

JULY 2009

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Sun	+Regulus	+Saturn	–Antares	–Jupiter
0	108 19.0 3094	57 57.0 2764	41 43.3 2830	42 2.3 2756	118 40.9 2747
3	109 47.3 3109	59 32.2 2776	43 17.1 2839	40 26.9 2769	117 5.3 2760
6	111 15.2 3121	61 7.2 2788	44 50.7 2849	38 51.7 2780	115 30.0 2771
9	112 43.0 3135	62 41.9 2800	46 24.1 2859	37 16.9 2792	113 54.9 2783
12	114 10.4 3147	64 16.4 2811	47 57.2 2869	35 42.2 2804	112 20.1 2794
15	115 37.6 3159	65 50.6 2822	49 30.2 2878	34 7.9 2815	110 45.5 2804
18	117 4.6 3171	67 24.6 2833	51 3.0 2888	32 33.8 2827	109 11.1 2816
21	118 31.3 3182	68 58.3 2843	52 35.5 2897	30 59.9 2837	107 37.0 2826
2 UT	+Saturn	+Spica	–Antares	–Nunki	–Jupiter
0	54 7.9 2906	16 38.7 2922	29 26.2 2848	61 59.4 2850	106 3.1 2836
3	55 40.1 2916	18 10.5 2921	27 52.8 2858	60 26.0 2860	104 29.4 2846
6	57 12.1 2924	19 42.3 2922	26 19.6 2868	58 52.9 2870	102 56.0 2856
9	58 43.9 2933	21 14.2 2924	24 46.6 2878	57 19.9 2880	101 22.7 2865
12	60 15.5 2942	22 46.0 2928	23 13.8 2887	55 47.2 2890	99 49.6 2874
15	61 46.9 2950	24 17.7 2932	21 41.3 2896	54 14.7 2898	98 16.8 2883
18	63 18.1 2958	25 49.3 2937	20 8.9 2905	52 42.3 2907	96 44.1 2891
21	64 49.2 2966	27 20.8 2942	18 36.7 2914	51 10.2 2916	95 11.6 2899
3 UT	+Saturn	+Spica	–Antares	–Nunki	–Jupiter
0	66 20.1 2974	28 52.2 2948	17 4.7 2923	49 38.2 2925	93 39.3 2908
3	67 50.9 2981	30 23.5 2953	15 32.9 2931	48 6.4 2932	92 7.2 2915
6	69 21.5 2988	31 54.7 2959	14 1.2 2939	46 34.8 2940	90 35.2 2923
9	70 52.0 2995	33 25.8 2965	12 29.7 2948	45 3.4 2948	89 3.4 2930
12	72 22.3 3002	34 56.7 2970	10 58.4 2956	43 32.1 2955	87 31.7 2937
15	73 52.4 3009	36 27.5 2976	9 27.3 2965	42 0.9 2962	86 0.2 2943
18	75 22.4 3015	37 58.3 2981	7 56.4 2975	40 30.0 2969	84 28.8 2951
21	76 52.3 3022	39 28.9 2986	6 25.7 2989	38 59.1 2976	82 57.6 2957
4 UT	+Saturn	+Gienah	+Spica	–Nunki	–Jupiter
0	78 22.1 3027	54 12.7 3067	40 59.3 2992	37 28.4 2983	81 26.5 2963
3	79 51.7 3034	55 41.5 3070	42 29.7 2997	35 57.9 2990	79 55.5 2969
6	81 21.2 3038	57 10.3 3073	43 60.0 3001	34 27.4 2995	78 24.6 2974
9	82 50.6 3044	58 39.0 3076	45 30.2 3006	32 57.1 3002	76 53.9 2980
12	84 19.9 3050	60 7.6 3079	47 0.2 3011	31 27.0 3008	75 23.2 2985
15	85 49.1 3054	61 36.2 3081	48 30.2 3015	29 56.9 3013	73 52.7 2990
