

JUNE 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Denebola	+Gienah	+Spica	−Sabik	−Nunki
0	58 12.6 2917	42 39.1 3064	26 30.6 2783	28 18.2 2764	53 0.0 2824
3	59 44.5 2900	44 8.0 3034	28 5.4 2768	26 43.0 2755	51 26.1 2815
6	61 16.8 2883	45 37.5 3007	29 40.5 2753	25 7.5 2745	49 52.0 2807
9	62 49.5 2866	47 7.6 2981	31 16.0 2739	23 31.9 2737	48 17.7 2800
12	64 22.5 2851	48 38.2 2956	32 51.8 2724	21 56.0 2729	46 43.2 2793
15	65 55.9 2835	50 9.3 2932	34 28.0 2711	20 20.0 2723	45 8.6 2786
18	67 29.5 2820	51 40.9 2910	36 4.4 2697	18 43.9 2717	43 33.8 2781
21	69 3.6 2805	53 13.0 2888	37 41.1 2684	17 7.6 2714	41 59.0 2776
2 UT	+Denebola	+Gienah	+Spica	+Zubenelgen	−Nunki
0	70 37.9 2791	54 45.6 2868	39 18.1 2671	17 59.1 2700	40 24.0 2772
3	72 12.6 2777	56 18.6 2849	40 55.4 2658	19 35.8 2682	38 48.9 2769
6	73 47.5 2763	57 52.0 2830	42 33.0 2646	21 12.8 2665	37 13.8 2768
9	75 22.8 2750	59 25.8 2812	44 10.9 2634	22 50.3 2649	35 38.6 2768
12	76 58.4 2736	60 60.0 2795	45 49.0 2621	24 28.1 2634	34 3.5 2770
15	78 34.2 2724	62 34.5 2779	47 27.4 2610	26 6.2 2620	32 28.4 2775
18	80 10.3 2712	64 9.5 2762	49 6.1 2598	27 44.7 2606	30 53.4 2782
21	81 46.7 2700	65 44.7 2747	50 45.1 2587	29 23.4 2594	29 18.5 2793
3 UT	+Spica	+Zubenelgen	−Nunki	−Enif	−Fomalhaut
0	52 24.3 2576	31 2.5 2581	27 43.9 2808	75 17.9 2829	80 34.8 2966
3	54 3.7 2565	32 41.8 2569	26 9.6 2828	73 44.1 2823	79 3.9 2960
6	55 43.4 2554	34 21.4 2558	24 35.8 2855	72 10.2 2818	77 32.9 2955
9	57 23.4 2544	36 1.3 2547	23 2.5 2891	70 36.1 2814	76 1.7 2951
12	59 3.6 2533	37 41.4 2535	21 30.0 2938	69 2.0 2810	74 30.5 2948
15	60 44.0 2524	39 21.8 2525	19 58.5 3002	67 27.7 2808	72 59.2 2946
18	62 24.7 2514	41 2.4 2515	18 28.3 3086	65 53.4 2806	71 27.9 2945
21	64 5.6 2504	42 43.3 2505	16 59.9 3201	64 19.1 2806	69 56.5 2945
4 UT	+Saturn	+Sabik	−Enif	−Fomalhaut	−Markab
0	28 50.8 2472	11 28.9 2573	62 44.8 2806	68 25.2 2947	82 51.4 2711
3	30 32.7 2462	13 8.4 2545	61 10.5 2808	66 53.9 2950	81 15.0 2704
6	32 14.8 2453	14 48.5 2522	59 36.2 2812	65 22.6 2954	79 38.4 2697
9	33 57.1 2444	16 29.2 2504	58 2.0 2816	63 51.4 2960	78 1.7 2692
12	35 39.6 2435	18 10.4 2488	56 27.9 2822	62 20.4 2968	76 24.9 2687
15	37 22.4 2427	19 51.8 2475	54 53.9 2830	60 49.5 2977	74 48.0 2684
18	39 5.3 2418	21 33.6 2462	53 20.1 2840	59 18.9 2988	73 10.9 2680
21	40 48.4 2411	23 15.7 2451	51 46.5 2852	57 48.4 3002	71 33.8 2678
