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## MPEC 2022-F08 : DAILY ORBIT UPDATE (2022 March 18)

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M.P.E.C. 2022-F08

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DAILY ORBIT UPDATE (2022 March 18)

Update to 2022-F04

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

### New identifications:

K15PL2M	K22B30L	Weryk
K01SN8V	K10AD4X	Weryk
K15FN5C	K22B30B	Weryk
K05UF0A	K16PN6F	Weryk
K06SJ6U	K15M25M	Weryk
K11C61Q	K22B29K	Weryk
K14M34H	K22B29N	Weryk
K14D50G	K22B29Q	Weryk
K14G11A	K22B29B	Weryk
K17BC7G	K22B24W	Weryk
K16CH2X	K22B25E	Weryk
K15HC2H	K22B26A	Weryk
K14X24U	K22B26N	Weryk
K22B26O	K07RW7M	Weryk
K15K48R	K22B26Q	Weryk
K15FH1P	K22B27J	Weryk

### New multiple-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Opp	C
K01FM4F	19.4	0.15	K221L	251.798	284.258	189.857	3.829	0.05674	2.76784	2	V
K01SN8V	16.0	0.15	K221L	252.098	190.553	129.620	3.757	0.26395	3.92524	5	V
K02G31A	19.5	0.15	K221L	38.692	164.607	55.752	4.705	0.15445	2.17782	3	V
K03B00L	16.4	0.15	K221L	345.999	16.370	144.468	57.245	0.46982	2.84073	3	X
K03S15W	19.4	0.15	K221L	222.715	254.811	358.588	4.165	0.18699	2.26242	5	V
K04C63R	17.6	0.15	K221L	346.111	103.874	105.345	12.456	0.44172	2.70326	3	X
K04X48Q	16.4	0.15	K221L	18.799	40.327	96.269	18.551	0.19321	3.09610	10	X
K05K14K	18.6	0.15	K221L	195.683	81.137	153.785	1.775	0.13661	2.37370	6	V
K05R62Y	17.5	0.15	K221L	62.789	55.519	222.185	8.650	0.16046	3.06983	4	V
K05SU5C	17.4	0.15	K221L	8.732	167.778	156.337	1.156	0.14872	3.14321	4	V
K05TM1T	18.1	0.15	K221L	30.095	293.048	51.107	15.150	0.20577	2.56751	4	V
K05TM3F	18.6	0.15	K221L	238.836	317.938	336.178	0.539	0.17053	2.36623	5	V
K05UF0A	16.8	0.15	K221L	330.720	118.387	221.999	0.597	0.11841	3.22824	8	V
K05WM0B	17.3	0.15	K221L	291.085	156.103	242.057	10.622	0.14737	2.65457	5	V
K06BH0T	18.2	0.15	K221L	330.289	5.704	118.617	3.384	0.12805	2.55685	6	V
K06BS4X	17.7	0.15	K221L	131.895	228.133	304.211	3.012	0.03818	2.76863	4	V

K06F51D	18.8	0.15	K221L	320.715	209.818	51.764	15.156	0.50463	2.16709	6	X
K06J52N	15.7	0.15	K221L	41.582	52.104	92.137	10.989	0.06488	3.07329	13	X
K06J57A	16.0	0.15	K221L	327.489	85.550	159.945	17.276	0.19046	3.07249	10	X
K06J90A	19.2	0.15	K221L	253.721	150.404	70.549	3.123	0.12319	2.23554	4	V
K06KF6Z	18.4	0.15	K221L	149.657	46.588	223.550	12.820	0.16095	2.72735	3	V
K06SJ6U	18.9	0.15	K221L	316.208	33.804	302.858	3.528	0.20778	2.16598	5	V
K07To4U	17.8	0.15	K221L	279.822	277.640	167.270	2.228	0.02972	2.86727	7	V
K07UG5Y	17.4	0.15	K221L	92.875	87.097	215.916	3.407	0.08774	2.81091	5	V
K08D97Y	18.1	0.15	K221L	62.658	159.983	332.867	4.642	0.12518	2.69669	5	X
K08FD0O	17.5	0.15	K221L	334.122	79.265	146.186	11.699	0.30685	2.78734	5	X
K08GH7V	18.9	0.15	K221L	3.487	114.867	77.787	2.015	0.15866	2.29408	4	V
K08H10N	19.0	0.15	K221L	348.907	21.700	198.082	0.054	0.18079	2.28133	3	V
K08O33M	18.7	0.15	K221L	243.044	331.079	322.022	2.067	0.17002	2.40079	6	V
K08RI4L	17.9	0.15	K221L	24.075	349.347	295.770	3.255	0.03697	2.77690	4	V
K08SZ9P	18.7	0.15	K221L	221.111	293.333	8.547	2.496	0.18517	2.44344	2	V
K08Ug2L	18.1	0.15	K221L	186.350	223.323	122.793	3.603	0.25561	2.46362	5	V
K08WG4O	19.5	0.15	K221L	359.279	185.596	242.639	19.548	0.08794	1.90230	4	V
K08WG6G	17.8	0.15	K221L	257.224	262.577	239.373	12.161	0.14464	2.73592	4	V
K09C03C	18.9	0.15	K221L	331.656	15.398	194.914	11.373	0.53731	2.20058	4	X
K09F95Q	17.9	0.15	K221L	69.884	194.783	44.284	15.432	0.10548	3.12672	2	V
K10DB5K	17.4	0.15	K221L	68.944	121.917	9.812	0.505	0.16640	3.16095	7	V
K10EH6B	18.3	0.15	K221L	313.236	278.457	230.563	13.372	0.15946	2.52655	6	V
K10V01G	20.7	0.15	K221L	1.076	100.517	353.850	12.365	0.53134	1.69821	6	X
K10Y07G	18.3	0.15	K221L	355.237	167.446	6.789	5.934	0.23805	2.32974	3	V
K11BJ2N	17.6	0.15	K221L	240.081	67.707	269.262	6.885	0.04181	2.86165	7	X
K11C36T	19.4	0.15	K221L	96.108	347.973	129.349	1.843	0.16219	2.25742	4	V
K11C61Q	17.2	0.15	K221L	352.181	203.063	314.592	8.948	0.09150	3.09599	5	V
K11CE6E	17.5	0.15	K221L	0.975	259.247	67.928	7.871	0.14894	2.72720	5	V
K11CE6F	19.0	0.15	K221L	8.172	35.296	153.038	3.210	0.12766	2.30028	4	V
K11D59V	19.4	0.15	K221L	6.421	13.996	159.763	2.834	0.11652	2.33430	3	V
K11E12U	16.1	0.15	K221L	336.782	159.565	1.982	17.425	0.15369	3.13387	6	X
K11EB1V	19.0	0.15	K221L	316.337	304.565	260.228	0.880	0.13521	2.38661	4	V
K11EB1W	19.2	0.15	K221L	27.827	34.607	110.574	3.024	0.17494	2.34029	4	V
K11F45F	18.4	0.15	K221L	335.004	201.072	18.711	20.824	0.05909	1.94148	6	X
K11FH1N	18.8	0.15	K221L	266.480	177.418	65.702	1.973	0.17142	2.43537	3	V
K11FH1O	18.8	0.15	K221L	270.722	145.186	77.755	2.222	0.18950	2.47372	2	V
K11H05E	17.4	0.15	K221L	345.346	81.919	109.471	26.169	0.29977	3.15193	3	X
K11H61E	15.9	0.15	K221L	308.993	161.590	85.173	30.251	0.18936	3.18282	7	X
K11SY6J	17.0	0.15	K221L	6.614	267.784	54.555	15.008	0.17288	3.09717	4	V
K11T00J	21.1	0.15	K221L	317.441	218.791	59.900	4.965	0.63746	1.93926	2	X
K11WI5Y	17.4	0.15	K221L	342.640	305.694	40.201	17.833	0.22234	3.15047	3	V
K11Y39S	17.7	0.15	K221L	332.340	247.950	251.305	21.966	0.16311	1.85716	6	X
K12B37J	19.0	0.15	K221L	246.416	9.650	168.467	2.278	0.18209	2.32960	2	V
K12BI8F	18.9	0.15	K221L	244.930	251.878	291.395	3.189	0.19400	2.33759	3	V
K12C72Y	19.2	0.15	K221L	249.646	102.109	43.560	5.121	0.17509	2.38665	3	V
K12DC9J	19.1	0.15	K221L	232.691	115.974	56.655	3.321	0.12988	2.38394	3	V
K12DC9K	18.9	0.15	K221L	222.199	77.727	100.454	2.910	0.11238	2.39988	2	V
K12FB3J	18.7	0.15	K221L	164.777	11.786	224.638	4.016	0.14378	2.44965	3	V
K12HB1R	18.7	0.15	K221L	98.980	71.606	220.638	15.301	0.33289	2.56013	2	V
K12O08A	18.7	0.15	K221L	316.868	248.969	244.144	13.805	0.03600	2.57023	4	V
K12P23C	19.2	0.15	K221L	284.412	141.998	185.268	2.719	0.18566	2.25116	3	V
K12Q55C	18.5	0.15	K221L	183.446	354.381	338.753	2.222	0.22061	2.42180	5	V
K12S52V	18.9	0.15	K221L	238.883	24.020	328.113	4.861	0.24278	2.31324	4	V
K12TY9Z	19.2	0.15	K221L	185.030	242.800	118.132	1.848	0.27118	2.41730	2	V
K12Tc8A	18.3	0.15	K221L	216.336	216.803	96.182	2.907	0.17874	2.42890	3	V
K12Tc8B	17.2	0.15	K221L	308.463	91.989	205.970	12.252	0.15297	3.12201	2	V
K12Tc8C	18.4	0.15	K221L	180.362	126.714	220.754	10.609	0.14636	2.45044	2	V
K12U06N	18.7	0.15	K221L	228.611	270.203	50.920	6.488	0.20497	2.39691	3	V
K12U06O	18.5	0.15	K221L	226.422	133.012	161.645	3.057	0.16215	2.44100	5	V
K12U06P	16.6	0.15	K221L	265.335	298.932	43.199	27.240	0.25737	3.19262	3	V
K12VE1F	18.6	0.15	K221L	215.523	317.158	21.607	2.636	0.22725	2.39284	3	V
K12W45A	17.4	0.15	K221L	205.674	137.192	321.590	2.840	0.04977	3.12403	5	V
K12XF6S	17.1	0.15	K221L	0.214	206.012	278.035	18.111	0.25653	2.69056	6	X
K13AK7T	14.7	0.15	K221L	311.333	159.058	294.028	4.761	0.05977	5.18795	3	V
K13B76O	20.5	0.15	K221L	312.774	4.470	242.623	1.939	0.51957	1.70309	4	X
K13D16J	16.9	0.15	K221L	332.411	106.227	121.838	12.309	0.25938	2.64878	8	X
K13H13Q	16.9	0.15	K221L	25.153	62.277	69.914	25.286	0.16740	2.75193	8	X
K13N15T	17.7	0.15	K221L	15.157	2.727	273.753	8.226	0.27047	2.64491	3	V
K13N67O	18.2	0.15	K221L	221.426	225.588	335.478	2.672	0.11826	2.36047	7	V
K13O18J	19.4	0.15	K221L	231.337	20.148	268.141	7.235	0.14009	2.21385	3	V
K13RG3B	17.8	0.15	K221L	141.196	160.222	136.723	3.970	0.17504	2.37744	8	V
K13RG3C	18.1	0.15	K221L	132.202	324.397	342.608	4.603	0.23375	2.39296	5	V
K13T37F	17.7	0.15	K221L	83.190	32.879	196.215	5.541	0.07828	2.74295	5	V
K13TN6B	17.5	0.15	K221L	346.176	116.039	232.032	10.698	0.11355	2.69050	4	V
K13V77Y	18.3	0.15	K221L	281.013	60.841	9.933	11.953	0.32311	2.74772	2	V
K13V77Z	17.6	0.15	K221L	13.486	243.899	51.868	4.092	0.07632	2.77091	2	V
K13WE1P	16.8	0.15	K221L	300.854	311.258	29.339	9.562	0.10828	2.93558	5	V
K13X02Q	16.9	0.15	K221L	34.850	299.677	186.269	22.594	0.28402	2.37529	9	X
K13Y27X	18.7	0.15	K221L	90.027	167.696	285.649	4.565	0.22900	2.35610	3	X
K14B88W	17.0	0.15	K221L	146.405	84.288	64.656	12.010	0.14540	3.12473	6	V
K14D50G	18.0	0.15	K221L	3.824	359.749	133.927	5.003	0.06412	2.56691	4	V
K14D87B	16.8	0.15	K221L	317.412	90.982	161.993	13.525	0.14296	2.42730	10	X
K14DJ4W	17.3	0.15	K221L	245.526	5.651	81.494	1.042	0.03519	3.01072	7	V
K14DJ4X	16.7	0.15	K221L	68.501	279.144	313.442	4.574	0.10119	3.17365	3	V
K14E60R	14.7	0.15	K221L	339.161	154.173	276.491	6.135	0.10941	5.06292	2	V
K14E92X	15.1	0.15	K221L	312.021	200.146	248.077	3.511	0.07038	5.18545	3	V
K14EC2G	14.8	0.15	K221L	329.213	152.884	285.755	6.884	0.02558	5.22881	7	V
K14EE9D	17.1	0.15	K221L	108.700	264.561	284.725	8.048	0.02410	3.17965	3	V
K14EF6C	15.2	0.15	K221L	249.079	177.443	335.200	11.658	0.08780	5.25793	3	V
K14EH4K	17.0	0.15	K221L	24.092	10.896	270.951	8.189	0.03887	3.16633	6	V
K14EK6A	18.1	0.15	K221L	41.129	124.927	268.404	6.928	0.13726	2.68374	4	V
K14G11A	18.0	0.15	K221L	289.268	256.819	311.854	2.211	0.12280	2.61304	7	V
K14J81F	18.0	0.15	K221L	228.525	214.934	89.671	24.173	0.05212	1.96883	4	X

