

SEPTEMBER 2014

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Sun	+Zubenelgen	–Sabik	–Nunki	–Altair
0	72 8.8 3028	5 49.2 2871	27 48.8 2707	52 18.0 2762	72 28.9 3131
3	73 38.4 3013	7 22.1 2789	26 12.3 2696	50 42.7 2753	71 1.4 3126
6	75 8.3 2999	8 56.8 2740	24 35.6 2686	49 7.2 2744	69 33.7 3123
9	76 38.6 2983	10 32.6 2703	22 58.6 2677	47 31.5 2734	68 6.0 3119
12	78 9.1 2969	12 9.2 2675	21 21.4 2669	45 55.6 2726	66 38.3 3118
15	79 40.0 2953	13 46.4 2650	19 44.1 2662	44 19.6 2718	65 10.5 3116
18	81 11.2 2937	15 24.2 2629	18 6.6 2658	42 43.3 2710	63 42.7 3117
21	82 42.7 2921	17 2.4 2609	16 29.0 2655	41 6.9 2703	62 14.8 3118
2 UT	+Sun	–Nunki	–Altair	–Enif	–Fomalhaut
0	84 14.6 2906	39 30.3 2697	60 47.1 3121	87 10.0 2793	91 38.7 2990
3	85 46.7 2889	37 53.6 2692	59 19.3 3125	85 35.4 2780	90 8.3 2975
6	87 19.3 2873	36 16.7 2688	57 51.7 3131	84 0.5 2766	88 37.6 2961
9	88 52.2 2856	34 39.8 2686	56 24.2 3140	82 25.3 2752	87 6.5 2947
12	90 25.4 2839	33 2.9 2686	54 56.8 3150	80 49.9 2739	85 35.2 2933
15	91 59.0 2823	31 25.9 2689	53 29.7 3164	79 14.1 2726	84 3.6 2921
18	93 33.0 2806	29 49.0 2694	52 2.8 3180	77 38.0 2714	82 31.7 2908
21	95 7.3 2789	28 12.2 2704	50 36.3 3199	76 1.6 2701	80 59.6 2896
3 UT	+Sun	+Mars	–Enif	–Fomalhaut	–Markab
0	96 42.0 2772	24 56.9 2714	74 25.0 2690	79 27.2 2885	94 41.8 2642
3	98 17.0 2755	26 33.3 2691	72 48.1 2678	77 54.6 2875	93 3.8 2626
6	99 52.5 2738	28 10.1 2669	71 11.0 2668	76 21.8 2866	91 25.5 2609
9	101 28.3 2721	29 47.5 2648	69 33.6 2658	74 48.7 2857	89 46.8 2594
12	103 4.5 2704	31 25.3 2628	67 56.0 2648	73 15.5 2850	88 7.8 2578
15	104 41.1 2687	33 3.6 2608	66 18.2 2639	71 42.1 2843	86 28.4 2563
18	106 18.0 2669	34 42.3 2588	64 40.2 2631	70 8.6 2838	84 48.6 2548
21	107 55.4 2653	36 21.5 2570	63 2.0 2624	68 35.0 2834	83 8.5 2534
4 UT	+Sun	+Mars	–Enif	–Fomalhaut	–Markab
0	109 33.1 2635	38 1.1 2551	61 23.6 2618	67 1.3 2831	81 28.1 2520
3	111 11.2 2619	39 41.1 2532	59 45.1 2613	65 27.5 2830	79 47.3 2506
6	112 49.6 2602	41 21.5 2515	58 6.5 2611	63 53.7 2831	78 6.3 2493
9	114 28.5 2586	43 2.4 2497	56 27.9 2608	62 19.9 2833	76 24.9 2481
12	116 7.7 2569	44 43.7 2480	54 49.1 2608	60 46.2 2838	74 43.2 2469
15	117 47.3 2553	46 25.3 2463	53 10.4 2610	59 12.5 2845	73 1.3 2458
18	119 27.3 2538	48 7.4 2447	51 31.7 2614	57 39.0 2855	71 19.1 2448
21	121 7.6 2522	49 49.9 2431	49 53.1 2620	56 5.8 2867	69 36.7 2439
