



Die Bahn des Jupiter 2012

EPHEMERIDE 2012 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA
1 Jan 2012	01h54m22.12s	+10 24' 30.2"	4.9727	4.5429	-2.6	110.5	10.7	11.18	272.75	3.27	56.8 Psc
2 Jan 2012	01h54m26.93s	+10 25' 16.5"	4.9728	4.5580	-2.6	109.5	10.7	10.60	273.51	3.78	58.6 Psc
3 Jan 2012	01h54m32.53s	+10 26' 07.2"	4.9730	4.5733	-2.6	108.5	10.8	10.01	274.27	4.29	60.0 Psc
4 Jan 2012	01h54m38.90s	+10 27' 02.1"	4.9732	4.5886	-2.6	107.5	10.9	9.44	275.03	4.80	61.1 Psc
5 Jan 2012	01h54m46.06s	+10 28' 01.2"	4.9733	4.6040	-2.5	106.5	10.9	8.86	275.78	5.31	61.9 Psc
6 Jan 2012	01h54m54.00s	+10 29' 04.6"	4.9735	4.6194	-2.5	105.5	11.0	8.29	276.53	5.81	62.6 Psc
7 Jan 2012	01h55m02.70s	+10 30' 12.1"	4.9737	4.6350	-2.5	104.5	11.0	7.73	277.28	6.32	63.2 Psc
8 Jan 2012	01h55m12.17s	+10 31' 23.7"	4.9738	4.6506	-2.5	103.6	11.1	7.16	278.03	6.82	63.7 Psc
9 Jan 2012	01h55m22.41s	+10 32' 39.4"	4.9740	4.6663	-2.5	102.6	11.1	6.61	278.78	7.32	64.2 Ari
10 Jan 2012	01h55m33.40s	+10 33' 59.1"	4.9742	4.6820	-2.5	101.6	11.2	6.05	279.52	7.81	64.6 Ari
11 Jan 2012	01h55m45.14s	+10 35' 22.9"	4.9744	4.6978	-2.5	100.7	11.2	5.50	280.26	8.30	64.9 Ari
12 Jan 2012	01h55m57.63s	+10 36' 50.7"	4.9745	4.7136	-2.5	99.7	11.2	4.95	281.00	8.79	65.2 Ari
13 Jan 2012	01h56m10.86s	+10 38' 22.4"	4.9747	4.7295	-2.5	98.7	11.3	4.41	281.74	9.28	65.5 Ari
14 Jan 2012	01h56m24.83s	+10 39' 58.0"	4.9749	4.7454	-2.5	97.8	11.3	3.87	282.48	9.76	65.7 Ari
15 Jan 2012	01h56m39.54s	+10 41' 37.5"	4.9750	4.7613	-2.5	96.8	11.3	3.34	283.21	10.24	65.9 Ari
16 Jan 2012	01h56m54.97s	+10 43' 20.9"	4.9752	4.7773	-2.5	95.9	11.3	2.81	283.95	10.71	66.1 Ari
17 Jan 2012	01h57m11.13s	+10 45' 08.0"	4.9754	4.7933	-2.5	94.9	11.4	2.29	284.69	11.18	66.3 Ari
18 Jan 2012	01h57m28.01s	+10 46' 58.9"	4.9756	4.8094	-2.4	94.0	11.4	1.76	285.42	11.65	66.5 Ari
19 Jan 2012	01h57m45.60s	+10 48' 53.5"	4.9757	4.8254	-2.4	93.0	11.4	1.25	286.15	12.12	66.7 Ari
20 Jan 2012	01h58m03.91s	+10 50' 51.8"	4.9759	4.8415	-2.4	92.1	11.4	0.74	286.89	12.58	66.8 Ari
21 Jan 2012	01h58m22.92s	+10 52' 53.7"	4.9761	4.8576	-2.4	91.2	11.4	0.23	287.62	13.04	66.9 Ari
22 Jan 2012	01h58m42.63s	+10 54' 59.1"	4.9763	4.8737	-2.4	90.2	11.4	-0.27	288.35	13.49	67.1 Ari
23 Jan 2012	01h59m03.03s	+10 57' 08.2"	4.9764	4.8898	-2.4	89.3	11.4	-0.77	289.08	13.94	67.2 Ari
24 Jan 2012	01h59m24.13s	+10 59' 20.7"	4.9766	4.9059	-2.4	88.4	11.4	-1.26	289.81	14.39	67.3 Ari
25 Jan 2012	01h59m45.90s	+11 01' 36.6"	4.9768	4.9220	-2.4	87.5	11.4	-1.75	290.55	14.83	67.4 Ari
26 Jan 2012	02h00m08.35s	+11 03' 55.9"	4.9770	4.9380	-2.4	86.6	11.4	-2.23	291.28	15.27	67.6 Ari
27 Jan 2012	02h00m31.46s	+11 06' 18.6"	4.9771	4.9541	-2.4	85.6	11.4	-2.71	292.01	15.70	67.7 Ari
28 Jan 2012	02h00m55.24s	+11 08' 44.5"	4.9773	4.9701	-2.4	84.7	11.4	-3.18	292.74	16.12	67.8 Ari
29 Jan 2012	02h01m19.67s	+11 11' 13.6"	4.9775	4.9862	-2.4	83.8	11.3	-3.65	293.47	16.54	67.9 Ari
30 Jan 2012	02h01m44.74s	+11 13' 45.9"	4.9777	5.0021	-2.4	82.9	11.3	-4.11	294.21	16.95	68.0 Ari
31 Jan 2012	02h02m10.45s	+11 16' 21.3"	4.9779	5.0181	-2.4	82.0	11.3	-4.57	294.94	17.36	68.0 Ari
1 Feb 2012	02h02m36.79s	+11 18' 59.7"	4.9780	5.0340	-2.3	81.1	11.3	-5.02	295.67	17.77	68.1 Ari
2 Feb 2012	02h03m03.75s	+11 21' 41.1"	4.9782	5.0499	-2.3	80.2	11.2	-5.47	296.41	18.16	68.2 Ari
3 Feb 2012	02h03m31.33s	+11 24' 25.5"	4.9784	5.0657	-2.3	79.3	11.2	-5.91	297.14	18.56	68.3 Ari
4 Feb 2012	02h03m59.51s	+11 27' 12.7"	4.9786	5.0815	-2.3	78.4	11.2	-6.34	297.88	18.94	68.4 Ari
5 Feb 2012	02h04m28.29s	+11 30' 02.7"	4.9788	5.0973	-2.3	77.6	11.1	-6.77	298.62	19.33	68.4 Ari
6 Feb 2012	02h04m57.67s	+11 32' 55.6"	4.9789	5.1130	-2.3	76.7	11.1	-7.20	299.36	19.70	68.5 Ari
7 Feb 2012	02h05m27.62s	+11 35' 51.1"	4.9791	5.1286	-2.3	75.8	11.1	-7.62	300.09	20.07	68.6 Ari
8 Feb 2012	02h05m58.16s	+11 38' 49.2"	4.9793	5.1442	-2.3	74.9	11.0	-8.03	300.83	20.44	68.7 Ari
9 Feb 2012	02h06m29.26s	+11 41' 50.0"	4.9795	5.1597	-2.3	74.0	11.0	-8.44	301.57	20.80	68.7 Ari
10 Feb 2012	02h07m00.93s	+11 44' 53.4"	4.9797	5.1751	-2.3	73.2	10.9	-8.85	302.32	21.16	68.8 Ari
11 Feb 2012	02h07m33.15s	+11 47' 59.2"	4.9799	5.1905	-2.3	72.3	10.9	-9.25	303.06	21.51	68.9 Ari
12 Feb 2012	02h08m05.93s	+11 51' 07.5"	4.9801	5.2058	-2.3	71.4	10.8	-9.64	303.80	21.86	68.9 Ari
13 Feb 2012	02h08m39.25s	+11 54' 18.1"	4.9802	5.2211	-2.3	70.6	10.8	-10.02	304.55	22.20	69.0 Ari
14 Feb 2012	02h09m13.11s	+11 57' 31.2"	4.9804	5.2362	-2.3	69.7	10.7	-10.41	305.30	22.54	69.1 Ari
