

MAY 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Nunki	+Altair	+Enif	+Venus	-Sun
0	92 47.4 3071	72 57.0 3566	45 3.0 3467	7 11.1 6702	25 39.1 3469
3	94 16.1 3067	74 16.2 3555	46 24.0 3443	7 49.6 5736	24 18.2 3468
6	95 44.9 3063	75 35.5 3544	47 45.4 3421	8 37.6 5129	22 57.2 3470
9	97 13.8 3059	76 55.1 3534	49 7.3 3400	9 32.9 4728	21 36.2 3472
12	98 42.8 3054	78 14.9 3524	50 29.5 3380	10 33.5 4450	20 15.3 3476
15	100 11.9 3050	79 34.8 3514	51 52.2 3361	11 38.1 4251	18 54.5 3481
18	101 41.1 3045	80 55.0 3505	53 15.2 3344	12 45.7 4105	17 33.8 3488
21	103 10.3 3040	82 15.3 3497	54 38.5 3327	13 55.7 3994	16 13.1 3500
4 UT	+Sun	-Betelgeuse	-Pollux	-Procyon	-Regulus
0	8 29.1 3603	41 44.2 3310	62 1.6 2989	66 38.4 3057	98 44.2 2934
3	9 47.6 3513	40 20.2 3329	60 31.1 2984	65 9.4 3054	97 12.6 2927
6	11 7.8 3450	38 56.5 3350	59 0.6 2980	63 40.3 3050	95 40.9 2919
9	12 29.1 3403	37 33.3 3375	57 30.0 2975	62 11.2 3047	94 9.0 2912
12	13 51.3 3367	36 10.6 3405	55 59.3 2971	60 41.9 3044	92 36.9 2904
15	15 14.2 3337	34 48.4 3439	54 28.4 2966	59 12.6 3041	91 4.7 2897
18	16 37.7 3314	33 26.9 3479	52 57.5 2963	57 43.3 3040	89 32.3 2889
21	18 1.6 3292	32 6.1 3526	51 26.5 2958	56 13.9 3038	87 59.8 2881
5 UT	+Sun	-Pollux	-Procyon	-Alphard	-Regulus
0	19 25.9 3274	49 55.5 2955	54 44.5 3037	85 3.9 3070	86 27.1 2874
3	20 50.6 3257	48 24.3 2952	53 15.1 3037	83 35.2 3063	84 54.2 2866
6	22 15.6 3242	46 53.1 2950	51 45.6 3037	82 6.3 3057	83 21.2 2858
9	23 40.9 3227	45 21.9 2948	50 16.2 3038	80 37.2 3051	81 48.0 2850
12	25 6.6 3214	43 50.6 2947	48 46.8 3040	79 8.1 3045	80 14.7 2843
15	26 32.4 3201	42 19.3 2946	47 17.4 3043	77 38.8 3039	78 41.1 2834
18	27 58.6 3189	40 48.0 2946	45 48.1 3047	76 9.4 3034	77 7.4 2826
21	29 24.9 3176	39 16.6 2948	44 18.9 3053	74 39.9 3029	75 33.5 2818
6 UT	+Sun	-Pollux	-Procyon	-Alphard	-Regulus
0	30 51.5 3165	37 45.3 2950	42 49.7 3060	73 10.3 3024	73 59.5 2810
3	32 18.4 3153	36 14.1 2954	41 20.8 3068	71 40.6 3020	72 25.2 2802
6	33 45.4 3142	34 42.9 2960	39 52.0 3079	70 10.8 3016	70 50.8 2794
9	35 12.8 3131	33 11.9 2967	38 23.4 3093	68 40.9 3013	69 16.2 2785
12	36 40.3 3120	31 41.0 2978	36 55.1 3109	67 11.0 3010	67 41.5 2777
15	38 8.0 3108	30 10.3 2991	35 27.1 3129	65 41.0 3007	66 6.5 2768
18	39 36.0 3098	28 39.9 3009	33 59.6 3152	64 10.9 3005	64 31.4 2760
21	41 4.2 3087	27 9.9 3031	32 32.5 3182	62 40.8 3004	62 56.0 2752
7 UT	+Sun	-Alphard	-Regulus	-Denebola	-Saturn
0	42 32.6 3075	61 10.7 3003	61 20.5 2743	83 22.7 2927	102 54.1 2740
