

## OCTOBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>1 UT</b>	<b>+Sun</b>	<b>–Kaus Aust.</b>	<b>–Nunki</b>	<b>–Altair</b>	<b>–Enif</b>
0	49 43.0 2510	38 55.5 2470	45 22.0 2222	69 5.6 2711	95 10.1 2379
3	51 23.9 2525	37 13.6 2510	43 34.1 2240	67 29.2 2740	93 26.1 2393
6	53 4.6 2541	35 32.7 2555	41 46.6 2259	65 53.4 2771	91 42.3 2409
9	54 44.8 2556	33 52.8 2605	39 59.7 2279	64 18.3 2805	89 59.0 2424
12	56 24.7 2573	32 14.0 2661	38 13.2 2299	62 44.0 2840	88 16.0 2441
15	58 4.3 2589	30 36.4 2724	36 27.2 2321	61 10.4 2877	86 33.4 2458
18	59 43.4 2606	29 0.3 2796	34 41.7 2343	59 37.6 2916	84 51.2 2475
21	61 22.2 2624	27 25.8 2879	32 56.7 2366	58 5.6 2958	83 9.4 2493
<b>2 UT</b>	<b>+Sun</b>	<b>–Nunki</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	63 0.5 2641	31 12.4 2391	81 28.0 2512	82 53.9 2784	101 38.9 2451
3	64 38.5 2659	29 28.6 2418	79 47.1 2531	81 19.1 2805	99 56.6 2466
6	66 16.1 2676	27 45.5 2446	78 6.6 2550	79 44.7 2828	98 14.6 2482
9	67 53.3 2694	26 3.0 2477	76 26.5 2571	78 10.9 2851	96 32.9 2498
12	69 30.1 2713	24 21.3 2512	74 47.0 2591	76 37.5 2875	94 51.7 2514
15	71 6.4 2730	22 40.3 2550	73 7.9 2612	75 4.7 2900	93 10.8 2531
18	72 42.4 2748	21 0.3 2594	71 29.2 2634	73 32.4 2927	91 30.3 2548
21	74 18.0 2767	19 21.2 2646	69 51.1 2656	72 0.7 2954	89 50.2 2565
<b>3 UT</b>	<b>+Sun</b>	<b>+Antares</b>	<b>–Enif</b>	<b>–Fomalhaut</b>	<b>–Markab</b>
0	75 53.2 2785	16 17.0 2566	68 13.5 2679	70 29.5 2983	88 10.5 2582
3	77 28.0 2802	17 56.6 2562	66 36.3 2701	68 58.9 3012	86 31.2 2599
6	79 2.4 2821	19 36.4 2564	64 59.7 2725	67 29.0 3043	84 52.3 2617
9	80 36.4 2839	21 16.1 2569	63 23.6 2750	65 59.7 3075	83 13.7 2635
12	82 10.0 2857	22 55.8 2575	61 48.0 2774	64 31.0 3107	81 35.6 2653
15	83 43.2 2875	24 35.2 2585	60 13.0 2800	63 3.0 3143	79 57.9 2671
18	85 16.1 2892	26 14.5 2594	58 38.6 2826	61 35.7 3178	78 20.6 2689
21	86 48.5 2910	27 53.5 2606	57 4.7 2853	60 9.1 3217	76 43.7 2707
<b>4 UT</b>	<b>+Sun</b>	<b>+Antares</b>	<b>+Sabik</b>	<b>–Markab</b>	<b>–Jupiter</b>
0	88 20.6 2927	29 32.3 2617	21 14.0 2823	75 7.2 2726	119 41.3 2560
3	89 52.4 2944	31 10.8 2629	22 47.9 2807	73 31.1 2744	118 1.5 2575
6	91 23.7 2961	32 49.1 2642	24 22.2 2797	71 55.5 2762	116 22.1 2590
9	92 54.8 2978	34 27.0 2655	25 56.7 2792	70 20.2 2782	114 42.9 2606
