





Ephemeride des Kleinplaneten (1) Ceres

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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13 Jun 2019	16h09m37.52s	-18 03' 30.5"	2.7757	1.7916	7.3	162.1	6.4	14.54	211.57	31.13	262.1	Sco
14 Jun 2019	16h08m47.09s	-18 05' 18.2"	2.7765	1.7964	7.4	161.0	6.8	14.12	212.66	30.58	261.8	Sco
15 Jun 2019	16h07m57.60s	-18 07' 07.7"	2.7773	1.8014	7.4	159.9	7.2	13.69	213.74	30.01	261.5	Sco
16 Jun 2019	16h07m09.08s	-18 08' 59.3"	2.7780	1.8067	7.4	158.8	7.6	13.25	214.80	29.42	261.2	Sco
17 Jun 2019	16h06m21.59s	-18 10' 52.9"	2.7788	1.8122	7.4	157.7	8.0	12.80	215.86	28.80	260.8	Sco
18 Jun 2019	16h05m35.17s	-18 12' 48.6"	2.7796	1.8180	7.5	156.5	8.4	12.34	216.91	28.16	260.4	Sco
19 Jun 2019	16h04m49.84s	-18 14' 46.4"	2.7804	1.8240	7.5	155.4	8.7	11.87	217.94	27.51	260.0	Sco
20 Jun 2019	16h04m05.65s	-18 16' 46.4"	2.7812	1.8303	7.5	154.3	9.1	11.39	218.96	26.83	259.6	Sco
21 Jun 2019	16h03m22.64s	-18 18' 48.5"	2.7819	1.8368	7.5	153.2	9.5	10.90	219.98	26.13	259.1	Sco
22 Jun 2019	16h02m40.83s	-18 20' 53.0"	2.7827	1.8435	7.6	152.1	9.8	10.40	220.98	25.42	258.5	Sco
23 Jun 2019	16h02m00.27s	-18 22' 59.8"	2.7835	1.8505	7.6	151.0	10.2	9.90	221.97	24.69	258.0	Lib
24 Jun 2019	16h01m20.98s	-18 25' 08.9"	2.7843	1.8577	7.6	149.9	10.5	9.39	222.94	23.94	257.4	Lib
25 Jun 2019	16h00m43.00s	-18 27' 20.4"	2.7851	1.8651	7.6	148.8	10.9	8.87	223.91	23.18	256.7	Lib
26 Jun 2019	16h00m06.35s	-18 29' 34.4"	2.7858	1.8727	7.6	147.8	11.2	8.35	224.86	22.41	256.0	Lib
27 Jun 2019	15h59m31.06s	-18 31' 50.8"	2.7866	1.8806	7.7	146.7	11.6	7.82	225.81	21.63	255.2	Lib
28 Jun 2019	15h58m57.16s	-18 34' 09.8"	2.7874	1.8886	7.7	145.6	11.9	7.28	226.74	20.84	254.3	Lib
29 Jun 2019	15h58m24.67s	-18 36' 31.4"	2.7882	1.8969	7.7	144.5	12.2	6.74	227.66	20.04	253.3	Lib
30 Jun 2019	15h57m53.63s	-18 38' 55.5"	2.7890	1.9054	7.7	143.5	12.5	6.19	228.57	19.23	252.3	Lib
1 Jul 2019	15h57m24.02s	-18 41' 22.3"	2.7897	1.9141	7.8	142.4	12.8	5.64	229.47	18.43	251.1	Lib
2 Jul 2019	15h56m55.90s	-18 43' 51.8"	2.7905	1.9230	7.8	141.4	13.1	5.08	230.36	17.62	249.8	Lib
3 Jul 2019	15h56m29.27s	-18 46' 24.0"	2.7913	1.9321	7.8	140.3	13.4	4.52	231.24	16.81	248.4	Lib
4 Jul 2019	15h55m54.15s	-18 48' 59.0"	2.7921	1.9414	7.8	139.3	13.7	3.96	232.10	16.00	246.8	Lib
5 Jul 2019	15h55m40.56s	-18 51' 36.7"	2.7928	1.9508	7.9	138.3	14.0	3.39	232.96	15.21	245.0	Lib
6 Jul 2019	15h55m18.51s	-18 54' 17.2"	2.7936	1.9605	7.9	137.2	14.3	2.82	233.81	14.42	243.1	Lib
