

OCTOBER 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Antares	+Kaus Aust.	+Nunki	+Jupiter	–Hamal
0	80 39.1 2946	56 28.9 3023	48 8.2 2950	13 25.4 3018	67 23.6 2965
3	82 10.5 2936	57 58.7 3012	49 39.5 2941	14 55.3 2994	65 52.6 2956
6	83 42.0 2928	59 28.6 3000	51 10.9 2932	16 25.6 2973	64 21.5 2948
9	85 13.7 2919	60 58.8 2989	52 42.5 2923	17 56.4 2955	62 50.2 2939
12	86 45.6 2909	62 29.2 2977	54 14.3 2912	19 27.5 2938	61 18.7 2930
15	88 17.7 2899	63 59.9 2966	55 46.4 2903	20 59.0 2923	59 47.1 2921
18	89 50.0 2890	65 30.8 2955	57 18.6 2894	22 30.8 2909	58 15.2 2913
21	91 22.6 2880	67 2.0 2943	58 51.1 2883	24 2.9 2895	56 43.2 2903
2 UT	+Kaus Aust.	+Nunki	+Jupiter	–Hamal	–Aldebaran
0	68 33.4 2932	60 23.7 2873	25 35.3 2882	55 11.0 2894	87 44.3 2925
3	70 5.0 2921	61 56.6 2863	27 8.0 2870	53 38.5 2885	86 12.5 2915
6	71 36.9 2909	63 29.7 2853	28 41.0 2858	52 5.9 2876	84 40.5 2906
9	73 9.0 2898	65 3.0 2842	30 14.2 2845	50 33.1 2867	83 8.3 2896
12	74 41.3 2886	66 36.6 2831	31 47.6 2833	49 0.1 2858	81 35.9 2885
15	76 13.9 2875	68 10.3 2821	33 21.4 2822	47 26.9 2849	80 3.3 2875
18	77 46.7 2865	69 44.4 2811	34 55.4 2811	45 53.5 2841	78 30.5 2866
21	79 19.8 2853	71 18.6 2799	36 29.6 2799	44 19.9 2832	76 57.4 2856
3 UT	+Nunki	+Jupiter	–Hamal	–Aldebaran	–Elnath
0	72 53.0 2789	38 4.1 2787	42 46.1 2823	75 24.2 2846	87 16.5 2790
3	74 27.7 2778	39 38.8 2776	41 12.2 2815	73 50.7 2836	85 41.8 2779
6	76 2.7 2768	41 13.8 2765	39 38.0 2807	72 17.1 2826	84 6.9 2769
9	77 37.8 2757	42 49.0 2754	38 3.7 2800	70 43.2 2817	82 31.8 2758
12	79 13.2 2746	44 24.5 2742	36 29.3 2792	69 9.1 2808	80 56.4 2747
15	80 48.9 2736	46 0.2 2732	34 54.7 2786	67 34.8 2799	79 20.8 2737
18	82 24.7 2725	47 36.1 2721	33 19.9 2781	66 0.3 2790	77 45.0 2727
21	84 0.8 2715	49 12.3 2710	31 45.0 2775	64 25.7 2781	76 8.9 2716
4 UT	+Jupiter	–Aldebaran	–Capella	–Elnath	–Mars
0	50 48.7 2699	62 50.8 2773	73 34.9 2996	74 32.6 2706	105 24.3 2887
3	52 25.4 2689	61 15.7 2765	72 4.6 2991	72 56.1 2696	103 51.8 2877
6	54 2.3 2679	59 40.5 2757	70 34.3 2987	71 19.3 2686	102 19.0 2866
9	55 39.4 2668	58 5.1 2749	69 3.8 2983	69 42.3 2675	100 45.9 2855
12	57 16.8 2658	56 29.6 2742	67 33.2 2981	68 5.1 2665	99 12.7 2844
15	58 54.4 2648	54 53.8 2735	66 2.6 2979	66 27.7 2656	97 39.2 2833
18	60 32.2 2638	53 18.0 2729	64 32.0 2978	64 50.1 2646	96 5.4 2824
21	62 10.3 2628	51 42.0 2723	63 1.4 2979	63 12.2 2636	94 31.5 2813
5 UT	+Jupiter	–Aldebaran	–Elnath	–Pollux	–Mars
