

## JULY 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>1 UT</b>	<b>+Saturn</b>	<b>+Sabik</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	25 46.2 2457	6 54.4 2685	67 10.9 2763	72 43.2 2886	87 22.5 2687
3	27 28.4 2443	8 31.4 2597	65 35.6 2757	71 10.6 2882	85 45.6 2674
6	29 10.9 2428	10 10.4 2541	64 0.2 2754	69 37.9 2878	84 8.4 2663
9	30 53.8 2415	11 50.6 2501	62 24.7 2751	68 5.1 2876	82 30.9 2652
12	32 37.1 2402	13 31.8 2471	60 49.2 2750	66 32.3 2876	80 53.2 2642
15	34 20.6 2389	15 13.7 2446	59 13.7 2751	64 59.5 2877	79 15.2 2633
18	36 4.4 2376	16 56.2 2425	57 38.1 2752	63 26.7 2879	77 37.0 2624
21	37 48.6 2364	18 39.1 2407	56 2.6 2756	61 53.9 2884	75 58.7 2616
<b>2 UT</b>	<b>+Saturn</b>	<b>+Sabik</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	39 33.0 2352	20 22.5 2390	54 27.2 2762	60 21.3 2891	74 20.1 2609
3	41 17.7 2341	22 6.4 2375	52 52.0 2770	58 48.8 2899	72 41.4 2602
6	43 2.7 2330	23 50.5 2362	51 16.8 2781	57 16.4 2911	71 2.6 2598
9	44 47.9 2320	25 35.0 2348	49 42.0 2794	55 44.4 2925	69 23.6 2593
12	46 33.4 2310	27 19.8 2337	48 7.4 2811	54 12.6 2942	67 44.5 2590
15	48 19.1 2300	29 4.9 2325	46 33.2 2831	52 41.2 2963	66 5.4 2588
18	50 5.1 2291	30 50.3 2315	44 59.4 2856	51 10.2 2986	64 26.2 2588
21	51 51.3 2282	32 35.9 2305	43 26.2 2884	49 39.7 3015	62 47.1 2589
<b>3 UT</b>	<b>+Saturn</b>	<b>+Sabik</b>	<b>+Shaula</b>	<b>+Nunki</b>	<b>–Markab</b>
0	53 37.7 2274	34 21.7 2296	33 18.1 3152	12 59.3 3340	61 7.9 2591
3	55 24.3 2266	36 7.8 2287	34 45.2 3070	14 22.7 3103	59 28.8 2594
6	57 11.1 2259	37 54.1 2279	36 13.9 2998	15 50.7 2933	57 49.7 2600
9	58 58.1 2252	39 40.6 2271	37 44.2 2935	17 22.4 2806	56 10.8 2607
12	60 45.3 2245	41 27.3 2264	39 15.8 2878	18 56.7 2709	54 32.1 2616
15	62 32.6 2240	43 14.2 2257	40 48.5 2829	20 33.1 2633	52 53.5 2627
18	64 20.1 2233	45 1.2 2251	42 22.4 2785	22 11.3 2573	51 15.2 2641
21	66 7.7 2228	46 48.4 2246	43 57.1 2746	23 50.8 2524	49 37.3 2658
<b>4 UT</b>	<b>+Saturn</b>	<b>+Shaula</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>–Markab</b>
0	67 55.4 2223	45 32.8 2711	35 1.7 2785	25 31.5 2484	47 59.7 2677
3	69 43.3 2219	47 9.2 2679	36 36.5 2736	27 13.1 2451	46 22.5 2701
6	71 31.3 2215	48 46.3 2651	38 12.3 2693	28 55.4 2424	44 45.9 2727
9	73 19.3 2212	50 24.1 2626	39 49.2 2655	30 38.4 2400	43 9.8 2759
12	75 7.5 2208	52 2.4 2604	41 26.8 2622	32 22.0 2380	41 34.4 2795
