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1 UT	+Sun	–Spica	–Mars	–Saturn	–Antares
0	55 15.2 3355	20 6.4 3003	29 12.8 3185	42 58.2 2979	65 59.4 3029
3	56 38.3 3345	18 36.3 3000	27 46.3 3178	41 27.6 2971	64 29.8 3022
6	58 1.6 3335	17 6.1 2998	26 19.7 3171	39 56.8 2963	63 0.1 3015
9	59 25.1 3325	15 35.9 2998	24 53.0 3164	38 25.8 2954	61 30.2 3008
12	60 48.8 3315	14 5.6 3001	23 26.2 3157	36 54.6 2945	60 0.2 3001
15	62 12.7 3304	12 35.4 3009	21 59.2 3150	35 23.3 2935	58 30.0 2993
18	63 36.8 3293	11 5.4 3024	20 32.0 3143	33 51.7 2926	56 59.6 2985
21	65 1.1 3281	9 35.7 3054	19 4.7 3137	32 20.0 2916	55 29.1 2978
2 UT	+Sun	–Mars	–Saturn	–Antares	–Sabik
0	66 25.7 3269	17 37.3 3131	30 48.0 2905	53 58.5 2970	62 24.8 2905
3	67 50.5 3257	16 9.8 3127	29 15.8 2894	52 27.6 2962	60 52.6 2895
6	69 15.5 3245	14 42.2 3126	27 43.4 2883	50 56.6 2955	59 20.2 2884
9	70 40.8 3231	13 14.6 3126	26 10.7 2871	49 25.5 2946	57 47.5 2872
12	72 6.3 3218	11 47.0 3133	24 37.8 2859	47 54.2 2939	56 14.6 2861
15	73 32.1 3204	10 19.5 3148	23 4.6 2846	46 22.7 2930	54 41.5 2848
18	74 58.2 3190	8 52.3 3181	21 31.1 2834	44 51.0 2923	53 8.1 2836
21	76 24.5 3176	7 25.8 3248	19 57.4 2822	43 19.2 2916	51 34.4 2824
3 UT	+Sun	–Antares	–Sabik	–Kaus Aust.	–Nunki
0	77 51.1 3161	41 47.3 2909	50 0.5 2811	67 24.2 3003	74 12.1 2852
3	79 18.0 3146	40 15.1 2903	48 26.2 2798	65 54.1 2995	72 38.8 2839
6	80 45.3 3130	38 42.9 2897	46 51.7 2784	64 23.7 2986	71 5.2 2826
9	82 12.8 3115	37 10.5 2892	45 16.9 2770	62 53.2 2978	69 31.3 2813
12	83 40.7 3099	35 38.0 2888	43 41.8 2756	61 22.6 2970	67 57.1 2799
15	85 8.8 3083	34 5.5 2885	42 6.4 2742	59 51.7 2962	66 22.6 2786
18	86 37.3 3065	32 32.9 2884	40 30.7 2727	58 20.8 2955	64 47.9 2772
21	88 6.2 3049	31 0.2 2885	38 54.6 2713	56 49.6 2949	63 12.8 2758
4 UT	+Sun	–Sabik	–Kaus Aust.	–Nunki	–Altair
0	89 35.4 3031	37 18.3 2698	55 18.3 2943	61 37.4 2744	81 11.5 3097
3	91 4.9 3013	35 41.6 2683	53 46.9 2937	60 1.8 2730	79 43.3 3085
6	92 34.9 2996	34 4.5 2668	52 15.4 2933	58 25.8 2716	78 14.8 3074
9	94 5.1 2978	32 27.2 2654	50 43.8 2930	56 49.5 2702	76 46.2 3063
12	95 35.8 2960	30 49.5 2639	49 12.1 2928	55 12.8 2688	75 17.3 3053
15	97 6.8 2941	29 11.5 2624	47 40.4 2928	53 35.9 2673	73 48.1 3043
18	98 38.3 2923	27 33.1 2610	46 8.7 2930	51 58.7 2660	72 18.8 3034
21	100 10.1 2904	25 54.4 2596	44 37.0 2933	50 21.1 2646	70 49.3 3025
5 UT	+Sun	+Mars	–Kaus Aust.	–Nunki	–Altair
0	101 42.3 2885	19 15.3 2757	43 5.4 2939	48 43.2 2632	69 19.6 3018