0	63 48.5 2618	50 5.8 2718	61 34.1 2627	91 52.6 2647	92 57.3 2803
3	65 27.0 2609	48 29.6 2714	59 55.8 2617	90 14.8 2638	91 22.9 2792
6	67 5.7 2599	46 53.2 2710	58 17.3 2608	88 36.8 2628	89 48.3 2783
9	68 44.7 2590	45 16.8 2707	56 38.5 2599	86 58.5 2619	88 13.5 2773
12	70 23.8 2581	43 40.3 2704	54 59.6 2590	85 20.0 2610	86 38.4 2763
15	72 3.1 2572	42 3.7 2704	53 20.5 2581	83 41.3 2602	85 3.2 2754
18	73 42.7 2563	40 27.2 2704	51 41.1 2572	82 2.5 2593	83 27.7 2744
21	75 22.4 2554	38 50.6 2706	50 1.6 2564	80 23.4 2584	81 52.0 2735

OCTOBER 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
6 UT	+Jupiter	–Aldebaran	–Elnath	–Pollux	–Mars
0	77 2.4 2545	37 14.1 2708	48 21.9 2555	78 44.1 2576	80 16.1 2725
3	78 42.5 2538	35 37.6 2714	46 41.9 2548	77 4.7 2568	78 40.1 2717
6	80 22.9 2529	34 1.3 2721	45 1.8 2540	75 25.0 2560	77 3.8 2708
9	82 3.4 2521	32 25.1 2731	43 21.6 2533	73 45.2 2552	75 27.3 2700
12	83 44.1 2513	30 49.1 2745	41 41.1 2525	72 5.2 2545	73 50.6 2691
15	85 25.0 2505	29 13.4 2762	40 0.5 2518	70 25.0 2537	72 13.8 2682
18	87 6.1 2498	27 38.2 2785	38 19.7 2511	68 44.7 2531	70 36.7 2675
21	88 47.4 2490	26 3.4 2814	36 38.7 2505	67 4.2 2524	68 59.5 2667
7 UT	+Jupiter	–Elnath	–Pollux	–Mars	–Venus
0	90 28.8 2483	34 57.6 2498	65 23.6 2517	67 22.1 2658	122 16.5 2925
3	92 10.4 2476	33 16.4 2492	63 42.7 2512	65 44.5 2651	120 44.7 2917
6	93 52.2 2469	31 35.0 2487	62 1.8 2505	64 6.8 2644	119 12.8 2908
9	95 34.1 2462	29 53.5 2481	60 20.7 2499	62 28.9 2636	117 40.6 2900
12	97 16.2 2456	28 11.8 2477	58 39.5 2494	60 50.8 2629	116 8.3 2893
15	98 58.5 2449	26 30.1 2473	56 58.1 2488	59 12.5 2622	114 35.9 2884
18	100 40.9 2443	24 48.2 2470	55 16.6 2484	57 34.1 2615	113 3.2 2877
21	102 23.4 2436	23 6.3 2467	53 35.0 2479	55 55.6 2608	111 30.4 2870
8 UT	+Jupiter	+Hamal	–Pollux	–Mars	–Venus
0	104 6.1 2431	23 59.5 2527	51 53.3 2475	54 16.8 2602	109 57.5 2862
3	105 49.0 2424	25 40.1 2509	50 11.5 2471	52 38.0 2595	108 24.4 2855
6	107 32.0 2419	27 21.1 2494	48 29.7 2467	50 59.0 2589	106 51.1 2849
9	109 15.1 2413	29 2.4 2480	46 47.7 2464	49 19.8 2582	105 17.7 2842
12	110 58.3 2407	30 44.1 2467	45 5.6 2462	47 40.5 2576	103 44.2 2835
15	112 41.7 2402	32 26.1 2457	43 23.5 2460	46 1.0 2571	102 10.5 2830
18	114 25.2 2397	34 8.3 2446	41 41.4 2458	44 21.5 2564	100 36.7 2823
21	116 8.9 2391	35 50.8 2437	39 59.2 2458	42 41.7 2559	99 2.7 2817
9 UT	+Hamal	–Pollux	–Mars	–Venus	–Sun
0	37 33.5 2428	38 17.0 2458	41 1.9 2553	97 28.7 2812	120 43.2 2728
