

JULY 2012

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Mars	+Saturn	+Spica	+Zubenelgen	–Nunki
0	62 30.7 2280	38 29.8 2165	37 12.0 2105	15 56.4 2136	41 28.1 2172
3	64 17.2 2276	40 19.1 2157	39 2.9 2101	17 46.5 2126	39 38.9 2174
6	66 3.7 2272	42 8.7 2151	40 53.8 2098	19 36.8 2119	37 49.8 2177
9	67 50.4 2269	43 58.3 2145	42 44.8 2096	21 27.3 2113	36 0.8 2183
12	69 37.1 2267	45 48.2 2140	44 35.9 2094	23 17.9 2108	34 11.9 2190
15	71 23.9 2265	47 38.1 2136	46 27.0 2092	25 8.7 2105	32 23.2 2199
18	73 10.8 2264	49 28.2 2133	48 18.2 2091	26 59.5 2102	30 34.8 2211
21	74 57.6 2264	51 18.3 2131	50 9.4 2091	28 50.5 2101	28 46.6 2226
2 UT	+Mars	+Saturn	+Spica	+Zubenelgen	–Nunki
0	76 44.5 2264	53 8.5 2129	52 0.6 2091	30 41.4 2100	26 58.8 2245
3	78 31.4 2265	54 58.7 2129	53 51.8 2092	32 32.4 2100	25 11.5 2269
6	80 18.2 2267	56 49.0 2129	55 43.0 2094	34 23.4 2101	23 24.7 2300
9	82 5.0 2268	58 39.2 2130	57 34.1 2096	36 14.3 2102	21 38.7 2338
12	83 51.8 2271	60 29.4 2132	59 25.2 2099	38 5.3 2104	19 53.7 2389
15	85 38.4 2275	62 19.6 2135	61 16.2 2102	39 56.1 2107	18 9.8 2456
18	87 25.0 2279	64 9.7 2138	63 7.1 2107	41 46.9 2111	16 27.6 2548
21	89 11.5 2284	65 59.7 2141	64 57.9 2111	43 37.6 2115	14 47.5 2675
3 UT	+Saturn	+Spica	+Zubenelgen	+Antares	–Markab
0	67 49.6 2147	66 48.6 2116	45 28.2 2120	21 50.9 2230	82 36.1 2259
3	69 39.4 2152	68 39.2 2122	47 18.6 2126	23 38.6 2220	80 49.1 2266
6	71 29.1 2158	70 29.6 2129	49 9.0 2133	25 26.5 2214	79 2.3 2275
9	73 18.6 2164	72 19.8 2136	50 59.1 2139	27 14.6 2211	77 15.7 2284
12	75 7.9 2172	74 9.9 2144	52 49.1 2147	29 2.8 2210	75 29.3 2294
15	76 57.1 2180	75 59.7 2152	54 38.9 2155	30 51.0 2212	73 43.2 2305
18	78 46.0 2188	77 49.4 2161	56 28.4 2163	32 39.1 2215	71 57.3 2317
21	80 34.8 2198	79 38.8 2170	58 17.8 2173	34 27.2 2220	70 11.8 2331
4 UT	+Saturn	+Spica	+Antares	+Sabik	–Markab
0	82 23.3 2207	81 28.0 2180	36 15.2 2225	27 20.1 2286	68 26.5 2344
3	84 11.5 2218	83 17.0 2191	38 3.0 2233	29 6.4 2286	66 41.6 2360
6	85 59.5 2228	85 5.6 2202	39 50.6 2240	30 52.7 2287	64 57.1 2376
9	87 47.3 2240	86 54.0 2213	41 38.1 2249	32 39.0 2290	63 13.0 2393
12	89 34.7 2252	88 42.2 2225	43 25.3 2259	34 25.2 2295	61 29.2 2411
15	91 21.9 2265	90 30.0 2238	45 12.3 2269	36 11.3 2302	59 45.9 2431
18	93 8.7 2278	92 17.5 2251	46 59.0 2280	37 57.3 2310	58 3.1 2452
21	94 55.2 2291	94 4.7 2264	48 45.5 2292	39 43.0 2319	56 20.8 2473
5 UT	+Antares	+Sabik	+Shaula	+Nunki	–Hamal