3	103 14.9 2866	20 50.7 2735	41 34.0 2948	47 5.1 2619	67 49.8 3012
6	104 48.0 2847	22 26.6 2713	40 2.7 2960	45 26.6 2607	66 19.8 3006
9	106 21.4 2827	24 3.0 2692	38 31.6 2977	43 47.9 2595	64 49.8 3002
12	107 55.3 2808	25 39.8 2672	37 0.9 2999	42 8.8 2584	63 19.6 2999
15	109 29.5 2788	27 17.1 2651	35 30.7 3026	40 29.6 2573	61 49.4 2998
18	111 4.3 2769	28 54.8 2631	34 1.0 3060	38 50.0 2564	60 19.1 2999
21	112 39.4 2750	30 33.1 2610	32 32.1 3104	37 10.3 2556	58 48.9 3001

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6 UT	+Mars	−Altair	−Enif	−Fomalhaut	−Markab
0	32 11.7 2591	57 18.7 3006	83 22.0 2627	87 51.7 2823	103 42.5 2604
3	33 50.8 2571	55 48.6 3013	81 43.7 2610	86 17.7 2806	102 3.7 2582
6	35 30.4 2551	54 18.7 3023	80 5.0 2595	84 43.4 2791	100 24.4 2562
9	37 10.4 2531	52 49.0 3036	78 26.0 2579	83 8.8 2775	98 44.6 2542
12	38 50.9 2512	51 19.5 3053	76 46.6 2565	81 33.8 2761	97 4.4 2522
15	40 31.8 2493	49 50.4 3073	75 6.9 2550	79 58.5 2748	95 23.7 2504
18	42 13.2 2474	48 21.7 3099	73 26.9 2537	78 22.9 2736	93 42.5 2485
21	43 55.0 2456	46 53.6 3130	71 46.5 2525	76 47.0 2724	92 1.0 2467
7 UT	+Mars	+Sabik	−Enif	−Fomalhaut	−Markab
0	45 37.3 2437	4 34.7 3105	70 5.9 2513	75 10.9 2714	90 19.0 2449
3	47 19.9 2419	6 2.8 2703	68 25.0 2502	73 34.6 2705	88 36.6 2432
6	49 3.1 2401	7 39.3 2511	66 43.8 2492	71 58.0 2698	86 53.8 2416
9	50 46.6 2384	9 20.3 2402	65 2.4 2484	70 21.3 2692	85 10.6 2400
12	52 30.6 2366	11 3.8 2330	63 20.8 2476	68 44.5 2688	83 27.0 2385
15	54 14.9 2350	12 49.0 2280	61 39.0 2470	67 7.6 2685	81 43.1 2371
18	55 59.7 2334	14 35.5 2241	59 57.1 2466	65 30.6 2685	79 58.8 2358
21	57 44.9 2318	16 23.0 2209	58 15.1 2463	63 53.6 2687	78 14.2 2345
8 UT	+Mars	+Sabik	−Enif	−Fomalhaut	−Markab
0	59 30.4 2302	18 11.2 2182	56 33.0 2462	62 16.6 2690	76 29.4 2334
3	61 16.3 2287	20 0.1 2159	54 51.0 2463	60 39.8 2696	74 44.2 2323
6	63 2.6 2273	21 49.6 2138	53 8.9 2467	59 3.0 2705	72 58.8 2313
9	64 49.3 2259	23 39.6 2119	51 26.9 2473	57 26.5 2718	71 13.1 2304
12	66 36.3 2245	25 30.1 2102	49 45.1 2482	55 50.2 2733	69 27.2 2297
15	68 23.6 2233	27 21.0 2086	48 3.4 2495	54 14.3 2753	67 41.2 2291
18	70 11.2 2221	29 12.3 2071	46 22.1 2511	52 38.8 2776	65 55.0 2286
21	71 59.1 2209	31 4.0 2058	44 41.2 2532	51 3.9 2805	64 8.7 2283
9 UT	+Mars	+Nunki	−Enif	−Fomalhaut	−Markab
0	73 47.4 2198	12 7.3 3286	43 0.7 2557	49 29.5 2839	62 22.2 2281
3	75 35.8 2188	13 31.8 2971	41 20.8 2589	47 55.9 2879	60 35.8 2281
