





## Ephemeride des Kleinplaneten (14) Irene

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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15 Dez 2020	09h01m30.86s	+23 23' 19.8"	2.3824	1.6104	10.3	131.8	17.9	49.43	120.31	14.61	3.9	Cnc
16 Dez 2020	09h01m33.00s	+23 29' 10.2"	2.3807	1.5996	10.3	132.8	17.7	50.03	121.36	14.98	359.6	Cnc
17 Dez 2020	09h01m33.24s	+23 35' 10.4"	2.3790	1.5889	10.3	133.8	17.4	50.62	122.43	15.43	355.5	Cnc
18 Dez 2020	09h01m31.55s	+23 41' 20.2"	2.3773	1.5784	10.2	134.9	17.1	51.22	123.53	15.95	351.6	Cnc
19 Dez 2020	09h01m27.95s	+23 47' 39.6"	2.3756	1.5681	10.2	135.9	16.7	51.82	124.66	16.54	348.0	Cnc
20 Dez 2020	09h01m22.41s	+23 54' 08.4"	2.3739	1.5579	10.2	137.0	16.4	52.42	125.82	17.17	344.6	Cnc
21 Dez 2020	09h01m14.93s	+24 00' 46.4"	2.3722	1.5479	10.2	138.0	16.1	53.01	127.01	17.86	341.5	Cnc
22 Dez 2020	09h01m05.52s	+24 07' 33.4"	2.3705	1.5382	10.1	139.1	15.8	53.61	128.23	18.58	338.6	Cnc
23 Dez 2020	09h00m54.17s	+24 14' 29.2"	2.3689	1.5285	10.1	140.1	15.4	54.20	129.49	19.35	335.9	Cnc
24 Dez 2020	09h00m40.87s	+24 21' 33.6"	2.3672	1.5191	10.1	141.2	15.1	54.80	130.78	20.14	333.4	Cnc
25 Dez 2020	09h00m25.63s	+24 28' 46.3"	2.3655	1.5099	10.1	142.3	14.7	55.38	132.12	20.95	331.1	Cnc
26 Dez 2020	09h00m08.46s	+24 36' 07.2"	2.3638	1.5009	10.0	143.3	14.4	55.97	133.49	21.78	329.0	Cnc
27 Dez 2020	08h59m49.35s	+24 43' 35.8"	2.3622	1.4921	10.0	144.4	14.0	56.55	134.90	22.63	327.0	Cnc
28 Dez 2020	08h59m28.31s	+24 51' 11.9"	2.3605	1.4835	10.0	145.5	13.7	57.12	136.36	23.48	325.2	Cnc
29 Dez 2020	08h59m05.35s	+24 58' 55.1"	2.3589	1.4751	9.9	146.6	13.3	57.69	137.87	24.35	323.5	Cnc
30 Dez 2020	08h58m40.49s	+25 06' 45.2"	2.3572	1.4669	9.9	147.7	12.9	58.25	139.42	25.21	321.9	Cnc
31 Dez 2020	08h58m13.72s	+25 14' 41.7"	2.3556	1.4589	9.9	148.8	12.5	58.80	141.02	26.08	320.4	Cnc
1 Jan 2021	08h57m40.87s	+25 22' 44.3"	2.3539	1.4512	9.9	149.9	12.1	59.35	142.68	26.94	319.0	Cnc
2 Jan 2021	08h57m14.55s	+25 30' 52.6"	2.3523	1.4436	9.8	151.0	11.7	59.88	144.38	27.79	317.7	Cnc
3 Jan 2021	08h56m42.19s	+25 39' 06.0"	2.3506	1.4364	9.8	152.1	11.3	60.40	146.15	28.64	316.4	Cnc
4 Jan 2021	08h56m07.99s	+25 47' 24.3"	2.3490	1.4293	9.8	153.2	10.9	60.90	147.97	29.47	315.2	Cnc
5 Jan 2021	08h55m32.00s	+25 55' 46.9"	2.3474	1.4225	9.8	154.3	10.5	61.40	149.85	30.29	314.1	Cnc