5 UT	+Mars	+Shaula	–Enif	–Fomalhaut	–Markab
0	51 32.7 2415	27 50.2 3461	48 14.7 2629	54 32.8 2883	67 54.0 2430
3	53 15.9 2399	29 11.4 3310	46 36.4 2642	53 0.1 2902	66 11.2 2422
6	54 59.5 2384	30 35.4 3181	44 58.5 2658	51 27.8 2925	64 28.1 2416
9	56 43.5 2370	32 1.9 3068	43 20.9 2679	49 56.1 2954	62 44.9 2411
12	58 27.8 2356	33 30.7 2971	41 43.8 2705	48 24.9 2988	61 1.6 2407
15	60 12.4 2342	35 1.5 2886	40 7.2 2737	46 54.4 3027	59 18.2 2405
18	61 57.4 2328	36 34.1 2810	38 31.4 2775	45 24.8 3074	57 34.8 2403
21	63 42.6 2316	38 8.3 2744	36 56.4 2823	43 56.1 3129	55 51.3 2404

SEPTEMBER 2014

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
6 UT	+Mars	+Shaula	+Kaus Aust.	+Nunki	–Markab
0	65 28.2 2304	39 44.0 2684	29 26.5 2878	19 23.5 2545	54 7.8 2407
3	67 14.1 2292	41 21.0 2632	30 59.2 2787	21 3.6 2464	52 24.4 2412
6	69 0.3 2281	42 59.2 2585	32 34.0 2708	22 45.7 2399	50 41.2 2420
9	70 46.7 2271	44 38.4 2542	34 10.4 2640	24 29.3 2346	48 58.1 2430
12	72 33.4 2261	46 18.7 2504	35 48.4 2581	26 14.1 2302	47 15.2 2444
15	74 20.4 2252	47 59.8 2469	37 27.8 2529	28 0.1 2264	45 32.7 2461
18	76 7.5 2243	49 41.7 2438	39 8.3 2484	29 46.9 2233	43 50.6 2482
21	77 54.9 2235	51 24.4 2410	40 49.9 2443	31 34.5 2205	42 8.9 2508
7 UT	+Mars	+Kaus Aust.	+Nunki	–Markab	–Hamal
0	79 42.5 2228	42 32.4 2408	33 22.9 2182	40 27.9 2540	82 11.4 2114
3	81 30.3 2222	44 15.8 2377	35 11.8 2161	38 47.6 2578	80 20.8 2109
6	83 18.2 2216	45 59.9 2349	37 1.2 2144	37 8.2 2623	78 30.0 2104
9	85 6.2 2210	47 44.7 2324	38 51.1 2128	35 29.8 2678	76 39.2 2101
12	86 54.4 2207	49 30.1 2303	40 41.3 2115	33 52.7 2744	74 48.2 2099
15	88 42.7 2203	51 16.0 2284	42 31.9 2104	32 17.0 2823	72 57.2 2097
18	90 31.1 2201	53 2.4 2267	44 22.8 2094	30 43.1 2918	71 6.2 2097
21	92 19.5 2198	54 49.2 2253	46 13.9 2086	29 11.1 3033	69 15.1 2097
8 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	69 30.6 2774	56 36.3 2241	48 5.2 2080	36 47.7 3309	100 10.0 1994
3	71 5.6 2756	58 23.8 2230	49 56.7 2075	38 11.7 3201	98 16.3 1994
6	72 41.0 2740	60 11.5 2221	51 48.4 2070	39 37.9 3107	96 22.6 1993
9	74 16.8 2728	61 59.4 2215	53 40.1 2068	41 5.9 3026	94 28.9 1995
12	75 52.8 2717	63 47.5 2209	55 31.9 2066	42 35.6 2955	92 35.2 1996
15	77 29.1 2709	65 35.7 2205	57 23.7 2066	44 6.7 2894	90 41.5 1999
18	79 5.5 2703	67 24.0 2203	59 15.6 2067	45 39.1 2841	88 47.9 2002
21	80 42.1 2699	69 12.4 2202	61 7.4 2068	47 12.7 2794	86 54.4 2006