15	76 55.7 2206	53 41.2 2584	43 5.2 2594	34 6.0 2363	39 59.9 2838
18	78 44.0 2203	55 20.5 2566	44 44.2 2568	35 50.5 2348	38 26.2 2887
21	80 32.4 2202	57 0.2 2550	46 23.9 2546	37 35.3 2336	36 53.7 2944
<b>5 UT</b>	<b>+Antares</b>	<b>+Sabik</b>	<b>+Shaula</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>
0	71 45.8 2272	62 58.0 2215	58 40.2 2536	48 4.0 2526	39 20.4 2326
3	73 32.5 2269	64 46.0 2214	60 20.6 2523	49 44.6 2508	41 5.7 2316
6	75 19.2 2268	66 34.1 2213	62 1.2 2512	51 25.7 2493	42 51.3 2309
9	77 6.0 2267	68 22.3 2213	63 42.2 2503	53 7.0 2480	44 37.1 2303
12	78 52.8 2266	70 10.4 2213	65 23.3 2494	54 48.7 2468	46 23.0 2297
15	80 39.6 2266	71 58.5 2213	67 4.6 2488	56 30.6 2458	48 9.0 2293
18	82 26.4 2266	73 46.6 2214	68 46.1 2482	58 12.8 2449	49 55.2 2289
21	84 13.2 2267	75 34.7 2215	70 27.8 2477	59 55.2 2442	51 41.5 2286

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<b>6 UT</b>	<b>+Sabik</b>	<b>+Shaula</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>+Altair</b>
0	77 22.8 2216	72 9.5 2473	61 37.8 2436	53 27.8 2285	41 50.6 3268
3	79 10.9 2218	73 51.4 2470	63 20.5 2430	55 14.1 2283	43 15.4 3201
6	80 58.9 2220	75 33.3 2468	65 3.4 2427	57 0.5 2283	44 41.5 3142
9	82 46.8 2223	77 15.2 2467	66 46.3 2423	58 46.9 2283	46 8.8 3090
12	84 34.7 2225	78 57.2 2467	68 29.3 2421	60 33.3 2283	47 37.2 3043
15	86 22.5 2228	80 39.2 2467	70 12.4 2420	62 19.7 2284	49 6.5 3003
18	88 10.3 2231	82 21.2 2468	71 55.5 2418	64 6.1 2285	50 36.7 2966
21	89 58.0 2235	84 3.1 2471	73 38.6 2419	65 52.4 2287	52 7.6 2935
<b>7 UT</b>	<b>+Shaula</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>+Altair</b>	<b>–Sun</b>
0	85 45.0 2473	75 21.7 2420	67 38.7 2290	53 39.1 2907	114 27.9 2554
3	87 26.9 2476	77 4.8 2421	69 25.0 2292	55 11.3 2882	112 47.9 2558
6	89 8.6 2480	78 47.9 2423	71 11.1 2296	56 44.0 2860	111 8.1 2563
9	90 50.3 2485	80 30.9 2425	72 57.2 2299	58 17.1 2841	109 28.3 2566
12	92 31.9 2490	82 13.9 2429	74 43.2 2303	59 50.7 2824	107 48.6 2571
15	94 13.3 2496	83 56.8 2432	76 29.1 2307	61 24.6 2810	106 9.1 2576
18	95 54.6 2503	85 39.6 2437	78 15.0 2311	62 58.9 2798	104 29.6 2581
21	97 35.7 2510	87 22.3 2441	80 0.7 2316	64 33.4 2787	102 50.3 2586
<b>8 UT</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>+Altair</b>	<b>+Enif</b>	<b>–Sun</b>
