

## DECEMBER 2012

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>1 UT</b>	<b>+Hamal</b>	<b>+Menkar</b>	<b>+Aldebaran</b>	<b>+Jupiter</b>	<b>–Regulus</b>
0	58 26.2 3104	50 45.5 3247	25 1.8 3104	23 31.9 2994	55 7.3 3075
3	59 54.3 3099	52 10.7 3236	26 29.9 3095	25 2.2 2991	53 38.6 3073
6	61 22.4 3094	53 36.1 3225	27 58.1 3086	26 32.6 2988	52 9.9 3071
9	62 50.7 3089	55 1.8 3215	29 26.6 3078	28 3.1 2984	50 41.2 3069
12	64 19.1 3083	56 27.6 3205	30 55.2 3070	29 33.6 2980	49 12.4 3067
15	65 47.6 3078	57 53.7 3195	32 23.9 3063	31 4.2 2976	47 43.6 3065
18	67 16.1 3073	59 19.9 3185	33 52.8 3056	32 34.9 2972	46 14.7 3063
21	68 44.9 3067	60 46.4 3176	35 21.9 3048	34 5.7 2967	44 45.8 3061
<b>2 UT</b>	<b>+Aldebaran</b>	<b>+Jupiter</b>	<b>+Elnath</b>	<b>–Regulus</b>	<b>–Venus</b>
0	36 51.1 3041	35 36.6 2962	25 56.5 3216	43 16.9 3058	115 25.8 3491
3	38 20.4 3034	37 7.6 2957	27 22.3 3191	41 47.9 3056	114 5.3 3485
6	39 49.9 3027	38 38.7 2952	28 48.7 3169	40 18.8 3054	112 44.6 3478
9	41 19.6 3020	40 9.9 2946	30 15.4 3148	38 49.7 3052	111 23.8 3472
12	42 49.3 3013	41 41.3 2941	31 42.6 3130	37 20.6 3050	110 2.9 3465
15	44 19.3 3005	43 12.7 2934	33 10.2 3113	35 51.4 3049	108 41.8 3458
18	45 49.4 2998	44 44.3 2928	34 38.1 3097	34 22.2 3048	107 20.7 3451
21	47 19.6 2990	46 16.0 2921	36 6.3 3082	32 53.0 3047	105 59.4 3443
<b>3 UT</b>	<b>+Aldebaran</b>	<b>+Jupiter</b>	<b>+Elnath</b>	<b>–Spica</b>	<b>–Venus</b>
0	48 50.0 2982	47 47.9 2914	37 34.8 3067	84 51.6 2963	104 37.9 3435
3	50 20.6 2974	49 19.9 2907	39 3.6 3054	83 20.6 2956	103 16.3 3427
6	51 51.3 2966	50 52.0 2899	40 32.7 3040	81 49.5 2948	101 54.5 3418
9	53 22.3 2957	52 24.3 2892	42 2.1 3027	80 18.2 2940	100 32.6 3410
12	54 53.4 2948	53 56.8 2883	43 31.7 3014	78 46.7 2932	99 10.5 3400
15	56 24.6 2939	55 29.5 2875	45 1.7 3001	77 15.1 2923	97 48.3 3390
18	57 56.1 2929	57 2.3 2866	46 31.8 2988	75 43.2 2914	96 25.8 3380
21	59 27.8 2920	58 35.3 2857	48 2.3 2976	74 11.2 2905	95 3.2 3370
<b>4 UT</b>	<b>+Aldebaran</b>	<b>+Jupiter</b>	<b>–Spica</b>	<b>–Venus</b>	<b>–Sun</b>
0	60 59.7 2910	60 8.5 2848	72 39.1 2896	93 40.3 3360	120 50.4 3268
3	62 31.8 2900	61 42.0 2838	71 6.7 2886	92 17.3 3348	119 25.6 3257
6	64 4.1 2889	63 15.6 2828	69 34.0 2876	90 54.1 3337	118 0.6 3247
9	65 36.6 2878	64 49.4 2818	68 1.2 2865	89 30.6 3325	116 35.4 3236
12	67 9.4 2867	66 23.5 2807	66 28.2 2855	88 6.9 3313	115 10.0 3223
