1.31	0.65	2.31	2.70	1.60	3.86	0.96	t
3718	0.72	0.54	0.58	1.59	0.94	0.77	0.45	0.47	1.82	1.06	1.81	1.48	2.53	1.41	0.51	t
3716	0.92	0.48	0.49	1.80	1.05	1.12	0.53	0.54	2.31	1.40	1.33	1.46	1.68	0.57	1.94	t
3712	0.98	0.48	0.49	2.14	1.34	0.94	0.49	0.51	2.22	1.21	1.53	0.17	0.99	1.25	1.23	t
5892	1.01	0.52	0.53	3.56	1.16	1.11	0.48	0.49	3.93	1.32	0.33	0.63	0.96	0.53	0.15	
5893	0.88	1.04	1.75	2.24	1.10	0.81	0.72	0.91	2.42	1.22	1.11	1.71		1.14	1.52	
5894	0.86	0.55	0.59	2.12	1.24	0.77	0.48	0.52	2.13	1.02	4.44	4.85	4.67	1.59	3.20	
5895	0.77	1.14	1.59	2.14	0.89	0.87	0.78	0.89	2.52	1.10	1.69	1.94		1.30	1.56	t
5896	0.64	0.80	0.89	2.03	0.69	0.59	0.44	0.46	2.32	0.62	2.53	1.47	0.29	2.06	1.04	t

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	''	[mas/yr]		[mas/yr]		
5897	106151	FX		21	30	6.036 096	+	35	28	20.685 63	-	7.27	-	5.63
5898	106161	FX		21	30	14.185 320	-	1	32	4.176 43	+	25.78	-	11.55
5899	106173	FX		21	30	21.279 636	+	14	52	4.551 96	-	9.70	-	5.66
5900	106209	FX		21	30	45.299 836	-	75	12	9.160 02	+	9.59	+	3.52
5901	106217	FX		21	30	50.759 517	-	62	14	21.137 99	-	7.64	+	1.73
5902	106280	FX		21	31	34.363 373	-	9	44	40.926 51	-	123.20	-	121.57
3719	106327	RS	ξ Gru	21	32	5.876 297	-	41	10	45.516 29	+	19.58	+	10.84
3720	106363	BX		21	32	33.262 995	-	24	35	25.503 47	+	69.53	+	6.28
5904	106446	FX		21	33	35.716 720	+	27	36	9.668 46	+	19.08	-	4.29
3995	106474	RS		21	33	54.575 873	-	82	40	59.104 15	+	22.74	-	2.53
5905	106483	FX		21	34	1.374 842	-	46	36	38.614 99	+	7.94	-	46.25
5906	106489	FX		21	34	8.496 777	+	24	5	27.151 45	+	2.58	-	12.46
3722	106551	BX	72 Cyg	21	34	46.565 343	+	38	32	2.607 08	+	117.91	+	94.90
3721	106564	RS		21	34	53.001 744	-	29	41	46.023 55	+	14.09	-	15.11
5907	106591	FX		21	35	17.572 501	-	25	19	5.084 25	+	69.13	+	14.02
3724	106723	BX	ε Cap	21	37	4.830 597	-	19	27	57.645 34	+	12.64	+	0.38
5908	106725	FX		21	37	6.541 124	+	11	43	10.182 25	+	22.33	+	10.21
3725	106801	BX	9 Cep	21	37	55.224 234	+	62	4	54.984 18	-	2.06	-	2.72
3723	106881	RS		21	38	56.378 613	-	79	26	33.297 50	+	70.93	-	26.60
3728	106938	BX		21	39	28.106 348	-	10	34	36.818 56	+	21.65	-	51.40
3729	106944	RS	25 Aqr	21	39	33.266 922	+	2	14	36.812 06	-	30.81	-	83.95
5909	106953	FX		21	39	40.259 519	+	17	58	9.225 39	-	15.03	-	4.56
5910	106959	FX		21	39	48.026 696	+	29	56	38.296 54	+	6.62	-	4.62
5911	106976	FX		21	39	56.128 820	-	35	50	33.288 99	+	38.53	-	14.44
5912	106982	FX		21	40	2.394 183	-	40	29	37.176 44	+	7.20	+	6.48
5913	107024	FX		21	40	31.988 019	-	2	30	59.293 59	+	54.88	+	14.72
5914	107026	FX		21	40	32.447 350	+	59	45	9.917 65	+	55.03	+	25.38
3731	107041	RS		21	40	43.306 819	+	54	52	19.741 44	+	7.40	+	3.32
3732	107151	RS	7 Peg	21	42	15.451 552	+	5	40	48.495 12	+	11.22	-	5.72
5915	107160	FX		21	42	21.892 042	-	50	5	36.997 26	+	82.25	+	4.62
5916	107251	FX		21	43	24.899 969	-	7	24	29.710 03	+	2.15	+	2.23
5917	107264	FX		21	43	33.658 520	-	68	3	53.088 85	+	4.66	+	10.82
5918	107289	FX		21	43	54.720 844	-	54	29	59.773 23	-	0.92	-	11.41
3734	107299	RS		21	43	59.030 746	-	57	19	30.886 44	-	116.53	-	52.37
3965	107334	RS		21	44	22.848 943	+	84	2	18.764 38	+	83.55	+	33.90
3736	107344	BX		21	44	29.471 862	-	38	33	9.107 14	+	81.49	-	162.04
3737	107350	RS		21	44	31.330 171	+	14	46	18.977 15	+	231.60	-	113.89
3735	107423	RS		21	45	28.828 695	-	71	0	31.858 47	+	13.10	-	11.46
5919	107431	FX		21	45	33.506 142	-	28	43	29.124 09	+	101.29	-	32.05
5920	107447	FX		21	45	46.067 210	+	7	59	15.163 11	-	78.37	+	0.07
3739	107472	RS	12 Peg	21	46	4.364 217	+	22	56	55.964 50	+	8.91	-	2.67
5922	107485	FX		21	46	14.581 292	-	47	24	11.296 88	-	11.43	-	5.95
3738	107496	RS		21	46	19.783 415	-	62	32	59.263 09	+	39.73	-	37.72
5923	107552	FX		21	46	59.559 308	-	25	4	24.745 16	+	18.49	-	72.42
5924	107583	FX		21	47	21.887 400	+	19	5	50.679 26	+	10.95	+	1.75
5925	107708	FX		21	49	7.016 215	-	22	49	6.599 11	+	16.10	+	15.24
5926	107714	FX		21	49	12.625 856	-	15	7	14.139 04	+	1.66	-	0.63
3744	107734	BX		21	49	26.866 707	+	20	27	44.799 79	+	1.45	+	0.23
3996	107747	RS		21	49	36.625 138	-	82	26	2.387 60	+	83.10	-	49.76
3745	107749	BX		21	49	40.093 818	+	41	8	55.633 73	-	3.10	-	5.71

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5897	91.29	0.38	0.39	91.16	0.47	0.43	3.13	0.71	H	- 12.9	7.29		11	1	3
5898	91.45	0.87	0.66	91.43	0.64	0.62	6.19	1.09	H		8.06		11	1	3
5899	91.10	1.05	0.89	91.47	0.80	0.72	6.43	1.22	H		9.04		11	1	3
5900	91.16	0.58	0.61	91.08	0.56	0.63	3.46	0.77	H		7.66		11	1	3
5901	91.01	0.64	0.70	91.04	0.73	0.75	-1.24	1.28	H		9.06		31		
5902	91.19	0.86	0.62	91.50	0.61	0.57	9.35	0.97	H		7.40		31		
3719	91.18	0.73	0.80	91.70	0.53	0.45	8.51	0.93	H	- 7.8	5.29		31		
3720	91.48	0.74	0.53	91.37	0.47	0.40	14.42	0.86	H	- 8.6	6.43		11	1	3
5904	91.44	0.67	0.67	91.67	0.55	0.64	2.66	0.61	P	- 44.7	7.86		11	1	3
3995	91.21	0.42	0.51	91.22	0.42	0.51	4.01	0.54	H	- 2.8	6.35		29	2	
5905	91.22	0.57	0.54	91.04	0.45	0.37	6.67	0.85	H		6.91		11	1	3
5906	91.18	0.78	0.66	91.68	0.62	0.63	1.77	1.07	H		8.60		21	2	
3722	91.23	0.33	0.31	91.18	0.38	0.35	12.76	0.53	H	- 64.6	4.87		21	2	
3721	91.39	0.84	0.78	91.15	0.50	0.43	4.69	0.95	H	- 11.9	6.42		18		
5907	91.30	0.89	0.92	91.07	0.58	0.60	16.03	1.00	H		7.96		11	1	3
3724	91.26	0.73	0.45	90.95	0.49	0.40	4.92	0.91	H	- 25.1	4.51	2	19	1	1
5908	91.25	0.74	0.60	91.55	0.50	0.47	5.32	0.84	H	+ 12.	7.24		25	2	
3725	91.14	0.44	0.35	91.38	0.41	0.34	1.50	0.35	P	- 13.3	4.76	1	19	1	1
3723	91.12	0.43	0.52	91.19	0.44	0.49	16.64	0.56	H	- 5.6	6.17		11	1	3
3728	91.18	0.75	0.69	91.55	0.57	0.51	10.22	0.91	H	- 9.4	6.07		21	2	
3729	91.14	0.77	0.68	91.10	0.50	0.44	13.55	0.88	H	- 34.5	5.10		15	1	3
5909	91.43	0.71	0.71	91.69	0.56	0.54	7.01	1.02	H		8.45		15	1	3
5910	90.81	0.48	0.60	91.39	0.54	0.57	4.38	0.94	H		8.35		11	1	3
5911	91.25	0.89	0.89	90.93	0.55	0.61	5.13	1.15	H		8.36		11	1	3
5912	91.30	1.18	1.02	90.75	0.62	0.71	2.18	0.50	P		9.11		11	1	3
5913	91.35	0.90	0.84	90.82	0.53	0.50	5.60	1.08	H		7.79		11	1	3
5914	91.29	0.50	0.40	91.40	0.46	0.40	4.67	0.56	H	- 10.3	6.90		11	1	3
3731	91.48	0.45	0.44	91.48	0.47	0.47	4.64	0.58	H	+ 4.1	6.16		21	2	
3732	91.10	0.65	0.62	91.41	0.44	0.45	6.25	0.80	H	- 3.7	5.30	1	19	1	1
5915	91.27	0.70	0.67	90.92	0.42	0.44	13.21	1.00	H		7.62		11	1	3
5916	91.44	0.98	0.64	91.05	0.62	0.48	5.88	1.11	H		8.34		11	1	3
5917	91.33	0.50	0.52	91.20	0.51	0.54	2.90	0.67	P		7.20	2	11	1	3
5918	91.14	0.66	0.77	90.86	0.45	0.51	2.96	0.68	P		7.10	1	31		
3734	91.25	0.57	0.67	90.98	0.38	0.43	23.05	0.77	H	+ 34.9	6.49		35		
3965	91.40	0.53	0.51	91.32	0.46	0.44	10.76	0.55	H		7.11		11	1	3
3736	91.00	0.66	0.63	90.58	0.38	0.47	4.17	0.79	H	- 58.0	6.28		11	1	3
3737	91.22	0.85	0.82	91.38	0.59	0.61	54.37	0.85	H	- 17.0	5.96		19	1	1
3735	91.31	0.42	0.43	91.23	0.40	0.42	4.40	0.57	H	+ 0.5	6.02		39		
5919	91.23	0.86	0.87	91.28	0.59	0.55	15.35	1.00	H	- 17.0	7.64		11	1	3
5920	91.28	0.72	0.66	91.53	0.53	0.54	13.22	0.88	H		7.23		21	2	
3739	91.26	0.63	0.54	91.57	0.52	0.53	1.61	0.37	P	- 10.7	5.29	1	11	1	3
5922	91.19	0.62	0.58	90.91	0.45	0.43	3.42	0.79	P		7.66		11	1	3
3738	91.03	0.40	0.49	91.07	0.43	0.48	5.78	0.74	H		6.91		11	1	3
5923	91.16	1.00	0.92	91.23	0.66	0.59	12.22	1.27	H		8.16		31		
5924	91.36	0.71	0.68	91.32	0.63	0.61	3.45	0.91	H		8.17		11	1	3
5925	91.05	1.05	0.98	91.12	0.72	0.69	8.97	1.28	H		8.56		31		
5926	91.18	0.88	0.64	90.81	0.50	0.46	5.65	1.02	H		8.06		11	1	3
3744	91.29	0.52	0.50	91.29	0.48	0.48	2.50	0.35	P	- 16.3	6.27		19	1	1
3996	91.25	0.52	0.60	91.26	0.48	0.53	10.11	0.63	H		7.16		31		
3745	91.13	0.42	0.36	91.16	0.48	0.44	.76	0.18	P	- 2.3	6.48		19	1	1

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5897	+ 0.25	- 0.09	- 0.15	+ 1.51	+ 0.29	- 0.67	+ 0.27	+ 0.46	- 4.85	- 0.80
5898	+ 0.23	- 0.42	- 0.76	+ 1.16	+ 0.26	- 0.17	+ 0.02	- 0.01	+ 0.14	- 0.33
5899	- 0.06	- 0.08	- 0.24	- 1.71	+ 0.14	+ 0.50	- 0.26	- 0.51	+ 5.40	+ 0.39
5900	- 0.05	+ 0.04	+ 0.14	+ 2.85	- 0.99	+ 1.06	- 0.16	- 0.56	+ 7.87	+ 2.50
5901	+ 0.00	+ 0.00	- 0.23	+ 9.98	- 1.16	+ 0.00	+ 0.00	+ 0.40	- 3.29	- 1.12
5902	- 0.47	+ 1.76	+ 2.86	+ 0.60	- 0.95	+ 0.31	- 0.16	- 0.20	- 1.69	+ 0.68
3719	+ 0.16	- 0.17	- 0.29	- 3.23	+ 1.73	+ 0.71	- 0.09	- 0.15	+ 7.05	- 1.12
3720	+ 0.29	- 0.48	- 0.59	+ 0.44	+ 0.33	- 0.04	- 0.05	- 0.07	+ 0.62	- 0.21
5904	+ 0.67	- 0.29	- 0.88	+ 3.38	+ 1.83	- 0.08	+ 0.09	+ 0.29	- 0.14	- 0.40
3995	+ 0.57	- 0.03	- 0.13	+ 3.71	+ 2.43	- 0.07	+ 0.01	+ 0.03	+ 2.74	- 1.09
5905	- 0.03	- 0.08	- 0.13	- 0.35	+ 0.10	+ 1.49	- 0.22	- 0.32	+ 1.70	+ 2.31
5906	+ 0.61	- 0.58	- 1.99	+ 1.58	+ 2.27	+ 0.40	- 0.37	- 1.25	- 3.26	+ 2.17
3722	+ 3.61	- 1.03	- 1.11	+ 4.82	+ 3.71	+ 4.62	- 1.42	- 1.60	+ 2.97	+ 5.71
3721	- 0.21	+ 0.10	+ 0.25	+ 0.48	- 0.78	- 0.43	+ 0.04	+ 0.09	- 1.21	- 1.03
5907	- 0.18	+ 0.02	+ 0.04	+ 0.76	- 0.72	+ 1.13	- 0.12	- 0.21	+ 3.15	+ 1.50
3724	- 0.13	+ 0.53	+ 0.84	+ 0.29	- 0.36	- 0.14	+ 0.29	+ 0.43	+ 2.15	- 0.71
5908	- 0.38	+ 0.21	+ 0.26	+ 1.15	- 0.68	+ 1.87	- 0.81	- 1.19	+ 5.79	+ 2.52
3725	- 0.11	+ 0.09	+ 0.16	- 0.88	+ 0.04	+ 0.17	- 0.06	- 0.12	+ 0.55	+ 0.30
3723	+ 0.97	- 0.07	- 0.12	- 3.26	+ 3.27	+ 2.31	- 0.20	- 0.31	+ 5.49	+ 3.30
3728	- 2.68	+ 3.82	+ 5.71	- 4.91	- 3.76	+ 2.66	- 0.71	- 0.90	+ 1.32	+ 4.47
3729	+ 0.85	- 1.34	- 1.89	+ 2.67	+ 0.75	- 0.57	- 0.13	- 0.22	+ 2.04	- 1.49
5909	+ 0.02	+ 0.03	+ 0.06	- 2.84	+ 0.50	- 0.36	+ 0.15	+ 0.23	- 0.93	- 0.47
5910	+ 0.66	- 0.26	- 0.52	+ 2.82	+ 1.11	- 0.16	+ 0.06	+ 0.13	- 0.28	- 0.35
5911	- 0.96	+ 0.24	+ 0.76	- 4.72	- 2.36	+ 0.51	+ 0.00	+ 0.02	+ 6.68	- 0.72
5912	+ 0.25	- 0.23	- 1.35	+ 2.76	+ 0.41	- 0.32	+ 0.11	+ 0.18	- 1.68	- 0.78
5913	+ 0.61	- 0.45	- 0.99	+ 0.74	+ 1.39	- 1.07	+ 0.06	+ 0.06	- 0.09	- 2.35
5914	- 0.34	+ 0.23	+ 0.30	+ 3.56	- 0.81	+ 0.40	- 0.12	- 0.18	- 1.60	+ 0.77
3731	- 1.54	+ 0.39	+ 0.62	+ 2.04	- 3.52	+ 1.29	- 0.18	- 0.36	- 0.24	+ 3.11
3732	- 0.02	+ 0.00	- 0.01	+ 0.17	- 0.09	+ 0.19	- 0.04	- 0.06	- 0.34	+ 0.48
5915	- 0.87	+ 0.27	+ 0.40	- 1.42	- 1.29	+ 0.41	- 0.03	- 0.03	- 2.02	+ 1.33
5916	- 0.20	+ 0.55	+ 1.04	+ 1.45	- 0.71	+ 0.31	+ 0.01	+ 0.07	+ 1.56	+ 0.20
5917	+ 0.50	- 0.10	- 0.31	+ 0.86	+ 1.81	- 0.89	+ 0.15	+ 0.48	- 5.21	- 2.24
5918	- 0.66	+ 0.18	+ 0.69	- 9.16	- 0.41	+ 0.22	+ 0.02	+ 0.12	- 0.80	+ 0.96
3734	+ 2.08	- 0.17	- 0.33	+15.82	+ 0.45	+ 2.59	- 0.11	- 0.18	- 0.67	+ 5.93
3965	+ 0.69	- 0.35	- 0.45	- 0.74	+ 1.64	+ 0.32	+ 0.01	+ 0.00	+ 0.58	+ 0.48
3736	+ 0.07	- 0.03	- 0.07	- 1.25	+ 0.67	+ 0.02	- 0.01	- 0.02	- 2.67	+ 1.04
3737	+ 0.63	- 0.40	- 0.52	+ 1.05	+ 0.81	- 1.99	+ 0.33	+ 0.44	- 4.77	- 2.04
3735	+ 0.03	+ 0.00	- 0.01	+ 0.68	- 0.16	- 0.16	+ 0.01	+ 0.03	- 5.46	+ 1.37
5919	+ 0.78	- 0.37	- 0.62	+ 3.98	+ 0.20	+ 0.37	- 0.11	- 0.18	- 0.28	+ 0.86
5920	+ 1.06	+ 0.45	+ 0.77	+ 2.85	+ 1.05	- 9.45	+ 2.52	+ 3.46	-13.35	-12.91
3739	- 0.03	+ 0.05	+ 0.16	+ 0.89	- 0.55	- 0.17	+ 0.12	+ 0.32	- 2.17	+ 0.32
5922	+ 0.09	+ 0.01	+ 0.02	+ 0.21	+ 0.14	- 0.53	+ 0.11	+ 0.21	- 4.58	- 0.09
3738	+ 0.00	- 0.02	- 0.04	- 1.63	+ 0.51	- 1.35	+ 0.11	+ 0.27	- 0.28	- 4.01
5923	- 1.74	+ 1.50	+ 2.69	- 6.55	- 2.24	- 1.14	+ 0.40	+ 0.71	- 5.13	- 1.08
5924	+ 0.21	- 0.13	- 0.29	+ 0.36	+ 0.48	- 0.16	+ 0.07	+ 0.13	+ 2.45	- 0.74
5925	- 0.93	+ 1.00	+ 2.10	- 5.27	- 1.17	- 0.96	+ 0.38	+ 0.66	- 4.95	- 0.84
5926	- 0.20	+ 0.81	+ 1.71	- 1.28	- 0.33	- 0.09	+ 0.04	+ 0.08	- 2.15	+ 0.19
3744	- 0.06	+ 0.10	+ 0.24	+ 0.88	- 0.59	- 0.74	+ 0.28	+ 0.60	- 1.38	- 1.70
3996	- 0.03	+ 0.02	+ 0.04	- 1.48	+ 0.32	+ 0.74	- 0.07	- 0.13	- 8.98	+ 3.92
3745	- 0.10	+ 0.07	+ 0.17	- 0.22	- 0.28	- 0.09	+ 0.02	+ 0.09	- 2.47	+ 0.42

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
5897	0.70	0.42	0.44	2.48	0.90	0.70	0.48	0.51	2.72	0.87	2.03	1.32	0.43	1.49	1.09	
5898	0.76	0.97	1.17	2.00	0.88	0.88	0.73	0.81	2.32	1.10	0.77	0.83		0.45	0.93	
5899	1.01	1.18	1.49	3.51	1.20	1.04	0.82	0.92	3.71	1.32	0.57	1.61		1.37	0.50	
5900	1.08	0.62	0.65	3.98	1.96	1.08	0.65	0.68	3.74	1.99	2.32	1.55	1.27	1.54	0.61	
5901	0.70	0.70	0.79	3.54	1.69	0.75	0.75	0.85	3.73	1.82	2.98	0.90	2.98	2.89	0.93	
5902	0.69	1.12	1.34	2.26	0.74	0.83	0.71	0.75	2.72	0.94	1.01	2.62	1.66	1.05	1.15	
3719	1.12	0.93	1.02	2.50	1.51	1.12	0.47	0.48	2.61	1.58	2.93	1.27	1.25	3.17	0.74	
3720	0.68	0.82	0.87	1.39	0.76	0.73	0.47	0.48	1.71	0.82	0.72	0.83	1.37	0.44	0.51	
5904	0.91	0.72	0.81	3.74	1.31	0.95	0.66	0.72	4.21	1.49	1.79	1.12		0.40	1.09	
3995	1.21	0.51	0.52	5.15	2.75	1.18	0.51	0.52	4.92	2.49	0.92	1.01	5.96	0.73	1.53	t
5905	0.97	0.58	0.61	2.41	1.32	0.89	0.39	0.40	2.43	1.16	0.83	2.15	0.52	0.28	0.63	
5906	0.77	0.74	0.90	2.50	1.06	0.75	0.70	0.83	2.52	1.04	3.91	1.55		2.01	2.22	
3722	0.60	0.37	0.38	1.21	0.65	0.65	0.41	0.42	1.62	0.71	5.49	11.35	8.85	1.75	4.24	
3721	1.10	0.84	0.93	3.53	1.57	1.08	0.44	0.45	3.51	1.79	0.37	0.82	1.02	0.33	0.89	t
5907	1.51	1.00	1.06	3.55	2.18	1.50	0.63	0.64	3.61	2.22	0.81	0.93		0.53	0.85	
3724	0.52	0.78	0.92	1.18	0.59	0.55	0.55	0.60	1.41	0.63	1.21	1.56	0.62	1.92		t
5908	0.71	0.84	0.97	2.82	0.79	0.75	0.55	0.59	3.21	0.87	2.15	3.73	1.57	1.16	2.42	t
3725	0.46	0.42	0.47	1.05	0.61	0.56	0.37	0.39	1.43	0.84	1.00	0.48	0.85	0.77		t
3723	1.50	0.53	0.54	3.82	2.12	1.43	0.50	0.51	4.02	1.92	1.65	2.39	0.95	1.57	0.33	
3728	0.86	0.97	1.08	1.65	1.07	0.92	0.58	0.60	1.91	1.19	5.53	7.53	7.26	1.52	5.80	
3729	0.85	1.02	1.13	1.83	0.97	0.99	0.49	0.51	2.31	1.21	2.29	2.14	1.81	1.64	0.60	t
5909	0.93	0.88	0.99	2.74	1.12	0.88	0.62	0.66	2.72	1.06	0.65	1.07		1.14	0.80	t
5910	0.92	0.66	0.71	3.15	1.24	0.95	0.60	0.64	3.31	1.32	1.18	1.04		0.51	0.37	
5911	1.31	0.93	1.01	3.43	2.37	1.23	0.62	0.65	3.62	2.33	1.24	2.39		1.81	1.59	
5912	1.09	1.15	1.67	2.33	1.62	0.87	0.77	0.94	2.43	1.34	1.67	1.06	1.37	0.89	1.07	
5913	1.01	1.04	1.25	2.59	1.31	0.99	0.54	0.59	2.72	1.41	0.61	2.20	0.59	0.77	0.84	
5914	0.60	0.48	0.51	2.35	0.67	0.72	0.44	0.46	2.93	0.84	1.44	1.65	1.78	1.95	1.20	
3731	0.84	0.47	0.49	2.52	1.09	0.98	0.48	0.50	3.31	1.39	0.55	4.21	1.99	2.23	0.88	
3732	0.81	0.80	0.89	1.82	0.99	0.92	0.49	0.51	2.31	1.22	0.15	0.42	0.69	0.34	0.18	t
5915	1.19	0.74	0.77	2.83	1.55	1.12	0.46	0.47	2.73	1.46	0.95	1.33	0.16	1.08	1.06	
5916	0.71	1.03	1.29	1.98	0.81	0.82	0.55	0.60	2.32	1.03	1.19	0.64		1.14	0.26	
5917	0.96	0.54	0.56	3.66	1.67	0.95	0.55	0.58	3.54	1.60	1.62	1.98	2.37	0.80	1.23	
5918	1.07	0.81	0.89	3.35	1.85	0.95	0.52	0.55	3.33	1.69	2.85	0.73	1.49	2.34	2.20	
3734	1.78	0.69	0.70	4.95	2.59	1.68	0.44	0.44	4.81	2.40	3.23	2.52	2.36	3.01	1.08	t
3965	0.86	0.60	0.62	1.70	1.06	1.24	0.45	0.46	3.34	1.72	0.23	1.73	0.62	1.19	0.70	
3736	0.92	0.70	0.76	2.25	1.35	0.91	0.50	0.52	2.31	1.40	1.22	0.84	0.38	1.56	0.23	
3737	1.25	1.02	1.08	2.91	1.41	1.43	0.66	0.67	3.31	1.78	1.63	1.52	2.20	0.73	0.36	t
3735	1.08	0.44	0.45	3.19	1.95	1.10	0.42	0.43	3.42	2.05	1.61	0.64	2.56	1.73	1.19	t
5919	1.35	0.98	1.05	2.92	1.88	1.27	0.58	0.60	3.01	1.72	1.48	0.67	2.06	1.14	1.49	
5920	0.99	0.81	0.86	3.60	1.11	1.06	0.60	0.62	3.71	1.23	11.89	4.51		0.49	6.80	
3739	0.64	0.62	0.75	1.41	0.93	0.67	0.59	0.68	1.51	1.02	1.59	0.60	1.05	1.61	0.76	
5922	0.85	0.63	0.69	2.18	1.24	0.78	0.46	0.48	2.23	1.10	2.10	0.27	2.14	1.80	0.73	
3738	1.18	0.50	0.51	3.62	1.96	1.19	0.49	0.50	4.01	1.93	0.46	2.16	1.16	0.99	0.45	
5923	1.22	1.11	1.24	3.02	1.57	1.29	0.63	0.65	3.31	1.78	2.59	3.29		1.66	2.31	
5924	0.86	0.78	0.90	2.86	1.12	0.83	0.70	0.78	2.81	1.08	0.88	0.82		1.06	0.14	
5925	1.19	1.19	1.39	3.07	1.54	1.12	0.76	0.80	3.01	1.48	2.82	1.80	1.67	1.71	0.86	t
5926	0.69	1.09	1.43	2.21	0.76	0.81	0.51	0.53	2.52	1.01	1.26	1.42		0.95	0.92	
3744	0.76	0.54	0.58	1.99	1.14	0.73	0.52	0.56	1.81	1.09	1.10	1.95	1.74	0.66	1.14	t
3996	1.47	0.61	0.63	4.46	2.34	1.41	0.54	0.55	4.52	2.11	1.97	1.86	0.29	2.61	1.43	t
3745	0.44	0.42	0.50	1.06	0.64	0.53	0.49	0.59	1.42	0.80	1.72	0.61	0.67	1.78	0.47	t

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3743	107766	RS		21 49 53.898 695	- 27 24 14.148 14	+ 30.97	- 10.56
3742	107773	BX		21 50 0.125 647	- 64 42 45.133 90	- 3.47	- 38.51
5927	107793	FX		21 50 11.462 399	- 11 20 35.201 04	- 1.59	- 7.10
5928	107832	FX		21 50 44.432 354	+ 55 24 42.246 13	+ 42.70	+ 21.58
5929	107869	FX		21 51 18.989 438	+ 22 51 35.794 04	+ 24.11	+ 6.49
5930	107939	FX		21 52 4.743 274	- 1 17 6.126 11	+ 22.96	- 6.08
3746	107963	RS		21 52 21.473 089	- 41 24 45.557 66	+ 1.70	- 20.24
5932	107998	FX		21 52 48.151 246	- 57 20 4.827 19	- 18.69	+ 6.29
5933	108051	FX		21 53 24.886 263	+ 11 38 3.963 50	- 27.96	- 12.79
3755	108133	RS		21 54 26.550 256	+ 80 18 30.813 59	+ 1.81	- 14.42
3750	108151	BX		21 54 42.972 483	+ 67 45 13.683 17	+ 32.95	+ 18.81
3749	108165	BX	13 Cep	21 54 53.153 900	+ 56 36 40.414 12	- 3.99	- 2.67
5935	108166	FX		21 54 53.785 269	+ 15 13 31.858 20	+ 38.37	- 25.13
3747	108167	BX		21 54 54.371 798	+ 32 20 19.450 89	- 8.36	- 2.76
5936	108224	FX		21 55 29.829 604	+ 44 56 54.771 40	+ 15.37	- 1.63
3748	108268	RS		21 56 3.445 285	- 52 27 49.531 52	+ 22.49	- 38.22
3751	108339	BX	17 Peg	21 56 56.371 978	+ 12 4 35.369 64	- 28.17	- 14.02
5938	108352	FX		21 57 4.495 024	- 19 11 23.628 75	- 20.99	+ 4.25
5939	108363	FX		21 57 9.820 003	+ 83 29 32.828 69	+ 5.10	- 7.47
5940	108366	FX		21 57 13.017 930	+ 35 20 57.983 22	+ 9.65	- 4.32
3753	108402	BX		21 57 39.355 683	- 8 33 51.542 04	+ 9.39	+ 5.40
3758	108420	RS		21 57 51.056 668	+ 74 59 48.171 15	- 4.19	- 10.60
5941	108473	FX		21 58 28.417 700	+ 3 46 36.900 95	- 245.75	- 132.99
3757	108494	BX		21 58 43.791 496	- 21 10 58.594 95	+ 23.91	- 5.64
5942	108500	FX		21 58 49.915 407	+ 70 53 7.014 46	+ 25.17	+ 12.17
5943	108601	FX		22 0 1.338 671	+ 39 13 58.409 26	+ 11.20	+ 6.30
3759	108612	RS	18 Peg	22 0 7.927 558	+ 6 43 2.779 04	+ 14.48	+ 1.21
5944	108646	FX		22 0 36.641 593	+ 75 4 22.513 98	- 4.36	+ 1.44
5945	108672	FX		22 0 54.924 526	+ 31 32 3.394 85	+ 15.31	- 4.43
5946	108745	FX		22 1 42.994 994	+ 41 32 20.934 34	- 11.04	- 11.81
3763	108758	RS		22 1 50.587 598	+ 52 52 56.109 70	+ 9.86	+ 2.64
5947	108778	FX		22 2 6.959 665	- 65 14 22.368 61	+ 48.73	- 74.84
3761	108784	BX		22 2 11.855 925	- 17 54 12.504 01	+ 119.65	- 59.50
3762	108809	RS		22 2 32.964 240	- 32 8 1.494 64	- 19.44	+ 22.65
3764	108814	BX		22 2 38.501 383	+ 15 59 11.358 31	+ 12.51	- 19.81
5948	108827	FX		22 2 48.388 630	- 2 28 44.348 04	- 68.65	- 116.33
3765	108874	RS	0 Aqr	22 3 18.843 845	- 2 9 19.312 65	+ 24.34	- 11.80
5949	108931	FX		22 4 5.983 733	- 13 1 10.658 62	- 5.35	- 9.05
5950	108972	FX		22 4 35.007 304	- 4 50 24.192 07	+ 7.78	- 0.84
3767	108975	RS		22 4 36.767 269	- 26 49 20.493 21	+ 12.89	- 9.71
3766	108976	RS		22 4 38.430 578	- 64 43 42.013 41	+ 26.53	- 58.61
5951	109047	FX		22 5 26.402 071	- 48 43 7.046 69	+ 33.66	- 33.10
3768	109056	BX	23 Peg	22 5 34.674 880	+ 28 57 50.328 40	+ 30.33	- 9.77
5952	109059	FX		22 5 35.468 702	- 30 42 28.157 45	+ 42.74	+ 12.37
3769	109102	BX		22 6 1.952 038	+ 45 0 51.652 07	- 9.55	- 15.58
3770	109190	RS		22 7 9.634 728	+ 58 50 26.586 52	- 15.61	- 22.18
5953	109199	FX		22 7 15.110 108	- 22 14 26.413 09	+ 18.27	+ 17.36
5955	109290	FX		22 8 26.163 153	- 16 32 34.729 83	+ 24.79	+ 10.66
5956	109338	FX		22 9 1.425 034	+ 48 31 7.716 91	+ 77.00	+ 34.64
5957	109380	FX		22 9 30.492 953	- 8 48 2.002 95	+ 3.35	- 4.54