18	87 18.2 3059	63 4.7 3084	50 0.1 3020	28 27.0 3019	72 22.3 2994
21	88 47.2 3064	64 33.2 3087	51 29.9 3024	26 57.2 3025	70 52.0 2999
5 UT	+Spica	+Zubenelgen	+Antares	–Nunki	–Jupiter
0	52 59.6 3028	32 1.3 3085	7 9.8 3027	25 27.5 3030	69 21.8 3003
3	54 29.2 3032	33 29.8 3084	8 39.5 3028	23 57.9 3036	67 51.6 3008
6	55 58.8 3035	34 58.3 3083	10 9.1 3031	22 28.5 3042	66 21.6 3012
9	57 28.2 3039	36 26.8 3083	11 38.7 3034	20 59.1 3049	64 51.6 3016
12	58 57.6 3042	37 55.3 3083	13 8.2 3036	19 29.9 3055	63 21.7 3019
15	60 27.0 3045	39 23.8 3083	14 37.6 3039	18 0.9 3062	61 51.9 3022
18	61 56.2 3048	40 52.2 3084	16 7.0 3042	16 31.9 3070	60 22.2 3026
21	63 25.4 3051	42 20.7 3085	17 36.4 3045	15 3.2 3080	58 52.5 3029

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6 UT	+Spica	+Menkent	+Zubenelgen	+Antares	–Jupiter
0	64 54.6 3053	49 4.6 3387	43 49.2 3085	19 5.6 3047	57 22.9 3032
3	66 23.7 3056	50 27.1 3376	45 17.6 3086	20 34.9 3050	55 53.4 3035
6	67 52.7 3058	51 49.8 3365	46 46.1 3086	22 4.1 3052	54 23.9 3038
9	69 21.7 3060	53 12.7 3355	48 14.5 3087	23 33.2 3054	52 54.5 3040
12	70 50.7 3063	54 35.9 3347	49 42.9 3088	25 2.3 3056	51 25.1 3043
15	72 19.6 3064	55 59.2 3338	51 11.3 3089	26 31.3 3058	49 55.8 3045
18	73 48.5 3066	57 22.6 3331	52 39.7 3089	28 0.3 3059	48 26.5 3047
21	75 17.3 3068	58 46.2 3324	54 8.1 3090	29 29.3 3061	46 57.3 3049
7 UT	+Spica	+Menkent	+Zubenelgen	+Antares	–Jupiter
0	76 46.1 3069	60 9.9 3318	55 36.4 3090	30 58.3 3062	45 28.1 3051
3	78 14.9 3070	61 33.8 3312	57 4.8 3090	32 27.2 3064	43 58.9 3054
6	79 43.7 3071	62 57.7 3307	58 33.1 3091	33 56.1 3065	42 29.8 3055
9	81 12.4 3072	64 21.8 3301	60 1.5 3091	35 24.9 3066	41 0.8 3057
12	82 41.1 3072	65 45.9 3296	61 29.8 3091	36 53.8 3066	39 31.7 3059
15	84 9.9 3074	67 10.2 3293	62 58.1 3091	38 22.6 3067	38 2.8 3061
18	85 38.5 3073	68 34.5 3288	64 26.5 3090	39 51.4 3067	36 33.8 3062
21	87 7.2 3074	69 58.9 3285	65 54.8 3090	41 20.3 3068	35 4.9 3064
8 UT	+Spica	+Antares	+Shaula	+Nunki	–Jupiter
0	88 35.9 3074	42 49.1 3067	30 32.0 3365	10 26.2 3128	33 36.0 3065
3	90 4.6 3074	44 17.9 3067	31 54.9 3341	11 53.7 3115	32 7.1 3068
6	91 33.3 3073	45 46.7 3067	33 18.3 3320	13 21.6 3105	30 38.3 3069
9	93 2.0 3073	47 15.5 3067	34 42.1 3301	14 49.7 3098	29 9.5 3071
12	94 30.7 3073	48 44.4 3066	36 6.2 3285	16 17.8 3092	27 40.8 3074