3	39 16.4 2419	36 34.8 2459	39 21.9 2548	95 54.4 2805	119 7.1 2721
6	40 59.5 2411	34 52.6 2461	37 41.8 2543	94 20.1 2800	117 30.9 2715
9	42 42.8 2404	33 10.5 2464	36 1.6 2537	92 45.7 2795	115 54.6 2709
12	44 26.3 2397	31 28.5 2470	34 21.3 2532	91 11.1 2789	114 18.2 2704
15	46 9.9 2390	29 46.5 2477	32 40.8 2527	89 36.4 2784	112 41.6 2698
18	47 53.8 2384	28 4.8 2486	31 0.2 2522	88 1.6 2780	111 4.9 2692
21	49 37.7 2377	26 23.3 2499	29 19.5 2518	86 26.7 2775	109 28.0 2687
10 UT	+Hamal	+Elnath	–Mars	–Venus	–Sun
0	51 21.8 2371	6 55.9 2602	27 38.7 2513	84 51.7 2770	107 51.1 2681
3	53 6.1 2366	8 34.8 2511	25 57.8 2509	83 16.6 2765	106 14.0 2677
6	54 50.5 2360	10 15.7 2457	24 16.8 2505	81 41.4 2761	104 36.9 2672
9	56 35.0 2355	11 57.9 2423	22 35.8 2502	80 6.0 2757	102 59.6 2667
12	58 19.6 2350	13 41.0 2398	20 54.6 2498	78 30.6 2752	101 22.2 2662
15	60 4.4 2345	15 24.6 2380	19 13.3 2495	76 55.1 2748	99 44.7 2658
18	61 49.3 2340	17 8.6 2365	17 32.0 2492	75 19.6 2745	98 7.1 2653
21	63 34.3 2336	18 53.0 2354	15 50.6 2490	73 43.9 2741	96 29.4 2649

OCTOBER 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
11 UT	+Hamal	+Aldebaran	+Elnath	–Venus	–Sun
0	65 19.4 2331	33 38.3 2488	20 37.7 2344	72 8.1 2737	94 51.6 2645
3	67 4.6 2327	35 19.8 2470	22 22.6 2336	70 32.3 2733	93 13.7 2641
6	68 50.0 2323	37 1.7 2454	24 7.7 2329	68 56.4 2730	91 35.7 2637
9	70 35.4 2319	38 44.0 2439	25 53.0 2322	67 20.4 2727	89 57.7 2633
12	72 20.9 2315	40 26.7 2426	27 38.4 2316	65 44.4 2725	88 19.5 2630
15	74 6.5 2312	42 9.6 2414	29 24.0 2311	64 8.2 2722	86 41.3 2626
18	75 52.2 2308	43 52.9 2403	31 9.7 2306	62 32.1 2719	85 3.0 2623
21	77 38.0 2305	45 36.3 2394	32 55.6 2301	60 55.9 2717	83 24.6 2620
12 UT	+Aldebaran	+Elnath	–Regulus	–Venus	–Sun
0	47 20.1 2385	34 41.5 2297	32 56.2 2310	59 19.6 2715	81 46.1 2617
3	49 4.0 2377	36 27.6 2294	31 10.4 2309	57 43.3 2714	80 7.6 2614
6	50 48.1 2370	38 13.7 2290	29 24.7 2310	56 6.9 2712	78 29.0 2612
9	52 32.4 2363	39 59.9 2287	27 38.9 2311	54 30.5 2711	76 50.4 2609
12	54 16.9 2357	41 46.2 2284	25 53.2 2314	52 54.1 2710	75 11.7 2607
15	56 1.5 2351	43 32.6 2281	24 7.6 2317	51 17.7 2710	73 32.9 2604
18	57 46.2 2346	45 19.0 2278	22 22.0 2323	49 41.2 2709	71 54.1 2603
21	59 31.1 2341	47 5.5 2276	20 36.6 2330	48 4.8 2710	70 15.3 2602
13 UT	+Aldebaran	+Elnath	+Mars	–Venus	–Sun
0	61 16.0 2337	48 52.1 2274	13 15.0 2439	46 28.4 2711	68 36.4 2600
3	63 1.1 2334	50 38.7 2272	14 57.6 2435	44 51.9 2712	66 57.5 2599
6	64 46.3 2330	52 25.4 2271	16 40.4 2431	43 15.6 2714	65 18.6 2598