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3743	91.29	0.78	0.54	90.99	0.47	0.40	7.95	0.90	H	+ 10.2	7.12		11	1	3
3742	91.35	0.36	0.38	91.32	0.39	0.38	9.77	0.63	H	- 3.9	5.62		11	1	3
5927	91.24	0.95	0.73	91.07	0.61	0.49	1.46	1.14	H		8.14		11	1	3
5928	91.41	0.70	0.61	91.44	0.71	0.61	6.12	0.92	H		9.05		11	1	3
5929	91.36	0.77	0.67	91.26	0.65	0.58	3.85	0.92	H		7.85		15	1	3
5930	91.11	1.11	0.70	91.28	0.71	0.55	9.13	1.30	H		8.66		31		
3746	91.09	0.70	0.79	90.88	0.48	0.49	4.85	0.88	H		6.84		11	1	3
5932	91.15	0.65	0.68	91.16	0.48	0.47	4.57	0.95	H		7.88		15	1	3
5933	91.04	0.92	0.83	91.12	0.67	0.62	4.87	1.05	H		7.81		11	1	3
3755	91.21	0.45	0.47	91.40	0.44	0.44	3.95	0.51	H		6.43	2	23	2	
3750	91.32	0.55	0.57	91.36	0.50	0.54	8.31	0.58	H		6.96		21	2	
3749	91.37	0.44	0.35	91.49	0.41	0.34	1.20	0.17	P	- 15.	5.74	2	39		
5935	91.54	0.73	0.75	91.17	0.58	0.57	11.71	0.91	H	+ 2.0	7.74		28	2	
3747	90.94	0.57	0.45	91.07	0.62	0.52	1.78	0.80	H		7.09		11	1	3
5936	91.23	0.54	0.54	91.31	0.49	0.49	3.12	0.70	H	- 16.	7.72		18		
3748	90.97	0.60	0.79	90.97	0.46	0.51	5.23	0.82	H		6.50		31		
3751	91.10	0.79	0.49	91.33	0.51	0.40	7.41	0.89	H	+ 10.3	5.54		19	1	1
5938	91.39	1.05	0.63	90.85	0.56	0.51	5.25	1.15	H		7.50		11	1	3
5939	91.46	0.59	0.59	91.28	0.53	0.48	6.40	0.63	H		7.79		11	1	3
5940	91.25	0.53	0.52	91.31	0.52	0.52	2.26	0.98	H		8.80		11	1	3
3753	91.38	0.79	0.61	91.04	0.51	0.47	4.71	0.89	H	- 3.1	6.80		35		
3758	91.34	0.52	0.49	91.48	0.43	0.44	2.93	0.52	H	- 16.6	6.32	1	31		
5941	91.04	0.83	0.66	91.44	0.85	0.63	23.68	1.05	H	+ 24.6	6.95		21	2	
3757	91.41	0.73	0.59	91.09	0.50	0.43	1.15	0.81	H	+ 3.2	6.06	2	23	2	
5942	91.21	0.72	0.67	91.40	0.71	0.64	6.95	0.80	H		9.17		31		
5943	91.03	0.67	0.59	91.34	0.79	0.70	2.65	1.19	H		8.95		13		
3759	91.25	0.71	0.57	91.36	0.57	0.60	3.00	0.41	P	- 7.4	6.00		19	1	1
5944	91.30	0.65	0.62	91.41	0.55	0.55	3.57	0.67	H	- 3.1	8.73	2	17		
5945	90.93	0.62	0.72	91.12	0.66	0.71	4.37	0.85	H	- 1.0	7.77		19	1	1
5946	91.06	0.42	0.46	91.24	0.48	0.51	2.44	0.69	H		6.99		31		
3763	91.29	0.38	0.34	91.35	0.39	0.37	3.08	0.48	H	- 22.0	5.79		19	1	1
5947	91.20	0.47	0.53	91.27	0.50	0.49	4.76	0.77	H		7.36		31		
3761	91.21	0.70	0.47	91.31	0.45	0.34	11.79	0.80	H	- 16.5	6.28		31		
3762	91.39	0.71	0.69	90.94	0.51	0.50	33.25	0.91	H		6.63		11	1	3
3764	91.10	0.61	0.59	91.55	0.54	0.59	5.97	0.86	H	- 11.3	6.71		11	1	3
5948	91.23	1.02	0.69	91.24	0.70	0.57	11.55	1.17	H		8.51		11	1	3
3765	91.20	0.76	0.46	90.92	0.51	0.42	8.56	0.81	H	+ 11.0	4.74	2	19	1	1
5949	91.38	0.80	0.55	91.29	0.53	0.42	6.33	0.87	H		7.49		11	1	3
5950	91.22	0.88	0.59	91.46	0.57	0.50	5.80	0.80	P		7.75		15	1	3
3767	91.09	0.66	0.62	91.10	0.44	0.45	1.30	0.18	P	+ 2.	5.97	1	38		
3766	91.20	0.43	0.48	91.29	0.48	0.50	8.19	0.72	H	- 4.6	7.33	2	11	1	3
5951	91.34	0.73	0.62	90.98	0.59	0.56	5.94	1.05	H		8.08		11	1	3
3768	90.83	0.40	0.38	91.35	0.54	0.44	10.71	0.68	H	- 16.5	5.69	1	18		
5952	91.14	0.93	1.03	90.78	0.74	0.72	10.42	1.23	H		8.19		11	1	3
3769	91.32	0.42	0.38	91.29	0.42	0.43	5.27	0.63	H	- 24.4	5.09	1	11	1	3
3770	91.23	0.43	0.39	91.42	0.42	0.39	5.82	0.51	H	- 10.	6.34		19	1	1
5953	91.49	0.72	0.66	91.59	0.52	0.47	3.66	0.83	H		6.83		21	2	
5955	91.35	0.92	0.71	91.28	0.57	0.48	7.00	0.97	H		7.30		31		
5956	91.34	0.46	0.46	91.36	0.48	0.48	10.07	0.65	H	- 17.2	7.15	1	21	2	
5957	91.51	0.97	0.75	91.42	0.57	0.49	8.07	1.08	H		8.67		21	2	

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3743	+ 0.44	- 0.71	- 1.01	+ 2.19	+ 0.04	+ 0.15	- 0.08	- 0.12	+ 1.62	- 0.20
3742	+ 0.56	- 0.09	- 0.13	+ 2.76	- 0.13	- 0.96	+ 0.14	+ 0.20	- 0.48	- 1.64
5927	- 0.24	+ 0.35	+ 1.72	- 1.11	- 1.10	+ 0.14	+ 0.05	+ 0.36	- 1.42	+ 0.57
5928	+ 0.30	- 0.16	- 0.25	+ 3.72	+ 0.07	- 0.46	+ 0.20	+ 0.32	+ 0.39	- 0.88
5929	+ 0.50	- 0.44	- 0.93	- 1.43	+ 1.50	- 0.53	+ 0.28	+ 0.50	- 0.57	- 1.04
5930	+ 0.37	- 0.14	- 0.09	- 0.19	+ 0.64	- 2.09	+ 0.69	+ 1.01	- 3.83	- 2.77
3746	- 1.11	+ 0.33	+ 0.91	- 2.60	- 3.38	+ 0.05	- 0.02	- 0.05	+ 1.00	- 0.05
5932	+ 0.84	- 0.60	- 1.21	+ 1.82	+ 1.69	- 0.19	+ 0.09	+ 0.18	- 0.90	- 0.22
5933	+ 0.04	- 0.09	- 0.22	+ 1.91	- 0.15	+ 0.39	- 0.20	- 0.37	+ 2.20	+ 0.47
3755	- 0.27	+ 0.10	+ 0.18	- 3.06	+ 0.74	+ 0.06	- 0.04	- 0.07	+ 1.32	- 0.15
3750	- 1.41	+ 0.91	+ 1.29	- 6.96	+ 0.23	- 0.72	+ 0.07	+ 0.13	- 4.43	+ 0.11
3749	- 0.16	+ 0.13	+ 0.27	+ 0.17	- 0.49	- 0.50	+ 0.22	+ 0.47	+ 0.69	- 1.61
5935	+ 0.24	- 0.80	- 1.29	+ 5.36	- 0.36	+ 2.35	- 1.37	- 1.86	+ 9.82	+ 2.10
3747	- 0.04	+ 0.07	+ 0.17	- 0.93	+ 0.34	- 0.27	+ 0.44	+ 1.08	+ 0.88	- 1.30
5936	+ 0.25	- 0.15	- 0.35	+ 1.11	+ 0.55	- 0.63	+ 0.17	+ 0.40	+ 0.09	- 1.62
3748	+ 0.44	- 0.11	- 0.42	+ 4.61	+ 1.17	+ 1.70	- 0.12	- 0.40	- 0.34	+ 7.17
3751	+ 0.07	- 0.11	- 0.21	+ 1.36	- 0.42	- 0.06	+ 0.08	+ 0.10	+ 1.33	- 0.56
5938	+ 0.12	- 0.38	- 0.81	+ 1.66	+ 0.00	- 0.14	+ 0.06	+ 0.07	+ 1.17	- 0.43
5939	+ 0.43	- 0.24	- 0.37	- 2.49	+ 1.11	+ 0.27	- 0.03	- 0.05	+ 0.09	+ 0.49
5940	+ 0.02	- 0.01	- 0.04	+ 0.56	- 0.01	- 0.19	+ 0.06	+ 0.16	+ 0.94	- 0.74
3753	- 0.44	+ 0.67	+ 1.22	- 0.18	- 1.12	- 0.22	+ 0.23	+ 0.42	- 0.06	- 0.58
3758	- 0.74	+ 0.44	+ 0.79	+ 0.37	- 2.13	- 0.21	- 0.04	- 0.05	- 1.10	- 0.24
5941	+ 0.86	- 1.86	- 2.48	+ 3.86	+ 0.67	- 0.44	+ 0.07	- 0.06	+ 2.34	- 0.88
3757	- 0.76	+ 0.98	+ 3.86	- 2.94	- 3.08	+ 0.63	- 0.24	- 0.64	+ 3.84	+ 1.11
5942	- 0.10	+ 0.09	+ 0.16	+ 7.27	- 1.29	- 1.45	+ 0.52	+ 0.91	- 1.31	- 2.77
5943	- 0.11	- 0.08	- 0.34	- 0.72	- 0.08	- 0.59	+ 0.27	+ 0.88	- 4.71	- 1.35
3759	- 0.05	+ 0.03	+ 0.05	- 2.07	+ 0.21	+ 0.57	- 0.21	- 0.51	+ 3.33	+ 0.81
5944	+ 0.54	- 0.31	- 0.66	+ 3.04	+ 0.96	- 0.51	+ 0.15	+ 0.34	- 0.18	- 1.32
5945	+ 0.19	- 0.03	- 0.09	- 2.48	+ 1.01	- 0.36	+ 0.10	+ 0.26	+ 6.98	- 2.24
5946	- 0.30	+ 0.15	+ 0.41	- 1.02	- 0.83	+ 1.00	- 0.26	- 0.72	+ 7.29	+ 1.91
3763	- 0.29	+ 0.08	+ 0.13	+ 0.13	- 0.53	- 0.07	+ 0.01	+ 0.03	+ 1.31	- 0.52
5947	+ 1.48	- 0.30	- 0.65	+ 3.83	+ 3.17	- 1.06	+ 0.24	+ 0.50	- 5.18	- 1.70
3761	+ 0.77	- 1.64	- 2.03	+ 0.92	+ 0.99	+ 0.06	- 0.28	- 0.36	- 0.17	+ 0.16
3762	+ 0.17	- 0.04	- 0.05	+ 0.01	+ 0.34	- 0.01	- 0.01	- 0.01	- 0.57	+ 0.28
3764	+ 0.11	- 0.01	- 0.02	+ 1.34	- 0.22	- 0.67	+ 0.49	+ 0.77	+ 0.75	- 1.76
5948	- 0.38	+ 0.87	+ 1.34	- 2.69	- 0.20	- 1.33	+ 0.63	+ 0.87	- 1.44	- 1.94
3765	- 0.02	+ 0.35	+ 0.47	+ 1.64	- 0.60	- 0.65	+ 0.54	+ 0.66	- 0.91	- 0.78
5949	- 0.11	+ 0.29	+ 0.45	+ 0.22	- 0.24	- 0.84	+ 0.38	+ 0.52	- 3.08	- 0.88
5950	- 0.12	+ 0.45	+ 0.85	- 2.56	+ 0.17	- 0.37	+ 0.38	+ 0.61	- 2.71	- 0.23
3767	+ 0.13	- 0.08	- 0.30	+ 1.47	+ 0.22	- 0.25	+ 0.05	+ 0.17	- 4.99	+ 0.46
3766	- 1.68	+ 0.15	+ 0.31	- 6.53	- 2.86	+ 0.68	- 0.10	- 0.21	+ 3.54	+ 1.00
5951	- 0.78	+ 0.32	+ 0.60	- 4.13	- 0.78	- 0.35	+ 0.17	+ 0.33	- 3.51	+ 0.08
3768	+ 0.21	- 0.27	- 0.30	- 0.57	+ 0.69	- 0.29	+ 0.24	+ 0.29	- 2.27	+ 0.35
5952	- 0.25	+ 0.14	+ 0.31	+ 1.90	- 1.56	- 0.58	+ 0.12	+ 0.23	+ 0.93	- 1.97
3769	- 0.49	+ 0.18	+ 0.20	+ 0.68	- 1.47	- 1.06	+ 0.12	+ 0.22	- 1.31	- 1.81
3770	+ 0.70	- 0.35	- 0.45	+ 2.73	+ 0.19	+ 0.57	- 0.08	- 0.12	- 0.47	+ 1.30
5953	- 0.80	+ 0.83	+ 1.80	- 1.72	- 1.84	- 0.72	+ 0.46	+ 0.86	- 5.20	- 0.76
5955	+ 0.68	- 1.28	- 2.29	+ 3.04	+ 0.92	- 1.21	+ 0.44	+ 0.61	- 4.87	- 1.30
5956	- 2.13	+ 0.63	+ 0.85	- 4.55	- 2.70	+ 3.44	- 0.89	- 1.24	+ 1.85	+ 5.24
5957	- 1.04	+ 1.89	+ 3.33	- 3.56	- 1.43	- 0.97	+ 0.45	+ 0.67	+ 3.13	- 2.22

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
3743	0.67	0.81	0.90	1.37	0.79	0.73	0.46	0.47	1.71	0.88	2.17	0.89	0.52	1.66	0.70	
3742	1.08	0.39	0.40	2.21	1.53	1.00	0.39	0.40	2.32	1.29	1.32	1.36	2.22	1.16	0.59	
5927	0.78	0.85	1.21	2.10	1.05	0.68	0.53	0.62	2.52	1.04	1.84	1.32		0.73	0.50	
5928	0.83	0.74	0.81	2.87	0.98	0.90	0.70	0.75	3.33	1.10	0.96	1.33		1.26	0.94	
5929	0.82	0.82	0.96	2.39	1.03	0.79	0.67	0.75	2.42	1.00	2.19	0.46		1.14	0.77	t
5930	0.82	1.08	1.27	2.00	0.95	0.95	0.64	0.69	2.32	1.20	2.89	2.00		0.55	0.66	
3746	1.19	0.83	0.89	3.95	1.86	1.20	0.49	0.50	4.31	2.31	0.90	2.08	1.26	0.28	1.65	
5932	0.89	0.78	0.88	2.49	1.16	0.83	0.51	0.54	2.43	1.11	1.22	2.00	2.07	0.26	0.82	t
5933	0.90	1.14	1.51	2.82	1.06	0.89	0.70	0.76	2.81	1.15	0.61	1.11		0.89	1.28	
3755	0.76	0.53	0.56	1.60	1.06	1.02	0.45	0.47	3.13	1.74	1.96	0.47	3.71	2.02	3.44	t
3750	0.83	0.69	0.74	1.64	1.04	1.17	0.56	0.58	2.72	1.74	4.87	0.83	1.94	3.96	1.36	
3749	0.46	0.40	0.45	1.12	0.62	0.50	0.38	0.41	1.33	0.72	0.18	2.68	2.45	1.61	0.17	t
5935	0.93	1.04	1.17	2.64	1.07	0.89	0.68	0.72	2.62	1.03	3.15	4.83		3.40	0.69	t
3747	0.53	0.58	0.69	1.05	0.74	0.59	0.66	0.82	1.32	0.79	0.88	2.10	1.05	1.73	0.64	
5936	0.82	0.59	0.64	3.43	1.10	0.85	0.52	0.55	3.92	1.21	1.64	0.42		0.45	0.19	t
3748	1.38	0.80	0.84	5.04	2.72	1.26	0.52	0.53	4.81	2.39	0.98	3.13	0.51	1.52	0.64	
3751	0.55	1.05	1.28	1.06	0.62	0.58	0.53	0.55	1.22	0.68	1.33	0.78	1.26	1.98	0.58	t
5938	0.69	1.05	1.36	1.89	0.78	0.74	0.61	0.66	2.22	0.89	1.15	0.71	1.09	1.05	0.90	
5939	0.87	0.68	0.73	2.95	1.05	0.99	0.51	0.53	3.47	1.30	1.23	0.70		1.15	0.64	
5940	0.74	0.56	0.61	2.85	1.03	0.78	0.55	0.59	2.92	1.16	0.69	0.33		0.57	1.01	
3753	0.75	0.81	0.94	1.52	0.97	0.81	0.53	0.57	1.91	1.12	0.81	1.83	2.65	0.57	2.06	t
3758	0.69	0.56	0.61	1.54	0.97	0.92	0.44	0.46	2.63	1.67	0.47	2.56	1.08	1.40	1.75	
5941	0.79	1.15	1.28	2.15	0.84	0.81	0.99	1.08	2.42	0.86	2.63	2.37	4.62	1.87	0.49	t
3757	0.65	0.68	0.90	1.43	0.95	0.59	0.46	0.51	1.61	0.92	4.83	5.58	6.91	1.47	2.01	t
5942	0.98	0.76	0.82	3.24	1.22	1.04	0.70	0.74	3.44	1.34	2.59	2.22		2.51	0.68	
5943	0.80	0.66	0.77	3.06	1.07	0.92	0.76	0.89	3.42	1.33	1.39	1.59		0.94	1.28	t
3759	0.68	0.76	0.91	2.11	0.79	0.87	0.64	0.70	2.41	1.31	1.79	0.90	2.16	1.37	0.93	t
5944	0.85	0.69	0.77	3.37	1.09	0.92	0.58	0.62	3.84	1.30	1.65	1.08		0.65	1.63	t
5945	1.09	0.76	0.82	3.87	1.64	1.08	0.75	0.81	4.01	1.61	1.75	1.52	1.09	2.29	0.39	t
5946	0.80	0.48	0.51	3.30	1.19	0.83	0.53	0.57	3.02	1.29	2.64	2.05	2.40	1.64	1.03	
3763	0.64	0.37	0.39	2.28	0.78	0.86	0.38	0.39	2.91	1.37	0.44	0.85	0.56	0.63	0.90	t
5947	1.03	0.55	0.57	3.39	1.53	0.99	0.51	0.53	3.44	1.42	2.08	2.71	1.59	0.95	0.87	
3761	0.59	0.77	0.83	1.18	0.66	0.65	0.41	0.42	1.51	0.72	2.05	2.85	3.06	0.20	1.19	
3762	1.53	0.73	0.75	3.57	1.95	1.68	0.51	0.52	3.61	2.48	0.15	0.22	0.64	0.21	0.91	
3764	0.88	0.69	0.74	2.04	1.14	0.83	0.71	0.77	1.81	1.07	0.63	1.92	1.16	1.37	0.97	
5948	0.82	1.07	1.21	2.15	0.92	0.95	0.65	0.68	2.32	1.15	2.29	1.88		1.08	1.39	
3765	0.53	0.88	0.99	1.10	0.59	0.62	0.55	0.57	1.42	0.71	1.31	1.81	1.47	1.79	0.17	t
5949	0.66	0.81	0.91	2.09	0.73	0.71	0.49	0.51	2.32	0.82	1.52	1.54	1.16	0.92	0.74	
5950	0.67	0.92	1.11	1.85	0.77	0.70	0.64	0.70	2.12	0.80	2.11	0.86	1.06	1.75	0.59	t
3767	0.74	0.67	0.80	2.03	1.14	0.68	0.46	0.50	2.11	1.18	2.52	0.43	1.74	2.31	1.12	t
3766	1.33	0.49	0.50	3.93	2.10	1.32	0.51	0.52	4.21	2.02	1.94	1.56	0.82	0.99	1.34	
5951	0.99	0.68	0.73	2.71	1.34	1.01	0.61	0.64	2.73	1.42	2.15	0.91	0.61	1.61	0.88	
3768	0.55	0.54	0.56	0.96	0.64	0.60	0.64	0.67	1.22	0.69	1.85	1.17	0.60	2.17	0.54	t
5952	1.38	1.16	1.30	3.13	2.01	1.36	0.76	0.79	3.31	2.09	1.26	0.51		1.19	0.56	
3769	0.63	0.45	0.47	1.11	0.84	0.87	0.46	0.48	2.02	1.22	0.83	2.41	1.22	1.56	0.19	t
3770	0.63	0.46	0.48	1.28	0.77	0.89	0.41	0.42	2.22	1.21	2.33	1.32	0.65	1.83	0.28	t
5953	0.82	0.78	0.90	2.54	1.05	0.71	0.54	0.58	2.52	0.88	2.66	2.94	4.73	1.67	0.91	
5955	0.81	1.02	1.21	2.34	0.94	0.81	0.54	0.56	2.72	0.95	2.83	2.74	2.15	1.50	0.28	
5956	0.93	0.51	0.52	3.12	1.08	0.98	0.53	0.54	3.23	1.17	1.95	5.77	3.48	1.14	3.01	
5957	0.87	1.06	1.24	2.13	1.05	0.86	0.56	0.58	2.42	1.03	3.75	2.98		2.23	2.12	

1	2	3	4	5			6			7		8	
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000	
				h	m	s	°	'	''	[mas/yr]		[mas/yr]	
5958	109415	FX		22	10	3.587 431	- 83	21	29.631 13	+	25.10	-	9.26
3772	109458	BX	28 Peg	22	10	30.183 518	+ 20	58	40.741 31	-	2.01	-	9.55
3773	109471	RS		22	10	37.432 276	+ 11	37	28.342 01	-	47.11	-	54.41
3771	109472	BX	38 Aqr	22	10	37.483 154	- 11	33	53.778 88	+	31.27	+	8.39
5959	109550	FX		22	11	27.175 012	- 43	50	33.110 88	+	45.82	+	15.53
3776	109654	RS		22	12	47.824 438	+ 34	36	16.531 01	+	18.88	-	49.69
5961	109686	FX		22	13	7.796 903	- 86	28	45.354 56	+	4.45	+	6.88
5962	109713	FX		22	13	23.868 323	+ 53	9	14.765 13	-	0.88	+	17.42
3778	109831	BX		22	14	44.369 649	+ 42	57	14.076 47	+	48.91	-	22.06
5964	109923	FX		22	15	50.251 792	- 52	9	30.621 93	+	6.37	-	5.86
3780	109939	RS		22	15	59.828 656	+ 8	32	58.464 76	+	26.87	-	10.49
3782	110023	BX	44 Aqr	22	17	6.499 600	- 5	23	13.794 14	-	4.37	+	19.13
3781	110036	RS		22	17	14.770 638	- 54	19	16.760 04	+	58.05	-	21.48
5966	110058	FX		22	17	29.766 352	+ 5	8	39.067 73	+	6.54	-	5.55
5967	110063	FX		22	17	32.689 699	- 18	9	42.727 69	+	14.69	+	12.39
3783	110073	BX		22	17	47.292 103	+ 26	56	11.477 40	-	24.96	-	6.72
3779	110078	BX	ψ Oct	22	17	50.596 352	- 77	30	41.593 75	-	36.86	+	14.07
3784	110116	RS		22	18	20.429 466	+ 76	29	16.896 65	+	12.10	+	7.94
5968	110201	FX		22	19	21.424 797	- 46	41	8.705 93	+	26.18	-	1.78
5969	110207	FX		22	19	25.743 258	+ 60	8	52.015 63	-	0.25	+	0.62
5972	110306	FX		22	20	31.320 680	- 65	13	56.409 84	-	8.53	+	15.55
3785	110325	BX		22	20	44.514 143	- 34	30	59.658 36	-	60.83	-	30.79
5973	110376	FX		22	21	22.769 771	- 55	45	52.627 28	+	61.67	+	25.40
3787	110487	RS		22	22	50.281 361	+ 36	39	32.567 53	+	3.98	+	53.36
5974	110501	FX		22	23	5.384 083	+ 12	46	52.699 24	-	5.07	-	9.09
5975	110535	FX		22	23	32.606 243	- 29	41	39.380 41	-	5.22	-	20.03
5976	110552	FX		22	23	43.556 217	+ 0	33	26.861 66	+	21.92	-	11.10
3790	110573	BX		22	24	0.493 762	+ 15	16	53.308 50	+	17.67	-	12.48
3791	110602	BX	50 Aqr	22	24	27.060 515	- 13	31	45.728 65	+	50.89	+	14.20
3788	110668	BX		22	25	10.603 744	- 70	25	53.840 07	+	121.72	-	62.39
3792	110673	RS		22	25	16.756 934	- 51	23	54.386 60	-	22.33	-	75.09
5977	110733	FX		22	26	4.277 510	+ 25	55	39.504 16	-	13.14	-	7.55
3793	110746	BX		22	26	10.703 945	- 23	40	56.807 95	+	12.60	-	1.66
5978	110781	FX		22	26	35.215 100	- 62	32	22.617 13	+	2.72	-	25.18
5979	110792	FX		22	26	47.014 902	- 8	30	39.402 60	-	2.30	-	6.68
3795	110807	BX		22	26	59.177 927	+ 56	26	0.827 51	+	17.15	+	5.58
5980	110814	FX		22	27	5.017 775	+ 65	27	58.149 02	+	22.49	-	15.89
3797	110817	RS	26 Cep	22	27	5.310 827	+ 65	7	56.169 68	-	0.35	-	2.13
5981	110851	FX		22	27	30.232 043	+ 42	0	48.808 28	-	28.42	-	12.28
3796	110882	BX	35 Peg	22	27	51.522 373	+ 4	41	44.390 37	+	77.44	-	307.21
5982	110912	FX		22	28	13.265 785	- 39	5	21.089 35	+	32.47	-	11.88
5983	110958	FX		22	28	49.126 487	- 22	4	13.359 55	+	108.61	+	8.73
5984	111012	FX		22	29	24.053 007	+ 14	54	37.814 25	-	1.21	-	19.76
5985	111086	FX		22	30	17.350 784	- 14	35	8.645 23	+	34.49	-	34.60
5986	111138	FX		22	30	53.773 531	- 26	4	25.504 28	+	40.78	-	75.04
3801	111230	RS		22	32	9.068 852	- 69	6	28.346 84	+	124.42	-	26.72
3804	111278	RS	39 Peg	22	32	35.480 713	+ 20	13	48.068 91	+	165.78	+	30.59
3806	111296	RS		22	32	46.908 406	+ 15	51	47.753 28	+	20.59	+	17.63
3803	111310	BX	ν Tuc	22	33	0.063 227	- 61	58	55.640 14	+	40.75	-	20.27
5987	111311	FX		22	33	0.338 221	- 28	58	55.907 92	+	18.33	-	1.62