5 UT	+Saturn	+Sabik	−Enif	−Fomalhaut	−Markab
0	42 31.7 2403	24 58.1 2441	50 13.2 2867	56 18.3 3018	69 56.7 2676
3	44 15.2 2396	26 40.7 2432	48 40.2 2884	54 48.4 3037	68 19.5 2675
6	45 58.9 2389	28 23.5 2423	47 7.6 2904	53 19.0 3059	66 42.3 2675
9	47 42.7 2382	30 6.5 2415	45 35.3 2928	51 50.0 3084	65 5.0 2676
12	49 26.7 2375	31 49.7 2407	44 3.6 2955	50 21.5 3112	63 27.8 2678
15	51 10.9 2369	33 33.1 2400	42 32.5 2988	48 53.6 3145	61 50.7 2681
18	52 55.2 2363	35 16.7 2393	41 2.0 3025	47 26.4 3183	60 13.6 2685
21	54 39.7 2357	37 0.4 2386	39 32.4 3069	45 59.9 3225	58 36.6 2691

JUNE 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
6 UT	+Saturn	+Shaula	+Kaus Aust.	+Nunki	–Markab
0	56 24.3 2351	37 0.5 3068	26 49.9 3341	16 37.7 2979	56 59.8 2699
3	58 9.0 2346	38 29.3 3011	28 13.3 3231	18 8.3 2870	55 23.1 2707
6	59 53.9 2341	39 59.3 2961	29 38.8 3138	19 41.3 2786	53 46.6 2718
9	61 38.9 2336	41 30.3 2916	31 6.2 3058	21 16.0 2719	52 10.3 2730
12	63 24.0 2331	43 2.3 2876	32 35.2 2989	22 52.3 2665	50 34.3 2745
15	65 9.2 2326	44 35.1 2839	34 5.6 2929	24 29.7 2621	48 58.7 2762
18	66 54.6 2322	46 8.7 2807	35 37.3 2877	26 8.1 2585	47 23.4 2782
21	68 40.0 2317	47 43.0 2778	37 10.1 2831	27 47.4 2553	45 48.5 2804
7 UT	+Saturn	+Shaula	+Kaus Aust.	+Nunki	–Sun
0	70 25.6 2313	49 17.9 2751	38 43.9 2791	29 27.3 2527	124 46.8 2661
3	72 11.2 2310	50 53.5 2727	40 18.5 2755	31 7.9 2505	123 9.3 2657
6	73 56.9 2306	52 29.5 2705	41 54.0 2724	32 49.0 2485	121 31.7 2652
9	75 42.8 2303	54 6.1 2685	43 30.1 2695	34 30.6 2468	119 54.0 2648
12	77 28.7 2299	55 43.0 2667	45 6.9 2670	36 12.5 2453	118 16.1 2644
15	79 14.7 2296	57 20.4 2650	46 44.2 2647	37 54.8 2440	116 38.2 2640
18	81 0.8 2293	58 58.2 2635	48 22.0 2626	39 37.5 2428	115 0.2 2636
21	82 46.9 2291	60 36.3 2621	50 0.4 2608	41 20.4 2418	113 22.1 2633
8 UT	+Sabik	+Shaula	+Kaus Aust.	+Nunki	–Sun
0	66 43.3 2312	62 14.7 2609	51 39.1 2591	43 3.5 2408	111 44.0 2630
3	68 29.0 2309	63 53.4 2597	53 18.2 2575	44 46.9 2399	110 5.7 2626
6	70 14.8 2307	65 32.4 2587	54 57.7 2562	46 30.5 2392	108 27.4 2624
9	72 0.6 2304	67 11.6 2577	56 37.5 2550	48 14.2 2384	106 49.1 2621
12	73 46.5 2302	68 51.0 2568	58 17.5 2537	49 58.2 2378	105 10.6 2618
15	75 32.4 2300	70 30.7 2561	59 57.9 2528	51 42.3 2373	103 32.2 2617
18	77 18.4 2298	72 10.5 2554	61 38.4 2518	53 26.5 2367	101 53.6 2614
21	79 4.4 2296	73 50.4 2548	63 19.2 2510	55 10.9 2363	100 15.1 2613
