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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Spica	+Zubengelgen	+Antares	–Nunki	–Jupiter
0	50 1.6 3024	29 6.1 3093	4 11.9 3035	28 25.6 3023	69 45.4 2977
3	51 31.3 3030	30 34.4 3092	5 41.4 3032	26 55.9 3030	68 14.7 2982
6	53 0.9 3034	32 2.7 3092	7 10.9 3032	25 26.3 3037	66 44.1 2987
9	54 30.3 3039	33 31.0 3092	8 40.4 3035	23 56.9 3044	65 13.7 2993
12	55 59.7 3044	34 59.4 3092	10 9.9 3039	22 27.6 3051	63 43.3 2998
15	57 29.0 3048	36 27.7 3093	11 39.3 3042	20 58.4 3057	62 13.1 3003
18	58 58.2 3052	37 56.0 3093	13 8.6 3046	19 29.4 3064	60 42.9 3007
21	60 27.4 3055	39 24.2 3094	14 37.9 3049	18 0.5 3072	59 12.9 3011
2 UT	+Spica	+Zubengelgen	+Antares	–Nunki	–Jupiter
0	61 56.4 3059	40 52.5 3095	16 7.1 3052	16 31.8 3080	57 42.9 3015
3	63 25.4 3062	42 20.8 3096	17 36.2 3055	15 3.3 3090	56 13.0 3018
6	64 54.3 3064	43 49.0 3096	19 5.3 3057	13 34.9 3101	54 43.2 3021
9	66 23.2 3067	45 17.2 3097	20 34.3 3060	12 6.8 3117	53 13.4 3024
12	67 52.1 3069	46 45.4 3098	22 3.3 3062	10 39.0 3138	51 43.7 3027
15	69 20.8 3071	48 13.6 3098	23 32.2 3064	9 11.6 3169	50 14.0 3029
18	70 49.6 3073	49 41.8 3098	25 1.1 3066	7 44.8 3220	48 44.4 3031
21	72 18.3 3073	51 10.0 3098	26 29.9 3067	6 19.1 3315	47 14.9 3033
3 UT	+Spica	+Menkent	+Zubengelgen	+Antares	–Jupiter
0	73 47.0 3075	57 20.9 3339	52 38.2 3098	27 58.7 3068	45 45.4 3035
3	75 15.6 3076	58 44.3 3332	54 6.4 3098	29 27.5 3069	44 15.9 3037
6	76 44.3 3076	60 7.9 3325	55 34.6 3097	30 56.3 3070	42 46.5 3038
9	78 12.9 3077	61 31.6 3318	57 2.8 3097	32 25.1 3070	41 17.1 3039
12	79 41.5 3077	62 55.4 3312	58 31.0 3096	33 53.8 3070	39 47.7 3040
15	81 10.2 3077	64 19.4 3306	59 59.2 3096	35 22.6 3070	38 18.3 3042
18	82 38.8 3076	65 43.5 3300	61 27.5 3094	36 51.3 3070	36 49.0 3042
21	84 7.4 3076	67 7.6 3295	62 55.7 3094	38 20.1 3070	35 19.6 3044
4 UT	+Spica	+Antares	+Shaula	+Nunki	–Jupiter
0	85 36.1 3075	39 48.9 3069	27 45.2 3425	7 29.7 3180	33 50.3 3044
3	87 4.7 3074	41 17.7 3067	29 6.9 3393	8 56.3 3148	32 21.0 3045
6	88 33.4 3073	42 46.5 3067	30 29.3 3364	10 23.4 3127	30 51.8 3046
9	90 2.1 3072	44 15.3 3065	31 52.3 3339	11 51.1 3112	29 22.5 3047
12	91 30.8 3070	45 44.2 3064	33 15.7 3317	13 19.0 3101	27 53.3 3048
15	92 59.6 3068	47 13.1 3062	34 39.6 3297	14 47.1 3093	26 24.1 3050
18	94 28.4 3066	48 42.0 3060	36 3.8 3279	16 15.4 3086	24 54.9 3052
21	95 57.2 3065	50 11.0 3058	37 28.4 3263	17 43.8 3080	23 25.8 3055
