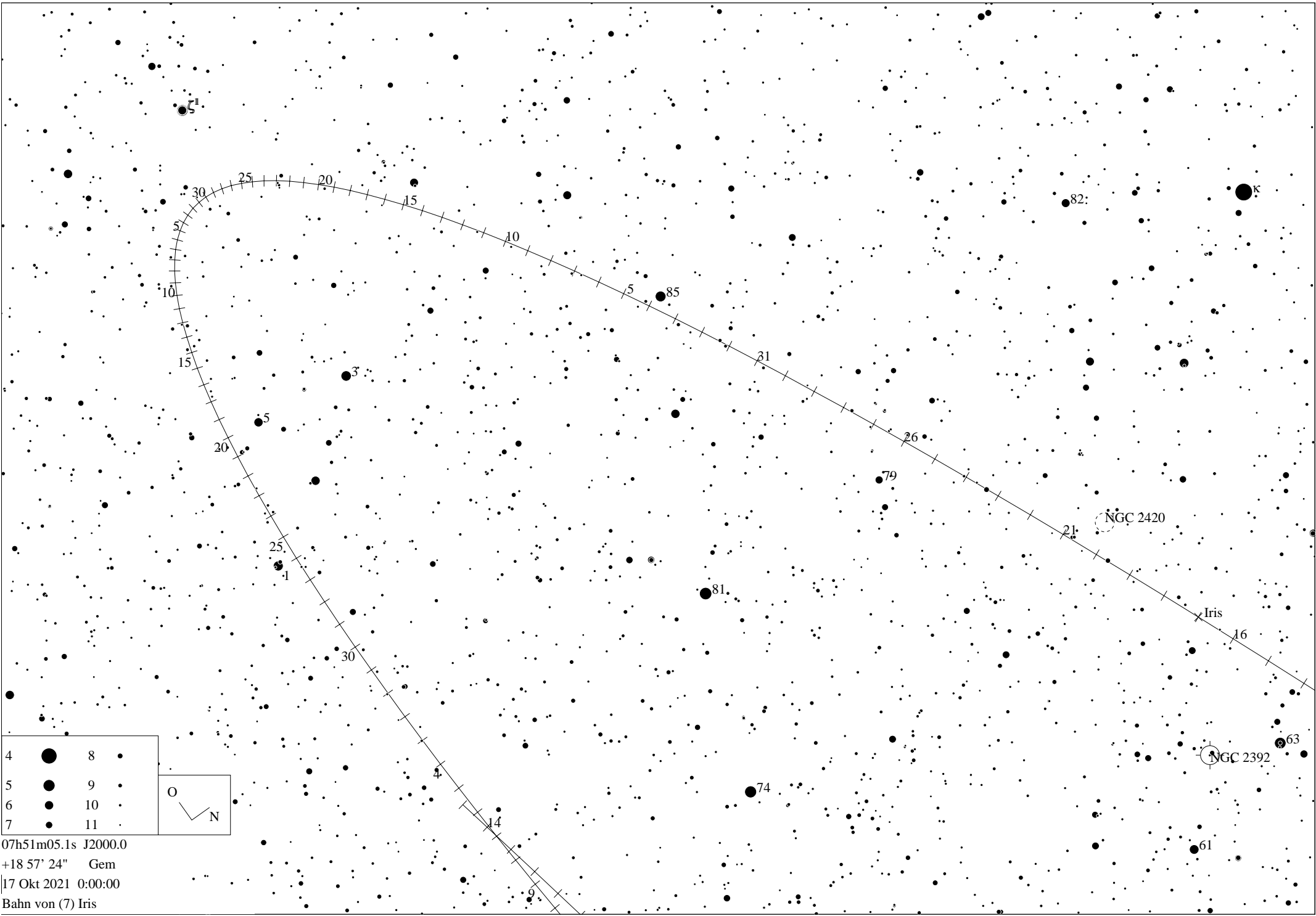
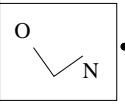


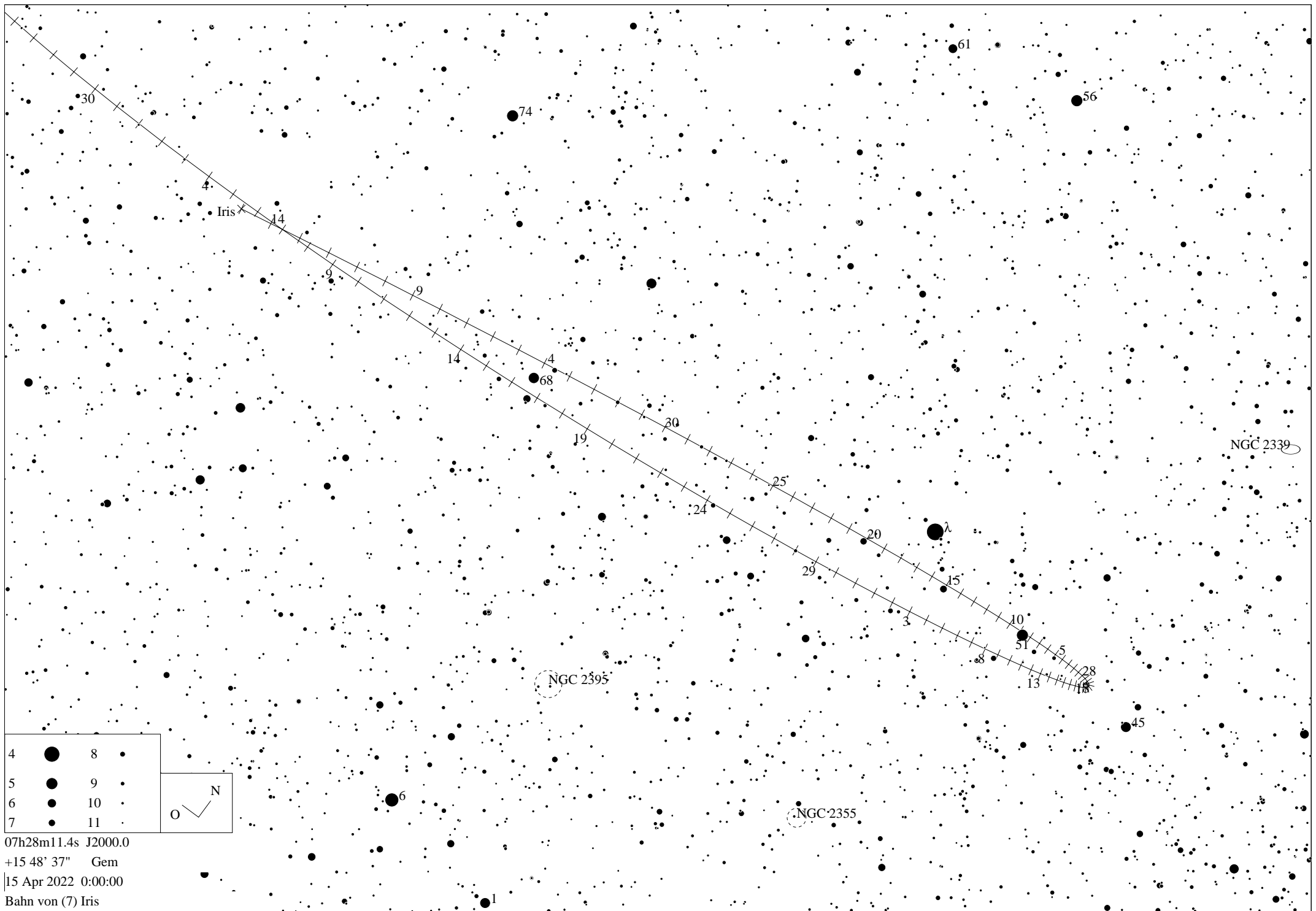
07h10m16.8s J2000.0
 +22 52' 58" Gem
 22 Sep 2021 0:00:00
 Bahn von (7) Iris



4		8	
5		9	
6		10	
7		11	



07h51m05.1s J2000.0
 +18 57' 24" Gem
 17 Okt 2021 0:00:00
 Bahn von (7) Iris



Ephemeride des Kleinplaneten (7) Iris

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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1 Sep 2021	06h04m23.73s	+25 05' 42.6"	1.8519	1.9861	9.7	67.5	30.2	15.32	68.69	77.75	93.4	Gem
2 Sep 2021	06h06m40.53s	+25 03' 39.3"	1.8526	1.9779	9.7	68.0	30.3	15.53	69.02	77.41	93.7	Gem
3 Sep 2021	06h08m56.66s	+25 01' 27.7"	1.8534	1.9696	9.7	68.4	30.4	15.74	69.35	77.06	94.0	Gem
4 Sep 2021	06h11m12.08s	+24 59' 07.9"	1.8541	1.9614	9.7	68.9	30.5	15.96	69.68	76.70	94.3	Gem
5 Sep 2021	06h13m26.80s	+24 56' 40.0"	1.8549	1.9531	9.7	69.3	30.6	16.17	70.01	76.34	94.5	Gem
6 Sep 2021	06h15m40.78s	+24 54' 04.0"	1.8557	1.9447	9.7	69.8	30.7	16.38	70.35	75.97	94.8	Gem
7 Sep 2021	06h17m54.01s	+24 51' 20.1"	1.8565	1.9364	9.7	70.3	30.7	16.60	70.70	75.59	95.1	Gem
8 Sep 2021	06h20m06.48s	+24 48' 28.4"	1.8574	1.9280	9.7	70.7	30.8	16.81	71.05	75.21	95.3	Gem
9 Sep 2021	06h22m18.16s	+24 45' 29.1"	1.8582	1.9197	9.7	71.2	30.9	17.03	71.40	74.81	95.6	Gem
10 Sep 2021	06h24m29.04s	+24 42' 22.1"	1.8591	1.9112	9.7	71.7	30.9	17.25	71.75	74.41	95.9	Gem
11 Sep 2021	06h26m39.10s	+24 39' 07.6"	1.8600	1.9028	9.7	72.1	31.0	17.46	72.11	74.00	96.2	Gem
12 Sep 2021	06h28m48.33s	+24 35' 45.9"	1.8609	1.8944	9.7	72.6	31.1	17.68	72.48	73.59	96.4	Gem
13 Sep 2021	06h30m56.71s	+24 32' 16.8"	1.8618	1.8859	9.7	73.1	31.1	17.90	72.85	73.17	96.7	Gem
14 Sep 2021	06h33m04.23s	+24 28' 40.7"	1.8628	1.8774	9.7	73.6	31.2	18.13	73.22	72.74	97.0	Gem
15 Sep 2021	06h35m10.87s	+24 24' 57.6"	1.8638	1.8689	9.6	74.1	31.3	18.35	73.60	72.31	97.3	Gem
16 Sep 2021	06h37m16.63s	+24 21' 07.7"	1.8647	1.8604	9.6	74.6	31.3	18.57	73.98	71.87	97.5	Gem
17 Sep 2021	06h39m21.49s	+24 17' 11.0"	1.8657	1.8518	9.6	75.1	31.4	18.80	74.37	71.42	97.8	Gem
18 Sep 2021	06h41m29.04s	+24 13' 07.8"	1.8668	1.8433	9.6	75.6	31.4	19.02	74.76	70.97	98.1	Gem
19 Sep 2021	06h43m28.44s	+24 08' 58.1"	1.8678	1.8347	9.6	76.1	31.5	19.25	75.15	70.51	98.3	Gem
20 Sep 2021	06h45m30.51s	+24 04' 42.1"	1.8689	1.8261	9.6	76.6	31.5	19.48	75.55	70.04	98.6	Gem
21 Sep 2021	06h47m31.62s	+24 00' 19.8"	1.8699	1.8175	9.6	77.1	31.6	19.71	75.95	69.57	98.9	Gem
22 Sep 2021	06h49m31.75s	+23 55' 51.6"	1.8710	1.8089	9.6	77.6	31.6	19.95	76.36	69.08	99.2	Gem
23 Sep 2021	06h51m30.89s	+23 51' 17.4"	1.8721	1.8002	9.6	78.1	31.6	20.18	76.78	68.59	99.4	Gem
24 Sep 2021	06h53m29.01s	+23 46' 37.4"	1.8733	1.7915	9.6	78.7	31.7	20.42	77.20	68.09	99.7	Gem
25 Sep 2021	06h55m26.11s	+23 41' 51.8"	1.8744	1.7829	9.6	79.2	31.7	20.66	77.62	67.57	100.0	Gem
