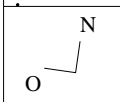


4	●	8	●
5	●	9	●
6	●	10	●
7	●	11	●

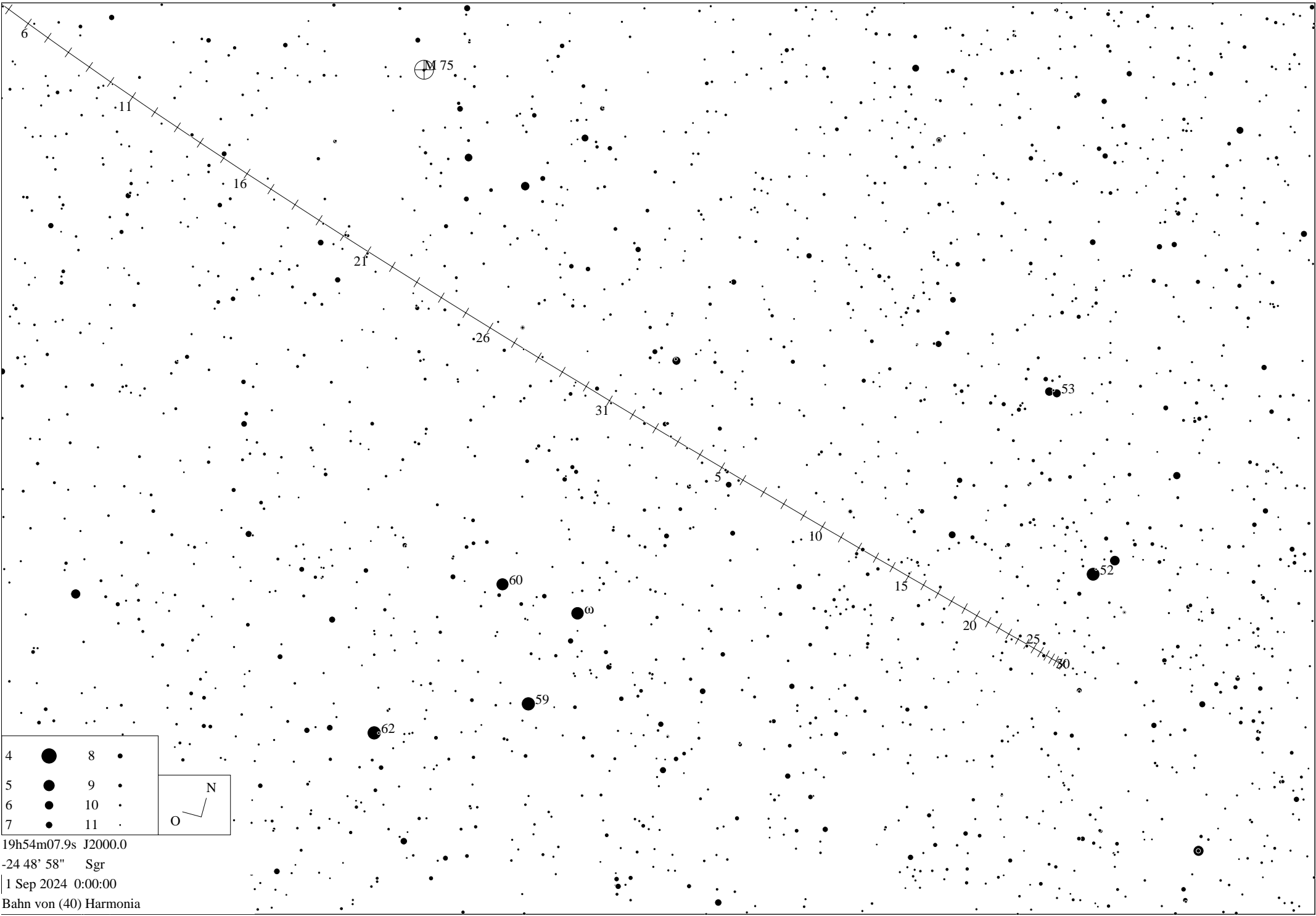


20h17m48.7s J2000.0

-21 42' 18" Cap

1 Jun 2024 0:00:00

Bahn von (40) Harmonia



19h54m07.9s J2000.0
 -24 48' 58" Sgr
 | 1 Sep 2024 0:00:00
 Bahn von (40) Harmonia

