

8 Apr 2019 17:45

:56

Approved AGI Educational Alliance Partner

Satellite-CubeSat: Orbit Lifetime

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Ecc
entricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)
of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Height
unt			Orbit Co
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1 Jan 2021 17:42:50.142	6777.470591	6777.471873	0
.00043499	51.558120	166.876141	34.419482
402.283038	396.386708	5552.806842	
0			
2 Jan 2021 09:06:20.754	6777.436424	6777.437482	0
.00039510	51.558161	172.493387	31.193850
401.978254	396.622710	5552.764577	
10			
3 Jan 2021 00:29:51.149	6777.402268	6777.403120	0
.00035449	51.558239	179.099569	27.968208
401.668624	396.863615	5552.722347	
20			
3 Jan 2021 15:53:21.116	6777.368005	6777.368671	0
.00031349	51.558344	186.995989	24.742573
401.356318	397.107023	5552.680012	
30			
4 Jan 2021 07:16:50.652	6777.333618	6777.334123	0
.00027275	51.558459	196.590963	21.516955
401.045638	397.348608	5552.637554	
40			
4 Jan 2021 22:40:19.754	6777.299070	6777.299439	0
.00023329	51.558568	208.409791	18.291360
400.743548	397.581330	5552.594930	
50			
5 Jan 2021 14:03:48.419	6777.264276	6777.264539	0
.00019693	51.558652	223.042772	15.065780
400.462174	397.792904	5552.552039	
60			
6 Jan 2021 05:27:16.644	6777.229243	6777.229431	0
.00016645	51.558699	240.861576	11.840205
400.220530	397.964332	5552.508894	
70			
6 Jan 2021 20:50:44.426	6777.194064	6777.194208	0
.00014570	51.558695	261.236591	8.614617
400.044628	398.069787	5552.465607	
80			
7 Jan 2021 12:14:11.764	6777.158605	6777.158734	0
.00013837	51.558635	281.405432	5.388988
399.959474	398.083995	5552.422013	

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

90										
8 Jan 2021 03:37:38.656	6777.122820	6777.122962	0							
.00014517	51.558529	297.310854	2.163281							
399.969768	398.002157	5552.378052								
100										
8 Jan 2021 19:01:05.100	6777.086865	6777.087045	0							
.00016256	51.558406	307.521062	358.937471							
400.051737	397.848352	5552.333912								
110										
9 Jan 2021 10:24:31.095	6777.050689	6777.050924	0							
.00018608	51.558296	313.675583	355.711566							
400.174964	397.652884	5552.289523								
120										
10 Jan 2021 01:47:56.639	6777.014270	6777.014578	0							
.00021290	51.558221	317.596444	352.485584							
400.320413	397.434742	5552.244856								
130										
10 Jan 2021 17:11:21.730	6776.977647	6776.978043	0							
.00024166	51.558189	320.336428	349.259555							
400.478782	397.203304	5552.199958								
140										
11 Jan 2021 08:34:46.365	6776.940785	6776.941285	0							
.00027168	51.558199	322.418197	346.033506							
400.645463	396.963107	5552.154786								
150										
11 Jan 2021 23:58:10.543	6776.903639	6776.904260	0							
.00030260	51.558238	324.116733	342.807458							
400.817983	396.716537	5552.109285								
160										
12 Jan 2021 15:21:34.259	6776.866376	6776.867133	0							
.00033423	51.558290	325.580160	339.581427							
400.995193	396.465073	5552.063660								
170										
13 Jan 2021 06:44:57.513	6776.828929	6776.829839	0							
.00036645	51.558335	326.890685	336.355416							
401.176199	396.209480	5552.017830								
180										
13 Jan 2021 22:08:20.302	6776.791338	6776.792418	0							
.00039917	51.558357	328.102148	333.129419							
401.360489	395.950347	5551.971843								
190										
14 Jan 2021 13:31:42.625	6776.753617	6776.754884	0							
.00043234	51.558344	329.243482	329.903422							
401.547768	395.688000	5551.925717								
200										
15 Jan 2021 04:55:04.481	6776.715800	6776.717271	0							
.00046594	51.558290	330.335923	326.677405							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
401.737837	395.422705	5551.879496								
210										
15 Jan 2021 20:18:25.868	6776.677907	6776.679601	0							
.00049993	51.558197	331.395586	323.451349							
401.930490	395.154711	5551.833203								
220										
16 Jan 2021 11:41:46.786	6776.639980	6776.641914	0							
.00053431	51.558073	332.430292	320.225233							
402.125713	394.884116	5551.786891								
230										
17 Jan 2021 03:05:07.235	6776.602055	6776.604249	0							
.00056905	51.557929	333.447307	316.999041							
402.323459	394.611039	5551.740605								
240										
17 Jan 2021 18:28:27.214	6776.564126	6776.566600	0							
.00060413	51.557780	334.453130	313.772765							
402.523559	394.335641	5551.694339								
250										
18 Jan 2021 09:51:46.724	6776.526267	6776.529039	0							
.00063957	51.557641	335.450301	310.546402							
402.726129	394.057948	5551.648181								
260										
19 Jan 2021 01:15:05.766	6776.488512	6776.491603	0							
.00067536	51.557526	336.441933	307.319954							
402.931169	393.778037	5551.602177								
270										
19 Jan 2021 16:38:24.342	6776.450826	6776.454256	0							
.00071147	51.557443	337.431178	304.093432							
403.138469	393.496044	5551.556283								
280										
20 Jan 2021 08:01:42.453	6776.413302	6776.417093	0							
.00074791	51.557399	338.418984	300.866848							
403.348218	393.211968	5551.510615								
290										
20 Jan 2021 23:25:00.102	6776.375880	6776.380052	0							
.00078465	51.557394	339.407412	297.640219							
403.560170	392.925935	5551.465097								
300										
21 Jan 2021 14:48:17.289	6776.338670	6776.343245	0							
.00082173	51.557423	340.397009	294.413561							
403.774537	392.637954	5551.419867								
310										
22 Jan 2021 06:11:34.020	6776.301684	6776.306686	0							
.00085911	51.557475	341.388784	291.186889							
403.991300	392.348071	5551.374940								
320										
22 Jan 2021 21:34:50.295	6776.264842	6776.270292	0							

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30 Jan 2021 14:13:31.038	6775.836925	6775.849628	0.00136924	51.556541	354.682215	249.238079	406.990373	388.434883	5550.813295	0
31 Jan 2021 05:36:41.611	6775.801788	6775.815259	0.00140998	51.556562	355.742304	246.010774	407.232047	388.124470	5550.771061	0
31 Jan 2021 20:59:51.754	6775.766571	6775.780834	0.00145086	51.556650	356.808319	242.783428	407.474572	387.813096	5550.728760	0
1 Feb 2021 12:23:01.466	6775.731261	6775.746342	0.00149189	51.556786	357.880631	239.556067	407.718029	387.500656	5550.686377	0
2 Feb 2021 03:46:10.747	6775.695817	6775.711742	0.00153305	51.556943	358.959337	236.328713	407.962264	387.187220	5550.643859	0
2 Feb 2021 19:09:19.595	6775.660204	6775.676997	0.00157430	51.557087	0.044187	233.101380	408.206935	386.873059	5550.601166	0
3 Feb 2021 10:32:28.008	6775.624387	6775.642073	0.00161564	51.557185	1.135430	229.874070	408.452075	386.558072	5550.558251	0
4 Feb 2021 01:55:35.984	6775.588329	6775.606933	0.00165706	51.557213	2.233014	226.646772	408.697521	386.242345	5550.515072	0
4 Feb 2021 17:18:43.520	6775.552025	6775.571573	0.00169851	51.557159	3.336566	223.419469	408.942976	385.926170	5550.471621	0
5 Feb 2021 08:41:50.612	6775.515427	6775.535941	0.00174001	51.557028	4.446327	220.192136	409.188440	385.609441	5550.427837	0
6 Feb 2021 00:04:57.258	6775.478579	6775.500083	0.00178152	51.556842	5.562106	216.964748	409.433782	385.292384	5550.383776	0
6 Feb 2021 15:28:03.454	6775.441360	6775.463878	0.00182302	51.556632	6.683975	213.737289	409.678707	384.975048	5550.339288	0

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7 Feb 2021 06:51:09.196	6775.403788	6775.427342	.00186451	51.556432	7.812147	210.509748	409.923214	384.657470	5550.294394	0
7 Feb 2021 22:14:14.479	6775.365896	6775.390509	.00190595	51.556276	8.946430	207.282129	410.167065	384.339953	5550.249135	0
8 Feb 2021 13:37:19.302	6775.327633	6775.353326	.00194734	51.556188	10.087316	204.054441	410.410223	384.022430	5550.203446	0
9 Feb 2021 05:00:23.658	6775.288996	6775.315791	.00198865	51.556176	11.235007	200.826703	410.652547	383.705035	5550.157324	0
9 Feb 2021 20:23:27.546	6775.250032	6775.277948	.00202986	51.556239	12.389351	197.598932	410.893822	383.388075	5550.110824	0
10 Feb 2021 11:46:30.961	6775.210699	6775.239758	.00207096	51.556362	13.550882	194.371147	411.133978	383.071537	5550.063898	0
11 Feb 2021 03:09:33.900	6775.171011	6775.201229	.00211191	51.556523	14.719772	191.143361	411.372864	382.755594	5550.016556	0
11 Feb 2021 18:32:36.359	6775.131016	6775.162413	.00215270	51.556696	15.895769	187.915578	411.610277	382.440549	5549.968861	0
12 Feb 2021 09:55:38.334	6775.090696	6775.123288	.00219329	51.556855	17.079360	184.687799	411.846118	382.126458	5549.920786	0
13 Feb 2021 01:18:39.823	6775.050074	6775.083877	.00223368	51.556979	18.270630	181.460016	412.080231	381.813522	5549.872359	0
13 Feb 2021 16:41:40.822	6775.009194	6775.044223	.00227382	51.557053	19.469212	178.232219	412.312424	381.502021	5549.823635	0
14 Feb 2021 08:04:41.328	6774.968062	6775.004330	.00231369	51.557069	20.675579	175.004392				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

030										
9 Mar 2021 09:47:21.592	6773.381811	6773.458300	0							
.00336041	51.557806	70.231777	58.774044							
418.082893	372.559707	5547.875070	1							
040										
10 Mar 2021 01:10:02.699	6773.330193	6773.407263	0							
.00337318	51.557813	71.819298	55.544569							
418.118167	372.422359	5547.812367	1							
050										
10 Mar 2021 16:32:43.189	6773.278028	6773.355629	0							
.00338481	51.557855	73.420624	52.315032							
418.145140	372.292118	5547.748931	1							
060										
11 Mar 2021 07:55:23.054	6773.225180	6773.303261	0							
.00339526	51.557936	75.036315	49.085453							
418.163397	372.169126	5547.684592	1							
070										
11 Mar 2021 23:18:02.287	6773.171822	6773.250331	0							
.00340455	51.558052	76.666341	45.855851							
418.173205	372.053457	5547.619563	1							
080										
12 Mar 2021 14:40:40.880	6773.117836	6773.196717	0							
.00341264	51.558195	78.311278	42.626240							
418.174178	371.945256	5547.553695	1							
090										
13 Mar 2021 06:03:18.826	6773.063261	6773.142460	0							
.00341951	51.558353	79.971430	39.396630							
418.166274	371.844646	5547.487036	1							
100										
13 Mar 2021 21:25:56.119	6773.008267	6773.087727	0							
.00342518	51.558510	81.646960	36.167022							
418.149759	371.751696	5547.419794	1							
110										
14 Mar 2021 12:48:32.752	6772.952770	6773.032436	0							
.00342961	51.558654	83.338439	32.937412							
418.124281	371.666591	5547.351866	1							
120										
15 Mar 2021 04:11:08.719	6772.896828	6772.976641	0							
.00343278	51.558773	85.046251	29.707789							
418.089803	371.589478	5547.283318	1							
130										
15 Mar 2021 19:33:44.015	6772.840588	6772.920490	0							
.00343472	51.558858	86.770743	26.478139							
418.046561	371.520418	5547.214334	1							
140										
16 Mar 2021 10:56:18.636	6772.783981	6772.863912	0							
.00343537	51.558907	88.512452	23.248448							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Coefficient
270	416.643711	371.426303	110.937465	51.558778	6772.039649	344.486621	5546.294817	371.426303	110.937465	1
24 Mar 2021 18:48:45.994		6772.039649	6772.114354							0
280	416.469880	371.484828	112.950912	51.558771	6772.114354	341.256170	5546.223992	371.484828	112.950912	1
25 Mar 2021 10:11:10.943		6771.982901	6772.056774							0
290	416.286480	371.553068	114.989768	51.558724	6771.982901	338.025688	5546.153256	371.553068	114.989768	1
26 Mar 2021 01:33:35.201		6771.926272	6771.999254							0
300	416.093531	371.630976	117.054966	51.558628	6771.926272	334.795159	5546.082595	371.630976	117.054966	1
26 Mar 2021 16:55:58.768		6771.869734	6771.941769							0
310	415.891261	371.718276	119.148114	51.558479	6771.869734	331.564560	5546.011977	371.718276	119.148114	1
27 Mar 2021 08:18:21.644		6771.813269	6771.884301							0
320	415.679502	371.815101	121.269804	51.558283	6771.813269	328.333867	5545.941381	371.815101	121.269804	1
27 Mar 2021 23:40:43.827		6771.756846	6771.826824							0
330	415.458500	371.921148	123.421856	51.558053	6771.756846	325.103055	5545.870773	371.921148	123.421856	1
28 Mar 2021 15:03:05.318		6771.700435	6771.769306							0
340	415.228083	372.036529	125.605076	51.557812	6771.700435	321.872111	5545.800116	372.036529	125.605076	1
29 Mar 2021 06:25:26.115		6771.643985	6771.711699							0
350	414.988273	372.161125	127.820864	51.557584	6771.643985	318.641027	5545.729349	372.161125	127.820864	1
29 Mar 2021 21:47:46.215		6771.587488	6771.653999							0
360	414.739362	372.294636	130.071371	51.557392	6771.587488	315.409814	5545.658469	372.294636	130.071371	1
30 Mar 2021 13:10:05.617		6771.530864	6771.596125							0
370	414.481133	372.437117	132.357546	51.557252	6771.530864	312.178491	5545.587376	372.437117	132.357546	1
31 Mar 2021 04:32:24.319		6771.474058	6771.538027							0
380	414.213633	372.588421	134.681006	51.557172	6771.474058	308.947089	5545.516006	372.588421	134.681006	1