0	89 4.9 2446	81 46.3 2321	66 8.1 2778	38 24.7 2970	101 11.1 2592
3	90 47.3 2452	83 31.7 2326	67 43.0 2771	39 55.5 2926	99 32.0 2598
6	92 29.7 2458	85 17.1 2331	69 18.1 2766	41 27.3 2887	97 53.0 2603
9	94 11.9 2465	87 2.3 2337	70 53.3 2761	42 59.8 2854	96 14.2 2609
12	95 53.9 2472	88 47.4 2343	72 28.7 2758	44 33.1 2826	94 35.5 2616
15	97 35.8 2479	90 32.3 2349	74 4.0 2756	46 7.0 2801	92 56.9 2622
18	99 17.5 2487	92 17.1 2355	75 39.5 2755	47 41.5 2780	91 18.5 2629
21	100 59.0 2495	94 1.8 2361	77 14.9 2754	49 16.3 2761	89 40.3 2635
<b>9 UT</b>	<b>+Nunki</b>	<b>+Altair</b>	<b>+Enif</b>	<b>+Fomalhaut</b>	<b>–Sun</b>
0	95 46.3 2368	78 50.4 2756	50 51.6 2746	47 36.5 3057	88 2.1 2642
3	97 30.6 2375	80 25.8 2757	52 27.3 2733	49 5.6 3025	86 24.2 2649
6	99 14.8 2382	82 1.2 2760	54 3.2 2722	50 35.3 2997	84 46.4 2656
9	100 58.8 2389	83 36.5 2764	55 39.4 2712	52 5.5 2972	83 8.8 2663
12	102 42.6 2397	85 11.7 2768	57 15.8 2705	53 36.3 2951	81 31.3 2671
15	104 26.3 2404	86 46.9 2774	58 52.3 2699	55 7.5 2932	79 54.0 2678
18	106 9.7 2412	88 21.9 2780	60 29.0 2694	56 39.2 2917	78 16.8 2685
21	107 53.0 2420	89 56.8 2787	62 5.8 2690	58 11.1 2903	76 39.8 2693
<b>10 UT</b>	<b>+Al na'ir</b>	<b>+Enif</b>	<b>+Fomalhaut</b>	<b>+Markab</b>	<b>–Sun</b>
0	77 12.6 3384	63 42.7 2687	59 43.4 2890	43 49.0 2863	75 3.0 2700
3	78 35.1 3379	65 19.6 2685	61 15.9 2881	45 22.1 2842	73 26.4 2708
6	79 57.8 3375	66 56.6 2685	62 48.6 2873	46 55.7 2824	71 49.9 2716
9	81 20.5 3373	68 33.6 2685	64 21.5 2866	48 29.6 2808	70 13.6 2724
12	82 43.3 3372	70 10.6 2686	65 54.5 2860	50 3.9 2795	68 37.5 2732
15	84 6.1 3373	71 47.5 2688	67 27.7 2856	51 38.5 2784	67 1.5 2740
18	85 28.9 3376	73 24.5 2690	69 0.9 2853	53 13.3 2775	65 25.8 2749
21	86 51.6 3381	75 1.3 2693	70 34.2 2851	54 48.3 2767	63 50.2 2757

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<b>11 UT</b>	<b>+Enif</b>	<b>+Fomalhaut</b>	<b>+Markab</b>	<b>+Diphda</b>	<b>–Sun</b>
0	76 38.2 2696	72 7.6 2850	56 23.5 2761	45 39.7 3031	62 14.8 2765
3	78 14.9 2701	73 40.9 2850	57 58.8 2756	47 9.3 3005	60 39.6 2774
6	79 51.5 2705	75 14.3 2851	59 34.2 2753	48 39.4 2984	59 4.6 2783
9	81 28.1 2711	76 47.6 2853	61 9.7 2750	50 9.9 2965	57 29.7 2791
12	83 4.5 2717	78 20.9 2856	62 45.2 2749	51 40.9 2949	55 55.1 2801
15	84 40.8 2723	79 54.2 2860	64 20.8 2749	53 12.1 2935	54 20.7 2810
18	86 16.9 2729	81 27.3 2864	65 56.3 2749	54 43.7 2924	52 46.4 2819
