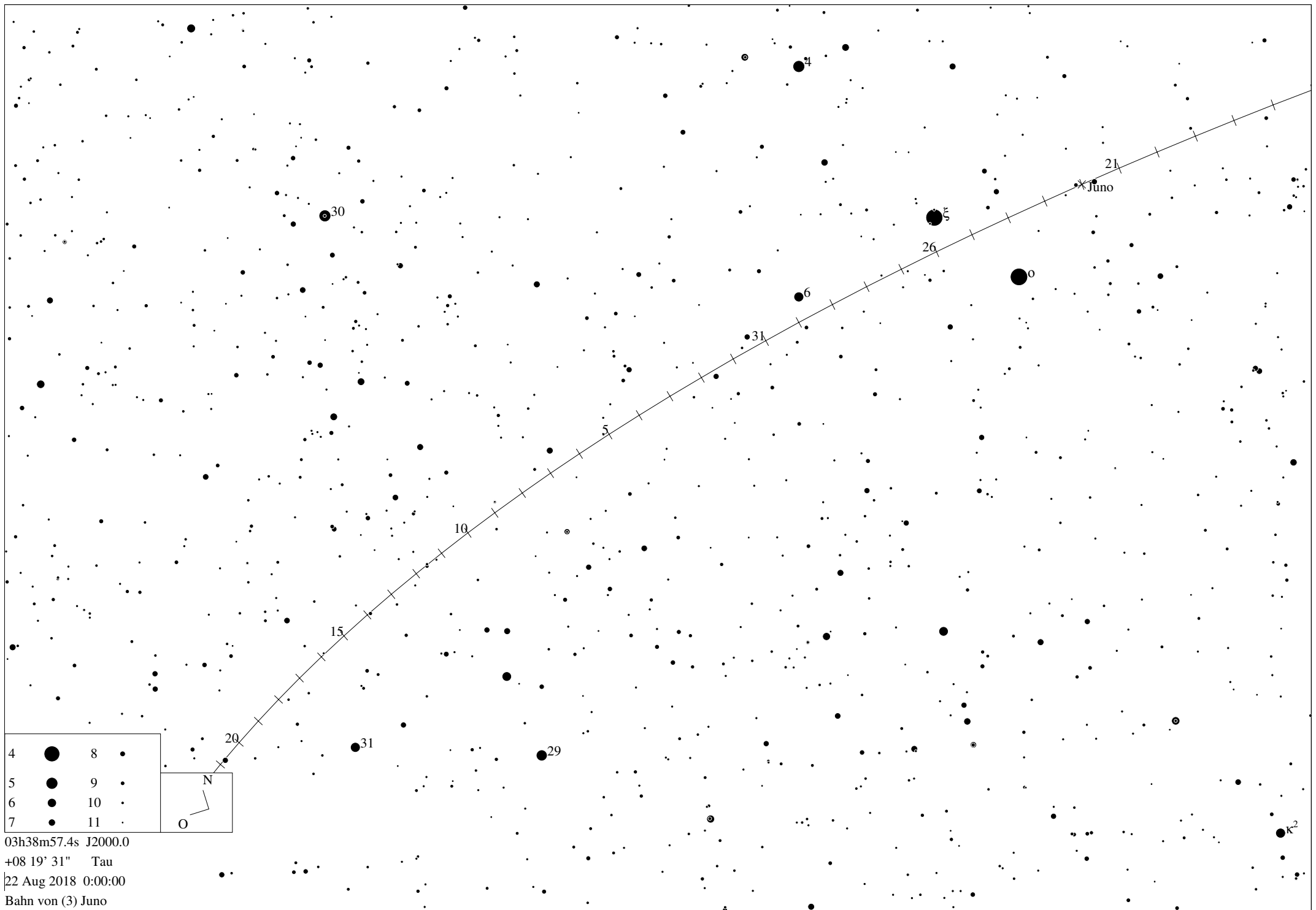
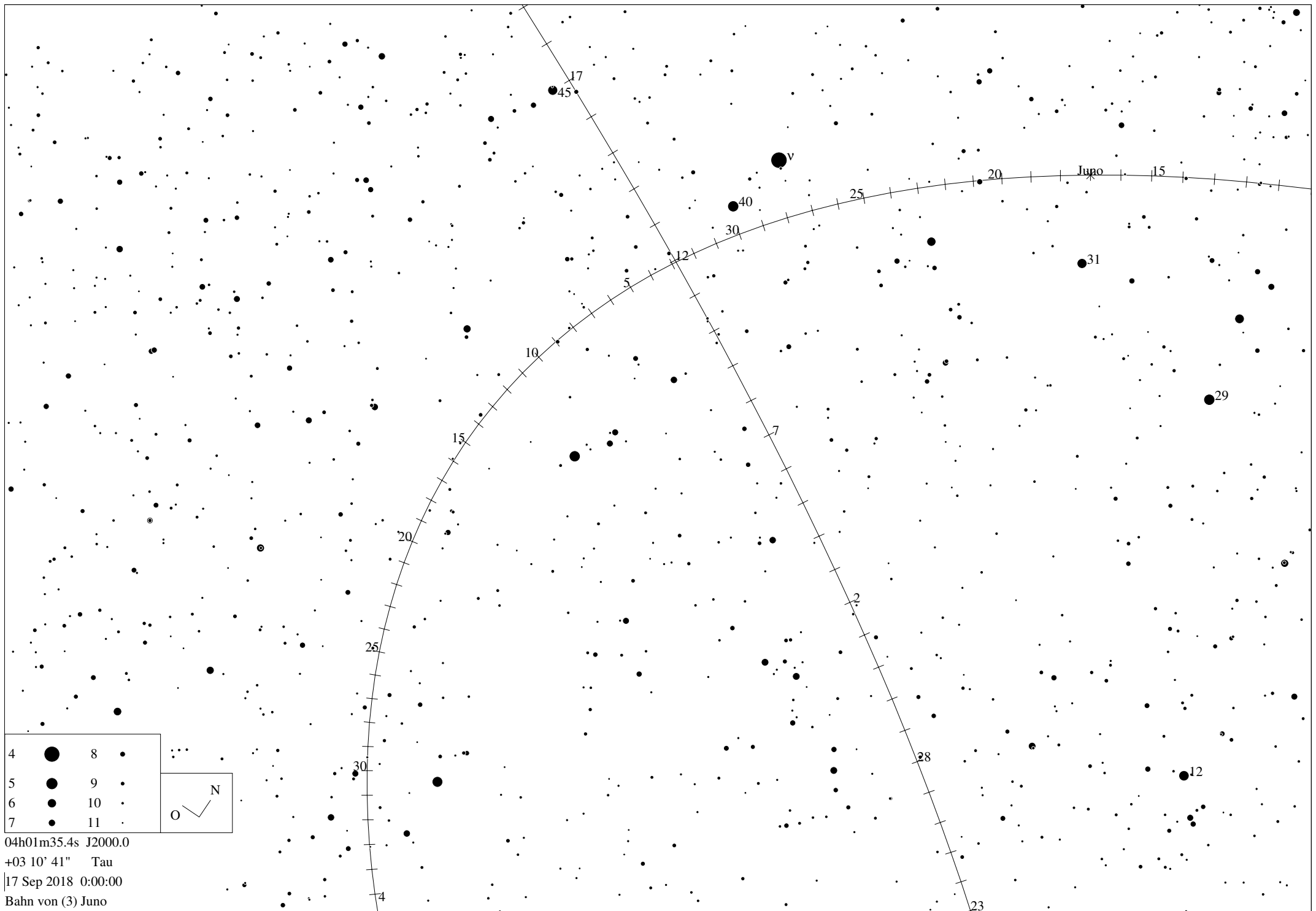
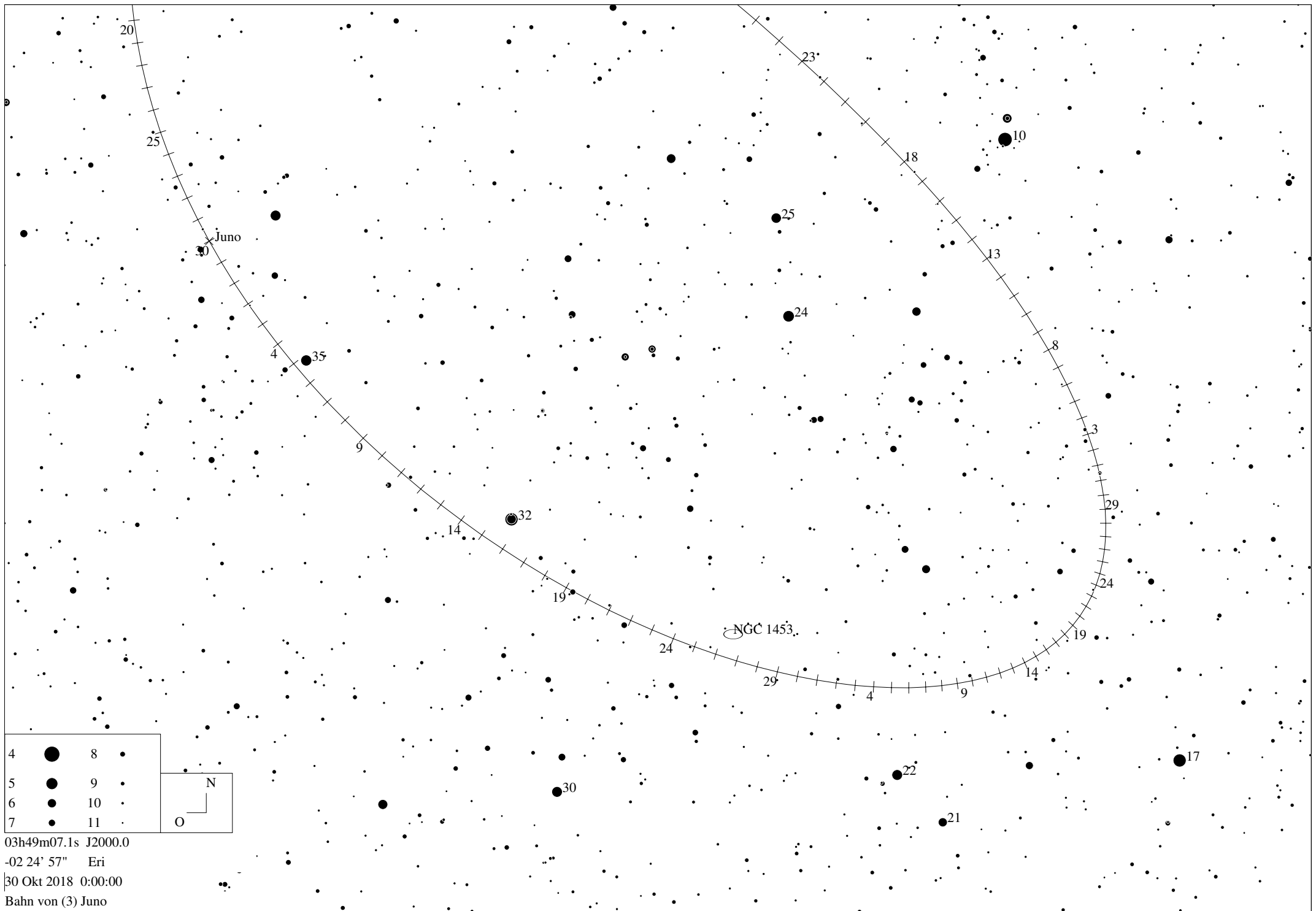
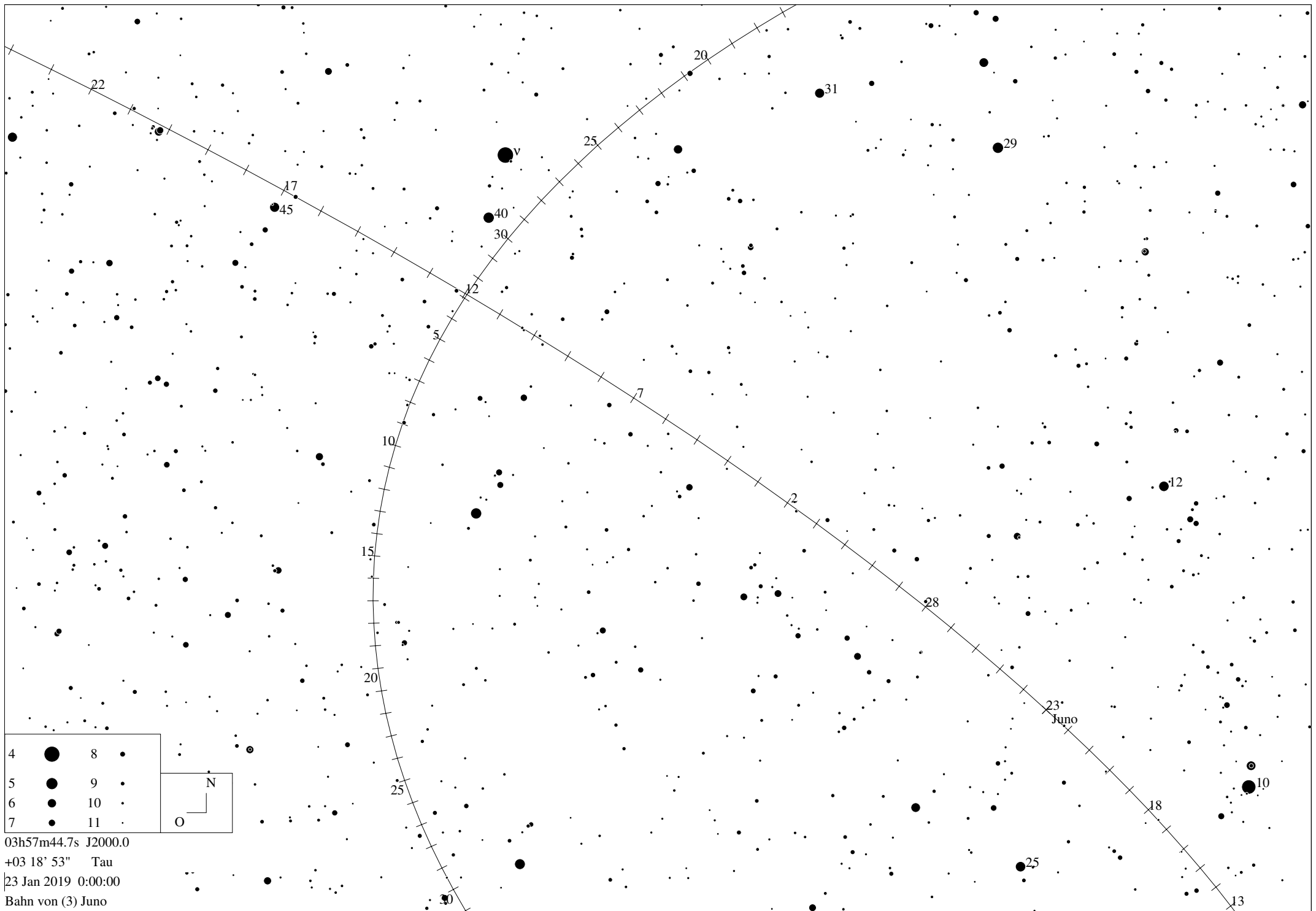


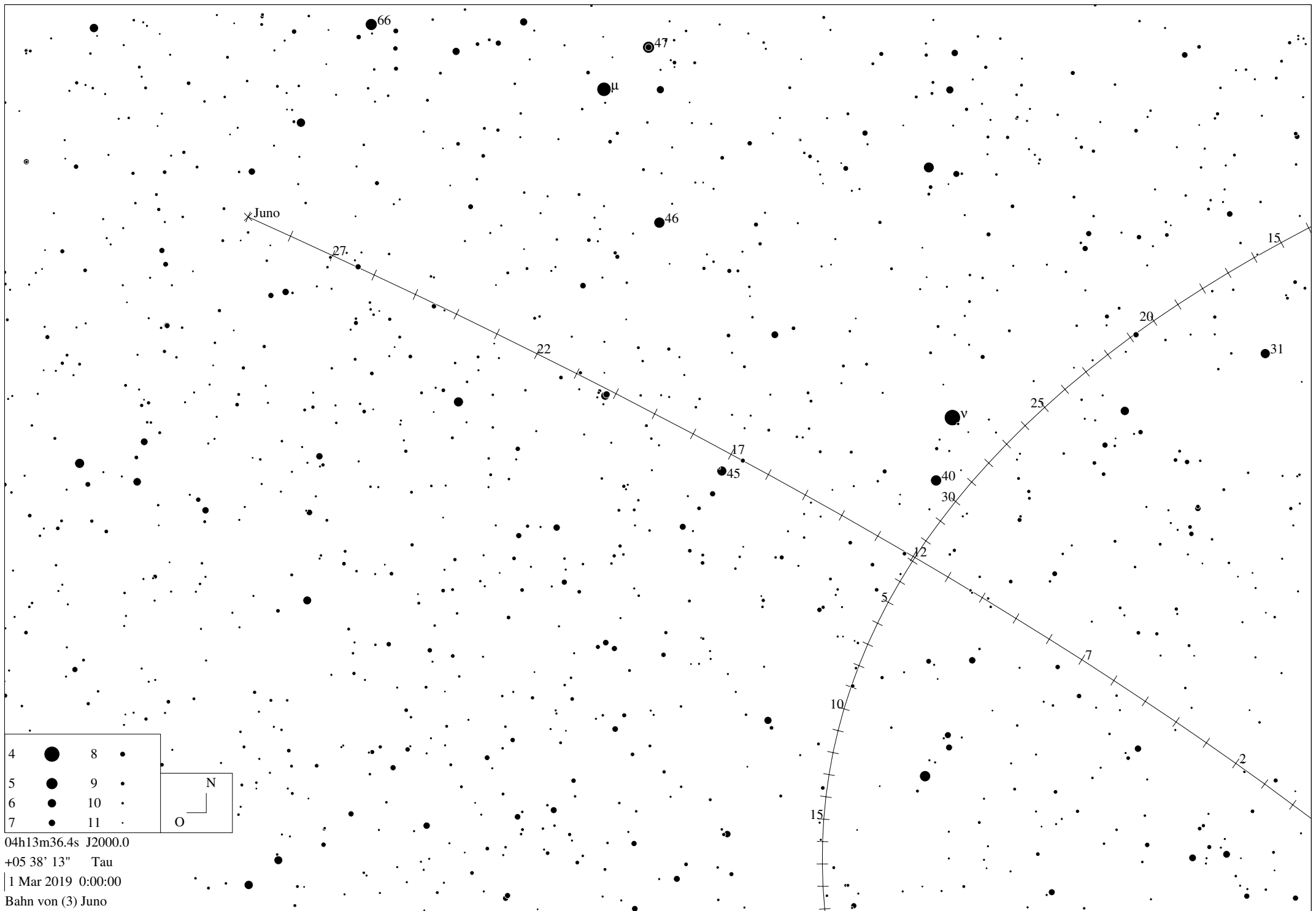
03h07m07.1s J2000.0
 +09 53' 50" Cet
 1 Aug 2018 0:00:00
 Bahn von (3) Juno











Ephemeride des Kleinplaneten (3) Juno

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
1 Aug 2018	02h48m44.35s	+10 04' 23.9"	2.1017	1.9187	9.4	85.7	28.8	14.75	92.33	61.61	88.4	Cet
2 Aug 2018	02h50m24.59s	+10 04' 57.6"	2.0998	1.9063	9.4	86.2	28.8	15.10	92.77	61.31	88.8	Cet
3 Aug 2018	02h52m04.37s	+10 05' 21.6"	2.0978	1.8940	9.4	86.8	28.9	15.46	93.22	61.00	89.1	Cet
4 Aug 2018	02h53m43.66s	+10 05' 35.6"	2.0959	1.8817	9.3	87.3	28.9	15.81	93.68	60.68	89.5	Cet
5 Aug 2018	02h55m22.44s	+10 05' 39.7"	2.0941	1.8694	9.3	87.9	29.0	16.17	94.14	60.35	89.9	Cet
6 Aug 2018	02h57m00.70s	+10 05' 33.8"	2.0922	1.8571	9.3	88.5	29.0	16.52	94.60	60.01	90.3	Cet
7 Aug 2018	02h58m38.41s	+10 05' 17.6"	2.0903	1.8448	9.3	89.0	29.0	16.87	95.07	59.66	90.7	Cet
8 Aug 2018	03h00m15.56s	+10 04' 51.2"	2.0885	1.8326	9.3	89.6	29.0	17.22	95.54	59.31	91.2	Cet
9 Aug 2018	03h01m52.12s	+10 04' 14.5"	2.0867	1.8204	9.3	90.2	29.1	17.57	96.02	58.95	91.6	Cet
10 Aug 2018	03h03m28.08s	+10 03' 27.3"	2.0848	1.8082	9.2	90.8	29.1	17.92	96.50	58.57	92.0	Cet
11 Aug 2018	03h05m03.41s	+10 02' 29.5"	2.0830	1.7961	9.2	91.3	29.1	18.27	96.99	58.19	92.5	Cet
12 Aug 2018	03h06m38.09s	+10 01' 21.1"	2.0812	1.7840	9.2	91.9	29.1	18.61	97.48	57.80	92.9	Cet
13 Aug 2018	03h08m12.11s	+10 00' 02.0"	2.0795	1.7719	9.2	92.5	29.1	18.96	97.98	57.41	93.4	Cet
14 Aug 2018	03h10m45.45s	+09 58' 32.1"	2.0777	1.7599	9.2	93.1	29.1	19.30	98.48	57.01	93.9	Cet
15 Aug 2018	03h11m18.08s	+09 56' 51.4"	2.0759	1.7478	9.2	93.7	29.1	19.65	99.00	56.60	94.4	Cet
16 Aug 2018	03h12m49.99s	+09 54' 59.8"	2.0742	1.7359	9.1	94.3	29.1	19.99	99.51	56.18	94.9	Cet
17 Aug 2018	03h14m21.17s	+09 52' 57.2"	2.0725	1.7239	9.1	94.9	29.1	20.33	100.03	55.76	95.4	Cet
18 Aug 2018	03h15m51.59s	+09 50' 43.6"	2.0708	1.7120	9.1	95.5	29.1	20.67	100.56	55.33	95.9	Cet
19 Aug 2018	03h17m21.23s	+09 48' 18.9"	2.0691	1.7002	9.1	96.1	29.1	21.01	101.10	54.90	96.4	Cet
20 Aug 2018	03h18m50.08s	+09 45' 43.1"	2.0674	1.6884	9.1	96.7	29.1	21.34	101.64	54.45	97.0	Cet
21 Aug 2018	03h20m18.12s	+09 42' 56.1"	2.0657	1.6766	9.1	97.3	29.1	21.68	102.19	54.01	97.5	Cet
22 Aug 2018	03h21m45.32s	+09 39' 57.9"	2.0641	1.6649	9.0	97.9	29.0	22.01	102.75	53.55	98.1	Cet
23 Aug 2018	03h23m11.66s	+09 36' 48.3"	2.0624	1.6532	9.0	98.6	29.0	22.35	103.31	53.09	98.7	Cet
24 Aug 2018	03h24m37.13s	+09 33' 27.5"	2.0608	1.6416	9.0	99.2	29.0	22.68	103.88	52.62	99.3	Tau