K14K77V	16.9	0.15	K221L	346.478	46.466	165.049	12.379	0.22227	2.54340	11	X
K14K81V	18.5	0.15	K221L	50.174	15.858	91.121	24.272	0.06152	1.94584	5	X
K14K94E	16.6	0.15	K221L	315.278	132.502	75.779	12.676	0.23949	2.61608	11	X
K14M34H	18.2	0.15	K221L	290.527	325.416	271.902	4.466	0.20854	2.64112	3	V
K14M35Z	17.6	0.15	K221L	315.581	108.541	94.229	13.899	0.21264	2.64079	5	X
K14N37Y	18.0	0.15	K221L	294.366	4.752	298.908	4.675	0.28486	2.59402	7	X
K14OU7U	18.0	0.15	K221L	188.725	56.079	328.914	4.880	0.07433	2.64888	8	X
K14W83J	18.7	0.15	K221L	17.552	221.434	215.603	6.004	0.05992	2.26357	4	V
K14Wb3A	17.1	0.15	K221L	119.084	149.618	266.446	9.517	0.06334	3.09594	6	V
K14Wz2W	18.5	0.15	K221L	181.616	178.236	320.264	3.652	0.16141	2.64874	3	V
K14X24U	19.2	0.15	K221L	44.399	320.481	119.996	3.500	0.14236	2.23427	4	V
K15A59T	18.2	0.15	K221L	131.104	321.456	195.683	1.180	0.03521	2.81571	4	V
K15A98W	17.2	0.15	K221L	30.912	130.165	70.903	1.926	0.11616	3.10065	4	V
K15AE1W	17.4	0.15	K221L	38.975	78.085	100.225	4.868	0.08692	3.15438	2	V
K15AU6M	17.6	0.15	K221L	55.400	121.087	40.627	15.435	0.15353	3.12350	3	V
K15Bb1Q	17.1	0.15	K221L	185.317	52.279	61.444	5.384	0.00892	2.78141	7	V
K15DI3S	16.6	0.15	K221L	207.459	358.848	35.261	12.824	0.11791	3.09213	2	V
K15DJ3O	17.5	0.15	K221L	321.416	340.458	34.871	12.088	0.07058	2.65631	6	V
K15F05W	16.4	0.15	K221L	220.720	330.798	31.502	18.758	0.07892	3.08437	9	X
K15FH1P	18.8	0.15	K221L	2.239	75.880	72.373	6.034	0.05450	2.35756	3	V
K15FN5C	18.9	0.15	K221L	16.996	78.757	40.590	5.430	0.11045	2.35012	2	V
K15FZ6O	17.3	0.15	K221L	26.637	263.871	14.773	12.954	0.27060	3.18044	2	V
K15Fj7V	16.9	0.15	K221L	114.503	146.000	24.894	9.390	0.02580	3.13008	6	V
K15Fj8M	19.1	0.15	K221L	352.801	125.429	32.902	3.152	0.15289	2.35055	3	V
K15Fj8U	19.1	0.15	K221L	278.903	100.365	174.661	2.548	0.19159	2.32505	3	V
K15Fj8V	18.5	0.15	K221L	257.921	253.702	256.456	2.242	0.13069	2.59646	2	V
K15Fj8W	18.2	0.15	K221L	254.845	141.723	9.925	3.044	0.12605	2.63719	5	V
K15Fj8X	18.2	0.15	K221L	308.746	123.806	327.455	5.590	0.10028	2.64785	3	V
K15G69N	18.4	0.15	K221L	255.621	29.863	233.498	4.887	0.10119	2.36615	5	V
K15G69P	17.4	0.15	K221L	38.145	32.240	7.487	14.221	0.16375	2.53307	5	V
K15G70E	19.2	0.15	K221L	335.776	277.141	4.345	5.470	0.23739	2.19755	4	V
K15G70G	19.6	0.15	K221L	330.307	285.421	262.053	1.666	0.13025	2.34135	2	V
K15G70H	14.5	0.15	K221L	302.284	256.225	208.315	13.427	0.04953	5.27061	6	V
K15G70J	18.7	0.15	K221L	99.252	84.154	288.698	0.850	0.10646	2.56064	3	V
K15G70K	16.9	0.15	K221L	182.662	200.565	221.845	3.084	0.06725	3.49889	5	V
K15G70L	19.0	0.15	K221L	285.826	194.346	41.191	1.399	0.10310	2.37104	3	V
K15G70M	19.3	0.15	K221L	299.311	219.530	62.410	4.908	0.17372	2.26269	2	V
K15HC2H	19.2	0.15	K221L	323.204	46.733	140.509	1.976	0.12706	2.37922	2	V
K15HM8H	18.4	0.15	K221L	102.018	187.274	205.325	14.126	0.00331	2.41607	5	V
K15HN1X	18.1	0.15	K221L	197.692	64.652	260.227	5.817	0.12524	2.37914	7	V
K15HN1Y	18.9	0.15	K221L	295.602	213.537	52.582	3.589	0.14087	2.31842	2	V
K15HN1Z	17.9	0.15	K221L	245.193	334.926	188.707	3.895	0.14508	2.67772	4	V
K15HN2A	17.0	0.15	K221L	27.705	202.035	69.685	9.403	0.12087	3.21695	3	V
K15HN2B	17.2	0.15	K221L	96.039	20.825	198.683	5.219	0.07328	3.09622	3	V
K15HN2C	18.5	0.15	K221L	188.676	139.664	133.476	2.593	0.17627	2.59542	3	V
K15HN2D	17.1	0.15	K221L	36.450	157.262	99.045	4.248	0.07169	3.21914	4	V
K15HN2E	18.9	0.15	K221L	269.530	142.971	116.960	3.204	0.17046	2.40449	3	V
K15HN2F	18.8	0.15	K221L	343.931	24.260	138.711	2.884	0.15508	2.39956	3	V
K15HN2G	18.0	0.15	K221L	204.946	126.330	76.691	6.364	0.01794	2.72066	3	V
K15HN2H	15.8	0.15	K221L	318.014	128.703	309.415	5.982	0.13287	5.18308	4	V
K15HN2J	18.0	0.15	K221L	280.005	27.791	152.623	3.642	0.01854	2.56480	5	V
K15HN2K	17.9	0.15	K221L	313.641	217.428	219.423	12.169	0.06793	2.68524	5	V
K15HN2L	17.8	0.15	K221L	253.283	15.620	45.022	2.577	0.08003	2.96882	4	V
K15HN2M	18.9	0.15	K221L	274.603	176.370	91.706	3.768	0.14420	2.37259	2	V
K15HN2N	16.9	0.15	K221L	36.874	108.148	145.040	2.576	0.11520	3.22831	4	V
K15HN2O	18.5	0.15	K221L	193.189	286.310	347.004	8.434	0.12172	2.52564	3	V
K15HN2P	17.0	0.15	K221L	161.316	72.771	61.345	11.948	0.14918	3.09178	5	V
K15HN2Q	19.1	0.15	K221L	355.195	18.962	129.523	0.876	0.15813	2.36172	3	V
K15HN2R	18.8	0.15	K221L	317.696	351.420	316.344	3.546	0.13320	2.16857	4	V
K15HN2S	18.5	0.15	K221L	124.298	123.680	87.560	0.759	0.12683	2.92358	2	V
K15HN2T	18.1	0.15	K221L	299.337	354.060	264.198	6.464	0.09116	2.32822	4	V
K15HN2U	19.1	0.15	K221L	161.050	77.881	311.178	5.785	0.10579	2.28524	4	V
K15HN2V	18.5	0.15	K221L	206.691	260.330	350.791	10.641	0.09111	2.53797	2	V
K15HN2W	18.3	0.15	K221L	169.223	137.621	140.047	3.304	0.09111	2.62519	3	V
K15HN2X	19.8	0.15	K221L	279.518	31.912	253.235	1.355	0.18771	2.30735	2	V
K15J27M	17.0	0.15	K221L	43.037	32.540	241.899	3.535	0.07733	3.11825	7	V
K15J27N	18.0	0.15	K221L	135.413	241.200	66.304	12.251	0.17316	2.66885	4	V
K15J27O	18.8	0.15	K221L	332.936	158.300	44.448	8.592	0.14963	2.34818	4	V
K15J27P	18.8	0.15	K221L	224.858	304.854	303.548	1.924	0.17181	2.53737	3	V
K15J27Q	19.0	0.15	K221L	291.241	167.052	48.993	3.601	0.13912	2.42191	2	V
K15J27R	17.1	0.15	K221L	179.901	87.082	58.730	12.661	0.04628	3.02183	3	V
K15J27S	19.8	0.15	K221L	270.450	118.510	54.715	27.148	0.04322	1.88555	2	V
K15J27T	18.0	0.15	K221L	214.469	112.813	57.585	13.840	0.10055	2.76119	4	V
K15J27U	16.8	0.15	K221L	147.810	296.136	236.550	20.854	0.03660	3.07766	4	V
K15J27V	17.9	0.15	K221L	171.812	46.290	209.645	3.355	0.06899	2.66814	5	V
K15J27W	17.4	0.15	K221L	130.380	323.523	234.946	8.461	0.18240	3.00342	2	V
K15J27X	17.3	0.15	K221L	138.166	36.519	137.081	2.191	0.08878	3.07148	4	V
K15J27Y	18.7	0.15	K221L	319.665	173.654	47.686	2.960	0.14098	2.33965	4	V
K15J27Z	19.2	0.15	K221L	232.875	175.144	41.364	14.348	0.18985	2.57537	2	V
K15K48R	18.9	0.15	K221L	326.769	22.604	158.965	2.818	0.17057	2.41531	4	V
K15K98K	16.9	0.15	K221L	3.379	258.212	83.602	16.808	0.16256	3.08456	3	V
K15KB5M	19.1	0.15	K221L	192.715	113.620	160.487	3.554	0.18951	2.59597	2	V
K15KD5W	18.5	0.15	K221L	266.231	271.514	330.735	0.493	0.14617	2.43659	4	V
K15KE0V	18.9	0.15	K221L	311.696	37.549	162.027	1.473	0.13555	2.41055	3	V
K15KK7D	18.0	0.15	K221L	69.968	262.900	81.607	6.557	0.12308	2.78154	5	V
K15KK9Z	18.2	0.15	K221L	214.469	203.298	42.951	14.869	0.06132	2.56752	3	V
K15KL0A	19.8	0.15	K221L	214.107	212.146	112.172	2.410	0.19636	2.43583	3	V
K15KL0B	19.1	0.15	K221L	353.631	60.887	107.313	2.279	0.13220	2.38168	5	V
K15KL0C	17.6	0.15	K221L	220.004	156.416	19.179	8.968	0.06683	2.73988	6	V
K15KL0D	17.7	0.15	K221L	97.245	47.436	282.420	4.606	0.03583	2.68974	5	V
K15KL0E	17.9	0.15	K221L	138.271	102.769	185.412	2.798	0.03745	2.70967	5	V
K15KL0F	18.6	0.15	K221L	218.930	253.016	66.429	3.432	0.10133	2.39307	4	V
K15KL0G	16.7	0.15	K221L	293.804	309.303	71.943	10.052	0.05579	3.17236	6	V

