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MPEC 2023-L13 : DAILY ORBIT UPDATE (2023 June 3)

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M.P.E.C. 2023-L13

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DAILY ORBIT UPDATE (2023 June 3)

Update to 2023-L11

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

New identifications:

K15TT1E	K22Q00D	VanWylen
K11WH4B	K22SS0S	VanWylen
K15HA5C	K22SR5J	VanWylen
K14HX8B	K10JK7D	VanWylen
K17WA0U	K10HD3T	VanWylen
K15RD8R	K20Q93R	VanWylen
K18V40K	K22S19V	VanWylen
K16G71A	K20L20D	VanWylen

New old-numbered orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
00015	5.3	0.15	K232P	244.145	98.713	292.908	11.754	0.18701	2.64306	84	X
00034	8.6	0.15	K232P	80.665	330.050	184.332	5.497	0.10659	2.68689	71	X
00424	9.6	0.15	K232P	139.985	333.856	99.134	8.221	0.10916	2.77422	49	X
00612	10.8	0.15	K232P	324.569	122.609	202.859	20.959	0.25915	3.15202	33	X
00654	8.6	0.15	K232P	10.670	214.578	278.333	18.094	0.23094	2.29739	61	X
00683	8.7	0.15	K232P	352.316	280.649	259.650	18.524	0.05843	3.11556	52	X
00900	11.6	0.15	K232P	326.506	122.046	182.240	11.560	0.16236	2.47344	37	X
01150	12.7	0.15	K232P	296.603	139.603	206.494	2.393	0.20437	2.19080	38	X
01203	11.6	0.15	K232P	218.331	177.261	224.499	5.997	0.25045	2.88380	35	X
01444	11.5	0.15	K232P	296.494	310.388	303.218	17.757	0.13736	3.15543	30	X
01465	11.7	0.15	K232P	5.566	50.477	166.930	9.921	0.17829	3.02784	36	X
01566	16.5	0.15	K232P	352.548	31.442	87.952	22.800	0.82687	1.07813	40	X
01747	13.5	0.15	K232P	336.932	340.339	268.362	21.414	0.11034	1.70919	27	X
02068	11.3	0.15	K232P	152.226	321.511	95.904	12.908	0.09800	2.77250	32	X
02083	13.2	0.15	K232P	22.839	229.182	259.143	18.452	0.05119	1.87207	26	X
02104	9.9	0.15	K232P	347.526	290.252	252.442	18.390	0.12185	3.18765	30	X
02685	12.1	0.15	K232P	126.608	287.741	215.324	12.125	0.11119	2.56801	31	X
03042	14.0	0.15	K232P	336.998	70.646	226.161	4.994	0.20935	2.27761	27	X
03379	13.3	0.15	K232P	40.201	304.224	146.737	2.854	0.12987	2.35500	28	X
03553	16.4	0.15	K232P	9.218	288.936	232.491	36.777	0.32012	1.64457	19	X
03578	10.3	0.15	K232P	202.333	48.228	284.532	21.311	0.20409	3.21671	28	X
03606	12.4	0.15	K232P	305.285	108.995	250.067	12.425	0.22883	2.60505	26	X
04572	12.8	0.15	K232P	323.232	76.979	192.562	11.989	0.15857	2.59442	27	X

04964	13.6	0.15	K232P	239.870	205.053	167.400	4.920	0.12358	2.26246	24	X
05113	12.6	0.15	K232P	358.902	217.735	319.676	31.616	0.22545	2.66531	24	X
05230	13.3	0.15	K232P	175.818	266.374	195.200	20.684	0.37502	2.39777	24	X
06010	13.0	0.15	K232P	280.284	138.751	228.836	12.783	0.17746	2.57268	26	X
06033	12.6	0.15	K232P	348.305	75.528	216.429	16.324	0.11704	3.17787	27	X
06065	13.3	0.15	K232P	325.477	48.186	271.648	23.819	0.20861	2.34258	24	X
06092	13.7	0.15	K232P	311.949	201.120	132.362	9.510	0.25133	2.36811	25	X
06560	12.9	0.15	K232P	287.922	349.757	285.027	23.221	0.11418	2.35604	23	X
06833	13.0	0.15	K232P	41.388	8.637	210.742	12.993	0.11214	2.59324	26	X
06898	12.6	0.15	K232P	336.385	135.785	97.042	14.185	0.12310	2.66533	27	X
09779	14.8	0.15	K232P	344.629	304.672	334.473	2.492	0.22369	2.36222	24	X
10227	12.4	0.15	K232P	209.228	165.605	243.862	12.680	0.07271	3.12675	25	X
10689	13.2	0.15	K232P	133.707	296.626	206.132	21.982	0.07505	3.21389	24	X
10773	13.8	0.15	K232P	231.996	203.948	216.631	21.127	0.07504	3.20061	24	X
12374	13.9	0.15	K232P	320.731	202.066	123.385	8.984	0.30615	2.55115	26	X
12709	13.4	0.15	K232P	61.033	351.358	205.661	12.625	0.11616	2.63953	22	X
12721	13.9	0.15	K232P	283.478	182.816	150.076	2.591	0.24597	2.33953	23	X
12867	13.8	0.15	K232P	302.553	177.348	163.334	6.643	0.21051	2.31929	22	X
13555	13.3	0.15	K232P	272.948	151.378	218.240	11.102	0.06290	2.64309	23	X
14435	14.6	0.15	K232P	302.289	149.186	196.643	6.337	0.14232	2.39529	23	X
14592	15.0	0.15	K232P	196.448	207.441	204.954	5.912	0.10454	2.38760	21	X
15335	14.2	0.15	K232P	251.199	192.688	217.595	13.607	0.24152	2.67316	21	X
15410	12.3	0.15	K232P	97.682	297.224	236.995	17.163	0.09635	3.10983	23	X
15488	12.6	0.15	K232P	150.458	273.532	176.231	21.957	0.03432	3.16767	23	X
17156	12.7	0.15	K232P	198.835	216.898	229.827	25.514	0.04223	3.20008	25	X
17188	16.4	0.15	K232P	353.074	287.259	269.775	29.453	0.63710	2.21602	17	X
17204	14.9	0.15	K232P	313.017	202.219	141.225	5.012	0.32818	2.55396	22	X
18143	13.9	0.15	K232P	278.381	208.279	167.606	15.074	0.19195	2.80167	21	X
20751	13.2	0.15	K232P	292.568	189.299	183.773	16.992	0.23714	2.87706	26	X
20889	15.6	0.15	K232P	311.042	31.732	296.912	4.047	0.23652	2.23462	21	X
21260	15.4	0.15	K232P	128.838	246.020	206.243	22.692	0.09447	1.92777	18	X
22952	14.5	0.15	K232P	316.807	147.547	174.128	13.120	0.27532	2.54767	21	X
23250	15.0	0.15	K232P	92.603	315.254	152.738	23.521	0.30645	2.32677	18	X
23404	14.1	0.15	K232P	186.763	244.341	172.799	21.749	0.24706	2.28267	22	X
23552	13.6	0.15	K232P	335.063	95.014	126.775	23.768	0.27759	2.36483	21	X
23587	14.2	0.15	K232P	302.738	172.003	178.753	7.543	0.21851	2.31224	20	X
23679	14.4	0.15	K232P	322.846	113.001	197.379	13.291	0.11312	2.59920	22	X
23826	14.2	0.15	K232P	337.797	92.376	204.923	14.451	0.21874	2.59471	23	X
24177	14.0	0.15	K232P	201.694	297.776	99.337	7.500	0.10260	2.33729	22	X
24518	15.7	0.15	K232P	300.162	211.074	138.797	7.069	0.24746	2.26471	20	X
25687	13.3	0.15	K232P	78.192	114.899	137.223	14.580	0.15504	2.58822	24	X
26382	11.9	0.15	K232P	141.444	252.354	245.825	21.173	0.14136	3.16314	24	X
27256	13.9	0.15	K232P	31.673	54.922	120.828	25.847	0.24118	2.71869	21	X
27910	14.5	0.15	K232P	274.008	174.209	205.817	17.591	0.19930	2.74301	23	X
29077	15.3	0.15	K232P	296.160	165.271	189.958	2.419	0.25024	2.39359	25	X
29963	13.5	0.15	K232P	319.686	129.768	190.965	21.305	0.01448	3.22900	22	X
30099	14.4	0.15	K232P	54.499	195.729	71.409	13.127	0.20658	2.65372	21	X
30311	14.3	0.15	K232P	115.038	258.644	245.493	19.249	0.16065	1.99030	18	X
30477	14.1	0.15	K232P	341.266	91.288	200.195	11.836	0.12845	2.76083	21	X
30927	14.7	0.15	K232P	354.449	78.641	191.739	13.150	0.26287	2.42819	21	X
32434	12.1	0.15	K232P	319.109	103.576	256.408	23.482	0.14863	5.19827	24	X
35767	14.2	0.15	K232P	330.159	99.205	196.903	13.063	0.09163	2.48904	21	X
37596	14.8	0.15	K232P	75.656	300.844	219.539	21.532	0.31838	2.40092	19	X
37631	15.9	0.15	K232P	324.128	132.840	179.597	5.794	0.18035	2.24030	18	X
39536	15.8	0.15	K232P	302.647	45.280	236.910	5.661	0.16882	2.24650	19	X
39891	15.6	0.15	K232P	106.495	276.326	195.908	22.384	0.09401	1.95674	16	X
40393	15.1	0.15	K232P	262.217	205.003	175.619	14.675	0.10914	2.52173	20	X
41207	15.1	0.15	K232P	326.636	197.434	118.703	8.234	0.25084	2.55548	21	X
41331	13.6	0.15	K232P	248.312	156.023	238.859	23.542	0.16899	2.34005	20	X
42470	15.6	0.15	K232P	296.609	141.253	217.634	7.979	0.19585	2.26308	20	X
44279	14.8	0.15	K232P	19.186	30.514	210.121	12.282	0.12842	2.61279	22	X
45332	15.0	0.15	K232P	297.840	123.327	227.273	5.508	0.17426	2.31427	21	X
45640	14.2	0.15	K232P	245.579	202.769	210.913	12.155	0.15229	2.99323	20	X
45690	14.1	0.15	K232P	274.336	117.068	278.776	12.191	0.18872	2.60914	21	X
46201	15.2	0.15	K232P	61.012	329.987	220.631	12.589	0.16937	2.61497	19	X
46230	14.7	0.15	K232P	345.587	61.102	239.721	12.342	0.18716	2.62242	20	X
47004	15.7	0.15	K232P	234.013	224.501	204.864	13.162	0.27031	2.63042	19	X
48305	15.1	0.15	K232P	311.931	134.096	192.600	13.356	0.15760	2.57654	21	X
49021	14.8	0.15	K232P	320.875	106.301	225.246	12.660	0.24177	2.59479	19	X
49116	15.4	0.15	K232P	312.602	163.459	183.928	6.029	0.31895	2.59641	21	X
49264	14.8	0.15	K232P	177.835	222.226	244.140	24.615	0.25341	2.36644	20	X
49323	14.9	0.15	K232P	293.540	94.776	264.857	6.099	0.17595	2.35885	21	X
49337	15.4	0.15	K232P	268.191	164.576	214.669	14.195	0.11518	2.63278	18	X
49666	15.5	0.15	K232P	116.640	252.618	250.358	19.880	0.07768	1.91094	17	X
50195	14.6	0.15	K232P	346.530	44.259	244.906	9.600	0.17301	2.35798	19	X
50553	14.7	0.15	K232P	313.178	105.576	219.141	14.116	0.10050	2.65605	19	X
50753	14.4	0.15	K232P	353.118	63.116	207.296	12.117	0.14839	2.69826	21	X
50863	14.7	0.15	K232P	249.705	198.256	198.795	14.167	0.09833	2.67261	19	X
51593	14.7	0.15	K232P	4.049	36.880	231.224	13.521	0.05840	2.63525	20	X
51733	15.0	0.15	K232P	82.108	318.362	215.861	12.688	0.07461	2.35441	19	X
51755	13.7	0.15	K232P	354.372	12.417	265.430	28.796	0.12236	2.65191	20	X
51852	12.4	0.15	K232P	134.782	243.050	260.271	21.373	0.09382	3.17548	24	X
52223	15.2	0.15	K232P	210.872	250.073	175.258	21.936	0.05236	2.62032	20	X
52623	15.3	0.15	K232P	178.037	153.979	252.385	1.037	0.23375	2.76944	20	X
54784	15.1	0.15	K232P	352.533	359.222	262.176	9.423	0.27316	2.35873	20	X
54837	13.8	0.15	K232P	259.158	226.573	185.028	23.076	0.22137	3.12054	21	X
56574	14.9	0.15	K232P	336.024	39.121	256.906	10.533	0.25284	2.41680	19	X
59546	14.9	0.15	K232P	303.560	128.095	232.648	14.342	0.30486	2.46915	19	X
59549	15.2	0.15	K232P	102.081	320.543	211.951	11.741	0.05584	2.77558	18	X
60742	13.5	0.15	K232P	333.651	123.458	180.081	16.584	0.20252	2.71345	22	X
61728	14.7	0.15	K232P	248.669	223.057	176.211	25.443	0.14495	2.79148	18	X
62397	14.0	0.15	K232P	137.436	279.469	214.820	14.240	0.10230	2.85647	20	X
64577	14.8	0.15	K232P	242.702	105.990	269.052	22.905	0.08683	1.84779	17	X

64908	15.5	0.15	K232P	294.046	266.756	92.572	0.930	0.20614	2.43335	21 X
66253	18.4	0.15	K232P	219.614	261.094	157.367	19.500	0.83783	1.33397	18 X
68102	15.4	0.15	K232P	240.592	211.899	195.406	13.160	0.15477	2.52302	19 X
68930	14.6	0.15	K232P	268.413	165.183	223.992	13.791	0.21287	2.64453	21 X
69350	15.5	0.15	K232P	237.850	229.095	149.488	26.550	0.11735	1.85914	16 X
69357	15.4	0.15	K232P	157.640	243.666	226.972	20.528	0.22850	2.30129	18 X
69693	15.6	0.15	K232P	352.762	67.017	208.544	13.483	0.08406	2.53443	18 X
70080	15.3	0.15	K232P	343.276	69.162	220.006	3.909	0.16119	2.24873	20 X
70541	15.8	0.15	K232P	192.564	253.852	198.467	13.799	0.17934	2.56500	18 X
70836	15.9	0.15	K232P	261.951	175.617	202.372	11.469	0.07536	2.54819	21 X
71429	14.6	0.15	K232P	256.206	223.481	146.055	20.798	0.30084	2.58425	19 X
72497	15.4	0.15	K232P	99.896	323.122	198.536	13.988	0.09070	2.59328	18 X
72883	13.9	0.15	K232P	281.232	138.413	234.248	20.031	0.06147	3.03611	21 X
75983	14.8	0.15	K232P	98.808	25.487	115.197	11.563	0.06881	2.68683	19 X
77758	14.5	0.15	K232P	342.910	82.866	215.350	13.027	0.08196	3.15027	18 X
80026	15.5	0.15	K232P	74.797	290.825	207.001	23.160	0.09769	1.91852	16 X
80631	15.8	0.15	K232P	184.861	208.956	240.735	23.025	0.16127	2.33717	17 X
82069	16.7	0.15	K232P	207.295	251.049	127.363	22.362	0.07723	1.91545	16 X
82084	16.5	0.15	K232P	188.631	271.204	156.430	22.188	0.09919	1.90643	15 X
82085	15.7	0.15	K232P	216.650	256.242	120.438	23.646	0.14124	1.92155	18 X
82786	14.0	0.15	K232P	343.857	131.056	172.228	22.038	0.12799	3.15852	19 X
82877	16.1	0.15	K232P	328.199	93.221	212.198	13.127	0.09753	2.69729	16 X
84648	14.3	0.15	K232P	121.220	302.236	211.626	16.460	0.08489	3.16853	19 X
84827	14.6	0.15	K232P	159.456	296.627	137.453	23.224	0.12426	2.78245	19 X
85152	15.9	0.15	K232P	332.196	106.336	186.642	10.642	0.18201	2.43806	19 X
85709	15.9	0.15	K232P	342.016	29.731	186.583	24.844	0.33787	1.64589	15 X
86829	15.8	0.15	K232P	19.093	31.422	78.462	14.371	0.57481	1.46283	18 X
88251	15.7	0.15	K232P	139.342	253.926	217.249	21.567	0.09527	1.92463	15 X
88264	17.0	0.15	K232P	310.994	201.444	104.949	12.068	0.45192	2.14833	17 X
89964	15.4	0.15	K232P	70.790	303.783	240.914	19.797	0.01957	1.91598	16 X
90251	16.3	0.15	K232P	234.247	233.153	155.146	23.420	0.09541	1.95629	16 X
95923	15.5	0.15	K232P	343.775	107.851	177.288	18.983	0.20317	2.84932	15 X
96189	16.5	0.15	K232P	354.195	293.057	287.229	13.993	0.30763	1.82048	16 X
97034	14.8	0.15	K232P	349.671	202.396	336.886	24.188	0.26803	1.85286	15 X
98942	14.7	0.15	K232P	58.703	34.957	124.897	28.959	0.11201	2.64834	19 X
99953	14.9	0.15	K232P	347.556	116.586	107.906	32.586	0.25076	2.73732	15 X
A2701	16.2	0.15	K232P	275.973	205.019	170.524	14.274	0.19994	2.55183	18 X
A2758	15.9	0.15	K232P	321.555	36.586	288.732	4.386	0.28558	2.54282	17 X
A4265	15.7	0.15	K232P	133.561	283.459	214.035	12.616	0.12595	2.65445	17 X
A4974	16.1	0.15	K232P	359.247	106.540	140.128	24.128	0.28317	2.73358	14 X
A5079	14.9	0.15	K232P	351.991	73.635	203.110	16.849	0.23938	3.16340	17 X
A5359	14.6	0.15	K232P	6.480	103.016	161.237	25.920	0.21612	3.23395	18 X
A6207	16.0	0.15	K232P	121.281	273.671	223.763	23.730	0.16761	2.25938	15 X
A7953	15.5	0.15	K232P	60.606	19.986	181.593	12.768	0.10100	2.61252	17 X
A7970	15.4	0.15	K232P	110.650	338.505	175.748	21.959	0.01383	2.60525	20 X
A8292	14.8	0.15	K232P	329.962	75.935	226.772	11.745	0.19711	2.64312	18 X
A8922	14.9	0.15	K232P	257.100	196.764	202.493	17.718	0.11292	3.12703	17 X
A9189	15.8	0.15	K232P	343.941	55.229	219.542	12.391	0.32902	2.69339	16 X
A9605	15.0	0.15	K232P	275.902	212.697	175.246	17.886	0.25975	2.72283	20 X
B0415	15.1	0.15	K232P	264.113	162.115	225.555	12.877	0.16244	2.74157	16 X
B0672	14.9	0.15	K232P	347.917	132.256	157.981	17.486	0.16780	3.18118	18 X
B0807	15.3	0.15	K232P	312.504	112.746	217.452	13.804	0.10955	2.73831	18 X
B1413	15.7	0.15	K232P	256.739	192.188	166.479	3.286	0.28925	2.80719	17 V
B2406	15.4	0.15	K232P	277.844	159.507	213.326	13.425	0.19469	2.63109	19 X
B2982	15.8	0.15	K232P	341.448	110.017	159.627	22.227	0.19427	2.32137	17 X
B3243	15.2	0.15	K232P	209.763	213.260	218.632	15.419	0.10777	2.62510	19 X
B4746	16.0	0.15	K232P	3.366	38.133	215.213	11.437	0.11939	2.46567	17 X
B5795	15.5	0.15	K232P	53.850	334.033	228.276	18.050	0.20373	2.61230	17 X
B6073	15.9	0.15	K232P	305.418	41.418	298.232	3.635	0.24586	2.26263	19 X
B6194	14.5	0.15	K232P	108.998	289.395	187.374	24.829	0.24221	3.16838	16 X
B6920	15.6	0.15	K232P	9.013	80.317	170.241	12.790	0.17053	2.76561	16 X
B7161	14.9	0.15	K232P	292.797	129.930	241.820	13.203	0.26522	2.86363	19 X
C0192	15.6	0.15	K232P	8.617	55.934	185.731	16.535	0.30886	2.74794	17 X
C7206	15.1	0.15	K232P	285.556	145.944	201.007	25.208	0.29002	2.57296	17 X
C9893	15.9	0.15	K232P	114.722	284.212	206.373	21.481	0.13710	1.95119	16 X
D0134	16.4	0.15	K232P	243.789	127.248	255.319	18.133	0.10606	1.94881	15 X
D1257	14.2	0.15	K232P	352.012	75.452	197.526	17.089	0.24104	3.07921	18 X
D1402	14.4	0.15	K232P	330.355	73.087	258.605	9.270	0.35683	3.07310	18 X
D1518	14.4	0.15	K232P	295.619	111.112	247.613	16.444	0.15178	3.17783	20 X
D2541	15.5	0.15	K232P	333.505	83.866	210.524	14.117	0.14173	2.57545	17 X
D3239	15.9	0.15	K232P	273.014	157.540	205.414	13.879	0.08136	2.54017	17 X
D5151	14.2	0.15	K232P	293.608	115.828	255.784	20.939	0.12377	3.17020	18 X
D9560	14.7	0.15	K232P	172.288	201.041	278.820	26.734	0.15464	3.15276	16 X
E1981	15.3	0.15	K232P	244.142	170.594	250.111	15.941	0.24829	2.64212	15 X
E2517	15.3	0.15	K232P	282.477	134.893	229.386	12.477	0.12747	2.66688	17 X
E2784	14.4	0.15	K232P	277.999	100.029	265.214	27.531	0.08364	2.66868	19 X
E2803	16.4	0.15	K232P	335.114	37.040	245.169	4.467	0.29043	2.33443	18 X
E5134	16.0	0.15	K232P	356.440	69.964	191.364	10.947	0.22660	2.68360	16 X
E5301	15.7	0.15	K232P	304.737	253.912	103.311	13.672	0.28283	2.66061	15 X
E6939	16.7	0.15	K232P	42.405	34.850	123.499	25.175	0.06215	1.89440	14 X
E9809	17.1	0.15	K232P	319.837	144.960	108.323	25.334	0.11380	1.88084	11 X
F4244	17.6	0.15	K232P	314.882	98.139	213.218	3.246	0.54845	2.30718	9 X
F5924	16.9	0.15	K232P	312.029	89.196	199.922	4.086	0.17813	2.16112	15 X
G0041	15.9	0.15	K232P	288.001	220.460	111.149	10.901	0.17798	2.53326	17 X
G0456	17.0	0.15	K232P	283.881	78.780	254.374	19.690	0.07643	1.90003	14 X
G1086	14.8	0.15	K232P	298.598	148.575	215.109	19.905	0.25622	3.05811	16 X
G2207	16.2	0.15	K232P	262.997	148.895	236.276	12.813	0.14294	2.53917	18 X
G3599	14.4	0.15	K232P	334.268	62.366	247.860	15.774	0.12383	3.08390	17 X
G3654	15.1	0.15	K232P	250.450	179.201	219.824	14.843	0.05457	3.12875	17 X
G3696	16.5	0.15	K232P	268.704	278.971	65.612	29.504	0.51907	1.57091	21 X
G4870	16.0	0.15	K232P	231.975	222.000	198.914	12.731	0.16517	2.55721	16 X
G4892	16.3	0.15	K232P	261.641	93.443	238.926	12.772	0.14377	2.60494	12 X
G5109	15.0	0.15	K232P	340.100	72.979	229.030	20.569	0.19014	3.13292	17 X