25 Aug 2018	03h26m01.70s	+09 29' 55.3"	2.0592	1.6300	9.0	99.8	28.9	23.01	104.46	52.14	99.9	Tau
26 Aug 2018	03h27m25.35s	+09 26' 11.6"	2.0576	1.6184	9.0	100.4	28.9	23.34	105.04	51.66	100.5	Tau
27 Aug 2018	03h28m48.05s	+09 22' 16.5"	2.0560	1.6070	8.9	101.1	28.8	23.67	105.64	51.17	101.2	Tau
28 Aug 2018	03h30m09.79s	+09 18' 09.8"	2.0544	1.5955	8.9	101.7	28.8	24.00	106.24	50.67	101.9	Tau
29 Aug 2018	03h31m30.52s	+09 13' 51.6"	2.0529	1.5841	8.9	102.4	28.7	24.32	106.85	50.16	102.5	Tau
30 Aug 2018	03h32m50.24s	+09 09' 21.7"	2.0514	1.5728	8.9	103.0	28.7	24.65	107.47	49.64	103.3	Tau
31 Aug 2018	03h34m08.91s	+09 04' 40.2"	2.0498	1.5616	8.9	103.7	28.6	24.97	108.09	49.12	104.0	Tau
1 Sep 2018	03h35m26.50s	+08 59' 47.1"	2.0483	1.5503	8.9	104.3	28.5	25.29	108.73	48.59	104.7	Tau
2 Sep 2018	03h36m42.99s	+08 54' 42.2"	2.0468	1.5392	8.8	105.0	28.4	25.61	109.37	48.05	105.5	Tau
3 Sep 2018	03h37m58.35s	+08 49' 25.5"	2.0454	1.5281	8.8	105.6	28.4	25.93	110.03	47.50	106.3	Tau
4 Sep 2018	03h39m12.55s	+08 43' 57.1"	2.0439	1.5171	8.8	106.3	28.3	26.25	110.69	46.94	107.1	Tau
5 Sep 2018	03h40m25.55s	+08 38' 16.8"	2.0425	1.5061	8.8	107.0	28.2	26.56	111.36	46.38	108.0	Tau
6 Sep 2018	03h41m37.33s	+08 32' 24.8"	2.0410	1.4952	8.8	107.6	28.1	26.88	112.05	45.81	108.9	Tau
7 Sep 2018	03h42m47.85s	+08 26' 20.9"	2.0396	1.4844	8.7	108.3	28.0	27.19	112.74	45.23	109.8	Tau
8 Sep 2018	03h43m57.10s	+08 20' 05.2"	2.0382	1.4736	8.7	109.0	27.9	27.50	113.44	44.65	110.7	Tau
9 Sep 2018	03h45m05.03s	+08 13' 37.7"	2.0369	1.4629	8.7	109.7	27.8	27.81	114.16	44.06	111.7	Tau
10 Sep 2018	03h46m11.63s	+08 06' 58.5"	2.0355	1.4523	8.7	110.4	27.6	28.11	114.88	43.47	112.7	Tau
11 Sep 2018	03h47m16.85s	+08 00' 07.6"	2.0341	1.4418	8.7	111.1	27.5	28.41	115.62	42.87	113.8	Tau
12 Sep 2018	03h48m20.69s	+07 53' 05.0"	2.0328	1.4313	8.6	111.8	27.4	28.72	116.37	42.28	114.8	Tau
13 Sep 2018	03h49m23.11s	+07 45' 50.8"	2.0315	1.4210	8.6	112.5	27.2	29.01	117.13	41.68	116.0	Tau
14 Sep 2018	03h50m24.09s	+07 38' 25.1"	2.0302	1.4107	8.6	113.2	27.1	29.31	117.90	41.09	117.1	Tau
15 Sep 2018	03h51m23.61s	+07 30' 48.0"	2.0289	1.4005	8.6	113.9	26.9	29.60	118.68	40.50	118.3	Tau
16 Sep 2018	03h52m21.63s	+07 22' 59.5"	2.0276	1.3904	8.6	114.7	26.8	29.90	119.48	39.91	119.5	Tau
17 Sep 2018	03h53m18.14s	+07 14' 59.8"	2.0264	1.3803	8.5	115.4	26.6	30.18	120.28	39.32	120.8	Tau
18 Sep 2018	03h54m13.11s	+07 06' 48.9"	2.0252	1.3704	8.5	116.1	26.5	30.47	121.10	38.74	122.1	Tau
19 Sep 2018	03h55m06.51s	+06 58' 27.0"	2.0239	1.3606	8.5	116.9	26.3	30.75	121.94	38.16	123.5	Tau
20 Sep 2018	03h55m58.33s	+06 49' 54.2"	2.0227	1.3508	8.5	117.6	26.1	31.03	122.78	37.59	124.9	Tau