15 Feb 2012	02h09m47.50s	+12 00' 46.5"	4.9806	5.2513	-2.3	68.8	10.7	-10.78	306.04	22.88	69.1 Ari
16 Feb 2012	02h10m22.42s	+12 04' 04.1"	4.9808	5.2663	-2.3	68.0	10.6	-11.15	306.79	23.21	69.2 Ari
17 Feb 2012	02h10m57.86s	+12 07' 23.9"	4.9810	5.2812	-2.2	67.1	10.5	-11.51	307.54	23.53	69.3 Ari
18 Feb 2012	02h11m33.81s	+12 10' 45.8"	4.9812	5.2961	-2.2	66.3	10.5	-11.87	308.30	23.86	69.3 Ari
19 Feb 2012	02h12m10.27s	+12 14' 09.8"	4.9814	5.3108	-2.2	65.4	10.4	-12.22	309.05	24.17	69.4 Ari
20 Feb 2012	02h12m47.24s	+12 17' 35.9"	4.9816	5.3254	-2.2	64.6	10.3	-12.57	309.80	24.48	69.5 Ari
21 Feb 2012	02h13m24.70s	+12 21' 03.9"	4.9817	5.3400	-2.2	63.7	10.3	-12.91	310.56	24.79	69.5 Ari
22 Feb 2012	02h14m02.64s	+12 24' 33.9"	4.9819	5.3544	-2.2	62.9	10.2	-13.24	311.32	25.09	69.6 Ari
23 Feb 2012	02h14m41.07s	+12 28' 05.7"	4.9821	5.3687	-2.2	62.0	10.1	-13.57	312.08	25.39	69.6 Ari
24 Feb 2012	02h15m19.97s	+12 31' 39.4"	4.9823	5.3829	-2.2	61.2	10.0	-13.89	312.84	25.68	69.7 Ari
25 Feb 2012	02h15m59.34s	+12 35' 14.8"	4.9825	5.3970	-2.2	60.4	9.9	-14.21	313.60	25.97	69.8 Ari
26 Feb 2012	02h16m39.16s	+12 38' 52.0"	4.9827	5.4110	-2.2	59.5	9.9	-14.52	314.36	26.25	69.8 Ari
27 Feb 2012	02h17m19.43s	+12 42' 30.7"	4.9829	5.4249	-2.2	58.7	9.8	-14.82	315.13	26.52	69.9 Ari
28 Feb 2012	02h18m00.15s	+12 46' 11.1"	4.9831	5.4387	-2.2	57.9	9.7	-15.12	315.89	26.79	70.0 Ari
29 Feb 2012	02h18m41.31s	+12 49' 53.0"	4.9833	5.4523	-2.2	57.0	9.6	-15.41	316.66	27.06	70.0 Ari
1 Mär 2012	02h19m22.89s	+12 53' 36.4"	4.9835	5.4658	-2.2	56.2	9.5	-15.70	317.43	27.32	70.1 Ari
2 Mär 2012	02h20m04.90s	+12 57' 21.3"	4.9837	5.4792	-2.2	55.4	9.4	-15.98	318.20	27.57	70.1 Ari
3 Mär 2012	02h20m47.32s	+13 01' 07.5"	4.9839	5.4925	-2.2	54.6	9.3	-16.25	318.97	27.82	70.2 Ari
4 Mär 2012	02h21m30.15s	+13 04' 55.0"	4.9841	5.5056	-2.2	53.8	9.2	-16.52	319.75	28.07	70.3 Ari
5 Mär 2012	02h22m13.38s	+13 08' 43.9"	4.9843	5.5186	-2.2	53.0	9.1	-16.78	320.52	28.31	70.3 Ari
6 Mär 2012	02h22m57.00s	+13 12' 33.9"	4.9845	5.5314	-2.2	52.1	9.0	-17.03	321.30	28.54	70.4 Ari
7 Mär 2012	02h23m41.01s	+13 16' 25.2"	4.9847	5.5442	-2.1	51.3	8.9	-17.28	322.08	28.78	70.4 Ari
8 Mär 2012	02h24m25.40s	+13 20' 17.5"	4.9849	5.5568	-2.1	50.5	8.8	-17.52	322.86	29.00	70.5 Ari
9 Mär 2012	02h25m10.17s	+13 24' 11.0"	4.9851	5.5692	-2.1	49.7	8.7	-17.76	323.64	29.23	70.6 Ari
10 Mär 2012	02h25m55.31s	+13 28' 05.5"	4.9853	5.5815	-2.1	48.9	8.6	-17.98	324.42	29.44	70.6 Ari
11 Mär 2012	02h26m40.81s	+13 32' 01.0"	4.9855	5.5937	-2.1	48.1	8.5	-18.21	325.20	29.66	70.7 Ari
12 Mär 2012	02h27m26.67s	+13 35' 57.4"	4.9857	5.6057	-2.1	47.3	8.4	-18.42	325.98	29.87	70.8 Ari
13 Mär 2012	02h28m12.89s	+13 39' 54.8"	4.9859	5.6176	-2.1	46.5	8.3	-18.63	326.77	30.08	70.8 Ari
14 Mär 2012	02h28m59.46s	+13 43' 53.0"	4.9861	5.6293	-2.1	45.7	8.2	-18.83	327.56	30.28	70.9 Ari

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA
15 Mär 2012	02h29m46.37s	+13 47' 52.1"	4.9863	5.6409	-2.1	44.9	8.1	-19.03	328.34	30.48	70.9 Ari
16 Mär 2012	02h30m33.62s	+13 51' 51.9"	4.9865	5.6523	-2.1	44.1	8.0	-19.22	329.13	30.68	71.0 Ari
17 Mär 2012	02h31m21.21s	+13 55' 52.5"	4.9867	5.6636	-2.1	43.3	7.9	-19.40	329.92	30.87	71.1 Ari
18 Mär 2012	02h32m09.12s	+13 59' 53.8"	4.9869	5.6747	-2.1	42.5	7.8	-19.58	330.71	31.06	71.1 Ari
19 Mär 2012	02h32m57.36s	+14 03' 55.7"	4.9871	5.6856	-2.1	41.7	7.6	-19.75	331.50	31.25	71.2 Ari
20 Mär 2012	02h33m45.91s	+14 07' 58.2"	4.9873	5.6964	-2.1	41.0	7.5	-19.91	332.29	31.43	71.3 Ari
21 Mär 2012	02h34m34.78s	+14 12' 01.2"	4.9875	5.7070	-2.1	40.2	7.4	-20.07	333.08	31.60	71.3 Ari
22 Mär 2012	02h35m23.95s	+14 16' 04.8"	4.9877	5.7175	-2.1	39.4	7.3	-20.22	333.88	31.78	71.4 Ari
23 Mär 2012	02h36m13.42s	+14 20' 08.8"	4.9879	5.7278	-2.1	38.6	7.2	-20.36	334.67	31.94	71.5 Ari
24 Mär 2012	02h37m03.18s	+14 24' 13.3"	4.9881	5.7379	-2.1	37.8	7.0	-20.50	335.47	32.11	71.5 Ari
25 Mär 2012	02h37m53.23s	+14 28' 18.1"	4.9883	5.7479	-2.1	37.1	6.9	-20.63	336.26	32.27	71.6 Ari
26 Mär 2012	02h38m43.55s	+14 32' 23.2"	4.9885	5.7577	-2.1	36.3	6.8	-20.75	337.06	32.42	71.7 Ari
27 Mär 2012	02h39m34.16s	+14 36' 28.7"	4.9887	5.7673	-2.1	35.5	6.7	-20.87	337.85	32.57	71.7 Ari
28 Mär 2012	02h40m25.02s	+14 40' 34.3"	4.9889	5.7768	-2.1	34.7	6.5	-20.98	338.65	32.72	71.8 Ari
29 Mär 2012	02h41m16.15s	+14 44' 40.2"	4.9891	5.7860	-2.1	34.0	6.4	-21.08	339.44	32.86	71.9 Ari
30 Mär 2012	02h42m07.12s	+14 48' 46.2"	4.9894	5.7951	-2.1	33.2	6.3	-21.18	340.24	33.00	71.9 Ari
31 Mär 2012	02h42m59.17s	+14 52' 52.4"	4.9896	5.8040	-2.1	32.4	6.2	-21.27	341.03	33.13	72.0 Ari
