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MPEC 2023-L17 : DAILY ORBIT UPDATE (2023 June 5)

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M.P.E.C. 2023-L17                                    Issued 2023 June 5, 12:06 UT

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                       DAILY ORBIT UPDATE (2023 June 5)

                              Update to 2023-L14

    Full-precision elements for the objects listed here are available at
          https://www.minorplanetcenter.net/iau/MPCORB.html

New identifications:
         K10U87S  K20T89Q                                        VanWylen
         K12R00O  K22UD1R                                        VanWylen
         K14Ww4O  K22T42J                                        VanWylen
         K15BE2C  K22UC8E                                        VanWylen

New old-numbered orbits:
Object     H    G   Epoch     M      Peri.   Node     Incl.      e          a    Opp C
00002    4.1  0.15 K232P 357.849 310.865 172.918  34.927 0.23008   2.76963 121 X
00014    6.5  0.15 K232P 136.826  97.766  86.108   9.120 0.16550   2.58633  84 X
00039    6.2  0.15 K232P 240.348 209.701 156.936  10.370 0.11195   2.76933  91 X
00040    7.2  0.15 K232P 152.511 268.951  94.164   4.256 0.04628   2.26740  78 X
00042    7.6  0.15 K232P 205.085 237.237  84.177   8.511 0.22236   2.44276  80 X
00045    7.6  0.15 K232P 346.557  87.543 147.592   6.605 0.08335   2.72088  79 X
00050    9.3  0.15 K232P 118.486 199.978 173.467   2.839 0.28515   2.65099  70 X
00053    8.8  0.15 K232P  28.796 314.212 143.458   5.181 0.20250   2.61870  74 X
00061    7.6  0.15 K232P 179.490  12.785 333.573  18.208 0.16449   2.98560  71 X
00064    7.7  0.15 K232P 350.598 180.905 308.992   1.306 0.12582   2.68063  77 X
00080    8.1  0.15 K232P 134.145 139.547 218.649   8.677 0.20003   2.29591  76 X
00084    9.3  0.15 K232P 127.531  15.048 327.515   9.316 0.23612   2.36206  60 X
00106    7.6  0.15 K232P 106.624 331.503  61.991   4.576 0.15938   3.18124  78 X
00107    7.1  0.15 K232P 179.478 305.339 172.587  10.004 0.06524   3.48625  75 X
00111    8.2  0.15 K232P  34.924 168.223 305.687   4.931 0.10282   2.59357  63 X
00134    8.8  0.15 K232P  85.449  85.463 345.861  11.612 0.11482   2.56391  70 X
00141    8.4  0.15 K232P 116.471  57.739 318.473  11.897 0.21354   2.66632  56 X
00147    8.7  0.15 K232P 156.531 102.899 248.232   1.932 0.02284   3.13668  69 X
00151    9.1  0.15 K232P 346.823 132.883  38.737   6.432 0.03551   2.59192  50 X
00165    7.8  0.15 K232P 196.423 345.001 302.453  11.236 0.08400   3.12459  72 X
00169    9.5  0.15 K232P 183.034 334.761 354.731   5.501 0.13058   2.35837  53 X
00185    7.7  0.15 K232P 129.810 223.765 153.762  23.254 0.12732   2.73890  75 X
00186    8.9  0.15 K232P 207.112 315.507  14.717  13.187 0.14962   2.36234  46 X
00197    9.4  0.15 K232P 182.797 245.990  81.576   8.789 0.16324   2.73954  70 X
00212    8.4  0.15 K232P  93.621 105.316 312.925   4.278 0.10291   3.11723  72 X
00214    9.2  0.15 K232P   3.089 136.060 341.926   3.438 0.03043   2.61069  64 X
00219    9.2  0.15 K232P 173.078 142.710 200.775  10.865 0.22310   2.35450  52 X
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00257	9.4	0.15	K232P	95.406	31.820	34.051	3.613	0.11224	3.11987	60	X
00285	10.8	0.15	K232P	213.656	14.488	311.225	17.609	0.20411	3.08860	33	X
00288	9.8	0.15	K232P	332.440	84.433	120.106	4.338	0.20582	2.76061	72	X
00308	8.1	0.15	K232P	232.483	112.412	181.592	4.363	0.03908	2.74986	75	X
00311	9.9	0.15	K232P	351.725	79.363	80.968	3.224	0.00564	2.89756	62	X
00322	9.1	0.15	K232P	133.014	114.807	252.305	8.045	0.24470	2.78368	54	X
00325	8.7	0.15	K232P	55.551	70.738	344.210	8.575	0.15128	3.21536	60	X
00331	9.8	0.15	K232P	177.029	334.017	21.851	6.036	0.09588	3.02719	61	X
00335	9.0	0.15	K232P	243.065	139.817	148.424	5.103	0.17228	2.47576	66	X
00359	9.3	0.15	K232P	129.622	337.917	6.004	6.774	0.15672	2.72800	54	X
00360	8.5	0.15	K232P	82.519	289.973	132.197	11.742	0.17372	3.00471	63	X
00370	10.7	0.15	K232P	157.122	68.394	290.898	7.861	0.09074	2.32469	48	X
00377	9.0	0.15	K232P	89.124	196.352	209.931	6.678	0.07541	2.69051	63	X
00399	8.9	0.15	K232P	340.434	192.654	346.199	13.115	0.07648	3.05152	55	X
00401	9.2	0.15	K232P	192.399	301.510	36.042	5.963	0.03136	3.34700	58	X
00435	10.4	0.15	K232P	162.804	333.373	23.140	1.816	0.15489	2.45018	62	X
00444	8.0	0.15	K232P	165.340	154.693	195.605	10.274	0.17409	2.77140	71	X
00449	9.8	0.15	K232P	350.902	48.732	85.771	3.079	0.17299	2.55049	55	X
00454	9.3	0.15	K232P	293.463	177.293	32.169	6.293	0.11147	2.62713	60	X
00459	10.4	0.15	K232P	287.691	19.485	29.468	10.302	0.21151	2.61895	43	X
00461	10.5	0.15	K232P	30.251	308.611	156.521	1.472	0.14526	3.11701	52	X
00489	8.4	0.15	K232P	348.663	8.700	166.699	12.993	0.04817	3.15233	53	X
00494	9.1	0.15	K232P	244.708	215.388	38.073	7.079	0.06436	2.98499	68	X
00505	8.7	0.15	K232P	37.464	336.990	90.774	9.822	0.24258	2.68621	59	X
00508	8.4	0.15	K232P	71.259	209.737	44.191	13.338	0.00759	3.16077	57	X
00514	9.2	0.15	K232P	132.935	111.557	268.525	3.880	0.03734	3.04735	72	X
00535	9.4	0.15	K232P	16.015	68.039	84.761	6.773	0.02565	2.56952	63	X
00546	9.7	0.15	K232P	352.878	110.258	21.586	14.869	0.11550	2.59679	49	X
00550	9.3	0.15	K232P	225.722	45.171	270.676	10.105	0.22253	2.58914	58	X
00573	9.5	0.15	K232P	146.717	29.938	342.661	9.829	0.10997	3.01568	53	X
00580	10.3	0.15	K232P	88.349	338.830	98.906	3.670	0.08762	3.22944	49	X
00609	10.3	0.15	K232P	255.722	108.612	165.176	4.187	0.03880	3.08716	54	X
00613	9.6	0.15	K232P	85.015	66.054	354.519	7.671	0.05639	2.92074	52	X
00614	11.0	0.15	K232P	81.033	209.989	217.053	7.020	0.10840	2.69451	46	X
00618	8.3	0.15	K232P	195.241	229.988	110.835	17.052	0.06919	3.19209	54	X
00623	10.7	0.15	K232P	78.312	124.770	308.301	14.124	0.11131	2.46184	39	X
00626	9.2	0.15	K232P	130.206	43.506	341.592	25.377	0.24188	2.57478	49	X
00628	9.3	0.15	K232P	177.646	205.185	112.092	11.523	0.04335	2.58147	52	X
00631	8.6	0.15	K232P	3.051	279.382	224.540	18.900	0.08424	2.79242	50	X
00634	9.7	0.15	K232P	180.580	220.908	133.198	12.290	0.18114	3.05052	45	X
00640	9.2	0.15	K232P	259.173	29.181	234.873	13.370	0.07872	3.16076	48	X
00642	10.0	0.15	K232P	359.844	120.898	5.267	8.169	0.12810	3.18485	49	X
00655	9.9	0.15	K232P	102.609	281.682	129.849	6.512	0.08384	2.99058	54	X
00675	8.1	0.15	K232P	252.058	152.654	263.004	9.808	0.20477	2.76720	59	X
00690	8.0	0.15	K232P	117.291	114.509	253.051	11.244	0.17681	3.15020	57	X
00697	9.4	0.15	K232P	186.403	333.215	15.414	15.123	0.15389	2.88293	54	X
00712	8.6	0.15	K232P	71.566	181.481	230.694	12.755	0.18512	2.57612	58	X
00713	9.0	0.15	K232P	149.840	138.598	217.459	10.342	0.15517	3.40081	51	X
00727	9.6	0.15	K232P	66.562	274.362	133.040	15.058	0.10389	2.56689	41	X
00737	8.9	0.15	K232P	232.418	134.248	184.615	12.368	0.24442	2.59134	55	X
00746	9.8	0.15	K232P	239.720	306.995	1.918	17.479	0.23611	3.11256	44	X
00760	7.9	0.15	K232P	353.593	200.343	331.551	12.538	0.23383	3.14872	52	X
00779	8.0	0.15	K232P	168.204	49.084	283.725	14.574	0.22702	2.66453	53	X
00791	9.2	0.15	K232P	211.244	201.790	129.806	16.376	0.19252	3.12514	48	X
00792	10.2	0.15	K232P	152.560	227.195	265.057	8.626	0.13164	2.62141	46	X
00813	11.5	0.15	K232P	164.082	315.257	51.885	6.296	0.02531	2.22340	38	X
00814	8.7	0.15	K232P	63.061	296.321	88.733	21.794	0.30538	3.15837	40	X
00890	10.5	0.15	K232P	267.857	87.400	160.530	10.877	0.05954	3.02230	42	X
00920	11.2	0.15	K232P	33.026	270.298	192.616	11.595	0.10477	2.62188	40	X
00950	11.2	0.15	K232P	340.099	348.679	181.728	23.503	0.15936	2.37115	39	X
00951	11.4	0.15	K232P	113.152	129.829	253.002	4.105	0.17339	2.20985	47	X
00953	10.0	0.15	K232P	255.546	259.713	36.380	8.660	0.18933	2.78805	50	X
00957	9.8	0.15	K232P	35.221	226.142	232.639	14.761	0.08161	2.91973	43	X
00974	10.4	0.15	K232P	132.287	302.187	86.638	5.453	0.10972	2.53424	53	X
00984	9.5	0.15	K232P	125.552	55.157	314.165	9.095	0.19548	2.80477	49	X
01001	9.7	0.15	K232P	99.828	145.932	259.117	9.315	0.12230	3.21105	52	X
01032	10.1	0.15	K232P	278.167	188.937	76.299	9.479	0.14128	3.13082	47	X
01098	10.5	0.15	K232P	100.303	81.352	328.901	13.391	0.11623	2.68922	44	X
01116	9.8	0.15	K232P	21.657	83.257	356.213	16.552	0.22402	2.92638	44	X
01135	10.5	0.15	K232P	181.011	3.501	350.621	4.541	0.11416	2.66659	50	X
01140	9.7	0.15	K232P	131.161	310.302	72.071	14.116	0.11025	2.77315	33	X
01189	9.9	0.15	K232P	136.199	95.655	275.181	9.863	0.11181	2.93260	46	X
01199	10.2	0.15	K232P	340.921	290.756	235.507	8.780	0.03218	3.01805	49	X
01203	11.6	0.15	K232P	218.331	177.261	224.499	5.997	0.25045	2.88380	35	X
01249	11.3	0.15	K232P	23.489	224.256	258.900	4.872	0.07604	2.22439	39	X
01268	9.1	0.15	K232P	47.027	118.603	350.989	4.425	0.10335	3.98225	55	X
01278	10.8	0.15	K232P	335.259	238.698	90.264	10.855	0.26289	2.40447	40	X
01303	9.5	0.15	K232P	177.172	101.117	71.959	19.484	0.10210	3.23238	42	X
01355	12.9	0.15	K232P	307.045	340.397	225.216	22.829	0.04495	1.85350	26	X
01398	10.2	0.15	K232P	132.549	72.659	296.898	11.848	0.09990	3.16105	38	X
01421	10.4	0.15	K232P	333.071	162.092	42.565	9.801	0.08415	3.09049	45	X
01424	9.9	0.15	K232P	179.713	303.897	42.896	9.160	0.05634	3.19110	47	X
01467	8.7	0.15	K232P	210.865	350.483	326.323	21.901	0.12744	3.38800	44	X
01516	11.9	0.15	K232P	321.627	94.057	125.822	8.748	0.18591	2.62244	37	X
01517	11.2	0.15	K232P	241.655	229.559	63.837	5.272	0.04404	2.71732	44	X
01523	12.3	0.15	K232P	357.270	188.437	327.754	5.141	0.09361	2.24202	38	X
01533	10.7	0.15	K232P	6.541	8.211	156.550	10.714	0.04055	3.01179	38	X
01594	11.9	0.15	K232P	255.757	222.164	69.386	8.943	0.19491	2.26939	35	X
01639	11.0	0.15	K232P	64.285	106.628	324.142	8.442	0.14795	2.57330	41	X
01650	11.6	0.15	K232P	276.536	56.728	199.691	2.751	0.16292	2.43544	45	X
01654	10.7	0.15	K232P	175.483	333.235	25.157	10.425	0.08640	3.01830	42	X
01680	11.1	0.15	K232P	296.912	158.198	83.332	4.260	0.18195	2.72554	48	X
01907	12.1	0.15	K232P	306.803	58.618	152.014	3.224	0.04423	2.54577	40	X

02196	10.2	0.15	K232P	5.199	304.730	212.114	10.320	0.05724	3.43791	39	X
02384	12.0	0.15	K232P	317.562	205.213	7.820	13.536	0.12071	2.61079	30	X
02653	12.3	0.15	K232P	353.599	317.875	194.365	4.754	0.08085	2.44350	30	X
02892	10.3	0.15	K232P	83.521	94.332	325.824	17.011	0.20332	3.17359	27	X
03099	11.5	0.15	K232P	353.300	148.063	31.009	15.489	0.20182	2.88023	27	X
03104	10.7	0.15	K232P	98.184	243.773	162.042	24.186	0.08654	2.96463	27	X
03492	11.8	0.15	K232P	291.583	96.858	138.781	13.629	0.14407	2.61642	29	X
03816	11.8	0.15	K232P	9.562	196.734	310.910	12.179	0.12653	2.60596	24	X
04483	13.3	0.15	K232P	219.356	186.381	184.159	26.729	0.08352	1.92265	24	X
05297	13.5	0.15	K232P	105.731	311.795	149.774	6.533	0.12437	2.26246	26	X
06671	12.8	0.15	K232P	304.617	97.734	180.278	14.699	0.15321	2.89541	27	X
46019	14.5	0.15	K232P	293.498	182.200	118.445	14.046	0.02783	2.60953	20	X
69671	15.2	0.15	K232P	325.027	157.821	117.315	13.538	0.24706	2.55794	20	X
88264	17.0	0.15	K232P	310.994	201.444	104.949	12.068	0.45192	2.14833	17	X
N0632	15.9	0.15	K232P	322.187	163.809	104.723	8.673	0.23396	2.53901	17	X
j2334	21.0	0.15	K232P	327.626	118.180	80.887	20.794	0.18937	1.23610	5	X
m8453	19.2	0.15	K232P	317.986	249.453	96.103	4.310	0.73402	2.34627	7	X