6	77 24.6 2179	15 2.6 2753	39 41.6 2628	46 23.2 2927	58 49.3 2282
9	79 13.6 2170	16 38.1 2596	38 3.4 2674	44 51.4 2982	57 2.9 2286
12	81 2.8 2163	18 17.1 2480	36 26.1 2730	43 20.8 3045	55 16.6 2292
15	82 52.1 2155	19 58.8 2391	34 50.1 2797	41 51.6 3120	53 30.4 2300
18	84 41.7 2149	21 42.5 2322	33 15.6 2878	40 23.8 3207	51 44.5 2311
21	86 31.4 2143	23 28.0 2268	31 42.9 2976	38 57.8 3309	49 58.7 2324
10 UT	+Antares	+Kaus Aust.	+Nunki	−Markab	−Hamal
0	57 12.0 2032	34 52.1 2509	25 14.7 2224	48 13.3 2341	90 33.0 2054
3	59 4.7 2026	36 33.1 2459	27 2.6 2189	46 28.4 2362	88 40.9 2050
6	60 57.6 2020	38 15.3 2415	28 51.3 2160	44 43.9 2386	86 48.6 2047
9	62 50.6 2016	39 58.5 2379	30 40.8 2137	42 60.0 2416	84 56.3 2046
12	64 43.8 2013	41 42.6 2347	32 30.8 2117	41 16.8 2451	83 3.9 2045
15	66 37.0 2011	43 27.4 2319	34 21.3 2102	39 34.4 2491	81 11.5 2045
18	68 30.3 2009	45 12.9 2296	36 12.3 2089	37 53.0 2540	79 19.1 2046
21	70 23.6 2009	46 59.0 2276	38 3.5 2079	36 12.7 2597	77 26.7 2048

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11 UT	+Antares	+Rasalhague	+Kaus Aust.	+Nunki	–Hamal
0	72 16.9 2009	62 38.6 2856	48 45.5 2260	39 55.0 2071	75 34.4 2052
3	74 10.2 2011	64 11.8 2830	50 32.5 2247	41 46.7 2066	73 42.2 2056
6	76 3.5 2013	65 45.6 2807	52 19.8 2235	43 38.6 2062	71 50.1 2061
9	77 56.7 2017	67 19.9 2788	54 7.4 2227	45 30.6 2060	69 58.1 2068
12	79 49.8 2021	68 54.6 2772	55 55.1 2221	47 22.5 2060	68 6.3 2075
15	81 42.8 2026	70 29.7 2759	57 43.1 2216	49 14.6 2060	66 14.7 2084
18	83 35.7 2033	72 5.1 2749	59 31.1 2213	51 6.6 2063	64 23.4 2094
21	85 28.4 2039	73 40.6 2741	61 19.2 2212	52 58.5 2066	62 32.2 2105
12 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	75 16.4 2736	63 7.4 2213	54 50.3 2070	42 1.4 2996	93 17.3 2002
3	76 52.3 2733	64 55.5 2215	56 42.1 2076	43 31.6 2938	91 23.8 2011
6	78 28.2 2732	66 43.6 2218	58 33.7 2083	45 3.1 2887	89 30.6 2020
9	80 4.1 2734	68 31.6 2224	60 25.1 2090	46 35.7 2844	87 37.5 2030
12	81 40.0 2738	70 19.4 2230	62 16.3 2099	48 9.2 2808	85 44.8 2041
15	83 15.8 2743	72 7.2 2237	64 7.3 2108	49 43.5 2777	83 52.3 2052
18	84 51.5 2751	73 54.7 2245	65 58.1 2119	51 18.5 2752	82 0.0 2064
21	86 27.1 2761	75 42.0 2255	67 48.6 2129	52 54.0 2731	80 8.2 2076
13 UT	+Shaula	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	87 54.1 2314	77 29.1 2265	69 38.8 2141	54 29.9 2714	78 16.6 2089
3	89 39.7 2327	79 15.9 2277	71 28.7 2154	56 6.3 2701	76 25.3 2103
6	91 25.1 2342	81 2.5 2289	73 18.3 2166	57 42.9 2691	74 34.4 2117
