



Die Bahn des Planeten Uranus 2018

# EPHEMERIDE 2018 – URANUS

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
1 Jan 2018	01h30m56.41s	+08 53' 52.0"	19.903	19.641	5.8	104.1	2.7	6.14	276.75	0.21	269.3	Psc
2 Jan 2018	01h30m56.15s	+08 53' 52.8"	19.903	19.658	5.8	103.0	2.8	5.54	277.52	0.10	297.6	Psc
3 Jan 2018	01h30m56.08s	+08 53' 54.7"	19.902	19.674	5.8	102.0	2.8	4.93	278.29	0.10	20.8	Psc
4 Jan 2018	01h30m56.21s	+08 53' 57.7"	19.902	19.691	5.8	101.0	2.8	4.33	279.05	0.21	48.2	Psc
5 Jan 2018	01h30m56.53s	+08 54' 01.9"	19.902	19.708	5.8	100.0	2.8	3.74	279.82	0.34	56.0	Psc
6 Jan 2018	01h30m57.05s	+08 54' 07.3"	19.902	19.725	5.8	99.0	2.8	3.14	280.59	0.47	59.5	Psc
7 Jan 2018	01h30m57.77s	+08 54' 13.7"	19.902	19.742	5.8	97.9	2.8	2.55	281.36	0.60	61.5	Psc
8 Jan 2018	01h30m58.68s	+08 54' 21.4"	19.902	19.759	5.8	96.9	2.8	1.96	282.13	0.73	62.8	Psc
9 Jan 2018	01h30m59.79s	+08 54' 30.2"	19.902	19.776	5.8	95.9	2.8	1.37	282.90	0.86	63.7	Psc
10 Jan 2018	01h31m01.10s	+08 54' 40.1"	19.902	19.793	5.8	94.9	2.8	0.78	283.67	0.99	64.4	Psc
11 Jan 2018	01h31m02.61s	+08 54' 51.2"	19.902	19.811	5.8	93.9	2.8	0.20	284.44	1.12	64.9	Psc
12 Jan 2018	01h31m04.31s	+08 55' 03.4"	19.901	19.828	5.8	92.9	2.8	-0.38	285.22	1.25	65.3	Psc
13 Jan 2018	01h31m06.21s	+08 55' 16.8"	19.901	19.845	5.8	91.9	2.8	-0.96	285.99	1.38	65.6	Psc
14 Jan 2018	01h31m08.30s	+08 55' 31.3"	19.901	19.862	5.8	90.9	2.8	-1.53	286.76	1.52	65.9	Psc
15 Jan 2018	01h31m10.59s	+08 55' 47.0"	19.901	19.879	5.8	89.9	2.8	-2.10	287.54	1.65	66.1	Psc
16 Jan 2018	01h31m13.08s	+08 56' 03.8"	19.901	19.896	5.8	88.8	2.8	-2.67	288.32	1.78	66.3	Psc
17 Jan 2018	01h31m15.77s	+08 56' 21.7"	19.901	19.914	5.8	87.8	2.8	-3.24	289.10	1.91	66.5	Psc
18 Jan 2018	01h31m18.64s	+08 56' 40.8"	19.901	19.931	5.8	86.8	2.8	-3.80	289.88	2.04	66.6	Psc
19 Jan 2018	01h31m21.72s	+08 57' 01.0"	19.901	19.948	5.8	85.8	2.8	-4.36	290.67	2.17	66.7	Psc
20 Jan 2018	01h31m24.98s	+08 57' 22.3"	19.901	19.965	5.8	84.8	2.8	-4.91	291.45	2.30	66.9	Psc
21 Jan 2018	01h31m28.44s	+08 57' 44.8"	19.901	19.982	5.8	83.8	2.8	-5.46	292.24	2.42	67.0	Psc
22 Jan 2018	01h31m32.09s	+08 58' 08.3"	19.900	19.999	5.8	82.8	2.8	-6.01	293.03	2.55	67.0	Psc
23 Jan 2018	01h31m35.93s	+08 58' 32.9"	19.900	20.016	5.8	81.8	2.8	-6.55	293.83	2.68	67.1	Psc
24 Jan 2018	01h31m39.96s	+08 58' 58.7"	19.900	20.033	5.8	80.8	2.8	-7.09	294.62	2.80	67.2	Psc
25 Jan 2018	01h31m44.18s	+08 59' 25.5"	19.900	20.050	5.8	79.8	2.8	-7.63	295.42	2.93	67.3	Psc
26 Jan 2018	01h31m48.59s	+08 59' 53.4"	19.900	20.067	5.8	78.8	2.8	-8.16	296.22	3.05	67.3	Psc
27 Jan 2018	01h31m53.18s	+09 00' 22.4"	19.900	20.084	5.8	77.8	2.8	-8.68	297.03	3.18	67.4	Psc
28 Jan 2018	01h31m57.96s	+09 00' 52.4"	19.900	20.101	5.8	76.8	2.8	-9.20	297.84	3.30	67.5	Psc
29 Jan 2018	01h32m02.91s	+09 01' 23.5"	19.900	20.118	5.8	75.8	2.8	-9.72	298.65	3.42	67.5	Psc
30 Jan 2018	01h32m08.05s	+09 01' 55.6"	19.900	20.134	5.8	74.9	2.7	-10.23	299.46	3.54	67.6	Psc
31 Jan 2018	01h32m13.37s	+09 02' 28.8"	19.899	20.151	5.8	73.9	2.7	-10.74	300.28	3.66	67.6	Psc
1 Feb 2018	01h32m18.87s	+09 03' 02.9"	19.899	20.167	5.8	72.9	2.7	-11.24	301.10	3.78	67.6	Psc
2 Feb 2018	01h32m24.55s	+09 03' 38.1"	19.899	20.184	5.8	71.9	2.7	-11.74	301.93	3.90	67.7	Psc
3 Feb 2018	01h32m30.40s	+09 04' 14.3"	19.899	20.200	5.8	70.9	2.7	-12.23	302.76	4.01	67.7	Psc
4 Feb 2018	01h32m36.43s	+09 04' 51.5"	19.899	20.216	5.8	69.9	2.7	-12.72	303.59	4.13	67.8	Psc
5 Feb 2018	01h32m42.63s	+09 05' 29.7"	19.899	20.232	5.8	68.9	2.6	-13.20	304.43	4.25	67.8	Psc
6 Feb 2018	01h32m49.00s	+09 06' 08.9"	19.899	20.248	5.8	67.9	2.6	-13.68	305.27	4.36	67.8	Psc
7 Feb 2018	01h32m55.55s	+09 06' 49.0"	19.899	20.264	5.8	67.0	2.6	-14.15	306.12	4.47	67.9	Psc
8 Feb 2018	01h33m02.26s	+09 07' 30.1"	19.899	20.280	5.8	66.0	2.6	-14.61	306.97	4.58	67.9	Psc
9 Feb 2018	01h33m09.14s	+09 08' 12.1"	19.898	20.295	5.8	65.0	2.6	-15.07	307.82	4.70	67.9	Psc
10 Feb 2018	01h33m16.19s	+09 08' 55.1"	19.898	20.311	5.8	64.0	2.6	-15.52	308.68	4.81	68.0	Psc
11 Feb 2018	01h33m23.41s	+09 09' 39.0"	19.898	20.326	5.8	63.0	2.5	-15.97	309.54	4.91	68.0	Psc
12 Feb 2018	01h33m30.78s	+09 10' 23.8"	19.898	20.342	5.8	62.1	2.5	-16.41	310.41	5.02	68.0	Psc
13 Feb 2018	01h33m38.32s	+09 11' 09.6"	19.898	20.357	5.8	61.1	2.5	-16.84	311.28	5.13	68.0	Psc
14 Feb 2018	01h33m46.02s	+09 11' 56.2"	19.898	20.372	5.8	60.1	2.5	-17.27	312.16	5.23	68.1	Psc
