

APRIL 2011

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Antares	+Kaus Aust.	+Nunki	+Venus	–Sun
0	93 0.9 3078	68 51.6 3177	60 32.4 3092	8 58.1 4430	28 43.7 3522
3	94 29.5 3080	70 18.2 3176	62 0.7 3092	10 3.0 4226	27 23.7 3530
6	95 58.1 3081	71 44.8 3176	63 29.0 3093	11 11.0 4083	26 3.8 3539
9	97 26.6 3082	73 11.4 3175	64 57.3 3094	12 21.3 3981	24 44.2 3549
12	98 55.1 3083	74 38.0 3175	66 25.6 3095	13 33.2 3906	23 24.7 3561
15	100 23.6 3084	76 4.7 3174	67 53.8 3095	14 46.5 3849	22 5.4 3575
18	101 52.1 3084	77 31.3 3174	69 22.1 3095	16 0.6 3804	20 46.4 3591
21	103 20.6 3085	78 58.0 3173	70 50.3 3095	17 15.6 3769	19 27.6 3609
2 UT	+Shaula	+Kaus Aust.	+Nunki	+Venus	–Sun
0	90 53.2 3201	80 24.7 3173	72 18.6 3095	18 31.2 3741	18 9.2 3633
3	92 19.4 3201	81 51.4 3171	73 46.8 3094	19 47.2 3717	16 51.3 3662
6	93 45.5 3201	83 18.1 3171	75 15.1 3094	21 3.7 3698	15 33.8 3700
9	95 11.6 3201	84 44.8 3170	76 43.4 3093	22 20.5 3681	14 17.0 3748
12	96 37.7 3202	86 11.5 3169	78 11.7 3092	23 37.7 3667	13 1.1 3814
15	98 3.8 3201	87 38.3 3168	79 40.0 3091	24 55.0 3654	11 46.3 3904
18	99 29.9 3202	89 5.1 3167	81 8.3 3090	26 12.6 3644	10 33.1 4032
21	100 56.1 3202	90 31.9 3165	82 36.7 3089	27 30.4 3634	9 21.9 4225
5 UT	+Sun	–Aldebaran	–Elnath	–Betelgeuse	–Pollux
0	15 47.7 3599	40 55.7 3102	52 26.0 3055	61 32.2 3246	82 50.1 3081
3	17 6.2 3567	39 27.6 3103	50 56.9 3052	60 7.0 3249	81 21.5 3078
6	18 25.4 3539	37 59.5 3104	49 27.8 3049	58 41.8 3252	79 52.9 3074
9	19 45.1 3516	36 31.4 3106	47 58.6 3046	57 16.7 3255	78 24.3 3070
12	21 5.2 3496	35 3.4 3108	46 29.3 3043	55 51.6 3260	76 55.5 3066
15	22 25.6 3478	33 35.4 3111	45 0.0 3040	54 26.7 3264	75 26.7 3062
18	23 46.4 3462	32 7.5 3116	43 30.6 3037	53 1.8 3269	73 57.7 3058
21	25 7.5 3447	30 39.7 3121	42 1.2 3034	51 37.0 3275	72 28.7 3054
6 UT	+Sun	–Aldebaran	–Elnath	–Pollux	–Procyon
0	26 28.9 3434	29 11.9 3129	40 31.7 3031	70 59.6 3050	75 29.6 3119
3	27 50.5 3421	27 44.4 3137	39 2.1 3028	69 30.5 3045	74 1.8 3115
6	29 12.4 3410	26 17.0 3149	37 32.5 3026	68 1.2 3041	72 34.0 3112
9	30 34.5 3398	24 49.8 3163	36 2.9 3024	66 31.8 3036	71 6.1 3108
12	31 56.8 3387	23 22.9 3183	34 33.1 3022	65 2.4 3032	69 38.1 3105
15	33 19.3 3377	21 56.4 3207	33 3.4 3020	63 32.8 3028	68 10.1 3102
18	34 42.0 3365	20 30.4 3238	31 33.6 3019	62 3.2 3022	66 41.9 3098
21	36 4.9 3356	19 5.0 3278	30 3.8 3019	60 33.5 3018	65 13.7 3095
