





## Ephemeride des Kleinplaneten (7) Iris

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
1 Mar 2019	13h11m18.59s	-15 33' 11.5"	2.7726	1.9647	10.0	137.0	14.1	18.82	153.84	18.54	279.2	Vir
2 Mar 2019	13h10m48.63s	-15 31' 53.9"	2.7741	1.9567	10.0	138.1	13.8	19.14	154.92	19.50	280.1	Vir
3 Mar 2019	13h10m17.21s	-15 30' 24.8"	2.7757	1.9490	10.0	139.2	13.5	19.45	156.01	20.45	281.0	Vir
4 Mar 2019	13h09m44.37s	-15 28' 44.4"	2.7773	1.9414	9.9	140.3	13.2	19.75	157.11	21.39	281.8	Vir
5 Mar 2019	13h09m10.11s	-15 26' 52.6"	2.7788	1.9341	9.9	141.4	12.9	20.04	158.22	22.32	282.6	Vir
6 Mar 2019	13h08m34.48s	-15 24' 49.3"	2.7804	1.9269	9.9	142.5	12.5	20.33	159.35	23.24	283.3	Vir
7 Mar 2019	13h07m57.49s	-15 22' 34.6"	2.7819	1.9200	9.9	143.6	12.2	20.61	160.48	24.14	284.0	Vir
8 Mar 2019	13h07m19.19s	-15 20' 08.6"	2.7834	1.9133	9.9	144.8	11.9	20.87	161.63	25.03	284.6	Vir
9 Mar 2019	13h06m39.60s	-15 17' 31.1"	2.7850	1.9068	9.8	145.9	11.5	21.13	162.78	25.90	285.2	Vir
10 Mar 2019	13h05m58.77s	-15 14' 42.5"	2.7865	1.9005	9.8	147.0	11.2	21.38	163.95	26.75	285.7	Vir
11 Mar 2019	13h05m16.72s	-15 11' 42.5"	2.7880	1.8945	9.8	148.2	10.8	21.62	165.13	27.58	286.2	Vir
12 Mar 2019	13h04m33.50s	-15 08' 31.5"	2.7895	1.8887	9.8	149.3	10.5	21.85	166.31	28.38	286.8	Vir
13 Mar 2019	13h03m49.15s	-15 05' 09.4"	2.7910	1.8832	9.8	150.4	10.1	22.07	167.51	29.17	287.2	Vir
14 Mar 2019	13h03m03.72s	-15 01' 36.5"	2.7925	1.8779	9.7	151.6	9.8	22.28	168.72	29.93	287.7	Vir
15 Mar 2019	13h02m17.25s	-14 57' 52.7"	2.7940	1.8728	9.7	152.7	9.4	22.48	169.93	30.66	288.1	Vir
16 Mar 2019	13h01m29.79s	-14 53' 58.4"	2.7954	1.8680	9.7	153.9	9.0	22.66	171.15	31.36	288.6	Vir
17 Mar 2019	13h00m41.38s	-14 49' 53.6"	2.7969	1.8635	9.7	155.0	8.6	22.83	172.39	32.04	289.0	Vir
18 Mar 2019	12h59m52.08s	-14 45' 38.5"	2.7983	1.8592	9.7	156.1	8.3	22.99	173.63	32.69	289.4	Vir
19 Mar 2019	12h59m01.92s	-14 41' 13.3"	2.7998	1.8551	9.6	157.3	7.9	23.14	174.87	33.31	289.8	Vir
20 Mar 2019	12h58m10.97s	-14 36' 38.3"	2.8012	1.8514	9.6	158.4	7.5	23.27	176.13	33.90	290.2	Vir
21 Mar 2019	12h57m19.28s	-14 31' 53.5"	2.8027	1.8479	9.6	159.5	7.1	23.40	177.39	34.46	290.5	Vir
22 Mar 2019	12h56m26.88s	-14 26' 59.3"	2.8041	1.8447	9.6	160.7	6.8	23.50	178.66	34.99	290.9	Crv
23 Mar 2019	12h55m33.84s	-14 21' 55.9"	2.8055	1.8417	9.6	161.8	6.4	23.60	179.93	35.48	291.3	Crv
24 Mar 2019	12h54m40.22s	-14 16' 43.4"	2.8069	1.8390	9.5	162.9	6.0	23.68	181.21	35.95	291.6	Crv
25 Mar 2019	12h53m46.05s	-14 11' 22.2"	2.8084	1.8366	9.5	163.9	5.6	23.74	182.49	36.38	292.0	Crv