9 UT	+Shaula	+Kaus Aust.	+Nunki	+Altair	–Sun
0	75 30.5 2542	65 0.2 2502	56 55.3 2358	44 27.1 3216	98 36.4 2611
3	77 10.7 2537	66 41.4 2495	58 39.9 2354	45 53.0 3160	96 57.8 2609
6	78 51.1 2534	68 22.7 2489	60 24.6 2351	47 19.9 3110	95 19.1 2608
9	80 31.5 2529	70 4.2 2483	62 9.3 2348	48 47.9 3065	93 40.4 2607
12	82 12.0 2526	71 45.8 2478	63 54.1 2345	50 16.7 3025	92 1.6 2606
15	83 52.6 2524	73 27.5 2474	65 39.0 2343	51 46.4 2989	90 22.8 2605
18	85 33.3 2522	75 9.3 2470	67 24.0 2340	53 16.8 2957	88 44.0 2604
21	87 14.0 2521	76 51.2 2467	69 9.0 2339	54 47.9 2927	87 5.2 2604
10 UT	+Shaula	+Kaus Aust.	+Nunki	+Altair	–Sun
0	88 54.7 2520	78 33.2 2464	70 54.0 2337	56 19.7 2901	85 26.4 2603
3	90 35.5 2520	80 15.2 2462	72 39.1 2336	57 52.0 2877	83 47.6 2603
6	92 16.2 2520	81 57.3 2460	74 24.2 2334	59 24.8 2855	82 8.7 2603
9	93 56.9 2521	83 39.5 2459	76 9.4 2334	60 58.0 2836	80 29.9 2603
12	95 37.6 2523	85 21.7 2458	77 54.5 2333	62 31.7 2818	78 51.1 2603
15	97 18.3 2525	87 3.8 2458	79 39.7 2333	64 5.8 2803	77 12.2 2605
18	98 59.0 2528	88 46.0 2458	81 24.9 2333	65 40.2 2789	75 33.4 2605
21	100 39.5 2531	90 28.2 2459	83 10.1 2333	67 14.9 2776	73 54.6 2606

JUNE 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
11 UT	+Nunki	+Altair	+Enif	+Fomalhaut	–Sun
0	84 55.2 2333	68 49.8 2766	40 58.9 2887	38 52.6 3405	72 15.9 2607
3	86 40.4 2334	70 25.0 2756	42 31.5 2849	40 14.8 3326	70 37.1 2609
6	88 25.6 2335	72 0.4 2748	44 4.9 2815	41 38.5 3257	68 58.4 2609
9	90 10.7 2337	73 36.0 2741	45 39.0 2785	43 3.5 3196	67 19.7 2612
12	91 55.8 2338	75 11.8 2735	47 13.8 2759	44 29.7 3141	65 41.1 2614
15	93 40.8 2340	76 47.7 2730	48 49.1 2736	45 57.0 3093	64 2.5 2616
18	95 25.9 2342	78 23.7 2727	50 25.0 2716	47 25.3 3051	62 23.9 2619
21	97 10.8 2344	79 59.7 2724	52 1.3 2698	48 54.5 3012	60 45.5 2621
12 UT	+Altair	+Enif	+Fomalhaut	+Markab	–Sun
0	81 35.9 2722	53 38.0 2682	50 24.4 2979	34 19.8 3054	59 7.0 2625
3	83 12.0 2721	55 15.1 2668	51 55.1 2949	35 48.9 2994	57 28.7 2628
6	84 48.2 2722	56 52.4 2657	53 26.4 2922	37 19.2 2943	55 50.4 2632
9	86 24.4 2723	58 30.0 2646	54 58.2 2899	38 50.6 2898	54 12.2 2636
12	88 0.5 2725	60 7.9 2637	56 30.5 2878	40 23.0 2859	52 34.1 2640
15	89 36.6 2728	61 46.0 2630	58 3.3 2860	41 56.1 2826	50 56.1 2645
18	91 12.7 2733	63 24.2 2624	59 36.5 2844	43 30.0 2798	49 18.3 2650
21	92 48.6 2737	65 2.5 2619	61 10.0 2830	45 4.5 2773	47 40.5 2656