26 Sep 2021	06h57m22.17s	+23 37' 00.6"	1.8756	1.7742	9.6	79.7	31.7	20.90	78.05	67.05	100.2	Gem
27 Sep 2021	06h59m17.15s	+23 32' 04.2"	1.8768	1.7654	9.6	80.3	31.8	21.14	78.48	66.52	100.5	Gem
28 Sep 2021	07h01m11.05s	+23 27' 02.5"	1.8780	1.7567	9.5	80.8	31.8	21.39	78.92	65.97	100.8	Gem
29 Sep 2021	07h03m03.85s	+23 21' 55.8"	1.8792	1.7480	9.5	81.3	31.8	21.64	79.36	65.42	101.1	Gem
30 Sep 2021	07h04m55.52s	+23 16' 44.1"	1.8804	1.7392	9.5	81.9	31.8	21.89	79.81	64.85	101.4	Gem
1 Okt 2021	07h06m46.04s	+23 11' 27.8"	1.8817	1.7304	9.5	82.4	31.8	22.14	80.27	64.27	101.6	Gem
2 Okt 2021	07h08m35.40s	+23 06' 06.8"	1.8829	1.7216	9.5	83.0	31.8	22.39	80.73	63.68	101.9	Gem
3 Okt 2021	07h10m23.57s	+23 00' 41.4"	1.8842	1.7128	9.5	83.6	31.9	22.65	81.19	63.07	102.2	Gem
4 Okt 2021	07h12m10.54s	+22 55' 11.7"	1.8855	1.7040	9.5	84.1	31.9	22.91	81.66	62.46	102.5	Gem
5 Okt 2021	07h13m56.27s	+22 49' 38.0"	1.8868	1.6952	9.5	84.7	31.9	23.17	82.14	61.83	102.8	Gem
6 Okt 2021	07h15m40.75s	+22 44' 00.3"	1.8881	1.6863	9.5	85.3	31.9	23.44	82.62	61.19	103.1	Gem
7 Okt 2021	07h17m23.96s	+22 38' 18.8"	1.8895	1.6775	9.5	85.8	31.8	23.71	83.11	60.53	103.4	Gem
8 Okt 2021	07h19m05.88s	+22 32' 33.8"	1.8909	1.6686	9.4	86.4	31.8	23.98	83.60	59.87	103.7	Gem
9 Okt 2021	07h20m46.48s	+22 26' 45.3"	1.8922	1.6598	9.4	87.0	31.8	24.25	84.10	59.19	104.0	Gem
10 Okt 2021	07h22m25.76s	+22 20' 53.6"	1.8936	1.6509	9.4	87.6	31.8	24.53	84.61	58.50	104.3	Gem
11 Okt 2021	07h24m03.69s	+22 14' 58.8"	1.8950	1.6420	9.4	88.2	31.8	24.81	85.12	57.81	104.6	Gem
12 Okt 2021	07h25m40.26s	+22 09' 01.2"	1.8965	1.6332	9.4	88.8	31.7	25.10	85.64	57.10	104.9	Gem
13 Okt 2021	07h27m15.45s	+22 03' 00.7"	1.8979	1.6243	9.4	89.4	31.7	25.38	86.17	56.38	105.2	Gem
14 Okt 2021	07h28m49.24s	+21 56' 57.8"	1.8994	1.6154	9.4	90.1	31.7	25.67	86.70	55.65	105.5	Gem
15 Okt 2021	07h30m21.62s	+21 50' 52.4"	1.9009	1.6065	9.4	90.7	31.6	25.97	87.24	54.90	105.8	Gem
16 Okt 2021	07h31m52.57s	+21 44' 44.8"	1.9023	1.5977	9.4	91.3	31.6	26.26	87.79	54.15	106.1	Gem
17 Okt 2021	07h33m22.06s	+21 38' 35.2"	1.9038	1.5888	9.3	91.9	31.5	26.56	88.34	53.39	106.5	Gem
18 Okt 2021	07h34m50.09s	+21 32' 23.7"	1.9054	1.5799	9.3	92.6	31.5	26.87	88.90	52.61	106.8	Gem
19 Okt 2021	07h36m16.63s	+21 26' 10.5"	1.9069	1.5711	9.3	93.2	31.4	27.17	89.47	51.82	107.2	Gem
20 Okt 2021	07h37m41.66s	+21 19' 55.8"	1.9085	1.5622	9.3	93.9	31.4	27.49	90.04	51.01	107.5	Gem
21 Okt 2021	07h39m05.15s	+21 13' 39.8"	1.9100	1.5534	9.3	94.5	31.3	27.80	90.62	50.20	107.9	Gem
22 Okt 2021	07h40m27.10s	+21 07' 22.5"	1.9116	1.5445	9.3	95.2	31.2	28.12	91.21	49.36	108.2	Gem
23 Okt 2021	07h41m47.46s	+21 01' 04.3"	1.9132	1.5357	9.3	95.9	31.2	28.44	91.81	48.52	108.6	Gem
24 Okt 2021	07h43m06.23s	+20 54' 45.3"	1.9148	1.5269	9.3	96.5	31.1	28.77	92.42	47.66	109.0	Gem
25 Okt 2021	07h44m23.37s	+20 48' 25.7"	1.9164	1.5181	9.2	97.2	31.0	29.10	93.03	46.78	109.4	Gem