15	95 59.4 3072	50 13.2 3065	37 30.7 3270	17 46.2 3087	26 12.1 3077
18	97 28.1 3071	51 42.1 3064	38 55.5 3257	19 14.6 3083	24 43.5 3081
21	98 56.8 3069	53 10.9 3063	40 20.5 3243	20 43.0 3079	23 15.0 3084
9 UT	+Antares	+Shaula	+Nunki	–Jupiter	–Venus
0	54 39.8 3062	41 45.8 3232	22 11.6 3076	21 46.5 3090	119 35.3 3530
3	56 8.8 3060	43 11.3 3221	23 40.3 3073	20 18.2 3097	118 15.4 3527
6	57 37.7 3058	44 37.1 3211	25 9.0 3069	18 49.9 3105	116 55.5 3524
9	59 6.8 3056	46 3.0 3201	26 37.7 3066	17 21.9 3116	115 35.6 3521
12	60 35.8 3054	47 29.1 3193	28 6.6 3063	15 54.1 3132	114 15.6 3518
15	62 4.9 3051	48 55.4 3184	29 35.5 3060	14 26.6 3154	112 55.5 3514
18	63 34.0 3049	50 21.9 3176	31 4.4 3057	12 59.5 3184	111 35.4 3510
21	65 3.2 3046	51 48.5 3167	32 33.5 3053	11 33.1 3228	110 15.2 3506
10 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Venus
0	66 32.5 3043	53 15.3 3160	42 39.2 3153	34 2.6 3050	108 54.9 3503
3	68 1.8 3039	54 42.2 3152	44 6.3 3144	35 31.8 3046	107 34.5 3498
6	69 31.2 3036	56 9.3 3145	45 33.6 3135	37 1.0 3042	106 14.1 3494
9	71 0.7 3032	57 36.6 3137	47 1.0 3126	38 30.4 3037	104 53.6 3489
12	72 30.2 3028	59 4.0 3130	48 28.6 3118	39 59.8 3033	103 33.0 3484
15	73 59.8 3023	60 31.5 3123	49 56.4 3110	41 29.3 3028	102 12.3 3479
18	75 29.5 3019	61 59.2 3115	51 24.3 3101	42 58.9 3023	100 51.5 3472
21	76 59.4 3014	63 27.0 3108	52 52.5 3094	44 28.6 3019	99 30.6 3468

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11 UT	+Kaus Aust.	+Nunki	–Hamal	–Mars	–Venus
0	54 20.7 3085	45 58.5 3013	69 32.4 3026	91 5.5 3290	98 9.6 3461
3	55 49.2 3078	47 28.4 3008	68 2.7 3021	89 41.1 3285	96 48.5 3455
6	57 17.8 3069	48 58.4 3001	66 32.9 3015	88 16.7 3278	95 27.3 3449
9	58 46.6 3061	50 28.6 2996	65 3.1 3010	86 52.1 3272	94 5.9 3443
12	60 15.5 3053	51 58.9 2989	63 33.1 3004	85 27.3 3265	92 44.5 3435
15	61 44.6 3044	53 29.3 2982	62 2.9 2998	84 2.5 3258	91 22.9 3428
18	63 13.9 3036	54 59.9 2976	60 32.7 2992	82 37.5 3251	90 1.1 3421
21	64 43.4 3027	56 30.6 2968	59 2.3 2986	81 12.3 3244	88 39.2 3412
12 UT	+Nunki	+Jupiter	–Hamal	–Mars	–Venus
0	58 1.5 2961	14 55.9 3028	57 31.8 2979	79 47.1 3236	87 17.2 3404
3	59 32.5 2953	16 25.5 3004	56 1.2 2972	78 21.6 3227	85 55.0 3396
6	61 3.7 2945	17 55.6 2983	54 30.4 2965	76 56.0 3219	84 32.7 3386