9	93 10.0 2357	82 48.7 2302	75 7.6 2180	59 19.8 2684	72 43.9 2131
12	94 54.6 2373	84 34.7 2316	76 56.6 2194	60 56.8 2679	70 53.7 2146
15	96 38.8 2391	86 20.3 2331	78 45.2 2209	62 33.9 2677	69 3.9 2162
18	98 22.6 2408	88 5.5 2346	80 33.4 2224	64 11.1 2677	67 14.5 2178
21	100 6.0 2427	89 50.3 2362	82 21.2 2240	65 48.2 2679	65 25.5 2194
14 UT	+Kaus Aust.	+Nunki	+Altair	+Enif	–Venus
0	91 34.8 2379	84 8.7 2256	67 25.3 2683	39 32.3 2786	115 23.8 2618
3	93 18.9 2397	85 55.7 2273	69 2.4 2689	41 7.0 2763	113 45.3 2637
6	95 2.5 2415	87 42.4 2290	70 39.3 2695	42 42.3 2744	112 7.3 2655
9	96 45.7 2433	89 28.6 2307	72 16.0 2704	44 18.0 2730	110 29.6 2673
12	98 28.5 2453	91 14.4 2325	73 52.6 2714	45 53.9 2721	108 52.3 2692
15	100 10.8 2472	92 59.7 2343	75 29.0 2724	47 30.1 2714	107 15.5 2711
18	101 52.7 2493	94 44.7 2362	77 5.1 2736	49 6.5 2710	105 39.1 2731
21	103 34.1 2514	96 29.2 2380	78 40.9 2749	50 42.9 2709	104 3.1 2750
15 UT	+Enif	+Fomalhaut	+Markab	–Venus	–Sun
0	52 19.4 2709	50 17.3 3098	32 54.9 3058	102 27.6 2770	121 16.9 2677
3	53 55.8 2712	51 45.5 3081	34 23.9 3017	100 52.5 2790	119 39.7 2696
6	55 32.2 2716	53 14.0 3068	35 53.8 2982	99 17.8 2810	118 3.0 2715
9	57 8.5 2722	54 42.9 3058	37 24.3 2956	97 43.6 2831	116 26.6 2735
12	58 44.7 2729	56 11.9 3050	38 55.5 2934	96 9.8 2851	114 50.8 2754
15	60 20.7 2737	57 41.0 3046	40 27.0 2918	94 36.4 2871	113 15.3 2774
18	61 56.5 2747	59 10.3 3043	41 59.0 2906	93 3.5 2891	111 40.3 2793
21	63 32.1 2757	60 39.6 3042	43 31.1 2897	91 31.0 2911	110 5.7 2813

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16 UT	+Enif	+Fomalhaut	+Markab	–Venus	–Sun
0	65 7.5 2767	62 8.9 3043	45 3.5 2891	89 59.0 2932	108 31.5 2832
3	66 42.7 2779	63 38.2 3045	46 36.0 2888	88 27.3 2951	106 57.7 2851
6	68 17.6 2791	65 7.5 3050	48 8.5 2887	86 56.1 2972	105 24.4 2871
9	69 52.3 2803	66 36.7 3055	49 41.1 2888	85 25.3 2992	103 51.4 2889
12	71 26.7 2816	68 5.8 3060	51 13.7 2890	83 55.0 3011	102 18.9 2908
15	73 0.8 2830	69 34.7 3068	52 46.2 2894	82 25.0 3031	100 46.8 2927
18	74 34.6 2843	71 3.5 3076	54 18.6 2899	80 55.4 3050	99 15.0 2946
21	76 8.1 2857	72 32.2 3084	55 51.0 2905	79 26.3 3070	97 43.7 2964
17 UT	+Markab	–Elnath	–Betelgeuse	–Venus	–Sun
0	57 23.2 2912	35 45.7 2842	42 44.9 2832	77 57.5 3089	96 12.8 2982
3	58 55.2 2919	34 12.1 2877	41 11.1 2862	76 29.1 3108	94 42.2 3001
6	60 27.1 2927	32 39.3 2913	39 38.0 2893	75 1.1 3126	93 12.0 3018
9	61 58.8 2936	31 7.3 2954	38 5.5 2926	73 33.5 3145	91 42.2 3036