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31 Mar 2021 19:54:42.315	6771.417097	6771.479732	0.00304136	51.557143	137.044078	305.715640	413.937238	372.748227	5545.444396	0
1 Apr 2021 11:16:59.604	6771.359861	6771.421124	0.00300788	51.557150	139.447822	302.484174	413.651753	372.916496	5545.372402	0
2 Apr 2021 02:39:16.181	6771.302300	6771.362156	0.00297313	51.557167	141.893990	299.252712	413.357318	373.092993	5545.299965	0
2 Apr 2021 18:01:32.039	6771.244481	6771.302897	0.00293719	51.557168	144.385054	296.021259	413.054468	373.277325	5545.227171	0
3 Apr 2021 09:23:47.174	6771.186258	6771.243206	0.00290004	51.557131	146.922247	292.789809	412.743104	373.469308	5545.153847	0
4 Apr 2021 00:46:01.580	6771.127597	6771.183051	0.00286175	51.557043	149.507539	289.558343	412.423516	373.668586	5545.079953	0
4 Apr 2021 16:08:15.249	6771.068607	6771.122546	0.00282241	51.556902	152.143641	286.326836	412.096421	373.874671	5545.005630	0
5 Apr 2021 07:30:28.177	6771.009134	6771.061540	0.00278203	51.556717	154.832074	283.095258	411.761852	374.087228	5544.930692	0
5 Apr 2021 22:52:40.355	6770.949313	6771.000174	0.00274073	51.556505	157.575724	279.863587	411.420642	374.305707	5544.855312	0
6 Apr 2021 14:14:51.777	6770.888994	6770.938301	0.00269854	51.556288	160.376289	276.631805	411.072923	374.529678	5544.779309	0
7 Apr 2021 05:37:02.437	6770.828181	6770.875928	0.00265554	51.556089	163.236152	273.399905	410.719270	374.758586	5544.702693	0
7 Apr 2021 20:59:12.327	6770.767039	6770.813229	0.00261187	51.555928	166.158336	270.167888	410.360679	374.991779	5544.625676	0

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500										
8 Apr 2021 12:21:21.442	6770.705441	6770.750077	0							
.00256757	51.555818	169.144623	266.935765							
409.997478	375.228676	5544.548103	1							
510										
9 Apr 2021 03:43:29.776	6770.643420	6770.686512	0							
.00252278	51.555765	172.197357	263.703551							
409.630437	375.468586	5544.470023	1							
520										
9 Apr 2021 19:05:37.324	6770.581158	6770.622720	0							
.00247762	51.555770	175.319388	260.471264							
409.260718	375.710721	5544.391665	1							
530										
10 Apr 2021 10:27:44.080	6770.518562	6770.558614	0							
.00243219	51.555823	178.512207	257.238924							
408.888894	375.954334	5544.312922	1							
540										
11 Apr 2021 01:49:50.041	6770.455696	6770.494261	0							
.00238663	51.555910	181.777696	254.006547							
408.515952	376.198570	5544.233875	1							
550										
11 Apr 2021 17:11:55.204	6770.392731	6770.429838	0							
.00234112	51.556015	185.118072	250.774147							
408.143204	376.442473	5544.154744	1							
560										
12 Apr 2021 08:33:59.565	6770.329626	6770.365309	0							
.00229577	51.556120	188.533981	247.541730							
407.771499	376.685119	5544.075482	1							
570										
12 Apr 2021 23:56:03.124	6770.266448	6770.300746	0							
.00225077	51.556206	192.026599	244.309300							
407.402112	376.925379	5543.996178	1							
580										
13 Apr 2021 15:18:05.878	6770.203361	6770.236316	0							
.00220627	51.556260	195.596141	241.076851							
407.036313	377.162320	5543.917040	1							
590										
14 Apr 2021 06:40:07.830	6770.140363	6770.172022	0							
.00216247	51.556270	199.241992	237.844376							
406.675293	377.394752	5543.838068	1							
600										
14 Apr 2021 22:02:08.979	6770.077564	6770.107978	0							
.00211954	51.556234	202.963787	234.611863							
406.320519	377.621438	5543.759403	1							
610										
15 Apr 2021 13:24:09.328	6770.015002	6770.044227	0							
.00207769	51.556152	206.758931	231.379298							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
740	402.874788	379.495230	255.881741	192.582822	5542.794034	1				
23 Apr 2021 21:09:03.460	6769.246231	6769.266135	0							
750	402.736802	379.521469	259.978528	189.349489	5542.725410	1				
24 Apr 2021 12:30:53.242	6769.191241	6769.210934	0							
760	402.619671	379.528197	264.019993	186.116117	5542.657611	1				
25 Apr 2021 03:52:42.329	6769.136809	6769.156359	0							
770	402.523214	379.515504	267.995276	182.882687	5542.590582	1				
25 Apr 2021 19:14:30.729	6769.082805	6769.102281	0							
780	402.447063	379.483499	271.896178	179.649177	5542.524163	1				
26 Apr 2021 10:36:18.448	6769.029252	6769.048718	0							
790	402.390751	379.432686	275.712824	176.415569	5542.458378	1				
27 Apr 2021 01:58:05.491	6768.976080	6768.995601	0							
800	402.353635	379.363567	279.438304	173.181847	5542.393140	1				
27 Apr 2021 17:19:51.865	6768.923177	6768.942815	0							
810	402.335007	379.276622	283.068694	169.948011	5542.328308	1				
28 Apr 2021 08:41:37.573	6768.870518	6768.890331	0							
820	402.334002	379.172659	286.598533	166.714068	5542.263849	1				
29 Apr 2021 00:03:22.619	6768.817814	6768.837861	0							
830	402.349497	379.052225	290.026210	163.480036	5542.199407	1				
29 Apr 2021 15:25:07.004	6768.765407	6768.785742	0							
840	402.381064	378.916421	293.350237	160.245940	5542.135396	1				
30 Apr 2021 06:46:50.732	6768.713015	6768.733694	0							
850	402.427413	378.765975	296.570075	157.011804	5542.071472	1				

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

970										
8 May 2021 14:28:18.814	6768.006401	6768.035651								0
.00207887	51.554120	330.296492				114.964493				
403.968524	375.828778	5541.214184								1
980										
9 May 2021 05:49:53.108	6767.948659	6767.978836								0
.00211160	51.554083	332.403920				111.729582				
404.133072	375.550600	5541.144410								1
990										
9 May 2021 21:11:26.690	6767.890451	6767.921589								0
.00214496	51.554095	334.462255				108.494629				
404.301498	375.267680	5541.074105								2
000										
10 May 2021 12:32:59.554	6767.831677	6767.863807								0
.00217888	51.554154	336.474063				105.259650				
404.473196	374.980419	5541.003144								2
010										
11 May 2021 03:54:31.695	6767.772368	6767.805522								0
.00221332	51.554252	338.442595				102.024655				
404.647818	374.689227	5540.931565								2
020										
11 May 2021 19:16:03.108	6767.712655	6767.746862								0
.00224821	51.554378	340.371644				98.789653				
404.825193	374.394531	5540.859526								2
030										
12 May 2021 10:37:33.787	6767.652482	6767.687771								0
.00228351	51.554516	342.263292				95.554644				
405.004882	374.096660	5540.786958								2
040										
13 May 2021 01:59:03.729	6767.591902	6767.628303								0
.00231918	51.554652	344.120217				92.319623				
405.186645	373.795960	5540.713927								2
050										
13 May 2021 17:20:32.930	6767.531028	6767.568566								0
.00235517	51.554770	345.945590				89.084582				
405.370328	373.492804	5540.640567								2
060										
14 May 2021 08:42:01.386	6767.469856	6767.508560								0
.00239144	51.554858	347.741046				85.849506				
405.555666	373.187453	5540.566876								2
070										
15 May 2021 00:03:29.094	6767.408376	6767.448270								0
.00242796	51.554909	349.509017				82.614378				
405.742391	372.880149	5540.492837								2
080										
15 May 2021 15:24:56.053	6767.346824	6767.387935								0
.00246471	51.554918	351.251646				79.379179				

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
30 May 2021 23:56:05.011	6765.940759	6766.016517	0							
.00334616	51.555166	29.074247	1.713681							
410.519691	365.239342	5538.734671	2							
330										
31 May 2021 15:17:14.334	6765.886672	6765.963975	0							
.00338014	51.555242	30.585121	358.476966							
410.696888	364.957063	5538.670155	2							
340										
1 Jun 2021 06:38:23.015	6765.832817	6765.911662	0							
.00341369	51.555299	32.096626	355.240244							
410.871372	364.677952	5538.605918	2							
350										
1 Jun 2021 21:59:31.057	6765.779081	6765.859459	0							
.00344673	51.555328	33.609478	352.003502							
411.042541	364.402378	5538.541819	2							
360										
2 Jun 2021 13:20:38.462	6765.725507	6765.807409	0							
.00347927	51.555322	35.123963	348.766724							
411.210454	364.130364	5538.477906	2							
370										
3 Jun 2021 04:41:45.232	6765.672055	6765.755470	0							
.00351127	51.555281	36.640539	345.529893							
411.374831	363.862109	5538.414131	2							
380										
3 Jun 2021 20:02:51.369	6765.618644	6765.703557	0							
.00354266	51.555212	38.159764	342.292992							
411.535125	363.597988	5538.350387	2							
390										
4 Jun 2021 11:23:56.873	6765.565298	6765.651692	0							
.00357344	51.555123	39.681884	339.056009							
411.691370	363.338014	5538.286703	2							
400										
5 Jun 2021 02:45:01.745	6765.511989	6765.599846	0							
.00360359	51.555028	41.207288	335.818936							
411.843318	363.082374	5538.223043	2							
410										
5 Jun 2021 18:06:05.987	6765.458664	6765.547963	0							
.00363304	51.554939	42.736435	332.581772							
411.990501	362.831425	5538.159336	2							
420										
6 Jun 2021 09:27:09.597	6765.405342	6765.496059	0							
.00366180	51.554868	44.269600	329.344520							
412.132950	362.585167	5538.095604	2							
430										
7 Jun 2021 00:48:12.577	6765.352009	6765.444119	0							
.00368983	51.554824	45.807165	326.107189							
412.270463	362.343775	5538.031830	2							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