3	44 1.3 3065	59 40.6 3003	59 44.8 2735	81 50.9 2920	101 18.3 2731
6	45 30.1 3053	58 10.4 3004	58 8.9 2726	80 19.1 2913	99 42.4 2721
9	46 59.2 3043	56 40.3 3006	56 32.9 2718	78 47.0 2906	98 6.2 2712
12	48 28.6 3032	55 10.3 3009	54 56.6 2709	77 14.8 2899	96 29.8 2702
15	49 58.1 3020	53 40.2 3013	53 20.1 2700	75 42.5 2892	94 53.2 2692
18	51 27.9 3009	52 10.3 3019	51 43.5 2692	74 10.0 2886	93 16.3 2682
21	52 57.9 2998	50 40.5 3026	50 6.7 2684	72 37.4 2880	91 39.3 2672

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8 UT	+Sun	–Regulus	–Gienah	–Saturn	–Spica
0	54 28.2 2986	48 29.6 2675	88 58.8 2702	90 2.0 2662	102 24.1 2646
3	55 58.7 2975	46 52.4 2667	87 22.2 2692	88 24.5 2652	100 46.2 2636
6	57 29.4 2963	45 15.0 2658	85 45.4 2682	86 46.8 2642	99 8.1 2625
9	59 0.4 2952	43 37.4 2650	84 8.3 2672	85 8.8 2632	97 29.8 2615
12	60 31.6 2940	41 59.7 2642	82 31.0 2662	83 30.6 2622	95 51.2 2604
15	62 3.0 2928	40 21.7 2634	80 53.5 2652	81 52.2 2611	94 12.4 2594
18	63 34.7 2916	38 43.6 2627	79 15.8 2642	80 13.6 2601	92 33.4 2583
21	65 6.7 2904	37 5.3 2620	77 37.8 2632	78 34.7 2591	90 54.1 2572
9 UT	+Sun	–Regulus	–Gienah	–Saturn	–Spica
0	66 38.9 2891	35 26.8 2613	75 59.6 2621	76 55.6 2580	89 14.5 2561
3	68 11.4 2880	33 48.2 2608	74 21.2 2612	75 16.2 2570	87 34.7 2550
6	69 44.2 2868	32 9.5 2602	72 42.6 2602	73 36.6 2560	85 54.7 2539
9	71 17.2 2854	30 30.6 2598	71 3.7 2591	71 56.8 2549	84 14.3 2527
12	72 50.4 2843	28 51.7 2595	69 24.6 2582	70 16.7 2539	82 33.8 2516
15	74 24.0 2830	27 12.7 2594	67 45.3 2572	68 36.4 2529	80 52.9 2505
18	75 57.8 2817	25 33.6 2594	66 5.8 2562	66 55.9 2518	79 11.8 2494
21	77 31.9 2804	23 54.6 2598	64 26.0 2553	65 15.1 2508	77 30.5 2481
10 UT	+Sun	+Pollux	–Gienah	–Saturn	–Spica
0	79 6.2 2792	17 57.6 3092	62 46.0 2544	63 34.1 2498	75 48.8 2470
3	80 40.9 2779	19 25.9 2982	61 5.8 2534	61 52.8 2488	74 6.9 2458
6	82 15.8 2766	20 56.5 2894	59 25.4 2525	60 11.3 2478	72 24.7 2447
9	83 51.0 2753	22 28.9 2821	57 44.8 2517	58 29.6 2468	70 42.3 2435
12	85 26.4 2740	24 2.9 2760	56 3.9 2508	56 47.7 2459	68 59.5 2423
15	87 2.2 2727	25 38.2 2708	54 22.9 2500	55 5.5 2449	67 16.5 2411
18	88 38.2 2715	27 14.7 2663	52 41.7 2493	53 23.1 2440	65 33.2 2400
21	90 14.6 2702	28 52.2 2623	51 0.4 2486	51 40.5 2432	63 49.6 2388
11 UT	+Sun	+Pollux	+Procyon	–Saturn	–Spica
0	91 51.2 2689	30 30.5 2588	27 57.5 2929	49 57.6 2423	62 5.8 2376
3	93 28.1 2676	32 9.7 2556	29 29.2 2860	48 14.6 2415	60 21.6 2364