9	66 31.5 2327	54 12.1 2269	18 23.2 2428	41 39.2 2716	63 39.6 2598
12	68 16.8 2325	55 58.8 2268	20 6.1 2426	40 2.9 2720	62 0.7 2598
15	70 2.2 2323	57 45.6 2267	21 49.0 2425	38 26.7 2724	60 21.7 2598
18	71 47.6 2322	59 32.4 2267	23 32.0 2424	36 50.6 2729	58 42.8 2599
21	73 33.1 2320	61 19.2 2266	25 15.0 2422	35 14.6 2734	57 3.8 2598
14 UT	+Elnath	+Pollux	+Mars	–Venus	–Sun
0	63 6.0 2266	33 16.1 2348	26 58.0 2422	33 38.7 2742	55 24.9 2600
3	64 52.8 2266	35 0.9 2341	28 41.1 2422	32 3.0 2750	53 46.0 2601
6	66 39.6 2267	36 45.9 2335	30 24.1 2422	30 27.4 2761	52 7.1 2604
9	68 26.4 2268	38 31.0 2331	32 7.1 2423	28 52.1 2773	50 28.3 2606
12	70 13.1 2269	40 16.3 2328	33 50.2 2424	27 17.1 2788	48 49.5 2609
15	71 59.9 2270	42 1.6 2324	35 33.2 2425	25 42.3 2805	47 10.8 2612
18	73 46.6 2273	43 47.0 2323	37 16.1 2427	24 8.0 2827	45 32.2 2616
21	75 33.2 2274	45 32.4 2322	38 59.1 2428	22 34.1 2853	43 53.6 2620
15 UT	+Pollux	+Procyon	+Mars	–Venus	–Sun
0	47 17.8 2321	44 45.3 2622	40 42.0 2431	21 0.8 2885	42 15.2 2625
3	49 3.3 2321	46 23.7 2604	42 24.8 2433	19 28.1 2926	40 36.8 2631
6	50 48.8 2322	48 2.5 2590	44 7.6 2436	17 56.4 2977	38 58.6 2638
9	52 34.2 2324	49 41.6 2577	45 50.3 2440	16 25.7 3045	37 20.6 2644
12	54 19.6 2325	51 21.1 2567	47 32.9 2443	14 56.4 3135	35 42.7 2652
15	56 5.0 2328	53 0.7 2558	49 15.4 2448	13 29.0 3260	34 5.0 2661
18	57 50.3 2331	54 40.6 2551	50 57.9 2452	12 4.0 3439	32 27.4 2672
21	59 35.5 2334	56 20.7 2545	52 40.2 2456	10 42.5 3705	30 50.2 2682

OCTOBER 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
16 UT	+Pollux	+Procyon	+Mars	+Regulus	–Sun
0	61 20.7 2338	58 0.8 2541	54 22.4 2462	24 18.1 2343	29 13.1 2696
3	63 5.7 2343	59 41.1 2538	56 4.6 2467	26 3.0 2343	27 36.4 2710
6	64 50.6 2348	61 21.4 2536	57 46.5 2473	27 48.0 2346	25 59.9 2727
9	66 35.5 2353	63 1.8 2536	59 28.4 2480	29 32.8 2349	24 23.9 2746
12	68 20.1 2359	64 42.2 2536	61 10.0 2486	31 17.6 2352	22 48.3 2768
15	70 4.7 2365	66 22.6 2537	62 51.6 2493	33 2.3 2357	21 13.1 2795
18	71 49.1 2372	68 2.9 2540	64 32.9 2501	34 46.9 2363	19 38.6 2828
21	73 33.3 2379	69 43.2 2543	66 14.1 2508	36 31.4 2369	18 4.7 2867
19 UT	+Sun	–Shaula	–Kaus Aust.	–Nunki	–Jupiter
0	10 51.6 3323	49 20.6 2679	59 26.1 2607	66 54.4 2532	101 39.3 2540
3	12 15.3 3236	47 43.5 2700	57 47.3 2623	65 14.0 2545	99 59.0 2554
6	13 40.7 3178	46 6.8 2722	56 8.9 2639	63 33.8 2558	98 19.0 2566
9	15 7.3 3141	44 30.7 2746	54 30.9 2656	61 53.9 2572	96 39.4 2580