13 UT	+Enif	+Fomalhaut	+Markab	+Diphda	–Sun
0	66 41.0 2615	62 43.8 2818	46 39.6 2751	36 56.3 3248	46 2.8 2662
3	68 19.6 2612	64 17.9 2807	48 15.1 2732	38 21.5 3183	44 25.3 2668
6	69 58.2 2611	65 52.2 2799	49 51.0 2717	39 48.0 3126	42 48.0 2675
9	71 36.8 2610	67 26.6 2792	51 27.3 2703	41 15.6 3077	41 10.8 2683
12	73 15.5 2610	69 1.3 2786	53 3.9 2692	42 44.2 3035	39 33.7 2691
15	74 54.2 2611	70 36.0 2782	54 40.7 2682	44 13.7 2997	37 56.9 2700
18	76 32.9 2613	72 10.9 2779	56 17.8 2674	45 44.0 2965	36 20.2 2709
21	78 11.5 2615	73 45.8 2777	57 55.0 2668	47 14.9 2937	34 43.8 2719
14 UT	+Enif	+Fomalhaut	+Markab	+Diphda	–Sun
0	79 50.0 2618	75 20.7 2777	59 32.4 2663	48 46.4 2913	33 7.5 2731
3	81 28.5 2623	76 55.7 2777	61 9.9 2660	50 18.4 2893	31 31.6 2743
6	83 6.9 2628	78 30.6 2779	62 47.4 2658	51 50.9 2874	29 55.9 2757
9	84 45.2 2633	80 5.6 2781	64 25.0 2656	53 23.8 2859	28 20.5 2771
12	86 23.4 2639	81 40.4 2785	66 2.6 2657	54 56.9 2847	26 45.4 2788
15	88 1.4 2646	83 15.2 2789	67 40.2 2657	56 30.4 2836	25 10.7 2807
18	89 39.2 2654	84 49.9 2795	69 17.9 2660	58 4.0 2828	23 36.4 2829
21	91 16.9 2662	86 24.5 2801	70 55.4 2662	59 37.9 2821	22 2.5 2853
15 UT	+Fomalhaut	+Markab	+Diphda	+Hamal	–Sun
0	87 58.9 2809	72 32.9 2666	61 11.9 2816	29 13.6 2875	20 29.2 2882
3	89 33.1 2817	74 10.3 2670	62 46.0 2812	30 46.5 2840	18 56.5 2917
6	91 7.2 2826	75 47.7 2676	64 20.2 2810	32 20.1 2812	17 24.6 2960
9	92 41.1 2836	77 24.9 2682	65 54.4 2810	33 54.3 2790	15 53.5 3014
12	94 14.8 2847	79 1.9 2688	67 28.7 2810	35 28.9 2771	14 23.6 3083
15	95 48.2 2859	80 38.8 2695	69 2.9 2811	37 4.0 2757	12 55.1 3178
18	97 21.4 2871	82 15.6 2703	70 37.1 2814	38 39.4 2746	11 28.5 3311
21	98 54.3 2885	83 52.2 2712	72 11.3 2817	40 15.0 2738	10 4.6 3511

JUNE 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
17 UT	+Sun	–Venus	–Regulus	–Denebola	–Spica
0	7 8.8 4057	40 22.1 2936	59 34.7 2597	82 29.8 2710	113 6.9 2596
3	8 19.5 3716	38 50.6 2952	57 55.7 2609	80 53.4 2724	111 27.9 2608
6	9 36.0 3514	37 19.4 2968	56 17.0 2622	79 17.3 2737	109 49.2 2620
9	10 56.2 3388	35 48.5 2985	54 38.6 2634	77 41.4 2750	108 10.7 2631
12	12 18.7 3306	34 18.0 3003	53 0.5 2647	76 5.9 2764	106 32.5 2643
15	13 42.7 3253	32 47.9 3022	51 22.6 2660	74 30.7 2779	104 54.6 2656
18	15 7.8 3218	31 18.1 3041	49 45.1 2673	72 55.8 2794	103 17.0 2668