0	50 31.7 2304	41 28.5 2329	39 6.9 2692	18 48.8 2549	97 12.3 2316
3	52 17.5 2317	43 13.8 2340	40 43.7 2677	20 28.9 2522	95 26.7 2330
6	54 3.1 2331	44 58.8 2351	42 20.9 2667	22 9.6 2504	93 41.5 2344
9	55 48.3 2344	46 43.6 2363	43 58.3 2659	23 50.7 2493	91 56.6 2359
12	57 33.2 2359	48 28.0 2377	45 35.8 2655	25 32.1 2488	90 12.0 2374
15	59 17.8 2374	50 12.1 2390	47 13.5 2653	27 13.6 2486	88 27.8 2390
18	61 2.0 2388	51 55.9 2404	48 51.2 2653	28 55.1 2488	86 44.0 2405
21	62 45.8 2404	53 39.4 2418	50 28.9 2655	30 36.6 2492	85 0.6 2422

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6 UT	+Antares	+Sabik	+Nunki	–Hamal	–Venus
0	64 29.3 2419	55 22.5 2433	32 18.0 2498	83 17.5 2439	115 11.1 2507
3	66 12.4 2436	57 5.3 2448	33 59.3 2506	81 34.9 2455	113 30.0 2525
6	67 55.1 2452	58 47.7 2464	35 40.3 2516	79 52.6 2472	111 49.4 2543
9	69 37.5 2468	60 29.8 2480	37 21.1 2526	78 10.8 2490	110 9.2 2561
12	71 19.4 2485	62 11.5 2496	39 1.7 2538	76 29.3 2507	108 29.4 2580
15	73 1.0 2502	63 52.8 2512	40 42.1 2550	74 48.3 2525	106 50.0 2598
18	74 42.2 2519	65 33.7 2528	42 22.1 2563	73 7.6 2543	105 11.1 2617
21	76 22.9 2535	67 14.3 2545	44 1.9 2577	71 27.4 2561	103 32.5 2635
7 UT	+Antares	+Kaus Aust.	+Nunki	–Hamal	–Venus
0	78 3.3 2553	54 26.3 2723	45 41.3 2591	69 47.6 2579	101 54.4 2655
3	79 43.3 2570	56 2.5 2733	47 20.4 2605	68 8.3 2598	100 16.8 2673
6	81 22.9 2587	57 38.4 2744	48 59.2 2620	66 29.3 2617	98 39.5 2692
9	83 2.1 2604	59 14.1 2755	50 37.7 2635	64 50.8 2635	97 2.7 2711
12	84 40.9 2621	60 49.5 2767	52 15.8 2650	63 12.6 2654	95 26.3 2730
15	86 19.4 2638	62 24.7 2779	53 53.5 2665	61 35.0 2672	93 50.3 2749
18	87 57.4 2655	63 59.6 2792	55 31.0 2680	59 57.7 2691	92 14.7 2767
21	89 35.1 2672	65 34.2 2805	57 8.1 2696	58 20.8 2710	90 39.5 2786
8 UT	+Kaus Aust.	+Nunki	–Hamal	–Venus	–Sun
0	67 8.6 2818	58 44.8 2711	56 44.4 2729	89 4.8 2805	125 19.9 3014
3	68 42.6 2832	60 21.2 2727	55 8.4 2747	87 30.4 2823	123 50.0 3032
6	70 16.4 2846	61 57.3 2742	53 32.8 2767	85 56.5 2841	122 20.4 3050
9	71 49.9 2859	63 33.0 2757	51 57.6 2785	84 22.9 2859	120 51.3 3066
12	73 23.1 2873	65 8.4 2773	50 22.8 2805	82 49.7 2877	119 22.4 3084
15	74 55.9 2887	66 43.4 2788	48 48.4 2824	81 17.0 2895	117 53.9 3101
18	76 28.5 2900	68 18.1 2802	47 14.5 2843	79 44.5 2912	116 25.8 3117
21	78 0.8 2914	69 52.5 2817	45 41.0 2863	78 12.5 2929	114 58.0 3134
9 UT	+Kaus Aust.	+Nunki	–Hamal	–Venus	–Sun
0	79 32.8 2928	71 26.6 2832	44 7.9 2882	76 40.8 2946	113 30.5 3150