Ephemeride des Kleinplaneten (40) Harmonia

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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1 Jun 2024	20h32m19.11s	-19 56' 44.3"	2.2437	1.5003	10.2	125.2	21.7	8.37	138.15	8.58	119.1	Cap
2 Jun 2024	20h32m32.28s	-19 58' 23.7"	2.2432	1.4902	10.2	126.1	21.4	8.72	138.96	7.83	125.2	Cap
3 Jun 2024	20h32m43.59s	-20 00' 11.3"	2.2426	1.4802	10.2	127.1	21.2	9.07	139.78	7.17	132.5	Cap
4 Jun 2024	20h32m53.02s	-20 02' 07.1"	2.2421	1.4703	10.2	128.0	20.9	9.42	140.61	6.65	141.3	Cap
5 Jun 2024	20h33m00.56s	-20 04' 11.1"	2.2416	1.4606	10.1	128.9	20.6	9.76	141.45	6.31	151.3	Cap
6 Jun 2024	20h33m06.20s	-20 06' 23.6"	2.2411	1.4509	10.1	129.9	20.3	10.09	142.31	6.17	162.1	Cap
7 Jun 2024	20h33m09.92s	-20 08' 44.3"	2.2406	1.4414	10.1	130.8	20.0	10.41	143.17	6.27	173.1	Cap
8 Jun 2024	20h33m11.72s	-20 11' 13.5"	2.2401	1.4321	10.1	131.8	19.8	10.73	144.05	6.58	183.4	Cap
9 Jun 2024	20h33m11.58s	-20 13' 51.0"	2.2395	1.4228	10.0	132.7	19.4	11.05	144.94	7.08	192.6	Cap
10 Jun 2024	20h33m09.50s	-20 16' 36.8"	2.2390	1.4137	10.0	133.7	19.1	11.35	145.84	7.74	200.4	Cap
11 Jun 2024	20h33m05.48s	-20 19' 31.0"	2.2385	1.4048	10.0	134.7	18.8	11.65	146.75	8.51	206.9	Cap
12 Jun 2024	20h32m59.52s	-20 22' 33.4"	2.2380	1.3960	10.0	135.7	18.5	11.94	147.67	9.38	212.2	Cap
13 Jun 2024	20h32m51.60s	-20 25' 44.0"	2.2375	1.3873	9.9	136.7	18.1	12.22	148.61	10.31	216.7	Cap
14 Jun 2024	20h32m41.74s	-20 29' 02.8"	2.2370	1.3788	9.9	137.7	17.8	12.49	149.55	11.29	220.3	Cap
15 Jun 2024	20h32m29.93s	-20 32' 29.6"	2.2365	1.3705	9.9	138.7	17.4	12.76	150.51	12.30	223.4	Cap
16 Jun 2024	20h32m16.17s	-20 36' 04.3"	2.2360	1.3623	9.9	139.7	17.1	13.01	151.48	13.34	226.1	Cap
17 Jun 2024	20h32m00.47s	-20 39' 46.9"	2.2354	1.3543	9.8	140.7	16.7	13.26	152.46	14.39	228.3	Cap
18 Jun 2024	20h31m42.83s	-20 43' 37.1"	2.2349	1.3465	9.8	141.8	16.3	13.50	153.45	15.46	230.3	Cap
19 Jun 2024	20h31m23.26s	-20 47' 35.0"	2.2344	1.3388	9.8	142.8	16.0	13.72	154.46	16.54	231.9	Cap
20 Jun 2024	20h31m01.77s	-20 51' 40.2"	2.2339	1.3314	9.8	143.9	15.6	13.94	155.47	17.61	233.4	Cap
21 Jun 2024	20h30m38.36s	-20 55' 52.7"	2.2334	1.3240	9.7	144.9	15.2	14.14	156.49	18.69	234.8	Cap
22 Jun 2024	20h30m13.05s	-21 00' 12.3"	2.2329	1.3169	9.7	146.0	14.7	14.33	157.53	19.77	235.9	Cap
23 Jun 2024	20h29m45.86s	-21 04' 38.8"	2.2324	1.3100	9.7	147.1	14.3	14.51	158.58	20.84	237.0	Cap
24 Jun 2024	20h29m16.78s	-21 09' 12.0"	2.2319	1.3032	9.7	148.1	13.9	14.68	159.63	21.90	238.0	Cap