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J99TU0J	18.5	0.15	K232P	228.927	17.548	353.492	8.760	0.17513	2.57744	2	V
K00EK4N	18.3	0.15	K232P	5.099	101.152	107.588	1.484	0.01280	2.74689	7	V
K01FK6F	18.0	0.15	K232P	321.225	109.875	182.662	11.255	0.29845	2.64140	8	X
K01FL7B	18.5	0.15	K232P	244.849	275.209	27.217	1.082	0.16209	3.13292	2	V
K01L00D	20.6	0.15	K232P	327.963	114.288	79.232	30.153	0.37585	1.42025	3	X
K03Q85Z	17.6	0.15	K232P	273.647	258.383	41.687	1.900	0.11920	3.02794	4	V
K03Se1D	17.2	0.15	K232P	313.562	101.595	188.656	30.692	0.23163	2.58820	9	X
K03Uj0X	19.0	0.15	K232P	134.444	17.476	7.168	8.817	0.19875	3.20856	2	V
K04XK0C	18.4	0.15	K232P	223.582	348.958	61.455	4.119	0.24470	2.51680	5	V
K05C07D	17.7	0.15	K232P	349.691	62.496	139.512	21.526	0.37891	2.33206	6	X
K05YK4R	17.0	0.15	K232P	350.635	88.061	120.500	22.453	0.51228	3.15622	3	X
K06D05L	17.3	0.15	K232P	346.226	83.314	141.752	27.824	0.23534	2.58418	7	X
K06M06S	19.1	0.15	K232P	322.203	187.443	108.435	21.412	0.57149	2.63384	3	X
K07D75M	18.5	0.15	K232P	353.864	30.195	163.748	23.137	0.08237	1.91322	6	X
K07RU6Y	17.6	0.15	K232P	156.303	182.171	254.548	9.008	0.08622	3.23361	2	V
K08YB9K	18.1	0.15	K232P	261.395	286.365	103.393	20.635	0.31021	3.08970	3	V
K09F85X	17.7	0.15	K232P	339.305	80.160	167.321	26.396	0.30804	2.74733	5	X
K09M01W	17.9	0.15	K232P	325.380	114.594	113.781	23.407	0.27271	2.32911	5	X
K10CJ4H	17.6	0.15	K232P	86.606	85.085	15.247	25.317	0.23701	3.20997	3	V
K10H41K	17.6	0.15	K232P	212.912	201.213	61.654	16.472	0.25569	2.91840	2	V
K10HE1H	18.1	0.15	K232P	196.280	196.632	127.949	12.412	0.08915	2.70138	4	V
K10K11J	15.7	0.15	K232P	348.278	26.003	256.349	36.897	0.37710	2.55380	8	X
K10M23V	17.9	0.15	K232P	319.806	100.160	151.375	27.556	0.30218	2.65624	5	X
K10O44R	16.2	0.15	K232P	347.939	4.824	302.913	13.910	0.25760	2.55548	12	X
K10U87S	17.3	0.15	K232P	53.833	73.711	51.138	13.002	0.05602	2.98827	2	V
K10W40G	17.9	0.15	K232P	349.441	51.616	303.461	3.460	0.12262	2.66769	4	V
K10X25D	20.7	0.15	K232P	225.900	267.566	84.119	35.459	0.36873	1.27553	4	X
K11CA8N	17.3	0.15	K232P	301.066	81.457	168.547	12.028	0.12267	3.24481	5	V
K11E78D	18.4	0.15	K232P	341.404	143.666	126.704	8.709	0.62460	3.28173	3	X
K11Y99E	18.0	0.15	K232P	173.426	296.581	158.575	0.417	0.03812	2.75492	2	V
K12FB7M	17.7	0.15	K232P	295.844	232.952	142.867	4.259	0.06194	2.80387	7	V
K12H84N	17.1	0.15	K232P	326.897	136.797	112.724	28.714	0.32689	3.12135	6	X
K12HB5V	18.9	0.15	K232P	297.931	72.787	177.359	0.918	0.15174	2.41475	4	V
K12J17P	15.8	0.15	K232P	281.385	181.768	103.148	29.857	0.16282	3.17332	9	X
K12K04R	18.0	0.15	K232P	348.749	77.696	134.241	23.340	0.46233	3.13660	7	X
K12Q78T	18.8	0.15	K232P	311.608	187.369	102.212	2.638	0.20776	2.42067	3	V
K12R00O	19.0	0.15	K232P	97.600	0.002	308.917	8.655	0.23543	2.19523	2	V
K12TL4B	16.7	0.15	K232P	220.016	72.129	261.527	2.000	0.05643	3.66728	5	V
K12Y27M	17.8	0.15	K232P	124.734	127.835	292.079	3.847	0.11530	2.73192	3	V
K13H45L	20.3	0.15	K232P	269.921	7.451	259.616	4.434	0.11268	2.27066	3	V
K13P02Q	18.1	0.15	K232P	1.373	60.520	124.799	24.249	0.08603	1.89245	6	X
K13PD5E	19.8	0.15	K232P	270.136	112.702	173.816	2.307	0.19326	2.33653	4	V
K13Q06H	18.7	0.15	K232P	288.583	141.063	139.257	24.765	0.07421	1.88550	5	X
K13Q46N	18.8	0.15	K232P	267.900	157.576	140.564	24.312	0.07891	1.88847	6	X
K13QA6S	19.1	0.15	K232P	292.497	122.585	160.669	6.920	0.08951	2.32040	3	V
K13R43D	18.3	0.15	K232P	308.980	70.519	169.150	26.437	0.10091	1.91843	7	X
K13RH5U	19.8	0.15	K232P	298.527	132.130	155.156	6.424	0.21573	2.29856	4	V
K14DJ9M	18.4	0.15	K232P	8.357	191.352	341.103	1.505	0.06898	2.68288	3	V
K14E00K	16.7	0.15	K232P	327.573	125.181	117.277	27.057	0.21495	2.77128	9	X
K14F00A	17.0	0.15	K232P	3.113	65.041	112.158	30.618	0.27953	2.69312	3	X
K14KG3X	17.7	0.15	K232P	214.859	95.101	169.656	2.664	0.08496	3.05749	6	V
K14N95X	17.7	0.15	K232P	244.751	235.823	60.071	11.078	0.20712	3.01549	2	V
K14Ol7T	18.4	0.15	K232P	231.572	16.881	342.124	7.757	0.17393	2.88082	2	V
K14QL6R	17.5	0.15	K232P	183.024	24.252	314.301	8.261	0.07826	3.16620	4	V
K14Qx0F	18.0	0.15	K232P	222.319	202.200	143.549	10.414	0.09984	3.02209	2	V
K14SE9V	16.9	0.15	K232P	337.247	122.984	144.147	15.526	0.12693	2.86493	12	X
K14Ww4O	18.3	0.15	K232P	310.042	79.779	32.923	4.554	0.13835	2.61064	3	V
K15A62A	18.7	0.15	K232P	273.182	334.815	144.017	3.871	0.13998	2.75666	3	V
K15AJ5F	19.7	0.15	K232P	18.562	209.008	4.576	2.339	0.16733	2.34986	2	V
K15AR6U	19.3	0.15	K232P	291.808	130.652	137.477	23.086	0.07257	1.86126	5	X
K15BE2C	18.0	0.15	K232P	1.362	34.769	46.100	7.075	0.04497	2.65726	3	V
K15C14Q	17.8	0.15	K232P	334.420	85.696	140.490	21.808	0.25227	2.44765	6	X
K15C22W	18.4	0.15	K232P	346.113	69.286	149.532	24.283	0.06470	1.87692	6	X
K15DV5Q	17.7	0.15	K232P	263.677	6.495	54.292	10.034	0.08753	3.05902	3	V
K15E74U	17.8	0.15	K232P	290.814	98.762	153.470	24.200	0.06045	1.92878	9	X
K15Fb3L	17.9	0.15	K232P	258.503	157.280	158.188	24.391	0.07516	1.90586	10	X
K15HI3Q	18.2	0.15	K232P	338.594	78.540	146.794	23.051	0.07413	1.91153	8	X
K15Ka3L	19.6	0.15	K232P	19.426	192.623	76.150	11.765	0.19473	2.37260	5	V
K15P97O	19.5	0.15	K232P	345.122	324.100	359.393	0.968	0.19221	2.44278	2	V
K15PA9J	18.0	0.15	K232P	189.030	194.728	125.512	11.520	0.08214	2.88221	3	V
K15PB2W	19.9	0.15	K232P	339.649	6.811	333.067	1.638	0.22636	2.43264	2	V
K15Pa6U	18.4	0.15	K232P	157.707	352.552	7.735	2.838	0.08684	2.89025	2	V
K15Q42L	19.0	0.15	K232P	277.060	255.234	145.954	1.372	0.21192	2.48853	2	V

K15RF4Q	18.5	0.15	K232P	227.430	176.118	164.232	6.730	0.11203	2.77117	2	V
K15Rb8F	19.0	0.15	K232P	266.662	213.705	139.657	4.066	0.14587	2.63016	3	V
K15Rb8G	18.9	0.15	K232P	353.655	199.131	82.078	0.851	0.14580	2.58556	3	V
K15Rb8H	17.5	0.15	K232P	111.032	51.154	340.439	11.248	0.09777	3.02199	3	V
K15VA5T	16.7	0.15	K232P	327.575	39.053	301.930	15.601	0.23609	2.56403	7	X
K15VL7F	18.5	0.15	K232P	260.650	268.062	77.293	3.728	0.17081	2.74394	2	V
K15VL7G	17.7	0.15	K232P	213.698	271.060	52.324	10.376	0.10198	3.02044	3	V
K16Cf0S	17.3	0.15	K232P	134.857	336.438	125.066	10.537	0.06874	3.17061	5	V
K16H46M	18.6	0.15	K232P	232.760	268.579	224.762	6.660	0.17238	2.79351	4	V
K16L03Q	17.6	0.15	K232P	352.785	64.916	133.807	23.148	0.21677	2.29443	5	X
K16NI4Z	18.7	0.15	K232P	305.356	204.221	104.387	3.455	0.22955	2.32118	4	V
K16UA1J	20.4	0.15	K232P	218.973	109.677	239.975	26.688	0.22103	1.25462	4	X
K16UM1R	18.6	0.15	K232P	132.179	313.206	65.289	3.849	0.06259	2.83481	2	V
K16V04H	18.1	0.15	K232P	36.594	297.858	215.598	39.664	0.29144	1.97795	6	X
K17B08R	16.7	0.15	K232P	354.118	73.339	116.857	26.760	0.25615	3.18881	6	X
K17BA9J	18.2	0.15	K232P	258.213	160.393	144.729	24.539	0.08072	1.96694	6	X
K17UK9K	20.1	0.15	K232P	233.632	235.121	142.912	0.575	0.21533	2.23934	3	V
K17W01H	19.6	0.15	K232P	317.901	34.730	259.268	3.550	0.45279	2.12477	3	X
K18B06X	18.7	0.15	K232P	27.317	48.130	96.152	26.530	0.09026	1.81825	7	X
K18B48T	18.0	0.15	K232P	129.224	239.285	166.004	5.720	0.07112	2.73859	3	V
K18F64Z	17.7	0.15	K232P	8.553	347.018	174.635	8.978	0.02831	2.97083	4	V
K18K02Z	18.5	0.15	K232P	263.907	157.340	152.471	23.601	0.04314	1.82650	8	X
K19AC5J	19.1	0.15	K232P	28.731	42.885	100.574	6.160	0.07517	2.36399	3	V
K19GG1K	18.2	0.15	K232P	277.376	169.645	112.181	3.238	0.28512	2.58904	5	V
K19GG1L	18.4	0.15	K232P	358.385	81.714	74.026	7.317	0.10742	2.62281	4	V
K19GG1M	19.1	0.15	K232P	326.153	183.495	53.211	1.764	0.14860	2.46529	2	V
K19GG1N	18.6	0.15	K232P	301.641	153.737	99.975	9.901	0.12868	2.56484	3	V
K19GG1O	19.0	0.15	K232P	336.455	68.772	168.886	4.553	0.07918	2.39496	2	V
K19GG1P	19.2	0.15	K232P	23.116	73.361	106.565	3.577	0.13372	2.44887	3	V
K19GG1Q	18.8	0.15	K232P	11.031	265.468	252.321	0.912	0.13343	2.62481	5	V
K19GG1R	18.0	0.15	K232P	299.473	163.269	69.904	5.389	0.05618	2.65673	4	V
K19JC7Y	18.5	0.15	K232P	330.627	13.021	222.281	16.274	0.07757	2.56889	3	V
K19JC7Z	19.0	0.15	K232P	344.506	311.129	255.450	3.969	0.20016	2.60866	2	V
K19JC8A	19.2	0.15	K232P	301.377	185.282	106.302	6.950	0.18943	2.51789	2	V
K19JC8B	18.7	0.15	K232P	39.989	12.287	141.172	3.486	0.12306	2.56288	4	V
K19K67C	18.4	0.15	K232P	293.309	237.826	38.005	0.514	0.09525	2.63309	4	V
K19K67D	18.1	0.15	K232P	7.177	137.518	69.400	4.831	0.13837	2.52596	3	V
K19K67E	19.3	0.15	K232P	314.788	78.701	175.414	11.599	0.26873	2.63933	3	V
K19K67F	18.9	0.15	K232P	294.992	83.346	203.704	8.256	0.15525	2.58186	2	V
K19L36H	18.8	0.15	K232P	318.375	26.223	232.684	14.417	0.08683	2.55101	3	V
K19L36J	18.4	0.15	K232P	337.045	161.587	71.723	6.176	0.08285	2.60097	4	V
K19L36K	17.9	0.15	K232P	211.009	106.525	249.580	5.202	0.06986	2.67502	3	V
K19L36L	18.0	0.15	K232P	293.767	208.249	90.164	13.055	0.18317	2.67757	2	V
K19L36M	17.1	0.15	K232P	276.506	7.032	251.639	20.722	0.06023	3.10984	2	V
K19M35O	18.1	0.15	K232P	340.635	101.617	89.623	15.278	0.26043	2.71335	2	V
K19M35P	18.3	0.15	K232P	324.658	129.503	133.916	13.275	0.12115	2.54156	3	V
K19N03M	16.5	0.15	K232P	263.024	211.519	106.872	34.433	0.22039	2.62492	11	X
K19N97H	17.9	0.15	K232P	301.192	326.880	310.128	7.462	0.11717	2.76442	5	V
K19N97J	18.3	0.15	K232P	219.778	71.437	324.812	4.283	0.13987	2.71844	4	V
K19O47C	18.3	0.15	K232P	276.272	177.648	139.510	5.097	0.19412	2.78067	4	V
K19O47D	17.2	0.15	K232P	249.811	329.256	304.974	1.976	0.15094	3.18789	4	V
K19O47E	18.0	0.15	K232P	287.489	245.161	54.932	2.911	0.07728	2.83153	4	V
K19O47F	17.8	0.15	K232P	301.184	90.241	154.371	15.845	0.25504	2.91935	4	V
K19P79X	17.3	0.15	K232P	262.791	151.279	122.770	2.758	0.07442	3.20725	4	V
K19R94K	18.0	0.15	K232P	288.702	164.037	154.565	16.262	0.19317	2.76512	3	V
K19SK8Q	17.3	0.15	K232P	355.722	222.522	2.743	8.532	0.03781	3.05110	5	V
K19SK8R	17.2	0.15	K232P	285.138	231.438	41.344	19.201	0.18575	3.15227	3	V
K19SK8S	17.2	0.15	K232P	274.983	272.081	47.604	26.195	0.17274	3.18336	3	V
K19SK8T	20.2	0.15	K232P	17.876	190.112	164.304	3.263	0.24992	2.26817	4	V
K19UE3X	19.1	0.15	K232P	320.691	76.595	332.466	6.109	0.09868	2.36036	4	V
K19X04G	18.2	0.15	K232P	339.244	89.748	122.501	24.188	0.05973	1.96151	6	X
K19Y45X	17.2	0.15	K232P	187.892	222.986	248.381	26.284	0.20033	3.17661	4	V
K20D05B	19.2	0.15	K232P	323.943	188.860	77.806	11.705	0.51723	2.12970	4	X
K20D18K	19.0	0.15	K232P	301.013	117.608	157.931	25.356	0.12962	1.93258	2	X
K20HH3L	14.7	0.15	K232P	36.890	243.145	23.777	8.537	0.04235	5.27853	4	V
K20K57J	19.5	0.15	K232P	294.653	181.640	81.065	2.975	0.19754	2.19695	3	V
K20K57K	19.6	0.15	K232P	310.273	174.503	65.834	4.759	0.12192	2.17628	2	V
K20K57L	18.0	0.15	K232P	191.121	350.713	338.922	10.306	0.25179	2.47208	4	V
K20M54Z	18.0	0.15	K232P	176.903	31.738	302.905	12.709	0.20664	2.79804	4	V
K20OC1D	19.0	0.15	K232P	295.345	209.100	43.829	3.825	0.09700	2.38708	3	V
K20OC1E	17.9	0.15	K232P	185.503	304.634	27.640	4.107	0.10870	2.78675	4	V
K20OC1F	17.7	0.15	K232P	164.999	158.521	174.422	12.225	0.10501	3.14312	4	V
K20OC1G	19.1	0.15	K232P	303.072	290.733	326.461	5.501	0.12086	2.32790	3	V
K20P98B	18.0	0.15	K232P	70.841	143.958	344.370	22.102	0.06451	2.58363	4	V
K20P98C	17.6	0.15	K232P	75.359	53.926	38.833	12.116	0.01754	2.84055	4	V
K20Q97V	17.7	0.15	K232P	316.207	350.357	229.181	11.868	0.03348	2.85960	4	V
K20RF0W	18.1	0.15	K232P	219.104	129.077	174.274	19.512	0.18960	2.91939	4	V
K20RF0X	18.0	0.15	K232P	171.367	194.898	182.521	4.894	0.07201	2.81467	4	V
K20RF0Y	17.9	0.15	K232P	204.281	258.386	80.331	3.125	0.07171	2.84658	4	V
K20W22M	17.1	0.15	K232P	154.224	321.713	85.618	14.891	0.07669	3.07507	5	V
K21J01W	19.9	0.15	K232P	249.103	198.820	141.313	18.512	0.28929	1.49604	4	X
K22A50S	18.6	0.15	K232P	69.069	76.150	79.719	6.748	0.09917	2.63651	3	V
K22B58E	19.3	0.15	K232P	155.570	194.290	249.653	4.572	0.09866	2.18518	3	V
K22C35N	16.5	0.15	K232P	319.485	175.686	118.796	24.976	0.16446	3.12699	7	X
K23K05M	21.0	0.15	K232P	318.155	130.321	84.910	24.364	0.15955	1.18296	2	V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc	C
K12VE4G	19.7	0.15	K232P	61.018	170.787	222.338	5.692	0.18960	2.21193	26	V
K15Xo1U	17.8	0.15	K232P	115.050	230.376	256.896	7.817	0.16267	2.98953	31	V
K15Y39F	18.4	0.15	K232P	255.785	154.543	253.744	34.442	0.28846	2.62260	28	V
K15Y39G	19.4	0.15	K232P	18.070	163.151	310.110	25.826	0.22625	2.29072	40	V
K15Y39H	18.5	0.15	K232P	211.229	246.105	283.812	11.625	0.21360	2.60355	26	V