12	94 25.4 2994	36 4.7 2667	27 31.4 2789	68 45.3 2800	113 4.2 2620
15	95 55.8 3011	37 42.1 2680	29 6.0 2790	67 10.9 2819	111 25.7 2634
18	97 25.8 3026	39 19.2 2693	30 40.7 2792	65 36.8 2838	109 47.6 2648
21	98 55.4 3042	40 56.0 2706	32 15.4 2796	64 3.2 2857	108 9.8 2663
<b>5 UT</b>	<b>+Sun</b>	<b>+Antares</b>	<b>+Sabik</b>	<b>–Markab</b>	<b>–Jupiter</b>
0	100 24.8 3058	42 32.5 2719	33 49.9 2801	62 30.0 2877	106 32.3 2676
3	101 53.8 3073	44 8.7 2732	35 24.3 2806	60 57.2 2896	104 55.1 2690
6	103 22.5 3088	45 44.7 2745	36 58.6 2814	59 24.8 2917	103 18.2 2703
9	104 50.9 3102	47 20.3 2757	38 32.8 2821	57 52.9 2936	101 41.6 2716
12	106 19.0 3117	48 55.7 2769	40 6.8 2829	56 21.3 2957	100 5.3 2729
15	107 46.8 3131	50 30.9 2781	41 40.6 2837	54 50.2 2978	98 29.3 2741
18	109 14.3 3144	52 5.7 2793	43 14.3 2846	53 19.6 2999	96 53.6 2754
21	110 41.5 3158	53 40.3 2804	44 47.7 2854	51 49.4 3022	95 18.1 2766

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<b>6 UT</b>	<b>+Sun</b>	<b>+Antares</b>	<b>+Sabik</b>	<b>+Nunki</b>	<b>–Jupiter</b>
0	112 8.5 3172	55 14.7 2816	46 21.0 2863	23 10.4 2933	93 42.9 2777
3	113 35.2 3185	56 48.8 2827	47 54.1 2871	24 42.0 2929	92 8.0 2789
6	115 1.7 3197	58 22.7 2838	49 27.0 2880	26 13.7 2929	90 33.3 2800
9	116 27.9 3210	59 56.3 2849	50 59.8 2889	27 45.4 2929	88 58.8 2811
12	117 53.8 3221	61 29.7 2859	52 32.3 2897	29 17.1 2931	87 24.6 2822
15	119 19.6 3234	63 2.9 2869	54 4.7 2906	30 48.8 2934	85 50.6 2832
18	120 45.0 3245	64 35.9 2879	55 36.9 2914	32 20.3 2938	84 16.8 2842
21	122 10.3 3256	66 8.6 2888	57 8.9 2922	33 51.8 2942	82 43.3 2852
<b>7 UT</b>	<b>+Antares</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>–Hamal</b>	<b>–Jupiter</b>
0	67 41.2 2898	44 24.9 3103	35 23.2 2947	80 8.8 2917	81 9.9 2861
3	69 13.5 2907	45 53.0 3101	36 54.6 2952	78 36.8 2927	79 36.8 2870
6	70 45.7 2915	47 21.1 3100	38 25.8 2957	77 5.1 2936	78 3.9 2879
9	72 17.7 2924	48 49.3 3100	39 56.9 2962	75 33.6 2945	76 31.1 2888
12	73 49.5 2932	50 17.4 3100	41 27.8 2968	74 2.2 2954	74 58.6 2896
15	75 21.1 2940	51 45.6 3101	42 58.7 2974	72 31.0 2963	73 26.2 2905
18	76 52.5 2948	53 13.7 3102	44 29.5 2979	71 0.1 2971	71 54.0 2913
21	78 23.8 2956	54 41.8 3104	46 0.1 2985	69 29.3 2980	70 22.0 2920