1 Apr 2012	02h43m51.05s	+14 56' 58.6"	4.9898	5.8128	-2.1	31.7	6.0	-21.36	341.83	33.26	72.1 Ari
2 Apr 2012	02h44m43.17s	+15 01' 04.8"	4.9900	5.8213	-2.1	30.9	5.9	-21.44	342.63	33.39	72.1 Ari
3 Apr 2012	02h45m35.51s	+15 05' 11.0"	4.9902	5.8297	-2.1	30.1	5.8	-21.51	343.42	33.51	72.2 Ari
4 Apr 2012	02h46m28.09s	+15 09' 17.2"	4.9904	5.8379	-2.0	29.4	5.6	-21.57	344.22	33.63	72.3 Ari
5 Apr 2012	02h47m20.89s	+15 13' 23.4"	4.9906	5.8459	-2.0	28.6	5.5	-21.63	345.01	33.74	72.3 Ari
6 Apr 2012	02h48m13.90s	+15 17' 29.4"	4.9908	5.8538	-2.0	27.8	5.4	-21.68	345.81	33.85	72.4 Ari
7 Apr 2012	02h49m07.12s	+15 21' 35.2"	4.9910	5.8614	-2.0	27.1	5.2	-21.73	346.60	33.96	72.5 Ari
8 Apr 2012	02h50m00.56s	+15 25' 40.9"	4.9913	5.8689	-2.0	26.3	5.1	-21.76	347.40	34.07	72.5 Ari
9 Apr 2012	02h50m54.20s	+15 29' 46.4"	4.9915	5.8762	-2.0	25.6	5.0	-21.80	348.19	34.17	72.6 Ari
10 Apr 2012	02h51m48.03s	+15 33' 51.6"	4.9917	5.8833	-2.0	24.8	4.8	-21.82	348.98	34.27	72.7 Ari
11 Apr 2012	02h52m42.07s	+15 37' 56.5"	4.9919	5.8902	-2.0	24.1	4.7	-21.84	349.77	34.37	72.7 Ari
12 Apr 2012	02h53m36.29s	+15 42' 01.1"	4.9921	5.8970	-2.0	23.3	4.6	-21.85	350.57	34.47	72.8 Ari
13 Apr 2012	02h54m30.71s	+15 46' 05.4"	4.9923	5.9035	-2.0	22.6	4.4	-21.86	351.36	34.56	72.9 Ari
14 Apr 2012	02h55m25.30s	+15 50' 09.3"	4.9925	5.9099	-2.0	21.8	4.3	-21.86	352.14	34.65	73.0 Ari
15 Apr 2012	02h56m20.08s	+15 54' 12.8"	4.9928	5.9160	-2.0	21.1	4.1	-21.85	352.93	34.73	73.0 Ari
16 Apr 2012	02h57m15.02s	+15 58' 15.9"	4.9930	5.9220	-2.0	20.3	4.0	-21.84	353.72	34.81	73.1 Ari
17 Apr 2012	02h58m10.14s	+16 02' 18.5"	4.9932	5.9278	-2.0	19.6	3.9	-21.82	354.50	34.89	73.2 Ari
18 Apr 2012	02h59m05.42s	+16 06' 20.5"	4.9934	5.9334	-2.0	18.8	3.7	-21.79	355.29	34.97	73.2 Ari
19 Apr 2012	03h00m00.86s	+16 10' 22.1"	4.9936	5.9388	-2.0	18.1	3.6	-21.76	356.07	35.04	73.3 Ari
20 Apr 2012	03h00m56.45s	+16 14' 23.0"	4.9939	5.9440	-2.0	17.3	3.4	-21.72	356.85	35.10	73.4 Ari
21 Apr 2012	03h01m52.18s	+16 18' 23.3"	4.9941	5.9490	-2.0	16.6	3.3	-21.68	357.63	35.17	73.5 Ari
22 Apr 2012	03h02m48.06s	+16 22' 23.0"	4.9943	5.9538	-2.0	15.8	3.1	-21.63	358.41	35.23	73.5 Ari
23 Apr 2012	03h03m44.07s	+16 26' 22.0"	4.9945	5.9584	-2.0	15.1	3.0	-21.57	359.19	35.29	73.6 Ari
24 Apr 2012	03h04m40.22s	+16 30' 20.3"	4.9947	5.9629	-2.0	14.4	2.9	-21.51	359.96	35.34	73.7 Ari
25 Apr 2012	03h05m36.49s	+16 34' 17.9"	4.9950	5.9671	-2.0	13.6	2.7	-21.44	0.74	35.39	73.8 Ari
26 Apr 2012	03h06m32.87s	+16 38' 14.7"	4.9952	5.9711	-2.0	12.9	2.6	-21.37	1.51	35.44	73.8 Ari
27 Apr 2012	03h07m29.38s	+16 42' 10.7"	4.9954	5.9749	-2.0	12.1	2.4	-21.29	2.28	35.48	73.9 Ari
28 Apr 2012	03h08m25.99s	+16 46' 05.9"	4.9956	5.9786	-2.0	11.4	2.3	-21.20	3.04	35.52	74.0 Ari
29 Apr 2012	03h09m22.70s	+16 50' 00.2"	4.9958	5.9820	-2.0	10.7	2.1	-21.11	3.81	35.56	74.1 Ari
30 Apr 2012	03h10m19.51s	+16 53' 53.6"	4.9961	5.9852	-2.0	9.9	2.0	-21.01	4.57	35.59	74.1 Ari
1 Mai 2012	03h11m16.42s	+16 57' 46.2"	4.9963	5.9883	-2.0	9.2	1.9	-20.91	5.33	35.62	74.2 Ari
2 Mai 2012	03h12m13.41s	+17 01' 37.8"	4.9965	5.9911	-2.0	8.5	1.7	-20.80	6.09	35.65	74.3 Ari
3 Mai 2012	03h13m10.49s	+17 05' 28.4"	4.9967	5.9938	-2.0	7.8	1.6	-20.68	6.85	35.67	74.4 Ari
4 Mai 2012	03h14m07.65s	+17 09' 18.0"	4.9970	5.9962	-2.0	7.0	1.4	-20.56	7.61	35.69	74.5 Ari
5 Mai 2012	03h15m04.88s	+17 13' 06.7"	4.9972	5.9985	-2.0	6.3	1.3	-20.43	8.36	35.71	74.5 Ari
6 Mai 2012	03h16m02.19s	+17 16' 54.3"	4.9974	6.0005	-2.0	5.6	1.1	-20.30	9.11	35.73	74.6 Ari
7 Mai 2012	03h16m59.56s	+17 20' 40.8"	4.9977	6.0024	-2.0	4.8	1.0	-20.16	9.86	35.74	74.7 Ari
8 Mai 2012	03h17m57.00s	+17 24' 26.3"	4.9979	6.0040	-2.0	4.1	0.8	-20.02	10.60	35.75	74.8 Ari
9 Mai 2012	03h18m54.50s	+17 28' 10.7"	4.9981	6.0055	-2.0	3.4	0.7	-19.87	11.35	35.76	74.8 Ari
10 Mai 2012	03h19m52.05s	+17 31' 54.0"	4.9983	6.0067	-2.0	2.7	0.5	-19.71	12.09	35.77	74.9 Ari
11 Mai 2012	03h20m49.66s	+17 35' 36.2"	4.9986	6.0078	-2.0	2.0	0.4	-19.55	12.82	35.78	75.0 Ari
12 Mai 2012	03h21m47.32s	+17 39' 17.1"	4.9988	6.0087	-2.0	1.4	0.3	-19.39	13.56	35.78	75.1 Ari
13 Mai 2012	03h22m45.02s	+17 42' 57.0"	4.9990	6.0093	-2.0	0.9	0.2	-19.22	14.29	35.78	75.2 Ari
14 Mai 2012	03h23m42.76s	+17 46' 35.6"	4.9993	6.0098	-2.0	0.9	0.2	-19.04	15.02	35.77	75.2 Ari
15 Mai 2012	03h24m40.54s	+17 50' 12.9"	4.9995	6.0101	-2.0	1.3	0.3	-18.86	15.75	35.77	75.3 Tau
16 Mai 2012	03h25m38.34s	+17 53' 49.1"	4.9997	6.0101	-2.0	1.9	0.4	-18.67	16.47	35.76	75.4 Tau
17 Mai 2012	03h26m36.17s	+17 57' 24.0"	4.9999	6.0100	-2.0	2.6	0.5	-18.48	17.20	35.74	75.5 Tau