G5670	15.2	0.15	K232P	358.573	30.290	242.801	18.365	0.22281	3.12805	15 X
G6139	16.4	0.15	K232P	358.401	70.240	185.254	13.033	0.23478	2.57038	15 X
G6337	16.3	0.15	K232P	36.847	41.470	178.603	12.209	0.12799	2.56063	16 X
G6819	14.9	0.15	K232P	312.819	121.320	221.225	15.511	0.23667	3.09169	17 X
G8036	14.9	0.15	K232P	8.793	88.488	180.228	20.844	0.09306	3.18444	18 X
G9740	15.5	0.15	K232P	213.718	248.473	174.949	21.916	0.08741	2.61401	16 X
H0886	16.7	0.15	K232P	322.122	50.751	244.816	18.905	0.06049	1.96143	13 X
H1184	15.6	0.15	K232P	72.483	318.596	217.777	14.930	0.22316	2.66585	15 X
H1844	16.0	0.15	K232P	37.212	351.577	238.508	16.910	0.13692	2.62700	14 X
H2781	15.7	0.15	K232P	338.377	116.918	150.858	5.426	0.12971	2.77710	17 X
H3653	16.0	0.15	K232P	64.605	350.786	153.825	24.732	0.21283	2.34851	18 X
H4251	15.8	0.15	K232P	342.098	79.990	207.270	13.709	0.07103	2.63341	17 X
H5189	18.2	0.15	K232P	331.378	78.880	169.359	2.625	0.38647	2.05767	10 X
H5729	20.4	0.15	K232P	228.160	259.217	124.287	11.535	0.42471	1.27169	13 X
H7618	15.9	0.15	K232P	321.148	132.107	147.508	20.871	0.12194	2.79872	14 X
H8249	15.2	0.15	K232P	273.747	167.243	225.046	16.936	0.21572	3.12029	17 X
H8856	16.2	0.15	K232P	340.947	158.987	116.543	7.184	0.30704	2.36391	15 X
I2134	15.7	0.15	K232P	312.090	148.020	197.113	14.465	0.30453	2.76261	17 X
I4012	15.5	0.15	K232P	316.484	109.873	202.746	13.040	0.18794	2.36937	15 X
I6625	15.7	0.15	K232P	5.949	45.532	188.111	14.896	0.09280	2.85883	16 X
I7804	14.7	0.15	K232P	327.870	79.502	236.050	14.177	0.26069	2.86778	15 X
I9283	16.0	0.15	K232P	319.025	42.858	276.173	12.683	0.31223	2.36596	16 X
J5623	14.9	0.15	K232P	338.430	60.349	239.522	15.524	0.16006	3.01033	17 X
J6109	15.2	0.15	K232P	208.122	228.347	210.027	16.474	0.02614	3.04965	16 X
J7122	15.6	0.15	K232P	328.189	117.421	194.384	12.368	0.19377	2.98689	14 X
K1800	15.4	0.15	K232P	316.064	185.040	149.003	18.367	0.23891	2.98389	15 X
K2649	15.8	0.15	K232P	42.252	6.817	221.626	16.526	0.15382	3.07426	13 X
K2805	15.5	0.15	K232P	310.689	110.683	225.016	15.082	0.09245	3.05749	16 X
K7555	15.7	0.15	K232P	318.384	167.144	172.020	11.904	0.26622	2.58412	17 X
K8834	15.9	0.15	K232P	293.128	152.709	172.764	13.451	0.18624	2.65222	16 X
L0893	16.2	0.15	K232P	354.509	75.236	196.299	13.106	0.12533	2.72196	15 X
L1857	17.3	0.15	K232P	291.742	98.041	194.811	21.432	0.04659	1.94011	13 X
L2087	16.0	0.15	K232P	204.898	260.906	181.086	21.617	0.11824	2.58993	16 X
L2249	15.9	0.15	K232P	327.784	115.628	190.776	12.280	0.16968	2.67471	15 X
L3360	12.8	0.15	K232P	328.983	114.868	217.929	23.079	0.07796	5.18164	18 X
L3700	16.6	0.15	K232P	170.571	224.009	225.295	19.608	0.09502	1.93017	15 X
L4570	16.0	0.15	K232P	277.284	203.910	166.205	14.529	0.12117	2.64612	15 X
L5921	15.8	0.15	K232P	62.191	351.765	195.017	15.634	0.18843	2.66938	14 X
L7412	14.9	0.15	K232P	280.351	132.435	266.472	25.772	0.34743	2.76678	10 X
L9096	15.9	0.15	K232P	313.472	87.568	231.359	23.024	0.26869	2.34498	16 X
M2120	15.3	0.15	K232P	259.262	96.634	235.925	9.842	0.10029	2.96714	15 X
M3298	15.7	0.15	K232P	330.346	59.299	220.025	19.934	0.17184	2.89852	15 X
M3456	18.2	0.15	K232P	328.649	105.255	130.998	5.145	0.33578	1.59976	12 X
N1669	15.8	0.15	K232P	72.481	1.432	186.188	17.690	0.09741	2.58304	16 X
N5202	16.5	0.15	K232P	333.002	128.867	165.332	17.453	0.20728	2.54204	14 X
N8216	16.4	0.15	K232P	273.364	173.023	194.547	11.771	0.12407	2.57306	17 X
O0261	15.3	0.15	K232P	314.760	86.781	255.652	11.450	0.22633	2.64379	15 X
O1860	15.5	0.15	K232P	13.443	52.520	213.621	21.763	0.04034	3.20324	13 X
O2308	16.2	0.15	K232P	325.808	84.845	220.964	11.651	0.14008	2.58478	14 X
O2903	16.2	0.15	K232P	8.858	72.836	165.338	17.792	0.22756	2.59993	13 X
O4021	15.8	0.15	K232P	284.167	180.494	190.084	23.554	0.12699	3.15997	12 X
O4117	15.8	0.15	K232P	235.897	189.319	232.951	16.591	0.22688	2.73483	15 X
O4588	15.0	0.15	K232P	238.411	175.997	240.319	24.332	0.07375	3.14486	14 X
O4742	16.5	0.15	K232P	246.348	103.708	237.016	5.435	0.12643	2.28123	15 X
O5383	15.4	0.15	K232P	317.262	124.860	203.918	17.668	0.07926	3.15527	14 X
O5424	15.9	0.15	K232P	340.494	55.210	236.879	13.480	0.09613	2.65926	14 X
O7189	16.3	0.15	K232P	61.358	323.684	219.973	12.872	0.24613	2.64131	15 X
O7510	15.7	0.15	K232P	236.491	133.113	234.095	5.622	0.22611	3.12052	14 X
O8060	16.9	0.15	K232P	15.989	39.516	195.750	14.194	0.15258	2.40949	14 X
O8788	16.4	0.15	K232P	312.937	163.909	168.003	13.825	0.23965	2.65698	16 X
P2216	17.4	0.15	K232P	102.225	279.516	229.894	18.720	0.09441	1.93645	12 X
P3127	17.2	0.15	K232P	300.836	79.827	234.938	18.644	0.06828	1.92245	12 X
P3446	16.3	0.15	K232P	309.379	94.774	226.014	21.500	0.25903	2.24000	13 X
P4109	16.7	0.15	K232P	236.790	141.899	251.745	19.748	0.07475	1.91303	14 X
P7664	17.5	0.15	K232P	292.711	93.519	236.773	18.928	0.05780	1.93862	13 X
P7687	18.2	0.15	K232P	170.936	352.775	54.442	2.269	0.16921	2.35155	13 X
P7866	15.5	0.15	K232P	334.443	77.661	222.791	12.473	0.13140	2.79467	16 X
Q1463	17.1	0.15	K232P	213.643	171.339	229.842	21.105	0.06323	1.89584	14 X
Q1571	16.3	0.15	K232P	290.117	56.405	239.410	7.191	0.05612	2.93212	14 X
Q2150	16.7	0.15	K232P	294.050	156.422	190.047	14.241	0.10377	2.68022	13 X
Q5207	16.3	0.15	K232P	259.378	238.395	158.919	23.541	0.26222	2.27485	13 X
Q5486	15.3	0.15	K232P	104.026	311.192	178.283	27.179	0.15018	3.15097	14 X
Q6033	15.2	0.15	K232P	59.487	333.224	222.424	21.737	0.22918	3.06835	14 X
Q7048	17.5	0.15	K232P	200.133	150.557	235.804	3.985	0.19221	2.39103	15 X
Q7161	15.8	0.15	K232P	5.826	75.864	185.887	16.303	0.19642	3.12668	14 X
Q9667	16.3	0.15	K232P	339.208	101.588	195.779	13.163	0.26032	3.19858	12 X
Q9894	15.4	0.15	K232P	72.001	346.310	206.235	16.256	0.14683	3.11269	14 X
Q9925	16.9	0.15	K232P	329.612	133.284	161.808	12.356	0.28845	2.44799	13 X
R0831	15.6	0.15	K232P	324.721	125.402	195.829	21.517	0.15162	3.07324	14 X
R0870	15.3	0.15	K232P	197.817	238.566	213.068	15.171	0.11663	3.08014	15 X
R3108	15.9	0.15	K232P	34.745	36.034	199.835	13.921	0.06241	3.05712	14 X
R4109	17.1	0.15	K232P	242.324	220.643	157.550	23.598	0.06567	1.98867	14 X
R4819	17.7	0.15	K232P	314.082	167.521	129.194	24.285	0.05715	1.98477	12 X
R6382	15.8	0.15	K232P	282.142	161.675	207.546	11.408	0.07403	3.11458	15 X
R6857	16.9	0.15	K232P	340.171	50.665	226.579	12.196	0.21147	2.44541	12 X
R7947	15.2	0.15	K232P	327.482	148.152	179.354	18.984	0.26109	3.17706	14 X
R8482	15.6	0.15	K232P	0.852	49.084	219.701	16.938	0.24020	3.18050	12 X
R9911	15.4	0.15	K232P	291.368	144.294	222.640	16.166	0.16447	3.13139	15 X
S0724	14.9	0.15	K232P	64.740	309.515	246.820	26.052	0.18441	3.16367	13 X
S1285	15.4	0.15	K232P	277.811	205.454	190.650	18.656	0.31685	3.11269	15 X
S2259	16.6	0.15	K232P	321.551	160.837	149.089	16.856	0.21254	2.55110	14 X
S5076	15.2	0.15	K232P	66.765	338.786	229.081	15.069	0.04067	3.17084	15 X
S6708	16.6	0.15	K232P	6.907	23.286	220.091	11.137	0.22456	2.54770	16 X

S6951	16.5	0.15	K232P	41.952	17.068	210.259	15.036	0.10092	2.59687	15 X
S7926	16.5	0.15	K232P	221.017	206.280	221.576	13.389	0.13781	2.57654	14 X
S8414	16.2	0.15	K232P	202.206	269.657	170.617	22.035	0.05764	2.66635	15 X
S9416	15.7	0.15	K232P	86.885	300.842	235.687	14.789	0.09314	2.58499	16 X
S9599	15.1	0.15	K232P	174.112	223.561	246.134	23.070	0.22260	2.55856	15 X
T1592	16.1	0.15	K232P	264.022	188.101	191.801	14.539	0.12207	2.52293	16 X
T3132	15.9	0.15	K232P	122.518	285.619	223.713	16.153	0.08382	2.75075	14 X
T7973	16.3	0.15	K232P	356.479	38.475	230.393	14.139	0.10945	2.55815	16 X
T7977	17.0	0.15	K232P	350.625	95.446	172.658	14.945	0.17161	2.57811	12 X
T7990	16.1	0.15	K232P	305.178	131.571	206.297	13.204	0.15403	2.60494	13 X
T8616	16.0	0.15	K232P	265.971	170.515	214.079	13.133	0.17815	2.57800	14 X
U1717	16.9	0.15	K232P	351.604	82.289	184.266	11.304	0.17803	2.60019	13 X
U1779	16.3	0.15	K232P	22.522	56.188	178.939	14.270	0.11952	2.58397	14 X
U4150	17.0	0.15	K232P	292.968	143.399	212.917	12.922	0.20010	2.57325	12 X
U6241	16.1	0.15	K232P	162.620	261.855	171.100	21.976	0.04996	2.66571	14 X
U7064	17.4	0.15	K232P	279.679	173.509	120.118	23.201	0.14432	1.61690	15 X
U7293	16.9	0.15	K232P	0.470	59.959	201.742	11.818	0.16567	2.61524	12 X
U8077	15.2	0.15	K232P	296.135	132.948	233.923	17.172	0.08705	3.55941	13 X
U8852	16.7	0.15	K232P	115.505	216.458	242.528	2.452	0.05351	2.77853	13 X
V3521	15.6	0.15	K232P	286.161	121.210	257.088	30.045	0.25534	2.63643	12 X
V4848	16.2	0.15	K232P	253.454	162.211	238.786	13.139	0.15357	2.68426	14 X
V7131	16.7	0.15	K232P	240.756	161.064	228.069	19.091	0.11001	1.98142	15 X
W4378	18.0	0.15	K232P	290.546	55.232	246.060	1.553	0.19154	2.29804	11 X
W6753	16.3	0.15	K232P	220.347	184.758	204.303	24.927	0.19895	2.27852	12 X
W8392	16.1	0.15	K232P	322.897	118.436	197.168	13.639	0.11148	2.98944	14 X
X1614	15.9	0.15	K232P	303.532	80.701	279.559	20.898	0.31633	2.39020	12 X
X1666	15.9	0.15	K232P	292.452	182.372	186.894	16.409	0.20555	3.03724	15 X
X1963	17.6	0.15	K232P	301.363	64.106	263.835	31.470	0.41673	1.95267	7 X
X2026	17.0	0.15	K232P	308.198	69.834	243.397	10.720	0.32967	2.36686	12 X
X2803	15.8	0.15	K232P	148.726	195.145	235.011	8.762	0.09022	3.11103	14 X
X3576	15.5	0.15	K232P	10.112	15.907	246.168	19.690	0.21323	3.09992	13 X
X4343	17.1	0.15	K232P	223.965	317.363	52.847	5.543	0.20589	2.46140	14 X
X6038	16.3	0.15	K232P	345.390	94.735	199.122	12.006	0.14453	3.15649	10 X
X6850	15.6	0.15	K232P	336.985	95.631	209.174	13.876	0.02461	3.10462	13 X
X7230	17.0	0.15	K232P	349.712	60.032	203.103	11.818	0.23798	2.42068	10 X
X7393	15.7	0.15	K232P	272.946	189.936	212.523	15.259	0.27420	3.16646	14 X
Y1227	15.6	0.15	K232P	278.710	211.150	175.690	18.284	0.21923	3.10229	15 X
Y6671	17.3	0.15	K232P	172.718	331.177	78.206	0.583	0.30408	2.59358	10 X
Y7589	16.2	0.15	K232P	67.353	309.507	233.957	14.771	0.21122	2.61494	14 X
Z0202	12.8	0.15	K232P	354.251	38.417	265.761	23.133	0.08661	5.17423	14 X
Z0893	16.3	0.15	K232P	237.858	238.640	130.525	27.254	0.15804	2.64631	13 X
Z3373	15.9	0.15	K232P	270.545	214.737	139.576	22.748	0.30135	2.52590	15 X
Z6160	16.5	0.15	K232P	193.414	254.679	187.500	21.775	0.05779	2.63891	15 X
Z6971	15.8	0.15	K232P	326.314	139.162	194.284	12.439	0.48149	2.75077	15 X
Z7479	16.3	0.15	K232P	337.383	97.261	199.002	14.927	0.14356	2.74133	12 X
a5779	16.7	0.15	K232P	138.436	197.488	242.347	2.651	0.05799	2.97222	15 X
a6429	18.3	0.15	K232P	183.028	181.972	247.981	19.693	0.05825	1.83891	9 X
a6771	16.2	0.15	K232P	290.858	151.256	212.705	13.455	0.16287	2.86138	12 X
a7631	16.1	0.15	K232P	186.492	160.434	238.906	10.971	0.12661	3.06335	15 X
b3511	15.2	0.15	K232P	267.730	204.810	149.828	27.410	0.16894	3.17780	13 X
b4644	16.1	0.15	K232P	330.439	90.558	217.739	13.091	0.11924	3.09528	12 X
b6376	18.0	0.15	K232P	192.820	277.724	150.571	22.506	0.11974	1.86636	10 X
b6397	17.9	0.15	K232P	321.875	83.309	184.838	6.077	0.12954	2.32097	14 X
b7087	15.9	0.15	K232P	77.031	272.519	256.381	19.293	0.27595	2.41323	11 X
b9509	15.1	0.15	K232P	58.807	318.270	246.521	16.818	0.19700	3.24696	15 X
c3659	16.0	0.15	K232P	303.643	149.369	210.176	16.046	0.21164	3.09423	12 X
c6373	16.9	0.15	K232P	118.668	211.314	239.846	10.836	0.09664	2.56444	12 X
c8603	17.2	0.15	K232P	314.896	146.325	174.205	15.320	0.14697	2.54850	11 X
d2328	17.5	0.15	K232P	336.118	105.259	183.394	13.667	0.26962	2.59487	8 X
d3348	17.4	0.15	K232P	321.506	155.724	181.157	11.634	0.50864	2.67624	7 X
d4158	16.5	0.15	K232P	306.730	180.010	159.860	14.652	0.25722	2.64241	11 X
d4517	16.7	0.15	K232P	26.973	14.663	219.225	13.586	0.12740	2.61312	12 X
d6924	17.1	0.15	K232P	343.535	91.841	188.036	16.257	0.32881	2.68110	9 X
d8038	17.0	0.15	K232P	336.921	119.869	169.854	11.773	0.21230	2.66906	12 X
d9763	17.2	0.15	K232P	350.138	49.271	221.060	11.734	0.24986	2.69122	12 X
e0649	16.8	0.15	K232P	326.731	121.800	183.976	13.903	0.11934	2.68425	11 X
e5971	17.3	0.15	K232P	338.997	104.386	183.687	10.977	0.18316	2.66177	10 X
e7125	15.6	0.15	K232P	113.741	222.767	240.233	8.793	0.04337	2.99670	11 X
e7141	16.9	0.15	K232P	204.502	341.054	45.591	2.046	0.17107	2.99515	11 X
f2329	16.8	0.15	K232P	329.913	99.960	205.731	14.234	0.16028	2.84658	9 X
f5752	17.0	0.15	K232P	317.366	195.312	154.501	17.325	0.53128	2.77858	8 X
f8669	15.8	0.15	K232P	309.050	37.995	238.784	7.793	0.05687	3.15490	12 X
g0236	15.3	0.15	K232P	101.742	316.760	177.749	22.251	0.07659	3.20149	14 X
g1232	16.4	0.15	K232P	343.208	358.893	253.933	22.235	0.11102	2.31014	12 X
g8163	18.3	0.15	K232P	280.954	91.182	213.907	21.053	0.07672	1.84508	9 X
h1345	17.5	0.15	K232P	302.513	177.057	127.501	24.044	0.02121	1.86805	9 X
h1440	16.3	0.15	K232P	317.906	127.564	206.955	12.276	0.26282	3.07402	13 X
h8500	17.0	0.15	K232P	290.478	194.151	157.243	15.272	0.12588	2.52459	10 X
h8953	17.6	0.15	K232P	320.024	146.040	138.901	22.974	0.06850	1.87364	9 X
i0092	17.2	0.15	K232P	291.467	153.135	203.939	12.736	0.19292	2.61329	11 X
i7514	16.2	0.15	K232P	219.162	189.581	229.020	21.202	0.04924	2.67573	14 X
i8465	17.3	0.15	K232P	15.679	31.469	200.132	12.972	0.21664	2.59582	10 X
j0580	17.0	0.15	K232P	306.182	141.796	177.045	12.283	0.29930	2.66263	9 X
j2679	17.3	0.15	K232P	195.875	337.686	52.057	2.618	0.09500	2.89930	8 X
j2819	17.2	0.15	K232P	314.186	161.323	168.445	20.424	0.28813	2.63240	12 X
j3929	16.4	0.15	K232P	257.488	138.546	259.672	31.640	0.18762	2.61224	8 X
j4335	17.2	0.15	K232P	315.809	164.098	165.138	15.183	0.29143	2.66766	7 X
j8732	17.9	0.15	K232P	300.405	224.834	170.346	10.558	0.60314	2.48647	5 X
k0147	16.5	0.15	K232P	313.429	134.634	169.711	20.964	0.29060	2.78134	11 X
k1003	15.5	0.15	K232P	296.939	193.317	123.183	28.879	0.15071	3.20506	11 X
k8165	16.4	0.15	K232P	168.111	333.703	96.227	19.502	0.19562	3.10078	8 X
l3563	16.3	0.15	K232P	351.304	26.739	255.405	17.833	0.06955	2.76818	10 X
l4654	17.5	0.15	K232P	151.421	8.186	54.868	1.196	0.18949	2.59576	9 X