21	16 33.6 3195	29 48.8 3062	48 7.8 2686	71 21.2 2808	101 39.6 2680
18 UT	+Sun	–Venus	–Regulus	–Denebola	–Spica
0	17 59.8 3180	28 19.9 3084	46 30.9 2699	69 46.9 2824	100 2.5 2692
3	19 26.4 3172	26 51.4 3108	44 54.2 2713	68 13.0 2840	98 25.7 2705
6	20 53.1 3167	25 23.4 3134	43 17.8 2726	66 39.4 2856	96 49.2 2718
9	22 19.9 3166	23 56.0 3162	41 41.8 2740	65 6.1 2872	95 12.9 2730
12	23 46.7 3168	22 29.0 3194	40 6.0 2753	63 33.2 2888	93 36.9 2743
15	25 13.5 3172	21 2.8 3230	38 30.5 2768	62 0.7 2905	92 1.2 2755
18	26 40.2 3177	19 37.2 3271	36 55.4 2782	60 28.5 2923	90 25.8 2768
21	28 6.8 3183	18 12.5 3319	35 20.5 2796	58 56.7 2941	88 50.6 2780
19 UT	+Sun	–Venus	–Jupiter	–Regulus	–Spica
0	29 33.3 3191	16 48.7 3378	23 26.2 2935	33 46.0 2810	87 15.7 2793
3	30 59.6 3199	15 26.0 3450	21 54.7 2961	32 11.7 2825	85 41.1 2805
6	32 25.8 3207	14 4.7 3542	20 23.7 2990	30 37.8 2840	84 6.8 2817
9	33 51.8 3217	12 45.1 3664	18 53.2 3023	29 4.2 2855	82 32.7 2829
12	35 17.6 3226	11 27.6 3833	17 23.5 3062	27 31.0 2871	80 58.9 2841
15	36 43.2 3236	10 13.2 4073	15 54.6 3109	25 58.1 2887	79 25.3 2853
18	38 8.6 3246	9 2.7 4439	14 26.6 3169	24 25.5 2905	77 52.0 2865
21	39 33.9 3256	7 58.0 5021	12 59.9 3246	22 53.3 2922	76 19.0 2876
20 UT	+Sun	–Spica	–Alphecca	–Zubelgen	–Antares
0	40 58.9 3266	74 46.2 2888	95 19.6 4126	96 7.5 2884	120 12.5 2952
3	42 23.7 3276	73 13.6 2899	94 10.0 4132	94 34.8 2895	118 41.3 2960
6	43 48.4 3286	71 41.3 2910	93 0.5 4139	93 2.4 2906	117 10.2 2969
9	45 12.8 3296	70 9.2 2921	91 51.1 4147	91 30.2 2917	115 39.4 2978
12	46 37.1 3306	68 37.3 2931	90 41.8 4157	89 58.3 2927	114 8.7 2987
15	48 1.2 3316	67 5.7 2942	89 32.7 4167	88 26.5 2937	112 38.3 2996
18	49 25.1 3325	65 34.3 2952	88 23.8 4179	86 55.0 2947	111 8.0 3004
21	50 48.8 3334	64 3.1 2962	87 15.0 4192	85 23.7 2956	109 37.8 3012
21 UT	+Sun	+Venus	–Spica	–Rasalhague	–Shaula
0	52 12.3 3344	9 10.4 4163	62 32.1 2972	117 5.5 3828	121 12.7 3285
3	53 35.6 3352	10 19.4 3957	61 1.3 2981	115 51.0 3815	119 48.2 3284
6	54 58.8 3361	11 31.8 3818	59 30.7 2990	114 36.2 3803	118 23.7 3284
9	56 21.8 3368	12 46.5 3721	58 0.2 2998	113 21.3 3792	116 59.2 3284
12	57 44.7 3377	14 2.9 3652	56 30.0 3007	112 6.1 3783	115 34.7 3285
15	59 7.4 3385	15 20.5 3602	54 59.9 3015	110 50.8 3776	114 10.3 3286
18	60 29.9 3391	16 39.0 3564	53 30.0 3022	109 35.4 3767	112 45.8 3286
21	61 52.4 3399	17 58.3 3535	52 0.3 3030	108 19.8 3762	111 21.4 3288