21 Sep 2018	03h56m48.53s	+06 41' 10.6"	2.0216	1.3412	8.4	118.4	25.9	31.31	123.64	37.03	126.4	Tau
22 Sep 2018	03h57m37.08s	+06 32' 16.3"	2.0204	1.3316	8.4	119.1	25.7	31.58	124.51	36.47	127.9	Tau
23 Sep 2018	03h58m23.98s	+06 23' 11.6"	2.0192	1.3222	8.4	119.9	25.5	31.85	125.40	35.93	129.5	Tau
24 Sep 2018	03h59m09.18s	+06 13' 56.5"	2.0181	1.3129	8.4	120.6	25.3	32.11	126.30	35.39	131.1	Tau
25 Sep 2018	03h59m52.66s	+06 04' 31.2"	2.0170	1.3036	8.4	121.4	25.1	32.38	127.21	34.87	132.8	Tau
26 Sep 2018	04h00m34.39s	+05 54' 55.9"	2.0159	1.2945	8.3	122.2	24.9	32.63	128.14	34.36	134.6	Tau
27 Sep 2018	04h01m14.36s	+05 45' 10.9"	2.0148	1.2855	8.3	123.0	24.7	32.89	129.08	33.87	136.4	Tau
28 Sep 2018	04h01m52.53s	+05 35' 16.1"	2.0138	1.2766	8.3	123.7	24.4	33.13	130.03	33.39	138.3	Tau
29 Sep 2018	04h02m28.88s	+05 25' 12.0"	2.0127	1.2678	8.3	124.5	24.2	33.38	131.01	32.94	140.2	Tau
30 Sep 2018	04h03m03.38s	+05 14' 58.8"	2.0117	1.2592	8.3	125.3	24.0	33.61	131.99	32.50	142.2	Tau
1 Okt 2018	04h03m36.00s	+05 04' 36.5"	2.0107	1.2507	8.2	126.1	23.7	33.85	132.99	32.09	144.3	Tau
2 Okt 2018	04h04m06.72s	+04 54' 05.7"	2.0097	1.2422	8.2	126.9	23.5	34.07	134.01	31.70	146.5	Tau
3 Okt 2018	04h04m35.52s	+04 43' 26.4"	2.0087	1.2339	8.2	127.7	23.2	34.29	135.04	31.34	148.7	Tau
4 Okt 2018	04h05m02.37s	+04 32' 39.0"	2.0077	1.2258	8.2	128.5	22.9	34.51	136.08	31.01	150.9	Tau
5 Okt 2018	04h05m27.25s	+04 21' 44.0"	2.0068	1.2178	8.1	129.3	22.7	34.72	137.15	30.71	153.2	Tau
6 Okt 2018	04h05m50.15s	+04 10' 41.5"	2.0059	1.2099	8.1	130.1	22.4	34.92	138.22	30.44	155.6	Tau
7 Okt 2018	04h06m11.04s	+03 59' 32.0"	2.0050	1.2021	8.1	131.0	22.1	35.11	139.31	30.20	158.0	Tau
8 Okt 2018	04h06m29.91s	+03 48' 15.9"	2.0041	1.1945	8.1	131.8	21.8	35.30	140.42	30.00	160.5	Tau
9 Okt 2018	04h06m46.76s	+03 36' 53.6"	2.0032	1.1870	8.1	132.6	21.5	35.48	141.55	29.84	163.0	Tau
10 Okt 2018	04h07m01.57s	+03 25' 25.7"	2.0024	1.1797	8.0	133.4	21.2	35.66	142.68	29.71	165.5	Tau
11 Okt 2018	04h07m14.34s	+03 13' 52.4"	2.0015	1.1726	8.0	134.3	20.9	35.82	143.84	29.62	168.0	Tau
12 Okt 2018	04h07m25.07s	+03 02' 14.5"	2.0007	1.1655	8.0	135.1	20.6	35.98	145.01	29.56	170.5	Tau
13 Okt 2018	04h07m33.76s	+02 50' 32.3"	1.9999	1.1587	8.0	135.9	20.3	36.13	146.19	29.54	173.0	Tau

Ephemeride des Kleinplaneten (3) Juno

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
14 Okt 2018	04h07m40.40s	+02 38' 46.4"	1.9991	1.1520	7.9	136.8	20.0	36.27	147.39	29.56	175.5	Tau
15 Okt 2018	04h07m45.00s	+02 26' 57.3"	1.9984	1.1454	7.9	137.6	19.7	36.40	148.60	29.61	178.0	Tau
16 Okt 2018	04h07m47.57s	+02 15' 05.6"	1.9976	1.1391	7.9	138.4	19.3	36.52	149.83	29.69	180.5	Tau