15 Feb 2018	01h33m53.88s	+09 12' 43.7"	19.898	20.387	5.9	59.1	2.4	-17.69	313.04	5.34	68.1	Psc
16 Feb 2018	01h34m01.89s	+09 13' 32.1"	19.898	20.401	5.9	58.1	2.4	-18.10	313.93	5.44	68.1	Psc
17 Feb 2018	01h34m10.06s	+09 14' 21.3"	19.898	20.416	5.9	57.2	2.4	-18.51	314.82	5.54	68.1	Psc
18 Feb 2018	01h34m18.38s	+09 15' 11.4"	19.897	20.430	5.9	56.2	2.4	-18.91	315.71	5.64	68.2	Psc
19 Feb 2018	01h34m26.85s	+09 16' 02.3"	19.897	20.445	5.9	55.2	2.3	-19.30	316.62	5.74	68.2	Psc
20 Feb 2018	01h34m35.46s	+09 16' 54.1"	19.897	20.459	5.9	54.3	2.3	-19.69	317.52	5.84	68.2	Psc
21 Feb 2018	01h34m44.22s	+09 17' 46.6"	19.897	20.473	5.9	53.3	2.3	-20.07	318.43	5.93	68.2	Psc
22 Feb 2018	01h34m53.13s	+09 18' 40.0"	19.897	20.486	5.9	52.3	2.3	-20.44	319.35	6.03	68.2	Psc
23 Feb 2018	01h35m02.17s	+09 19' 34.1"	19.897	20.500	5.9	51.4	2.2	-20.80	320.27	6.12	68.3	Psc
24 Feb 2018	01h35m11.35s	+09 20' 28.9"	19.897	20.513	5.9	50.4	2.2	-21.16	321.20	6.21	68.3	Psc
25 Feb 2018	01h35m20.67s	+09 21' 24.6"	19.897	20.526	5.9	49.4	2.2	-21.51	322.13	6.30	68.3	Psc
26 Feb 2018	01h35m30.12s	+09 22' 20.9"	19.897	20.539	5.9	48.5	2.1	-21.85	323.06	6.38	68.3	Psc
27 Feb 2018	01h35m39.70s	+09 23' 18.0"	19.897	20.552	5.9	47.5	2.1	-22.18	324.00	6.47	68.3	Psc
28 Feb 2018	01h35m49.41s	+09 24' 15.7"	19.896	20.565	5.9	46.5	2.1	-22.50	324.95	6.55	68.4	Psc
1 Mar 2018	01h35m59.25s	+09 25' 14.2"	19.896	20.577	5.9	45.6	2.0	-22.82	325.90	6.64	68.4	Psc
2 Mar 2018	01h36m09.22s	+09 26' 13.3"	19.896	20.589	5.9	44.6	2.0	-23.12	326.85	6.72	68.4	Psc
3 Mar 2018	01h36m19.30s	+09 27' 13.1"	19.896	20.601	5.9	43.7	2.0	-23.42	327.81	6.80	68.4	Psc
4 Mar 2018	01h36m29.50s	+09 28' 13.5"	19.896	20.613	5.9	42.7	1.9	-23.71	328.78	6.87	68.4	Psc
5 Mar 2018	01h36m39.83s	+09 29' 14.5"	19.896	20.625	5.9	41.7	1.9	-23.99	329.75	6.95	68.4	Psc
6 Mar 2018	01h36m50.27s	+09 30' 16.2"	19.896	20.636	5.9	40.8	1.9	-24.27	330.72	7.03	68.5	Psc
7 Mar 2018	01h37m00.82s	+09 31' 18.5"	19.896	20.647	5.9	39.8	1.8	-24.53	331.70	7.10	68.5	Psc
8 Mar 2018	01h37m11.48s	+09 32' 21.3"	19.896	20.658	5.9	38.9	1.8	-24.78	332.68	7.17	68.5	Psc
9 Mar 2018	01h37m22.26s	+09 33' 24.8"	19.895	20.669	5.9	37.9	1.8	-25.03	333.66	7.24	68.5	Psc
10 Mar 2018	01h37m33.14s	+09 34' 28.8"	19.895	20.680	5.9	37.0	1.7	-25.26	334.66	7.31	68.5	Psc
11 Mar 2018	01h37m44.13s	+09 35' 33.3"	19.895	20.690	5.9	36.0	1.7	-25.49	335.65	7.38	68.6	Psc
12 Mar 2018	01h37m55.22s	+09 36' 38.4"	19.895	20.700	5.9	35.1	1.6	-25.71	336.65	7.45	68.6	Psc
13 Mar 2018	01h38m06.41s	+09 37' 44.0"	19.895	20.710	5.9	34.1	1.6	-25.91	337.65	7.51	68.6	Psc
14 Mar 2018	01h38m17.69s	+09 38' 50.2"	19.895	20.719	5.9	33.2	1.6	-26.11	338.66	7.57	68.6	Psc
15 Mar 2018	01h38m29.08s	+09 39' 56.8"	19.895	20.729	5.9	32.2	1.5	-26.30	339.67	7.64	68.6	Psc

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
16 Mar 2018	01h38m40.55s	+09 41' 03.8"	19.895	20.738	5.9	31.3	1.5	-26.48	340.68	7.69	68.6	Psc
17 Mar 2018	01h38m52.12s	+09 42' 11.4"	19.895	20.747	5.9	30.3	1.4	-26.64	341.69	7.75	68.7	Psc
18 Mar 2018	01h39m03.77s	+09 43' 19.4"	19.894	20.756	5.9	29.4	1.4	-26.80	342.71	7.81	68.7	Psc
19 Mar 2018	01h39m15.51s	+09 44' 27.8"	19.894	20.764	5.9	28.5	1.4	-26.95	343.73	7.86	68.7	Psc
20 Mar 2018	01h39m27.32s	+09 45' 36.6"	19.894	20.772	5.9	27.5	1.3	-27.09	344.76	7.91	68.7	Psc
21 Mar 2018	01h39m39.22s	+09 46' 45.8"	19.894	20.780	5.9	26.6	1.3	-27.22	345.79	7.96	68.7	Psc
22 Mar 2018	01h39m51.20s	+09 47' 55.4"	19.894	20.788	5.9	25.6	1.2	-27.33	346.81	8.01	68.7	Psc
23 Mar 2018	01h40m03.24s	+09 49' 05.3"	19.894	20.795	5.9	24.7	1.2	-27.44	347.85	8.06	68.7	Psc
24 Mar 2018	01h40m15.36s	+09 50' 15.6"	19.894	20.802	5.9	23.8	1.2	-27.54	348.88	8.10	68.8	Psc
25 Mar 2018	01h40m27.55s	+09 51' 26.2"	19.894	20.809	5.9	22.8	1.1	-27.63	349.91	8.15	68.8	Psc
26 Mar 2018	01h40m39.80s	+09 52' 37.1"	19.894	20.816	5.9	21.9	1.1	-27.70	350.95	8.19	68.8	Psc
27 Mar 2018	01h40m52.11s	+09 53' 48.4"	19.893	20.822	5.9	20.9	1.0	-27.77	351.99	8.23	68.8	Psc
28 Mar 2018	01h41m04.49s	+09 54' 59.9"	19.893	20.828	5.9	20.0	1.0	-27.82	353.02	8.26	68.8	Psc
29 Mar 2018	01h41m16.92s	+09 56' 11.6"	19.893	20.834	5.9	19.1	0.9	-27.87	354.06	8.30	68.8	Psc
30 Mar 2018	01h41m29.41s	+09 57' 23.6"	19.893	20.840	5.9	18.1	0.9	-27.90	355.10	8.33	68.9	Psc
31 Mar 2018	01h41m41.95s	+09 58' 35.9"	19.893	20.845	5.9	17.2	0.9	-27.93	356.14	8.37	68.9	Psc
1 Apr 2018	01h41m54.54s	+09 59' 48.3"	19.893	20.850	5.9	16.3	0.8	-27.94	357.18	8.40	68.9	Psc