7 UT	+Sun	–Elnath	–Pollux	–Procyon	–Regulus
0	37 28.0 3345	28 34.0 3019	59 3.6 3013	63 45.5 3091	95 44.4 2955
3	38 51.4 3335	27 4.2 3021	57 33.7 3009	62 17.2 3089	94 13.3 2948
6	40 14.9 3324	25 34.4 3024	56 3.7 3004	60 48.8 3086	92 42.0 2941
9	41 38.6 3314	24 4.7 3029	54 33.6 3000	59 20.3 3083	91 10.5 2933
12	43 2.5 3304	22 35.1 3036	53 3.4 2995	57 51.9 3081	89 38.9 2925
15	44 26.6 3293	21 5.6 3048	51 33.1 2991	56 23.3 3079	88 7.1 2917
18	45 50.9 3282	19 36.4 3063	50 2.7 2986	54 54.7 3078	86 35.2 2908
21	47 15.4 3272	18 7.5 3085	48 32.2 2983	53 26.1 3076	85 3.1 2900

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8 UT	+Sun	–Pollux	–Procyon	–Alphard	–Regulus
0	48 40.2 3261	47 1.6 2979	51 57.5 3076	82 18.2 3095	83 30.8 2891
3	50 5.1 3250	45 31.0 2976	50 28.9 3076	80 50.0 3088	81 58.3 2882
6	51 30.3 3239	44 0.3 2973	49 0.2 3077	79 21.6 3080	80 25.6 2873
9	52 55.7 3227	42 29.5 2970	47 31.6 3078	77 53.0 3073	78 52.7 2863
12	54 21.3 3215	40 58.6 2968	46 3.0 3081	76 24.3 3066	77 19.6 2854
15	55 47.1 3204	39 27.8 2967	44 34.5 3085	74 55.5 3060	75 46.3 2844
18	57 13.2 3192	37 56.9 2967	43 6.0 3090	73 26.5 3053	74 12.8 2834
21	58 39.5 3179	36 26.0 2968	41 37.7 3096	71 57.4 3046	72 39.1 2823
9 UT	+Sun	–Pollux	–Procyon	–Alphard	–Regulus
0	60 6.0 3167	34 55.1 2970	40 9.4 3105	70 28.1 3040	71 5.2 2813
3	61 32.9 3154	33 24.3 2975	38 41.4 3116	68 58.8 3034	69 31.0 2802
6	62 59.9 3141	31 53.5 2981	37 13.6 3130	67 29.3 3029	67 56.6 2791
9	64 27.2 3128	30 22.9 2990	35 46.0 3147	65 59.7 3024	66 21.9 2780
12	65 54.8 3114	28 52.5 3003	34 18.8 3168	64 30.0 3018	64 47.0 2768
15	67 22.7 3100	27 22.4 3019	32 52.0 3193	63 0.1 3014	63 11.9 2757
18	68 50.8 3086	25 52.6 3041	31 25.8 3224	61 30.2 3010	61 36.5 2744
21	70 19.3 3072	24 23.2 3071	30 0.1 3263	60 0.2 3007	60 0.8 2733
10 UT	+Sun	+Aldebaran	+Elnath	–Regulus	–Saturn
0	71 48.0 3058	22 9.6 2909	10 38.2 3197	58 24.9 2721	101 50.3 2710
3	73 17.0 3043	23 41.7 2870	12 4.4 3067	56 48.7 2708	100 13.9 2697
6	74 46.3 3028	25 14.7 2836	13 33.3 2973	55 12.2 2696	98 37.2 2683
9	76 15.9 3013	26 48.4 2804	15 4.0 2901	53 35.5 2683	97 0.1 2669
12	77 45.8 2997	28 22.7 2775	16 36.3 2845	51 58.4 2670	95 22.8 2655
15	79 16.1 2982	29 57.7 2748	18 9.8 2798	50 21.1 2657	93 45.1 2640
18	80 46.7 2967	31 33.3 2723	19 44.3 2759	48 43.5 2645	92 7.1 2626
21	82 17.6 2950	33 9.4 2699	21 19.6 2724	47 5.6 2631	90 28.8 2612