17 Okt 2018	04h07m48.12s	+02 03' 12.0"	1.9969	1.1329	7.9	139.2	19.0	36.63	151.07	29.80	182.9	Tau
18 Okt 2018	04h07m46.65s	+01 51' 16.8"	1.9962	1.1268	7.9	140.1	18.7	36.73	152.32	29.94	185.4	Tau
19 Okt 2018	04h07m43.17s	+01 39' 20.9"	1.9955	1.1210	7.8	140.9	18.4	36.82	153.59	30.11	187.7	Tau
20 Okt 2018	04h07m37.69s	+01 27' 24.7"	1.9949	1.1153	7.8	141.7	18.0	36.89	154.87	30.30	190.1	Tau
21 Okt 2018	04h07m30.24s	+01 15' 28.9"	1.9942	1.1098	7.8	142.5	17.7	36.96	156.17	30.51	192.4	Tau
22 Okt 2018	04h07m20.83s	+01 03' 34.3"	1.9936	1.1045	7.8	143.3	17.3	37.02	157.47	30.74	194.7	Tau
23 Okt 2018	04h07m09.49s	+00 51' 41.3"	1.9930	1.0993	7.8	144.1	17.0	37.06	158.79	30.99	196.9	Tau
24 Okt 2018	04h06m56.22s	+00 39' 50.8"	1.9924	1.0943	7.7	144.9	16.7	37.10	160.11	31.25	199.0	Tau
25 Okt 2018	04h06m41.06s	+00 28' 03.4"	1.9918	1.0896	7.7	145.7	16.3	37.12	161.45	31.52	201.2	Tau
26 Okt 2018	04h06m24.02s	+00 16' 19.7"	1.9912	1.0850	7.7	146.5	16.0	37.12	162.80	31.81	203.2	Eri
27 Okt 2018	04h06m05.15s	+00 04' 40.6"	1.9907	1.0806	7.7	147.3	15.7	37.12	164.16	32.09	205.3	Eri
28 Okt 2018	04h05m44.47s	-00 06' 53.2"	1.9902	1.0764	7.7	148.0	15.3	37.10	165.52	32.38	207.2	Eri
29 Okt 2018	04h05m22.02s	-00 18' 21.2"	1.9897	1.0724	7.6	148.8	15.0	37.07	166.90	32.67	209.2	Eri
30 Okt 2018	04h04m57.82s	-00 29' 42.4"	1.9892	1.0685	7.6	149.5	14.7	37.03	168.28	32.96	211.1	Eri
31 Okt 2018	04h04m31.93s	-00 40' 56.2"	1.9887	1.0649	7.6	150.2	14.4	36.97	169.67	33.24	212.9	Eri
1 Nov 2018	04h04m04.39s	-00 52' 01.7"	1.9883	1.0615	7.6	150.9	14.1	36.90	171.06	33.50	214.7	Eri
2 Nov 2018	04h03m35.24s	-01 02' 58.2"	1.9879	1.0583	7.6	151.5	13.8	36.82	172.46	33.76	216.5	Eri
3 Nov 2018	04h03m04.54s	-01 13' 44.9"	1.9875	1.0553	7.6	152.2	13.5	36.72	173.86	33.99	218.2	Eri
4 Nov 2018	04h02m32.35s	-01 24' 20.9"	1.9871	1.0525	7.5	152.8	13.2	36.61	175.27	34.21	219.9	Eri
5 Nov 2018	04h01m58.74s	-01 34' 45.4"	1.9867	1.0500	7.5	153.4	12.9	36.49	176.68	34.40	221.5	Eri
6 Nov 2018	04h01m23.77s	-01 44' 57.7"	1.9864	1.0476	7.5	153.9	12.7	36.35	178.09	34.56	223.1	Eri
7 Nov 2018	04h00m47.51s	-01 54' 57.0"	1.9860	1.0454	7.5	154.4	12.5	36.20	179.50	34.70	224.7	Eri
8 Nov 2018	04h00m10.03s	-02 04' 42.4"	1.9857	1.0435	7.5	154.9	12.2	36.03	180.91	34.80	226.2	Eri
9 Nov 2018	03h59m31.42s	-02 14' 13.3"	1.9854	1.0418	7.5	155.3	12.0	35.85	182.32	34.87	227.7	Eri
10 Nov 2018	03h58m51.76s	-02 23' 28.8"	1.9852	1.0403	7.5	155.7	11.9	35.66	183.73	34.90	229.2	Eri
11 Nov 2018	03h58m11.13s	-02 32' 28.3"	1.9849	1.0390	7.5	156.0	11.7	35.46	185.14	34.90	230.7	Eri
12 Nov 2018	03h57m29.61s	-02 41' 11.1"	1.9847	1.0379	7.5	156.3	11.6	35.24	186.55	34.86	232.1	Eri