JUNE 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
22 UT	+Sun	+Venus	+Jupiter	–Spica	–Kaus Aust.
0	63 14.7 3404	19 18.0 3513	14 1.2 3303	50 30.7 3037	120 29.8 3256
3	64 36.9 3411	20 38.2 3496	15 25.3 3273	49 1.3 3044	119 4.8 3255
6	65 58.9 3417	21 58.6 3482	16 50.1 3250	47 32.0 3050	117 39.7 3255
9	67 20.9 3422	23 19.3 3472	18 15.2 3233	46 2.8 3056	116 14.7 3254
12	68 42.7 3426	24 40.3 3463	19 40.7 3221	44 33.7 3061	114 49.6 3253
15	70 4.5 3431	26 1.3 3456	21 6.4 3211	43 4.8 3067	113 24.5 3254
18	71 26.2 3435	27 22.6 3450	22 32.4 3204	41 36.0 3072	111 59.4 3253
21	72 47.8 3438	28 43.9 3444	23 58.4 3197	40 7.3 3076	110 34.3 3252
23 UT	+Sun	+Venus	+Jupiter	–Spica	–Saturn
0	74 9.3 3442	30 5.3 3439	25 24.6 3193	38 38.6 3081	74 12.2 3040
3	75 30.8 3444	31 26.9 3435	26 50.9 3189	37 10.1 3085	72 42.8 3042
6	76 52.2 3446	32 48.5 3431	28 17.3 3185	35 41.6 3089	71 13.5 3045
9	78 13.6 3447	34 10.1 3427	29 43.7 3181	34 13.3 3093	69 44.2 3046
12	79 35.0 3449	35 31.9 3423	31 10.2 3179	32 45.0 3096	68 15.0 3047
15	80 56.4 3449	36 53.7 3420	32 36.8 3175	31 16.8 3100	66 45.7 3048
18	82 17.7 3449	38 15.6 3415	34 3.4 3173	29 48.6 3103	65 16.5 3048
21	83 39.1 3449	39 37.6 3411	35 30.1 3169	28 20.5 3106	63 47.3 3048
24 UT	+Sun	+Venus	+Jupiter	+Regulus	–Saturn
0	85 0.4 3448	40 59.7 3407	36 56.9 3166	27 11.6 3100	62 18.1 3047
3	86 21.8 3446	42 21.8 3402	38 23.7 3163	28 39.7 3096	60 48.9 3047
6	87 43.2 3444	43 44.0 3397	39 50.6 3158	30 7.9 3091	59 19.6 3044
9	89 4.6 3442	45 6.3 3392	41 17.5 3155	31 36.3 3087	57 50.3 3043
12	90 26.1 3439	46 28.8 3386	42 44.6 3150	33 4.7 3082	56 21.0 3040
15	91 47.6 3435	47 51.3 3380	44 11.7 3146	34 33.2 3076	54 51.6 3037
18	93 9.2 3431	49 13.9 3374	45 38.9 3141	36 1.9 3071	53 22.2 3034
21	94 30.9 3427	50 36.7 3367	47 6.3 3135	37 30.6 3066	51 52.7 3029
25 UT	+Sun	+Venus	+Regulus	–Saturn	–Antares
0	95 52.6 3422	51 59.6 3360	38 59.4 3060	50 23.1 3025	61 4.7 3114
3	97 14.5 3417	53 22.6 3353	40 28.4 3054	48 53.4 3021	59 36.9 3112
6	98 36.4 3410	54 45.8 3345	41 57.5 3047	47 23.6 3015	58 9.0 3108
9	99 58.5 3404	56 9.1 3336	43 26.7 3040	45 53.7 3009	56 41.0 3105
12	101 20.7 3397	57 32.6 3328	44 56.1 3033	44 23.7 3003	55 12.9 3102
15	102 43.0 3390	58 56.2 3319	46 25.6 3025	42 53.6 2997	53 44.8 3098
18	104 5.5 3382	60 20.0 3309	47 55.3 3017	41 23.3 2990	52 16.6 3094
21	105 28.1 3374	61 44.1 3299	49 25.2 3009	39 52.9 2982	50 48.4 3090
26 UT	+Sun	+Venus	+Regulus	–Saturn	–Antares
0	106 50.9 3365	63 8.3 3289	50 55.2 3000	38 22.3 2975	49 20.0 3086
3	108 13.8 3356	64 32.7 3278	52 25.4 2991	36 51.6 2967	47 51.6 3083
6	109 36.9 3346	65 57.3 3267	53 55.8 2981	35 20.7 2958	46 23.1 3079
9	111 0.2 3337	67 22.1 3256	55 26.4 2971	33 49.6 2950	44 54.5 3076