440										
7 Jun 2021 16:09:14.927	6765.298635	6765.392111	0							
.00371708	51.554812	47.349540	322.869793							
412.402643	362.107578	5537.967970	2							
450										
8 Jun 2021 07:30:16.646	6765.245245	6765.340056	0							
.00374356	51.554832	48.897080	319.632348							
412.529529	361.876584	5537.904055	2							
460										
8 Jun 2021 22:51:17.734	6765.191818	6765.287932	0							
.00376922	51.554881	50.450177	316.394868							
412.650757	361.651107	5537.840054	2							
470										
9 Jun 2021 14:12:18.193	6765.138388	6765.235772	0							
.00379404	51.554949	52.009255	313.157368							
412.766373	361.431171	5537.776009	2							
480										
10 Jun 2021 05:33:18.021	6765.084972	6765.183590	0							
.00381802	51.555025	53.574759	309.919859							
412.876224	361.216956	5537.711938	2							
490										
10 Jun 2021 20:54:17.219	6765.031554	6765.131367	0							
.00384111	51.555096	55.147060	306.682347							
412.979978	361.008757	5537.647817	2							
500										
11 Jun 2021 12:15:15.788	6764.978192	6765.079162	0							
.00386330	51.555145	56.726695	303.444834							
413.077680	360.806643	5537.583717	2							
510										
12 Jun 2021 03:36:13.729	6764.924920	6765.027003	0							
.00388457	51.555162	58.314149	300.207313							
413.169191	360.610815	5537.519676	2							
520										
12 Jun 2021 18:57:11.042	6764.871713	6764.974865	0							
.00390487	51.555134	59.909762	296.969773							
413.254181	360.421550	5537.455660	2							
530										
13 Jun 2021 10:18:07.729	6764.818660	6764.922835	0							
.00392419	51.555059	61.514166	293.732197							
413.332693	360.238977	5537.391776	2							
540										
14 Jun 2021 01:39:03.791	6764.765799	6764.870948	0							
.00394252	51.554937	63.127867	290.494565							
413.404582	360.063314	5537.328068	2							
550										
14 Jun 2021 16:59:59.231	6764.713087	6764.819159	0							
.00395980	51.554777	64.751139	287.256858							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

.00407786	51.554062	85.148406	248.398457							
413.664017	358.496931	5536.525744								2
680										
23 Jun 2021 00:31:04.806	6764.056911	6764.169494								0
.00407972	51.553879	86.938495	245.160111							
413.628416	358.436573	5536.466837								2
690										
23 Jun 2021 15:51:51.908	6764.009148	6764.121763								0
.00408029	51.553627	88.744672	241.921711							
413.584355	358.385170	5536.408234								2
700										
24 Jun 2021 07:12:38.447	6763.961813	6764.074386								0
.00407957	51.553329	90.567997	238.683230							
413.531892	358.342881	5536.350069								2
710										
24 Jun 2021 22:33:24.425	6763.914801	6764.027261								0
.00407753	51.553019	92.408617	235.444647							
413.470788	358.309734	5536.292211								2
720										
25 Jun 2021 13:54:09.846	6763.868179	6763.980453								0
.00407417	51.552731	94.267598	232.205953							
413.401067	358.285840	5536.234744								2
730										
26 Jun 2021 05:14:54.716	6763.821919	6763.933934								0
.00406948	51.552495	96.145530	228.967151							
413.322612	358.271256	5536.177630								2
740										
26 Jun 2021 20:35:39.036	6763.775935	6763.887617								0
.00406343	51.552330	98.042516	225.728253							
413.235220	358.266014	5536.120766								2
750										
27 Jun 2021 11:56:22.809	6763.730259	6763.841534								0
.00405603	51.552243	99.959603	222.489279							
413.138897	358.270171	5536.064189								2
760										
28 Jun 2021 03:17:06.040	6763.684854	6763.795648								0
.00404727	51.552230	101.897372	219.250250							
413.033553	358.283742	5536.007854								2
770										
28 Jun 2021 18:37:48.729	6763.639663	6763.749901								0
.00403713	51.552276	103.855958	216.011185							
412.919068	358.306735	5535.951690								2
780										
29 Jun 2021 09:58:30.879	6763.594679	6763.704289								0
.00402563	51.552358	105.836451	212.772101							
412.795457	358.339122	5535.895692								2
790										

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
30 Jun 2021 01:19:12.492	6763.549863	6763.658773	0							
.00401276	51.552451	107.839503	209.533008							
412.662683	358.380863	5535.839811	2							
800										
30 Jun 2021 16:39:53.567	6763.505191	6763.613328	0							
.00399851	51.552534	109.865352	206.293907							
412.520721	358.431936	5535.784019	2							
810										
1 Jul 2021 08:00:34.106	6763.460623	6763.567917	0							
.00398291	51.552585	111.915164	203.054795							
412.369596	358.492239	5535.728268	2							
820										
1 Jul 2021 23:21:14.108	6763.416153	6763.522535	0							
.00396595	51.552591	113.989236	199.815661							
412.209323	358.561747	5535.672553	2							
830										
2 Jul 2021 14:41:53.574	6763.371732	6763.477134	0							
.00394765	51.552549	116.088850	196.576497							
412.039999	358.640268	5535.616814	2							
840										
3 Jul 2021 06:02:32.501	6763.327326	6763.431682	0							
.00392803	51.552460	118.214833	193.337288							
411.861668	358.727696	5535.561014	2							
850										
3 Jul 2021 21:23:10.890	6763.282967	6763.386213	0							
.00390710	51.552332	120.367631	190.098025							
411.674431	358.823995	5535.505192	2							
860										
4 Jul 2021 12:43:48.738	6763.238580	6763.340653	0							
.00388487	51.552180	122.548539	186.858696							
411.478328	358.928978	5535.449259	2							
870										
5 Jul 2021 04:04:26.044	6763.194144	6763.294985	0							
.00386135	51.552020	124.758467	183.619299							
411.273445	359.042525	5535.393194	2							
880										
5 Jul 2021 19:25:02.807	6763.149718	6763.249268	0							
.00383657	51.551872	126.997957	180.379832							
411.059942	359.164593	5535.337068	2							
890										
6 Jul 2021 10:45:39.025	6763.105218	6763.203421	0							
.00381054	51.551752	129.268482	177.140299							
410.837874	359.294969	5535.280785	2							
900										
7 Jul 2021 02:06:14.694	6763.060637	6763.157440	0							
.00378328	51.551676	131.570992	173.900709							
410.607360	359.433520	5535.224335	2							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
910										
7 Jul 2021 17:26:49.815	6763.016052	6763.111402	0							
.00375481	51.551653	133.906122	170.661071							
410.368624	359.580180	5535.167816	2							
920										
8 Jul 2021 08:47:24.384	6762.971381	6763.065231	0							
.00372516	51.551689	136.275254	167.421397							
410.121762	359.734700	5535.111134	2							
930										
9 Jul 2021 00:07:58.401	6762.926761	6763.019064	0							
.00369436	51.551780	138.679183	164.181701							
409.867086	359.897042	5535.054458	2							
940										
9 Jul 2021 15:28:31.863	6762.882014	6762.972729	0							
.00366243	51.551918	141.119128	160.941993							
409.604674	360.066783	5534.997574	2							
950										
10 Jul 2021 06:49:04.769	6762.837202	6762.926288	0							
.00362942	51.552087	143.596256	157.702278							
409.334812	360.243765	5534.940562	2							
960										
10 Jul 2021 22:09:37.116	6762.792411	6762.879833	0							
.00359537	51.552268	146.111341	154.462560							
409.057883	360.427783	5534.883532	2							
970										
11 Jul 2021 13:30:08.903	6762.747581	6762.833306	0							
.00356031	51.552438	148.665796	151.222833							
408.774122	360.618489	5534.826414	2							
980										
12 Jul 2021 04:50:40.128	6762.702730	6762.786729	0							
.00352431	51.552575	151.260715	147.983086							
408.483891	360.815566	5534.769235	2							
990										
12 Jul 2021 20:11:10.789	6762.657936	6762.740185	0							
.00348742	51.552662	153.896900	144.743304							
408.187697	361.018673	5534.712097	3							
000										
13 Jul 2021 11:31:40.886	6762.613157	6762.693636	0							
.00344970	51.552687	156.575722	141.503466							
407.885882	361.227390	5534.654952	3							
010										
14 Jul 2021 02:52:10.417	6762.568414	6762.647107	0							
.00341121	51.552648	159.298236	138.263552							
407.578921	361.441292	5534.597833	3							
020										
14 Jul 2021 18:12:39.380	6762.523769	6762.600664	0							
.00337204	51.552555	162.065193	135.023545							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
30 Jul 2021 02:21:25.346	6761.485951	6761.528185	0							
.00249924	51.553492	242.010381	57.248494							
400.289871	366.492498	5533.224289	3							
270										
30 Jul 2021 17:41:40.253	6761.442670	6761.484247	0							
.00247974	51.553628	245.697815	54.007448							
400.113992	366.580502	5533.170355	3							
280										
31 Jul 2021 09:01:54.596	6761.399122	6761.440128	0							
.00246265	51.553745	249.375422	50.766400							
399.954208	366.652048	5533.116199	3							
290										
1 Aug 2021 00:22:08.370	6761.355315	6761.395836	0							
.00244804	51.553835	253.036652	47.525335							
399.810975	366.706697	5533.061830	3							
300										
1 Aug 2021 15:42:21.575	6761.311222	6761.351343	0							
.00243596	51.553891	256.674887	44.284239							
399.684743	366.743943	5533.007216	3							
310										
2 Aug 2021 07:02:34.206	6761.266775	6761.306583	0							
.00242645	51.553914	260.284455	41.043096							
399.575552	366.763614	5532.952273	3							
320										
2 Aug 2021 22:22:46.262	6761.222041	6761.261622	0							
.00241953	51.553908	263.858834	37.801892							
399.483714	366.765531	5532.897084	3							
330										
3 Aug 2021 13:42:57.738	6761.176914	6761.216353	0							
.00241520	51.553881	267.393150	34.560615							
399.409030	366.749676	5532.841518	3							
340										
4 Aug 2021 05:03:08.631	6761.131378	6761.170759	0							
.00241344	51.553843	270.882316	31.319261							
399.351410	366.716108	5532.785552	3							
350										
4 Aug 2021 20:23:18.939	6761.085514	6761.124921	0							
.00241423	51.553805	274.321141	28.077827							
399.310861	366.664982	5532.729287	3							
360										
5 Aug 2021 11:43:28.657	6761.039221	6761.078737	0							
.00241754	51.553779	277.706226	24.836317							
399.286913	366.596560	5532.672597	3							
370										
6 Aug 2021 03:03:37.782	6760.992497	6761.032201	0							
.00242330	51.553773	281.034130	21.594741							
399.279216	366.511185	5532.615475	3							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

380										
6 Aug 2021 18:23:46.311	6760.945433	6760.985404								0
.00243147	51.553794	284.301469				18.353112				
399.287531	366.409276	5532.558034								3
390										
7 Aug 2021 09:43:54.240	6760.897944	6760.938260								0
.00244196	51.553841	287.506593				15.111443				
399.311196	366.291324	5532.500167								3
400										
8 Aug 2021 01:04:01.567	6760.850041	6760.890779								0
.00245469	51.553912	290.647865				11.869751				
399.349684	366.157874	5532.441886								3
410										
8 Aug 2021 16:24:08.286	6760.801814	6760.843048								0
.00246959	51.553997	293.723752				8.628046				
399.402591	366.009504	5532.383299								3
420										
9 Aug 2021 07:44:14.397	6760.753200	6760.795002								0
.00248656	51.554083	296.734228				5.386337				
399.469149	365.846855	5532.324326								3
430										
9 Aug 2021 23:04:19.896	6760.704282	6760.746723								0
.00250552	51.554155	299.678852				2.144623				
399.548898	365.670549	5532.265066								3
440										
10 Aug 2021 14:24:24.779	6760.655013	6760.698163								0
.00252635	51.554198	302.558500				358.902897				
399.641043	365.481282	5532.205461								3
450										
11 Aug 2021 05:44:29.045	6760.605419	6760.649345								0
.00254896	51.554201	305.374005				355.661143				
399.744949	365.279740	5532.145540								3
460										
11 Aug 2021 21:04:32.691	6760.555564	6760.600331								0
.00257326	51.554158	308.126242				352.419341				
399.860128	365.066534	5532.085379								3
470										
12 Aug 2021 12:24:35.715	6760.505428	6760.551100								0
.00259915	51.554071	310.817075				349.177466				
399.985790	364.842410	5532.024952								3
480										
13 Aug 2021 03:44:38.114	6760.455036	6760.501674								0
.00262652	51.553952	313.448272				345.935497				
400.121297	364.608051	5531.964286								3
490										
13 Aug 2021 19:04:39.887	6760.404425	6760.452091								0
.00265531	51.553817	316.021577				342.693418				

