

SEPTEMBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Sun	–Antares	–Sabik	–Shaula	–Nunki
0	40 24.0 2425	51 19.6 2109	60 42.2 2142	65 58.2 2258	83 53.0 2113
3	42 7.0 2430	49 28.9 2117	58 52.2 2151	64 11.1 2270	82 2.4 2120
6	43 49.8 2436	47 38.3 2125	57 2.5 2160	62 24.4 2284	80 11.9 2128
9	45 32.5 2443	45 48.0 2135	55 13.1 2171	60 38.0 2298	78 21.7 2137
12	47 15.1 2451	43 57.9 2144	53 23.9 2182	58 52.0 2314	76 31.6 2146
15	48 57.4 2459	42 8.1 2155	51 35.0 2194	57 6.4 2331	74 41.8 2155
18	50 39.6 2468	40 18.5 2166	49 46.4 2207	55 21.2 2350	72 52.2 2165
21	52 21.6 2477	38 29.2 2178	47 58.1 2220	53 36.4 2369	71 2.9 2175
2 UT	+Sun	–Antares	–Sabik	–Kaus Aust.	–Nunki
0	54 3.3 2487	36 40.2 2190	46 10.2 2234	61 54.3 2298	69 13.8 2186
3	55 44.8 2497	34 51.5 2203	44 22.6 2249	60 8.3 2313	67 25.0 2197
6	57 26.1 2508	33 3.1 2217	42 35.4 2266	58 22.6 2329	65 36.5 2209
9	59 7.1 2519	31 15.1 2232	40 48.5 2283	56 37.4 2347	63 48.3 2220
12	60 47.9 2531	29 27.4 2247	39 2.2 2301	54 52.5 2365	62 0.3 2232
15	62 28.4 2543	27 40.1 2264	37 16.2 2322	53 8.1 2384	60 12.7 2245
18	64 8.6 2555	25 53.3 2282	35 30.8 2343	51 24.2 2405	58 25.4 2258
21	65 48.5 2567	24 6.9 2302	33 45.8 2366	49 40.7 2426	56 38.4 2271
3 UT	+Sun	–Antares	–Sabik	–Kaus Aust.	–Nunki
0	67 28.2 2581	22 20.9 2324	32 1.4 2391	47 57.8 2449	54 51.7 2285
3	69 7.5 2594	20 35.5 2349	30 17.7 2419	46 15.4 2474	53 5.3 2299
6	70 46.6 2607	18 50.7 2378	28 34.5 2450	44 33.5 2500	51 19.3 2313
9	72 25.3 2620	17 6.7 2412	26 52.2 2485	42 52.3 2527	49 33.7 2328
12	74 3.8 2634	15 23.4 2455	25 10.6 2524	41 11.8 2558	47 48.4 2343
15	75 41.9 2648	13 41.1 2511	23 29.9 2570	39 31.9 2590	46 3.4 2358
18	77 19.7 2662	12 0.2 2589	21 50.3 2625	37 52.8 2626	44 18.8 2374
21	78 57.3 2676	10 21.0 2705	20 12.0 2692	36 14.4 2665	42 34.6 2390
4 UT	+Sun	+Zubnelgen	–Kaus Aust.	–Nunki	–Enif
0	80 34.4 2690	16 34.1 2435	34 37.0 2707	40 50.8 2406	90 54.6 2560
3	82 11.3 2704	18 16.9 2436	33 0.5 2755	39 7.4 2423	89 14.8 2573
6	83 47.9 2718	19 59.6 2439	31 25.1 2808	37 24.4 2441	87 35.3 2587
9	85 24.1 2732	21 42.2 2445	29 50.8 2868	35 41.8 2458	85 56.1 2601
12	87 0.1 2747	23 24.7 2452	28 17.8 2937	33 59.6 2478	84 17.2 2616
15	88 35.7 2761	25 7.1 2461	26 46.3 3017	32 17.9 2497	82 38.7 2631
18	90 11.0 2776	26 49.2 2470	25 16.4 3110	30 36.6 2518	81 0.5 2646
21	91 46.0 2789	28 31.1 2480	23 48.5 3221	28 55.8 2540	79 22.6 2661
5 UT	+Sun	+Zubnelgen	+Antares	–Nunki	–Enif
0	93 20.7 2804	30 12.8 2490	6 55.8 3050	27 15.5 2564	77 45.1 2677