6 Jan 2021	08h54m54.23s	+26 04' 13.2"	2.3457	1.4159	9.7	155.4	10.1	61.87	151.78	31.08	313.1	Cnc
7 Jan 2021	08h54m14.73s	+26 12' 42.9"	2.3441	1.4095	9.7	156.4	9.7	62.33	153.79	31.86	312.1	Cnc
8 Jan 2021	08h53m33.52s	+26 21' 15.4"	2.3425	1.4034	9.7	157.5	9.2	62.77	155.85	32.61	311.1	Cnc
9 Jan 2021	08h52m50.65s	+26 29' 50.1"	2.3409	1.3976	9.6	158.6	8.8	63.19	157.97	33.33	310.2	Cnc
10 Jan 2021	08h52m06.17s	+26 38' 26.4"	2.3393	1.3920	9.6	159.7	8.4	63.59	160.16	34.03	309.3	Cnc
11 Jan 2021	08h51m20.13s	+26 47' 03.7"	2.3377	1.3866	9.6	160.7	8.0	63.96	162.41	34.68	308.5	Cnc
12 Jan 2021	08h50m32.58s	+26 55' 41.6"	2.3361	1.3815	9.6	161.8	7.6	64.31	164.72	35.30	307.7	Cnc
13 Jan 2021	08h49m43.59s	+27 04' 19.2"	2.3345	1.3767	9.5	162.8	7.2	64.63	167.09	35.89	306.9	Cnc
14 Jan 2021	08h48m53.21s	+27 12' 56.0"	2.3329	1.3721	9.5	163.8	6.8	64.92	169.52	36.43	306.1	Cnc
15 Jan 2021	08h48m01.53s	+27 21' 31.4"	2.3313	1.3678	9.5	164.7	6.4	65.18	172.00	36.92	305.4	Cnc
16 Jan 2021	08h47m08.60s	+27 30' 04.8"	2.3297	1.3638	9.5	165.7	6.0	65.41	174.52	37.38	304.7	Cnc
17 Jan 2021	08h46m14.51s	+27 38' 35.4"	2.3281	1.3600	9.4	166.5	5.6	65.61	177.09	37.78	304.1	Cnc
18 Jan 2021	08h45m19.34s	+27 47' 02.8"	2.3265	1.3566	9.4	167.4	5.3	65.77	179.70	38.14	303.4	Cnc
19 Jan 2021	08h44m23.15s	+27 55' 26.1"	2.3250	1.3533	9.4	168.1	5.0	65.90	182.34	38.45	302.8	Cnc
20 Jan 2021	08h43m26.05s	+28 03' 44.9"	2.3234	1.3504	9.4	168.7	4.7	65.99	185.00	38.71	302.1	Cnc
21 Jan 2021	08h42m28.10s	+28 11' 58.6"	2.3218	1.3477	9.3	169.3	4.5	66.04	187.68	38.92	301.5	Cnc
22 Jan 2021	08h41m29.39s	+28 20' 06.5"	2.3203	1.3453	9.3	169.7	4.4	66.06	190.38	39.08	300.9	Cnc
23 Jan 2021	08h40m30.02s	+28 28' 08.0"	2.3187	1.3431	9.3	170.0	4.2	66.04	193.07	39.19	300.3	Cnc
24 Jan 2021	08h39m30.07s	+28 36' 02.6"	2.3172	1.3413	9.3	170.1	4.2	65.98	195.75	39.25	299.8	Cnc
25 Jan 2021	08h38m29.64s	+28 43' 49.7"	2.3156	1.3397	9.3	170.1	4.2	65.88	198.43	39.25	299.2	Cnc
26 Jan 2021	08h37m28.80s	+28 51' 28.9"	2.3141	1.3384	9.3	169.9	4.3	65.75	201.08	39.20	298.7	Cnc
27 Jan 2021	08h36m27.67s	+28 58' 59.6"	2.3125	1.3373	9.3	169.5	4.4	65.58	203.70	39.11	298.1	Cnc
28 Jan 2021	08h35m26.32s	+29 06' 21.2"	2.3110	1.3365	9.3	169.1	4.6	65.37	206.28	38.96	297.6	Cnc