m1388	17.0	0.15	K232P	297.193	97.325	256.932	21.546	0.26416	2.26868	8	X
m1943	18.3	0.15	K232P	249.362	233.233	135.882	23.722	0.07258	1.90271	11	X
m2464	17.6	0.15	K232P	62.148	290.189	252.792	18.867	0.09626	1.91343	9	X
m4165	17.2	0.15	K232P	170.286	176.212	234.761	10.900	0.20790	2.79890	7	X
m4784	17.7	0.15	K232P	240.457	239.921	136.118	23.556	0.07387	1.91164	10	X
m4845	18.0	0.15	K232P	279.392	113.025	193.467	21.251	0.09098	1.96828	8	X
m5180	18.3	0.15	K232P	94.105	286.878	197.089	20.946	0.07651	1.95344	8	X
m5321	17.4	0.15	K232P	63.557	125.556	16.692	0.588	0.13952	3.11463	10	X
m8453	19.2	0.15	K232P	317.986	249.453	96.103	4.310	0.73402	2.34627	7	X
m8558	16.2	0.15	K232P	332.969	78.705	199.548	24.638	0.29155	3.19475	11	X
n0711	16.9	0.15	K232P	288.348	161.125	211.462	13.685	0.26118	2.67940	11	X
n1567	18.0	0.15	K232P	349.908	35.286	112.991	15.902	0.52811	1.57473	10	X
n3208	16.8	0.15	K232P	330.789	90.199	218.253	12.882	0.16593	2.88946	10	X
n3388	16.1	0.15	K232P	3.375	18.113	246.857	23.219	0.23230	3.00420	9	X
n4550	17.9	0.15	K232P	198.451	254.063	132.502	22.779	0.09040	1.90943	8	X
n5282	16.6	0.15	K232P	207.669	18.318	6.731	0.601	0.16488	3.20801	12	X
n5615	17.7	0.15	K232P	89.363	198.974	234.389	34.602	0.23740	0.98247	9	X
n6265	16.3	0.15	K232P	306.050	145.658	209.412	14.076	0.28653	3.16875	9	X
n8386	18.1	0.15	K232P	172.294	164.802	240.649	5.758	0.19836	2.27402	8	X
o3365	17.9	0.15	K232P	354.847	67.948	148.323	6.780	0.10396	2.19022	8	X
o6736	18.1	0.15	K232P	177.448	346.936	55.692	4.081	0.19419	2.36316	8	X
p3125	18.3	0.15	K232P	308.726	150.181	177.205	5.922	0.65323	2.03167	6	X
p4295	16.7	0.15	K232P	344.927	49.514	233.235	12.233	0.17072	2.68961	10	X
p4699	17.2	0.15	K232P	338.918	114.272	172.251	13.023	0.25364	2.58836	9	X
p8471	17.4	0.15	K232P	303.484	183.239	167.122	17.516	0.29817	2.73702	7	X
r5291	18.3	0.15	K232P	167.453	351.457	55.554	5.939	0.04372	2.30251	9	X
r8692	18.5	0.15	K232P	45.096	281.600	236.393	5.282	0.09086	2.27028	8	X
s1536	17.9	0.15	K232P	316.385	85.911	242.790	14.035	0.31765	2.53699	8	X
t0699	16.3	0.15	K232P	293.462	156.873	215.339	13.225	0.22147	3.20067	9	X
t8887	16.1	0.15	K232P	244.010	240.061	138.873	27.424	0.22796	3.16643	9	X
u3790	15.8	0.15	K232P	358.048	44.942	237.003	14.601	0.07214	3.20239	10	X
y1222	17.8	0.15	K232P	157.130	182.420	237.207	8.814	0.04549	2.60422	9	X
y3343	18.5	0.15	K232P	191.100	140.346	244.428	3.810	0.03436	2.35041	9	X
y3766	18.3	0.15	K232P	340.688	31.449	209.678	20.919	0.03579	1.91446	7	X
y5439	17.7	0.15	K232P	324.243	157.520	131.189	26.810	0.31809	2.25988	7	X
y5642	18.7	0.15	K232P	302.839	30.818	251.166	0.998	0.12695	2.42021	6	X
y5964	18.2	0.15	K232P	22.055	75.220	115.737	23.983	0.05168	1.94175	7	X
y8281	18.4	0.15	K232P	135.401	15.828	56.975	3.626	0.13331	2.31390	10	X
z5515	16.6	0.15	K232P	322.021	88.237	234.912	12.932	0.14333	2.94179	12	X

New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
J95F000	20.9	0.15	K232P	191.479	272.623	180.750	11.236	0.36438	1.48812	2	B
J99U00Q	21.8	0.15	K232P	311.429	7.244	211.309	24.817	0.01589	1.09419	4	X
K03A02Y	19.7	0.15	K232P	39.324	285.952	274.983	10.322	0.56445	1.82234	6	B
K03SL4U	19.2	0.15	K232P	227.581	66.142	7.652	5.623	0.54077	2.57554	2	B
K04S01B	20.5	0.15	K232P	73.406	128.196	354.293	10.339	0.48159	1.17947	6	B
K04Tc8K	19.2	0.15	K232P	322.457	319.672	107.001	2.260	0.17697	2.39578	4	V
K04Y01K	21.3	0.15	K232P	335.845	77.432	96.429	8.648	0.41545	1.88456	3	B
K05G01Y	19.3	0.15	K232P	262.694	255.357	29.151	20.167	0.05301	1.87990	5	V
K06BU4A	17.1	0.15	K232P	41.156	125.052	335.768	13.653	0.12029	3.16272	5	V
K06HE1T	17.4	0.15	K232P	42.223	27.182	131.168	6.691	0.08434	3.09005	10	V
K06U00R	19.4	0.15	K232P	210.018	200.335	263.241	5.322	0.44854	2.01796	3	B
K06W03Z	20.2	0.15	K232P	331.683	0.468	176.283	3.823	0.57803	1.74552	4	B
K07BC1F	17.5	0.15	K232P	43.092	25.419	109.693	4.489	0.14116	2.96739	4	V
K07C87J	17.9	0.15	K232P	326.563	125.231	54.760	2.059	0.07153	3.05129	5	V
K07RF4G	18.3	0.15	K232P	249.446	109.171	240.266	2.975	0.23788	2.20759	7	X
K08E97V	18.5	0.15	K232P	141.780	190.101	237.422	4.731	0.19639	2.34810	8	X
K08G04A	19.3	0.15	K232P	160.247	0.712	83.043	6.318	0.66945	1.77014	4	B
K08S43U	18.2	0.15	K232P	147.854	9.223	56.798	0.836	0.11589	2.54232	10	X
K09J14E	17.5	0.15	K232P	351.637	349.452	234.412	2.485	0.16678	2.80181	11	X
K09R54Y	18.7	0.15	K232P	245.095	294.983	55.680	2.123	0.19146	2.39090	5	X
K09S17W	19.8	0.15	K232P	229.971	42.175	42.440	8.404	0.59813	2.01252	3	B
K09X29M	17.0	0.15	K232P	105.807	230.646	234.111	9.243	0.12213	3.12391	8	X
K10R45P	20.5	0.15	K232P	25.678	143.618	317.804	18.956	0.18431	1.56991	6	B
K10RI1F	20.7	0.15	K232P	264.955	2.444	51.065	6.224	0.54525	2.21022	2	B
K10TL3Y	17.9	0.15	K232P	238.305	291.364	59.196	2.844	0.08733	2.83968	5	X
K10TN8Q	19.4	0.15	K232P	29.024	203.824	276.831	6.324	0.06195	2.36980	3	V
K10TN8R	19.5	0.15	K232P	335.262	343.896	22.776	3.871	0.31326	2.61822	2	V
K11E78D	18.4	0.15	K232P	341.404	143.666	126.704	8.709	0.62460	3.28173	3	X
K11H00O	19.7	0.15	K232P	353.731	177.122	88.535	13.108	0.62385	3.26849	2	B
K11P01O	20.9	0.15	K232P	310.537	166.773	210.640	5.744	0.63484	2.51608	4	B
K11S76L	17.6	0.15	K232P	57.541	276.595	237.988	4.114	0.05505	2.69677	7	X
K11Uo2B	17.3	0.15	K232P	44.140	285.254	231.704	14.107	0.09956	2.83661	7	X
K11WH4B	19.2	0.15	K232P	339.592	352.625	99.055	4.044	0.17817	2.41701	3	V
K11Y99D	17.4	0.15	K232P	5.908	217.965	282.065	8.495	0.08546	3.05915	6	X
K12D42Q	17.5	0.15	K232P	76.354	122.267	10.617	0.651	0.09593	2.96268	8	X
K12DD2U	18.9	0.15	K232P	311.557	227.220	350.113	2.063	0.15657	2.40432	3	V
K12DD2V	17.3	0.15	K232P	281.959	240.222	24.263	16.591	0.07552	3.12794	4	V
K12G53Y	17.4	0.15	K232P	359.029	18.861	189.961	0.446	0.12686	3.10111	6	X
K12G54C	18.7	0.15	K232P	1.145	127.374	32.424	24.542	0.21932	2.38988	2	V
K12J04M	21.2	0.15	K232P	357.752	287.674	315.441	2.901	0.34856	1.93470	3	B
K12P14P	16.5	0.15	K232P	31.587	297.530	316.991	25.354	0.18123	3.10259	8	V
K12S64R	18.4	0.15	K232P	243.305	141.824	219.060	1.205	0.26988	2.47640	5	X
K13M24Z	17.5	0.15	K232P	350.229	254.546	312.654	6.048	0.11571	3.07663	6	V
K13N74U	17.2	0.15	K232P	333.562	241.015	340.055	10.563	0.11227	3.16357	6	V
K13N75F	17.6	0.15	K232P	302.361	331.451	304.356	8.973	0.24941	3.05589	2	V
K13PD4Z	18.6	0.15	K232P	67.642	238.804	180.732	9.785	0.20666	2.53053	4	V
K13Q17G	20.3	0.15	K232P	240.288	283.486	117.129	9.233	0.35472	1.85740	3	B
K13R89J	16.8	0.15	K232P	248.053	100.764	244.473	3.253	0.09963	3.21874	10	X
K13TO7W	17.8	0.15	K232P	281.048	280.263	33.287	10.387	0.21377	3.16152	4	V
K14G53E	18.5	0.15	K232P	15.128	114.019	130.535	27.312	0.51283	2.66877	2	B
K14HX8B	17.0	0.15	K232P	238.290	93.433	111.950	8.313	0.05803	3.04152	10	V

K14JE4B	18.0	0.15	K232P	195.667	43.778	218.372	15.105	0.23245	3.14328	2 V
K14M55C	18.5	0.15	K232P	104.203	124.514	253.829	46.934	0.43315	1.84038	3 B
K14N95G	17.5	0.15	K232P	198.120	142.207	129.647	10.664	0.10250	3.21661	3 V
K14N95H	17.3	0.15	K232P	262.906	173.097	77.309	6.484	0.12838	3.08520	4 V
K14O11Z	18.0	0.15	K232P	298.167	218.789	160.002	4.543	0.05350	2.62716	4 V
K14O12A	18.2	0.15	K232P	195.269	198.145	162.792	1.476	0.21599	3.01086	2 V
K14O12B	19.5	0.15	K232P	230.729	258.608	349.968	3.773	0.21223	2.27283	4 V
K14O12C	19.1	0.15	K232P	133.450	276.599	21.298	2.504	0.20393	2.37812	3 V
K14O12D	18.5	0.15	K232P	327.931	243.853	117.226	2.856	0.20971	2.63400	4 V
K14P58B	20.8	0.15	K232P	180.381	333.122	130.525	46.415	0.32774	1.28641	2 B
K14Qw6L	17.1	0.15	K232P	100.662	311.096	132.757	6.555	0.07851	3.12005	9 V
K14Qw6M	19.7	0.15	K232P	80.253	236.861	167.360	1.276	0.18453	2.35940	3 V
K14Qw6N	18.2	0.15	K232P	3.539	208.574	59.947	11.171	0.22082	2.74878	2 V
K14Sf7B	17.2	0.15	K232P	208.653	107.182	198.610	18.014	0.14493	3.17856	3 V
K14W27A	17.2	0.15	K232P	145.516	198.453	235.308	8.884	0.07580	3.19252	5 X
K14Wa2U	20.9	0.15	K232P	207.013	178.888	247.896	19.291	0.30329	1.74095	2 B
K14Wp8T	17.3	0.15	K232P	287.228	266.461	32.032	1.175	0.04008	3.17647	10 X
K14Wu2W	16.6	0.15	K232P	321.705	29.429	238.745	15.742	0.14728	3.16104	7 X
K14Y14H	20.8	0.15	K232P	51.398	91.921	79.950	27.110	0.30397	1.84155	2 B
K14Y34S	20.8	0.15	K232P	40.978	321.999	210.063	6.887	0.38571	1.55326	3 B
K15BC4R	18.9	0.15	K232P	9.426	235.779	318.845	1.558	0.16308	2.40707	3 X
K15BV0X	20.2	0.15	K232P	21.290	271.494	309.126	47.468	0.28517	1.54037	3 B
K15C82O	20.3	0.15	K232P	353.821	203.183	316.976	19.004	0.05564	1.90510	2 V
K15DV5B	17.3	0.15	K232P	175.206	191.508	302.589	8.867	0.09772	3.18311	4 V
K15F10X	17.4	0.15	K232P	295.978	350.886	112.072	10.316	0.05011	2.92690	4 V
K15HA5C	17.0	0.15	K232P	121.429	177.466	79.577	11.808	0.05330	3.07522	3 V
K15MK4Z	18.1	0.15	K232P	334.021	97.168	158.114	11.793	0.15681	2.58396	3 V
K15Pa4S	18.4	0.15	K232P	305.681	11.376	260.362	4.175	0.14117	2.67845	2 V
K15Pa4T	18.1	0.15	K232P	257.779	23.584	303.375	6.056	0.06958	2.69393	3 V
K15R82K	20.7	0.15	K232P	69.690	203.347	319.520	10.186	0.35371	1.19147	2 B
K15RD8R	18.5	0.15	K232P	159.274	180.549	168.504	2.053	0.18185	3.00090	2 V
K15Rb7C	18.3	0.15	K232P	212.910	160.671	255.807	2.227	0.10452	2.63026	4 V
K15Rb7D	17.7	0.15	K232P	133.590	159.231	172.824	8.818	0.08845	3.14588	2 V
K15S56L	17.6	0.15	K232P	291.457	13.932	271.690	8.414	0.24937	2.71058	3 V
K15TSOU	17.4	0.15	K232P	210.817	132.732	239.851	5.214	0.04775	2.79944	8 X
K15TT1E	19.1	0.15	K232P	7.014	57.393	330.853	2.210	0.17776	2.35084	3 V
K15T18P	17.5	0.15	K232P	289.363	228.409	47.671	18.246	0.09622	2.84616	4 V
K15XK9P	17.3	0.15	K232P	228.668	298.358	60.878	2.947	0.08194	2.90229	13 X
K15Xo0Z	17.8	0.15	K232P	92.454	268.296	147.625	16.568	0.22142	3.22020	3 V
K16A54P	16.9	0.15	K232P	110.437	142.357	317.919	0.010	0.12348	3.14515	13 X
K16AJ3O	20.9	0.15	K232P	334.627	284.950	301.898	24.066	0.44558	1.74426	2 B
K16BD9X	19.4	0.15	K232P	29.505	141.301	359.200	7.077	0.12834	2.24072	2 V
K16Ce9J	18.0	0.15	K232P	191.952	111.432	344.267	12.172	0.16966	2.92835	4 V
K16G71A	18.2	0.15	K232P	180.778	334.177	32.823	4.952	0.20546	2.30399	2 V
K16J20W	19.3	0.15	K232P	1.771	140.333	52.280	1.724	0.12951	2.31531	3 X
K16NA6P	18.9	0.15	K232P	323.153	28.886	227.406	1.779	0.13721	2.39673	4 X
K16NI3C	18.8	0.15	K232P	302.158	23.344	254.489	0.630	0.16863	2.38857	7 V
K16PR5X	18.0	0.15	K232P	325.618	143.768	126.605	24.323	0.24293	2.39111	5 V
K16UA1J	20.5	0.15	K232P	218.973	109.677	239.975	26.688	0.22103	1.25462	4 X
K16UO3R	18.3	0.15	K232P	337.042	193.955	39.879	5.178	0.17472	2.61336	2 X
K16V64G	17.3	0.15	K232P	14.327	33.446	78.177	29.723	0.25290	3.15037	2 V
K17BB4H	17.2	0.15	K232P	349.151	175.544	26.842	17.249	0.10901	3.04189	3 V
K17BL7J	17.9	0.15	K232P	20.118	24.836	132.658	11.419	0.17446	3.14258	3 V
K17BL7K	17.7	0.15	K232P	10.851	154.232	17.451	17.556	0.15710	3.13684	3 V
K17BL7L	17.3	0.15	K232P	2.681	4.154	176.497	9.764	0.11133	3.18509	3 V
K17BL7M	17.5	0.15	K232P	30.975	186.170	335.040	11.657	0.08674	3.01438	3 V
K17F74J	17.4	0.15	K232P	22.368	310.837	242.452	3.727	0.07911	3.06996	7 X
K17K34Y	21.7	0.15	K232P	304.228	1.765	282.856	7.129	0.46630	2.11313	2 B
K17N31X	18.4	0.15	K232P	76.694	205.885	137.219	6.323	0.13235	2.68367	4 V
K17O18U	23.8	0.15	K232P	332.509	185.269	302.217	30.382	0.37739	0.82572	3 B
K17R85F	19.2	0.15	K232P	269.785	91.772	240.335	1.790	0.26975	2.16226	3 X
K17S25B	19.8	0.15	K232P	305.154	39.327	52.999	22.606	0.10477	1.94589	3 V
K17WA0U	18.4	0.15	K232P	63.062	14.933	81.524	4.121	0.13042	2.61029	3 V
K17X97H	17.5	0.15	K232P	299.383	47.238	278.478	23.322	0.19912	2.29903	6 V
K18C34E	17.6	0.15	K232P	344.487	355.592	119.336	18.392	0.15011	3.15737	3 V
K18G29L	17.2	0.15	K232P	321.961	124.319	94.246	27.838	0.12479	3.05536	4 V
K18J05E	20.5	0.15	K232P	22.186	336.281	232.277	18.233	0.35216	1.77336	3 B
K18K21Y	20.3	0.15	K232P	334.127	133.912	102.396	24.414	0.07907	1.84196	3 V
K18K21Z	17.6	0.15	K232P	349.979	359.555	194.441	1.069	0.12015	3.10416	3 V
K18K22A	17.4	0.15	K232P	312.571	103.195	136.201	12.036	0.03327	3.08532	4 V
K18M36W	16.9	0.15	K232P	302.969	29.022	238.496	26.356	0.13644	3.13773	5 V
K18N04E	20.1	0.15	K232P	22.816	296.618	289.585	14.355	0.32303	1.76398	2 B
K18PA7R	18.4	0.15	K232P	333.694	262.904	329.535	21.522	0.45632	3.14099	2 V
K18T02V	20.8	0.15	K232P	331.239	163.908	341.503	10.143	0.63142	1.64208	4 B
K18V40K	18.2	0.15	K232P	337.052	115.122	304.582	3.998	0.10125	2.68630	2 V
K19AC5H	19.1	0.15	K232P	0.904	183.912	323.966	7.125	0.19104	2.53257	3 V
K19N61R	17.9	0.15	K232P	287.151	67.664	231.531	2.935	0.07718	2.79378	5 X
K19T79T	17.1	0.15	K232P	184.424	340.887	59.036	10.203	0.07445	3.16640	6 X
K19T84Y	16.8	0.15	K232P	358.731	348.271	233.991	16.458	0.13287	3.14925	5 V
K19UE3S	19.4	0.15	K232P	101.356	87.312	313.302	17.896	0.09808	1.87809	3 V
K20B08S	20.8	0.15	K232P	188.526	295.915	144.201	21.641	0.23194	1.68059	3 B
K20D05B	19.2	0.15	K232P	323.943	188.860	77.806	11.705	0.51723	2.12970	4 X
K20M00S	22.0	0.15	K232P	307.175	200.657	95.813	7.573	0.43287	2.11338	3 V
K20OC1C	18.9	0.15	K232P	299.862	183.420	77.921	9.249	0.13965	2.40976	2 V
K20P98A	18.2	0.15	K232P	288.581	290.596	308.264	6.861	0.13998	2.61692	3 V
K20T79D	17.9	0.15	K232P	114.973	219.918	237.960	4.194	0.07236	2.76094	7 X
K20X24L	16.9	0.15	K232P	272.101	216.117	70.182	9.432	0.03412	3.22692	4 V
K21G12R	18.3	0.15	K232P	296.110	239.709	186.821	13.730	0.73937	2.08653	7 X
K21K20G	17.9	0.15	K232P	92.253	310.023	47.742	14.612	0.16126	2.51288	4 V
K21P26Q	18.7	0.15	K232P	139.553	153.865	350.964	55.589	0.53848	1.53250	3 B
K21PJ0C	19.6	0.15	K232P	300.838	109.944	133.389	24.452	0.06607	1.85997	4 V
K21RM0F	18.3	0.15	K232P	107.620	126.847	279.980	21.666	0.26071	2.41909	2 V
K21RM0L	19.3	0.15	K232P	93.105	215.231	190.952	7.782	0.10286	2.31654	3 V

K21V85N	17.7	0.15	K232P	16.692	314.722	174.348	0.496	0.12230	3.09338	4 V
K21W11K	18.3	0.15	K232P	284.701	188.624	66.454	3.001	0.03148	2.64486	4 V
K22Q03U	18.1	0.15	K232P	19.908	67.472	283.377	4.632	0.08650	2.85605	4 V
K22Q04E	18.6	0.15	K232P	348.004	64.881	333.193	0.993	0.08427	2.63181	3 V
K22QP5E	18.8	0.15	K232P	330.814	298.140	139.417	4.483	0.17823	2.60517	4 V
K22R86U	18.1	0.15	K232P	335.131	335.116	102.255	14.432	0.18456	2.60172	3 V
K22SS2X	18.4	0.15	K232P	24.925	251.430	149.108	8.060	0.07367	2.59391	4 V
K22UC4X	18.7	0.15	K232P	28.446	324.641	79.942	5.531	0.15077	2.62631	3 V
K22UC6U	19.6	0.15	K232P	34.517	312.512	107.096	24.311	0.09926	1.96396	2 V
K22UC8J	19.0	0.15	K232P	53.165	303.213	70.916	3.743	0.08507	2.62605	3 V
K22UC9M	19.1	0.15	K232P	337.315	239.696	241.399	4.335	0.25749	2.59677	3 V
K22W27W	18.0	0.15	K232P	310.348	269.879	257.098	11.692	0.21640	2.58685	2 V
K23B15V	18.3	0.15	K232P	312.828	329.815	232.171	8.357	0.10315	2.57585	6 V
K23F42N	17.1	0.15	K232P	247.106	203.057	96.799	12.675	0.06599	3.16505	5 V
K23F42O	17.5	0.15	K232P	15.815	103.440	74.254	10.132	0.07475	2.84664	4 V
K23F42P	17.3	0.15	K232P	347.877	50.333	162.364	12.737	0.06668	3.04167	6 V
K23F42Q	19.1	0.15	K232P	103.568	3.092	64.309	24.136	0.06844	1.90448	4 V
K23H19Y	17.1	0.15	K232P	352.669	199.985	19.209	9.869	0.04217	3.07019	6 X