3	94 55.0 2818	31 54.2 2501	8 25.0 2868	25 35.8 2590	76 7.9 2693
6	96 29.1 2832	33 35.4 2512	9 58.0 2769	23 56.7 2619	74 31.1 2710
9	98 2.9 2846	35 16.3 2523	11 33.1 2712	22 18.2 2652	72 54.7 2727
12	99 36.3 2860	36 57.0 2534	13 9.5 2678	20 40.5 2690	71 18.6 2744
15	101 9.5 2874	38 37.4 2546	14 46.7 2658	19 3.6 2735	69 42.9 2762
18	102 42.3 2888	40 17.6 2557	16 24.3 2647	17 27.7 2789	68 7.6 2779
21	104 14.9 2901	41 57.5 2569	18 2.1 2643	15 53.0 2858	66 32.7 2798

SEPTEMBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
6 UT	+Sun	+Menkent	+Zubenelgen	+Antares	–Markab
0	105 47.2 2915	50 40.3 2979	43 37.1 2580	19 40.0 2641	84 49.4 2706
3	107 19.2 2928	52 10.9 2973	45 16.4 2591	21 18.0 2643	83 12.8 2719
6	108 50.9 2941	53 41.7 2968	46 55.5 2602	22 55.9 2647	81 36.6 2732
9	110 22.3 2955	55 12.6 2966	48 34.4 2614	24 33.8 2652	80 0.7 2746
12	111 53.5 2968	56 43.5 2964	50 13.0 2625	26 11.5 2659	78 25.0 2759
15	113 24.3 2980	58 14.4 2963	51 51.3 2636	27 49.1 2665	76 49.7 2772
18	114 54.9 2994	59 45.4 2964	53 29.4 2647	29 26.5 2673	75 14.6 2786
21	116 25.3 3007	61 16.4 2965	55 7.2 2658	31 3.8 2681	73 39.9 2800
7 UT	+Zubenelgen	+Antares	+Sabik	–Markab	–Jupiter
0	56 44.8 2669	32 40.8 2689	24 20.6 2864	72 5.4 2814	118 17.9 2668
3	58 22.2 2679	34 17.7 2698	25 53.7 2852	70 31.3 2828	116 40.6 2679
6	59 59.3 2689	35 54.4 2706	27 27.1 2844	68 57.5 2842	115 3.4 2689
9	61 36.2 2700	37 31.0 2715	29 0.6 2839	67 23.9 2857	113 26.5 2699
12	63 12.9 2710	39 7.3 2724	30 34.2 2836	65 50.7 2871	111 49.9 2708
15	64 49.3 2720	40 43.4 2733	32 7.9 2835	64 17.8 2887	110 13.4 2719
18	66 25.5 2730	42 19.3 2742	33 41.6 2835	62 45.2 2902	108 37.2 2728
21	68 1.5 2740	43 55.0 2751	35 15.3 2836	61 12.9 2917	107 1.1 2738
8 UT	+Antares	+Sabik	+Shaula	+Nunki	–Jupiter
0	45 30.6 2760	36 48.9 2839	34 12.3 3182	13 50.4 3070	105 25.3 2747
3	47 5.9 2768	38 22.6 2841	35 38.8 3158	15 19.2 3019	103 49.7 2756
6	48 41.1 2777	39 56.1 2845	37 5.8 3139	16 49.0 2983	102 14.3 2765
9	50 16.0 2786	41 29.6 2850	38 33.1 3123	18 19.6 2958	100 39.1 2775
12	51 50.8 2794	43 3.0 2854	40 0.8 3110	19 50.6 2941	99 4.1 2783
15	53 25.4 2802	44 36.3 2859	41 28.8 3099	21 22.1 2929	97 29.3 2792
18	54 59.8 2811	46 9.4 2864	42 56.9 3090	22 53.8 2920	95 54.7 2801
21	56 34.0 2820	47 42.5 2870	44 25.3 3083	24 25.7 2916	94 20.2 2810
9 UT	+Antares	+Sabik	+Shaula	+Nunki	–Jupiter
0	58 8.0 2827	49 15.5 2875	45 53.8 3077	25 57.6 2912	92 46.0 2817
3	59 41.9 2835	50 48.3 2881	47 22.4 3073	27 29.7 2911	91 11.9 2826