K16Ac0Y	19.1	0.15	K232P	235.140	27.299	81.536	14.125	0.30035	2.64766	32	V
K16Ac0Z	19.7	0.15	K232P	197.696	22.870	99.783	11.264	0.41796	2.77034	38	V
K16Ac1A	19.0	0.15	K232P	248.586	118.333	341.480	2.433	0.20027	2.63756	33	V
K16Ac1B	19.4	0.15	K232P	253.360	205.209	269.629	3.065	0.18847	2.59944	13	V
K16Ac1C	19.1	0.15	K232P	335.021	352.721	110.565	7.256	0.09457	2.41337	38	V
K16Ac1D	19.6	0.15	K232P	345.372	198.307	285.977	10.892	0.15652	2.34892	28	V
K16Ac1E	18.4	0.15	K232P	185.156	261.291	304.357	12.065	0.22406	2.61473	39	V
K16Ac1F	19.7	0.15	K232P	42.927	110.756	332.383	6.185	0.14546	2.29871	39	V
K16Ac1G	17.3	0.15	K232P	256.009	199.627	127.494	10.530	0.06627	3.09405	13	V
K16Ac1H	17.8	0.15	K232P	202.168	117.492	61.940	13.933	0.19471	2.60369	32	V
K16Ac1J	19.2	0.15	K232P	257.023	295.214	162.974	4.952	0.24500	2.61092	37	V
K16Ac1K	18.7	0.15	K232P	327.457	262.090	137.812	15.293	0.13648	2.55764	37	V
K16Ac1L	17.3	0.15	K232P	125.144	176.802	289.821	26.855	0.07968	3.07871	39	V
K16Ac1M	17.6	0.15	K232P	181.375	276.318	282.773	11.957	0.14064	2.61802	39	V
K16Ac1N	19.6	0.15	K232P	265.831	326.905	133.548	15.060	0.23198	2.58659	27	V
K16Ac1O	18.7	0.15	K232P	207.409	351.782	130.728	17.035	0.21931	2.71835	28	V
K16Ac1P	18.9	0.15	K232P	293.215	145.980	271.202	8.605	0.19148	2.59686	27	V
K16Ac1Q	19.0	0.15	K232P	227.899	203.274	254.348	4.641	0.21162	2.70278	27	V
K16Ac1R	18.4	0.15	K232P	230.939	155.398	302.690	9.424	0.13107	2.68915	31	V
K16Ac1S	18.7	0.15	K232P	204.995	165.603	290.573	15.735	0.22232	2.77167	31	V
K16Ac1T	18.0	0.15	K232P	188.057	236.483	295.955	12.242	0.19537	2.66479	31	V
K16Ac1U	18.7	0.15	K232P	154.664	247.813	296.799	13.137	0.24731	2.77550	36	V
K16Ac1V	17.8	0.15	K232P	124.205	123.251	333.722	8.458	0.13770	3.13478	32	V
K16Ac1W	19.1	0.15	K232P	52.801	280.359	135.375	17.892	0.12512	2.32136	32	V
K16Ac1X	17.9	0.15	K232P	107.725	216.158	268.129	15.621	0.21890	3.11405	32	V
K16Ac1Y	20.1	0.15	K232P	356.854	299.813	184.205	7.186	0.24007	2.32946	10	V
K16Ac1Z	18.7	0.15	K232P	251.613	193.653	268.501	12.642	0.13332	2.64871	32	V
K16Ac2A	18.8	0.15	K232P	261.286	282.134	217.322	11.470	0.08736	2.54126	30	V
K16Ac2B	19.2	0.15	K232P	358.885	281.680	153.396	22.922	0.21604	2.41044	30	V
K16Ac2C	19.4	0.15	K232P	219.519	268.092	287.876	25.422	0.44739	2.61792	32	V
K16Ac2D	19.4	0.15	K232P	255.487	344.430	107.388	25.422	0.09759	1.93994	14	V
K16Ac2E	18.3	0.15	K232P	171.528	200.410	0.241	9.934	0.16280	2.65030	21	V
K16Ac2F	18.9	0.15	K232P	258.173	115.512	333.282	12.331	0.21969	2.63874	21	V
K16Ac2G	16.7	0.15	K232P	25.900	322.753	278.115	26.214	0.23091	3.15048	28	V
K16BD9Z	21.1	0.15	K232P	228.097	122.237	23.110	7.014	0.26697	1.92318	30	V
K16BE0A	18.7	0.15	K232P	213.711	227.976	316.896	31.063	0.13391	2.58114	28	V
K16BE0B	17.4	0.15	K232P	3.268	149.954	110.343	8.760	0.10483	3.05217	26	V
K16BE0C	19.9	0.15	K232P	252.074	31.699	109.284	6.402	0.24211	2.57594	7	V
K16BE0D	17.3	0.15	K232P	154.752	75.715	328.387	15.422	0.20171	3.18950	16	V
K16BE0E	20.1	0.15	K232P	43.494	335.849	124.141	1.745	0.16900	2.27827	14	V
K16BE0F	18.9	0.15	K232P	249.196	262.952	265.710	7.158	0.07594	2.53247	20	V
K16BE0G	19.5	0.15	K232P	356.374	218.121	307.364	23.704	0.20339	2.26893	24	V
K16BE0H	17.8	0.15	K232P	66.021	231.933	316.831	19.239	0.25252	3.11450	33	V
K16Ce9L	18.7	0.15	K232P	227.676	130.900	0.183	1.933	0.14555	2.63606	9	V
K16Ce9M	18.7	0.15	K232P	237.625	27.052	117.115	13.585	0.22624	2.64957	36	V
K16Ce9N	18.3	0.15	K232P	90.697	17.991	128.607	15.799	0.17247	3.15706	29	V
K16Ce9O	18.4	0.15	K232P	183.254	63.231	88.241	6.101	0.10110	2.77187	29	V
K16Ce9P	18.8	0.15	K232P	217.965	260.868	225.045	13.663	0.29251	2.69516	28	V
K16Ce9Q	17.6	0.15	K232P	55.680	115.809	90.775	2.531	0.11143	3.12991	28	V
K16Ce9R	17.7	0.15	K232P	99.005	185.576	334.912	8.446	0.09620	3.07636	19	V
K16Ce9S	19.5	0.15	K232P	326.545	145.126	40.238	2.551	0.13540	2.33017	28	V
K16Ce9T	18.7	0.15	K232P	116.343	132.867	347.751	15.415	0.26794	3.09907	27	V
K16Ce9U	18.1	0.15	K232P	163.797	159.696	72.769	16.132	0.04200	2.63033	32	V
K16Ce9V	19.0	0.15	K232P	201.445	23.203	116.024	20.320	0.20482	2.77266	31	V
K16Ce9W	17.6	0.15	K232P	143.310	37.391	42.552	18.767	0.26010	3.14213	31	V
K16Ce9X	17.9	0.15	K232P	176.534	163.978	72.951	16.254	0.23762	2.63587	32	V
K16Ce9Y	17.5	0.15	K232P	89.916	285.785	277.840	16.173	0.05532	3.00811	27	V
K16Ce9Z	19.6	0.15	K232P	210.732	261.630	302.553	25.154	0.27826	2.59150	30	V
K16Cf0A	18.8	0.15	K232P	89.847	219.806	287.847	16.089	0.23333	3.15299	28	V
K16Cf0B	17.9	0.15	K232P	176.526	200.827	247.372	10.120	0.08346	2.98338	29	V
K16Cf0C	18.9	0.15	K232P	185.930	32.870	155.347	7.122	0.15762	2.70589	34	V
K16Cf0D	19.7	0.15	K232P	80.094	293.080	159.581	3.280	0.12169	2.24797	34	V
K16Cf0E	18.8	0.15	K232P	31.104	95.996	335.477	4.586	0.07533	2.37789	27	V
K16Cf0F	18.9	0.15	K232P	170.881	233.540	322.439	27.362	0.25205	2.74928	35	V
K16Cf0G	19.3	0.15	K232P	234.376	229.653	271.881	0.671	0.16274	2.65331	33	V
K16Cf0H	19.3	0.15	K232P	332.824	76.399	62.998	8.914	0.14450	2.36873	27	V
K16Cf0J	17.2	0.15	K232P	7.692	36.385	208.194	10.516	0.08257	3.11734	28	V
K16Cf0K	19.1	0.15	K232P	238.033	254.179	208.830	12.031	0.22722	2.68860	26	V
K16Cf0L	19.3	0.15	K232P	332.723	251.267	253.087	8.282	0.14311	2.36196	25	V
K16Cf0M	18.1	0.15	K232P	187.908	3.057	222.263	13.241	0.11608	2.55197	26	V
K16Cf0N	18.9	0.15	K232P	250.421	3.388	127.873	3.382	0.15008	2.63473	30	V
K16Cf0O	18.8	0.15	K232P	245.714	343.880	155.197	4.814	0.13067	2.63000	30	V
K16Cf0P	19.1	0.15	K232P	342.507	250.503	248.220	4.958	0.12911	2.38628	32	V
K16Cf0Q	17.7	0.15	K232P	108.336	216.950	295.558	12.417	0.07911	3.10811	32	V
K16Cf0R	18.4	0.15	K232P	109.374	259.996	249.270	8.893	0.17950	3.10425	32	V
K16D46A	19.5	0.15	K232P	330.126	330.365	219.814	6.600	0.18787	2.32900	30	V
K16EZ0C	18.6	0.15	K232P	19.911	12.766	71.956	2.579	0.14327	2.38531	8	V
K16EZ0D	17.9	0.15	K232P	106.559	299.688	202.121	15.068	0.18378	3.15564	32	V
K16EZ0E	19.3	0.15	K232P	29.266	110.816	9.818	6.234	0.11456	2.30869	9	V
K16EZ0F	20.4	0.15	K232P	336.585	180.640	11.922	5.815	0.24747	2.30919	22	V
K16EZ0G	19.2	0.15	K232P	219.256	42.051	156.551	2.778	0.22819	2.63230	30	V
K16EZ0H	17.9	0.15	K232P	183.431	4.202	233.571	16.077	0.07471	2.58175	22	V
K16EZ0J	18.5	0.15	K232P	237.091	286.051	217.190	8.642	0.12541	2.65213	24	V
K16EZ0K	19.6	0.15	K232P	343.687	332.590	180.275	23.622	0.18931	2.34653	25	V
K16EZ0L	18.2	0.15	K232P	176.066	351.044	177.599	26.108	0.13674	2.78393	25	V
K16EZ0M	17.1	0.15	K232P	17.234	289.419	318.203	24.867	0.21236	3.20707	24	V
K16EZ0N	18.3	0.15	K232P	172.914	239.465	8.874	15.721	0.13957	2.63070	28	V
K16EZ0O	17.5	0.15	K232P	61.895	213.312	19.706	8.731	0.13384	3.09845	28	V
K16EZ0P	19.6	0.15	K232P	355.090	219.295	2.636	5.705	0.10665	2.23131	24	V
K16EZ0Q	18.7	0.15	K232P	203.786	141.733	12.577	7.984	0.12151	2.77731	28	V
K16EZ0R	19.8	0.15	K232P	300.701	5.443	208.959	1.877	0.17659	2.37339	23	V
K16EZ0S	18.1	0.15	K232P	30.484	69.553	181.375	16.505	0.20376	3.17347	26	V
K16EZ0T	19.3	0.15	K232P	294.105	53.934	170.250	3.725	0.18126	2.37023	24	V

K16EZ0U	18.8	0.15	K232P	266.386	130.152	17.783	2.644	0.10797	2.60049	28	V
K16EZ0V	18.2	0.15	K232P	180.490	207.545	351.801	13.783	0.12342	2.71324	25	V
K16EZ0W	19.3	0.15	K232P	305.314	126.652	102.328	12.006	0.19547	2.32999	27	V
K16EZ0X	18.7	0.15	K232P	186.025	147.740	108.201	13.254	0.15405	2.55155	27	V
K16EZ0Y	18.7	0.15	K232P	177.243	162.842	57.747	13.626	0.21795	2.68853	38	V
K16EZ0Z	18.5	0.15	K232P	320.589	14.145	58.972	12.897	0.24844	2.55619	26	V
K16EZ1A	18.9	0.15	K232P	302.860	31.342	195.056	24.174	0.15306	2.36476	36	V
K16EZ1B	20.3	0.15	K232P	203.635	22.083	193.250	20.989	0.04325	1.90623	37	V
K16EZ1C	18.4	0.15	K232P	120.308	335.217	211.061	5.354	0.13006	3.01885	36	V
K16EZ1D	18.9	0.15	K232P	254.178	330.998	206.896	9.244	0.14173	2.57361	36	V
K16EZ1E	18.6	0.15	K232P	211.644	198.808	8.581	34.984	0.24190	2.60049	30	V
K16EZ1F	18.8	0.15	K232P	267.754	288.875	326.179	21.430	0.26609	2.38231	27	V
K16EZ1G	18.4	0.15	K232P	142.023	191.225	59.105	8.295	0.22650	2.70520	27	V
K16EZ1H	19.1	0.15	K232P	198.960	169.077	36.289	13.350	0.22407	2.63628	23	V
K16EZ1J	19.0	0.15	K232P	281.443	124.661	35.321	4.696	0.11065	2.53607	31	V
K16EZ1K	18.6	0.15	K232P	184.443	22.786	169.581	9.171	0.21823	2.77285	30	V
K16FG5L	18.6	0.15	K232P	283.935	184.671	52.496	13.109	0.21086	2.38505	24	V
K16FG5M	18.8	0.15	K232P	210.121	73.227	155.741	12.575	0.17791	2.59473	36	V
K16FG5N	17.0	0.15	K232P	32.952	239.997	53.314	15.041	0.30016	3.09686	98	V
K16FG5O	18.3	0.15	K232P	65.701	216.211	9.946	23.615	0.21829	3.12301	13	V
K16FG5P	19.2	0.15	K232P	265.069	218.160	10.030	10.912	0.17368	2.44282	13	V
K16GZ3Y	19.4	0.15	K232P	343.965	139.995	61.091	3.831	0.08186	2.31048	8	V
K16GZ3Z	19.3	0.15	K232P	228.806	166.068	32.555	10.285	0.13994	2.59870	8	V
K16GZ4A	19.0	0.15	K232P	116.743	37.715	19.439	7.928	0.07111	2.32143	7	V
K16GZ4B	18.4	0.15	K232P	152.527	138.289	101.662	5.314	0.15068	2.75816	26	V
K16GZ4C	17.8	0.15	K232P	66.157	232.772	30.072	13.563	0.18615	3.00649	7	V
K16GZ4D	18.8	0.15	K232P	88.496	95.818	107.832	2.422	0.14206	3.09678	8	V
K16GZ4E	19.3	0.15	K232P	2.226	141.606	56.527	4.960	0.10262	2.28340	25	V
K16GZ4F	19.0	0.15	K232P	213.258	95.260	60.182	26.404	0.32665	2.74395	24	V
K16GZ4G	19.8	0.15	K232P	293.820	142.581	66.163	2.303	0.12761	2.40557	9	V
K16GZ4H	19.8	0.15	K232P	23.559	197.776	39.906	5.607	0.06218	2.15835	8	V
K16GZ4J	18.7	0.15	K232P	221.196	173.231	52.174	35.677	0.17362	2.62127	33	V
K16GZ4K	19.0	0.15	K232P	312.510	195.180	4.219	6.807	0.17713	2.38823	28	V
K16GZ4L	18.4	0.15	K232P	104.011	338.594	227.361	4.021	0.16946	3.05143	28	V
K16H46H	19.2	0.15	K232P	287.269	145.364	99.298	3.098	0.16522	2.39307	21	V
K16H46J	18.9	0.15	K232P	260.629	160.663	112.015	2.519	0.16246	2.40892	21	V
K16H46K	19.0	0.15	K232P	234.191	224.982	92.394	5.335	0.36739	2.43367	21	V
K16H46L	18.0	0.15	K232P	228.971	211.700	107.212	25.353	0.17813	2.38324	27	V
K16J79X	18.9	0.15	K232P	204.415	116.017	153.614	13.114	0.19098	2.59780	28	V
K16LA3A	18.7	0.15	K232P	173.172	215.904	104.804	15.238	0.28085	2.61077	30	V
K16LA3B	18.8	0.15	K232P	176.303	117.846	192.388	12.744	0.18540	2.59997	24	V
K16LA3C	18.1	0.15	K232P	145.517	16.467	241.375	11.913	0.15055	2.95277	34	V
K16LA3D	18.1	0.15	K232P	174.611	31.121	245.259	31.646	0.14816	2.68186	24	V
K16LA3E	18.6	0.15	K232P	188.803	0.947	246.097	13.330	0.21308	2.69433	27	V
K16NI3F	18.8	0.15	K232P	178.888	230.589	127.038	32.788	0.22097	2.58132	35	V
K16NI3G	18.3	0.15	K232P	170.783	40.957	304.010	12.095	0.18706	2.64104	30	V
K16NI3H	18.6	0.15	K232P	174.160	226.329	139.312	14.130	0.17741	2.58046	30	V
K16NI3J	19.4	0.15	K232P	332.676	291.980	356.316	3.547	0.22673	2.29290	34	V
K16NI3K	19.3	0.15	K232P	339.829	350.632	319.278	4.467	0.13174	2.23961	30	V
K16NI3L	18.9	0.15	K232P	237.499	277.587	358.501	1.618	0.17415	2.55669	34	V
K16NI3M	19.3	0.15	K232P	267.853	276.133	38.556	1.765	0.18995	2.40270	34	V
K16NI3N	19.5	0.15	K232P	312.151	70.116	275.984	4.134	0.22817	2.26308	25	V
K16NI3O	18.8	0.15	K232P	167.740	342.625	318.187	16.309	0.32303	2.73291	34	V
K16NI3P	19.5	0.15	K232P	317.657	316.182	10.654	6.250	0.26479	2.28437	36	V
K16NI3Q	19.6	0.15	K232P	298.711	267.944	30.973	4.994	0.17527	2.36650	36	V
K16NI3R	19.3	0.15	K232P	191.060	317.629	7.777	4.598	0.23276	2.61266	36	V
K16NI3S	19.3	0.15	K232P	335.442	149.714	144.087	4.272	0.24109	2.27715	33	V
K16NI3T	18.8	0.15	K232P	195.336	146.110	126.282	11.849	0.22394	2.68870	32	V
K16NI3U	19.5	0.15	K232P	293.334	146.003	185.512	4.007	0.24234	2.34668	28	V
K16NI3V	18.4	0.15	K232P	211.044	209.803	105.515	5.824	0.21222	2.59964	36	V
K16NI3W	19.4	0.15	K232P	296.442	320.266	289.150	20.568	0.02299	1.83057	30	V
K16NI3X	18.7	0.15	K232P	216.413	120.332	195.417	11.330	0.21202	2.55383	29	V
K16NI3Y	19.2	0.15	K232P	183.483	123.762	201.747	10.973	0.21183	2.63290	29	V
K16NI3Z	18.3	0.15	K232P	163.887	196.436	193.639	12.679	0.16563	2.53859	29	V
K16NI4A	19.4	0.15	K232P	21.055	332.665	306.747	6.637	0.20606	2.20954	26	V
K16NI4B	19.7	0.15	K232P	304.448	107.189	197.524	9.769	0.28313	2.33615	28	V
K16NI4C	18.5	0.15	K232P	233.500	44.363	240.533	13.433	0.13537	2.57992	26	V
K16NI4D	18.8	0.15	K232P	182.897	134.283	235.360	10.099	0.22783	2.55599	26	V
K16NI4E	18.8	0.15	K232P	225.133	60.536	210.847	11.884	0.12432	2.63445	26	V
K16NI4F	17.9	0.15	K232P	152.111	251.385	102.206	10.652	0.19751	2.73561	31	V
K16NI4G	19.3	0.15	K232P	117.838	228.291	103.314	14.394	0.38390	2.85886	29	V
K16NI4H	20.5	0.15	K232P	328.262	345.862	308.720	9.220	0.32291	2.28842	27	V
K16NI4J	19.1	0.15	K232P	145.366	12.224	309.371	13.095	0.23450	2.75756	27	V
K16NI4K	18.6	0.15	K232P	172.841	254.343	100.791	10.425	0.22287	2.59280	26	V
K16NI4L	19.4	0.15	K232P	189.509	259.681	86.323	6.009	0.28292	2.57258	26	V
K16NI4M	20.0	0.15	K232P	330.410	160.203	133.027	6.999	0.20950	2.29455	30	V
K16NI4N	18.1	0.15	K232P	141.571	324.579	27.897	9.818	0.34853	2.73789	27	V
K16NI4O	18.8	0.15	K232P	180.926	235.792	126.553	17.503	0.17812	2.56524	25	V
K16NI4P	20.3	0.15	K232P	8.786	219.915	78.782	1.053	0.17573	2.20950	25	V
K16NI4Q	20.1	0.15	K232P	300.906	196.519	116.692	3.103	0.20439	2.33908	25	V
K16NI4R	17.5	0.15	K232P	87.991	155.584	125.634	11.679	0.03584	3.18048	25	V
K16NI4S	18.6	0.15	K232P	140.392	261.082	125.428	5.748	0.24218	2.64612	25	V
K16NI4T	19.3	0.15	K232P	219.887	334.357	328.679	2.857	0.17691	2.57122	25	V
K16NI4U	18.0	0.15	K232P	192.048	108.233	113.421	4.056	0.13446	2.90608	25	V
K16NI4V	19.4	0.15	K232P	208.919	195.138	120.178	5.335	0.19039	2.58612	25	V
K16NI4W	18.6	0.15	K232P	173.218	22.371	305.982	1.162	0.05456	2.64652	30	V
K16NI4X	19.4	0.15	K232P	202.669	217.167	122.914	4.343	0.31957	2.56539	25	V
K16NI4Y	20.0	0.15	K232P	291.862	222.829	96.359	1.233	0.21337	2.35496	25	V
K16PR6A	18.3	0.15	K232P	218.494	244.181	25.482	3.784	0.20067	2.64824	38	V
K16PR6B	19.5	0.15	K232P	274.789	39.023	329.648	10.671	0.17621	2.30531	26	V
K16PR6C	19.0	0.15	K232P	182.875	230.194	125.496	14.373	0.19259	2.57787	26	V
K16PR6D	19.6	0.15	K232P	321.351	295.914	39.768	3.681	0.19533	2.25747	26	V
K16PR6E	19.6	0.15	K232P	291.431	282.567	43.437	1.869	0.20120	2.33894	26	V

