





Ephemeride des Kleinplaneten (20) Massalia

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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1 Dez 2021	09h27m56.12s	+13 56' 30.4"	2.0677	1.5269	10.3	108.8	26.8	30.18	107.07	30.38	110.3	Leo
2 Dez 2021	09h28m43.27s	+13 52' 16.9"	2.0680	1.5165	10.2	109.6	26.7	30.59	107.83	29.33	110.4	Leo
3 Dez 2021	09h29m28.74s	+13 48' 10.6"	2.0683	1.5061	10.2	110.4	26.5	31.00	108.60	28.26	110.6	Leo
4 Dez 2021	09h30m12.52s	+13 44' 11.7"	2.0686	1.4958	10.2	111.3	26.4	31.42	109.38	27.17	110.7	Leo
5 Dez 2021	09h30m54.58s	+13 40' 20.5"	2.0689	1.4856	10.2	112.1	26.2	31.84	110.16	26.07	110.9	Leo
6 Dez 2021	09h31m34.91s	+13 36' 37.1"	2.0692	1.4754	10.2	112.9	26.0	32.26	110.96	24.95	111.1	Leo
7 Dez 2021	09h32m13.47s	+13 33' 01.7"	2.0695	1.4653	10.1	113.8	25.8	32.68	111.77	23.82	111.3	Leo
8 Dez 2021	09h32m50.25s	+13 29' 34.5"	2.0698	1.4553	10.1	114.6	25.6	33.11	112.59	22.67	111.5	Leo
9 Dez 2021	09h33m25.23s	+13 26' 15.7"	2.0701	1.4453	10.1	115.5	25.4	33.54	113.42	21.51	111.7	Leo
10 Dez 2021	09h33m58.40s	+13 23' 05.4"	2.0705	1.4354	10.1	116.4	25.2	33.98	114.27	20.34	111.9	Leo
11 Dez 2021	09h34m29.73s	+13 20' 03.9"	2.0709	1.4256	10.1	117.3	25.0	34.41	115.13	19.15	112.2	Leo
12 Dez 2021	09h34m59.20s	+13 17' 11.1"	2.0712	1.4159	10.0	118.1	24.8	34.86	116.00	17.95	112.4	Leo
13 Dez 2021	09h35m26.80s	+13 14' 27.4"	2.0716	1.4063	10.0	119.0	24.5	35.30	116.88	16.73	112.8	Leo
14 Dez 2021	09h35m52.50s	+13 11' 52.9"	2.0720	1.3968	10.0	119.9	24.3	35.74	117.78	15.50	113.1	Leo
15 Dez 2021	09h36m16.30s	+13 09' 27.8"	2.0724	1.3874	10.0	120.9	24.1	36.19	118.70	14.26	113.6	Leo
16 Dez 2021	09h36m38.16s	+13 07' 12.1"	2.0728	1.3781	10.0	121.8	23.8	36.64	119.63	13.01	114.1	Leo
17 Dez 2021	09h36m58.06s	+13 05' 06.0"	2.0732	1.3688	9.9	122.7	23.5	37.09	120.57	11.74	114.7	Leo
18 Dez 2021	09h37m16.00s	+13 03' 09.7"	2.0736	1.3597	9.9	123.6	23.3	37.55	121.53	10.47	115.4	Leo
19 Dez 2021	09h37m31.96s	+13 01' 23.4"	2.0740	1.3507	9.9	124.6	23.0	38.00	122.51	9.18	116.4	Leo
20 Dez 2021	09h37m45.90s	+12 59' 47.1"	2.0745	1.3418	9.9	125.5	22.7	38.46	123.50	7.88	117.7	Leo
21 Dez 2021	09h37m57.83s	+12 58' 21.0"	2.0749	1.3330	9.8	126.5	22.4	38.92	124.51	6.58	119.4	Leo
22 Dez 2021	09h38m07.71s	+12 57' 05.1"	2.0754	1.3243	9.8	127.5	22.1	39.38	125.54	5.28	122.1	Leo
23 Dez 2021	09h38m15.54s	+12 55' 59.8"	2.0759	1.3158	9.8	128.5	21.8	39.84	126.59	3.98	126.6	Leo