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5958	91.19	0.58	0.57	91.33	0.50	0.49	3.77	0.67	H		7.36		11	1	3
3772	90.92	0.63	0.46	91.30	0.45	0.40	4.92	0.70	H	+ 8.	6.45		11	1	3
3773	91.36	0.64	0.67	91.43	0.50	0.57	5.22	0.85	H	+ 17.	5.78	1	18		
3771	91.50	0.66	0.47	91.36	0.45	0.35	5.81	0.75	H	+ 1.5	5.43		39		
5959	91.09	0.76	0.87	90.89	0.55	0.53	8.34	0.92	H	- 13.3	6.62		11	1	3
3776	91.10	0.39	0.42	91.27	0.43	0.44	12.74	0.58	H	- 7.5	5.34		19	1	1
5961	91.30	0.66	0.66	91.25	0.54	0.52	4.64	0.72	H		8.23		11	1	3
5962	91.24	0.47	0.40	91.55	0.45	0.42	8.62	0.59	H		7.26		11	1	3
3778	91.20	0.37	0.32	91.38	0.41	0.40	11.67	0.60	H	- 30.9	5.72		29	2	
5964	91.22	0.62	0.68	91.27	0.57	0.57	3.16	0.73	P		8.24		11	1	3
3780	91.59	0.74	0.68	91.40	0.46	0.47	8.25	0.77	H	- 3.0	6.21		18		
3782	91.22	0.99	0.49	91.10	0.51	0.40	9.56	0.86	H	+ 7.4	5.75		11	1	3
3781	91.20	0.59	0.65	91.18	0.50	0.49	7.63	0.95	H		7.36		31		
5966	91.12	0.80	0.68	91.58	0.59	0.63	1.30	0.97	H		7.34	2	33		
5967	91.37	0.96	0.73	91.35	0.64	0.59	2.92	0.67	P		8.37		11	1	3
3783	91.15	0.61	0.53	91.31	0.53	0.53	1.97	0.45	P	- 8.3	6.63	1	11	1	3
3779	91.15	0.43	0.49	91.31	0.41	0.43	26.00	0.52	H	+ 17.0	5.49		31		
3784	91.16	0.47	0.46	91.20	0.43	0.45	3.46	0.52	H	- 18.	6.62		31		
5968	91.15	0.78	0.79	91.27	0.51	0.53	3.53	0.81	P		7.93		11	1	3
5969	90.94	0.46	0.47	91.27	0.48	0.48	1.31	0.30	P	- 17.	6.87	1	11	1	3
5972	91.19	0.65	0.70	91.33	0.74	0.70	8.02	1.06	H		8.66		11	1	3
3785	91.12	0.78	0.74	90.98	0.61	0.58	3.41	1.00	H		6.92		11	1	3
5973	91.15	0.64	0.74	91.31	0.60	0.54	14.01	0.98	H		7.77		11	1	3
3787	91.36	0.50	0.64	91.42	0.49	0.59	7.47	0.69	H	- 8.3	6.45		11	1	3
5974	91.38	0.86	0.88	91.34	0.64	0.71	1.91	1.04	H		8.39		11	1	3
5975	91.00	0.95	0.94	91.24	0.77	0.72	5.64	1.29	H		9.11		15	1	3
5976	91.18	0.95	0.67	91.54	0.57	0.55	4.28	1.03	H		8.38		11	1	3
3790	91.39	0.66	0.54	91.63	0.55	0.56	5.22	0.84	H	+ 5.	6.79		38		
3791	91.43	0.65	0.40	91.44	0.45	0.36	6.01	0.76	H	- 21.1	5.76		19	1	1
3788	91.12	0.44	0.47	91.14	0.42	0.40	19.75	0.60	H	+ 3.5	5.78		11	1	3
3792	91.10	0.52	0.62	91.05	0.54	0.60	4.48	0.94	H		7.59		11	1	3
5977	91.21	0.64	0.66	91.28	0.50	0.53	4.01	0.74	H	- 4.	7.05		11	1	3
3793	91.35	0.65	0.48	91.38	0.49	0.39	6.59	0.74	H	- 15.	6.29		19	1	1
5978	91.28	0.46	0.51	91.48	0.56	0.54	3.15	0.86	H		7.77		21	2	
5979	91.32	0.99	0.64	91.48	0.77	0.63	8.09	1.21	H		8.10		11	1	3
3795	91.41	0.46	0.42	91.32	0.44	0.42	4.02	0.57	H	- 7.0	6.59	1	29	2	
5980	91.25	0.64	0.63	91.40	0.64	0.66	3.94	0.76	H		7.98		31		
3797	91.21	0.46	0.43	91.40	0.46	0.47	1.10	0.15	P	- 12.7	5.52	1	39		
5981	91.02	0.43	0.44	91.34	0.55	0.56	11.19	0.88	H		8.10		11	1	3
3796	91.03	0.69	0.63	91.27	0.53	0.50	20.39	0.78	H	+ 53.8	4.78		15	1	3
5982	91.12	0.67	0.68	91.28	0.49	0.48	2.67	0.61	P		7.47		11	1	3
5983	91.28	0.81	0.90	91.44	0.59	0.54	13.18	0.89	H		7.36		11	1	3
5984	91.20	0.96	0.75	91.25	0.82	0.67	2.54	1.21	H		8.90		11	1	3
5985	91.34	0.74	0.53	91.14	0.60	0.54	5.15	0.90	H	- 27.6	6.36		11	1	3
5986	91.43	0.76	0.65	91.17	0.61	0.50	8.17	0.88	H		6.43		31		
3801	91.36	0.48	0.50	91.34	0.50	0.48	10.11	0.70	H		7.04		31		
3804	91.45	0.70	0.71	91.34	0.54	0.60	18.90	0.83	H	- 18.9	6.43	1	11	1	3
3806	91.23	0.62	0.64	91.30	0.50	0.51	4.67	0.73	H	- 27.8	6.35		31		
3803	91.28	0.32	0.33	91.40	0.38	0.35	11.96	0.60	H	- 3.4	4.91	2	13		
5987	91.55	1.11	0.94	91.37	0.72	0.74	3.45	0.80	P		8.33		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5958	+ 0.12	- 0.15	- 0.30	+ 1.84	- 0.29	- 1.10	+ 0.35	+ 0.65	- 2.93	- 1.72
3772	+ 0.35	- 0.57	- 0.82	+ 1.57	+ 0.13	- 0.32	+ 0.22	+ 0.29	+ 1.90	- 1.06
3773	- 0.15	+ 0.16	+ 0.29	- 1.39	+ 0.02	- 0.05	+ 0.02	+ 0.03	+ 1.70	- 0.70
3771	+ 0.68	- 1.09	- 1.53	+ 2.83	+ 0.30	+ 0.39	- 0.29	- 0.37	+ 0.68	+ 0.45
5959	+ 0.20	- 0.42	- 0.86	+ 4.42	- 0.65	+ 1.41	- 0.37	- 0.63	+ 3.61	+ 1.94
3776	- 1.07	+ 0.37	+ 0.44	- 1.08	- 1.42	+ 0.17	+ 0.02	+ 0.03	- 1.11	+ 0.64
5961	+ 0.64	- 0.27	- 0.57	- 2.17	+ 2.30	+ 0.15	- 0.05	- 0.08	- 0.03	+ 0.33
5962	- 0.26	+ 0.09	+ 0.11	- 0.14	- 0.35	+ 0.41	- 0.08	- 0.11	+ 6.89	- 0.09
3778	- 2.44	+ 1.46	+ 1.58	- 1.83	- 3.18	- 1.80	+ 0.07	+ 0.10	- 3.15	- 1.74
5964	+ 0.49	- 0.07	- 0.27	- 1.59	+ 3.14	- 0.28	+ 0.02	+ 0.05	- 3.73	- 0.05
3780	+ 0.44	- 0.49	- 0.79	+ 3.54	- 0.69	- 0.24	+ 0.11	+ 0.17	+ 0.68	- 0.97
3782	- 0.06	+ 0.12	+ 0.17	- 0.04	- 0.08	- 0.39	+ 0.33	+ 0.38	- 0.11	- 0.54
3781	- 1.41	+ 0.37	+ 0.68	- 1.53	- 3.14	+ 0.20	+ 0.03	+ 0.08	- 3.39	+ 1.61
5966	+ 0.21	- 0.30	- 1.40	- 2.66	+ 1.28	+ 0.44	- 0.24	- 1.07	- 0.13	+ 2.25
5967	+ 0.29	- 0.64	- 1.94	- 0.16	+ 1.14	+ 0.25	- 0.22	- 0.51	+ 3.75	- 0.02
3783	+ 0.31	- 0.21	- 0.48	- 0.30	+ 1.17	- 0.64	+ 0.35	+ 0.86	- 1.62	- 1.63
3779	+ 1.37	- 0.34	- 0.42	+ 3.67	+ 0.86	- 0.79	+ 0.17	+ 0.21	- 1.78	- 0.69
3784	- 0.63	+ 0.21	+ 0.38	- 3.33	- 0.15	- 0.31	+ 0.03	+ 0.09	- 4.30	+ 0.25
5968	- 0.16	+ 0.01	+ 0.04	- 1.70	+ 0.04	+ 0.88	- 0.13	- 0.34	+ 5.89	+ 1.27
5969	- 0.03	+ 0.01	+ 0.03	+ 1.59	- 0.36	- 0.02	+ 0.00	+ 0.01	+ 3.42	- 0.65
5972	+ 0.66	- 0.10	- 0.20	- 1.70	+ 2.35	+ 1.02	- 0.17	- 0.37	+ 4.34	+ 1.52
3785	+ 0.16	- 0.11	- 0.30	+ 0.90	+ 0.32	+ 0.62	- 0.16	- 0.40	+ 0.55	+ 1.89
5973	+ 0.52	- 0.23	- 0.36	- 0.11	+ 1.07	+ 0.83	- 0.18	- 0.26	- 2.26	+ 2.00
3787	- 1.03	+ 0.44	+ 0.73	- 2.12	- 1.71	- 0.09	+ 0.03	+ 0.05	+ 1.44	- 0.63
5974	- 0.05	+ 0.07	+ 0.36	+ 4.83	- 0.88	+ 0.37	- 0.13	- 0.57	+ 5.44	+ 1.00
5975	+ 0.68	- 0.24	- 0.73	+ 3.00	+ 1.67	- 0.20	- 0.09	- 0.29	- 3.62	+ 0.82
5976	+ 0.06	- 0.18	- 0.41	- 1.44	+ 0.43	+ 0.45	- 0.22	- 0.40	- 0.18	+ 1.04
3790	+ 1.13	- 0.95	- 1.48	+ 4.09	+ 0.97	- 0.25	- 0.08	- 0.16	- 1.33	+ 0.07
3791	+ 0.11	- 0.16	- 0.20	+ 0.14	+ 0.13	- 0.15	+ 0.03	+ 0.04	- 1.63	+ 0.09
3788	- 0.35	+ 0.05	+ 0.07	- 2.50	+ 0.31	- 0.36	+ 0.07	+ 0.08	+ 2.90	- 1.45
3792	+ 0.56	- 0.06	- 0.18	- 2.84	+ 3.00	- 0.35	+ 0.00	+ 0.02	+ 1.65	- 2.26
5977	- 0.51	+ 0.17	+ 0.41	- 1.24	- 1.29	+ 0.31	- 0.08	- 0.18	+ 0.92	+ 0.62
3793	+ 0.17	- 0.24	- 0.34	+ 2.08	- 0.41	+ 0.35	- 0.19	- 0.25	- 0.10	+ 0.57
5978	- 0.70	+ 0.12	+ 0.34	+ 8.21	- 4.41	+ 0.39	- 0.08	- 0.25	- 3.54	+ 2.38
5979	- 0.14	+ 0.61	+ 1.04	+ 2.37	- 0.69	+ 0.27	- 0.24	- 0.36	+ 1.98	+ 0.14
3795	+ 1.05	- 0.69	- 0.99	+ 1.96	+ 1.37	+ 0.44	- 0.08	- 0.14	- 6.12	+ 3.12
5980	+ 0.83	- 0.49	- 1.04	+ 4.16	+ 1.44	- 0.48	+ 0.26	+ 0.63	- 6.21	- 0.48
3797	+ 0.17	- 0.15	- 0.39	+ 1.29	+ 0.27	- 0.10	+ 0.06	+ 0.20	- 0.09	- 0.67
5981	+ 0.41	- 0.11	- 0.15	+ 0.34	+ 0.58	- 0.16	+ 0.12	+ 0.17	+ 3.70	- 0.74
3796	+ 0.12	- 0.11	- 0.15	+ 0.91	- 0.14	+ 0.35	- 0.12	- 0.14	- 0.35	+ 0.72
5982	+ 0.10	- 0.03	- 0.10	- 1.43	+ 0.78	- 0.07	+ 0.01	+ 0.03	- 1.15	+ 0.04
5983	- 0.25	+ 0.13	+ 0.23	+ 0.42	- 0.83	- 0.26	+ 0.05	+ 0.07	- 5.40	+ 1.05
5984	- 0.12	+ 0.07	+ 0.17	- 1.08	- 0.18	+ 0.55	- 0.48	- 1.27	- 2.51	+ 2.07
5985	+ 0.17	- 0.16	- 0.24	+ 1.37	+ 0.13	- 0.18	+ 0.08	+ 0.11	- 1.25	- 0.12
5986	+ 0.96	- 1.00	- 1.56	+ 4.24	+ 0.89	- 0.01	- 0.30	- 0.49	- 4.70	+ 0.79
3801	+ 1.22	- 0.12	- 0.21	+ 2.82	+ 2.01	- 1.37	+ 0.14	+ 0.23	- 8.09	- 0.51
3804	- 0.93	+ 0.65	+ 0.88	- 3.19	- 0.58	+ 0.03	- 0.05	- 0.07	- 0.70	+ 0.36
3806	+ 0.23	- 0.08	- 0.16	- 0.41	+ 0.77	+ 1.83	- 0.22	- 0.53	+ 9.13	+ 2.71
3803	- 0.76	+ 0.05	+ 0.07	+ 0.24	- 1.54	- 1.15	+ 0.10	+ 0.13	- 1.94	- 1.46
5987	+ 0.17	- 0.18	- 0.65	- 2.20	+ 1.33	+ 0.55	- 0.16	- 0.55	+ 5.69	+ 0.83

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
5958	0.78	0.65	0.72	1.80	1.08	0.82	0.53	0.56	1.93	1.19	2.07	1.80	0.63	1.14	0.53	
3772	0.56	0.67	0.75	1.16	0.67	0.60	0.49	0.52	1.41	0.71	2.03	1.82	0.57	2.16	0.65	t
3773	0.84	0.85	0.97	2.08	1.03	1.01	0.61	0.64	2.61	1.47	0.96	0.49	0.44	1.01	0.99	t
3771	0.58	0.69	0.76	1.22	0.69	0.55	0.42	0.44	1.42	0.63	3.11	2.04	3.05	1.81	1.07	t
5959	1.13	1.05	1.19	2.75	1.50	1.06	0.58	0.61	2.72	1.43	2.29	1.65	2.33	1.71	2.20	
3776	0.84	0.48	0.49	1.75	0.97	1.02	0.47	0.48	2.31	1.26	0.96	1.78	0.70	0.69	1.15	t
5961	0.97	0.73	0.79	2.66	1.37	0.86	0.57	0.60	2.44	1.15	0.58	1.84	1.41	1.50	0.84	
5962	0.78	0.45	0.46	3.01	0.87	0.92	0.45	0.46	3.43	1.09	2.03	0.47	1.59	1.94	0.88	
3778	0.53	0.41	0.42	0.93	0.60	0.69	0.50	0.51	1.62	0.77	3.95	7.12	3.30	1.45	2.69	t
5964	1.10	0.69	0.73	3.71	2.14	1.05	0.58	0.60	3.52	2.09	1.11	1.51	0.66	1.42	0.19	
3780	0.86	0.91	1.02	1.66	1.10	0.91	0.52	0.54	1.71	1.27	2.25	0.83	1.22	2.26	0.99	t
3782	0.53	1.35	1.85	1.10	0.58	0.58	0.57	0.63	1.42	0.64	0.35	1.14	1.51	0.28	0.15	
3781	1.14	0.69	0.73	2.56	1.71	1.06	0.51	0.53	2.52	1.48	1.57	2.31	2.65	1.79	0.52	
5966	0.74	0.77	1.01	3.47	0.96	0.78	0.66	0.76	3.91	1.19	0.42	2.95	1.73	1.24	1.32	t
5967	0.79	0.95	1.29	2.05	0.99	0.76	0.68	0.78	2.32	0.99	1.92	1.88		1.60	0.90	
3783	0.67	0.60	0.69	1.50	0.97	0.70	0.59	0.66	1.61	1.08	1.43	2.42	1.41	0.82	2.03	
3779	1.07	0.54	0.55	2.13	1.32	1.10	0.45	0.46	2.34	1.33	2.03	1.09	2.86	1.19	0.52	
3784	0.74	0.50	0.53	1.64	1.06	0.99	0.46	0.47	3.13	1.79	2.56	0.46	3.12	2.06	1.56	
5968	1.11	0.82	0.90	3.02	1.93	0.99	0.54	0.57	3.02	1.67	0.91	2.10		1.42	0.34	
5969	0.64	0.50	0.56	2.39	0.94	0.71	0.49	0.53	3.04	1.24	1.28	0.62	1.49	1.45	1.04	
5972	1.30	0.73	0.76	3.64	2.00	1.30	0.73	0.76	3.64	2.00	1.50	1.33		1.19	0.69	
3785	0.96	0.81	0.92	2.62	1.42	0.94	0.61	0.65	2.71	1.50	0.55	1.44	1.54	0.47	1.31	
5973	1.26	0.82	0.86	3.42	1.61	1.21	0.58	0.59	3.33	1.54	0.60	1.56	1.43	1.20	1.80	
3787	1.03	0.72	0.76	3.02	1.29	1.19	0.62	0.64	3.41	1.72	1.00	1.68	0.94	0.56	0.55	
5974	0.98	0.96	1.23	3.97	1.34	0.92	0.73	0.82	3.81	1.50	1.12	1.88		1.74	0.79	
5975	1.30	1.00	1.13	3.55	2.11	1.26	0.76	0.83	3.61	2.17	1.07	1.37		1.10	0.38	t
5976	0.74	0.97	1.23	2.15	0.87	0.83	0.62	0.67	2.42	1.08	1.25	0.43		0.93	0.79	
3790	0.74	0.68	0.75	1.61	0.92	0.79	0.67	0.73	1.72	1.04	3.22	2.07	0.66	1.82	1.01	t
3791	0.50	0.62	0.67	1.20	0.55	0.56	0.46	0.48	1.52	0.63	1.09	0.38	0.70	1.04	0.38	t
3788	1.10	0.50	0.51	2.34	1.37	0.99	0.43	0.44	2.23	1.17	1.64	1.24	0.92	2.01	0.68	t
3792	1.18	0.63	0.66	4.13	2.12	1.24	0.61	0.63	4.41	2.56	0.74	1.69	1.16	1.47	1.03	
5977	1.01	0.70	0.75	3.00	1.53	0.94	0.55	0.58	2.92	1.38	0.65	1.12	0.90	0.09	1.51	
3793	0.61	0.69	0.75	1.28	0.73	0.67	0.46	0.48	1.71	0.78	1.63	0.90	1.24	1.73	0.21	t
5978	0.94	0.53	0.55	3.17	1.56	0.98	0.55	0.58	3.43	1.69	2.62	3.20	0.17	3.89	1.28	
5979	0.70	1.12	1.37	1.98	0.77	0.84	0.81	0.88	2.42	0.99	1.17	1.06		1.60	0.73	
3795	0.62	0.51	0.54	1.28	0.78	0.82	0.44	0.46	2.02	1.17	3.57	3.61	1.11	3.98	0.65	t
5980	0.88	0.71	0.79	3.07	1.15	0.96	0.72	0.79	3.54	1.32	1.89	2.49		1.73	1.08	
3797	0.53	0.49	0.57	1.55	0.71	0.68	0.49	0.53	2.42	1.27	1.02	0.94	2.54	0.64	1.34	t
5981	0.97	0.49	0.50	3.16	1.14	0.96	0.64	0.67	3.22	1.12	0.87	1.09		1.30	1.24	
3796	0.84	0.94	1.01	1.67	0.92	1.00	0.56	0.57	2.11	1.19	0.55	0.65	1.22	0.71	0.63	t 3023
5982	0.94	0.71	0.78	2.95	1.51	0.85	0.49	0.52	2.82	1.35	0.60	0.52	0.98	0.77	1.22	
5983	1.31	1.02	1.10	2.82	1.84	1.11	0.58	0.60	2.71	1.42	1.97	0.80	1.23	2.14	0.63	
5984	0.85	0.88	1.10	2.78	1.11	0.81	0.77	0.92	2.82	1.06	2.41	0.59		1.55	0.87	
5985	0.65	0.77	0.90	2.24	0.72	0.69	0.73	0.85	2.22	0.79	0.91	0.45	1.97	0.71	0.77	t
5986	0.85	0.85	0.94	2.22	1.01	0.77	0.61	0.65	2.32	0.89	3.04	1.98	0.82	2.60	1.06	t
3801	1.31	0.51	0.52	3.29	1.96	1.25	0.49	0.50	3.22	1.78	2.71	1.17	2.51	2.07	0.22	
3804	1.08	0.89	0.94	2.27	1.26	1.12	0.67	0.69	2.31	1.40	1.68	0.97	2.06	1.08	0.23	t
3806	0.99	0.69	0.74	2.61	1.43	1.08	0.52	0.54	3.01	1.82	3.16	1.81	2.36	1.87	1.03	
3803	1.04	0.34	0.34	2.22	1.37	1.08	0.37	0.37	2.52	1.39	0.82	1.60	2.05	0.70	1.12	t
5987	1.11	1.04	1.25	3.44	1.60	1.08	0.76	0.83	3.51	1.82	1.17	1.79		1.54	0.68	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
5988	111317	FX		22 33 5.770 249	+ 55 5 53.734 54	+ 8.28	- 4.79
5989	111343	FX		22 33 25.768 164	- 50 59 13.896 34	+ 17.23	- 1.12
3808	111379	RS		22 33 53.148 392	+ 61 46 41.264 27	+ 21.37	+ 14.47
5990	111411	FX		22 34 18.665 626	- 54 17 52.516 88	+ 23.58	- 20.49
5991	111463	FX		22 34 58.035 833	+ 22 6 15.473 31	+ 41.98	+ 1.11
5992	111495	FX		22 35 20.323 693	- 2 15 26.149 54	+ 4.14	- 16.35
3807	111504	RS		22 35 26.524 153	- 78 46 17.703 32	+ 53.97	- 7.19
3809	111512	BX		22 35 33.103 053	- 51 36 14.267 89	- 20.69	- 5.00
3810	111539	BX	61 Aqr	22 35 48.804 244	- 17 27 37.529 70	- 29.56	- 45.80
5993	111563	FX		22 36 6.436 675	- 16 23 16.756 94	+ 5.06	- 17.81
5994	111568	FX		22 36 7.938 143	+ 32 32 45.133 85	+ 26.57	+ 17.43
5995	111576	FX		22 36 16.666 694	+ 40 5 19.554 40	- 0.80	- 4.47
3811	111594	BX	σ^1 Gru	22 36 29.307 496	- 40 34 57.678 26	+ 45.89	- 72.03
3812	111627	BX		22 36 48.681 955	+ 35 39 8.707 17	- 5.41	- 1.81
5996	111632	FX		22 36 52.338 948	- 71 36 58.300 66	+ 10.20	- 3.21
3815	111807	RS		22 38 50.050 632	+ 4 31 48.712 34	+ 33.53	- 5.81
3814	111809	BX		22 38 51.466 477	- 33 4 52.847 58	+ 4.29	+ 14.99
5998	111825	FX		22 38 59.900 546	- 82 48 49.928 30	- 38.46	- 12.50
5999	111877	FX		22 39 40.901 669	+ 47 3 33.062 34	- 4.90	- 22.88
3816	111967	RS		22 40 48.918 108	- 57 25 20.359 17	+ 56.56	- 6.58
6000	112088	FX		22 42 10.279 572	+ 75 26 11.039 03	+ 4.31	- 6.13
3817	112098	RS		22 42 20.808 606	+ 53 54 31.491 89	- 3.22	- 8.48
6001	112138	FX		22 42 52.999 492	+ 4 58 7.651 09	+ 27.71	+ 12.15
6002	112162	FX		22 43 1.690 558	- 21 39 27.010 53	+ 15.70	+ 6.29
3819	112179	BX	67 Aqr	22 43 14.263 029	- 6 57 46.573 47	+ 26.42	- 10.13
6003	112263	FX		22 44 19.510 403	+ 51 26 58.557 26	+ 128.40	+ 75.04
3822	112324	BX		22 45 3.631 479	+ 58 8 49.378 31	- 61.97	- 137.27
6004	112365	FX		22 45 33.486 029	- 32 6 22.859 84	+ 13.13	- 2.71
6005	112378	FX		22 45 38.240 270	- 66 5 59.321 52	+ 25.92	- 21.96
6006	112395	FX		22 45 53.980 738	+ 11 12 1.256 74	+ 16.20	- 5.20
6007	112402	FX		22 46 1.898 205	+ 35 40 19.326 79	+ 145.99	+ 71.21
6008	112414	FX		22 46 8.033 728	- 48 58 43.761 16	+ 207.12	- 48.44
3820	112429	RS		22 46 23.258 413	- 75 25 19.783 56	- 12.83	+ 1.66
6009	112507	FX		22 47 22.330 966	- 6 43 49.132 38	+ 53.41	+ 5.02
3823	112533	RS		22 47 35.662 722	- 65 33 36.907 57	- 30.57	- 6.85
3824	112567	BX		22 47 56.201 942	- 25 54 43.297 95	+ 106.92	- 115.04
6010	112573	FX		22 48 2.415 908	+ 30 37 32.941 98	+ 8.83	- 0.34
3825	112615	BX	70 Aqr	22 48 30.210 239	- 10 33 19.721 66	+ 31.79	+ 7.61
6012	112671	FX		22 49 1.043 715	- 24 55 22.885 48	+ 28.18	- 61.95
6013	112708	FX		22 49 28.395 877	- 34 59 3.625 03	+ 12.90	- 2.51
6014	112726	FX		22 49 40.973 599	- 58 55 45.564 32	+ 20.99	+ 0.47
6015	112807	FX		22 50 42.445 575	- 0 34 40.052 61	+ 4.35	+ 6.41
6016	112849	FX		22 51 12.272 616	- 9 19 30.572 81	+ 0.24	- 19.48
6017	112870	FX		22 51 26.357 548	+ 13 58 11.938 67	+ 404.82	+ 202.15
6018	112882	FX		22 51 33.859 007	+ 85 2 46.952 11	+ 26.67	+ 4.49
3827	112883	RS		22 51 34.087 158	+ 32 48 56.078 10	+ 34.72	- 11.37
6019	112890	FX		22 51 41.379 276	+ 1 46 43.273 52	- 53.48	- 21.46
3826	112895	RS		22 51 44.951 489	- 59 52 52.888 77	- 42.36	- 4.42
6020	112958	FX		22 52 35.649 057	- 19 2 16.663 28	- 95.54	- 31.70
6022	112984	FX		22 52 50.915 907	- 62 48 56.898 77	+ 28.58	+ 13.37

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
5988	91.40	0.61	0.57	91.34	0.58	0.58	5.55	0.78	H		8.66		11	1	3
5989	91.52	1.03	0.95	91.42	0.76	0.77	3.14	0.72	P		8.88		11	1	3
3808	91.15	0.45	0.49	91.31	0.45	0.45	5.67	0.52	H		6.55		15	1	3
5990	91.21	0.50	0.56	91.52	0.46	0.47	8.40	0.81	H		7.40	2	11	1	3
5991	91.30	1.00	0.73	91.23	0.81	0.68	6.52	1.25	H		9.15		31		
5992	91.08	0.85	0.64	91.55	0.62	0.62	2.21	1.04	H		8.07		11	1	3
3807	91.26	0.44	0.54	91.33	0.44	0.44	2.99	0.54	H	- 12.8	6.15		31		
3809	91.29	0.51	0.57	91.51	0.48	0.49	4.20	0.90	H		6.77		31		
3810	91.42	0.69	0.48	91.64	0.43	0.41	7.01	0.87	H	- 8.1	6.39		31		
5993	91.16	0.77	0.62	91.60	0.48	0.46	.40	0.06	P	+ 5.9	6.84		19	1	1
5994	90.98	0.71	0.69	91.57	0.74	0.81	5.74	1.14	H	- 23.7	8.73		15	1	3
5995	90.93	0.80	0.74	91.47	0.70	0.66	1.60	0.22	P	- 17.	8.30		21	2	
3811	91.18	0.58	0.61	91.43	0.46	0.48	14.41	0.81	H	+ 6.9	6.28		28	2	
3812	91.19	0.53	0.52	91.43	0.53	0.56	4.66	0.78	H	+ 10.0	6.28		31		
5996	91.26	0.64	0.68	91.36	0.79	0.71	3.20	0.74	P		8.66		11	1	3
3815	91.43	0.86	0.80	91.57	0.58	0.68	11.41	1.00	H		6.82		31		
3814	91.24	0.56	0.50	91.55	0.43	0.44	7.50	0.76	H	+ 8.	5.66	1	17		
5998	91.22	0.60	0.64	91.06	0.61	0.65	6.88	0.73	H		8.15		11	1	3
5999	91.20	0.57	0.50	91.54	0.57	0.52	2.78	0.89	H		8.13	2	13		
3816	91.31	0.38	0.42	91.27	0.44	0.44	2.66	0.66	H	- 32.0	5.98		11	1	3
6000	91.23	0.62	0.59	91.26	0.56	0.59	.78	0.68	H		8.69	2	13		
3817	91.11	0.40	0.42	91.33	0.41	0.47	2.74	0.53	H	+ 8.6	6.14		11	1	3
6001	91.36	0.73	0.51	91.49	0.60	0.55	3.63	0.98	H		6.78		11	1	3
6002	91.48	0.76	0.66	91.46	0.51	0.48	5.58	0.91	H	+ 7.0	7.14		35		
3819	91.09	0.87	0.58	91.64	0.60	0.55	8.87	1.02	H	+ 2.	6.40		11	1	3
6003	91.26	0.52	0.48	91.47	0.52	0.53	12.36	0.75	H		7.50		15	1	3
3822	91.19	0.48	0.39	91.48	0.45	0.44	27.87	0.59	H		6.45		11	1	3
6004	91.51	1.06	0.93	91.19	0.83	0.73	2.67	0.62	P		8.71		11	1	3
6005	91.27	0.60	0.64	91.42	0.56	0.55	2.88	0.86	H		8.03		11	1	3
6006	91.56	0.75	0.72	91.59	0.55	0.63	4.18	0.97	H		7.20		11	1	3
6007	91.15	0.56	0.57	91.26	0.53	0.56	14.35	0.83	H	- 18.	7.56		15	1	3
6008	91.48	0.46	0.52	91.55	0.51	0.53	25.88	0.79	H	- 18.8	6.63		11	1	3
3820	91.24	0.53	0.57	91.22	0.49	0.51	6.27	0.65	H		7.31		11	1	3
6009	91.11	1.01	0.66	91.24	0.58	0.57	8.65	0.98	H		7.86		11	1	3
3823	91.30	0.46	0.53	91.43	0.45	0.47	5.15	0.66	H		6.49		15	1	3
3824	91.39	0.67	0.52	91.38	0.48	0.47	6.31	0.81	H	- 26.6	6.31		11	1	3
6010	91.05	0.59	0.61	91.11	0.50	0.61	3.55	0.92	H		7.87		11	1	3
3825	91.39	0.80	0.68	91.44	0.48	0.47	8.64	0.83	H	- 5.8	6.19	1	11	1	3
6012	91.25	0.86	0.95	91.42	0.60	0.67	7.09	1.01	H		8.15		13		
6013	91.11	0.66	0.74	91.09	0.63	0.73	4.10	0.57	P		7.87		31		
6014	91.27	0.49	0.50	91.35	0.52	0.52	3.25	0.75	P		7.41		31		
6015	91.35	0.91	0.64	91.55	0.57	0.62	8.99	1.18	H		7.47		11	1	3
6016	91.37	1.18	0.77	91.58	0.68	0.64	2.10	1.30	H		8.42		11	1	3
6017	91.30	0.87	0.76	91.60	0.54	0.74	47.56	1.18	H	- 1.7	8.29		15	1	3
6018	91.35	0.52	0.52	91.20	0.50	0.48	2.85	0.58	H	- 31.	7.32	2	13		
3827	91.35	0.61	0.69	91.27	0.48	0.60	7.57	0.93	H	- 10.6	7.16		11	1	3
6019	91.34	1.02	0.84	91.63	0.64	0.82	11.23	1.47	H		8.87		11	1	3
3826	91.26	0.38	0.47	91.35	0.45	0.49	9.13	0.70	H	+ 0.1	6.47		31		
6020	90.99	0.86	0.82	91.31	0.53	0.55	13.32	0.93	H		6.99		11	1	3
6022	91.31	0.47	0.51	91.27	0.51	0.51	3.80	0.76	H		7.56		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
5988	+ 0.47	- 0.30	- 0.48	+ 0.78	+ 0.76	+ 0.00	- 0.06	- 0.11	+ 6.35	- 0.59
5989	+ 0.50	- 0.19	- 0.88	+ 4.20	+ 1.89	+ 0.03	- 0.06	- 0.28	+ 0.08	+ 0.32
3808	- 0.42	+ 0.13	+ 0.24	+ 2.46	- 1.34	+ 0.88	- 0.13	- 0.25	- 0.92	+ 2.40
5990	+ 0.73	- 0.15	- 0.26	- 2.08	+ 2.23	+ 0.49	- 0.08	- 0.14	+ 2.55	+ 0.36
5991	+ 0.73	- 0.95	- 1.73	- 1.62	+ 1.83	- 0.29	+ 0.15	+ 0.15	+ 2.27	- 0.84
5992	+ 0.05	- 0.18	- 0.64	+ 1.99	- 0.16	+ 0.10	- 0.11	- 0.33	- 2.19	+ 0.84
3807	- 0.49	+ 0.05	+ 0.21	+ 0.47	- 2.81	+ 1.18	- 0.09	- 0.31	+ 1.82	+ 4.97
3809	+ 0.30	+ 0.02	+ 0.03	- 0.95	+ 1.27	- 0.66	+ 0.11	+ 0.22	+ 4.74	- 3.60
3810	+ 0.56	- 0.65	- 0.86	+ 3.17	+ 0.01	- 0.94	+ 0.40	+ 0.48	+ 1.79	- 1.79
5993	- 0.04	+ 0.06	+ 0.56	- 2.80	- 0.13	+ 0.00	+ 0.00	+ 0.04	+ 2.95	- 0.33
5994	- 0.01	+ 0.01	+ 0.03	+ 4.76	- 0.67	- 0.84	+ 0.59	+ 1.26	- 3.43	- 1.53
5995	- 0.35	+ 0.40	+ 1.74	+ 3.36	- 2.16	- 0.56	+ 0.31	+ 1.25	+ 1.20	- 2.69
3811	- 0.85	+ 0.22	+ 0.29	+ 0.50	- 1.87	+ 1.11	- 0.11	- 0.15	+ 4.89	+ 0.26
3812	- 0.16	+ 0.08	+ 0.13	- 0.62	- 0.10	+ 0.11	- 0.01	- 0.02	+ 1.80	- 0.67
5996	- 0.58	+ 0.13	+ 0.49	- 0.62	- 2.50	+ 0.63	- 0.13	- 0.54	+ 2.26	+ 2.59
3815	- 1.00	+ 1.05	+ 1.68	- 3.75	- 1.00	- 1.22	+ 0.31	+ 0.51	- 2.29	- 1.92
3814	- 0.32	- 0.02	- 0.04	+ 0.00	- 0.57	+ 1.03	- 0.31	- 0.42	+ 1.62	+ 1.30
5998	+ 0.56	- 0.12	- 0.26	+ 4.15	+ 0.33	- 1.29	+ 0.26	+ 0.55	- 2.54	- 2.84
5999	- 0.76	+ 0.29	+ 0.59	- 3.76	- 1.34	+ 0.06	+ 0.00	+ 0.01	+ 4.97	- 0.53
3816	- 0.20	+ 0.02	+ 0.06	+ 0.11	- 0.76	+ 0.07	- 0.01	- 0.03	+ 2.25	- 0.39
6000	- 0.04	+ 0.02	+ 0.11	+ 0.64	- 0.36	+ 0.05	- 0.01	- 0.09	+ 4.99	- 0.29
3817	- 0.68	+ 0.13	+ 0.27	+ 1.26	- 2.25	- 0.38	+ 0.04	+ 0.12	+ 1.41	- 2.28
6001	- 0.14	+ 0.41	+ 0.78	- 2.52	- 0.10	+ 0.26	- 0.36	- 0.64	- 4.33	+ 0.86
6002	- 0.71	+ 0.79	+ 1.39	- 2.20	- 1.13	- 0.62	+ 0.45	+ 0.68	+ 1.98	- 1.28
3819	+ 0.08	- 0.10	- 0.15	+ 0.82	- 0.18	- 0.03	+ 0.05	+ 0.05	+ 1.71	- 0.58
6003	- 1.06	+ 0.27	+ 0.36	- 3.82	- 1.12	+ 1.46	- 0.30	- 0.43	+ 2.58	+ 2.09
3822	+ 0.69	- 0.38	- 0.42	+ 1.11	+ 0.62	- 0.06	+ 0.07	+ 0.08	+ 3.57	- 1.21
6004	- 0.39	+ 0.28	+ 1.17	- 1.51	- 1.69	- 0.23	+ 0.09	+ 0.33	- 2.49	- 0.30
6005	- 0.02	+ 0.00	+ 0.00	+ 0.31	- 0.20	+ 0.40	- 0.05	- 0.17	+ 2.33	+ 1.35
6006	+ 0.15	- 0.14	- 0.32	+ 0.65	+ 0.29	+ 0.09	- 0.08	- 0.17	- 2.15	+ 0.49
6007	+ 0.23	- 0.13	- 0.18	+ 0.18	+ 0.37	+ 0.62	- 0.25	- 0.33	- 2.40	+ 1.35
6008	- 0.79	+ 0.12	+ 0.16	+ 0.23	- 1.45	+ 0.23	+ 0.00	+ 0.00	+ 2.50	- 0.35
3820	+ 0.71	- 0.04	- 0.14	+ 3.57	+ 2.19	- 0.09	+ 0.00	+ 0.00	+ 2.98	+ 0.56
6009	- 0.16	+ 1.17	+ 2.46	+ 0.32	- 0.46	+ 0.19	- 0.24	- 0.45	+ 0.41	+ 0.28
3823	+ 0.71	- 0.08	- 0.19	+ 2.69	+ 1.38	+ 0.24	- 0.01	- 0.03	- 1.28	+ 1.29
3824	- 0.11	+ 0.09	+ 0.10	+ 1.97	- 0.76	+ 0.63	- 0.25	- 0.35	+ 1.38	+ 0.75
6010	+ 0.02	- 0.02	- 0.04	- 1.76	+ 0.32	+ 0.09	- 0.04	- 0.09	- 2.59	+ 0.66
3825	+ 0.36	- 0.58	- 0.93	+ 1.04	+ 0.39	+ 0.29	- 0.01	+ 0.01	- 0.57	+ 0.75
6012	+ 1.31	- 0.74	- 1.76	+ 3.94	+ 2.84	- 0.23	+ 0.04	+ 0.09	- 1.11	- 0.25
6013	+ 0.29	- 0.14	- 0.54	+ 2.86	+ 0.50	+ 0.95	- 0.18	- 0.69	+ 10.29	+ 0.89
6014	- 1.41	+ 0.12	+ 0.42	- 5.42	- 4.67	- 0.27	- 0.01	- 0.06	+ 5.82	- 2.64
6015	+ 0.00	+ 0.08	+ 0.15	+ 0.54	- 0.12	- 0.36	+ 0.56	+ 0.82	- 1.65	- 0.33
6016	- 0.05	+ 0.09	+ 0.38	+ 2.22	- 0.77	- 0.11	+ 0.09	+ 0.22	- 1.36	- 0.11
6017	- 0.13	+ 0.08	+ 0.10	- 1.76	+ 0.09	+ 0.25	- 0.19	- 0.24	+ 1.79	+ 0.13
6018	- 0.17	+ 0.08	+ 0.17	+ 3.45	- 1.01	+ 0.55	- 0.11	- 0.28	- 1.21	+ 1.73
3827	+ 0.17	- 0.09	- 0.15	- 0.08	+ 0.40	- 0.11	+ 0.00	+ 0.01	- 0.07	- 0.28
6019	+ 0.25	- 0.69	- 1.33	+ 0.70	+ 0.41	+ 0.12	- 0.32	- 0.66	+ 4.03	- 0.68
3826	+ 0.70	+ 0.01	+ 0.01	- 1.20	+ 3.06	+ 1.87	- 0.11	- 0.24	- 2.33	+ 6.01
6020	- 0.66	+ 0.44	+ 0.70	+ 0.03	- 1.36	+ 1.42	- 0.37	- 0.51	+ 6.36	+ 1.02
6022	- 0.14	+ 0.03	+ 0.06	+ 1.98	- 0.88	- 0.38	+ 0.06	+ 0.14	+ 1.80	- 1.46