25 Jun 2024	20h28m45.85s	-21 13' 51.6"	2.2314	1.2967	9.6	149.2	13.5	14.84	160.70	22.96	238.9	Cap
26 Jun 2024	20h28m13.08s	-21 18' 37.5"	2.2309	1.2903	9.6	150.3	13.0	14.98	161.77	24.00	239.7	Cap
27 Jun 2024	20h27m38.49s	-21 23' 29.3"	2.2304	1.2841	9.6	151.4	12.6	15.12	162.86	25.02	240.4	Cap
28 Jun 2024	20h27m02.11s	-21 28' 26.9"	2.2299	1.2782	9.6	152.5	12.1	15.24	163.95	26.04	241.1	Cap
29 Jun 2024	20h26m23.97s	-21 33' 30.0"	2.2294	1.2724	9.5	153.6	11.7	15.34	165.05	27.03	241.7	Cap
30 Jun 2024	20h25m44.09s	-21 38' 38.2"	2.2289	1.2668	9.5	154.7	11.2	15.43	166.16	27.99	242.3	Cap
1 Jul 2024	20h25m02.52s	-21 43' 51.3"	2.2284	1.2615	9.5	155.9	10.8	15.51	167.28	28.94	242.9	Cap
2 Jul 2024	20h24m19.29s	-21 49' 08.9"	2.2279	1.2564	9.4	157.0	10.3	15.57	168.41	29.85	243.4	Cap
3 Jul 2024	20h23m34.45s	-21 54' 30.6"	2.2274	1.2515	9.4	158.1	9.8	15.62	169.54	30.73	243.9	Cap
4 Jul 2024	20h22m48.06s	-21 59' 56.1"	2.2269	1.2468	9.4	159.2	9.3	15.66	170.68	31.58	244.4	Cap
5 Jul 2024	20h22m00.16s	-22 05' 25.0"	2.2264	1.2423	9.4	160.4	8.8	15.68	171.82	32.40	244.8	Cap
6 Jul 2024	20h21m10.82s	-22 10' 56.9"	2.2259	1.2381	9.3	161.5	8.3	15.68	172.97	33.17	245.3	Cap
7 Jul 2024	20h20m20.09s	-22 16' 31.4"	2.2254	1.2341	9.3	162.7	7.8	15.67	174.13	33.90	245.7	Cap
8 Jul 2024	20h19m28.05s	-22 22' 08.0"	2.2249	1.2304	9.3	163.8	7.3	15.65	175.29	34.59	246.0	Cap
9 Jul 2024	20h18m34.76s	-22 27' 46.4"	2.2244	1.2268	9.2	165.0	6.8	15.61	176.45	35.24	246.4	Cap
10 Jul 2024	20h17m40.28s	-22 33' 26.0"	2.2239	1.2235	9.2	166.1	6.3	15.55	177.62	35.84	246.8	Cap
11 Jul 2024	20h16m44.70s	-22 39' 06.5"	2.2234	1.2205	9.2	167.3	5.8	15.48	178.79	36.39	247.1	Cap
12 Jul 2024	20h15m48.09s	-22 44' 47.4"	2.2230	1.2177	9.1	168.4	5.3	15.39	179.96	36.90	247.5	Cap
13 Jul 2024	20h14m50.53s	-22 50' 28.2"	2.2225	1.2151	9.1	169.5	4.8	15.29	181.13	37.35	247.8	Cap
14 Jul 2024	20h13m52.09s	-22 56' 08.6"	2.2220	1.2128	9.1	170.7	4.3	15.17	182.30	37.76	248.1	Cap
15 Jul 2024	20h12m52.86s	-23 01' 48.1"	2.2215	1.2107	9.1	171.8	3.8	15.04	183.47	38.11	248.4	Cap
16 Jul 2024	20h11m52.93s	-23 07' 26.2"	2.2210	1.2089	9.0	172.9	3.3	14.89	184.64	38.41	248.7	Cap
17 Jul 2024	20h10m52.36s	-23 13' 02.6"	2.2205	1.2073	9.0	173.9	2.8	14.73	185.81	38.67	249.0	Cap
18 Jul 2024	20h09m51.26s	-23 18' 36.8"	2.2201	1.2060	9.0	174.9	2.3	14.55	186.98	38.86	249.3	Cap
19 Jul 2024	20h08m49.71s	-23 24' 08.4"	2.2196	1.2049	8.9	175.7	2.0	14.36	188.14	39.01	249.6	Cap