5 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Jupiter
0	51 40.0 3056	38 53.3 3247	28 19.2 3282	19 12.4 3075	21 56.7 3059
3	53 9.0 3053	40 18.5 3233	29 43.7 3260	20 41.0 3069	20 27.7 3064
6	54 38.1 3051	41 44.0 3221	31 8.7 3240	22 9.8 3065	18 58.8 3071
9	56 7.3 3048	43 9.8 3209	32 34.0 3222	23 38.7 3060	17 30.1 3080
12	57 36.5 3045	44 35.7 3197	33 59.7 3207	25 7.6 3056	16 1.5 3093
15	59 5.8 3042	46 1.9 3187	35 25.7 3192	26 36.7 3052	14 33.2 3110
18	60 35.1 3039	47 28.3 3177	36 52.0 3179	28 5.8 3048	13 5.3 3137
21	62 4.5 3035	48 54.9 3168	38 18.6 3167	29 35.0 3044	11 37.9 3175

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6 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Hamal
0	63 34.0 3031	50 21.7 3158	39 45.4 3155	31 4.3 3039	84 24.7 3047
3	65 3.6 3028	51 48.7 3150	41 12.5 3144	32 33.7 3035	82 55.5 3043
6	66 33.2 3024	53 15.8 3141	42 39.7 3133	34 3.2 3030	81 26.2 3039
9	68 2.9 3020	54 43.2 3133	44 7.2 3124	35 32.8 3026	79 56.8 3035
12	69 32.7 3016	56 10.6 3125	45 34.9 3115	37 2.4 3021	78 27.3 3031
15	71 2.6 3012	57 38.3 3117	47 2.7 3106	38 32.2 3017	76 57.7 3027
18	72 32.5 3007	59 6.1 3109	48 30.7 3097	40 2.0 3012	75 28.1 3023
21	74 2.6 3002	60 34.1 3101	49 59.0 3089	41 32.0 3007	73 58.3 3019
7 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Hamal
0	75 32.8 2997	62 2.2 3094	51 27.3 3080	43 2.1 3002	72 28.5 3014
3	77 3.0 2993	63 30.5 3087	52 55.9 3072	44 32.2 2997	70 58.6 3009
6	78 33.4 2988	64 58.9 3079	54 24.6 3064	46 2.5 2992	69 28.6 3005
9	80 3.8 2983	66 27.5 3072	55 53.5 3057	47 32.9 2987	67 58.5 3000
12	81 34.4 2977	67 56.2 3065	57 22.5 3048	49 3.3 2981	66 28.3 2995
15	83 5.1 2972	69 25.0 3058	58 51.7 3041	50 33.9 2975	64 58.0 2990
18	84 35.9 2966	70 54.0 3051	60 21.1 3033	52 4.7 2970	63 27.6 2985
21	86 6.8 2960	72 23.2 3043	61 50.6 3025	53 35.5 2963	61 57.1 2979
8 UT	+Kaus Aust.	+Nunki	+Jupiter	–Hamal	–Venus
0	63 20.3 3018	55 6.5 2957	14 55.9 2998	60 26.4 2974	120 46.7 3399
3	64 50.1 3011	56 37.6 2952	16 26.1 2977	58 55.7 2969	119 24.4 3392
6	66 20.1 3003	58 8.8 2945	17 56.8 2959	57 24.8 2963	118 2.0 3385
9	67 50.3 2995	59 40.1 2938	19 27.8 2944	55 53.9 2958	116 39.4 3377
12	69 20.6 2987	61 11.6 2932	20 59.2 2930	54 22.8 2952	115 16.7 3370
15	70 51.0 2980	62 43.2 2925	22 30.9 2918	52 51.6 2947	113 53.9 3362
18	72 21.7 2972	64 15.0 2918	24 2.8 2906	51 20.3 2941	112 30.9 3354