K15KL00	18.0	0.15	K221L	234.031	36.541	255.127	5.488	0.12025	2.42106	6	V
K15KL0J	18.2	0.15	K221L	93.088	112.720	257.876	8.520	0.14127	2.60335	4	V
K15KL0K	17.4	0.15	K221L	45.893	41.571	302.799	4.693	0.04894	2.80780	4	V
K15KL0L	16.7	0.15	K221L	51.996	195.960	40.600	10.751	0.06388	3.23401	4	V
K15KL0M	16.8	0.15	K221L	78.248	228.567	16.083	8.843	0.09322	3.09026	8	V
K15KL0N	18.8	0.15	K221L	53.025	121.708	330.691	1.965	0.14702	2.42270	6	V
K15KL0O	17.6	0.15	K221L	177.957	5.943	243.985	13.476	0.07219	2.67274	4	V
K15KL0P	18.8	0.15	K221L	357.705	281.677	319.882	4.444	0.11784	2.23234	5	V
K15KL0Q	16.5	0.15	K221L	110.411	275.186	261.507	8.779	0.04098	3.21935	4	V
K15KL0R	17.4	0.15	K221L	30.436	236.492	64.270	1.922	0.15813	3.09727	4	V
K15KL0S	18.3	0.15	K221L	217.898	331.108	64.184	9.583	0.04895	2.20842	5	V
K15KL0T	18.9	0.15	K221L	178.159	100.956	204.591	4.132	0.22356	2.56595	2	V
K15KL0U	17.7	0.15	K221L	349.907	351.744	1.402	2.616	0.07258	3.01113	6	V
K15KL0V	17.4	0.15	K221L	46.581	150.513	138.295	0.232	0.14608	3.07345	4	V
K15KL0W	16.7	0.15	K221L	118.752	297.130	263.208	9.403	0.07488	3.07150	4	V
K15KL0X	18.9	0.15	K221L	12.100	147.202	238.364	19.841	0.10558	1.96399	3	V
K15KL0Y	17.6	0.15	K221L	30.829	78.398	244.438	16.098	0.24844	3.08242	3	V
K15KL0Z	17.8	0.15	K221L	89.981	5.011	225.969	7.573	0.14379	3.05608	3	V
K15KL1A	17.4	0.15	K221L	65.160	219.535	77.280	8.787	0.08582	2.96988	4	V
K15KL1B	19.2	0.15	K221L	285.357	291.474	5.302	2.608	0.22354	2.31433	3	V
K15KL1C	17.1	0.15	K221L	27.774	93.405	185.029	0.660	0.14260	3.20755	4	V
K15KL1D	19.0	0.15	K221L	298.238	85.441	146.513	1.827	0.14161	2.38145	4	V
K15KL1E	18.8	0.15	K221L	320.788	211.042	76.518	5.928	0.08155	2.22532	4	V
K15KL1F	17.8	0.15	K221L	186.090	119.529	97.245	4.499	0.04120	2.77004	4	V
K15KL1G	16.9	0.15	K221L	2.110	238.920	78.286	12.070	0.09109	3.17355	3	V
K15KL1H	17.5	0.15	K221L	112.947	277.914	251.520	8.349	0.16829	3.16456	2	V
K15KL1J	19.0	0.15	K221L	340.329	118.323	104.728	2.580	0.14037	2.30987	4	V
K15KL1K	16.9	0.15	K221L	0.600	249.884	51.065	9.443	0.08486	3.19274	4	V
K15KL1L	19.2	0.15	K221L	64.129	59.426	63.237	5.963	0.17645	2.29892	5	V
K15KL1M	17.6	0.15	K221L	308.013	350.901	71.262	5.300	0.07054	2.83867	3	V
K15KL1N	17.2	0.15	K221L	349.658	119.991	232.158	25.169	0.16074	3.03777	4	V
K15KL1O	17.8	0.15	K221L	116.681	194.803	97.823	3.901	0.16665	2.78251	5	V
K15KL1P	17.5	0.15	K221L	49.131	237.186	34.711	6.518	0.07753	3.07935	4	V
K15KL1Q	17.9	0.15	K221L	247.080	307.845	214.350	3.817	0.13144	2.66838	5	V
K15KL1R	18.2	0.15	K221L	187.589	286.054	68.077	8.229	0.08243	2.36725	4	V
K15KL1S	18.5	0.15	K221L	78.125	355.828	89.357	2.384	0.15654	2.37203	5	V
K15KL1T	19.1	0.15	K221L	19.636	147.555	63.727	4.561	0.04369	2.24342	3	V
K15KL1U	17.1	0.15	K221L	42.013	27.811	249.486	9.716	0.03836	3.09119	4	V
K15KL1V	17.3	0.15	K221L	170.230	179.289	35.123	1.545	0.10748	3.23500	6	V
K15KL1W	18.8	0.15	K221L	267.179	182.237	60.048	2.278	0.14792	2.44017	4	V
K15KL1X	17.2	0.15	K221L	49.463	38.676	219.449	0.201	0.14478	3.16504	4	V
K15KL1Y	19.0	0.15	K221L	300.965	61.770	200.264	1.004	0.17181	2.33333	4	V
K15KL1Z	17.6	0.15	K221L	71.516	137.409	156.305	2.391	0.03669	2.94038	4	V
K15KL2A	19.8	0.15	K221L	46.275	157.425	75.142	3.973	0.14089	2.15508	4	V
K15KL2B	17.9	0.15	K221L	60.445	57.779	319.314	6.096	0.14288	2.67469	5	V
K15KL2C	17.5	0.15	K221L	171.352	84.177	116.355	3.128	0.00651	2.86511	4	V
K15KL2D	17.4	0.15	K221L	182.595	192.378	309.843	3.525	0.05754	3.04183	3	V
K15KL2E	18.0	0.15	K221L	287.370	235.611	256.700	11.947	0.13950	2.65167	5	V
K15KL2F	18.3	0.15	K221L	322.433	59.276	54.077	31.119	0.26078	2.57452	4	V
K15KL2G	18.9	0.15	K221L	281.228	240.881	55.844	6.559	0.16297	2.30730	2	V
K15KL2H	17.8	0.15	K221L	107.113	128.039	158.063	3.063	0.03305	2.80485	3	V
K15KL2J	17.2	0.15	K221L	106.735	165.717	68.212	11.645	0.00684	2.98166	4	V
K15KL2K	17.7	0.15	K221L	356.641	300.132	58.278	10.375	0.08569	2.94034	4	V
K15KL2L	17.4	0.15	K221L	108.516	335.506	311.782	4.653	0.02781	2.80494	5	V
K15KL2M	19.1	0.15	K221L	225.439	84.133	277.125	7.759	0.19842	2.30611	3	V
K15KL2N	18.1	0.15	K221L	188.009	17.641	226.389	13.867	0.21402	2.66765	3	V
K15KL2O	18.1	0.15	K221L	138.574	203.676	64.619	5.816	0.12161	2.76033	2	V
K15KL2P	17.8	0.15	K221L	16.903	183.163	145.121	1.584	0.19287	3.10484	3	V
K15KL2Q	19.2	0.15	K221L	1.345	251.183	319.381	5.204	0.14125	2.26852	2	V
K15KL2R	19.2	0.15	K221L	25.611	286.749	236.777	5.218	0.10333	2.30429	2	V
K15KL2S	15.1	0.15	K221L	331.648	103.580	4.472	7.857	0.10026	5.14411	5	V
K15KL2T	18.8	0.15	K221L	330.410	88.052	107.366	2.454	0.13091	2.38173	4	V
K15KL2U	19.0	0.15	K221L	344.998	167.577	19.732	1.657	0.13024	2.34860	4	V
K15KL2V	19.4	0.15	K221L	167.517	55.617	36.745	5.104	0.09661	2.16915	4	V
K15KL2W	19.0	0.15	K221L	117.685	241.429	82.053	9.606	0.20782	2.72523	2	V
K15KL2X	19.5	0.15	K221L	229.317	170.368	50.238	23.077	0.02262	1.88076	4	V
K15KL2Y	19.3	0.15	K221L	273.598	338.378	307.367	5.022	0.22386	2.35203	3	V
K15KL2Z	18.4	0.15	K221L	235.560	298.268	7.653	6.979	0.12835	2.38565	4	V
K15KL3A	19.3	0.15	K221L	276.536	126.346	43.463	14.239	0.19140	2.55404	2	V
K15KL3B	18.4	0.15	K221L	343.214	10.925	49.958	22.298	0.11497	1.94635	3	V
K15KL3C	17.7	0.15	K221L	107.915	111.911	186.374	4.534	0.10042	2.78856	3	V
K15KL3D	19.6	0.15	K221L	94.702	76.468	80.767	2.411	0.11635	2.18844	3	V
K15KL3E	18.5	0.15	K221L	344.951	144.529	49.359	4.391	0.13384	2.34941	4	V
K15KL3F	18.9	0.15	K221L	278.046	42.811	264.115	6.090	0.13015	2.29144	2	V
K15KL3G	19.4	0.15	K221L	253.840	284.467	49.614	22.436	0.29796	2.33157	3	V
K15KL3H	19.8	0.15	K221L	127.693	74.457	238.759	17.907	0.06707	1.90108	2	V
K15KL3J	18.2	0.15	K221L	100.693	77.662	228.473	8.711	0.02717	2.75094	4	V
K15KL3K	19.0	0.15	K221L	41.909	323.931	199.488	4.047	0.13932	2.26663	3	V
K15KL3L	18.3	0.15	K221L	114.897	43.659	207.006	6.138	0.17261	2.90362	2	V
K15KL3M	18.0	0.15	K221L	115.175	274.070	65.637	13.166	0.28681	2.69084	3	V
K15KL3N	19.2	0.15	K221L	248.062	203.783	343.467	1.809	0.13496	2.60347	2	V
K15KL3O	18.7	0.15	K221L	136.882	294.410	70.553	8.345	0.30720	2.54841	2	V
K15KL3P	18.3	0.15	K221L	90.998	317.924	31.429	4.486	0.02632	2.61849	3	V
K15KL3Q	17.5	0.15	K221L	16.185	55.547	267.738	10.424	0.13169	3.05414	4	V
K15KL3R	19.6	0.15	K221L	290.050	248.437	61.518	6.831	0.24725	2.27318	3	V
K15KL3S	17.9	0.15	K221L	284.247	90.559	52.841	11.635	0.11795	2.61439	2	V
K15KL3T	18.9	0.15	K221L	146.463	25.187	31.568	2.626	0.12980	2.29278	3	V
K15KL3U	17.3	0.15	K221L	108.322	320.289	244.227	8.907	0.05558	3.08737	4	V
K15KL3V	17.9	0.15	K221L	62.434	321.168	325.196	4.526	0.28757	3.06655	3	V
K15KL3W	19.4	0.15	K221L	255.361	12.584	303.459	3.593	0.16562	2.32396	2	V
K15KL3X	17.6	0.15	K221L	121.446	283.448	285.760	0.338	0.12818	3.02723	4	V
K15KL3Y	18.8	0.15	K221L	329.296	285.215	257.797	9.787	0.19172	2.38718	2	V
K15KL3Z	18.5	0.15	K221L	144.541	74.094	228.936	5.218	0.10675	2.66019	4	V