6	61 15.6 2844	52 21.0 2887	48 51.1 3070	29 1.8 2911	89 38.0 2834
9	62 49.1 2852	53 53.6 2893	50 19.9 3068	30 33.8 2912	88 4.3 2842
12	64 22.4 2859	55 26.0 2899	51 48.7 3066	32 5.9 2914	86 30.8 2850
15	65 55.6 2867	56 58.4 2906	53 17.5 3065	33 37.9 2917	84 57.4 2858
18	67 28.6 2874	58 30.5 2911	54 46.4 3065	35 9.8 2920	83 24.2 2865
21	69 1.4 2882	60 2.6 2918	56 15.2 3065	36 41.7 2924	81 51.2 2874
10 UT	+Antares	+Kaus Aust.	+Nunki	–Hamal	–Jupiter
0	70 34.1 2889	47 7.8 3069	38 13.5 2928	77 16.8 2910	80 18.3 2881
3	72 6.7 2896	48 36.6 3067	39 45.2 2932	75 44.7 2917	78 45.6 2888
6	73 39.1 2904	50 5.4 3067	41 16.8 2937	74 12.8 2925	77 13.0 2896
9	75 11.3 2910	51 34.2 3067	42 48.3 2942	72 41.0 2933	75 40.6 2903
12	76 43.4 2917	53 3.1 3067	44 19.7 2947	71 9.4 2941	74 8.4 2910
15	78 15.3 2924	54 31.9 3068	45 51.1 2952	69 38.0 2948	72 36.3 2917
18	79 47.1 2931	56 0.7 3069	47 22.3 2957	68 6.7 2956	71 4.3 2924
21	81 18.7 2938	57 29.5 3071	48 53.4 2962	66 35.6 2963	69 32.5 2931

SEPTEMBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
11 UT	+Antares	+Kaus Aust.	+Nunki	–Hamal	–Jupiter
0	82 50.3 2944	58 58.2 3073	50 24.4 2967	65 4.6 2971	68 0.9 2937
3	84 21.6 2950	60 26.9 3076	51 55.3 2972	63 33.8 2978	66 29.3 2944
6	85 52.9 2957	61 55.6 3078	53 26.1 2977	62 3.1 2986	64 58.0 2951
9	87 24.0 2963	63 24.1 3081	54 56.7 2983	60 32.6 2993	63 26.7 2957
12	88 54.9 2969	64 52.7 3084	56 27.3 2988	59 2.3 3001	61 55.6 2964
15	90 25.8 2976	66 21.1 3088	57 57.8 2993	57 32.1 3009	60 24.7 2970
18	91 56.5 2981	67 49.5 3091	59 28.1 2998	56 2.1 3016	58 53.9 2976
21	93 27.1 2987	69 17.9 3094	60 58.4 3003	54 32.2 3023	57 23.2 2983
12 UT	+Kaus Aust.	+Nunki	–Hamal	–Jupiter	–Aldebaran
0	70 46.2 3098	62 28.5 3008	53 2.5 3030	55 52.6 2988	85 56.9 3009
3	72 14.3 3102	63 58.6 3013	51 32.9 3038	54 22.1 2995	84 26.9 3015
6	73 42.5 3105	65 28.5 3018	50 3.5 3046	52 51.8 3001	82 57.0 3020
9	75 10.5 3109	66 58.3 3022	48 34.2 3053	51 21.7 3007	81 27.2 3026
12	76 38.5 3113	68 28.1 3027	47 5.1 3061	49 51.6 3013	79 57.5 3031
15	78 6.4 3117	69 57.7 3032	45 36.2 3070	48 21.7 3019	78 28.0 3037
18	79 34.2 3120	71 27.3 3036	44 7.4 3077	46 51.9 3025	76 58.5 3041
21	81 1.9 3124	72 56.7 3040	42 38.8 3086	45 22.2 3031	75 29.2 3046
13 UT	+Nunki	–Hamal	–Jupiter	–Aldebaran	–Elnath
0	74 26.1 3045	41 10.4 3095	43 52.6 3037	73 59.9 3052	85 43.1 3046
3	75 55.4 3049	39 42.1 3104	42 23.2 3043	72 30.8 3057	84 13.9 3050
6	77 24.6 3053	38 14.0 3113	40 53.8 3049	71 1.8 3061	82 44.7 3055