K16PR6F	18.8	0.15	K232P	200.331	201.913	109.307	3.743	0.20529	2.61421	26	V
K16PR6G	19.5	0.15	K232P	287.446	215.792	75.276	2.194	0.17815	2.40735	26	V
K16PR6H	18.1	0.15	K232P	67.379	257.067	129.780	15.291	0.15341	2.87734	26	V
K16PR6J	19.2	0.15	K232P	184.140	350.751	318.450	12.901	0.17418	2.67437	26	V
K16PR6K	19.6	0.15	K232P	263.043	209.211	128.749	7.294	0.16434	2.38576	26	V
K16PR6L	19.3	0.15	K232P	196.737	309.141	8.699	3.545	0.21633	2.62004	38	V
K16PR6M	19.2	0.15	K232P	333.663	316.492	337.404	6.845	0.15982	2.30160	38	V
K16PR6N	17.4	0.15	K232P	110.701	127.677	130.799	17.695	0.09302	3.16040	38	V
K16PR6O	19.5	0.15	K232P	310.652	310.262	352.303	6.362	0.13132	2.34316	38	V
K16PR6P	19.6	0.15	K232P	7.196	137.817	120.516	4.674	0.18970	2.27447	26	V
K16PR6Q	20.1	0.15	K232P	340.602	330.984	357.736	2.130	0.20699	2.22409	26	V
K16PR6R	19.3	0.15	K232P	281.108	7.531	351.549	4.211	0.17267	2.31526	38	V
K16PR6S	18.8	0.15	K232P	228.939	254.365	27.274	3.174	0.19132	2.59809	38	V
K16PR6T	19.0	0.15	K232P	205.853	295.023	7.641	2.163	0.19433	2.62448	38	V
K16PR6U	19.9	0.15	K232P	283.166	354.430	15.833	3.216	0.20878	2.29535	38	V
K16PR6V	19.3	0.15	K232P	207.390	343.365	324.394	3.934	0.20700	2.59900	26	V
K16PR6W	17.5	0.15	K232P	81.048	199.461	102.369	18.824	0.19382	3.18493	37	V
K16PR6X	18.8	0.15	K232P	64.866	235.669	95.598	15.418	0.29135	3.14567	37	V
K16PR6Y	20.1	0.15	K232P	21.189	332.300	350.118	4.273	0.25627	2.15829	38	V
K16PR6Z	19.2	0.15	K232P	175.274	354.599	336.527	12.426	0.29431	2.66354	38	V
K16PR7A	19.3	0.15	K232P	211.775	187.406	123.244	20.879	0.23011	2.58120	9	V
K16PR7B	19.9	0.15	K232P	116.227	24.132	319.581	18.820	0.05037	1.95390	26	V
K16PR7C	19.9	0.15	K232P	277.834	230.663	104.670	7.161	0.29265	2.36851	26	V
K16PR7D	20.1	0.15	K232P	312.126	4.492	336.176	9.536	0.24775	2.27822	38	V
K16PR7E	19.4	0.15	K232P	233.555	225.478	119.199	15.468	0.16523	2.45495	26	V
K16PR7F	18.6	0.15	K232P	167.343	329.173	319.838	15.667	0.25356	2.76972	38	V
K16PR7G	18.7	0.15	K232P	70.830	321.781	30.530	5.721	0.26962	3.01418	26	V
K16PR7H	19.4	0.15	K232P	278.931	260.785	33.640	2.602	0.21754	2.41950	26	V
K16PR7J	19.4	0.15	K232P	294.711	255.130	49.974	3.707	0.21385	2.36538	26	V
K16PR7K	20.4	0.15	K232P	333.460	239.909	109.050	2.879	0.24864	2.21662	26	V
K16PR7L	20.1	0.15	K232P	327.580	298.607	1.385	6.181	0.19409	2.30142	38	V
K16PR7M	18.5	0.15	K232P	169.780	214.661	107.097	9.986	0.13094	2.69921	26	V
K16PR7N	19.9	0.15	K232P	274.279	9.126	327.022	5.658	0.23164	2.36740	26	V
K16PR7O	20.0	0.15	K232P	301.958	261.247	90.604	2.204	0.19522	2.28179	38	V
K16PR7P	19.9	0.15	K232P	316.269	359.257	318.837	3.195	0.18709	2.29258	26	V
K16PR7Q	18.1	0.15	K232P	175.881	244.684	57.891	6.699	0.13058	2.74890	9	V
K16PR7R	19.6	0.15	K232P	266.891	256.811	96.825	7.994	0.25465	2.37084	28	V
K16PR7S	19.8	0.15	K232P	194.214	326.191	355.417	6.154	0.27422	2.62807	32	V
K16PR7T	19.9	0.15	K232P	296.595	241.362	67.766	3.422	0.20066	2.36542	32	V
K16PR7U	17.8	0.15	K232P	102.794	148.666	136.344	19.178	0.26864	3.05308	36	V
K16PR7V	20.0	0.15	K232P	313.262	235.188	117.836	9.008	0.19981	2.26016	9	V
K16PR7W	19.3	0.15	K232P	268.421	302.520	63.538	2.430	0.19660	2.33959	32	V
K16PR7X	19.9	0.15	K232P	302.726	266.393	19.347	4.902	0.23920	2.38487	9	V
K16PR7Y	19.4	0.15	K232P	268.045	238.299	94.490	3.484	0.22365	2.40072	32	V
K16PR7Z	20.4	0.15	K232P	262.590	350.580	6.543	6.865	0.28002	2.37784	20	V
K16PR8A	19.5	0.15	K232P	216.622	264.832	52.212	5.288	0.19481	2.56802	9	V
K16PR8B	19.6	0.15	K232P	332.531	346.595	7.632	6.169	0.20003	2.22078	9	V
K16PR8C	19.0	0.15	K232P	161.965	273.358	61.046	3.703	0.19575	2.70302	37	V
K16PR8D	19.6	0.15	K232P	261.807	10.172	356.273	5.189	0.24451	2.36213	37	V
K16PR8E	19.1	0.15	K232P	136.725	11.929	353.317	7.714	0.22975	2.73235	37	V
K16PR8F	17.9	0.15	K232P	107.258	212.941	120.262	10.771	0.07140	2.91280	37	V
K16PR8G	20.3	0.15	K232P	356.527	231.605	91.768	4.701	0.20408	2.20975	9	V
K16PR8H	19.5	0.15	K232P	311.063	353.776	353.542	7.072	0.18541	2.27411	20	V
K16PR8J	19.3	0.15	K232P	304.133	216.795	101.759	5.995	0.15142	2.34212	25	V
K16PR8K	19.8	0.15	K232P	350.339	183.934	118.889	4.934	0.24609	2.24979	24	V
K16PR8L	19.1	0.15	K232P	189.649	237.639	99.778	5.767	0.23283	2.61585	20	V
K16PR8M	18.2	0.15	K232P	113.613	173.939	108.141	6.233	0.21864	3.02696	37	V
K16PR8N	18.0	0.15	K232P	76.171	312.666	13.907	5.332	0.19705	3.06911	32	V
K16PR8O	18.9	0.15	K232P	162.930	243.069	71.133	4.041	0.17862	2.74605	9	V
K16PR8P	19.6	0.15	K232P	283.850	294.391	354.588	4.968	0.22948	2.42632	32	V
K16PR8Q	19.5	0.15	K232P	312.702	90.569	252.939	1.783	0.19849	2.27035	36	V
K16PR8R	19.6	0.15	K232P	257.212	219.069	102.435	4.494	0.28271	2.45911	25	V
K16PR8S	18.2	0.15	K232P	57.955	211.259	146.703	15.514	0.26530	3.11570	19	V
K16PR8T	20.4	0.15	K232P	329.465	274.151	95.872	5.423	0.30423	2.21381	25	V
K16PR8U	19.6	0.15	K232P	192.624	193.160	117.641	13.844	0.27893	2.65514	36	V
K16PR8V	18.8	0.15	K232P	75.816	291.278	28.155	9.682	0.30594	3.09396	36	V
K16PR8W	19.7	0.15	K232P	146.004	331.191	358.607	6.520	0.31623	2.77860	25	V
K16PR8X	19.2	0.15	K232P	69.982	340.994	333.356	15.981	0.30470	3.12359	37	V
K16PR8Y	17.3	0.15	K232P	307.467	202.593	101.241	13.618	0.26714	3.99141	36	V
K16PR8Z	19.4	0.15	K232P	213.845	215.363	110.354	13.546	0.19857	2.55701	25	V
K16PR9A	20.6	0.15	K232P	345.617	323.497	10.862	5.859	0.21298	2.22163	25	V
K16PR9B	20.6	0.15	K232P	335.779	306.507	7.460	6.210	0.23984	2.26912	25	V
K16PR9C	19.5	0.15	K232P	334.827	293.084	45.221	3.662	0.16209	2.23868	25	V
K16PR9D	18.6	0.15	K232P	96.149	254.876	62.199	5.884	0.26450	3.00906	25	V
K16PR9E	18.4	0.15	K232P	51.368	216.678	127.904	17.421	0.22683	3.14966	36	V
K16PR9F	19.6	0.15	K232P	182.052	290.176	5.985	9.249	0.27531	2.71603	25	V
K16PR9G	19.0	0.15	K232P	227.500	224.534	80.444	8.190	0.22788	2.56487	28	V
K16PR9H	20.5	0.15	K232P	20.054	315.815	357.074	8.605	0.19961	2.17798	25	V
K16PR9J	20.0	0.15	K232P	288.842	313.732	18.001	3.186	0.23332	2.34923	37	V
K16PR9K	18.4	0.15	K232P	66.712	242.107	101.527	8.774	0.21917	3.05592	25	V
K16PR9L	18.9	0.15	K232P	191.085	221.497	102.530	5.052	0.17399	2.63651	25	V
K16PR9M	20.0	0.15	K232P	302.060	306.619	9.386	2.689	0.18643	2.33921	37	V
K16PR9N	18.1	0.15	K232P	200.123	158.725	127.578	5.836	0.13466	2.73555	25	V
K16PR9O	20.4	0.15	K232P	344.711	309.021	22.248	3.663	0.27248	2.22647	25	V
K16PR9P	19.1	0.15	K232P	327.389	51.872	207.306	0.979	0.17716	2.37886	26	V
K16PR9Q	20.5	0.15	K232P	5.663	136.173	189.373	1.814	0.25093	2.18379	36	V
K16PR9R	19.6	0.15	K232P	341.109	32.705	292.851	5.619	0.13833	2.23455	36	V
K16PR9S	19.8	0.15	K232P	293.497	8.780	338.653	1.345	0.20723	2.30987	36	V
K16PR9T	20.1	0.15	K232P	31.741	157.557	159.040	2.385	0.19799	2.14436	36	V
K16PR9U	19.3	0.15	K232P	267.938	208.880	151.399	5.442	0.24659	2.35579	36	V
K16PR9V	19.5	0.15	K232P	336.114	187.610	100.933	2.146	0.17933	2.30296	36	V
K16PR9W	19.6	0.15	K232P	294.221	310.401	15.020	1.390	0.20442	2.34259	36	V
K16PR9X	19.6	0.15	K232P	301.877	216.758	132.097	6.864	0.14829	2.27454	24	V