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TF	
5988	0.82	0.67	0.73	3.05	0.97	0.89	0.65	0.70	3.53	1.09	1.11	1.84		1.88	0.54	
5989	1.22	0.99	1.12	4.09	2.11	1.13	0.79	0.86	3.92	2.09	1.20	1.18	1.46	0.51	1.30	
3808	0.97	0.52	0.54	3.14	1.27	1.09	0.47	0.48	3.62	1.60	0.72	1.92	2.09	1.40	0.34	t
5990	1.14	0.59	0.61	3.02	1.60	1.18	0.49	0.50	3.13	1.72	1.04	1.47	1.70	1.40	0.67	
5991	0.87	0.97	1.13	2.55	1.03	0.84	0.89	1.02	2.62	1.00	2.53	0.76		1.68	1.99	
5992	0.68	0.87	1.25	1.86	0.83	0.76	0.70	0.84	2.22	1.04	0.90	1.45		1.63	0.87	
3807	1.04	0.54	0.56	3.88	2.14	1.00	0.45	0.46	4.02	1.96	0.53	2.95	1.24	1.02	0.66	
3809	1.03	0.59	0.63	2.72	1.69	0.92	0.51	0.54	2.32	1.40	1.94	2.68	1.19	3.15	1.35	
3810	0.60	0.73	0.80	1.32	0.68	0.66	0.51	0.53	1.71	0.75	2.68	2.72	1.18	2.85	1.54	
5993	0.64	0.65	0.94	2.49	0.86	0.53	0.47	0.55	2.72	0.89	1.65	0.63	1.64	1.53	0.50	t
5994	0.93	0.81	0.90	3.20	1.16	1.05	0.93	1.05	3.32	1.36	1.69	1.96		1.68	0.63	t
5995	0.82	0.82	1.05	3.25	1.11	0.82	0.70	0.81	3.72	1.23	3.63	0.47		1.89	0.39	
3811	1.12	0.68	0.71	2.41	1.45	1.14	0.52	0.53	2.51	1.48	1.96	1.38	4.00	1.80	1.44	t
3812	0.77	0.61	0.66	1.61	1.02	0.84	0.64	0.69	1.72	1.21	1.09	0.49	2.64	1.21	1.96	
5996	1.08	0.70	0.74	4.27	1.90	1.10	0.72	0.77	4.23	2.00	2.04	0.70		0.41	1.04	
3815	1.05	1.03	1.15	2.41	1.25	1.25	0.73	0.76	2.71	1.76	2.27	2.03	2.78	1.02	1.21	
3814	0.82	0.59	0.62	1.65	1.05	0.81	0.50	0.52	1.72	1.02	1.14	1.60	2.07	0.33	1.15	t
5998	1.22	0.67	0.70	3.39	1.89	1.20	0.68	0.71	3.18	1.87	1.59	1.72	0.34	0.99	1.33	
5999	0.75	0.54	0.58	3.00	1.00	0.79	0.56	0.61	3.03	1.09	1.71	2.15		1.87	0.72	t
3816	0.86	0.43	0.44	2.52	1.50	0.84	0.45	0.47	2.62	1.38	0.86	0.58	0.69	0.94	1.05	t
6000	0.69	0.61	0.71	3.15	1.12	0.70	0.60	0.69	3.45	1.18	0.38	1.45		1.48	1.18	t
3817	0.80	0.43	0.45	2.41	1.20	0.94	0.47	0.49	2.92	1.80	0.59	2.35	1.07	1.69	0.93	
6001	0.56	0.84	1.07	2.29	0.61	0.65	0.74	0.87	2.62	0.73	1.85	1.55	0.75	2.16	0.78	
6002	0.84	0.82	0.93	2.41	1.02	0.72	0.57	0.61	2.42	0.84	1.49	2.57	1.10	1.34	1.59	t
3819	0.69	0.94	1.08	1.38	0.82	0.69	0.82	0.92	1.51	0.81	1.03	0.53	0.45	1.47	0.57	t
6003	0.99	0.53	0.54	3.31	1.16	1.15	0.57	0.58	3.82	1.41	1.47	2.02	1.41	0.78	0.64	t
3822	0.69	0.48	0.49	1.31	0.74	0.97	0.49	0.50	2.13	1.10	1.94	1.57	0.69	2.02	0.15	
6004	1.07	1.00	1.21	2.71	1.70	0.98	0.77	0.85	2.92	1.61	1.41	1.29		0.66	0.58	
6005	1.06	0.65	0.68	3.83	2.15	1.02	0.56	0.58	3.54	2.10	0.70	0.70	1.11	0.26	0.14	
6006	0.89	0.85	0.99	2.83	1.14	0.85	0.73	0.82	3.01	1.07	0.62	0.72		0.83	0.68	
6007	1.08	0.64	0.66	3.09	1.30	1.01	0.64	0.66	3.02	1.18	1.28	0.68		1.16	0.50	t
6008	1.24	0.55	0.56	2.81	1.56	1.17	0.58	0.59	2.73	1.42	0.90	0.99	1.19	1.06	0.95	t
3820	1.40	0.58	0.59	4.81	2.89	1.30	0.52	0.53	4.32	2.33	1.03	0.82	1.24	0.76	0.51	
6009	0.70	1.32	1.78	2.14	0.75	0.84	0.70	0.76	2.52	0.97	1.56	0.82		0.35	0.98	
3823	1.14	0.54	0.56	3.19	1.92	1.15	0.48	0.49	3.32	2.01	0.96	1.01	0.50	0.75	0.92	t
3824	0.66	0.71	0.78	1.51	0.78	0.77	0.54	0.57	1.91	0.94	1.38	1.34	1.62	1.63	0.56	t
6010	0.86	0.67	0.73	3.01	1.17	0.87	0.67	0.73	2.91	1.18	0.59	1.00		1.22	1.05	
3825	0.81	0.99	1.14	1.65	0.98	0.86	0.54	0.56	1.82	1.11	1.02	1.12	1.16	0.71	0.64	t
6012	1.27	1.06	1.19	2.90	1.91	1.24	0.70	0.73	3.11	1.99	2.05	1.86		0.39	0.68	t
6013	1.19	0.76	0.82	3.48	2.24	1.21	0.75	0.80	3.72	2.37	0.75	3.02		2.21	1.41	
6014	1.03	0.51	0.53	3.46	2.02	1.00	0.53	0.55	3.43	1.81	2.37	2.82	0.67	2.19	0.67	
6015	0.72	1.12	1.35	1.86	0.80	0.76	0.90	1.00	2.12	0.85	0.88	1.07		0.66	0.66	
6016	0.80	1.01	1.66	1.97	0.99	0.74	0.75	0.96	2.32	0.97	0.71	0.91		1.45	1.18	
6017	1.07	1.01	1.07	3.09	1.17	1.06	0.96	1.01	3.31	1.15	0.82	0.24	1.03	0.73	0.54	t
6018	0.81	0.55	0.59	2.97	1.15	0.86	0.50	0.53	3.48	1.28	1.12	1.69	0.26	1.61	1.08	t
3827	1.05	0.78	0.84	2.91	1.32	1.26	0.63	0.65	3.31	1.96	0.03	0.38	0.94	0.16	0.97	
6019	0.95	1.30	1.60	2.16	1.13	1.02	1.11	1.29	2.52	1.23	0.91	1.76		1.68	1.07	
3826	1.54	0.47	0.48	4.98	2.90	1.44	0.50	0.51	4.81	2.32	0.50	2.84	0.65	1.73	2.04	
6020	1.16	0.97	1.05	2.87	1.46	1.09	0.60	0.62	2.91	1.35	2.32	1.54	1.89	1.72	0.95	
6022	1.00	0.52	0.54	3.54	1.62	0.99	0.53	0.55	3.53	1.54	0.71	1.12	0.56	1.12	1.09	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3830	112998	BX		22 53 3.785784	+ 60 6 3.70566	+ 13.70	+ 2.50
6023	113085	FX		22 54 7.123605	- 12 11 25.51737	+ 51.57	- 46.26
6024	113169	FX		22 54 59.797188	- 79 43 10.21615	+ 5.26	- 11.88
6025	113185	FX		22 55 11.188628	- 46 40 44.56812	+ 61.28	- 72.17
3831	113189	RS		22 55 14.904238	- 36 23 18.88409	+ 45.35	+ 0.68
6026	113193	FX		22 55 22.639867	- 38 2 20.57789	+ 16.19	- 4.04
6027	113196	FX		22 55 25.167153	- 42 53 4.02507	+ 46.09	- 20.55
6028	113240	FX		22 55 54.378095	- 41 5 48.31413	+ 76.01	+ 23.99
6029	113268	FX		22 56 10.761271	+ 56 27 1.60456	+ 10.35	+ 2.51
6030	113292	FX		22 56 30.121837	- 14 59 22.44282	- 19.10	- 8.13
3832	113307	RS	τ^3 Gru	22 56 47.799145	- 47 58 9.19498	- 26.40	+ 2.08
6031	113317	FX		22 56 56.206444	+ 26 23 16.32554	- 16.53	- 15.48
3833	113327	RS		22 57 4.502410	+ 48 41 2.64175	+ 9.72	- 5.77
3834	113360	BX		22 57 32.804179	+ 3 48 36.87082	+ 67.47	+ 31.86
6032	113365	FX		22 57 36.962361	+ 39 23 19.46070	+ 54.86	- 3.46
3835	113371	RS		22 57 40.738606	+ 39 18 31.59580	+ 0.52	- 5.19
3837	113387	RS		22 57 48.069650	+ 73 8 0.61351	- 25.14	- 28.85
6033	113432	FX		22 58 22.833799	- 73 46 36.88538	- 19.59	+ 21.61
6034	113438	FX		22 58 29.877569	+ 9 49 31.93092	+ 126.03	+ 4.73
6035	113449	FX		22 58 35.360732	+ 50 41 52.63882	- 0.93	- 20.89
3838	113501	BX		22 59 10.340603	+ 52 39 16.30798	- 26.63	+ 31.75
6036	113511	FX		22 59 17.204391	- 60 9 23.68883	+ 9.43	+ 5.58
3839	113561	RS		23 0 5.100960	+ 56 56 43.34705	- 2.74	- 2.93
6037	113594	FX		23 0 24.743535	+ 35 46 18.90159	- 38.89	- 30.59
6038	113629	FX		23 0 47.473356	- 49 27 5.72647	+ 101.82	- 13.02
6039	113651	FX		23 1 2.169327	+ 22 23 28.44633	+ 157.94	+ 25.16
3842	113673	RS		23 1 23.044439	- 22 47 27.20924	+ 28.05	- 25.18
6040	113688	FX		23 1 33.167768	+ 19 16 10.64468	+ 165.41	- 60.26
6041	113793	FX		23 2 39.062112	+ 63 20 27.04953	+ 13.91	+ 0.91
3844	113864	RS		23 3 32.882867	+ 67 12 33.15767	+ 22.97	+ 10.53
3845	113957	BX	κ Gru	23 4 39.627102	- 53 57 53.65446	+ 56.71	- 105.69
6042	113967	FX		23 4 50.190234	- 27 8 9.81563	- 18.91	- 4.75
3843	113969	BX		23 4 52.220177	- 68 49 12.81374	+ 44.43	+ 63.23
6043	114005	FX		23 5 17.632363	+ 1 18 25.66228	+ 33.72	- 20.82
3849	114152	BX		23 7 5.032514	+ 35 38 11.37079	+ 56.69	+ 10.98
3848	114155	BX	56 Peg	23 7 6.739414	+ 25 28 5.73587	+ 0.35	- 32.74
3851	114201	RS		23 7 40.178776	+ 30 3 15.25566	- 15.47	- 18.37
6044	114218	FX		23 7 50.698628	- 5 41 51.52168	+ 17.79	- 3.45
3853	114227	RS		23 7 57.207072	+ 64 13 21.11643	+ 8.91	- 4.61
3847	114258	BX		23 8 23.839748	- 79 28 50.47918	+ 92.67	- 36.52
3855	114366	BX		23 9 44.630269	- 28 5 18.85538	+ 18.55	+ 2.12
3856	114371	RS		23 9 49.549842	- 14 30 37.99435	+ 29.92	- 7.25
6045	114404	FX		23 10 8.873291	+ 33 46 4.14288	+ 24.55	- 35.05
6046	114437	FX		23 10 34.117093	+ 31 10 28.44698	- 0.76	+ 6.97
6047	114489	FX		23 11 14.074683	+ 5 0 15.56675	+ 4.25	- 1.59
6048	114506	FX		23 11 28.792159	- 10 30 34.32647	- 25.78	- 42.16
6049	114512	FX		23 11 38.730013	+ 47 5 55.31212	- 249.69	- 164.33
6050	114517	FX		23 11 41.502685	- 1 8 4.45536	+ 5.67	- 3.51
6051	114613	FX		23 13 6.576424	- 55 6 22.93563	+ 40.42	- 35.36
6052	114670	FX		23 13 48.232626	+ 15 22 3.48118	+ 23.32	- 71.79

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3830	91.11	0.46	0.43	91.38	0.48	0.50	2.51	0.57	H	- 7.9	6.01		38		
6023	91.44	0.75	0.63	91.35	0.51	0.53	4.10	0.84	H	+ 4.8	6.86		11	1	3
6024	91.09	0.55	0.60	91.32	0.55	0.54	3.55	0.67	H		8.16		31		
6025	91.18	0.77	0.77	91.64	0.61	0.64	7.75	0.98	H		7.53		21	2	
3831	90.95	0.59	0.65	91.25	0.48	0.50	4.51	0.76	H	- 25.7	6.40		11	1	3
6026	91.21	0.91	0.94	91.19	0.80	0.84	2.33	0.54	P		8.89		31		
6027	90.87	0.90	0.88	91.30	0.71	0.69	8.41	1.13	H		8.47		15	1	3
6028	90.97	0.59	0.66	91.19	0.49	0.52	8.07	0.79	H		6.72		11	1	3
6029	91.19	0.48	0.46	91.23	0.48	0.46	1.77	0.61	H		7.26		31		
6030	91.49	1.15	0.78	91.53	0.61	0.65	1.16	1.34	H		8.01		21	2	
3832	91.34	0.62	0.63	91.54	0.47	0.53	11.98	0.77	H	+ 6.3	5.72		11	1	3
6031	91.33	0.57	0.54	91.48	0.54	0.61	.90	1.06	H		8.61		11	1	3
3833	91.37	0.36	0.33	91.29	0.44	0.41	2.97	0.61	H	- 14.9	5.34	2	19	1	1
3834	91.38	0.73	0.51	91.14	0.57	0.54	7.08	0.86	H	+ 10.7	6.28		11	1	3
6032	91.23	0.69	0.61	91.46	0.47	0.47	6.13	0.89	H		7.43		11	1	3
3835	91.08	0.51	0.47	91.41	0.36	0.39	2.60	0.36	P	- 15.5	6.17		11	1	3
3837	91.21	0.44	0.44	91.16	0.43	0.47	6.19	0.51	H		6.54		11	1	3
6033	91.34	0.66	0.66	91.29	0.59	0.58	3.84	0.79	H		8.03		11	1	3
6034	91.53	0.80	0.75	91.40	0.62	0.69	22.87	1.03	H		7.67		21	2	
6035	91.14	0.51	0.47	91.34	0.62	0.56	3.88	0.80	H		7.43		15	1	3
3838	91.38	0.42	0.33	91.34	0.46	0.39	4.85	0.65	H	+ 27.5	6.31		11	1	3
6036	91.33	0.43	0.48	91.45	0.46	0.46	4.28	0.70	H		7.38		31		
3839	91.23	0.43	0.43	91.25	0.44	0.41	.36	0.08	P	- 59.3	5.10	2	18		
6037	91.11	0.68	0.62	91.46	0.57	0.57	6.40	0.95	H	+ 44.	8.00		11	1	3
6038	91.34	0.49	0.53	91.24	0.59	0.55	10.65	0.84	H		7.33		21	2	
6039	91.15	0.71	0.64	91.34	0.65	0.60	8.20	0.94	H	- 27.	7.66		11	1	3
3842	91.10	0.67	0.73	91.19	0.48	0.51	9.97	0.74	H	- 11.8	6.27		11	1	3
6040	91.25	0.98	0.69	91.29	0.76	0.70	13.83	1.12	H	- 2.	8.68		11	1	3
6041	91.32	0.48	0.46	91.51	0.52	0.49	4.45	0.60	H	- 10.	6.85		11	1	3
3844	91.02	0.42	0.45	91.18	0.44	0.49	8.48	0.52	H	- 8.4	5.25		31		
3845	91.18	0.38	0.40	91.37	0.42	0.39	8.36	0.68	H	+ 17.7	5.37		39		
6042	91.36	0.74	0.62	91.31	0.58	0.55	9.72	0.86	H		6.97		11	1	3
3843	91.29	0.45	0.46	91.35	0.41	0.39	18.08	0.56	H	+ 6.	5.53		18		
6043	91.17	0.74	0.60	91.36	0.57	0.56	7.98	0.88	H	- 12.4	6.39		31		
3849	91.07	0.56	0.44	91.47	0.45	0.43	5.11	0.79	H	- 26.9	6.38		11	1	3
3848	91.15	0.44	0.40	91.56	0.45	0.41	6.07	0.67	H	- 26.9	4.76	1	38		
3851	91.13	0.63	0.46	91.33	0.58	0.49	3.79	0.94	H	+ 3.4	7.58	1	11	1	3
6044	91.10	1.27	0.71	91.25	0.77	0.74	2.06	1.58	H		8.52		11	1	3
3853	91.10	0.42	0.46	91.43	0.47	0.53	3.06	0.54	H	- 28.0	6.21		31		
3847	91.13	0.41	0.45	91.34	0.41	0.41	13.44	0.49	H	- 7.	6.11		11	1	3
3855	91.40	0.63	0.52	91.19	0.48	0.46	4.76	0.70	H	- 13.8	5.88		19	1	1
3856	91.35	0.79	0.67	90.98	0.73	0.75	9.45	1.00	H	+ 14.1	6.43		19	1	1
6045	91.09	0.57	0.53	91.55	0.48	0.50	5.26	0.83	H		6.69	2	13		
6046	91.13	0.82	0.65	91.49	0.85	0.64	1.79	1.29	H		9.01		11	1	3
6047	91.14	0.85	0.71	91.37	0.59	0.59	4.94	1.01	H	- 6.2	6.66	2	13		
6048	91.08	1.34	0.69	91.37	0.87	0.64	6.86	1.31	H		9.14		13		
6049	91.11	0.41	0.43	91.25	0.45	0.45	20.90	0.72	H		7.21		11	1	3
6050	91.25	1.29	0.73	90.98	0.97	0.81	.57	1.46	H		9.50		11	1	3
6051	91.10	0.55	0.66	91.40	0.52	0.52	4.74	0.90	H		7.80		31		
6052	90.96	0.70	0.58	90.99	0.61	0.59	21.68	0.84	H	+ 12.	7.37		31		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3830	+ 0.66	- 0.58	- 0.95	+ 3.52	+ 0.32	+ 0.76	- 0.10	- 0.26	- 0.08	+ 2.25
6023	+ 0.33	- 0.36	- 0.69	+ 1.63	+ 0.46	- 0.04	- 0.01	- 0.04	+ 2.59	- 0.44
6024	- 1.07	+ 0.17	+ 0.54	+ 3.34	- 4.94	+ 1.33	- 0.16	- 0.50	+ 7.43	+ 3.04
6025	+ 1.77	- 1.39	- 2.61	+ 1.95	+ 3.89	+ 2.69	- 1.16	- 2.05	+ 8.46	+ 3.67
3831	+ 0.87	- 0.11	- 0.35	- 0.65	+ 4.49	+ 0.18	- 0.01	- 0.06	+ 4.20	- 0.76
6026	- 0.12	- 0.01	- 0.04	- 0.22	- 0.86	+ 0.46	- 0.09	- 0.55	- 3.63	+ 4.34
6027	+ 0.47	- 0.12	- 0.19	+ 0.21	+ 0.99	- 1.32	+ 0.64	+ 1.03	- 1.48	- 2.37
6028	+ 1.07	- 0.46	- 0.77	+ 2.47	+ 1.62	+ 0.90	- 0.29	- 0.45	+ 1.85	+ 1.26
6029	+ 0.27	- 0.21	- 0.46	+ 0.24	+ 0.61	+ 0.54	- 0.26	- 0.58	- 6.03	+ 1.87
6030	+ 0.09	- 0.17	- 1.03	+ 2.60	+ 0.02	+ 0.44	- 0.42	- 1.80	- 3.79	+ 3.29
3832	- 0.72	+ 0.05	+ 0.10	- 3.35	- 0.83	+ 1.57	- 0.15	- 0.26	+ 0.75	+ 3.29
6031	+ 0.03	- 0.06	- 0.37	+ 1.49	+ 0.14	+ 0.19	- 0.10	- 0.62	- 2.41	+ 1.57
3833	+ 0.09	- 0.06	- 0.13	+ 0.12	+ 0.16	- 1.03	+ 0.15	+ 0.34	- 4.48	- 1.84
3834	- 0.03	+ 0.08	+ 0.13	- 0.19	- 0.01	+ 0.06	- 0.12	- 0.17	- 2.14	+ 0.68
6032	- 0.68	+ 0.54	+ 0.86	+ 0.51	- 1.32	+ 0.36	- 0.03	- 0.02	+ 1.44	+ 0.40
3835	+ 0.08	- 0.03	- 0.06	- 0.46	+ 0.43	- 0.23	+ 0.02	+ 0.06	- 3.03	+ 0.57
3837	- 1.01	+ 0.39	+ 0.54	- 1.38	- 1.45	+ 0.38	- 0.03	- 0.07	+ 5.37	- 0.78
6033	- 0.09	+ 0.02	+ 0.05	- 4.20	+ 0.86	- 0.43	+ 0.05	+ 0.17	- 0.56	- 1.56
6034	- 2.63	+ 2.81	+ 3.78	- 9.17	- 2.80	- 1.33	+ 0.84	+ 1.16	+ 0.01	- 2.31
6035	- 0.21	+ 0.08	+ 0.13	- 0.72	- 0.30	- 0.64	+ 0.31	+ 0.58	+ 3.83	- 1.80
3838	- 0.56	+ 0.42	+ 0.51	- 0.13	- 0.93	+ 0.15	- 0.09	- 0.13	+ 0.15	+ 0.24
6036	- 0.17	+ 0.04	+ 0.08	+ 6.71	- 1.75	+ 0.09	- 0.02	- 0.05	+ 3.71	- 0.41
3839	+ 0.07	- 0.03	- 0.20	+ 1.28	+ 0.01	+ 0.10	- 0.02	- 0.16	- 0.60	+ 1.32
6037	- 0.55	+ 0.39	+ 0.65	- 3.58	- 0.58	- 0.58	+ 0.24	+ 0.41	- 3.02	- 0.68
6038	- 4.56	+ 1.38	+ 1.91	- 4.71	- 6.82	- 1.26	+ 0.53	+ 0.73	- 3.21	- 1.42
6039	+ 0.43	- 0.16	- 0.26	- 0.05	+ 0.84	- 0.41	+ 0.15	+ 0.23	- 3.42	- 0.21
3842	- 0.82	+ 0.19	+ 0.36	- 4.44	- 0.91	- 0.10	+ 0.03	+ 0.05	- 1.36	+ 0.13
6040	- 0.36	+ 0.49	+ 0.71	+ 0.78	- 0.75	- 0.16	+ 0.43	+ 0.64	+ 4.56	- 0.98
6041	- 0.07	+ 0.09	+ 0.16	- 3.04	+ 0.11	+ 0.86	- 0.40	- 0.64	- 1.35	+ 1.62
3844	- 0.17	+ 0.14	+ 0.16	+ 2.48	- 1.08	+ 0.78	- 0.20	- 0.29	- 2.79	+ 2.43
3845	- 1.25	+ 0.16	+ 0.26	- 2.14	- 2.02	+ 2.71	- 0.30	- 0.47	+ 7.09	+ 3.21
6042	+ 0.28	+ 0.04	+ 0.08	+ 0.11	+ 0.39	- 0.74	+ 0.52	+ 0.69	+ 0.09	- 1.14
3843	- 0.90	+ 0.29	+ 0.35	- 1.12	- 1.10	- 0.40	+ 0.14	+ 0.16	+ 2.13	- 1.31
6043	- 0.18	+ 0.40	+ 0.62	- 2.10	+ 0.01	+ 0.45	- 0.28	- 0.41	+ 6.68	- 0.31
3849	+ 0.17	- 0.31	- 0.44	+ 0.03	+ 0.36	+ 0.14	- 0.19	- 0.27	- 0.45	+ 0.56
3848	- 0.09	- 0.05	- 0.09	+ 2.53	- 1.23	+ 1.17	- 0.42	- 0.57	+ 2.32	+ 1.30
3851	- 0.09	+ 0.17	+ 0.28	+ 0.61	- 0.44	- 0.17	+ 0.17	+ 0.29	- 0.67	- 0.16
6044	+ 0.01	- 0.11	- 0.83	+ 2.53	- 0.41	- 0.11	+ 0.21	+ 0.79	+ 1.53	- 0.94
3853	- 0.01	+ 0.00	- 0.01	+ 0.96	- 0.22	- 0.17	+ 0.02	+ 0.07	+ 6.19	- 2.27
3847	+ 0.20	- 0.04	- 0.05	+ 0.40	+ 0.21	- 0.05	+ 0.00	+ 0.00	- 0.90	+ 0.25
3855	- 0.27	+ 0.25	+ 0.38	+ 0.94	- 0.89	+ 0.72	- 0.25	- 0.38	+ 2.34	+ 0.78
3856	+ 0.18	+ 0.08	+ 0.23	- 1.15	+ 0.64	- 1.47	+ 0.52	+ 0.95	- 1.65	- 3.02
6045	- 0.06	+ 0.08	+ 0.14	+ 0.24	- 0.15	- 0.48	+ 0.20	+ 0.31	- 1.70	- 0.66
6046	- 0.20	+ 0.10	+ 0.24	- 1.92	- 0.40	+ 0.51	- 0.35	- 1.10	+ 0.13	+ 1.87
6047	+ 0.18	- 0.27	- 0.54	+ 1.60	+ 0.17	+ 0.87	- 0.46	- 0.78	+ 3.93	+ 1.11
6048	- 0.15	+ 0.62	+ 1.72	- 2.34	+ 0.09	- 0.58	+ 0.37	+ 0.37	+ 0.97	- 1.41
6049	- 0.62	+ 0.15	+ 0.18	- 6.32	+ 0.06	+ 0.67	- 0.17	- 0.20	- 0.11	+ 0.95
6050	+ 0.00	+ 0.00	+ 0.15	+ 0.78	- 0.13	- 0.02	+ 0.07	+ 0.84	- 1.08	- 0.19
6051	- 1.89	+ 0.35	+ 0.91	- 8.12	- 3.95	- 0.96	+ 0.06	+ 0.14	- 3.60	- 2.23
6052	+ 1.83	- 1.06	- 1.32	+ 4.06	+ 1.99	+ 0.48	- 0.66	- 0.84	- 2.20	+ 1.10