21	87 52.9 2736	83 0.4 2868	67 31.9 2750	56 15.5 2914	51 12.4 2828
<b>12 UT</b>	<b>+Fomalhaut</b>	<b>+Markab</b>	<b>+Diphda</b>	<b>+Hamal</b>	<b>–Sun</b>
0	84 33.4 2874	69 7.4 2752	57 47.5 2906	26 3.0 3085	49 38.5 2838
3	86 6.3 2880	70 42.9 2755	59 19.7 2900	27 31.4 3029	48 4.9 2847
6	87 39.0 2888	72 18.4 2758	60 52.0 2895	29 1.0 2984	46 31.5 2858
9	89 11.5 2895	73 53.8 2762	62 24.4 2891	30 31.5 2947	44 58.2 2868
12	90 44.0 2903	75 29.0 2766	63 56.9 2888	32 2.9 2917	43 25.3 2878
15	92 16.2 2912	77 4.2 2771	65 29.4 2886	33 34.8 2891	41 52.5 2889
18	93 48.3 2922	78 39.3 2776	67 2.0 2886	35 7.3 2871	40 19.9 2900
21	95 20.1 2932	80 14.3 2783	68 34.6 2887	36 40.2 2854	38 47.6 2912
<b>13 UT</b>	<b>+Markab</b>	<b>+Diphda</b>	<b>+Hamal</b>	<b>+Menkar</b>	<b>–Sun</b>
0	81 49.1 2789	70 7.2 2887	38 13.5 2840	29 29.4 2791	37 15.6 2923
3	83 23.8 2796	71 39.8 2890	39 47.1 2830	31 4.0 2778	35 43.8 2936
6	84 58.4 2803	73 12.3 2892	41 20.9 2821	32 38.9 2768	34 12.2 2949
9	86 32.8 2811	74 44.8 2896	42 54.9 2815	34 14.1 2761	32 40.9 2962
12	88 7.0 2819	76 17.2 2900	44 29.0 2810	35 49.4 2756	31 10.0 2976
15	89 41.0 2828	77 49.5 2905	46 3.3 2807	37 24.8 2752	29 39.2 2991
18	91 14.9 2836	79 21.7 2910	47 37.6 2805	39 0.3 2750	28 8.9 3007
21	92 48.5 2846	80 53.8 2916	49 11.9 2804	40 35.9 2750	26 38.8 3025
<b>14 UT</b>	<b>+Fomalhaut</b>	<b>+Markab</b>	<b>+Hamal</b>	<b>+Menkar</b>	<b>–Sun</b>
0	108 55.2 3058	94 22.0 2856	50 46.3 2805	42 11.4 2751	25 9.1 3044
3	110 24.2 3075	95 55.2 2866	52 20.6 2806	43 47.0 2752	23 39.8 3065
6	111 52.9 3095	97 28.3 2877	53 54.9 2808	45 22.5 2755	22 11.0 3089
9	113 21.1 3115	99 1.1 2888	55 29.2 2811	46 57.9 2758	20 42.6 3115
12	114 49.0 3136	100 33.6 2900	57 3.4 2814	48 33.3 2762	19 14.8 3147
15	116 16.4 3159	102 5.9 2912	58 37.6 2818	50 8.6 2766	17 47.5 3184
18	117 43.4 3183	103 37.9 2925	60 11.6 2823	51 43.8 2771	16 21.1 3229
21	119 9.8 3208	105 9.7 2938	61 45.6 2828	53 18.8 2777	14 55.5 3286
<b>17 UT</b>	<b>+Sun</b>	<b>–Venus</b>	<b>–Spica</b>	<b>–Alphecca</b>	<b>–Antares</b>
0	11 45.7 3547	24 27.9 2950	78 50.9 2861	98 18.6 4105	124 14.3 2932
3	13 5.2 3489	22 56.6 2958	77 17.8 2871	97 8.7 4106	122 42.7 2939
6	14 25.8 3450	21 25.5 2966	75 44.8 2880	95 58.8 4108	121 11.2 2946
9	15 47.1 3422	19 54.6 2975	74 12.1 2889	94 48.9 4111	119 39.8 2953