18 Mai 2012	03h27m34.02s	+18 00' 57.5"	5.0002	6.0097	-2.0	3.3	0.7	-18.29	17.92	35.73	75.6 Tau
19 Mai 2012	03h28m31.88s	+18 04' 29.8"	5.0004	6.0092	-2.0	4.0	0.8	-18.08	18.63	35.71	75.7 Tau
20 Mai 2012	03h29m29.74s	+18 08' 00.8"	5.0006	6.0084	-2.0	4.7	1.0	-17.88	19.35	35.68	75.7 Tau
21 Mai 2012	03h30m27.62s	+18 11' 30.4"	5.0009	6.0075	-2.0	5.5	1.1	-17.67	20.06	35.66	75.8 Tau
22 Mai 2012	03h31m25.48s	+18 14' 58.6"	5.0011	6.0064	-2.0	6.2	1.2	-17.45	20.77	35.63	75.9 Tau
23 Mai 2012	03h32m23.34s	+18 18' 25.4"	5.0013	6.0051	-2.0	6.9	1.4	-17.23	21.47	35.59	76.0 Tau
24 Mai 2012	03h33m21.19s	+18 21' 50.9"	5.0016	6.0035	-2.0	7.6	1.5	-17.00	22.17	35.56	76.1 Tau
25 Mai 2012	03h34m19.02s	+18 25' 14.9"	5.0018	6.0018	-2.0	8.3	1.7	-16.77	22.87	35.52	76.1 Tau
26 Mai 2012	03h35m16.82s	+18 28' 37.4"	5.0021	5.9999	-2.0	9.1	1.8	-16.54	23.57	35.48	76.2 Tau
27 Mai 2012	03h36m14.59s	+18 31' 58.5"	5.0023	5.9978	-2.0	9.8	2.0	-16.30	24.27	35.43	76.3 Tau

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA
28 Mai 2012	03h37m12.33s	+18 35' 18.2"	5.0025	5.9955	-2.0	10.5	2.1	-16.05	24.96	35.38	76.4 Tau
29 Mai 2012	03h38m10.02s	+18 38' 36.3"	5.0028	5.9930	-2.0	11.2	2.3	-15.81	25.65	35.33	76.5 Tau
30 Mai 2012	03h39m07.67s	+18 41' 52.9"	5.0030	5.9903	-2.0	12.0	2.4	-15.55	26.33	35.28	76.6 Tau
31 Mai 2012	03h40m05.27s	+18 45' 08.1"	5.0032	5.9874	-2.0	12.7	2.6	-15.29	27.02	35.22	76.6 Tau
1 Jun 2012	03h41m02.82s	+18 48' 21.6"	5.0035	5.9843	-2.0	13.4	2.7	-15.03	27.70	35.16	76.7 Tau
2 Jun 2012	03h42m00.30s	+18 51' 33.7"	5.0037	5.9811	-2.0	14.1	2.8	-14.76	28.38	35.10	76.8 Tau
3 Jun 2012	03h42m57.73s	+18 54' 44.2"	5.0040	5.9776	-2.0	14.9	3.0	-14.49	29.05	35.03	76.9 Tau
4 Jun 2012	03h43m55.08s	+18 57' 53.1"	5.0042	5.9739	-2.0	15.6	3.1	-14.22	29.73	34.97	77.0 Tau
5 Jun 2012	03h44m52.37s	+19 01' 00.4"	5.0044	5.9701	-2.0	16.3	3.3	-13.94	30.40	34.90	77.0 Tau
6 Jun 2012	03h45m49.58s	+19 04' 06.2"	5.0047	5.9661	-2.0	17.0	3.4	-13.65	31.07	34.83	77.1 Tau
7 Jun 2012	03h46m46.71s	+19 07' 10.3"	5.0049	5.9619	-2.0	17.8	3.5	-13.37	31.73	34.75	77.2 Tau
8 Jun 2012	03h47m43.76s	+19 10' 12.9"	5.0052	5.9575	-2.0	18.5	3.7	-13.07	32.39	34.68	77.3 Tau
9 Jun 2012	03h48m40.71s	+19 13' 13.8"	5.0054	5.9529	-2.0	19.2	3.8	-12.78	33.05	34.60	77.4 Tau
10 Jun 2012	03h49m37.58s	+19 16' 13.1"	5.0056	5.9481	-2.0	19.9	4.0	-12.48	33.71	34.52	77.5 Tau
11 Jun 2012	03h50m34.35s	+19 19' 10.8"	5.0059	5.9431	-2.0	20.7	4.1	-12.17	34.37	34.43	77.6 Tau
12 Jun 2012	03h51m31.01s	+19 22' 06.8"	5.0061	5.9380	-2.0	21.4	4.2	-11.87	35.02	34.34	77.6 Tau
13 Jun 2012	03h52m27.56s	+19 25' 01.2"	5.0064	5.9326	-2.0	22.1	4.4	-11.55	35.67	34.25	77.7 Tau
14 Jun 2012	03h53m24.00s	+19 27' 53.8"	5.0066	5.9271	-2.0	22.8	4.5	-11.24	36.32	34.16	77.8 Tau
15 Jun 2012	03h54m20.31s	+19 30' 44.8"	5.0069	5.9214	-2.0	23.6	4.7	-10.92	36.96	34.06	77.9 Tau
16 Jun 2012	03h55m16.50s	+19 33' 34.1"	5.0071	5.9155	-2.0	24.3	4.8	-10.59	37.60	33.96	78.0 Tau
17 Jun 2012	03h56m12.56s	+19 36' 21.7"	5.0073	5.9094	-2.0	25.0	4.9	-10.27	38.24	33.85	78.1 Tau
18 Jun 2012	03h57m08.47s	+19 39' 07.6"	5.0076	5.9032	-2.0	25.8	5.1	-9.94	38.88	33.75	78.1 Tau
19 Jun 2012	03h58m04.24s	+19 41' 51.8"	5.0078	5.8967	-2.0	26.5	5.2	-9.60	39.52	33.63	78.2 Tau
20 Jun 2012	03h58m59.86s	+19 44' 34.2"	5.0081	5.8901	-2.0	27.2	5.3	-9.26	40.15	33.52	78.3 Tau
21 Jun 2012	03h59m55.32s	+19 47' 14.9"	5.0083	5.8833	-2.0	28.0	5.5	-8.92	40.78	33.40	78.4 Tau
22 Jun 2012	04h00m50.61s	+19 49' 53.9"	5.0086	5.8763	-2.0	28.7	5.6	-8.58	41.41	33.28	78.5 Tau
23 Jun 2012	04h01m45.74s	+19 52' 31.1"	5.0088	5.8692	-2.0	29.4	5.7	-8.23	42.04	33.15	78.6 Tau
24 Jun 2012	04h02m40.68s	+19 55' 06.6"	5.0091	5.8619	-2.0	30.2	5.9	-7.87	42.66	33.02	78.6 Tau
25 Jun 2012	04h03m35.45s	+19 57' 40.3"	5.0093	5.8544	-2.0	30.9	6.0	-7.52	43.29	32.89	78.7 Tau
26 Jun 2012	04h04m30.02s	+20 00' 12.2"	5.0096	5.8467	-2.0	31.6	6.1	-7.16	43.91	32.76	78.8 Tau
27 Jun 2012	04h05m24.40s	+20 02' 42.4"	5.0098	5.8388	-2.0	32.4	6.2	-6.79	44.53	32.62	78.9 Tau
28 Jun 2012	04h06m18.58s	+20 05' 10.8"	5.0101	5.8308	-2.0	33.1	6.4	-6.43	45.15	32.48	79.0 Tau
29 Jun 2012	04h07m12.56s	+20 07' 37.5"	5.0103	5.8226	-2.0	33.8	6.5	-6.06	45.76	32.33	79.0 Tau
30 Jun 2012	04h08m06.32s	+20 10' 02.3"	5.0106	5.8143	-2.0	34.6	6.6	-5.68	46.38	32.18	79.1 Tau
1 Jul 2012	04h08m59.87s	+20 12' 25.4"	5.0108	5.8058	-2.0	35.3	6.7	-5.31	46.99	32.04	79.2 Tau
2 Jul 2012	04h09m53.20s	+20 14' 46.7"	5.0111	5.7971	-2.0	36.1	6.9	-4.93	47.60	31.88	79.3 Tau