2 Apr 2018	01h42m07.17s	+10 01' 01.0"	19.893	20.855	5.9	15.4	0.8	-27.94	358.22	8.43	68.9	Psc
3 Apr 2018	01h42m19.86s	+10 02' 13.8"	19.893	20.859	5.9	14.4	0.7	-27.93	359.26	8.45	68.9	Psc
4 Apr 2018	01h42m32.58s	+10 03' 26.9"	19.893	20.864	5.9	13.5	0.7	-27.92	0.30	8.48	68.9	Psc
5 Apr 2018	01h42m45.35s	+10 04' 40.1"	19.892	20.868	5.9	12.6	0.6	-27.89	1.34	8.50	68.9	Psc
6 Apr 2018	01h42m58.16s	+10 05' 53.4"	19.892	20.871	5.9	11.6	0.6	-27.85	2.38	8.53	69.0	Psc
7 Apr 2018	01h43m11.00s	+10 07' 06.9"	19.892	20.875	5.9	10.7	0.5	-27.80	3.41	8.55	69.0	Psc
8 Apr 2018	01h43m23.87s	+10 08' 20.5"	19.892	20.878	5.9	9.8	0.5	-27.74	4.45	8.57	69.0	Psc
9 Apr 2018	01h43m36.78s	+10 09' 34.2"	19.892	20.881	5.9	8.9	0.4	-27.67	5.48	8.58	69.0	Psc
10 Apr 2018	01h43m49.71s	+10 10' 47.9"	19.892	20.884	5.9	7.9	0.4	-27.59	6.51	8.60	69.0	Psc
11 Apr 2018	01h44m02.67s	+10 12' 01.8"	19.892	20.886	5.9	7.0	0.4	-27.50	7.54	8.62	69.0	Psc
12 Apr 2018	01h44m15.65s	+10 13' 15.7"	19.892	20.888	5.9	6.1	0.3	-27.40	8.57	8.63	69.1	Psc
13 Apr 2018	01h44m28.66s	+10 14' 29.7"	19.892	20.890	5.9	5.2	0.3	-27.29	9.59	8.64	69.1	Psc
14 Apr 2018	01h44m41.68s	+10 15' 43.7"	19.891	20.891	5.9	4.3	0.2	-27.17	10.61	8.65	69.1	Psc
15 Apr 2018	01h44m54.71s	+10 16' 57.7"	19.891	20.893	5.9	3.3	0.2	-27.03	11.63	8.65	69.1	Psc
16 Apr 2018	01h45m07.76s	+10 18' 11.7"	19.891	20.894	5.9	2.4	0.1	-26.89	12.65	8.66	69.1	Psc
17 Apr 2018	01h45m20.81s	+10 19' 25.7"	19.891	20.895	5.9	1.5	0.1	-26.74	13.66	8.66	69.1	Psc
18 Apr 2018	01h45m33.87s	+10 20' 39.6"	19.891	20.895	5.9	0.7	0.0	-26.58	14.67	8.66	69.1	Psc
19 Apr 2018	01h45m46.94s	+10 21' 53.5"	19.891	20.895	5.9	0.6	0.0	-26.41	15.67	8.66	69.2	Psc
20 Apr 2018	01h46m00.00s	+10 23' 07.3"	19.891	20.895	5.9	1.4	0.1	-26.23	16.68	8.66	69.2	Psc
21 Apr 2018	01h46m13.06s	+10 24' 21.1"	19.891	20.895	5.9	2.3	0.1	-26.04	17.67	8.66	69.2	Psc
22 Apr 2018	01h46m26.12s	+10 25' 34.7"	19.891	20.894	5.9	3.2	0.2	-25.84	18.67	8.65	69.2	Psc
23 Apr 2018	01h46m39.17s	+10 26' 48.3"	19.891	20.893	5.9	4.1	0.2	-25.63	19.66	8.64	69.2	Psc
24 Apr 2018	01h46m52.21s	+10 28' 01.7"	19.890	20.892	5.9	5.0	0.3	-25.42	20.64	8.63	69.2	Psc
25 Apr 2018	01h47m05.23s	+10 29' 14.9"	19.890	20.891	5.9	5.9	0.3	-25.19	21.62	8.62	69.2	Psc
26 Apr 2018	01h47m18.24s	+10 30' 28.0"	19.890	20.889	5.9	6.8	0.3	-24.95	22.60	8.61	69.3	Psc
27 Apr 2018	01h47m31.24s	+10 31' 40.9"	19.890	20.887	5.9	7.7	0.4	-24.71	23.57	8.59	69.3	Psc
28 Apr 2018	01h47m44.21s	+10 32' 53.7"	19.890	20.885	5.9	8.7	0.4	-24.46	24.54	8.58	69.3	Ari
29 Apr 2018	01h47m57.16s	+10 34' 06.2"	19.890	20.882	5.9	9.6	0.5	-24.19	25.50	8.56	69.3	Ari
30 Apr 2018	01h48m10.08s	+10 35' 18.6"	19.890	20.879	5.9	10.5	0.5	-23.92	26.46	8.54	69.3	Ari
1 Mai 2018	01h48m22.98s	+10 36' 30.7"	19.890	20.876	5.9	11.4	0.6	-23.64	27.42	8.52	69.3	Ari
2 Mai 2018	01h48m35.85s	+10 37' 42.6"	19.890	20.873	5.9	12.3	0.6	-23.35	28.36	8.50	69.3	Ari
3 Mai 2018	01h48m48.69s	+10 38' 54.2"	19.889	20.869	5.9	13.2	0.7	-23.06	29.31	8.47	69.4	Ari
4 Mai 2018	01h49m01.49s	+10 40' 05.6"	19.889	20.865	5.9	14.1	0.7	-22.75	30.24	8.45	69.4	Ari
5 Mai 2018	01h49m14.26s	+10 41' 16.7"	19.889	20.861	5.9	15.0	0.8	-22.44	31.18	8.42	69.4	Ari
6 Mai 2018	01h49m26.99s	+10 42' 27.5"	19.889	20.857	5.9	16.0	0.8	-22.12	32.11	8.39	69.4	Ari
7 Mai 2018	01h49m39.67s	+10 43' 38.0"	19.889	20.852	5.9	16.9	0.8	-21.79	33.03	8.36	69.4	Ari
8 Mai 2018	01h49m52.31s	+10 44' 48.2"	19.889	20.847	5.9	17.8	0.9	-21.46	33.95	8.33	69.4	Ari
9 Mai 2018	01h50m04.91s	+10 45' 58.1"	19.889	20.842	5.9	18.7	0.9	-21.12	34.86	8.30	69.5	Ari
10 Mai 2018	01h50m17.45s	+10 47' 07.6"	19.889	20.837	5.9	19.6	1.0	-20.76	35.77	8.26	69.5	Ari
11 Mai 2018	01h50m29.95s	+10 48' 16.8"	19.889	20.831	5.9	20.5	1.0	-20.41	36.67	8.23	69.5	Ari
12 Mai 2018	01h50m42.39s	+10 49' 25.6"	19.888	20.825	5.9	21.4	1.1	-20.04	37.56	8.19	69.5	Ari
13 Mai 2018	01h50m54.77s	+10 50' 34.1"	19.888	20.819	5.9	22.3	1.1	-19.67	38.45	8.15	69.5	Ari
14 Mai 2018	01h51m07.10s	+10 51' 42.1"	19.888	20.813	5.9	23.3	1.1	-19.29	39.34	8.11	69.5	Ari
15 Mai 2018	01h51m19.36s	+10 52' 49.7"	19.888	20.806	5.9	24.2	1.2	-18.90	40.22	8.06	69.5	Ari
16 Mai 2018	01h51m31.56s	+10 53' 56.9"	19.888	20.799	5.9	25.1	1.2	-18.51	41.10	8.02	69.6	Ari
17 Mai 2018	01h51m43.68s	+10 55' 03.7"	19.888	20.792	5.9	26.0	1.3	-18.11	41.97	7.97	69.6	Ari
18 Mai 2018	01h51m55.74s	+10 56' 10.0"	19.888	20.784	5.9	26.9	1.3	-17.71	42.83	7.92	69.6	Ari