21	73 52.5 2964	65 46.9 2911	25 35.0 2896	49 48.8 2935	111 7.8 3346
9 UT	+Jupiter	–Hamal	–Aldebaran	–Mars	–Venus
0	27 7.4 2886	48 17.3 2929	80 53.8 2963	89 38.3 3151	109 44.5 3338
3	28 40.0 2875	46 45.6 2922	79 22.9 2956	88 11.2 3142	108 21.0 3329
6	30 12.8 2865	45 13.7 2917	77 51.7 2950	86 43.9 3135	106 57.4 3322
9	31 45.9 2856	43 41.8 2911	76 20.5 2943	85 16.5 3127	105 33.6 3312
12	33 19.1 2846	42 9.7 2905	74 49.1 2935	83 48.9 3118	104 9.7 3303
15	34 52.6 2836	40 37.5 2899	73 17.5 2928	82 21.1 3109	102 45.6 3294
18	36 26.3 2827	39 5.2 2893	71 45.8 2922	80 53.1 3100	101 21.3 3285
21	38 0.1 2817	37 32.7 2887	70 14.0 2914	79 24.9 3091	99 56.8 3275
10 UT	+Jupiter	–Aldebaran	–Mars	–Elnath	–Venus
0	39 34.2 2807	68 42.0 2907	77 56.6 3082	80 27.6 2840	98 32.1 3265
3	41 8.5 2797	67 9.8 2900	76 28.1 3072	78 54.0 2831	97 7.3 3256
6	42 43.0 2788	65 37.5 2892	74 59.4 3063	77 20.2 2822	95 42.2 3246
9	44 17.8 2777	64 5.0 2885	73 30.5 3053	75 46.2 2813	94 17.0 3235
12	45 52.7 2767	62 32.4 2877	72 1.4 3043	74 12.1 2803	92 51.5 3225
15	47 27.9 2757	60 59.6 2870	70 32.1 3033	72 37.7 2794	91 25.9 3214
18	49 3.3 2747	59 26.6 2863	69 2.5 3022	71 3.1 2784	90 0.0 3203
21	50 38.9 2736	57 53.5 2856	67 32.8 3012	69 28.3 2774	88 33.9 3191

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11 UT	+Jupiter	–Aldebaran	–Mars	–Venus	–Sun
0	52 14.8 2725	56 20.3 2848	66 2.8 3001	87 7.6 3180	123 49.3 3101
3	53 50.8 2715	54 46.9 2841	64 32.6 2990	85 41.1 3168	122 21.2 3090
6	55 27.2 2703	53 13.3 2835	63 2.2 2978	84 14.3 3156	120 52.8 3078
9	57 3.7 2692	51 39.6 2828	61 31.5 2967	82 47.3 3144	119 24.2 3066
12	58 40.6 2681	50 5.8 2821	60 0.6 2955	81 20.0 3131	117 55.4 3054
15	60 17.7 2669	48 31.8 2815	58 29.5 2943	79 52.5 3120	116 26.3 3042
18	61 55.0 2657	46 57.6 2809	56 58.1 2931	78 24.8 3106	114 57.0 3029
21	63 32.6 2645	45 23.4 2804	55 26.5 2919	76 56.7 3093	113 27.4 3016
12 UT	+Jupiter	–Mars	–Elnath	–Venus	–Sun
0	65 10.5 2633	53 54.6 2906	55 4.5 2674	75 28.4 3080	111 57.5 3004
3	66 48.6 2621	52 22.4 2894	53 27.2 2662	73 59.9 3067	110 27.4 2990
6	68 27.1 2608	50 50.0 2881	51 49.7 2649	72 31.1 3053	108 57.0 2977
9	70 5.8 2596	49 17.3 2868	50 11.9 2638	71 1.9 3039	107 26.3 2963
12	71 44.8 2583	47 44.3 2855	48 33.9 2624	69 32.5 3025	105 55.3 2949
15	73 24.1 2570	46 11.0 2842	46 55.5 2612	68 2.9 3011	104 24.1 2935
18	75 3.7 2556	44 37.5 2829	45 16.9 2599	66 32.9 2996	102 52.5 2921
21	76 43.6 2543	43 3.6 2815	43 38.0 2586	65 2.6 2982	101 20.6 2907