3 Jul 2012	04h10m46.30s	+20 17' 06.3"	5.0113	5.7883	-2.1	36.8	7.0	-4.54	48.21	31.73	79.4 Tau
4 Jul 2012	04h11m39.18s	+20 19' 24.0"	5.0116	5.7793	-2.1	37.5	7.1	-4.16	48.82	31.57	79.5 Tau
5 Jul 2012	04h12m31.81s	+20 21' 40.0"	5.0118	5.7701	-2.1	38.3	7.2	-3.77	49.42	31.41	79.5 Tau
6 Jul 2012	04h13m24.21s	+20 23' 54.2"	5.0121	5.7608	-2.1	39.0	7.3	-3.37	50.03	31.25	79.6 Tau
7 Jul 2012	04h14m16.36s	+20 26' 06.6"	5.0123	5.7513	-2.1	39.8	7.5	-2.98	50.63	31.08	79.7 Tau
8 Jul 2012	04h15m08.26s	+20 28' 17.3"	5.0126	5.7417	-2.1	40.5	7.6	-2.58	51.23	30.91	79.8 Tau
9 Jul 2012	04h15m59.89s	+20 30' 26.1"	5.0129	5.7319	-2.1	41.3	7.7	-2.18	51.83	30.73	79.9 Tau
10 Jul 2012	04h16m51.26s	+20 32' 33.2"	5.0131	5.7219	-2.1	42.0	7.8	-1.77	52.43	30.56	79.9 Tau
11 Jul 2012	04h17m42.36s	+20 34' 38.5"	5.0134	5.7118	-2.1	42.8	7.9	-1.36	53.03	30.37	80.0 Tau
12 Jul 2012	04h18m33.18s	+20 36' 42.0"	5.0136	5.7016	-2.1	43.5	8.0	-0.95	53.63	30.19	80.1 Tau
13 Jul 2012	04h19m23.71s	+20 38' 43.7"	5.0139	5.6912	-2.1	44.3	8.1	-0.54	54.22	30.00	80.2 Tau
14 Jul 2012	04h20m13.95s	+20 40' 43.7"	5.0141	5.6806	-2.1	45.0	8.2	-0.12	54.82	29.81	80.3 Tau
15 Jul 2012	04h21m03.89s	+20 42' 41.9"	5.0144	5.6699	-2.1	45.8	8.4	0.30	55.41	29.61	80.3 Tau
16 Jul 2012	04h21m53.52s	+20 44' 38.3"	5.0147	5.6591	-2.1	46.6	8.5	0.72	56.00	29.41	80.4 Tau
17 Jul 2012	04h22m42.83s	+20 46' 32.9"	5.0149	5.6481	-2.1	47.3	8.6	1.15	56.60	29.20	80.5 Tau
18 Jul 2012	04h23m31.82s	+20 48' 25.8"	5.0152	5.6370	-2.1	48.1	8.7	1.58	57.19	28.99	80.6 Tau
19 Jul 2012	04h24m20.48s	+20 50' 16.8"	5.0154	5.6257	-2.1	48.8	8.8	2.01	57.78	28.78	80.6 Tau
20 Jul 2012	04h25m08.79s	+20 52' 06.2"	5.0157	5.6143	-2.1	49.6	8.9	2.45	58.37	28.56	80.7 Tau
21 Jul 2012	04h25m56.77s	+20 53' 53.7"	5.0159	5.6027	-2.1	50.4	9.0	2.89	58.96	28.34	80.8 Tau
22 Jul 2012	04h26m44.39s	+20 55' 39.5"	5.0162	5.5911	-2.1	51.1	9.1	3.33	59.55	28.11	80.9 Tau
23 Jul 2012	04h27m31.64s	+20 57' 23.5"	5.0165	5.5792	-2.1	51.9	9.2	3.77	60.14	27.88	80.9 Tau
24 Jul 2012	04h28m18.53s	+20 59' 05.8"	5.0167	5.5673	-2.1	52.7	9.3	4.22	60.73	27.65	81.0 Tau
25 Jul 2012	04h29m05.05s	+21 00' 46.4"	5.0170	5.5552	-2.1	53.4	9.4	4.67	61.32	27.41	81.1 Tau
26 Jul 2012	04h29m51.18s	+21 02' 25.2"	5.0173	5.5430	-2.1	54.2	9.5	5.12	61.91	27.17	81.2 Tau
27 Jul 2012	04h30m36.92s	+21 04' 02.3"	5.0175	5.5307	-2.1	55.0	9.5	5.58	62.49	26.92	81.2 Tau
28 Jul 2012	04h31m22.27s	+21 05' 37.6"	5.0178	5.5183	-2.1	55.8	9.6	6.03	63.08	26.68	81.3 Tau
29 Jul 2012	04h32m07.22s	+21 07' 11.2"	5.0180	5.5057	-2.1	56.5	9.7	6.49	63.67	26.42	81.4 Tau
30 Jul 2012	04h32m51.76s	+21 08' 43.1"	5.0183	5.4931	-2.1	57.3	9.8	6.96	64.26	26.17	81.5 Tau
31 Jul 2012	04h33m35.89s	+21 10' 13.4"	5.0186	5.4803	-2.2	58.1	9.9	7.42	64.85	25.91	81.5 Tau
1 Aug 2012	04h34m19.59s	+21 11' 41.9"	5.0188	5.4674	-2.2	58.9	10.0	7.89	65.44	25.65	81.6 Tau
2 Aug 2012	04h35m02.88s	+21 13' 08.7"	5.0191	5.4544	-2.2	59.7	10.1	8.37	66.03	25.38	81.7 Tau
3 Aug 2012	04h35m45.72s	+21 14' 33.8"	5.0194	5.4412	-2.2	60.5	10.1	8.84	66.62	25.11	81.7 Tau
4 Aug 2012	04h36m28.13s	+21 15' 57.3"	5.0196	5.4280	-2.2	61.3	10.2	9.32	67.21	24.84	81.8 Tau
5 Aug 2012	04h37m10.09s	+21 17' 19.1"	5.0199	5.4147	-2.2	62.1	10.3	9.80	67.80	24.56	81.9 Tau
6 Aug 2012	04h37m51.59s	+21 18' 39.3"	5.0202	5.4013	-2.2	62.8	10.4	10.28	68.40	24.28	82.0 Tau
7 Aug 2012	04h38m32.63s	+21 19' 57.8"	5.0204	5.3877	-2.2	63.6	10.4	10.76	68.99	23.99	82.0 Tau
8 Aug 2012	04h39m13.20s	+21 21' 14.6"	5.0207	5.3741	-2.2	64.4	10.5	11.25	69.59	23.70	82.1 Tau
9 Aug 2012	04h39m53.29s	+21 22' 29.9"	5.0210	5.3604	-2.2	65.2	10.6	11.74	70.18	23.41	82.2 Tau

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Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA
10 Aug 2012	04h40m32.88s	+21 23' 43.5"	5.0212	5.3465	-2.2	66.0	10.6	12.23	70.78	23.11	82.2 Tau
11 Aug 2012	04h41m11.99s	+21 24' 55.5"	5.0215	5.3326	-2.2	66.9	10.7	12.73	71.38	22.80	82.3 Tau
12 Aug 2012	04h41m50.58s	+21 26' 05.8"	5.0218	5.3186	-2.2	67.7	10.8	13.23	71.98	22.49	82.3 Tau
13 Aug 2012	04h42m28.66s	+21 27' 14.6"	5.0220	5.3046	-2.2	68.5	10.8	13.73	72.58	22.18	82.4 Tau
14 Aug 2012	04h43m06.22s	+21 28' 21.8"	5.0223	5.2904	-2.2	69.3	10.9	14.23	73.18	21.86	82.5 Tau
15 Aug 2012	04h43m43.24s	+21 29' 27.4"	5.0226	5.2761	-2.2	70.1	10.9	14.74	73.79	21.53	82.5 Tau
16 Aug 2012	04h44m19.73s	+21 30' 31.5"	5.0228	5.2618	-2.2	70.9	11.0	15.24	74.40	21.20	82.6 Tau
17 Aug 2012	04h44m55.66s	+21 31' 33.9"	5.0231	5.2474	-2.2	71.7	11.0	15.75	75.00	20.87	82.7 Tau