7 Jul 2019	15h54m58.01s	-18 57' 00.5"	2.7944	1.9703	7.9	136.2	14.6	2.25	234.64	13.65	240.9	Lib
8 Jul 2019	15h54m39.05s	-18 59' 46.6"	2.7951	1.9803	7.9	135.2	14.9	1.67	235.47	12.90	238.4	Lib
9 Jul 2019	15h54m21.66s	-19 02' 35.6"	2.7959	1.9905	7.9	134.2	15.1	1.09	236.29	12.18	235.6	Lib
10 Jul 2019	15h54m05.83s	-19 05' 27.3"	2.7967	2.0008	8.0	133.2	15.4	0.51	237.09	11.49	232.5	Lib
11 Jul 2019	15h53m51.56s	-19 08' 21.9"	2.7975	2.0113	8.0	132.2	15.6	-0.08	237.89	10.83	229.0	Lib
12 Jul 2019	15h53m38.85s	-19 11' 19.2"	2.7982	2.0220	8.0	131.2	15.9	-0.66	238.68	10.23	225.0	Lib
13 Jul 2019	15h53m27.71s	-19 14' 19.2"	2.7990	2.0328	8.0	130.2	16.1	-1.25	239.46	9.67	220.6	Lib
14 Jul 2019	15h53m18.12s	-19 17' 22.1"	2.7998	2.0438	8.0	129.2	16.3	-1.84	240.23	9.18	215.7	Lib
15 Jul 2019	15h53m10.08s	-19 20' 27.6"	2.8005	2.0549	8.1	128.3	16.6	-2.43	240.99	8.77	210.4	Lib
16 Jul 2019	15h53m03.60s	-19 23' 35.8"	2.8013	2.0661	8.1	127.3	16.8	-3.02	241.74	8.44	204.6	Lib
17 Jul 2019	15h52m58.66s	-19 26' 46.6"	2.8021	2.0775	8.1	126.3	17.0	-3.61	242.49	8.20	198.4	Lib
18 Jul 2019	15h52m55.26s	-19 30' 00.1"	2.8028	2.0890	8.1	125.4	17.2	-4.20	243.22	8.07	191.9	Lib
19 Jul 2019	15h52m53.39s	-19 33' 16.2"	2.8036	2.1007	8.1	124.4	17.4	-4.80	243.95	8.04	185.4	Lib
20 Jul 2019	15h52m53.05s	-19 36' 34.8"	2.8044	2.1125	8.2	123.5	17.6	-5.39	244.67	8.11	178.9	Lib
21 Jul 2019	15h52m54.23s	-19 39' 55.9"	2.8051	2.1244	8.2	122.6	17.8	-5.98	245.39	8.28	172.6	Lib
22 Jul 2019	15h52m56.93s	-19 43' 19.6"	2.8059	2.1364	8.2	121.6	18.0	-6.57	246.09	8.54	166.7	Lib
23 Jul 2019	15h53m01.13s	-19 46' 45.7"	2.8067	2.1486	8.2	120.7	18.1	-7.17	246.79	8.89	161.3	Lib
24 Jul 2019	15h53m06.84s	-19 50' 14.2"	2.8074	2.1608	8.2	119.8	18.3	-7.76	247.48	9.30	156.3	Lib
25 Jul 2019	15h53m14.03s	-19 53' 45.1"	2.8082	2.1732	8.3	118.9	18.5	-8.35	248.17	9.78	151.8	Lib
26 Jul 2019	15h53m22.71s	-19 57' 18.3"	2.8090	2.1857	8.3	118.0	18.6	-8.94	248.85	10.31	147.7	Lib
27 Jul 2019	15h53m32.86s	-20 00' 53.9"	2.8097	2.1982	8.3	117.0	18.8	-9.53	249.52	10.88	144.1	Lib
28 Jul 2019	15h53m44.48s	-20 04' 31.7"	2.8105	2.2109	8.3	116.1	18.9	-10.12	250.18	11.48	140.9	Lib
29 Jul 2019	15h53m57.56s	-20 08' 11.7"	2.8112	2.2237	8.3	115.3	19.1	-10.71	250.84	12.11	138.0	Lib
30 Jul 2019	15h54m12.09s	-20 11' 53.9"	2.8120	2.2366	8.3	114.4	19.2	-11.30	251.50	12.76	135.4	Lib
31 Jul 2019	15h54m28.05s	-20 15' 38.3"	2.8127	2.2495	8.4	113.5	19.3	-11.89	252.14	13.43	133.1	Lib
1 Aug 2019	15h54m45.45s	-20 19' 24.8"	2.8135	2.2626	8.4	112.6	19.5	-12.47	252.79	14.11	131.0	Lib