12	63 30.4 2945	29 36.2 2997	36 33.8 2961	72 6.3 3162	90 12.7 3053
15	65 1.7 2955	28 5.9 3046	35 2.8 2998	70 39.4 3181	88 43.6 3070
18	66 32.9 2964	26 36.6 3100	33 32.5 3038	69 12.8 3198	87 14.8 3086
21	68 3.8 2974	25 8.5 3161	32 3.1 3082	67 46.6 3215	85 46.4 3103
18 UT	+Fomalhaut	+Markab	+Hamal	–Venus	–Sun
0	85 40.6 3187	69 34.6 2984	26 18.4 3221	66 20.8 3232	84 18.3 3118
3	87 7.0 3201	71 5.1 2995	27 44.2 3190	64 55.3 3249	82 50.5 3135
6	88 33.1 3214	72 35.4 3005	29 10.5 3165	63 30.1 3264	81 23.1 3149
9	89 59.0 3228	74 5.5 3016	30 37.4 3146	62 5.2 3281	79 55.9 3165
12	91 24.6 3242	75 35.4 3026	32 4.6 3131	60 40.7 3296	78 29.1 3179
15	92 49.9 3256	77 5.1 3036	33 32.1 3119	59 16.4 3312	77 2.5 3193
18	94 14.9 3270	78 34.5 3047	34 59.9 3110	57 52.5 3327	75 36.2 3207
21	95 39.7 3285	80 3.7 3057	36 27.8 3104	56 28.8 3341	74 10.2 3221
19 UT	+Fomalhaut	+Markab	+Hamal	–Venus	–Sun
0	97 4.2 3300	81 32.8 3068	37 55.9 3100	55 5.4 3356	72 44.5 3234
3	98 28.4 3315	83 1.6 3078	39 24.1 3097	53 42.3 3370	71 19.0 3247
6	99 52.2 3330	84 30.2 3088	40 52.3 3095	52 19.5 3383	69 53.8 3259
9	101 15.9 3346	85 58.6 3099	42 20.5 3094	50 56.9 3397	68 28.8 3271
12	102 39.2 3361	87 26.7 3109	43 48.8 3094	49 34.6 3410	67 4.1 3283
15	104 2.2 3378	88 54.7 3119	45 17.1 3095	48 12.5 3423	65 39.6 3294
18	105 24.8 3394	90 22.5 3128	46 45.3 3096	46 50.7 3435	64 15.3 3304
21	106 47.2 3411	91 50.1 3139	48 13.5 3099	45 29.1 3448	62 51.2 3315
20 UT	+Fomalhaut	+Markab	+Aldebaran	–Venus	–Sun
0	108 9.3 3428	93 17.4 3148	15 32.0 2975	44 7.7 3461	61 27.3 3325
3	109 31.0 3446	94 44.6 3157	17 2.8 2980	42 46.6 3472	60 3.6 3335
6	110 52.4 3464	96 11.6 3167	18 33.4 2985	41 25.7 3484	58 40.1 3345
9	112 13.5 3483	97 38.4 3177	20 3.9 2991	40 5.0 3496	57 16.7 3354
12	113 34.2 3503	99 5.0 3186	21 34.3 2997	38 44.5 3508	55 53.6 3363
15	114 54.5 3522	100 31.4 3195	23 4.5 3003	37 24.3 3519	54 30.6 3371
18	116 14.5 3543	101 57.7 3204	24 34.7 3009	36 4.2 3530	53 7.8 3379
21	117 34.1 3565	103 23.7 3214	26 4.7 3015	34 44.4 3542	51 45.1 3387

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21 UT	+Markab	+Aldebaran	+Betelgeuse	–Venus	–Sun
0	104 49.6 3223	27 34.6 3020	13 59.0 5092	33 24.8 3554	50 22.6 3394
3	106 15.3 3232	29 4.4 3026	14 54.7 4717	32 5.4 3566	49 0.2 3401
6	107 40.8 3241	30 34.1 3030	15 55.5 4432	30 46.2 3578	47 38.0 3408
9	109 6.1 3251	32 3.6 3035	17 0.4 4214	29 27.2 3592	46 15.9 3415
12	110 31.3 3260	33 33.1 3040	18 8.6 4042	28 8.5 3605	44 53.9 3421