12	17 9.0 3404	18 23.9 2983	72 39.6 2899	93 39.0 4116	118 8.6 2960
15	18 31.2 3390	16 53.3 2990	71 7.2 2908	92 29.3 4122	116 37.6 2967
18	19 53.6 3382	15 22.9 2999	69 35.1 2917	91 19.6 4129	115 6.7 2974
21	21 16.2 3377	13 52.7 3007	68 3.2 2927	90 10.1 4138	113 36.0 2982

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<b>18 UT</b>	<b>+Sun</b>	<b>–Spica</b>	<b>–Rasalhague</b>	<b>–Sabik</b>	<b>–Shaula</b>
0	22 38.9 3374	66 31.4 2935	120 14.3 3853	120 55.5 2928	124 57.2 3281
3	24 1.7 3373	64 59.9 2944	119 0.2 3834	119 23.8 2937	123 32.7 3278
6	25 24.5 3374	63 28.5 2953	117 45.8 3817	117 52.3 2945	122 8.1 3274
9	26 47.2 3376	61 57.3 2962	116 31.0 3802	116 21.0 2953	120 43.4 3273
12	28 10.0 3378	60 26.3 2970	115 16.0 3789	114 49.8 2961	119 18.7 3271
15	29 32.6 3381	58 55.5 2978	114 0.8 3777	113 18.8 2969	117 53.9 3270
18	30 55.3 3385	57 24.8 2987	112 45.4 3767	111 47.9 2977	116 29.2 3271
21	32 17.8 3389	55 54.4 2995	111 29.8 3758	110 17.2 2984	115 4.4 3271
<b>19 UT</b>	<b>+Sun</b>	<b>–Spica</b>	<b>–Rasalhague</b>	<b>–Shaula</b>	<b>–Kaus Aust.</b>
0	33 40.3 3393	54 24.0 3002	110 14.0 3750	113 39.7 3271	124 13.9 3242
3	35 2.7 3398	52 53.9 3011	108 58.1 3744	112 14.9 3273	122 48.5 3242
6	36 25.0 3403	51 23.9 3018	107 42.1 3738	110 50.2 3274	121 23.2 3240
9	37 47.2 3407	49 54.1 3025	106 26.0 3733	109 25.5 3275	119 57.9 3240
12	39 9.3 3412	48 24.4 3032	105 9.8 3729	108 0.8 3277	118 32.5 3240
15	40 31.4 3417	46 54.8 3039	103 53.6 3725	106 36.2 3279	117 7.2 3240
18	41 53.3 3421	45 25.4 3046	102 37.2 3723	105 11.6 3282	115 41.8 3240
21	43 15.2 3425	43 56.2 3052	101 20.9 3721	103 47.1 3283	114 16.5 3240
<b>20 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Spica</b>	<b>–Saturn</b>	<b>–Nunki</b>
0	44 37.0 3429	11 22.0 3104	42 27.1 3059	76 55.4 3032	120 48.9 3101
3	45 58.7 3433	12 50.1 3107	40 58.1 3065	75 25.9 3037	119 20.8 3103
6	47 20.3 3437	14 18.1 3110	39 29.2 3072	73 56.5 3042	117 52.7 3106
9	48 41.9 3440	15 46.0 3112	38 0.5 3077	72 27.1 3046	116 24.7 3109
12	50 3.4 3444	17 14.0 3114	36 31.9 3083	70 57.9 3050	114 56.7 3111
15	51 24.8 3447	18 41.8 3116	35 3.4 3089	69 28.7 3055	113 28.8 3114
18	52 46.2 3449	20 9.6 3118	33 35.0 3095	67 59.6 3057	112 0.9 3116
21	54 7.6 3451	21 37.4 3118	32 6.8 3100	66 30.6 3060	110 33.1 3117
<b>21 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Saturn</b>	<b>–Nunki</b>	<b>–Altair</b>