24 Dez 2021	09h38m21.30s	+12 55' 04.9"	2.0763	1.3074	9.8	129.5	21.5	40.30	127.66	2.72	135.3	Leo
25 Dez 2021	09h38m24.98s	+12 54' 20.7"	2.0768	1.2991	9.8	130.5	21.1	40.76	128.75	1.62	157.2	Leo
26 Dez 2021	09h38m26.56s	+12 53' 47.2"	2.0773	1.2909	9.7	131.5	20.8	41.21	129.86	1.24	212.6	Leo
27 Dez 2021	09h38m26.03s	+12 53' 24.5"	2.0778	1.2829	9.7	132.5	20.4	41.67	130.99	2.06	253.2	Leo
28 Dez 2021	09h38m23.39s	+12 53' 12.8"	2.0784	1.2750	9.7	133.5	20.1	42.13	132.14	3.28	267.5	Leo
29 Dez 2021	09h38m18.62s	+12 53' 11.9"	2.0789	1.2673	9.7	134.6	19.7	42.58	133.31	4.60	273.9	Leo
30 Dez 2021	09h38m11.73s	+12 53' 22.1"	2.0794	1.2597	9.6	135.6	19.3	43.04	134.51	5.95	277.4	Leo
31 Dez 2021	09h38m02.70s	+12 53' 43.3"	2.0800	1.2522	9.6	136.7	18.9	43.49	135.74	7.31	279.6	Leo
1 Jan 2022	09h37m51.56s	+12 54' 15.6"	2.0805	1.2450	9.6	137.7	18.5	43.94	136.99	8.68	281.2	Leo
2 Jan 2022	09h37m38.29s	+12 54' 58.9"	2.0811	1.2379	9.6	138.8	18.1	44.38	138.26	10.05	282.3	Leo
3 Jan 2022	09h37m22.91s	+12 55' 53.1"	2.0817	1.2309	9.5	139.9	17.7	44.82	139.56	11.41	283.1	Leo
4 Jan 2022	09h37m05.44s	+12 56' 58.3"	2.0822	1.2242	9.5	141.0	17.3	45.25	140.88	12.76	283.8	Leo
5 Jan 2022	09h36m45.90s	+12 58' 14.4"	2.0828	1.2176	9.5	142.1	16.9	45.68	142.24	14.10	284.3	Leo
6 Jan 2022	09h36m24.30s	+12 59' 41.1"	2.0834	1.2111	9.5	143.2	16.4	46.10	143.62	15.43	284.7	Leo
7 Jan 2022	09h36m00.67s	+13 01' 18.5"	2.0840	1.2049	9.4	144.3	16.0	46.52	145.02	16.73	285.1	Leo
8 Jan 2022	09h35m35.03s	+13 03' 06.3"	2.0846	1.1989	9.4	145.4	15.5	46.93	146.46	18.02	285.4	Leo
9 Jan 2022	09h35m07.43s	+13 05' 04.4"	2.0853	1.1930	9.4	146.6	15.1	47.32	147.92	19.29	285.7	Leo
10 Jan 2022	09h34m37.88s	+13 07' 12.6"	2.0859	1.1874	9.3	147.7	14.6	47.71	149.42	20.54	285.9	Leo
11 Jan 2022	09h34m06.42s	+13 09' 30.7"	2.0866	1.1819	9.3	148.8	14.1	48.09	150.94	21.77	286.1	Leo
12 Jan 2022	09h33m33.09s	+13 11' 58.6"	2.0872	1.1767	9.3	150.0	13.6	48.46	152.49	22.96	286.2	Leo
13 Jan 2022	09h32m57.93s	+13 14' 35.9"	2.0879	1.1716	9.3	151.2	13.1	48.82	154.07	24.13	286.4	Leo
14 Jan 2022	09h32m20.98s	+13 17' 22.4"	2.0885	1.1668	9.2	152.3	12.6	49.16	155.68	25.27	286.5	Leo
15 Jan 2022	09h31m42.29s	+13 20' 18.0"	2.0892	1.1622	9.2	153.5	12.1	49.49	157.32	26.38	286.6	Leo
16 Jan 2022	09h31m01.90s	+13 23' 22.2"	2.0899	1.1578	9.2	154.7	11.6	49.80	158.98	27.46	286.7	Leo
17 Jan 2022	09h30m19.87s	+13 26' 34.8"	2.0906	1.1536	9.2	155.9	11.1	50.10	160.68	28.50	286.8	Leo