26 Okt 2021	07h45m38.86s	+20 42' 05.6"	1.9181	1.5093	9.2	97.9	30.9	29.43	93.65	45.89	109.8	Gem
27 Okt 2021	07h46m52.67s	+20 35' 45.3"	1.9197	1.5005	9.2	98.6	30.8	29.77	94.28	44.98	110.2	Gem
28 Okt 2021	07h48m04.79s	+20 29' 24.9"	1.9214	1.4917	9.2	99.3	30.7	30.11	94.92	44.05	110.7	Gem
29 Okt 2021	07h49m15.17s	+20 23' 04.7"	1.9231	1.4830	9.2	100.0	30.6	30.45	95.57	43.11	111.1	Gem
30 Okt 2021	07h50m23.80s	+20 16' 44.7"	1.9248	1.4743	9.2	100.7	30.5	30.80	96.23	42.15	111.6	Gem
31 Okt 2021	07h51m30.65s	+20 10' 25.3"	1.9265	1.4656	9.2	101.4	30.3	31.15	96.90	41.18	112.1	Gem
1 Nov 2021	07h52m35.69s	+20 04' 06.6"	1.9282	1.4569	9.1	102.2	30.2	31.51	97.57	40.19	112.7	Gem
2 Nov 2021	07h53m38.89s	+19 57' 48.8"	1.9300	1.4482	9.1	102.9	30.1	31.87	98.26	39.18	113.2	Gem
3 Nov 2021	07h54m40.23s	+19 51' 32.2"	1.9317	1.4396	9.1	103.7	29.9	32.24	98.96	38.16	113.8	Gem
4 Nov 2021	07h55m39.67s	+19 45' 16.8"	1.9335	1.4310	9.1	104.4	29.8	32.61	99.67	37.12	114.4	Gem
5 Nov 2021	07h56m37.20s	+19 39' 02.9"	1.9353	1.4225	9.1	105.2	29.6	32.98	100.39	36.07	115.1	Cnc
6 Nov 2021	07h57m32.79s	+19 32' 50.8"	1.9370	1.4139	9.1	105.9	29.5	33.36	101.12	35.01	115.7	Cnc
7 Nov 2021	07h58m26.42s	+19 26' 40.5"	1.9389	1.4055	9.1	106.7	29.3	33.74	101.86	33.93	116.5	Cnc
8 Nov 2021	07h59m18.05s	+19 20' 32.4"	1.9407	1.3970	9.0	107.5	29.1	34.12	102.61	32.85	117.2	Cnc
9 Nov 2021	08h00m07.69s	+19 14' 26.5"	1.9425	1.3886	9.0	108.3	29.0	34.51	103.38	31.75	118.1	Cnc
10 Nov 2021	08h00m55.29s	+19 08' 23.0"	1.9443	1.3803	9.0	109.1	28.8	34.91	104.16	30.65	118.9	Cnc
11 Nov 2021	08h01m40.85s	+19 02' 22.2"	1.9462	1.3720	9.0	109.9	28.6	35.30	104.95	29.53	119.9	Cnc
12 Nov 2021	08h02m24.34s	+18 56' 24.2"	1.9481	1.3637	9.0	110.7	28.4	35.70	105.75	28.42	120.9	Cnc
13 Nov 2021	08h03m05.75s	+18 50' 29.2"	1.9500	1.3555	9.0	111.5	28.2	36.11	106.57	27.29	122.0	Cnc

Ephemeride des Kleinplaneten (7) Iris

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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14 Nov 2021	08h03m45.04s	+18 44' 37.3"	1.9519	1.3474	8.9	112.4	28.0	36.52	107.40	26.16	123.3	Cnc
15 Nov 2021	08h04m22.21s	+18 38' 48.7"	1.9538	1.3393	8.9	113.2	27.7	36.93	108.25	25.03	124.6	Cnc
16 Nov 2021	08h04m57.23s	+18 33' 03.7"	1.9557	1.3313	8.9	114.1	27.5	37.34	109.11	23.90	126.0	Cnc
17 Nov 2021	08h05m30.08s	+18 27' 22.3"	1.9576	1.3234	8.9	114.9	27.3	37.76	109.98	22.77	127.7	Cnc
18 Nov 2021	08h06m00.73s	+18 21' 44.7"	1.9596	1.3155	8.9	115.8	27.0	38.18	110.88	21.64	129.4	Cnc
19 Nov 2021	08h06m29.17s	+18 16' 11.1"	1.9615	1.3077	8.9	116.7	26.8	38.61	111.79	20.52	131.4	Cnc
20 Nov 2021	08h06m55.37s	+18 10' 41.7"	1.9635	1.3000	8.8	117.6	26.5	39.03	112.71	19.42	133.7	Cnc
21 Nov 2021	08h07m19.31s	+18 05' 16.7"	1.9655	1.2924	8.8	118.5	26.2	39.46	113.65	18.33	136.2	Cnc
22 Nov 2021	08h07m40.98s	+17 59' 56.1"	1.9674	1.2848	8.8	119.4	25.9	39.89	114.61	17.27	139.1	Cnc