15	68 42.4 2856	67 57.8 2796	64 54.9 2843	86 43.0 3301	113 44.3 3212
18	70 15.6 2845	69 32.3 2785	63 21.4 2832	85 18.8 3289	112 18.4 3199
21	71 49.1 2832	71 7.1 2773	61 47.6 2820	83 54.4 3274	110 52.2 3186
<b>5 UT</b>	<b>+Jupiter</b>	<b>+Betelgeuse</b>	<b>–Spica</b>	<b>–Venus</b>	<b>–Sun</b>
0	72 42.2 2761	54 45.0 2979	60 13.6 2808	82 29.7 3262	109 25.8 3173
3	74 17.5 2749	56 15.6 2960	58 39.3 2796	81 4.8 3247	107 59.1 3160
6	75 53.0 2736	57 46.7 2941	57 4.8 2783	79 39.6 3234	106 32.2 3146
9	77 28.9 2724	59 18.1 2923	55 30.0 2770	78 14.1 3218	105 5.0 3132
12	79 5.0 2710	60 49.9 2905	53 54.8 2756	76 48.3 3204	103 37.5 3117
15	80 41.5 2696	62 22.1 2887	52 19.4 2743	75 22.3 3189	102 9.7 3102
18	82 18.2 2682	63 54.7 2869	50 43.7 2729	73 55.9 3173	100 41.6 3087
21	83 55.2 2669	65 27.7 2852	49 7.7 2715	72 29.2 3157	99 13.1 3072

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<b>6 UT</b>	<b>+Jupiter</b>	<b>+Procyon</b>	<b>–Spica</b>	<b>–Venus</b>	<b>–Sun</b>
0	85 32.6 2654	41 11.2 2899	47 31.4 2700	71 2.2 3141	97 44.4 3056
3	87 10.3 2639	42 43.6 2872	45 54.7 2685	69 34.9 3124	96 15.4 3040
6	88 48.3 2624	44 16.4 2846	44 17.7 2670	68 7.2 3107	94 46.0 3023
9	90 26.7 2609	45 49.9 2822	42 40.4 2655	66 39.2 3091	93 16.3 3007
12	92 5.4 2593	47 23.9 2797	41 2.7 2639	65 10.9 3073	91 46.2 2989
15	93 44.4 2577	48 58.4 2774	39 24.7 2623	63 42.2 3056	90 15.8 2973
18	95 23.9 2561	50 33.4 2750	37 46.3 2606	62 13.1 3037	88 45.0 2955
21	97 3.6 2545	52 9.0 2728	36 7.5 2590	60 43.7 3020	87 13.8 2937
<b>7 UT</b>	<b>+Jupiter</b>	<b>+Procyon</b>	<b>–Spica</b>	<b>–Venus</b>	<b>–Sun</b>
0	98 43.8 2529	53 45.0 2705	34 28.4 2574	59 13.9 3001	85 42.3 2919
3	100 24.4 2512	55 21.6 2683	32 48.9 2557	57 43.7 2983	84 10.4 2901
6	102 5.3 2495	56 58.6 2661	31 9.0 2540	56 13.1 2964	82 38.1 2883
9	103 46.6 2478	58 36.1 2640	29 28.7 2523	54 42.2 2945	81 5.5 2864
12	105 28.3 2461	60 14.1 2619	27 48.1 2506	53 10.8 2926	79 32.4 2846
15	107 10.4 2444	61 52.6 2597	26 7.0 2488	51 39.1 2907	77 58.9 2827
18	108 53.0 2426	63 31.5 2577	24 25.5 2471	50 6.9 2887	76 25.1 2808
21	110 35.9 2409	65 11.0 2556	22 43.6 2454	48 34.3 2868	74 50.8 2789
<b>8 UT</b>	<b>+Procyon</b>	<b>+Regulus</b>	<b>–Spica</b>	<b>–Venus</b>	<b>–Sun</b>
0	66 50.9 2536	33 21.8 2503	21 1.4 2437	47 1.4 2849	73 16.1 2770
3	68 31.3 2516	35 2.9 2480	19 18.7 2419	45 28.0 2829	71 41.0 2751