9 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	82 18.8 2698	71 0.8 2202	62 59.2 2071	48 47.3 2755	85 1.0 2011
3	83 55.5 2699	72 49.2 2204	64 51.0 2074	50 22.7 2720	83 7.8 2017
6	85 32.2 2701	74 37.5 2207	66 42.6 2079	51 58.9 2691	81 14.6 2023
9	87 8.8 2706	76 25.8 2211	68 34.1 2084	53 35.8 2666	79 21.7 2029
12	88 45.3 2713	78 14.0 2216	70 25.5 2091	55 13.2 2645	77 28.9 2037
15	90 21.7 2721	80 2.0 2223	72 16.7 2098	56 51.1 2628	75 36.3 2046
18	91 57.9 2732	81 49.9 2230	74 7.7 2106	58 29.4 2614	73 43.9 2055
21	93 33.8 2744	83 37.6 2239	75 58.5 2115	60 8.0 2603	71 51.8 2065
10 UT	+Kaus Aust.	+Nunki	+Altair	+Enif	–Aldebaran
0	85 25.1 2248	77 49.1 2125	61 46.8 2595	34 8.7 2844	69 59.9 2075
3	87 12.3 2259	79 39.4 2136	63 25.8 2589	35 42.2 2788	68 8.3 2086
6	88 59.3 2270	81 29.5 2146	65 5.0 2585	37 16.9 2742	66 17.0 2098
9	90 46.1 2283	83 19.3 2159	66 44.2 2585	38 52.6 2704	64 25.9 2110
12	92 32.5 2296	85 8.8 2171	68 23.5 2585	40 29.2 2673	62 35.2 2123
15	94 18.5 2310	86 58.0 2184	70 2.7 2588	42 6.4 2649	60 44.8 2137
18	96 4.3 2325	88 46.8 2198	71 41.9 2592	43 44.2 2629	58 54.8 2150
21	97 49.6 2341	90 35.3 2212	73 21.0 2598	45 22.5 2614	57 5.1 2165

SEPTEMBER 2014

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
11 UT	+Altair	+Enif	+Fomalhaut	+Markab	–Aldebaran
0	74 59.9 2606	47 1.1 2604	45 22.4 3077	28 11.8 3177	55 15.8 2180
3	76 38.7 2615	48 39.9 2595	46 51.1 3040	29 38.4 3086	53 26.8 2196
6	78 17.3 2625	50 18.9 2591	48 20.4 3009	31 6.8 3013	51 38.3 2211
9	79 55.6 2636	51 58.0 2588	49 50.4 2984	32 36.7 2953	49 50.1 2227
12	81 33.7 2649	53 37.2 2589	51 21.0 2964	34 7.9 2905	48 2.3 2244
15	83 11.5 2663	55 16.3 2591	52 51.9 2947	35 40.1 2867	46 15.0 2261
18	84 48.9 2678	56 55.5 2595	54 23.3 2934	37 13.1 2836	44 28.1 2278
21	86 26.1 2694	58 34.5 2600	55 54.9 2925	38 46.8 2812	42 41.6 2296
12 UT	+Altair	+Enif	+Fomalhaut	+Markab	–Aldebaran
0	88 2.9 2711	60 13.4 2608	57 26.6 2918	40 21.0 2793	40 55.5 2315
3	89 39.3 2728	61 52.1 2616	58 58.6 2914	41 55.6 2779	39 9.9 2332
6	91 15.3 2747	63 30.7 2626	60 30.6 2912	43 30.5 2769	37 24.7 2351
9	92 50.9 2767	65 9.0 2636	62 2.6 2912	45 5.6 2763	35 39.9 2370
12	94 26.1 2787	66 47.1 2647	63 34.7 2915	46 40.9 2759	33 55.7 2389
15	96 0.9 2809	68 24.9 2660	65 6.7 2919	48 16.2 2758	32 11.8 2408
18	97 35.1 2830	70 2.5 2673	66 38.6 2924	49 51.6 2759	30 28.4 2427
21	99 8.9 2853	71 39.7 2687	68 10.4 2931	51 27.0 2762	28 45.5 2447