0	55 28.9 3454	23 5.2 3120	65 1.6 3063	109 5.3 3119	123 26.0 3689
3	56 50.1 3454	24 33.0 3120	63 32.7 3065	107 37.5 3120	122 9.0 3671
6	58 11.4 3456	26 0.7 3120	62 3.9 3067	106 9.8 3121	120 51.7 3654
9	59 32.6 3457	27 28.5 3119	60 35.0 3068	104 42.1 3122	119 34.2 3638
12	60 53.8 3457	28 56.2 3118	59 6.2 3069	103 14.4 3122	118 16.3 3623
15	62 15.0 3457	30 24.0 3117	57 37.5 3070	101 46.6 3122	116 58.1 3610
18	63 36.2 3456	31 51.8 3115	56 8.7 3070	100 18.9 3121	115 39.8 3596
21	64 57.4 3456	33 19.7 3113	54 39.9 3070	98 51.2 3121	114 21.1 3584
<b>22 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Saturn</b>	<b>–Antares</b>	<b>–Altair</b>
0	66 18.6 3454	34 47.5 3110	53 11.2 3069	64 52.3 3141	113 2.3 3571
3	67 39.9 3452	36 15.5 3108	51 42.4 3068	63 25.0 3142	111 43.2 3560
6	69 1.1 3450	37 43.5 3104	50 13.6 3067	61 57.7 3142	110 23.9 3549
9	70 22.5 3447	39 11.5 3100	48 44.8 3064	60 30.4 3142	109 4.4 3538
12	71 43.8 3444	40 39.7 3096	47 15.9 3063	59 3.1 3142	107 44.7 3528
15	73 5.3 3440	42 7.9 3091	45 47.0 3060	57 35.8 3141	106 24.8 3517
18	74 26.8 3436	43 36.3 3085	44 18.0 3057	56 8.5 3141	105 4.7 3507
21	75 48.4 3432	45 4.7 3080	42 49.0 3053	54 41.1 3140	103 44.5 3498

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<b>23 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Saturn</b>	<b>–Antares</b>	<b>–Peacock</b>
0	77 10.0 3426	46 33.3 3073	41 19.9 3049	53 13.8 3139	96 23.3 4288
3	78 31.8 3421	48 2.0 3067	39 50.7 3045	51 46.4 3138	95 16.3 4277
6	79 53.7 3415	49 30.8 3059	38 21.4 3040	50 19.0 3137	94 9.0 4267
9	81 15.7 3408	50 59.8 3052	36 52.0 3035	48 51.6 3135	93 1.6 4258
12	82 37.8 3401	52 28.9 3044	35 22.5 3029	47 24.2 3134	91 54.1 4249
15	84 0.0 3394	53 58.2 3035	33 52.9 3024	45 56.7 3133	90 46.5 4241
18	85 22.4 3385	55 27.7 3026	32 23.2 3016	44 29.2 3132	89 38.7 4234
21	86 45.0 3377	56 57.3 3017	30 53.3 3010	43 1.7 3131	88 30.8 4228
<b>24 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Saturn</b>	<b>–Antares</b>	<b>–Fomalhaut</b>
0	88 7.7 3368	58 27.2 3007	29 23.3 3003	41 34.2 3131	123 24.3 3550
3	89 30.6 3358	59 57.3 2996	27 53.2 2996	40 6.7 3130	122 4.8 3522
6	90 53.6 3348	61 27.5 2985	26 22.9 2989	38 39.1 3131	120 44.9 3497
9	92 16.9 3338	62 58.0 2975	24 52.5 2981	37 11.6 3133	119 24.4 3472
12	93 40.3 3326	64 28.8 2962	23 21.9 2974	35 44.1 3135	118 3.5 3448