K15KL4A	17.9	0.15	K221L	37.770	215.892	92.224	2.111	0.17463	3.08411	2 V
K15KL4B	19.8	0.15	K221L	249.297	50.855	316.653	4.857	0.18524	2.22552	3 V
K15KL4C	19.9	0.15	K221L	3.041	65.616	155.011	3.396	0.16275	2.25671	2 V
K15KL4D	19.0	0.15	K221L	218.381	191.465	22.613	2.090	0.13618	2.63848	2 V
K15KL4E	19.4	0.15	K221L	246.806	85.440	203.393	0.782	0.19967	2.41996	2 V
K15KL4F	19.7	0.15	K221L	239.508	71.606	260.508	4.322	0.13039	2.31995	2 V
K15KL4G	19.1	0.15	K221L	58.896	340.847	195.614	3.055	0.08065	2.22445	4 V
K15KL4H	19.1	0.15	K221L	334.741	354.630	318.739	1.307	0.16772	2.17068	3 V
K15KL4J	19.3	0.15	K221L	130.627	123.943	329.006	5.034	0.10364	2.25382	4 V
K15KL4K	20.0	0.15	K221L	251.040	140.681	178.264	2.493	0.17337	2.34448	2 V
K15KL4L	18.1	0.15	K221L	71.602	348.172	242.753	7.724	0.11114	3.17258	2 V
K15KL4M	19.3	0.15	K221L	9.816	161.610	325.835	1.279	0.07997	2.43391	2 V
K15KL4N	18.6	0.15	K221L	239.943	147.550	58.605	29.559	0.16507	2.59943	2 V
K15KL4O	19.2	0.15	K221L	295.137	16.327	191.832	2.230	0.14648	2.43640	2 V
K15KL4P	19.4	0.15	K221L	254.134	248.642	103.966	5.074	0.14605	2.25833	2 V
K15KL4Q	19.7	0.15	K221L	260.046	256.950	29.929	1.892	0.16093	2.36865	2 V
K15KL4R	19.0	0.15	K221L	229.609	119.883	128.779	4.758	0.09233	2.54073	2 V
K15L59C	18.9	0.15	K221L	310.244	32.568	281.215	3.644	0.14894	2.21325	5 V
K15L59D	18.1	0.15	K221L	256.506	30.899	278.015	3.626	0.10778	2.32945	5 V
K15L59E	18.5	0.15	K221L	347.347	92.116	77.225	3.116	0.14092	2.39069	7 V
K15L59F	17.8	0.15	K221L	135.080	312.467	244.775	3.579	0.17062	2.98407	3 V
K15L59G	17.6	0.15	K221L	254.251	316.984	277.875	10.238	0.14445	2.47910	6 V
K15L59H	16.9	0.15	K221L	39.476	48.578	212.297	8.391	0.08997	3.21551	5 V
K15L59J	19.3	0.15	K221L	356.875	179.799	61.795	5.496	0.08082	2.23265	5 V
K15L59K	18.1	0.15	K221L	237.577	160.320	63.247	15.631	0.10162	2.56341	2 V
K15L59L	19.1	0.15	K221L	328.177	7.008	271.946	3.507	0.14695	2.23757	3 V
K15L59M	17.1	0.15	K221L	143.425	276.179	262.067	7.304	0.07098	3.06249	3 V
K15L59N	19.0	0.15	K221L	17.402	126.199	23.602	6.935	0.12068	2.35041	3 V
K15L59O	17.4	0.15	K221L	220.791	287.808	234.844	6.704	0.16466	2.75582	4 V
K15L59P	17.1	0.15	K221L	156.992	286.375	220.995	9.168	0.03474	3.11691	3 V
K15L59Q	17.1	0.15	K221L	137.351	296.729	236.019	10.877	0.09149	3.09158	4 V
K15L59R	19.1	0.15	K221L	346.674	189.770	75.742	6.162	0.06557	2.21723	4 V
K15L59S	18.9	0.15	K221L	336.376	159.909	40.942	5.318	0.12365	2.35090	4 V
K15L59T	19.0	0.15	K221L	38.932	116.293	78.417	5.513	0.12941	2.23249	3 V
K15L59U	18.4	0.15	K221L	130.820	205.572	88.036	4.581	0.17684	2.74256	3 V
K15L59V	19.3	0.15	K221L	229.424	237.264	79.585	3.513	0.19011	2.39990	2 V
K15L59W	18.1	0.15	K221L	111.643	330.953	234.617	15.369	0.20540	3.07564	2 V
K15L59X	18.3	0.15	K221L	101.280	55.378	223.635	5.642	0.20005	2.90835	2 V
K15M24H	18.7	0.15	K221L	225.041	283.292	39.399	1.932	0.20256	2.39097	4 V
K15M26K	18.8	0.15	K221L	267.914	326.407	325.084	2.989	0.15352	2.34428	4 V
K15M26O	17.8	0.15	K221L	174.382	183.593	28.029	5.589	0.14138	2.78479	4 V
K15M29X	17.8	0.15	K221L	168.084	207.981	49.299	15.327	0.13830	2.68842	3 V
K15MJ6A	17.5	0.15	K221L	164.329	300.883	256.928	13.861	0.09217	2.87389	5 V
K15MJ6B	17.8	0.15	K221L	357.115	47.103	40.734	14.972	0.07390	2.58154	4 V
K15MJ6C	18.4	0.15	K221L	278.388	226.703	17.963	6.928	0.07822	2.40103	3 V
K15MJ6D	17.8	0.15	K221L	52.362	345.230	57.921	15.055	0.05060	2.57936	4 V
K15MJ6E	17.6	0.15	K221L	95.647	188.179	36.106	13.950	0.14787	3.06340	3 V
K15MJ6F	17.1	0.15	K221L	46.173	13.965	252.391	11.955	0.08332	3.12434	3 V
K15MJ6G	18.0	0.15	K221L	215.531	277.166	280.525	4.696	0.05557	2.69832	4 V
K15O78V	18.9	0.15	K221L	2.953	42.469	114.362	23.446	0.07119	1.83737	6 X
K15PL2M	19.2	0.15	K221L	92.787	225.655	179.849	22.828	0.09441	1.90644	3 V
K15VC1D	16.7	0.15	K221L	36.560	338.976	97.392	19.379	0.21508	3.08626	7 X
K15XZ0E	16.9	0.15	K221L	249.071	74.761	255.363	8.852	0.09039	2.60734	10 X
K15Xd0V	16.6	0.15	K221L	357.414	58.800	112.979	28.247	0.22514	3.14348	6 X
K15Y36R	17.6	0.15	K221L	102.266	182.840	282.765	5.537	0.02829	2.72308	5 X
K16A39G	15.8	0.15	K221L	37.652	339.325	109.099	21.606	0.09716	3.17865	12 X
K16Aa1T	17.1	0.15	K221L	319.059	235.536	302.240	17.410	0.12373	3.19895	3 V
K16B68F	16.7	0.15	K221L	324.129	121.662	107.865	27.087	0.24766	3.08524	4 X
K16B84K	17.3	0.15	K221L	39.814	141.157	15.978	10.975	0.17281	3.11675	6 X
K16B86L	16.2	0.15	K221L	37.462	15.253	105.458	29.451	0.22734	3.16834	7 X
K16CH2X	16.6	0.15	K221L	300.534	288.254	298.950	14.492	0.19057	3.17266	3 V
K16CX8H	17.5	0.15	K221L	131.571	159.985	215.237	10.652	0.07723	3.19057	4 V
K16F83X	16.7	0.15	K221L	38.401	298.319	226.977	9.936	0.06480	3.22286	4 V
K16GM0O	17.3	0.15	K221L	330.595	223.856	56.848	19.981	0.58359	3.14699	3 X
K16GV7G	18.2	0.15	K221L	75.535	295.058	335.999	3.688	0.22680	2.67441	6 V
K16GV7H	17.6	0.15	K221L	64.808	41.213	199.556	2.695	0.03269	2.76059	7 V
K16GV7J	18.2	0.15	K221L	135.889	53.387	173.515	5.958	0.08781	2.55100	5 V
K16GV7K	18.5	0.15	K221L	182.667	201.082	47.644	7.443	0.11218	2.35436	4 V
K16GV7L	18.1	0.15	K221L	82.282	189.654	67.196	6.776	0.05576	2.64378	4 V
K16GV7M	17.5	0.15	K221L	8.249	221.979	84.052	4.852	0.05765	2.74627	5 V
K16GV7N	17.5	0.15	K221L	43.215	52.511	229.414	12.695	0.18266	2.76843	5 V
K16GV7O	17.0	0.15	K221L	50.293	323.375	201.729	8.167	0.05321	3.14607	5 V
K16GV7P	17.4	0.15	K221L	19.667	173.510	43.980	11.967	0.09625	3.06053	3 V
K16GV7Q	19.8	0.15	K221L	256.077	95.684	134.312	2.395	0.19068	2.21234	2 V
K16GV7R	17.7	0.15	K221L	207.642	245.833	225.832	5.994	0.08897	2.68863	5 V
K16GV7S	18.2	0.15	K221L	147.350	40.161	237.225	5.833	0.10903	2.40261	5 V
K16GV7T	19.3	0.15	K221L	215.013	16.613	42.891	23.018	0.09772	1.90172	4 V
K16GV7U	16.9	0.15	K221L	243.835	159.192	181.829	9.515	0.07489	3.17139	5 V
K16GV7V	18.8	0.15	K221L	231.605	194.058	1.496	5.809	0.10661	2.33810	5 V
K16GV7W	17.2	0.15	K221L	91.049	90.637	53.402	10.510	0.04195	3.07220	4 V
K16GV7X	17.3	0.15	K221L	131.874	44.466	59.694	9.565	0.04881	3.04367	3 V
K16GV7Y	18.9	0.15	K221L	205.493	169.968	44.861	5.184	0.08649	2.36249	4 V
K16GV7Z	18.3	0.15	K221L	85.992	140.579	130.197	1.961	0.13738	2.59974	4 V
K16GV8A	19.0	0.15	K221L	85.147	44.448	227.212	6.640	0.32644	2.66219	4 V
K16GV8B	18.1	0.15	K221L	111.342	162.698	53.068	5.725	0.08307	2.67096	5 V
K16GV8C	18.3	0.15	K221L	176.943	145.598	46.921	12.731	0.03923	2.51413	3 V
K16GV8D	19.3	0.15	K221L	283.833	53.691	101.686	3.029	0.12782	2.28476	3 V
K16GV8E	19.0	0.15	K221L	316.530	268.510	257.368	3.763	0.09813	2.19676	3 V
K16GV8F	17.7	0.15	K221L	41.428	89.728	177.035	3.967	0.05900	2.76695	4 V
K16GV8G	17.0	0.15	K221L	118.742	36.629	65.858	10.309	0.06932	3.11909	4 V
K16GV8H	16.9	0.15	K221L	315.864	213.238	37.096	21.113	0.07168	3.29731	3 V
K16GV8J	18.9	0.15	K221L	152.325	104.942	43.247	6.017	0.24144	2.68689	2 V
K16GV8K	17.1	0.15	K221L	60.840	37.995	231.710	12.171	0.05748	2.68733	5 V