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
3830	0.55	0.55	0.62	1.24	0.70	0.76	0.54	0.59	1.84	1.16	3.22	2.45	1.95	2.48	0.83	t
6023	0.77	0.79	0.91	2.24	0.94	0.75	0.62	0.68	2.42	0.92	1.41	0.96	1.48	1.27	0.96	
6024	1.05	0.62	0.65	3.70	1.81	1.03	0.55	0.57	3.46	1.83	2.38	3.39	0.94	2.30	1.39	
6025	1.08	0.89	0.98	2.72	1.43	1.06	0.71	0.75	2.73	1.43	4.00	4.99	4.47	1.68	5.48	
3831	1.22	0.66	0.68	3.99	2.40	1.20	0.51	0.52	4.01	2.50	1.06	1.96	1.23	1.52	0.24	
6026	1.20	0.95	1.04	4.28	2.61	1.12	0.85	0.93	4.31	2.22	2.06	0.70		1.65	2.92	
6027	1.12	1.06	1.21	2.47	1.52	1.02	0.80	0.87	2.43	1.35	0.99	2.27	1.66	0.42	1.50	t
6028	1.06	0.73	0.77	2.42	1.49	0.99	0.56	0.58	2.33	1.34	1.58	1.82	2.45	0.37	1.31	
6029	0.58	0.53	0.61	2.31	0.72	0.64	0.50	0.55	2.94	0.85	1.85	2.68	1.71	2.59	1.31	
6030	0.80	0.91	1.48	2.07	1.03	0.73	0.72	0.91	2.22	1.04	3.78	1.63		3.09	1.61	
3832	1.47	0.65	0.67	4.13	2.14	1.40	0.55	0.56	4.31	1.94	0.86	1.82	1.72	0.76	1.94	
6031	0.69	0.56	0.65	2.99	1.23	0.72	0.64	0.77	3.21	1.16	1.58	0.82		1.24	0.64	
3833	0.60	0.36	0.38	1.71	0.73	0.86	0.42	0.44	2.52	1.39	1.89	1.52	1.77	0.92	0.65	t
3834	0.58	0.92	1.08	1.23	0.66	0.68	0.76	0.84	1.61	0.79	1.10	0.75	0.85	1.57	0.63	t
6032	0.82	0.75	0.83	2.71	0.97	0.82	0.52	0.55	3.12	0.98	0.48	1.79	1.35	0.71	0.40	
3835	0.69	0.53	0.58	1.54	0.98	0.79	0.40	0.42	2.02	1.29	1.51	0.56	0.48	1.58	0.67	t
3837	0.77	0.50	0.52	1.62	1.00	1.09	0.49	0.50	2.93	1.64	2.15	1.81	1.97	1.83	0.86	
6033	1.11	0.68	0.72	3.63	1.94	1.09	0.60	0.62	3.55	1.96	1.17	0.93	0.13	1.25	1.29	
6034	1.01	1.00	1.07	3.13	1.12	1.20	0.79	0.82	3.21	1.45	4.65	3.93		2.03	2.29	
6035	0.73	0.53	0.56	2.90	0.89	0.82	0.63	0.68	3.13	1.05	1.95	1.06		1.71	1.48	t
3838	0.52	0.41	0.43	1.04	0.60	0.68	0.44	0.46	1.53	0.87	0.59	1.97	0.41	0.66	0.23	
6036	0.92	0.51	0.53	2.97	1.31	0.89	0.49	0.51	3.04	1.22	2.53	1.34	0.69	2.90	1.24	
3839	0.49	0.44	0.53	1.28	0.87	0.50	0.42	0.46	1.63	1.09	1.10	1.27	0.28	1.27	1.00	t 3024
6037	0.88	0.74	0.80	2.96	1.06	0.95	0.63	0.67	3.12	1.19	1.20	1.74		1.18	0.73	
6038	0.99	0.58	0.60	2.49	1.23	0.94	0.62	0.65	2.43	1.14	3.02	6.58	3.29	1.01	5.97	
6039	1.05	0.71	0.75	3.22	1.33	1.00	0.67	0.70	3.21	1.24	1.11	0.78	1.07	0.97	0.72	
3842	1.36	0.77	0.81	3.88	1.93	1.41	0.52	0.53	4.01	2.23	1.26	0.61	1.42	0.88	1.32	
6040	0.94	0.91	1.00	2.73	1.06	0.90	0.98	1.08	2.72	1.02	1.34	1.35	0.86	1.98	1.67	
6041	0.69	0.54	0.58	2.91	0.80	0.77	0.55	0.59	3.34	0.92	1.10	2.07	0.93	1.35	1.15	
3844	0.73	0.54	0.56	1.62	0.85	0.98	0.53	0.55	2.33	1.28	1.71	2.31	0.79	2.76	0.70	
3845	1.10	0.41	0.42	2.40	1.64	1.06	0.40	0.41	2.52	1.46	3.12	2.76	2.74	1.33	1.22	t
6042	0.85	0.82	0.90	2.19	1.00	0.80	0.71	0.76	2.42	0.90	0.24	1.64	2.13	0.49	0.58	
3843	0.93	0.52	0.53	1.99	1.11	0.89	0.42	0.43	1.94	1.04	1.23	1.74	0.47	1.57	0.32	t
6043	0.71	0.91	1.04	2.03	0.79	0.84	0.66	0.70	2.52	0.99	2.95	0.47	0.89	2.76	0.34	
3849	0.56	0.63	0.69	1.02	0.69	0.65	0.53	0.57	1.23	0.84	0.42	1.09	0.90	0.73	1.23	
3848	0.69	0.47	0.49	1.38	0.86	0.73	0.47	0.49	1.51	0.93	2.51	2.18	2.14	2.38	1.66	t
3851	0.57	0.62	0.70	1.21	0.71	0.67	0.61	0.67	1.52	0.85	0.64	0.80	0.51	0.81	0.29	
6044	0.72	1.04	2.07	1.85	0.83	0.80	0.89	1.20	2.12	1.05	1.09	1.26		1.79	0.93	
3853	0.86	0.48	0.50	2.96	1.31	1.00	0.54	0.56	3.72	1.83	1.66	1.23	3.21	2.07	0.34	
3847	1.01	0.48	0.49	2.02	1.29	1.03	0.43	0.44	2.24	1.31	0.45	0.26	0.58	0.45	0.20	
3855	0.68	0.67	0.74	1.49	0.84	0.77	0.51	0.54	1.91	0.99	1.41	1.55	1.35	1.29	0.43	t
3856	1.00	0.80	0.86	2.34	1.24	1.22	0.84	0.90	3.11	1.67	0.96	2.15	2.21	0.78	0.69	t
6045	0.75	0.63	0.68	2.79	0.88	0.81	0.56	0.59	3.12	0.97	0.63	0.88	0.87	0.35	0.89	t
6046	0.76	0.73	0.88	2.86	1.02	0.77	0.71	0.84	2.82	1.06	2.29	0.84		0.76	0.96	
6047	0.77	1.09	1.47	2.44	0.87	0.84	0.69	0.77	2.62	1.06	1.91	1.57	2.11	1.14	0.60	t
6048	0.72	1.42	2.34	1.83	0.80	0.85	0.84	1.03	2.02	1.05	1.68	1.37		1.60	1.10	t
6049	0.93	0.47	0.48	2.81	1.02	1.00	0.49	0.50	3.13	1.13	2.29	0.94	0.95	2.16	1.47	t
6050	0.74	0.83	1.72	1.90	0.90	0.83	0.88	1.48	2.12	1.12	0.56	0.81		0.57	0.25	
6051	1.13	0.68	0.72	3.30	1.88	1.14	0.53	0.55	3.43	2.06	2.89	2.67	2.17	1.15	2.34	
6052	0.96	0.69	0.72	2.63	1.09	0.93	0.72	0.75	2.72	1.04	2.82	2.04		1.35	1.59	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
6053	114684	FX		23 13 57.038453	+ 71 54 32.27272	- 4.70	+ 1.17
3859	114775	BX		23 14 58.620043	- 41 6 19.42842	+ 110.05	- 111.72
6054	114821	FX		23 15 33.585247	- 35 12 23.43983	- 24.30	+ 3.48
3860	114822	BX		23 15 34.257906	- 3 29 46.96404	- 12.01	- 2.66
3862	114831	RS		23 15 37.738234	+ 70 53 17.09140	+ 17.14	- 1.82
3861	114844	BX	61 And	23 15 46.291661	+ 28 14 52.43044	+ 14.86	- 3.00
3863	114924	RS		23 16 42.303579	+ 53 12 48.51166	+ 112.14	- 236.37
6057	114933	FX		23 16 49.704851	- 21 12 11.13779	+ 20.20	- 50.14
6058	114950	FX		23 16 58.399993	- 51 19 9.76609	- 71.52	- 117.74
3865	114984	BX		23 17 18.899549	+ 75 17 56.48314	+ 18.90	- 3.95
6059	114993	FX		23 17 24.728777	- 80 23 35.25290	- 12.20	- 17.56
6060	115041	FX		23 17 59.874837	+ 9 30 12.26248	+ 12.45	- 11.21
3864	115062	RS		23 18 20.025590	- 67 28 16.23897	+ 22.66	+ 17.58
3866	115098	BX		23 18 46.049031	- 47 26 7.37499	+ 20.94	- 2.88
3868	115144	BX		23 19 24.107035	- 18 4 31.35021	+ 2.41	+ 10.16
6062	115170	FX		23 19 40.647071	- 15 46 56.29645	+ 31.71	- 13.76
6063	115172	FX		23 19 41.413419	+ 23 49 30.92820	+ 22.43	- 36.36
3871	115227	BX	7 Psc	23 20 20.582954	+ 5 22 52.70021	+ 78.32	- 60.03
3869	115247	RS		23 20 37.444106	- 75 37 58.06428	- 42.14	+ 27.41
6064	115351	FX		23 21 51.620762	- 12 26 56.02775	+ 15.61	- 1.63
3874	115395	BX		23 22 32.533136	+ 60 8 0.54880	+ 7.18	- 1.40
6065	115428	FX		23 22 53.226807	+ 2 49 5.91300	+ 21.39	- 14.07
6066	115435	FX		23 22 57.460772	+ 28 3 4.81009	- 9.85	- 0.21
6067	115443	FX		23 23 3.958149	+ 16 4 8.02359	- 67.17	- 93.20
6068	115459	FX		23 23 18.494793	- 41 36 4.33024	- 5.83	+ 14.79
6069	115695	FX		23 26 22.149884	+ 81 40 41.45605	+ 10.12	- 12.01
6070	115720	FX		23 26 39.763260	- 5 13 55.65164	+ 139.18	+ 14.72
6071	115739	FX		23 26 54.702638	- 73 50 11.26817	+ 23.91	+ 11.54
3875	115759	BX		23 27 9.108150	- 50 9 26.07719	+ 29.62	+ 8.79
3876	115769	BX		23 27 14.992402	- 58 28 33.99638	+ 52.36	+ 69.30
6072	115775	FX		23 27 19.549390	+ 43 51 49.14296	- 7.63	- 5.99
3878	115833	BX		23 28 0.690218	- 35 32 40.14561	+ 5.08	+ 1.29
6073	115839	FX		23 28 5.196196	- 11 26 59.10302	+ 100.82	- 21.39
3879	115858	BX		23 28 25.228524	- 25 25 13.96007	- 28.81	- 18.39
6074	115865	FX		23 28 28.633425	+ 5 48 27.52715	+ 20.17	- 10.96
6075	115889	FX		23 28 46.002806	+ 11 30 44.20785	+ 32.17	+ 0.38
3880	115908	BX		23 29 0.980748	- 63 6 38.36043	+ 39.25	- 13.55
6076	115951	FX		23 29 30.315440	- 1 2 9.24722	- 16.18	- 30.93
3881	115953	BX		23 29 32.080882	- 4 31 57.88556	+ 179.02	- 231.50
6077	115975	FX		23 29 50.154864	- 45 53 38.30483	+ 50.54	- 81.77
3882	115996	BX		23 30 7.414024	+ 49 7 59.32560	+ 29.17	+ 3.49
6078	116002	FX		23 30 12.995027	- 30 6 15.04405	- 2.13	- 7.71
6079	116033	FX		23 30 40.148435	- 24 11 45.83312	+ 61.40	+ 31.14
3883	116097	RS		23 31 26.959033	- 44 50 36.88833	+ 45.38	- 20.86
3884	116102	BX		23 31 30.131569	+ 28 39 58.22828	+ 20.24	- 11.03
6080	116111	FX		23 31 35.428805	- 36 17 28.47450	+ 51.16	- 102.93
6081	116114	FX		23 31 39.682497	+ 77 49 10.84960	+ 42.46	+ 14.59
3885	116118	BX	100 Aqr	23 31 42.042441	- 21 22 10.02508	+ 0.89	- 4.65
3886	116183	BX		23 32 25.891059	- 10 59 55.53327	+ 4.12	+ 4.49
6082	116184	FX		23 32 28.199906	- 63 39 18.02630	+ 9.59	- 33.33

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
6053	91.28	0.62	0.54	91.26	0.63	0.60	2.11	0.80	H		8.53		11	1	3
3859	91.17	0.55	0.57	91.47	0.50	0.54	13.95	0.72	H	+ 8.	5.77		18		
6054	91.63	0.88	0.90	91.26	0.88	0.89	10.50	1.20	H		8.50		11	1	3
3860	91.11	0.62	0.46	91.23	0.49	0.43	14.09	0.74	H	+ 13.6	5.56		18		
3862	91.43	0.42	0.38	91.31	0.43	0.46	9.15	0.57	H	- 8.1	5.55	1	38		
3861	91.16	0.56	0.52	91.50	0.50	0.42	3.41	0.76	H	+ 4.0	6.51		31		
3863	91.45	0.39	0.39	91.31	0.42	0.40	49.31	0.58	H	- 25.4	5.58		39		
6057	91.20	0.93	1.02	91.44	0.56	0.73	10.84	1.05	H		7.25		11	1	3
6058	91.58	0.68	0.74	91.74	0.59	0.57	14.19	1.10	H		8.08		11	1	3
3865	91.48	0.47	0.48	91.27	0.46	0.48	5.19	0.55	H	- 8.	6.35		21	2	
6059	91.04	0.70	0.85	91.33	0.69	0.74	2.65	0.61	P		8.84		11	1	3
6060	91.34	0.84	0.64	91.41	0.72	0.66	6.66	1.06	H		7.63		11	1	3
3864	91.29	0.48	0.55	91.30	0.46	0.52	5.19	0.63	H	+ 18.2	6.15		21	2	
3866	90.88	0.60	0.64	91.01	0.56	0.55	2.51	0.74	H	- 11.4	6.59		31		
3868	91.44	0.87	0.54	91.29	0.64	0.52	2.92	1.00	H	+ 4.7	5.96		39		
6062	91.43	0.87	0.80	91.04	0.76	0.75	4.02	1.08	H		7.31		21	2	
6063	91.08	0.51	0.48	91.41	0.48	0.45	3.75	0.74	H		7.28		31		
3871	91.24	0.82	0.47	91.03	0.56	0.54	9.56	0.95	H	+ 40.4	5.05		11	1	3
3869	91.28	0.54	0.59	91.33	0.50	0.49	16.57	0.66	H		7.30		11	1	3
6064	91.25	1.04	0.72	90.88	0.90	0.76	3.75	0.86	P		7.92		11	1	3
3874	91.04	0.41	0.35	91.28	0.44	0.39	2.20	0.55	H	- 10.2	5.56	1	15	1	3
6065	91.14	0.75	0.63	91.18	0.53	0.55	7.54	0.88	H		7.04		11	1	3
6066	91.19	0.97	0.76	91.39	0.81	0.68	2.26	1.36	H		9.24		11	1	3
6067	91.27	0.98	0.83	91.07	0.85	0.85	12.78	1.11	H	+ 4.6	8.66		15	1	3
6068	91.02	0.57	0.54	91.01	0.54	0.49	10.05	0.74	H		7.13		31		
6069	91.03	0.67	0.62	91.34	0.72	0.67	6.01	0.82	H		8.97		11	1	3
6070	91.21	0.94	0.59	91.44	0.72	0.63	10.71	1.15	H		8.20		21	2	
6071	91.30	0.57	0.63	91.26	0.55	0.57	2.26	0.71	H		7.46		11	1	3
3875	91.36	0.45	0.52	91.55	0.43	0.43	6.43	0.72	H	- 0.8	6.22		11	1	3
3876	91.20	0.35	0.37	91.36	0.41	0.41	10.93	0.61	H	- 11.3	5.63		31		
6072	91.23	0.53	0.50	91.61	0.56	0.56	.76	0.91	H	- 14.3	8.16		11	1	3
3878	91.55	0.71	0.69	91.51	0.61	0.60	5.06	0.89	H	+ 12.7	6.34		11	1	3
6073	91.35	0.77	0.59	91.32	0.54	0.47	8.83	0.93	H	- 82.1	6.37		11	1	3
3879	91.32	0.75	0.59	91.36	0.49	0.51	8.29	0.81	H		6.90	1	31		
6074	91.16	0.99	0.81	91.15	0.82	0.64	2.52	1.27	H		8.25		11	1	3
6075	90.99	1.08	0.82	91.04	0.99	0.88	2.21	1.25	H		8.91		11	1	3
3880	91.17	0.40	0.43	91.26	0.39	0.39	8.58	0.54	H	+ 15.3	5.66	1	11	1	3
6076	91.26	0.85	0.46	91.18	0.61	0.51	25.33	1.00	H	- 14.4	6.88		21	2	
3881	91.18	0.72	0.63	91.09	0.54	0.51	20.44	0.86	H	- 25.0	6.26		19	1	1
6077	91.06	0.92	0.84	91.36	0.73	0.66	10.19	1.13	H		7.88		31		
3882	91.11	0.36	0.40	91.24	0.45	0.53	3.81	0.72	H	+ 6.0	6.19		35		
6078	91.58	0.95	0.92	91.49	0.93	0.93	2.50	0.58	P		8.83		11	1	3
6079	91.16	0.88	0.74	91.09	0.69	0.60	24.16	0.94	H	- 24.5	7.53		21	2	
3883	91.06	0.53	0.54	91.14	0.52	0.53	8.79	0.72	H	+ 8.0	6.02		11	1	3
3884	91.15	0.57	0.42	91.25	0.44	0.36	7.82	0.72	H	- 4.0	6.53		11	1	3
6080	91.75	0.90	0.92	91.18	0.77	0.75	.82	1.09	H		8.08		11	1	3
6081	91.14	0.47	0.50	91.15	0.42	0.42	5.17	0.52	H	- 4.	7.05		31		
3885	91.18	0.71	0.72	91.21	0.66	0.68	12.49	0.85	H	- 8.	6.24		28	2	
3886	91.33	0.78	0.78	91.32	0.53	0.62	3.83	0.93	H		6.78		31		
6082	91.28	0.54	0.58	91.41	0.57	0.56	3.34	0.79	H		7.34		31		

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
6053	- 0.10	+ 0.04	+ 0.10	- 2.95	+ 0.05	+ 0.11	- 0.03	- 0.11	+ 4.67	- 0.21
3859	- 0.22	+ 0.06	+ 0.08	+ 0.04	- 0.46	+ 0.34	- 0.06	- 0.08	+ 2.55	- 0.29
6054	+ 0.67	- 0.23	- 0.47	+ 0.22	+ 1.79	- 0.13	- 0.03	- 0.06	- 1.64	+ 0.34
3860	+ 0.24	- 0.34	- 0.42	+ 2.57	- 0.44	+ 0.53	- 0.52	- 0.60	- 0.39	+ 0.86
3862	+ 0.23	- 0.08	- 0.10	+ 1.29	- 0.08	+ 1.25	- 0.34	- 0.45	- 2.03	+ 2.95
3861	+ 0.42	- 0.17	- 0.31	+ 4.31	- 0.62	- 0.66	+ 0.15	+ 0.24	- 2.05	- 0.76
3863	+ 1.74	- 0.39	- 0.44	+ 1.28	+ 2.21	+ 0.10	+ 0.06	+ 0.07	+ 2.13	- 0.94
6057	- 0.44	+ 0.41	+ 0.80	+ 1.75	- 1.57	+ 0.39	- 0.06	- 0.09	+ 4.10	- 0.31
6058	+ 1.31	- 0.27	- 0.43	+ 0.19	+ 2.48	+ 1.47	- 0.13	- 0.19	+ 4.09	+ 1.84
3865	+ 1.12	- 0.68	- 1.09	+ 1.32	+ 1.93	- 2.13	+ 0.48	+ 0.89	+ 3.50	- 6.98
6059	- 0.08	+ 0.00	+ 0.04	+ 2.20	- 1.32	+ 0.74	- 0.10	- 0.57	+ 6.35	+ 3.45
6060	+ 0.67	- 0.68	- 1.08	- 0.03	+ 1.22	- 0.51	+ 0.09	+ 0.14	- 3.00	- 0.54
3864	+ 0.42	- 0.03	- 0.09	+ 1.85	+ 0.98	- 0.64	+ 0.06	+ 0.16	- 1.45	- 1.75
3866	+ 0.25	- 0.07	- 0.22	- 1.64	+ 1.71	- 0.34	+ 0.11	+ 0.27	+ 3.60	- 2.55
3868	- 0.32	+ 0.73	+ 1.55	- 0.11	- 0.84	+ 0.42	- 0.32	- 0.58	- 0.36	+ 1.05
6062	- 0.35	+ 0.50	+ 1.40	- 1.40	- 1.07	- 1.74	+ 1.04	+ 2.62	- 8.76	- 3.65
6063	+ 0.06	+ 0.05	+ 0.11	+ 0.75	- 0.04	- 0.63	+ 0.23	+ 0.38	+ 3.86	- 1.67
3871	+ 0.05	+ 0.13	+ 0.21	+ 0.84	- 0.21	- 0.30	+ 0.49	+ 0.68	- 0.92	- 0.31
3869	- 1.08	+ 0.17	+ 0.29	- 0.22	- 2.43	- 2.13	+ 0.16	+ 0.29	- 6.26	- 3.00
6064	- 0.12	- 0.04	- 0.38	- 0.91	+ 0.04	+ 0.32	- 0.56	- 1.57	+ 2.75	+ 0.46
3874	+ 0.33	- 0.24	- 0.35	+ 1.16	+ 0.32	+ 0.42	- 0.10	- 0.19	+ 0.35	+ 0.80
6065	+ 0.09	- 0.20	- 0.31	- 3.28	+ 0.62	+ 0.41	- 0.21	- 0.30	- 0.83	+ 0.82
6066	+ 0.10	- 0.09	- 0.30	+ 4.23	- 0.18	- 0.14	+ 0.04	+ 0.12	+ 0.31	- 0.52
6067	+ 0.31	- 0.26	- 0.44	- 5.96	+ 2.02	+ 0.23	- 0.18	- 0.33	+ 2.78	- 0.04
6068	+ 1.33	- 0.69	- 0.91	+ 3.60	+ 1.20	- 1.50	+ 0.68	+ 0.85	- 1.46	- 2.05
6069	- 1.03	+ 0.46	+ 0.80	- 3.21	- 1.65	- 0.13	+ 0.02	+ 0.03	+ 0.11	- 0.27
6070	- 1.43	+ 3.20	+ 4.42	- 0.41	- 2.19	+ 1.87	- 1.86	- 2.52	+ 3.23	+ 2.47
6071	- 0.63	+ 0.13	+ 0.54	- 2.02	- 2.88	- 0.32	+ 0.06	+ 0.26	- 3.11	- 1.05
3875	+ 0.27	- 0.03	- 0.05	+ 0.70	+ 0.35	+ 0.77	- 0.11	- 0.18	+ 1.14	+ 1.30
3876	- 0.48	+ 0.07	+ 0.09	- 0.65	- 0.66	+ 0.07	- 0.04	- 0.05	- 4.40	+ 1.50
6072	- 0.03	+ 0.01	+ 0.06	- 2.61	+ 0.12	- 0.21	+ 0.11	+ 0.60	- 2.78	- 0.95
3878	+ 0.16	- 0.13	- 0.24	+ 0.07	+ 0.43	- 0.02	+ 0.02	+ 0.03	+ 2.63	- 1.02
6073	+ 0.24	- 0.80	- 1.24	- 0.02	+ 0.45	+ 0.30	- 0.49	- 0.64	+ 4.80	- 0.02
3879	+ 0.14	- 0.12	- 0.18	+ 2.75	- 0.62	- 0.69	+ 0.52	+ 0.68	+ 3.19	- 2.19
6074	+ 0.17	- 0.27	- 1.00	+ 1.99	+ 0.30	+ 0.50	- 0.40	- 1.02	+ 5.06	+ 0.76
6075	- 0.19	+ 0.21	+ 0.78	+ 0.44	- 0.85	+ 0.19	- 0.07	- 0.26	- 3.74	+ 1.33
3880	+ 0.23	- 0.05	- 0.07	- 0.10	+ 0.50	+ 0.30	- 0.06	- 0.08	- 0.67	+ 0.77
6076	- 0.55	+ 2.91	+ 3.64	- 3.35	- 0.33	- 0.01	+ 0.54	+ 0.75	- 1.20	+ 0.12
3881	- 0.22	+ 0.57	+ 0.71	+ 1.22	- 0.98	+ 0.60	- 0.38	- 0.45	- 0.58	+ 1.18
6077	+ 0.66	- 0.68	- 1.17	+ 1.81	+ 0.92	- 1.90	+ 0.99	+ 1.46	- 2.90	- 2.83
3882	- 0.49	+ 0.14	+ 0.24	+ 1.55	- 1.90	+ 0.72	- 0.25	- 0.50	- 1.82	+ 3.10
6078	+ 0.06	- 0.09	- 0.51	+ 2.05	- 0.02	+ 0.21	- 0.15	- 0.77	+ 2.23	+ 0.77
6079	+ 1.63	- 2.79	- 3.76	+ 3.40	+ 1.95	+ 2.23	- 2.12	- 2.50	+ 5.46	+ 2.31
3883	+ 0.49	- 0.05	- 0.08	+ 0.69	+ 0.79	- 1.53	+ 0.27	+ 0.44	- 0.27	- 3.29
3884	- 0.32	+ 0.40	+ 0.49	+ 0.33	- 0.75	- 0.12	+ 0.11	+ 0.13	+ 0.19	- 0.27
6080	+ 0.02	- 0.03	- 0.37	+ 2.67	- 0.42	- 0.10	+ 0.05	+ 0.49	- 6.05	+ 0.41
6081	- 0.55	+ 0.28	+ 0.44	+ 1.93	- 1.19	- 1.30	+ 0.37	+ 0.55	- 5.40	- 1.61
3885	+ 1.18	- 1.21	- 1.91	+ 5.21	+ 0.81	+ 3.46	- 1.65	- 2.53	+ 9.84	+ 3.70
3886	+ 0.00	+ 0.08	+ 0.17	+ 3.62	- 1.63	- 0.86	+ 0.49	+ 0.99	- 1.79	- 1.79
6082	+ 1.14	- 0.26	- 0.66	- 0.30	+ 3.56	- 0.81	+ 0.19	+ 0.47	- 4.09	- 1.67

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	T^H	
6053	0.78	0.58	0.63	3.25	1.14	0.85	0.62	0.68	3.64	1.32	0.08	1.58		1.53	0.05	
3859	1.10	0.63	0.65	2.28	1.42	1.14	0.58	0.60	2.52	1.48	1.02	0.37	0.75	0.99	0.87	t
6054	1.40	0.97	1.05	3.46	2.05	1.47	0.95	1.01	3.62	2.29	0.99	0.47		0.61	0.39	
3860	0.59	0.75	0.79	1.24	0.63	0.63	0.57	0.59	1.52	0.68	2.04	1.63	0.94	2.29	0.74	t
3862	0.69	0.45	0.46	1.43	0.77	0.93	0.50	0.51	2.14	1.17	1.17	2.68	1.39	2.21	1.58	t
3861	0.71	0.61	0.67	1.61	0.96	0.74	0.45	0.48	1.71	1.04	2.97	0.90	2.19	2.71	1.24	
3863	1.02	0.43	0.43	2.45	1.00	1.00	0.44	0.44	1.83	1.22	1.30	2.54	0.94	1.44	0.58	t
6057	1.26	1.24	1.43	3.25	1.63	1.26	0.79	0.84	3.31	1.72	1.10	1.25		1.49	0.48	
6058	1.32	0.81	0.85	3.78	1.70	1.30	0.61	0.63	3.72	1.67	1.15	1.97	0.62	0.78	0.73	
3865	0.76	0.56	0.59	1.57	1.00	1.03	0.50	0.52	2.83	1.56	1.71	5.35	0.11	3.26	0.88	
6059	1.19	0.86	0.92	4.63	2.60	1.12	0.75	0.79	4.25	2.45	1.66	1.64	1.76	0.89	0.65	
6060	0.82	0.84	0.94	2.84	0.94	0.97	0.77	0.84	3.51	1.19	1.85	0.94		0.78	0.98	
3864	1.23	0.56	0.57	3.58	2.36	1.17	0.53	0.55	3.42	2.02	0.71	1.01	3.55	0.22	0.88	
3866	0.93	0.67	0.72	2.76	1.63	0.84	0.58	0.62	2.32	1.37	1.47	2.17	0.86	2.51	1.13	
3868	0.60	0.78	0.99	1.46	0.73	0.67	0.62	0.70	1.81	0.85	0.95	2.48	2.53	0.83	0.77	t
6062	0.99	0.91	1.06	3.21	1.32	0.99	0.83	0.94	3.31	1.35	3.39	3.99	2.80	1.43	1.80	
6063	0.74	0.55	0.59	2.51	0.92	0.75	0.50	0.53	2.72	0.94	1.28	1.90	3.00	1.95	1.73	
3871	0.58	0.77	0.85	1.23	0.65	0.68	0.82	0.91	1.71	0.77	0.97	0.86	1.20	0.82	0.96	
3869	1.50	0.61	0.62	3.90	2.12	1.56	0.50	0.51	4.02	2.32	1.62	1.84	1.57	0.86	1.44	
6064	0.81	0.97	1.29	1.95	1.02	0.84	1.00	1.36	2.32	1.04	1.19	1.66		1.00	1.34	
3874	0.47	0.44	0.48	1.11	0.58	0.60	0.44	0.47	1.64	0.79	1.30	1.46	0.70	0.72	0.98	t
6065	0.71	1.01	1.19	2.15	0.79	0.84	0.65	0.69	2.52	1.00	1.23	1.17	0.47	1.81	1.17	
6066	0.85	0.89	1.15	3.08	1.09	0.87	0.73	0.85	3.02	1.27	0.44	1.38		1.37	0.61	
6067	1.19	0.99	1.08	3.20	1.50	1.28	0.97	1.05	3.71	1.64	1.85	1.33	0.34	2.36	1.36	t
6068	0.82	0.66	0.69	1.86	1.00	0.79	0.58	0.60	1.83	0.95	2.59	3.17	2.73	1.17	1.47	
6069	0.95	0.70	0.75	3.41	1.19	1.04	0.73	0.78	3.97	1.35	1.76	1.15		0.44	1.32	
6070	0.69	0.96	1.08	2.29	0.74	0.81	0.85	0.93	2.62	0.90	6.60	2.84		0.79	2.18	
6071	0.96	0.65	0.69	3.86	1.77	0.94	0.58	0.61	3.84	1.84	1.08	1.91	1.81	0.52	0.73	
3875	1.01	0.55	0.57	2.33	1.46	0.98	0.45	0.46	2.42	1.36	0.62	1.06	0.63	0.14	1.50	
3876	1.00	0.38	0.39	2.23	1.28	0.89	0.44	0.45	2.03	1.09	2.12	1.42	1.39	2.56	0.66	
6072	0.61	0.52	0.59	2.96	0.98	0.65	0.59	0.69	2.92	1.01	1.27	1.43		1.06	2.02	
3878	0.92	0.81	0.91	1.97	1.27	0.85	0.69	0.75	1.92	1.14	1.27	0.88	0.53	1.64	0.28	
6073	0.67	1.01	1.18	1.98	0.73	0.59	0.71	0.76	2.12	0.63	2.47	1.35	0.70	2.19	0.79	
3879	0.70	0.92	1.04	1.52	0.82	0.76	0.63	0.67	1.71	0.91	2.07	2.56	0.68	3.39	0.28	
6074	0.87	1.00	1.41	2.44	1.09	0.78	0.74	0.88	2.72	1.02	1.54	2.39		1.61	0.78	
6075	0.90	0.95	1.28	3.41	1.15	1.01	0.96	1.20	3.91	1.44	1.38	0.85		1.27	0.99	
3880	0.98	0.45	0.46	2.20	1.30	0.91	0.41	0.42	2.13	1.17	0.27	0.80	1.16	0.64	1.27	
6076	0.54	1.09	1.20	1.58	0.53	0.63	0.89	0.95	1.83	0.65	3.60	3.02	3.02	1.94	0.68	
3881	0.80	0.97	1.04	1.53	0.92	0.82	0.62	0.64	1.71	0.96	0.28	1.85	1.36	1.52	0.72	t
6077	1.03	1.10	1.26	2.45	1.28	1.00	0.77	0.82	2.43	1.26	2.02	3.13	2.87	0.32	2.27	
3882	0.79	0.42	0.44	1.80	1.14	0.87	0.57	0.61	1.93	1.33	0.96	2.98	0.95	2.65	0.36	t
6078	1.11	0.97	1.17	3.53	1.83	1.09	0.99	1.22	3.61	1.68	0.75	1.02		0.64	0.79	
6079	0.90	1.16	1.28	2.24	1.00	0.82	0.82	0.86	2.42	0.88	4.21	5.45	4.79	1.36	1.63	
3883	1.09	0.58	0.60	2.47	1.51	1.12	0.56	0.58	2.72	1.56	0.40	2.31	0.67	0.96	1.95	
3884	0.58	0.57	0.60	1.09	0.69	0.64	0.42	0.43	1.32	0.76	0.14	1.41	0.80	0.89	0.94	
6080	0.98	0.96	1.24	2.94	1.60	0.84	0.78	0.94	2.92	1.45	2.31	0.05	1.73	2.19	0.78	
6081	0.78	0.57	0.60	2.84	0.93	0.78	0.45	0.47	2.97	0.95	2.05	2.50	0.21	1.60	1.02	
3885	1.08	0.86	0.92	2.39	1.36	1.12	0.77	0.82	2.51	1.46	5.37	3.95	6.16	2.65	3.27	t
3886	0.87	1.01	1.31	1.80	1.15	0.85	0.70	0.77	1.92	1.23	2.06	2.18	2.68	2.46	2.03	
6082	0.95	0.60	0.64	3.39	1.45	0.93	0.59	0.63	3.44	1.37	1.31	3.02	3.30	1.23	1.85	