15	111 56.2 3269	35 2.5 3044	19 19.5 3907	26 50.0 3619	43 32.0 3427
18	113 21.0 3279	36 31.8 3048	20 32.7 3798	25 31.8 3635	42 10.3 3433
21	114 45.6 3289	38 1.0 3052	21 47.8 3710	24 13.9 3652	40 48.6 3439
22 UT	+Aldebaran	+Alnilam	+Betelgeuse	–Venus	–Sun
0	39 30.1 3055	31 37.7 4196	23 4.4 3637	22 56.3 3671	39 27.1 3444
3	40 59.2 3059	32 46.2 4110	24 22.3 3577	21 39.0 3694	38 5.6 3450
6	42 28.2 3061	33 56.1 4034	25 41.3 3527	20 22.1 3719	36 44.3 3455
9	43 57.1 3064	35 7.2 3967	27 1.2 3484	19 5.7 3748	35 23.1 3459
12	45 26.0 3066	36 19.4 3907	28 21.9 3448	17 49.7 3783	34 1.9 3464
15	46 54.8 3069	37 32.6 3855	29 43.2 3418	16 34.4 3827	32 40.9 3470
18	48 23.6 3071	38 46.7 3807	31 5.2 3390	15 19.8 3881	31 19.9 3475
21	49 52.4 3073	40 1.6 3765	32 27.6 3367	14 6.2 3952	29 59.1 3480
23 UT	+Aldebaran	+Alnilam	+Elnath	+Betelgeuse	–Sun
0	51 21.1 3074	41 17.2 3726	40 6.7 3227	33 50.5 3346	28 38.3 3485
3	52 49.7 3075	42 33.5 3692	41 32.3 3220	35 13.8 3328	27 17.6 3491
6	54 18.4 3077	43 50.4 3661	42 58.1 3213	36 37.4 3312	25 57.0 3498
9	55 47.0 3078	45 7.9 3632	44 24.0 3207	38 1.4 3298	24 36.6 3504
12	57 15.6 3078	46 25.9 3605	45 50.0 3201	39 25.6 3285	23 16.3 3511
15	58 44.2 3078	47 44.4 3582	47 16.1 3196	40 50.1 3273	21 56.1 3520
18	60 12.8 3078	49 3.3 3560	48 42.4 3191	42 14.8 3263	20 36.1 3530
21	61 41.4 3079	50 22.6 3540	50 8.7 3186	43 39.7 3253	19 16.2 3542
24 UT	+Aldebaran	+Alnilam	+Betelgeuse	+Sirius	–Sun
0	63 10.0 3078	51 42.2 3521	45 4.8 3244	43 42.7 5434	17 56.6 3557
3	64 38.6 3077	53 2.2 3503	46 30.1 3235	44 34.2 5308	16 37.3 3576
6	66 7.2 3077	54 22.6 3487	47 55.5 3228	45 27.3 5193	15 18.3 3600
9	67 35.8 3077	55 43.2 3472	49 21.1 3220	46 21.7 5086	13 59.7 3631
12	69 4.4 3075	57 4.1 3458	50 46.9 3213	47 17.5 4988	12 41.7 3674
15	70 33.1 3075	58 25.3 3445	52 12.8 3207	48 14.6 4898	11 24.5 3734
18	72 1.8 3073	59 46.7 3433	53 38.8 3200	49 12.8 4815	10 8.3 3822
21	73 30.5 3071	61 8.3 3421	55 4.9 3194	50 12.2 4738	8 53.7 3956
27 UT	+Sun	–Spica	–Saturn	–Mars	–Nunki
0	15 37.0 3509	34 57.2 3031	58 51.2 3040	59 19.5 3266	113 17.1 3076
3	16 57.3 3487	33 27.7 3029	57 21.8 3036	57 54.7 3262	111 48.5 3071
6	18 17.9 3466	31 58.1 3025	55 52.3 3032	56 29.8 3258	110 19.8 3065
9	19 38.9 3450	30 28.4 3021	54 22.8 3026	55 4.8 3253	108 50.9 3059
12	21 0.3 3435	28 58.6 3018	52 53.1 3022	53 39.7 3249	107 21.9 3054
15	22 21.9 3422	27 28.8 3015	51 23.4 3017	52 14.5 3244	105 52.8 3048
18	23 43.7 3409	25 58.9 3012	49 53.5 3012	50 49.2 3240	104 23.6 3042