6	70 12.1 2495	36 44.6 2457	17 35.6 2402	43 54.1 2809	70 5.4 2732
9	71 53.4 2476	38 26.9 2435	15 52.0 2386	42 19.9 2791	68 29.5 2713
12	73 35.2 2457	40 9.6 2413	14 8.1 2369	40 45.2 2771	66 53.1 2694
15	75 17.4 2437	41 52.9 2392	12 23.8 2354	39 10.2 2752	65 16.3 2675
18	77 0.1 2418	43 36.6 2372	10 39.1 2340	37 34.7 2733	63 39.1 2656
21	78 43.2 2399	45 20.9 2351	8 54.1 2328	35 58.7 2714	62 1.4 2637
<b>9 UT</b>	<b>+Pollux</b>	<b>+Procyon</b>	<b>+Regulus</b>	<b>–Venus</b>	<b>–Sun</b>
0	84 1.2 2375	80 26.8 2381	47 5.6 2331	34 22.4 2695	60 23.4 2618
3	85 45.4 2358	82 10.8 2363	48 50.8 2312	32 45.6 2677	58 44.9 2600
6	87 29.9 2340	83 55.3 2345	50 36.5 2293	31 8.5 2658	57 6.0 2582
9	89 15.0 2323	85 40.2 2328	52 22.6 2274	29 30.9 2641	55 26.6 2564
12	91 0.4 2306	87 25.5 2311	54 9.3 2256	27 52.9 2623	53 46.9 2546
15	92 46.2 2290	89 11.2 2295	55 56.3 2238	26 14.5 2606	52 6.8 2529
18	94 32.4 2274	90 57.3 2279	57 43.8 2221	24 35.7 2589	50 26.2 2512
21	96 19.0 2259	92 43.8 2263	59 31.7 2204	22 56.6 2574	48 45.3 2494
<b>10 UT</b>	<b>+Alphard</b>	<b>+Regulus</b>	<b>+Spica</b>	<b>–Venus</b>	<b>–Sun</b>
0	65 2.3 2399	61 20.1 2188	7 16.7 2178	21 17.1 2559	47 3.9 2479
3	66 45.9 2377	63 8.8 2171	9 5.7 2156	19 37.2 2545	45 22.2 2462
6	68 30.1 2356	64 58.0 2156	10 55.3 2139	17 57.1 2532	43 40.1 2447
9	70 14.7 2337	66 47.5 2141	12 45.3 2122	16 16.6 2520	41 57.7 2433
12	71 59.8 2318	68 37.5 2126	14 35.7 2107	14 35.9 2511	40 14.9 2418
15	73 45.3 2302	70 27.8 2113	16 26.5 2093	12 54.9 2506	38 31.8 2405
18	75 31.2 2285	72 18.4 2099	18 17.6 2079	11 13.8 2505	36 48.3 2392
21	77 17.6 2269	74 9.4 2087	20 9.1 2066	9 32.8 2514	35 4.6 2380

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<b>11 UT</b>	+Regulus	+Denebola	+Gienah	+Spica	–Sun
0	76 0.7 2075	55 23.6 2338	37 15.7 2259	22 1.0 2054	33 20.5 2368
3	77 52.3 2063	57 8.7 2315	39 2.7 2232	23 53.1 2043	31 36.2 2358
6	79 44.3 2053	58 54.3 2294	40 50.3 2208	25 45.6 2032	29 51.6 2348
9	81 36.4 2042	60 40.4 2274	42 38.6 2186	27 38.3 2022	28 6.8 2339
12	83 28.9 2033	62 27.0 2257	44 27.4 2166	29 31.3 2013	26 21.7 2332
15	85 21.6 2024	64 14.1 2240	46 16.7 2148	31 24.5 2004	24 36.5 2325
18	87 14.5 2017	66 1.5 2226	48 6.4 2132	33 18.0 1996	22 51.2 2320
21	89 7.6 2010	67 49.3 2213	49 56.6 2117	35 11.6 1989	21 5.7 2317
<b>12 UT</b>	+Regulus	+Gienah	+Spica	+Venus	–Sun