23 Nov 2021	08h08m00.34s	+17 54' 40.2"	1.9694	1.2773	8.8	120.3	25.7	40.33	115.59	16.24	142.3	Cnc
24 Nov 2021	08h08m17.39s	+17 49' 29.1"	1.9715	1.2699	8.8	121.2	25.4	40.77	116.59	15.26	146.0	Cnc
25 Nov 2021	08h08m32.09s	+17 44' 23.0"	1.9735	1.2626	8.7	122.1	25.1	41.20	117.61	14.34	150.2	Cnc
26 Nov 2021	08h08m44.44s	+17 39' 22.0"	1.9755	1.2554	8.7	123.1	24.8	41.64	118.65	13.49	155.0	Cnc
27 Nov 2021	08h08m54.41s	+17 34' 26.3"	1.9776	1.2483	8.7	124.0	24.4	42.08	119.71	12.75	160.4	Cnc
28 Nov 2021	08h09m01.99s	+17 29' 36.0"	1.9796	1.2413	8.7	125.0	24.1	42.52	120.79	12.12	166.5	Cnc
29 Nov 2021	08h09m07.17s	+17 24' 51.4"	1.9817	1.2344	8.7	126.0	23.8	42.97	121.90	11.63	173.2	Cnc
30 Nov 2021	08h09m09.92s	+17 20' 12.4"	1.9838	1.2276	8.6	126.9	23.4	43.41	123.02	11.32	180.4	Cnc
1 Dez 2021	08h09m02.26s	+17 15' 39.4"	1.9858	1.2209	8.6	127.9	23.1	43.85	124.18	11.18	188.0	Cnc
2 Dez 2021	08h09m08.15s	+17 11' 12.3"	1.9879	1.2144	8.6	128.9	22.7	44.29	125.35	11.24	195.6	Cnc
3 Dez 2021	08h09m03.61s	+17 06' 51.4"	1.9901	1.2079	8.6	129.9	22.3	44.73	126.55	11.49	203.1	Cnc
4 Dez 2021	08h08m56.63s	+17 02' 36.7"	1.9922	1.2016	8.6	131.0	21.9	45.17	127.78	11.92	210.1	Cnc
5 Dez 2021	08h08m47.21s	+16 58' 28.4"	1.9943	1.1955	8.5	132.0	21.5	45.60	129.04	12.51	216.5	Cnc
6 Dez 2021	08h08m35.37s	+16 54' 26.6"	1.9964	1.1894	8.5	133.0	21.1	46.04	130.32	13.23	222.3	Cnc
7 Dez 2021	08h08m21.11s	+16 50' 31.2"	1.9986	1.1836	8.5	134.1	20.7	46.47	131.63	14.07	227.4	Cnc
8 Dez 2021	08h08m04.45s	+16 46' 42.5"	2.0008	1.1778	8.5	135.1	20.3	46.89	132.97	15.00	231.9	Cnc
9 Dez 2021	08h07m54.42s	+16 43' 00.4"	2.0029	1.1722	8.4	136.2	19.9	47.31	134.34	16.00	235.9	Cnc
10 Dez 2021	08h07m24.02s	+16 39' 25.1"	2.0051	1.1668	8.4	137.3	19.5	47.73	135.73	17.06	239.3	Cnc
11 Dez 2021	08h07m00.28s	+16 35' 56.4"	2.0073	1.1615	8.4	138.4	19.0	48.14	137.16	18.16	242.4	Cnc
12 Dez 2021	08h06m34.22s	+16 32' 34.6"	2.0095	1.1564	8.4	139.5	18.6	48.54	138.62	19.29	245.0	Cnc
13 Dez 2021	08h06m05.89s	+16 29' 19.6"	2.0117	1.1515	8.4	140.6	18.1	48.93	140.11	20.44	247.4	Cnc
14 Dez 2021	08h05m35.29s	+16 26' 11.4"	2.0139	1.1467	8.3	141.7	17.6	49.32	141.64	21.60	249.4	Cnc
15 Dez 2021	08h05m02.47s	+16 23' 10.1"	2.0161	1.1422	8.3	142.8	17.2	49.69	143.19	22.77	251.3	Cnc
16 Dez 2021	08h04m27.46s	+16 20' 15.6"	2.0184	1.1378	8.3	143.9	16.7	50.06	144.78	23.93	252.9	Cnc
17 Dez 2021	08h03m50.30s	+16 17' 27.9"	2.0206	1.1335	8.3	145.1	16.2	50.41	146.40	25.10	254.4	Cnc
18 Dez 2021	08h03m11.04s	+16 14' 47.1"	2.0228	1.1295	8.3	146.2	15.7	50.75	148.06	26.25	255.7	Cnc
19 Dez 2021	08h02m29.71s	+16 12' 13.1"	2.0251	1.1257	8.2	147.4	15.2	51.08	149.75	27.39	256.9	Cnc
20 Dez 2021	08h01m46.36s	+16 09' 45.8"	2.0274	1.1220	8.2	148.5	14.7	51.40	151.46	28.51	258.0	Cnc
21 Dez 2021	08h01m01.05s	+16 07' 25.4"	2.0296	1.1186	8.2	149.7	14.2	51.70	153.22	29.60	259.0	Cnc
22 Dez 2021	08h00m13.83s	+16 05' 11.6"	2.0319	1.1153	8.2	150.9	13.6	51.98	155.00	30.68	259.9	Cnc