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
29 Aug 2021 03:02:09.305	6759.095918	6759.180975	0							
.00354739	51.552745	6.058540	264.865921							
405.021393	357.066557	5530.343319	3							
740										
29 Aug 2021 18:21:54.493	6759.033117	6759.120031	0							
.00358590	51.552767	7.854596	261.622478							
405.220576	356.745485	5530.268522	3							
750										
30 Aug 2021 09:41:38.921	6758.969052	6759.057824	0							
.00362407	51.552749	9.639877	258.379006							
405.416095	356.425553	5530.192177	3							
760										
31 Aug 2021 01:01:22.574	6758.903656	6758.994288	0							
.00366183	51.552687	11.415339	255.135490							
405.607596	356.106980	5530.114199	3							
770										
31 Aug 2021 16:21:05.435	6758.837084	6758.929574	0							
.00369921	51.552584	13.181920	251.891914							
405.795286	355.789863	5530.034778	3							
780										
1 Sep 2021 07:40:47.491	6758.769079	6758.863423	0							
.00373611	51.552448	14.940453	248.648260							
405.978310	355.474536	5529.953593	3							
790										
1 Sep 2021 23:00:28.725	6758.699825	6758.796017	0							
.00377255	51.552293	16.691793	245.404512							
406.156930	355.161103	5529.870867	3							
800										
2 Sep 2021 14:20:09.120	6758.629064	6758.727094	0							
.00380844	51.552135	18.436681	242.160660							
406.330320	354.849869	5529.786282	3							
810										
3 Sep 2021 05:39:48.659	6758.556772	6758.656627	0							
.00384375	51.551995	20.175851	238.916694							
406.498232	354.541022	5529.699801	3							
820										
3 Sep 2021 20:59:27.324	6758.483167	6758.584834	0							
.00387850	51.551890	21.910087	235.672614							
406.661003	354.234666	5529.611693	3							
830										
4 Sep 2021 12:19:05.100	6758.408009	6758.511472	0							
.00391261	51.551838	23.640013	232.428424							
406.817881	353.931063	5529.521660	3							
840										
5 Sep 2021 03:38:41.967	6758.331307	6758.436545	0							
.00394605	51.551847	25.366283	229.184135							
406.968700	353.630389	5529.429707	3							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
5 Sep 2021 18:58:17.909	6758.253297	6758.360290	0.00397886	51.551922	27.089651	225.939761	407.113838	353.332743	5529.336126	3
6 Sep 2021 10:17:52.909	6758.173780	6758.282506	0.00401095	51.552053	28.810620	222.695319	407.252636	353.038375	5529.240667	3
7 Sep 2021 01:37:26.949	6758.092797	6758.203228	0.00404231	51.552226	30.529763	219.450828	407.384988	352.747468	5529.143377	3
7 Sep 2021 16:57:00.015	6758.010587	6758.122697	0.00407296	51.552414	32.247809	216.206299	407.511250	352.460145	5529.044549	3
8 Sep 2021 08:16:32.089	6757.927008	6758.040768	0.00410283	51.552589	33.965096	212.961740	407.630850	352.176686	5528.944005	3
8 Sep 2021 23:36:03.158	6757.842287	6757.957665	0.00413193	51.552720	35.682317	209.717150	407.744091	351.897239	5528.842023	3
9 Sep 2021 14:55:33.207	6757.756334	6757.873295	0.00416021	51.552785	37.399695	206.472519	407.850462	351.622128	5528.738486	3
10 Sep 2021 06:15:02.221	6757.669235	6757.787742	0.00418763	51.552769	39.117592	203.227830	407.949880	351.351604	5528.633497	3
10 Sep 2021 21:34:30.187	6757.581184	6757.701198	0.00421421	51.552675	40.836685	199.983062	408.042553	351.085843	5528.527293	3
11 Sep 2021 12:53:57.094	6757.492161	6757.613640	0.00423988	51.552518	42.556982	196.738195	408.128096	350.825183	5528.419845	3
12 Sep 2021 04:13:22.931	6757.402271	6757.525170	0.00426462	51.552329	44.278772	193.493213	408.206471	350.569869	5528.311280	3
12 Sep 2021 19:32:47.688	6757.311650	6757.435925	0.00428845	51.552144	46.002781	190.248110				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
090	408.569800	347.816649	66.959702	51.552569	6756.099700	151.300835	408.569800	347.816649	5526.844973	4
21 Sep 2021 02:43:28.677					6756.236896					0
100	408.545324	347.654467	68.738318	51.552412	6756.099700	148.054685	408.545324	347.654467	5526.730455	4
21 Sep 2021 18:02:37.824					6756.143361					0
110	408.512558	347.500164	70.523986	51.552228	6755.911514	144.808402	408.512558	347.500164	5526.615686	4
22 Sep 2021 09:21:45.844					6756.049737					0
120	408.471548	347.353926	72.316211	51.552039	6755.911514	141.561986	408.471548	347.353926	5526.500808	4
23 Sep 2021 00:40:52.734					6755.817357					0
130	408.422118	347.215849	74.115329	51.551867	6755.817357	138.315446	408.422118	347.215849	5526.385771	4
23 Sep 2021 15:59:58.493					6755.722979					0
140	408.363869	347.085995	75.922550	51.551728	6755.722979	135.068792	408.363869	347.085995	5526.270370	4
24 Sep 2021 07:19:03.118					6755.628443					0
150	408.296834	346.964455	77.737387	51.551634	6755.628443	131.822038	408.296834	346.964455	5526.154681	4
24 Sep 2021 22:38:06.605					6755.533588					0
160	408.220627	346.851292	79.561092	51.551591	6755.533588	128.575198	408.220627	346.851292	5526.038504	4
25 Sep 2021 13:57:08.951					6755.438438					0
170	408.135258	346.746540	81.393207	51.551598	6755.438438	125.328287	408.135258	346.746540	5525.921868	4
26 Sep 2021 05:16:10.150					6755.342908					0
180	408.040533	346.650224	83.234163	51.551648	6755.342908	122.081315	408.040533	346.650224	5525.804667	4
26 Sep 2021 20:35:10.198					6755.246867					0
190	407.936099	346.562429	85.085279	51.551729	6755.246867	118.834289	407.936099	346.562429	5525.686739	4
27 Sep 2021 11:54:09.085					6755.150280					0
200	407.821921	346.483121	86.946175	51.551828	6755.150280	115.587209	407.821921	346.483121	5525.568040	4

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
28 Sep 2021 03:13:06.806	6755.053053	6755.192054	0.00453618	51.551929	88.817366	112.340073	407.697798	346.412310	5525.448455	4
28 Sep 2021 18:32:03.349	6754.955104	6755.093780	0.00453090	51.552015	90.700233	109.092871	407.563431	346.350130	5525.327879	4
29 Sep 2021 09:50:58.705	6754.856351	6754.994616	0.00452423	51.552075	92.594501	105.845589	407.418739	346.296493	5525.206213	4
30 Sep 2021 01:09:52.863	6754.756708	6754.894478	0.00451614	51.552098	94.500769	102.598210	407.263539	346.251417	5525.083352	4
30 Sep 2021 16:28:45.810	6754.656150	6754.793337	0.00450661	51.552083	96.420458	99.350716	407.097588	346.215085	5524.959262	4
1 Oct 2021 07:47:37.533	6754.554569	6754.691087	0.00449565	51.552031	98.353398	96.103091	406.920797	346.187376	5524.833812	4
1 Oct 2021 23:06:28.019	6754.451974	6754.587736	0.00448321	51.551952	100.301020	92.855321	406.732968	346.168504	5524.707013	4
2 Oct 2021 14:25:17.252	6754.348259	6754.483177	0.00446931	51.551861	102.263212	89.607399	406.534030	346.158324	5524.578732	4
3 Oct 2021 05:44:05.218	6754.243387	6754.377377	0.00445393	51.551774	104.240661	86.359323	406.323887	346.156867	5524.448929	4
3 Oct 2021 21:02:51.901	6754.137415	6754.270389	0.00443705	51.551712	106.234763	83.111101	406.102412	346.164366	5524.317671	4
4 Oct 2021 12:21:37.287	6754.030261	6754.162134	0.00441868	51.551693	108.245501	79.862749	405.869626	346.180643	5524.184859	4
5 Oct 2021 03:40:21.360	6753.921934	6754.052622	0.00439883	51.551728	110.273591	76.614290	405.625539	346.205706	5524.050506	4

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
5 Oct 2021 18:59:04.104	6753.812517	6753.941937	.00437747	51.551822	112.320389	73.365747	405.370108	346.239767	5523.914715	0
6 Oct 2021 10:17:45.506	6753.701983	6753.830055	.00435464	51.551971	114.386012	70.117146	405.103521	346.282589	5523.777456	0
7 Oct 2021 01:36:25.549	6753.590390	6753.717035	.00433034	51.552158	116.471264	66.868503	404.825943	346.334126	5523.638802	0
7 Oct 2021 16:55:04.221	6753.477821	6753.602962	.00430458	51.552364	118.577520	63.619827	404.537397	346.394526	5523.498858	0
8 Oct 2021 08:13:41.508	6753.364333	6753.487896	.00427741	51.552562	120.705151	60.371114	404.238305	346.463487	5523.357697	0
8 Oct 2021 23:32:17.398	6753.249869	6753.371784	.00424882	51.552729	122.855395	57.122348	403.928642	346.540925	5523.215254	0
9 Oct 2021 14:50:51.878	6753.134795	6753.254995	.00421887	51.552846	125.029239	53.873502	403.609108	346.626883	5523.071982	0
10 Oct 2021 06:09:24.940	6753.019107	6753.137530	.00418761	51.552908	127.227626	50.624545	403.280009	346.721051	5522.927881	0
10 Oct 2021 21:27:56.575	6752.902829	6753.019414	.00415502	51.552917	129.452084	47.375450	402.941331	346.823498	5522.782984	0
11 Oct 2021 12:46:26.774	6752.786175	6752.900867	.00412119	51.552888	131.703487	44.126193	402.593833	346.933902	5522.637559	0
12 Oct 2021 04:04:55.533	6752.669286	6752.782035	.00408615	51.552841	133.983103	40.876767	402.237932	347.052138	5522.491784	0
12 Oct 2021 19:23:22.847	6752.552112	6752.662867	.00404990	51.552798	136.292412	37.627173				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
440	401.873487	347.178248	5522.345600	4						
13 Oct 2021 10:41:48.712	6752.434957	6752.543675	0							
.00401253	51.552777	138.632427	34.377426							
450	401.501447	347.311904	5522.199388	4						
14 Oct 2021 02:00:13.129	6752.317958	6752.424602	0							
.00397408	51.552787	141.004395	31.127547							
460	401.122268	347.452935	5522.053321	4						
14 Oct 2021 17:18:36.097	6752.200979	6752.305509	0							
.00393454	51.552832	143.409628	27.877557							
470	400.735710	347.601308	5521.907233	4						
15 Oct 2021 08:36:57.616	6752.084388	6752.186774	0							
.00389402	51.552904	145.849191	24.627479							
480	400.342939	347.756609	5521.761585	4						
15 Oct 2021 23:55:17.690	6751.967975	6752.068190	0							
.00385254	51.552992	148.324303	21.377325							
490	399.943794	347.918586	5521.616123	4						
16 Oct 2021 15:13:36.321	6751.852154	6751.950176	0							
.00381018	51.553079	150.836022	18.127102							
500	399.539353	348.086999	5521.471362	4						
17 Oct 2021 06:31:53.516	6751.737002	6751.832815	0							
.00376705	51.553152	153.385492	14.876806							
510	399.130305	348.261326	5521.327403	4						
17 Oct 2021 21:50:09.279	6751.622240	6751.715830	0							
.00372313	51.553198	155.973777	11.626428							
520	398.716339	348.441322	5521.183907	4						
18 Oct 2021 13:08:23.617	6751.508267	6751.599629	0							
.00367858	51.553209	158.601970	8.375953							
530	398.298939	348.626320	5521.041374	4						
19 Oct 2021 04:26:36.538	6751.395125	6751.484260	0							
.00363349	51.553185	161.271106	5.125365							
540	397.878725	348.815794	5520.899861	4						
19 Oct 2021 19:44:48.048	6751.282472	6751.369381	0							
.00358786	51.553128	163.982089	1.874649							
550	397.455368	349.009394	5520.758951	4						
20 Oct 2021 11:02:58.155	6751.170679	6751.255373	0							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

