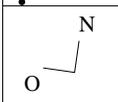


4	●	8	●
5	●	9	●
6	●	10	●
7	●	11	●



00h21m56.7s J2000.0
+02 47' 21" Psc
1 Sep 2024 0:00:00
Bahn von (20) Massalia

Ephemeride des Kleinplaneten (20) Massalia

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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1 Sep 2024	00h45m25.52s	+05 25' 38.1"	2.4442	1.5404	10.1	146.2	13.3	41.51	156.94	19.90	247.2	Psc
2 Sep 2024	00h44m56.75s	+05 22' 28.0"	2.4426	1.5322	10.0	147.3	12.9	41.71	158.39	20.95	247.2	Psc
3 Sep 2024	00h44m26.46s	+05 19' 07.8"	2.4411	1.5242	10.0	148.4	12.5	41.90	159.85	21.99	247.1	Psc
4 Sep 2024	00h43m54.67s	+05 15' 37.5"	2.4395	1.5164	10.0	149.5	12.1	42.08	161.33	23.01	247.1	Psc
5 Sep 2024	00h43m21.41s	+05 11' 57.4"	2.4379	1.5088	10.0	150.6	11.7	42.23	162.83	24.02	247.0	Psc
6 Sep 2024	00h42m46.70s	+05 08' 07.6"	2.4364	1.5014	9.9	151.7	11.3	42.36	164.35	25.00	247.0	Psc
7 Sep 2024	00h42m10.58s	+05 04' 08.2"	2.4348	1.4942	9.9	152.9	10.9	42.48	165.87	25.96	246.9	Psc
8 Sep 2024	00h41m33.08s	+04 59' 59.5"	2.4332	1.4873	9.9	154.0	10.5	42.57	167.41	26.90	246.9	Psc
9 Sep 2024	00h40m54.24s	+04 55' 41.7"	2.4317	1.4805	9.8	155.1	10.0	42.65	168.97	27.81	246.8	Psc
10 Sep 2024	00h40m14.09s	+04 51' 15.0"	2.4301	1.4741	9.8	156.3	9.6	42.70	170.53	28.70	246.8	Psc
11 Sep 2024	00h39m32.68s	+04 46' 39.6"	2.4285	1.4678	9.8	157.5	9.1	42.73	172.10	29.56	246.8	Psc
12 Sep 2024	00h38m50.05s	+04 41' 55.8"	2.4269	1.4618	9.8	158.6	8.7	42.74	173.68	30.38	246.7	Psc
13 Sep 2024	00h38m06.24s	+04 37' 03.9"	2.4253	1.4560	9.7	159.8	8.2	42.73	175.27	31.18	246.7	Psc
14 Sep 2024	00h37m21.30s	+04 32' 04.2"	2.4238	1.4505	9.7	161.0	7.8	42.70	176.87	31.94	246.6	Psc
15 Sep 2024	00h36m35.28s	+04 26' 56.9"	2.4222	1.4452	9.7	162.2	7.3	42.64	178.47	32.68	246.6	Psc
16 Sep 2024	00h35m48.23s	+04 21' 42.4"	2.4206	1.4402	9.7	163.3	6.8	42.56	180.07	33.37	246.6	Psc
17 Sep 2024	00h35m00.20s	+04 16' 20.9"	2.4190	1.4354	9.6	164.5	6.4	42.46	181.67	34.03	246.5	Psc
18 Sep 2024	00h34m14.25s	+04 10' 52.9"	2.4174	1.4309	9.6	165.7	5.9	42.34	183.27	34.66	246.5	Psc
19 Sep 2024	00h33m21.42s	+04 05' 18.6"	2.4158	1.4266	9.6	166.9	5.4	42.19	184.87	35.25	246.5	Psc
20 Sep 2024	00h32m30.76s	+03 59' 38.3"	2.4143	1.4225	9.5	168.1	4.9	42.03	186.47	35.80	246.4	Psc
21 Sep 2024	00h31m39.35s	+03 53' 52.5"	2.4127	1.4188	9.5	169.4	4.4	41.84	188.07	36.30	246.4	Psc
22 Sep 2024	00h30m47.24s	+03 48' 01.4"	2.4111	1.4153	9.5	170.6	3.9	41.63	189.65	36.77	246.3	Psc
23 Sep 2024	00h29m54.48s	+03 42' 05.6"	2.4095	1.4120	9.4	171.8	3.4	41.39	191.24	37.20	246.3	Psc
24 Sep 2024	00h29m01.15s	+03 36' 05.3"	2.4079	1.4090	9.4	173.0	2.9	41.14	192.81	37.58	246.3	Psc
25 Sep 2024	00h28m07.31s	+03 30' 01.1"	2.4063	1.4063	9.4	174.2	2.4	40.86	194.37	37.91	246.2	Psc
26 Sep 2024	00h27m13.03s	+03 23' 53.4"	2.4047	1.4039	9.3	175.5	1.9	40.57	195.92	38.19	246.2	Psc
27 Sep 2024	00h26m18.38s	+03 17' 42.6"	2.4031	1.4017	9.3	176.7	1.4	40.25	197.47	38.43	246.2	Psc
28 Sep 2024	00h25m23.43s	+03 11' 29.3"	2.4015	1.3998	9.3	177.9	0.9	39.92	198.99	38.61	246.1	Psc
29 Sep 2024	00h24m28.27s	+03 05' 13.9"	2.3999	1.3982	9.2	179.1	0.4	39.56	200.51	38.74	246.1	Psc