13 UT	+Enif	+Fomalhaut	+Markab	–Pollux	–Procyon
0	73 16.6 2701	69 42.0 2939	53 2.2 2767	70 44.1 2566	72 59.1 2545
3	74 53.3 2717	71 13.5 2949	54 37.4 2773	69 4.4 2588	71 18.9 2566
6	76 29.6 2732	72 44.7 2959	56 12.5 2781	67 25.3 2610	69 39.2 2587
9	78 5.5 2748	74 15.8 2970	57 47.3 2789	65 46.6 2631	68 0.0 2608
12	79 41.1 2764	75 46.6 2982	59 22.0 2798	64 8.4 2653	66 21.3 2629
15	81 16.3 2781	77 17.2 2995	60 56.5 2809	62 30.7 2676	64 43.0 2650
18	82 51.2 2798	78 47.5 3009	62 30.8 2820	60 53.5 2699	63 5.3 2672
21	84 25.7 2815	80 17.5 3023	64 4.8 2831	59 16.8 2721	61 28.0 2693
14 UT	+Markab	–Betelgeuse	–Pollux	–Procyon	–Sun
0	65 38.6 2844	34 26.0 2889	57 40.6 2745	59 51.2 2715	114 35.3 2947
3	67 12.1 2856	32 53.5 2933	56 4.9 2769	58 14.8 2737	113 4.0 2967
6	68 45.4 2869	31 21.9 2981	54 29.8 2792	56 39.0 2760	111 33.1 2985
9	70 18.3 2882	29 51.3 3034	52 55.2 2816	55 3.7 2782	110 2.6 3005
12	71 51.0 2895	28 21.8 3092	51 21.1 2840	53 28.8 2804	108 32.5 3023
15	73 23.4 2909	26 53.4 3158	49 47.5 2866	51 54.5 2827	107 2.8 3042
18	74 55.5 2923	25 26.5 3233	48 14.5 2892	50 20.6 2851	105 33.4 3060
21	76 27.4 2937	24 1.0 3319	46 42.0 2918	48 47.2 2874	104 4.5 3078
15 UT	+Markab	+Hamal	–Pollux	–Procyon	–Sun
0	77 58.9 2950	34 25.4 3028	45 10.0 2945	47 14.4 2898	102 35.9 3096
3	79 30.1 2965	35 55.1 3023	43 38.7 2973	45 42.0 2922	101 7.7 3113
6	81 1.1 2978	37 24.8 3021	42 7.9 3001	44 10.2 2947	99 39.8 3130
9	82 31.7 2993	38 54.6 3021	40 37.8 3032	42 38.9 2973	98 12.2 3147
12	84 2.1 3007	40 24.3 3021	39 8.2 3064	41 8.1 3000	96 45.0 3163
15	85 32.1 3021	41 54.1 3024	37 39.3 3097	39 37.9 3028	95 18.2 3179
18	87 1.9 3034	43 23.8 3027	36 11.1 3133	38 8.3 3057	93 51.6 3195
21	88 31.4 3048	44 53.5 3031	34 43.6 3171	36 39.3 3087	92 25.4 3210

SEPTEMBER 2014

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
16 UT	+Fomalhaut	+Markab	+Aldebaran	–Procyon	–Sun
0	104 56.9 3324	90 0.6 3062	12 3.0 2894	35 10.9 3120	90 59.4 3224
3	106 20.6 3345	91 29.5 3076	13 35.5 2902	33 43.1 3155	89 33.7 3239
6	107 43.9 3365	92 58.2 3088	15 7.7 2910	32 16.1 3191	88 8.4 3252
9	109 6.9 3387	94 26.6 3102	16 39.8 2920	30 49.7 3232	86 43.3 3266
12	110 29.4 3409	95 54.7 3115	18 11.7 2930	29 24.2 3277	85 18.4 3279
15	111 51.5 3431	97 22.5 3128	19 43.4 2939	27 59.6 3327	83 53.8 3292
18	113 13.1 3453	98 50.1 3140	21 14.9 2949	26 35.9 3383	82 29.5 3304