K16GV8L	18.5	0.15	K221L	155.525	183.963	85.010	4.170	0.10979	2.38712	4	V
K16GV8M	19.0	0.15	K221L	215.334	214.199	55.323	6.029	0.17167	2.23781	4	V
K16GV8N	17.8	0.15	K221L	61.105	173.221	87.459	5.742	0.07936	2.71967	2	V
K16GV8O	18.4	0.15	K221L	95.275	22.114	218.137	4.860	0.16324	2.66427	3	V
K16GV8P	17.2	0.15	K221L	267.912	116.739	193.973	12.396	0.09423	3.21913	3	V
K16GV8Q	17.7	0.15	K221L	43.536	45.876	235.032	8.872	0.17894	2.74510	4	V
K16GV8R	19.0	0.15	K221L	164.752	97.065	176.423	2.050	0.17681	2.36496	4	V
K16GV8S	19.0	0.15	K221L	215.306	152.197	94.483	1.898	0.15134	2.28350	4	V
K16GV8T	17.8	0.15	K221L	108.193	243.268	301.905	3.998	0.09502	2.78374	4	V
K16GV8U	19.3	0.15	K221L	263.451	256.466	301.222	1.513	0.11892	2.25878	4	V
K16GV8V	19.2	0.15	K221L	218.418	242.188	11.278	7.013	0.20353	2.26781	2	V
K16GV8W	17.9	0.15	K221L	46.123	15.083	256.085	3.099	0.03513	2.71987	4	V
K16GV8X	19.4	0.15	K221L	185.537	120.433	187.561	5.377	0.19731	2.24169	3	V
K16GV8Y	18.2	0.15	K221L	114.157	109.238	49.575	8.330	0.12939	2.83428	4	V
K16GV8Z	18.1	0.15	K221L	189.189	43.794	93.719	5.470	0.05291	2.65380	4	V
K16GV9A	19.6	0.15	K221L	249.587	33.727	260.066	4.261	0.23632	2.13135	2	V
K16GV9B	17.9	0.15	K221L	10.572	75.312	240.468	7.654	0.12726	2.61033	6	V
K16H20D	18.7	0.15	K221L	149.566	261.581	12.655	2.721	0.17959	2.41779	3	V
K16H36P	18.6	0.15	K221L	233.271	170.570	76.887	4.844	0.05961	2.22718	6	V
K16H36Q	18.5	0.15	K221L	213.900	50.553	97.646	2.124	0.08708	2.53535	5	V
K16H36R	17.5	0.15	K221L	356.219	264.786	47.147	2.228	0.09561	2.79100	6	V
K16H36S	17.7	0.15	K221L	95.289	191.912	42.570	14.868	0.04822	2.67870	4	V
K16H36T	17.8	0.15	K221L	349.699	88.264	199.146	3.548	0.25554	3.02692	3	V
K16H36U	18.4	0.15	K221L	111.800	22.940	216.705	2.245	0.08200	2.61427	4	V
K16H36V	19.4	0.15	K221L	131.666	58.055	173.118	1.071	0.21607	2.57533	3	V
K16H36W	19.5	0.15	K221L	230.024	228.361	31.900	5.334	0.12032	2.22065	2	V
K16H36X	17.8	0.15	K221L	310.241	273.432	43.542	16.589	0.31238	3.13069	3	V
K16H36Y	19.1	0.15	K221L	183.416	256.752	71.492	4.197	0.14491	2.18788	5	V
K16H36Z	19.0	0.15	K221L	314.890	128.835	210.562	21.505	0.06537	1.88932	4	V
K16H37A	17.8	0.15	K221L	357.354	242.180	76.686	5.061	0.09600	2.76978	3	V
K16H37B	18.7	0.15	K221L	156.600	130.584	38.382	32.873	0.28606	2.61740	2	V
K16J56Q	18.0	0.15	K221L	274.931	1.418	82.751	3.555	0.01833	2.55030	6	V
K16J56R	18.4	0.15	K221L	81.552	303.218	11.987	3.639	0.26164	2.54597	5	V
K16J56S	18.9	0.15	K221L	229.835	338.155	248.335	4.543	0.12105	2.29221	5	V
K16J56T	16.7	0.15	K221L	327.029	44.137	219.756	16.564	0.08048	3.16591	6	V
K16J56U	17.2	0.15	K221L	304.802	269.558	37.915	26.170	0.29622	3.19223	2	V
K16J56V	18.5	0.15	K221L	119.185	315.054	274.126	4.250	0.11753	2.63615	5	V
K16J56W	18.5	0.15	K221L	88.955	2.334	258.384	4.366	0.23372	2.65703	2	V
K16J56X	18.8	0.15	K221L	355.308	22.257	336.665	4.819	0.03494	2.58752	4	V
K16J56Y	20.4	0.15	K221L	47.157	237.131	40.227	22.360	0.04607	1.84465	2	V
K16J56Z	19.3	0.15	K221L	304.879	94.529	4.359	2.242	0.15009	2.38533	4	V
K16J57A	17.6	0.15	K221L	243.406	302.190	63.223	2.073	0.16127	3.10307	4	V
K16J57B	18.9	0.15	K221L	170.160	242.842	283.766	3.199	0.19631	2.59533	2	V
K16J57C	19.7	0.15	K221L	167.494	152.105	130.751	2.842	0.19858	2.33634	2	V
K16J57D	19.0	0.15	K221L	183.821	275.486	257.059	5.375	0.18772	2.53348	2	V
K16L98F	16.6	0.15	K221L	319.952	92.513	254.778	20.771	0.04398	3.16891	4	V
K16N89A	17.4	0.15	K221L	313.063	81.511	292.942	2.011	0.13316	3.13211	4	V
K16NG6W	17.7	0.15	K221L	125.999	304.969	310.483	3.763	0.01796	2.75924	6	V
K16NG6X	17.9	0.15	K221L	88.686	356.366	326.307	2.580	0.08975	2.74293	4	V
K16NG6Y	17.0	0.15	K221L	349.687	174.692	135.182	3.401	0.02896	3.18363	4	V
K16NG6Z	18.1	0.15	K221L	67.193	95.100	290.143	4.535	0.13903	2.51850	4	V
K16PJ8H	17.0	0.15	K221L	335.049	278.718	83.905	12.633	0.19473	3.13859	3	V
K16PN4E	18.3	0.15	K221L	57.603	358.331	327.293	8.779	0.16837	2.80819	3	V
K16PO5P	17.6	0.15	K221L	86.072	293.258	19.062	5.781	0.05250	2.78733	7	V
K16PO5Q	17.4	0.15	K221L	310.921	23.389	39.173	7.905	0.03664	2.87159	5	V
K16PO5R	16.9	0.15	K221L	2.449	240.776	64.219	12.903	0.08552	3.21456	4	V
K16PO5S	17.7	0.15	K221L	41.272	249.149	56.860	10.295	0.11750	2.98907	3	V
K16PO5T	17.1	0.15	K221L	354.072	279.650	34.871	16.892	0.12523	3.19252	3	V
K16PO5U	17.2	0.15	K221L	354.144	281.153	41.571	17.297	0.15712	3.19937	2	V
K16QE4R	17.0	0.15	K221L	25.710	250.870	69.483	11.285	0.09754	3.00865	6	V
K16QE4S	17.9	0.15	K221L	73.323	271.086	87.262	7.207	0.05851	2.69871	6	V
K16QE4T	18.2	0.15	K221L	53.736	166.343	237.916	6.350	0.09863	2.58274	4	V
K16R73K	16.8	0.15	K221L	2.098	76.222	259.128	14.321	0.26780	3.13995	2	V
K16R89W	17.4	0.15	K221L	31.992	359.250	324.157	3.933	0.20126	3.03697	4	V
K16R89X	18.6	0.15	K221L	95.828	168.459	190.296	3.949	0.13303	2.63384	3	V
K16S32D	18.6	0.15	K221L	95.644	312.756	40.798	13.711	0.19779	2.66696	3	V
K16SB5Y	17.7	0.15	K221L	85.517	291.899	42.871	20.789	0.23817	2.77228	2	V
K16T27J	16.8	0.15	K221L	6.698	91.518	250.323	24.393	0.23639	3.10163	2	V
K16TA2H	18.7	0.15	K221L	282.490	31.217	276.781	4.336	0.27275	2.17207	4	X
K16TJ3V	17.9	0.15	K221L	333.919	22.516	333.862	5.518	0.29221	3.21185	2	V
K16U02B	18.0	0.15	K221L	71.217	325.813	39.706	17.886	0.25876	2.71782	2	V
K16U87Z	18.5	0.15	K221L	220.062	280.152	24.795	6.743	0.11026	2.41412	3	V
K16UC7N	19.3	0.15	K221L	194.999	203.921	226.921	3.130	0.05129	2.16800	5	V
K16UF2T	18.4	0.15	K221L	101.024	323.543	40.139	14.490	0.27779	2.64098	2	V
K16UM6Q	19.5	0.15	K221L	151.546	320.674	8.925	2.944	0.16359	2.55926	2	V
K16U00T	18.7	0.15	K221L	175.965	220.609	70.092	2.845	0.19212	2.59382	2	V
K16US2T	18.5	0.15	K221L	173.283	323.810	41.123	5.713	0.16846	2.41206	3	V
K16US2U	18.7	0.15	K221L	73.174	244.896	282.542	5.348	0.02737	2.22532	2	V
K16US2V	18.0	0.15	K221L	100.084	97.119	227.383	18.917	0.23516	2.76518	2	V
K16V61L	18.7	0.15	K221L	149.635	354.383	26.005	6.275	0.23917	2.43878	4	V
K16V61M	18.0	0.15	K221L	211.238	322.588	60.954	25.624	0.24026	2.26920	2	V
K16W81C	19.7	0.15	K221L	309.610	240.605	249.441	18.459	0.12179	1.87174	4	V
K17A16Z	15.8	0.15	K221L	334.212	185.683	358.732	14.178	0.48770	2.87389	12	X
K17BC4P	15.8	0.15	K221L	237.401	168.734	94.803	17.810	0.08075	3.05961	10	X
K17BC7G	18.0	0.15	K221L	341.033	31.001	140.878	9.235	0.25607	2.86949	2	V
K17F43T	15.8	0.15	K221L	280.873	179.468	102.134	9.832	0.13653	2.84761	13	X
K17FC0Y	16.0	0.15	K221L	24.408	26.052	83.799	15.398	0.08728	3.13463	10	X
K17G08X	15.5	0.15	K221L	272.979	151.835	84.599	18.577	0.05053	3.04768	12	X
K17H18S	17.2	0.15	K221L	328.411	76.867	159.142	15.587	0.21736	2.80120	8	X
K17OC2Z	17.7	0.15	K221L	58.382	357.197	289.737	8.972	0.10912	2.56200	6	V
K17OE0X	18.4	0.15	K221L	139.965	235.307	306.692	14.369	0.07979	2.63188	3	V
K17Q49V	18.0	0.15	K221L	48.063	129.058	142.245	4.077	0.02119	2.70868	6	V
K17Q61R	17.1	0.15	K221L	308.559	105.107	205.854	9.433	0.18052	3.04678	5	V