6	95 5.3 2663	33 49.6 2527	31 2.3 2800	46 31.4 2408	58 37.2 2353
9	96 42.8 2650	35 30.2 2501	32 36.8 2747	44 48.0 2401	56 52.5 2341
12	98 20.5 2638	37 11.4 2476	34 12.4 2699	43 4.5 2394	55 7.5 2330
15	99 58.6 2625	38 53.2 2453	35 49.1 2657	41 20.8 2389	53 22.3 2318
18	101 36.9 2613	40 35.5 2432	37 26.7 2619	39 37.0 2385	51 36.7 2307
21	103 15.5 2600	42 18.3 2412	39 5.2 2584	37 53.0 2382	49 50.9 2296
12 UT	+Sun	+Pollux	+Procyon	–Saturn	–Spica
0	104 54.4 2588	44 1.6 2392	40 44.5 2552	36 9.0 2380	48 4.8 2285
3	106 33.6 2576	45 45.4 2374	42 24.5 2522	34 25.0 2380	46 18.5 2274
6	108 13.1 2564	47 29.6 2358	44 5.2 2496	32 41.0 2383	44 31.9 2264
9	109 52.8 2552	49 14.1 2341	45 46.5 2470	30 57.0 2388	42 45.0 2253
12	111 32.8 2542	50 59.1 2326	47 28.4 2447	29 13.1 2396	40 57.9 2243
15	113 13.0 2530	52 44.5 2311	49 10.8 2425	27 29.5 2408	39 10.5 2233
18	114 53.5 2519	54 30.2 2297	50 53.8 2406	25 46.1 2426	37 22.9 2224
21	116 34.3 2508	56 16.2 2283	52 37.2 2386	24 3.1 2451	35 35.0 2215

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13 UT	+Pollux	+Procyon	+Regulus	–Spica	–Antares
0	58 2.6 2271	54 21.1 2369	21 3.3 2326	33 47.0 2207	79 17.3 2201
3	59 49.3 2258	56 5.4 2351	22 48.6 2298	31 58.7 2199	77 28.8 2191
6	61 36.3 2247	57 50.2 2336	24 34.7 2274	30 10.2 2191	75 40.2 2182
9	63 23.6 2236	59 35.3 2321	26 21.3 2253	28 21.5 2184	73 51.3 2174
12	65 11.2 2225	61 20.7 2307	28 8.4 2235	26 32.7 2179	72 2.2 2166
15	66 59.0 2216	63 6.5 2295	29 56.0 2219	24 43.7 2174	70 12.9 2158
18	68 47.0 2206	64 52.6 2283	31 43.9 2205	22 54.6 2170	68 23.4 2150
21	70 35.3 2197	66 39.1 2271	33 32.3 2191	21 5.4 2168	66 33.7 2143
14 UT	+Pollux	+Procyon	+Regulus	–Zubenelgen	–Antares
0	72 23.9 2189	68 25.7 2261	35 20.9 2180	40 37.3 2148	64 43.8 2136
3	74 12.6 2182	70 12.7 2252	37 9.9 2169	38 47.6 2143	62 53.7 2130
6	76 1.5 2174	71 59.8 2243	38 59.1 2159	36 57.7 2139	61 3.5 2125
9	77 50.6 2168	73 47.2 2235	40 48.6 2150	35 7.7 2136	59 13.2 2119
12	79 39.8 2163	75 34.8 2228	42 38.3 2143	33 17.7 2134	57 22.7 2115
15	81 29.2 2158	77 22.6 2222	44 28.2 2136	31 27.6 2133	55 32.1 2111
18	83 18.7 2153	79 10.5 2216	46 18.2 2130	29 37.4 2133	53 41.4 2107
21	85 8.3 2149	80 58.5 2211	48 8.5 2124	27 47.3 2134	51 50.6 2105
15 UT	+Regulus	–Antares	–Shaula	–Kaus Aust.	–Nunki
0	49 58.8 2120	49 59.8 2102	64 37.3 2249	74 53.0 2194	82 32.8 2107
3	51 49.3 2116	48 8.9 2101	62 50.0 2253	73 4.4 2194	80 42.0 2105
6	53 39.9 2113	46 17.9 2100	61 2.9 2257	71 15.8 2195	78 51.1 2104