30 Sep 2024	00h23m32.96s	+02 58' 56.9"	2.3983	1.3968	9.2	179.4	0.2	39.19	202.01	38.82	246.1	Psc
1 Okt 2024	00h22m37.58s	+02 52' 38.9"	2.3967	1.3957	9.2	178.3	0.7	38.79	203.50	38.84	246.0	Psc
2 Okt 2024	00h21m42.21s	+02 46' 20.4"	2.3951	1.3949	9.3	177.1	1.2	38.38	204.97	38.81	246.0	Psc
3 Okt 2024	00h20m46.92s	+02 40' 01.9"	2.3935	1.3943	9.3	175.9	1.7	37.96	206.42	38.73	245.9	Psc
4 Okt 2024	00h19m51.80s	+02 33' 43.9"	2.3919	1.3941	9.3	174.6	2.2	37.52	207.85	38.59	245.9	Psc
5 Okt 2024	00h18m56.92s	+02 27' 27.0"	2.3903	1.3941	9.4	173.4	2.8	37.06	209.27	38.40	245.9	Psc
6 Okt 2024	00h18m02.36s	+02 21' 11.7"	2.3887	1.3943	9.4	172.2	3.3	36.59	210.67	38.16	245.8	Psc
7 Okt 2024	00h17m08.18s	+02 14' 58.4"	2.3871	1.3949	9.4	170.9	3.8	36.10	212.05	37.87	245.8	Psc
8 Okt 2024	00h16m14.48s	+02 08' 47.8"	2.3855	1.3957	9.4	169.7	4.3	35.60	213.42	37.52	245.8	Psc
9 Okt 2024	00h15m21.32s	+02 02' 40.3"	2.3839	1.3967	9.5	168.5	4.8	35.09	214.76	37.12	245.7	Psc
10 Okt 2024	00h14m28.77s	+01 56' 36.5"	2.3823	1.3980	9.5	167.2	5.3	34.56	216.09	36.68	245.7	Psc
11 Okt 2024	00h13m36.91s	+01 50' 36.7"	2.3807	1.3996	9.5	166.0	5.8	34.02	217.39	36.18	245.7	Psc
12 Okt 2024	00h12m45.79s	+01 44' 41.5"	2.3791	1.4015	9.5	164.8	6.3	33.48	218.68	35.64	245.6	Psc
13 Okt 2024	00h11m55.49s	+01 38' 51.3"	2.3775	1.4036	9.6	163.6	6.8	32.92	219.95	35.05	245.6	Psc
14 Okt 2024	00h11m06.08s	+01 33' 06.6"	2.3759	1.4060	9.6	162.4	7.3	32.36	221.20	34.42	245.5	Psc
15 Okt 2024	00h10m17.60s	+01 27' 27.8"	2.3742	1.4086	9.6	161.1	7.8	31.78	222.43	33.75	245.5	Psc
16 Okt 2024	00h09m30.12s	+01 21' 55.2"	2.3726	1.4114	9.6	159.9	8.3	31.20	223.64	33.04	245.4	Psc
17 Okt 2024	00h08m43.70s	+01 16' 29.2"	2.3710	1.4146	9.7	158.7	8.8	30.61	224.84	32.30	245.4	Psc
18 Okt 2024	00h07m58.38s	+01 11' 10.3"	2.3694	1.4179	9.7	157.5	9.2	30.02	226.01	31.51	245.3	Psc
19 Okt 2024	00h07m14.21s	+01 05' 58.7"	2.3678	1.4215	9.7	156.3	9.7	29.41	227.17	30.70	245.3	Psc
20 Okt 2024	00h06m31.26s	+01 00' 54.8"	2.3662	1.4253	9.7	155.1	10.2	28.81	228.31	29.85	245.2	Psc
21 Okt 2024	00h05m49.56s	+00 55' 59.0"	2.3646	1.4294	9.7	154.0	10.6	28.20	229.44	28.96	245.2	Psc
22 Okt 2024	00h05m09.16s	+00 51' 11.5"	2.3630	1.4337	9.8	152.8	11.1	27.58	230.55	28.04	245.1	Psc
23 Okt 2024	00h04m30.11s	+00 46' 32.7"	2.3614	1.4382	9.8	151.6	11.6	26.96	231.64	27.10	245.0	Psc
24 Okt 2024	00h03m52.46s	+00 42' 02.8"	2.3598	1.4430	9.8	150.4	12.0	26.34	232.71	26.12	245.0	Psc
25 Okt 2024	00h03m16.24s	+00 37' 42.3"	2.3582	1.4479	9.8	149.3	12.4	25.72	233.77	25.11	244.9	Psc
26 Okt 2024	00h02m41.49s	+00 33' 31.3"	2.3565	1.4531	9.8	148.1	12.9	25.09	234.82	24.07	244.8	Psc
27 Okt 2024	00h02m08.26s	+00 29' 30.1"	2.3549	1.4585	9.9	147.0	13.3	24.46	235.85	23.01	244.7	Psc
28 Okt 2024	00h01m36.58s	+00 25' 39.1"	2.3533	1.4641	9.9	145.8	13.7	23.83	236.86	21.93	244.6	Psc
29 Okt 2024	00h01m06.48s	+00 21' 58.3"	2.3517	1.4700	9.9	144.7	14.1	23.20	237.86	20.82	244.5	Psc
30 Okt 2024	00h00m38.00s	+00 18' 28.2"	2.3501	1.4760	9.9	143.6	14.5	22.58	238.85	19.70	244.3	Psc
31 Okt 2024	00h00m11.16s	+00 15' 08.7"	2.3485	1.4822	9.9	142.4	14.9	21.95	239.82	18.55	244.2	Psc
1 Nov 2024	23h59m45.99s	+00 12' 00.3"	2.3469	1.4886	10.0	141.3	15.3	21.32	240.79	17.39	244.0	Psc