28 Oct 2021 02:39:12.371	6749.870290	6749.930906	0							
.00299670	51.552863	203.274435	319.603664							
392.021433	351.566380	5518.994632	4							
680										
28 Oct 2021 17:57:04.738	6749.762750	6749.821698	0							
.00295520	51.552845	206.600057	316.351411							
391.631770	351.737626	5518.860693	4							
690										
29 Oct 2021 09:14:55.745	6749.654903	6749.712253	0							
.00291488	51.552790	209.962319	313.099058							
391.249874	351.900632	5518.726465	4							
700										
30 Oct 2021 00:32:45.388	6749.546695	6749.602518	0							
.00287586	51.552698	213.358466	309.846587							
390.876422	352.054614	5518.591883	4							
710										
30 Oct 2021 15:50:33.661	6749.437869	6749.492239	0							
.00283819	51.552578	216.785751	306.593977							
390.511559	352.198919	5518.456634	4							
720										
31 Oct 2021 07:08:20.555	6749.328456	6749.381448	0							
.00280204	51.552443	220.240468	303.341210							
390.156518	352.332379	5518.320760	4							
730										
31 Oct 2021 22:26:06.063	6749.218371	6749.270063	0							
.00276748	51.552312	223.719041	300.088276							
389.811506	352.454620	5518.184157	4							
740										
1 Nov 2021 13:43:50.178	6749.107582	6749.158055	0							
.00273465	51.552205	227.217050	296.835171							
389.477664	352.564445	5518.046791	4							
750										
2 Nov 2021 05:01:32.890	6748.996045	6749.045380	0							
.00270368	51.552141	230.729993	293.581899							
389.155621	352.661139	5517.908609	4							
760										
2 Nov 2021 20:19:14.191	6748.883746	6748.932024	0							
.00267458	51.552134	234.253358	290.328479							
388.845593	352.744454	5517.769592	4							
770										
3 Nov 2021 11:36:54.072	6748.770656	6748.817961	0							
.00264751	51.552188	237.781908	287.074935							
388.548546	352.813375	5517.629710	4							
780										
4 Nov 2021 02:54:32.525	6748.656775	6748.703191	0							
.00262255	51.552298	241.310494	283.821296							
388.265002	352.867380	5517.488962	4							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
4 Nov 2021 18:12:09.540	6748.542128	6748.587738	.00259971	51.552444	244.834069	280.567591	387.995089	352.906386	5517.347377	4
5 Nov 2021 09:29:45.109	6748.426727	6748.471616	.00257910	51.552601	248.347179	277.313843	387.739586	352.929646	5517.204974	4
6 Nov 2021 00:47:19.225	6748.310618	6748.354871	.00256077	51.552737	251.844639	274.060064	387.498861	352.936881	5517.061807	4
6 Nov 2021 16:04:51.880	6748.193838	6748.237537	.00254471	51.552826	255.321453	270.806251	387.272870	352.928203	5516.917919	4
7 Nov 2021 07:22:23.066	6748.076467	6748.119696	.00253100	51.552847	258.772673	267.552388	387.062214	352.903177	5516.773411	4
7 Nov 2021 22:39:52.779	6747.958533	6748.001372	.00251961	51.552795	262.193642	264.298447	386.866698	352.862046	5516.628313	4
8 Nov 2021 13:57:21.013	6747.840169	6747.882701	.00251058	51.552676	265.580062	261.044396	386.686823	352.804579	5516.482789	4
9 Nov 2021 05:14:47.763	6747.721482	6747.763788	.00250392	51.552512	268.927971	257.790205	386.522663	352.730913	5516.336970	4
9 Nov 2021 20:32:13.029	6747.602461	6747.644619	.00249956	51.552330	272.233508	254.535852	386.373775	352.641462	5516.190839	4
10 Nov 2021 11:49:36.807	6747.483329	6747.525417	.00249753	51.552160	275.493679	251.281323	386.240557	352.536278	5516.044669	4
11 Nov 2021 03:06:59.099	6747.364208	6747.406305	.00249779	51.552029	278.705717	248.026618	386.122920	352.415690	5515.898610	4
11 Nov 2021 18:24:19.906	6747.245027	6747.287206	.00250026	51.551953	281.866795	244.771749				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
030	385.874133	349.651635	5514.051500	5						
20 Nov 2021 01:07:37.988	6745.739802	6745.789386	0							
040	385.941338	349.363435	5513.916020	5						
20 Nov 2021 16:24:38.738	6745.628915	6745.679518	0							
050	386.018135	349.066901	5513.781313	5						
21 Nov 2021 07:41:38.128	6745.518841	6745.570521	0							
060	386.104761	348.762282	5513.647676	5						
21 Nov 2021 22:58:36.169	6745.409287	6745.462102	0							
070	386.199978	348.450227	5513.514748	5						
22 Nov 2021 14:15:32.869	6745.300449	6745.354455	0							
080	386.303973	348.130938	5513.382769	5						
23 Nov 2021 05:32:28.236	6745.192254	6745.247509	0							
090	386.416196	347.804822	5513.251649	5						
23 Nov 2021 20:49:22.281	6745.084454	6745.141010	0							
100	386.535470	347.472550	5513.121078	5						
24 Nov 2021 12:06:15.008	6744.977165	6745.035075	0							
110	386.661897	347.134253	5512.991200	5						
25 Nov 2021 03:23:06.425	6744.870300	6744.929617	0							
120	386.794924	346.790310	5512.861908	5						
25 Nov 2021 18:39:56.537	6744.763669	6744.824442	0							
130	386.933478	346.441405	5512.732963	5						
26 Nov 2021 09:56:45.348	6744.657313	6744.719590	0							
140	387.077584	346.087596	5512.604417	5						

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
27 Nov 2021 01:13:32.863	6744.551145	6744.614975	0							
.00307634	51.551695	342.407684	166.622071							
387.226717	345.729233	5512.476161	5							
150										
27 Nov 2021 16:30:19.083	6744.445045	6744.510472	0							
.00311460	51.551731	344.425653	163.364547							
387.379944	345.367001	5512.348044	5							
160										
28 Nov 2021 07:47:04.010	6744.338993	6744.406061	0							
.00315345	51.551703	346.417645	160.106911							
387.537199	345.000923	5512.220039	5							
170										
28 Nov 2021 23:03:47.646	6744.232915	6744.301665	0							
.00319278	51.551611	348.384360	156.849147							
387.697721	344.631610	5512.092056	5							
180										
29 Nov 2021 14:20:29.989	6744.126766	6744.197240	0							
.00323259	51.551464	350.327893	153.591241							
387.861442	344.259039	5511.964038	5							
190										
30 Nov 2021 05:37:11.041	6744.020485	6744.092724	0							
.00327282	51.551281	352.249617	150.333182							
388.027914	343.883533	5511.835907	5							
200										
30 Nov 2021 20:53:50.800	6743.914065	6743.988104	0							
.00331337	51.551090	354.150272	147.074968							
388.196444	343.505764	5511.707652	5							
210										
1 Dec 2021 12:10:29.264	6743.807435	6743.883310	0							
.00335424	51.550922	356.031858	143.816608							
388.366914	343.125706	5511.579184	5							
220										
2 Dec 2021 03:27:06.432	6743.700562	6743.778307	0							
.00339537	51.550806	357.895781	140.558119							
388.538926	342.743688	5511.450461	5							
230										
2 Dec 2021 18:43:42.304	6743.593489	6743.673137	0							
.00343666	51.550764	359.742783	137.299526							
388.711873	342.360400	5511.321533	5							
240										
3 Dec 2021 10:00:16.875	6743.486143	6743.567721	0							
.00347810	51.550803	1.574755	134.040854							
388.885542	341.975901	5511.192306	5							
250										
4 Dec 2021 01:16:50.146	6743.378519	6743.462055	0							
.00351963	51.550917	3.392953	130.782126							
389.059523	341.590588	5511.062773	5							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
4 Dec 2021 16:33:22.113	6743.270695	6743.356213	.00356115	51.551085	5.198007	127.523358	389.233307	341.205119	5510.933025	0
5 Dec 2021 07:49:52.775	6743.162614	6743.250135	.00360264	51.551276	6.991594	124.264552	389.406645	340.819625	5510.802989	0
5 Dec 2021 23:06:22.131	6743.054363	6743.143905	.00364402	51.551457	8.774179	121.005699	389.579089	340.434721	5510.672767	0
6 Dec 2021 14:22:50.179	6742.945903	6743.037482	.00368527	51.551599	10.547261	117.746778	389.750392	340.050571	5510.542310	0
7 Dec 2021 05:39:16.917	6742.837270	6742.930899	.00372632	51.551680	12.311713	114.487764	389.920232	339.667566	5510.411659	0
7 Dec 2021 20:55:42.344	6742.728550	6742.824238	.00376712	51.551696	14.067780	111.228628	390.088268	339.286209	5510.280912	0
8 Dec 2021 12:12:06.460	6742.619738	6742.717494	.00380763	51.551650	15.816822	107.969348	390.254277	338.906711	5510.150065	0
9 Dec 2021 03:28:29.265	6742.510885	6742.610714	.00384781	51.551560	17.559616	104.709910	390.417998	338.529429	5510.019174	0
9 Dec 2021 18:44:50.758	6742.402052	6742.503955	.00388761	51.551449	19.296341	101.450310	390.579166	338.154743	5509.888310	0
10 Dec 2021 10:01:10.942	6742.293265	6742.397241	.00392699	51.551339	21.028374	98.190555	390.737554	337.782928	5509.757503	0
11 Dec 2021 01:17:29.818	6742.184566	6742.290612	.00396591	51.551253	22.756510	94.930659	390.892905	337.414320	5509.626801	0
11 Dec 2021 16:33:47.387	6742.075981	6742.184089	.00400432	51.551206	24.480914	91.670643				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
26 Dec 2021 22:58:22.656	6739.491963	6739.639174	0							
.00467360	51.552017	66.519612	13.403839							
393.000524	330.003823	5506.377089	5							
620										
27 Dec 2021 14:14:07.986	6739.381324	6739.529416	0							
.00468760	51.552018	68.352428	10.141542							
392.984661	329.800171	5506.242580	5							
630										
28 Dec 2021 05:29:51.988	6739.269979	6739.418871	0							
.00470028	51.551981	70.196054	6.879128							
392.959051	329.604691	5506.107106	5							
640										
28 Dec 2021 20:45:34.654	6739.158160	6739.307770	0							
.00471165	51.551912	72.050340	3.616576							
392.924049	329.417491	5505.970953	5							
650										
29 Dec 2021 12:01:15.975	6739.045600	6739.195843	0							
.00472164	51.551823	73.916305	0.353869							
392.878912	329.238773	5505.833787	5							
660										
30 Dec 2021 03:16:55.942	6738.932292	6739.083079	0							
.00473022	51.551733	75.794308	357.090998							
392.823456	329.068702	5505.695598	5							
670										
30 Dec 2021 18:32:34.547	6738.818504	6738.969748	0							
.00473742	51.551662	77.684135	353.827969							
392.758084	328.907413	5505.556715	5							
680										
31 Dec 2021 09:48:11.782	6738.703986	6738.855595	0							
.00474317	51.551626	79.586620	350.564795							
392.682113	328.755076	5505.416825	5							
690										
1 Jan 2022 01:03:47.637	6738.588760	6738.740639	0							
.00474745	51.551631	81.502018	347.301498							
392.595458	328.611820	5505.275954	5							
700										
1 Jan 2022 16:19:22.106	6738.473109	6738.625168	0							
.00475029	51.551676	83.430141	344.038106							
392.498614	328.477721	5505.134451	5							
710										
2 Jan 2022 07:34:55.180	6738.356814	6738.508958	0							
.00475165	51.551749	85.371741	340.774643							
392.391027	328.352889	5504.992045	5							
720										
2 Jan 2022 22:50:26.853	6738.240156	6738.392291	0							
.00475157	51.551831	87.326744	337.511123							
392.273234	328.237349	5504.849080	5							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
730										
3 Jan 2022 14:05:57.119	6738.122942	6738.274974	0							
.00475000	51.551902	89.295929	334.247552							
392.144748	328.131201	5504.705320	5							
740										
4 Jan 2022 05:21:25.969	6738.005232	6738.157065	0							
.00474693	51.551940	91.279699	330.983923							
392.005618	328.034512	5504.560835	5							
750										
4 Jan 2022 20:36:53.399	6737.887283	6738.038824	0							
.00474241	51.551933	93.278241	327.720217							
391.856372	327.947276	5504.415945	5							
760										
5 Jan 2022 11:52:19.404	6737.768951	6737.920106	0							
.00473639	51.551875	95.292360	324.456411							
391.696557	327.869655	5504.270471	5							
770										
6 Jan 2022 03:07:43.977	6737.650306	6737.800978	0							
.00472888	51.551770	97.322570	321.192480							
391.526200	327.801757	5504.124497	5							
780										
6 Jan 2022 18:23:07.116	6737.531565	6737.681663	0							
.00471989	51.551629	99.369258	317.928400							
391.345757	327.743569	5503.978294	5							
790										
7 Jan 2022 09:38:28.816	6737.412631	6737.562058	0							
.00470938	51.551468	101.433145	314.664155							
391.154772	327.695344	5503.831738	5							
800										
8 Jan 2022 00:53:49.076	6737.293568	6737.442230	0							
.00469733	51.551307	103.514759	311.399738							
390.953238	327.657222	5503.684909	5							
810										
8 Jan 2022 16:09:07.892	6737.174542	6737.322344	0							
.00468379	51.551161	105.614612	308.135149							
390.741549	327.629140	5503.538012	5							
820										
9 Jan 2022 07:24:25.264	6737.055489	6737.202337	0							
.00466869	51.551044	107.733283	304.870397							
390.519269	327.611405	5503.390966	5							
830										
9 Jan 2022 22:39:41.191	6736.936535	6737.082338	0							
.00465208	51.550964	109.871360	301.605496							
390.286784	327.603892	5503.243932	5							
840										
10 Jan 2022 13:54:55.671	6736.817633	6736.962296	0							
.00463390	51.550922	112.029345	298.340464							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
25 Jan 2022 19:53:23.500	6733.911082	6734.006677	0.00376773	51.549982	171.758284	219.945749	381.241610	330.497743	5499.475791	0
26 Jan 2022 11:08:00.541	6733.780058	6733.873143	0.00371800	51.549854	174.683085	216.677837	380.772656	330.699631	5499.312213	0
27 Jan 2022 02:22:35.930	6733.647491	6733.738077	0.00366778	51.549667	177.651341	213.409780	380.298922	330.903233	5499.146758	0
27 Jan 2022 17:37:09.650	6733.513708	6733.601815	0.00361727	51.549447	180.664208	210.141558	379.822056	331.107573	5498.979840	0
28 Jan 2022 08:51:41.681	6733.378343	6733.463993	0.00356652	51.549230	183.721825	206.873157	379.342036	331.311950	5498.811013	0
29 Jan 2022 00:06:12.003	6733.241300	6733.324524	0.00351569	51.549052	186.824850	203.604573	378.859780	331.515268	5498.640170	0
29 Jan 2022 15:20:40.597	6733.103137	6733.183975	0.00346495	51.548943	189.973737	200.335813	378.377135	331.716816	5498.468006	0
30 Jan 2022 06:35:07.446	6732.963432	6733.041927	0.00341441	51.548920	193.168345	197.066892	377.894293	331.915561	5498.294007	0
30 Jan 2022 21:49:32.532	6732.822561	6732.898767	0.00336429	51.548985	196.409012	193.797831	377.413160	332.110374	5498.118649	0
31 Jan 2022 13:03:55.840	6732.680234	6732.754207	0.00331467	51.549123	199.694877	190.528649	376.934071	332.300344	5497.941577	0
1 Feb 2022 04:18:17.350	6732.536520	6732.608323	0.00326573	51.549309	203.025168	187.259359	376.458222	332.484425	5497.762886	0
1 Feb 2022 19:32:37.049	6732.391785	6732.461490	0.00321770	51.549511	206.399193	183.989970	375.987525	332.661455	5497.583034	0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