1	2	3	4	5			6			7		8		
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000			δ (SI) 2000			μ_{α^*} (SI) 2000		μ_{δ} (SI) 2000		
				h	m	s	°	'	"	[mas/yr]		[mas/yr]		
3888	116196	BX		23	32	34.994470	+	53	41	10.94067	+	4.17	-	5.70
3887	116250	BX		23	33	19.587046	-	77	23	7.17988	+	15.53	+	1.64
6083	116261	FX		23	33	25.761538	-	31	17	22.03504	-	8.44	+	4.35
3889	116264	BX	71 Peg	23	33	28.093902	+	22	29	55.59125	+	9.80	-	17.22
6084	116275	FX		23	33	31.631655	-	59	55	8.85932	+	20.14	-	1.10
3890	116323	BX	14 Psc	23	34	9.016413	-	1	14	51.24444	+	106.04	-	13.53
3891	116355	RS	73 Peg	23	34	38.203433	+	33	29	50.38242	-	4.56	+	21.62
6085	116375	FX		23	34	54.349580	-	35	5	6.15084	+	41.02	-	57.02
3893	116380	RS		23	34	59.038869	+	71	38	31.35468	+	4.53	-	2.51
3892	116387	RS		23	35	2.129284	-	56	49	31.25730	-	41.25	-	13.37
6087	116420	FX		23	35	28.043611	-	16	35	0.70978	+	2.84	-	30.58
3894	116465	RS		23	35	55.942345	+	24	33	39.64343	+	1.25	+	10.14
6088	116482	FX		23	36	9.642757	-	26	52	34.72778	-	23.51	+	1.41
6089	116529	FX		23	36	58.355515	+	11	0	54.03174	+	40.54	+	7.65
6090	116534	FX		23	37	2.783872	+	35	47	58.15469	+	0.10	+	5.39
6091	116535	FX		23	37	3.093576	+	38	44	18.91294	-	16.38	+	10.21
6092	116573	FX		23	37	23.748872	-	51	43	58.03002	-	28.38	-	12.16
6093	116577	FX		23	37	27.450746	+	19	46	52.04706	+	17.59	-	1.69
6094	116624	FX		23	38	3.029835	-	15	5	42.39125	+	80.97	-	111.67
3897	116709	BX	18 And	23	39	8.331735	+	50	28	18.24097	-	17.04	-	1.58
3899	116824	BX		23	40	40.636615	+	36	43	14.75896	+	234.45	+	22.99
6095	116836	FX		23	40	50.898054	+	3	37	37.84903	-	8.31	-	7.51
6096	116854	FX		23	41	10.091139	-	6	28	40.89608	-	0.46	-	27.33
6098	116954	FX		23	42	25.546767	+	47	45	17.78885	-	28.29	-	29.19
3901	116972	BX	76 Peg	23	42	43.862416	+	16	20	8.58728	+	90.73	+	10.78
6099	117012	FX		23	43	14.429105	+	1	6	47.01247	+	17.31	-	8.91
3902	117020	BX	77 Peg	23	43	22.359446	+	10	19	53.52851	+	4.99	+	11.18
6101	117049	FX		23	43	42.256261	+	21	56	24.51624	+	2.98	-	21.06
6102	117066	FX		23	43	57.357296	-	82	30	30.60604	-	129.64	-	91.93
3903	117075	RS		23	44	1.321167	-	45	4	59.24448	+	326.02	+	1.80
3904	117088	BX		23	44	12.045727	-	64	24	16.02183	+	14.53	+	34.82
3905	117105	RS		23	44	25.432219	-	70	29	24.81262	+	245.66	+	61.65
6104	117113	FX		23	44	33.349005	+	29	46	15.33542	-	13.22	-	4.05
6105	117137	FX		23	44	48.945694	+	7	11	30.50031	+	20.62	-	11.42
3907	117146	RS		23	44	56.659897	+	69	45	17.47849	-	3.68	-	6.26
6106	117162	FX		23	45	12.096497	+	15	2	36.61080	-	28.02	-	13.31
6107	117216	FX		23	46	0.519560	-	66	51	11.08686	-	1.05	-	27.35
3908	117245	BX	19 Psc	23	46	23.517416	+	3	29	12.52351	-	33.36	-	24.50
3909	117301	BX	τ Cas	23	47	3.454687	+	58	39	7.16659	+	60.65	+	57.22
3910	117315	BX	σ Phe	23	47	15.995758	-	50	13	35.25952	+	8.98	-	23.38
3911	117324	RS		23	47	23.358198	-	68	23	38.28567	+	48.34	-	33.71
6108	117337	FX		23	47	31.534846	-	38	9	23.09205	+	64.49	-	7.32
3912	117420	BX		23	48	32.480140	-	6	22	49.52855	+	1.24	-	19.60
6109	117481	FX		23	49	19.525393	-	27	51	15.32391	-	75.56	-	51.03
6110	117484	FX		23	49	21.291747	+	23	52	27.61251	-	96.83	-	88.77
3913	117500	BX	79 Peg	23	49	39.394216	+	28	50	32.60113	+	62.62	+	25.13
3914	117503	RS		23	49	40.960008	+	36	25	31.01102	-	0.10	-	47.84
6111	117514	FX		23	49	53.120283	+	62	12	50.73087	-	4.66	-	3.06
6112	117569	FX		23	50	34.231462	-	20	13	59.65944	+	42.28	-	25.05
3915	117605	RS		23	51	1.016977	-	48	39	33.80171	+	13.28	-	14.27

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3888	91.08	0.53	0.42	91.13	0.58	0.49	2.40	0.79	H	- 19.	6.83		11	1	3
3887	91.17	0.44	0.45	91.26	0.39	0.39	31.49	0.49	H	+ 26.0	5.82		31		
6083	91.54	0.73	0.78	91.51	0.59	0.67	6.47	0.95	H		7.14		11	1	3
3889	91.11	0.51	0.40	91.40	0.44	0.37	5.67	0.67	H	+ 2.0	5.33	2	13		
6084	91.28	0.59	0.63	91.15	0.69	0.69	7.71	0.93	H		8.51		11	1	3
3890	91.23	0.72	0.44	91.08	0.52	0.45	14.17	0.82	H	- 2.8	5.91		11	1	3
3891	91.01	0.57	0.53	91.40	0.45	0.44	10.68	0.77	H	- 2.8	5.63		19	1	1
6085	91.26	0.69	0.71	91.13	0.61	0.61	5.81	0.85	H		7.07		11	1	3
3893	91.16	0.44	0.43	91.27	0.44	0.46	2.00	0.46	P	- 3.5	5.86	1	29	2	
3892	91.22	0.39	0.44	91.38	0.44	0.51	9.74	0.66	H		6.73		11	1	3
6087	91.33	0.94	0.94	91.19	0.72	0.80	2.38	1.20	H		7.63		11	1	3
3894	91.10	0.54	0.55	91.31	0.49	0.48	2.60	0.75	H	- 12.1	6.44	2	13		
6088	91.05	0.95	0.74	91.20	0.62	0.56	15.51	0.92	H	+ 12.2	6.57		31		
6089	91.13	0.94	0.67	91.50	0.65	0.50	4.63	1.11	H		7.95		11	1	3
6090	91.30	0.82	0.73	91.43	0.66	0.58	6.41	1.06	H		8.13		21	2	
6091	91.28	0.81	0.66	91.32	0.65	0.58	1.83	1.08	H		8.35		31		
6092	91.38	0.70	0.73	91.34	0.77	0.68	5.24	1.10	H		8.01		21	2	
6093	91.23	0.86	0.70	91.46	0.70	0.59	2.52	1.23	H		8.98		11	1	3
6094	91.40	0.84	0.62	91.24	0.48	0.54	9.65	0.89	H		6.38		11	1	3
3897	91.13	0.36	0.33	91.28	0.45	0.46	8.36	0.70	H	+ 9.9	5.35		38		
3899	91.20	0.56	0.43	91.18	0.53	0.46	22.63	0.81	H	- 0.2	6.24		11	1	3
6095	91.34	1.29	0.71	91.01	0.80	0.70	1.73	1.27	H		9.07		31		
6096	91.30	0.98	0.66	91.31	0.69	0.65	6.40	1.17	H		8.45		11	1	3
6098	91.45	0.72	0.62	91.38	0.76	0.70	6.44	1.27	H		8.80		11	1	3
3901	91.41	0.66	0.49	91.37	0.48	0.39	8.03	0.82	H	- 0.8	6.30		15	1	3
6099	91.37	1.25	0.75	91.05	0.94	0.81	3.40	1.46	H		8.86		11	1	3
3902	91.16	0.69	0.45	91.45	0.41	0.39	3.99	0.80	H	- 33.7	5.09	1	13		
6101	91.12	0.64	0.57	91.25	0.53	0.47	3.20	0.89	H		7.89	2	11	1	3
6102	91.36	0.57	0.62	91.22	0.53	0.54	25.18	0.65	H		7.68		11	1	3
3903	91.45	0.54	0.58	91.61	0.47	0.49	13.68	0.76	H	- 30.8	6.08		11	1	3
3904	91.21	0.42	0.44	91.15	0.44	0.46	3.71	0.58	H	- 13.0	5.73		11	1	3
3905	91.26	0.44	0.49	91.30	0.45	0.46	21.77	0.57	H	+ 20.2	6.06		21	2	
6104	91.07	0.79	0.64	91.23	0.68	0.65	3.35	1.04	H	+ 43.7	8.51		11	1	3
6105	91.59	0.87	0.56	91.61	0.45	0.36	6.87	0.89	H		6.88		21	2	
3907	91.20	0.48	0.48	91.11	0.49	0.48	2.78	0.63	H	- 1.7	7.15		11	1	3
6106	91.34	0.82	0.67	91.37	0.56	0.50	5.65	0.97	H	+ 8.	7.70		11	1	3
6107	91.27	0.64	0.68	91.21	0.59	0.60	6.16	0.81	H		8.19		11	1	3
3908	91.25	0.89	0.47	91.23	0.56	0.44	4.29	0.93	H	+ 11.5	4.95	2	33		
3909	91.18	0.43	0.40	91.22	0.44	0.45	18.88	0.59	H	- 20.0	4.88		19	1	1
3910	91.37	0.42	0.48	91.58	0.38	0.44	5.51	0.65	H	+ 11.	5.18		11	1	3
3911	91.32	0.48	0.53	91.30	0.49	0.54	8.84	0.64	H	- 1.7	6.89		31		
6108	91.66	0.86	0.84	91.70	0.54	0.49	3.40	0.78	P		8.04		11	1	3
3912	91.20	0.76	0.64	91.02	0.55	0.57	4.51	0.85	H	- 20.5	6.09		19	1	1
6109	91.47	1.03	0.79	91.34	0.88	0.64	27.88	1.33	H		6.95		11	1	3
6110	91.16	0.77	0.66	91.10	0.67	0.62	10.82	1.14	H		8.15		11	1	3
3913	90.97	0.54	0.40	91.35	0.51	0.39	12.22	0.73	H	- 4.3	5.95		21	2	
3914	91.30	0.55	0.52	91.23	0.48	0.48	7.41	0.70	H	- 0.8	5.86	1	15	1	3
6111	91.09	0.48	0.52	91.14	0.54	0.54	1.30	0.30	P	- 27.	7.74	2	18		
6112	91.29	0.90	0.91	91.62	0.55	0.72	10.90	1.08	H	+ 20.	7.20		11	1	3
3915	91.36	0.59	0.58	91.57	0.46	0.58	3.55	0.85	H		6.85		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3888	+ 0.05	- 0.12	- 0.28	+ 1.27	- 0.40	- 0.14	+ 0.22	+ 0.48	- 0.23	- 0.33
3887	- 0.14	+ 0.12	+ 0.13	+ 2.50	- 1.42	- 0.54	+ 0.13	+ 0.15	- 1.12	- 0.42
6083	- 0.61	+ 0.23	+ 0.47	- 1.79	- 1.10	+ 0.53	- 0.12	- 0.21	+ 2.43	+ 0.62
3889	+ 0.09	- 0.19	- 0.26	+ 0.13	+ 0.13	+ 0.28	- 0.20	- 0.26	+ 1.39	- 0.03
6084	- 0.45	+ 0.06	+ 0.12	+ 2.12	- 1.65	- 1.95	+ 0.38	+ 0.80	- 6.26	- 3.58
3890	- 0.36	+ 1.15	+ 1.40	- 0.49	- 0.44	- 0.18	+ 0.25	+ 0.29	+ 0.48	- 0.37
3891	+ 0.09	+ 0.03	+ 0.02	+ 3.16	- 1.02	- 0.21	+ 0.03	+ 0.04	- 1.98	+ 0.36
6085	+ 0.44	- 0.24	- 0.49	+ 4.55	- 0.27	+ 0.63	- 0.28	- 0.51	+ 0.37	+ 1.34
3893	- 0.90	+ 0.35	+ 0.73	- 7.38	+ 0.03	+ 0.11	+ 0.03	+ 0.07	+ 3.53	- 0.62
3892	+ 1.15	- 0.08	- 0.15	+ 3.79	+ 1.74	- 0.55	+ 0.05	+ 0.11	- 7.43	+ 0.85
6087	- 0.35	+ 0.48	+ 2.21	- 4.04	- 1.28	+ 0.02	+ 0.02	+ 0.16	- 2.34	+ 0.45
3894	+ 0.45	- 0.13	- 0.30	+ 2.05	+ 0.79	- 0.39	+ 0.01	+ 0.03	+ 0.08	- 1.70
6088	+ 0.00	- 0.04	- 0.05	- 3.33	+ 0.72	+ 0.25	- 0.24	- 0.30	- 1.63	+ 0.61
6089	- 0.48	+ 0.49	+ 0.99	+ 0.09	- 1.12	- 0.21	+ 0.20	+ 0.40	- 0.37	- 0.46
6090	+ 0.34	- 0.67	- 1.29	+ 4.62	+ 0.20	- 0.81	+ 0.39	+ 0.63	- 9.43	- 0.15
6091	+ 0.08	- 0.13	- 0.46	+ 6.78	- 0.39	+ 0.29	- 0.13	- 0.43	+ 2.22	+ 0.70
6092	+ 1.57	- 0.50	- 1.20	- 1.45	+ 5.37	- 1.03	+ 0.32	+ 0.74	- 1.16	- 2.82
6093	+ 0.09	- 0.06	- 0.15	- 3.59	+ 0.84	- 0.10	+ 0.02	+ 0.04	- 2.17	+ 0.11
6094	- 0.43	+ 0.91	+ 1.32	+ 2.10	- 0.90	- 0.26	+ 0.19	+ 0.24	- 3.85	+ 0.01
3897	- 0.57	+ 0.30	+ 0.35	- 2.53	+ 0.09	+ 0.22	- 0.23	- 0.29	- 0.94	+ 0.70
3899	+ 0.06	+ 0.04	+ 0.06	- 0.33	+ 0.27	- 0.93	+ 0.51	+ 0.58	- 2.75	- 0.31
6095	- 0.02	- 0.03	- 0.29	- 4.80	+ 0.87	- 0.31	+ 0.33	+ 1.23	- 0.75	- 1.27
6096	+ 0.01	- 0.10	- 0.23	- 0.72	+ 0.16	- 0.63	+ 0.57	+ 0.95	- 2.13	- 0.82
6098	- 0.81	+ 0.49	+ 0.83	- 2.11	- 1.27	+ 0.67	- 0.50	- 0.91	- 0.40	+ 1.51
3901	- 0.36	+ 0.25	+ 0.33	+ 0.34	- 0.90	- 0.12	+ 0.09	+ 0.12	- 0.18	- 0.16
6099	- 0.18	+ 0.42	+ 1.22	+ 0.46	- 0.69	+ 0.25	- 0.16	- 0.31	+ 2.48	+ 0.20
3902	+ 0.10	- 0.06	- 0.06	- 0.21	+ 0.23	- 0.51	+ 0.14	+ 0.22	- 2.27	- 0.27
6101	- 0.09	- 0.02	- 0.05	- 1.39	+ 0.04	+ 0.38	- 0.09	- 0.19	+ 1.09	+ 0.69
6102	- 0.82	+ 0.12	+ 0.19	- 1.81	- 1.18	- 1.04	+ 0.12	+ 0.18	- 3.76	- 0.92
3903	+ 1.57	- 0.18	- 0.32	+ 9.31	+ 1.32	- 0.95	+ 0.06	+ 0.13	- 4.49	- 1.11
3904	+ 0.35	- 0.06	- 0.11	- 1.08	+ 1.41	+ 0.54	- 0.11	- 0.22	- 1.56	+ 1.89
3905	+ 1.40	- 0.39	- 0.47	+ 1.40	+ 1.83	+ 0.79	- 0.29	- 0.33	+ 2.26	+ 0.55
6104	+ 0.20	- 0.25	- 0.61	+ 0.33	+ 0.51	+ 0.36	- 0.22	- 0.57	+ 1.90	+ 0.88
6105	- 0.41	+ 0.60	+ 0.89	- 5.03	- 0.09	+ 0.33	+ 0.05	+ 0.08	+10.96	- 1.01
3907	- 0.32	+ 0.13	+ 0.25	- 3.62	+ 0.35	+ 0.15	- 0.02	- 0.05	- 2.52	+ 1.27
6106	+ 0.71	- 0.29	- 0.61	+ 5.78	+ 0.59	+ 0.32	- 0.16	- 0.32	- 2.90	+ 1.33
6107	+ 0.15	- 0.04	- 0.11	+ 1.96	+ 0.02	+ 1.40	- 0.17	- 0.42	+ 3.01	+ 3.73
3908	+ 0.25	- 0.94	- 1.64	+ 1.26	+ 0.19	+ 0.24	- 0.34	- 0.50	+ 0.64	+ 0.30
3909	+ 0.07	+ 0.03	+ 0.05	- 0.61	+ 0.42	+ 1.34	- 0.45	- 0.53	+ 0.33	+ 2.16
3910	- 0.03	+ 0.00	+ 0.01	+ 0.20	- 0.16	- 0.31	+ 0.06	+ 0.10	- 2.63	+ 0.23
3911	+ 1.76	- 0.16	- 0.29	+ 1.13	+ 4.16	- 1.66	+ 0.18	+ 0.31	- 6.73	- 1.79
6108	- 0.08	+ 0.00	+ 0.01	- 2.00	+ 0.27	- 0.30	+ 0.05	+ 0.11	- 3.81	- 0.05
3912	- 0.09	+ 0.10	+ 0.18	- 0.50	- 0.01	+ 0.45	- 0.35	- 0.60	+ 0.30	+ 0.96
6109	- 0.30	+ 0.88	+ 1.27	- 0.46	- 0.44	- 0.65	+ 1.02	+ 1.27	- 0.42	- 0.88
6110	+ 0.08	- 0.01	- 0.02	+ 2.37	- 0.39	- 0.11	+ 0.05	+ 0.07	+ 1.21	- 0.39
3913	- 0.27	+ 0.10	+ 0.13	- 2.90	+ 1.06	+ 0.10	- 0.11	- 0.12	- 0.93	+ 0.51
3914	- 0.49	+ 0.21	+ 0.30	- 0.60	- 0.78	+ 0.03	+ 0.02	+ 0.03	- 0.15	+ 0.13
6111	- 0.14	+ 0.04	+ 0.13	- 0.59	- 0.59	- 0.20	+ 0.03	+ 0.16	+ 2.44	- 1.52
6112	- 0.13	+ 0.12	+ 0.21	+ 0.25	- 0.38	- 0.57	+ 0.25	+ 0.40	- 1.62	- 0.76
3915	+ 0.47	- 0.06	- 0.20	+ 1.66	+ 1.90	+ 0.27	- 0.02	- 0.11	+ 1.50	+ 1.36

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^{0(GC)H}$	0F	TH	
3888	0.51	0.59	0.70	1.03	0.65	0.59	0.64	0.78	1.24	0.78	1.29	0.78	1.68	1.37	1.25	
3887	0.93	0.50	0.51	1.76	1.09	0.92	0.43	0.43	1.85	1.08	1.47	1.36	3.23	1.92	0.45	
6083	1.13	0.86	0.94	2.99	1.60	1.09	0.72	0.77	3.02	1.53	1.12	1.00	1.21	0.57	0.77	
3889	0.55	0.55	0.59	1.01	0.67	0.60	0.46	0.48	1.22	0.73	1.28	0.48	0.96	1.00	0.98	t
6084	1.23	0.65	0.68	3.65	1.80	1.28	0.72	0.75	3.53	1.96	2.03	2.28	1.28	1.14	1.35	
3890	0.54	0.84	0.90	1.08	0.58	0.63	0.63	0.65	1.52	0.68	1.35	1.84	0.84	0.51	0.32	
3891	0.84	0.65	0.68	1.77	0.99	1.06	0.47	0.48	2.31	1.40	1.87	0.89	0.46	2.23	0.74	t
6085	1.05	0.78	0.85	2.63	1.51	0.97	0.67	0.72	2.72	1.29	1.85	1.25	1.32	1.62	1.53	
3893	0.64	0.47	0.51	1.61	0.94	0.78	0.47	0.50	2.63	1.32	5.00	0.81	1.15	4.23	1.31	t
3892	1.34	0.44	0.45	3.71	2.04	1.44	0.52	0.53	4.11	2.34	2.10	0.96	1.46	1.82	0.93	
6087	1.02	1.07	1.44	3.34	1.35	0.98	0.85	0.98	3.41	1.50	1.78	1.85		1.07	1.17	
3894	0.82	0.59	0.64	2.20	1.27	0.89	0.49	0.52	2.41	1.71	1.03	1.27	1.87	0.78	1.18	t
6088	0.87	1.14	1.28	2.20	0.99	0.80	0.74	0.78	2.32	0.87	1.40	0.92	2.61	1.91	0.16	
6089	0.85	0.81	0.93	2.83	1.04	0.87	0.55	0.59	3.01	1.15	1.58	0.39		0.40	0.54	
6090	0.84	1.04	1.25	2.84	0.95	0.88	0.66	0.70	2.92	1.08	1.12	3.85		3.33	0.45	
6091	0.74	0.78	1.00	2.85	0.93	0.76	0.62	0.70	3.02	1.10	0.86	2.54		2.44	0.45	
6092	1.14	0.77	0.83	3.29	1.73	1.11	0.72	0.77	3.23	1.69	0.58	3.90	1.86	1.89	1.50	
6093	0.84	0.79	0.95	2.86	1.13	0.85	0.63	0.70	2.91	1.26	0.67	1.34		1.61	0.99	
6094	0.74	0.96	1.08	2.66	0.79	0.76	0.70	0.74	2.72	0.84	1.48	1.67	1.03	1.73	1.11	t
3897	0.56	0.41	0.42	1.10	0.62	0.70	0.56	0.59	1.53	0.83	2.49	1.02	2.00	2.28	2.12	t
3899	0.64	0.63	0.65	1.12	0.69	0.76	0.58	0.59	1.43	0.89	2.17	0.89	0.94	1.52	1.32	
6095	0.73	0.94	1.60	2.02	0.86	0.79	0.79	1.00	2.42	1.08	1.77	1.93		2.59	0.97	
6096	0.73	1.08	1.35	2.00	0.82	0.85	0.81	0.90	2.22	1.06	1.29	1.30		0.67	1.15	
6098	0.92	0.71	0.77	3.07	1.12	0.98	0.82	0.90	3.13	1.22	2.17	0.94		0.62	0.89	
3901	0.77	0.59	0.62	1.46	0.97	0.82	0.44	0.45	1.62	1.07	0.18	1.08	0.67	0.71	1.05	t
6099	0.80	1.05	1.54	2.31	0.95	0.92	0.97	1.27	2.62	1.20	1.19	1.03		0.92	0.31	
3902	0.57	0.61	0.68	1.36	0.67	0.69	0.44	0.47	1.62	0.91	1.48	0.60	0.48	1.12	0.80	t
6101	0.85	0.62	0.68	2.96	1.18	0.79	0.50	0.54	2.72	1.09	0.72	0.64		0.47	1.42	
6102	1.58	0.65	0.66	4.09	2.17	1.54	0.56	0.57	3.77	2.12	1.14	0.78	0.75	0.67	0.95	
3903	1.47	0.60	0.61	4.35	2.06	1.63	0.49	0.50	4.41	2.68	2.42	0.89	0.96	1.79	1.20	
3904	0.88	0.45	0.47	2.23	1.36	0.86	0.49	0.51	2.32	1.28	0.71	1.88	1.41	1.61	0.18	
3905	1.00	0.54	0.55	2.08	1.19	0.86	0.53	0.54	1.94	0.97	1.56	1.93	0.71	0.81	3.67	
6104	0.80	0.75	0.88	3.42	0.99	0.93	0.71	0.80	3.81	1.30	1.20	0.68		0.26	0.96	
6105	0.69	0.82	0.92	2.28	0.76	0.85	0.39	0.40	2.82	1.03	4.56	1.23	2.00	4.49	0.25	
3907	0.71	0.53	0.57	1.77	0.99	0.92	0.49	0.51	3.12	1.64	2.22	0.77	0.24	2.23	0.99	
6106	1.07	0.73	0.79	3.22	1.50	0.98	0.54	0.57	3.02	1.33	1.30	2.12		1.95	0.45	
6107	1.28	0.70	0.73	4.19	2.11	1.26	0.61	0.63	4.14	2.07	0.95	1.92	2.28	0.44	0.80	
3908	0.52	0.83	1.01	1.09	0.60	0.56	0.60	0.66	1.42	0.65	2.07	1.76	2.83	0.88	0.09	t
3909	0.69	0.49	0.50	1.23	0.80	0.89	0.51	0.52	1.74	1.07	0.68	2.31	0.59	1.14	0.84	t
3910	0.91	0.52	0.54	2.05	1.28	0.88	0.46	0.48	2.12	1.20	1.26	0.16	1.59	1.18	0.97	
3911	1.27	0.55	0.56	3.18	1.92	1.22	0.56	0.58	3.22	1.75	2.20	2.51	2.09	1.57	0.44	
6108	1.07	0.91	1.04	3.22	1.61	0.93	0.51	0.54	3.12	1.46	1.38	0.17	0.22	1.26	0.34	
3912	0.75	0.85	1.00	1.52	0.98	0.76	0.69	0.76	1.71	1.00	0.61	1.25	2.22	0.43	0.91	t
6109	0.92	1.34	1.52	2.43	1.01	0.83	0.95	1.01	2.42	0.89	0.88	1.83	2.45	0.18	0.55	
6110	1.00	0.79	0.85	2.65	1.23	0.94	0.75	0.80	2.72	1.12	0.39	0.94		1.09	0.94	
3913	0.54	0.59	0.61	0.96	0.63	0.57	0.54	0.56	1.12	0.65	2.71	1.23	1.05	3.62	0.78	
3914	0.91	0.59	0.62	2.43	1.07	1.21	0.50	0.51	3.01	1.91	0.36	0.88	0.87	0.10	0.82	t
6111	0.73	0.53	0.58	3.49	1.22	0.78	0.55	0.59	3.94	1.50	0.61	1.18	1.09	0.94	0.69	t
6112	1.20	1.09	1.22	3.13	1.53	1.14	0.81	0.86	3.11	1.44	0.63	0.75	1.66	0.31	0.08	
3915	1.12	0.59	0.61	3.97	2.21	1.18	0.59	0.60	4.41	2.79	0.59	1.05	0.32	0.06	0.24	

1	2	3	4	5	6	7	8
FK6 No.	HIP No.	Ext.	Name	α (SI) 2000 h m s	δ (SI) 2000 ° ′ ″	μ_{α^*} (SI) 2000 [mas/yr]	μ_{δ} (SI) 2000 [mas/yr]
3917	117655	BX		23 51 39.381116	- 34 41 29.73450	+ 76.04	- 26.96
6113	117672	FX		23 51 50.853397	+ 42 54 35.36597	- 12.70	- 6.62
6114	117678	FX		23 51 55.112911	- 33 7 19.28936	+ 66.84	+ 0.57
3919	117681	BX		23 51 57.636529	+ 77 35 57.75540	+ 265.43	- 91.76
3918	117683	BX	22 Psc	23 51 57.839396	+ 2 55 49.38786	+ 15.69	- 13.94
3997	117689	BX	γ^1 Oct	23 52 6.489455	- 82 1 7.74071	- 48.65	- 20.24
6116	117757	FX		23 52 51.530086	- 56 46 25.28936	- 5.33	+ 7.10
6117	117777	FX		23 53 7.033757	- 6 38 59.71157	+ 1.45	- 13.89
6119	117881	FX		23 54 38.656392	- 1 56 46.44297	- 8.59	- 12.90
3920	117887	BX		23 54 46.623164	+ 0 6 33.51062	- 41.26	- 14.72
6120	117924	FX		23 55 6.978551	- 8 26 29.26929	- 14.36	+ 2.20
6121	117945	FX		23 55 25.875370	+ 35 57 19.17194	- 18.09	- 10.71
3922	118029	RS		23 56 29.946892	- 24 44 13.98478	+ 4.95	+ 9.90
6122	118036	FX		23 56 33.619692	+ 53 57 36.60742	+ 0.80	- 0.89
3923	118071	RS		23 57 3.632321	+ 42 39 29.63849	+ 5.54	- 1.99
3924	118092	RS		23 57 19.889932	- 62 57 23.70019	+ 85.58	+ 11.74
6123	118125	FX		23 57 36.579210	+ 20 19 49.32951	+ 12.52	+ 2.77
3925	118178	BX	1 Cet	23 58 21.225140	- 15 50 50.93952	+ 83.83	- 7.72
3926	118197	BX		23 58 31.082942	- 57 16 51.00837	+ 22.89	- 15.63
6124	118198	FX		23 58 31.280389	- 24 10 9.69827	+ 25.75	+ 5.36
3927	118224	RS		23 58 49.236132	+ 32 22 54.13668	+ 1.27	- 2.51
6125	118320	FX		23 59 54.266801	+ 5 57 23.59005	+ 22.21	- 35.00