<b>8 UT</b>	<b>+Antares</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>–Hamal</b>	<b>–Jupiter</b>
0	79 55.0 2962	56 9.9 3105	47 30.6 2990	67 58.6 2988	68 50.1 2928
3	81 26.0 2970	57 38.0 3107	49 1.0 2996	66 28.2 2996	67 18.4 2935
6	82 56.8 2976	59 6.0 3109	50 31.3 3000	64 57.9 3003	65 46.8 2942
9	84 27.5 2983	60 33.9 3112	52 1.5 3006	63 27.7 3011	64 15.4 2949
12	85 58.1 2989	62 1.8 3114	53 31.6 3010	61 57.8 3018	62 44.1 2955
15	87 28.5 2995	63 29.7 3117	55 1.6 3016	60 27.9 3026	61 13.0 2962
18	88 58.8 3001	64 57.5 3119	56 31.5 3020	58 58.3 3032	59 42.0 2968
21	90 29.0 3006	66 25.3 3122	58 1.3 3025	57 28.7 3040	58 11.1 2974
<b>9 UT</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>–Hamal</b>	<b>–Jupiter</b>	<b>–Aldebaran</b>
0	67 53.0 3125	59 30.9 3029	55 59.4 3047	56 40.4 2980	88 56.0 3025
3	69 20.6 3127	61 0.5 3034	54 30.1 3053	55 9.8 2986	87 26.3 3030
6	70 48.2 3130	62 30.0 3038	53 1.0 3060	53 39.3 2992	85 56.7 3036
9	72 15.8 3133	63 59.5 3042	51 32.0 3067	52 8.9 2997	84 27.2 3040
12	73 43.3 3135	65 28.8 3045	50 3.2 3073	50 38.6 3002	82 57.8 3044
15	75 10.7 3138	66 58.1 3049	48 34.5 3080	49 8.5 3008	81 28.6 3049
18	76 38.1 3140	68 27.3 3053	47 6.0 3087	47 38.4 3012	79 59.4 3053
21	78 5.4 3143	69 56.4 3056	45 37.6 3094	46 8.5 3017	78 30.2 3057
<b>10 UT</b>	<b>+Nunki</b>	<b>–Hamal</b>	<b>–Jupiter</b>	<b>–Aldebaran</b>	<b>–Elnath</b>
0	71 25.4 3059	44 9.3 3101	44 38.6 3023	77 1.2 3061	88 44.1 3059
3	72 54.4 3062	42 41.1 3108	43 8.9 3028	75 32.3 3065	87 15.1 3062
6	74 23.4 3065	41 13.2 3116	41 39.3 3033	74 3.4 3068	85 46.2 3066
9	75 52.2 3068	39 45.3 3124	40 9.7 3038	72 34.6 3072	84 17.3 3069
12	77 21.0 3070	38 17.7 3131	38 40.3 3042	71 5.9 3074	82 48.5 3071
15	78 49.8 3073	36 50.1 3140	37 11.0 3048	69 37.2 3078	81 19.8 3075
18	80 18.5 3075	35 22.8 3149	35 41.8 3053	68 8.6 3081	79 51.1 3077
21	81 47.1 3078	33 55.7 3160	34 12.7 3060	66 40.0 3084	78 22.5 3080

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<b>11 UT</b>	+Nunki	–Jupiter	–Aldebaran	–Elnath	–Betelgeuse
0	83 15.7 3079	32 43.7 3065	65 11.6 3086	76 54.0 3082	85 2.2 3206
3	84 44.3 3081	31 14.9 3071	63 43.1 3090	75 25.5 3085	83 36.2 3209
6	86 12.9 3083	29 46.1 3079	62 14.8 3092	73 57.0 3088	82 10.3 3212
9	87 41.4 3084	28 17.5 3086	60 46.5 3094	72 28.6 3089	80 44.3 3215