11 UT	+Sun	+Aldebaran	+Elnath	–Regulus	–Saturn
0	83 48.8 2934	34 46.1 2677	22 55.8 2693	45 27.4 2618	88 50.2 2597
3	85 20.4 2918	36 23.3 2655	24 32.6 2665	43 48.9 2606	87 11.2 2582
6	86 52.4 2901	38 1.0 2633	26 10.0 2639	42 10.1 2593	85 31.9 2567
9	88 24.6 2884	39 39.1 2612	27 48.0 2615	40 31.1 2580	83 52.3 2552
12	89 57.3 2867	41 17.7 2592	29 26.6 2592	38 51.7 2568	82 12.3 2537
15	91 30.3 2851	42 56.8 2573	31 5.7 2570	37 12.0 2556	80 31.9 2522
18	93 3.6 2833	44 36.4 2552	32 45.3 2549	35 32.1 2544	78 51.2 2507
21	94 37.4 2816	46 16.4 2534	34 25.4 2528	33 51.9 2533	77 10.1 2491
12 UT	+Sun	+Aldebaran	+Elnath	–Saturn	–Spica
0	96 11.5 2799	47 56.8 2514	36 5.9 2508	75 28.7 2476	85 58.1 2463
3	97 45.9 2782	49 37.7 2496	37 46.9 2488	73 47.0 2461	84 16.0 2448
6	99 20.8 2764	51 19.0 2477	39 28.4 2469	72 4.8 2445	82 33.6 2431
9	100 56.0 2747	53 0.7 2459	41 10.4 2450	70 22.4 2431	80 50.8 2415
12	102 31.7 2729	54 42.9 2440	42 52.8 2431	68 39.5 2415	79 7.5 2399
15	104 7.7 2712	56 25.5 2422	44 35.6 2413	66 56.3 2400	77 24.0 2383
18	105 44.0 2695	58 8.5 2405	46 18.8 2395	65 12.8 2386	75 40.0 2367
21	107 20.8 2677	59 52.0 2387	48 2.5 2377	63 28.8 2371	73 55.6 2350

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13 UT	+Sun	+Aldebaran	+Elnath	-Saturn	-Spica
0	108 58.0 2661	61 35.9 2370	49 46.7 2359	61 44.6 2357	72 10.9 2335
3	110 35.5 2643	63 20.2 2352	51 31.2 2342	59 60.0 2343	70 25.7 2318
6	112 13.4 2626	65 4.9 2335	53 16.2 2324	58 15.0 2328	68 40.2 2302
9	113 51.7 2610	66 50.0 2319	55 1.6 2308	56 29.7 2315	66 54.3 2287
12	115 30.4 2593	68 35.6 2302	56 47.3 2291	54 44.1 2302	65 8.0 2271
15	117 9.5 2577	70 21.5 2285	58 33.5 2274	52 58.2 2289	63 21.3 2256
18	118 48.9 2561	72 7.8 2269	60 20.2 2258	51 12.0 2277	61 34.2 2241
21	120 28.7 2545	73 54.6 2253	62 7.2 2242	49 25.4 2266	59 46.8 2226
14 UT	+Aldebaran	+Elnath	+Pollux	-Saturn	-Spica
0	75 41.7 2238	63 54.6 2227	34 22.6 2372	47 38.6 2255	57 59.0 2211
3	77 29.2 2223	65 42.3 2212	36 6.8 2344	45 51.5 2245	56 10.8 2197
6	79 17.1 2208	67 30.5 2197	37 51.7 2318	44 4.2 2236	54 22.3 2182
9	81 5.3 2194	69 19.0 2182	39 37.3 2294	42 16.6 2228	52 33.4 2169
12	82 53.9 2180	71 7.9 2168	41 23.4 2271	40 28.9 2222	50 44.2 2156
15	84 42.8 2166	72 57.2 2154	43 10.1 2249	38 41.0 2216	48 54.6 2143
18	86 32.1 2154	74 46.8 2142	44 57.3 2230	36 52.9 2212	47 4.7 2130
21	88 21.7 2141	76 36.7 2129	46 45.0 2211	35 4.8 2211	45 14.5 2118