18 Aug 2012	04h45m31.03s	+21 32' 34.9"	5.0234	5.2329	-2.2	72.6	11.1	16.27	75.62	20.53	82.7 Tau
19 Aug 2012	04h46m05.84s	+21 33' 34.3"	5.0237	5.2184	-2.3	73.4	11.1	16.78	76.23	20.18	82.8 Tau
20 Aug 2012	04h46m40.07s	+21 34' 32.1"	5.0239	5.2038	-2.3	74.2	11.2	17.30	76.84	19.84	82.8 Tau
21 Aug 2012	04h47m13.72s	+21 35' 28.4"	5.0242	5.1891	-2.3	75.1	11.2	17.82	77.46	19.48	82.9 Tau
22 Aug 2012	04h47m46.78s	+21 36' 23.3"	5.0245	5.1744	-2.3	75.9	11.3	18.34	78.08	19.13	82.9 Tau
23 Aug 2012	04h48m19.23s	+21 37' 16.6"	5.0247	5.1596	-2.3	76.7	11.3	18.87	78.71	18.76	83.0 Tau
24 Aug 2012	04h48m51.08s	+21 38' 08.4"	5.0250	5.1448	-2.3	77.6	11.3	19.39	79.33	18.40	83.0 Tau
25 Aug 2012	04h49m22.32s	+21 38' 58.8"	5.0253	5.1299	-2.3	78.4	11.4	19.92	79.96	18.03	83.1 Tau
26 Aug 2012	04h49m52.94s	+21 39' 47.6"	5.0256	5.1150	-2.3	79.3	11.4	20.45	80.60	17.66	83.2 Tau
27 Aug 2012	04h50m22.93s	+21 40' 35.1"	5.0258	5.1000	-2.3	80.1	11.4	20.99	81.24	17.28	83.2 Tau
28 Aug 2012	04h50m52.29s	+21 41' 21.1"	5.0261	5.0850	-2.3	81.0	11.4	21.52	81.88	16.90	83.3 Tau
29 Aug 2012	04h51m21.00s	+21 42' 05.6"	5.0264	5.0699	-2.3	81.8	11.5	22.06	82.52	16.51	83.3 Tau
30 Aug 2012	04h51m49.07s	+21 42' 48.7"	5.0267	5.0548	-2.3	82.7	11.5	22.60	83.17	16.13	83.4 Tau
31 Aug 2012	04h52m16.48s	+21 43' 30.4"	5.0269	5.0397	-2.3	83.5	11.5	23.14	83.82	15.73	83.4 Tau
1 Sep 2012	04h52m43.22s	+21 44' 10.7"	5.0272	5.0246	-2.3	84.4	11.5	23.69	84.48	15.34	83.5 Tau
2 Sep 2012	04h53m09.30s	+21 44' 49.7"	5.0275	5.0094	-2.3	85.3	11.5	24.23	85.14	14.93	83.5 Tau
3 Sep 2012	04h53m34.70s	+21 45' 27.2"	5.0278	4.9943	-2.3	86.1	11.5	24.78	85.80	14.53	83.5 Tau
4 Sep 2012	04h53m59.41s	+21 46' 03.4"	5.0280	4.9791	-2.3	87.0	11.6	25.33	86.47	14.12	83.6 Tau
5 Sep 2012	04h54m23.42s	+21 46' 38.2"	5.0283	4.9639	-2.4	87.9	11.6	25.89	87.15	13.70	83.6 Tau
6 Sep 2012	04h54m46.73s	+21 47' 11.6"	5.0286	4.9486	-2.4	88.7	11.6	26.44	87.83	13.28	83.7 Tau
7 Sep 2012	04h55m09.33s	+21 47' 43.7"	5.0289	4.9334	-2.4	89.6	11.6	27.00	88.52	12.86	83.7 Tau
8 Sep 2012	04h55m31.20s	+21 48' 14.5"	5.0292	4.9182	-2.4	90.5	11.6	27.55	89.21	12.43	83.8 Tau
9 Sep 2012	04h55m52.35s	+21 48' 43.9"	5.0294	4.9029	-2.4	91.4	11.5	28.11	89.91	11.99	83.8 Tau
10 Sep 2012	04h56m12.76s	+21 49' 12.1"	5.0297	4.8877	-2.4	92.3	11.5	28.67	90.61	11.55	83.8 Tau
11 Sep 2012	04h56m32.42s	+21 49' 38.9"	5.0300	4.8725	-2.4	93.2	11.5	29.24	91.32	11.11	83.9 Tau
12 Sep 2012	04h56m51.33s	+21 50' 04.4"	5.0303	4.8573	-2.4	94.1	11.5	29.80	92.04	10.66	83.9 Tau
13 Sep 2012	04h57m09.47s	+21 50' 28.6"	5.0306	4.8421	-2.4	95.0	11.5	30.37	92.77	10.21	83.9 Tau
14 Sep 2012	04h57m26.85s	+21 50' 51.6"	5.0308	4.8269	-2.4	95.9	11.5	30.93	93.50	9.75	84.0 Tau
15 Sep 2012	04h57m43.45s	+21 51' 13.3"	5.0311	4.8118	-2.4	96.8	11.4	31.50	94.24	9.29	84.0 Tau
16 Sep 2012	04h57m59.26s	+21 51' 33.7"	5.0314	4.7967	-2.4	97.7	11.4	32.07	94.99	8.83	84.0 Tau
17 Sep 2012	04h58m14.29s	+21 51' 52.8"	5.0317	4.7816	-2.4	98.6	11.4	32.64	95.74	8.36	84.1 Tau
18 Sep 2012	04h58m28.51s	+21 52' 10.7"	5.0320	4.7665	-2.4	99.6	11.4	33.21	96.51	7.89	84.1 Tau
19 Sep 2012	04h58m41.94s	+21 52' 27.4"	5.0323	4.7515	-2.5	100.5	11.3	33.78	97.28	7.41	84.1 Tau
20 Sep 2012	04h58m54.55s	+21 52' 42.8"	5.0325	4.7366	-2.5	101.4	11.3	34.36	98.06	6.93	84.2 Tau
21 Sep 2012	04h59m06.36s	+21 52' 57.0"	5.0328	4.7217	-2.5	102.3	11.2	34.93	98.86	6.45	84.2 Tau
22 Sep 2012	04h59m17.34s	+21 53' 10.0"	5.0331	4.7068	-2.5	103.3	11.2	35.51	99.66	5.97	84.2 Tau
23 Sep 2012	04h59m27.51s	+21 53' 21.7"	5.0334	4.6920	-2.5	104.2	11.1	36.08	100.47	5.48	84.2 Tau
24 Sep 2012	04h59m36.84s	+21 53' 32.2"	5.0337	4.6773	-2.5	105.2	11.1	36.66	101.30	5.00	84.3 Tau
25 Sep 2012	04h59m45.36s	+21 53' 41.5"	5.0340	4.6626	-2.5	106.1	11.0	37.23	102.13	4.51	84.3 Tau
26 Sep 2012	04h59m53.03s	+21 53' 49.7"	5.0342	4.6480	-2.5	107.1	11.0	37.81	102.98	4.02	84.3 Tau
27 Sep 2012	04h59m59.88s	+21 53' 56.6"	5.0345	4.6335	-2.5	108.0	10.9	38.38	103.84	3.53	84.4 Tau
28 Sep 2012	05h00m05.88s	+21 54' 02.3"	5.0348	4.6191	-2.5	109.0	10.8	38.96	104.71	3.03	84.4 Tau
29 Sep 2012	05h00m11.04s	+21 54' 06.9"	5.0351	4.6048	-2.5	109.9	10.8	39.53	105.60	2.53	84.4 Tau
30 Sep 2012	05h00m15.36s	+21 54' 10.2"	5.0354	4.5905	-2.5	110.9	10.7	40.11	106.49	2.03	84.5 Tau
1 Okt 2012	05h00m18.82s	+21 54' 12.4"	5.0357	4.5764	-2.5	111.9	10.6	40.68	107.41	1.53	84.6 Tau
2 Okt 2012	05h00m21.43s	+21 54' 13.4"	5.0360	4.5623	-2.5	112.8	10.6	41.25	108.33	1.03	84.7 Tau