3	81 4.5 2942	73 0.4 2846	42 35.2 2902	75 9.5 2963	112 3.4 3166
6	82 35.9 2955	74 33.9 2860	41 2.9 2922	73 38.5 2978	110 36.6 3181
9	84 7.1 2969	76 7.0 2873	39 31.1 2943	72 7.8 2995	109 10.1 3197
12	85 37.9 2982	77 39.9 2887	37 59.7 2964	70 37.5 3010	107 43.8 3211
15	87 8.5 2995	79 12.5 2900	36 28.7 2985	69 7.5 3026	106 17.9 3226
18	88 38.8 3008	80 44.8 2913	34 58.2 3008	67 37.9 3041	104 52.3 3240
21	90 8.9 3021	82 16.8 2925	33 28.2 3031	66 8.5 3055	103 26.9 3253
10 UT	+Nunki	–Hamal	–Jupiter	–Venus	–Sun
0	83 48.6 2937	31 58.6 3055	60 13.1 2980	64 39.5 3069	102 1.9 3267
3	85 20.1 2949	30 29.6 3081	58 42.5 2992	63 10.7 3083	100 37.0 3280
6	86 51.4 2960	29 1.0 3109	57 12.1 3003	61 42.2 3097	99 12.4 3292
9	88 22.4 2972	27 33.1 3140	55 41.9 3015	60 14.0 3110	97 48.1 3304
12	89 53.2 2982	26 5.7 3173	54 12.1 3026	58 46.0 3123	96 24.0 3316
15	91 23.8 2992	24 39.0 3210	52 42.4 3035	57 18.3 3134	95 0.1 3326
18	92 54.2 3002	23 13.1 3252	51 12.9 3046	55 50.9 3146	93 36.5 3338
21	94 24.3 3012	21 48.0 3301	49 43.6 3055	54 23.7 3158	92 13.0 3348

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11 UT	+Altair	+Enif	–Jupiter	–Venus	–Sun
0	76 15.0 3439	48 22.3 3340	48 14.6 3064	52 56.7 3169	90 49.8 3357
3	77 36.5 3443	49 45.8 3333	46 45.7 3073	51 29.9 3180	89 26.7 3366
6	78 58.0 3446	51 9.3 3327	45 17.0 3081	50 3.4 3189	88 3.8 3376
9	80 19.3 3449	52 33.0 3322	43 48.4 3088	48 37.0 3199	86 41.0 3383
12	81 40.7 3453	53 56.7 3318	42 20.1 3095	47 10.9 3209	85 18.5 3391
15	83 2.0 3458	55 20.6 3314	40 51.8 3102	45 44.9 3218	83 56.0 3399
18	84 23.1 3461	56 44.5 3310	39 23.7 3108	44 19.1 3226	82 33.7 3406
21	85 44.2 3465	58 8.5 3307	37 55.7 3114	42 53.5 3235	81 11.6 3412
12 UT	+Enif	+Markab	–Jupiter	–Venus	–Sun
0	59 32.5 3304	39 21.4 3403	36 27.8 3119	41 28.0 3242	79 49.5 3418
3	60 56.6 3301	40 43.6 3386	35 0.1 3124	40 2.7 3249	78 27.6 3423
6	62 20.8 3299	42 6.1 3372	33 32.4 3128	38 37.5 3257	77 5.8 3428
9	63 45.0 3297	43 28.9 3359	32 4.8 3132	37 12.5 3263	75 44.0 3432
12	65 9.2 3294	44 51.9 3347	30 37.3 3135	35 47.6 3270	74 22.4 3436
15	66 33.5 3292	46 15.2 3336	29 9.9 3138	34 22.8 3276	73 0.8 3439
18	67 57.8 3290	47 38.7 3326	27 42.5 3141	32 58.2 3282	71 39.2 3442
21	69 22.2 3287	49 2.4 3317	26 15.2 3143	31 33.6 3289	70 17.8 3444
13 UT	+Enif	+Markab	–Jupiter	–Venus	–Sun
0	70 46.6 3285	50 26.3 3308	24 47.9 3144	30 9.2 3294	68 56.3 3446
3	72 11.1 3282	51 50.3 3299	23 20.6 3145	28 45.0 3300	67 34.9 3447