15 UT	+Pollux	+Procyon	-Saturn	-Spica	-Antares
0	48 33.2 2193	45 11.9 2336	33 16.6 2212	43 24.0 2106	88 55.7 2105
3	50 21.8 2177	46 57.0 2311	31 28.5 2216	41 33.2 2096	87 4.9 2094
6	52 10.9 2161	48 42.7 2287	29 40.4 2223	39 42.1 2085	85 13.7 2083
9	54 0.3 2147	50 29.1 2266	27 52.5 2235	37 50.8 2076	83 22.3 2073
12	55 50.1 2133	52 15.9 2246	26 5.0 2252	35 59.2 2067	81 30.6 2062
15	57 40.2 2121	54 3.2 2227	24 17.8 2277	34 7.4 2059	79 38.7 2053
18	59 30.6 2110	55 51.0 2211	22 31.3 2312	32 15.3 2052	77 46.5 2045
21	61 21.4 2099	57 39.1 2195	20 45.6 2360	30 23.1 2045	75 54.1 2036
16 UT	+Pollux	+Procyon	+Regulus	-Spica	-Antares
0	63 12.4 2089	59 27.7 2182	26 9.9 2104	28 30.7 2039	74 1.5 2029
3	65 3.6 2080	61 16.6 2169	28 0.7 2088	26 38.2 2035	72 8.7 2023
6	66 55.1 2072	63 5.8 2158	29 52.0 2074	24 45.5 2032	70 15.8 2016
9	68 46.8 2065	64 55.3 2148	31 43.7 2062	22 52.8 2030	68 22.6 2011
12	70 38.7 2059	66 45.1 2139	33 35.6 2051	21 0.0 2031	66 29.4 2007
15	72 30.7 2053	68 35.1 2131	35 27.9 2042	19 7.3 2033	64 36.0 2003
18	74 22.9 2049	70 25.3 2124	37 20.3 2035	17 14.6 2039	62 42.5 1999
21	76 15.1 2045	72 15.6 2119	39 13.0 2029	15 22.1 2050	60 48.9 1997
17 UT	+Pollux	+Procyon	+Regulus	-Antares	-Shaula
0	78 7.5 2043	74 6.1 2115	41 5.8 2024	58 55.3 1996	73 17.1 2125
3	79 60.0 2041	75 56.7 2111	42 58.7 2020	57 1.6 1995	71 26.8 2127
6	81 52.5 2040	77 47.4 2109	44 51.7 2018	55 7.9 1995	69 36.5 2130
9	83 45.0 2040	79 38.1 2108	46 44.8 2016	53 14.2 1996	67 46.3 2134
12	85 37.5 2041	81 28.9 2108	48 38.0 2016	51 20.6 1998	65 56.2 2140
15	87 30.0 2043	83 19.7 2109	50 31.1 2016	49 27.0 2000	64 6.2 2147
18	89 22.4 2046	85 10.4 2111	52 24.3 2017	47 33.4 2004	62 16.4 2155
21	91 14.8 2049	87 1.1 2114	54 17.4 2019	45 40.0 2009	60 26.9 2165

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18 UT	+Regulus	−Antares	−Sabik	−Kaus Aust.	−Nunki
0	56 10.4 2023	43 46.6 2014	53 17.0 2063	68 48.2 2109	76 19.9 2016
3	58 3.4 2027	41 53.4 2020	51 25.1 2072	66 57.4 2117	74 26.8 2021
6	59 56.2 2032	40 0.4 2027	49 33.4 2081	65 6.9 2127	72 33.8 2027
9	61 49.0 2038	38 7.5 2035	47 41.9 2092	63 16.6 2137	70 40.9 2035
12	63 41.6 2044	36 14.9 2044	45 50.8 2105	61 26.6 2149	68 48.3 2042
15	65 34.0 2051	34 22.5 2054	43 59.9 2118	59 36.8 2162	66 55.8 2051
18	67 26.2 2060	32 30.3 2065	42 9.4 2133	57 47.4 2176	65 3.6 2060
21	69 18.2 2068	30 38.4 2077	40 19.3 2150	55 58.4 2191	63 11.6 2070
