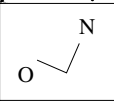


4	●	8	●
5	●	9	●
6	●	10	●
7	●	11	●



18h04m09.3s J2000.0
 -23 19' 01" Sgr
 1 Jun 2017 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 2017	18h30m01.77s	-22 09' 14.1"	2.2780	1.3251	10.1	153.5	11.5	14.89	166.39	26.88	257.0	Sgr
2 Jun 2017	18h29m17.57s	-22 11' 39.4"	2.2775	1.3193	10.1	154.6	11.0	15.01	167.50	27.84	257.3	Sgr
3 Jun 2017	18h28m31.70s	-22 14' 06.8"	2.2769	1.3136	10.0	155.8	10.5	15.12	168.63	28.78	257.5	Sgr
4 Jun 2017	18h27m44.21s	-22 16' 36.1"	2.2764	1.3082	10.0	156.9	10.1	15.21	169.76	29.69	257.8	Sgr
5 Jun 2017	18h26m55.16s	-22 19' 07.1"	2.2759	1.3030	10.0	158.1	9.6	15.29	170.90	30.58	258.0	Sgr
6 Jun 2017	18h26m04.59s	-22 21' 39.8"	2.2753	1.2980	10.0	159.2	9.1	15.36	172.04	31.42	258.3	Sgr
7 Jun 2017	18h25m12.56s	-22 24' 14.0"	2.2748	1.2933	9.9	160.4	8.6	15.41	173.19	32.24	258.5	Sgr
8 Jun 2017	18h24m19.13s	-22 26' 49.4"	2.2743	1.2887	9.9	161.5	8.1	15.45	174.35	33.02	258.7	Sgr
9 Jun 2017	18h23m24.35s	-22 29' 26.0"	2.2737	1.2845	9.9	162.7	7.6	15.47	175.52	33.77	258.9	Sgr
10 Jun 2017	18h22m28.28s	-22 32' 03.4"	2.2732	1.2804	9.8	163.9	7.1	15.48	176.69	34.47	259.0	Sgr
11 Jun 2017	18h21m30.99s	-22 34' 41.7"	2.2727	1.2766	9.8	165.1	6.6	15.47	177.86	35.14	259.2	Sgr
12 Jun 2017	18h20m32.55s	-22 37' 20.5"	2.2722	1.2730	9.8	166.2	6.1	15.45	179.04	35.77	259.4	Sgr
13 Jun 2017	18h19m33.01s	-22 39' 59.7"	2.2716	1.2697	9.8	167.4	5.6	15.41	180.22	36.35	259.6	Sgr
14 Jun 2017	18h18m32.46s	-22 42' 39.2"	2.2711	1.2666	9.7	168.6	5.1	15.35	181.41	36.90	259.7	Sgr
15 Jun 2017	18h17m30.97s	-22 45' 18.7"	2.2706	1.2637	9.7	169.8	4.5	15.28	182.59	37.39	259.9	Sgr
16 Jun 2017	18h16m28.62s	-22 47' 58.2"	2.2700	1.2611	9.7	171.0	4.0	15.19	183.78	37.84	260.0	Sgr
17 Jun 2017	18h15m25.48s	-22 50' 37.3"	2.2695	1.2588	9.6	172.2	3.5	15.09	184.97	38.25	260.2	Sgr
18 Jun 2017	18h14m21.63s	-22 53' 15.9"	2.2690	1.2567	9.6	173.4	3.0	14.97	186.16	38.60	260.3	Sgr
19 Jun 2017	18h13m17.17s	-22 55' 54.0"	2.2684	1.2548	9.5	174.6	2.4	14.84	187.34	38.90	260.5	Sgr
20 Jun 2017	18h12m12.18s	-22 58' 31.3"	2.2679	1.2532	9.5	175.8	1.9	14.68	188.53	39.15	260.6	Sgr
21 Jun 2017	18h11m06.75s	-23 01' 07.6"	2.2674	1.2519	9.5	177.0	1.3	14.52	189.72	39.35	260.7	Sgr
22 Jun 2017	18h10m00.97s	-23 03' 42.9"	2.2668	1.2508	9.4	178.2	0.8	14.34	190.90	39.49	260.8	Sgr
23 Jun 2017	18h08m54.94s	-23 06' 16.9"	2.2663	1.2499	9.3	179.4	0.3	14.14	192.08	39.57	260.9	Sgr
24 Jun 2017	18h07m48.76s	-23 08' 49.7"	2.2658	1.2494	9.3	179.3	0.3	13.93	193.26	39.60	261.0	Sgr
25 Jun 2017	18h06m42.52s	-23 11' 21.0"	2.2652	1.2490	9.4	178.1	0.8	13.70	194.43	39.57	261.1	Sgr
26 Jun 2017	18h05m36.33s	-23 13' 50.7"	2.2647	1.2490	9.4	176.9	1.4	13.45	195.59	39.48	261.2	Sgr
27 Jun 2017	18h04m30.28s	-23 16' 18.9"	2.2642	1.2492	9.5	175.7	1.9	13.20	196.76	39.34	261.3	Sgr
28 Jun 2017	18h03m24.47s	-23 18' 45.3"	2.2636	1.2496	9.5	174.5	2.5	12.93	197.91	39.14	261.4	Sgr
29 Jun 2017	18h02m19.00s	-23 21' 10.0"	2.2631	1.2503	9.6	173.3	3.0	12.64	199.06	38.88	261.5	Sgr
30 Jun 2017	18h01m13.95s	-23 23' 32.8"	2.2626	1.2512	9.6	172.1	3.5	12.34	200.20	38.58	261.5	Sgr