0	91 1.0 2003	51 47.1 2104	37 5.5 1982	6 20.3 2461	19 20.1 2316
3	92 54.4 1998	53 38.0 2093	38 59.5 1977	8 2.4 2415	17 34.5 2317
6	94 48.1 1993	55 29.1 2083	40 53.7 1972	9 45.6 2389	15 48.9 2323
9	96 41.8 1989	57 20.6 2074	42 48.0 1968	11 29.4 2372	14 3.5 2333
12	98 35.6 1986	59 12.2 2067	44 42.3 1965	13 13.7 2360	12 18.3 2353
15	100 29.6 1984	61 4.0 2061	46 36.8 1962	14 58.2 2351	10 33.6 2385
18	102 23.5 1983	62 56.0 2056	48 31.4 1961	16 43.0 2345	8 49.7 2447
21	104 17.5 1982	64 48.1 2052	50 26.0 1960	18 27.9 2341	7 7.3 2571
<b>14 UT</b>	+Sun	–Enif	–Fomalhaut	–Markab	–Diphda
0	9 32.9 2398	61 42.4 2243	65 49.5 2583	81 39.1 2138	92 18.9 2414
3	11 16.5 2377	59 55.1 2261	64 10.2 2610	79 49.1 2148	90 35.7 2421
6	13 0.6 2367	58 8.1 2280	62 31.5 2639	77 59.3 2158	88 52.6 2430
9	14 45.0 2363	56 21.7 2301	60 53.5 2672	76 9.8 2169	87 9.8 2440
12	16 29.4 2365	54 35.7 2325	59 16.3 2708	74 20.6 2181	85 27.1 2452
15	18 13.8 2369	52 50.3 2350	57 39.8 2747	72 31.7 2195	83 44.8 2465
18	19 58.1 2375	51 5.6 2378	56 4.1 2790	70 43.1 2209	82 2.8 2479
21	21 42.3 2384	49 21.5 2409	54 29.5 2837	68 54.9 2225	80 21.1 2496
<b>15 UT</b>	+Sun	–Markab	–Diphda	–Alpheratz	–Hamal
0	23 26.2 2394	67 7.1 2242	78 39.8 2514	86 25.3 2403	110 11.4 2119
3	25 10.0 2405	65 19.7 2260	76 58.9 2533	84 41.8 2417	108 20.9 2130
6	26 53.4 2418	63 32.7 2280	75 18.4 2555	82 58.7 2434	106 30.7 2143
9	28 36.5 2431	61 46.3 2300	73 38.5 2577	81 15.9 2451	104 40.8 2156
12	30 19.4 2445	60 0.3 2322	71 59.1 2602	79 33.5 2470	102 51.3 2170
15	32 1.9 2460	58 14.8 2345	70 20.2 2628	77 51.6 2489	101 2.0 2184
18	33 44.0 2476	56 30.0 2369	68 41.9 2656	76 10.2 2510	99 13.2 2199
21	35 25.8 2492	54 45.7 2396	67 4.3 2685	74 29.2 2533	97 24.7 2214
<b>16 UT</b>	+Sun	–Markab	–Alpheratz	–Hamal	–Menkar
0	37 7.2 2508	53 2.0 2423	72 48.7 2556	95 36.6 2230	103 54.9 2314
3	38 48.2 2526	51 19.0 2452	71 8.8 2581	93 48.9 2247	102 9.2 2328
6	40 28.8 2544	49 36.6 2483	69 29.5 2607	92 1.7 2264	100 23.9 2344
9	42 9.0 2562	47 55.0 2516	67 50.8 2635	90 14.8 2281	98 39.0 2360
12	43 48.8 2581	46 14.2 2551	66 12.6 2664	88 28.3 2299	96 54.5 2377
15	45 28.1 2600	44 34.2 2589	64 35.2 2694	86 42.3 2317	95 10.4 2394
18	47 7.0 2619	42 55.0 2628	62 58.4 2726	84 56.8 2336	93 26.7 2412
21	48 45.5 2639	41 16.7 2672	61 22.3 2759	83 11.7 2354	91 43.4 2430