3 Okt 2012	05h00m23.18s	+21 54' 13.2"	5.0363	4.5483	-2.5	113.8	10.5	41.82	109.28	0.53	85.1 Tau
4 Okt 2012	05h00m24.08s	+21 54' 11.9"	5.0365	4.5345	-2.6	114.8	10.4	42.39	110.24	0.02	103.8 Tau
5 Okt 2012	05h00m24.11s	+21 54' 09.4"	5.0368	4.5207	-2.6	115.8	10.3	42.96	111.21	0.49	263.5 Tau
6 Okt 2012	05h00m23.28s	+21 54' 05.7"	5.0371	4.5071	-2.6	116.8	10.2	43.53	112.20	0.99	263.9 Tau
7 Okt 2012	05h00m21.58s	+21 54' 00.9"	5.0374	4.4936	-2.6	117.8	10.1	44.09	113.21	1.50	264.1 Tau
8 Okt 2012	05h00m19.02s	+21 53' 54.8"	5.0377	4.4802	-2.6	118.8	10.0	44.65	114.24	2.01	264.1 Tau
9 Okt 2012	05h00m15.58s	+21 53' 47.7"	5.0380	4.4670	-2.6	119.8	9.9	45.21	115.29	2.52	264.2 Tau
10 Okt 2012	05h00m11.28s	+21 53' 39.3"	5.0383	4.4539	-2.6	120.8	9.8	45.76	116.35	3.04	264.2 Tau
11 Okt 2012	05h00m06.10s	+21 53' 29.8"	5.0386	4.4409	-2.6	121.8	9.7	46.32	117.44	3.55	264.3 Tau
12 Okt 2012	05h00m00.06s	+21 53' 19.2"	5.0389	4.4281	-2.6	122.8	9.6	46.86	118.55	4.06	264.3 Tau
13 Okt 2012	04h59m53.15s	+21 53' 07.3"	5.0392	4.4154	-2.6	123.8	9.5	47.41	119.67	4.57	264.3 Tau
14 Okt 2012	04h59m45.37s	+21 52' 54.3"	5.0394	4.4029	-2.6	124.8	9.4	47.95	120.83	5.07	264.3 Tau
15 Okt 2012	04h59m36.73s	+21 52' 40.2"	5.0397	4.3905	-2.6	125.8	9.2	48.48	122.00	5.58	264.3 Tau
16 Okt 2012	04h59m27.23s	+21 52' 24.8"	5.0400	4.3783	-2.6	126.9	9.1	49.01	123.20	6.08	264.3 Tau
17 Okt 2012	04h59m16.87s	+21 52' 08.4"	5.0403	4.3663	-2.6	127.9	9.0	49.53	124.42	6.59	264.3 Tau
18 Okt 2012	04h59m05.66s	+21 51' 50.7"	5.0406	4.3544	-2.6	128.9	8.8	50.05	125.67	7.08	264.3 Tau
19 Okt 2012	04h58m53.61s	+21 51' 31.9"	5.0409	4.3427	-2.7	130.0	8.7	50.56	126.95	7.58	264.3 Tau
20 Okt 2012	04h58m40.73s	+21 51' 11.9"	5.0412	4.3312	-2.7	131.0	8.6	51.06	128.25	8.06	264.3 Tau
21 Okt 2012	04h58m27.01s	+21 50' 50.8"	5.0415	4.3199	-2.7	132.1	8.4	51.56	129.58	8.55	264.2 Tau
22 Okt 2012	04h58m12.48s	+21 50' 28.5"	5.0418	4.3088	-2.7	133.1	8.3	52.05	130.94	9.03	264.2 Tau

EPHEMERIDE 2012 – JUPITER

Datum	RA	Deklination	r	delta	mag	Elong	Phase	Höhe	Az.	Gesch.	PA	
23 Okt 2012	04h57m57.13s	+21 50' 05.0"	5.0421	4.2979	-2.7	134.2	8.1	52.52	132.33	9.50	264.2	Tau
24 Okt 2012	04h57m40.98s	+21 49' 40.4"	5.0424	4.2872	-2.7	135.2	8.0	52.99	133.74	9.97	264.2	Tau
25 Okt 2012	04h57m24.04s	+21 49' 14.6"	5.0427	4.2767	-2.7	136.3	7.8	53.45	135.19	10.44	264.2	Tau
26 Okt 2012	04h57m06.31s	+21 48' 47.7"	5.0430	4.2664	-2.7	137.4	7.7	53.90	136.67	10.89	264.2	Tau
27 Okt 2012	04h56m47.80s	+21 48' 19.7"	5.0433	4.2564	-2.7	138.4	7.5	54.34	138.18	11.35	264.1	Tau
28 Okt 2012	04h56m28.54s	+21 47' 50.4"	5.0436	4.2465	-2.7	139.5	7.3	54.76	139.72	11.79	264.1	Tau
29 Okt 2012	04h56m08.51s	+21 47' 20.1"	5.0439	4.2369	-2.7	140.6	7.2	55.17	141.29	12.23	264.1	Tau
30 Okt 2012	04h55m47.75s	+21 46' 48.6"	5.0442	4.2275	-2.7	141.7	7.0	55.57	142.90	12.67	264.1	Tau
31 Okt 2012	04h55m26.25s	+21 46' 16.0"	5.0445	4.2183	-2.7	142.7	6.8	55.95	144.54	13.09	264.1	Tau
1 Nov 2012	04h55m04.04s	+21 45' 42.2"	5.0448	4.2094	-2.7	143.8	6.7	56.32	146.21	13.51	264.0	Tau
2 Nov 2012	04h54m41.12s	+21 45' 07.3"	5.0451	4.2007	-2.7	144.9	6.5	56.68	147.91	13.93	264.0	Tau
3 Nov 2012	04h54m17.50s	+21 44' 31.3"	5.0454	4.1922	-2.7	146.0	6.3	57.01	149.65	14.33	264.0	Tau
4 Nov 2012	04h53m53.20s	+21 43' 54.2"	5.0457	4.1840	-2.7	147.1	6.1	57.33	151.41	14.72	264.0	Tau
5 Nov 2012	04h53m28.24s	+21 43' 16.0"	5.0460	4.1761	-2.8	148.2	5.9	57.64	153.21	15.11	263.9	Tau
6 Nov 2012	04h53m02.63s	+21 42' 36.8"	5.0463	4.1684	-2.8	149.3	5.8	57.92	155.04	15.49	263.9	Tau
7 Nov 2012	04h52m36.39s	+21 41' 56.4"	5.0466	4.1609	-2.8	150.4	5.6	58.18	156.89	15.86	263.9	Tau
8 Nov 2012	04h52m09.53s	+21 41' 14.9"	5.0469	4.1538	-2.8	151.5	5.4	58.43	158.78	16.22	263.8	Tau
9 Nov 2012	04h51m42.07s	+21 40' 32.5"	5.0472	4.1469	-2.8	152.6	5.2	58.65	160.69	16.56	263.8	Tau
10 Nov 2012	04h51m14.03s	+21 39' 48.9"	5.0475	4.1402	-2.8	153.8	5.0	58.85	162.63	16.90	263.8	Tau
11 Nov 2012	04h50m45.43s	+21 39' 04.4"	5.0478	4.1339	-2.8	154.9	4.8	59.03	164.58	17.23	263.7	Tau
12 Nov 2012	04h50m16.28s	+21 38' 18.8"	5.0481	4.1278	-2.8	156.0	4.6	59.19	166.57	17.54	263.7	Tau
13 Nov 2012	04h49m46.62s	+21 37' 32.3"	5.0484	4.1220	-2.8	157.1	4.4	59.33	168.57	17.84	263.7	Tau
14 Nov 2012	04h49m16.46s	+21 36' 44.7"	5.0487	4.1165	-2.8	158.2	4.2	59.44	170.58	18.13	263.6	Tau
15 Nov 2012	04h48m45.82s	+21 35' 56.3"	5.0490	4.1112	-2.8	159.4	4.0	59.52	172.61	18.40	263.6	Tau
16 Nov 2012	04h48m14.74s	+21 35' 06.9"	5.0493	4.1063	-2.8	160.5	3.8	59.59	174.66	18.66	263.6	Tau