15	95 4.0 3316	65 59.8 2951	21 51.1 2966	34 16.7 3140	116 42.1 3425
18	96 27.9 3304	67 31.0 2938	20 20.2 2960	32 49.3 3145	115 20.3 3402
21	97 52.0 3291	69 2.5 2925	18 49.2 2953	31 22.1 3153	113 58.1 3379
<b>25 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>+Spica</b>	<b>–Sabik</b>	<b>–Nunki</b>
0	99 16.3 3279	70 34.3 2912	17 46.3 3014	37 11.4 2922	61 52.2 2976
3	100 40.9 3266	72 6.3 2898	19 16.2 2987	35 39.6 2911	60 21.5 2965
6	102 5.8 3252	73 38.7 2884	20 46.7 2963	34 7.5 2899	58 50.6 2955
9	103 30.9 3238	75 11.3 2869	22 17.7 2941	32 35.2 2887	57 19.4 2944
12	104 56.3 3224	76 44.3 2854	23 49.1 2920	31 2.6 2875	55 48.1 2933
15	106 21.9 3210	78 17.6 2839	25 21.0 2900	29 29.8 2863	54 16.5 2923
18	107 47.9 3194	79 51.2 2823	26 53.3 2881	27 56.7 2850	52 44.6 2912
21	109 14.2 3179	81 25.1 2808	28 26.0 2862	26 23.3 2838	51 12.6 2901
<b>26 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>+Spica</b>	<b>–Sabik</b>	<b>–Nunki</b>
0	110 40.7 3164	82 59.4 2791	29 59.1 2844	24 49.7 2826	49 40.3 2890
3	112 7.6 3147	84 34.1 2774	31 32.6 2825	23 15.8 2813	48 7.8 2879
6	113 34.8 3132	86 9.1 2759	33 6.5 2808	21 41.7 2802	46 35.0 2869
9	115 2.3 3114	87 44.5 2741	34 40.8 2789	20 7.2 2790	45 2.1 2859
12	116 30.1 3098	89 20.2 2724	36 15.5 2772	18 32.6 2781	43 28.9 2849
15	117 58.3 3081	90 56.3 2706	37 50.6 2754	16 57.7 2772	41 55.5 2840
18	119 26.9 3064	92 32.9 2688	39 26.1 2735	15 22.6 2765	40 21.9 2831
21	120 55.8 3046	94 9.8 2670	41 1.9 2718	13 47.4 2763	38 48.1 2823
<b>27 UT</b>	<b>+Venus</b>	<b>+Gienah</b>	<b>+Spica</b>	<b>+Zubenelgen</b>	<b>–Nunki</b>
0	95 47.1 2653	58 0.2 2892	42 38.2 2700	21 18.7 2724	37 14.2 2817
3	97 24.8 2634	59 32.7 2868	44 14.9 2682	22 54.8 2701	35 40.1 2811
6	99 2.9 2616	61 5.7 2845	45 51.9 2664	24 31.4 2680	34 5.9 2807
9	100 41.5 2597	62 39.2 2821	47 29.4 2645	26 8.5 2659	32 31.6 2805
12	102 20.4 2579	64 13.2 2799	49 7.3 2628	27 46.1 2638	30 57.2 2806
15	103 59.8 2560	65 47.6 2777	50 45.6 2609	29 24.1 2618	29 22.9 2809
18	105 39.6 2542	67 22.6 2756	52 24.3 2592	31 2.6 2599	27 48.6 2818
21	107 19.9 2523	68 58.0 2734	54 3.3 2573	32 41.5 2579	26 14.6 2830

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>28 UT</b>	<b>+Venus</b>	<b>+Antares</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	109 0.6 2504	13 22.8 3817	72 8.6 2827	77 38.6 2940	92 24.8 2772