200										
2 Feb 2022 10:46:54.921	6732.245813	6732.313494	0							
.00317068	51.549698	209.814870	180.720479							
375.522490	332.830499	5497.401759	6							
210										
3 Feb 2022 02:01:10.952	6732.098703	6732.164440	0							
.00312484	51.549842	213.270132	177.450877							
375.064360	332.990520	5497.219191	6							
220										
3 Feb 2022 17:15:25.129	6731.950776	6732.014655	0							
.00308040	51.549928	216.763009	174.181152							
374.614936	333.140375	5497.035729	6							
230										
4 Feb 2022 08:29:37.442	6731.801902	6731.864011	0							
.00303747	51.549950	220.289929	170.911285							
374.174839	333.279184	5496.851218	6							
240										
4 Feb 2022 23:43:47.879	6731.652245	6731.712679	0							
.00299625	51.549911	223.847768	167.641263							
373.745577	333.405780	5496.665864	6							
250										
5 Feb 2022 14:57:56.433	6731.501951	6731.560806	0							
.00295687	51.549824	227.432455	164.371073							
373.328126	333.519486	5496.479852	6							
260										
6 Feb 2022 06:12:03.095	6731.351027	6731.408400	0							
.00291945	51.549708	231.039247	161.100707							
372.923440	333.619360	5496.293188	6							
270										
6 Feb 2022 21:26:07.861	6731.199663	6731.255658	0							
.00288419	51.549584	234.664090	157.830164							
372.532909	333.704406	5496.106115	6							
280										
7 Feb 2022 12:40:10.724	6731.047862	6731.102580	0							
.00285118	51.549472	238.300862	154.559449							
372.157132	333.774029	5495.918633	6							
290										
8 Feb 2022 03:54:11.681	6730.895724	6730.949270	0							
.00282051	51.549389	241.943879	151.288569							
371.796991	333.827549	5495.730869	6							
300										
8 Feb 2022 19:08:10.730	6730.743342	6730.795823	0							
.00279234	51.549348	245.588280	148.017536							
371.453487	333.864158	5495.542938	6							
310										
9 Feb 2022 10:22:07.869	6730.590766	6730.642287	0							
.00276671	51.549354	249.226846	144.746364							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Co
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320	371.127016	333.883557							5495.354901	6
10 Feb 2022 01:36:03.098		6730.438061				6730.488727				0
.00274369	51.549407				252.853280	141.475063				
330	370.818098	333.885356							5495.166837	6
10 Feb 2022 16:49:56.417		6730.285223				6730.335140				0
.00272336	51.549500				256.462665	138.203645				
340	370.527272	333.869007							5494.978742	6
11 Feb 2022 08:03:47.825		6730.132321				6730.181592				0
.00270572	51.549623				260.047480	134.932116				
350	370.254597	333.834587							5494.790696	6
11 Feb 2022 23:17:37.324		6729.979295				6730.028024				0
.00269082	51.549758				263.603272	131.660477				
360	370.000304	333.781744							5494.602629	6
12 Feb 2022 14:31:24.914		6729.826208				6729.874495				0
.00267861	51.549891				267.122854	128.388725				
370	369.764180	333.710810							5494.414611	6
13 Feb 2022 05:45:10.596		6729.673040				6729.720982				0
.00266906	51.550003				270.600921	125.116852				
380	369.546019	333.621944							5494.226615	6
13 Feb 2022 20:58:54.369		6729.519669				6729.567362				0
.00266217	51.550079				274.034429	121.844844				
390	369.345645	333.515079							5494.038491	6
14 Feb 2022 12:12:36.233		6729.366118				6729.413656				0
.00265785	51.550110				277.417334	118.572685				
400	369.162439	333.390873							5493.850263	6
15 Feb 2022 03:26:16.187		6729.212308				6729.259779				0
.00265602	51.550088				280.745900	115.300356				
410	368.995812	333.249746							5493.661828	6
15 Feb 2022 18:39:54.228		6729.058079				6729.105570				0
.00265663	51.550014				284.018927	112.027841				
420	368.845307	333.091834							5493.472989	6
16 Feb 2022 09:53:30.351		6728.903372				6728.950967				0
.00265955	51.549897				287.231964	108.755124				
430	368.709932	332.918001							5493.283668	6
17 Feb 2022 01:07:04.553		6728.748048				6728.795825				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
24 Feb 2022 15:47:20.655	6726.780402	6726.835306	0							
.00285691	51.549689	323.385355	66.193967							
367.916273	329.480338	5490.693142	6							
560										
25 Feb 2022 07:00:28.550	6726.603078	6726.658886	0							
.00288037	51.549634	325.767366	62.919013							
367.897128	329.146644	5490.477143	6							
570										
25 Feb 2022 22:13:34.254	6726.423251	6726.479998	0							
.00290455	51.549536	328.102637	59.643837							
367.880377	328.805619	5490.258125	6							
580										
26 Feb 2022 13:26:37.734	6726.240545	6726.298263	0							
.00292931	51.549414	330.391664	56.368424							
367.864692	328.457834	5490.035624	6							
590										
27 Feb 2022 04:39:38.956	6726.054877	6726.113593	0							
.00295459	51.549291	332.636681	53.092770							
367.849472	328.103715	5489.809533	6							
600										
27 Feb 2022 19:52:37.885	6725.866476	6725.926219	0							
.00298035	51.549189	334.841463	49.816886							
367.834824	327.743614	5489.580134	6							
610										
28 Feb 2022 11:05:34.488	6725.675007	6725.735800	0							
.00300648	51.549125	337.006505	46.540790							
367.819569	327.378032	5489.347011	6							
620										
1 Mar 2022 02:18:28.726	6725.480451	6725.542316	0							
.00303291	51.549104	339.133854	43.264505							
367.803256	327.007377	5489.110139	6							
630										
1 Mar 2022 17:31:20.566	6725.283080	6725.346038	0							
.00305962	51.549125	341.226962	39.988053							
367.786046	326.632029	5488.869849	6							
640										
2 Mar 2022 08:44:09.972	6725.082644	6725.146712	0							
.00308652	51.549179	343.286140	36.711449							
367.767009	326.252415	5488.625833	6							
650										
2 Mar 2022 23:56:56.906	6724.878915	6724.944108	0							
.00311354	51.549250	345.313819	33.434703							
367.745518	325.868698	5488.377806	6							
660										
3 Mar 2022 15:09:41.335	6724.672732	6724.739065	0							
.00314070	51.549321	347.311719	30.157813							
367.722465	325.481666	5488.126798	6							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
4 Mar 2022 06:22:23.225	6724.463694	6724.531179	0	51.549378	349.280623	26.880770	367.696907	325.091451	5487.872313	6
4 Mar 2022 21:35:02.545	6724.252046	6724.320695	0	51.549407	351.223418	23.603560	367.668993	324.698396	5487.614651	6
5 Mar 2022 12:47:39.263	6724.037768	6724.107590	0	51.549404	353.140072	20.326163	367.638393	324.302787	5487.353786	6
6 Mar 2022 04:00:13.348	6723.821021	6723.892026	0	51.549366	355.031923	17.048560	367.605144	323.904908	5487.089915	6
6 Mar 2022 19:12:44.772	6723.601975	6723.674170	0	51.549298	356.901631	13.770732	367.569270	323.505069	5486.823242	6
7 Mar 2022 10:25:13.508	6723.380776	6723.454168	0	51.549208	358.749010	10.492665	367.530850	323.103485	5486.553947	6
8 Mar 2022 01:37:39.532	6723.157622	6723.232219	0	51.549106	0.575227	7.214350	367.490042	322.700395	5486.282273	6
8 Mar 2022 16:50:02.820	6722.932568	6723.008374	0	51.549004	2.382793	3.935784	367.446652	322.296096	5486.008282	6
9 Mar 2022 08:02:23.353	6722.705921	6722.782943	0	51.548912	4.171379	0.656968	367.401141	321.890745	5485.732356	6
9 Mar 2022 23:14:41.110	6722.477612	6722.555853	0	51.548838	5.943378	357.377908	367.353134	321.484572	5485.454403	6
10 Mar 2022 14:26:56.075	6722.248106	6722.327572	0	51.548787	7.698449	354.098614	367.303318	321.077827	5485.174997	6
11 Mar 2022 05:39:08.236	6722.017569	6722.098267	0	51.548759	9.437510	350.819097				