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K01Y01E	20.9	0.15	K232P	338.164	98.103	65.581	4.459	0.50152	1.91207	58 B
K03S17F	19.4	0.15	K232P	218.474	18.573	21.208	3.571	0.27909	2.58691	25 V
K08Sa2P	17.6	0.15	K232P	172.686	19.638	319.957	4.700	0.24910	2.60203	34 V
K08W14A	22.9	0.15	K232P	324.109	84.464	71.557	13.027	0.42846	1.26384	15 B
K08X70R	18.1	0.15	K232P	139.409	144.010	311.021	3.804	0.28449	2.58416	27 V
K09DG3T	18.7	0.15	K232P	211.563	150.879	37.162	9.417	0.21736	3.05902	9 V
K09F97J	18.4	0.15	K232P	220.414	1.516	143.778	10.804	0.04378	3.13867	6 V
K09J24D	17.9	0.15	K232P	267.158	357.088	118.087	10.292	0.05497	3.09617	8 V
K09W25W	20.7	0.15	K232P	272.183	156.246	269.122	1.485	0.45283	1.97675	137 B
K10AG7Y	17.5	0.15	K232P	182.236	303.202	98.247	27.509	0.23507	3.11440	14 V
K10VS1Y	18.2	0.15	K232P	321.805	190.766	208.096	5.104	0.09364	2.63278	10 V
K11A23A	23.7	0.15	K232P	89.652	346.714	111.114	7.014	0.21734	1.29537	61 B
K11M00C	21.5	0.15	K232P	307.376	225.321	91.890	24.729	0.61662	2.54303	31 B
K11M16N	18.7	0.15	K232P	263.176	353.796	288.301	12.176	0.26865	2.64077	39 V
K11QB9P	19.1	0.15	K232P	152.746	340.047	331.719	6.521	0.12995	2.27048	31 V
K11SZ9E	19.8	0.15	K232P	189.505	293.314	87.187	10.897	0.21912	2.73488	30 V
K11Uo2D	17.9	0.15	K232P	3.633	57.858	35.966	15.358	0.20391	3.08491	37 V
K11Uo2E	20.5	0.15	K232P	182.778	181.793	188.268	4.172	0.21858	2.21371	32 V
K12FB7L	19.8	0.15	K232P	12.689	157.004	68.767	7.958	0.17216	2.31910	12 V
K12P62Q	19.8	0.15	K232P	111.785	158.276	146.649	8.276	0.22673	2.17882	12 V
K12SA3P	19.0	0.15	K232P	335.541	76.370	325.843	2.791	0.32773	3.04458	31 V
K12SA3Q	19.5	0.15	K232P	316.228	184.321	153.814	2.728	0.20146	2.38964	23 V
K12Td5W	19.9	0.15	K232P	267.979	36.571	15.419	20.135	0.10236	1.94497	26 V
K12Td5X	18.6	0.15	K232P	331.153	357.399	14.822	13.757	0.23205	3.08200	26 V
K12Td5Y	18.6	0.15	K232P	141.403	27.099	345.856	12.677	0.26420	2.67259	24 V
K12UP5C	18.5	0.15	K232P	152.523	291.847	78.833	13.017	0.13774	2.66097	29 V
K12UP5D	19.9	0.15	K232P	140.983	10.870	36.111	7.592	0.32192	2.65651	29 V
K12UP5E	17.8	0.15	K232P	3.693	245.061	92.172	12.032	0.28638	3.06275	25 V
K12VE4G	19.5	0.15	K232P	60.838	170.748	222.342	5.693	0.18965	2.21220	26 V
K13AL0R	17.9	0.15	K232P	257.747	236.350	306.325	16.803	0.23959	3.12637	31 V
K13AL0S	19.5	0.15	K232P	311.205	300.934	169.903	1.387	0.14082	2.33334	31 V
K13CQ3A	18.2	0.15	K232P	141.069	163.231	326.170	12.959	0.19519	2.62387	32 V
K13GG6G	19.3	0.15	K232P	214.790	108.467	119.607	3.692	0.21398	2.41635	26 V
K13J82Z	18.9	0.15	K232P	214.224	31.262	232.816	10.686	0.19601	2.38869	27 V
K13J83A	18.3	0.15	K232P	358.561	189.960	91.613	9.339	0.18821	2.80328	27 V
K13K01K	21.1	0.15	K232P	334.872	191.965	52.470	10.994	0.49517	2.94286	3 V
K13K06K	23.4	0.15	K232P	316.416	218.771	112.736	3.833	0.68698	2.22830	7 B
K13M25A	18.1	0.15	K232P	113.829	279.479	48.757	5.328	0.18913	2.53634	16 V
K13M25B	18.5	0.15	K232P	118.214	9.757	295.846	14.498	0.11850	2.55261	28 V
K13M25C	18.0	0.15	K232P	284.233	15.575	289.378	20.466	0.15595	3.04358	28 V
K13M25D	19.6	0.15	K232P	246.499	264.809	26.094	3.054	0.20461	2.34972	33 V
K13N75G	19.4	0.15	K232P	9.380	330.221	288.720	2.404	0.15879	2.20081	33 V
K13N75H	18.7	0.15	K232P	139.639	306.185	343.962	3.910	0.21894	2.54003	32 V
K13N75J	19.9	0.15	K232P	313.759	26.188	314.480	3.944	0.18238	2.20093	22 V
K13N75K	18.1	0.15	K232P	27.613	12.749	296.390	12.142	0.19547	2.75612	17 V
K13N75L	19.5	0.15	K232P	265.764	133.289	152.077	4.439	0.23261	2.31937	11 V
K13PD5A	19.7	0.15	K232P	335.239	18.493	289.873	7.330	0.20869	2.20451	22 V
K13PD5B	20.1	0.15	K232P	285.385	178.584	146.410	2.696	0.20005	2.27199	19 V
K13PD5C	19.8	0.15	K232P	298.002	311.643	346.479	2.772	0.30701	2.27684	29 V
K13PD5D	20.0	0.15	K232P	334.810	74.107	207.420	2.372	0.18545	2.25396	29 V
K13RH5S	19.9	0.15	K232P	186.589	132.045	197.624	2.004	0.20981	2.43873	22 V
K13RH5T	18.0	0.15	K232P	281.275	325.999	31.104	16.860	0.22706	3.05401	28 V
K13TO7X	19.3	0.15	K232P	293.644	258.815	102.801	2.656	0.24249	2.24372	25 V
K14Qa3N	21.1	0.15	K232P	267.896	331.094	132.032	16.013	0.77858	1.44795	9 B
K15TN8H	21.8	0.15	K232P	353.814	163.787	19.329	28.255	0.27662	1.22934	25 B
K16GD5M	22.3	0.15	K232P	188.461	31.743	38.742	14.165	0.44471	1.19288	22 B
K16Y00P	22.9	0.15	K232P	296.490	128.053	251.451	5.995	0.61963	2.28975	35 B
K17B31Q	20.7	0.15	K232P	292.367	25.671	16.424	8.197	0.67917	2.27412	20 B
K17SZ5D	18.6	0.15	K232P	62.916	319.901	88.728	5.881	0.12793	2.69108	48 V
K17T51K	19.7	0.15	K232P	197.106	134.893	226.766	5.632	0.20486	2.33331	31 V
K17UK9F	20.1	0.15	K232P	205.273	19.248	29.592	4.499	0.15739	2.24541	25 V
K17V69R	18.9	0.15	K232P	51.097	303.803	36.847	16.376	0.40676	2.93739	4 V
K18D02E	21.8	0.15	K232P	353.447	225.323	353.249	14.113	0.42331	1.81402	133 B
K18G00A	20.2	0.15	K232P	354.657	53.224	177.207	23.974	0.45446	1.81048	163 B
K19B00G	21.2	0.15	K232P	13.418	217.150	315.746	16.092	0.57490	2.45233	52 B
K19J01K	20.0	0.15	K232P	231.347	163.597	295.829	5.179	0.74876	1.79514	55 B
K19Q99V	20.1	0.15	K232P	312.352	67.707	331.878	2.233	0.18315	2.28829	3 V
K19T84Z	19.3	0.15	K232P	59.084	4.601	289.934	6.311	0.10448	2.30109	17 V
K19UE3T	19.7	0.15	K232P	340.970	325.897	62.767	6.679	0.17161	2.35686	10 V
K19UE3U	20.4	0.15	K232P	313.164	63.446	356.478	8.114	0.30970	2.39441	8 V
K19UE3V	17.4	0.15	K232P	223.933	38.100	350.824	18.678	0.13403	3.16526	12 V
K19UE3W	16.8	0.15	K232P	292.693	191.854	97.957	18.713	0.06470	3.17788	7 V

K19X02J	21.2	0.15	K232P	302.041	307.536	97.128	33.551	0.61922	2.51606	33 B
K19X14U	18.8	0.15	K232P	256.816	131.141	313.511	17.815	0.58392	2.69550	33 B
K20H02H	23.3	0.15	K232P	354.968	115.124	86.414	9.162	0.44692	2.04331	53 B
K20000P	23.4	0.15	K232P	318.477	191.709	299.148	29.154	0.41046	0.82752	7 B
K20004S	22.2	0.15	K232P	290.067	33.451	304.821	34.153	0.43444	2.11811	16 B
K20P01B	21.0	0.15	K232P	262.088	177.424	231.248	9.293	0.54359	2.18150	192 B
K20Q04Y	23.5	0.15	K232P	284.573	30.405	327.906	3.049	0.44580	2.12159	55 B
K20T93P	18.9	0.15	K232P	182.808	22.525	18.610	8.223	0.14389	2.63774	21 V
K20X00P	21.8	0.15	K232P	295.784	125.523	254.198	3.594	0.49881	2.00209	62 B
K21A29M	18.4	0.15	K232P	258.356	253.366	148.390	12.786	0.27502	2.43264	31 V
K21A29N	19.1	0.15	K232P	239.426	282.343	182.846	8.486	0.11216	2.28222	35 V
K21A29O	18.1	0.15	K232P	137.475	197.271	292.821	16.820	0.20286	3.11911	30 V
K21A29P	17.6	0.15	K232P	126.688	182.690	324.732	24.403	0.12077	3.19520	28 V
K21B15R	19.5	0.15	K232P	185.064	165.097	313.011	11.853	0.23155	2.64388	22 V
K21B15S	18.9	0.15	K232P	199.481	324.344	153.082	8.253	0.11221	2.52701	22 V
K21B15T	19.1	0.15	K232P	169.657	228.480	314.680	2.307	0.13698	2.36273	22 V
K21B15U	19.1	0.15	K232P	228.632	13.445	72.732	2.454	0.13824	2.40797	22 V
K21B15V	19.3	0.15	K232P	184.543	206.707	312.875	4.604	0.15716	2.33321	25 V
K21B15W	18.0	0.15	K232P	117.884	199.595	310.624	13.789	0.22585	3.16581	25 V
K21B15X	19.0	0.15	K232P	234.640	55.110	57.798	6.920	0.07782	2.30266	25 V
K21B15Y	20.4	0.15	K232P	210.217	167.699	336.997	3.422	0.27124	2.24553	27 V
K21B15Z	18.9	0.15	K232P	200.027	113.310	3.045	2.459	0.15421	2.46244	23 V
K21C47F	18.3	0.15	K232P	145.179	168.332	311.678	16.592	0.17802	3.14175	22 V
K21C47G	19.1	0.15	K232P	192.719	173.767	292.641	4.092	0.18156	2.64802	22 V
K21C47H	18.8	0.15	K232P	152.483	1.446	147.527	12.246	0.10868	2.73936	3 V
K21C47J	19.6	0.15	K232P	171.933	214.431	323.352	2.760	0.18357	2.40087	7 V
K21C47K	19.6	0.15	K232P	226.752	345.691	141.921	6.165	0.19142	2.24916	27 V
K21C47L	18.8	0.15	K232P	171.166	24.248	141.854	3.598	0.14693	2.48089	7 V
K21C47M	18.7	0.15	K232P	98.084	243.948	294.081	8.524	0.32792	3.50450	23 V
K21C47N	18.0	0.15	K232P	144.088	338.200	158.216	11.023	0.17270	3.13133	40 V
K21C47O	17.5	0.15	K232P	161.196	167.474	322.570	13.857	0.07048	3.00512	91 V
K21C47P	18.6	0.15	K232P	131.091	38.913	167.203	2.902	0.16397	2.63356	40 V
K21C47Q	19.2	0.15	K232P	154.681	216.627	302.670	9.012	0.20505	2.76192	70 V
K21C47R	18.0	0.15	K232P	159.503	299.384	163.409	16.493	0.21447	3.18456	10 V
K21C47S	19.8	0.15	K232P	168.341	330.767	223.585	2.421	0.12762	2.34720	10 V
K21C47T	19.6	0.15	K232P	159.975	201.525	306.718	6.306	0.20898	2.76203	10 V
K21C47U	17.7	0.15	K232P	128.691	352.667	165.708	7.083	0.09726	3.12511	40 V
K21C47V	18.1	0.15	K232P	144.287	196.646	303.812	9.504	0.07720	3.07173	10 V
K21C47W	17.4	0.15	K232P	220.645	222.743	173.502	9.928	0.09330	3.42736	10 V
K21C47X	19.2	0.15	K232P	143.829	226.286	336.004	13.094	0.20942	2.58995	14 V
K21C47Y	19.7	0.15	K232P	212.162	304.525	162.786	21.920	0.33949	2.43784	39 V
K21C47Z	17.9	0.15	K232P	84.978	195.790	344.508	21.095	0.32271	3.67523	24 V
K21C48A	16.8	0.15	K232P	57.743	245.546	355.709	24.447	0.12570	3.18047	39 V
K21C48B	18.2	0.15	K232P	275.610	9.668	25.333	12.700	0.24811	2.38078	7 V
K21C48C	19.0	0.15	K232P	229.415	110.286	17.063	5.328	0.09797	2.33263	35 V
K21C48D	19.2	0.15	K232P	142.798	69.918	149.309	30.087	0.30528	2.57400	27 V
K21C48E	19.3	0.15	K232P	225.270	109.948	16.694	6.474	0.10116	2.36343	35 V
K21C48F	18.8	0.15	K232P	160.148	171.949	353.732	15.480	0.07648	2.63542	35 V
K21C48G	17.8	0.15	K232P	151.773	70.625	62.898	3.915	0.11567	3.09733	35 V
K21C48H	17.7	0.15	K232P	106.199	202.882	348.525	14.319	0.11223	3.08831	35 V
K21C48J	17.8	0.15	K232P	92.208	104.076	106.139	2.311	0.16411	3.15673	35 V
K21C48K	17.9	0.15	K232P	154.996	136.493	358.562	8.476	0.06930	3.09386	35 V
K21C48L	19.3	0.15	K232P	226.490	50.725	63.980	3.602	0.13081	2.42571	35 V
K21C48M	17.5	0.15	K232P	58.521	52.258	173.420	9.677	0.03137	3.16028	28 V
K21D19Y	18.0	0.15	K232P	25.540	172.642	130.322	2.996	0.04179	2.86691	27 V
K21D19Z	18.9	0.15	K232P	127.562	169.252	14.149	9.386	0.23841	3.08220	27 V
K21D20A	19.5	0.15	K232P	146.790	289.610	224.728	22.765	0.31265	3.14752	61 V
K21D20B	18.8	0.15	K232P	153.758	193.673	358.920	9.273	0.07942	2.47827	30 V
K21D20C	19.8	0.15	K232P	127.277	284.182	316.751	10.992	0.29392	2.52788	35 V
K21D20D	18.1	0.15	K232P	251.409	264.891	158.520	9.747	0.05645	2.70168	30 V
K21D20E	17.8	0.15	K232P	95.207	39.515	157.894	13.112	0.10694	3.17969	30 V
K21E53S	19.8	0.15	K232P	193.459	12.516	162.684	8.348	0.14075	2.37123	38 V
K21E53T	17.9	0.15	K232P	168.557	215.537	287.425	7.205	0.11219	3.12240	36 V
K21E53U	18.5	0.15	K232P	118.270	292.686	303.160	7.798	0.14487	2.78543	36 V
K21E53V	18.7	0.15	K232P	120.850	196.733	13.339	11.796	0.17279	2.91247	32 V
K21E53W	19.5	0.15	K232P	148.107	183.569	9.931	16.296	0.21027	2.72731	31 V
K21E53X	19.5	0.15	K232P	212.278	129.949	43.532	6.747	0.04716	2.24261	31 V
K21E53Y	18.4	0.15	K232P	182.430	25.002	138.334	11.880	0.06299	2.65014	27 V
K21E53Z	18.8	0.15	K232P	164.519	199.499	13.445	6.107	0.04983	2.33890	31 V
K21E54A	20.0	0.15	K232P	157.102	206.267	24.318	2.641	0.18954	2.35216	31 V
K21E54B	17.3	0.15	K232P	43.405	219.671	53.061	10.646	0.02822	3.11916	5 V
K21E54C	19.0	0.15	K232P	203.271	111.744	40.447	4.447	0.12037	2.46408	31 V
K21E54D	18.7	0.15	K232P	119.025	112.554	98.186	2.792	0.12125	2.86125	23 V
K21E54E	19.1	0.15	K232P	173.739	307.219	229.652	6.045	0.11618	2.60247	31 V
K21E54F	17.8	0.15	K232P	104.224	333.876	243.847	10.603	0.16599	3.07642	25 V
K21E54G	18.5	0.15	K232P	211.593	281.264	199.040	14.013	0.10228	2.65411	30 V
K21E54H	17.8	0.15	K232P	77.333	42.561	203.205	14.165	0.21010	3.20062	26 V
K21E54J	18.9	0.15	K232P	214.734	154.547	318.486	4.875	0.22871	2.59930	30 V
K21E54K	19.8	0.15	K232P	187.526	304.788	241.087	8.033	0.18952	2.37922	25 V
K21E54L	17.3	0.15	K232P	13.151	80.253	213.680	15.330	0.00408	3.17972	25 V
K21E54M	17.5	0.15	K232P	77.080	8.829	233.835	2.226	0.05338	3.13841	26 V
K21E54N	17.6	0.15	K232P	115.339	201.847	359.096	12.524	0.10630	3.14545	20 V
K21E54O	18.9	0.15	K232P	134.679	167.800	81.221	2.158	0.12869	2.52207	35 V
K21E54P	19.0	0.15	K232P	175.584	211.264	27.686	6.218	0.12182	2.26512	34 V
K21E54Q	18.5	0.15	K232P	156.108	49.679	85.432	2.185	0.31674	3.23739	35 V
K21E54R	18.3	0.15	K232P	121.660	184.612	23.924	14.304	0.19985	3.08653	22 V
K21E54S	18.6	0.15	K232P	180.774	341.073	200.782	15.508	0.09756	2.64826	34 V
K21E54T	18.9	0.15	K232P	206.960	88.923	48.309	4.542	0.16974	2.66530	35 V
K21E54U	18.9	0.15	K232P	171.985	19.382	178.583	6.089	0.08355	2.55581	30 V
K21E54V	18.8	0.15	K232P	107.096	283.738	341.105	16.156	0.31970	2.72411	25 V
K21E54W	19.5	0.15	K232P	138.506	354.244	210.233	8.929	0.21483	2.76718	30 V
K21E54X	17.8	0.15	K232P	131.734	308.782	226.549	9.296	0.06385	3.17327	31 V
K21E54Y	18.1	0.15	K232P	140.776	325.798	201.865	16.589	0.07054	3.12823	31 V