12	16 34.7 3117	42 55.0 2770	52 53.3 2673	60 14.4 2585	94 60.0 2593
15	18 2.5 3101	41 19.9 2797	51 16.0 2691	58 35.1 2599	93 20.9 2607
18	19 30.6 3093	39 45.4 2825	49 39.2 2710	56 56.2 2613	91 42.2 2620
21	20 58.9 3089	38 11.5 2855	48 2.7 2729	55 17.6 2626	90 3.7 2634
20 UT	+Sun	–Shaula	–Kaus Aust.	–Nunki	–Jupiter
0	22 27.3 3090	36 38.2 2888	46 26.7 2749	53 39.3 2641	88 25.6 2648
3	23 55.6 3092	35 5.7 2923	44 51.2 2769	52 1.3 2654	86 47.8 2662
6	25 23.9 3096	33 33.8 2961	43 16.0 2790	50 23.6 2668	85 10.3 2676
9	26 52.2 3103	32 2.8 3003	41 41.3 2813	48 46.3 2683	83 33.1 2690
12	28 20.2 3111	30 32.7 3051	40 7.2 2836	47 9.2 2697	81 56.2 2704
15	29 48.2 3120	29 3.5 3103	38 33.5 2860	45 32.5 2711	80 19.7 2718
18	31 15.9 3130	27 35.4 3162	37 0.3 2887	43 56.1 2726	78 43.4 2732
21	32 43.5 3140	26 8.5 3230	35 27.7 2914	42 20.0 2740	77 7.5 2746
21 UT	+Sun	–Kaus Aust.	–Nunki	–Jupiter	–Fomalhaut
0	34 10.8 3151	33 55.7 2944	40 44.2 2754	75 31.8 2761	90 41.3 3146
3	35 37.9 3162	32 24.4 2975	39 8.8 2768	73 56.5 2774	89 14.1 3159
6	37 4.8 3174	30 53.6 3010	37 33.6 2783	72 21.5 2788	87 47.2 3174
9	38 31.5 3186	29 23.7 3048	35 58.8 2797	70 46.8 2802	86 20.5 3189
12	39 57.9 3197	27 54.4 3090	34 24.3 2811	69 12.4 2815	84 54.1 3204
15	41 24.2 3210	26 26.1 3138	32 50.0 2825	67 38.2 2829	83 28.1 3220
18	42 50.1 3222	24 58.7 3191	31 16.1 2839	66 4.4 2842	82 2.3 3236
21	44 15.8 3234	23 32.4 3253	29 42.5 2854	64 30.9 2855	80 36.9 3253
22 UT	+Sun	–Nunki	–Jupiter	–Fomalhaut	–Enif
0	45 41.3 3246	28 9.2 2868	62 57.6 2868	79 11.8 3270	79 54.1 3104
3	47 6.5 3258	26 36.2 2882	61 24.6 2881	77 47.0 3287	78 26.0 3119
6	48 31.5 3270	25 3.5 2897	59 51.9 2894	76 22.6 3305	76 58.2 3134
9	49 56.3 3282	23 31.2 2911	58 19.5 2906	74 58.5 3323	75 30.8 3150
12	51 20.8 3293	21 59.1 2926	56 47.3 2918	73 34.8 3342	74 3.6 3165
15	52 45.2 3305	20 27.4 2942	55 15.4 2930	72 11.4 3361	72 36.8 3181
18	54 9.3 3316	18 56.0 2959	53 43.7 2942	70 48.4 3381	71 10.3 3198
21	55 33.1 3326	17 24.9 2976	52 12.3 2952	69 25.8 3401	69 44.1 3213

OCTOBER 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
23 UT	+Sun	–Jupiter	–Fomalhaut	–Enif	–Markab
0	56 56.8 3337	50 41.1 2964	68 3.5 3422	68 18.2 3230	87 58.0 3095
3	58 20.3 3347	49 10.1 2974	66 41.6 3443	66 52.7 3247	86 29.8 3105
6	59 43.5 3358	47 39.4 2985	65 20.2 3464	65 27.4 3264	85 1.7 3116
9	61 6.6 3367	46 8.9 2995	63 59.1 3487	64 2.5 3281	83 33.9 3126
12	62 29.5 3377	44 38.6 3005	62 38.5 3511	62 38.0 3298	82 6.3 3136