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Co
790	367.251899	320.670634	5484.894342	6						
11 Mar 2022 20:51:17.578	6721.785813	6721.867743	0							
.00349121	51.548752	11.162877	347.539369							
800	367.198180	320.263305	5484.612201	6						
12 Mar 2022 12:03:24.091	6721.553346	6721.636513	0							
.00351754	51.548757	12.874004	344.259440							
810	367.143125	319.855901	5484.329200	6						
13 Mar 2022 03:15:27.769	6721.320328	6721.404737	0							
.00354378	51.548767	14.571729	340.979316							
820	367.086886	319.448588	5484.045536	6						
13 Mar 2022 18:27:28.602	6721.086421	6721.172073	0							
.00356982	51.548769	16.258245	337.699000							
830	367.028429	319.041718	5483.760790	6						
14 Mar 2022 09:39:26.584	6720.852194	6720.939092	0							
.00359575	51.548751	17.932883	334.418486							
840	366.968907	318.635277	5483.475661	6						
15 Mar 2022 00:51:21.712	6720.617744	6720.705891	0							
.00362157	51.548704	19.596363	331.137768							
850	366.908371	318.229410	5483.190267	6						
15 Mar 2022 16:03:13.982	6720.382619	6720.472012	0							
.00364714	51.548622	21.250738	327.856830							
860	366.845493	317.824531	5482.904050	6						
16 Mar 2022 07:15:03.388	6720.147292	6720.237932	0							
.00367256	51.548502	22.895229	324.575655							
870	366.781403	317.420462	5482.617591	6						
16 Mar 2022 22:26:49.925	6719.911225	6720.003107	0							
.00369769	51.548347	24.531792	321.294225							
880	366.714586	317.017627	5482.330224	6						
17 Mar 2022 13:38:33.588	6719.674954	6719.768077	0							
.00372263	51.548168	26.159600	318.012519							
890	366.646315	316.615838	5482.042612	6						
18 Mar 2022 04:50:14.374	6719.438448	6719.532809	0							
.00374738	51.547980	27.779208	314.730523							
900	366.576443	316.215176	5481.754716	6						
18 Mar 2022 20:01:52.278	6719.201132	6719.296722	0							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
26 Mar 2022 10:17:38.915	6716.278688	6716.388041	0							
.00403503	51.547314	48.375195	272.042064							
365.351853	311.150229	5477.906941	7							
030										
27 Mar 2022 01:28:38.313	6716.024585	6716.134938	0							
.00405353	51.547126	49.943132	268.756732							
365.222015	310.773862	5477.597297	7							
040										
27 Mar 2022 16:39:34.610	6715.768131	6715.879447	0							
.00407123	51.546947	51.512008	265.471088							
365.084365	310.400529	5477.284736	7							
050										
28 Mar 2022 07:50:27.776	6715.509351	6715.621593	0							
.00408822	51.546802	53.081639	262.185126							
364.939505	310.029681	5476.969291	7							
060										
28 Mar 2022 23:01:17.783	6715.248067	6715.361190	0							
.00410432	51.546714	54.653102	258.898853							
364.786188	309.662193	5476.650735	7							
070										
29 Mar 2022 14:12:04.599	6714.984305	6715.098269	0							
.00411963	51.546691	56.226365	255.612286							
364.625013	309.297526	5476.329104	7							
080										
30 Mar 2022 05:22:48.196	6714.718019	6714.832781	0							
.00413412	51.546734	57.802039	252.325446							
364.455696	308.935867	5476.004339	7							
090										
30 Mar 2022 20:33:28.540	6714.449116	6714.564626	0							
.00414763	51.546832	59.381016	249.038355							
364.277173	308.578078	5475.676318	7							
100										
31 Mar 2022 11:44:05.602	6714.177668	6714.293877	0							
.00416026	51.546966	60.963611	245.751032							
364.090055	308.223699	5475.345131	7							
110										
1 Apr 2022 02:54:39.350	6713.903703	6714.020562	0							
.00417195	51.547115	62.550551	242.463489							
363.894149	307.872975	5475.010811	7							
120										
1 Apr 2022 18:05:09.753	6713.627171	6713.744622	0							
.00418260	51.547254	64.142547	239.175732							
363.688500	307.526743	5474.673287	7							
130										
2 Apr 2022 09:15:36.780	6713.348237	6713.466226	0							
.00419225	51.547363	65.740311	235.887760							
363.473766	307.184687	5474.332768	7							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
3 Apr 2022 00:26:00.403	6713.067043	6713.185514	0							
.00420089	51.547428	67.344664	232.599563							
363.249838	306.847189	5473.989421	7							
3 Apr 2022 15:36:20.592	6712.783463	6712.902352	0							
.00420838	51.547438	68.956095	229.311128							
363.015817	306.514887	5473.643086	7							
4 Apr 2022 06:46:37.321	6712.497833	6712.617080	0							
.00421481	51.547394	70.575701	226.022437							
362.772460	306.187700	5473.294178	7							
4 Apr 2022 21:56:50.563	6712.210069	6712.329607	0							
.00422004	51.547299	72.203780	222.733474							
362.518877	305.866337	5472.942584	7							
5 Apr 2022 13:07:00.293	6711.920565	6712.040330	0							
.00422414	51.547165	73.841676	219.444221							
362.255914	305.550745	5472.588792	7							
6 Apr 2022 04:17:06.492	6711.629505	6711.749432	0							
.00422709	51.547008	75.490314	216.154665							
361.983584	305.241280	5472.233025	7							
6 Apr 2022 19:27:09.139	6711.336713	6711.456731	0							
.00422877	51.546844	77.149695	212.864798							
361.700964	304.938498	5471.875061	7							
7 Apr 2022 10:37:08.214	6711.042700	6711.162740	0							
.00422926	51.546691	78.821569	209.574613							
361.409013	304.642468	5471.515527	7							
8 Apr 2022 01:47:03.705	6710.747647	6710.867640	0							
.00422853	51.546564	80.506912	206.284113							
361.107771	304.353510	5471.154645	7							
8 Apr 2022 16:56:55.595	6710.451270	6710.571143	0							
.00422649	51.546476	82.205390	202.993300							
360.796279	304.072007	5470.792061	7							
9 Apr 2022 08:06:43.873	6710.154161	6710.273841	0							
.00422319	51.546433	83.919161	199.702183							
360.475580	303.798102	5470.428503	7							
9 Apr 2022 23:16:28.526	6709.855899	6709.975311	0							
.00421855	51.546437	85.647639	196.410771							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Coefficient
260	360.144691	303.531931	5470.063450	7						
10 Apr 2022 14:26:09.543	6709.557243	6709.676315	0							
.00421263	51.546481	87.393329	193.119074							
270	359.804700	303.273929	5469.697835	7						
11 Apr 2022 05:35:46.922	6709.258243	6709.376902	0							
.00420542	51.546553	89.157215	189.827100							
280	359.455649	303.024155	5469.331720	7						
11 Apr 2022 20:45:20.653	6708.958464	6709.076634	0							
.00419684	51.546637	90.938457	186.534856							
290	359.096542	302.782726	5468.964566	7						
12 Apr 2022 11:54:50.730	6708.658515	6708.776123	0							
.00418695	51.546711	92.739850	183.242341							
300	358.728461	302.549786	5468.597124	7						
13 Apr 2022 03:04:17.151	6708.358452	6708.475428	0							
.00417576	51.546754	94.562461	179.949553							
310	358.351423	302.325432	5468.229465	7						
13 Apr 2022 18:13:39.911	6708.057789	6708.174056	0							
.00416319	51.546747	96.405214	176.656481							
320	357.964449	302.109663	5467.860986	7						
14 Apr 2022 09:22:59.005	6707.757067	6707.872555	0							
.00414930	51.546675	98.271227	173.363111							
330	357.568557	301.902552	5467.492358	7						
15 Apr 2022 00:32:14.430	6707.456273	6707.570911	0							
.00413411	51.546532	100.161588	170.069427							
340	357.163728	301.704094	5467.123564	7						
15 Apr 2022 15:41:26.183	6707.154897	6707.268613	0							
.00411753	51.546322	102.075032	166.775412							
350	356.749012	301.514213	5466.753978	7						
16 Apr 2022 06:50:34.257	6706.853449	6706.966174	0							
.00409965	51.546059	104.014895	163.481052							
360	356.325412	301.332935	5466.384228	7						
16 Apr 2022 21:59:38.648	6706.551430	6706.663094	0							
.00408041	51.545767	105.979813	160.186337							
370	355.892022	301.160167	5466.013703	7						
17 Apr 2022 13:08:39.350	6706.249168	6706.359706	0							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
25 Apr 2022 02:51:56.460	6702.549992	6702.642525	0							
.00371555	51.545029	134.399476	117.327172							
349.409544	299.601506	5461.099219	7							
500										
25 Apr 2022 18:00:08.123	6702.231916	6702.322654	0							
.00367945	51.544869	136.840771	114.028127							
348.846513	299.524796	5460.708293	7							
510										
26 Apr 2022 09:08:15.874	6701.911733	6702.000648	0							
.00364239	51.544701	139.324962	110.728710							
348.274916	299.452380	5460.314767	7							
520										
27 Apr 2022 00:16:19.687	6701.589567	6701.676632	0							
.00360437	51.544548	141.853003	107.428930							
347.694965	299.384299	5459.918794	7							
530										
27 Apr 2022 15:24:19.536	6701.265248	6701.350440	0							
.00356548	51.544431	144.424352	104.128802							
347.106950	299.319929	5459.520171	7							
540										
28 Apr 2022 06:32:15.393	6700.938675	6701.021975	0							
.00352575	51.544363	147.042037	100.828345							
346.511111	299.258839	5459.118781	7							
550										
28 Apr 2022 21:40:07.229	6700.610120	6700.691512	0							
.00348522	51.544348	149.705165	97.527577							
345.907904	299.201120	5458.714958	7							
560										
29 Apr 2022 12:47:55.020	6700.279307	6700.358779	0							
.00344397	51.544383	152.416835	94.226514							
345.297584	299.145975	5458.308372	7							
570										
30 Apr 2022 03:55:38.735	6699.946261	6700.023806	0							
.00340204	51.544459	155.178106	90.925168							
344.680560	299.093053	5457.899060	7							
580										
30 Apr 2022 19:03:18.348	6699.611280	6699.686895	0							
.00335950	51.544562	157.988108	87.623543							
344.057488	299.042302	5457.487388	7							
590										
1 May 2022 10:10:53.834	6699.274154	6699.347838	0							
.00331642	51.544674	160.849735	84.321637							
343.428698	298.992978	5457.073105	7							
600										
2 May 2022 01:18:25.164	6698.934952	6699.006710	0							
.00327288	51.544781	163.763932	81.019442							
342.794740	298.944681	5456.656304	7							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
610										
2 May 2022 16:25:52.315	6698.593953	6698.663794	0							
.00322895	51.544868	166.729728	77.716945							
342.156459	298.897129	5456.237326	7							
620										
3 May 2022 07:33:15.262	6698.251029	6698.318967	0							
.00318472	51.544925	169.749771	74.414129							
341.514269	298.849665	5455.816026	7							
630										
3 May 2022 22:40:33.981	6697.906426	6697.972479	0							
.00314030	51.544947	172.822906	71.110975							
340.869137	298.801820	5455.392707	7							
640										
4 May 2022 13:47:48.451	6697.560077	6697.624265	0							
.00309576	51.544933	175.951573	67.807467							
340.221530	298.753001	5454.967291	7							
650										
5 May 2022 04:54:58.649	6697.212088	6697.274439	0							
.00305121	51.544886	179.136243	64.503586							
339.572213	298.702665	5454.539915	7							
660										
5 May 2022 20:02:04.556	6696.862632	6696.923177	0							
.00300678	51.544814	182.375249	61.199323							
338.922340	298.650014	5454.110798	7							
670										
6 May 2022 11:09:06.152	6696.511724	6696.570498	0							
.00296255	51.544730	185.670615	57.894668							
338.272436	298.594561	5453.679960	7							
680										
7 May 2022 02:16:03.419	6696.159467	6696.216508	0							
.00291864	51.544644	189.022246	54.589620							
337.623381	298.535636	5453.247532	7							
690										
7 May 2022 17:22:56.341	6695.805948	6695.861303	0							
.00287524	51.544569	192.427589	51.284182							
336.976515	298.472091	5452.813631	7							
700										
8 May 2022 08:29:44.901	6695.451243	6695.504958	0							
.00283241	51.544515	195.888078	47.978364							
336.332395	298.403521	5452.378350	7							
710										
8 May 2022 23:36:29.088	6695.095958	6695.148086	0							
.00279033	51.544491	199.401496	44.672178							
335.692728	298.329444	5451.942436	7							
720										
9 May 2022 14:43:08.888	6694.739046	6694.789644	0							
.00274914	51.544498	202.966397	41.365638							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
335.057574	298.247714	5451.504616	7							
730										
10 May 2022 05:49:44.284	6694.381134	6694.430261	0							
.00270896	51.544535	206.582165	38.058760							
334.428229	298.158293	5451.065658	7							
740										
10 May 2022 20:56:15.264	6694.022183	6694.069905	0							
.00267003	51.544595	210.243699	34.751557							
333.806274	298.059537	5450.625525	7							
750										
11 May 2022 12:02:41.816	6693.662278	6693.708662	0							
.00263241	51.544666	213.950900	31.444036							
333.192240	297.951084	5450.184319	7							
760										
12 May 2022 03:09:03.927	6693.301402	6693.346518	0							
.00259625	51.544733	217.700471	28.136201							
332.587142	297.831895	5449.742025	7							
770										
12 May 2022 18:15:21.585	6692.939426	6692.983352	0							
.00256181	51.544782	221.485160	24.828045							
331.992533	297.700170	5449.298494	7							
780										
13 May 2022 09:21:34.776	6692.576376	6692.619186	0							
.00252915	51.544798	225.303670	21.519556							
331.408806	297.555566	5448.853756	7							
790										
14 May 2022 00:27:43.487	6692.212166	6692.253939	0							
.00249840	51.544775	229.150959	18.210715							
330.836872	297.397007	5448.407708	7							
800										
14 May 2022 15:33:47.703	6691.846638	6691.887459	0							
.00246981	51.544709	233.017488	14.901500							
330.278176	297.222741	5447.960167	7							
810										
15 May 2022 06:39:47.408	6691.479747	6691.519698	0							
.00244343	51.544606	236.900825	11.591889							
329.732931	297.032465	5447.511074	7							
820										
15 May 2022 21:45:42.584	6691.111328	6691.150496	0							
.00241945	51.544478	240.790039	8.281865							
329.202432	296.824560	5447.060234	7							
830										
16 May 2022 12:51:33.214	6690.741258	6690.779730	0							
.00239793	51.544343	244.682167	4.971420							
328.686722	296.598738	5446.607496	7							
840										
17 May 2022 03:57:19.277	6690.369369	6690.407233	0							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
24 May 2022 17:00:25.880	6685.706989	6685.744494	0.00236848	51.543172	292.160605	321.901145	323.442573	291.772415	5440.460277	0
25 May 2022 08:05:09.880	6685.297208	6685.335235	0.00238496	51.542969	295.382973	318.585227	323.142494	291.253975	5439.960738	0
25 May 2022 23:09:48.838	6684.883948	6684.922572	0.00240370	51.542787	298.527881	315.268846	322.854090	290.717054	5439.457061	0
26 May 2022 14:14:22.708	6684.466410	6684.505706	0.00242458	51.542638	301.598760	311.952009	322.575815	290.161597	5438.948269	0
27 May 2022 05:18:51.441	6684.044685	6684.084722	0.00244745	51.542529	304.596305	308.634728	322.306655	289.588789	5438.434468	0
27 May 2022 20:23:14.988	6683.619030	6683.659878	0.00247218	51.542460	307.518100	305.317016	322.046086	288.999670	5437.915971	0
28 May 2022 11:27:33.301	6683.189052	6683.230775	0.00249860	51.542424	310.369077	301.998889	321.792517	288.395034	5437.392294	0
29 May 2022 02:31:46.328	6682.754710	6682.797370	0.00252656	51.542412	313.150921	298.680358	321.544881	287.775859	5436.863382	0
29 May 2022 17:35:54.019	6682.316258	6682.359913	0.00255595	51.542410	315.862814	295.361429	321.302678	287.143149	5436.329545	0
30 May 2022 08:39:56.323	6681.873383	6681.918087	0.00258657	51.542405	318.510033	292.042104	321.064303	286.497871	5435.790392	0
30 May 2022 23:43:53.192	6681.426636	6681.472440	0.00261827	51.542383	321.093312	288.722379	320.829323	285.841556	5435.246595	0
31 May 2022 14:47:44.573	6680.975114	6681.022065	0.00265095	51.542332	323.616209	285.402244	320.596110	285.174020	5434.697048	0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
080										
1 Jun 2022 05:51:30.411	6680.519148	6680.567288	0							
.00268441	51.542245	326.082217	282.081684							
320.363668	284.496908	5434.142148	8							
090										
1 Jun 2022 20:55:10.654	6680.058887	6680.108257	0							
.00271858	51.542120	328.491903	278.760681							
320.131657	283.810857	5433.582077	8							
100										
2 Jun 2022 11:58:45.250	6679.594168	6679.644802	0							
.00275324	51.541957	330.850287	275.439213							
319.898474	283.117130	5433.016627	8							
110										
3 Jun 2022 03:02:14.146	6679.124998	6679.176924	0							
.00278825	51.541765	333.160087	272.117262							
319.663161	282.416687	5432.445800	8							
120										
3 Jun 2022 18:05:37.287	6678.651426	6678.704672	0							
.00282358	51.541555	335.422175	268.794807							
319.425525	281.709819	5431.869658	8							
130										
4 Jun 2022 09:08:54.622	6678.173354	6678.227941	0							
.00285899	51.541342	337.641192	265.471834							
319.183911	280.997970	5431.288072	8							
140										
5 Jun 2022 00:12:06.094	6677.690559	6677.746501	0							
.00289437	51.541141	339.819902	262.148332							
318.937348	280.281654	5430.700762	8							
150										
5 Jun 2022 15:15:11.649	6677.203310	6677.260621	0							
.00292967	51.540969	341.958902	258.824296							
318.685786	279.561455	5430.108057	8							
160										
6 Jun 2022 06:18:11.232	6676.711317	6676.770001	0							
.00296467	51.540838	344.062543	255.499727							
318.427389	278.838613	5429.509593	8							
170										
6 Jun 2022 21:21:04.785	6676.214428	6676.274490	0							
.00299938	51.540758	346.131704	252.174631							
318.162193	278.112787	5428.905184	8							
180										
7 Jun 2022 12:23:52.247	6675.712483	6675.773917	0							
.00303355	51.540730	348.170261	248.849020							
317.888229	277.385604	5428.294623	8							
190										
8 Jun 2022 03:26:33.558	6675.205275	6675.268068	0							
.00306705	51.540749	350.180379	245.522906							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count