3	110 41.7 2485	14 37.5 3541	70 34.7 2815	76 7.1 2928	90 49.8 2754
6	112 23.2 2467	15 57.1 3333	69 0.5 2805	74 35.4 2918	89 14.3 2738
9	114 5.2 2448	17 20.7 3173	67 26.2 2795	73 3.5 2908	87 38.5 2721
12	115 47.6 2430	18 47.4 3046	65 51.6 2785	71 31.3 2898	86 2.3 2704
15	117 30.5 2412	20 16.6 2944	64 16.9 2778	69 59.0 2891	84 25.7 2689
18	119 13.8 2394	21 48.0 2858	62 41.9 2771	68 26.5 2884	82 48.8 2673
21	120 57.5 2376	23 21.2 2787	61 6.8 2766	66 53.9 2879	81 11.6 2659
<b>29 UT</b>	<b>+Saturn</b>	<b>+Sabik</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	34 45.7 2411	14 51.8 2450	59 31.6 2761	65 21.1 2875	79 34.0 2645
3	36 29.0 2394	16 34.1 2425	57 56.3 2758	63 48.3 2872	77 56.1 2632
6	38 12.7 2377	18 17.1 2403	56 20.9 2757	62 15.4 2872	76 17.9 2619
9	39 56.8 2361	20 0.6 2382	54 45.6 2758	60 42.5 2873	74 39.4 2607
12	41 41.3 2344	21 44.6 2362	53 10.2 2761	59 9.6 2877	73 0.7 2596
15	43 26.2 2329	23 29.1 2343	51 34.9 2767	57 36.8 2882	71 21.7 2586
18	45 11.5 2313	25 14.0 2326	49 59.7 2776	56 4.1 2891	69 42.5 2577
21	46 57.2 2298	26 59.4 2309	48 24.7 2787	54 31.6 2903	68 3.0 2569
<b>30 UT</b>	<b>+Saturn</b>	<b>+Shaula</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	48 43.2 2283	28 55.6 3492	46 50.0 2802	52 59.4 2917	66 23.4 2562
3	50 29.6 2269	30 16.1 3354	45 15.6 2821	51 27.4 2935	64 43.7 2556
6	52 16.3 2255	31 39.3 3235	43 41.6 2846	49 55.9 2958	63 3.8 2552
9	54 3.4 2242	33 4.7 3131	42 8.1 2875	48 24.8 2985	61 23.8 2549
12	55 50.8 2228	34 32.2 3040	40 35.3 2911	46 54.3 3017	59 43.7 2548
15	57 38.5 2216	36 1.6 2960	39 3.2 2954	45 24.4 3055	58 3.6 2549
18	59 26.6 2204	37 32.6 2889	37 32.0 3006	43 55.3 3101	56 23.5 2551
21	61 14.9 2193	39 5.2 2826	36 2.0 3068	42 27.2 3154	54 43.5 2556
<b>31 UT</b>	<b>+Saturn</b>	<b>+Shaula</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>–Markab</b>
0	63 3.5 2182	40 39.1 2770	30 16.1 2927	20 23.3 2573	53 3.6 2563
3	64 52.4 2172	42 14.2 2720	31 47.9 2843	22 2.8 2505	51 23.8 2573
6	66 41.6 2162	43 50.4 2675	33 21.4 2771	23 43.9 2450	49 44.3 2585
9	68 31.0 2153	45 27.6 2634	34 56.5 2709	25 26.3 2405	48 5.1 2602
12	70 20.7 2144	47 5.7 2598	36 32.9 2654	27 9.8 2366	46 26.2 2621
15	72 10.5 2136	48 44.7 2564	38 10.6 2605	28 54.1 2333	44 47.8 2645
18	74 0.6 2128	50 24.4 2535	39 49.4 2563	30 39.3 2305	43 9.9 2675
21	75 50.8 2121	52 4.8 2508	41 29.1 2525	32 25.2 2281	41 32.7 2709