29 Jan 2021	08h34m24.86s	+29 13' 33.4"	2.3095	1.3360	9.3	168.5	4.9	65.13	208.82	38.76	297.0	Cnc
30 Jan 2021	08h33m23.38s	+29 20' 35.7"	2.3080	1.3358	9.3	167.8	5.2	64.86	211.32	38.51	296.5	Cnc
31 Jan 2021	08h32m21.96s	+29 27' 27.6"	2.3065	1.3358	9.4	167.0	5.5	64.55	213.76	38.21	296.0	Cnc
1 Feb 2021	08h31m20.71s	+29 34' 08.8"	2.3049	1.3361	9.4	166.2	5.9	64.22	216.15	37.86	295.4	Cnc
2 Feb 2021	08h30m19.72s	+29 40' 38.9"	2.3034	1.3366	9.4	165.3	6.2	63.85	218.48	37.46	294.9	Cnc
3 Feb 2021	08h29m19.08s	+29 46' 57.6"	2.3019	1.3374	9.4	164.3	6.6	63.46	220.75	37.02	294.4	Cnc
4 Feb 2021	08h28m18.90s	+29 53' 04.4"	2.3004	1.3385	9.4	163.4	7.0	63.04	222.96	36.52	293.9	Cnc
5 Feb 2021	08h27m19.26s	+29 58' 59.2"	2.2989	1.3399	9.5	162.4	7.5	62.60	225.10	35.98	293.3	Cnc
6 Feb 2021	08h26m20.26s	+30 04' 41.6"	2.2975	1.3415	9.5	161.3	7.9	62.13	227.18	35.38	292.8	Cnc
7 Feb 2021	08h25m22.01s	+30 10' 11.3"	2.2960	1.3433	9.5	160.3	8.3	61.65	229.20	34.74	292.3	Cnc
8 Feb 2021	08h24m24.59s	+30 15' 28.2"	2.2945	1.3454	9.5	159.2	8.8	61.14	231.15	34.05	291.8	Cnc
9 Feb 2021	08h23m28.10s	+30 20' 32.0"	2.2930	1.3478	9.5	158.1	9.2	60.62	233.04	33.32	291.2	Cnc
10 Feb 2021	08h22m32.64s	+30 25' 22.6"	2.2916	1.3504	9.6	157.0	9.7	60.08	234.87	32.54	290.7	Cnc
11 Feb 2021	08h21m38.29s	+30 29' 59.9"	2.2901	1.3532	9.6	155.9	10.1	59.52	236.63	31.72	290.2	Cnc
12 Feb 2021	08h20m45.15s	+30 34' 23.7"	2.2887	1.3563	9.6	154.8	10.6	58.95	238.34	30.86	289.6	Cnc
13 Feb 2021	08h19m53.29s	+30 38' 33.9"	2.2872	1.3596	9.6	153.7	11.0	58.37	239.99	29.96	289.1	Cnc
14 Feb 2021	08h19m02.80s	+30 42' 30.6"	2.2858	1.3632	9.6	152.6	11.5	57.78	241.59	29.02	288.5	Cnc
15 Feb 2021	08h18m13.77s	+30 46' 13.7"	2.2843	1.3670	9.7	151.5	11.9	57.18	243.13	28.05	288.0	Cnc
16 Feb 2021	08h17m26.25s	+30 49' 43.1"	2.2829	1.3710	9.7	150.4	12.3	56.57	244.63	27.05	287.4	Cnc
17 Feb 2021	08h16m40.33s	+30 52' 59.1"	2.2815	1.3752	9.7	149.3	12.8	55.95	246.07	26.02	286.8	Cnc
18 Feb 2021	08h15m56.06s	+30 56' 01.5"	2.2801	1.3797	9.7	148.2	13.2	55.33	247.47	24.96	286.1	Cnc
19 Feb 2021	08h15m13.50s	+30 58' 50.4"	2.2787	1.3843	9.7	147.1	13.6	54.70	248.82	23.88	285.5	Cnc
20 Feb 2021	08h14m32.72s	+31 01' 26.1"	2.2772	1.3892	9.8	146.0	14.0	54.06	250.13	22.78	284.8	Cnc
21 Feb 2021	08h13m53.76s	+31 03' 48.5"	2.2758	1.3943	9.8	144.9	14.5	53.42	251.40	21.65	284.0	Cnc