20 Jul 2024	20h07m47.79s	-23 29' 37.1"	2.2191	1.2041	8.9	176.4	1.7	14.15	189.30	39.11	249.8	Cap
21 Jul 2024	20h06m45.59s	-23 35' 02.4"	2.2186	1.2035	8.9	176.7	1.5	13.93	190.46	39.15	250.1	Sgr
22 Jul 2024	20h05m43.19s	-23 40' 24.0"	2.2181	1.2031	8.9	176.6	1.6	13.69	191.62	39.14	250.4	Sgr
23 Jul 2024	20h04m40.69s	-23 45' 41.5"	2.2177	1.2030	8.9	176.1	1.8	13.44	192.76	39.08	250.6	Sgr
24 Jul 2024	20h03m38.16s	-23 50' 54.6"	2.2172	1.2032	8.9	175.4	2.1	13.18	193.91	38.97	250.9	Sgr
25 Jul 2024	20h02m35.71s	-23 56' 03.0"	2.2167	1.2036	9.0	174.4	2.5	12.90	195.05	38.80	251.1	Sgr
26 Jul 2024	20h01m33.42s	-24 01' 06.3"	2.2162	1.2042	9.0	173.4	3.0	12.61	196.18	38.59	251.4	Sgr
27 Jul 2024	20h00m31.37s	-24 06' 04.2"	2.2158	1.2051	9.0	172.4	3.5	12.31	197.30	38.32	251.6	Sgr
28 Jul 2024	19h59m29.67s	-24 10' 56.5"	2.2153	1.2063	9.0	171.3	4.0	11.99	198.42	37.99	251.9	Sgr
29 Jul 2024	19h58m28.40s	-24 15' 42.9"	2.2148	1.2077	9.1	170.1	4.5	11.67	199.53	37.62	252.1	Sgr
30 Jul 2024	19h57m27.65s	-24 20' 23.0"	2.2144	1.2093	9.1	169.0	5.0	11.33	200.63	37.19	252.3	Sgr
31 Jul 2024	19h56m27.52s	-24 24' 56.7"	2.2139	1.2112	9.1	167.9	5.5	10.98	201.73	36.71	252.5	Sgr
1 Aug 2024	19h55m28.11s	-24 29' 23.6"	2.2134	1.2133	9.2	166.7	6.1	10.62	202.81	36.17	252.8	Sgr
2 Aug 2024	19h54m29.50s	-24 33' 43.7"	2.2130	1.2157	9.2	165.6	6.6	10.25	203.89	35.59	253.0	Sgr
3 Aug 2024	19h53m31.79s	-24 37' 56.6"	2.2125	1.2183	9.2	164.4	7.1	9.87	204.96	34.95	253.2	Sgr
4 Aug 2024	19h52m35.05s	-24 42' 02.2"	2.2121	1.2211	9.3	163.2	7.6	9.48	206.01	34.27	253.4	Sgr
5 Aug 2024	19h51m39.38s	-24 46' 00.3"	2.2116	1.2242	9.3	162.1	8.1	9.08	207.06	33.54	253.6	Sgr
6 Aug 2024	19h50m44.87s	-24 49' 50.7"	2.2111	1.2275	9.3	160.9	8.6	8.67	208.10	32.77	253.8	Sgr
7 Aug 2024	19h49m51.58s	-24 53' 33.4"	2.2107	1.2310	9.3	159.8	9.1	8.26	209.13	31.95	254.0	Sgr
8 Aug 2024	19h48m59.60s	-24 57' 08.3"	2.2102	1.2348	9.4	158.6	9.6	7.83	210.14	31.10	254.2	Sgr
9 Aug 2024	19h48m09.00s	-25 00' 35.2"	2.2098	1.2388	9.4	157.5	10.1	7.40	211.15	30.20	254.4	Sgr
10 Aug 2024	19h47m19.84s	-25 03' 54.0"	2.2093	1.2430	9.4	156.4	10.6	6.97	212.14	29.27	254.6	Sgr
11 Aug 2024	19h46m32.21s	-25 07' 04.8"	2.2089	1.2474	9.4	155.2	11.1	6.52	213.13	28.31	254.8	Sgr
12 Aug 2024	19h45m46.14s	-25 10' 07.4"	2.2084	1.2521	9.5	154.1	11.6	6.07	214.10	27.31	255.0	Sgr
13 Aug 2024	19h45m01.71s	-25 13' 02.0"	2.2080	1.2569	9.5	153.0	12.0	5.62	215.07	26.28	255.1	Sgr