.00338689	51.539396	12.697590	205.569635							
313.119030	267.946932	5419.632258								8
320										
16 Jun 2022 06:51:35.968	6667.985946	6668.063217								0
.00340413	51.539296	14.485802	202.236372							
312.625162	267.227271	5418.892598								8
330										
16 Jun 2022 21:52:42.451	6667.367882	6667.445859								0
.00341981	51.539278	16.265823	198.902486							
312.110286	266.507432	5418.140059								8
340										
17 Jun 2022 12:53:41.334	6666.737994	6666.816594								0
.00343362	51.539330	18.039745	195.567986							
311.570912	265.788276	5417.373041								8
350										
18 Jun 2022 03:54:32.467	6666.095679	6666.174816								0
.00344550	51.539426	19.808567	192.232876							
311.006151	265.069482	5416.590809								8
360										
18 Jun 2022 18:55:15.704	6665.441323	6665.520922								0
.00345571	51.539536	21.572434	188.897154							
310.418047	264.349797	5415.793848								8
370										
19 Jun 2022 09:55:50.887	6664.773422	6664.853392								0
.00346392	51.539627	23.333071	185.560806							
309.802926	263.629857	5414.980307								8
380										
20 Jun 2022 00:56:17.848	6664.091395	6664.171643								0
.00347010	51.539673	25.091185	182.223812							
309.160005	262.909280	5414.149479								8
390										
20 Jun 2022 15:56:36.418	6663.395812	6663.476255								0
.00347450	51.539657	26.846959	178.886143							
308.491532	262.186977	5413.302074								8
400										
21 Jun 2022 06:56:46.422	6662.685033	6662.765574								0
.00347681	51.539574	28.601713	175.547772							
307.793761	261.463387	5412.436078								8
410										
21 Jun 2022 21:56:47.679	6661.959725	6662.040279								0
.00347729	51.539429	30.355521	172.208668							
307.069096	260.737463	5411.552323								8
420										
22 Jun 2022 12:56:40.002	6661.218204	6661.298672								0
.00347562	51.539236	32.109473	168.868802							
306.313822	260.009522	5410.648741								8
430										

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23 Jun 2022 03:56:23.188	6660.459970	6660.540252	0							
.00347180	51.539014	33.863980	165.528155							
305.527297	259.279208	5409.724726	8							
440										
23 Jun 2022 18:55:57.039	6659.685786	6659.765794	0							
.00346608	51.538786	35.619270	162.186705							
304.712044	258.545545	5408.781225	8							
450										
24 Jun 2022 09:55:21.352	6658.893978	6658.973613	0							
.00345818	51.538573	37.376003	158.844441							
303.864514	257.808711	5407.816189	8							
460										
25 Jun 2022 00:54:35.907	6658.084123	6658.163285	0							
.00344810	51.538393	39.134465	155.501354							
302.984277	257.068293	5406.829106	8							
470										
25 Jun 2022 15:53:40.491	6657.256981	6657.335582	0							
.00343609	51.538259	40.895177	152.157437							
302.073783	256.323382	5405.820921	8							
480										
26 Jun 2022 06:52:34.883	6656.410983	6656.488927	0							
.00342190	51.538176	42.658255	148.812687							
301.129754	255.574099	5404.789715	8							
490										
26 Jun 2022 21:51:18.858	6655.546821	6655.624021	0							
.00340576	51.538144	44.424423	145.467097							
300.154509	254.819532	5403.736348	8							
500										
27 Jun 2022 12:49:52.186	6654.663017	6654.739379	0							
.00338745	51.538155	46.193315	142.120659							
299.144969	254.059789	5402.659016	8							
510										
28 Jun 2022 03:48:14.625	6653.759211	6653.834641	0							
.00336696	51.538199	47.964811	138.773361							
298.100829	253.294453	5401.557285	8							
520										
28 Jun 2022 18:46:25.936	6652.835880	6652.910298	0							
.00334451	51.538259	49.740040	135.425184							
297.024044	252.522552	5400.431757	8							
530										
29 Jun 2022 09:44:25.871	6651.891726	6651.965042	0							
.00331990	51.538320	51.517622	132.076106							
295.911883	251.744202	5399.280845	8							
540										
30 Jun 2022 00:42:14.177	6650.926353	6650.998481	0							
.00329312	51.538364	53.297053	128.726100							
294.764009	250.958952	5398.104077	8							

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
30 Jun 2022 15:39:50.594	6649.939907	6650.010770	.00326437	51.538377	55.080017	125.375132	293.581840	250.165700	5396.901648	0
1 Jul 2022 06:37:14.860	6648.931260	6649.000776	.00323345	51.538350	56.863815	122.023167	292.362986	249.364567	5395.672185	8
1 Jul 2022 21:34:26.703	6647.900277	6647.968375	.00320054	51.538277	58.650574	118.670167	291.108440	248.554311	5394.415542	8
2 Jul 2022 12:31:25.845	6646.845905	6646.912508	.00316545	51.538157	60.436584	115.316096	289.815988	247.735027	5393.130436	8
3 Jul 2022 03:28:11.998	6645.767494	6645.832527	.00312820	51.537998	62.220530	111.960915	288.484998	246.906056	5391.816087	8
3 Jul 2022 18:24:44.864	6644.664372	6644.727771	.00308890	51.537810	64.005384	108.604594	287.115690	246.065852	5390.471697	8
4 Jul 2022 09:21:04.137	6643.535506	6643.597204	.00304742	51.537608	65.785559	105.247103	285.706044	245.214363	5389.096013	8
5 Jul 2022 00:17:09.497	6642.379917	6642.439848	.00300375	51.537410	67.559129	101.888421	284.255064	244.350631	5387.687853	8
5 Jul 2022 15:13:00.612	6641.196283	6641.254392	.00295798	51.537233	69.330093	98.528531	282.762083	243.472700	5386.245631	8
6 Jul 2022 06:08:37.133	6639.983412	6640.039640	.00290999	51.537091	71.090640	95.167421	281.225074	242.580206	5384.767902	8
6 Jul 2022 21:03:58.693	6638.739499	6638.793796	.00285985	51.536993	72.845529	91.805080	279.642733	241.670859	5383.252489	8
7 Jul 2022 11:59:04.908	6637.463097	6637.515413	.00280744	51.536940	74.585305	88.441499				0

Time (UTCG)	Semi-parameter (km)	Semi-major Axis (km)	Eccentricity	Inclination (deg)	Arg of Perigee (deg)	RAAN (deg)	Height of Apogee (km)	Height of Perigee (km)	Sidereal Period (sec)	Orbit Count
22 Jul 2022 08:13:16.023	6581.607329	6581.611327	0.00077931	51.531135	86.555388	7.181765	208.603419	198.345234	5313.850456	0
22 Jul 2022 22:56:20.452	6575.804325	6575.807306	0.00067321	51.530392	79.941194	3.759078	202.097232	193.243379	5306.822945	0
23 Jul 2022 13:38:07.210	6568.787404	6568.789591	0.00057705	51.529510	69.874668	0.330245	194.443116	186.862066	5298.330033	0
24 Jul 2022 04:18:17.103	6559.806081	6559.807684	0.00049429	51.528401	54.408651	356.893971	184.913147	178.428220	5287.466654	0
24 Jul 2022 18:56:16.852	6547.275214	6547.276482	0.00043999	51.526863	32.511523	353.448156	172.020189	166.258775	5272.322919	0
25 Jul 2022 09:30:54.414	6526.346059	6526.347137	0.00040642	51.524280	5.653912	349.988972	150.862545	145.557729	5247.062484	0
25 Jul 2022 10:56:18.367	6520.393557	6520.394420	0.00036392	51.489601	252.741650	334.321426	144.630322	139.884519	5239.885310	0
25 Jul 2022 12:23:21.151	6511.863523	6511.864000	0.00027050	51.488496	263.840807	333.972352	135.488433	131.965566	5229.605916	0
25 Jul 2022 13:50:09.551	6496.525136	6496.525251	0.00013282	51.486482	280.324751	333.622346	119.251142	117.525360	5211.139232	0