19 UT	+Regulus	+Saturn	+Spica	−Antares	−Nunki
0	71 10.0 2078	29 1.4 2195	17 7.5 2099	28 46.9 2091	61 19.8 2081
3	73 1.5 2088	30 50.0 2189	18 58.5 2102	26 55.7 2106	59 28.4 2092
6	74 52.8 2099	32 38.7 2187	20 49.5 2109	25 4.9 2123	57 37.2 2105
9	76 43.8 2111	34 27.5 2187	22 40.2 2116	23 14.5 2141	55 46.3 2117
12	78 34.5 2123	36 16.2 2189	24 30.7 2126	21 24.6 2163	53 55.8 2131
15	80 24.9 2136	38 5.0 2195	26 21.1 2137	19 35.2 2188	52 5.6 2146
18	82 15.0 2149	39 53.5 2201	28 11.1 2148	17 46.4 2217	50 15.8 2161
21	84 4.7 2163	41 42.0 2209	30 0.9 2161	15 58.4 2252	48 26.4 2177
20 UT	+Gienah	+Saturn	+Spica	−Nunki	−Venus
0	45 58.3 2278	43 30.2 2218	31 50.3 2174	46 37.4 2193	122 35.4 2579
3	47 44.9 2286	45 18.2 2228	33 39.4 2188	44 48.8 2210	120 56.0 2594
6	49 31.2 2296	47 6.0 2240	35 28.1 2203	43 0.6 2229	119 17.0 2610
9	51 17.3 2307	48 53.4 2252	37 16.5 2218	41 12.8 2247	117 38.3 2626
12	53 3.1 2318	50 40.6 2265	39 4.5 2233	39 25.6 2267	115 60.0 2643
15	54 48.6 2331	52 27.4 2278	40 52.1 2249	37 38.8 2288	114 22.1 2661
18	56 33.8 2345	54 13.9 2293	42 39.4 2266	35 52.5 2309	112 44.5 2679
21	58 18.7 2359	56 0.1 2308	44 26.2 2283	34 6.7 2331	111 7.4 2697
21 UT	+Saturn	+Spica	+Zubenelgen	−Nunki	−Venus
0	57 45.9 2323	46 12.6 2300	25 2.0 2338	32 21.5 2354	109 30.7 2716
3	59 31.3 2340	47 58.5 2318	26 47.1 2351	30 36.8 2379	107 54.4 2735
6	61 16.3 2356	49 44.1 2336	28 31.8 2365	28 52.8 2405	106 18.5 2754
9	63 0.9 2373	51 29.2 2354	30 16.2 2380	27 9.3 2434	104 43.0 2774
12	64 45.1 2390	53 13.9 2372	32 0.3 2395	25 26.6 2464	103 8.0 2794
15	66 28.9 2408	54 58.1 2391	33 44.0 2412	23 44.5 2497	101 33.4 2814
18	68 12.3 2425	56 41.9 2409	35 27.3 2428	22 3.2 2534	99 59.3 2834
21	69 55.3 2443	58 25.3 2428	37 10.2 2445	20 22.8 2576	98 25.6 2855
22 UT	+Saturn	+Spica	+Zubenelgen	+Antares	−Venus
0	71 37.9 2461	60 8.2 2447	38 52.7 2463	14 53.0 2539	96 52.3 2876
3	73 20.0 2479	61 50.6 2465	40 34.8 2480	16 33.3 2540	95 19.5 2897
6	75 1.7 2497	63 32.6 2484	42 16.4 2498	18 13.6 2546	93 47.2 2917
9	76 42.9 2516	65 14.2 2504	43 57.7 2516	19 53.7 2555	92 15.2 2938
12	78 23.8 2534	66 55.3 2522	45 38.5 2534	21 33.7 2566	90 43.7 2959
15	80 4.2 2553	68 36.0 2541	47 19.0 2552	23 13.4 2579	89 12.7 2980
18	81 44.2 2571	70 16.3 2560	48 59.0 2570	24 52.7 2593	87 42.0 3001
21	83 23.7 2589	71 56.1 2578	50 38.6 2588	26 31.8 2607	86 11.9 3021