13 UT	+Jupiter	–Mars	–Elnath	–Venus	–Sun
0	78 23.8 2530	41 29.5 2802	41 58.7 2573	63 32.0 2967	99 48.5 2892
3	80 4.4 2516	39 55.1 2789	40 19.2 2560	62 1.1 2952	98 16.0 2877
6	81 45.2 2502	38 20.4 2775	38 39.4 2546	60 29.9 2936	96 43.2 2862
9	83 26.4 2488	36 45.4 2762	36 59.3 2533	58 58.3 2921	95 10.1 2848
12	85 7.8 2474	35 10.1 2748	35 18.8 2520	57 26.5 2906	93 36.7 2832
15	86 49.7 2460	33 34.5 2735	33 38.1 2506	55 54.3 2891	92 2.9 2817
18	88 31.8 2446	31 58.6 2722	31 57.0 2493	54 21.8 2875	90 28.9 2802
21	90 14.3 2431	30 22.5 2709	30 15.6 2480	52 49.0 2859	88 54.4 2786
14 UT	+Jupiter	–Elnath	–Mars	–Venus	–Sun
0	91 57.1 2417	28 33.9 2467	28 46.0 2697	51 15.8 2844	87 19.7 2771
3	93 40.3 2403	26 52.0 2454	27 9.3 2685	49 42.3 2827	85 44.6 2755
6	95 23.8 2388	25 9.7 2442	25 32.3 2674	48 8.4 2812	84 9.2 2739
9	97 7.6 2373	23 27.1 2430	23 55.1 2663	46 34.2 2795	82 33.4 2724
12	98 51.8 2359	21 44.2 2419	22 17.6 2655	44 59.6 2780	80 57.2 2708
15	100 36.4 2345	20 1.1 2408	20 39.9 2647	43 24.7 2764	79 20.8 2692
18	102 21.3 2330	18 17.7 2400	19 2.1 2643	41 49.5 2748	77 43.9 2677
21	104 6.5 2316	16 34.2 2393	17 24.1 2641	40 13.9 2733	76 6.8 2661
15 UT	+Jupiter	+Markab	+Hamal	–Venus	–Sun
0	105 52.2 2301	73 45.8 2500	30 22.8 2391	38 38.0 2717	74 29.2 2645
3	107 38.1 2287	75 27.0 2483	32 6.6 2371	37 1.7 2702	72 51.3 2630
6	109 24.4 2273	77 8.6 2466	33 50.8 2352	35 25.1 2686	71 13.1 2614
9	111 11.1 2258	78 50.6 2450	35 35.5 2334	33 48.1 2671	69 34.5 2599
12	112 58.1 2245	80 33.0 2434	37 20.7 2316	32 10.8 2656	67 55.6 2584
15	114 45.4 2231	82 15.8 2419	39 6.3 2299	30 33.2 2641	66 16.3 2569
18	116 33.1 2217	83 58.9 2404	40 52.3 2283	28 55.2 2627	64 36.7 2554
21	118 21.1 2204	85 42.4 2390	42 38.6 2267	27 16.9 2613	62 56.8 2540

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16 UT	+Alpheratz	+Hamal	+Aldebaran	–Venus	–Sun
0	68 26.7 2553	44 25.4 2251	14 55.0 3245	25 38.3 2600	61 16.5 2525
3	70 6.7 2533	46 12.6 2237	16 20.3 3033	23 59.4 2587	59 35.9 2512
6	71 47.1 2513	48 0.1 2222	17 49.8 2872	22 20.2 2574	57 54.9 2498
9	73 28.0 2495	49 48.0 2208	19 22.7 2747	20 40.7 2563	56 13.7 2485
12	75 9.3 2477	51 36.3 2195	20 58.3 2649	19 1.0 2553	54 32.1 2472
15	76 51.1 2461	53 24.9 2181	22 36.1 2569	17 21.0 2544	52 50.2 2459
18	78 33.2 2445	55 13.8 2169	24 15.7 2503	15 40.8 2537	51 8.1 2447
21	80 15.7 2430	57 3.0 2156	25 56.8 2447	14 0.4 2532	49 25.6 2435