9	78 53.7 3057	36 46.2 3123	39 24.7 3055	69 32.8 3066	81 15.6 3059
12	80 22.7 3061	35 18.5 3134	37 55.6 3061	68 4.0 3070	79 46.6 3063
15	81 51.6 3065	33 51.0 3145	36 26.7 3068	66 35.2 3075	78 17.7 3067
18	83 20.5 3068	32 23.8 3158	34 57.8 3074	65 6.6 3079	76 48.9 3072
21	84 49.3 3071	30 56.8 3171	33 29.2 3081	63 38.0 3083	75 20.2 3075
14 UT	+Nunki	–Jupiter	–Aldebaran	–Elnath	–Betelgeuse
0	86 18.0 3075	32 0.6 3088	62 9.5 3088	73 51.5 3079	82 5.3 3210
3	87 46.7 3078	30 32.3 3096	60 41.1 3092	72 22.9 3082	80 39.3 3214
6	89 15.3 3080	29 4.0 3104	59 12.8 3096	70 54.4 3085	79 13.5 3219
9	90 43.8 3084	27 36.0 3114	57 44.6 3100	69 26.0 3089	77 47.7 3224
12	92 12.3 3086	26 8.1 3123	56 16.4 3103	67 57.6 3091	76 22.0 3227
15	93 40.8 3088	24 40.4 3134	54 48.3 3107	66 29.3 3094	74 56.4 3232
18	95 9.2 3090	23 12.9 3147	53 20.3 3110	65 1.0 3097	73 30.9 3237
21	96 37.5 3092	21 45.7 3162	51 52.4 3114	63 32.8 3100	72 5.5 3241
15 UT	+Enif	–Jupiter	–Aldebaran	–Elnath	–Betelgeuse
0	50 5.2 3419	20 18.8 3179	50 24.5 3117	62 4.6 3102	70 40.2 3246
3	51 27.1 3406	18 52.2 3201	48 56.7 3120	60 36.5 3104	69 14.9 3250
6	52 49.3 3394	17 26.1 3227	47 29.0 3123	59 8.5 3106	67 49.8 3255
9	54 11.6 3384	16 0.5 3262	46 1.3 3127	57 40.4 3108	66 24.7 3260
12	55 34.2 3374	14 35.6 3308	44 33.7 3130	56 12.4 3110	64 59.8 3265
15	56 57.0 3364	13 11.6 3370	43 6.1 3133	54 44.5 3111	63 34.9 3270
18	58 19.9 3355	11 48.7 3458	41 38.6 3136	53 16.6 3112	62 10.1 3276
21	59 43.1 3346	10 27.6 3589	40 11.2 3140	51 48.7 3114	60 45.5 3281

SEPTEMBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
16 UT	+Markab	–Aldebaran	–Elnath	–Betelgeuse	–Mars
0	40 50.3 3406	38 43.9 3143	50 20.8 3114	59 20.9 3286	85 48.0 3320
3	42 12.5 3387	37 16.6 3147	48 52.9 3115	57 56.5 3292	84 24.2 3319
6	43 35.0 3370	35 49.4 3151	47 25.1 3116	56 32.1 3299	83 0.4 3318
9	44 57.8 3352	34 22.3 3155	45 57.3 3116	55 7.9 3305	81 36.6 3316
12	46 21.0 3337	32 55.2 3160	44 29.4 3117	53 43.8 3312	80 12.7 3315
15	47 44.5 3323	31 28.3 3166	43 1.6 3118	52 19.9 3320	78 48.8 3313
18	49 8.2 3309	30 1.5 3172	41 33.8 3117	50 56.1 3327	77 24.9 3309
21	50 32.2 3296	28 34.8 3180	40 6.0 3118	49 32.4 3336	76 0.9 3307
17 UT	+Jupiter	–Elnath	–Pollux	–Procyon	–Mars
0	6 0.3 4497	38 38.3 3119	69 7.0 3131	73 25.4 3182	74 36.8 3304
3	7 4.2 3985	37 10.5 3119	67 39.5 3128	71 58.9 3180	73 12.7 3300
6	8 16.1 3693	35 42.7 3120	66 11.9 3126	70 32.4 3178	71 48.5 3296
9	9 33.0 3510	34 15.0 3121	64 44.3 3123	69 5.8 3176	70 24.3 3291