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23 UT	+Spica	+Zubenelgen	+Antares	–Venus	–Sun
0	73 35.5 2596	52 17.7 2605	28 10.6 2622	84 42.1 3042	114 57.5 2939
3	75 14.5 2615	53 56.5 2624	29 49.0 2638	83 12.8 3062	113 26.0 2959
6	76 53.1 2633	55 34.9 2641	31 27.0 2653	81 43.8 3083	111 55.0 2978
9	78 31.3 2651	57 12.9 2659	33 4.7 2670	80 15.3 3103	110 24.3 2997
12	80 9.0 2669	58 50.4 2676	34 42.1 2685	78 47.3 3122	108 54.0 3016
15	81 46.4 2686	60 27.6 2693	36 19.0 2702	77 19.6 3143	107 24.2 3035
18	83 23.3 2703	62 4.4 2710	37 55.7 2718	75 52.3 3162	105 54.7 3053
21	84 59.9 2720	63 40.9 2727	39 31.9 2733	74 25.4 3181	104 25.6 3071
24 UT	+Spica	+Antares	+Sabik	–Venus	–Sun
0	86 36.1 2737	41 7.8 2749	32 38.8 2868	72 58.9 3200	102 56.9 3089
3	88 11.9 2754	42 43.4 2765	34 11.8 2874	71 32.7 3220	101 28.5 3107
6	89 47.4 2770	44 18.6 2780	35 44.6 2881	70 7.0 3237	100 0.5 3124
9	91 22.5 2786	45 53.5 2795	37 17.3 2888	68 41.5 3256	98 32.8 3141
12	92 57.3 2801	47 28.1 2809	38 49.9 2897	67 16.5 3273	97 5.5 3158
15	94 31.7 2816	49 2.3 2824	40 22.2 2906	65 51.8 3291	95 38.5 3174
18	96 5.8 2831	50 36.3 2838	41 54.4 2915	64 27.4 3308	94 11.8 3189
21	97 39.6 2845	52 9.9 2852	43 26.4 2924	63 3.4 3325	92 45.5 3205
25 UT	+Antares	+Shaula	+Nunki	–Venus	–Sun
0	53 43.2 2866	41 40.7 3143	21 36.9 2973	61 39.7 3342	91 19.5 3220
3	55 16.2 2879	43 8.0 3140	23 7.7 2972	60 16.3 3357	89 53.7 3235
6	56 49.0 2892	44 35.4 3139	24 38.5 2975	58 53.3 3374	88 28.3 3250
9	58 21.5 2904	46 2.7 3139	26 9.2 2977	57 30.5 3389	87 3.1 3263
12	59 53.7 2917	47 30.1 3139	27 39.9 2982	56 8.0 3404	85 38.2 3277
15	61 25.6 2928	48 57.4 3141	29 10.5 2987	54 45.8 3419	84 13.5 3289
18	62 57.3 2940	50 24.8 3143	30 40.9 2993	53 23.9 3433	82 49.2 3302
21	64 28.8 2951	51 52.1 3145	32 11.3 2999	52 2.3 3447	81 25.0 3314
26 UT	+Antares	+Kaus Aust.	+Nunki	–Venus	–Sun
0	66 0.0 2961	42 43.5 3159	33 41.5 3005	50 40.9 3461	80 1.1 3325
3	67 31.1 2971	44 10.5 3158	35 11.6 3011	49 19.8 3474	78 37.4 3337
6	69 1.9 2981	45 37.5 3158	36 41.6 3018	47 58.9 3488	77 13.9 3347
9	70 32.5 2990	47 4.5 3159	38 11.4 3025	46 38.3 3500	75 50.7 3358
12	72 2.9 2999	48 31.4 3160	39 41.1 3031	45 17.9 3513	74 27.6 3367
15	73 33.1 3007	49 58.4 3161	41 10.7 3037	43 57.8 3526	73 4.7 3377
18	75 3.2 3015	51 25.3 3162	42 40.1 3043	42 37.8 3538	71 42.0 3385
21	76 33.1 3023	52 52.2 3164	44 9.4 3049	41 18.1 3550	70 19.5 3394