22 Feb 2021	08h13m16.68s	+31 05' 57.8"	2.2745	1.3996	9.8	143.9	14.9	52.78	252.62	20.51	283.3	Cnc
23 Feb 2021	08h12m41.52s	+31 07' 54.1"	2.2731	1.4050	9.8	142.8	15.3	52.13	253.81	19.36	282.4	Cnc
24 Feb 2021	08h12m08.31s	+31 09' 37.7"	2.2717	1.4107	9.9	141.7	15.7	51.49	254.97	18.19	281.5	Cnc
25 Feb 2021	08h11m37.09s	+31 11' 08.6"	2.2703	1.4165	9.9	140.6	16.1	50.84	256.09	17.01	280.5	Cnc
26 Feb 2021	08h11m07.89s	+31 12' 27.1"	2.2689	1.4226	9.9	139.6	16.4	50.19	257.18	15.83	279.4	Cnc

## Ephemeride des Kleinplaneten (14) Irene

<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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27 Feb 2021	08h10m40.75s	+31 13' 33.3"	2.2676	1.4288	9.9	138.5	16.8	49.54	258.23	14.64	278.1	Cnc
28 Feb 2021	08h10m15.68s	+31 14' 27.4"	2.2662	1.4352	9.9	137.5	17.2	48.90	259.26	13.45	276.7	Cnc
1 Mar 2021	08h09m52.71s	+31 15' 09.6"	2.2649	1.4417	10.0	136.4	17.6	48.25	260.26	12.26	275.0	Cnc
2 Mar 2021	08h09m31.86s	+31 15' 40.1"	2.2635	1.4484	10.0	135.4	17.9	47.60	261.23	11.07	273.0	Cnc
3 Mar 2021	08h09m13.14s	+31 15' 59.1"	2.2622	1.4553	10.0	134.3	18.3	46.96	262.17	9.89	270.6	Cnc
4 Mar 2021	08h08m56.57s	+31 16' 06.8"	2.2608	1.4624	10.0	133.3	18.6	46.31	263.09	8.73	267.6	Cnc
5 Mar 2021	08h08m42.16s	+31 16' 03.4"	2.2595	1.4695	10.0	132.3	18.9	45.67	263.99	7.59	263.8	Cnc
6 Mar 2021	08h08m29.93s	+31 15' 49.0"	2.2582	1.4769	10.1	131.3	19.3	45.03	264.87	6.49	258.7	Cnc
7 Mar 2021	08h08m19.88s	+31 15' 23.9"	2.2569	1.4844	10.1	130.3	19.6	44.40	265.72	5.46	251.6	Cnc
8 Mar 2021	08h08m12.03s	+31 14' 48.3"	2.2556	1.4920	10.1	129.3	19.9	43.76	266.55	4.53	241.6	Cnc
9 Mar 2021	08h08m06.37s	+31 14' 02.3"	2.2543	1.4998	10.1	128.3	20.2	43.13	267.37	3.81	227.2	Cnc
10 Mar 2021	08h08m02.92s	+31 13' 06.2"	2.2530	1.5077	10.1	127.3	20.5	42.51	268.16	3.40	208.0	Cnc
11 Mar 2021	08h08m01.68s	+31 12' 00.1"	2.2517	1.5157	10.2	126.4	20.8	41.88	268.94	3.44	186.7	Cnc
12 Mar 2021	08h08m02.63s	+31 10' 44.2"	2.2504	1.5238	10.2	125.4	21.1	41.26	269.70	3.90	168.3	Cnc
13 Mar 2021	08h08m05.78s	+31 09' 18.7"	2.2492	1.5321	10.2	124.5	21.4	40.65	270.44	4.66	154.8	Cnc
14 Mar 2021	08h08m11.12s	+31 07' 43.9"	2.2479	1.5405	10.2	123.5	21.6	40.04	271.16	5.59	145.5	Cnc
15 Mar 2021	08h08m18.64s	+31 05' 59.8"	2.2466	1.5490	10.2	122.6	21.9	39.43	271.88	6.61	138.9	Cnc