12	10 53.2 3390	32 47.3 3123	63 16.6 3121	67 39.2 3175	68 59.9 3287
15	12 15.6 3305	31 19.6 3124	61 48.9 3117	66 12.5 3172	67 35.5 3282
18	13 39.7 3243	29 51.9 3127	60 21.1 3115	64 45.8 3170	66 10.9 3277
21	15 5.0 3196	28 24.3 3131	58 53.2 3111	63 19.1 3168	64 46.3 3271
18 UT	+Jupiter	–Pollux	–Procyon	–Mars	–Sun
0	16 31.2 3159	57 25.3 3108	61 52.3 3165	63 21.6 3264	118 45.7 3412
3	17 58.2 3128	55 57.3 3104	60 25.5 3163	61 56.7 3258	117 23.7 3404
6	19 25.8 3101	54 29.2 3100	58 58.6 3160	60 31.7 3251	116 1.5 3395
9	20 53.9 3078	53 1.1 3097	57 31.7 3158	59 6.5 3243	114 39.2 3387
12	22 22.5 3058	51 32.9 3093	56 4.7 3156	57 41.2 3235	113 16.7 3378
15	23 51.5 3039	50 4.6 3090	54 37.7 3154	56 15.8 3227	111 54.0 3369
18	25 20.9 3023	48 36.2 3086	53 10.6 3152	54 50.2 3219	110 31.1 3359
21	26 50.6 3005	47 7.8 3082	51 43.5 3150	53 24.4 3210	109 8.1 3348
19 UT	+Jupiter	–Pollux	–Procyon	–Mars	–Sun
0	28 20.7 2990	45 39.3 3079	50 16.4 3150	51 58.5 3201	107 44.8 3338
3	29 51.1 2975	44 10.7 3076	48 49.2 3149	50 32.3 3191	106 21.4 3327
6	31 21.8 2960	42 42.1 3073	47 22.1 3148	49 6.0 3181	104 57.7 3315
9	32 52.9 2945	41 13.4 3071	45 54.9 3149	47 39.5 3171	103 33.8 3303
12	34 24.2 2931	39 44.7 3070	44 27.7 3150	46 12.8 3161	102 9.7 3291
15	35 55.9 2916	38 15.9 3070	43 0.6 3153	44 45.8 3149	100 45.3 3278
18	37 27.8 2901	36 47.1 3070	41 33.5 3157	43 18.7 3138	99 20.7 3265
21	39 0.1 2886	35 18.4 3072	40 6.5 3162	41 51.3 3127	97 55.9 3251
20 UT	+Hamal	+Jupiter	–Procyon	–Mars	–Sun
0	43 20.4 2925	40 32.7 2871	38 39.6 3169	40 23.7 3115	96 30.7 3237
3	44 52.2 2908	42 5.6 2856	37 12.8 3178	38 55.9 3104	95 5.3 3223
6	46 24.3 2892	43 38.9 2841	35 46.3 3191	37 27.8 3092	93 39.6 3208
9	47 56.8 2876	45 12.5 2825	34 19.9 3206	35 59.5 3080	92 13.6 3193
12	49 29.6 2858	46 46.4 2809	32 53.9 3225	34 30.9 3068	90 47.3 3177
15	51 2.8 2841	48 20.6 2793	31 28.3 3250	33 2.1 3056	89 20.7 3161
18	52 36.4 2824	49 55.2 2777	30 3.1 3281	31 33.1 3045	87 53.8 3145
21	54 10.3 2807	51 30.2 2761	28 38.6 3319	30 3.8 3033	86 26.6 3128

SEPTEMBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
21 UT	+Hamal	+Jupiter	+Aldebaran	-Mars	-Sun
0	55 44.6 2790	53 5.5 2745	23 4.1 2905	28 34.3 3024	84 59.0 3111
3	57 19.3 2772	54 41.1 2727	24 36.3 2870	27 4.6 3012	83 31.1 3093
6	58 54.3 2754	56 17.2 2710	26 9.3 2839	25 34.6 3004	82 2.8 3076
9	60 29.8 2737	57 53.6 2693	27 42.9 2811	24 4.5 2997	80 34.1 3059
12	62 5.6 2718	59 30.5 2675	29 17.1 2782	22 34.2 2991	79 5.2 3040