19 Mai 2018	01h52m07.73s	+10 57' 15.9"	19.888	20.777	5.9	27.8	1.4	-17.30	43.70	7.87	69.6	Ari
20 Mai 2018	01h52m19.64s	+10 58' 21.3"	19.888	20.769	5.9	28.7	1.4	-16.88	44.55	7.82	69.6	Ari
21 Mai 2018	01h52m31.47s	+10 59' 26.2"	19.887	20.761	5.9	29.6	1.4	-16.45	45.40	7.76	69.6	Ari
22 Mai 2018	01h52m43.23s	+11 00' 30.6"	19.887	20.752	5.9	30.5	1.5	-16.02	46.25	7.71	69.6	Ari
23 Mai 2018	01h52m54.90s	+11 01' 34.4"	19.887	20.744	5.9	31.5	1.5	-15.59	47.09	7.65	69.6	Ari
24 Mai 2018	01h53m06.48s	+11 02' 37.8"	19.887	20.735	5.9	32.4	1.6	-15.15	47.93	7.59	69.7	Ari
25 Mai 2018	01h53m17.99s	+11 03' 40.6"	19.887	20.726	5.9	33.3	1.6	-14.70	48.76	7.53	69.7	Ari
26 Mai 2018	01h53m29.40s	+11 04' 42.9"	19.887	20.717	5.9	34.2	1.6	-14.25	49.59	7.47	69.7	Ari
27 Mai 2018	01h53m40.72s	+11 05' 44.6"	19.887	20.707	5.9	35.1	1.7	-13.79	50.41	7.41	69.7	Ari
28 Mai 2018	01h53m51.95s	+11 06' 45.7"	19.887	20.697	5.9	36.0	1.7	-13.32	51.23	7.35	69.7	Ari

# EPHEMERIDE 2018 – URANUS

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
29 Mai 2018	01h54m03.08s	+11 07' 46.3"	19.887	20.687	5.9	36.9	1.8	-12.86	52.04	7.28	69.7	Ari
30 Mai 2018	01h54m14.12s	+11 08' 46.3"	19.886	20.677	5.9	37.8	1.8	-12.38	52.85	7.22	69.8	Ari
31 Mai 2018	01h54m25.06s	+11 09' 45.6"	19.886	20.667	5.9	38.7	1.8	-11.90	53.66	7.15	69.8	Ari
1 Jun 2018	01h54m35.89s	+11 10' 44.4"	19.886	20.656	5.9	39.7	1.9	-11.42	54.46	7.08	69.8	Ari
2 Jun 2018	01h54m46.63s	+11 11' 42.6"	19.886	20.646	5.9	40.6	1.9	-10.93	55.26	7.01	69.8	Ari
3 Jun 2018	01h54m57.26s	+11 12' 40.1"	19.886	20.635	5.9	41.5	1.9	-10.44	56.05	6.94	69.8	Ari
4 Jun 2018	01h55m07.78s	+11 13' 37.0"	19.886	20.623	5.9	42.4	2.0	-9.94	56.85	6.87	69.8	Ari
5 Jun 2018	01h55m18.19s	+11 14' 33.2"	19.886	20.612	5.9	43.3	2.0	-9.44	57.63	6.79	69.8	Ari
6 Jun 2018	01h55m28.49s	+11 15' 28.8"	19.886	20.600	5.9	44.2	2.0	-8.93	58.42	6.72	69.9	Ari
7 Jun 2018	01h55m38.68s	+11 16' 23.7"	19.886	20.589	5.9	45.1	2.1	-8.42	59.20	6.64	69.9	Ari
8 Jun 2018	01h55m48.75s	+11 17' 17.9"	19.885	20.577	5.9	46.0	2.1	-7.91	59.97	6.56	69.9	Ari
9 Jun 2018	01h55m58.70s	+11 18' 11.4"	19.885	20.564	5.9	46.9	2.1	-7.39	60.75	6.48	69.9	Ari
10 Jun 2018	01h56m08.53s	+11 19' 04.3"	19.885	20.552	5.9	47.9	2.2	-6.87	61.52	6.40	69.9	Ari
11 Jun 2018	01h56m18.24s	+11 19' 56.4"	19.885	20.540	5.9	48.8	2.2	-6.34	62.29	6.32	69.9	Ari
12 Jun 2018	01h56m27.82s	+11 20' 47.7"	19.885	20.527	5.9	49.7	2.2	-5.81	63.05	6.23	69.9	Ari
13 Jun 2018	01h56m37.28s	+11 21' 38.4"	19.885	20.514	5.9	50.6	2.3	-5.28	63.81	6.15	69.9	Ari
14 Jun 2018	01h56m46.61s	+11 22' 28.3"	19.885	20.501	5.9	51.5	2.3	-4.74	64.57	6.06	70.0	Ari
15 Jun 2018	01h56m55.80s	+11 23' 17.4"	19.885	20.488	5.9	52.4	2.3	-4.20	65.33	5.97	70.0	Ari
16 Jun 2018	01h57m04.86s	+11 24' 05.8"	19.885	20.474	5.9	53.4	2.3	-3.66	66.09	5.88	70.0	Ari
17 Jun 2018	01h57m13.78s	+11 24' 53.4"	19.884	20.461	5.9	54.3	2.4	-3.11	66.84	5.79	70.0	Ari
18 Jun 2018	01h57m22.57s	+11 25' 40.2"	19.884	20.447	5.9	55.2	2.4	-2.56	67.59	5.70	70.0	Ari
19 Jun 2018	01h57m31.22s	+11 26' 26.2"	19.884	20.433	5.9	56.1	2.4	-2.01	68.34	5.60	70.0	Ari
20 Jun 2018	01h57m39.72s	+11 27' 11.4"	19.884	20.419	5.9	57.0	2.5	-1.45	69.09	5.51	70.0	Ari
21 Jun 2018	01h57m48.09s	+11 27' 55.8"	19.884	20.405	5.9	57.9	2.5	-0.89	69.83	5.41	70.1	Ari
22 Jun 2018	01h57m56.31s	+11 28' 39.4"	19.884	20.390	5.8	58.9	2.5	-0.33	70.57	5.32	70.1	Ari
23 Jun 2018	01h58m04.38s	+11 29' 22.1"	19.884	20.376	5.8	59.8	2.5	0.23	71.32	5.22	70.1	Ari
24 Jun 2018	01h58m12.30s	+11 30' 04.0"	19.884	20.361	5.8	60.7	2.6	0.80	72.06	5.12	70.1	Ari
25 Jun 2018	01h58m20.08s	+11 30' 45.1"	19.884	20.347	5.8	61.6	2.6	1.37	72.80	5.02	70.1	Ari
26 Jun 2018	01h58m27.71s	+11 31' 25.3"	19.883	20.332	5.8	62.5	2.6	1.94	73.54	4.92	70.1	Ari
27 Jun 2018	01h58m35.18s	+11 32' 04.7"	19.883	20.317	5.8	63.5	2.6	2.51	74.28	4.82	70.2	Ari
28 Jun 2018	01h58m42.50s	+11 32' 43.2"	19.883	20.302	5.8	64.4	2.6	3.09	75.01	4.72	70.2	Ari
29 Jun 2018	01h58m49.67s	+11 33' 20.8"	19.883	20.286	5.8	65.3	2.7	3.67	75.75	4.61	70.2	Ari
30 Jun 2018	01h58m56.68s	+11 33' 57.6"	19.883	20.271	5.8	66.2	2.7	4.25	76.49	4.51	70.2	Ari
1 Jul 2018	01h59m03.53s	+11 34' 33.5"	19.883	20.256	5.8	67.1	2.7	4.83	77.23	4.40	70.2	Ari
2 Jul 2018	01h59m10.22s	+11 35' 08.5"	19.883	20.240	5.8	68.1	2.7	5.42	77.96	4.30	70.2	Ari
3 Jul 2018	01h59m16.75s	+11 35' 42.6"	19.883	20.224	5.8	69.0	2.7	6.00	78.70	4.19	70.3	Ari