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
FK6 No.	T_α (SI)	$\varepsilon_{\alpha*}$ (SI) [mas]	$\varepsilon_{\mu,\alpha*}$ (SI) [mas/yr]	T_δ (SI)	ε_δ (SI) [mas]	$\varepsilon_{\mu,\delta}$ (SI) [mas/yr]	p_{res} [mas]	$\varepsilon_{p,res}$ [mas]	K_p	v_{rad} [km/s]	m_V	K_m	K_{bin}	$K_{\Delta\mu}$	K_{ae}
3917	91.59	0.63	0.64	91.65	0.43	0.40	4.91	0.80	H		6.70		11	1	3
6113	91.17	0.45	0.40	91.19	0.48	0.42	3.77	0.74	H		6.82		11	1	3
6114	91.56	0.58	0.62	91.57	0.49	0.40	8.03	0.77	H		7.06		11	1	3
3919	91.25	0.45	0.43	91.29	0.43	0.42	25.48	0.52	H	+ 1.9	6.56		19	1	1
3918	91.45	0.80	0.44	91.61	0.37	0.31	3.04	0.70	P	+ 0.4	5.59		11	1	3
3997	91.29	0.40	0.41	91.36	0.41	0.38	12.20	0.48	H	+ 14.5	5.10		21	2	
6116	91.13	0.61	0.69	91.12	0.78	0.75	9.61	1.19	H		8.68		11	1	3
6117	91.38	0.97	0.68	91.24	0.78	0.72	2.32	1.19	H		8.38		35		
6119	91.35	0.92	0.60	91.60	0.47	0.36	2.98	0.97	H		7.58		31		
3920	90.92	0.78	0.53	91.47	0.40	0.35	5.07	0.86	H	- 2.4	5.78	2	33		
6120	91.35	1.05	0.99	91.37	0.85	0.83	4.46	1.22	H		9.29		11	1	3
6121	91.26	0.74	0.71	91.08	0.54	0.58	2.87	0.86	H		8.23	2	11	1	3
3922	91.16	0.77	0.93	91.25	0.47	0.55	6.49	0.78	H	- 35.3	6.31		11	1	3
6122	91.21	0.51	0.54	91.24	0.58	0.57	3.99	0.89	H	- 34.	7.69	1	13		
3923	91.16	0.42	0.38	91.03	0.44	0.46	2.26	0.73	H	- 7.2	6.01		19	1	1
3924	91.26	0.41	0.44	91.20	0.41	0.40	15.91	0.54	H	- 13.	5.95		21	2	
6123	91.41	0.73	0.61	91.52	0.58	0.50	3.55	1.00	H		7.88		11	1	3
3925	91.12	0.87	0.58	91.60	0.55	0.47	6.71	1.08	H	+ 4.3	6.28		19	1	1
3926	91.13	0.45	0.50	91.29	0.50	0.51	5.38	0.73	H		6.69		31		
6124	91.10	0.95	0.96	91.54	0.50	0.46	6.53	1.00	H	+ 5.5	7.98		11	1	3
3927	90.98	0.63	0.63	91.29	0.47	0.45	2.69	0.62	P	- 5.9	6.53	1	11	1	3
6125	91.42	0.93	0.56	91.39	0.52	0.46	5.00	1.01	H		7.59		11	1	3

	24	25	26	27	28	29	30	31	32	33
FK6 No.	$\Delta\mu_{\alpha^*}$ [mas/yr] ²⁰⁰⁰					$\Delta\mu_{\delta}$ [mas/yr] ²⁰⁰⁰				
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0
3917	- 0.04	- 0.02	- 0.04	- 0.88	+ 0.25	- 0.91	+ 0.09	+ 0.18	- 1.40	- 1.97
6113	- 0.33	+ 0.11	+ 0.16	- 1.06	- 0.42	+ 0.55	- 0.21	- 0.32	+ 2.44	+ 0.68
6114	+ 0.30	- 0.09	- 0.16	+ 0.82	+ 0.42	- 1.14	+ 0.15	+ 0.23	- 4.23	- 0.98
3919	+ 1.44	- 0.59	- 0.66	+ 1.77	+ 1.59	+ 0.36	+ 0.06	+ 0.06	+ 1.21	+ 0.13
3918	+ 0.07	- 0.49	- 1.00	+ 1.88	- 0.33	+ 0.45	- 0.29	- 0.48	+ 0.01	+ 0.77
3997	+ 0.84	- 0.35	- 0.42	+ 1.66	+ 0.83	+ 1.83	- 0.57	- 0.67	+ 1.47	+ 2.44
6116	+ 0.24	- 0.06	- 0.11	- 2.69	+ 1.20	+ 0.03	+ 0.00	+ 0.00	+ 1.49	- 0.33
6117	+ 0.13	- 0.51	- 2.07	+ 1.87	+ 0.33	+ 0.21	- 0.30	- 1.08	+ 5.15	- 0.16
6119	- 0.39	+ 0.98	+ 2.37	- 0.11	- 1.16	- 0.29	+ 0.21	+ 0.47	- 4.57	+ 0.17
3920	- 0.09	+ 0.18	+ 0.33	- 1.19	+ 0.27	- 0.06	+ 0.05	+ 0.09	- 2.90	+ 0.94
6120	- 0.12	+ 0.07	+ 0.23	+ 2.77	- 1.57	+ 0.22	- 0.06	- 0.19	+ 1.05	+ 0.56
6121	+ 0.57	- 0.51	- 1.37	+ 5.82	+ 0.98	- 0.39	+ 0.10	+ 0.20	+ 3.14	- 1.45
3922	- 0.59	+ 0.23	+ 0.60	- 5.09	- 0.60	- 0.20	+ 0.00	+ 0.00	+ 0.61	- 0.88
6122	- 0.36	+ 0.15	+ 0.28	- 2.90	- 0.44	- 0.98	+ 0.39	+ 0.76	- 0.19	- 2.15
3923	+ 0.34	- 0.19	- 0.33	+ 0.48	+ 0.63	+ 0.71	- 0.15	- 0.39	+ 1.19	+ 2.19
3924	- 2.66	+ 0.47	+ 0.60	- 2.04	- 4.11	+ 0.81	- 0.11	- 0.14	+ 7.94	- 1.17
6123	+ 0.47	- 0.15	- 0.27	- 0.28	+ 1.03	- 0.87	+ 0.18	+ 0.34	- 6.45	- 0.81
3925	+ 0.06	- 0.53	- 1.06	- 0.28	+ 0.29	+ 0.38	- 0.30	- 0.41	+ 2.06	+ 0.18
3926	+ 0.30	- 0.05	- 0.09	+ 0.49	+ 0.63	+ 1.33	- 0.29	- 0.52	+ 5.87	+ 1.26
6124	- 0.12	+ 0.16	+ 0.39	- 1.73	+ 0.07	+ 0.28	- 0.05	- 0.10	+ 5.56	- 0.70
3927	- 0.03	+ 0.01	+ 0.03	+ 0.09	- 0.13	- 0.45	+ 0.06	+ 0.16	- 3.95	- 0.32
6125	+ 0.49	- 0.78	- 1.29	- 1.53	+ 1.03	+ 0.08	- 0.15	- 0.26	+ 5.89	- 0.43

	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
FK6 No.	$\varepsilon_{\mu,\alpha^*}$ [mas/yr]					$\varepsilon_{\mu,\delta}$ [mas/yr]					F	F	F	F	F	Note
	LTP	STP	HIP	FK5	μ_0	LTP	STP	HIP	FK5	μ_0	F^H	0H	${}^0(GC)H$	0F	TH	
3917	0.98	0.70	0.76	2.36	1.40	1.00	0.41	0.42	2.61	1.57	0.69	1.33	1.55	0.45	1.78	
6113	0.65	0.46	0.48	2.26	0.78	0.68	0.47	0.50	2.53	0.83	1.20	1.23	0.90	0.71	1.11	
6114	1.12	0.66	0.69	2.56	1.62	1.01	0.42	0.43	2.52	1.37	1.78	0.90	1.04	1.14	0.66	
3919	0.82	0.50	0.51	1.45	0.96	1.21	0.44	0.45	2.54	1.55	1.64	2.08	1.69	0.38	1.86	t
3918	0.49	0.75	0.95	1.09	0.58	0.52	0.38	0.42	1.42	0.63	2.00	1.67	1.39	1.86	1.01	
3997	0.76	0.47	0.48	1.70	0.88	0.76	0.42	0.43	1.57	0.91	1.77	3.31	6.60	0.69	0.81	t
6116	1.24	0.74	0.78	3.49	1.71	1.22	0.82	0.87	3.33	1.65	0.84	0.72	1.86	1.11	1.02	
6117	0.71	0.95	1.46	2.14	0.83	0.81	0.84	1.07	2.42	1.07	1.50	2.75		2.12	0.57	t
6119	0.66	0.84	1.09	1.72	0.79	0.65	0.40	0.43	2.03	0.84	2.62	2.68		2.23	2.29	
3920	0.61	0.85	1.02	1.23	0.74	0.66	0.42	0.45	1.42	0.83	2.15	0.93	1.00	2.55	0.55	t
6120	1.22	1.07	1.24	3.16	1.90	1.21	0.87	0.94	3.21	2.11	0.86	0.83		1.18	1.33	
6121	0.84	0.83	1.00	3.08	1.08	0.84	0.62	0.68	3.22	1.19	2.04	2.39		2.00	0.62	
3922	1.30	1.00	1.10	3.82	1.93	1.29	0.56	0.57	3.91	2.25	1.44	0.66	1.32	1.10	0.65	
6122	0.83	0.60	0.64	3.22	1.05	0.87	0.62	0.67	3.43	1.13	2.29	1.01		0.91	1.10	t
3923	0.56	0.44	0.47	1.14	0.78	0.78	0.47	0.50	2.02	1.35	1.00	2.07	0.73	0.43	0.62	t
3924	1.08	0.47	0.48	2.28	1.37	1.07	0.41	0.42	2.42	1.33	3.47	3.33	4.19	3.38	2.91	
6123	0.81	0.71	0.81	2.71	1.03	0.83	0.55	0.60	2.72	1.12	1.44	2.44		1.97	0.79	
3925	0.62	1.16	1.55	1.33	0.70	0.67	0.59	0.63	1.72	0.76	1.40	0.98	0.17	1.07	0.71	t
3926	1.03	0.52	0.54	2.70	1.56	0.96	0.54	0.56	2.42	1.36	2.58	1.29	1.26	1.66	1.21	
6124	1.13	1.17	1.41	2.91	1.49	1.12	0.48	0.50	3.31	1.63	0.39	1.80		1.78	0.74	
3927	0.87	0.67	0.74	2.67	1.31	0.87	0.46	0.48	2.61	1.52	1.55	0.32	1.39	1.20	1.91	t
6125	0.67	0.78	0.89	2.58	0.75	0.80	0.51	0.54	3.02	0.98	2.02	2.01		2.21	1.04	t

Tabular Notes to Part III of the FK6 Catalogue

Field FK : FK number (See the description of Field 1 of the FK6(III).)

Field HIP : HIPPARCOS number (See the description of Field 2 of the FK6(III).)

Field Tabular Note :

Columns H to V : Indicators for binarity

Column H :

HIPPARCOS indicators for a suspected visual binary:

s = Flag S in HIP Field H61

d = Flag D in HIP Field H52, based on photometry. This could be an indication of duplicity.

t = HIP Flags S and D ($t = s+d$).

Column U :

HIPPARCOS percentage of rejected data (HIP Field H29, $F1$):

percentage of rejected HIP data

(one digit: 0, 1, 2, ... percent)

A high percentage of rejected data may be caused by a duplicity of the object, but other reasons cannot be excluded.

Column F :

HIPPARCOS goodness-of-fit parameter (HIP Field H30, $F2$):

– $F2 < 0$

0 $0 \leq F2 < 1$

1 $1 \leq F2 < 2$

2 $2 \leq F2 < 3$

3 $3 \leq F2 < 4$

4 $4 \leq F2 < 5$

etc.

A large value of $F2$ (e.g. larger than 3) may be caused by a duplicity of the object, but other reasons cannot be excluded.

Column K :

Indications on binarity provided by the catalogue of speckle observations (Hartkopf et al. 1999).

b = binary resolved by speckle (or other interferometric) observations
(such objects are generally excluded from the FK6(III))

u = possibly resolved

n = object observed, but not resolved (i.e. not hint to binarity)

Column C :

Indicator for a star which has one (or more) visual component(s) with a separation ρ of at least 60".

Source of information:

c = CCDM (Dommanget and Nys 1994)

t = TYCHO2 (Hoeg et al. 2000)

w = WDS (Worley and Douglass 1997, and updated versions under the given URL)

r = other sources

Visual binaries with $\rho < 60''$ are generally excluded from the FK6(III).

Column G :

Indications on binarity provided by the General Catalogue of Stellar Radial Velocities (GCRV, Wilson 1953):

- v = radial velocity is variable
- u = radial velocity may be variable
- 2 = variable radial velocities for two stellar components
- b = (other) indications of binarity
- d = (other) indications of binarity are doubtful

Column B :

Indications on binarity provided by the Bright Star Catalogue (BSC, Hoffleit and Jaschek 1982).

The symbols v, u, 2, b, d have the same meaning as explained for Column G.

Column S :

Indications on binarity provided by the radial-velocity bibliography given in the data block 'oRV' of SIMBAD (CDS Strasbourg).

The symbols v, u, 2, b, d have the same meaning as explained for Column G.

Column T :

Indications on binarity provided by the spectral-type bibliography given in the data block 'MK' of SIMBAD (CDS Strasbourg).

- b = binary
- u = possibly a binary

Column A :

Indications on binarity provided by the Third Bibliographic Catalogue of Stellar Radial Velocities (Barbier-Brossat et al. 1994).

The symbols v, u, 2, b, d have the same meaning as explained for Column G.

Column M :

Indications on binarity provided by the Fourth Bibliographic Catalogue of Stellar Radial Velocities (Malaroda et al. 2000).

- The symbols v, u, 2, b, d have the same meaning as explained for Column G.
- f = probably erroneous indication on binarity

Column L :

Indications on binarity from additional literature (e.g. from papers more recent than those used for Column M).

- The symbols v, u, 2, b, d have the same meaning as explained for Column G.
- c = radial velocity is probably constant

Column V :

Indications on binarity from photometric variability.

- a = eclipsing binary, Algol type
- b = eclipsing binary, β Lyrae type
- e = eclipsing binary, type uncertain
- w = eclipsing binary, W Ursae Majoris type

Column P :

Indicator for a variability of the radial velocity v_{rad} due to stellar pulsation (which may be confused with a variability of v_{rad} due to spectroscopic binarity).

- c = Cepheid
- s = δ Scuti star
- b = β Cephei star

Column I :

i = an individual note on this star is given in the 'Individual Notes' of the FK6(III)

Field Indiv. Note :

Number of the individual note

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
3928	43	.	20	n	.	.	.	
3929	106	.	10	n	.	.	.	
4002	179	.	00	t	.	.	.	
3933	194	.	41	n	.	u	.	
4005	249	.	4-	.	.	.	.
2001	355	.	0-	.	.	vv	.	
2004	476	.	0-	n	.	.	.	
2005	531	.	0-	n	.	v	.	
4014	599	.	1-	t	.	.	.	
2010	1086	.	0-	n	.	.	.	
2012	1123	.	01	n	.	.	.	
4025	1131	s	0-	.	.	.	.
4027	1272	.	0-	t	.	.	.	
2014	1288	.	2-	c	.	.	f	
4028	1315	.	01	.	.	.	f	
4029	1325	s	01	.	.	.	.
2016	1372	.	1-	n	.	u	.	
4035	1556	d	0-	.	.	.	.
4038	1662	.	01	.	.	.	f	
4042	2020	.	0-	t	.	.	.	
4044	2140	.	4-	.	.	.	.
2023	2142	.	0-	.	v	v	.	
2026	2210	s	2-	.	.	.	.
2028	2235	.	00	.	.	v	.	
2035	2629	.	0-	.	.	.	s	
4050	2733	d	0-	.	.	.	.
2036	2787	.	0-	.	v	.	.	
2039	2903	.	40	.	vv	b	v	
4054	2917	d	2-	.	.	.	.
4055	2927	.	42	.	.	.	.
2040	2954	.	00	.	.	v	.	
3941	3132	.	0-	.	v	.	.	
2042	3193	.	00	c	.	v	.	
4061	3368	.	00	.	.	.	f	
4062	3438	d	40	.	.	.	.
4065	3506	.	0-	.	.	.	f	
4068	3649	.	00	t	.	v	.	
2050	3675	.	63	.	.	.	.
2051	3685	.	0-	.	u	.	.	
2052	3788	.	00	t	.	.	.	
4069	3798	d	0-	.	.	.	.
2056	3949	.	00	.	.	.	s	
2057	4200	s	1-	.	.	.	.
4081	4326	d	0-	.	.	.	f	
2058	4346	.	0-	.	v	.	.	
4082	4355	.	00	.	.	.	f	
2063	4709	.	01	.	v	.	.	
4094	4726	s	0-	.	.	.	.
4096	4744	.	0-	.	.	b	.	
2068	5204	.	0-	.	v	.	.	

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
2072	5319	.	0-	.	v	b	v	
4104	5344	.	0-	t	.	.	.	
4105	5431	.	4-	.	.	.	.
2076	5472	.	01	.	.	.	f	
2074	5518	.	30	.	v	.	.	
2078	5589	.	21	.	v	.	.	
2080	5665	.	02	.	.	.	f	
2084	5833	.	00	c	.	v	.	
4112	5916	.	1-	.	.	.	b	
2085	5939	.	00	.	u	.	.	
2089	6315	.	01	.	u	.	.	
2091	6432	.	01	.	v	.	.	
2094	6487	s	00	.	.	.	.
4134	6699	.	00	.	.	.	f	
2098	6971	.	0-	.	.	.	f	
2099	7007	.	0-	c	vv	.	c	i
4141	7283	d	02	.	.	.	.	3001
4142	7323	.	00	.	.	.	a	
2102	7399	.	0-	t	.	.	.	
2104	7450	.	0-	.	v	.	.	
2108	7617	.	0-	.	u	.	.	
2113	7679	.	20	.	vv	.	.	
4155	8118	.	1-	t	.	.	.	
2117	8230	.	00	.	u	.	.	
2121	8404	.	0-	.	u	.	.	
2120	8433	.	00	.	v	.	.	
2123	8593	.	1-	.	.	.	s	
2125	8778	.	00	.	.	.	s	
2128	8883	s	30	.	.	.	.
4175	9068	.	00	t	.	.	.	
4178	9171	s	00	.	.	.	.
2136	9295	.	01	.	uv	.	.	
2144	9472	s	0-	.	.	.	.
2141	9572	.	00	.	v	.	.	
2143	9622	.	0-	.	u	.	.	
4190	9812	s	0-	.	.	.	.
4197	9956	s	0-	.	.	.	.
2145	9977	d	01	n	.	vvu	.	
3943	10054	.	0-	.	v	.	.	
2148	10220	.	0-	.	v2v	b	.	
2149	10350	.	20	.	v	.	.	
2155	10446	.	0-	.	v	v	.	
4213	10734	.	0-	c	.	.	.	
4216	10854	.	40	.	.	.	.
4219	11028	d	01	.	.	.	.
2160	11046	.	21	.	vv	.	.	
4222	11123	.	1-	t	.	.	.	
2164	11249	.	0-	.	vb	b	.	
2166	11360	.	0-	t	.	.	.	
2167	11381	.	02	.	v	.	.	

FK6 No.	HIP No.	Tabular Note					Indiv. Note
		H	UF	KC	GBST	AML VPI	
2168	11477	.	1-	.	vv	.	
2172	11678	.	00	.	v	.	
2174	11978	s	0-	.		.	
4234	11986	d	0-	.		.	
4235	11993	.	23	.		.	
4236	11995	.	42	.		.	
4237	12048	.	0-	.		.	3002
4242	12309	.	20	t	.	.	
2188	12692	.	00	.		u	.
2191	12876	.	0-	.	u	.	.
4255	13064	s	2-	.		.	
4260	13223	.	40	.		.	
2194	13254	.	00	nc	.	.	
2198	13328	.	00	n	.	.	
2197	13339	.	00	t	u	.	.
2200	13473	.	01	.	vv	.	.
2202	13518	.	1-	t	.	.	.
2206	13756	s	01	n	.	.	.
2205	13775	.	00	n	v	v	.
2207	13879	.	00	.	vbu	.	.
2212	13884	.	01	.	uv	.	.
2211	13947	.	01	.		u	.
2209	13951	.	00	.	vv	.	.
4273	13973	d	00	.		.	.
2215	14086	.	00	.	v	.	.
2214	14109	.	0-	.	v	.	.
2216	14110	.	21	.	u	.	.
2218	14315	.	31	.	u	.	.
4280	14336	.	4-	.		.	.
2217	14382	.	01	.	v	u	.
2220	14439	.	20	.	v	.	.
4285	14586	.	2-	.	u	.	.
4289	14674	s	0-	.		.	.
4293	14833	.	01	.	v	v	.
2222	14862	.	0-	.	v	.	.
4297	15096	.	60	.		.	.
2229	15147	.	00	t		u	.
2230	15334	.	0-	.	uvu	.	.
4302	15375	.	00	t	.	.	.
4303	15392	s	01	.		.	.
2236	15648	.	00	.	uvu	.	.
2237	15700	.	00	.	vv	.	.
2240	15861	.	00	t	u	.	.
2243	15968	.	3-	.	vv	.	.
2253	16409	.	51	.		.	.
2249	16499	.	4-	.		.	.
2256	16531	d	1-	.		.	.
4327	16962	.	0-	t	.	.	.
4334	17211	.	03	.		.	.
2263	17309	.	0-	.	vvv	.	.

FK6 No.	HIP No.	Tabular Note					Indiv. Note
		H	UF	KC	GBST	AML VPI	
2266	17475	.	0-	.	v	.	
4343	17565	s	00	.		.	
4349	18057	.	0-	t	.	.	
2278	18213	.	00	.	u	.	
2279	18396	.	20	.	vv	.	
2284	18455	.	00	.		.	s
4359	18468	s	0-	.		.	
2283	18471	.	01	.	v	.	
2281	18505	.	30	.	v	.	
2288	18735	.	0-	nc	v2vb	b	.
4363	18872	s	20	.		.	
2285	18913	.	1-	t	.	.	
2292	18993	.	01	.		u	.
2290	19018	.	0-	t	.	.	
4367	19036	t	0-	.		.	
2291	19129	.	00	.	v	u	.
2295	19205	.	02	n	v	.	.
2296	19298	.	21	c	.	.	.
2298	19376	.	01	.	v	b	.
3947	19454	.	11	.	v	.	.
4377	19469	.	41	.		.	.
2300	19525	.	30	.	v	.	.
2301	19554	.	00	nc	uv	v	j
2305	19725	.	4-	.		.	.
4386	19764	s	3-	.		.	.
4389	19855	.	00	c	.	.	.
4391	19894	.	01	t	.	.	.
2310	19949	.	51	.	vvv	.	.
2316	20234	.	0-	.	vv	b	.
2320	20268	.	00	.	v	.	.
2322	20271	.	0-	.	u	.	.
2312	20330	.	00	.	v	.	.
2317	20376	.	0-	.	u	.	.
4400	20424	d	0-	.		.	.
2323	20465	.	10	.		v	.
2325	20704	.	0-	.	v	.	.
2326	20711	.	00	nc	vbb	.	.
2327	20715	.	0-	.		b	bi
2321	20776	.	01	.	v	.	.
2330	20901	.	0-	n	u	.	.
2332	20922	.	00	.		b	.
2337	21296	.	0-	.	v	.	.
2336	21452	.	10	.	v	.	.
2339	21515	.	20	.	v	.	.
2344	21670	.	00	nc	vv	.	.
2345	21683	.	01	nc	2vu	.	.
2343	21689	.	0-	.	v	.	.
2347	21823	.	31	.	v	.	.
2348	21847	.	01	n	u	.	.
4421	21882	.	20	c	.	.	.

FK6 No.	HIP No.	Tabular Note						Indiv. Note	
		H	UF	KC	GBST	AML	VPI		
2351	21914	.	42	.	.	.	.
4426	22008	.	42	.	.	.	.
2354	22040	.	0-	.	vv	.	.		
4430	22061	.	00	.	v	.	.		
4440	22364	.	11	.	t	.	.		
4442	22379	s	0-	.	.	.	.
2363	22439	.	01	n	.	.	.		
4444	22513	s	0-	.	.	.	.
2362	22626	s	31	.	c	v	.		
2372	22737	.	10	.	.	v	.		
4451	22787	.	0-	n	.	.	.		
3948	23265	.	1-	.	uv	.	.		
4463	23433	.	00	.	.	.	w		
4464	23455	.	00	.	t	.	.		
2388	23737	.	11	.	vv	.	.		
4469	23811	.	00	.	t	.	.		
2389	23840	s	11	.	.	.	.
2384	24017	.	4-	n	v	.	.		
2390	24162	.	0-	n	.	u	.		
3976	24256	.	02	.	2	2	.		
2393	24451	.	00	.	t	uv	.		
4482	24716	s	0-	.	.	.	.
2397	24914	.	0-	.	v	.	.		
4484	24921	t	01	.	.	.	.
2401	25041	.	00	.	vvb	v	j	3005	
2403	25098	.	0-	.	u	.	.		
4495	25180	.	1-	.	v	v	.		
2405	25194	s	10	.	.	.	.
2402	25197	.	00	.	c	vvv	.		
2406	25302	.	0-	.	c	vv	u	v	3006
2409	25486	.	00	n	u	.	.		
2404	25714	.	10	.	v	.	.		
2414	26093	.	01	.	vv	c	j	3007	
4504	26150	.	01	.	t	.	.		
2422	26169	s	00	n	.	.	.		
2415	26248	.	0-	.	vu	u	c	j	3008
2417	26315	.	01	n	v	.	.		
2420	26386	.	0-	.	vvvb	v	.		
2421	26395	.	00	.	.	u	.		
2423	26594	.	21	n	.	b	v	j	3009
4514	26651	.	0-	.	t	.	.		
2425	26712	.	00	.	.	u	.		
4516	26786	s	00	.	.	.	.
2429	26823	.	01	.	.	u	.		
2426	26882	.	2-	.	v	.	.		
2427	26885	.	3-	.	u	.	.		
4525	26959	s	01	.	.	.	.
4528	27075	.	00	.	.	u	.		
2431	27319	.	0-	.	t	.	.		
4533	27469	.	2-	.	.	.	a	.	

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
2440	27639	s	21	n	.	.	.	
2442	27658	.	02	.	v	.	.	
2449	27955	.	00	.	.	v	.	
4544	28356	.	00	.	t	.	.	
4552	28700	.	4-	.	.	.	.
2459	28831	.	11	.	t	.	.	
2466	28910	.	1-	n	vv	.	.	
4556	28969	.	01	.	v	.	.	
4558	28973	.	13	n	.	.	.	
2468	29034	.	0-	.	.	.	.
4561	29157	d	10	.	.	.	.
2472	29304	.	0-	.	v	.	.	
2473	29353	s	00	n	.	.	.	
2470	29451	.	01	.	u	.	.	
2477	29716	.	00	n	v	.	.	
2478	29739	.	01	.	vvv	.	.	
2479	29919	s	00	.	.	.	.
4571	29946	d	0-	.	.	.	.
2486	30104	.	1-	n	.	.	.	
4577	30332	.	0-	.	t	.	.	
4578	30430	.	0-	.	.	.	.
2490	30436	.	01	.	t	u	.	
2487	30497	.	01	.	t	.	.	
2492	30505	.	20	.	vv	.	.	
4581	30532	.	50	.	.	.	.
4583	30583	.	4-	.	t	.	.	
4585	30637	s	0-	.	t	.	.	
2493	30666	.	0-	n	vv	.	.	
2494	30815	.	3-	.	.	.	.
4591	30965	s	0-	.	.	.	.
2502	30973	.	0-	.	2	2	.	
2499	31037	.	0-	.	v	v	.	
2501	31099	s	0-	.	t	.	.	
2514	31314	.	40	.	.	.	.
2506	31362	.	11	.	vv	.	.	
4595	31368	.	01	.	v	b	.	
4597	31406	.	00	.	t	.	.	
2504	31434	.	02	n	.	.	.	
2505	31448	.	0-	.	v	.	.	
2509	31583	.	20	n	.	.	.	
4604	31787	.	01	.	v	.	.	
2516	32040	.	20	.	.	2	.	
2518	32311	.	00	.	.	u	.	
4614	32351	.	11	.	t	.	.	
2521	32474	.	00	.	vv	.	.	
2524	32531	.	00	.	.	v	.	
4621	32711	.	0-	.	t	.	.	
2525	32740	.	40	.	.	.	.
4622	32766	.	21	.	v	.	.	
2528	32782	.	00	.	u	.	.	

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
5013	56101	d	00	.	.	.	.
2917	56127	.	03	.	u	.	.	
2918	56146	.	02	.	vv	.	.	
5014	56160	s	00	.	.	.	.
2921	56318	.	3-	.	u	.	.	
2922	56319	s	0-	.	.	.	.
5018	56378	d	00	.	.	.	.
2923	56410	.	0-	.	vv	.	.	
2924	56445	.	01	n	u	.	.	
2926	56480	.	0-	n	vv	.	.	
2927	56553	.	0-	n	vvv	.	.	
2932	56779	s	01	.	u	.	.	
5026	56819	.	0-	.	.	u	.	
5029	56931	s	01	t	.	.	.	
2937	57013	.	00	.	vv	.	.	
5035	57016	.	41	.	.	.	.
5039	57204	d	02	.	.	.	.
5040	57264	s	0-	.	.	.	.
5042	57653	.	00	t	.	.	.	
2949	57971	d	40	.	.	.	.
2950	58082	.	2-	.	v	.	.	
2951	58110	.	0-	n	.	.	.	
2953	58181	.	01	n	.	.	.	
2954	58287	.	00	n	.	.	.	
2955	58327	.	40	.	.	.	.
5051	58339	.	11	t	.	.	.	
5052	58345	.	00	.	v	.	.	
2960	58510	.	01	n	u	.	.	
3957	58545	.	00	.	u	.	.	
5057	58650	.	60	.	.	.	.
2963	58654	.	1-	n	uv	u	.	
2967	59010	.	00	.	u	.	.	
5071	59100	.	0-	t	.	.	.	
5074	59197	.	00	t	.	.	.	
2973	59309	.	01	n	u	.	.	
5081	59482	.	02	t	.	.	.	
5082	59487	.	0-	t	.	.	.	
2977	59501	.	3-	n	v	.	.	
2978	59608	.	21	n	.	.	.	
2980	59746	.	21	n	u	.	.	
3958	59767	.	10	.	v	.	.	
2981	59819	.	0-	n	vvvu	b	.	
2982	59847	.	0-	n	.	.	.	
5088	59999	.	0-	t	.	.	.	
2984	60018	.	20	n	v	u	.	
2986	60044	.	10	.	vv	.	.	
2993	60467	.	3-	.	vvv	v	s	
2994	60485	.	1-	.	vv	.	.	
5094	60500	s	01	.	v	v	i	3012
2997	60697	.	0-	n	v	.	.	

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
5098	60790	d	01	.	.	.	.
5099	60791	.	00	.	v	.	.	
3000	60795	.	00	.	u	.	.	
3001	60813	.	00	.	vvv	.	.	
5100	60924	s	2-	n	.	.	.	
5102	60986	.	03	.	.	.	.
3003	61208	.	40	.	.	.	.
5108	61290	.	00	.	v	.	.	
5109	61459	.	40	.	.	.	.
3005	61468	.	01	n	.	.	.	
5111	61573	.	4-	.	.	.	.
3009	61658	s	01	n	u	.	.	
3010	61688	.	00	n	v	.	.	
3013	61748	.	21	.	u	.	.	
5119	62017	.	2-	.	.	u	.	
3015	62027	.	00	nt	vv	b	i	3013
3017	62170	.	01	.	vv	.	.	
5128	62189	s	30	.	.	.	.
3021	62523	.	22	n	v	.	.	
3022	62541	.	0-	n	u	.	.	
5136	62664	.	00	t	.	.	.	
3024	62867	.	20	t	vv	.	.	
3030	63024	s	2-	n	.	.	.	
3033	63109	.	00	n	.	.	.	
5149	63560	s	42	.	.	.	.
3041	63647	.	0-	n	u	.	.	
5151	63666	d	1-	.	.	.	.
5155	63751	.	00	t	.	.	.	
3045	64022	.	2-	.	u	.	.	
3046	64122	.	01	.	u	.	.	
5163	64162	.	01	t	.	.	.	
3050	64231	.	1-	nc	.	.	.	
5164	64391	s	0-	.	.	.	.
3051	64408	.	0-	.	u	c	i	3014
3057	64527	.	0-	.	vvv	.	.	
3058	64769	.	0-	.	.	.	s	
3060	64774	.	1-	n	v	.	.	
3063	64906	.	00	n	.	.	.	
3064	64979	.	20	c	.	.	.	
5177	65076	.	0-	t	.	.	.	
3072	65466	.	00	.	uvu	.	.	
3076	65790	.	1-	.	v	.	.	
3079	66006	s	01	n	v	.	.	
3083	66234	.	00	n	vv	.	.	
5198	66345	s	40	.	.	.	.
3085	66417	s	2-	n	v	.	.	
5202	66516	d	10	.	.	.	.
5205	66535	d	0-	.	.	.	.
3087	66738	s	12	n	.	.	.	
3088	66798	.	01	n	vv	.	.	