K17QB1L	17.8	0.15	K221L	47.486	273.710	14.424	10.853	0.14106	2.70287	3 V
K17SC0E	19.1	0.15	K221L	303.940	352.784	174.590	4.825	0.09395	2.22627	4 V
K17SH9W	17.2	0.15	K221L	296.695	3.372	7.920	19.180	0.11678	3.05092	2 V
K17U50M	18.0	0.15	K221L	306.620	165.469	240.271	9.795	0.11395	2.95272	2 V
K17UC9J	17.3	0.15	K221L	286.085	330.776	56.395	16.342	0.10311	3.12820	2 V
K17X55B	18.7	0.15	K221L	328.263	231.010	248.232	30.379	0.20379	2.54769	3 V
K18N15C	21.9	0.15	K221L	313.732	126.128	94.587	14.117	0.34250	1.59643	3 X
K18X05V	17.7	0.15	K221L	315.035	161.192	154.910	11.229	0.63387	2.58686	7 X
K19B00W	18.6	0.15	K221L	246.908	87.216	62.969	28.054	0.39421	2.64110	2 V
K19G32G	18.3	0.15	K221L	254.570	134.658	50.099	33.339	0.23258	2.57677	2 V
K19G47M	19.0	0.15	K221L	247.933	172.785	30.006	6.627	0.22954	2.56285	2 V
K19G73D	18.1	0.15	K221L	137.454	210.257	89.906	2.738	0.09362	2.65692	3 V
K19J14T	18.4	0.15	K221L	203.491	344.715	280.910	0.416	0.12208	2.56588	2 V
K19J91L	18.7	0.15	K221L	242.987	133.665	82.846	9.870	0.10724	2.57731	2 V
K19JA5L	18.4	0.15	K221L	168.806	117.630	224.183	5.663	0.26529	2.53457	3 V
K19N36N	19.8	0.15	K221L	15.224	8.475	95.026	9.869	0.45338	1.51491	6 X
K19P27Y	19.0	0.15	K221L	250.870	12.493	324.567	4.242	0.18609	2.29887	3 V
K19Q27T	19.0	0.15	K221L	254.018	296.619	41.251	1.807	0.20291	2.28352	3 V
K19R12T	19.8	0.15	K221L	252.474	359.020	351.157	4.698	0.21219	2.27502	3 V
K19R21G	18.4	0.15	K221L	265.449	42.892	265.143	10.129	0.15776	2.32141	2 V
K19R83E	17.1	0.15	K221L	149.304	60.937	294.053	13.745	0.10075	3.19761	2 V
K19R83F	17.3	0.15	K221L	208.461	67.674	221.108	8.758	0.10627	3.18190	4 V
K19SE2H	20.0	0.15	K221L	263.821	59.185	263.933	1.293	0.22816	2.30585	2 V
K19SF4G	18.8	0.15	K221L	287.902	343.354	339.068	4.452	0.17803	2.24508	3 V
K19UC6Y	17.8	0.15	K221L	134.716	152.822	267.318	9.370	0.03848	3.01102	4 V
K20F38G	19.5	0.15	K221L	121.341	295.006	17.975	21.467	0.02780	1.88358	3 V
K20K18R	18.1	0.15	K221L	109.165	258.090	53.053	9.067	0.27088	2.77337	2 V
K20O17W	18.7	0.15	K221L	117.374	51.581	268.822	9.621	0.29937	2.74659	2 V
K20T18D	19.5	0.15	K221L	189.947	324.852	352.071	4.714	0.21680	2.21618	3 V
K21GD6A	19.5	0.15	K221L	47.985	196.828	55.455	1.120	0.09729	2.11634	2 V
K21J59B	18.7	0.15	K221L	29.739	36.147	220.451	9.685	0.08806	2.69071	2 V
K21L14P	17.3	0.15	K221L	31.125	53.166	257.716	10.879	0.21956	3.08945	3 V
K21P27H	17.7	0.15	K221L	330.349	8.573	39.409	31.927	0.71169	0.46173	3 X
K21PD4V	17.7	0.15	K221L	67.856	294.761	17.422	2.065	0.05738	2.86736	4 V
K21T14C	18.3	0.15	K221L	257.135	303.409	216.160	3.485	0.05726	2.60609	4 V
K22B26O	18.1	0.15	K221L	95.272	244.405	149.942	2.642	0.07106	2.64302	6 V

New perturbed one-opposition orbits:

Object	H	G	Epoch	M	Peri.	Node	Incl.	e	a	Arc C
K13N67P	19.7	0.15	K221L	303.104	37.348	264.835	8.122	0.23071	2.80047	80 V
K13PC5H	17.7	0.15	K221L	280.224	304.213	329.043	9.877	0.06750	3.02495	100 V
K13Q14T	18.8	0.15	K221L	194.755	57.732	293.288	8.985	0.28713	3.06321	46 V
K13RG3D	18.8	0.15	K221L	224.176	21.600	263.718	9.082	0.17728	3.11093	26 V
K13RG3E	18.4	0.15	K221L	140.489	108.238	270.956	9.868	0.19280	3.17351	26 V
K13RG3F	18.4	0.15	K221L	260.732	343.636	294.657	10.074	0.09142	3.03506	38 V
K13RG3G	18.8	0.15	K221L	345.015	22.821	281.594	9.980	0.06282	2.70554	35 V
K13RG3H	18.0	0.15	K221L	255.928	59.623	181.753	16.798	0.16681	3.13086	10 V
K13RG3J	18.6	0.15	K221L	232.914	104.127	204.418	11.209	0.08399	3.02385	26 V
K13RG3K	19.0	0.15	K221L	17.022	348.812	304.508	11.696	0.17125	2.63533	35 V
K13RG3L	19.2	0.15	K221L	164.133	86.919	284.249	9.142	0.22705	3.11499	24 V
K13RG3M	18.8	0.15	K221L	343.669	7.724	259.942	9.226	0.07647	2.79144	39 V
K13RG3N	18.7	0.15	K221L	275.289	112.587	295.903	13.073	0.05546	2.64212	24 V
K13RG3O	18.9	0.15	K221L	332.016	63.543	251.485	8.844	0.13343	2.70033	40 V
K13RG3P	19.1	0.15	K221L	304.771	79.367	276.529	3.688	0.11797	2.72040	79 V
K13RG3Q	18.2	0.15	K221L	203.013	106.479	205.849	11.766	0.12385	3.12158	26 V
K13RG3R	19.9	0.15	K221L	269.070	178.328	229.841	8.167	0.27131	2.71078	28 V
K13RG3S	20.1	0.15	K221L	224.063	195.208	327.533	20.046	0.08288	1.92905	25 V
K15Bv5S	16.5	0.15	K221L	97.542	141.074	24.580	27.331	0.12759	3.19844	83 V
K15Ff9W	18.4	0.15	K221L	316.294	207.982	52.446	24.896	0.23203	2.29786	83 V
K15H24V	19.2	0.15	K221L	31.942	354.970	196.457	3.971	0.07358	2.21430	4 V
K15H25Q	17.1	0.15	K221L	23.287	247.455	42.277	5.402	0.21724	3.11974	35 V
K15H25U	19.2	0.15	K221L	327.108	63.347	166.798	1.809	0.13422	2.28622	35 V
K15H26X	18.9	0.15	K221L	312.480	188.510	48.165	4.276	0.08043	2.30358	8 V
K15H27J	18.9	0.15	K221L	243.778	218.493	72.789	2.647	0.17402	2.37153	4 V
K15HL9G	18.1	0.15	K221L	203.404	355.178	255.507	12.937	0.22483	2.60379	92 V
K15HM3Z	18.9	0.15	K221L	17.895	95.510	61.848	5.599	0.25618	2.30026	54 V
K15J06M	18.1	0.15	K221L	219.055	187.130	44.575	33.787	0.13632	2.58875	54 V
K15K44N	19.3	0.15	K221L	325.447	203.470	78.263	2.630	0.18402	2.24847	32 V
K15K46F	19.0	0.15	K221L	280.862	175.257	81.790	6.730	0.19516	2.38851	32 V
K15K47G	19.2	0.15	K221L	314.480	127.198	107.424	3.432	0.17223	2.34623	32 V
K15KA0G	19.2	0.15	K221L	326.578	158.921	87.829	7.231	0.14615	2.29625	27 V
K15KA0U	18.3	0.15	K221L	198.629	134.609	84.047	9.234	0.12895	2.70197	32 V
K15KD7M	17.0	0.15	K221L	85.272	146.847	50.125	18.554	0.16833	3.21023	30 V
K15KD9S	18.8	0.15	K221L	282.088	185.823	72.474	2.314	0.15104	2.37210	5 V
K15KE0G	18.8	0.15	K221L	239.447	198.063	77.306	2.514	0.16131	2.45009	22 V
K15KE0S	19.0	0.15	K221L	243.743	197.727	88.511	3.403	0.19621	2.42403	22 V
K15KE0W	18.5	0.15	K221L	257.354	142.969	120.234	1.897	0.15373	2.42692	46 V
K15KE5M	18.6	0.15	K221L	224.029	259.990	64.246	13.105	0.27741	2.41430	30 V
K15KJ8J	18.0	0.15	K221L	169.581	203.729	64.326	14.631	0.21197	2.68417	33 V
K15KK0O	18.5	0.15	K221L	219.067	189.577	113.075	4.812	0.24158	2.47514	60 V
K15L06K	19.3	0.15	K221L	284.441	175.741	50.541	18.615	0.28591	2.41735	72 V
K15M20X	19.3	0.15	K221L	293.573	212.376	56.243	6.537	0.19301	2.32444	55 V
K15M23G	17.1	0.15	K221L	61.268	7.891	237.449	16.772	0.14541	3.14474	39 V
K15M24W	19.2	0.15	K221L	359.267	189.106	52.670	5.117	0.11068	2.22432	30 V
K15M26F	19.0	0.15	K221L	308.124	180.860	48.652	6.760	0.17112	2.35749	60 V
K15M29H	18.1	0.15	K221L	40.675	218.522	59.199	18.271	0.26698	3.17045	55 V
K15M29R	19.1	0.15	K221L	289.835	321.752	326.662	2.447	0.18685	2.30538	29 V
K16EJ5Y	19.1	0.15	K221L	247.928	194.564	6.457	5.454	0.15548	2.28342	52 V
K16EL0D	17.0	0.15	K221L	328.587	250.058	16.033	15.961	0.20113	3.16945	58 V
K16EL4S	17.4	0.15	K221L	10.633	188.849	40.289	28.823	0.10832	3.08537	55 V
K16EL4V	18.5	0.15	K221L	202.189	26.485	200.750	6.177	0.12378	2.35740	55 V
K16F14A	27.3	0.15	K221L	164.151	286.460	189.619	4.264	0.58622	1.80143	5 X
K16F55Z	18.9	0.15	K221L	105.765	163.529	36.480	11.458	0.24313	2.72723	39 V