17 Nov 2012	04h47m43.22s	+21 34' 16.6"	5.0496	4.1017	-2.8	161.6	3.5	59.63	176.71	18.90	263.5	Tau
18 Nov 2012	04h47m11.31s	+21 33' 25.4"	5.0499	4.0973	-2.8	162.7	3.3	59.64	178.76	19.13	263.5	Tau
19 Nov 2012	04h46m39.02s	+21 32' 33.4"	5.0502	4.0933	-2.8	163.9	3.1	59.63	180.83	19.35	263.5	Tau
20 Nov 2012	04h46m06.38s	+21 31' 40.6"	5.0505	4.0895	-2.8	165.0	2.9	59.59	182.89	19.55	263.4	Tau
21 Nov 2012	04h45m33.41s	+21 30' 47.0"	5.0508	4.0861	-2.8	166.2	2.7	59.53	184.94	19.73	263.4	Tau
22 Nov 2012	04h45m00.15s	+21 29' 52.7"	5.0511	4.0829	-2.8	167.3	2.5	59.44	187.00	19.91	263.4	Tau
23 Nov 2012	04h44m26.60s	+21 28' 57.6"	5.0514	4.0801	-2.8	168.4	2.2	59.33	189.04	20.06	263.3	Tau
24 Nov 2012	04h44m52.81s	+21 28' 01.9"	5.0517	4.0776	-2.8	169.6	2.0	59.19	191.08	20.20	263.3	Tau
25 Nov 2012	04h43m18.79s	+21 27' 05.6"	5.0520	4.0754	-2.8	170.7	1.8	59.03	193.10	20.33	263.2	Tau
26 Nov 2012	04h42m44.58s	+21 26' 08.6"	5.0523	4.0734	-2.8	171.8	1.6	58.85	195.10	20.44	263.2	Tau
27 Nov 2012	04h42m10.18s	+21 25' 11.1"	5.0526	4.0718	-2.8	173.0	1.4	58.64	197.08	20.54	263.2	Tau
28 Nov 2012	04h41m35.65s	+21 24' 13.1"	5.0529	4.0706	-2.8	174.1	1.1	58.41	199.05	20.62	263.1	Tau
29 Nov 2012	04h41m00.98s	+21 23' 14.6"	5.0532	4.0696	-2.8	175.3	0.9	58.15	200.99	20.68	263.1	Tau
30 Nov 2012	04h40m26.23s	+21 22' 15.7"	5.0536	4.0689	-2.8	176.4	0.7	57.88	202.91	20.73	263.1	Tau
1 Dez 2012	04h39m51.40s	+21 21' 16.4"	5.0539	4.0686	-2.8	177.5	0.5	57.58	204.80	20.77	263.0	Tau
2 Dez 2012	04h39m16.52s	+21 20' 16.8"	5.0542	4.0685	-2.8	178.5	0.3	57.26	206.66	20.79	263.0	Tau
3 Dez 2012	04h38m41.63s	+21 19' 16.9"	5.0545	4.0688	-2.8	179.2	0.2	56.92	208.50	20.79	262.9	Tau
4 Dez 2012	04h38m06.75s	+21 18' 16.7"	5.0548	4.0694	-2.8	178.7	0.3	56.56	210.31	20.78	262.9	Tau
5 Dez 2012	04h37m31.90s	+21 17' 16.4"	5.0551	4.0703	-2.8	177.6	0.5	56.19	212.08	20.75	262.9	Tau
6 Dez 2012	04h36m57.11s	+21 16' 16.0"	5.0554	4.0715	-2.8	176.5	0.7	55.79	213.83	20.71	262.8	Tau
7 Dez 2012	04h36m22.40s	+21 15' 15.4"	5.0557	4.0731	-2.8	175.4	0.9	55.38	215.55	20.65	262.8	Tau
8 Dez 2012	04h35m47.82s	+21 14' 14.9"	5.0560	4.0749	-2.8	174.3	1.1	54.95	217.23	20.58	262.8	Tau
9 Dez 2012	04h35m13.37s	+21 13' 14.4"	5.0563	4.0771	-2.8	173.1	1.3	54.51	218.88	20.48	262.8	Tau
10 Dez 2012	04h34m39.09s	+21 12' 14.0"	5.0566	4.0796	-2.8	172.0	1.6	54.05	220.50	20.38	262.7	Tau
11 Dez 2012	04h34m05.01s	+21 11' 13.7"	5.0570	4.0824	-2.8	170.8	1.8	53.57	222.09	20.25	262.7	Tau
12 Dez 2012	04h33m31.15s	+21 10' 13.7"	5.0573	4.0855	-2.8	169.7	2.0	53.09	223.65	20.11	262.7	Tau
13 Dez 2012	04h32m57.55s	+21 09' 14.0"	5.0576	4.0889	-2.8	168.5	2.2	52.59	225.18	19.95	262.6	Tau
14 Dez 2012	04h32m24.22s	+21 08' 14.5"	5.0579	4.0926	-2.8	167.4	2.4	52.07	226.68	19.78	262.6	Tau
15 Dez 2012	04h31m51.20s	+21 07' 15.5"	5.0582	4.0967	-2.8	166.3	2.7	51.55	228.14	19.59	262.6	Tau
16 Dez 2012	04h31m18.51s	+21 06' 17.0"	5.0585	4.1010	-2.8	165.1	2.9	51.02	229.58	19.39	262.6	Tau
17 Dez 2012	04h30m46.18s	+21 05' 18.9"	5.0588	4.1057	-2.8	164.0	3.1	50.47	230.99	19.17	262.6	Tau
18 Dez 2012	04h30m14.23s	+21 04' 21.5"	5.0591	4.1106	-2.8	162.8	3.3	49.92	232.37	18.93	262.5	Tau
19 Dez 2012	04h29m42.69s	+21 03' 24.7"	5.0595	4.1159	-2.8	161.7	3.5	49.35	233.73	18.68	262.5	Tau
20 Dez 2012	04h29m11.58s	+21 02' 28.6"	5.0598	4.1215	-2.8	160.5	3.7	48.78	235.05	18.42	262.5	Tau
21 Dez 2012	04h28m40.92s	+21 01' 33.3"	5.0601	4.1273	-2.8	159.4	3.9	48.20	236.35	18.15	262.5	Tau
22 Dez 2012	04h28m10.73s	+21 00' 38.8"	5.0604	4.1335	-2.8	158.3	4.1	47.61	237.63	17.86	262.5	Tau
23 Dez 2012	04h27m41.04s	+20 59' 45.3"	5.0607	4.1399	-2.8	157.1	4.3	47.02	238.88	17.56	262.5	Tau
24 Dez 2012	04h27m11.86s	+20 58' 52.6"	5.0610	4.1466	-2.8	156.0	4.5	46.42	240.11	17.25	262.5	Tau
25 Dez 2012	04h26m43.22s	+20 58' 01.0"	5.0613	4.1536	-2.8	154.9	4.7	45.81	241.31	16.92	262.5	Tau
26 Dez 2012	04h26m15.13s	+20 57' 10.4"	5.0617	4.1609	-2.8	153.7	4.9	45.20	242.50	16.59	262.5	Tau
27 Dez 2012	04h25m47.62s	+20 56' 21.0"	5.0620	4.1684	-2.8	152.6	5.1	44.59	243.66	16.24	262.5	Tau
28 Dez 2012	04h25m20.69s	+20 55' 32.7"	5.0623	4.1763	-2.7	151.5	5.3	43.97	244.80	15.88	262.5	Tau
29 Dez 2012	04h24m54.37s	+20 54' 45.6"	5.0626	4.1844	-2.7	150.4	5.5	43.34	245.92	15.52	262.5	Tau
30 Dez 2012	04h24m28.67s	+20 53' 59.9"	5.0629	4.1927	-2.7	149.3	5.7	42.71	247.02	15.14	262.5	Tau
31 Dez 2012	04h24m03.61s	+20 53' 15.4"	5.0632	4.2014	-2.7	148.1	5.9	42.08	248.10	14.75	262.5	Tau
1 Jan 2013	04h23m39.20s	+20 52' 32.4"	5.0636	4.2103	-2.7	147.0	6.1	41.45	249.17	14.36	262.5	Tau