6	73 35.7 3280	53 14.5 3291	21 53.4 3146	27 20.8 3307	66 13.6 3449
9	75 0.2 3277	54 38.8 3283	20 26.2 3146	25 56.7 3313	64 52.2 3449
12	76 24.9 3274	56 3.3 3276	18 59.0 3146	24 32.8 3320	63 30.9 3449
15	77 49.5 3271	57 28.0 3268	17 31.7 3145	23 9.0 3328	62 9.6 3449
18	79 14.3 3269	58 52.8 3262	16 4.5 3145	21 45.3 3337	60 48.2 3448
21	80 39.1 3265	60 17.7 3254	14 37.3 3144	20 21.9 3347	59 26.8 3447
14 UT	+Markab	+Hamal	–Aldebaran	–Venus	–Sun
0	61 42.8 3248	18 19.9 3463	17 17.4 3272	18 58.6 3359	58 5.5 3446
3	63 8.0 3240	19 41.0 3407	15 52.6 3311	17 35.5 3375	56 44.1 3443
6	64 33.4 3234	21 3.1 3361	14 28.7 3364	16 12.8 3395	55 22.6 3441
9	65 58.8 3227	22 26.1 3323	13 5.7 3437	14 50.4 3422	54 1.1 3439
12	67 24.4 3219	23 49.9 3290	11 44.1 3541	13 28.6 3457	52 39.6 3435
15	68 50.2 3212	25 14.3 3262	10 24.5 3697	12 7.4 3508	51 18.0 3432
18	70 16.1 3205	26 39.2 3237	9 7.7 3942	10 47.2 3583	49 56.3 3428
21	71 42.1 3198	28 4.6 3215	7 55.1 4351	9 28.3 3698	48 34.6 3425
15 UT	+Markab	+Diphda	+Alpheratz	+Hamal	–Sun
0	73 8.3 3191	64 46.5 3579	55 42.3 3515	29 30.5 3195	47 12.8 3420
3	74 34.6 3183	66 5.4 3561	57 2.4 3493	30 56.7 3176	45 50.9 3416
6	76 1.1 3176	67 24.7 3544	58 22.9 3474	32 23.3 3160	44 28.9 3411
9	77 27.7 3169	68 44.3 3528	59 43.8 3455	33 50.3 3145	43 6.9 3406
12	78 54.5 3162	70 4.2 3513	61 5.0 3436	35 17.5 3129	41 44.7 3401
15	80 21.4 3154	71 24.3 3497	62 26.6 3418	36 45.1 3115	40 22.4 3395
18	81 48.5 3146	72 44.8 3483	63 48.5 3401	38 12.9 3102	39 0.1 3390
21	83 15.7 3139	74 5.5 3469	65 10.8 3385	39 41.0 3089	37 37.6 3384

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16 UT	+Hamal	+Jupiter	+Aldebaran	+Venus	-Sun
0	41 9.4 3076	10 19.0 3063	8 46.0 3694	5 39.6 4240	36 15.1 3378
3	42 38.0 3064	11 47.9 3055	10 2.9 3504	6 47.4 3869	34 52.4 3374
6	44 6.9 3053	13 17.0 3046	11 23.2 3375	8 1.2 3656	33 29.6 3368
9	45 36.0 3041	14 46.2 3038	12 45.9 3283	9 18.8 3522	32 6.8 3362
12	47 5.4 3029	16 15.6 3030	14 10.4 3216	10 38.8 3432	30 43.8 3358
15	48 35.0 3018	17 45.2 3021	15 36.3 3162	12 0.4 3368	29 20.7 3353
18	50 4.8 3006	19 15.0 3012	17 3.2 3120	13 23.3 3320	27 57.5 3348
21	51 34.9 2996	20 44.9 3004	18 30.9 3085	14 47.1 3282	26 34.3 3345
17 UT	+Hamal	+Jupiter	+Aldebaran	+Venus	-Sun
0	53 5.2 2984	22 15.1 2995	19 59.3 3056	16 11.6 3252	25 11.0 3342
3	54 35.7 2973	23 45.4 2986	21 28.4 3030	17 36.7 3226	23 47.6 3340
6	56 6.5 2963	25 15.9 2976	22 58.0 3007	19 2.4 3204	22 24.2 3339
9	57 37.5 2952	26 46.6 2967	24 28.0 2987	20 28.4 3184	21 0.8 3342