4 Jul 2018	01h59m23.12s	+11 36' 15.8"	19.883	20.209	5.8	69.9	2.8	6.59	79.44	4.08	70.3	Ari
5 Jul 2018	01h59m29.32s	+11 36' 48.0"	19.882	20.193	5.8	70.8	2.8	7.18	80.17	3.97	70.3	Ari
6 Jul 2018	01h59m35.36s	+11 37' 19.4"	19.882	20.177	5.8	71.8	2.8	7.77	80.91	3.86	70.3	Ari
7 Jul 2018	01h59m41.23s	+11 37' 49.9"	19.882	20.161	5.8	72.7	2.8	8.36	81.65	3.75	70.3	Ari
8 Jul 2018	01h59m46.93s	+11 38' 19.4"	19.882	20.145	5.8	73.6	2.8	8.96	82.39	3.64	70.3	Ari
9 Jul 2018	01h59m52.46s	+11 38' 48.0"	19.882	20.128	5.8	74.6	2.8	9.55	83.13	3.53	70.4	Ari
10 Jul 2018	01h59m57.82s	+11 39' 15.6"	19.882	20.112	5.8	75.5	2.8	10.15	83.87	3.41	70.4	Ari
11 Jul 2018	02h00m03.01s	+11 39' 42.3"	19.882	20.096	5.8	76.4	2.8	10.74	84.62	3.30	70.4	Ari
12 Jul 2018	02h00m08.02s	+11 40' 08.1"	19.882	20.079	5.8	77.4	2.9	11.34	85.36	3.18	70.4	Ari
13 Jul 2018	02h00m12.86s	+11 40' 32.8"	19.882	20.063	5.8	78.3	2.9	11.94	86.11	3.07	70.5	Ari
14 Jul 2018	02h00m17.52s	+11 40' 56.6"	19.881	20.046	5.8	79.2	2.9	12.54	86.86	2.95	70.5	Ari
15 Jul 2018	02h00m22.00s	+11 41' 19.5"	19.881	20.030	5.8	80.2	2.9	13.14	87.61	2.83	70.5	Ari
16 Jul 2018	02h00m26.30s	+11 41' 41.3"	19.881	20.013	5.8	81.1	2.9	13.74	88.36	2.71	70.5	Ari
17 Jul 2018	02h00m30.42s	+11 42' 02.2"	19.881	19.997	5.8	82.0	2.9	14.34	89.11	2.59	70.6	Ari
18 Jul 2018	02h00m34.36s	+11 42' 22.1"	19.881	19.980	5.8	83.0	2.9	14.95	89.87	2.47	70.6	Ari
19 Jul 2018	02h00m38.12s	+11 42' 41.0"	19.881	19.963	5.8	83.9	2.9	15.55	90.63	2.35	70.6	Ari
20 Jul 2018	02h00m41.69s	+11 42' 58.9"	19.881	19.946	5.8	84.8	2.9	16.15	91.40	2.23	70.7	Ari
21 Jul 2018	02h00m45.09s	+11 43' 15.8"	19.881	19.930	5.8	85.8	2.9	16.75	92.16	2.11	70.7	Ari
22 Jul 2018	02h00m48.30s	+11 43' 31.8"	19.881	19.913	5.8	86.7	2.9	17.35	92.94	1.99	70.8	Ari
23 Jul 2018	02h00m51.33s	+11 43' 46.7"	19.880	19.896	5.8	87.7	2.9	17.96	93.71	1.87	70.8	Ari
24 Jul 2018	02h00m54.17s	+11 44' 00.6"	19.880	19.879	5.8	88.6	2.9	18.56	94.49	1.75	70.9	Ari
25 Jul 2018	02h00m56.83s	+11 44' 13.6"	19.880	19.862	5.8	89.6	2.9	19.16	95.27	1.63	71.0	Ari
26 Jul 2018	02h00m59.30s	+11 44' 25.5"	19.880	19.845	5.8	90.5	2.9	19.76	96.06	1.51	71.1	Ari
27 Jul 2018	02h01m01.59s	+11 44' 36.4"	19.880	19.829	5.8	91.4	2.9	20.36	96.85	1.38	71.2	Ari
28 Jul 2018	02h01m03.69s	+11 44' 46.4"	19.880	19.812	5.8	92.4	2.9	20.96	97.64	1.26	71.3	Ari
29 Jul 2018	02h01m05.61s	+11 44' 55.3"	19.880	19.795	5.8	93.3	2.9	21.56	98.45	1.14	71.4	Ari
30 Jul 2018	02h01m07.33s	+11 45' 03.2"	19.880	19.778	5.8	94.3	2.9	22.16	99.25	1.02	71.6	Ari
31 Jul 2018	02h01m08.87s	+11 45' 10.1"	19.880	19.761	5.8	95.2	2.9	22.75	100.06	0.89	71.8	Ari
1 Aug 2018	02h01m10.23s	+11 45' 16.0"	19.879	19.745	5.8	96.2	2.9	23.35	100.88	0.77	72.1	Ari
2 Aug 2018	02h01m11.39s	+11 45' 20.9"	19.879	19.728	5.8	97.1	2.9	23.94	101.70	0.65	72.4	Ari
3 Aug 2018	02h01m12.37s	+11 45' 24.8"	19.879	19.711	5.8	98.1	2.9	24.54	102.53	0.52	73.0	Ari
4 Aug 2018	02h01m13.16s	+11 45' 27.7"	19.879	19.694	5.8	99.0	2.9	25.13	103.37	0.40	73.9	Ari
5 Aug 2018	02h01m13.76s	+11 45' 29.6"	19.879	19.678	5.8	100.0	2.9	25.72	104.21	0.27	75.6	Ari
6 Aug 2018	02h01m14.17s	+11 45' 30.4"	19.879	19.661	5.8	100.9	2.9	26.30	105.06	0.15	80.1	Ari
7 Aug 2018	02h01m14.39s	+11 45' 30.3"	19.879	19.645	5.8	101.9	2.9	26.89	105.92	0.04	117.9	Ari
8 Aug 2018	02h01m14.42s	+11 45' 29.1"	19.879	19.628	5.8	102.9	2.9	27.47	106.78	0.10	235.5	Ari
9 Aug 2018	02h01m14.26s	+11 45' 26.9"	19.879	19.612	5.8	103.8	2.8	28.05	107.65	0.23	243.5	Ari
10 Aug 2018	02h01m13.91s	+11 45' 23.7"	19.878	19.596	5.8	104.8	2.8	28.63	108.53	0.35	245.8	Ari

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
11 Aug 2018	02h01m13.37s	+11 45' 19.5"	19.878	19.579	5.8	105.7	2.8	29.20	109.42	0.47	246.9	Ari
12 Aug 2018	02h01m12.64s	+11 45' 14.3"	19.878	19.563	5.8	106.7	2.8	29.78	110.32	0.60	247.6	Ari
13 Aug 2018	02h01m11.72s	+11 45' 08.1"	19.878	19.547	5.8	107.7	2.8	30.35	111.22	0.72	248.0	Ari
14 Aug 2018	02h01m10.62s	+11 45' 00.9"	19.878	19.531	5.8	108.6	2.8	30.91	112.14	0.85	248.3	Ari
15 Aug 2018	02h01m09.33s	+11 44' 52.6"	19.878	19.515	5.8	109.6	2.8	31.47	113.06	0.97	248.6	Ari
16 Aug 2018	02h01m07.85s	+11 44' 43.4"	19.878	19.499	5.8	110.6	2.7	32.03	113.99	1.09	248.7	Ari
17 Aug 2018	02h01m06.18s	+11 44' 33.2"	19.878	19.484	5.8	111.5	2.7	32.59	114.94	1.21	248.9	Ari
18 Aug 2018	02h01m04.33s	+11 44' 22.0"	19.878	19.468	5.7	112.5	2.7	33.14	115.89	1.33	249.0	Ari