9	55 30.5 2110	44 26.9 2100	59 15.9 2262	69 27.2 2196	77 0.2 2103
12	57 21.2 2109	42 35.9 2100	57 29.0 2269	67 38.7 2199	75 9.3 2102
15	59 12.0 2108	40 45.0 2102	55 42.2 2278	65 50.2 2202	73 18.4 2103
18	61 2.7 2107	38 54.0 2103	53 55.7 2288	64 1.8 2207	71 27.5 2103
21	62 53.5 2108	37 3.1 2107	52 9.4 2300	62 13.5 2212	69 36.6 2105
16 UT	+Regulus	+Saturn	+Spica	–Antares	–Nunki
0	64 44.3 2109	24 25.9 2295	10 46.3 2186	35 12.3 2110	67 45.8 2108
3	66 35.0 2111	26 12.0 2270	12 35.1 2164	33 21.6 2115	65 55.0 2111
6	68 25.7 2113	27 58.7 2251	14 24.5 2150	31 31.0 2121	64 4.3 2114
9	70 16.4 2117	29 45.9 2236	16 14.2 2142	29 40.6 2128	62 13.7 2119
12	72 6.9 2120	31 33.5 2225	18 4.1 2138	27 50.3 2136	60 23.2 2124
15	73 57.4 2125	33 21.3 2217	19 54.1 2137	26 0.3 2146	58 32.9 2130
18	75 47.7 2130	35 9.3 2212	21 44.1 2138	24 10.5 2159	56 42.7 2137
21	77 37.9 2136	36 57.4 2209	23 34.1 2141	22 21.0 2173	54 52.6 2144
17 UT	+Gienah	+Saturn	+Spica	–Antares	–Nunki
0	39 43.0 2269	38 45.7 2208	25 24.0 2144	20 31.9 2190	53 2.8 2152
3	41 29.7 2266	40 33.9 2208	27 13.9 2149	18 43.2 2211	51 13.1 2161
6	43 16.6 2265	42 22.2 2210	29 3.6 2155	16 55.0 2238	49 23.7 2171
9	45 3.4 2266	44 10.4 2213	30 53.2 2162	15 7.5 2273	47 34.5 2181
12	46 50.2 2268	45 58.5 2218	32 42.6 2170	13 20.9 2321	45 45.6 2192
15	48 36.9 2272	47 46.5 2223	34 31.8 2179	11 35.4 2390	43 57.0 2204
18	50 23.6 2277	49 34.4 2230	36 20.8 2188	9 51.6 2501	42 8.6 2218
21	52 10.2 2283	51 22.0 2237	38 9.5 2198	8 10.4 2694	40 20.6 2231

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18 UT	+Gienah	+Saturn	+Spica	+Zubenelgen	–Nunki
0	53 56.6 2290	53 9.6 2246	39 58.0 2209	18 51.6 2274	38 32.9 2246
3	55 42.8 2298	54 56.9 2255	41 46.3 2220	20 38.2 2274	36 45.6 2263
6	57 28.8 2306	56 43.9 2265	43 34.2 2231	22 24.8 2278	34 58.8 2279
9	59 14.6 2317	58 30.8 2276	45 21.9 2244	24 11.3 2284	33 12.3 2298
12	61 0.2 2327	60 17.3 2287	47 9.2 2256	25 57.7 2291	31 26.2 2318
15	62 45.5 2338	62 3.6 2299	48 56.3 2269	27 43.9 2300	29 40.7 2339
18	64 30.6 2350	63 49.6 2312	50 43.0 2283	29 29.9 2310	27 55.7 2363
21	66 15.4 2363	65 35.3 2325	52 29.4 2298	31 15.6 2322	26 11.2 2389
19 UT	+Saturn	+Spica	+Zubenelgen	+Antares	–Nunki
0	67 20.7 2339	54 15.4 2312	33 1.1 2333	9 16.2 2559	24 27.4 2418
3	69 5.7 2353	56 1.1 2327	34 46.3 2346	10 56.0 2505	22 44.2 2451
6	70 50.4 2367	57 46.4 2342	36 31.1 2360	12 37.1 2477	21 1.9 2489
9	72 34.8 2382	59 31.4 2358	38 15.7 2374	14 18.8 2462	19 20.4 2533