K16F81G	18.7	0.15	K221L	308.116	68.615	214.290	25.544	0.17292	3.21359	52	V
K16GE8K	19.9	0.15	K221L	210.021	112.782	99.362	2.010	0.25729	2.35693	32	V
K16GG4X	16.9	0.15	K221L	302.593	69.126	208.683	10.569	0.11704	3.21391	50	V
K16GH0M	18.1	0.15	K221L	162.819	101.194	50.853	11.956	0.14285	2.65782	31	V
K16GI1U	18.5	0.15	K221L	227.164	148.559	39.821	24.980	0.25183	2.35230	95	V
K16GI6P	18.7	0.15	K221L	116.201	165.222	48.376	14.248	0.18718	2.65558	31	V
K16GK4T	19.0	0.15	K221L	208.717	180.245	55.967	6.325	0.12429	2.31517	30	V
K16GK4X	19.4	0.15	K221L	200.010	162.670	45.438	8.409	0.18376	2.39777	33	V
K16GM3Y	19.1	0.15	K221L	183.769	45.214	183.756	2.060	0.17449	2.39722	29	V
K16GM6D	18.6	0.15	K221L	204.765	197.001	5.852	1.398	0.13361	2.39334	51	V
K16GO8R	16.6	0.15	K221L	211.801	25.642	205.144	25.319	0.33732	4.42725	57	V
K16GO9T	19.2	0.15	K221L	198.090	32.691	201.159	6.889	0.16876	2.34952	32	V
K16GO9U	19.3	0.15	K221L	205.371	30.943	192.675	1.830	0.18081	2.35029	26	V
K16GP5B	18.9	0.15	K221L	205.982	164.868	38.483	2.727	0.13273	2.38795	32	V
K16GP5T	18.5	0.15	K221L	204.166	65.712	138.130	2.264	0.12800	2.40260	32	V
K16GP5V	17.4	0.15	K221L	321.648	222.227	50.679	15.030	0.22779	3.21609	33	V
K16GR3N	18.7	0.15	K221L	211.298	11.288	215.890	6.046	0.06169	2.31887	26	V
K16GS7T	16.8	0.15	K221L	330.343	213.125	44.355	17.497	0.12384	3.17146	29	V
K16GT3B	18.4	0.15	K221L	95.213	136.653	83.013	4.511	0.13081	2.73671	33	V
K16GT5D	19.5	0.15	K221L	121.083	1.660	225.253	6.291	0.25975	2.61811	25	V
K16GU0F	18.0	0.15	K221L	64.112	221.742	41.953	14.427	0.16867	2.72279	34	V
K16GU0M	19.1	0.15	K221L	287.374	146.548	69.364	3.992	0.11723	2.16793	32	V
K16GU8F	17.3	0.15	K221L	42.801	126.463	44.050	27.693	0.16606	3.15173	33	V
K16H00S	18.5	0.15	K221L	151.980	237.768	39.703	15.098	0.18185	2.39643	57	V
K16H15S	19.5	0.15	K221L	215.402	187.603	39.566	25.300	0.15693	2.31890	24	V
K16H24N	18.6	0.15	K221L	214.842	93.288	86.001	2.258	0.12861	2.43114	10	V
K16H31M	18.9	0.15	K221L	92.508	215.202	53.433	9.876	0.32835	2.64820	11	V
K18L03R	26.3	0.15	K221L	230.271	8.753	303.322	0.470	0.18653	1.20117	17	X
K20Y05E	25.7	0.15	K221L	153.125	46.588	125.604	1.255	0.46637	1.64065	35	X
K21F02M	30.2	0.15	K221L	191.153	295.928	180.771	3.166	0.44447	1.48816	1	X
K21S41R	19.8	0.15	K221L	354.193	319.916	172.122	21.935	0.65020	2.37962	194	X
K21V27R	21.7	0.15	K221L	357.469	352.328	131.619	3.529	0.49496	2.03148	137	X
K22B02U	20.3	0.15	K221L	317.394	101.853	138.979	35.946	0.50197	1.77844	51	X
K22B05Y	22.6	0.15	K221L	330.487	85.141	120.037	5.380	0.45129	1.82105	49	X
K22C06O	26.0	0.15	K221L	197.581	149.728	146.238	11.455	0.30776	0.80212	5	X
K22D00P	23.4	0.15	K221L	3.791	337.160	118.927	5.153	0.48986	1.77233	18	X
K22D00U	22.4	0.15	K221L	0.332	120.533	351.646	9.386	0.63840	2.96200	19	X
K22D03T	26.0	0.15	K221L	326.424	94.961	153.912	5.401	0.67171	1.92231	6	X
K22E02R	22.1	0.15	K221L	326.964	80.015	162.842	5.793	0.60137	2.11004	13	X
K22E04E	25.2	0.15	K221L	298.549	279.162	351.398	3.529	0.58406	1.46998	11	X
K22E05D	24.3	0.15	K221L	349.220	339.571	173.669	7.545	0.52714	2.12533	7	X
K22E05R	25.6	0.15	K221L	332.810	38.351	177.746	10.313	0.56781	2.13800	7	X
K22E06Y	20.6	0.15	K221L	4.672	61.852	7.746	32.561	0.60685	1.65444	5	B
K22E06Z	23.3	0.15	K221L	85.328	220.835	157.602	6.381	0.27637	0.86590	12	B
K22F00B	26.4	0.15	K221L	330.221	352.860	175.728	13.266	0.26737	1.36196	1	B

New observations:

K06F51D	C2022	03	17.45158515	57	18.96	+02	16	05.1	19.33	GVEF008G96	
K06F51D	C2022	03	17.45672515	57	19.85	+02	16	00.9	19.49	GVEF008G96	
K06F51D	C2022	03	17.46186015	57	20.70	+02	15	56.4	19.39	GVEF008G96	
K06F51D	C2022	03	17.46700715	57	21.58	+02	15	52.2	19.65	GVEF008G96	
K09C03C	C2022	03	17.13702607	47	33.42	-06	35	45.9	17.69	oVEF008W68	
K09C03C	C2022	03	17.14083907	47	33.33	-06	35	38.4	17.52	oVEF008W68	
K09C03C	C2022	03	17.14763107	47	33.16	-06	35	24.9	17.63	oVEF008W68	
K09C03C	KC2022	03	17.15159	07	47	34.88	-06	36	04.4	17.9	GVEF008U52
K09C03C	KC2022	03	17.15702	07	47	34.73	-06	35	52.2	18.2	GVEF008U52
K09C03C	C2022	03	17.15804107	47	32.93	-06	35	04.2	17.70	oVEF008W68	
K09C03C	KC2022	03	17.17612	07	47	34.40	-06	35	14.5	17.3	GVEF008U52
K10V01G	KC2022	03	17.18565	09	40	34.83	+16	26	17.7	16.5	GVEF008U52
K10V01G	KC2022	03	17.19128	09	40	36.47	+16	25	29.4	17.5	GVEF008U52
K10V01G	KC2022	03	17.20141	09	40	39.43	+16	24	02.9	17.7	GVEF008U52
K10V01G	KC2022	03	17.20704	09	40	40.97	+16	23	15.5	18.6	GVEF008U52
K11T00J	C2022	03	17.44874715	58	08.69	-04	18	04.7	20.32	GVEF008G96	
K11T00J	C2022	03	17.45390315	58	11.18	-04	18	08.1	20.88	GVEF008G96	
K11T00J	C2022	03	17.46418315	58	16.10	-04	18	16.2	19.93	GVEF008G96	
K13B76O	C2022	03	16.95669211	41	27.09	-27	29	00.1	15.72	oVEF008M22	
K13B76O	C2022	03	16.96010611	41	27.46	-27	29	37.0	15.54	oVEF008M22	
K13B76O	C2022	03	16.96626511	41	28.13	-27	30	43.5	15.60	oVEF008M22	
K13B76O	C2022	03	16.97818111	41	29.43	-27	32	51.6	15.75	oVEF008M22	
K16F14A	\C2016	04	03.16923	12	59	35.868	-00	05	05.76	21.5	rXEF008309
K16F14A	\C2016	04	03.17391	12	59	36.394	-00	05	01.41	21.4	rXEF008309
K16F14A	\C2016	04	03.17859	12	59	36.914	-00	04	57.06	21.6	rXEF008309
K16F14A	\C2016	04	03.18327	12	59	37.451	-00	04	52.55	21.5	rXEF008309
K16F14A	\C2016	04	03.18795	12	59	37.956	-00	04	48.33	21.5	rXEF008309
K18L03R	\C2018	06	08.14811	14	12	04.206	-21	05	29.97	22.0	gXEF008309
K18L03R	\C2018	06	08.14920	14	12	03.868	-21	05	29.20	21.9	gXEF008309
K18N15C	KC2022	03	17.51299416	11	44.36	+48	21	45.7		VEF008I52	
K18N15C	KC2022	03	17.51620416	11	45.40	+48	21	47.7	21.55	GVEF008I52	
K18N15C	KC2022	03	17.51941216	11	46.41	+48	21	48.8	21.76	GVEF008I52	
K18X05V	KC2022	03	17.49264915	51	39.31	-05	16	10.2	20.83	GVEF008I52	
K18X05V	KC2022	03	17.49658415	51	39.58	-05	16	08.9	21.70	GVEF008I52	
K18X05V	KC2022	03	17.50058315	51	39.91	-05	16	05.9	20.66	GVEF008I52	
K19N36N	C2022	03	17.49281816	44	47.12	-00	05	38.5	20.82	GVEF008G96	
K19N36N	C2022	03	17.49796116	44	47.11	-00	05	37.1	20.07	GVEF008G96	
K19N36N	C2022	03	17.50311916	44	46.99	-00	05	35.2	20.61	GVEF008G96	
K19N36N	C2022	03	17.50825816	44	46.89	-00	05	33.9	20.41	GVEF008G96	
K20Y05E	\C2021	01	17.14935	06	58	18.833	+17	05	26.28	19.2	rXEF008309
K20Y05E	\C2021	01	17.15357	06	58	19.239	+17	05	19.97	19.2	rXEF008309
K20Y05E	\C2021	01	17.15778	06	58	19.647	+17	05	13.56	19.2	rXEF008309
K20Y05E	\C2021	01	17.16201	06	58	20.057	+17	05	07.06	19.2	rXEF008309
K21F02M	\C2021	03	22.14043	13	01	08.656	-00	34	20.71	20.5	rXEF008309
K21F02M	\C2021	03	22.14164	13	01	08.719	-00	34	08.46	20.4	rXEF008309
K21F02M	\C2021	03	22.14284	13	01	08.779	-00	33	56.35	20.6	rXEF008309