13 Nov 2018	03h56m47.28s	-02 49' 36.5"	1.9845	1.0371	7.5	156.5	11.5	35.01	187.95	34.78	233.6	Eri
14 Nov 2018	03h56m04.25s	-02 57' 43.9"	1.9843	1.0365	7.5	156.7	11.4	34.77	189.35	34.67	235.0	Eri
15 Nov 2018	03h55m20.59s	-03 05' 32.6"	1.9841	1.0361	7.5	156.8	11.3	34.51	190.74	34.51	236.4	Eri
16 Nov 2018	03h54m36.40s	-03 13' 02.2"	1.9839	1.0359	7.4	156.9	11.3	34.25	192.12	34.32	237.8	Eri
17 Nov 2018	03h53m51.76s	-03 20' 12.0"	1.9838	1.0359	7.4	156.9	11.3	33.97	193.50	34.08	239.2	Eri
18 Nov 2018	03h53m06.76s	-03 27' 01.7"	1.9837	1.0362	7.4	156.9	11.3	33.68	194.88	33.81	240.6	Eri
19 Nov 2018	03h52m21.49s	-03 33' 30.6"	1.9836	1.0367	7.5	156.8	11.3	33.38	196.24	33.50	242.0	Eri
20 Nov 2018	03h51m36.05s	-03 39' 38.5"	1.9835	1.0374	7.5	156.6	11.4	33.07	197.60	33.15	243.4	Eri
21 Nov 2018	03h50m50.52s	-03 45' 24.8"	1.9835	1.0383	7.5	156.4	11.5	32.75	198.95	32.77	244.8	Eri
22 Nov 2018	03h50m04.98s	-03 50' 49.3"	1.9834	1.0394	7.5	156.1	11.6	32.41	200.29	32.35	246.3	Eri
23 Nov 2018	03h49m19.53s	-03 55' 51.7"	1.9834	1.0408	7.5	155.8	11.8	32.07	201.62	31.90	247.8	Eri
24 Nov 2018	03h48m34.24s	-04 00' 31.6"	1.9834	1.0423	7.5	155.5	11.9	31.72	202.94	31.41	249.2	Eri
25 Nov 2018	03h47m49.21s	-04 04' 48.9"	1.9834	1.0441	7.5	155.1	12.1	31.37	204.25	30.90	250.8	Eri
26 Nov 2018	03h47m04.52s	-04 08' 43.3"	1.9835	1.0461	7.5	154.6	12.3	31.00	205.55	30.35	252.3	Eri
27 Nov 2018	03h46m20.25s	-04 12' 14.6"	1.9835	1.0483	7.5	154.1	12.5	30.62	206.84	29.78	253.9	Eri
28 Nov 2018	03h45m36.47s	-04 15' 22.8"	1.9836	1.0507	7.5	153.6	12.8	30.24	208.12	29.17	255.5	Eri
29 Nov 2018	03h44m53.29s	-04 18' 07.5"	1.9837	1.0533	7.5	153.0	13.0	29.85	209.38	28.54	257.2	Eri
30 Nov 2018	03h44m10.77s	-04 20' 28.9"	1.9838	1.0562	7.6	152.4	13.3	29.46	210.64	27.89	259.0	Eri
1 Dez 2018	03h43m29.00s	-04 22' 26.7"	1.9839	1.0592	7.6	151.8	13.6	29.06	211.88	27.21	260.8	Eri
2 Dez 2018	03h42m48.06s	-04 24' 01.0"	1.9841	1.0624	7.6	151.2	13.9	28.65	213.11	26.52	262.7	Eri
3 Dez 2018	03h42m08.02s	-04 25' 11.8"	1.9843	1.0659	7.6	150.5	14.2	28.24	214.33	25.80	264.7	Eri
4 Dez 2018	03h41m28.98s	-04 25' 59.1"	1.9845	1.0695	7.6	149.8	14.5	27.82	215.54	25.07	266.8	Eri
5 Dez 2018	03h40m51.01s	-04 26' 23.0"	1.9847	1.0734	7.6	149.1	14.8	27.40	216.74	24.32	269.0	Eri
6 Dez 2018	03h40m14.17s	-04 26' 23.6"	1.9849	1.0774	7.6	148.4	15.1	26.97	217.92	23.57	271.3	Eri
7 Dez 2018	03h39m38.54s	-04 26' 01.2"	1.9852	1.0817	7.7	147.6	15.4	26.54	219.09	22.82	273.8	Eri
8 Dez 2018	03h39m04.19s	-04 25' 15.8"	1.9854	1.0861	7.7	146.8	15.7	26.11	220.25	22.07	276.4	Eri
9 Dez 2018	03h38m31.18s	-04 24' 07.8"	1.9857	1.0908	7.7	146.1	16.1	25.67	221.40	21.32	279.1	Eri