18 Jan 2022	09h29m36.25s	+13 29' 55.5"	2.0913	1.1496	9.1	157.1	10.5	50.39	162.40	29.50	286.9	Leo
19 Jan 2022	09h28m51.09s	+13 33' 24.0"	2.0920	1.1459	9.1	158.3	10.0	50.65	164.15	30.46	286.9	Leo
20 Jan 2022	09h28m04.46s	+13 37' 00.0"	2.0927	1.1424	9.1	159.5	9.5	50.90	165.92	31.38	287.0	Leo
21 Jan 2022	09h27m16.43s	+13 40' 43.0"	2.0935	1.1391	9.0	160.8	8.9	51.13	167.72	32.26	287.0	Leo
22 Jan 2022	09h26m27.05s	+13 44' 32.7"	2.0942	1.1361	9.0	162.0	8.4	51.33	169.54	33.09	287.1	Leo
23 Jan 2022	09h25m36.40s	+13 48' 28.8"	2.0950	1.1333	9.0	163.2	7.8	51.52	171.39	33.88	287.1	Leo
24 Jan 2022	09h24m44.55s	+13 52' 30.9"	2.0957	1.1307	9.0	164.4	7.2	51.69	173.25	34.61	287.1	Leo
25 Jan 2022	09h23m51.58s	+13 56' 38.5"	2.0965	1.1284	8.9	165.7	6.7	51.83	175.13	35.29	287.2	Leo
26 Jan 2022	09h22m57.56s	+14 00' 51.3"	2.0973	1.1264	8.9	166.9	6.1	51.95	177.03	35.92	287.2	Leo
27 Jan 2022	09h22m02.59s	+14 05' 08.8"	2.0980	1.1245	8.9	168.2	5.5	52.05	178.94	36.49	287.2	Leo
28 Jan 2022	09h21m06.74s	+14 09' 30.5"	2.0988	1.1230	8.8	169.4	4.9	52.13	180.86	37.00	287.2	Cnc
29 Jan 2022	09h20m10.12s	+14 13' 56.1"	2.0996	1.1217	8.8	170.7	4.4	52.18	182.80	37.46	287.2	Cnc
30 Jan 2022	09h19m12.81s	+14 18' 25.0"	2.1004	1.1206	8.8	171.9	3.8	52.20	184.74	37.84	287.2	Cnc
31 Jan 2022	09h18m14.92s	+14 22' 56.7"	2.1013	1.1198	8.7	173.1	3.2	52.20	186.68	38.16	287.2	Cnc
1 Feb 2022	09h17m16.55s	+14 27' 30.8"	2.1021	1.1192	8.7	174.4	2.6	52.18	188.62	38.42	287.2	Cnc
2 Feb 2022	09h16m17.79s	+14 32' 06.7"	2.1029	1.1190	8.7	175.6	2.1	52.13	190.57	38.61	287.3	Cnc
3 Feb 2022	09h15m18.77s	+14 36' 44.0"	2.1038	1.1189	8.6	176.8	1.5	52.05	192.51	38.73	287.3	Cnc
4 Feb 2022	09h14m19.57s	+14 41' 22.1"	2.1046	1.1192	8.6	177.9	1.0	51.95	194.44	38.78	287.3	Cnc
5 Feb 2022	09h13m20.31s	+14 46' 00.6"	2.1055	1.1197	8.5	178.7	0.6	51.83	196.37	38.77	287.3	Cnc
6 Feb 2022	09h12m21.08s	+14 50' 38.9"	2.1063	1.1204	8.5	178.5	0.7	51.68	198.28	38.68	287.3	Cnc
7 Feb 2022	09h11m21.99s	+14 55' 16.6"	2.1072	1.1214	8.6	177.5	1.1	51.50	200.18	38.54	287.3	Cnc
8 Feb 2022	09h10m23.15s	+14 59' 53.3"	2.1081	1.1227	8.6	176.4	1.7	51.30	202.07	38.33	287.3	Cnc
9 Feb 2022	09h09m24.64s	+15 04' 28.3"	2.1090	1.1242	8.7	175.2	2.2	51.08	203.93	38.06	287.3	Cnc
10 Feb 2022	09h08m26.57s	+15 09' 01.5"	2.1099	1.1260	8.7	174.0	2.8	50.84	205.78	37.72	287.3	Cnc
11 Feb 2022	09h07m29.04s	+15 13' 32.2"	2.1108	1.1281	8.8	172.7	3.4	50.57	207.60	37.33	287.3	Cnc