15	63 41.9 2700	61 7.7 2657	30 51.9 2756	21 3.8 2988	77 35.8 3022
18	65 18.5 2682	62 45.3 2639	32 27.4 2731	19 33.4 2989	76 6.0 3003
21	66 55.6 2663	64 23.3 2621	34 3.3 2706	18 2.9 2995	74 35.9 2983
22 UT	+Jupiter	+Aldebaran	+Elnath	-Mars	-Sun
0	66 1.7 2603	35 39.9 2682	24 5.0 2740	16 32.6 3009	73 5.3 2965
3	67 40.6 2584	37 16.9 2659	25 40.8 2706	15 2.6 3034	71 34.4 2946
6	69 19.8 2565	38 54.5 2635	27 17.3 2676	13 33.1 3076	70 3.1 2926
9	70 59.5 2547	40 32.6 2613	28 54.5 2647	12 4.5 3145	68 31.3 2907
12	72 39.7 2528	42 11.2 2591	30 32.3 2620	10 37.2 3260	66 59.1 2887
15	74 20.2 2509	43 50.3 2569	32 10.8 2594	9 12.3 3458	65 26.6 2868
18	76 1.2 2489	45 29.9 2547	33 49.8 2569	7 51.1 3815	63 53.6 2847
21	77 42.7 2471	47 10.0 2526	35 29.4 2545	6 36.3 4518	62 20.1 2828
23 UT	+Jupiter	+Aldebaran	+Elnath	+Betelgeuse	-Sun
0	79 24.6 2452	48 50.6 2505	37 9.6 2521	32 6.5 3023	60 46.3 2808
3	81 6.9 2433	50 31.7 2484	38 50.3 2498	33 36.3 2956	59 12.0 2789
6	82 49.7 2413	52 13.3 2463	40 31.6 2475	35 7.4 2894	57 37.3 2768
9	84 33.0 2395	53 55.4 2442	42 13.4 2453	36 39.8 2839	56 2.2 2749
12	86 16.7 2376	55 38.0 2422	43 55.7 2431	38 13.4 2788	54 26.6 2730
15	88 0.8 2357	57 21.0 2402	45 38.5 2410	39 48.1 2741	52 50.6 2710
18	89 45.4 2338	59 4.5 2382	47 21.8 2389	41 23.9 2697	51 14.2 2692
21	91 30.5 2320	60 48.5 2363	49 5.7 2369	43 0.6 2657	49 37.3 2673
24 UT	+Jupiter	+Aldebaran	+Elnath	+Betelgeuse	-Sun
0	93 15.9 2301	62 33.0 2343	50 50.0 2348	44 38.2 2618	48 0.1 2655
3	95 1.9 2283	64 17.9 2324	52 34.8 2329	46 16.7 2583	46 22.4 2637
6	96 48.3 2266	66 3.3 2305	54 20.1 2309	47 56.0 2549	44 44.4 2620
9	98 35.1 2248	67 49.2 2287	56 5.8 2290	49 36.1 2517	43 5.9 2603
12	100 22.4 2231	69 35.5 2269	57 52.1 2271	51 16.9 2487	41 27.1 2586
15	102 10.1 2214	71 22.2 2251	59 38.8 2253	52 58.4 2459	39 47.8 2571
18	103 58.2 2197	73 9.4 2234	61 25.9 2235	54 40.6 2432	38 8.3 2556
21	105 46.7 2182	74 57.0 2217	63 13.5 2218	56 23.4 2406	36 28.4 2542
25 UT	+Jupiter	+Betelgeuse	+Pollux	+Mars	-Sun
0	107 35.6 2165	58 6.8 2382	35 30.2 2354	24 8.1 2437	34 48.1 2528
3	109 24.9 2151	59 50.8 2359	37 14.9 2324	25 50.7 2412	33 7.6 2517
6	111 14.6 2135	61 35.4 2337	39 0.3 2296	27 34.0 2388	31 26.7 2506
9	113 4.7 2122	63 20.4 2316	40 46.3 2271	29 17.9 2367	29 45.7 2497
12	114 55.1 2108	65 6.0 2296	42 33.0 2247	31 2.2 2346	28 4.4 2490
15	116 45.9 2095	66 52.1 2278	44 20.3 2225	32 47.1 2328	26 22.9 2485
18	118 37.0 2082	68 38.6 2260	46 8.1 2205	34 32.4 2310	24 41.4 2483