10 Dez 2018	03h37m59.58s	-04 22' 37.4"	1.9860	1.0956	7.7	145.3	16.4	25.24	222.53	20.60	282.1	Eri
11 Dez 2018	03h37m29.43s	-04 20' 44.9"	1.9863	1.1006	7.7	144.5	16.7	24.80	223.66	19.89	285.3	Eri
12 Dez 2018	03h37m00.79s	-04 18' 30.6"	1.9867	1.1058	7.8	143.7	17.1	24.35	224.77	19.22	288.6	Eri
13 Dez 2018	03h36m33.72s	-04 15' 54.8"	1.9871	1.1111	7.8	142.9	17.4	23.91	225.87	18.58	292.2	Eri
14 Dez 2018	03h36m08.25s	-04 12' 58.1"	1.9874	1.1167	7.8	142.1	17.7	23.47	226.95	17.99	296.0	Eri
15 Dez 2018	03h35m44.42s	-04 09' 40.6"	1.9878	1.1224	7.8	141.2	18.1	23.03	228.03	17.45	300.0	Eri
16 Dez 2018	03h35m22.29s	-04 06' 03.0"	1.9883	1.1283	7.8	140.4	18.4	22.58	229.09	16.98	304.3	Eri
17 Dez 2018	03h35m01.86s	-04 02' 05.5"	1.9887	1.1343	7.9	139.6	18.7	22.14	230.14	16.58	308.8	Eri
18 Dez 2018	03h34m43.19s	-03 57' 48.7"	1.9892	1.1405	7.9	138.8	19.0	21.69	231.19	16.26	313.5	Eri
19 Dez 2018	03h34m26.29s	-03 53' 13.0"	1.9896	1.1469	7.9	137.9	19.4	21.25	232.22	16.02	318.3	Eri
20 Dez 2018	03h34m11.19s	-03 48' 18.9"	1.9901	1.1534	7.9	137.1	19.7	20.80	233.23	15.88	323.2	Eri
21 Dez 2018	03h33m57.90s	-03 43' 06.9"	1.9907	1.1601	7.9	136.3	20.0	20.36	234.24	15.83	328.1	Eri
22 Dez 2018	03h33m46.45s	-03 37' 37.4"	1.9912	1.1670	8.0	135.4	20.3	19.92	235.24	15.88	333.1	Eri
23 Dez 2018	03h33m36.84s	-03 31' 50.9"	1.9918	1.1740	8.0	134.6	20.6	19.48	236.23	16.03	338.0	Eri
24 Dez 2018	03h33m29.08s	-03 25' 48.0"	1.9923	1.1811	8.0	133.8	20.9	19.04	237.20	16.27	342.7	Eri
25 Dez 2018	03h33m23.20s	-03 19' 29.0"	1.9929	1.1884	8.0	132.9	21.2	18.61	238.17	16.59	347.3	Eri
26 Dez 2018	03h33m19.18s	-03 12' 54.6"	1.9935	1.1958	8.1	132.1	21.5	18.17	239.13	17.00	351.7	Eri

Ephemeride des Kleinplaneten (3) Juno

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
27 Dez 2018	03h33m17.05s	-03 06' 05.0"	1.9942	1.2034	8.1	131.3	21.8	17.74	240.08	17.48	355.9	Eri
28 Dez 2018	03h33m16.81s	-02 59' 00.9"	1.9948	1.2111	8.1	130.4	22.0	17.31	241.01	18.04	359.9	Eri
29 Dez 2018	03h33m18.47s	-02 51' 42.6"	1.9955	1.2190	8.1	129.6	22.3	16.88	241.94	18.65	3.6	Eri
30 Dez 2018	03h33m22.02s	-02 44' 10.7"	1.9962	1.2269	8.1	128.8	22.6	16.46	242.86	19.32	7.1	Eri
31 Dez 2018	03h33m27.48s	-02 36' 25.5"	1.9969	1.2351	8.2	128.0	22.8	16.03	243.77	20.03	10.3	Eri
1 Jan 2019	03h33m34.85s	-02 28' 27.5"	1.9976	1.2433	8.2	127.2	23.1	15.61	244.67	20.79	13.3	Eri
2 Jan 2019	03h33m44.12s	-02 20' 17.3"	1.9983	1.2517	8.2	126.4	23.3	15.20	245.56	21.58	16.2	Eri
3 Jan 2019	03h33m55.30s	-02 11' 55.2"	1.9991	1.2601	8.2	125.6	23.6	14.78	246.45	22.40	18.8	Eri
4 Jan 2019	03h34m08.38s	-02 03' 21.7"	1.9999	1.2687	8.3	124.8	23.8	14.37	247.32	23.25	21.2	Eri
5 Jan 2019	03h34m23.36s	-01 54' 37.3"	2.0007	1.2775	8.3	124.0	24.1	13.97	248.19	24.12	23.5	Eri