19 Aug 2018	02h01m02.30s	+11 44' 09.8"	19.877	19.452	5.7	113.5	2.7	33.68	116.86	1.45	249.1	Ari
20 Aug 2018	02h01m00.09s	+11 43' 56.7"	19.877	19.437	5.7	114.5	2.7	34.23	117.83	1.57	249.2	Ari
21 Aug 2018	02h00m57.69s	+11 43' 42.5"	19.877	19.422	5.7	115.4	2.6	34.76	118.82	1.69	249.2	Ari
22 Aug 2018	02h00m55.11s	+11 43' 27.5"	19.877	19.407	5.7	116.4	2.6	35.29	119.82	1.81	249.3	Ari
23 Aug 2018	02h00m52.35s	+11 43' 11.4"	19.877	19.392	5.7	117.4	2.6	35.82	120.83	1.93	249.3	Ari
24 Aug 2018	02h00m49.42s	+11 42' 54.4"	19.877	19.377	5.7	118.4	2.6	36.34	121.85	2.04	249.4	Ari
25 Aug 2018	02h00m46.31s	+11 42' 36.5"	19.877	19.362	5.7	119.3	2.5	36.86	122.88	2.16	249.4	Ari
26 Aug 2018	02h00m43.02s	+11 42' 17.7"	19.877	19.347	5.7	120.3	2.5	37.37	123.93	2.27	249.5	Ari
27 Aug 2018	02h00m39.56s	+11 41' 57.9"	19.877	19.333	5.7	121.3	2.5	37.87	124.99	2.39	249.5	Ari
28 Aug 2018	02h00m35.92s	+11 41' 37.2"	19.876	19.319	5.7	122.3	2.5	38.37	126.06	2.50	249.5	Ari
29 Aug 2018	02h00m32.11s	+11 41' 15.5"	19.876	19.305	5.7	123.3	2.4	38.86	127.15	2.61	249.6	Ari
30 Aug 2018	02h00m28.13s	+11 40' 53.0"	19.876	19.291	5.7	124.2	2.4	39.34	128.25	2.72	249.6	Ari
31 Aug 2018	02h00m23.98s	+11 40' 29.6"	19.876	19.277	5.7	125.2	2.4	39.82	129.36	2.84	249.6	Ari
1 Sep 2018	02h00m19.66s	+11 40' 05.2"	19.876	19.263	5.7	126.2	2.3	40.29	130.49	2.95	249.6	Ari
2 Sep 2018	02h00m15.18s	+11 39' 40.0"	19.876	19.250	5.7	127.2	2.3	40.75	131.63	3.05	249.6	Ari
3 Sep 2018	02h00m10.53s	+11 39' 13.9"	19.876	19.236	5.7	128.2	2.3	41.20	132.79	3.16	249.7	Ari
4 Sep 2018	02h00m05.71s	+11 38' 47.0"	19.876	19.223	5.7	129.2	2.3	41.65	133.96	3.27	249.7	Ari
5 Sep 2018	02h00m00.73s	+11 38' 19.1"	19.875	19.210	5.7	130.2	2.2	42.08	135.15	3.38	249.7	Ari
6 Sep 2018	01h59m55.60s	+11 37' 50.5"	19.875	19.197	5.7	131.2	2.2	42.51	136.35	3.48	249.7	Ari
7 Sep 2018	01h59m50.30s	+11 37' 21.0"	19.875	19.185	5.7	132.1	2.2	42.92	137.57	3.58	249.7	Ari
8 Sep 2018	01h59m44.85s	+11 36' 50.6"	19.875	19.173	5.7	133.1	2.1	43.33	138.80	3.69	249.7	Ari
9 Sep 2018	01h59m39.24s	+11 36' 19.4"	19.875	19.160	5.7	134.1	2.1	43.73	140.05	3.79	249.7	Ari
10 Sep 2018	01h59m33.48s	+11 35' 47.4"	19.875	19.148	5.7	135.1	2.0	44.11	141.31	3.88	249.7	Ari
11 Sep 2018	01h59m27.57s	+11 35' 14.7"	19.875	19.137	5.7	136.1	2.0	44.49	142.59	3.98	249.8	Ari
12 Sep 2018	01h59m21.51s	+11 34' 41.1"	19.875	19.125	5.7	137.1	2.0	44.85	143.89	4.08	249.8	Ari
13 Sep 2018	01h59m15.31s	+11 34' 06.8"	19.875	19.114	5.7	138.1	1.9	45.21	145.20	4.17	249.8	Ari
14 Sep 2018	01h59m08.96s	+11 33' 31.7"	19.874	19.103	5.7	139.1	1.9	45.55	146.52	4.26	249.8	Ari
15 Sep 2018	01h59m02.48s	+11 32' 55.8"	19.874	19.092	5.7	140.1	1.9	45.88	147.86	4.35	249.8	Ari
16 Sep 2018	01h58m55.86s	+11 32' 19.3"	19.874	19.081	5.7	141.1	1.8	46.19	149.22	4.44	249.8	Ari
17 Sep 2018	01h58m49.11s	+11 31' 42.0"	19.874	19.071	5.7	142.1	1.8	46.50	150.59	4.53	249.8	Ari
18 Sep 2018	01h58m42.23s	+11 31' 04.1"	19.874	19.061	5.7	143.1	1.7	46.79	151.97	4.61	249.8	Ari
19 Sep 2018	01h58m35.22s	+11 30' 25.4"	19.874	19.051	5.7	144.2	1.7	47.06	153.37	4.70	249.8	Ari
20 Sep 2018	01h58m28.08s	+11 29' 46.1"	19.874	19.041	5.7	145.2	1.7	47.33	154.78	4.78	249.8	Ari
21 Sep 2018	01h58m20.82s	+11 29' 06.2"	19.874	19.032	5.7	146.2	1.6	47.58	156.20	4.86	249.8	Ari
22 Sep 2018	01h58m13.45s	+11 28' 25.6"	19.874	19.023	5.7	147.2	1.6	47.81	157.64	4.93	249.8	Ari
23 Sep 2018	01h58m05.95s	+11 27' 44.4"	19.873	19.014	5.7	148.2	1.5	48.03	159.09	5.01	249.8	Ari
24 Sep 2018	01h57m58.35s	+11 27' 02.6"	19.873	19.005	5.7	149.2	1.5	48.24	160.55	5.08	249.8	Ari
25 Sep 2018	01h57m50.63s	+11 26' 20.2"	19.873	18.997	5.7	150.2	1.4	48.43	162.03	5.15	249.8	Ari
26 Sep 2018	01h57m42.81s	+11 25' 37.2"	19.873	18.988	5.7	151.2	1.4	48.60	163.51	5.22	249.8	Ari
27 Sep 2018	01h57m34.88s	+11 24' 53.7"	19.873	18.980	5.7	152.2	1.3	48.76	165.00	5.29	249.8	Ari
28 Sep 2018	01h57m26.85s	+11 24' 09.6"	19.873	18.973	5.7	153.3	1.3	48.90	166.50	5.35	249.8	Ari
29 Sep 2018	01h57m18.72s	+11 23' 25.1"	19.873	18.965	5.7	154.3	1.3	49.03	168.01	5.42	249.8	Ari
30 Sep 2018	01h57m10.49s	+11 22' 40.0"	19.873	18.958	5.7	155.3	1.2	49.14	169.53	5.48	249.8	Ari
1 Okt 2018	01h57m02.18s	+11 21' 54.4"	19.873	18.952	5.7	156.3	1.2	49.23	171.05	5.54	249.8	Ari
2 Okt 2018	01h56m53.77s	+11 21' 08.4"	19.872	18.945	5.7	157.3	1.1	49.31	172.58	5.60	249.8	Ari
3 Okt 2018	01h56m45.28s	+11 20' 21.9"	19.872	18.939	5.7	158.3	1.1	49.37	174.12	5.65	249.8	Ari