Ephemeride des Kleinplaneten (40) Harmonia

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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14 Aug 2024	19h44m18.97s	-25 15' 48.3"	2.2075	1.2620	9.5	151.9	12.5	5.16	216.02	25.23	255.3	Sgr
15 Aug 2024	19h43m37.97s	-25 18' 26.6"	2.2071	1.2672	9.5	150.7	13.0	4.69	216.96	24.15	255.5	Sgr
16 Aug 2024	19h42m58.75s	-25 20' 56.7"	2.2067	1.2727	9.6	149.6	13.4	4.22	217.89	23.05	255.7	Sgr
17 Aug 2024	19h42m21.35s	-25 23' 18.7"	2.2062	1.2784	9.6	148.5	13.9	3.75	218.81	21.93	255.8	Sgr
18 Aug 2024	19h41m45.81s	-25 25' 32.7"	2.2058	1.2842	9.6	147.5	14.3	3.28	219.72	20.80	256.0	Sgr
19 Aug 2024	19h41m12.17s	-25 27' 38.8"	2.2053	1.2903	9.6	146.4	14.7	2.80	220.62	19.64	256.2	Sgr
20 Aug 2024	19h40m40.45s	-25 29' 36.9"	2.2049	1.2965	9.7	145.3	15.1	2.31	221.51	18.48	256.3	Sgr
21 Aug 2024	19h40m10.69s	-25 31' 27.2"	2.2045	1.3029	9.7	144.2	15.6	1.83	222.39	17.30	256.5	Sgr
22 Aug 2024	19h39m42.91s	-25 33' 09.7"	2.2040	1.3095	9.7	143.2	16.0	1.34	223.25	16.10	256.7	Sgr
23 Aug 2024	19h39m17.13s	-25 34' 44.6"	2.2036	1.3163	9.7	142.1	16.4	0.85	224.11	14.90	256.8	Sgr
24 Aug 2024	19h38m53.37s	-25 36' 11.9"	2.2032	1.3233	9.8	141.0	16.8	0.36	224.96	13.69	257.0	Sgr
25 Aug 2024	19h38m31.66s	-25 37' 31.6"	2.2027	1.3304	9.8	140.0	17.2	-0.13	225.80	12.47	257.2	Sgr
26 Aug 2024	19h38m12.01s	-25 38' 43.9"	2.2023	1.3377	9.8	139.0	17.5	-0.62	226.62	11.24	257.4	Sgr
27 Aug 2024	19h37m54.45s	-25 39' 48.8"	2.2019	1.3451	9.8	137.9	17.9	-1.11	227.44	10.00	257.6	Sgr
28 Aug 2024	19h37m38.98s	-25 40' 46.4"	2.2015	1.3527	9.9	136.9	18.3	-1.61	228.25	8.76	257.9	Sgr
29 Aug 2024	19h37m25.62s	-25 41' 36.8"	2.2011	1.3605	9.9	135.9	18.6	-2.10	229.05	7.51	258.2	Sgr
30 Aug 2024	19h37m14.39s	-25 42' 20.1"	2.2006	1.3684	9.9	134.9	19.0	-2.60	229.84	6.26	258.6	Sgr
31 Aug 2024	19h37m05.29s	-25 42' 56.3"	2.2002	1.3765	9.9	133.9	19.3	-3.09	230.62	5.00	259.1	Sgr
1 Sep 2024	19h36m58.32s	-25 43' 25.5"	2.1998	1.3847	10.0	132.9	19.6	-3.58	231.39	3.75	259.9	Sgr