23 Dez 2021	07h59m24.76s	+16 03' 04.5"	2.0342	1.1123	8.1	152.1	13.1	52.25	156.81	31.72	260.7	Cnc
24 Dez 2021	07h58m33.90s	+16 01' 04.1"	2.0365	1.1095	8.1	153.2	12.6	52.49	158.65	32.73	261.5	Cnc
25 Dez 2021	07h57m41.32s	+15 59' 10.2"	2.0388	1.1069	8.1	154.4	12.0	52.72	160.52	33.70	262.2	Cnc
26 Dez 2021	07h56m47.09s	+15 57' 22.9"	2.0411	1.1045	8.1	155.6	11.5	52.93	162.42	34.64	262.8	Cnc
27 Dez 2021	07h55m51.29s	+15 55' 41.9"	2.0435	1.1024	8.0	156.8	10.9	53.12	164.34	35.54	263.4	Cnc
28 Dez 2021	07h54m53.98s	+15 54' 07.3"	2.0458	1.1005	8.0	158.0	10.4	53.28	166.29	36.38	264.0	Gem
29 Dez 2021	07h53m55.26s	+15 52' 39.0"	2.0481	1.0988	8.0	159.2	9.8	53.43	168.26	37.19	264.5	Gem
30 Dez 2021	07h52m55.22s	+15 51' 16.8"	2.0505	1.0973	8.0	160.4	9.3	53.55	170.25	37.93	265.0	Gem
31 Dez 2021	07h51m53.94s	+15 50' 00.7"	2.0528	1.0961	8.0	161.6	8.7	53.64	172.25	38.63	265.5	Gem
1 Jan 2022	07h50m51.52s	+15 48' 50.5"	2.0552	1.0951	7.9	162.8	8.1	53.71	174.28	39.26	265.9	Gem
2 Jan 2022	07h49m48.06s	+15 47' 46.2"	2.0576	1.0944	7.9	164.0	7.6	53.76	176.31	39.84	266.3	Gem
3 Jan 2022	07h48m43.68s	+15 46' 47.6"	2.0599	1.0939	7.9	165.1	7.0	53.78	178.36	40.35	266.6	Gem
4 Jan 2022	07h47m38.47s	+15 45' 54.5"	2.0623	1.0937	7.9	166.3	6.5	53.77	180.40	40.80	267.0	Gem
5 Jan 2022	07h46m32.55s	+15 45' 06.8"	2.0647	1.0937	7.8	167.5	5.9	53.74	182.46	41.18	267.3	Gem
6 Jan 2022	07h45m26.04s	+15 44' 24.4"	2.0671	1.0940	7.8	168.6	5.4	53.68	184.51	41.49	267.6	Gem
7 Jan 2022	07h44m18.04s	+15 43' 47.1"	2.0695	1.0945	7.8	169.6	4.9	53.60	186.56	41.73	267.9	Gem
8 Jan 2022	07h43m11.66s	+15 43' 14.6"	2.0719	1.0953	7.8	170.7	4.4	53.49	188.60	41.91	268.2	Gem
9 Jan 2022	07h42m04.02s	+15 42' 46.9"	2.0743	1.0964	7.7	171.6	3.9	53.35	190.64	42.02	268.4	Gem
10 Jan 2022	07h40m56.23s	+15 42' 23.8"	2.0767	1.0977	7.7	172.5	3.5	53.19	192.66	42.07	268.7	Gem
11 Jan 2022	07h39m48.41s	+15 42' 05.1"	2.0791	1.0993	7.7	173.3	3.2	53.00	194.67	42.04	268.9	Gem
12 Jan 2022	07h38m40.64s	+15 41' 50.6"	2.0816	1.1011	7.7	173.8	2.9	52.78	196.66	41.96	269.2	Gem
13 Jan 2022	07h37m33.06s	+15 41' 40.2"	2.0840	1.1032	7.7	174.1	2.8	52.54	198.63	41.81	269.4	Gem
14 Jan 2022	07h36m25.75s	+15 41' 33.8"	2.0865	1.1056	7.7	174.2	2.7	52.28	200.58	41.59	269.6	Gem
15 Jan 2022	07h35m18.83s	+15 41' 31.1"	2.0889	1.1082	7.7	174.0	2.8	51.99	202.51	41.31	269.8	Gem
16 Jan 2022	07h34m12.39s	+15 41' 32.0"	2.0914	1.1110	7.7	173.5	3.1	51.68	204.41	40.97	270.0	Gem
17 Jan 2022	07h33m06.55s	+15 41' 36.4"	2.0938	1.1142	7.8	172.8	3.4	51.35	206.29	40.57	270.2	Gem
18 Jan 2022	07h32m01.39s	+15 41' 44.1"	2.0963	1.1176	7.8	172.0	3.7	51.00	208.14	40.12	270.3	Gem
19 Jan 2022	07h30m57.01s	+15 41' 54.9"	2.0987	1.1212	7.8	171.1	4.2	50.63	209.96	39.60	270.5	Gem
20 Jan 2022	07h29m53.51s	+15 42' 08.8"	2.1012	1.1251	7.9	170.1	4.6	50.24	211.74	39.03	270.7	Gem