12	74 18.8 2398	61 16.0 2374	39 59.9 2389	16 0.9 2458	17 40.0 2588
15	76 2.4 2413	63 0.2 2390	41 43.7 2404	17 43.1 2458	16 0.8 2655
18	77 45.6 2430	64 44.0 2406	43 27.2 2419	19 25.3 2463	14 23.1 2745
21	79 28.5 2446	66 27.4 2423	45 10.3 2435	21 7.4 2471	12 47.5 2866
20 UT	+Saturn	+Spica	+Zubenelgen	+Antares	–Venus
0	81 11.0 2462	68 10.4 2440	46 53.0 2450	22 49.3 2481	122 49.2 2869
3	82 53.1 2479	69 53.0 2457	48 35.4 2467	24 30.9 2493	121 16.2 2887
6	84 34.7 2496	71 35.2 2474	50 17.4 2483	26 12.3 2505	119 43.6 2904
9	86 16.0 2513	73 17.1 2491	51 59.0 2500	27 53.4 2519	118 11.4 2922
12	87 56.9 2531	74 58.5 2509	53 40.2 2517	29 34.2 2533	116 39.6 2941
15	89 37.4 2548	76 39.5 2526	55 21.0 2534	31 14.6 2548	115 8.1 2959
18	91 17.5 2566	78 20.1 2544	57 1.4 2551	32 54.7 2563	113 37.1 2978
21	92 57.2 2583	80 0.3 2561	58 41.4 2568	34 34.5 2578	112 6.4 2996
21 UT	+Spica	+Zubenelgen	+Antares	+Sabik	–Venus
0	81 40.1 2578	60 21.1 2585	36 13.9 2594	27 51.2 2749	110 36.1 3015
3	83 19.5 2596	62 0.3 2602	37 52.9 2610	29 26.7 2749	109 6.2 3033
6	84 58.5 2613	63 39.2 2620	39 31.6 2627	31 2.3 2753	107 36.7 3052
9	86 37.1 2630	65 17.6 2636	41 9.9 2643	32 37.8 2757	106 7.6 3071
12	88 15.3 2648	66 55.7 2654	42 47.8 2659	34 13.2 2764	104 38.8 3090
15	89 53.2 2665	68 33.4 2670	44 25.4 2675	35 48.4 2772	103 10.5 3107
18	91 30.6 2682	70 10.7 2687	46 2.6 2691	37 23.5 2781	101 42.5 3126
21	93 7.7 2699	71 47.7 2704	47 39.5 2707	38 58.3 2791	100 14.8 3144
22 UT	+Antares	+Sabik	+Nunki	–Venus	–Sun
0	49 15.9 2723	40 33.0 2801	17 20.4 2900	98 47.6 3162	121 53.3 3052
3	50 52.1 2739	42 7.4 2813	18 52.7 2888	97 20.7 3180	120 24.1 3069
6	52 27.9 2755	43 41.6 2824	20 25.3 2882	95 54.1 3198	118 55.4 3087
9	54 3.3 2770	45 15.5 2835	21 58.0 2880	94 27.9 3215	117 27.0 3104
12	55 38.4 2786	46 49.2 2847	23 30.7 2881	93 2.1 3231	115 58.9 3121
15	57 13.2 2801	48 22.6 2859	25 3.4 2885	91 36.6 3249	114 31.2 3137
18	58 47.6 2816	49 55.8 2871	26 36.1 2890	90 11.4 3266	113 3.8 3154
21	60 21.7 2830	51 28.7 2883	28 8.6 2896	88 46.5 3281	111 36.7 3169

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23 UT	+Antares	+Shaula	+Nunki	–Venus	–Sun
0	61 55.5 2844	49 28.3 3056	29 41.0 2904	87 22.0 3298	110 9.9 3185
3	63 29.0 2858	50 57.3 3061	31 13.2 2912	85 57.8 3313	108 43.5 3200
6	65 2.2 2872	52 26.3 3066	32 45.2 2921	84 33.8 3328	107 17.4 3215
9	66 35.1 2885	53 55.1 3072	34 17.1 2930	83 10.2 3344	105 51.5 3230
12	68 7.8 2898	55 23.8 3077	35 48.8 2939	81 46.9 3358	104 26.0 3244