1 Jul 2017	18h00m09.43s	-23 25' 53.7"	2.2620	1.2524	9.6	170.9	4.1	12.03	201.34	38.22	261.6	Sgr
2 Jul 2017	17h59m05.51s	-23 28' 12.8"	2.2615	1.2539	9.7	169.7	4.6	11.70	202.46	37.81	261.6	Sgr
3 Jul 2017	17h58m02.29s	-23 30' 29.8"	2.2610	1.2556	9.7	168.5	5.1	11.36	203.58	37.35	261.7	Sgr
4 Jul 2017	17h56m59.85s	-23 32' 44.9"	2.2604	1.2575	9.7	167.3	5.7	11.01	204.69	36.85	261.7	Sgr
5 Jul 2017	17h55m58.27s	-23 34' 58.1"	2.2599	1.2597	9.8	166.1	6.2	10.65	205.79	36.30	261.7	Sgr
6 Jul 2017	17h54m57.63s	-23 37' 09.2"	2.2594	1.2621	9.8	164.9	6.7	10.28	206.88	35.70	261.7	Sgr
7 Jul 2017	17h53m58.00s	-23 39' 18.4"	2.2588	1.2648	9.8	163.8	7.2	9.89	207.96	35.07	261.7	Sgr
8 Jul 2017	17h52m59.47s	-23 41' 25.5"	2.2583	1.2676	9.8	162.6	7.7	9.50	209.03	34.39	261.7	Sgr
9 Jul 2017	17h52m02.11s	-23 43' 30.7"	2.2578	1.2708	9.9	161.4	8.2	9.09	210.09	33.67	261.7	Sgr
10 Jul 2017	17h51m05.97s	-23 45' 34.0"	2.2572	1.2741	9.9	160.3	8.8	8.68	211.14	32.91	261.6	Sgr
11 Jul 2017	17h50m11.14s	-23 47' 35.4"	2.2567	1.2777	9.9	159.1	9.3	8.25	212.17	32.12	261.6	Sgr
12 Jul 2017	17h49m17.68s	-23 49' 34.9"	2.2562	1.2815	9.9	157.9	9.7	7.82	213.20	31.29	261.5	Sgr
13 Jul 2017	17h48m25.64s	-23 51' 32.5"	2.2556	1.2856	10.0	156.8	10.2	7.38	214.22	30.43	261.4	Sgr
14 Jul 2017	17h47m35.09s	-23 53' 28.4"	2.2551	1.2898	10.0	155.6	10.7	6.93	215.22	29.53	261.3	Sgr
15 Jul 2017	17h46m46.08s	-23 55' 22.5"	2.2546	1.2943	10.0	154.5	11.2	6.47	216.22	28.60	261.2	Sgr
16 Jul 2017	17h45m58.68s	-23 57' 14.9"	2.2540	1.2990	10.0	153.4	11.7	6.00	217.20	27.65	261.0	Sgr
17 Jul 2017	17h45m12.92s	-23 59' 05.7"	2.2535	1.3039	10.1	152.2	12.1	5.53	218.17	26.66	260.8	Sgr
18 Jul 2017	17h44m28.88s	-24 00' 54.9"	2.2530	1.3090	10.1	151.1	12.6	5.05	219.13	25.65	260.6	Sgr
19 Jul 2017	17h43m46.59s	-24 02' 42.6"	2.2525	1.3143	10.1	150.0	13.0	4.57	220.08	24.61	260.4	Sgr
20 Jul 2017	17h43m06.10s	-24 04' 28.8"	2.2519	1.3198	10.1	148.9	13.5	4.08	221.02	23.55	260.1	Oph
21 Jul 2017	17h42m27.45s	-24 06' 13.7"	2.2514	1.3255	10.2	147.8	13.9	3.59	221.94	22.47	259.8	Oph
22 Jul 2017	17h41m50.70s	-24 07' 57.3"	2.2509	1.3315	10.2	146.7	14.4	3.09	222.85	21.36	259.4	Oph
23 Jul 2017	17h41m15.87s	-24 09' 39.7"	2.2503	1.3376	10.2	145.6	14.8	2.58	223.76	20.23	259.0	Oph
24 Jul 2017	17h40m43.01s	-24 11' 20.9"	2.2498	1.3439	10.2	144.5	15.2	2.08	224.65	19.09	258.4	Oph
25 Jul 2017	17h40m12.15s	-24 13' 01.0"	2.2493	1.3503	10.3	143.5	15.6	1.56	225.53	17.94	257.8	Oph
26 Jul 2017	17h39m43.32s	-24 14' 40.2"	2.2487	1.3570	10.3	142.4	16.0	1.05	226.39	16.77	257.1	Oph
27 Jul 2017	17h39m16.53s	-24 16' 18.4"	2.2482	1.3638	10.3	141.3	16.4	0.53	227.25	15.60	256.3	Oph
28 Jul 2017	17h38m51.81s	-24 17' 55.8"	2.2477	1.3709	10.3	140.3	16.8	0.01	228.10	14.42	255.3	Oph
29 Jul 2017	17h38m29.18s	-24 19' 32.4"	2.2472	1.3780	10.4	139.2	17.2	-0.51	228.93	13.24	254.1	Oph
30 Jul 2017	17h38m08.64s	-24 21' 08.2"	2.2466	1.3854	10.4	138.2	17.5	-1.03	229.75	12.06	252.6	Oph
31 Jul 2017	17h37m50.21s	-24 22' 43.4"	2.2461	1.3929	10.4	137.2	17.9	-1.56	230.57	10.89	250.9	Oph
1 Aug 2017	17h37m33.89s	-24 24' 17.9"	2.2456	1.4005	10.4	136.2	18.2	-2.09	231.37	9.73	248.7	Oph