K16PR9Y	18.7	0.15	K232P	167.406	215.174	126.807	7.709	0.15080	2.66225	36	V
K16PR9Z	18.3	0.15	K232P	90.952	0.003	309.415	16.309	0.19339	3.05672	27	V
K16PS0A	18.8	0.15	K232P	171.412	44.353	291.268	6.867	0.21629	2.67372	27	V
K16PS0B	19.8	0.15	K232P	295.645	76.468	292.925	6.442	0.14088	2.26614	27	V
K16PS0C	19.1	0.15	K232P	294.280	118.200	170.627	2.979	0.16735	2.41350	36	V
K16PS0D	19.7	0.15	K232P	201.342	38.215	291.661	8.984	0.21461	2.59306	27	V
K16PS0E	20.1	0.15	K232P	264.481	52.892	271.344	3.668	0.24151	2.42301	27	V
K16PS0F	18.8	0.15	K232P	177.619	59.122	298.355	13.009	0.12234	2.59605	27	V
K16PS0G	19.7	0.15	K232P	252.479	188.764	144.448	15.270	0.28338	2.44096	36	V
K16PS0H	20.2	0.15	K232P	81.574	233.161	138.535	17.871	0.16194	1.99509	35	V
K16PS0J	19.7	0.15	K232P	183.721	232.584	117.791	7.568	0.29218	2.61738	24	V
K16PS0K	19.0	0.15	K232P	74.316	182.332	176.267	3.528	0.33982	3.00985	36	V
K16PS0L	18.8	0.15	K232P	233.576	263.782	18.008	2.458	0.15431	2.59977	36	V
K16PS0M	19.4	0.15	K232P	306.802	215.747	125.992	6.131	0.14538	2.28830	36	V
K16PS0N	17.8	0.15	K232P	74.102	232.820	120.211	10.587	0.09606	2.99878	24	V
K16PS0O	19.9	0.15	K232P	330.186	10.370	349.402	4.555	0.19585	2.21352	36	V
K16PS0P	19.3	0.15	K232P	326.760	189.984	133.231	6.463	0.14996	2.27556	36	V
K16PS0Q	18.5	0.15	K232P	236.831	285.175	7.976	30.595	0.15737	2.57976	32	V
K16PS0R	19.5	0.15	K232P	164.878	274.514	39.731	8.447	0.29339	2.73166	21	V
K16PS0S	19.7	0.15	K232P	294.593	297.320	86.130	8.810	0.23668	2.25456	21	V
K16PS0T	19.8	0.15	K232P	334.528	266.153	61.061	6.952	0.19239	2.25313	24	V
K16PS0U	18.8	0.15	K232P	176.495	264.069	86.447	12.333	0.32119	2.64488	31	V
K16PS0V	18.6	0.15	K232P	248.982	265.557	21.521	16.738	0.14936	2.55300	32	V
K16PS0W	19.6	0.15	K232P	174.160	249.148	110.459	15.709	0.30369	2.64664	31	V
K16PS0X	19.3	0.15	K232P	142.692	262.843	113.214	15.271	0.32571	2.72667	31	V
K16PS0Y	19.9	0.15	K232P	114.692	264.936	132.112	24.522	0.12147	1.91747	30	V
K16PS0Z	19.9	0.15	K232P	276.190	232.943	117.386	10.540	0.25969	2.36076	31	V
K16PS1A	18.9	0.15	K232P	195.901	242.568	115.637	17.416	0.17499	2.56977	31	V
K16PS1B	19.7	0.15	K232P	312.893	286.449	59.615	6.841	0.20618	2.27971	20	V
K16PS1C	18.6	0.15	K232P	139.146	293.344	104.140	15.908	0.21619	2.66522	31	V
K16PS1D	18.8	0.15	K232P	161.249	311.409	354.986	10.307	0.23325	2.76188	32	V
K16PS1E	19.6	0.15	K232P	317.428	244.702	60.717	6.607	0.17702	2.31336	20	V
K16PS1F	18.3	0.15	K232P	185.321	280.093	37.405	8.605	0.10826	2.65666	20	V
K16PS1G	20.0	0.15	K232P	318.914	305.557	44.594	9.391	0.18700	2.25947	31	V
K16PS1H	20.3	0.15	K232P	21.092	321.379	5.005	4.672	0.31333	2.15200	32	V
K16PS1J	19.0	0.15	K232P	174.463	179.376	118.626	18.779	0.25934	2.72668	20	V
K16PS1K	18.3	0.15	K232P	93.419	266.234	45.512	9.079	0.27696	3.01368	20	V
K16PS1L	19.3	0.15	K232P	298.625	278.039	86.757	7.008	0.28043	2.27451	20	V
K16PS1M	19.7	0.15	K232P	337.553	207.810	83.194	7.701	0.18854	2.30558	31	V
K16PS1N	19.2	0.15	K232P	173.327	216.523	118.463	14.383	0.18552	2.67092	31	V
K16PS1O	18.3	0.15	K232P	115.183	138.741	127.753	16.960	0.29696	3.06222	31	V
K16PS1P	19.5	0.15	K232P	272.123	258.101	81.238	7.349	0.16456	2.38347	31	V
K16PS1Q	19.6	0.15	K232P	160.729	348.733	21.225	9.065	0.31268	2.66051	23	V
K16PS1R	20.5	0.15	K232P	202.527	271.814	16.187	6.237	0.39090	2.64240	32	V
K16PS1S	19.8	0.15	K232P	179.751	317.045	21.869	5.286	0.30446	2.64428	32	V
K16PS1T	20.3	0.15	K232P	267.836	245.504	93.388	6.869	0.24766	2.39283	31	V
K16PS1U	18.9	0.15	K232P	162.518	278.774	120.544	16.749	0.28665	2.58557	31	V
K16PS1V	19.0	0.15	K232P	182.219	189.453	161.135	18.334	0.20246	2.59554	31	V
K16PS1W	20.3	0.15	K232P	1.828	124.165	195.524	4.304	0.23496	2.19733	31	V
K16PS1X	18.9	0.15	K232P	250.453	268.469	8.268	14.985	0.24851	2.53723	21	V
K16PS1Y	18.2	0.15	K232P	70.223	328.536	339.554	25.606	0.21971	3.14073	30	V
K16PS1Z	18.9	0.15	K232P	321.178	249.024	11.863	11.755	0.17640	2.39387	21	V
K16PS2A	17.8	0.15	K232P	81.450	275.290	65.557	12.751	0.15063	3.00473	29	V
K16PS2B	19.4	0.15	K232P	185.176	327.627	0.470	18.042	0.23660	2.64933	29	V
K16PS2C	19.1	0.15	K232P	238.026	277.313	12.776	18.696	0.27203	2.55905	29	V
K16PS2D	19.4	0.15	K232P	165.878	305.845	22.485	15.801	0.29000	2.71495	29	V
K16PS2E	19.5	0.15	K232P	152.861	286.081	51.436	9.020	0.30926	2.74551	29	V
K16PS2F	19.2	0.15	K232P	175.324	259.065	96.693	12.378	0.32005	2.64501	29	V
K16PS2G	19.8	0.15	K232P	311.068	291.695	37.018	10.146	0.22083	2.30603	29	V
K16PS2H	19.2	0.15	K232P	201.427	252.651	37.190	13.021	0.25978	2.67139	29	V
K16PS2J	18.5	0.15	K232P	157.278	331.819	24.234	12.498	0.20843	2.68832	29	V
K16PS2K	19.2	0.15	K232P	176.850	249.406	132.284	15.393	0.33869	2.59773	28	V
K16PS2L	19.0	0.15	K232P	107.823	229.843	130.357	16.927	0.26126	2.86845	28	V
K16PS2M	18.8	0.15	K232P	177.391	214.189	88.758	9.284	0.19491	2.74423	28	V
K16QF2P	18.0	0.15	K232P	198.261	346.388	311.775	13.857	0.25111	2.64898	36	V
K16QF2Q	18.3	0.15	K232P	221.293	149.053	121.738	14.857	0.24004	2.65782	11	V
K16QF2R	19.6	0.15	K232P	342.162	283.681	57.761	7.842	0.17466	2.24388	36	V
K16QF2S	19.1	0.15	K232P	330.478	257.144	66.364	8.701	0.15829	2.29811	33	V
K16QF2T	19.7	0.15	K232P	7.606	282.153	59.503	7.982	0.21184	2.18788	33	V
K16QF2U	19.8	0.15	K232P	290.172	297.862	64.651	6.386	0.26295	2.32525	33	V
K16QF2V	18.9	0.15	K232P	240.378	215.741	135.293	15.276	0.20497	2.47130	40	V
K16QF2W	19.2	0.15	K232P	59.857	238.549	142.703	14.526	0.32058	3.06217	26	V
K16R96F	18.8	0.15	K232P	249.606	200.189	113.087	17.216	0.19706	2.53054	31	V
K16R96G	20.3	0.15	K232P	196.994	273.554	56.071	15.990	0.44927	2.63132	30	V
K16R96H	19.9	0.15	K232P	266.060	281.337	85.975	10.730	0.27258	2.39546	30	V
K16R96J	18.2	0.15	K232P	76.418	205.623	136.430	16.249	0.26237	3.13574	30	V
K16R96K	19.6	0.15	K232P	204.173	277.451	78.673	12.856	0.29956	2.58783	30	V
K16R96L	17.8	0.15	K232P	41.091	331.303	73.558	18.200	0.15544	3.11230	30	V
K16SC1Q	19.0	0.15	K232P	173.261	280.591	125.560	12.781	0.27188	2.57384	30	V
K16SC1R	18.9	0.15	K232P	135.683	305.050	91.979	9.501	0.22074	2.74676	32	V
K16SC1S	19.0	0.15	K232P	264.998	292.118	96.646	8.693	0.16031	2.36767	32	V
K16SC1T	20.1	0.15	K232P	354.756	263.082	103.074	7.203	0.17999	2.19969	32	V
K16SC1U	20.1	0.15	K232P	297.545	235.368	132.683	4.174	0.24254	2.31423	31	V
K16SC1V	18.4	0.15	K232P	166.786	315.204	65.848	16.087	0.20814	2.66719	30	V
K16SC1W	19.5	0.15	K232P	283.778	238.070	99.995	5.971	0.23932	2.40478	30	V
K16SC1X	18.4	0.15	K232P	167.537	247.043	77.034	8.783	0.23402	2.80587	30	V
K16SC1Y	18.6	0.15	K232P	308.603	305.907	9.186	5.286	0.12062	2.38657	9	V
K16TK1D	18.3	0.15	K232P	10.262	306.343	145.259	11.277	0.19401	3.12513	10	V
K16TK1E	19.3	0.15	K232P	247.463	27.878	11.546	2.728	0.24264	2.41745	18	V
K16TK1F	18.9	0.15	K232P	306.086	71.925	257.254	7.359	0.20488	2.35484	16	V
K16W83H	19.1	0.15	K232P	168.195	206.469	220.956	16.620	0.18597	2.64914	36	V
K16Y37Q	19.2	0.15	K232P	133.415	332.095	132.902	15.824	0.25980	2.68549	29	V
K16Y37R	17.2	0.15	K232P	52.542	296.933	110.735	27.464	0.10635	3.19663	33	V

K16Y37S	19.1	0.15	K232P	148.197	326.210	140.669	13.188	0.24872	2.63511	29	V
K16Y37T	19.3	0.15	K232P	148.085	269.854	192.929	11.104	0.26559	2.64506	29	V
K16Y37U	19.8	0.15	K232P	91.077	127.468	324.355	16.768	0.11753	1.97263	37	V
K16Y37V	18.4	0.15	K232P	47.318	165.090	351.323	12.909	0.19767	2.93473	37	V
K16Y37W	18.1	0.15	K232P	117.789	214.085	256.308	11.917	0.14473	2.80917	28	V
K16Y37X	17.9	0.15	K232P	169.548	175.493	278.776	21.150	0.04493	2.68047	28	V
K16Y37Y	17.7	0.15	K232P	13.618	269.709	261.084	15.934	0.19964	3.10267	39	V
K16Y37Z	19.7	0.15	K232P	168.894	124.934	327.134	13.393	0.33667	2.61053	36	V
K17A59H	18.0	0.15	K232P	35.740	335.384	152.083	11.322	0.16317	3.14856	32	V
K17A59J	19.5	0.15	K232P	104.461	231.960	195.532	21.360	0.12537	1.95200	24	V
K17A59K	17.9	0.15	K232P	21.908	348.487	158.103	17.728	0.16522	3.12496	29	V
K17A59L	18.9	0.15	K232P	133.923	308.925	156.529	15.277	0.18059	2.74623	29	V
K17A59M	18.6	0.15	K232P	186.910	270.474	152.667	13.911	0.16970	2.67217	22	V
K17A59N	19.6	0.15	K232P	255.061	234.179	225.884	6.951	0.21398	2.37180	29	V
K17A59O	17.8	0.15	K232P	34.824	317.187	185.044	10.001	0.09689	3.06081	29	V
K17A59P	18.8	0.15	K232P	254.845	342.194	128.949	25.369	0.22668	2.34587	29	V
K17A59Q	19.4	0.15	K232P	320.729	350.305	285.330	18.699	0.03658	1.91624	29	V
K17A59R	18.6	0.15	K232P	22.882	9.238	145.170	19.295	0.31080	3.11311	30	V
K17A59S	18.0	0.15	K232P	353.044	302.395	276.114	23.929	0.45452	3.14134	27	V
K17BL7O	18.5	0.15	K232P	165.915	238.249	239.284	4.139	0.16511	2.61700	24	V
K17BL7P	18.8	0.15	K232P	127.375	224.461	245.935	4.391	0.27701	2.76246	24	V
K17BL7Q	19.4	0.15	K232P	286.854	345.395	157.374	7.164	0.03931	2.23378	25	V
K17BL7R	19.3	0.15	K232P	210.384	247.531	244.241	3.731	0.13851	2.45718	25	V
K17BL7S	18.7	0.15	K232P	160.626	225.540	249.149	1.156	0.16025	2.65803	25	V
K17BL7T	18.3	0.15	K232P	36.587	185.616	303.492	13.952	0.22067	3.13870	25	V
K17BL7U	15.0	0.15	K232P	190.124	181.838	305.608	15.160	0.13188	5.24924	25	V
K17BL7V	19.1	0.15	K232P	175.910	22.544	156.444	1.414	0.12350	2.44309	22	V
K17BL7W	19.8	0.15	K232P	299.767	257.855	246.144	1.789	0.13092	2.20570	25	V
K17BL7X	17.5	0.15	K232P	39.292	19.082	133.651	10.141	0.06922	3.03572	19	V
K17BL7Y	20.0	0.15	K232P	284.512	134.795	331.446	6.917	0.16085	2.30232	21	V
K17BL7Z	19.5	0.15	K232P	281.138	152.191	341.595	3.484	0.11841	2.26760	25	V
K17BL8A	18.0	0.15	K232P	69.892	348.448	104.125	6.801	0.14329	3.10204	21	V
K17BL8B	19.3	0.15	K232P	178.557	101.853	354.009	4.726	0.20331	2.61880	21	V
K17BL8C	18.0	0.15	K232P	54.926	191.240	313.388	23.022	0.04431	2.97521	21	V
K17BL8D	19.3	0.15	K232P	247.231	6.579	107.167	6.243	0.11198	2.38827	21	V
K17BL8E	18.4	0.15	K232P	152.873	62.755	106.615	7.894	0.04785	2.53312	25	V
K17BL8F	18.4	0.15	K232P	134.164	81.985	63.235	2.808	0.04425	2.65759	21	V
K17BL8G	17.6	0.15	K232P	102.655	303.910	114.323	11.976	0.06609	3.13194	21	V
K17BL8H	19.5	0.15	K232P	198.994	67.285	112.712	2.784	0.11948	2.37662	21	V
K17BL8J	18.9	0.15	K232P	131.980	345.359	168.834	14.044	0.18817	2.66381	29	V
K17BL8K	18.0	0.15	K232P	17.225	308.467	252.565	6.753	0.20734	3.00494	29	V
K17BL8L	17.7	0.15	K232P	7.873	56.133	97.053	15.495	0.20144	3.19667	21	V
K17BL8M	19.0	0.15	K232P	156.358	48.175	36.068	5.637	0.32920	2.71862	24	V
K17C51J	18.3	0.15	K232P	38.537	252.153	234.984	11.403	0.20462	3.18556	23	V
K17DF4O	19.5	0.15	K232P	269.793	291.963	262.687	3.520	0.11785	2.22833	36	V
K17DF4P	18.1	0.15	K232P	39.164	1.700	154.896	12.882	0.22597	3.11813	27	V
K17DF4Q	19.6	0.15	K232P	228.675	169.169	15.690	4.809	0.18910	2.35313	27	V
K17DF4R	19.1	0.15	K232P	172.183	115.340	55.720	10.765	0.16825	2.52952	34	V
K17DF4S	17.5	0.15	K232P	354.158	45.275	206.881	12.591	0.15616	3.00705	35	V
K17DF4T	18.4	0.15	K232P	116.067	232.073	300.114	8.824	0.13486	2.74444	37	V
K17DF4U	19.5	0.15	K232P	245.872	250.033	293.161	4.261	0.15330	2.30536	32	V
K17E48Q	18.7	0.15	K232P	93.887	101.163	112.945	8.739	0.18473	2.69330	24	V
K17E48R	19.5	0.15	K232P	270.492	4.920	7.174	20.582	0.08830	1.88508	24	V
K17E48S	18.9	0.15	K232P	115.019	64.197	148.021	11.646	0.15199	2.64744	26	V
K17E48T	18.1	0.15	K232P	39.653	91.544	49.737	16.783	0.23228	3.14522	23	V
K17FM0T	20.0	0.15	K232P	118.222	219.838	18.414	13.450	0.27905	2.59939	26	V
K17FM0U	18.6	0.15	K232P	98.873	16.914	202.447	2.863	0.12700	2.75024	30	V
K17FM0V	18.3	0.15	K232P	59.254	183.660	56.301	2.018	0.17391	2.85951	30	V
K17FM0W	17.6	0.15	K232P	324.047	235.901	39.725	11.404	0.10893	3.17618	30	V
K17FM0X	19.2	0.15	K232P	197.686	55.658	147.224	0.475	0.13916	2.45544	30	V
K17FM0Y	18.7	0.15	K232P	70.465	58.814	180.603	17.461	0.13361	2.71094	10	V
K17FM0Z	19.0	0.15	K232P	160.821	259.831	260.182	8.220	0.12845	2.58366	17	V
K17FM1A	19.8	0.15	K232P	228.119	237.323	309.335	4.422	0.16575	2.34850	15	V
K17FM1B	20.0	0.15	K232P	297.978	325.789	170.706	6.900	0.20626	2.26489	15	V
K17FM1C	17.6	0.15	K232P	323.406	218.923	27.064	11.345	0.07633	3.18979	18	V
K17FM1D	18.6	0.15	K232P	133.399	31.853	123.888	4.435	0.13265	2.74189	18	V
K17FM1E	19.1	0.15	K232P	194.090	213.520	24.881	11.659	0.10777	2.33173	29	V
K17FM1F	17.9	0.15	K232P	63.656	147.269	54.437	10.951	0.01988	2.87325	27	V
K17FM1G	19.3	0.15	K232P	288.884	87.451	48.072	7.004	0.13946	2.30617	31	V
K17FM1H	19.7	0.15	K232P	233.152	137.830	42.709	6.077	0.16115	2.35179	18	V
K17FM1J	19.5	0.15	K232P	251.857	13.403	141.007	2.120	0.12583	2.35801	18	V
K17FM1K	18.9	0.15	K232P	146.683	48.570	168.587	13.214	0.07379	2.52664	29	V
K17FM1L	18.3	0.15	K232P	149.408	284.834	252.969	11.898	0.11327	2.60179	25	V
K17FM1M	17.9	0.15	K232P	66.238	303.868	292.442	11.620	0.07830	2.72443	35	V
K17FM1N	18.1	0.15	K232P	115.382	204.766	335.571	10.924	0.09612	2.73445	31	V
K17FM1O	19.7	0.15	K232P	236.730	181.179	49.762	3.196	0.09033	2.24515	28	V
K17FM1P	19.5	0.15	K232P	251.153	211.447	325.787	1.157	0.12064	2.31804	32	V
K17FM1Q	19.8	0.15	K232P	222.543	320.018	222.730	4.850	0.17456	2.37658	10	V
K17FM1R	19.1	0.15	K232P	299.078	47.099	50.325	5.282	0.08279	2.39064	15	V
K17FM1S	18.0	0.15	K232P	347.725	64.702	185.635	15.969	0.19468	3.09497	28	V
K17FM1T	20.1	0.15	K232P	262.465	31.350	177.156	5.152	0.17005	2.23729	32	V
K17FM1U	18.7	0.15	K232P	103.031	221.279	355.147	5.391	0.12889	2.68337	32	V
K17FM1V	18.2	0.15	K232P	165.496	326.054	160.535	4.271	0.04519	2.74954	28	V
K17FM1W	18.3	0.15	K232P	32.626	163.968	35.214	10.665	0.19674	3.06039	38	V
K17FM1X	19.6	0.15	K232P	134.298	103.871	25.244	22.188	0.05251	1.92063	38	V
K17FM1Y	19.2	0.15	K232P	111.365	197.049	7.109	9.276	0.25206	2.72183	13	V
K17FM1Z	18.3	0.15	K232P	116.734	176.991	6.608	4.136	0.14684	2.74715	30	V
K17FM2A	17.6	0.15	K232P	7.551	199.513	20.466	31.512	0.11702	3.14921	13	V
K17FM2B	18.3	0.15	K232P	97.621	47.312	210.586	24.668	0.05575	2.54780	31	V
K17FM2C	19.1	0.15	K232P	179.563	228.312	46.274	4.203	0.13279	2.30274	31	V
K17FM2D	18.9	0.15	K232P	94.402	15.136	218.514	9.560	0.26817	2.72135	35	V
K17FM2E	20.0	0.15	K232P	249.177	356.057	191.499	24.718	0.18032	2.30052	31	V
K17FM2F	19.2	0.15	K232P	185.694	26.098	216.901	2.037	0.15150	2.37849	30	V