4 Okt 2018	01h56m36.71s	+11 19' 34.9"	19.872	18.933	5.7	159.4	1.0	49.41	175.65	5.70	249.8	Ari
5 Okt 2018	01h56m28.05s	+11 18' 47.6"	19.872	18.927	5.7	160.4	1.0	49.44	177.19	5.75	249.8	Ari
6 Okt 2018	01h56m19.33s	+11 17' 59.8"	19.872	18.922	5.7	161.4	0.9	49.45	178.73	5.80	249.8	Ari
7 Okt 2018	01h56m10.53s	+11 17' 11.7"	19.872	18.917	5.7	162.4	0.9	49.44	180.27	5.85	249.8	Ari
8 Okt 2018	01h56m01.66s	+11 16' 23.2"	19.872	18.912	5.7	163.5	0.8	49.41	181.82	5.89	249.8	Ari
9 Okt 2018	01h55m52.73s	+11 15' 34.4"	19.872	18.907	5.7	164.5	0.8	49.37	183.36	5.93	249.8	Ari
10 Okt 2018	01h55m43.74s	+11 14' 45.3"	19.872	18.903	5.7	165.5	0.7	49.31	184.89	5.97	249.8	Ari
11 Okt 2018	01h55m34.70s	+11 13' 55.8"	19.871	18.899	5.7	166.5	0.7	49.24	186.43	6.00	249.8	Ari
12 Okt 2018	01h55m25.60s	+11 13' 06.1"	19.871	18.895	5.7	167.6	0.6	49.14	187.96	6.03	249.8	Ari
13 Okt 2018	01h55m16.46s	+11 12' 16.2"	19.871	18.892	5.7	168.6	0.6	49.04	189.48	6.06	249.8	Ari
14 Okt 2018	01h55m07.27s	+11 11' 26.0"	19.871	18.889	5.7	169.6	0.5	48.91	191.00	6.09	249.8	Ari
15 Okt 2018	01h54m58.05s	+11 10' 35.6"	19.871	18.886	5.7	170.7	0.5	48.77	192.51	6.11	249.8	Ari
16 Okt 2018	01h54m48.79s	+11 09' 45.1"	19.871	18.884	5.7	171.7	0.4	48.61	194.01	6.14	249.8	Ari
17 Okt 2018	01h54m39.50s	+11 08' 54.4"	19.871	18.882	5.7	172.7	0.4	48.43	195.50	6.15	249.8	Ari
18 Okt 2018	01h54m30.18s	+11 08' 03.5"	19.871	18.880	5.7	173.7	0.3	48.24	196.99	6.17	249.8	Ari
19 Okt 2018	01h54m20.84s	+11 07' 12.5"	19.871	18.878	5.7	174.8	0.3	48.04	198.46	6.18	249.8	Ari
20 Okt 2018	01h54m11.48s	+11 06' 21.5"	19.870	18.877	5.7	175.8	0.2	47.82	199.93	6.20	249.8	Ari
21 Okt 2018	01h54m02.10s	+11 05' 30.3"	19.870	18.876	5.7	176.8	0.2	47.58	201.38	6.20	249.8	Ari
22 Okt 2018	01h53m52.72s	+11 04' 39.1"	19.870	18.876	5.7	177.8	0.1	47.33	202.82	6.21	249.8	Ari
23 Okt 2018	01h53m43.32s	+11 03' 47.9"	19.870	18.875	5.7	178.8	0.1	47.06	204.24	6.21	249.8	Ari

# EPHEMERIDE 2018 – URANUS

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	Stb
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24 Okt 2018	01h53m33.92s	+11 02' 56.7"	19.870	18.875	5.7	179.4	0.0	46.78	205.66	6.21	249.8	Ari
25 Okt 2018	01h53m24.53s	+11 02' 05.5"	19.870	18.876	5.7	178.8	0.1	46.49	207.06	6.21	249.9	Ari
26 Okt 2018	01h53m15.14s	+11 01' 14.3"	19.870	18.876	5.7	177.9	0.1	46.18	208.45	6.21	249.9	Ari
27 Okt 2018	01h53m05.75s	+11 00' 23.2"	19.870	18.877	5.7	176.9	0.2	45.86	209.82	6.20	249.9	Ari
28 Okt 2018	01h52m56.38s	+10 59' 32.2"	19.869	18.878	5.7	175.8	0.2	45.52	211.18	6.19	249.9	Ari
29 Okt 2018	01h52m47.02s	+10 58' 41.2"	19.869	18.880	5.7	174.8	0.3	45.18	212.52	6.18	249.9	Ari
30 Okt 2018	01h52m37.68s	+10 57' 50.4"	19.869	18.882	5.7	173.8	0.3	44.82	213.85	6.16	249.9	Ari
31 Okt 2018	01h52m28.37s	+10 56' 59.7"	19.869	18.884	5.7	172.7	0.4	44.45	215.16	6.15	249.9	Ari
1 Nov 2018	01h52m19.08s	+10 56' 09.2"	19.869	18.886	5.7	171.7	0.4	44.06	216.46	6.13	249.9	Ari
2 Nov 2018	01h52m09.83s	+10 55' 18.9"	19.869	18.889	5.7	170.7	0.5	43.67	217.74	6.10	249.9	Ari
3 Nov 2018	01h52m00.61s	+10 54' 28.8"	19.869	18.892	5.7	169.6	0.5	43.27	219.01	6.08	249.9	Ari
4 Nov 2018	01h51m51.43s	+10 53' 38.9"	19.869	18.895	5.7	168.6	0.6	42.85	220.26	6.05	249.9	Ari
5 Nov 2018	01h51m42.29s	+10 52' 49.2"	19.869	18.899	5.7	167.5	0.6	42.43	221.50	6.02	249.9	Ari
6 Nov 2018	01h51m33.20s	+10 51' 59.9"	19.868	18.903	5.7	166.5	0.7	41.99	222.72	5.99	249.9	Ari
7 Nov 2018	01h51m24.17s	+10 51' 10.8"	19.868	18.907	5.7	165.5	0.7	41.54	223.93	5.95	249.9	Ari
8 Nov 2018	01h51m15.19s	+10 50' 22.1"	19.868	18.912	5.7	164.4	0.8	41.09	225.12	5.91	249.9	Ari
9 Nov 2018	01h51m06.28s	+10 49' 33.7"	19.868	18.917	5.7	163.4	0.8	40.63	226.30	5.87	249.9	Ari
10 Nov 2018	01h50m57.42s	+10 48' 45.7"	19.868	18.922	5.7	162.3	0.9	40.15	227.47	5.82	249.9	Ari
11 Nov 2018	01h50m48.64s	+10 47' 58.1"	19.868	18.928	5.7	161.3	0.9	39.67	228.62	5.77	249.9	Ari
12 Nov 2018	01h50m39.93s	+10 47' 10.9"	19.868	18.933	5.7	160.2	1.0	39.19	229.75	5.72	249.9	Ari
13 Nov 2018	01h50m31.30s	+10 46' 24.1"	19.868	18.939	5.7	159.2	1.0	38.69	230.87	5.67	249.9	Ari
14 Nov 2018	01h50m22.75s	+10 45' 37.8"	19.868	18.946	5.7	158.2	1.1	38.19	231.98	5.62	249.9	Ari
15 Nov 2018	01h50m14.28s	+10 44' 52.0"	19.867	18.952	5.7	157.1	1.1	37.68	233.07	5.56	249.9	Ari
16 Nov 2018	01h50m05.90s	+10 44' 06.7"	19.867	18.959	5.7	156.1	1.2	37.16	234.15	5.50	249.9	Ari