21 Jan 2022	07h28m50.97s	+15 42' 25.5"	2.1037	1.1293	7.9	169.0	5.1	49.83	213.50	38.41	270.9	Gem
22 Jan 2022	07h27m49.48s	+15 42' 45.0"	2.1062	1.1337	7.9	167.9	5.6	49.40	215.22	37.73	271.1	Gem
23 Jan 2022	07h26m49.13s	+15 43' 07.1"	2.1087	1.1383	8.0	166.8	6.1	48.96	216.91	37.00	271.2	Gem
24 Jan 2022	07h25m50.00s	+15 43' 31.6"	2.1112	1.1432	8.0	165.7	6.6	48.50	218.57	36.22	271.4	Gem
25 Jan 2022	07h24m52.18s	+15 43' 58.5"	2.1137	1.1484	8.0	164.6	7.1	48.03	220.20	35.40	271.6	Gem
26 Jan 2022	07h23m55.73s	+15 44' 27.6"	2.1162	1.1538	8.1	163.4	7.6	47.54	221.79	34.53	271.8	Gem

Ephemeride des Kleinplaneten (7) Iris

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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27 Jan 2022	07h23m00.73s	+15 44' 58.8"	2.1187	1.1595	8.1	162.3	8.1	47.04	223.35	33.61	272.0	Gem
28 Jan 2022	07h22m07.27s	+15 45' 31.9"	2.1212	1.1654	8.2	161.1	8.7	46.53	224.88	32.65	272.1	Gem
29 Jan 2022	07h21m15.40s	+15 46' 06.9"	2.1237	1.1715	8.2	159.9	9.2	46.01	226.37	31.65	272.3	Gem
30 Jan 2022	07h20m25.19s	+15 46' 43.5"	2.1262	1.1779	8.2	158.8	9.7	45.48	227.84	30.61	272.5	Gem
31 Jan 2022	07h19m36.71s	+15 47' 21.8"	2.1287	1.1845	8.3	157.6	10.2	44.94	229.27	29.53	272.7	Gem
1 Feb 2022	07h18m50.02s	+15 48' 01.5"	2.1313	1.1913	8.3	156.4	10.6	44.40	230.67	28.42	272.9	Gem
2 Feb 2022	07h18m05.18s	+15 48' 42.4"	2.1338	1.1984	8.3	155.3	11.1	43.84	232.03	27.28	273.2	Gem
3 Feb 2022	07h17m22.23s	+15 49' 24.5"	2.1363	1.2057	8.4	154.1	11.6	43.28	233.37	26.10	273.4	Gem
4 Feb 2022	07h16m41.22s	+15 50' 07.7"	2.1389	1.2132	8.4	153.0	12.1	42.72	234.68	24.90	273.7	Gem
5 Feb 2022	07h16m02.19s	+15 50' 51.7"	2.1414	1.2210	8.4	151.9	12.5	42.14	235.96	23.68	273.9	Gem
6 Feb 2022	07h15m25.17s	+15 51' 36.5"	2.1440	1.2289	8.5	150.7	13.0	41.57	237.22	22.44	274.2	Gem
7 Feb 2022	07h14m50.20s	+15 52' 21.9"	2.1465	1.2371	8.5	149.6	13.4	40.99	238.44	21.19	274.5	Gem
8 Feb 2022	07h14m17.30s	+15 53' 07.8"	2.1491	1.2455	8.5	148.5	13.9	40.41	239.64	19.92	274.8	Gem
9 Feb 2022	07h13m46.49s	+15 53' 54.1"	2.1516	1.2540	8.6	147.4	14.3	39.82	240.82	18.64	275.2	Gem
10 Feb 2022	07h13m17.79s	+15 54' 40.7"	2.1542	1.2628	8.6	146.3	14.7	39.23	241.97	17.35	275.6	Gem
11 Feb 2022	07h12m51.21s	+15 55' 27.4"	2.1568	1.2718	8.6	145.2	15.2	38.64	243.09	16.05	276.1	Gem
12 Feb 2022	07h12m26.77s	+15 56' 14.1"	2.1593	1.2810	8.7	144.1	15.6	38.06	244.19	14.76	276.6	Gem
13 Feb 2022	07h11m46.46s	+15 57' 00.8"	2.1619	1.2903	8.7	143.0	16.0	37.46	245.27	13.45	277.2	Gem
14 Feb 2022	07h11m44.29s	+15 57' 47.2"	2.1645	1.2998	8.7	141.9	16.3	36.87	246.33	12.16	277.9	Gem
15 Feb 2022	07h11m26.26s	+15 58' 33.4"	2.1671	1.3095	8.8	140.8	16.7	36.28	247.36	10.86	278.8	Gem
16 Feb 2022	07h11m10.38s	+15 59' 19.2"	2.1696	1.3194	8.8	139.8	17.1	35.69	248.38	9.57	279.9	Gem
17 Feb 2022	07h10m56.63s	+16 00' 04.5"	2.1722	1.3295	8.8	138.7	17.5	35.10	249.37	8.28	281.3	Gem