K17FM2G	18.0	0.15	K232P	67.668	266.716	328.245	6.998	0.17504	2.77277	31	V
K17G32V	17.2	0.15	K232P	257.332	177.177	32.369	12.759	0.20900	3.97448	17	V
K17G32W	18.1	0.15	K232P	40.224	160.004	27.296	17.018	0.16840	3.06210	24	V
K17G32X	19.3	0.15	K232P	173.604	129.960	121.917	3.864	0.15893	2.37915	24	V
K17G32Y	19.3	0.15	K232P	242.758	47.268	113.259	2.877	0.15489	2.37947	24	V
K17HA1H	18.3	0.15	K232P	45.503	159.553	20.912	9.306	0.16180	3.07824	27	V
K17HA1J	18.7	0.15	K232P	85.772	35.557	188.810	11.265	0.11722	2.73669	32	V
K17HA1K	19.7	0.15	K232P	274.508	198.266	48.868	6.462	0.13598	2.17758	31	V
K17HA1L	19.3	0.15	K232P	186.040	172.824	39.633	4.702	0.10668	2.46133	5	V
K17HA1M	18.7	0.15	K232P	20.749	189.616	31.182	14.674	0.24396	3.06043	11	V
K17HA1N	18.8	0.15	K232P	164.280	148.977	114.061	2.158	0.17273	2.41611	27	V
K17HA1O	19.2	0.15	K232P	180.758	182.154	79.103	2.278	0.14911	2.37751	37	V
K17HA1P	19.6	0.15	K232P	225.979	117.167	87.592	4.795	0.13922	2.36715	27	V
K17HA1Q	18.1	0.15	K232P	29.210	140.063	52.164	15.461	0.22645	3.16894	37	V
K17HA1R	19.4	0.15	K232P	95.635	65.597	203.042	11.364	0.27031	2.65037	27	V
K17HA1S	19.3	0.15	K232P	158.208	210.129	50.596	3.171	0.17690	2.45411	37	V
K17HA1T	19.1	0.15	K232P	158.287	24.180	260.000	1.390	0.19557	2.40079	32	V
K17HA1U	19.5	0.15	K232P	222.020	352.435	242.654	4.355	0.19391	2.32819	32	V
K17HA1V	20.0	0.15	K232P	268.252	42.677	214.662	2.595	0.13971	2.17865	31	V
K17HA1W	19.3	0.15	K232P	160.243	209.045	53.311	3.206	0.17522	2.45201	23	V
K17HA1X	17.8	0.15	K232P	344.464	148.142	134.507	11.879	0.19185	3.12387	31	V
K17HA1Y	18.0	0.15	K232P	2.164	139.162	111.183	11.522	0.20084	3.15178	31	V
K17HA1Z	19.4	0.15	K232P	239.768	340.325	204.765	11.540	0.17726	2.38436	30	V
K17HA2A	18.8	0.15	K232P	69.208	71.659	208.252	15.067	0.24929	2.73883	30	V
K17HA2B	19.1	0.15	K232P	107.093	108.257	143.746	5.884	0.23324	2.66344	30	V
K17HA2C	16.9	0.15	K232P	284.766	286.239	57.363	28.062	0.17522	3.10658	30	V
K17HA2D	19.7	0.15	K232P	233.835	80.690	153.013	7.918	0.17155	2.30753	29	V
K17HA2E	17.6	0.15	K232P	357.647	177.158	69.914	17.247	0.12918	3.15367	29	V
K17J13J	17.7	0.15	K232P	356.633	24.800	242.620	16.779	0.20400	3.14258	23	V
K17K50E	17.7	0.15	K232P	336.195	186.340	113.918	12.565	0.27497	3.17042	34	V
K17K50F	19.6	0.15	K232P	74.506	158.617	95.780	24.183	0.05972	1.88429	28	V
K17L04E	17.9	0.15	K232P	339.607	100.660	239.162	4.742	0.16808	3.17286	103	V
K17M34N	19.3	0.15	K232P	115.062	294.991	254.293	18.759	0.06898	1.91885	25	V
K17M34O	18.5	0.15	K232P	124.690	214.806	88.444	6.189	0.19836	2.60211	38	V
K17M34P	18.2	0.15	K232P	26.416	56.234	176.458	10.921	0.19359	3.13607	10	V
K17M34Q	18.7	0.15	K232P	5.174	108.593	146.303	13.848	0.25459	3.16615	10	V
K17M34R	18.0	0.15	K232P	72.450	158.397	103.740	15.455	0.10791	2.78007	22	V
K17M34S	18.1	0.15	K232P	132.287	215.841	93.098	3.165	0.18834	2.54129	38	V
K17M34T	17.4	0.15	K232P	339.586	212.321	130.429	18.216	0.18119	3.09537	37	V
K17M34U	18.2	0.15	K232P	339.023	64.080	261.924	12.485	0.26390	3.19117	32	V
K17M34V	17.3	0.15	K232P	326.200	222.295	104.880	29.360	0.21986	3.24035	32	V
K17N31Y	19.1	0.15	K232P	225.505	174.525	124.562	5.092	0.23575	2.28858	31	V
K17N31Z	19.6	0.15	K232P	243.192	220.693	92.901	5.372	0.18581	2.22826	25	V
K17N32A	20.2	0.15	K232P	239.715	317.116	335.920	1.081	0.20168	2.26207	28	V
K17N32B	17.3	0.15	K232P	319.013	255.212	114.300	12.479	0.18058	3.14925	25	V
K17N32C	18.4	0.15	K232P	107.653	220.774	91.271	3.594	0.20581	2.62638	28	V
K17N32D	19.8	0.15	K232P	229.272	57.220	234.352	0.475	0.18898	2.29122	28	V
K17N32E	19.5	0.15	K232P	178.870	222.074	93.078	2.365	0.19691	2.38585	28	V
K17N32F	19.3	0.15	K232P	238.207	205.469	46.674	1.774	0.14790	2.35512	28	V
K17N32G	18.1	0.15	K232P	11.478	302.778	9.003	1.169	0.17787	3.05982	28	V
K17N32H	18.7	0.15	K232P	94.402	217.159	126.992	6.747	0.31545	2.63452	34	V
K17OG9R	19.5	0.15	K232P	180.377	193.269	137.541	12.077	0.25692	2.35368	34	V
K17OG9S	18.9	0.15	K232P	104.288	189.785	137.707	14.256	0.29318	2.63982	27	V
K17OG9T	19.0	0.15	K232P	123.069	305.886	320.040	29.587	0.35732	2.68049	30	V
K17OG9U	19.1	0.15	K232P	225.665	203.672	96.767	3.271	0.15768	2.30771	25	V
K17OG9V	17.7	0.15	K232P	29.194	295.134	326.992	25.348	0.22812	3.17628	24	V
K17OG9W	18.4	0.15	K232P	17.430	355.889	334.455	14.571	0.27727	2.99993	24	V
K17OG9X	19.7	0.15	K232P	213.245	221.717	108.010	7.295	0.20568	2.27752	19	V
K17OG9Y	20.2	0.15	K232P	221.770	334.369	341.193	3.593	0.28953	2.28354	24	V
K17OG9Z	20.0	0.15	K232P	219.652	241.636	95.546	4.521	0.22220	2.25109	24	V
K17OH0A	18.9	0.15	K232P	123.905	292.378	314.164	14.568	0.23163	2.74636	22	V
K17OH0B	20.0	0.15	K232P	226.782	338.721	348.802	4.508	0.15415	2.23916	30	V
K17OH0C	18.5	0.15	K232P	110.102	200.415	122.138	11.784	0.17711	2.60300	22	V
K17OH0D	19.2	0.15	K232P	148.025	249.783	26.306	4.417	0.25684	2.57642	24	V
K17OH0E	19.3	0.15	K232P	202.724	3.324	332.845	6.284	0.13548	2.28950	24	V
K17OH0F	19.4	0.15	K232P	113.159	255.844	65.730	4.337	0.20045	2.59316	21	V
K17OH0G	18.3	0.15	K232P	8.595	343.302	334.739	10.791	0.21523	3.07433	24	V
K17OH0H	17.7	0.15	K232P	333.098	37.536	317.755	11.501	0.11706	3.09994	30	V
K17OH0J	18.6	0.15	K232P	12.008	270.133	57.647	0.895	0.20144	3.02115	24	V
K17OH0K	19.0	0.15	K232P	141.189	174.219	120.137	8.525	0.21141	2.56001	24	V
K17OH0L	19.1	0.15	K232P	67.179	39.889	319.878	10.945	0.21211	2.67255	22	V
K17OH0M	18.2	0.15	K232P	9.216	4.872	329.923	9.113	0.11410	2.99136	22	V
K17OH0N	19.4	0.15	K232P	214.915	186.789	99.661	3.268	0.20968	2.34980	24	V
K17OH0O	19.9	0.15	K232P	226.012	164.667	121.216	3.255	0.21263	2.31374	30	V
K17OH0P	20.3	0.15	K232P	290.873	199.365	94.072	2.206	0.20081	2.14257	22	V
K17OH0Q	18.7	0.15	K232P	333.406	51.092	317.533	21.987	0.25444	3.14298	30	V
K17OH0R	17.9	0.15	K232P	296.275	259.565	158.809	26.206	0.29752	3.15619	30	V
K17OH0S	19.3	0.15	K232P	240.226	27.442	290.830	7.689	0.15486	2.23939	30	V
K17OH0T	17.9	0.15	K232P	336.820	138.882	259.120	5.091	0.13240	2.94355	30	V
K17OH0U	19.8	0.15	K232P	244.201	9.746	287.340	5.300	0.16957	2.26363	30	V
K17OH0V	20.0	0.15	K232P	84.737	138.117	140.944	21.550	0.02105	1.90486	24	V
K17OH0W	18.2	0.15	K232P	331.658	67.417	302.710	14.922	0.25832	3.14099	30	V
K17OH0X	17.1	0.15	K232P	281.118	121.837	285.852	8.196	0.30593	3.32767	30	V
K17OH0Y	17.8	0.15	K232P	335.370	50.464	308.681	11.599	0.17589	3.14074	30	V
K17OH0Z	18.3	0.15	K232P	40.649	8.495	300.160	8.950	0.08353	2.99663	30	V
K17OH1A	18.5	0.15	K232P	56.771	145.315	196.130	4.122	0.07797	2.77871	30	V
K17OH1B	17.8	0.15	K232P	349.811	158.333	175.872	12.874	0.14800	3.14995	30	V
K17OH1C	19.3	0.15	K232P	236.551	78.200	178.872	2.240	0.20090	2.35989	30	V
K17OH1D	18.3	0.15	K232P	114.358	320.975	305.784	13.245	0.21911	2.76442	30	V
K17OH1E	18.0	0.15	K232P	312.979	113.987	297.702	7.975	0.13583	3.01286	30	V
K17OH1F	19.5	0.15	K232P	23.342	191.556	79.652	3.555	0.46400	3.11890	24	V
K17OH1G	19.1	0.15	K232P	113.470	61.862	243.137	1.494	0.19788	2.62727	29	V
K17OH1H	17.7	0.15	K232P	236.368	77.718	260.926	2.862	0.29355	3.95190	29	V