12	59 8.7 2941	28 17.5 2958	25 58.5 2969	21 54.9 3167	19 37.4 3346
15	60 40.1 2930	29 48.6 2948	27 29.3 2952	23 21.7 3150	18 14.1 3353
18	62 11.8 2919	31 19.9 2938	29 0.5 2936	24 48.8 3135	16 50.9 3365
21	63 43.7 2909	32 51.4 2928	30 32.1 2920	26 16.3 3121	15 28.0 3384
20 UT	+Sun	-Mars	-Gienah	-Saturn	-Spica
0	10 41.9 3334	61 45.4 2908	63 14.8 2789	76 8.9 2734	76 31.7 2698
3	12 5.5 3258	60 13.2 2898	61 40.1 2783	74 33.0 2725	74 55.0 2688
6	13 30.4 3202	58 40.9 2890	60 5.3 2777	72 56.9 2716	73 18.1 2680
9	14 56.5 3158	57 8.4 2880	58 30.3 2770	71 20.6 2707	71 41.0 2670
12	16 23.5 3123	55 35.6 2871	56 55.2 2765	69 44.1 2698	70 3.6 2660
15	17 51.2 3093	54 2.7 2862	55 20.0 2761	68 7.4 2690	68 26.1 2652
18	19 19.5 3067	52 29.6 2853	53 44.7 2756	66 30.5 2681	66 48.4 2642
21	20 48.3 3046	50 56.3 2845	52 9.3 2752	64 53.4 2673	65 10.4 2634
21 UT	+Sun	-Mars	-Gienah	-Saturn	-Spica
0	22 17.6 3026	49 22.8 2837	50 33.8 2749	63 16.2 2665	63 32.3 2625
3	23 47.3 3008	47 49.1 2828	48 58.2 2747	61 38.7 2657	61 53.9 2615
6	25 17.3 2992	46 15.3 2820	47 22.6 2745	60 1.1 2649	60 15.4 2607
9	26 47.7 2976	44 41.3 2812	45 46.9 2744	58 23.3 2641	58 36.6 2598
12	28 18.4 2963	43 7.1 2805	44 11.3 2745	56 45.4 2634	56 57.7 2590
15	29 49.4 2949	41 32.7 2797	42 35.6 2747	55 7.2 2626	55 18.6 2581
18	31 20.7 2936	39 58.2 2790	40 60.0 2750	53 28.9 2620	53 39.2 2573
21	32 52.2 2924	38 23.5 2783	39 24.4 2754	51 50.5 2613	51 59.7 2565
22 UT	+Sun	-Mars	-Saturn	-Spica	-Antares
0	34 24.0 2912	36 48.7 2777	50 11.8 2606	50 20.0 2556	95 49.5 2572
3	35 56.0 2901	35 13.8 2770	48 33.1 2600	48 40.1 2548	94 9.9 2564
6	37 28.3 2890	33 38.7 2765	46 54.2 2595	46 60.0 2540	92 30.2 2556
9	39 0.8 2879	32 3.5 2760	45 15.1 2588	45 19.7 2532	90 50.3 2547
12	40 33.6 2870	30 28.1 2756	43 36.0 2583	43 39.2 2524	89 10.2 2539
15	42 6.5 2859	28 52.7 2751	41 56.7 2578	41 58.6 2515	87 29.9 2531
18	43 39.7 2849	27 17.2 2750	40 17.3 2574	40 17.7 2509	85 49.4 2524
21	45 13.1 2840	25 41.6 2748	38 37.8 2570	38 36.7 2501	84 8.7 2516

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23 UT	+Sun	–Mars	–Spica	–Saturn	–Antares
0	46 46.7 2831	24 6.0 2748	36 55.5 2493	36 58.2 2568	82 27.9 2509
3	48 20.5 2821	22 30.4 2750	35 14.1 2486	35 18.5 2565	80 46.9 2501
6	49 54.5 2812	20 54.9 2754	33 32.6 2478	33 38.8 2563	79 5.7 2494
9	51 28.7 2803	19 19.4 2763	31 50.9 2471	31 59.1 2563	77 24.3 2486
12	53 3.1 2795	17 44.2 2776	30 9.0 2464	30 19.4 2565	75 42.8 2479