21	114 34.4 3477	100 17.5 3153	22 46.1 2959	25 13.3 3446	81 5.4 3315
17 UT	+Markab	+Aldebaran	–Pollux	–Procyon	–Sun
0	101 44.5 3166	24 17.2 2968	22 19.9 3772	23 52.0 3520	79 41.5 3327
3	103 11.3 3178	25 48.1 2977	21 4.4 3902	22 31.9 3606	78 17.8 3337
6	104 37.9 3191	27 18.7 2986	19 51.1 4060	21 13.5 3709	76 54.4 3348
9	106 4.3 3203	28 49.2 2994	18 40.4 4254	19 56.9 3832	75 31.1 3357
12	107 30.3 3215	30 19.6 3002	17 32.9 4495	18 42.4 3984	74 8.0 3366
15	108 56.2 3227	31 49.7 3010	16 28.9 4801	17 30.5 4172	72 45.1 3375
18	110 21.8 3239	33 19.7 3017	15 29.3 5197	16 21.6 4413	71 22.4 3384
21	111 47.2 3251	34 49.6 3024	14 35.0 5719	15 16.5 4722	69 59.8 3391
18 UT	+Markab	+Aldebaran	+Alnilam	+Betelgeuse	–Sun
0	113 12.3 3263	36 19.3 3031	29 10.9 4387	20 17.9 3775	68 37.4 3399
3	114 37.2 3275	37 48.8 3037	30 16.4 4276	21 33.4 3689	67 15.1 3406
6	116 1.9 3287	39 18.3 3042	31 23.7 4179	22 50.3 3618	65 52.9 3412
9	117 26.3 3300	40 47.6 3048	32 32.4 4095	24 8.6 3560	64 30.9 3419
12	118 50.5 3312	42 16.8 3052	33 42.5 4020	25 27.8 3512	63 9.0 3424
15	120 14.5 3325	43 45.9 3057	34 53.8 3955	26 48.0 3471	61 47.1 3429
18	121 38.2 3337	45 15.0 3061	36 6.2 3896	28 9.0 3436	60 25.4 3433
21	123 1.7 3351	46 43.9 3065	37 19.6 3845	29 30.5 3408	59 3.8 3438
19 UT	+Aldebaran	+Alnilam	+Betelgeuse	+Pollux	–Sun
0	48 12.8 3068	38 33.9 3799	30 52.6 3382	12 52.3 6802	57 42.2 3441
3	49 41.6 3071	39 48.9 3758	32 15.3 3361	13 29.9 6017	56 20.8 3445
6	51 10.3 3074	41 4.7 3721	33 38.3 3341	14 14.9 5447	54 59.3 3448
9	52 39.0 3076	42 21.1 3687	35 1.7 3324	15 6.2 5020	53 38.0 3451
12	54 7.6 3077	43 38.1 3656	36 25.4 3309	16 2.9 4694	52 16.7 3452
15	55 36.2 3079	44 55.6 3629	37 49.4 3296	17 4.0 4441	50 55.4 3454
18	57 4.8 3080	46 13.7 3603	39 13.6 3283	18 8.7 4241	49 34.1 3456
21	58 33.4 3081	47 32.2 3580	40 38.2 3272	19 16.5 4081	48 12.9 3457
20 UT	+Aldebaran	+Betelgeuse	+Pollux	+Procyon	–Sun
0	60 1.9 3081	42 2.9 3262	20 26.8 3951	17 55.2 4014	46 51.7 3457
3	61 30.4 3081	43 27.8 3252	21 39.3 3844	19 6.6 3884	45 30.5 3457
6	62 59.0 3081	44 52.9 3243	22 53.6 3756	20 20.2 3779	44 9.4 3457
9	64 27.5 3080	46 18.2 3235	24 9.4 3681	21 35.6 3692	42 48.2 3457
12	65 56.1 3080	47 43.7 3227	25 26.5 3619	22 52.5 3621	41 27.0 3456
15	67 24.6 3078	49 9.3 3219	26 44.7 3564	24 10.7 3560	40 5.8 3455
18	68 53.2 3077	50 35.0 3212	28 3.9 3518	25 30.0 3510	38 44.5 3454
21	70 21.9 3075	52 1.0 3204	29 24.0 3477	26 50.2 3465	37 23.3 3452