K17OH1J	17.9	0.15	K232P	321.926	49.031	322.882	6.094	0.15134	3.06658	29	V
K17OH1K	18.5	0.15	K232P	337.206	22.810	323.567	9.754	0.22235	3.13267	29	V
K17OH1L	18.1	0.15	K232P	0.911	358.390	330.529	4.975	0.17505	3.04246	29	V
K17OH1M	17.9	0.15	K232P	319.986	242.939	127.052	17.377	0.24390	3.14293	29	V
K17OH1N	18.3	0.15	K232P	118.387	169.228	130.285	10.972	0.11021	2.62327	21	V
K17OH1O	19.3	0.15	K232P	78.355	43.925	317.655	11.217	0.31541	2.63863	29	V
K17OH1P	17.7	0.15	K232P	329.673	53.074	293.079	8.317	0.12177	3.13772	29	V
K17OH1Q	20.0	0.15	K232P	195.240	136.554	169.022	1.351	0.19941	2.35537	29	V
K17OH1R	19.5	0.15	K232P	205.412	234.863	122.163	21.574	0.25690	2.24273	18	V
K17OH1S	20.0	0.15	K232P	180.021	205.110	121.304	14.673	0.31612	2.37056	20	V
K17OH1T	17.4	0.15	K232P	237.184	23.178	313.498	7.500	0.30568	3.95702	29	V
K17OH1U	17.8	0.15	K232P	329.483	224.203	132.293	15.594	0.28347	3.16012	29	V
K17OH1V	19.6	0.15	K232P	207.652	358.012	299.803	2.003	0.17867	2.33249	21	V
K17OH1W	17.6	0.15	K232P	340.958	36.122	311.874	10.576	0.11525	3.07275	21	V
K17OH1X	18.0	0.15	K232P	140.603	342.518	306.026	16.258	0.13848	2.55552	17	V
K17OH1Y	16.9	0.15	K232P	325.162	54.176	317.158	15.530	0.23603	3.06884	18	V
K17OH1Z	17.9	0.15	K232P	18.734	167.757	143.460	4.450	0.11832	3.02622	29	V
K17OH2A	19.6	0.15	K232P	101.342	230.632	119.106	6.595	0.29075	2.57154	29	V
K17OH2B	19.9	0.15	K232P	97.272	199.802	138.294	15.660	0.27912	2.62083	29	V
K17OH2C	18.2	0.15	K232P	17.462	152.210	133.453	28.343	0.22727	3.13535	29	V
K17OH2D	19.1	0.15	K232P	86.492	53.767	302.775	13.492	0.29186	2.63371	29	V
K17OH2E	20.0	0.15	K232P	220.529	40.975	283.806	1.424	0.25217	2.27235	20	V
K17OH2F	19.1	0.15	K232P	88.913	231.004	134.374	17.510	0.17219	2.56228	21	V
K17OH2G	17.5	0.15	K232P	223.045	217.516	153.178	2.954	0.29447	3.96688	24	V
K17OH2H	19.6	0.15	K232P	287.150	7.919	265.800	4.318	0.09094	2.20665	31	V
K17OH2J	18.7	0.15	K232P	89.540	82.258	251.171	3.747	0.21686	2.66131	31	V
K17OH2K	20.4	0.15	K232P	219.004	153.579	188.869	3.287	0.18516	2.23552	31	V
K17OH2L	19.0	0.15	K232P	121.292	21.355	233.842	3.566	0.22716	2.74742	24	V
K17OH2M	20.7	0.15	K232P	197.123	157.022	164.858	2.759	0.22841	2.34052	24	V
K17OH2N	20.8	0.15	K232P	184.600	147.745	193.471	0.730	0.26183	2.33780	22	V
K17OH2O	17.3	0.15	K232P	342.224	178.617	142.028	18.170	0.18547	3.21507	24	V
K17OH2P	20.1	0.15	K232P	266.429	11.958	257.978	2.804	0.18854	2.24672	22	V
K17OH2Q	19.6	0.15	K232P	84.935	78.763	286.124	7.695	0.27133	2.60599	31	V
K17OH2R	19.8	0.15	K232P	219.189	81.380	285.450	6.769	0.18379	2.19096	21	V
K17OH2S	19.3	0.15	K232P	3.463	4.476	316.852	2.267	0.26115	3.09358	24	V
K17OH2T	18.3	0.15	K232P	9.661	48.355	282.914	2.137	0.10337	3.01509	24	V
K17OH2U	18.8	0.15	K232P	112.384	17.720	291.827	4.467	0.24775	2.63360	20	V
K17OH2V	19.1	0.15	K232P	67.056	54.824	302.781	11.486	0.26656	2.69281	21	V
K17OH2W	18.2	0.15	K232P	346.165	184.227	147.282	13.381	0.18987	3.15010	24	V
K17OH2X	20.1	0.15	K232P	222.405	146.169	138.812	4.530	0.16354	2.34383	24	V
K17OH2Y	18.8	0.15	K232P	93.925	206.650	133.893	4.224	0.15744	2.62357	20	V
K17OH2Z	20.1	0.15	K232P	188.761	10.752	301.563	2.001	0.20470	2.38075	22	V
K17OH3A	17.4	0.15	K232P	251.068	81.887	309.016	8.620	0.03876	3.37968	24	V
K17OH3B	18.0	0.15	K232P	35.151	172.366	141.083	11.060	0.09266	2.97400	24	V
K17OH3C	20.2	0.15	K232P	245.252	64.334	277.099	2.233	0.15570	2.17651	24	V
K17OH3D	17.6	0.15	K232P	329.245	36.542	308.100	7.626	0.08190	3.16257	22	V
K17OH3E	17.9	0.15	K232P	14.545	149.928	148.501	4.674	0.10977	3.13634	24	V
K17OH3F	19.7	0.15	K232P	204.619	34.669	300.004	3.864	0.13983	2.28009	21	V
K17OH3G	18.5	0.15	K232P	88.567	177.797	135.609	4.552	0.08093	2.73365	24	V
K17OH3H	19.3	0.15	K232P	102.528	41.766	295.931	1.881	0.11787	2.58720	24	V
K17OH3J	19.2	0.15	K232P	84.718	45.204	286.970	3.742	0.12396	2.68648	24	V
K17OH3K	18.1	0.15	K232P	13.674	1.084	292.813	5.239	0.12776	3.15373	24	V
K17OH3L	17.7	0.15	K232P	17.307	334.524	309.028	9.745	0.07585	3.18001	21	V
K17OH3M	19.2	0.15	K232P	117.365	133.910	170.160	15.777	0.18611	2.64573	29	V
K17OH3N	17.8	0.15	K232P	329.819	94.403	267.375	12.162	0.22630	3.18974	29	V
K17OH3O	18.8	0.15	K232P	95.076	39.214	284.612	10.731	0.18943	2.69784	29	V
K17OH3P	20.4	0.15	K232P	218.170	178.724	144.634	8.537	0.15988	2.27448	23	V
K17OH3Q	18.4	0.15	K232P	85.580	130.240	176.980	2.141	0.05858	2.74884	22	V
K17OH3R	19.9	0.15	K232P	202.352	194.233	148.195	5.144	0.22499	2.28005	21	V
K17OH3S	17.4	0.15	K232P	245.997	14.344	323.159	4.736	0.31253	3.94698	24	V
K17OH3T	20.0	0.15	K232P	237.212	16.050	307.682	6.440	0.19143	2.22306	31	V
K17OH3U	19.3	0.15	K232P	76.082	135.802	185.248	2.523	0.20613	2.74313	31	V
K17OH3V	17.4	0.15	K232P	322.085	207.697	142.976	7.326	0.11258	3.17360	21	V
K17OH3W	19.1	0.15	K232P	74.083	100.904	279.193	6.279	0.21166	2.59014	21	V
K17OH3X	19.9	0.15	K232P	212.351	210.345	133.359	6.568	0.15418	2.24525	21	V
K17OH3Y	18.8	0.15	K232P	337.982	36.416	317.979	10.362	0.26552	3.14970	24	V
K17OH3Z	18.3	0.15	K232P	19.959	47.528	296.316	0.914	0.09345	2.90737	24	V
K17OH4A	17.7	0.15	K232P	302.899	232.103	147.069	17.467	0.12724	3.18648	24	V
K17OH4B	19.6	0.15	K232P	155.082	225.972	137.192	11.563	0.17120	2.35979	29	V
K17OH4C	19.3	0.15	K232P	164.394	323.973	316.089	1.682	0.17589	2.52639	24	V
K17OH4D	19.9	0.15	K232P	209.489	23.512	266.708	5.857	0.18012	2.35710	31	V
K17OH4E	19.5	0.15	K232P	166.166	234.938	155.292	6.244	0.05008	2.24164	22	V
K17OH4F	19.0	0.15	K232P	17.889	93.223	235.919	1.921	0.18450	3.00561	24	V
K17OH4G	18.3	0.15	K232P	357.962	196.175	151.595	1.529	0.18052	3.03737	24	V
K17OH4H	17.8	0.15	K232P	50.778	121.878	153.115	11.146	0.04666	3.06241	24	V
K17OH4J	20.3	0.15	K232P	280.260	21.100	276.449	4.376	0.16193	2.16410	21	V
K17OH4K	18.5	0.15	K232P	70.452	189.166	147.676	8.654	0.18106	2.71621	31	V
K17OH4L	19.1	0.15	K232P	70.163	122.973	200.861	3.006	0.18780	2.75390	21	V
K17OH4M	17.6	0.15	K232P	326.603	228.332	148.469	14.974	0.15529	3.07411	22	V
K17OH4N	21.2	0.15	K232P	244.524	116.161	158.535	4.353	0.32008	2.27214	22	V
K17OH4O	19.8	0.15	K232P	195.381	204.382	133.745	4.203	0.26131	2.31070	21	V
K17OH4P	19.2	0.15	K232P	121.807	43.897	261.590	2.993	0.23419	2.60814	22	V
K17OH4Q	19.1	0.15	K232P	118.001	82.151	236.412	1.889	0.12080	2.59976	24	V
K17OH4R	18.5	0.15	K232P	358.718	182.403	138.712	18.800	0.19297	3.11926	24	V
K17OH4S	20.3	0.15	K232P	230.460	355.711	296.064	0.866	0.18154	2.29431	21	V
K17OH4T	18.0	0.15	K232P	300.443	145.184	249.080	0.841	0.19142	3.17591	24	V
K17OH4U	18.1	0.15	K232P	316.704	196.628	181.675	1.056	0.18030	3.10900	21	V
K17OH4V	19.7	0.15	K232P	229.478	340.836	278.213	1.856	0.17638	2.36986	24	V
K17OH4W	19.4	0.15	K232P	107.412	49.670	284.888	7.736	0.17734	2.58309	21	V
K17OH4X	19.9	0.15	K232P	267.696	339.421	286.856	4.957	0.13549	2.25749	24	V
K17OH4Y	19.8	0.15	K232P	257.810	336.100	293.512	5.087	0.11497	2.28484	24	V
K17OH4Z	19.4	0.15	K232P	106.788	89.145	231.388	2.430	0.18274	2.63224	24	V
K17OH5A	19.2	0.15	K232P	162.278	300.787	315.750	12.378	0.15747	2.59928	24	V

K17OH5B	19.0	0.15	K232P	87.293	181.767	153.635	5.325	0.13301	2.65035	21	V
K17OH5C	19.3	0.15	K232P	73.778	187.664	146.632	3.464	0.21318	2.72454	20	V
K17OH5D	18.1	0.15	K232P	2.037	16.104	310.320	8.288	0.14418	3.08391	22	V
K17OH5E	18.3	0.15	K232P	357.731	209.963	145.166	9.662	0.06910	2.96294	24	V
K17OH5F	18.1	0.15	K232P	7.213	89.382	257.614	7.403	0.11177	3.01876	29	V
K17OH5G	17.6	0.15	K232P	19.844	14.478	303.753	15.837	0.12079	3.08946	29	V
K17OH5H	17.5	0.15	K232P	20.557	79.800	216.647	8.321	0.08272	3.17823	29	V
K17OH5J	20.7	0.15	K232P	109.103	157.394	144.833	22.208	0.07285	1.81943	23	V
K17OH5K	20.2	0.15	K232P	77.600	126.031	146.225	23.186	0.05203	1.90648	30	V
K17OH5L	17.8	0.15	K232P	122.316	1.900	287.962	12.968	0.19658	2.64262	16	V
K17OH5M	19.3	0.15	K232P	311.931	28.016	252.983	3.644	0.12539	2.13401	28	V
K17OH5N	18.6	0.15	K232P	57.001	106.029	262.100	6.432	0.18907	2.73241	28	V
K17OH5O	18.0	0.15	K232P	20.624	98.116	222.694	9.641	0.15516	3.06545	29	V
K17OH5P	17.8	0.15	K232P	17.371	41.977	289.618	7.693	0.15841	3.04597	29	V
K17OH5Q	18.0	0.15	K232P	338.144	179.342	167.619	10.436	0.17966	3.14532	23	V
K17OH5R	20.0	0.15	K232P	244.251	341.658	350.385	4.322	0.19630	2.18935	26	V
K17OH5S	18.1	0.15	K232P	9.332	347.458	325.250	11.804	0.12753	3.07367	26	V
K17OH5T	18.0	0.15	K232P	355.841	30.033	328.131	8.200	0.16899	2.98512	26	V
K17OH5U	18.6	0.15	K232P	90.880	199.677	125.941	6.987	0.09964	2.66144	26	V
K17OH5V	19.5	0.15	K232P	87.389	20.224	325.223	3.050	0.24497	2.64010	26	V
K17OH5W	18.4	0.15	K232P	353.850	40.384	317.201	8.910	0.14840	2.98186	26	V
K17OH5X	19.2	0.15	K232P	252.736	113.705	220.431	5.450	0.08048	2.19308	26	V
K17OH5Y	18.6	0.15	K232P	146.507	132.927	140.816	14.276	0.25953	2.57735	25	V
K17OH5Z	18.5	0.15	K232P	112.330	160.705	147.101	14.295	0.17466	2.63327	27	V
K17OH6A	19.8	0.15	K232P	182.162	47.543	309.523	4.714	0.26007	2.32495	20	V
K17OH6B	19.2	0.15	K232P	119.596	159.193	158.025	8.110	0.20535	2.59393	20	V
K17OH6C	18.9	0.15	K232P	66.092	62.655	308.264	11.632	0.20660	2.65227	20	V
K17OH6D	19.8	0.15	K232P	184.841	20.057	296.547	8.354	0.13126	2.37896	20	V
K17OH6E	19.8	0.15	K232P	115.159	33.023	288.678	8.893	0.21007	2.59296	25	V
K17OH6F	20.5	0.15	K232P	197.677	141.493	162.476	0.415	0.22483	2.36280	20	V
K17OH6G	19.7	0.15	K232P	173.097	178.937	164.838	5.428	0.15606	2.35202	18	V
K17OH6H	20.6	0.15	K232P	236.228	43.863	300.252	4.958	0.26684	2.20455	24	V
K17OH6J	18.2	0.15	K232P	341.938	37.341	307.572	9.335	0.23118	3.13488	27	V
K17OH6K	20.2	0.15	K232P	195.211	60.960	246.649	1.117	0.19477	2.37250	20	V
K17OH6L	18.4	0.15	K232P	357.184	160.540	171.845	0.818	0.13920	3.07965	20	V
K17OH6M	17.8	0.15	K232P	316.492	220.241	168.791	4.673	0.05294	3.00753	20	V
K17P82D	20.5	0.15	K232P	251.472	197.708	111.131	3.072	0.22261	2.22368	17	V
K17P82E	19.7	0.15	K232P	226.606	161.112	115.813	3.207	0.18910	2.34612	18	V
K17P82F	19.1	0.15	K232P	135.829	344.240	317.079	14.491	0.09206	2.59494	18	V
K17P82G	19.5	0.15	K232P	118.487	266.870	41.041	1.721	0.19569	2.62492	18	V
K17P82H	17.8	0.15	K232P	334.780	61.618	324.846	23.336	0.08162	2.97342	18	V
K17P82J	19.7	0.15	K232P	183.106	38.951	323.677	6.813	0.15414	2.29862	18	V
K17P82K	17.4	0.15	K232P	281.643	67.494	337.063	8.803	0.10135	3.18172	18	V
K17P82L	18.0	0.15	K232P	31.429	159.070	144.598	12.929	0.14968	3.04613	18	V
K17P82M	20.1	0.15	K232P	184.843	223.612	132.638	3.120	0.21228	2.31731	18	V
K17P82N	17.8	0.15	K232P	129.996	126.778	118.163	3.069	0.00965	2.86901	18	V
K17P82O	19.9	0.15	K232P	225.799	180.937	117.379	3.144	0.17077	2.30883	18	V
K17P82P	19.7	0.15	K232P	128.590	152.222	167.174	1.943	0.20684	2.56149	18	V
K17P82Q	17.9	0.15	K232P	313.903	82.227	325.854	7.582	0.04485	2.96529	18	V
K17P82R	19.9	0.15	K232P	214.622	131.093	151.392	3.395	0.16753	2.37712	18	V
K17P82S	19.9	0.15	K232P	171.427	145.053	170.086	1.230	0.18651	2.43011	18	V
K17P82T	19.0	0.15	K232P	125.964	173.189	135.111	5.962	0.13895	2.60202	18	V
K17P82U	17.9	0.15	K232P	325.651	262.852	136.338	10.825	0.09933	2.97193	18	V
K17P82V	19.1	0.15	K232P	73.931	31.277	335.316	3.674	0.07623	2.62224	18	V
K17P82W	19.0	0.15	K232P	41.809	68.904	314.734	7.046	0.21632	2.73585	18	V
K17P82X	17.8	0.15	K232P	340.434	238.466	134.939	11.891	0.08764	3.01190	17	V
K17P82Y	19.5	0.15	K232P	96.257	162.953	147.570	4.658	0.20318	2.70543	18	V
K17P82Z	18.7	0.15	K232P	79.119	28.823	309.097	4.999	0.07202	2.68903	18	V
K17P83A	19.1	0.15	K232P	145.450	301.583	324.396	11.376	0.24772	2.59378	23	V
K17P83B	20.6	0.15	K232P	230.354	8.489	322.351	0.380	0.23938	2.24071	18	V
K17P83C	19.7	0.15	K232P	339.955	144.415	108.514	4.570	0.12665	2.13135	17	V
K17P83D	17.5	0.15	K232P	349.071	200.824	129.603	13.039	0.13751	3.16075	18	V
K17P83E	18.3	0.15	K232P	359.558	174.002	147.925	11.474	0.20747	3.13713	18	V
K17P83F	19.6	0.15	K232P	191.996	16.990	320.664	7.842	0.20851	2.30637	23	V
K17P83G	19.8	0.15	K232P	186.491	189.769	137.657	3.693	0.23954	2.34244	23	V
K17P83H	19.7	0.15	K232P	219.800	29.410	298.875	3.605	0.16805	2.28844	40	V
K17P83J	18.0	0.15	K232P	159.478	250.710	5.610	28.573	0.37270	2.56768	40	V
K17P83K	17.8	0.15	K232P	358.674	255.553	86.058	15.775	0.32429	3.09917	35	V
K17P83L	18.8	0.15	K232P	89.181	338.974	10.719	13.141	0.29573	2.64983	40	V
K17P83M	19.1	0.15	K232P	252.279	223.551	71.665	6.969	0.10907	2.25978	32	V
K17P83N	17.6	0.15	K232P	359.271	196.509	141.114	8.582	0.07710	3.06596	31	V
K17P83O	20.1	0.15	K232P	226.324	182.089	153.875	7.589	0.23844	2.24145	29	V
K17P83P	17.4	0.15	K232P	319.713	237.983	149.099	16.508	0.21324	3.10988	31	V
K17QH3Q	19.4	0.15	K232P	88.794	257.750	136.529	5.356	0.24584	2.59833	40	V
K17QH3R	18.2	0.15	K232P	86.966	345.887	356.030	11.870	0.09777	2.67803	35	V
K17QH3S	18.5	0.15	K232P	67.247	227.817	106.662	5.033	0.07913	2.78722	28	V
K17QH3T	20.1	0.15	K232P	241.628	142.684	144.024	2.979	0.20939	2.28468	27	V
K17QH3U	18.8	0.15	K232P	354.072	299.521	76.261	1.096	0.23192	3.04967	39	V
K17QH3V	20.2	0.15	K232P	201.227	321.584	26.989	2.665	0.21266	2.30800	31	V
K17QH3W	20.0	0.15	K232P	102.243	342.787	22.862	4.434	0.23495	2.59137	39	V
K17QH3X	19.3	0.15	K232P	172.494	272.778	69.823	5.391	0.23231	2.37986	36	V
K17QH3Y	18.1	0.15	K232P	135.481	280.312	9.699	11.484	0.18892	2.62065	36	V
K17QH3Z	17.6	0.15	K232P	323.644	32.398	354.346	15.729	0.29615	3.15923	36	V
K17QH4A	19.1	0.15	K232P	89.060	339.756	9.741	6.593	0.23953	2.65205	36	V
K17QH4B	19.0	0.15	K232P	72.900	1.438	342.791	9.287	0.31720	2.72457	26	V
K17QH4C	20.2	0.15	K232P	218.751	287.919	47.495	3.390	0.25967	2.26911	36	V
K17QH4D	20.5	0.15	K232P	201.506	231.653	111.681	5.216	0.28361	2.31346	36	V
K17QH4E	16.7	0.15	K232P	249.463	251.802	82.791	3.824	0.18926	4.02035	34	V
K17QH4F	20.2	0.15	K232P	219.253	256.088	80.047	4.477	0.25354	2.27152	29	V
K17QH4G	18.8	0.15	K232P	62.257	11.299	7.733	12.907	0.24708	2.70572	36	V
K17QH4H	20.1	0.15	K232P	209.872	268.976	100.074	3.704	0.21198	2.24437	36	V
K17QH4J	19.2	0.15	K232P	188.789	303.162	55.756	3.071	0.16617	2.30827	29	V
K17QH4K	18.8	0.15	K232P	53.440	359.995	38.096	8.014	0.30637	2.70443	34	V