6 Jan 2019	03h34m40.23s	-01 45' 42.5"	2.0015	1.2863	8.3	123.2	24.3	13.56	249.05	25.00	25.7	Eri
7 Jan 2019	03h34m58.98s	-01 36' 37.8"	2.0023	1.2953	8.3	122.4	24.5	13.16	249.90	25.90	27.7	Eri
8 Jan 2019	03h35m19.61s	-01 27' 23.4"	2.0032	1.3043	8.3	121.6	24.7	12.77	250.74	26.80	29.5	Eri
9 Jan 2019	03h35m42.09s	-01 18' 00.0"	2.0040	1.3135	8.4	120.8	24.9	12.37	251.58	27.71	31.3	Tau
10 Jan 2019	03h36m06.42s	-01 08' 28.0"	2.0049	1.3228	8.4	120.1	25.1	11.98	252.40	28.62	32.9	Tau
11 Jan 2019	03h36m32.58s	-00 58' 47.8"	2.0058	1.3321	8.4	119.3	25.3	11.60	253.22	29.54	34.4	Tau
12 Jan 2019	03h37m00.55s	-00 48' 59.9"	2.0067	1.3416	8.4	118.5	25.5	11.21	254.04	30.45	35.9	Tau
13 Jan 2019	03h37m30.32s	-00 39' 04.7"	2.0077	1.3512	8.4	117.8	25.7	10.84	254.84	31.36	37.3	Tau
14 Jan 2019	03h38m01.86s	-00 29' 02.5"	2.0086	1.3608	8.5	117.0	25.9	10.46	255.64	32.27	38.5	Tau
15 Jan 2019	03h38m35.17s	-00 18' 53.9"	2.0096	1.3706	8.5	116.3	26.0	10.09	256.43	33.17	39.8	Tau
16 Jan 2019	03h39m10.21s	-00 08' 39.2"	2.0106	1.3804	8.5	115.5	26.2	9.72	257.22	34.06	40.9	Tau
17 Jan 2019	03h39m46.98s	+00 01' 40.2"	2.0116	1.3903	8.5	114.8	26.4	9.36	258.00	34.95	42.0	Tau
18 Jan 2019	03h40m25.42s	+00 12' 05.9"	2.0126	1.4003	8.5	114.0	26.5	9.00	258.77	35.82	43.1	Tau
19 Jan 2019	03h41m05.53s	+00 22' 36.4"	2.0137	1.4104	8.6	113.3	26.7	8.64	259.54	36.68	44.0	Tau
20 Jan 2019	03h41m47.29s	+00 33' 11.5"	2.0147	1.4206	8.6	112.6	26.8	8.29	260.30	37.53	45.0	Tau
21 Jan 2019	03h42m30.67s	+00 43' 50.8"	2.0158	1.4308	8.6	111.8	26.9	7.94	261.05	38.37	45.9	Tau
22 Jan 2019	03h43m15.64s	+00 54' 33.9"	2.0169	1.4412	8.6	111.1	27.1	7.60	261.80	39.20	46.8	Tau
23 Jan 2019	03h44m02.18s	+01 05' 20.5"	2.0180	1.4516	8.6	110.4	27.2	7.25	262.54	40.02	47.6	Tau
24 Jan 2019	03h44m50.28s	+01 16' 10.3"	2.0191	1.4620	8.7	109.7	27.3	6.92	263.28	40.83	48.4	Tau
25 Jan 2019	03h45m39.91s	+01 27' 03.0"	2.0203	1.4726	8.7	109.0	27.4	6.58	264.01	41.63	49.1	Tau
26 Jan 2019	03h46m31.06s	+01 37' 58.3"	2.0215	1.4832	8.7	108.3	27.5	6.25	264.73	42.41	49.9	Tau
27 Jan 2019	03h47m23.70s	+01 48' 56.0"	2.0226	1.4939	8.7	107.6	27.6	5.93	265.45	43.19	50.6	Tau
28 Jan 2019	03h48m17.82s	+01 59' 55.6"	2.0238	1.5046	8.7	106.9	27.7	5.60	266.17	43.96	51.3	Tau
29 Jan 2019	03h49m13.40s	+02 10' 57.0"	2.0251	1.5155	8.8	106.2	27.8	5.28	266.88	44.71	52.0	Tau
30 Jan 2019	03h50m10.42s	+02 21' 59.9"	2.0263	1.5263	8.8	105.5	27.9	4.97	267.58	45.46	52.6	Tau
31 Jan 2019	03h51m08.86s	+02 33' 04.0"	2.0275	1.5373	8.8	104.9	28.0	4.66	268.28	46.19	53.2	Tau
1 Feb 2019	03h52m08.71s	+02 44' 09.1"	2.0288	1.5483	8.8	104.2	28.1	4.35	268.98	46.92	53.8	Tau