K21F02M	\C2021	03	22.14406	13	01	08.832-00	33	44.16	20.9	rXEF008309	
K21F02M	\C2021	03	22.14526	13	01	08.888-00	33	32.07	20.6	rXEF008309	
K21F02M	\C2021	03	22.14648	13	01	08.939-00	33	20.25	20.7	rXEF008309	
K21F02M	\C2021	03	22.14768	13	01	08.992-00	33	07.92	20.8	rXEF008309	
K21F02M	\C2021	03	22.14890	13	01	09.039-00	32	56.10	20.5	rXEF008309	
K21F02M	\C2021	03	22.15011	13	01	09.085-00	32	43.81	20.6	rXEF008309	
K21F02M	\C2021	03	22.15134	13	01	09.129-00	32	31.85	20.7	rXEF008309	
K21P27H	5C2022	02	25.52758319	57	40.57	-12	05	36.6	19.0	GVEF008G37	
K21P27H	5C2022	02	25.53718619	57	40.68	-12	05	48.6	18.9	GVEF008G37	
K21P27H	5C2022	02	25.54189019	57	40.76	-12	05	55.0	19.1	GVEF008G37	
K21P27H	5C2022	03	09.51668220	12	27.85	-16	12	08.0	19.4	GVEF008G37	
K21P27H	5C2022	03	09.52148220	12	28.46	-16	12	13.9	18.7	GVEF008G37	
K21P27H	5C2022	03	09.52691320	12	29.13	-16	12	20.4	18.6	GVEF008G37	
K21P27H	5C2022	03	09.53211320	12	29.78	-16	12	26.7	19.4	GVEF008G37	
K21S41R	mC2022	03	17.49448918	46	45.34	+12	00	35.8	19.38	GVEF008I52	
K21S41R	mC2022	03	17.49473518	46	45.12	+12	00	38.8	18.11	GVEF008I52	
K21S41R	mC2022	03	17.49842718	46	42.50	+12	01	14.2	18.63	GVEF008I52	
K21S41R	mC2022	03	17.49867318	46	42.34	+12	01	16.6	18.51	GVEF008I52	
K21V27R	KC2022	01	23.85910303	50	18.68	+11	26	05.4	18.5	GXEF008C95	
K21V27R	KC2022	01	23.86890603	50	21.31	+11	26	33.4	18.5	GXEF008C95	
K22B02U	KC2022	03	17.48517318	30	09.77	+70	00	37.1	20.66	GVEF008I52	
K22B02U	KC2022	03	17.48738918	30	11.62	+70	00	36.4	20.29	GVEF008I52	
K22B02U	KC2022	03	17.48960518	30	13.53	+70	00	34.4	20.29	GVEF008I52	
K22B05Y	KC2022	03	17.50358517	27	46.85	+10	15	19.9	20.87	GVEF008I52	
K22B05Y	KC2022	03	17.50653617	27	48.20	+10	15	16.4	20.85	GVEF008I52	
K22B05Y	KC2022	03	17.50949817	27	49.58	+10	15	13.2	21.27	GVEF008I52	
K22D00P	KC2022	03	01.35127808	11	35.749+46	17	19.83		20.89	GVEF008T12	
K22D00U	C2022	03	01.40252809	25	04.489+29	27	03.76		20.75	GVEF008T12	
K22D00U	C2022	03	01.40309709	25	04.573+29	27	01.22		20.76	GVEF008T12	
K22D00U	C2022	03	01.40358809	25	04.647+29	26	58.95		20.82	GVEF008T12	
K22D03T	C2022	03	01.40783309	57	07.446+22	41	11.31		21.05	GVEF008T12	
K22D03T	C2022	03	01.40835209	57	07.111+22	41	19.15		20.99	GVEF008T12	
K22D03T	C2022	03	01.40979509	57	06.175+22	41	40.93		21.08	GVEF008T12	
K22E02R	KC2022	03	17.03907413	39	40.70	+09	33	30.7	17.6	GVEF008Z80	
K22E02R	KC2022	03	17.04394313	39	44.85	+09	33	53.6	18.4	GVEF008Z80	
K22E02R	KC2022	03	17.04877213	39	49.03	+09	34	16.5	17.8	GVEF008Z80	
K22E04E	6C2022	03	18.17744	08	20	57.43	+15	30	19.4	VEF008290	
K22E04E	6C2022	03	18.18821	08	20	34.16	+15	30	41.6	VEF008290	
K22E04E	6C2022	03	18.20568	08	19	56.25	+15	31	15.8	VEF008290	
K22E05D	C2022	03	17.37041014	37	34.04	-03	16	43.6	19.24	GVEF008G96	
K22E05D	C2022	03	17.37554114	37	35.61	-03	16	16.9	19.51	GVEF008G96	
K22E05D	C2022	03	17.38067514	37	37.18	-03	15	49.5	19.53	GVEF008G96	
K22E05D	C2022	03	17.38581314	37	38.78	-03	15	21.7	20.14	GVEF008G96	
K22E05R	6C2022	03	18.10703	09	10	16.13	+02	38	03.2	18.0	GVEF008290
K22E05R	6C2022	03	18.10756	09	10	15.97	+02	38	19.9	18.4	GVEF008290
K22E05R	6C2022	03	18.10808	09	10	15.83	+02	38	36.7	18.5	GVEF008290
K22E05R	6C2022	03	18.10861	09	10	15.66	+02	38	53.2	18.4	GVEF008290
01036	C2022	03	03.06205	09	57	37.20	-19	10	56.1	qEF008834	
01036	C2022	03	03.09998	09	57	35.42	-19	10	40.0	qEF008834	
03103	C2022	03	18.35100609	54	05.783+37	28	51.17		16.41	zUEF008F52	
03103	C2022	03	18.36489009	54	05.092+37	28	54.56		16.52	zUEF008F52	
03103	C2022	03	18.37876409	54	04.411+37	28	57.92		16.82	zUEF008F52	
03103	C2022	03	18.39246409	54	03.740+37	29	01.15		17.18	zUEF008F52	
03691	C2022	03	17.24642407	33	35.73	+36	33	20.8	16.55	GVEF008703	
03691	C2022	03	17.25334807	33	35.87	+36	33	09.9	16.65	GVEF008703	
03691	C2022	03	17.26735207	33	36.08	+36	32	48.0	16.56	GVEF008703	
03691	C2022	03	17.27265907	33	36.12	+36	32	39.7	16.51	GVEF008703	
04257	C2022	03	17.44466116	50	05.29	+21	35	02.9	20.29	GVEF008703	
04257	C2022	03	17.46056916	50	05.78	+21	35	29.1	19.58	GVEF008703	
04544	C2022	03	17.37663315	07	01.62	-06	04	52.1	17.27	GVEF008703	
04544	C2022	03	17.38192415	07	01.45	-06	04	57.0	17.37	GVEF008703	
04544	C2022	03	17.38722215	07	01.30	-06	05	02.2	17.38	GVEF008703	
04544	C2022	03	17.39101615	07	01.15	-06	05	04.9	17.36	GVEF008G96	
04544	C2022	03	17.39251215	07	01.07	-06	05	07.7	16.60	GVEF008703	
04544	C2022	03	17.39617215	07	00.97	-06	05	10.0		VEF008G96	
04544	C2022	03	17.40132115	07	00.84	-06	05	13.7	16.88	GVEF008G96	
04544	C2022	03	17.40649715	07	00.63	-06	05	19.0	17.44	GVEF008G96	
05653	C2022	03	17.40182515	16	50.91	-20	20	19.1	17.08	GVEF008703	
05653	C2022	03	17.40719215	16	50.91	-20	20	23.8	17.08	GVEF008703	
05653	C2022	03	17.41256715	16	50.94	-20	20	27.1	17.24	GVEF008703	
05653	C2022	03	17.41793515	16	50.95	-20	20	31.2	17.19	GVEF008703	
07341	C2022	03	17.14414	12	47	09.27	-33	00	22.4	15.0	RqEF008Y00
07341	C2022	03	17.14563	12	47	09.07	-33	00	19.2	15.2	RqEF008Y00
07341	C2022	03	17.14710	12	47	08.82	-33	00	17.5	15.2	RqEF008Y00
07889	C2022	03	17.49770920	59	00.68	+68	57	36.3	16.33	GVEF008703	
07889	C2022	03	17.50126620	58	59.75	+68	57	40.5	16.28	GVEF008703	
07889	C2022	03	17.50482720	58	58.85	+68	57	44.9	16.25	GVEF008703	
07889	C2022	03	17.50838320	58	57.98	+68	57	48.9	16.23	GVEF008703	
10302	C2022	03	17.40791215	24	31.86	-04	12	47.8	19.75	GVEF008G96	
10302	C2022	03	17.41310215	24	32.40	-04	12	45.9	20.33	GVEF008G96	
10302	C2022	03	17.41827615	24	32.94	-04	12	44.6	19.88	GVEF008G96	
10302	C2022	03	17.42346215	24	33.47	-04	12	42.9	19.69	GVEF008G96	
12711	C2022	03	17.12949005	30	27.42	-22	46	09.1	17.29	GVEF008703	
12711	C2022	03	17.13538905	30	27.32	-22	46	13.5	17.16	GVEF008703	
12711	C2022	03	17.14128705	30	27.20	-22	46	16.2	17.63	GVEF008703	
12711	C2022	03	17.14718505	30	27.06	-22	46	21.2	17.69	GVEF008703	
54789	C2022	03	17.46187317	10	44.36	+19	06	02.8	16.55	GVEF008703	
54789	C2022	03	17.46717817	10	44.90	+19	06	08.0	16.47	GVEF008703	
54789	C2022	03	17.47248817	10	45.41	+19	06	13.0	16.57	GVEF008703	
54789	C2022	03	17.47779217	10	45.89	+19	06	18.5	16.33	GVEF008703	
A0004	C2022	03	17.43001815	44	19.12	+00	21	20.5	19.08	GVEF008G96	
A0004	C2022	03	17.43516415	44	18.85	+00	21	22.1	19.28	GVEF008G96	
A0004	C2022	03	17.44031015	44	18.59	+00	21	23.4	19.21	GVEF008G96	

A0004	C2022	03	17.44547115	44	18.33	+00	21	24.8	19.20GVEF008G96
A0756	C2022	03	17.38053216	02	56.48	-10	05	46.3	VEF008703
A0756	C2022	03	17.38583116	02	56.46	-10	05	38.8	17.69GVEF008703
A0756	C2022	03	17.39111916	02	56.45	-10	05	31.8	17.61GVEF008703
A0756	C2022	03	17.39641016	02	56.43	-10	05	24.0	17.05GVEF008703
D8155	C2022	03	17.36667914	38	14.79	+01	21	40.6	18.81GVEF008G96
D8155	C2022	03	17.37181014	38	14.65	+01	21	50.4	18.60GVEF008G96
D8155	C2022	03	17.37694814	38	14.54	+01	21	59.9	18.83GVEF008G96
D8155	C2022	03	17.38207414	38	14.43	+01	22	09.6	18.66GVEF008G96
E1484	C2022	03	17.19011306	02	13.30	-12	39	34.8	17.45GVEF008703
E1484	C2022	03	17.19370106	02	13.69	-12	39	29.8	17.24GVEF008703
E1484	C2022	03	17.20087806	02	14.27	-12	39	19.5	16.76GVEF008703
F4144	C2022	03	17.42907115	38	42.76	+03	20	54.3	VEF008G96
F4144	C2022	03	17.43422415	38	43.09	+03	21	01.9	19.71GVEF008G96
F4144	C2022	03	17.43937115	38	43.36	+03	21	09.9	20.12GVEF008G96
F4144	C2022	03	17.44453315	38	43.75	+03	21	17.5	20.06GVEF008G96
G2635	C2022	03	17.36947214	48	05.64	-05	45	32.3	19.32GVEF008G96
G2635	C2022	03	17.37460514	48	05.48	-05	45	29.5	19.35GVEF008G96
G2635	C2022	03	17.37973814	48	05.31	-05	45	26.9	19.05GVEF008G96
G2635	C2022	03	17.38487714	48	05.15	-05	45	24.3	19.25GVEF008G96
H5706	C2022	03	17.33509113	44	41.85	-18	43	13.7	17.39GVEF008703
H5706	C2022	03	17.34062813	44	41.60	-18	43	17.5	17.22GVEF008703
H5706	C2022	03	17.34616813	44	41.30	-18	43	20.6	17.00GVEF008703
H5706	C2022	03	17.35171413	44	41.02	-18	43	23.7	17.24GVEF008703
a0502	C2022	03	17.30896214	00	25.27	-06	40	45.8	18.85GVEF008703
a0502	C2022	03	17.31494214	00	25.10	-06	40	18.5	18.50GVEF008703
a0502	C2022	03	17.32690514	00	24.72	-06	39	25.2	VEF008703
j9386	C2022	03	18.24414808	27	38.514	+33	55	30.60	20.30zUEF008F52
j9386	C2022	03	18.25769608	27	37.104	+33	55	15.79	19.89zUEF008F52
j9386	C2022	03	18.27120408	27	35.735	+33	55	01.58	19.70zUEF008F52
j9386	C2022	03	18.28486208	27	34.305	+33	54	46.65	19.51zUEF008F52
l5665	C2022	03	17.41890516	12	21.62	-09	49	27.7	17.15GVEF008703
l5665	C2022	03	17.42426316	12	22.08	-09	49	26.2	17.30GVEF008703
l5665	C2022	03	17.42961816	12	22.51	-09	49	25.0	17.12GVEF008703
l5665	C2022	03	17.43497416	12	22.91	-09	49	23.6	17.35GVEF008703
r3372	KC2022	03	17.43343914	24	32.70	-23	07	44.5	20.39GVEF008I52
r3372	KC2022	03	17.44148314	24	31.92	-23	07	15.9	20.56GVEF008I52
r3372	KC2022	03	17.44952614	24	31.24	-23	06	46.1	19.92GVEF008I52

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