12 Feb 2022	09h06m32.13s	+15 18' 00.1"	2.1117	1.1304	8.8	171.5	4.0	50.28	209.40	36.88	287.3	Cnc

Ephemeride des Kleinplaneten (20) Massalia

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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13 Feb 2022	09h05m35.94s	+15 22' 24.8"	2.1126	1.1329	8.9	170.3	4.5	49.97	211.18	36.37	287.3	Cnc
14 Feb 2022	09h04m40.55s	+15 26' 46.0"	2.1135	1.1357	8.9	169.0	5.1	49.64	212.92	35.80	287.3	Cnc
15 Feb 2022	09h03m46.05s	+15 31' 03.2"	2.1145	1.1388	8.9	167.8	5.7	49.30	214.65	35.19	287.3	Cnc
16 Feb 2022	09h02m52.53s	+15 35' 16.1"	2.1154	1.1421	9.0	166.6	6.2	48.93	216.34	34.52	287.3	Cnc
17 Feb 2022	09h02m00.06s	+15 39' 24.4"	2.1163	1.1456	9.0	165.4	6.8	48.54	218.00	33.81	287.3	Cnc
18 Feb 2022	09h01m08.72s	+15 43' 27.9"	2.1173	1.1494	9.0	164.1	7.3	48.14	219.63	33.04	287.3	Cnc
19 Feb 2022	09h00m18.58s	+15 47' 26.1"	2.1183	1.1535	9.1	162.9	7.9	47.73	221.24	32.23	287.4	Cnc
20 Feb 2022	08h59m29.72s	+15 51' 18.9"	2.1192	1.1577	9.1	161.7	8.4	47.29	222.81	31.38	287.4	Cnc
21 Feb 2022	08h58m42.21s	+15 55' 06.0"	2.1202	1.1622	9.1	160.5	9.0	46.85	224.35	30.49	287.4	Cnc
22 Feb 2022	08h57m56.11s	+15 58' 47.1"	2.1212	1.1670	9.2	159.3	9.5	46.39	225.86	29.56	287.5	Cnc
23 Feb 2022	08h57m11.48s	+16 02' 22.1"	2.1222	1.1719	9.2	158.1	10.0	45.92	227.34	28.59	287.5	Cnc
24 Feb 2022	08h56m28.40s	+16 05' 50.6"	2.1232	1.1771	9.2	156.9	10.5	45.43	228.79	27.58	287.6	Cnc
25 Feb 2022	08h55m46.91s	+16 09' 12.5"	2.1242	1.1825	9.2	155.7	11.0	44.94	230.20	26.53	287.6	Cnc
26 Feb 2022	08h55m07.72s	+16 12' 27.6"	2.1252	1.1882	9.3	154.6	11.5	44.44	231.59	25.46	287.7	Cnc
27 Feb 2022	08h54m28.95s	+16 15' 35.8"	2.1263	1.1941	9.3	153.4	12.0	43.92	232.95	24.35	287.8	Cnc
28 Feb 2022	08h53m52.58s	+16 18' 36.8"	2.1273	1.2001	9.3	152.2	12.5	43.40	234.28	23.21	287.9	Cnc
1 Mar 2022	08h53m18.03s	+16 21' 30.4"	2.1283	1.2064	9.4	151.1	13.0	42.87	235.58	22.04	288.1	Cnc
2 Mar 2022	08h52m53.33s	+16 24' 16.6"	2.1294	1.2129	9.4	150.0	13.5	42.34	236.85	20.85	288.2	Cnc
3 Mar 2022	08h52m14.52s	+16 26' 55.2"	2.1304	1.2196	9.4	148.8	13.9	41.80	238.09	19.63	288.4	Cnc
4 Mar 2022	08h51m45.65s	+16 29' 26.0"	2.1315	1.2266	9.5	147.7	14.4	41.25	239.30	18.40	288.6	Cnc
5 Mar 2022	08h51m18.73s	+16 31' 49.0"	2.1326	1.2337	9.5	146.6	14.8	40.70	240.49	17.15	288.8	Cnc
6 Mar 2022	08h50m53.81s	+16 34' 04.1"	2.1336	1.2410	9.5	145.5	15.3	40.14	241.66	15.88	289.1	Cnc
7 Mar 2022	08h50m30.90s	+16 36' 11.2"	2.1347	1.2485	9.5	144.4	15.7	39.58	242.79	14.60	289.4	Cnc