26 Mar 2019	12h52m51.41s	-14 05' 52.6"	2.8098	1.8345	9.5	165.0	5.3	23.79	183.78	36.77	292.3	Crv
27 Mar 2019	12h51m56.34s	-14 00' 14.7"	2.8111	1.8326	9.5	166.0	4.9	23.83	185.07	37.13	292.6	Crv
28 Mar 2019	12h51m00.92s	-13 54' 28.9"	2.8125	1.8311	9.5	167.0	4.6	23.85	186.37	37.45	293.0	Crv
29 Mar 2019	12h50m05.19s	-13 48' 35.6"	2.8139	1.8298	9.4	168.0	4.2	23.85	187.66	37.73	293.3	Crv
30 Mar 2019	12h49m09.23s	-13 42' 35.1"	2.8153	1.8288	9.4	168.9	3.9	23.84	188.96	37.98	293.6	Crv
31 Mar 2019	12h48m13.09s	-13 36' 27.7"	2.8166	1.8281	9.4	169.8	3.6	23.82	190.26	38.18	294.0	Crv
1 Apr 2019	12h47m16.83s	-13 30' 13.8"	2.8180	1.8277	9.4	170.5	3.3	23.78	191.56	38.34	294.3	Crv
2 Apr 2019	12h46m20.53s	-13 23' 53.8"	2.8193	1.8276	9.4	171.2	3.1	23.73	192.86	38.46	294.6	Crv
3 Apr 2019	12h45m24.24s	-13 17' 28.1"	2.8207	1.8278	9.4	171.7	2.9	23.66	194.16	38.54	294.9	Crv
4 Apr 2019	12h44m28.02s	-13 10' 57.1"	2.8220	1.8282	9.4	172.1	2.8	23.57	195.46	38.58	295.3	Crv
5 Apr 2019	12h43m31.95s	-13 04' 21.3"	2.8233	1.8290	9.4	172.3	2.7	23.47	196.75	38.58	295.6	Crv
6 Apr 2019	12h42m36.08s	-12 57' 41.0"	2.8247	1.8300	9.4	172.2	2.7	23.36	198.05	38.53	295.9	Crv
7 Apr 2019	12h41m40.48s	-12 50' 56.7"	2.8260	1.8314	9.4	172.0	2.8	23.22	199.34	38.44	296.2	Crv
8 Apr 2019	12h40m45.21s	-12 44' 08.8"	2.8273	1.8330	9.4	171.7	2.9	23.08	200.62	38.31	296.6	Crv
9 Apr 2019	12h39m50.33s	-12 37' 17.9"	2.8286	1.8349	9.4	171.1	3.1	22.92	201.90	38.15	296.9	Crv
10 Apr 2019	12h38m55.90s	-12 30' 24.3"	2.8299	1.8372	9.4	170.5	3.4	22.74	203.18	37.94	297.2	Crv
11 Apr 2019	12h38m01.98s	-12 23' 28.6"	2.8311	1.8397	9.4	169.7	3.6	22.55	204.45	37.69	297.6	Crv
12 Apr 2019	12h37m08.63s	-12 16' 31.2"	2.8324	1.8425	9.5	168.8	3.9	22.35	205.71	37.40	297.9	Crv
13 Apr 2019	12h36m15.90s	-12 09' 32.5"	2.8337	1.8455	9.5	167.9	4.2	22.13	206.97	37.07	298.3	Crv
14 Apr 2019	12h35m23.84s	-12 02' 33.0"	2.8349	1.8489	9.5	167.0	4.6	21.90	208.22	36.71	298.6	Crv
15 Apr 2019	12h34m32.50s	-11 55' 33.2"	2.8362	1.8526	9.5	166.0	4.9	21.65	209.46	36.32	299.0	Crv
16 Apr 2019	12h33m41.93s	-11 48' 33.4"	2.8374	1.8565	9.6	165.0	5.3	21.39	210.69	35.89	299.3	Crv
17 Apr 2019	12h32m52.18s	-11 41' 34.2"	2.8387	1.8607	9.6	163.9	5.6	21.12	211.92	35.43	299.7	Crv
18 Apr 2019	12h32m03.30s	-11 34' 35.9"	2.8399	1.8652	9.6	162.9	6.0	20.84	213.13	34.94	300.1	Vir
19 Apr 2019	12h31m15.31s	-11 27' 38.9"	2.8411	1.8699	9.6	161.8	6.3	20.54	214.34	34.42	300.4	Vir
20 Apr 2019	12h30m28.27s	-11 20' 43.7"	2.8423	1.8749	9.6	160.7	6.7	20.23	215.54	33.87	300.8	Vir
21 Apr 2019	12h29m42.20s	-11 13' 50.6"	2.8435	1.8802	9.7	159.6	7.1	19.91	216.72	33.30	301.2	Vir