12	112 23.7 3326	68 47.1 3244	56 57.2 2961	32 18.4 2940	43 25.9 3072
15	113 47.3 3316	70 12.4 3232	58 28.2 2951	30 46.9 2931	41 57.1 3069
18	115 11.2 3304	71 37.9 3219	59 59.5 2939	29 15.3 2921	40 28.4 3067
21	116 35.3 3293	73 3.7 3206	61 30.9 2928	27 43.4 2912	38 59.5 3066

JUNE 2015

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
27 UT	+Venus	+Spica	–Antares	–Sabik	–Nunki
0	74 29.7 3192	10 1.6 3175	37 30.7 3065	45 11.7 2915	69 43.9 2962
3	75 56.0 3179	11 28.2 3101	36 1.8 3065	43 39.7 2903	68 12.9 2951
6	77 22.6 3165	12 56.4 3046	34 33.0 3067	42 7.5 2892	66 41.7 2941
9	78 49.4 3151	14 25.6 3003	33 4.1 3070	40 35.0 2880	65 10.2 2930
12	80 16.5 3136	15 55.8 2967	31 35.4 3076	39 2.3 2868	63 38.5 2919
15	81 44.0 3122	17 26.7 2937	30 6.8 3085	37 29.3 2857	62 6.6 2908
18	83 11.7 3107	18 58.2 2911	28 38.3 3097	35 56.1 2845	60 34.5 2897
21	84 39.7 3092	20 30.2 2887	27 10.1 3113	34 22.6 2832	59 2.1 2885
28 UT	+Venus	+Denebola	+Spica	–Sabik	–Nunki
0	86 8.0 3076	53 49.1 2990	22 2.8 2865	32 48.9 2819	57 29.5 2874
3	87 36.6 3061	55 19.5 2969	23 35.9 2844	31 14.8 2807	55 56.6 2863
6	89 5.6 3045	56 50.3 2949	25 9.4 2824	29 40.5 2795	54 23.6 2852
9	90 34.9 3029	58 21.6 2929	26 43.3 2806	28 5.9 2782	52 50.2 2841
12	92 4.5 3013	59 53.3 2910	28 17.6 2787	26 31.1 2770	51 16.7 2830
15	93 34.4 2997	61 25.4 2890	29 52.4 2770	24 56.0 2758	49 42.9 2820
18	95 4.7 2980	62 57.9 2871	31 27.5 2752	23 20.6 2747	48 8.8 2809
21	96 35.3 2964	64 30.8 2853	33 3.0 2735	21 45.0 2736	46 34.6 2799
29 UT	+Venus	+Gienah	+Spica	+Zubenelgen	–Nunki
0	98 6.2 2947	50 21.2 2943	34 38.9 2718	13 23.6 2786	45 0.1 2790
3	99 37.5 2931	51 52.6 2917	36 15.1 2701	14 58.4 2753	43 25.4 2781
6	101 9.2 2914	53 24.5 2893	37 51.8 2685	16 33.9 2725	41 50.6 2773
9	102 41.2 2897	54 57.0 2869	39 28.8 2668	18 10.0 2700	40 15.5 2766
12	104 13.5 2882	56 29.9 2846	41 6.1 2652	19 46.6 2677	38 40.3 2760
15	105 46.2 2865	58 3.4 2823	42 43.8 2636	21 23.8 2656	37 5.0 2755
18	107 19.3 2848	59 37.3 2802	44 21.9 2620	23 1.4 2637	35 29.6 2752
21	108 52.7 2832	61 11.7 2781	46 0.4 2605	24 39.5 2618	33 54.1 2750
30 UT	+Venus	+Zubenelgen	–Nunki	–Enif	–Fomalhaut
0	110 26.5 2816	26 18.0 2600	32 18.5 2751	79 46.7 2834	84 57.8 2959
3	112 0.6 2799	27 56.9 2582	30 43.0 2754	78 13.0 2822	83 26.8 2947
6	113 35.1 2783	29 36.2 2565	29 7.5 2762	76 39.1 2812	81 55.5 2936
9	115 9.9 2768	31 15.9 2549	27 32.3 2773	75 4.9 2802	80 23.9 2925
12	116 45.0 2752	32 56.0 2533	25 57.2 2790	73 30.4 2792	78 52.1 2915
15	118 20.5 2737	34 36.4 2518	24 22.5 2814	71 55.8 2784	77 20.2 2907
18	119 56.4 2721	36 17.2 2502	22 48.4 2847	70 21.0 2775	75 48.0 2898
21	121 32.6 2706	37 58.4 2487	21 15.0 2893	68 46.0 2768	74 15.7 2892