K21F54Z	18.4	0.15	K232P	106.733	98.246	176.797	4.259	0.25644	2.55897	31 V
K21F55G	18.5	0.15	K232P	183.204	94.942	43.677	13.223	0.20772	2.66314	30 V
K21F55H	17.7	0.15	K232P	56.670	339.287	300.423	8.808	0.11169	3.11721	31 V
K21F55J	18.6	0.15	K232P	139.573	331.980	241.126	9.273	0.14537	2.74928	30 V
K21F55K	18.8	0.15	K232P	144.830	135.395	90.197	13.109	0.17176	2.56658	29 V
K21F55L	18.8	0.15	K232P	159.815	74.577	114.638	10.316	0.21549	2.71088	19 V
K21F55M	17.0	0.15	K232P	85.943	10.042	227.961	27.156	0.12186	3.22571	28 V
K21F55N	18.6	0.15	K232P	206.429	119.828	3.316	6.052	0.11913	2.71626	26 V
K21F55O	19.4	0.15	K232P	186.881	177.856	8.565	2.143	0.11369	2.39276	26 V
K21F55P	19.6	0.15	K232P	173.765	147.348	64.172	6.553	0.13706	2.31587	26 V
K21F55Q	18.9	0.15	K232P	257.105	106.129	303.705	11.163	0.13539	2.67305	18 V
K21F55R	20.1	0.15	K232P	212.729	347.839	194.238	4.048	0.09083	2.26823	22 V
K21F55S	19.5	0.15	K232P	170.091	210.974	17.088	5.994	0.06517	2.29119	23 V
K21GK2J	17.7	0.15	K232P	124.118	238.194	326.654	1.514	0.01236	2.98211	35 V
K21GK2K	17.6	0.15	K232P	199.931	260.247	200.449	16.357	0.14585	3.16454	35 V
K21GK2L	18.8	0.15	K232P	111.226	250.318	8.396	12.108	0.25875	2.73557	36 V
K21GK2M	17.5	0.15	K232P	67.601	114.138	124.366	16.863	0.06645	3.19071	11 V
K21GK2N	19.2	0.15	K232P	140.586	259.290	2.513	1.752	0.15491	2.36817	33 V
K21GK2O	18.9	0.15	K232P	149.189	324.521	250.826	3.105	0.13767	2.62714	33 V
K21GK2P	19.1	0.15	K232P	156.633	355.650	207.334	10.954	0.17482	2.66117	38 V
K21GK2Q	18.6	0.15	K232P	143.665	215.487	0.936	2.489	0.16571	2.69014	28 V
K21GK2R	17.5	0.15	K232P	136.368	338.699	203.203	17.896	0.06806	3.19171	32 V
K21GK2S	19.7	0.15	K232P	154.351	288.980	307.420	1.662	0.15608	2.39956	32 V
K21GK2T	18.0	0.15	K232P	157.226	29.178	135.626	11.216	0.16230	3.14154	16 V
K21GK2U	18.4	0.15	K232P	85.053	106.841	156.705	6.704	0.13042	2.99638	32 V
K21GK2V	18.3	0.15	K232P	149.117	59.510	149.021	5.356	0.06629	2.72714	32 V
K21GK2W	18.9	0.15	K232P	175.949	117.992	81.940	9.734	0.08620	2.55631	32 V
K21GK2X	18.5	0.15	K232P	159.526	62.562	135.005	4.898	0.00548	2.74258	32 V
K21GK2Y	19.5	0.15	K232P	146.837	206.946	69.834	10.929	0.17222	2.25937	34 V
K21GK2Z	19.0	0.15	K232P	119.103	205.777	43.495	15.633	0.17659	2.70257	32 V
K21GK3A	18.4	0.15	K232P	123.914	66.207	154.023	9.566	0.16383	2.97484	36 V
K21GK3B	18.6	0.15	K232P	205.801	77.801	52.762	13.811	0.17793	2.74653	32 V
K21GK3C	19.4	0.15	K232P	160.032	220.042	27.548	6.541	0.08295	2.28058	28 V
K21GK3D	17.3	0.15	K232P	20.192	283.066	2.867	12.670	0.05595	3.23836	9 V
K21GK3E	19.5	0.15	K232P	180.409	104.953	60.690	13.160	0.26713	2.66431	32 V
K21GK3F	17.6	0.15	K232P	91.819	74.424	150.488	2.152	0.10617	3.22453	31 V
K21GK3G	19.3	0.15	K232P	238.254	307.165	187.302	1.217	0.12385	2.32695	8 V
K21GK3H	18.6	0.15	K232P	238.082	92.829	7.105	5.888	0.09768	2.69540	31 V
K21GK3J	17.9	0.15	K232P	67.401	244.674	24.058	6.355	0.09350	2.98374	31 V
K21GK3K	17.8	0.15	K232P	270.275	36.916	21.904	6.607	0.05411	2.87925	8 V
K21GK3L	17.9	0.15	K232P	107.839	161.249	82.115	15.752	0.10633	2.87622	33 V
K21GK3M	18.5	0.15	K232P	170.972	93.048	84.767	11.259	0.15842	2.74112	35 V
K21GK3N	18.5	0.15	K232P	125.572	149.393	90.232	10.945	0.09423	2.72354	35 V
K21GK3O	17.6	0.15	K232P	120.210	33.282	174.084	17.177	0.05974	3.16425	33 V
K21GK3P	19.3	0.15	K232P	182.034	299.282	278.196	0.883	0.12611	2.37820	40 V
K21GK3Q	19.3	0.15	K232P	193.113	25.838	174.942	1.344	0.13300	2.39992	32 V
K21GK3R	18.5	0.15	K232P	156.931	129.905	81.144	15.758	0.07878	2.64921	53 V
K21GK3S	17.3	0.15	K232P	50.014	76.245	191.947	8.645	0.03795	3.16566	31 V
K21GK3T	19.0	0.15	K232P	153.766	326.590	188.659	5.267	0.24294	3.01200	8 V
K21GK3U	18.8	0.15	K232P	124.051	16.090	243.757	13.096	0.22279	2.57807	33 V
K21GK3V	19.4	0.15	K232P	243.170	227.743	292.631	4.801	0.07083	2.23903	24 V
K21GK3W	20.2	0.15	K232P	171.139	335.742	236.705	9.550	0.22862	2.43846	30 V
K21GK3X	18.7	0.15	K232P	195.652	160.072	348.794	15.306	0.13532	2.68016	33 V
K21GK3Y	20.8	0.15	K232P	164.938	285.642	345.527	8.014	0.36822	2.26861	24 V
K21GK3Z	18.1	0.15	K232P	172.823	147.897	358.709	17.386	0.21163	2.96830	24 V
K21GK4A	18.3	0.15	K232P	169.108	200.917	310.247	4.383	0.17475	3.02422	24 V
K21GK4B	18.9	0.15	K232P	114.632	287.108	336.349	8.497	0.22528	2.69120	33 V
K21GK4C	19.0	0.15	K232P	127.185	359.408	239.648	12.679	0.12434	2.66594	25 V
K21GK4D	18.0	0.15	K232P	77.583	181.585	116.082	17.700	0.23659	3.04669	97 V
K21GK4E	19.7	0.15	K232P	219.556	95.159	103.197	6.872	0.09918	2.23175	34 V
K21GK4F	18.2	0.15	K232P	78.129	119.447	170.502	14.173	0.17853	3.07897	97 V
K21GK4G	20.3	0.15	K232P	166.444	87.842	211.310	22.461	0.11994	1.95923	35 V
K21GK4H	17.5	0.15	K232P	0.462	44.418	286.141	8.107	0.07200	3.17638	11 V
K21GK4J	17.5	0.15	K232P	55.568	329.997	296.147	8.797	0.10229	3.40609	7 V
K21GK4K	18.7	0.15	K232P	172.335	24.156	165.833	8.994	0.12703	2.73275	34 V
K21GK4L	19.4	0.15	K232P	173.107	240.066	285.653	6.294	0.19444	2.74562	7 V
K21GK4M	18.3	0.15	K232P	114.662	1.908	243.624	11.495	0.09430	2.61537	30 V
K21GK4N	19.0	0.15	K232P	138.397	207.877	11.638	3.956	0.22124	2.67443	20 V
K21GK4O	19.3	0.15	K232P	140.529	206.306	50.938	2.116	0.15526	2.38119	33 V
K21GK4P	17.7	0.15	K232P	169.931	20.810	121.108	4.612	0.15809	3.08953	30 V
K21GK4Q	19.6	0.15	K232P	138.137	47.230	188.318	13.313	0.21684	2.63419	30 V
K21GK4R	19.7	0.15	K232P	162.283	155.934	38.778	13.202	0.22452	2.63758	28 V
K21GK4S	18.5	0.15	K232P	140.157	168.640	41.176	11.884	0.10138	2.76153	28 V
K21GK4T	18.4	0.15	K232P	129.085	20.257	168.878	11.187	0.16832	3.15228	30 V
K21GK4U	18.8	0.15	K232P	136.119	56.747	166.978	7.226	0.14605	2.69390	30 V
K21GK4V	19.1	0.15	K232P	109.330	185.947	99.496	4.264	0.22283	2.53509	30 V
K21GK4W	18.9	0.15	K232P	117.512	227.784	23.073	12.799	0.15364	2.65582	28 V
K21GK4X	19.4	0.15	K232P	180.351	324.788	196.391	11.765	0.22994	2.65162	28 V
K21GK4Y	18.1	0.15	K232P	178.844	3.860	135.560	5.686	0.15832	3.00095	28 V
K21GK4Z	17.6	0.15	K232P	58.959	230.626	38.430	13.861	0.05920	3.15893	28 V
K21GK5A	17.6	0.15	K232P	128.304	26.864	164.916	9.641	0.01353	3.17182	30 V
K21GK5B	19.6	0.15	K232P	147.726	192.465	24.015	14.100	0.19244	2.63223	29 V
K21GK5C	18.3	0.15	K232P	237.554	44.985	56.820	5.303	0.03515	2.78936	28 V
K21GK5D	18.8	0.15	K232P	187.026	44.698	116.865	3.420	0.14127	2.64186	28 V
K21GK5E	18.2	0.15	K232P	130.831	86.761	101.829	2.597	0.10947	3.10173	28 V
K21GK5F	19.6	0.15	K232P	140.828	152.086	107.959	2.671	0.16673	2.36632	28 V
K21GK5G	19.3	0.15	K232P	167.347	152.484	70.763	2.636	0.15229	2.43135	31 V
K21GK5H	18.4	0.15	K232P	109.860	165.233	70.397	5.629	0.10872	3.02152	28 V
K21GK5J	18.8	0.15	K232P	141.366	324.557	206.477	29.389	0.27366	3.15809	28 V
K21GK5K	18.8	0.15	K232P	132.387	121.376	115.070	4.347	0.13876	2.73771	33 V
K21GK5L	20.3	0.15	K232P	197.816	125.818	82.909	4.427	0.17904	2.26778	28 V
K21GK5M	20.3	0.15	K232P	226.954	5.126	174.307	3.324	0.12746	2.21958	28 V
K21GK5N	19.5	0.15	K232P	164.314	76.085	155.099	1.771	0.13812	2.39932	24 V

K21GK50	19.7	0.15	K232P	231.234	65.956	91.017	3.070	0.15275	2.32347	28 V
K21GK5P	18.8	0.15	K232P	204.487	280.322	219.464	7.441	0.21537	2.64339	21 V
K21GK5Q	19.9	0.15	K232P	155.222	72.018	188.012	3.790	0.22166	2.33445	28 V
K21GK5R	18.1	0.15	K232P	84.613	239.743	41.841	10.075	0.21238	3.02141	59 V
K21GK5S	19.3	0.15	K232P	140.138	221.573	42.797	7.666	0.07872	2.39230	30 V
K21GK5T	18.8	0.15	K232P	119.751	206.656	47.009	4.169	0.09903	2.72365	36 V
K21GK5U	20.2	0.15	K232P	191.893	34.266	170.236	2.734	0.12869	2.32070	28 V
K21GK5V	18.1	0.15	K232P	164.307	135.386	38.231	9.971	0.09854	3.02493	30 V
K21GK5W	19.6	0.15	K232P	161.964	217.537	45.385	5.265	0.16160	2.25770	35 V
K21GK5X	17.2	0.15	K232P	129.535	156.246	34.911	15.508	0.03290	3.34726	31 V
K21GK5Y	20.1	0.15	K232P	157.583	142.077	109.954	2.234	0.14944	2.35549	29 V
K21GK5Z	17.7	0.15	K232P	143.564	142.558	43.018	5.038	0.06357	3.12740	31 V
K21GK6A	19.7	0.15	K232P	163.986	19.446	198.496	5.181	0.18887	2.54530	29 V
K21GK6B	19.0	0.15	K232P	132.235	169.895	48.920	5.408	0.15166	2.75914	28 V
K21GK6C	18.3	0.15	K232P	322.886	210.211	179.419	6.522	0.03620	2.71223	28 V
K21GK6D	20.1	0.15	K232P	180.323	66.965	171.809	4.432	0.13152	2.19279	28 V
K21GK6E	18.3	0.15	K232P	75.884	102.886	169.671	8.636	0.13056	3.00079	30 V
K21GK6F	19.6	0.15	K232P	215.712	17.172	148.991	2.572	0.12097	2.33383	28 V
K21GK6G	19.6	0.15	K232P	152.062	149.839	78.490	2.434	0.14095	2.46490	28 V
K21GK6H	20.1	0.15	K232P	173.709	180.349	71.097	1.048	0.10720	2.13349	28 V
K21GK6J	17.8	0.15	K232P	116.890	43.598	160.354	8.098	0.12556	3.18498	30 V
K21GK6K	18.3	0.15	K232P	146.482	9.258	171.814	6.024	0.07702	3.00080	28 V
K21GK6L	18.5	0.15	K232P	131.321	52.965	160.024	4.248	0.03680	2.78324	28 V
K21GK6M	19.4	0.15	K232P	134.789	171.222	60.527	4.147	0.12392	2.61624	28 V
K21GK6N	20.0	0.15	K232P	185.484	53.102	152.802	2.511	0.15491	2.35066	8 V
K21GK6O	18.2	0.15	K232P	87.614	170.564	85.813	2.374	0.18824	3.01132	28 V
K21GK6P	19.7	0.15	K232P	209.392	128.746	38.471	1.972	0.11726	2.38514	28 V
K21GK6Q	19.5	0.15	K232P	143.647	207.411	18.114	9.950	0.15045	2.57435	28 V
K21GK6R	17.9	0.15	K232P	83.233	213.456	30.523	1.250	0.07266	3.13224	28 V
K21GK6S	18.6	0.15	K232P	119.081	154.126	84.610	2.321	0.07255	2.67521	28 V
K21GK6T	18.2	0.15	K232P	101.398	36.263	188.584	8.947	0.11133	3.18468	28 V
K21GK6U	18.8	0.15	K232P	125.969	183.997	41.862	10.073	0.06893	2.78720	28 V
K21GK6V	19.0	0.15	K232P	121.402	15.944	208.107	33.302	0.28901	3.16798	38 V
K21GK6W	18.4	0.15	K232P	154.374	117.620	61.780	2.688	0.17071	2.99868	31 V
K21GK6X	19.6	0.15	K232P	192.359	170.572	51.178	2.030	0.13648	2.27729	39 V
K21GK6Y	19.7	0.15	K232P	141.306	97.588	157.455	4.532	0.12246	2.40011	28 V
K21GK6Z	19.5	0.15	K232P	140.188	142.011	118.653	2.456	0.16721	2.39830	28 V
K21GK7A	19.3	0.15	K232P	152.048	177.256	25.747	13.258	0.11523	2.66455	28 V
K21GK7B	18.8	0.15	K232P	115.808	184.953	55.025	5.436	0.03458	2.71010	28 V
K21GK7C	18.3	0.15	K232P	185.229	309.794	184.882	6.287	0.09832	3.02900	28 V
K21GK7D	18.4	0.15	K232P	140.368	49.562	146.264	2.710	0.09117	3.02842	28 V
K21GK7E	17.9	0.15	K232P	172.302	329.201	188.144	9.445	0.03983	3.16529	33 V
K21GK7F	18.9	0.15	K232P	122.988	172.190	92.177	3.289	0.07995	2.56372	29 V
K21GK7G	18.3	0.15	K232P	63.849	225.526	75.844	4.603	0.08034	2.78933	28 V
K21GK7H	18.9	0.15	K232P	126.179	152.165	57.544	7.404	0.11231	3.13349	31 V
K21GK7J	18.6	0.15	K232P	66.481	227.940	62.632	2.883	0.02692	2.86160	31 V
K21GK7K	18.7	0.15	K232P	115.499	140.158	94.800	2.101	0.15053	3.00233	29 V
K21GK7L	19.0	0.15	K232P	55.994	158.245	168.006	2.415	0.08078	2.63931	31 V
K21GK7M	18.6	0.15	K232P	148.909	273.928	288.326	10.114	0.24843	2.64246	30 V
K21GK7N	18.3	0.15	K232P	146.670	316.010	254.851	7.291	0.11040	2.75618	32 V
K21GK7O	19.4	0.15	K232P	193.854	333.216	224.985	0.784	0.13006	2.39621	34 V
K21GK7P	19.1	0.15	K232P	183.001	202.929	12.095	1.656	0.13901	2.37674	32 V
K21GK7Q	20.6	0.15	K232P	284.429	140.949	48.773	23.665	0.05744	1.88748	29 V
K21GK7R	18.7	0.15	K232P	217.668	101.353	44.724	12.271	0.14342	2.59846	34 V
K21GK7S	18.8	0.15	K232P	174.377	305.546	236.737	4.019	0.15821	2.72758	34 V
K21GK7T	18.6	0.15	K232P	128.748	169.790	64.002	9.402	0.14398	2.71429	24 V
K21GK7U	18.5	0.15	K232P	101.003	89.333	167.560	4.504	0.05901	2.76426	24 V
K21GK7V	18.1	0.15	K232P	201.186	333.787	126.374	3.234	0.27252	3.07181	24 V
K21GK7W	19.9	0.15	K232P	225.121	9.231	151.249	3.169	0.10923	2.33323	24 V
K21GK7X	19.2	0.15	K232P	111.012	89.594	180.771	5.182	0.16750	2.61562	24 V
K21GK7Y	19.9	0.15	K232P	176.126	169.057	79.920	5.592	0.15420	2.18110	24 V
K21GK7Z	19.3	0.15	K232P	136.165	146.333	78.162	3.623	0.15897	2.71520	24 V
K21GK8A	19.4	0.15	K232P	115.826	269.029	318.736	12.173	0.11903	2.59668	9 V
K21GK8B	17.7	0.15	K232P	98.858	142.538	82.378	10.231	0.09507	3.12267	32 V
K21GK8C	18.9	0.15	K232P	159.577	162.185	198.932	31.883	0.13848	2.55422	30 V
K21GK8D	16.7	0.15	K232P	183.512	224.656	258.982	10.285	0.06214	3.16507	29 V
K21GK8E	19.1	0.15	K232P	269.259	104.895	338.242	14.649	0.07367	2.56722	21 V
K21GK8F	18.5	0.15	K232P	63.991	115.985	183.980	10.070	0.03789	2.76274	28 V
K21GK8G	19.7	0.15	K232P	148.397	83.379	140.746	4.952	0.19362	2.64669	27 V
K21GK8H	19.1	0.15	K232P	102.416	102.161	204.364	11.964	0.27126	2.67887	30 V
K21GK8J	18.9	0.15	K232P	140.844	55.620	169.736	14.245	0.16826	2.68055	26 V
K21GK8K	18.8	0.15	K232P	213.285	49.779	90.758	7.770	0.14415	2.57709	26 V
K21GK8L	18.2	0.15	K232P	208.316	20.473	124.239	9.861	0.09492	2.65213	26 V
K21GK8M	19.0	0.15	K232P	101.916	140.564	135.410	9.354	0.09887	2.59841	26 V
K21GK8N	17.9	0.15	K232P	104.462	171.841	74.976	20.902	0.12880	3.03522	29 V
K21GK8O	17.9	0.15	K232P	177.234	87.298	71.359	19.691	0.08020	3.01513	29 V
K21GK8P	19.3	0.15	K232P	125.880	42.943	221.556	12.637	0.27288	2.61836	26 V
K21GK8Q	18.3	0.15	K232P	103.570	134.877	105.232	6.383	0.15933	3.07579	28 V
K21GK8R	19.5	0.15	K232P	152.710	123.028	123.406	4.421	0.13368	2.39827	28 V
K21GK8S	18.7	0.15	K232P	184.121	101.399	79.715	3.744	0.08725	2.60169	23 V
K21GK8T	18.8	0.15	K232P	153.132	123.769	82.452	5.384	0.03784	2.69977	23 V
K21GK8U	18.4	0.15	K232P	78.443	219.657	59.461	4.918	0.03956	2.79068	12 V
K21GK8V	18.7	0.15	K232P	96.760	218.081	65.390	8.872	0.21229	2.76847	28 V
K21GK8W	18.8	0.15	K232P	156.665	133.633	66.767	8.747	0.16474	2.71415	28 V
K21GK8X	20.0	0.15	K232P	134.434	161.122	132.395	2.749	0.22920	2.29471	23 V
K21GK8Y	17.9	0.15	K232P	104.260	148.250	89.909	10.702	0.03403	3.11070	28 V
K21GK8Z	18.6	0.15	K232P	198.362	62.944	92.750	7.459	0.10162	2.75361	28 V
K21GK9A	18.3	0.15	K232P	92.084	86.750	179.231	13.188	0.25098	3.20555	25 V
K21GK9B	19.5	0.15	K232P	274.325	37.689	88.229	6.547	0.06209	2.26601	23 V
K21GK9C	18.1	0.15	K232P	63.464	201.061	70.308	9.858	0.09530	3.18888	23 V
K21GK9D	18.0	0.15	K232P	81.894	203.232	66.008	7.825	0.15558	3.06075	28 V
K21GK9E	19.0	0.15	K232P	238.237	341.605	122.286	6.209	0.23224	2.57106	3 V
K21GK9F	19.1	0.15	K232P	96.118	221.351	66.227	9.379	0.20595	2.70579	23 V