22 Apr 2019	12h28m57.16s	-11 07' 00.0"	2.8447	1.8858	9.7	158.5	7.4	19.58	217.90	32.70	301.6	Vir
23 Apr 2019	12h28m13.16s	-11 00' 12.3"	2.8459	1.8916	9.7	157.4	7.8	19.23	219.06	32.07	302.1	Vir
24 Apr 2019	12h27m30.26s	-10 53' 27.8"	2.8471	1.8977	9.7	156.3	8.2	18.88	220.22	31.41	302.5	Vir
25 Apr 2019	12h26m48.48s	-10 46' 46.9"	2.8483	1.9040	9.8	155.2	8.5	18.51	221.36	30.74	303.0	Vir
26 Apr 2019	12h26m07.86s	-10 40' 10.0"	2.8495	1.9106	9.8	154.1	8.9	18.13	222.50	30.04	303.4	Vir
27 Apr 2019	12h25m28.42s	-10 33' 37.4"	2.8506	1.9174	9.8	152.9	9.2	17.75	223.62	29.32	303.9	Vir
28 Apr 2019	12h24m50.20s	-10 27' 09.5"	2.8518	1.9245	9.8	151.8	9.6	17.35	224.73	28.58	304.4	Vir
29 Apr 2019	12h24m13.22s	-10 20' 46.6"	2.8529	1.9318	9.9	150.7	9.9	16.95	225.83	27.81	305.0	Vir
30 Apr 2019	12h23m37.50s	-10 14' 28.9"	2.8541	1.9394	9.9	149.6	10.3	16.54	226.92	27.03	305.6	Vir
1 Mai 2019	12h23m03.09s	-10 08' 16.9"	2.8552	1.9472	9.9	148.5	10.6	16.12	228.00	26.24	306.2	Vir
2 Mai 2019	12h22m29.99s	-10 02' 10.8"	2.8563	1.9552	9.9	147.4	11.0	15.69	229.06	25.42	306.8	Vir
3 Mai 2019	12h21m58.22s	-09 56' 10.9"	2.8574	1.9635	10.0	146.3	11.3	15.25	230.11	24.60	307.5	Vir
4 Mai 2019	12h21m27.81s	-09 50' 17.5"	2.8585	1.9719	10.0	145.2	11.6	14.80	231.16	23.76	308.2	Vir
5 Mai 2019	12h20m58.78s	-09 44' 30.9"	2.8596	1.9806	10.0	144.1	11.9	14.35	232.19	22.91	308.9	Vir
6 Mai 2019	12h20m31.14s	-09 38' 51.2"	2.8607	1.9896	10.0	143.1	12.2	13.90	233.20	22.04	309.8	Vir
7 Mai 2019	12h20m04.89s	-09 33' 18.8"	2.8618	1.9987	10.0	142.0	12.5	13.43	234.21	21.18	310.6	Vir
8 Mai 2019	12h19m40.07s	-09 27' 53.9"	2.8629	2.0080	10.1	140.9	12.8	12.96	235.21	20.30	311.6	Vir
9 Mai 2019	12h19m16.66s	-09 22' 36.6"	2.8640	2.0176	10.1	139.8	13.1	12.48	236.19	19.42	312.6	Vir
10 Mai 2019	12h18m54.69s	-09 17' 27.3"	2.8650	2.0273	10.1	138.8	13.4	12.00	237.16	18.54	313.7	Vir
11 Mai 2019	12h18m34.16s	-09 12' 25.9"	2.8661	2.0372	10.1	137.7	13.7	11.52	238.13	17.67	315.0	Vir
12 Mai 2019	12h18m15.06s	-09 07' 32.8"	2.8671	2.0473	10.2	136.7	14.0	11.02	239.08	16.79	316.3	Vir
13 Mai 2019	12h17m57.40s	-09 02' 48.0"	2.8682	2.0576	10.2	135.6	14.3	10.53	240.02	15.92	317.8	Vir

## Ephemeride des Kleinplaneten (7) Iris

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
-----	--	-----	-	-----	---	-----	-----	-----	-----	-----	-----	---
14 Mai 2019	12h17m41.18s	-08 58' 11.7"	2.8692	2.0681	10.2	134.6	14.5	10.03	240.95	15.06	319.4	Vir
15 Mai 2019	12h17m26.40s	-08 53' 43.9"	2.8702	2.0787	10.2	133.6	14.8	9.52	241.87	14.21	321.2	Vir