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<b>17 UT</b>	+Sun	–Hamal	–Menkar	–Jupiter	–Aldebaran
0	50 23.5 2659	81 27.0 2373	90 0.6 2449	113 45.9 2288	114 38.6 2340
3	52 1.1 2678	79 42.8 2393	88 18.1 2468	111 59.6 2306	112 53.6 2358
6	53 38.2 2699	77 59.1 2413	86 36.2 2487	110 13.8 2325	111 9.0 2377
9	55 14.9 2719	76 15.8 2432	84 54.7 2507	108 28.4 2344	109 24.9 2396
12	56 51.1 2739	74 33.0 2452	83 13.6 2527	106 43.5 2363	107 41.2 2414
15	58 26.9 2760	72 50.7 2472	81 33.0 2547	104 59.1 2382	105 58.0 2433
18	60 2.3 2780	71 8.8 2492	79 52.9 2567	103 15.1 2401	104 15.2 2452
21	61 37.1 2801	69 27.4 2513	78 13.2 2588	101 31.5 2420	102 32.9 2471
<b>18 UT</b>	+Sun	–Hamal	–Menkar	–Jupiter	–Aldebaran
0	63 11.6 2822	67 46.5 2533	76 34.1 2609	99 48.4 2439	100 51.0 2490
3	64 45.5 2842	66 6.0 2554	74 55.4 2630	98 5.8 2458	99 9.6 2509
6	66 19.1 2863	64 26.1 2574	73 17.1 2651	96 23.6 2476	97 28.6 2528
9	67 52.2 2883	62 46.6 2595	71 39.4 2673	94 41.8 2496	95 48.0 2547
12	69 24.8 2903	61 7.5 2615	70 2.1 2694	93 0.5 2514	94 7.9 2565
15	70 57.1 2923	59 29.0 2636	68 25.4 2716	91 19.6 2532	92 28.2 2583
18	72 28.9 2944	57 50.9 2657	66 49.1 2738	89 39.1 2551	90 48.9 2602
21	74 0.3 2963	56 13.2 2677	65 13.2 2760	87 59.1 2569	89 10.0 2620
<b>19 UT</b>	+Sun	–Hamal	–Menkar	–Jupiter	–Aldebaran
0	75 31.3 2982	54 36.1 2698	63 37.9 2783	86 19.5 2586	87 31.6 2638
3	77 1.8 3002	52 59.4 2719	62 3.1 2805	84 40.3 2604	85 53.6 2656
6	78 32.0 3020	51 23.1 2740	60 28.7 2828	83 1.5 2622	84 15.9 2674
9	80 1.8 3039	49 47.4 2761	58 54.9 2851	81 23.0 2639	82 38.7 2691
12	81 31.2 3058	48 12.0 2782	57 21.5 2874	79 45.0 2656	81 1.8 2708
15	83 0.2 3075	46 37.2 2803	55 48.7 2897	78 7.4 2672	79 25.3 2725
18	84 28.8 3094	45 2.8 2825	54 16.3 2922	76 30.1 2689	77 49.2 2741
21	85 57.1 3111	43 28.9 2847	52 44.5 2946	74 53.2 2704	76 13.5 2757
<b>20 UT</b>	+Sun	–Jupiter	–Aldebaran	–Elnath	–Betelgeuse
0	87 25.1 3129	73 16.6 2720	74 38.1 2773	86 26.9 2801	94 9.0 2876
3	88 52.6 3145	71 40.4 2735	73 3.0 2789	84 52.5 2817	92 36.2 2891
6	90 19.9 3161	70 4.5 2750	71 28.3 2804	83 18.4 2832	91 3.7 2906
9	91 46.8 3177	68 29.0 2765	69 54.0 2819	81 44.7 2847	89 31.5 2920
12	93 13.4 3193	66 53.8 2779	68 19.9 2833	80 11.2 2861	87 59.7 2935
15	94 39.7 3208	65 18.8 2793	66 46.2 2848	78 38.1 2876	86 28.1 2949
18	96 5.6 3223	63 44.2 2806	65 12.8 2861	77 5.3 2890	84 56.8 2963
21	97 31.3 3237	62 9.9 2819	63 39.7 2875	75 32.7 2903	83 25.9 2977