15	69 40.1 2910	56 52.4 3083	37 20.2 2948	80 23.8 3371	103 0.7 3257
18	71 12.2 2923	58 20.9 3090	38 51.5 2958	79 1.0 3386	101 35.6 3271
21	72 44.0 2934	59 49.3 3097	40 22.6 2967	77 38.4 3399	100 10.9 3284
24 UT	+Antares	+Kaus Aust.	+Nunki	–Venus	–Sun
0	74 15.6 2946	50 41.3 3099	41 53.5 2976	76 16.1 3411	98 46.4 3295
3	75 46.9 2956	52 9.5 3103	43 24.2 2985	74 54.1 3423	97 22.1 3308
6	77 18.0 2967	53 37.5 3108	44 54.7 2994	73 32.3 3435	95 58.1 3319
9	78 48.9 2977	55 5.5 3113	46 25.0 3002	72 10.7 3446	94 34.3 3330
12	80 19.6 2987	56 33.4 3118	47 55.2 3010	70 49.3 3458	93 10.7 3340
15	81 50.1 2996	58 1.2 3122	49 25.2 3018	69 28.1 3468	91 47.2 3350
18	83 20.4 3005	59 28.9 3127	50 55.0 3026	68 7.1 3478	90 24.0 3360
21	84 50.5 3014	60 56.5 3132	52 24.7 3034	66 46.3 3488	89 1.0 3369
25 UT	+Antares	+Kaus Aust.	+Nunki	–Venus	–Sun
0	86 20.4 3021	62 24.0 3136	53 54.2 3040	65 25.7 3496	87 38.2 3377
3	87 50.2 3028	63 51.4 3141	55 23.6 3047	64 5.2 3505	86 15.4 3386
6	89 19.8 3036	65 18.8 3145	56 52.8 3053	62 44.9 3514	84 52.9 3393
9	90 49.3 3042	66 46.0 3148	58 21.9 3058	61 24.8 3520	83 30.5 3400
12	92 18.6 3048	68 13.2 3153	59 50.9 3064	60 4.8 3528	82 8.2 3407
15	93 47.8 3053	69 40.3 3156	61 19.8 3068	58 44.9 3534	80 46.1 3412
18	95 16.9 3059	71 7.3 3159	62 48.6 3073	57 25.1 3541	79 24.1 3418
21	96 45.9 3063	72 34.2 3162	64 17.3 3077	56 5.5 3546	78 2.1 3423
26 UT	+Shaula	+Kaus Aust.	+Nunki	–Venus	–Sun
0	84 32.5 3189	74 1.1 3165	65 45.9 3081	54 45.9 3552	76 40.3 3428
3	85 58.8 3192	75 28.0 3167	67 14.4 3084	53 26.5 3555	75 18.6 3431
6	87 25.1 3195	76 54.8 3169	68 42.9 3087	52 7.1 3560	73 56.9 3435
9	88 51.4 3197	78 21.6 3171	70 11.3 3089	50 47.8 3563	72 35.3 3437
12	90 17.6 3200	79 48.3 3172	71 39.7 3092	49 28.6 3567	71 13.7 3441
15	91 43.7 3202	81 15.0 3173	73 8.0 3093	48 9.4 3570	69 52.2 3442
18	93 9.8 3204	82 41.7 3174	74 36.3 3094	46 50.3 3572	68 30.7 3444
21	94 35.9 3205	84 8.3 3174	76 4.6 3095	45 31.3 3574	67 9.3 3444
27 UT	+Kaus Aust.	+Nunki	+Altair	–Venus	–Sun
0	85 35.0 3174	77 32.8 3095	59 28.7 3716	44 12.2 3576	65 47.9 3445
3	87 1.7 3174	79 1.1 3095	60 45.2 3698	42 53.2 3578	64 26.5 3445
6	88 28.3 3173	80 29.4 3094	62 2.0 3681	41 34.3 3578	63 5.0 3445
9	89 55.0 3173	81 57.6 3093	63 19.1 3664	40 15.3 3579	61 43.6 3444
12	91 21.7 3172	83 25.9 3092	64 36.5 3649	38 56.4 3580	60 22.2 3443
15	92 48.4 3170	84 54.2 3090	65 54.2 3634	37 37.4 3579	59 0.7 3441
18	94 15.1 3168	86 22.6 3088	67 12.2 3619	36 18.5 3579	57 39.2 3438