8 Mar 2022	08h50m10.02s	+16 38' 10.1"	2.1358	1.2561	9.6	143.3	16.1	39.02	243.90	13.32	289.8	Cnc
9 Mar 2022	08h49m51.19s	+16 40' 01.0"	2.1369	1.2640	9.6	142.2	16.5	38.45	244.99	12.02	290.3	Cnc
10 Mar 2022	08h49m34.41s	+16 41' 43.7"	2.1380	1.2720	9.6	141.1	16.9	37.88	246.06	10.73	291.0	Cnc
11 Mar 2022	08h49m19.69s	+16 43' 18.3"	2.1391	1.2802	9.7	140.1	17.3	37.31	247.10	9.43	291.7	Cnc
12 Mar 2022	08h49m07.04s	+16 44' 44.6"	2.1402	1.2886	9.7	139.0	17.7	36.74	248.12	8.14	292.8	Cnc
13 Mar 2022	08h48m56.46s	+16 46' 02.8"	2.1413	1.2972	9.7	138.0	18.1	36.16	249.11	6.84	294.2	Cnc
14 Mar 2022	08h48m47.95s	+16 47' 12.7"	2.1425	1.3059	9.7	136.9	18.5	35.59	250.09	5.56	296.3	Cnc
15 Mar 2022	08h48m41.49s	+16 48' 14.5"	2.1436	1.3147	9.8	135.9	18.8	35.01	251.05	4.29	299.6	Cnc
16 Mar 2022	08h48m37.09s	+16 49' 08.0"	2.1447	1.3237	9.8	134.9	19.2	34.44	251.99	3.06	305.6	Cnc
17 Mar 2022	08h48m34.74s	+16 49' 53.5"	2.1459	1.3329	9.8	133.9	19.5	33.86	252.90	1.91	319.1	Cnc
18 Mar 2022	08h48m34.42s	+16 50' 30.8"	2.1470	1.3422	9.9	132.9	19.9	33.29	253.80	1.10	359.2	Cnc
19 Mar 2022	08h48m36.12s	+16 51' 00.0"	2.1482	1.3516	9.9	131.9	20.2	32.71	254.69	1.43	57.6	Cnc
20 Mar 2022	08h48m39.82s	+16 51' 21.2"	2.1494	1.3612	9.9	130.9	20.5	32.14	255.55	2.46	79.9	Cnc
21 Mar 2022	08h48m45.52s	+16 51' 34.4"	2.1505	1.3709	9.9	129.9	20.8	31.57	256.40	3.63	88.4	Cnc
22 Mar 2022	08h48m53.19s	+16 51' 39.7"	2.1517	1.3808	10.0	129.0	21.1	31.00	257.24	4.83	92.7	Cnc
23 Mar 2022	08h49m02.82s	+16 51' 37.0"	2.1529	1.3908	10.0	128.0	21.4	30.43	258.05	6.03	95.3	Cnc
24 Mar 2022	08h49m14.39s	+16 51' 26.4"	2.1541	1.4009	10.0	127.1	21.7	29.86	258.86	7.24	97.0	Cnc
25 Mar 2022	08h49m27.88s	+16 51' 08.0"	2.1553	1.4111	10.0	126.1	21.9	29.29	259.65	8.43	98.3	Cnc
26 Mar 2022	08h49m43.29s	+16 50' 41.7"	2.1565	1.4215	10.1	125.2	22.2	28.73	260.42	9.62	99.2	Cnc
27 Mar 2022	08h50m00.59s	+16 50' 07.6"	2.1577	1.4319	10.1	124.3	22.5	28.16	261.18	10.80	99.9	Cnc
28 Mar 2022	08h50m19.75s	+16 49' 25.8"	2.1589	1.4425	10.1	123.4	22.7	27.60	261.93	11.98	100.5	Cnc
29 Mar 2022	08h50m40.78s	+16 48' 36.3"	2.1601	1.4532	10.1	122.5	22.9	27.04	262.66	13.14	101.0	Cnc
30 Mar 2022	08h51m03.63s	+16 47' 39.1"	2.1613	1.4640	10.2	121.6	23.2	26.48	263.39	14.28	101.4	Cnc
31 Mar 2022	08h51m28.29s	+16 46' 34.1"	2.1626	1.4749	10.2	120.7	23.4	25.93	264.10	15.42	101.7	Cnc
1 Apr 2022	08h51m54.74s	+16 45' 21.6"	2.1638	1.4859	10.2	119.8	23.6	25.38	264.80	16.54	102.1	Cnc