SEPTEMBER 2014

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
21 UT	+Betelgeuse	+Sirius	+Pollux	+Procyon	–Sun
0	53 27.0 3197	49 2.4 4809	30 44.8 3442	28 11.2 3427	36 2.0 3450
3	54 53.2 3191	50 1.9 4733	32 6.3 3410	29 33.0 3394	34 40.7 3448
6	56 19.5 3184	51 2.4 4660	33 28.3 3382	30 55.4 3364	33 19.3 3445
9	57 46.0 3177	52 4.0 4592	34 51.0 3356	32 18.3 3337	31 57.9 3443
12	59 12.6 3171	53 6.5 4530	36 14.1 3333	33 41.8 3314	30 36.4 3440
15	60 39.3 3164	54 9.9 4472	37 37.6 3312	35 5.7 3293	29 14.9 3437
18	62 6.2 3157	55 14.2 4417	39 1.6 3293	36 30.0 3273	27 53.4 3434
21	63 33.2 3151	56 19.3 4367	40 25.9 3275	37 54.7 3255	26 31.7 3431
22 UT	+Betelgeuse	+Sirius	+Pollux	+Procyon	–Sun
0	65 0.3 3145	57 25.1 4319	41 50.6 3258	39 19.8 3238	25 10.0 3427
3	66 27.6 3138	58 31.7 4274	43 15.6 3242	40 45.2 3223	23 48.3 3423
6	67 54.9 3131	59 39.0 4232	44 40.9 3227	42 10.9 3208	22 26.5 3420
9	69 22.5 3125	60 46.9 4192	46 6.5 3214	43 36.9 3195	21 4.6 3417
12	70 50.1 3118	61 55.5 4155	47 32.3 3201	45 3.1 3181	19 42.6 3414
15	72 17.9 3112	63 4.6 4121	48 58.5 3188	46 29.6 3169	18 20.6 3411
18	73 45.8 3106	64 14.3 4088	50 24.9 3176	47 56.4 3157	16 58.6 3409
21	75 13.8 3099	65 24.5 4057	51 51.5 3164	49 23.4 3145	15 36.5 3407
25 UT	+Sun	–Saturn	–Mars	–Antares	–Sabik
0	8 20.4 3334	39 53.0 2936	57 21.0 3183	59 50.7 2970	68 19.0 2908
3	9 43.9 3308	38 21.4 2929	55 54.5 3176	58 19.8 2965	66 46.9 2900
6	11 7.9 3288	36 49.7 2921	54 27.9 3169	56 48.9 2960	65 14.6 2894
9	12 32.3 3272	35 17.9 2914	53 1.1 3163	55 17.9 2955	63 42.1 2886
12	13 57.1 3258	33 45.9 2906	51 34.3 3157	53 46.7 2951	62 9.5 2879
15	15 22.1 3244	32 13.7 2899	50 7.2 3150	52 15.5 2947	60 36.8 2872
18	16 47.4 3233	30 41.4 2892	48 40.1 3144	50 44.2 2943	59 3.9 2864
21	18 12.9 3221	29 8.9 2884	47 12.8 3138	49 12.8 2939	57 30.8 2857
26 UT	+Sun	–Saturn	–Antares	–Sabik	–Nunki
0	19 38.6 3211	27 36.2 2876	47 41.3 2936	55 57.6 2849	80 9.1 2894
3	21 4.5 3200	26 3.4 2869	46 9.8 2933	54 24.2 2842	78 36.7 2887
6	22 30.6 3190	24 30.4 2861	44 38.2 2931	52 50.6 2834	77 4.1 2879
9	23 57.0 3181	22 57.3 2853	43 6.5 2930	51 16.9 2827	75 31.4 2873
12	25 23.5 3171	21 24.0 2845	41 34.9 2928	49 43.1 2819	73 58.5 2865
15	26 50.2 3161	19 50.5 2838	40 3.2 2928	48 9.0 2811	72 25.4 2858
18	28 17.1 3152	18 16.9 2830	38 31.5 2929	46 34.8 2803	70 52.2 2851
21	29 44.2 3142	16 43.1 2823	36 59.8 2931	45 0.4 2795	69 18.9 2844