17 UT	+Hamal	+Aldebaran	+Elnath	+Mars	–Sun
0	58 52.5 2145	27 39.3 2401	14 11.9 2172	12 21.9 2452	47 42.9 2424
3	60 42.4 2134	29 22.8 2361	16 1.1 2152	14 4.2 2413	45 59.9 2414
6	62 32.5 2123	31 7.4 2326	17 50.7 2135	15 47.5 2382	44 16.7 2403
9	64 22.9 2113	32 52.7 2295	19 40.8 2120	17 31.5 2357	42 33.2 2394
12	66 13.5 2104	34 38.8 2268	21 31.3 2107	19 16.1 2337	40 49.5 2384
15	68 4.4 2095	36 25.6 2244	23 22.1 2096	21 1.2 2319	39 5.5 2376
18	69 55.5 2086	38 12.9 2223	25 13.1 2086	22 46.7 2304	37 21.4 2369
21	71 46.8 2078	40 0.8 2204	27 4.5 2076	24 32.6 2291	35 37.1 2362
18 UT	+Hamal	+Aldebaran	+Elnath	+Mars	–Sun
0	73 38.4 2071	41 49.2 2187	28 56.0 2068	26 18.8 2279	33 52.6 2356
3	75 30.1 2065	43 37.9 2172	30 47.8 2060	28 5.3 2269	32 8.0 2350
6	77 22.0 2059	45 27.1 2159	32 39.8 2054	29 52.0 2260	30 23.2 2346
9	79 14.0 2054	47 16.6 2147	34 32.0 2047	31 39.0 2252	28 38.3 2343
12	81 6.2 2049	49 6.3 2137	36 24.3 2043	33 26.1 2246	26 53.4 2340
15	82 58.4 2045	50 56.4 2128	38 16.8 2038	35 13.4 2240	25 8.4 2339
18	84 50.8 2042	52 46.7 2120	40 9.3 2035	37 0.9 2235	23 23.4 2339
21	86 43.3 2040	54 37.1 2113	42 2.0 2032	38 48.5 2231	21 38.4 2342
19 UT	+Aldebaran	+Elnath	+Mars	+Venus	–Sun
0	56 27.8 2108	43 54.7 2029	40 36.1 2228	15 22.3 2398	19 53.4 2345
3	58 18.5 2103	45 47.5 2028	42 23.9 2226	17 5.9 2392	18 8.5 2352
6	60 9.4 2101	47 40.4 2028	44 11.7 2225	18 49.7 2389	16 23.8 2362
9	62 0.4 2098	49 33.2 2028	45 59.5 2225	20 33.5 2388	14 39.3 2377
12	63 51.4 2096	51 26.0 2028	47 47.3 2225	22 17.4 2386	12 55.2 2399
15	65 42.5 2097	53 18.8 2030	49 35.2 2226	24 1.3 2387	11 11.6 2435
18	67 33.5 2097	55 11.6 2033	51 23.0 2229	25 45.1 2389	9 28.9 2493
21	69 24.6 2099	57 4.3 2036	53 10.7 2231	27 29.0 2392	7 47.5 2601
21 UT	+Sun	–Spica	–Menkent	–Zubenelgen	–Antares
0	8 40.1 2531	47 44.8 2105	66 52.1 2327	69 4.9 2115	93 26.9 2093
3	10 20.6 2500	45 54.0 2116	65 6.8 2344	67 14.3 2126	91 35.8 2103
6	12 1.8 2485	44 3.4 2128	63 21.9 2363	65 24.0 2137	89 44.9 2114
9	13 43.3 2480	42 13.1 2140	61 37.4 2383	63 34.0 2149	87 54.3 2125
12	15 25.0 2481	40 23.2 2153	59 53.4 2405	61 44.3 2162	86 3.9 2137
15	17 6.7 2486	38 33.5 2167	58 10.0 2428	59 54.8 2176	84 13.9 2150
18	18 48.2 2493	36 44.3 2181	56 27.1 2453	58 5.8 2189	82 24.2 2162
21	20 29.6 2502	34 55.3 2197	54 44.8 2480	56 17.1 2204	80 34.8 2176

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22 UT	+Sun	–Spica	–Zubenelgen	–Antares	–Shaula