12	89 9.8 3086	26 49.1 3095	59 18.2 3097	71 0.2 3091	79 18.5 3218
15	90 38.3 3087	25 20.9 3105	57 50.0 3099	69 31.9 3093	77 52.7 3221
18	92 6.7 3088	23 52.8 3116	56 21.8 3101	68 3.6 3094	76 27.0 3223
21	93 35.1 3090	22 25.0 3130	54 53.7 3104	66 35.3 3096	75 1.3 3227
<b>12 UT</b>	+Enif	–Jupiter	–Aldebaran	–Elnath	–Betelgeuse
0	47 18.4 3441	20 57.5 3146	53 25.6 3106	65 7.1 3097	73 35.7 3230
3	48 39.9 3426	19 30.2 3167	51 57.6 3108	63 38.9 3099	72 10.1 3233
6	50 1.7 3411	18 3.4 3191	50 29.6 3110	62 10.7 3100	70 44.6 3236
9	51 23.7 3397	16 37.1 3223	49 1.7 3112	60 42.6 3101	69 19.2 3240
12	52 46.1 3385	15 11.4 3266	47 33.8 3114	59 14.5 3103	67 53.8 3244
15	54 8.6 3373	13 46.6 3323	46 5.9 3117	57 46.4 3104	66 28.6 3248
18	55 31.4 3362	12 22.8 3402	44 38.1 3119	56 18.3 3105	65 3.4 3252
21	56 54.4 3352	11 0.6 3519	43 10.3 3122	54 50.3 3106	63 38.2 3256
<b>13 UT</b>	+Enif	–Aldebaran	–Elnath	–Betelgeuse	–Procyon
0	58 17.6 3343	41 42.6 3124	53 22.2 3107	62 13.2 3261	87 53.0 3177
3	59 40.9 3334	40 14.9 3127	51 54.2 3108	60 48.3 3266	86 26.4 3177
6	61 4.4 3325	38 47.3 3130	50 26.2 3108	59 23.4 3271	84 59.8 3176
9	62 28.1 3318	37 19.8 3133	48 58.2 3109	57 58.6 3276	83 33.2 3176
12	63 52.0 3310	35 52.3 3136	47 30.3 3110	56 34.0 3282	82 6.6 3175
15	65 16.0 3303	34 24.9 3141	46 2.3 3111	55 9.5 3289	80 39.9 3175
18	66 40.1 3295	32 57.6 3146	44 34.4 3112	53 45.1 3296	79 13.3 3174
21	68 4.4 3289	31 30.3 3151	43 6.5 3114	52 20.8 3303	77 46.6 3173
<b>14 UT</b>	+Jupiter	–Aldebaran	–Elnath	–Pollux	–Procyon
0	5 47.0 4757	30 3.2 3157	41 38.6 3114	72 7.0 3129	76 20.0 3173
3	6 47.2 4123	28 36.2 3165	40 10.8 3116	70 39.4 3129	74 53.3 3172
6	7 56.9 3769	27 9.4 3175	38 42.9 3117	69 11.8 3128	73 26.6 3172
9	9 12.4 3555	25 42.7 3186	37 15.1 3120	67 44.2 3127	71 59.9 3171
12	10 31.8 3416	24 16.3 3199	35 47.4 3121	66 16.6 3125	70 33.1 3170
15	11 53.8 3322	22 50.1 3216	34 19.7 3124	64 49.0 3125	69 6.4 3170
18	13 17.5 3254	21 24.3 3236	32 52.0 3128	63 21.3 3123	67 39.7 3169
21	14 42.6 3204	19 58.9 3263	31 24.4 3132	61 53.7 3122	66 12.9 3169
<b>15 UT</b>	+Jupiter	–Elnath	–Pollux	–Procyon	–Mars
0	16 8.7 3165	29 56.9 3138	60 26.0 3121	64 46.1 3168	82 22.8 3270
3	17 35.5 3134	28 29.5 3144	58 58.2 3120	63 19.3 3167	80 58.0 3266
6	19 3.0 3108	27 2.3 3151	57 30.5 3118	61 52.6 3167	79 33.2 3261