21	95 41.9 3167	87 51.0 3086	68 30.4 3606	34 59.6 3579	56 17.7 3436

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Nunki	+Altair	+Enif	-Venus	-Sun
0	89 19.4 3083	69 48.8 3593	41 51.7 3527	33 40.6 3579	54 56.1 3433
3	90 47.9 3080	71 7.5 3581	43 11.6 3499	32 21.7 3579	53 34.4 3430
6	92 16.5 3076	72 26.4 3569	44 32.0 3473	31 2.7 3578	52 12.7 3425
9	93 45.1 3072	73 45.6 3557	45 52.9 3448	29 43.8 3577	50 50.9 3421
12	95 13.8 3069	75 4.9 3546	47 14.3 3426	28 24.8 3578	49 29.1 3416
15	96 42.6 3064	76 24.5 3535	48 36.1 3404	27 5.8 3578	48 7.1 3412
18	98 11.5 3059	77 44.2 3524	49 58.3 3384	25 46.8 3579	46 45.1 3406
21	99 40.5 3054	79 4.2 3515	51 20.8 3365	24 27.9 3581	45 22.9 3401
29 UT	+Fomalhaut	+Enif	+Markab	-Venus	-Sun
0	54 51.2 3757	52 43.8 3346	32 39.4 3509	23 9.0 3583	44 0.7 3394
3	56 7.0 3726	54 7.1 3329	33 59.6 3468	21 50.1 3588	42 38.3 3388
6	57 23.3 3697	55 30.7 3312	35 20.6 3430	20 31.3 3593	41 15.8 3382
9	58 40.1 3669	56 54.6 3295	36 42.3 3396	19 12.6 3602	39 53.2 3375
12	59 57.4 3643	58 18.9 3280	38 4.6 3364	17 54.1 3615	38 30.4 3367
15	61 15.2 3618	59 43.5 3265	39 27.6 3335	16 35.8 3633	37 7.5 3361
18	62 33.5 3594	61 8.4 3249	40 51.1 3307	15 17.8 3656	35 44.5 3352
21	63 52.2 3571	62 33.5 3235	42 15.1 3282	14 0.3 3691	34 21.3 3344
30 UT	+Altair	+Fomalhaut	+Enif	+Markab	-Sun
0	91 11.4 3438	65 11.3 3549	63 59.0 3221	43 39.7 3259	32 58.0 3336
3	92 32.9 3431	66 30.7 3528	65 24.7 3208	45 4.7 3236	31 34.5 3328
6	93 54.6 3425	67 50.6 3508	66 50.7 3194	46 30.1 3215	30 10.9 3319
9	95 16.4 3419	69 10.9 3489	68 17.0 3181	47 55.9 3195	28 47.1 3311
12	96 38.3 3413	70 31.5 3470	69 43.5 3168	49 22.2 3175	27 23.1 3302
15	98 0.3 3408	71 52.4 3453	71 10.3 3155	50 48.8 3157	25 58.9 3293
18	99 22.4 3403	73 13.7 3436	72 37.3 3143	52 15.8 3139	24 34.6 3284
21	100 44.7 3400	74 35.3 3419	74 4.6 3131	53 43.2 3122	23 10.1 3275
31 UT	+Fomalhaut	+Enif	+Markab	+Diphda	-Sun
0	75 57.2 3404	75 32.1 3119	55 10.9 3105	50 4.3 3746	21 45.5 3266
3	77 19.3 3388	76 59.9 3107	56 38.9 3089	51 20.3 3701	20 20.6 3257
6	78 41.8 3374	78 27.9 3096	58 7.3 3074	52 37.0 3660	18 55.6 3248
9	80 4.6 3360	79 56.2 3084	59 36.0 3059	53 54.5 3620	17 30.4 3239
12	81 27.6 3347	81 24.6 3073	61 4.9 3044	55 12.7 3584	16 5.0 3231
15	82 50.9 3335	82 53.3 3062	62 34.2 3030	56 31.6 3549	14 39.5 3223
18	84 14.4 3322	84 22.3 3051	64 3.8 3016	57 51.1 3516	13 13.8 3217
21	85 38.2 3311	85 51.4 3041	65 33.7 3002	59 11.2 3486	11 48.0 3211