K21GK9G	19.3	0.15	K232P	123.242	222.982	71.117	5.730	0.20770	2.35560	29 V
K21GK9H	18.5	0.15	K232P	124.091	56.867	154.314	5.968	0.10430	3.09269	23 V
K21GK9J	18.1	0.15	K232P	122.784	40.744	166.662	9.332	0.11641	3.00765	25 V
K21L05R	22.0	0.15	K232P	271.436	304.144	81.101	54.553	0.77507	1.61359	8 B
K21P00O	19.3	0.15	K232P	197.363	145.267	309.444	8.967	0.83600	1.81299	66 B
K21P02F	24.3	0.15	K232P	246.710	160.085	207.874	2.793	0.35345	1.61430	122 B
K21S78P	19.1	0.15	K232P	47.788	263.639	203.601	6.187	0.08231	2.46094	11 V
K21V85O	18.2	0.15	K232P	116.050	323.713	52.395	1.691	0.09433	2.96283	8 V
K22B60C	19.8	0.15	K232P	162.411	189.976	297.336	19.397	0.08617	1.90661	15 V
K22B60D	19.5	0.15	K232P	112.233	111.213	6.656	1.380	0.14945	2.40467	14 V
K22B60E	18.0	0.15	K232P	137.824	298.744	125.249	5.091	0.08392	2.75493	13 V
K22B60F	20.2	0.15	K232P	101.369	88.565	56.491	1.267	0.15590	2.23936	10 V
K22D26F	27.2	0.15	K232P	292.145	184.518	158.726	9.928	0.22116	0.82199	4 V
K22D26G	19.5	0.15	K232P	82.788	83.991	78.499	7.348	0.26246	2.58397	7 V
K22G06U	23.0	0.15	K232P	72.262	177.645	85.348	5.821	0.55996	2.30226	131 X
K22J10F	19.1	0.15	K232P	40.198	48.972	225.211	15.004	0.24854	2.65364	23 V
K22K31K	19.8	0.15	K232P	69.699	27.148	211.733	2.852	0.18930	2.43629	12 V
K22K31L	16.9	0.15	K232P	320.323	24.715	310.833	2.680	0.11868	3.08923	14 V
K22L18N	19.1	0.15	K232P	30.913	47.190	256.877	11.303	0.26738	2.54244	15 V
K22L18O	19.2	0.15	K232P	62.941	12.576	250.199	34.500	0.19686	2.43147	20 V
K22O72S	19.9	0.15	K232P	50.606	203.017	108.297	3.940	0.19648	2.37857	8 V
K22O72T	18.8	0.15	K232P	44.366	237.700	80.824	6.077	0.21277	2.62560	31 V
K22O72U	19.3	0.15	K232P	26.596	35.031	312.725	4.057	0.24937	2.47134	11 V
K22O72V	17.4	0.15	K232P	348.160	276.873	111.159	16.583	0.33613	3.09837	40 V
K22O72W	17.2	0.15	K232P	336.132	305.663	92.633	12.281	0.16383	3.01804	39 V
K22O72X	20.7	0.15	K232P	57.087	190.391	128.569	6.835	0.23972	2.30200	39 V
K22O72Y	18.0	0.15	K232P	25.183	23.373	315.293	7.839	0.21493	3.06868	36 V
K22O72Z	17.9	0.15	K232P	42.538	185.543	116.148	16.683	0.24517	3.17075	35 V
K22O73A	19.9	0.15	K232P	81.650	301.467	342.144	4.698	0.18164	2.22493	38 V
K22O73B	18.9	0.15	K232P	31.128	240.572	97.401	4.564	0.20257	2.72993	38 V
K22O73C	19.0	0.15	K232P	98.904	196.189	64.949	2.103	0.14361	2.38319	38 V
K22O73D	19.1	0.15	K232P	30.856	187.960	154.929	15.076	0.32126	2.80573	34 V
K22O73E	17.7	0.15	K232P	351.830	88.538	278.144	7.766	0.08177	3.00990	25 V
K22P40F	17.6	0.15	K232P	302.817	287.356	136.055	11.680	0.08729	2.90732	39 V
K22QP5W	20.2	0.15	K232P	32.547	206.404	153.700	6.893	0.20921	2.31285	15 V
K22QP5X	18.3	0.15	K232P	354.212	289.582	103.520	2.515	0.07817	2.97678	10 V
K22QP5Y	19.3	0.15	K232P	39.644	328.517	8.636	6.408	0.19432	3.06445	29 V
K22QP5Z	19.3	0.15	K232P	20.130	30.042	322.650	9.679	0.24495	3.14152	13 V
K22QP6A	18.1	0.15	K232P	48.664	59.846	261.230	17.036	0.07316	3.13787	14 V
K22QP6B	20.3	0.15	K232P	44.202	183.553	159.577	15.172	0.28490	2.55517	9 V
K22QP6C	19.5	0.15	K232P	70.906	313.786	348.149	7.321	0.21189	2.63188	9 V
K22QP6D	20.6	0.15	K232P	45.753	0.647	345.628	13.636	0.22080	2.44328	4 V
K22QP6E	19.0	0.15	K232P	31.095	197.343	159.625	13.744	0.11916	2.70128	7 V
K22QP6F	17.7	0.15	K232P	168.956	221.803	348.533	17.787	0.02466	3.01549	26 V
K22QP6G	18.8	0.15	K232P	98.069	284.075	349.889	2.095	0.13547	2.58750	27 V
K22QP6H	18.5	0.15	K232P	321.549	276.589	151.817	8.078	0.05996	2.89536	11 V
K22QP6J	19.4	0.15	K232P	16.729	189.117	187.628	10.630	0.24862	2.73230	23 V
K22QP6K	19.6	0.15	K232P	23.138	43.990	323.161	1.997	0.19136	2.37969	12 V
K22QP6L	19.2	0.15	K232P	40.037	207.791	134.936	14.990	0.26688	2.62014	13 V
K22QP6M	19.4	0.15	K232P	13.043	232.087	150.979	1.608	0.22365	2.41483	12 V
K22QP6N	19.7	0.15	K232P	24.125	80.947	285.558	4.206	0.28475	2.58214	29 V
K22QP6O	19.0	0.15	K232P	61.244	146.352	152.910	6.982	0.26966	2.71545	34 V
K22QP6P	18.7	0.15	K232P	98.327	111.669	163.132	14.485	0.13860	2.45200	14 V
K22QP6Q	17.9	0.15	K232P	354.130	69.026	323.051	5.513	0.09151	2.80137	38 V
K22QP6R	19.4	0.15	K232P	71.792	174.759	132.551	5.095	0.17461	2.53538	7 V
K22QP6S	19.5	0.15	K232P	95.486	294.622	356.586	7.568	0.11625	2.30390	23 V
K22QP6T	19.0	0.15	K232P	40.551	352.649	343.877	6.180	0.22523	2.89047	7 V
K22QP6U	20.8	0.15	K232P	34.472	347.219	22.007	1.615	0.18392	2.25379	7 V
K22QP6V	18.5	0.15	K232P	20.304	182.414	164.785	18.840	0.21042	3.15773	12 V
K22QP6W	19.2	0.15	K232P	77.659	104.607	157.587	26.450	0.30888	2.75481	12 V
K22QP6X	20.5	0.15	K232P	48.493	141.149	187.152	5.509	0.26278	2.40479	12 V
K22QP6Y	17.6	0.15	K232P	46.217	30.071	275.907	13.435	0.11953	3.17955	11 V
K22QP6Z	20.5	0.15	K232P	43.932	205.913	146.649	10.881	0.26733	2.32561	22 V
K22QP7A	18.6	0.15	K232P	60.373	15.604	319.781	4.098	0.09803	2.66876	23 V
K22QP7B	19.1	0.15	K232P	31.103	139.997	222.004	5.906	0.25098	2.97745	32 V
K22QP7C	18.0	0.15	K232P	352.499	326.262	54.939	2.817	0.10971	2.90242	16 V
K22QP7D	19.3	0.15	K232P	13.347	150.035	230.798	7.192	0.25276	2.68496	9 V
K22QP7E	18.9	0.15	K232P	3.884	107.871	284.281	11.697	0.21563	2.58635	29 V
K22QP7F	17.4	0.15	K232P	329.559	112.165	288.430	7.754	0.09073	3.15994	23 V
K22QP7G	18.2	0.15	K232P	340.077	96.497	309.292	17.254	0.20445	3.01265	23 V
K22QP7H	19.1	0.15	K232P	41.796	205.122	129.721	4.982	0.25713	2.58526	24 V
K22QP7J	17.6	0.15	K232P	328.419	271.840	157.025	23.183	0.22081	3.17081	25 V
K22QP7K	18.5	0.15	K232P	352.007	248.167	157.406	7.980	0.22912	2.74479	25 V
K22QP7L	18.7	0.15	K232P	31.900	40.696	301.699	3.310	0.08146	2.76684	23 V
K22QP7M	17.6	0.15	K232P	63.609	271.710	53.366	12.861	0.04041	2.87059	30 V
K22QP7N	18.6	0.15	K232P	57.515	243.881	79.196	9.199	0.19650	2.72208	22 V
K22QP7O	19.6	0.15	K232P	40.479	104.647	221.442	14.756	0.36180	3.05951	25 V
K22QP7P	18.9	0.15	K232P	25.592	175.494	178.824	2.973	0.12072	2.53265	12 V
K22QP7Q	20.3	0.15	K232P	40.833	286.882	47.172	4.675	0.36794	2.68995	11 V
K22R86P	19.9	0.15	K232P	49.751	193.442	142.045	0.659	0.18127	2.48035	21 V
K22R86Q	20.4	0.15	K232P	66.520	18.434	329.217	21.154	0.08027	1.92907	22 V
K22R86R	18.0	0.15	K232P	13.977	112.115	249.187	19.057	0.14932	3.08474	24 V
K22R86S	17.2	0.15	K232P	320.267	101.273	335.228	25.458	0.21043	3.19671	25 V
K22R86T	21.1	0.15	K232P	70.688	208.882	104.232	8.483	0.34335	2.12618	21 V
K22R86V	19.3	0.15	K232P	58.102	337.829	336.321	19.163	0.30760	2.71550	30 V
K22SS1F	18.1	0.15	K232P	4.045	262.961	156.899	21.572	0.08179	2.55178	33 V
K22SS1G	18.8	0.15	K232P	22.785	167.446	215.493	11.059	0.10925	2.68045	19 V
K22SS1H	19.2	0.15	K232P	65.141	334.450	352.308	13.164	0.24957	2.61219	21 V
K22SS1J	19.6	0.15	K232P	80.585	334.870	345.924	0.201	0.20585	2.30431	22 V
K22SS1K	19.2	0.15	K232P	55.319	268.583	80.361	3.738	0.18299	2.68235	26 V
K22SS1L	18.3	0.15	K232P	83.510	190.953	128.182	3.691	0.07922	2.72959	26 V
K22SS1M	18.4	0.15	K232P	31.902	248.300	119.240	3.053	0.14091	2.93394	26 V
K22SS1N	18.1	0.15	K232P	34.916	191.723	169.227	9.172	0.13422	3.07475	26 V

K22SS10	20.1	0.15	K232P	41.441	213.961	160.034	4.788	0.17108	2.33355	35 V
K22SS1P	19.8	0.15	K232P	68.260	172.760	155.790	3.614	0.21043	2.36868	23 V
K22SS1Q	18.9	0.15	K232P	355.162	278.676	150.342	2.817	0.19530	2.62583	23 V
K22SS1R	17.2	0.15	K232P	300.977	180.813	279.193	12.711	0.06743	3.12317	20 V
K22SS1S	18.6	0.15	K232P	58.417	98.449	238.966	3.088	0.07112	2.62848	22 V
K22SS1T	19.8	0.15	K232P	53.075	266.737	76.290	1.508	0.18419	2.54754	22 V
K22SS1U	19.2	0.15	K232P	122.110	324.864	299.353	2.795	0.16232	2.32079	22 V
K22SS1V	19.4	0.15	K232P	70.297	124.103	184.405	12.126	0.27628	2.60807	22 V
K22SS1W	19.9	0.15	K232P	25.315	82.513	310.550	0.886	0.19559	2.29493	22 V
K22SS1X	19.5	0.15	K232P	358.175	271.044	158.313	2.311	0.28276	2.62751	22 V
K22SS1Y	20.1	0.15	K232P	24.958	225.487	167.316	2.645	0.19959	2.36081	22 V
K22SS1Z	20.1	0.15	K232P	39.046	223.652	145.482	1.933	0.20217	2.38970	22 V
K22SS2A	20.2	0.15	K232P	49.603	190.876	164.104	2.782	0.21109	2.32579	22 V
K22SS2B	19.6	0.15	K232P	79.112	26.445	300.860	7.752	0.21308	2.29685	32 V
K22SS2C	17.9	0.15	K232P	61.600	12.676	332.621	10.483	0.14287	2.94309	32 V
K22SS2D	17.0	0.15	K232P	310.131	304.070	164.925	18.075	0.17626	3.23078	20 V
K22SS2E	18.4	0.15	K232P	76.524	240.021	83.984	5.990	0.09435	2.60425	26 V
K22SS2F	18.8	0.15	K232P	43.937	264.841	89.967	9.150	0.21312	2.79970	26 V
K22SS2G	17.8	0.15	K232P	40.266	305.166	56.405	10.200	0.06928	2.99895	38 V
K22SS2H	19.6	0.15	K232P	65.138	174.745	178.638	6.877	0.31377	2.22357	30 V
K22SS2J	20.1	0.15	K232P	40.124	73.114	295.712	9.988	0.31974	2.64489	20 V
K22SS2K	18.1	0.15	K232P	35.830	98.395	281.171	14.539	0.07091	2.90895	20 V
K22SS2L	19.8	0.15	K232P	71.591	15.533	329.687	7.853	0.13026	2.42751	29 V
K22SS2M	18.5	0.15	K232P	16.003	278.981	112.414	13.782	0.21099	2.76572	26 V
K22SS2N	20.5	0.15	K232P	27.748	19.481	12.506	2.985	0.18627	2.21859	8 V
K22SS2O	18.7	0.15	K232P	47.077	64.079	303.088	14.341	0.16011	2.55323	22 V
K22SS2P	19.4	0.15	K232P	70.481	49.724	284.485	13.953	0.19836	2.41198	33 V
K22SS2Q	17.2	0.15	K232P	313.877	253.548	186.755	9.168	0.00630	3.21523	8 V
K22SS2R	19.6	0.15	K232P	54.000	188.295	147.039	5.849	0.28174	2.59890	25 V
K22SS2S	19.7	0.15	K232P	19.329	274.963	125.498	4.858	0.14857	2.31258	25 V
K22SS2T	17.9	0.15	K232P	30.802	323.873	42.300	14.802	0.07990	3.13324	25 V
K22SS2U	19.2	0.15	K232P	28.406	244.760	134.518	5.804	0.17752	2.73131	31 V
K22SS2V	19.0	0.15	K232P	44.240	323.966	46.170	17.407	0.15394	2.53485	40 V
K22SS2W	19.2	0.15	K232P	52.961	212.174	137.841	5.870	0.22082	2.63115	40 V
K22SS2Y	17.8	0.15	K232P	75.223	148.452	185.928	15.801	0.09346	3.06334	13 V
K22SS2Z	18.7	0.15	K232P	328.828	50.084	48.493	17.366	0.10935	2.55630	36 V
K22SS3A	19.7	0.15	K232P	65.156	208.782	123.382	9.658	0.22737	2.54610	21 V
K22SS3B	18.8	0.15	K232P	66.216	168.114	177.325	14.431	0.07125	2.51489	18 V
K22SS3C	17.4	0.15	K232P	315.595	103.296	346.717	17.283	0.14201	3.11354	22 V
K22SS3D	19.1	0.15	K232P	6.929	224.723	174.296	23.804	0.18831	2.68066	8 V
K22SS3E	19.0	0.15	K232P	33.531	21.801	351.143	2.343	0.09261	2.52895	14 V
K22SS3F	19.5	0.15	K232P	37.283	293.321	79.336	6.015	0.13866	2.39030	30 V
K22SS3G	18.4	0.15	K232P	80.806	211.771	85.935	15.578	0.24990	2.65264	29 V
K22SS3H	19.2	0.15	K232P	22.471	154.511	228.878	10.214	0.19143	2.73284	22 V
K22SS3J	18.4	0.15	K232P	353.231	126.124	298.365	10.387	0.16298	2.72842	21 V
K22SS3K	18.3	0.15	K232P	354.857	79.682	335.314	21.745	0.09224	2.61979	26 V
K22SS3L	18.6	0.15	K232P	30.206	29.957	339.434	8.753	0.14743	2.84141	24 V
K22SS3M	20.5	0.15	K232P	60.927	131.967	211.139	4.459	0.21522	2.19352	10 V
K22SS3N	19.7	0.15	K232P	60.939	343.126	2.009	25.063	0.15210	2.27424	10 V
K22SS3O	17.5	0.15	K232P	55.711	32.966	297.318	7.978	0.09036	3.22032	26 V
K22SS3P	18.9	0.15	K232P	71.109	63.377	258.082	3.002	0.12763	2.69803	10 V
K22SS3Q	19.1	0.15	K232P	70.192	104.123	213.884	12.149	0.18485	2.74640	24 V
K22SS3R	18.7	0.15	K232P	9.216	297.645	113.100	13.776	0.23816	2.56951	19 V
K22SS3S	18.3	0.15	K232P	96.895	25.928	272.852	10.811	0.16355	2.59589	19 V
K22SS3T	18.1	0.15	K232P	10.002	68.301	335.494	15.344	0.14565	3.02361	32 V
K22SS3U	18.3	0.15	K232P	3.513	327.649	77.907	15.387	0.19788	2.72613	25 V
K22SS3V	18.9	0.15	K232P	67.421	345.364	332.901	14.608	0.23941	3.07797	23 V
K22SS3W	18.5	0.15	K232P	43.967	311.863	51.784	9.746	0.10379	3.17103	34 V
K22SS3X	18.3	0.15	K232P	73.027	297.223	354.138	12.331	0.23642	3.00843	11 V
K22SS3Y	20.0	0.15	K232P	56.131	155.285	182.085	2.104	0.22601	2.36064	12 V
K22SS3Z	18.8	0.15	K232P	13.419	355.985	46.578	10.963	0.20176	2.73673	25 V
K22SS4A	19.9	0.15	K232P	52.414	104.992	230.576	8.763	0.25417	2.28050	10 V
K22T41P	18.8	0.15	K232P	67.954	116.464	197.104	20.472	0.25520	3.06193	60 V
K22T41Q	17.7	0.15	K232P	39.222	30.672	321.413	8.193	0.09705	3.16834	31 V
K22T41R	18.0	0.15	K232P	337.700	233.649	210.611	13.516	0.25680	3.18127	24 V
K22T41S	17.7	0.15	K232P	273.764	267.593	221.792	10.416	0.05952	3.08513	24 V
K22T41T	20.0	0.15	K232P	61.052	311.867	41.469	5.214	0.21539	2.30017	28 V
K22T41U	18.5	0.15	K232P	45.639	353.369	18.813	6.026	0.03886	2.70497	22 V
K22T41V	18.3	0.15	K232P	82.644	297.004	26.011	4.440	0.09929	2.72072	18 V
K22T41W	17.9	0.15	K232P	122.604	234.331	47.591	4.904	0.13157	2.70609	20 V
K22T41X	19.1	0.15	K232P	58.086	149.628	196.364	10.698	0.21626	2.72074	30 V
K22T41Y	19.1	0.15	K232P	48.168	342.831	27.755	7.294	0.12169	2.36705	30 V
K22T41Z	17.1	0.15	K232P	21.398	199.868	167.511	3.101	0.19715	3.99701	19 V
K22T42A	19.9	0.15	K232P	50.799	273.282	86.285	5.387	0.19883	2.35215	28 V
K22T42B	19.0	0.15	K232P	25.523	279.963	96.950	3.460	0.20941	3.06925	31 V
K22T42C	21.1	0.15	K232P	43.685	326.352	49.563	6.945	0.22286	2.21302	28 V
K22T42D	20.5	0.15	K232P	51.626	270.573	98.111	4.138	0.14073	2.14937	15 V
K22T42E	17.7	0.15	K232P	85.150	232.558	81.546	8.151	0.07272	2.95882	23 V
K22T42F	19.2	0.15	K232P	63.944	268.533	60.238	5.726	0.23870	2.59831	22 V
K22T42G	19.6	0.15	K232P	108.834	130.290	167.597	6.124	0.13889	2.20593	48 V
K22T42H	19.7	0.15	K232P	63.585	167.676	169.861	4.824	0.21337	2.39741	22 V
K22T42J	18.3	0.15	K232P	308.687	81.156	32.822	4.586	0.13772	2.60994	19 V
K22T42K	18.2	0.15	K232P	79.002	245.597	65.067	10.582	0.17956	3.04525	31 V
K22T42L	18.1	0.15	K232P	42.442	298.253	66.319	5.482	0.08537	2.76855	28 V
K22T42M	19.7	0.15	K232P	42.893	208.334	168.874	3.201	0.07631	2.23178	30 V
K22T42N	18.5	0.15	K232P	36.005	251.441	116.717	12.470	0.22496	2.93225	23 V
K22T42O	18.2	0.15	K232P	356.636	277.635	155.173	13.880	0.17118	3.00960	23 V
K22T42P	18.7	0.15	K232P	6.709	286.460	127.842	10.076	0.11813	2.61160	23 V
K22T42Q	18.4	0.15	K232P	15.950	314.296	86.747	9.706	0.13458	2.69437	23 V
K22T42R	19.2	0.15	K232P	30.128	177.407	187.747	15.103	0.26855	3.09736	19 V
K22T42S	18.8	0.15	K232P	70.502	230.522	94.238	3.442	0.14697	2.62304	22 V
K22T42T	20.4	0.15	K232P	78.057	298.642	23.888	5.062	0.19229	2.17896	19 V
K22T42U	18.5	0.15	K232P	22.296	324.313	63.658	6.005	0.12347	2.91704	28 V