2 Feb 2019	03h53m09.95s	+02 55' 14.8"	2.0301	1.5594	8.8	103.5	28.2	4.04	269.66	47.63	54.4	Tau
3 Feb 2019	03h54m12.54s	+03 06' 20.9"	2.0314	1.5705	8.9	102.9	28.2	3.74	270.35	48.33	55.0	Tau
4 Feb 2019	03h55m16.49s	+03 17' 27.3"	2.0327	1.5817	8.9	102.2	28.3	3.44	271.03	49.01	55.6	Tau
5 Feb 2019	03h56m21.76s	+03 28' 33.5"	2.0340	1.5929	8.9	101.5	28.4	3.15	271.70	49.69	56.1	Tau
6 Feb 2019	03h57m28.34s	+03 39' 39.4"	2.0354	1.6042	8.9	100.9	28.4	2.86	272.38	50.35	56.7	Tau
7 Feb 2019	03h58m36.20s	+03 50' 44.7"	2.0368	1.6155	8.9	100.2	28.5	2.57	273.04	51.00	57.2	Tau
8 Feb 2019	03h59m45.33s	+04 01' 49.2"	2.0381	1.6269	8.9	99.6	28.5	2.29	273.70	51.64	57.7	Tau
9 Feb 2019	04h00m55.70s	+04 12' 52.7"	2.0395	1.6383	9.0	98.9	28.5	2.00	274.36	52.26	58.2	Tau
10 Feb 2019	04h02m07.30s	+04 23' 54.8"	2.0409	1.6498	9.0	98.3	28.6	1.73	275.01	52.87	58.7	Tau
11 Feb 2019	04h03m20.09s	+04 34' 55.5"	2.0424	1.6613	9.0	97.7	28.6	1.45	275.66	53.47	59.1	Tau
12 Feb 2019	04h04m34.07s	+04 45' 54.5"	2.0438	1.6728	9.0	97.0	28.6	1.18	276.31	54.05	59.6	Tau
13 Feb 2019	04h05m49.20s	+04 56' 51.5"	2.0453	1.6844	9.0	96.4	28.7	0.91	276.95	54.62	60.1	Tau
14 Feb 2019	04h07m05.48s	+05 07' 46.4"	2.0467	1.6961	9.1	95.8	28.7	0.65	277.58	55.18	60.5	Tau
15 Feb 2019	04h08m22.86s	+05 18' 39.0"	2.0482	1.7077	9.1	95.2	28.7	0.39	278.21	55.72	60.9	Tau
16 Feb 2019	04h09m41.34s	+05 29' 29.0"	2.0497	1.7194	9.1	94.5	28.7	0.13	278.84	56.25	61.4	Tau
17 Feb 2019	04h11m00.89s	+05 40' 16.3"	2.0513	1.7312	9.1	93.9	28.7	-0.13	279.47	56.77	61.8	Tau
18 Feb 2019	04h12m21.49s	+05 51' 00.7"	2.0528	1.7429	9.1	93.3	28.7	-0.38	280.09	57.28	62.2	Tau
19 Feb 2019	04h13m43.13s	+06 01' 42.1"	2.0543	1.7547	9.1	92.7	28.7	-0.63	280.70	57.77	62.6	Tau
20 Feb 2019	04h15m05.77s	+06 12' 20.2"	2.0559	1.7666	9.2	92.1	28.7	-0.88	281.32	58.25	63.0	Tau
21 Feb 2019	04h16m29.40s	+06 22' 54.9"	2.0575	1.7784	9.2	91.5	28.7	-1.13	281.93	58.72	63.4	Tau
22 Feb 2019	04h17m54.01s	+06 33' 26.1"	2.0591	1.7903	9.2	90.9	28.7	-1.37	282.53	59.18	63.8	Tau
23 Feb 2019	04h19m19.59s	+06 43' 53.6"	2.0607	1.8022	9.2	90.3	28.7	-1.61	283.14	59.63	64.2	Tau
24 Feb 2019	04h20m46.11s	+06 54' 17.2"	2.0623	1.8142	9.2	89.7	28.7	-1.84	283.73	60.07	64.6	Tau
25 Feb 2019	04h22m13.56s	+07 04' 37.0"	2.0640	1.8262	9.2	89.1	28.7	-2.08	284.33	60.51	64.9	Tau
26 Feb 2019	04h23m41.93s	+07 14' 52.7"	2.0656	1.8382	9.2	88.5	28.6	-2.31	284.92	60.93	65.3	Tau
27 Feb 2019	04h25m11.20s	+07 25' 04.1"	2.0673	1.8502	9.3	88.0	28.6	-2.54	285.51	61.35	65.7	Tau
28 Feb 2019	04h26m41.36s	+07 35' 11.2"	2.0690	1.8622	9.3	87.4	28.6	-2.77	286.10	61.76	66.0	Tau
1 Mar 2019	04h28m12.40s	+07 45' 13.8"	2.0706	1.8743	9.3	86.8	28.5	-2.99	286.68	62.16	66.4	Tau