21	120 28.4 2071	70 25.6 2244	47 56.5 2186	36 18.1 2294	22 59.8 2484

SEPTEMBER 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
26 UT	+Betelgeuse	+Pollux	+Procyon	+Mars	-Sun
0	72 12.9 2229	49 45.3 2168	46 19.4 2274	38 4.2 2279	21 18.2 2490
3	74 0.7 2214	51 34.5 2152	48 6.0 2251	39 50.7 2265	19 36.7 2502
6	75 48.8 2201	53 24.2 2136	49 53.2 2229	41 37.6 2251	17 55.6 2523
9	77 37.2 2189	55 14.3 2123	51 40.9 2210	43 24.7 2239	16 14.9 2556
12	79 25.9 2178	57 4.7 2110	53 29.1 2193	45 12.2 2228	14 35.0 2608
15	81 14.9 2167	58 55.4 2097	55 17.8 2176	46 60.0 2217	12 56.2 2687
18	83 4.2 2159	60 46.4 2087	57 6.8 2162	48 48.0 2208	11 19.3 2817
21	84 53.7 2151	62 37.7 2077	58 56.2 2149	50 36.2 2200	9 45.2 3036
28 UT	+Sun	-Antares	-Sabik	-Shaula	-Nunki
0	8 54.3 2890	57 32.4 1986	66 51.1 2012	72 0.0 2127	90 5.4 1992
3	10 26.9 2710	55 38.5 1988	64 57.9 2013	70 9.7 2132	88 11.7 1993
6	12 3.3 2598	53 44.6 1990	63 4.7 2016	68 19.6 2137	86 17.9 1995
9	13 42.2 2525	51 50.8 1993	61 11.5 2021	66 29.5 2145	84 24.2 1997
12	15 22.9 2476	49 57.0 1997	59 18.5 2025	64 39.7 2153	82 30.6 2000
15	17 4.7 2442	48 3.4 2002	57 25.6 2031	62 50.1 2163	80 37.1 2005
18	18 47.2 2419	46 9.9 2008	55 32.8 2038	61 0.7 2175	78 43.6 2010
21	20 30.3 2403	44 16.6 2015	53 40.3 2045	59 11.6 2188	76 50.3 2015
29 UT	+Sun	-Antares	-Sabik	-Kaus Aust.	-Nunki
0	22 13.8 2393	42 23.4 2023	51 47.9 2055	67 30.7 2125	74 57.2 2022
3	23 57.5 2387	40 30.4 2032	49 55.8 2065	65 40.4 2136	73 4.2 2029
6	25 41.4 2385	38 37.7 2041	48 3.9 2076	63 50.4 2148	71 11.4 2037
9	27 25.3 2384	36 45.2 2052	46 12.3 2088	62 0.6 2161	69 18.8 2046
12	29 9.3 2387	34 53.0 2064	44 21.0 2101	60 11.2 2175	67 26.4 2055
15	30 53.2 2391	33 1.1 2077	42 30.0 2116	58 22.1 2191	65 34.3 2066
18	32 36.9 2396	31 9.5 2091	40 39.5 2132	56 33.4 2207	63 42.4 2076
21	34 20.6 2404	29 18.3 2107	38 49.3 2149	54 45.1 2225	61 50.8 2088
30 UT	+Sun	-Antares	-Sabik	-Kaus Aust.	-Nunki
0	36 4.1 2412	27 27.5 2124	36 59.6 2168	52 57.3 2245	59 59.6 2100
3	37 47.4 2422	25 37.1 2144	35 10.3 2190	51 10.0 2266	58 8.6 2114
6	39 30.4 2432	23 47.2 2165	33 21.6 2213	49 23.2 2288	56 18.0 2127
9	41 13.2 2443	21 57.9 2190	31 33.5 2239	47 36.9 2313	54 27.7 2141
12	42 55.8 2455	20 9.2 2219	29 46.0 2267	45 51.3 2340	52 37.8 2156
15	44 38.0 2468	18 21.2 2254	27 59.2 2300	44 6.2 2369	50 48.2 2172
18	46 20.0 2481	16 34.1 2296	26 13.3 2336	42 21.9 2399	48 59.1 2188
21	48 1.6 2496	14 48.0 2350	24 28.2 2379	40 38.3 2433	47 10.3 2205