15	63 52.2 3385	43 8.5 3014	61 18.3 3534	61 13.8 3316	80 38.9 3146
18	65 14.7 3394	41 38.6 3024	59 58.6 3560	59 49.9 3335	79 11.6 3156
21	66 37.1 3402	40 8.9 3032	58 39.3 3586	58 26.4 3354	77 44.6 3165
24 UT	+Sun	–Jupiter	–Enif	–Fomalhaut	–Markab
0	67 59.3 3410	38 39.3 3041	57 3.2 3373	57 20.5 3614	76 17.8 3175
3	69 21.4 3417	37 10.0 3049	55 40.4 3393	56 2.1 3642	74 51.1 3184
6	70 43.4 3424	35 40.8 3057	54 18.0 3414	54 44.3 3672	73 24.7 3193
9	72 5.2 3431	34 11.8 3065	52 56.0 3436	53 27.1 3704	71 58.4 3203
12	73 26.9 3437	32 42.9 3073	51 34.4 3458	52 10.4 3738	70 32.3 3211
15	74 48.4 3442	31 14.2 3080	50 13.3 3482	50 54.2 3773	69 6.4 3220
18	76 9.9 3447	29 45.6 3087	48 52.6 3507	49 38.8 3811	67 40.7 3228
21	77 31.3 3452	28 17.2 3094	47 32.3 3534	48 23.9 3852	66 15.1 3237
25 UT	+Sun	+Sabik	+Shaula	+Nunki	–Jupiter
0	78 52.6 3456	33 16.5 3286	28 54.1 3422	8 37.4 3200	26 48.9 3101
3	80 13.8 3459	34 41.0 3273	30 15.9 3394	10 3.5 3167	25 20.8 3107
6	81 35.0 3462	36 5.7 3261	31 38.3 3370	11 30.3 3145	23 52.8 3115
9	82 56.1 3465	37 30.6 3251	33 1.1 3349	12 57.6 3131	22 25.0 3123
12	84 17.1 3467	38 55.8 3241	34 24.4 3330	14 25.1 3121	20 57.3 3131
15	85 38.1 3468	40 21.1 3232	35 48.0 3313	15 52.8 3113	19 29.8 3140
18	86 59.1 3469	41 46.6 3224	37 11.9 3298	17 20.7 3107	18 2.4 3151
21	88 20.1 3470	43 12.3 3216	38 36.1 3284	18 48.7 3102	16 35.3 3165
26 UT	+Sun	+Shaula	+Kaus Aust.	+Nunki	–Hamal
0	89 41.1 3469	40 0.6 3271	29 26.7 3307	20 16.8 3097	95 13.1 3086
3	91 2.0 3469	41 25.4 3259	30 50.7 3287	21 45.0 3094	93 44.7 3085
6	92 23.0 3467	42 50.4 3247	32 15.2 3268	23 13.3 3090	92 16.2 3084
9	93 44.0 3466	44 15.6 3237	33 40.0 3252	24 41.7 3086	90 47.8 3083
12	95 5.0 3464	45 41.0 3226	35 5.1 3236	26 10.1 3082	89 19.3 3080
15	96 26.1 3461	47 6.6 3216	36 30.5 3222	27 38.6 3077	87 50.7 3078
18	97 47.2 3458	48 32.5 3206	37 56.2 3209	29 7.2 3073	86 22.1 3075
21	99 8.4 3454	49 58.5 3196	39 22.2 3196	30 35.9 3068	84 53.4 3071
27 UT	+Sun	+Shaula	+Kaus Aust.	+Nunki	–Hamal
0	100 29.6 3450	51 24.7 3186	40 48.4 3184	32 4.8 3063	83 24.7 3068
3	101 51.0 3445	52 51.1 3176	42 14.9 3172	33 33.7 3057	81 55.9 3063
6	103 12.4 3440	54 17.7 3167	43 41.6 3161	35 2.7 3052	80 27.0 3059
9	104 33.9 3434	55 44.5 3157	45 8.5 3149	36 31.8 3045	78 58.0 3053
12	105 55.5 3428	57 11.5 3147	46 35.7 3138	38 1.1 3039	77 28.9 3048
15	107 17.3 3421	58 38.7 3137	48 3.0 3127	39 30.5 3032	75 59.7 3042
18	108 39.1 3414	60 6.1 3127	49 30.6 3115	40 60.0 3025	74 30.3 3035