17 Nov 2018	01h49m57.62s	+10 43' 21.9"	19.867	18.967	5.7	155.0	1.2	36.63	235.22	5.44	249.9	Ari
18 Nov 2018	01h49m49.43s	+10 42' 37.6"	19.867	18.974	5.7	154.0	1.3	36.10	236.28	5.37	249.9	Ari
19 Nov 2018	01h49m41.33s	+10 41' 53.9"	19.867	18.982	5.7	152.9	1.3	35.57	237.32	5.31	249.9	Ari
20 Nov 2018	01h49m33.34s	+10 41' 10.8"	19.867	18.990	5.7	151.9	1.3	35.03	238.35	5.24	250.0	Ari
21 Nov 2018	01h49m25.46s	+10 40' 28.3"	19.867	18.998	5.7	150.8	1.4	34.48	239.37	5.16	250.0	Ari
22 Nov 2018	01h49m17.68s	+10 39' 46.4"	19.867	19.007	5.7	149.8	1.4	33.93	240.38	5.09	250.0	Ari
23 Nov 2018	01h49m10.02s	+10 39' 05.2"	19.867	19.016	5.7	148.8	1.5	33.37	241.38	5.02	250.0	Ari
24 Nov 2018	01h49m02.47s	+10 38' 24.6"	19.866	19.025	5.7	147.7	1.5	32.81	242.36	4.94	250.0	Ari
25 Nov 2018	01h48m55.04s	+10 37' 44.6"	19.866	19.034	5.7	146.7	1.6	32.24	243.34	4.86	250.0	Ari
26 Nov 2018	01h48m47.73s	+10 37' 05.4"	19.866	19.044	5.7	145.6	1.6	31.67	244.30	4.78	250.0	Ari
27 Nov 2018	01h48m40.54s	+10 36' 26.9"	19.866	19.054	5.7	144.6	1.6	31.09	245.26	4.69	250.0	Ari
28 Nov 2018	01h48m33.48s	+10 35' 49.1"	19.866	19.064	5.7	143.5	1.7	30.51	246.20	4.61	250.1	Ari
29 Nov 2018	01h48m26.55s	+10 35' 12.0"	19.866	19.074	5.7	142.5	1.7	29.93	247.14	4.52	250.1	Ari
30 Nov 2018	01h48m19.75s	+10 34' 35.7"	19.866	19.085	5.7	141.5	1.8	29.35	248.07	4.43	250.1	Ari
1 Dez 2018	01h48m13.09s	+10 34' 00.1"	19.866	19.096	5.7	140.4	1.8	28.76	248.99	4.34	250.1	Ari
2 Dez 2018	01h48m06.57s	+10 33' 25.4"	19.866	19.107	5.7	139.4	1.9	28.16	249.90	4.25	250.1	Ari
3 Dez 2018	01h48m00.19s	+10 32' 51.4"	19.865	19.118	5.7	138.3	1.9	27.57	250.80	4.15	250.1	Ari
4 Dez 2018	01h47m53.96s	+10 32' 18.3"	19.865	19.130	5.7	137.3	1.9	26.97	251.69	4.05	250.2	Psc
5 Dez 2018	01h47m47.88s	+10 31' 46.1"	19.865	19.141	5.7	136.3	2.0	26.37	252.58	3.95	250.2	Psc
6 Dez 2018	01h47m41.95s	+10 31' 14.6"	19.865	19.154	5.7	135.2	2.0	25.77	253.46	3.85	250.2	Psc
7 Dez 2018	01h47m36.17s	+10 30' 44.1"	19.865	19.166	5.7	134.2	2.0	25.16	254.33	3.75	250.2	Psc
8 Dez 2018	01h47m30.55s	+10 30' 14.4"	19.865	19.178	5.7	133.1	2.1	24.56	255.19	3.64	250.3	Psc
9 Dez 2018	01h47m25.09s	+10 29' 45.7"	19.865	19.191	5.7	132.1	2.1	23.95	256.05	3.53	250.3	Psc
10 Dez 2018	01h47m19.79s	+10 29' 17.9"	19.865	19.204	5.7	131.1	2.1	23.34	256.90	3.43	250.3	Psc
11 Dez 2018	01h47m14.65s	+10 28' 51.0"	19.864	19.217	5.7	130.0	2.2	22.73	257.75	3.32	250.4	Psc
12 Dez 2018	01h47m09.68s	+10 28' 25.0"	19.864	19.230	5.7	129.0	2.2	22.11	258.59	3.20	250.4	Psc
13 Dez 2018	01h47m04.89s	+10 28' 00.0"	19.864	19.244	5.7	127.9	2.2	21.50	259.42	3.09	250.5	Psc
14 Dez 2018	01h47m00.26s	+10 27' 36.0"	19.864	19.257	5.7	126.9	2.3	20.88	260.25	2.98	250.5	Psc
15 Dez 2018	01h46m55.80s	+10 27' 13.0"	19.864	19.271	5.7	125.9	2.3	20.27	261.08	2.86	250.6	Psc
16 Dez 2018	01h46m51.52s	+10 26' 50.9"	19.864	19.285	5.7	124.8	2.3	19.65	261.90	2.74	250.6	Psc
17 Dez 2018	01h46m47.42s	+10 26' 29.9"	19.864	19.300	5.7	123.8	2.4	19.03	262.71	2.63	250.7	Psc
18 Dez 2018	01h46m43.49s	+10 26' 09.9"	19.864	19.314	5.7	122.8	2.4	18.42	263.52	2.51	250.8	Psc
19 Dez 2018	01h46m39.74s	+10 25' 50.9"	19.864	19.328	5.7	121.7	2.4	17.80	264.33	2.39	250.9	Psc
20 Dez 2018	01h46m36.17s	+10 25' 32.9"	19.863	19.343	5.7	120.7	2.4	17.18	265.13	2.27	250.9	Psc
21 Dez 2018	01h46m32.79s	+10 25' 15.9"	19.863	19.358	5.7	119.7	2.5	16.56	265.93	2.15	251.0	Psc
22 Dez 2018	01h46m29.59s	+10 25' 00.0"	19.863	19.373	5.7	118.6	2.5	15.94	266.72	2.02	251.2	Psc
23 Dez 2018	01h46m26.57s	+10 24' 45.1"	19.863	19.388	5.7	117.6	2.5	15.33	267.51	1.90	251.3	Psc
24 Dez 2018	01h46m23.74s	+10 24' 31.3"	19.863	19.404	5.7	116.6	2.5	14.71	268.30	1.78	251.4	Psc
25 Dez 2018	01h46m21.10s	+10 24' 18.6"	19.863	19.419	5.7	115.5	2.6	14.09	269.09	1.65	251.6	Psc
26 Dez 2018	01h46m18.64s	+10 24' 06.9"	19.863	19.435	5.7	114.5	2.6	13.48	269.87	1.53	251.8	Psc
27 Dez 2018	01h46m16.38s	+10 23' 56.3"	19.863	19.450	5.7	113.5	2.6	12.86	270.65	1.40	252.0	Psc
28 Dez 2018	01h46m14.30s	+10 23' 46.8"	19.863	19.466	5.7	112.5	2.6	12.24	271.43	1.27	252.3	Psc
29 Dez 2018	01h46m12.42s	+10 23' 38.3"	19.862	19.482	5.7	111.4	2.6	11.63	272.21	1.15	252.6	Psc
30 Dez 2018	01h46m10.73s	+10 23' 30.9"	19.862	19.498	5.8	110.4	2.7	11.02	272.98	1.02	253.1	Psc
31 Dez 2018	01h46m09.24s	+10 23' 24.7"	19.862	19.514	5.8	109.4	2.7	10.41	273.76	0.89	253.6	Psc
1 Jan 2019	01h46m07.94s	+10 23' 19.5"	19.862	19.531	5.8	108.3	2.7	9.80	274.53	0.76	254.4	Psc