9	20 31.0 3087	25 35.1 3161	56 2.7 3117	60 25.7 3167	78 8.3 3258
12	21 59.4 3069	24 8.2 3174	54 34.9 3116	58 58.9 3167	76 43.2 3253
15	23 28.2 3053	22 41.6 3190	53 7.1 3115	57 32.1 3166	75 18.2 3248
18	24 57.3 3039	21 15.2 3210	51 39.3 3114	56 5.3 3167	73 53.0 3243
21	26 26.7 3025	19 49.3 3237	50 11.4 3114	54 38.5 3167	72 27.7 3237

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<b>16 UT</b>	+Jupiter	–Pollux	–Procyon	–Mars	–Regulus
0	27 56.4 3013	48 43.5 3114	53 11.7 3169	71 2.3 3232	85 7.5 3015
3	29 26.3 3001	47 15.6 3113	51 45.0 3169	69 36.7 3226	83 37.6 3009
6	30 56.5 2990	45 47.8 3113	50 18.2 3171	68 11.1 3220	82 7.6 3003
9	32 26.9 2979	44 19.9 3114	48 51.5 3173	66 45.3 3213	80 37.5 2996
12	33 57.5 2968	42 52.0 3115	47 24.8 3176	65 19.5 3206	79 7.2 2990
15	35 28.4 2958	41 24.1 3116	45 58.2 3179	63 53.4 3200	77 36.8 2983
18	36 59.5 2947	39 56.3 3119	44 31.6 3184	62 27.3 3193	76 6.2 2976
21	38 30.8 2937	38 28.6 3122	43 5.1 3189	61 1.0 3185	74 35.5 2967
<b>17 UT</b>	+Hamal	+Jupiter	–Procyon	–Mars	–Regulus
0	40 10.2 3011	40 2.3 2927	41 38.8 3197	59 34.6 3178	73 4.6 2960
3	41 40.2 2998	41 34.0 2916	40 12.6 3204	58 8.0 3169	71 33.6 2952
6	43 10.4 2985	43 6.0 2906	38 46.5 3214	56 41.2 3161	70 2.4 2943
9	44 40.9 2973	44 38.2 2895	37 20.6 3226	55 14.3 3153	68 31.0 2935
12	46 11.7 2960	46 10.6 2884	35 55.0 3241	53 47.2 3144	66 59.4 2926
15	47 42.7 2948	47 43.2 2873	34 29.7 3258	52 20.0 3135	65 27.7 2916
18	49 14.0 2935	49 16.1 2862	33 4.7 3280	50 52.5 3126	63 55.7 2907
21	50 45.6 2923	50 49.2 2851	31 40.1 3306	49 24.9 3118	62 23.6 2898
<b>18 UT</b>	+Jupiter	+Aldebaran	–Mars	–Regulus	–Sun
0	52 22.6 2838	19 37.5 3062	47 57.1 3107	60 51.2 2887	115 5.8 3236
3	53 56.2 2827	21 6.4 3025	46 29.1 3099	59 18.6 2877	113 40.4 3225
6	55 30.1 2815	22 36.1 2992	45 1.0 3089	57 45.8 2866	112 14.7 3211
9	57 4.2 2802	24 6.5 2962	43 32.6 3079	56 12.8 2855	110 48.8 3198
12	58 38.6 2789	25 37.5 2935	42 4.0 3070	54 39.6 2845	109 22.6 3185
15	60 13.3 2776	27 9.0 2911	40 35.2 3060	53 6.1 2833	107 56.1 3171
18	61 48.3 2763	28 41.1 2888	39 6.3 3051	51 32.3 2822	106 29.4 3157
21	63 23.6 2749	30 13.6 2865	37 37.1 3041	49 58.4 2810	105 2.4 3142
<b>19 UT</b>	+Jupiter	+Aldebaran	–Mars	–Regulus	–Sun
0	64 59.1 2736	31 46.7 2845	36 7.8 3033	48 24.1 2799	103 35.1 3128