K22T42V	18.3	0.15	K232P	320.839	41.019	46.551	10.617	0.05337	3.08495	31 V
K22T42W	21.1	0.15	K232P	25.955	329.506	71.217	4.174	0.19474	2.22632	31 V
K22T42X	19.3	0.15	K232P	255.502	35.948	121.595	3.597	0.00799	2.54599	31 V
K22T42Y	18.5	0.15	K232P	63.221	185.889	167.449	4.795	0.07644	2.60760	30 V
K22T42Z	19.4	0.15	K232P	26.130	129.647	240.910	15.791	0.36976	3.11347	15 V
K22T43A	17.5	0.15	K232P	11.355	140.678	253.574	19.619	0.14816	3.16710	27 V
K22T43B	19.9	0.15	K232P	73.046	111.796	217.902	1.532	0.22233	2.33347	29 V
K22T43C	18.6	0.15	K232P	37.908	181.796	173.415	7.178	0.20108	2.97729	21 V
K22T43D	19.4	0.15	K232P	351.213	181.021	261.034	1.905	0.17069	2.27767	21 V
K22T43E	19.6	0.15	K232P	56.039	127.933	214.353	3.310	0.23930	2.54169	17 V
K22T43F	19.3	0.15	K232P	24.704	26.945	354.933	6.132	0.22992	2.90351	21 V
K22T43G	17.7	0.15	K232P	104.355	287.875	13.442	1.954	0.04342	2.86052	29 V
K22T43H	19.5	0.15	K232P	98.124	84.946	227.867	3.277	0.10767	2.36879	24 V
K22T43J	19.4	0.15	K232P	31.367	17.489	7.839	9.291	0.17073	2.57836	29 V
K22T43K	18.1	0.15	K232P	61.651	340.312	349.450	3.660	0.12705	3.09190	18 V
K22T43L	18.6	0.15	K232P	349.108	215.760	211.311	3.335	0.07223	2.62301	21 V
K22T43M	18.9	0.15	K232P	28.996	27.350	359.610	3.357	0.02432	2.44473	17 V
K22T43N	19.1	0.15	K232P	18.885	19.540	21.847	1.690	0.12313	2.60069	29 V
K22T43O	19.3	0.15	K232P	43.620	161.128	198.222	5.808	0.19046	2.69280	21 V
K22T43P	18.1	0.15	K232P	352.398	224.418	205.106	4.300	0.10102	2.70157	17 V
K22T43Q	17.6	0.15	K232P	97.511	331.014	315.097	5.951	0.13173	2.97753	21 V
K22T43R	19.0	0.15	K232P	37.132	88.712	302.328	4.244	0.14177	2.42050	29 V
K22T43S	20.4	0.15	K232P	45.590	27.431	2.730	20.920	0.08852	1.89201	29 V
K22T43T	20.3	0.15	K232P	76.062	296.885	48.756	21.895	0.10433	1.93442	22 V
K22T43U	18.7	0.15	K232P	320.136	104.154	354.609	8.601	0.03570	2.60022	17 V
K22T43V	18.7	0.15	K232P	59.480	345.332	355.535	3.980	0.11480	2.76346	21 V
K22T43W	19.5	0.15	K232P	8.881	209.507	212.047	4.185	0.11358	2.27222	29 V
K22T43X	20.3	0.15	K232P	34.761	13.377	15.936	1.372	0.19918	2.29385	29 V
K22T43Y	18.7	0.15	K232P	38.936	31.607	336.339	1.696	0.13836	3.05711	24 V
K22T43Z	18.8	0.15	K232P	25.111	19.978	11.111	3.635	0.10029	2.72860	29 V
K22T44A	20.1	0.15	K232P	45.677	282.703	75.310	6.531	0.34626	2.61329	26 V
K22T44B	17.6	0.15	K232P	36.336	178.642	194.679	18.344	0.12130	3.09470	28 V
K22T44C	18.7	0.15	K232P	28.305	310.524	72.724	7.546	0.28492	3.08847	26 V
K22T44D	20.1	0.15	K232P	34.163	229.058	160.637	5.882	0.16117	2.29589	28 V
K22T44E	19.0	0.15	K232P	58.616	288.575	55.966	10.261	0.24190	2.74208	27 V
K22T44F	19.2	0.15	K232P	26.668	310.242	86.180	7.739	0.28322	2.64837	26 V
K22T44G	18.0	0.15	K232P	9.449	287.812	133.041	15.712	0.15093	2.89843	27 V
K22T44H	19.7	0.15	K232P	47.692	229.751	130.908	6.644	0.23245	2.53469	20 V
K22T44J	20.3	0.15	K232P	31.261	328.042	52.845	12.392	0.36904	2.77378	26 V
K22T44K	18.0	0.15	K232P	0.587	0.265	55.677	10.089	0.07226	3.12794	27 V
K22T44L	18.9	0.15	K232P	58.257	244.726	90.569	7.457	0.21760	2.94188	28 V
K22T44M	18.0	0.15	K232P	5.551	357.312	65.208	22.878	0.04888	2.64781	26 V
K22T44N	18.1	0.15	K232P	47.355	235.279	124.008	8.306	0.23039	3.02701	24 V
K22T44O	18.4	0.15	K232P	48.447	197.191	169.038	15.643	0.14537	2.85886	18 V
K22T44P	18.5	0.15	K232P	33.145	205.710	181.022	17.915	0.22400	3.17783	25 V
K22T44Q	18.6	0.15	K232P	110.159	40.459	260.178	3.263	0.04512	2.78677	24 V
K22T44R	19.0	0.15	K232P	49.982	353.049	7.910	4.703	0.18031	2.58344	11 V
K22T44S	18.1	0.15	K232P	23.026	125.820	260.252	0.874	0.07988	2.89479	17 V
K22T44T	17.8	0.15	K232P	53.096	310.247	39.592	9.617	0.10791	3.04154	19 V
K22UC5M	18.9	0.15	K232P	315.554	359.320	97.410	7.221	0.01031	2.80070	4 V
K22UC5N	18.7	0.15	K232P	64.570	274.216	60.521	9.628	0.08114	3.05635	34 V
K22UC5O	18.6	0.15	K232P	19.576	266.681	131.086	14.741	0.29193	2.64630	32 V
K22UC5P	18.7	0.15	K232P	7.977	242.306	162.781	6.484	0.07457	2.67952	16 V
K22UC5Q	18.4	0.15	K232P	39.213	300.911	66.371	2.452	0.05380	2.91139	15 V
K22UC5R	19.3	0.15	K232P	3.040	190.319	244.904	12.054	0.25762	2.64756	31 V
K22UC5S	18.3	0.15	K232P	82.079	44.522	277.220	11.512	0.18052	2.65190	40 V
K22UC5T	18.8	0.15	K232P	3.399	96.378	338.775	10.061	0.17800	2.63722	40 V
K22UC5U	18.7	0.15	K232P	74.561	304.371	27.556	4.110	0.11810	2.59467	14 V
K22UC5V	18.1	0.15	K232P	35.255	15.696	356.825	1.671	0.08982	2.90028	14 V
K22UC5W	18.8	0.15	K232P	35.831	348.086	43.887	14.696	0.20084	2.67172	14 V
K22UC5X	19.8	0.15	K232P	36.009	96.704	276.549	8.015	0.36554	2.71622	13 V
K22UC5Y	18.3	0.15	K232P	27.731	94.707	289.599	14.115	0.26333	3.09698	40 V
K22UC5Z	19.2	0.15	K232P	11.299	203.737	218.450	33.356	0.22067	2.58955	17 V
K22UC6A	19.5	0.15	K232P	30.805	133.573	255.513	6.433	0.25122	2.65647	31 V
K22UC6B	17.9	0.15	K232P	356.065	193.465	237.275	9.569	0.18824	3.12596	40 V
K22UC6C	20.9	0.15	K232P	17.371	9.900	49.008	8.192	0.30173	2.27679	37 V
K22UC6D	19.8	0.15	K232P	1.198	246.373	204.413	23.762	0.48551	3.15930	11 V
K22UC6E	18.1	0.15	K232P	342.213	45.017	46.332	10.822	0.21516	3.11181	13 V
K22UC6F	17.1	0.15	K232P	75.421	294.888	33.839	11.934	0.08500	3.38122	14 V
K22UC6G	19.1	0.15	K232P	78.469	139.931	185.600	2.615	0.21199	2.54897	11 V
K22UC6H	19.4	0.15	K232P	41.092	323.757	50.041	3.163	0.20766	2.70194	11 V
K22UC6J	18.2	0.15	K232P	44.887	100.938	258.529	9.530	0.11807	2.99464	30 V
K22UC6K	19.7	0.15	K232P	80.107	6.369	331.335	3.710	0.10668	2.20978	6 V
K22UC6L	19.2	0.15	K232P	3.267	296.190	134.847	3.052	0.19064	2.67173	13 V
K22UC6M	19.1	0.15	K232P	43.595	280.331	91.526	4.504	0.21014	2.72182	30 V
K22UC6N	20.3	0.15	K232P	37.435	357.909	34.000	4.430	0.14669	2.22970	14 V
K22UC6O	19.7	0.15	K232P	55.979	155.251	197.144	7.402	0.20240	2.60513	9 V
K22UC6P	19.5	0.15	K232P	16.911	262.391	153.080	2.211	0.22046	2.65567	11 V
K22UC6Q	17.9	0.15	K232P	65.849	287.935	55.572	2.466	0.10856	2.99152	11 V
K22UC6R	18.3	0.15	K232P	345.518	233.924	206.875	15.612	0.12107	3.11797	13 V
K22UC6S	17.9	0.15	K232P	1.794	359.879	56.937	18.313	0.18198	3.13763	10 V
K22UC6T	20.4	0.15	K232P	40.270	2.784	19.253	2.405	0.19841	2.28957	8 V
K22UC6V	17.6	0.15	K232P	74.067	295.247	27.790	16.264	0.26481	3.13414	30 V
K22UC6W	19.5	0.15	K232P	53.192	347.026	22.190	3.069	0.20649	2.37450	38 V
K22UC6X	19.7	0.15	K232P	37.044	77.100	303.663	6.925	0.34974	2.66797	35 V
K22UC6Y	18.8	0.15	K232P	23.919	138.829	271.202	5.886	0.30088	2.62610	37 V
K22UC6Z	18.1	0.15	K232P	56.719	26.271	342.644	4.181	0.12206	2.78852	37 V
K22UC7A	19.5	0.15	K232P	38.321	246.406	138.908	14.752	0.22110	2.55229	35 V
K22UC7B	17.9	0.15	K232P	8.468	309.671	109.647	23.440	0.26577	3.08084	27 V
K22UC7C	17.7	0.15	K232P	7.891	88.491	338.208	6.870	0.03759	3.03476	38 V
K22UC7D	18.8	0.15	K232P	21.048	291.367	122.974	12.389	0.22827	2.79638	29 V
K22UC7E	17.8	0.15	K232P	62.861	222.289	131.310	2.081	0.19698	3.10964	36 V
K22UC7F	17.4	0.15	K232P	18.729	177.578	241.232	11.144	0.10965	3.07274	33 V

K22Y10Y	19.1	0.15	K232P	28.059	3.893	76.608	16.810	0.25698	2.77051	31	V
K22Y10Z	19.8	0.15	K232P	351.046	29.691	86.713	23.335	0.06120	1.90458	9	V
K22Y11A	18.4	0.15	K232P	66.015	193.196	176.639	4.944	0.22298	2.55356	9	V
K22Y11B	18.8	0.15	K232P	25.276	223.741	222.208	3.116	0.20695	2.71624	9	V
K22Y11C	17.8	0.15	K232P	33.669	296.120	119.136	5.976	0.16228	3.09643	9	V
K22Y11D	17.9	0.15	K232P	348.738	22.324	91.206	18.597	0.07572	2.85146	8	V
K22Y11E	18.1	0.15	K232P	341.941	235.743	265.736	29.817	0.26522	2.60665	9	V
K22Y11F	18.4	0.15	K232P	56.548	114.429	267.148	11.638	0.28458	2.69650	8	V
K22Y11G	18.6	0.15	K232P	51.794	297.450	106.035	12.633	0.20773	2.67279	8	V
K22Y11H	17.7	0.15	K232P	353.035	208.964	264.572	27.140	0.28357	3.22853	8	V
K22Y11J	19.1	0.15	K232P	41.593	136.559	269.175	13.047	0.20732	2.52189	8	V
K22Y11K	16.9	0.15	K232P	351.265	54.577	81.245	7.090	0.21462	3.95087	27	V
K22Y11L	17.8	0.15	K232P	14.050	222.306	228.022	13.904	0.12534	2.56434	27	V
K22Y11M	18.6	0.15	K232P	10.310	198.774	284.587	12.436	0.19562	2.68542	19	V
K22Y11N	18.3	0.15	K232P	24.019	288.882	172.713	5.702	0.18661	2.98848	24	V
K23A06Z	18.8	0.15	K232P	336.601	44.043	108.066	7.601	0.02529	2.53104	14	V
K23A07A	17.8	0.15	K232P	6.022	99.705	20.070	9.575	0.01583	3.12691	13	V
K23A07B	18.2	0.15	K232P	16.214	350.258	109.820	10.495	0.23129	3.14999	16	V
K23A07C	20.0	0.15	K232P	23.007	30.372	68.456	1.659	0.17648	2.34733	14	V
K23A07D	17.9	0.15	K232P	60.307	277.598	133.908	4.829	0.12083	3.20501	16	V
K23A07E	17.0	0.15	K232P	9.575	216.801	274.681	16.269	0.13743	3.18056	6	V
K23A07F	18.0	0.15	K232P	17.515	207.596	259.705	3.175	0.14148	3.12989	9	V
K23A07G	19.4	0.15	K232P	58.274	244.757	168.804	2.211	0.19794	2.34849	9	V
K23A07H	18.2	0.15	K232P	80.149	257.713	146.773	6.091	0.04809	2.65314	9	V
K23B01S	22.0	0.15	K232P	359.977	276.164	253.504	3.691	0.60256	2.46548	13	B
K23B15W	18.3	0.15	K232P	21.116	141.338	312.354	13.548	0.23205	3.16891	6	V
K23C03L	22.4	0.15	K232P	331.852	140.552	73.641	4.273	0.41178	1.72310	130	X
K23E11W	17.4	0.15	K232P	306.135	252.992	351.651	13.321	0.20361	3.09582	8	V
K23E11X	19.0	0.15	K232P	11.268	133.913	15.579	1.700	0.12735	2.39896	15	V
K23E11Y	17.9	0.15	K232P	286.975	32.541	218.502	2.807	0.09947	2.77095	7	V
K23E11Z	17.7	0.15	K232P	37.052	115.759	357.942	16.864	0.16278	3.12712	25	V
K23E12A	18.6	0.15	K232P	311.567	104.842	119.608	3.451	0.14827	2.56337	15	V
K23E12B	20.4	0.15	K232P	337.079	227.498	331.559	4.402	0.31571	2.35625	6	V
K23E12C	19.0	0.15	K232P	2.280	168.674	350.975	10.764	0.20425	2.61739	15	V
K23E12D	18.3	0.15	K232P	44.173	114.485	351.989	10.965	0.15039	2.68329	8	V
K23E12E	20.0	0.15	K232P	353.766	177.192	352.311	24.097	0.03566	1.86923	12	V
K23E12F	20.3	0.15	K232P	2.776	357.971	162.965	3.755	0.20474	2.29988	8	V
K23E12G	18.8	0.15	K232P	36.834	14.863	107.411	2.482	0.12086	2.51049	5	V
K23E12H	19.2	0.15	K232P	20.561	132.520	6.918	9.496	0.14882	2.42747	8	V
K23E12J	19.4	0.15	K232P	30.102	255.174	237.085	4.958	0.13358	2.22932	11	V
K23E12K	19.2	0.15	K232P	343.612	334.747	216.164	1.179	0.13196	2.37123	12	V
K23E12L	18.1	0.15	K232P	329.455	31.127	182.307	11.158	0.14280	2.86964	12	V
K23E12M	19.5	0.15	K232P	7.974	312.642	205.260	1.741	0.18276	2.48445	12	V
K23F35P	17.7	0.15	K232P	18.271	122.128	35.019	27.786	0.23265	3.09304	62	X
K23F39X	18.9	0.15	K232P	0.581	58.987	127.091	5.467	0.15082	2.41981	38	X
K23F42R	18.6	0.15	K232P	40.418	292.156	195.913	2.171	0.08022	2.65055	8	V
K23F42S	17.9	0.15	K232P	313.664	73.402	154.752	0.766	0.07056	3.00684	9	V
K23F42T	17.6	0.15	K232P	216.292	174.523	134.837	19.467	0.00510	3.09191	8	V
K23F42U	17.8	0.15	K232P	316.864	130.341	107.370	14.034	0.19653	3.13971	9	V
K23F42V	18.4	0.15	K232P	1.940	124.039	25.952	12.379	0.22703	2.64558	7	V
K23F42W	17.1	0.15	K232P	306.659	142.007	103.919	18.470	0.16376	3.04907	25	V
K23F42X	18.0	0.15	K232P	358.266	37.867	139.512	12.394	0.27714	3.13504	10	V
K23F42Y	17.6	0.15	K232P	343.065	97.896	104.812	10.854	0.18029	3.17177	21	V
K23F42Z	18.0	0.15	K232P	357.164	134.494	50.730	11.253	0.17212	3.12381	10	V
K23F43A	19.8	0.15	K232P	338.169	240.953	318.595	0.594	0.13639	2.32082	8	V
K23F43B	18.0	0.15	K232P	271.515	344.311	287.255	3.529	0.13976	2.53840	9	V
K23G08M	18.7	0.15	K232P	28.280	89.818	62.372	9.468	0.26397	2.79187	27	X
K23G09C	19.5	0.15	K232P	319.021	140.785	102.345	7.179	0.13935	2.36167	8	V
K23H02Q	16.2	0.15	K232P	328.164	135.907	232.181	67.252	0.79790	3.36910	45	X
K23H06E	24.3	0.15	K232P	269.730	251.490	39.615	14.343	0.24699	1.27847	23	X
K23H06O	20.8	0.15	K232P	298.282	199.505	99.364	8.348	0.42023	1.74827	38	X
K23H08A	19.3	0.15	K232P	336.528	226.663	27.451	24.564	0.48353	2.42405	22	X
K23H18O	25.3	0.15	K232P	268.106	194.761	73.306	7.542	0.11323	1.14387	42	X
K23H23Q	19.5	0.15	K232P	3.321	174.667	15.785	4.825	0.13278	2.26436	31	X
K23H24K	17.2	0.15	K232P	296.668	238.391	59.525	16.268	0.22913	3.16224	18	X
K23H25B	18.0	0.15	K232P	4.327	294.262	272.747	5.789	0.15599	2.79263	34	V
K23H25W	19.3	0.15	K232P	316.365	94.071	175.205	10.896	0.27661	2.64631	23	V
K23H25X	18.9	0.15	K232P	318.257	206.455	70.790	15.185	0.24595	2.61112	15	V
K23H25Y	18.0	0.15	K232P	343.953	183.953	37.738	18.756	0.19110	3.13740	25	V
K23H25Z	19.4	0.15	K232P	339.549	340.673	240.181	4.412	0.18398	2.38762	21	V
K23H26A	17.0	0.15	K232P	51.527	50.330	84.388	19.740	0.06095	3.18307	21	V
K23H26B	19.5	0.15	K232P	303.130	306.022	332.917	1.147	0.24364	2.39349	23	V
K23H26C	19.2	0.15	K232P	344.781	215.213	355.364	3.853	0.11899	2.32781	20	V
K23H26D	18.3	0.15	K232P	287.623	253.319	56.387	13.494	0.17142	2.60821	22	V
K23H26E	18.6	0.15	K232P	342.966	321.710	260.008	13.276	0.13386	2.64685	21	V
K23H26F	17.4	0.15	K232P	295.591	233.320	66.468	17.956	0.24299	3.10662	30	V
K23H26G	17.4	0.15	K232P	313.670	186.644	86.429	17.796	0.21442	3.08086	26	V
K23J00K	24.8	0.15	K232P	324.155	29.359	236.841	5.465	0.52017	2.05206	34	X
K23J02D	23.7	0.15	K232P	338.063	136.122	57.702	19.540	0.39817	1.61272	8	X
K23J03B	24.2	0.15	K232P	151.737	289.735	88.838	5.449	0.25224	0.94002	20	X
K23J03K	25.3	0.15	K232P	80.312	353.160	56.423	2.056	0.27307	0.80316	12	X
K23J05E	25.0	0.15	K232P	266.815	299.848	10.694	0.865	0.34849	1.33502	19	X
K23J05P	23.3	0.15	K232P	266.908	254.898	58.409	17.839	0.30385	1.37742	13	X
K23J14A	17.8	0.15	K232P	323.824	53.913	227.735	14.584	0.32104	3.22001	33	X
K23J18V	18.9	0.15	K232P	29.528	101.176	65.032	6.610	0.18983	2.61429	13	V
K23K01Q	25.2	0.15	K232P	240.285	247.637	62.938	33.903	0.17892	1.15912	5	X
K23K02W	23.7	0.15	K232P	319.114	46.198	241.016	6.483	0.54521	2.11573	47	X
K23K05H	23.4	0.15	K232P	321.102	338.491	244.247	32.017	0.34654	1.50809	4	X
K23K05T	17.7	0.15	K232P	31.993	307.024	277.216	31.676	0.27288	2.39873	2	B

New observations:

J99U00Q 6C2023 06 03.41834 18 12 15.89 +62 40 11.2
 J99U00Q 6C2023 06 03.42863 18 12 15.12 +62 40 26.3

22.0 GVEL013290
 22.2 GVEL013290

J99U000Q	6C2023	06	03.43840	18	12	14.40	+62	40	41.2
K11E78D	KB2023	05	30.01427	18	31	02.01	+07	04	27.2
K11E78D	KB2023	05	30.01718	18	31	02.52	+07	04	26.7
K11E78D	KB2023	05	30.02010	18	31	03.03	+07	04	26.1
K11E78D	KC2023	06	03.01005	18	43	15.25	+06	45	20.7
K11E78D	KC2023	06	03.03932	18	43	20.41	+06	45	09.3
K11E78D	KC2023	06	03.07100	18	43	26.01	+06	44	57.3
K16UA1J	KB2023	05	29.94361	16	40	11.64	-00	48	25.9
K16UA1J	KB2023	05	29.95306	16	40	10.33	-00	47	23.5
K16UA1J	KB2023	05	29.96191	16	40	09.12	-00	46	24.0
K20D05B	KB2023	05	29.80755	13	26	04.69	+27	15	09.0
K20D05B	B2023	05	29.81339	13	26	04.12	+27	14	48.2
K20D05B	V2023	06	02.35511613	21	39.62	+22	58	23.6	
K20D05B	v2023	06	02.3551161	151.66010		-32.96836			0
K20D05B	V2023	06	02.38016213	21	36.61	+22	56	10.0	
K20D05B	v2023	06	02.3801621	151.66010		-32.96836			0
K20D05B	V2023	06	02.39783413	21	34.43	+22	54	34.6	
K20D05B	v2023	06	02.3978341	151.66010		-32.96836			0
K20D05B	V2023	06	02.42024413	21	31.53	+22	52	30.6	
K20D05B	v2023	06	02.4202441	151.66010		-32.96836			0
K20D05B	1C2023	06	02.79804	13	20	56.62	+22	14	12.1
K20D05B	1C2023	06	02.80413	13	20	55.86	+22	13	36.1
K20D05B	1C2023	06	02.81014	13	20	55.12	+22	13	00.5
K20D05B	1C2023	06	02.83566	13	20	52.03	+22	10	27.9
K20D05B	1C2023	06	02.84173	13	20	51.30	+22	09	51.4
K20D05B	1C2023	06	02.84774	13	20	50.59	+22	09	15.3
K20D05B	KB2023	06	02.87271513	20	50.737	+22	06	41.79	
K20D05B	KB2023	06	02.87371513	20	50.603	+22	06	35.93	
K20D05B	KB2023	06	02.87471513	20	50.482	+22	06	29.99	
K20D05B	KB2023	06	02.87571513	20	50.371	+22	06	23.89	
K20D05B	KB2023	06	02.87673613	20	50.247	+22	06	17.72	
K20D05B	KB2023	06	02.87773413	20	50.127	+22	06	11.92	
K20D05B	KC2023	06	02.88500	13	20	48.802	+22	05	27.10
K20D05B	KC2023	06	02.88649	13	20	48.612	+22	05	18.17
K20D05B	KC2023	06	02.88765	13	20	48.497	+22	05	11.44
K20D05B	KC2023	06	02.93983	13	20	41.98	+22	00	08.0
K20D05B	KC2023	06	02.94098	13	20	41.86	+22	00	01.2
K20D05B	KC2023	06	02.94240	13	20	41.72	+21	59	52.4
K21G12R	0C2023	05	24.61390422	12	43.227	+04	59	08.05	
K22G06U	KC2022	05	01.94511512	48	26.44	+24	09	02.6	
K22G06U	KC2022	05	01.98286412	48	24.28	+24	09	36.4	
K23C03L	KB2023	05	29.84046	14	58	20.85	-06	25	07.2
K23C03L	KB2023	05	29.84170	14	58	21.73	-06	25	20.0
K23C03L	KB2023	05	29.84521	14	58	24.05	-06	25	55.9
K23C03L	KB2023	05	29.84810	14	58	26.04	-06	26	25.9
K23H02Q	KC2023	06	02.23896	15	51	46.565	+27	12	47.84
K23H02Q	KC2023	06	02.24330	15	51	45.672	+27	13	00.34
K23H02Q	KB2023	06	02.93790215	49	31.835	+27	48	06.83	
K23H02Q	KB2023	06	02.94287415	49	30.848	+27	48	21.42	
K23H02Q	KB2023	06	02.94783915	49	29.885	+27	48	37.05	
K23H06E	KC2023	05	10.02977	13	26	46.40	-41	44	28.0
K23H06O	KC2023	06	02.89179	15	38	18.871	+15	08	57.08
K23H06O	KC2023	06	02.89492	15	38	18.643	+15	08	58.70
K23H06O	KC2023	06	02.89809	15	38	18.598	+15	08	58.74
K23H06O	KC2023	06	02.90123	15	38	18.494	+15	09	00.68
K23H06O	KC2023	06	02.90433	15	38	18.480	+15	09	00.14
K23H06O	KC2023	06	02.90707	15	38	18.086	+15	08	59.78
K23H08A	HC2023	05	20.92727	20	09	08.94	-77	24	09.0
K23H08A	KC2023	05	20.94887	20	09	25.60	-77	24	55.5
K23H18O	KC2023	06	01.87119	15	42	27.02	+28	40	10.3
K23H18O	KC2023	06	01.87252	15	42	26.86	+28	39	36.3
K23H18O	KC2023	06	01.87376	15	42	26.73	+28	39	04.4
K23H18O	KC2023	06	02.22865	15	44	14.851	+25	47	21.59
K23H18O	KC2023	06	02.22904	15	44	14.825	+25	47	08.95
K23H18O	C2023	06	02.84098	15	47	29.12	+18	49	33.5
K23H18O	C2023	06	02.84255	15	47	29.06	+18	48	15.8
K23H18O	C2023	06	02.84806	15	47	28.97	+18	43	41.2
K23H18O	KB2023	06	02.85451	15	46	37.88	+18	48	42.3
K23H18O	KB2023	06	02.85494	15	46	37.78	+18	48	19.9
K23H18O	KB2023	06	02.85539	15	46	37.68	+18	47	57.0
K23H18O	KB2023	06	02.85583	15	46	37.59	+18	47	34.3
K23H18O	KB2023	06	02.85627	15	46	37.51	+18	47	11.3
K23H18O	KB2023	06	02.85670	15	46	37.41	+18	46	49.0
K23H18O	1C2023	06	02.88606	15	47	01.78	+18	13	02.9
K23H18O	1C2023	06	02.88895	15	47	01.56	+18	10	31.3
K23H18O	1C2023	06	02.89182	15	47	01.32	+18	07	59.6
K23H18O	KC2023	06	02.89758215	47	49.66	+18	00	23.0	
K23H18O	1C2023	06	02.89850	15	47	00.79	+18	02	04.9
K23H18O	KC2023	06	02.89970615	47	49.73	+17	58	32.9	
K23H18O	KC2023	06	02.90179415	47	49.70	+17	56	44.9	
K23H18O	1C2023	06	02.90187	15	47	00.52	+17	59	05.4
K23H18O	KC2023	06	02.90388315	47	49.68	+17	54	55.1	
K23H18O	1C2023	06	02.90521	15	47	00.29	+17	56	06.4
K23H18O	KC2023	06	02.90597915	47	49.67	+17	53	06.2	
K23H18O	KC2023	06	02.90681315	47	49.889	+17	52	09.30	
K23H18O	KC2023	06	02.90831315	47	49.896	+17	50	50.82	
K23H18O	1C2023	06	02.90970	15	46	59.99	+17	52	05.3
K23H18O	KC2023	06	02.90978815	47	49.896	+17	49	33.35	
K23H18O	KC2023	06	02.91058	15	47	33.694	+17	49	21.04
K23H18O	KC2023	06	02.91096	15	47	36.94	+17	51	47.2
K23H18O	KC2023	06	02.91125815	47	49.889	+17	48	16.02	
K23H18O	KC2023	06	02.91144	15	47	36.91	+17	51	21.8
K23H18O	KC2023	06	02.91191	15	47	36.87	+17	50	56.8

22.2	GVEL013290
	ZEL013M45
16.9	VZEL013M45
16.8	VZEL013M45
16.6	GXEL013K00
17.1	GXEL013K00
16.2	GXEL013K00
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16.0	VVEL013270
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15.6	GVEL013C40
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15.7	GXEL013B72
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15.7	GXEL013G19
15.5	GXEL013G19
16.0	GXEL013G19
15.9	GXEL013K83
15.9	GXEL013K83
15.9	GXEL013K83
22.01	GVEL013T12
20.2	GXEL013C95
19.7	GXEL013C95
17.2	VZEL013M45
16.9	VZEL013M45
17.0	VZEL013M45
16.9	VZEL013M45
18.1	GVEL013U52
18.7	GVEL013U52
18.7	GXEL013B72
18.2	GXEL013B72
18.4	GXEL013B72
20.5	GVEL013M21
18.5	GXEL013G19
18.1	GXEL013G19
18.0	GXEL013G19
18.9	GXEL013G19
19.0	GXEL013G19
18.8	GXEL013G19
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19.7	GVEL013M21
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16.4	VZEL013M38
16.3	VZEL013M38
16.5	GVEL013U52
16.9	GVEL013U52
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16.9	gzEL013M44
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16.0	GVEL013C40
16.2	GVEL013J95
16.8	GXEL013G19
16.2	GXEL013K83
16.1	GVEL013J95
15.9	GXEL013K83
15.7	GXEL013K83

K23H180	1C2023	06	02.91218	15	46	59.83	+17	49	52.0	15.9	GVEL013C40
K23H180	KC2023	06	02.91345	15	47	33.619	+17	46	48.83	16.1	GXEL013G19
K23H180	1C2023	06	02.91462	15	46	59.67	+17	47	40.1	15.9	GVEL013C40
K23H180	KB2023	06	02.91533215	15	47	39.585	+17	45	10.37	15.9	GXEL013B72
K23H180	KC2023	06	02.91632	15	47	33.504	+17	44	16.48	15.8	GXEL013G19
K23H180	1C2023	06	02.91772	15	46	59.49	+17	44	52.2	15.9	GVEL013C40
K23H180	KC2023	06	02.91921	15	47	33.413	+17	41	42.29	15.9	GXEL013G19
K23H180	1C2023	06	02.91999	15	46	59.36	+17	42	48.9	16.0	GVEL013C40
K23H180	KC2023	06	02.92204	15	47	33.307	+17	39	10.80	15.9	GXEL013G19
K23H180	1C2023	06	02.92223	15	46	59.24	+17	40	47.0	16.0	GVEL013C40
K23H180	KB2023	06	02.92402115	15	47	39.308	+17	37	27.18	15.9	GXEL013B72
K23H180	KC2023	06	02.92476	15	47	33.221	+17	36	44.24	16.3	GXEL013G19
K23H180	1C2023	06	02.92620	15	46	59.05	+17	37	09.9	15.9	GVEL013C40
K23H180	1C2023	06	02.92844	15	46	58.95	+17	35	07.3	15.8	GVEL013C40
K23H180	KB2023	06	02.92971315	15	47	39.141	+17	32	21.60	15.9	GXEL013B72
K23H180	1C2023	06	02.93072	15	46	58.85	+17	33	02.2	16.0	GVEL013C40
K23J00K	KC2023	05	20.90599417	20	04.01	+00		16	54.4		VEL013M21
K23J00K	KC2023	05	20.90699817	20	09.48	+00		17	36.4		VEL013M21
K23J00K	KC2023	05	20.90799517	20	14.88	+00		18	17.8	16.6	GVEL013M21
K23J02D	KC2023	05	20.81359	14	59	37.08	-26	03	13.3		VEL013M21
K23J02D	KC2023	05	20.81925	14	59	36.31	-26	05	36.7		VEL013M21
K23J02D	KC2023	05	20.82449	14	59	35.57	-26	07	49.5	17.7	GVEL013M21
K23J03B	KC2023	06	02.21159	15	21	54.679	+25	39	28.62	18.2	GVEL013U52
K23J03B	KC2023	06	02.21797	15	21	48.624	+25	40	07.72	18.6	GVEL013U52
K23J03K	KC2023	05	20.89548517	43	10.69	-44	14	17.3			VEL013M21
K23J03K	KC2023	05	20.89707417	43	00.71	-44	15	36.3			VEL013M21
K23J03K	KC2023	05	20.89840917	42	52.33	-44	16	42.2		15.4	GVEL013M21
K23J05E	.C2023	05	31.44910710	26	15.552	-06	43	39.91		20.4	GVEL013E10
K23J05E	.C2023	05	31.45191410	26	12.085	-06	43	26.29		20.2	GVEL013E10
K23J05P	KC2023	05	24.93326	17	00	27.73	-42	00	40.2	20.1	GVEL013M21
K23K01Q	KC2023	05	24.90420815	57	58.90	-24	08	56.9		19.1	GVEL013M21
K23K02W	KB2023	06	02.88231914	03	00.420	+20	08	44.44		17.9	GXEL013B72
K23K02W	KB2023	06	02.88586014	03	01.037	+20	10	15.46		17.9	GXEL013B72
K23K02W	KB2023	06	02.88939914	03	01.696	+20	11	46.35		18.2	GXEL013B72
K23K02W	KB2023	06	02.89293914	03	02.312	+20	13	17.47		18.1	GXEL013B72
K23K03K*	C2023	05	24.57363520	46	03.186	-01	13	13.26		20.76w	XEL013F51
K23K03K	C2023	05	24.59192920	46	05.003	-01	12	39.29		21.19w	XEL013F51
K23K03K	C2023	05	24.60108320	46	05.904	-01	12	22.31		20.80w	XEL013F51
K23K03K	C2023	05	25.27005	20	47	15.48	-00	51	28.7	19.8	VuEL013807
K23K03K	C2023	05	25.27661	20	47	16.14	-00	51	18.0	19.7	VuEL013807
K23K03K	C2023	05	25.28318	20	47	16.79	-00	51	05.5	19.7	VuEL013807
K23K03K	KC2023	05	25.32938020	47	21.45	-00	49	57.2		20.3	VuEL013H21
K23K03K	KC2023	05	25.33217620	47	21.73	-00	49	52.1		20.2	VuEL013H21
K23K03K	KC2023	05	25.33497220	47	22.01	-00	49	46.7		20.3	VuEL013H21
K23K03K	KC2023	05	25.33776820	47	22.29	-00	49	41.3		20.2	VuEL013H21
K23K03K	KC2023	05	25.35679	20	47	24.30	-00	49	06.6	20.4	VqEL013H36
K23K03K	KC2023	05	25.36436	20	47	25.04	-00	48	52.4	20.2	VqEL013H36
K23K03K	KC2023	05	25.37043	20	47	25.61	-00	48	40.3	20.4	VqEL013H36
K23K03K	mC2023	05	25.40024720	47	28.712	-00	47	44.92		20.72G	VEL013I52
K23K03K	mC2023	05	25.40657720	47	29.332	-00	47	33.25		20.53G	VEL013I52
K23K03K	mC2023	05	25.41926320	47	30.556	-00	47	09.71			VEL013I52
K23K03K	3C2023	05	25.59418620	47	48.106	-00	41	44.00		20.20G	VEL013T14
K23K03K	3C2023	05	25.59528220	47	48.210	-00	41	42.00		20.20G	VEL013T14
K23K03K	3C2023	05	25.59625820	47	48.303	-00	41	40.19		20.20G	VEL013T14
K23K03K	KC2023	05	26.31679320	49	00.93	-00	19	39.8		20.4	VuEL013H21
K23K03K	KC2023	05	26.31958820	49	01.20	-00	19	34.6		20.2	VuEL013H21
K23K03K	KC2023	05	26.32238520	49	01.46	-00	19	29.3		20.2	VuEL013H21
K23K03K	KC2023	05	27.06858	20	50	14.57	+00	03	13.0	20.4	GXEL013K83
K23K03K	KC2023	05	27.08461	20	50	16.02	+00	03	42.2	20.0	GXEL013K83
K23K03K	KC2023	05	27.33640920	50	40.45	+00	11	21.1		20.6	VuEL013H21
K23K03K	KC2023	05	27.33920520	50	40.73	+00	11	25.9		20.3	VuEL013H21
K23K03K	1C2023	06	02.42362420	59	29.652	+03	10	16.57		19.68G	VEL013G96
K23K03K	1C2023	06	02.42924420	59	30.059	+03	10	26.11		20.07G	VEL013G96
K23K03K	1C2023	06	02.43486820	59	30.462	+03	10	35.62			VEL013G96
K23K03K	1C2023	06	02.44049020	59	30.894	+03	10	45.16		20.03G	VEL013G96
K23K05H	6C2023	06	03.16780	14	14	09.53	+62	09	34.7	20.2	GVEL013Z90
K23K05H	6C2023	06	03.16870	14	14	10.95	+62	09	35.8	20.2	GVEL013Z90
K23K05H	6C2023	06	03.16955	14	14	12.35	+62	09	36.9	20.4	GVEL013Z90
01566	1C2023	06	02.41932621	21	28.804	-24	20	39.34		18.21G	VEL013703
01566	1C2023	06	02.42198221	21	28.505	-24	20	42.86		18.25G	VEL013703
01566	1C2023	06	02.42463621	21	28.170	-24	20	47.36		18.02G	VEL013703
01566	1C2023	06	02.42729921	21	27.853	-24	20	51.25		18.33G	VEL013703
03553	KB2023	05	29.93099	16	33	59.58	+10	38	03.4	16.9	VZEL013M45
03553	KB2023	05	29.93431	16	33	59.17	+10	38	12.4	16.7	VZEL013M45
03553	KB2023	05	29.93721	16	33	58.84	+10	38	20.3	16.8	VZEL013M45
17188	1C2023	06	02.45052522	08	16.742	+04	18	20.23		18.06G	VEL013703
17188	1C2023	06	02.45313822	08	16.566	+04	18	25.92		18.11G	VEL013703
17188	1C2023	06	02.45575822	08	16.454	+04	18	32.00		18.13G	VEL013703
17188	1C2023	06	02.45836922	08	16.271	+04	18	37.62		18.22G	VEL013703
66253	1C2023	06	02.38550217	53	52.638	+14	42	02.09		20.49G	VEL013G96
66253	1C2023	06	02.38974917	53	52.141	+14	42	06.12		20.91G	VEL013G96
66253	1C2023	06	02.39399117	53	51.490	+14	42	10.19		20.40G	VEL013G96
66253	1C2023	06	02.39823117	53	50.881	+14	42	14.33		20.19G	VEL013G96
85709	KB2023	05	30.03256	20	54	50.90	+40	03	01.9	17.2	VZEL013M45
85709	KB2023	05	30.03598	20	54	51.08	+40	03	04.7	17.3	VZEL013M45
85709	KB2023	05	30.03958	20	54	51.28	+40	03	08.2	17.3	VZEL013M45
86829	KB2023	05	29.91439	16	06	48.96	-12	27	58.5	16.3	VZEL013M45
86829	KB2023	05	29.91726	16	06	48.53	-12	28	00.0	16.4	VZEL013M45
86829	KB2023	05	29.92128	16	06	47.93	-12	28	02.6	16.6	VZEL013M45
88264	KB2023	05	29.98016	18	05	13.19	-00	15	34.9	16.7	VZEL013M45
88264	KB2023	05	29.98317	18	05	13.33	-00	15	36.4	16.8	VZEL013M45
88264	KB2023	05	29.98661	18	05	13.51	-00	15	37.9	16.7	VZEL013M45
96189	1C2023	06	02.43947221	46	46.196	-16	35	07.26		18.79G	VEL013703

96189	1C2023	06	02.44208721	46	46.326-16	35	03.52	18.34GVEL013703
96189	1C2023	06	02.44469921	46	46.456-16	34	59.99	18.07GVEL013703
96189	1C2023	06	02.44731221	46	46.553-16	34	57.54	18.07GVEL013703
F4244	KB2023	05	29.88352	15	57 40.90	-12	38 44.1	16.4 VZEL013M45
F4244	KB2023	05	29.88481	15	57 40.81	-12	38 42.8	16.4 VZEL013M45
F4244	KB2023	05	29.88854	15	57 40.64	-12	38 38.6	16.4 VZEL013M45
F4244	C2023	05	30.96403	15	57 05.05	-12	18 52.8	15.4 VPVEL013M55
F4244	C2023	05	30.96865	15	57 04.88	-12	18 47.3	15.4 VPVEL013M55
F4244	C2023	05	30.97325	15	57 04.69	-12	18 42.0	15.5 VPVEL013M55
F4244	C2023	05	30.97787	15	57 04.49	-12	18 36.8	15.4 VPVEL013M55
F4244	C2023	05	31.88137	15	56 35.55	-12	01 34.3	15.6 VPVEL013M55
F4244	C2023	05	31.88598	15	56 35.35	-12	01 28.8	15.8 VPVEL013M55
F4244	C2023	05	31.89059	15	56 35.15	-12	01 23.8	15.7 VPVEL013M55
F4244	C2023	05	31.89520	15	56 34.98	-12	01 18.4	15.9 VPVEL013M55
G3696	KB2023	05	29.83213	14	34 41.26	-03	03 30.4	15.9 VZEL013M45
G3696	KB2023	05	29.83728	14	34 39.59	-03	03 42.3	15.8 VZEL013M45
H5189	KB2023	05	30.02520	18	42 02.31	-11	37 38.8	17.3 VZEL013M45
H5189	KB2023	05	30.02984	18	42 02.66	-11	37 37.4	17.0 VZEL013M45
H5729	1C2023	06	02.42595720	55	42.470+02	02	17.20	20.26GVEL013G96
H5729	1C2023	06	02.43158020	55	43.558+02	02	23.32	20.45GVEL013G96
H5729	1C2023	06	02.43720120	55	44.648+02	02	28.64	20.68GVEL013G96
H5729	1C2023	06	02.44282320	55	45.746+02	02	34.19	21.53GVEL013G96
M3456	1C2023	06	02.45052522	13	54.415+00	20	10.18	VZEL013703
M3456	1C2023	06	02.45313822	13	54.779+00	20	10.82	19.12GVEL013703
M3456	1C2023	06	02.45575822	13	55.204+00	20	10.10	19.04GVEL013703
M3456	1C2023	06	02.45836922	13	55.513+00	20	08.70	18.97GVEL013703
X1963	1C2023	06	02.39012920	50	31.301-06	56	18.42	18.44GVEL013703
X1963	1C2023	06	02.39274820	50	31.553-06	56	05.78	18.05GVEL013703
X1963	1C2023	06	02.39536420	50	31.736-06	55	54.12	18.30GVEL013703
j8732	1C2023	06	02.42502121	11	46.914-01	48	24.70	21.17GVEL013G96
j8732	1C2023	06	02.43064421	11	47.303-01	48	20.88	20.90GVEL013G96
j8732	1C2023	06	02.43626521	11	47.670-01	48	17.96	20.61GVEL013G96
j8732	1C2023	06	02.44188721	11	48.062-01	48	13.61	20.93GVEL013G96
m8453	2C2023	05	21.26568317	14	22.717-12	23	03.53	17.6 GVEL013W87
m8453	2C2023	05	21.28648017	14	23.165-12	22	46.51	17.6 GVEL013W87
m8453	2C2023	05	21.31017217	14	23.682-12	22	27.19	17.6 GVEL013W87
m8453	2C2023	05	21.32801517	14	24.084-12	22	12.37	17.8 GVEL013W87
m8453	2C2023	05	21.34884617	14	24.569-12	21	54.94	17.9 GVEL013W87
m8453	2C2023	05	21.36075317	14	24.847-12	21	44.96	17.7 GVEL013W87
m8453	KB2023	05	29.96866	17	20 22.97	-09	21 44.0	16.5 VZEL013M45
m8453	KB2023	05	29.97210	17	20 23.12	-09	21 37.1	16.4 VZEL013M45
m8453	KB2023	05	29.97554	17	20 23.26	-09	21 30.2	16.7 VZEL013M45
m8453	KC2023	06	02.25384	17	24 27.895-06	59	11.08	15.3 GVEL013U52
m8453	KC2023	06	02.25602	17	24 28.066-06	59	03.55	15.2 GVEL013U52
m8453	1C2023	06	02.89509	17	25 30.69	-06	20 23.8	15.4 GVEL013C40
m8453	1C2023	06	02.90804	17	25 31.80	-06	19 33.4	15.4 GVEL013C40
m8453	1C2023	06	02.92062	17	25 32.85	-06	18 44.5	15.3 GVEL013C40
n1567	KB2023	06	01.97926	16	18 16.69	+29	39 27.1	17.4 VZEL013M45
n1567	KB2023	06	01.98289	16	18 16.22	+29	39 08.6	17.3 VZEL013M45
n1567	1C2023	06	02.37643516	17	32.114+29	05	34.15	17.97GVEL013703
n1567	1C2023	06	02.37908516	17	31.787+29	05	20.18	17.74GVEL013703
n1567	1C2023	06	02.38174116	17	31.448+29	05	07.01	17.54GVEL013703
n1567	1C2023	06	02.38439216	17	31.189+29	04	52.75	17.49GVEL013703
n5615	KB2023	05	30.00741	18	20 00.22	+29	25 42.6	17.2 VZEL013M45
n5615	KB2023	05	30.01032	18	19 59.63	+29	25 58.3	17.4 VZEL013M45
p3125	KB2023	05	29.81835	13	38 08.91	+24	59 14.0	17.0 VZEL013M45
p3125	KB2023	05	29.82162	13	38 07.64	+24	59 32.3	17.2 VZEL013M45

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