0	22 10.7 2514	33 6.8 2213	54 28.7 2219	78 45.7 2190	92 45.9 2267
3	23 51.6 2526	31 18.7 2230	52 40.8 2235	76 57.0 2205	90 59.1 2281
6	25 32.2 2539	29 31.0 2247	50 53.2 2252	75 8.7 2219	89 12.7 2296
9	27 12.5 2554	27 43.7 2267	49 6.0 2269	73 20.7 2235	87 26.6 2312
12	28 52.5 2569	25 56.9 2287	47 19.3 2287	71 33.2 2250	85 40.9 2328
15	30 32.1 2584	24 10.6 2308	45 33.0 2305	69 46.0 2266	83 55.6 2344
18	32 11.4 2601	22 24.8 2331	43 47.1 2324	67 59.2 2283	82 10.7 2361
21	33 50.3 2617	20 39.6 2357	42 1.7 2343	66 12.8 2299	80 26.2 2379
23 UT	+Sun	–Zubenelgen	–Antares	–Shaula	–Kaus Aust.
0	35 28.8 2635	40 16.8 2364	64 26.8 2317	78 42.1 2397	89 5.7 2368
3	37 6.9 2653	38 32.4 2385	62 41.2 2334	76 58.5 2415	87 21.4 2386
6	38 44.6 2671	36 48.4 2407	60 56.0 2351	75 15.3 2434	85 37.5 2403
9	40 21.9 2689	35 5.0 2429	59 11.3 2369	73 32.5 2453	83 54.0 2421
12	41 58.8 2708	33 22.2 2453	57 27.0 2387	71 50.2 2473	82 10.9 2440
15	43 35.3 2727	31 39.8 2478	55 43.1 2405	70 8.4 2493	80 28.3 2458
18	45 11.3 2746	29 58.1 2504	53 59.6 2423	68 27.0 2513	78 46.1 2477
21	46 47.0 2765	28 17.0 2532	52 16.6 2441	66 46.1 2533	77 4.4 2496
24 UT	+Sun	–Antares	–Shaula	–Kaus Aust.	–Jupiter
0	48 22.2 2785	50 34.0 2459	65 5.6 2554	75 23.1 2515	121 27.8 2427
3	49 57.0 2805	48 51.9 2478	63 25.7 2576	73 42.2 2535	119 44.9 2445
6	51 31.3 2824	47 10.2 2496	61 46.2 2597	72 1.8 2554	118 2.4 2463
9	53 5.2 2843	45 28.9 2515	60 7.2 2619	70 21.9 2573	116 20.3 2481
12	54 38.8 2863	43 48.0 2533	58 28.8 2641	68 42.3 2593	114 38.6 2499
15	56 11.9 2882	42 7.5 2551	56 50.8 2663	67 3.3 2613	112 57.4 2516
18	57 44.5 2902	40 27.5 2570	55 13.3 2687	65 24.7 2633	111 16.6 2535
21	59 16.8 2921	38 47.9 2587	53 36.4 2710	63 46.5 2653	109 36.2 2552
25 UT	+Sun	–Antares	–Kaus Aust.	–Nunki	–Jupiter
0	60 48.7 2940	37 8.7 2606	62 8.8 2673	69 41.9 2608	107 56.2 2570
3	62 20.1 2960	35 29.9 2624	60 31.5 2693	68 3.1 2626	106 16.6 2588
6	63 51.1 2979	33 51.6 2641	58 54.7 2713	66 24.8 2643	104 37.4 2605
9	65 21.8 2998	32 13.6 2659	57 18.4 2733	64 46.9 2661	102 58.6 2622
12	66 52.0 3016	30 36.0 2676	55 42.4 2753	63 9.3 2678	101 20.2 2639
15	68 21.9 3035	28 58.8 2693	54 7.0 2774	61 32.2 2696	99 42.2 2656
18	69 51.4 3053	27 22.0 2710	52 31.9 2794	59 55.4 2712	98 4.6 2673
21	71 20.5 3071	25 45.6 2727	50 57.3 2815	58 19.1 2729	96 27.3 2690
26 UT	+Sun	+Spica	–Antares	–Nunki	–Jupiter
0	72 49.3 3088	21 50.5 2786	24 9.5 2743	56 43.1 2745	94 50.4 2705
3	74 17.7 3105	23 25.2 2797	22 33.8 2760	55 7.4 2761	93 13.9 2721
6	75 45.7 3123	24 59.8 2808	20 58.5 2776	53 32.1 2777	91 37.7 2737
9	77 13.4 3139	26 34.0 2820	19 23.5 2791	51 57.2 2793	90 1.9 2752
12	78 40.7 3155	28 8.1 2831	17 48.9 2806	50 22.6 2808	88 26.4 2767
15	80 7.8 3171	29 41.8 2844	16 14.5 2822	48 48.3 2823	86 51.2 2781
18	81 34.5 3187	31 15.3 2856	14 40.6 2837	47 14.3 2838	85 16.3 2796
21	83 0.9 3202	32 48.6 2868	13 6.9 2852	45 40.7 2852	83 41.8 2810

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