18 Feb 2022	07h10m45.00s	+16 00' 49.2"	2.1748	1.3397	8.9	137.7	17.8	34.51	250.35	7.01	283.1	Gem
19 Feb 2022	07h10m35.50s	+16 01' 33.2"	2.1774	1.3501	8.9	136.7	18.2	33.93	251.31	5.75	285.7	Gem
20 Feb 2022	07h10m28.11s	+16 02' 16.4"	2.1800	1.3606	8.9	135.6	18.5	33.34	252.25	4.51	289.7	Gem
21 Feb 2022	07h10m22.81s	+16 02' 58.8"	2.1826	1.3713	8.9	134.6	18.8	32.76	253.17	3.32	296.6	Gem
22 Feb 2022	07h10m19.61s	+16 03' 40.2"	2.1852	1.3822	9.0	133.6	19.1	32.18	254.07	2.23	310.3	Gem
23 Feb 2022	07h10m18.47s	+16 04' 20.5"	2.1878	1.3932	9.0	132.6	19.4	31.60	254.96	1.47	342.5	Gem
24 Feb 2022	07h10m19.40s	+16 04' 59.6"	2.1904	1.4044	9.0	131.6	19.7	31.02	255.84	1.57	31.0	Gem
25 Feb 2022	07h10m22.37s	+16 05' 37.6"	2.1930	1.4157	9.1	130.6	20.0	30.44	256.69	2.43	57.8	Gem
26 Feb 2022	07h10m27.38s	+16 06' 14.1"	2.1956	1.4271	9.1	129.7	20.3	29.87	257.54	3.51	69.4	Gem
27 Feb 2022	07h10m34.40s	+16 06' 49.2"	2.1982	1.4387	9.1	128.7	20.6	29.30	258.37	4.66	75.4	Gem
28 Feb 2022	07h10m43.42s	+16 07' 22.8"	2.2008	1.4504	9.1	127.7	20.9	28.74	259.18	5.83	79.1	Gem
1 Mar 2022	07h10m54.43s	+16 07' 54.7"	2.2034	1.4623	9.2	126.8	21.1	28.17	259.99	7.00	81.5	Gem
2 Mar 2022	07h11m07.39s	+16 08' 24.9"	2.2060	1.4742	9.2	125.8	21.4	27.61	260.78	8.17	83.2	Gem
3 Mar 2022	07h11m22.30s	+16 08' 53.2"	2.2086	1.4863	9.2	124.9	21.6	27.06	261.56	9.33	84.6	Gem
4 Mar 2022	07h11m39.12s	+16 09' 19.5"	2.2112	1.4985	9.3	124.0	21.8	26.50	262.32	10.48	85.6	Gem
5 Mar 2022	07h11m57.84s	+16 09' 43.8"	2.2138	1.5109	9.3	123.1	22.1	25.95	263.08	11.61	86.5	Gem
6 Mar 2022	07h12m18.42s	+16 10' 05.9"	2.2164	1.5233	9.3	122.1	22.3	25.41	263.82	12.73	87.2	Gem
7 Mar 2022	07h12m40.84s	+16 10' 25.7"	2.2190	1.5359	9.3	121.2	22.5	24.86	264.55	13.84	87.8	Gem
8 Mar 2022	07h13m05.07s	+16 10' 43.2"	2.2217	1.5485	9.4	120.3	22.7	24.33	265.27	14.93	88.4	Gem
9 Mar 2022	07h13m31.08s	+16 10' 58.2"	2.2243	1.5613	9.4	119.5	22.9	23.79	265.98	16.00	88.8	Gem
10 Mar 2022	07h13m58.84s	+16 11' 10.6"	2.2269	1.5741	9.4	118.6	23.1	23.26	266.69	17.05	89.3	Gem
11 Mar 2022	07h14m28.32s	+16 11' 20.5"	2.2295	1.5871	9.4	117.7	23.2	22.73	267.38	18.09	89.7	Gem
12 Mar 2022	07h14m59.48s	+16 11' 27.6"	2.2321	1.6001	9.5	116.8	23.4	22.20	268.06	19.10	90.0	Gem
13 Mar 2022	07h15m32.31s	+16 11' 32.0"	2.2348	1.6132	9.5	116.0	23.6	21.68	268.74	20.10	90.4	Gem
14 Mar 2022	07h16m06.75s	+16 11' 33.5"	2.2374	1.6264	9.5	115.1	23.7	21.16	269.40	21.08	90.7	Gem
15 Mar 2022	07h16m42.80s	+16 11' 32.0"	2.2400	1.6397	9.5	114.3	23.9	20.64	270.06	22.04	90.9	Gem
16 Mar 2022	07h17m20.40s	+16 11' 27.6"	2.2426	1.6531	9.6	113.4	24.0	20.13	270.71	22.99	91.2	Gem
17 Mar 2022	07h17m59.53s	+16 11' 20.0"	2.2452	1.6665	9.6	112.6	24.1	19.62	271.36	23.91	91.5	Gem
18 Mar 2022	07h18m40.17s	+16 11' 09.4"	2.2479	1.6800	9.6	111.8	24.3	19.12	271.99	24.82	91.7	Gem
19 Mar 2022	07h19m22.27s	+16 10' 55.5"	2.2505	1.6936	9.6	111.0	24.4	18.61	272.62	25.71	92.0	Gem