FK6 No.	HIP No.	Tabular Note					Indiv. Note
		H	UF	KC	GBST	AML VPI	
3090	66903	.	1-	.	u	.	
5215	67004	.	0-	n	v v v	b	
3094	67250	.	0-	nc	v	.	
5222	67538	.	00	t	.	.	
3103	67589	.	1-	c	.	.	
5224	67662	s	01	.	.	.	
3099	67664	.	0-	.	.	u	
3102	67665	s	0-	n	.	.	
3104	67714	.	00	n	.	.	
3106	67782	.	20	n	.	.	
3107	67929	.	21	.	u	.	
3986	68009	.	10	.	.	u	
3109	68030	.	0-	n	.	.	
5230	68136	.	04	.	.	.	
3112	68282	.	01	.	v v	.	
5238	68351	.	0-	t	.	.	
3111	68431	.	00	.	v	v	
3114	68498	.	0-	n	.	.	
3118	68707	.	01	n	.	.	
3119	68842	.	00	.	.	v b	
3121	69065	.	0-	t	.	.	
3124	69068	s	12	c	v	.	
3126	69107	.	10	.	u	.	
3128	69373	s	01	.	u	.	
3130	69592	.	01	n	.	.	
5258	69614	s	20	n	.	.	
5259	69634	.	0-	t	.	.	
5264	69850	s	2-	.	.	.	
3129	69896	.	0-	.	v 2 v	.	
3134	70012	.	01	.	v	.	
3135	70027	.	20	n	.	.	
3136	70051	.	00	n	.	.	
5267	70218	.	0-	nt	.	u i	3015
5268	70229	d	00	.	.	.	
3137	70243	.	4-	.	.	.	
3139	70310	.	0-	n	.	.	
3140	70379	.	01	.	.	v	
3142	70517	.	00	n	.	.	
3144	70762	.	00	n	.	.	
3143	70794	.	20	n	.	.	
3146	70873	.	10	n	.	.	
3145	70894	.	01	n	.	.	
3150	70952	.	10	n	.	.	
5284	71083	.	00	t	.	.	
5285	71098	.	0-	n	.	.	
3151	71115	.	00	n	v	.	
3159	71196	.	00	n	u	.	
5288	71198	s	0-	.	.	.	
3154	71251	.	00	n	.	.	
3155	71280	.	10	n	u	.	

FK6 No.	HIP No.	Tabular Note					Indiv. Note
		H	UF	KC	GBST	AML VPI	
5293	71295	.	00	n	.	.	
3985	71348	s	10	.	.	.	
3161	71573	.	0-	n	u v	.	
5302	71678	.	0-	t	.	.	
3163	71832	.	00	.	v	.	
3166	72012	.	20	n	v v	.	
3168	72208	s	01	n	.	.	
3167	72210	.	0-	.	v	.	
5310	72339	.	00	.	.	.	3016
3169	72449	.	0-	n	.	.	
3171	72552	.	00	nc	v v v	.	
3172	72567	.	0-	n	v v	b	
3176	73095	.	2-	.	v v v	.	
3179	73100	.	30	n	u	.	
3177	73165	.	00	n	.	.	
3180	73341	.	00	.	u	.	
3182	73369	.	0-	n	.	.	
5335	73456	d	70	.	.	.	
3183	73497	.	31	.	v	.	
3181	73500	.	1-	t	.	v	
3190	73620	.	40	.	.	.	
5337	73622	.	00	t	.	.	
3191	73634	.	11	nt	.	.	
3193	73945	.	0-	n	.	.	
3196	74026	.	01	.	v v v	.	
5342	74033	.	01	.	.	v	
3194	74066	.	00	.	v v	b	
3197	74083	.	0-	n	.	.	
3201	74505	.	0-	n	.	.	
3202	74514	.	2-	.	u	.	
3204	74596	.	01	n	u	.	
3206	74732	.	01	.	v	.	
3205	74837	.	11	t	.	.	
3207	74857	.	02	.	u	.	
5359	74918	.	30	t	.	.	
3211	75206	.	23	.	.	.	
3213	75230	.	00	n	u	.	
3215	75260	.	1-	.	u	.	
3212	75349	d	2-	.	.	.	
3214	75352	.	01	.	u	.	
3216	75369	.	00	n	.	.	
5366	75532	.	0-	t	.	.	
3218	75572	.	0-	n	.	.	
3959	75634	.	1-	t	.	.	
3221	75761	.	01	.	v	.	
3222	75788	.	61	.	.	.	
5372	75903	s	2-	.	.	.	
3225	75974	.	4-	.	u	.	
3223	76048	.	0-	n	u	.	
3224	76106	.	00	.	u v	.	

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
3226	76133	.	00	n	.	.	.	.
5376	76174	.	01	t	.	.	.	.
3227	76233	.	00	n	.	.	.	.
3230	76337	.	20	t	v	.	.	.
3231	76372	.	01	.	v	.	.	.
5379	76438	.	0-	.	v	v	.	.
3240	76519	.	01	.	vv	.	.	.
3239	76742	.	0-	.	v	.	.	.
5387	76802	.	0-	t	.	.	.	.
5390	76865	s	20	.	.	.	.	.
3243	76866	.	20	.	vv	.	.	.
5391	76867	.	10	t	.	.	.	.
3235	76877	s	01	.	.	.	.	.
3247	76957	.	00	.	vv	.	.	.
5393	77007	.	21	.	u	.	.	.
3249	77048	.	00	.	u	.	.	.
5400	77507	d	2-	.	.	.	.	.
3255	77738	.	01	.	v	.	.	.
3257	77902	.	01	n	u	.	.	.
3256	77910	.	00	n	u	.	.	s
3253	77982	.	11	t	.	.	.	.
5407	77998	.	52	.	.	.	.	.
3259	78012	.	0-	nc	v	.	.	.
5409	78278	.	1-	t	.	.	.	.
3260	78286	.	1-	n	u	.	.	.
5414	78450	.	10	.	v	.	.	.
3268	78554	.	00	n	vvb	.	.	.
3271	78592	.	00	n	.	.	.	.
3267	78655	.	0-	.	u	v	.	.
5420	78803	s	00	.	.	.	.	.
5422	78866	d	11	.	.	.	.	.
3276	78893	.	01	n	u	.	.	.
3274	79007	.	01	n	vv	.	.	.
3275	79098	.	00	.	2v	u	.	.
3277	79199	.	01	.	vv	.	.	.
3279	79332	.	00	n	v	.	.	.
5427	79479	s	00	.	.	.	.	.
3283	79488	.	21	n	u	.	.	.
3286	79692	.	0-	n	v	.	.	.
3291	79804	s	0-	n	u	.	.	.
5440	79972	.	0-	t	.	.	.	.
5441	80144	.	11	t	.	.	.	.
5442	80193	d	0-	.	.	.	.	.
5451	80525	.	0-	t	.	.	.	.
5456	80662	.	43	.	.	.	.	.
3300	80693	.	0-	n	v	.	.	.
5458	80697	.	10	t	.	.	.	.
3303	80704	s	01	n	.	.	.	.
3301	80782	.	0-	.	vv	.	.	.
3302	80874	.	30	.	uv	.	.	.

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
5463	80996	.	1-	t	.	.	.	.
3309	81007	.	00	n	.	.	.	.
3310	81008	.	10	n	.	.	.	.
3311	81122	.	0-	n	uv	.	.	.
3306	81141	.	1-	t	.	.	.	.
3314	81289	.	33	.	.	.	.	.
5470	81383	s	0-	.	.	.	.	.
5471	81401	.	01	.	v	.	.	.
3316	81425	.	02	n	.	.	.	.
3323	81670	.	10	n	.	.	.	.
3321	81733	.	01	.	vv	.	.	.
3324	81734	.	2-	n	.	.	.	.
5477	81779	.	0-	t	.	.	.	.
5478	81843	s	02	.	.	.	.	.
3325	81891	.	00	.	u	.	.	.
3330	81911	.	1-	n	u	.	.	.
3332	82073	.	21	nc	v	.	.	.
5482	82140	.	00	.	v	.	.	.
3336	82172	s	0-	n	.	.	.	.
3333	82216	.	0-	c	vv	.	.	.
3339	82422	.	00	n	v	.	.	.
3342	82730	.	0-	n	u	.	.	.
3343	82764	.	0-	n	u	.	.	.
3351	82880	.	10	.	vv	.	.	.
3346	82989	.	0-	n	.	.	.	.
3347	83007	.	00	n	.	.	.	.
3349	83013	.	1-	n	vv	u	.	.
5496	83065	.	0-	t	.	.	.	.
3348	83090	.	20	n	.	.	.	.
3350	83202	.	61	.	.	.	.	.
5500	83366	s	02	.	.	.	.	.
5501	83416	s	00	t	.	.	.	.
5504	83480	.	03	.	.	.	.	.
3355	83535	.	2-	.	u	.	.	.
5505	83591	.	00	c	.	.	.	.
3357	83635	.	01	n	v	.	.	.
3358	83684	.	0-	n	.	.	.	.
5512	83876	.	0-	.	v	v	.	.
3363	83896	.	00	n	.	.	.	.
5514	83977	.	41	.	.	.	.	.
3367	84021	.	0-	n	v	.	.	.
5518	84148	s	0-	.	.	.	.	.
3366	84150	.	0-	n	uv	.	.	.
3370	84183	.	00	.	u	.	.	.
5523	84480	.	03	.	.	.	.	.
5526	84588	.	20	n	.	.	.	.
3373	84656	.	10	.	u	.	.	.
3375	84691	.	1-	n	.	.	.	.
3377	84835	.	00	.	u	.	.	.
3381	84950	.	00	.	v	.	.	.

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
3374	84969	.	10	n	.	.	.	.
3378	85147	.	00	n	.	u	.	.
5533	85179	.	00	t	.	.	.	.
3382	85195	.	02	n	.	v	.	v
5534	85252	.	01	t	.	.	.	.
3390	85317	.	0-	n	.	.	.	.
5537	85507	.	0-	t	.	.	.	.
5539	85527	d	01	.	.	.	.	.
3393	85912	.	0-	n	.	v	.	.
3392	85922	.	0-	n	.	.	.	.
3397	86178	.	0-	n	.	.	.	.
3399	86284	.	02	.	.	.	u	.
5548	86383	.	0-	t	.	.	.	.
5550	86409	s	00	.	.	.	.	.
3403	86468	.	00	.	.	.	v	.
3405	86565	.	50	.	v	2	b	b
5556	86677	s	0-	n	.	.	.	.
3412	87174	.	21	t	.	.	.	.
5568	87287	.	00	.	.	v	.	.
5570	87411	s	0-	.	.	.	.	.
3419	87445	.	0-	.	v	v	.	.
3420	87558	.	0-	n	.	v	v	.
5571	87576	.	0-	.	.	.	.	a
3429	87728	.	10	.	.	v	.	.
3423	87782	.	01	n	.	v	.	.
5577	87797	s	00	.	.	.	.	.
5578	87824	.	70	.	.	.	.	.
3425	87846	.	00	.	.	u	v	.
5582	87858	.	0-	t	.	.	.	.
3430	88116	.	0-	.	v	v	.	.
3433	88122	.	3-	.	.	u	.	.
5585	88161	.	0-	t	.	.	.	.
3432	88213	.	2-	.	.	u	v	.
3438	88760	.	02	.	.	v	.	.
3442	88862	.	0-	t	.	.	.	.
3437	88866	.	0-	.	v	v	.	.
5600	88978	.	51	t	.	.	.	.
3447	89047	.	10	.	.	u	.	.
3444	89099	.	00	.	.	v	v	.
3448	89172	s	0-	n	.	v	.	.
3451	89279	.	01	.	v	v	v	.
3450	89288	.	00	.	.	.	v	.
3455	89448	.	11	.	.	v	.	.
3960	89465	s	10	.	.	.	.	.
3453	89597	.	01	.	.	u	.	.
3454	89609	.	00	t	.	.	.	.
5611	89669	s	00	.	.	.	.	.
5614	89755	.	00	.	v	v	.	.
3458	89981	s	1-	n	.	.	.	.
3460	90067	.	0-	n	t	v	.	.

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
3459	90096	.	3-	n	.	v	v	.
3463	90191	.	0-	.	v	v	v	.
3461	90200	.	01	.	c	u	v	.
5619	90281	.	01	.	.	.	v	.
3465	90344	.	0-	.	v	.	.	.
5622	90620	.	4-	.	.	.	.	.
3475	90905	.	20	.	.	v	.	.
3472	90915	.	1-	.	.	u	.	.
5630	90955	.	01	t	.	.	.	.
3471	91014	.	0-	.	v	v	.	.
3476	91041	.	00	n	.	v	v	v
3477	91105	.	02	n	.	.	.	.
5634	91152	.	00	t	.	.	.	.
3478	91172	.	0-	.	.	.	u	.
3481	91250	.	01	n	t	v	v	v
3484	91315	.	1-	.	.	v	v	.
5639	91342	s	0-	.	.	.	.	c
3482	91461	.	02	.	.	v	v	.
3485	91499	.	0-	.	.	.	u	u
3487	91675	.	11	n	.	.	.	.
3486	91689	.	00	.	.	v	.	.
5643	91744	.	01	t	.	.	.	.
5644	91774	s	0-	.	.	.	.	.
3489	92024	.	00	t	.	.	.	.
3493	92098	.	11	n	.	.	.	.
3492	92226	.	0-	.	.	u	v	.
3497	92269	.	11	n	.	.	.	.
3495	92367	.	41	.	.	.	.	.
3500	92524	.	00	.	.	v	.	.
3992	92586	.	00	.	.	.	v	.
3502	92649	.	00	.	v	v	.	b
5666	92760	.	00	.	c	.	.	.
3507	92779	d	01	.	.	.	.	.
3510	92963	.	00	.	.	u	.	.
3514	92969	.	11	.	.	u	.	.
3513	92997	.	11	.	.	u	.	.
3505	93015	.	20	.	v	v	.	v
5671	93082	.	0-	t	.	.	.	c
5675	93219	.	0-	t	.	.	.	.
3515	93299	.	3-	.	v	.	b	.
3518	93393	.	00	n	.	v	v	.
5679	93634	.	00	t	.	.	.	.
5682	94009	.	03	.	.	.	.	.
3530	94068	.	02	.	.	v	.	.
3536	94083	.	1-	.	.	.	u	i
3528	94124	.	01	.	.	2	.	2
5689	94278	.	01	t
5690	94410	.	01	t
3533	94434	.	0-	n
3534	94437	.	0-	n

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FK6 No.	HIP No.	Tabular Note						Indiv. Note					
		H	UF	KC	GBST	AML	VPI						
3541	94755	.	10	.	.	u
5697	94807	.	0	-	.	t
5699	94947	.	1	-	.	t	.	.	.	.	.	.	.
5704	95204	.	00	.	.	v	.	.	.	.	.	.	.
3546	95222	.	0	-	.	.	u	.	.	.	.	.	.
3548	95253	.	0	-	.	.	.	.	.	.	v	.	.
3549	95306	.	0	-	.	.	t	.	.	.	.	.	.
3550	95372	.	00	.	.	.	u	.	.	.	u	.	.
3552	95485	.	0	-	.	.	u	.	.	.	.	.	.
5709	95544	.	4	-	.	.	.	.	.	.	.	.	.
3556	95576	.	23	.	.	.	.	.	.	.	.	.	.
5710	95606	d	00	.	.	.	.	.	.	.	.	.	.
5717	96001	.	0	-	.	.	t	.	.	.	.	.	.
5718	96015	.	0	-	.	.	t	.	.	.	.	.	.
3563	96164	.	1	-	.	.	c	.	.	.	.	.	.
3558	96178	.	01	.	.	.	.	.	.	.	u	.	.
5721	96183	.	20	.	.	.	.	.	.	.	u	.	j
3559	96199	.	0	-	.	.	.	.	.	.	v	.	.
5722	96245	.	00	.	.	.	v	.	.	.	.	.	.
3565	96496	.	00	.	.	.	v	.	.	.	.	.	.
5725	96555	.	0	-	.	.	t	.	.	.	.	.	.
5727	96590	.	00	n	t	.	.	.	.	.	.	.	.
3569	96630	.	00	.	.	.	v	v	.	.	b	.	.
3572	96693	.	1	-	.	.	v	v	.	.	.	.	.
5730	96742	.	00	.	.	.	t	.	.	.	.	.	.
5732	96787	.	00	.	.	.	t	.	.	.	.	.	.
3575	96825	.	00	.	.	.	c	.	.	.	v	.	.
5737	96940	.	03	.	.	.	.	.	.	.	.	.	.
5738	96984	.	1	-	.	.	.	.	.	.	v	.	.
5739	96994	.	00	.	.	.	t	.	.	.	.	.	.
3576	97067	.	01	.	.	.	.	.	.	.	u	v	.
5742	97086	.	52	.	.	.	.	.	.	.	.	.	.
3579	97244	.	3	-	n	.	.	.	.	.	.	.	.
5747	97377	s	0	-	.	.	.	.	.	.	.	.	.
3581	97491	.	0	-	n	.	.	.	.	.	.	.	.
3582	97515	.	2	-	n	.	.	.	.	.	.	.	.
3580	97534	.	01	.	.	.	v	v	.	.	.	.	.
5751	97554	.	0	-	.	.	t	.	.	.	.	.	.
3586	97635	.	10	.	.	.	v	.	.	.	.	.	.
3585	97679	.	01	n	.	.	u	u	b	.	u	.	.
5753	97698	.	2	-	.	.	t	.	.	.	.	.	.
3583	97749	.	20	n	.	.	v	v	.	.	v	.	.
3588	97757	.	01	n	.	.	v	.	.	.	v	.	.
5756	97895	.	0	-	.	.	.	.	.	.	v	.	.
5758	98019	.	01	.	.	.	t	.	.	.	.	.	.
3592	98234	.	02	n	.	.	.	.	.	.	u	.	.
3594	98325	.	0	-	.	.	.	.	.	.	v	.	.
5761	98377	.	2	-	.	.	t	.	.	.	.	.	.
3596	98385	d	00	n	.	.	.	.	.	.	.	.	.
3605	98401	.	00	.	.	.	.	.	.	.	u	.	.

3020

FK6 No.	HIP No.	Tabular Note						Indiv. Note													
		H	UF	KC	GBST	AML	VPI														
3597	98512	.	4	-	.	.	.	.	.	.	v	v				
5764	98565	.	01	.	.	.	t	.	.	.	.	.	.	.	.	.
3604	98583	s	00	.	.	.	c	.	.	.	.	.	.	.	.	.
3598	98608	s	01	.	.	.	.	.	.	.	.	.	.	.	.	.
3608	98702	.	11	.	.	.	c	.	.	.	.	.	.	.	.	.
3607	98896	d	00	.	.	.	.	.	.	.	.	.	.	.	.	.
3609	98920	.	20	.	.	.	.	.	.	.	u					
3613	99026	.	1	-	n	c	.	.	.	.	v					
3611	99080	.	11	n	.	.	.	.	.	.	v	.	.	.	.	b
3615	99145	.	01	.	.	.	.	.	.	.	u					
3616	99234	.	0	-	n	.	.	.	.	.	.	.	.	.	.	.
3618	99457	.	00	n	.	.	.	.	.	.	.	.	.	.	.	.
5784	99849	.	4	-	.	.	.	.	.	.	.	.	.	.	.	.
3621	99878	.	01	.	.	.	.	.	.	.	.	.	.	.	.	v
3631	100261	s	00	.	.	.	.	.	.	.	v					
3628	100283	.	02	n	.	.	.	.	.	.	.	.	.	.	.	.
3632	100524	.	2	-	n	.	.	.	.	.	.	.	.	.	.	.
5798	100555	.	0	-	.	.	.	.	.	.	t					
3633	100587	.	0	-	n	.	.	.	.	.	.	.	.	.	.	.
5802	100732	s	0	-	.	.	.	.	.	.	.	.	.	.	.	.
3963	100965	.	0	-	.	.	c	.	.	.	u					
3637	101017	.	20	n	.	.	.	.	.	.	.	.	.	.	.	.
5807	101088	.	00	.	.	.	t	.	.	.	.	.	.	.	.	.
3639	101090	.	00	n	.	.	.	.	.	.	.	.	.	.	.	.
3645	101507	.	00	n	.	.	.	.	.	.	.	.	.	.	.	.
3649	101716	.	02	n	.	.	.	.	.	.	v	v				
5813	101721	.	0	-	.	.	t	.	.	.	.	.	.	.	.	.
3647	101773	.	00	.	.	.	.	.	.	.	.	.	.	.	.	s
5817	101972	.	0	-	.	.	.	.	.	.	.	.	.	.	.	v
3652	102092	.	00	n	.	.	.	.	.	.	.	.	.	.	.	.
3655	102155	.	0	-	.	.	.	.	.	.	v	v	.	.	.	v
3656	102253	.	52	.	.	.	.	.	.	.	.	.	.	.	.	.
5824	102371	.	5	-	.	.	.	.	.	.	.	.	.	.	.	.
5828	102427	.	0	-	.	.	.	.	.	.	.	.	.	.	.	b
5837	102755	.	00	.	.	.	t	.	.	.	.	.	.	.	.	.
3661	102790	.	00	n	.	.	.	.	.	.	.	.	.	.	.	.
3666	102843	.	1	-	.	.	c	.	.	.	u					
3665	102891	.	00	.	.	.	.	.	.	.	v					
3668	103145	.	1	-	.	.	c	.	.	.	v					
5841	103253	d	0	-	.	.	.	.	.	.	.	.	.	.	.	.
3676	103598	.	01	.	.	.	.	.	.	.	v					
3673	103673	.	00	n	.	.	.	.	.	.	.	.	.	.	.	.
3677	103734	.	00	.	.	.	t	.	.	.	v	v					
5852	103763	s	01	.	.	.	.	.	.	.	.	.	.	.	.	.
3680	104085	.	20	n	.	.	.	.	.	.	.	.	.	.	.	.
3683	104148	.	00	n	u					
3686	104172	.	12	.	.	.	t					
3687	104185	.	1	-	n	v	v	.	.	.	v	.	b	.	c	i
3689	104281	.	02	n
5860	104342	.	0	-	t

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FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
3692	104357	.	0	-	n	.		3022
3690	104365	.	0	-	c	.	u	
5868	104634	.	0	-	.	.	u	
5875	104941	.	1	-	t	.		
3698	105164	.	00	n	.	.		
5879	105179	.	0	-	t	.		
3700	105224	.	00	n	.	.		
3703	105268	.	10	.	.	.	v b u	
3702	105282	.	0	-	t	.	v v v	
5881	105345	s	00	.	.	.		
3704	105411	.	3	-	n	.	u	
3705	105574	.	00	n	.	.	v	
3706	105623	.	40	.	.	.		
3707	105665	.	0	-	n	.	u	
3711	105864	.	0	-	n	.	u	
3714	105942	.	1	-	n	.	v u b u	
3715	105966	.	10	n	.	.	u	
3718	105972	.	00	.	.	.	v	
3716	106003	.	0	-	n	.		
3712	106044	s	1	-	.	.		
5895	106131	d	00	.	t	.		
5896	106143	.	0	-	n	.	u	
3995	106474	.	0	-	.	.	u	
3721	106564	.	02	.	.	.	v v	
3724	106723	.	0	-	n	.	c u v	
5908	106725	.	0	-	t	.		
3725	106801	.	10	n	.	.	u v	
3729	106944	.	02	.	c	.		
5909	106953	.	0	-	t	.		
3732	107151	.	0	-	.	.	u	
3734	107299	.	12	.	c	.		
3737	107350	.	00	n	.	.	u	
3735	107423	.	01	.	.	.	u	
5925	107708	.	51	.	.	.		
3744	107734	.	0	-	n	.	u	
3996	107747	.	13	.	.	.		
3745	107749	.	0	-	.	.	v	
5929	107869	.	01	.	t	.		
5932	107998	.	0	-	t	.		
3755	108133	s	0	-	.	.		
3749	108165	.	02	.	t	.	u v	
5935	108166	.	00	.	.	.	v	
5936	108224	.	00	.	.	.	v v	
3751	108339	.	00	n	.	.	v	
3753	108402	.	00	.	t	.		
5941	108473	.	62	.	.	.		
3757	108494	s	20	.	.	.		
5943	108601	s	0	-	.	.		
3759	108612	.	0	-	.	.	u	
5944	108646	.	0	-	.	.	a	

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
5945	108672	.	20	.	.	.	v	
3763	108758	.	3	-	n	.	u	
3765	108874	.	2	-	n	.	u	
5950	108972	.	0	-	t	.		
3767	108975	.	00	.	.	.	v v v	
3768	109056	.	0	-	n	.	t v v v	
3769	109102	.	0	-	n	.		
3770	109190	.	11	n	.	.	u	
3772	109458	.	02	n	.	.		
3773	109471	.	0	-	.	.	v v	
3771	109472	.	02	.	.	.	u v	
3776	109654	.	0	-	.	.	u v	
3778	109831	.	00	n	.	.	u	
3780	109939	.	00	n	.	.	v v v	
5966	110058	s	00	.	.	.		
5975	110535	.	0	-	t	.		
3790	110573	.	0	-	.	.	v v	
3791	110602	.	02	n	.	.	u	
3788	110668	.	00	n	.	.		
3793	110746	.	0	-	n	.	v	
3795	110807	.	0	-	n	.	u	
3797	110817	.	0	-	.	.	v	
3796	110882	.	01	.	c	.	v	
5985	111086	.	01	n	.	.		
5986	111138	.	01	n	.	.		
3804	111278	.	00	n	.	.		
3803	111310	s	0	-	n	.		
3808	111379	.	0	-	t	.		
5993	111563	.	01	.	.	.	v	
5994	111568	.	0	-	t	.		
3811	111594	.	21	n	.	.	v v	
3814	111809	.	2	-	n	.	v 2 v	
5999	111877	s	00	.	.	.		
3816	111967	.	1	-	n	.		
6000	112088	s	0	-	.	.		
6002	112162	.	00	.	t	.		
3819	112179	.	00	n	.	.		
6003	112263	.	2	-	t	.		
6007	112402	.	01	.	t	.		
6008	112414	.	10	n	.	.		
3823	112533	.	0	-	.	.	c	
3824	112567	.	00	n	.	.		
3825	112615	.	20	n	.	.		
6012	112671	d	00	.	.	.		
6017	112870	.	00	.	c	.		
6018	112882	s	20	.	.	.		
3830	112998	.	0	-	.	.	v v v	
6027	113196	.	00	.	t	.		
3833	113327	.	0	-	n	.	v v v	
3834	113360	.	00	n	.	.		

3023

FK6 No.	HIP No.	Tabular Note						Indiv. Note
		H	UF	KC	GBST	AML	VPI	
3835	113371	.	0	-	n	.	.	3024
6035	113449	.	1	-	t	.	.	
3839	113561	.	00	.	uv	.	b j	
3845	113957	.	10	n	.	uv	.	
3843	113969	.	0	-	.	v	v	
3848	114155	.	1	-	n	.	v	
3855	114366	.	01	.	.	u	.	
3856	114371	.	01	.	.	u	.	
6045	114404	s	01	.	.	.	.
6047	114489	s	01	.	c	.	.	
6048	114506	d	0	-	.	.	.	
6049	114512	.	4	-	.	.	.	
3859	114775	.	0	-	.	v	v	
3860	114822	.	00	.	.	v	v	
3862	114831	.	00	.	.	v	v s	
3863	114924	.	00	.	c	.	u	
3868	115144	.	0	-	.	u	.	
3874	115395	.	01	.	t	.	.	
6067	115443	.	0	-	t	.	.	
3881	115953	.	00	.	.	v	.	
3882	115996	.	0	-	t	.	.	
3885	116118	.	0	-	.	v	v	
3889	116264	s	00	n	.	u	.	
3891	116355	.	00	.	.	u	.	
3893	116380	.	1	-	.	u	.	
3894	116465	s	00	n	.	.	.	
6094	116624	.	4	-	.	.	.	
3897	116709	.	1	-	.	v	v	
3901	116972	.	21	.	t	.	.	
3902	117020	s	00	n	.	v	v	
3908	117245	s	01	n	.	v	.	
3909	117301	.	10	.	.	v	.	
3912	117420	.	21	.	.	v	.	
3914	117503	.	30	.	t	.	.	
6111	117514	.	0	-	.	v	.	
3919	117681	.	2	-	.	u	.	
3997	117689	.	00	n	.	.	.	
6117	117777	.	00	.	t	.	.	
3920	117887	s	0	-	n	.	u	
6122	118036	s	00	.	.	.	.
3923	118071	.	01	.	.	v	.	
3925	118178	.	20	.	.	u	.	
3927	118224	.	4	-	n	.	.	
6125	118320	.	4	-	.	.	.	

Individual Notes to Part III of the FK6 Catalogue

3001) **HIP 7007 = FK 2099**

The radial velocity is probably constant. The star is used as a radial-velocity standard by many authors.

3002) **HIP 12048 = FK 4237**

The star has a planetary companion according to G.W. Marcy et al. (2000, *Astrophys. J.* **536**, L43).

3003) **HIP 19554 = FK 2301**

Radial velocity is variable according to R.F. Griffin et al. (1988, *Astron. J.* **96**, 172).

3004) **HIP 20715 = FK 2327**

S. Wolff (1978, *Astrophys. J.* **222**, 556) considered the star to be a spectroscopic binary with an orbital period of 2.48 or 4.95 days. The star is a slowly pulsating B star with a photometric period of 1.08 days (C. Waelkens et al., 1998, *Astron. Astrophys.* **330**, 215).

3005) **HIP 25041 = FK 2401**

Spectroscopic binary with an orbital period of 4.1707 days. No other orbital elements are given by N. Morrell and H. Levato (1991, *Astrophys. J. Suppl. Ser.* **75**, 965).

3006) **HIP 25302 = FK 2406**

Radial velocity is variable according to N. Morrell and H. Levato (1991, *Astrophys. J. Suppl. Ser.* **75**, 965).

3007) **HIP 26093 = FK 2414**

Radial velocity is constant according to H.A. Abt et al. (1990, *Astrophys. J. Suppl. Ser.* **74**, 551).

3008) **HIP 26248 = FK 2415**

Radial velocity is constant according to H.A. Abt et al. (1990, *Astrophys. J. Suppl. Ser.* **74**, 551).

3009) **HIP 26594 = FK 2423**

Radial velocity is variable according to N. Morrell and H. Levato (1991, *Astrophys. J. Suppl. Ser.* **75**, 965).

3010) **HIP 32864 = FK 2523**

Radial velocity is constant according to H.A. Abt et al. (1990, *Astrophys. J. Suppl. Ser.* **74**, 551).

3011) **HIP 34495 = FK 2551**

The SIMBAD classification of this star as a Cepheid seems to be unjustified.

3012) **HIP 60500 = FK 5094**

The star was claimed to be a close visual binary with a separation of less than 0".3 by Mädler (O Σ 248). Other observers did not confirm this binarity (W.J. Hussey, 1901, *Publ. Lick Obs.* **5**, 113). However, HIPPARCOS also suspects the star to be double (Flag S in HIP Field H61).

3013) **HIP 62027 = FK 3015**

X-ray binary according to C. Chevalier and S.A. Ilovaisky (1998, *Astron. Astrophys.* **330**, 201).

3014) **HIP 64408 = FK 3051**

Radial velocity is constant according to K.A. Murdoch et al. (1993, *Astrophys. J.* **413**, 349).

3015) **HIP 70218 = FK 5267**

Radial velocity may be variable with a long period according to A. Young et al. (1987, *Astrophys. J.* **314**, 272).

3016) **HIP 72339 = FK 5310**

The star has a planetary companion according to S. Udry et al. (2000, *Astron. Astrophys.* **356**, 590).

3017) **HIP 91499 = FK 3485**

Radial velocity may be variable according to G. Burki and M. Mayor (1983, *Astron. Astrophys.* **124**, 256) and A.M. Valitova et al. (1990, *Sov. Astron. Lett.* **16**, 301).

3018) **HIP 93015 = FK 3505**

κ Pav is a Cepheid of the W Virginis type. In addition to its pulsation, the star is probably a spectroscopic binary according to G. Wallerstein et al. (1992, *Monthly Not. Roy. Astron. Soc.* **259**, 474).

3019) **HIP 94083 = FK 3536**

Radial velocity may be variable according to A. Duquennoy and M. Mayor (1991, *Astron. Astrophys.* **248**, 485).

3020) **HIP 96183 = FK 5721**

Radial velocity may be variable according to A. Duquennoy and M. Mayor (1991, *Astron. Astrophys.* **248**, 485).

3021) **HIP 104185 = FK 3687**

Cepheid DT Cyg. The star has a photometric companion according to L. Szabados (1991, *Commun. Konkoly Obs.* No. 96).

3022) **HIP 105665 = FK 3707**

Radial velocity is probably constant. The star is used as a radial-velocity standard by many authors.

3023) **HIP 110882 = FK 3796**

Radial velocity is probably constant. The star is used as a radial-velocity standard by many authors.

3024) **HIP 113561 = FK 3839**

The star has a photometric companion seen in the ultraviolet according to S.B. Parsons (1983, *Astrophys. J. Suppl. Ser.* **53**, 553).