21	110 1.1 3407	61 33.7 3117	50 58.5 3104	42 29.7 3018	73 0.8 3028

OCTOBER 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Sun	+Kaus Aust.	+Nunki	+Jupiter	–Hamal
0	111 23.3 3398	52 26.6 3092	43 59.5 3009	9 19.7 3221	71 31.2 3020
3	112 45.6 3391	53 54.9 3081	45 29.5 3001	10 45.4 3165	70 1.5 3013
6	114 8.0 3382	55 23.4 3070	46 59.7 2992	12 12.3 3124	68 31.5 3005
9	115 30.6 3372	56 52.2 3058	48 30.1 2983	13 39.9 3091	67 1.4 2997
12	116 53.4 3363	58 21.2 3046	50 0.6 2973	15 8.3 3065	65 31.2 2988
15	118 16.4 3353	59 50.4 3034	51 31.4 2964	16 37.1 3043	64 0.7 2979
18	119 39.6 3342	61 19.9 3022	53 2.4 2954	18 6.4 3023	62 30.1 2970
21	121 2.9 3332	62 49.7 3010	54 33.5 2943	19 36.2 3005	60 59.2 2960
29 UT	+Kaus Aust.	+Nunki	+Jupiter	–Hamal	–Aldebaran
0	64 19.7 2997	56 4.9 2932	21 6.3 2988	59 28.2 2950	92 2.5 2981
3	65 49.9 2985	57 36.6 2921	22 36.7 2973	57 56.9 2940	90 31.9 2970
6	67 20.4 2972	59 8.4 2910	24 7.5 2957	56 25.5 2930	89 1.1 2959
9	68 51.2 2959	60 40.5 2898	25 38.6 2942	54 53.8 2919	87 30.0 2947
12	70 22.3 2946	62 12.8 2886	27 10.0 2927	53 21.9 2909	85 58.7 2936
15	71 53.6 2933	63 45.4 2874	28 41.7 2913	51 49.8 2897	84 27.2 2923
18	73 25.2 2920	65 18.3 2862	30 13.8 2899	50 17.4 2887	82 55.4 2912
21	74 57.1 2906	66 51.4 2849	31 46.1 2884	48 44.8 2875	81 23.3 2900
30 UT	+Nunki	+Jupiter	–Hamal	–Aldebaran	–Elnath
0	68 24.8 2835	33 18.8 2870	47 12.0 2864	79 51.0 2887	91 44.9 2836
3	69 58.5 2823	34 51.7 2855	45 38.9 2853	78 18.5 2875	90 11.2 2823
6	71 32.5 2810	36 25.0 2841	44 5.6 2842	76 45.6 2863	88 37.3 2811
9	73 6.7 2796	37 58.5 2827	42 32.1 2831	75 12.5 2850	87 3.1 2797
12	74 41.3 2783	39 32.4 2812	40 58.3 2820	73 39.2 2838	85 28.6 2784
15	76 16.1 2769	41 6.6 2798	39 24.2 2809	72 5.5 2825	83 53.7 2770
18	77 51.2 2755	42 41.1 2783	37 50.0 2798	70 31.6 2812	82 18.6 2756
21	79 26.7 2741	44 15.9 2769	36 15.5 2789	68 57.4 2800	80 43.2 2743
31 UT	+Jupiter	–Hamal	–Aldebaran	–Capella	–Elnath
0	45 51.0 2755	34 40.8 2779	67 23.0 2788	77 50.8 3012	79 7.5 2729
3	47 26.5 2741	33 5.9 2770	65 48.2 2775	76 20.9 3002	77 31.5 2715
6	49 2.2 2726	31 30.8 2762	64 13.2 2763	74 50.7 2992	75 55.2 2701
9	50 38.3 2712	29 55.5 2755	62 38.0 2751	73 20.3 2983	74 18.5 2687
12	52 14.7 2697	28 20.0 2749	61 2.4 2739	71 49.8 2975	72 41.6 2673
15	53 51.4 2683	26 44.5 2744	59 26.7 2727	70 19.1 2967	71 4.4 2659
18	55 28.4 2669	25 8.8 2742	57 50.6 2716	68 48.2 2961	69 26.8 2645
21	57 5.8 2655	23 33.1 2743	56 14.3 2705	67 17.2 2955	67 48.9 2632