20 Mar 2022	07h20m05.81s	+16 10' 38.4"	2.2531	1.7072	9.7	110.1	24.5	18.12	273.24	26.58	92.2	Gem
21 Mar 2022	07h20m50.77s	+16 10' 18.0"	2.2557	1.7210	9.7	109.3	24.6	17.62	273.86	27.43	92.4	Gem
22 Mar 2022	07h21m37.10s	+16 09' 54.1"	2.2584	1.7347	9.7	108.5	24.7	17.13	274.46	28.27	92.6	Gem
23 Mar 2022	07h22m24.79s	+16 09' 26.9"	2.2610	1.7486	9.7	107.7	24.8	16.64	275.07	29.10	92.8	Gem
24 Mar 2022	07h23m13.82s	+16 08' 56.2"	2.2636	1.7625	9.8	106.9	24.9	16.15	275.66	29.91	93.0	Gem
25 Mar 2022	07h24m04.15s	+16 08' 21.9"	2.2662	1.7764	9.8	106.2	25.0	15.67	276.25	30.70	93.2	Gem
26 Mar 2022	07h24m55.76s	+16 07' 44.0"	2.2689	1.7905	9.8	105.4	25.1	15.19	276.84	31.48	93.4	Gem
27 Mar 2022	07h25m48.63s	+16 07' 02.4"	2.2715	1.8045	9.8	104.6	25.2	14.71	277.42	32.25	93.6	Gem
28 Mar 2022	07h26m42.73s	+16 06' 17.1"	2.2741	1.8186	9.8	103.8	25.2	14.23	277.99	33.01	93.8	Gem
29 Mar 2022	07h27m38.04s	+16 05' 28.0"	2.2767	1.8328	9.9	103.1	25.3	13.76	278.56	33.75	94.0	Gem
30 Mar 2022	07h28m34.54s	+16 04' 35.0"	2.2794	1.8470	9.9	102.3	25.3	13.29	279.12	34.47	94.2	Gem
31 Mar 2022	07h29m32.20s	+16 03' 38.1"	2.2820	1.8613	9.9	101.6	25.4	12.83	279.68	35.19	94.3	Gem
1 Apr 2022	07h30m31.00s	+16 02' 37.3"	2.2846	1.8756	9.9	100.8	25.4	12.36	280.23	35.88	94.5	Gem
2 Apr 2022	07h31m30.92s	+16 01' 32.4"	2.2872	1.8899	9.9	100.1	25.5	11.90	280.78	36.57	94.7	Gem
3 Apr 2022	07h32m31.92s	+16 00' 23.4"	2.2898	1.9043	10.0	99.3	25.5	11.45	281.33	37.24	94.9	Gem
4 Apr 2022	07h33m33.98s	+15 59' 10.3"	2.2925	1.9187	10.0	98.6	25.5	10.99	281.87	37.89	95.0	Gem
5 Apr 2022	07h34m37.08s	+15 57' 53.0"	2.2951	1.9331	10.0	97.9	25.6	10.54	282.41	38.53	95.2	Gem
6 Apr 2022	07h35m41.19s	+15 56' 31.5"	2.2977	1.9475	10.0	97.2	25.6	10.09	282.94	39.16	95.4	Gem
7 Apr 2022	07h36m46.29s	+15 55' 05.7"	2.3003	1.9620	10.0	96.4	25.6	9.64	283.47	39.77	95.6	Gem
8 Apr 2022	07h37m52.34s	+15 53' 35.6"	2.3029	1.9765	10.1	95.7	25.6	9.19	284.00	40.37	95.7	Gem
9 Apr 2022	07h38m59.34s	+15 52' 01.2"	2.3055	1.9910	10.1	95.0	25.6	8.75	284.52	40.95	95.9	Gem
10 Apr 2022	07h40m07.24s	+15 50' 22.4"	2.3082	2.0056	10.1	94.3	25.6	8.31	285.04	41.52	96.1	Gem

Ephemeride des Kleinplaneten (7) Iris

<u>Datum</u>	<u>RA</u>	<u>Deklination</u>	<u>r</u>	<u>delta</u>	<u>mag</u>	<u>Elong</u>	<u>Phase</u>	<u>Höhe</u>	<u>Az.</u>	<u>Gesch.</u>	<u>PA</u>	<u>Stb</u>
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11 Apr 2022	07h41m16.04s	+15 48' 39.3"	2.3108	2.0201	10.1	93.6	25.6	7.87	285.56	42.07	96.2	Gem
12 Apr 2022	07h42m25.69s	+15 46' 51.7"	2.3134	2.0347	10.1	92.9	25.6	7.44	286.07	42.62	96.4	Gem
13 Apr 2022	07h43m36.19s	+15 44' 59.6"	2.3160	2.0493	10.2	92.2	25.6	7.00	286.58	43.14	96.6	Gem
14 Apr 2022	07h44m47.51s	+15 43' 03.1"	2.3186	2.0639	10.2	91.5	25.6	6.57	287.09	43.66	96.7	Gem
15 Apr 2022	07h45m59.62s	+15 41' 02.1"	2.3212	2.0785	10.2	90.8	25.6	6.14	287.59	44.17	96.9	Gem