3	66 35.0 2722	33 20.2 2825	34 38.3 3024	46 49.6 2787	102 7.5 3113
6	68 11.2 2707	34 54.1 2804	33 8.6 3016	45 14.9 2775	100 39.6 3097
9	69 47.7 2693	36 28.5 2785	31 38.7 3009	43 39.9 2763	99 11.4 3082
12	71 24.5 2678	38 3.3 2766	30 8.7 3002	42 4.6 2751	97 42.9 3066
15	73 1.6 2663	39 38.5 2747	28 38.5 2997	40 29.1 2739	96 14.1 3049
18	74 39.1 2648	41 14.1 2728	27 8.2 2994	38 53.3 2728	94 44.9 3033
21	76 16.9 2632	42 50.1 2709	25 37.9 2992	37 17.3 2716	93 15.3 3015
<b>20 UT</b>	+Jupiter	+Aldebaran	+Elnath	–Regulus	–Sun
0	77 55.1 2616	44 26.6 2691	32 51.6 2724	35 41.0 2705	91 45.4 2999
3	79 33.7 2600	46 3.4 2672	34 27.7 2701	34 4.4 2694	90 15.2 2981
6	81 12.6 2584	47 40.7 2654	36 4.4 2680	32 27.6 2684	88 44.6 2963
9	82 51.9 2567	49 18.4 2636	37 41.5 2658	30 50.6 2675	87 13.7 2946
12	84 31.5 2551	50 56.5 2617	39 19.1 2637	29 13.4 2666	85 42.3 2928
15	86 11.5 2534	52 35.0 2598	40 57.1 2617	27 36.0 2660	84 10.6 2909
18	87 52.0 2517	54 13.9 2580	42 35.7 2596	25 58.5 2655	82 38.5 2891
21	89 32.8 2500	55 53.3 2561	44 14.7 2576	24 20.8 2653	81 6.0 2872

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<b>21 UT</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>+Betelgeuse</b>	<b>-Sun</b>
0	91 14.0 2483	57 33.1 2543	45 54.1 2556	39 55.5 2870	79 33.1 2853
3	92 55.6 2466	59 13.3 2524	47 34.0 2537	41 28.4 2830	77 59.8 2835
6	94 37.6 2447	60 54.0 2505	49 14.4 2516	43 2.3 2791	76 26.1 2816
9	96 20.1 2431	62 35.0 2487	50 55.2 2497	44 36.9 2755	74 52.0 2797
12	98 2.9 2413	64 16.6 2468	52 36.5 2477	46 12.3 2721	73 17.5 2777
15	99 46.2 2395	65 58.5 2449	54 18.3 2457	47 48.5 2688	71 42.5 2758
18	101 29.9 2378	67 40.9 2431	56 0.5 2439	49 25.5 2657	70 7.2 2740
21	103 14.0 2360	69 23.7 2412	57 43.1 2419	51 3.1 2627	68 31.4 2720
<b>22 UT</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>+Betelgeuse</b>	<b>-Sun</b>
0	104 58.5 2343	71 7.0 2394	59 26.2 2400	52 41.4 2598	66 55.2 2701
3	106 43.4 2326	72 50.7 2376	61 9.8 2381	54 20.3 2571	65 18.5 2682
6	108 28.8 2308	74 34.9 2358	62 53.8 2363	55 59.9 2544	63 41.5 2664
9	110 14.5 2291	76 19.4 2340	64 38.3 2345	57 40.1 2518	62 4.0 2645
12	112 0.7 2274	78 4.5 2322	66 23.2 2326	59 20.9 2493	60 26.1 2626
15	113 47.4 2257	79 49.9 2304	68 8.5 2308	61 2.3 2469	58 47.8 2608