27 UT	+Sun	+Spica	–Kaus Aust.	–Nunki	–Jupiter
0	84 27.0 3217	34 21.6 2880	37 6.5 3012	44 7.3 2866	82 7.5 2823
3	85 52.8 3231	35 54.3 2892	35 36.5 3037	42 34.3 2879	80 33.6 2837
6	87 18.3 3245	37 26.8 2903	34 7.1 3063	41 1.5 2892	78 59.9 2849
9	88 43.6 3259	38 59.0 2915	32 38.2 3092	39 29.1 2905	77 26.5 2862
12	90 8.6 3272	40 31.0 2926	31 9.9 3121	37 56.9 2917	75 53.4 2874
15	91 33.3 3285	42 2.7 2937	29 42.2 3154	36 24.9 2929	74 20.6 2886
18	92 57.8 3297	43 34.3 2947	28 15.1 3189	34 53.3 2941	72 47.9 2896
21	94 22.0 3309	45 5.6 2957	26 48.7 3229	33 21.8 2953	71 15.6 2908
28 UT	+Sun	+Zubenelgen	–Nunki	–Jupiter	–Fomalhaut
0	95 46.0 3320	25 44.3 3052	31 50.6 2963	69 43.4 2918	82 25.0 3357
3	97 9.8 3331	27 13.5 3052	30 19.7 2974	68 11.5 2927	81 1.9 3370
6	98 33.4 3342	28 42.6 3054	28 48.9 2985	66 39.8 2937	79 39.0 3384
9	99 56.8 3351	30 11.7 3056	27 18.4 2995	65 8.2 2946	78 16.5 3397
12	101 20.0 3360	31 40.8 3058	25 48.1 3005	63 36.9 2955	76 54.1 3411
15	102 43.0 3369	33 9.8 3061	24 18.0 3015	62 5.8 2963	75 32.1 3424
18	104 5.9 3378	34 38.7 3064	22 48.1 3024	60 34.8 2971	74 10.3 3438
21	105 28.5 3386	36 7.6 3068	21 18.4 3034	59 4.0 2978	72 48.7 3453
29 UT	+Sun	+Zubenelgen	+Antares	–Nunki	–Jupiter
0	106 51.1 3394	37 36.4 3071	12 49.8 3025	19 48.9 3044	57 33.3 2985
3	108 13.5 3401	39 5.1 3074	14 19.5 3031	18 19.6 3054	56 2.8 2992
6	109 35.7 3407	40 33.8 3077	15 49.1 3036	16 50.5 3065	54 32.5 2998
9	110 57.8 3414	42 2.4 3080	17 18.5 3041	15 21.6 3077	53 2.2 3004
12	112 19.8 3419	43 31.0 3083	18 47.9 3046	13 53.0 3090	51 32.1 3009
15	113 41.8 3425	44 59.5 3086	20 17.1 3050	12 24.6 3108	50 2.1 3014
18	115 3.6 3429	46 27.9 3088	21 46.3 3054	10 56.7 3130	48 32.2 3019
21	116 25.3 3433	47 56.3 3090	23 15.4 3058	9 29.1 3162	47 2.4 3023
30 UT	+Menkent	+Zubenelgen	+Antares	–Jupiter	–Markab
0	54 20.5 3355	49 24.7 3092	24 44.4 3061	45 32.7 3027	80 26.4 3219
3	55 43.6 3348	50 53.0 3094	26 13.4 3064	44 3.0 3031	79 0.7 3224
6	57 6.8 3341	52 21.2 3095	27 42.2 3066	42 33.5 3034	77 35.0 3228
9	58 30.2 3334	53 49.5 3096	29 11.1 3068	41 3.9 3037	76 9.4 3232
12	59 53.8 3328	55 17.7 3096	30 39.9 3069	39 34.5 3040	74 43.9 3236
15	61 17.4 3322	56 46.0 3097	32 8.7 3071	38 5.1 3041	73 18.4 3240
18	62 41.2 3317	58 14.2 3097	33 37.4 3072	36 35.8 3044	71 53.1 3244
21	64 5.0 3311	59 42.4 3097	35 6.1 3072	35 6.5 3046	70 27.8 3248
31 UT	+Zubenelgen	+Antares	+Shaula	+Nunki	–Jupiter
0	61 10.6 3096	36 34.9 3072	24 50.6 3525	4 27.3 3398	33 37.2 3047
3	62 38.9 3095	38 3.6 3072	26 10.5 3479	5 49.6 3266	32 8.0 3048
6	64 7.1 3094	39 32.3 3072	27 31.3 3440	7 14.5 3200	30 38.8 3050
9	65 35.4 3092	41 1.0 3070	28 52.8 3406	8 40.6 3162	29 9.6 3051
12	67 3.7 3091	42 29.8 3069	30 15.0 3376	10 7.5 3137	27 40.4 3053
15	68 32.0 3089	43 58.6 3068	31 37.7 3350	11 34.9 3120	26 11.3 3054
18	70 0.4 3087	45 27.4 3066	33 0.9 3327	13 2.7 3108	24 42.2 3056
21	71 28.8 3084	46 56.2 3064	34 24.6 3305	14 30.6 3098	23 13.2 3058