27 UT	+Antares	+Kaus Aust.	+Nunki	–Venus	–Sun
0	78 2.8 3030	54 19.0 3166	45 38.6 3055	39 58.7 3562	68 57.1 3402
3	79 32.4 3037	55 45.9 3167	47 7.7 3060	38 39.4 3574	67 34.8 3409
6	81 1.8 3043	57 12.7 3169	48 36.7 3065	37 20.4 3586	66 12.7 3417
9	82 31.1 3049	58 39.4 3171	50 5.5 3069	36 1.5 3597	64 50.8 3423
12	84 0.3 3054	60 6.1 3173	51 34.3 3074	34 42.9 3609	63 29.0 3429
15	85 29.4 3059	61 32.8 3175	53 3.0 3078	33 24.5 3623	62 7.2 3435
18	86 58.4 3064	62 59.5 3176	54 31.6 3082	32 6.4 3635	60 45.6 3440
21	88 27.3 3069	64 26.1 3178	56 0.1 3085	30 48.4 3648	59 24.1 3445

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28 UT	+Antares	+Kaus Aust.	+Nunki	-Venus	-Sun
0	89 56.1 3072	65 52.7 3178	57 28.6 3088	29 30.8 3662	58 2.7 3449
3	91 24.8 3076	67 19.2 3180	58 57.0 3091	28 13.3 3678	56 41.4 3454
6	92 53.4 3079	68 45.8 3181	60 25.3 3094	26 56.1 3694	55 20.1 3458
9	94 22.0 3081	70 12.3 3181	61 53.6 3095	25 39.2 3712	53 58.9 3460
12	95 50.5 3084	71 38.8 3182	63 21.8 3097	24 22.7 3733	52 37.8 3463
15	97 19.0 3086	73 5.3 3182	64 50.0 3099	23 6.5 3755	51 16.7 3466
18	98 47.5 3087	74 31.8 3182	66 18.2 3100	21 50.7 3782	49 55.7 3468
21	100 15.9 3088	75 58.3 3182	67 46.4 3100	20 35.3 3813	48 34.7 3469
29 UT	+Shaula	+Kaus Aust.	+Nunki	-Venus	-Sun
0	87 54.8 3209	77 24.8 3182	69 14.5 3101	19 20.5 3850	47 13.8 3472
3	89 20.7 3209	78 51.3 3181	70 42.6 3101	18 6.4 3895	45 52.8 3472
6	90 46.7 3209	80 17.9 3181	72 10.8 3101	16 52.9 3951	44 31.9 3473
9	92 12.7 3209	81 44.4 3180	73 38.9 3101	15 40.5 4021	43 11.0 3474
12	93 38.6 3209	83 10.9 3178	75 7.0 3100	14 29.2 4112	41 50.2 3474
15	95 4.6 3209	84 37.5 3178	76 35.2 3099	13 19.4 4232	40 29.3 3474
18	96 30.5 3208	86 4.1 3176	78 3.3 3097	12 11.4 4393	39 8.4 3474
21	97 56.5 3208	87 30.7 3174	79 31.5 3096	11 6.0 4616	37 47.5 3474
30 UT	+Kaus Aust.	+Nunki	+Altair	+Enif	-Sun
0	88 57.4 3173	80 59.8 3094	62 32.4 3682	34 35.9 3752	36 26.7 3473
3	90 24.1 3171	82 28.0 3092	63 49.5 3665	35 51.7 3704	35 5.8 3473
6	91 50.8 3168	83 56.3 3090	65 6.9 3648	37 8.4 3659	33 44.9 3472
9	93 17.6 3166	85 24.7 3087	66 24.6 3633	38 25.9 3620	32 23.9 3471
12	94 44.4 3164	86 53.1 3084	67 42.6 3618	39 44.1 3584	31 3.0 3470
15	96 11.2 3162	88 21.6 3082	69 0.8 3605	41 3.0 3552	29 42.1 3470
18	97 38.1 3159	89 50.1 3078	70 19.3 3591	42 22.4 3521	28 21.1 3469
21	99 5.1 3156	91 18.7 3075	71 38.0 3578	43 42.4 3493	27 0.1 3468