18	115 34.4 2241	81 35.8 2287	69 54.3 2290	62 44.2 2446	57 9.1 2590
21	117 21.8 2224	83 22.1 2269	71 40.5 2272	64 26.7 2423	55 30.0 2571
<b>23 UT</b>	<b>+Betelgeuse</b>	<b>+Pollux</b>	<b>+Procyon</b>	<b>+Mars</b>	<b>-Sun</b>
0	66 9.7 2402	43 42.3 2362	40 21.3 2483	17 0.4 2676	53 50.4 2554
3	67 53.2 2381	45 26.8 2337	42 2.9 2449	18 37.6 2614	52 10.5 2537
6	69 37.2 2361	47 11.8 2314	43 45.3 2418	20 16.2 2562	50 30.1 2520
9	71 21.7 2341	48 57.5 2292	45 28.4 2388	21 55.9 2518	48 49.4 2504
12	73 6.7 2323	50 43.7 2271	47 12.3 2361	23 36.7 2480	47 8.3 2488
15	74 52.1 2305	52 30.4 2250	48 56.8 2335	25 18.4 2446	45 26.8 2472
18	76 38.0 2288	54 17.6 2231	50 41.9 2311	27 0.9 2416	43 44.9 2458
21	78 24.3 2271	56 5.2 2212	52 27.6 2288	28 44.1 2389	42 2.7 2443
<b>24 UT</b>	<b>+Pollux</b>	<b>+Procyon</b>	<b>+Mars</b>	<b>+Regulus</b>	<b>-Sun</b>
0	57 53.4 2195	54 13.9 2267	30 27.9 2364	20 54.4 2252	40 20.2 2429
3	59 42.0 2178	56 0.7 2246	32 12.4 2341	22 41.5 2218	38 37.3 2417
6	61 30.9 2162	57 48.0 2227	33 57.3 2320	24 29.5 2188	36 54.1 2404
9	63 20.3 2147	59 35.8 2209	35 42.8 2301	26 18.2 2163	35 10.7 2393
12	65 10.1 2133	61 24.0 2192	37 28.8 2283	28 7.6 2139	33 26.9 2382
15	67 0.3 2120	63 12.7 2176	39 15.2 2267	29 57.6 2120	31 42.9 2374
18	68 50.7 2107	65 1.7 2162	41 1.9 2252	31 48.1 2101	29 58.7 2366
21	70 41.5 2095	66 51.1 2148	42 49.1 2237	33 39.0 2085	28 14.3 2358
<b>25 UT</b>	<b>+Pollux</b>	<b>+Procyon</b>	<b>+Mars</b>	<b>+Regulus</b>	<b>-Sun</b>
0	72 32.6 2084	68 40.9 2135	44 36.6 2225	35 30.4 2070	26 29.8 2353
3	74 24.0 2074	70 31.0 2124	46 24.5 2213	37 22.1 2057	24 45.1 2351
6	76 15.6 2065	72 21.3 2113	48 12.6 2202	39 14.2 2045	23 0.3 2349
9	78 7.5 2057	74 11.9 2104	50 1.0 2192	41 6.6 2034	21 15.6 2351
12	79 59.6 2050	76 2.8 2096	51 49.6 2183	42 59.3 2024	19 30.8 2357
15	81 51.8 2044	77 53.9 2088	53 38.5 2176	44 52.2 2016	17 46.2 2367
18	83 44.3 2038	79 45.2 2082	55 27.6 2168	46 45.3 2009	16 1.8 2385
21	85 36.8 2033	81 36.6 2076	57 16.8 2163	48 38.7 2002	14 17.9 2413

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>28 UT</b>	<b>+Sun</b>	<b>–Sabik</b>	<b>–Kaus Aust.</b>	<b>–Nunki</b>	<b>–Altair</b>
0	16 43.1 2403	28 48.9 2165	44 58.9 2251	51 41.8 2056	74 42.8 2504
3	18 26.6 2399	26 59.6 2195	43 11.7 2278	49 49.7 2068	73 1.7 2523
6	20 10.2 2399	25 11.1 2231	41 25.2 2308	47 57.9 2081	71 21.0 2545