<b>21 UT</b>	+Sun	+Enif	–Jupiter	–Aldebaran	–Betelgeuse
0	98 56.7 3252	39 44.1 3361	60 35.9 2832	62 6.8 2888	81 55.2 2991
3	100 21.8 3265	41 7.1 3344	59 2.1 2844	60 34.3 2901	80 24.8 3004
6	101 46.7 3278	42 30.4 3330	57 28.6 2856	59 2.0 2913	78 54.7 3018
9	103 11.3 3291	43 54.0 3318	55 55.4 2868	57 30.0 2925	77 24.8 3030
12	104 35.7 3303	45 17.9 3308	54 22.4 2879	55 58.2 2937	75 55.3 3043
15	105 59.8 3315	46 41.9 3300	52 49.6 2890	54 26.7 2949	74 26.0 3056
18	107 23.7 3327	48 6.1 3293	51 17.1 2900	52 55.4 2960	72 56.9 3068
21	108 47.4 3337	49 30.4 3287	49 44.8 2910	51 24.3 2970	71 28.1 3080

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<b>22 UT</b>	<b>+Sun</b>	<b>+Enif</b>	<b>–Jupiter</b>	<b>–Aldebaran</b>	<b>–Betelgeuse</b>
0	110 10.8 3348	50 54.8 3282	48 12.7 2919	49 53.5 2981	69 59.5 3092
3	111 34.1 3358	52 19.4 3278	46 40.8 2928	48 22.9 2991	68 31.2 3104
6	112 57.1 3368	53 44.0 3275	45 9.1 2937	46 52.5 3000	67 3.2 3116
9	114 20.0 3376	55 8.6 3273	43 37.6 2945	45 22.3 3009	65 35.3 3127
12	115 42.7 3386	56 33.4 3271	42 6.2 2953	43 52.3 3019	64 7.7 3139
15	117 5.3 3395	57 58.1 3269	40 35.0 2961	42 22.5 3028	62 40.4 3150
18	118 27.6 3402	59 22.9 3268	39 4.0 2968	40 52.9 3036	61 13.3 3162
21	119 49.9 3410	60 47.7 3267	37 33.1 2974	39 23.4 3045	59 46.4 3173
<b>23 UT</b>	<b>+Markab</b>	<b>–Jupiter</b>	<b>–Aldebaran</b>	<b>–Betelgeuse</b>	<b>–Procyon</b>
0	42 0.0 3354	36 2.4 2981	37 54.1 3053	58 19.7 3185	84 1.5 3111
3	43 23.2 3341	34 31.8 2986	36 25.0 3061	56 53.2 3196	82 33.6 3117
6	44 46.6 3331	33 1.3 2992	34 56.1 3070	55 27.0 3208	81 5.8 3123
9	46 10.1 3321	31 30.9 2997	33 27.3 3078	54 1.0 3219	79 38.1 3129
12	47 33.9 3313	30 0.6 3002	31 58.7 3086	52 35.2 3232	78 10.6 3135
15	48 57.8 3306	28 30.5 3007	30 30.3 3094	51 9.7 3244	76 43.1 3141
18	50 21.9 3299	27 0.4 3010	29 2.0 3103	49 44.5 3257	75 15.8 3146
21	51 46.1 3292	25 30.4 3014	27 33.9 3112	48 19.4 3270	73 48.6 3151
<b>24 UT</b>	<b>+Markab</b>	<b>–Jupiter</b>	<b>–Aldebaran</b>	<b>–Pollux</b>	<b>–Procyon</b>
0	53 10.5 3287	24 0.5 3017	26 6.0 3121	68 46.4 3154	72 21.4 3156
3	54 34.9 3282	22 30.7 3021	24 38.3 3132	67 19.4 3159	70 54.4 3161
6	55 59.4 3277	21 0.9 3024	23 10.8 3144	65 52.4 3164	69 27.5 3165
9	57 24.1 3272	19 31.2 3027	21 43.5 3157	64 25.5 3169	68 0.7 3170
12	58 48.8 3268	18 1.6 3028	20 16.5 3173	62 58.8 3173	66 33.9 3174