21	25 5.8 3398	24 28.9 3009	48 23.6 3006	49 23.8 3235	102 54.3 3036

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Sun	–Saturn	–Mars	–Antares	–Altair
0	26 28.1 3387	46 53.5 3000	47 58.4 3230	68 51.2 3035	117 32.5 3497
3	27 50.6 3376	45 23.3 2995	46 32.8 3225	67 21.7 3031	116 12.0 3478
6	29 13.3 3367	43 53.0 2989	45 7.2 3220	65 52.2 3026	114 51.2 3460
9	30 36.2 3357	42 22.6 2983	43 41.4 3214	64 22.5 3021	113 30.1 3442
12	31 59.3 3347	40 52.0 2976	42 15.6 3209	62 52.7 3017	112 8.6 3426
15	33 22.6 3337	39 21.3 2970	40 49.6 3204	61 22.9 3012	110 46.8 3409
18	34 46.1 3328	37 50.5 2963	39 23.5 3199	59 52.9 3007	109 24.8 3394
21	36 9.7 3318	36 19.5 2956	37 57.4 3193	58 22.9 3002	108 2.4 3379
29 UT	+Sun	–Saturn	–Mars	–Antares	–Sabik
0	37 33.6 3309	34 48.4 2948	36 31.1 3187	56 52.7 2997	65 19.1 2933
3	38 57.6 3299	33 17.1 2942	35 4.7 3183	55 22.4 2993	63 47.5 2926
6	40 21.8 3290	31 45.6 2933	33 38.2 3177	53 52.1 2988	62 15.8 2919
9	41 46.1 3280	30 14.0 2926	32 11.6 3172	52 21.6 2983	60 43.9 2911
12	43 10.7 3270	28 42.3 2918	30 44.9 3167	50 51.1 2979	59 11.8 2903
15	44 35.5 3260	27 10.4 2909	29 18.1 3163	49 20.4 2974	57 39.5 2895
18	46 0.5 3249	25 38.2 2901	27 51.2 3159	47 49.7 2970	56 7.1 2886
21	47 25.6 3239	24 6.0 2892	26 24.3 3155	46 18.8 2966	54 34.5 2878
30 UT	+Sun	–Saturn	–Antares	–Sabik	–Nunki
0	48 51.0 3229	22 33.5 2883	44 47.9 2962	53 1.7 2869	77 14.2 2913
3	50 16.6 3217	21 0.8 2874	43 16.9 2958	51 28.8 2860	75 42.1 2904
6	51 42.4 3207	19 28.0 2864	41 45.9 2955	49 55.6 2850	74 9.9 2895
9	53 8.4 3195	17 54.9 2855	40 14.7 2954	48 22.3 2842	72 37.5 2886
12	54 34.6 3184	16 21.6 2845	38 43.6 2952	46 48.7 2832	71 4.9 2877
15	56 1.1 3172	14 48.1 2835	37 12.4 2952	45 15.0 2822	69 32.1 2868
18	57 27.8 3160	13 14.4 2824	35 41.1 2952	43 41.0 2812	67 59.1 2859
21	58 54.7 3148	11 40.5 2815	34 9.9 2954	42 6.8 2802	66 26.0 2850
31 UT	+Sun	–Antares	–Sabik	–Kaus Aust.	–Nunki
0	60 21.9 3136	32 38.8 2958	40 32.4 2792	58 27.3 3025	64 52.6 2840
3	61 49.3 3123	31 7.7 2964	38 57.8 2781	56 57.6 3023	63 19.0 2830
6	63 17.0 3110	29 36.7 2972	37 22.9 2771	55 27.9 3021	61 45.2 2821
9	64 45.0 3097	28 6.0 2984	35 47.8 2760	53 58.1 3021	60 11.2 2811
12	66 13.2 3084	26 35.4 3000	34 12.5 2749	52 28.4 3021	58 37.0 2801
15	67 41.7 3070	25 5.2 3022	32 36.9 2739	50 58.6 3022	57 2.5 2792
18	69 10.4 3056	23 35.5 3051	31 1.1 2728	49 28.8 3024	55 27.9 2782
21	70 39.5 3042	22 6.3 3089	29 25.1 2717	47 59.1 3027	53 53.1 2772