K17QH4L	20.0	0.15	K232P	149.488	285.662	81.513	3.381	0.21939	2.41803	36	V
K17QH4M	17.9	0.15	K232P	350.916	325.410	27.172	6.007	0.24523	3.13130	36	V
K17QH4N	20.0	0.15	K232P	196.856	328.505	11.593	5.749	0.22264	2.32292	34	V
K17QH4O	17.9	0.15	K232P	6.858	201.189	139.547	17.877	0.20059	3.09924	34	V
K17QH4P	19.6	0.15	K232P	178.177	281.337	61.655	5.601	0.17090	2.38494	36	V
K17QH4Q	18.3	0.15	K232P	164.410	245.933	4.649	12.568	0.22288	2.65742	36	V
K17QH4R	18.4	0.15	K232P	8.790	305.464	359.221	13.604	0.26199	3.18255	28	V
K17QH4S	18.0	0.15	K232P	80.501	250.413	87.748	7.352	0.08856	2.74275	34	V
K17QH4T	17.8	0.15	K232P	18.365	201.370	108.284	4.671	0.18096	3.11631	34	V
K17QH4U	20.0	0.15	K232P	226.675	331.096	353.924	5.363	0.16859	2.27657	28	V
K17QH4V	18.9	0.15	K232P	83.247	303.508	13.812	9.161	0.22208	2.78161	36	V
K17QH4W	17.4	0.15	K232P	12.006	308.934	358.958	13.845	0.18312	3.18092	34	V
K17QH4X	17.7	0.15	K232P	346.495	351.800	4.500	13.242	0.13176	3.14702	36	V
K17QH4Y	18.9	0.15	K232P	93.358	309.909	356.247	9.320	0.21750	2.75486	34	V
K17QH4Z	19.1	0.15	K232P	89.676	258.431	106.596	6.484	0.16886	2.63081	36	V
K17QH5A	17.9	0.15	K232P	299.966	91.126	26.933	7.601	0.03953	2.75381	36	V
K17QH5B	19.1	0.15	K232P	101.398	208.750	125.666	5.712	0.17325	2.64815	34	V
K17QH5C	18.0	0.15	K232P	313.030	267.161	142.122	8.910	0.18147	3.09631	34	V
K17QH5D	17.9	0.15	K232P	338.607	358.653	15.166	4.646	0.19897	3.09799	34	V
K17QH5E	18.1	0.15	K232P	322.845	156.611	154.817	7.118	0.24291	3.42017	27	V
K17QH5F	18.9	0.15	K232P	10.854	174.006	172.201	7.357	0.24444	2.97840	9	V
K17QH5G	17.7	0.15	K232P	52.542	134.885	154.053	10.043	0.06706	3.01516	27	V
K17QH5H	19.8	0.15	K232P	156.215	161.793	160.003	2.635	0.21558	2.46590	27	V
K17QH5J	19.0	0.15	K232P	234.289	97.542	173.366	5.567	0.11215	2.34288	26	V
K17QH5K	17.6	0.15	K232P	42.292	115.499	158.692	9.180	0.10340	3.10426	27	V
K17QH5L	17.7	0.15	K232P	49.273	130.072	141.610	5.983	0.08926	3.10293	27	V
K17QH5M	18.1	0.15	K232P	107.233	183.454	153.596	14.053	0.29648	2.63981	28	V
K17QH5N	17.9	0.15	K232P	60.577	226.854	153.217	14.177	0.25617	2.73610	11	V
K17QH5O	18.8	0.15	K232P	78.277	212.416	140.852	8.946	0.24551	2.72203	28	V
K17QH5P	18.1	0.15	K232P	16.895	196.945	132.140	7.937	0.27499	3.09432	28	V
K17QH5Q	19.5	0.15	K232P	243.998	225.197	115.317	6.017	0.21123	2.22231	26	V
K17QH5R	18.8	0.15	K232P	78.446	186.510	166.774	12.454	0.18292	2.66493	21	V
K17QH5S	17.8	0.15	K232P	57.346	310.710	311.808	14.814	0.18072	3.13563	32	V
K17QH5T	20.3	0.15	K232P	170.080	75.966	259.257	3.803	0.24660	2.41432	28	V
K17QH5U	19.5	0.15	K232P	96.458	25.990	289.130	6.908	0.22372	2.71947	32	V
K17QH5V	19.0	0.15	K232P	352.151	66.229	295.756	8.959	0.32911	3.10179	28	V
K17QH5W	17.9	0.15	K232P	331.770	40.367	324.157	26.063	0.17234	3.17772	32	V
K17QH5X	18.1	0.15	K232P	355.970	90.393	237.037	7.623	0.23141	3.16666	21	V
K17QH5Y	19.8	0.15	K232P	88.425	188.630	187.704	14.790	0.28237	2.60635	32	V
K17QH5Z	19.5	0.15	K232P	128.121	142.419	184.410	13.619	0.19184	2.56482	21	V
K17QH6A	17.4	0.15	K232P	330.941	44.408	306.315	15.963	0.14539	3.21969	21	V
K17QH6B	18.3	0.15	K232P	58.579	217.960	197.225	7.965	0.18971	2.59273	20	V
K17QH6C	19.0	0.15	K232P	105.291	85.881	234.029	5.934	0.15267	2.68362	32	V
K17QH6D	17.5	0.15	K232P	323.964	105.779	276.562	8.576	0.09490	3.11199	32	V
K17QH6E	19.6	0.15	K232P	198.581	13.367	316.414	12.126	0.25025	2.30711	29	V
K17QH6F	18.4	0.15	K232P	356.428	158.292	182.626	13.409	0.30685	3.11874	29	V
K17QH6G	17.5	0.15	K232P	327.729	148.428	217.480	11.112	0.11635	3.18653	31	V
K17QH6H	19.3	0.15	K232P	195.672	60.225	306.310	5.811	0.13893	2.27600	29	V
K17QH6J	18.3	0.15	K232P	12.468	186.925	170.331	11.514	0.10948	2.90166	21	V
K17QH6K	19.2	0.15	K232P	273.976	83.222	197.498	1.431	0.17482	2.26712	29	V
K17QH6L	18.9	0.15	K232P	81.014	0.892	343.747	13.604	0.20709	2.73262	31	V
K17QH6M	17.8	0.15	K232P	28.973	97.053	219.358	4.112	0.09235	3.12106	31	V
K17QH6N	17.0	0.15	K232P	273.808	101.117	212.843	7.350	0.21681	3.99141	31	V
K17QH6O	18.1	0.15	K232P	0.130	16.079	340.992	8.740	0.19608	3.09749	23	V
K17QH6P	17.7	0.15	K232P	335.399	173.446	179.957	13.770	0.12946	3.28217	36	V
K17QH6Q	18.3	0.15	K232P	38.632	249.415	171.344	11.565	0.16969	2.68671	35	V
K17QH6R	19.7	0.15	K232P	87.844	32.222	348.791	12.101	0.30480	2.63461	29	V
K17QH6S	20.3	0.15	K232P	230.005	181.486	162.958	5.975	0.26126	2.24312	33	V
K17QH6T	19.8	0.15	K232P	225.868	104.878	229.523	1.475	0.17726	2.28204	29	V
K17QH6U	18.1	0.15	K232P	336.798	337.661	49.319	11.415	0.22925	3.13668	24	V
K17QH6V	19.0	0.15	K232P	72.303	296.129	51.393	10.109	0.19515	2.77632	24	V
K17QH6W	18.4	0.15	K232P	336.476	304.594	83.751	0.725	0.20921	3.12538	36	V
K17QH6X	19.6	0.15	K232P	189.588	277.697	43.331	3.490	0.17063	2.41857	33	V
K17QH6Y	20.0	0.15	K232P	185.713	182.130	165.957	6.557	0.22854	2.31411	29	V
K17QH6Z	18.6	0.15	K232P	96.204	104.959	208.019	4.654	0.28545	2.67169	29	V
K17QH7A	18.7	0.15	K232P	52.837	221.547	159.879	14.025	0.26930	2.67819	29	V
K17QH7B	17.8	0.15	K232P	31.923	349.207	301.256	14.762	0.15750	3.05360	29	V
K17QH7C	19.8	0.15	K232P	231.892	62.790	268.573	4.503	0.21288	2.22196	39	V
K17QH7D	19.7	0.15	K232P	281.185	270.404	18.626	7.690	0.25723	2.18366	24	V
K17QH7E	20.4	0.15	K232P	106.550	11.639	9.570	6.743	0.34459	2.57638	24	V
K17QH7F	18.7	0.15	K232P	102.104	197.131	142.014	7.146	0.17283	2.67105	29	V
K17QH7G	17.9	0.15	K232P	356.290	200.398	140.285	3.458	0.17287	3.18476	28	V
K17QH7H	18.6	0.15	K232P	86.891	315.471	26.606	7.895	0.19241	2.72489	26	V
K17QH7J	19.7	0.15	K232P	203.942	235.061	104.566	2.976	0.19710	2.32073	23	V
K17QH7K	18.8	0.15	K232P	64.558	211.673	159.744	9.744	0.17986	2.72400	22	V
K17QH7L	16.8	0.15	K232P	294.159	261.397	35.347	4.622	0.19837	3.94141	26	V
K17QH7M	19.1	0.15	K232P	193.558	153.540	136.586	5.830	0.16289	2.47071	17	V
K17QH7N	18.9	0.15	K232P	109.880	307.093	23.310	11.662	0.18386	2.66255	29	V
K17QH7O	19.3	0.15	K232P	88.182	328.175	35.186	3.952	0.19087	2.65220	25	V
K17QH7P	18.3	0.15	K232P	129.020	141.718	150.373	12.276	0.08869	2.72491	23	V
K17QH7Q	18.0	0.15	K232P	71.431	277.377	38.420	6.610	0.08794	2.92019	26	V
K17QH7R	18.5	0.15	K232P	340.650	303.547	68.340	2.309	0.19540	3.13577	25	V
K17QH7S	17.3	0.15	K232P	57.240	130.627	159.607	12.403	0.03049	3.14854	26	V
K17QH7T	19.3	0.15	K232P	209.693	236.255	54.279	4.813	0.14407	2.43189	26	V
K17QH7U	18.5	0.15	K232P	103.274	172.910	166.408	15.019	0.11392	2.66240	25	V
K17QH7V	18.6	0.15	K232P	8.523	324.786	357.252	14.515	0.26593	3.14793	25	V
K17QH7W	17.7	0.15	K232P	32.435	308.998	27.353	9.735	0.05447	3.02152	26	V
K17QH7X	18.4	0.15	K232P	101.350	214.254	114.598	4.896	0.11507	2.72748	26	V
K17QH7Y	20.3	0.15	K232P	252.450	301.794	35.043	5.654	0.19241	2.20555	29	V
K17QH7Z	20.4	0.15	K232P	209.156	228.028	97.783	3.116	0.22991	2.32950	17	V
K17QH8A	19.7	0.15	K232P	193.318	322.406	34.333	8.077	0.13834	2.32207	23	V
K17QH8B	17.4	0.15	K232P	330.377	24.770	5.564	8.554	0.05537	3.10527	28	V
K17QH8C	20.3	0.15	K232P	97.504	193.200	158.753	11.869	0.32096	2.64425	23	V

K17QH8D	20.7	0.15	K232P	196.992	252.579	103.442	2.521	0.26067	2.31494	29	V
K17QH8E	18.8	0.15	K232P	61.835	359.213	1.967	22.271	0.20634	2.78015	22	V
K17QH8F	20.5	0.15	K232P	263.657	286.930	41.400	5.544	0.25797	2.18568	26	V
K17QH8G	19.5	0.15	K232P	222.658	127.804	156.870	12.705	0.22487	2.37536	23	V
K17QH8H	19.6	0.15	K232P	185.964	246.481	138.443	6.824	0.22210	2.29177	23	V
K17QH8J	19.6	0.15	K232P	107.287	302.600	24.527	11.953	0.26018	2.67329	26	V
K17QH8K	20.1	0.15	K232P	212.108	176.299	153.100	3.200	0.19473	2.32040	25	V
K17QH8L	19.9	0.15	K232P	165.054	216.261	148.220	2.802	0.18492	2.38533	17	V
K17QH8M	18.2	0.15	K232P	26.066	155.572	152.254	4.055	0.17376	3.14611	28	V
K17QH8N	20.5	0.15	K232P	187.090	214.837	135.782	1.973	0.20144	2.34849	17	V
K17QH8O	18.9	0.15	K232P	147.137	292.847	15.025	2.670	0.07433	2.61146	28	V
K17QH8P	19.7	0.15	K232P	178.538	239.175	155.994	4.626	0.14173	2.27917	25	V
K17QH8Q	18.6	0.15	K232P	97.220	230.161	146.242	14.150	0.18518	2.58401	23	V
K17QH8R	19.9	0.15	K232P	207.381	295.949	34.804	7.772	0.25494	2.32113	23	V
K17QH8S	19.5	0.15	K232P	251.345	282.176	54.726	5.549	0.18547	2.20387	23	V
K17QH8T	17.6	0.15	K232P	1.255	280.871	37.030	11.582	0.18703	3.23023	23	V
K17QH8U	18.5	0.15	K232P	51.673	246.794	137.483	9.999	0.22746	2.74697	17	V
K17QH8V	21.1	0.15	K232P	206.628	193.484	170.783	7.446	0.28285	2.26847	32	V
K17QH8W	20.4	0.15	K232P	179.489	118.557	252.501	4.545	0.24420	2.32502	39	V
K17QH8X	20.1	0.15	K232P	189.606	32.307	312.251	6.102	0.24242	2.35207	39	V
K17QH8Y	18.9	0.15	K232P	338.718	195.695	174.775	15.668	0.28616	3.15245	32	V
K17QH8Z	19.2	0.15	K232P	64.883	138.144	230.967	6.261	0.21671	2.72127	39	V
K17QH9A	17.2	0.15	K232P	269.978	39.135	274.128	5.999	0.28180	3.95216	39	V
K17QH9B	19.3	0.15	K232P	45.467	110.347	265.556	6.462	0.22364	2.78256	39	V
K17QH9C	19.9	0.15	K232P	194.773	115.570	251.442	3.880	0.16298	2.28935	39	V
K17QH9D	18.2	0.15	K232P	20.799	34.337	287.053	3.008	0.11757	3.11308	39	V
K17QH9E	20.3	0.15	K232P	169.935	175.029	219.798	4.016	0.32628	2.32534	39	V
K17SZ5N	18.6	0.15	K232P	4.603	29.958	330.579	14.089	0.36309	3.08269	30	V
K17SZ5O	18.1	0.15	K232P	48.799	238.934	93.806	2.108	0.18715	2.99313	32	V
K23E00L	19.1	0.15	K232P	52.822	142.560	263.410	13.884	0.24629	0.77130	92	X
K23F02K	20.4	0.15	K232P	328.368	197.530	100.084	10.528	0.76367	2.27739	52	X
K23H02G	23.6	0.15	K232P	355.442	122.625	29.651	19.180	0.48931	1.77616	21	X
K23H02Q	16.2	0.15	K232P	328.156	135.910	232.180	67.250	0.79788	3.36859	48	X
K23H02X	25.2	0.15	K232P	343.585	347.265	196.554	9.562	0.35847	1.55031	34	X
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K23J01V	19.3	0.15	K232P	326.339	228.027	88.534	33.689	0.67953	3.23532	25	X
K23J03B	24.2	0.15	K232P	151.743	289.735	88.837	5.450	0.25230	0.94002	23	X
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New observations:

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j2334        KC2023 06 03.92155818 35 30.46 +11 19 43.6          17.9 GXEL017L18
j2334        KC2023 06 03.92241718 35 30.27 +11 19 29.7          17.5 GXEL017L18
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