15	60 13.6 3264	16 31.9 3031	18 49.9 3192	61 32.1 3178	65 7.3 3178
18	61 38.5 3260	15 2.4 3032	17 23.5 3215	60 5.5 3182	63 40.7 3183
21	63 3.5 3256	13 32.8 3034	15 57.7 3245	58 39.0 3187	62 14.2 3187
<b>25 UT</b>	<b>+Hamal</b>	<b>–Betelgeuse</b>	<b>–Pollux</b>	<b>–Procyon</b>	<b>–Regulus</b>
0	21 3.4 3435	35 48.1 3442	57 12.6 3192	60 47.8 3191	93 33.6 3094
3	22 25.0 3393	34 26.6 3471	55 46.3 3196	59 21.5 3195	92 5.4 3095
6	23 47.4 3357	33 5.7 3504	54 20.1 3201	57 55.2 3199	90 37.1 3095
9	25 10.5 3329	31 45.3 3541	52 54.0 3206	56 29.1 3204	89 8.9 3095
12	26 34.1 3303	30 25.7 3584	51 28.0 3212	55 3.0 3209	87 40.6 3095
15	27 58.2 3281	29 6.8 3633	50 2.0 3217	53 37.1 3213	86 12.4 3094
18	29 22.8 3263	27 48.9 3691	48 36.2 3223	52 11.2 3218	84 44.1 3094
21	30 47.7 3246	26 31.9 3757	47 10.5 3230	50 45.4 3224	83 15.8 3093
<b>26 UT</b>	<b>+Hamal</b>	<b>–Pollux</b>	<b>–Procyon</b>	<b>–Alphard</b>	<b>–Regulus</b>
0	32 12.9 3231	45 45.0 3236	49 19.7 3229	79 36.9 3277	81 47.5 3092
3	33 38.5 3218	44 19.6 3244	47 54.2 3236	78 12.3 3278	80 19.2 3091
6	35 4.3 3206	42 54.3 3252	46 28.7 3243	76 47.7 3279	78 50.9 3089
9	36 30.3 3194	41 29.2 3261	45 3.4 3250	75 23.1 3280	77 22.5 3087
12	37 56.6 3184	40 4.2 3272	43 38.3 3258	73 58.5 3281	75 54.1 3086
15	39 23.0 3174	38 39.5 3283	42 13.3 3267	72 34.0 3282	74 25.7 3084
18	40 49.7 3166	37 15.0 3297	40 48.4 3278	71 9.5 3284	72 57.2 3083
21	42 16.5 3157	35 50.8 3312	39 23.8 3290	69 45.0 3286	71 28.7 3080

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>27 UT</b>	<b>+Hamal</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>–Procyon</b>	<b>–Regulus</b>
0	43 43.5 3149	11 51.2 3017	10 34.8 3378	37 59.5 3303	70 0.2 3078
3	45 10.7 3141	13 21.0 3013	11 57.5 3304	36 35.3 3318	68 31.5 3075
6	46 38.0 3134	14 51.0 3011	13 21.6 3251	35 11.5 3336	67 2.9 3072
9	48 5.4 3127	16 20.9 3007	14 46.7 3211	33 48.0 3356	65 34.2 3070
12	49 33.0 3120	17 51.0 3004	16 12.6 3180	32 24.9 3379	64 5.4 3067
15	51 0.8 3113	19 21.1 3000	17 39.2 3156	31 2.2 3406	62 36.6 3064
18	52 28.7 3106	20 51.3 2996	19 6.2 3135	29 40.1 3438	61 7.7 3061
21	53 56.7 3100	22 21.6 2993	20 33.6 3119	28 18.5 3475	59 38.8 3059
<b>28 UT</b>	<b>+Hamal</b>	<b>+Menkar</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>–Regulus</b>
0	55 24.8 3094	47 51.4 3248	23 51.9 2989	22 1.4 3104	58 9.8 3055