15	54 37.6 2786	16 9.2 2796	28 26.9 2457	28 39.6 2568	74 1.1 2472
18	56 12.4 2777	14 34.6 2826	26 44.7 2450	27 0.0 2572	72 19.2 2465
21	57 47.3 2769	13 0.8 2873	25 2.3 2443	25 20.5 2581	70 37.2 2458
24 UT	+Sun	–Spica	–Zubenelgen	–Antares	–Sabik
0	59 22.5 2761	23 19.8 2437	44 42.2 2436	68 55.0 2451	78 5.6 2455
3	60 57.8 2753	21 37.1 2431	42 59.4 2429	67 12.7 2445	76 23.3 2448
6	62 33.3 2744	19 54.3 2425	41 16.5 2422	65 30.2 2438	74 40.9 2441
9	64 8.9 2737	18 11.3 2419	39 33.5 2415	63 47.5 2431	72 58.3 2434
12	65 44.8 2729	16 28.2 2415	37 50.3 2409	62 4.7 2425	71 15.5 2428
15	67 20.8 2721	14 45.0 2411	36 6.9 2402	60 21.7 2419	69 32.6 2421
18	68 57.0 2714	13 1.7 2409	34 23.4 2396	58 38.6 2413	67 49.6 2415
21	70 33.3 2705	11 18.3 2409	32 39.8 2390	56 55.3 2407	66 6.4 2409
25 UT	+Sun	+Denebola	–Zubenelgen	–Antares	–Sabik
0	72 9.9 2699	27 47.5 3414	30 56.0 2384	55 11.9 2402	64 23.0 2403
3	73 46.5 2691	29 9.5 3299	29 12.0 2379	53 28.4 2396	62 39.5 2397
6	75 23.4 2684	30 33.7 3201	27 28.0 2373	51 44.7 2391	60 55.9 2392
9	77 0.4 2677	31 59.9 3116	25 43.7 2368	50 0.9 2386	59 12.1 2386
12	78 37.6 2669	33 27.7 3042	23 59.4 2363	48 17.0 2381	57 28.2 2381
15	80 14.9 2663	34 57.0 2978	22 15.0 2360	46 33.0 2376	55 44.2 2376
18	81 52.4 2656	36 27.7 2920	20 30.5 2357	44 48.9 2372	54 0.0 2371
21	83 30.1 2649	37 59.6 2870	18 45.8 2354	43 4.6 2368	52 15.8 2366
26 UT	+Sun	+Mars	+Spica	–Antares	–Nunki
0	85 7.9 2642	16 18.9 2631	4 36.0 2427	41 20.3 2365	73 53.6 2355
3	86 45.8 2636	17 57.1 2604	6 19.0 2376	39 35.9 2362	72 8.9 2350
6	88 23.9 2629	19 35.9 2582	8 3.1 2348	37 51.4 2360	70 24.1 2344
9	90 2.2 2623	21 15.2 2563	9 47.9 2332	36 6.9 2358	68 39.2 2340
12	91 40.5 2617	22 55.0 2547	11 33.1 2318	34 22.3 2357	66 54.2 2334
15	93 19.1 2611	24 35.1 2533	13 18.7 2308	32 37.7 2358	65 9.1 2330
18	94 57.7 2605	26 15.5 2521	15 4.4 2300	30 53.2 2359	63 23.8 2325
21	96 36.5 2600	27 56.2 2510	16 50.4 2292	29 8.6 2362	61 38.5 2321
27 UT	+Sun	+Mars	+Saturn	+Spica	–Nunki
0	98 15.4 2593	29 37.2 2500	19 31.1 2476	18 36.6 2285	59 53.0 2317
3	99 54.5 2589	31 18.4 2491	21 12.9 2444	20 23.0 2279	58 7.4 2314
6	101 33.7 2583	32 59.8 2483	22 55.4 2418	22 9.5 2272	56 21.8 2310
9	103 12.9 2579	34 41.5 2475	24 38.6 2396	23 56.1 2267	54 36.1 2308
12	104 52.3 2573	36 23.3 2467	26 22.2 2377	25 42.9 2262	52 50.3 2305
15	106 31.9 2569	38 5.2 2461	28 6.4 2361	27 29.8 2257	51 4.4 2303
18	108 11.5 2565	39 47.4 2454	29 50.9 2347	29 16.9 2252	49 18.5 2301