27 UT	+Sun	–Antares	–Sabik	–Kaus Aust.	–Nunki
0	31 11.6 3133	35 28.1 2935	43 25.8 2788	61 14.0 3012	67 45.4 2837
3	32 39.0 3122	33 56.6 2939	41 51.1 2780	59 44.1 3011	66 11.7 2830
6	34 6.7 3113	32 25.1 2946	40 16.2 2772	58 14.1 3011	64 37.9 2822
9	35 34.6 3103	30 53.8 2956	38 41.2 2764	56 44.1 3012	63 3.9 2816
12	37 2.7 3093	29 22.6 2968	37 5.9 2757	55 14.2 3014	61 29.8 2809
15	38 31.0 3084	27 51.8 2985	35 30.5 2749	53 44.3 3016	59 55.6 2803
18	39 59.5 3074	26 21.3 3006	33 55.0 2742	52 14.4 3020	58 21.2 2797
21	41 28.2 3064	24 51.2 3033	32 19.2 2734	50 44.6 3024	56 46.7 2790

SEPTEMBER 2014

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Sun	–Mars	–Sabik	–Nunki	–Markab
0	42 57.0 3054	22 15.6 3110	30 43.3 2727	55 12.0 2784	122 38.4 2984
3	44 26.1 3044	20 47.6 3125	29 7.3 2720	53 37.2 2778	121 7.8 2965
6	45 55.4 3034	19 20.0 3145	27 31.0 2712	52 2.2 2772	119 36.9 2947
9	47 24.9 3023	17 52.7 3175	25 54.7 2706	50 27.2 2767	118 5.6 2931
12	48 54.7 3013	16 26.1 3216	24 18.1 2700	48 52.0 2762	116 33.9 2914
15	50 24.6 3003	15 0.2 3273	22 41.5 2695	47 16.7 2757	115 1.9 2898
18	51 54.7 2992	13 35.5 3357	21 4.7 2691	45 41.3 2753	113 29.6 2883
21	53 25.1 2981	12 12.5 3480	19 27.9 2687	44 5.8 2749	111 56.9 2868
29 UT	+Sun	–Nunki	–Al na'ir	–Fomalhaut	–Markab
0	54 55.7 2971	42 30.3 2747	79 48.8 3690	94 27.9 3055	110 23.9 2853
3	56 26.5 2960	40 54.7 2744	78 31.8 3693	92 58.8 3044	108 50.6 2839
6	57 57.5 2949	39 19.0 2743	77 14.9 3696	91 29.5 3033	107 17.0 2825
9	59 28.8 2938	37 43.3 2744	75 58.1 3702	90 0.0 3023	105 43.1 2811
12	61 0.3 2926	36 7.6 2745	74 41.4 3709	88 30.3 3013	104 8.9 2798
15	62 32.1 2915	34 31.9 2748	73 24.7 3719	87 0.4 3004	102 34.4 2785
18	64 4.1 2903	32 56.3 2753	72 8.3 3730	85 30.2 2995	100 59.6 2772
21	65 36.3 2892	31 20.8 2761	70 52.1 3743	83 59.9 2987	99 24.5 2759
30 UT	+Sun	+Mars	–Nunki	–Enif	–Fomalhaut
0	67 8.8 2881	6 28.2 5194	29 45.5 2772	77 30.4 2784	82 29.5 2980
3	68 41.5 2869	7 22.6 4321	28 10.5 2787	75 55.6 2777	80 58.8 2973
6	70 14.4 2857	8 29.1 3822	26 35.7 2806	74 20.7 2770	79 28.1 2967
9	71 47.7 2845	9 43.8 3513	25 1.4 2833	72 45.6 2763	77 57.2 2961
12	73 21.1 2834	11 3.9 3311	23 27.6 2868	71 10.3 2757	76 26.2 2957
15	74 54.9 2821	12 27.9 3171	21 54.7 2914	69 34.9 2751	74 55.1 2953
18	76 28.9 2809	13 54.6 3069	20 22.7 2976	67 59.4 2746	73 23.9 2950
21	78 3.1 2797	15 23.4 2990	18 51.9 3058	66 23.8 2742	71 52.6 2948