3	56 53.1 3087	49 16.5 3234	25 22.4 2985	23 29.5 3091	56 40.7 3052
6	58 21.5 3081	50 42.0 3221	26 52.9 2981	24 57.8 3079	55 11.6 3049
9	59 50.1 3075	52 7.7 3209	28 23.5 2976	26 26.4 3069	53 42.4 3046
12	61 18.7 3068	53 33.7 3196	29 54.2 2972	27 55.2 3059	52 13.2 3043
15	62 47.5 3063	54 59.9 3185	31 25.0 2968	29 24.2 3050	50 43.8 3040
18	64 16.4 3056	56 26.4 3174	32 55.9 2963	30 53.3 3041	49 14.5 3037
21	65 45.5 3050	57 53.0 3163	34 26.8 2958	32 22.7 3033	47 45.0 3034
<b>29 UT</b>	<b>+Hamal</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>–Regulus</b>
0	67 14.7 3044	35 57.9 2953	33 52.2 3025	23 4.4 3246	46 15.5 3031
3	68 44.0 3038	37 29.1 2949	35 21.9 3018	24 29.6 3213	44 45.9 3028
6	70 13.4 3032	39 0.4 2944	36 51.7 3010	25 55.5 3185	43 16.3 3025
9	71 42.9 3025	40 31.7 2938	38 21.7 3003	27 22.0 3159	41 46.6 3023
12	73 12.6 3019	42 3.2 2933	39 51.9 2996	28 48.9 3137	40 16.9 3020
15	74 42.4 3013	43 34.8 2928	41 22.2 2989	30 16.3 3117	38 47.1 3018
18	76 12.3 3007	45 6.6 2923	42 52.6 2982	31 44.1 3099	37 17.3 3017
21	77 42.4 3001	46 38.4 2917	44 23.2 2975	33 12.3 3082	35 47.4 3016
<b>30 UT</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>–Regulus</b>	<b>–Spica</b>
0	48 10.3 2911	45 53.9 2967	34 40.8 3066	34 17.6 3015	87 49.2 2946
3	49 42.4 2906	47 24.8 2961	36 9.7 3052	32 47.7 3015	86 17.8 2940
6	51 14.6 2899	48 55.8 2953	37 38.8 3039	31 17.8 3015	84 46.4 2934
9	52 46.9 2893	50 27.0 2946	39 8.2 3026	29 47.9 3017	83 14.8 2928
12	54 19.4 2887	51 58.3 2939	40 37.9 3014	28 18.0 3020	81 43.1 2922
15	55 52.0 2881	53 29.8 2932	42 7.8 3002	26 48.2 3024	80 11.2 2915
18	57 24.7 2874	55 1.4 2925	43 38.0 2991	25 18.5 3031	78 39.2 2909
21	58 57.5 2867	56 33.2 2917	45 8.4 2979	23 49.0 3040	77 7.1 2902
<b>31 UT</b>	<b>+Jupiter</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>+Betelgeuse</b>	<b>–Spica</b>
0	60 30.5 2861	58 5.1 2910	46 39.0 2969	40 11.7 3173	75 34.9 2895
3	62 3.7 2854	59 37.2 2902	48 9.8 2958	41 38.3 3149	74 2.4 2888
6	63 37.0 2847	61 9.5 2895	49 40.9 2948	43 5.5 3127	72 29.9 2881
9	65 10.4 2840	62 41.9 2887	51 12.2 2938	44 33.1 3107	70 57.2 2874
12	66 44.0 2832	64 14.5 2879	52 43.7 2928	46 1.1 3087	69 24.3 2866
15	68 17.8 2825	65 47.2 2871	54 15.4 2918	47 29.5 3069	67 51.3 2858
18	69 51.7 2817	67 20.1 2863	55 47.4 2908	48 58.3 3051	66 18.1 2851
21	71 25.8 2809	68 53.2 2855	57 19.5 2898	50 27.4 3035	64 44.7 2843