9	21 53.8 2402	23 23.4 2273	39 39.4 2341	46 6.5 2095	69 40.8 2568
12	23 37.4 2408	21 36.7 2325	37 54.4 2378	44 15.4 2110	68 1.2 2594
15	25 20.7 2416	19 51.4 2390	36 10.3 2420	42 24.6 2126	66 22.2 2622
18	27 3.9 2425	18 7.6 2472	34 27.2 2468	40 34.3 2143	64 43.7 2652
21	28 46.9 2436	16 25.7 2581	32 45.3 2522	38 44.5 2162	63 6.0 2684
<b>29 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Nunki</b>	<b>–Enif</b>	<b>–Fomalhaut</b>
0	30 29.6 2448	11 9.1 2544	36 55.0 2181	86 56.2 2311	88 9.0 2588
3	32 12.0 2461	12 49.3 2548	35 6.1 2202	85 10.4 2326	86 29.8 2604
6	33 54.2 2475	14 29.4 2558	33 17.7 2225	83 25.1 2343	84 51.0 2622
9	35 36.0 2490	16 9.3 2569	31 29.9 2249	81 40.2 2361	83 12.6 2642
12	37 17.4 2505	17 48.9 2582	29 42.7 2276	79 55.7 2379	81 34.7 2662
15	38 58.5 2521	19 28.2 2597	27 56.1 2305	78 11.6 2398	79 57.2 2684
18	40 39.2 2538	21 7.2 2613	26 10.2 2337	76 28.0 2418	78 20.2 2707
21	42 19.5 2556	22 45.8 2630	24 25.1 2373	74 44.8 2439	76 43.7 2732
<b>30 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Nunki</b>	<b>–Enif</b>	<b>–Markab</b>
0	43 59.4 2573	24 24.0 2647	22 40.9 2414	73 2.2 2460	93 5.8 2380
3	45 39.0 2591	26 1.9 2665	20 57.7 2462	71 20.0 2482	91 21.7 2398
6	47 18.1 2610	27 39.3 2684	19 15.6 2519	69 38.4 2506	89 38.1 2416
9	48 56.7 2629	29 16.3 2703	17 34.8 2589	67 57.3 2529	87 54.9 2434
12	50 35.0 2648	30 52.9 2722	15 55.7 2678	66 16.8 2554	86 12.2 2454
15	52 12.8 2667	32 29.1 2742	14 18.6 2796	64 36.8 2580	84 29.9 2473
18	53 50.2 2687	34 4.8 2762	12 44.0 2958	62 57.5 2606	82 48.1 2492
21	55 27.1 2707	35 40.1 2782	11 12.9 3196	61 18.7 2633	81 6.7 2513
<b>31 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Enif</b>	<b>–Markab</b>	<b>–Jupiter</b>
0	57 3.6 2727	37 14.9 2803	59 40.5 2662	79 25.7 2533	120 47.5 2369
3	58 39.7 2747	38 49.3 2823	58 3.0 2691	77 45.3 2554	119 3.2 2387
6	60 15.3 2767	40 23.3 2843	56 26.2 2721	76 5.4 2575	117 19.3 2405
9	61 50.5 2787	41 56.8 2864	54 50.0 2753	74 25.9 2597	115 35.9 2424
12	63 25.2 2807	43 29.9 2884	53 14.5 2785	72 46.9 2618	113 52.9 2442
15	64 59.5 2828	45 2.5 2905	51 39.7 2820	71 8.4 2640	112 10.3 2460
18	66 33.4 2847	46 34.7 2925	50 5.7 2855	69 30.4 2662	110 28.2 2478
21	68 6.8 2868	48 6.5 2946	48 32.4 2893	67 52.9 2685	108 46.4 2497