21	109 51.2 2561	41 29.7 2449	31 35.7 2335	31 4.0 2248	47 32.6 2301

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Sun	+Mars	+Saturn	+Spica	–Nunki
0	111 31.0 2557	43 12.1 2443	33 20.8 2324	32 51.3 2243	45 46.6 2300
3	113 10.9 2553	44 54.6 2438	35 6.2 2315	34 38.7 2239	44 0.6 2301
6	114 50.8 2551	46 37.3 2434	36 51.8 2307	36 26.2 2236	42 14.7 2302
9	116 30.9 2548	48 20.0 2429	38 37.6 2299	38 13.7 2232	40 28.7 2304
12	118 11.0 2545	50 2.9 2425	40 23.6 2293	40 1.4 2229	38 42.8 2307
15	119 51.1 2543	51 45.9 2422	42 9.8 2287	41 49.1 2226	36 57.0 2311
18	121 31.4 2541	53 28.9 2418	43 56.1 2281	43 36.9 2224	35 11.3 2317
21	123 11.6 2540	55 12.1 2416	45 42.5 2277	45 24.7 2222	33 25.7 2324
29 UT	+Mars	+Saturn	+Spica	+Zubenelgen	–Nunki
0	56 55.3 2413	47 29.1 2272	47 12.6 2220	25 53.7 2230	31 40.3 2333
3	58 38.5 2411	49 15.7 2269	49 0.6 2218	27 41.4 2227	29 55.1 2345
6	60 21.8 2410	51 2.5 2267	50 48.6 2217	29 29.2 2225	28 10.3 2360
9	62 5.1 2408	52 49.3 2264	52 36.6 2216	31 17.0 2223	26 25.7 2378
12	63 48.5 2408	54 36.1 2262	54 24.6 2216	33 4.9 2222	24 41.6 2402
15	65 31.9 2407	56 23.0 2261	56 12.7 2215	34 52.8 2221	22 58.1 2432
18	67 15.3 2407	58 10.0 2259	58 0.8 2215	36 40.7 2221	21 15.3 2470
21	68 58.7 2408	59 57.0 2260	59 48.8 2216	38 28.7 2221	19 33.4 2521
30 UT	+Mars	+Saturn	+Spica	+Antares	–Enif
0	70 42.1 2408	61 43.9 2260	61 36.9 2217	16 52.1 2414	67 35.5 2449
3	72 25.5 2410	63 30.9 2260	63 24.9 2218	18 35.3 2382	65 53.1 2457
6	74 8.8 2411	65 17.9 2261	65 12.9 2220	20 19.3 2358	64 10.9 2466
9	75 52.1 2413	67 4.8 2262	67 0.8 2222	22 3.9 2340	62 28.8 2476
12	77 35.4 2416	68 51.7 2265	68 48.7 2225	23 48.9 2327	60 47.1 2488
15	79 18.6 2418	70 38.6 2266	70 36.6 2227	25 34.2 2317	59 5.6 2500
18	81 1.7 2422	72 25.4 2270	72 24.3 2231	27 19.8 2310	57 24.4 2515
21	82 44.7 2426	74 12.1 2273	74 12.0 2234	29 5.5 2305	55 43.5 2531
31 UT	+Mars	+Spica	+Saturn	+Antares	–Markab
0	84 27.7 2430	75 59.6 2239	75 58.7 2277	30 51.4 2302	73 42.8 2396
3	86 10.5 2435	77 47.1 2244	77 45.3 2282	32 37.3 2301	71 59.1 2404
6	87 53.3 2440	79 34.5 2248	79 31.7 2286	34 23.2 2301	70 15.7 2412
9	89 35.9 2446	81 21.7 2254	81 18.0 2291	36 9.2 2302	68 32.4 2422
12	91 18.4 2452	83 8.8 2260	83 4.2 2297	37 55.1 2304	66 49.3 2432
15	93 0.7 2458	84 55.8 2266	84 50.2 2304	39 41.0 2307	65 6.5 2444
18	94 42.9 2466	86 42.6 2273	86 36.1 2310	41 26.8 2311	63 24.0 2456
21	96 24.9 2473	88 29.2 2280	88 21.9 2317	43 12.5 2316	61 41.8 2470