9	62 35.1 2936	19 26.2 2964	52 59.5 2957	75 30.3 3210	83 10.1 3378
12	64 6.6 2928	20 57.1 2948	51 28.4 2950	74 4.3 3201	81 47.4 3368
15	65 38.3 2918	22 28.4 2932	49 57.1 2942	72 38.2 3191	80 24.6 3358
18	67 10.2 2909	24 0.0 2918	48 25.7 2934	71 11.9 3182	79 1.5 3348
21	68 42.3 2899	25 32.0 2904	46 54.1 2925	69 45.4 3172	77 38.3 3338
13 UT	+Jupiter	–Hamal	–Mars	–Venus	–Sun
0	27 4.2 2890	45 22.3 2917	68 18.7 3161	76 14.8 3327	118 15.4 3235
3	28 36.7 2876	43 50.4 2908	66 51.8 3151	74 51.1 3316	116 50.0 3224
6	30 9.5 2863	42 18.2 2900	65 24.6 3140	73 27.3 3305	115 24.3 3213
9	31 42.6 2850	40 45.9 2891	63 57.3 3129	72 3.2 3293	113 58.4 3200
12	33 16.0 2837	39 13.4 2882	62 29.7 3117	70 38.9 3281	112 32.3 3188
15	34 49.6 2823	37 40.7 2873	61 1.9 3105	69 14.3 3269	111 5.9 3176
18	36 23.6 2810	36 7.9 2864	59 33.9 3093	67 49.5 3256	109 39.3 3163
21	37 57.8 2796	34 34.8 2856	58 5.6 3081	66 24.5 3243	108 12.4 3150
14 UT	+Jupiter	–Hamal	–Mars	–Venus	–Sun
0	39 32.4 2782	33 1.5 2847	56 37.0 3068	64 59.2 3230	106 45.2 3136
3	41 7.2 2768	31 28.1 2839	55 8.2 3055	63 33.6 3216	105 17.8 3121
6	42 42.4 2754	29 54.5 2832	53 39.2 3042	62 7.8 3203	103 50.1 3108
9	44 17.8 2740	28 20.7 2825	52 9.8 3028	60 41.7 3189	102 22.1 3093
12	45 53.6 2725	26 46.8 2819	50 40.2 3015	59 15.4 3174	100 53.8 3078
15	47 29.7 2710	25 12.8 2815	49 10.3 3001	57 48.7 3160	99 25.2 3062
18	49 6.1 2695	23 38.7 2813	47 40.1 2987	56 21.8 3145	97 56.3 3047
21	50 42.9 2680	22 4.5 2813	46 9.7 2973	54 54.5 3131	96 27.0 3031
15 UT	+Jupiter	–Mars	–Aldebaran	–Venus	–Sun
0	52 20.0 2664	44 38.9 2958	53 14.4 2780	53 27.0 3115	94 57.5 3015
3	53 57.5 2649	43 7.8 2944	51 39.5 2769	51 59.2 3100	93 27.6 2998
6	55 35.3 2633	41 36.5 2930	50 4.4 2759	50 31.0 3085	91 57.3 2982
9	57 13.4 2617	40 4.8 2916	48 29.0 2748	49 2.6 3069	90 26.8 2964
12	58 52.0 2600	38 32.8 2901	46 53.4 2739	47 33.8 3054	88 55.8 2947
15	60 30.9 2584	37 0.5 2887	45 17.6 2729	46 4.7 3039	87 24.5 2930
18	62 10.1 2567	35 28.0 2873	43 41.6 2720	44 35.3 3023	85 52.8 2912
21	63 49.8 2550	33 55.1 2860	42 5.4 2712	43 5.6 3008	84 20.8 2894

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16 UT	+Jupiter	–Mars	–Aldebaran	–Venus	–Sun
0	65 29.8 2533	32 21.9 2847	40 29.0 2706	41 35.5 2992	82 48.4 2876
3	67 10.3 2516	30 48.5 2834	38 52.5 2700	40 5.2 2978	81 15.5 2858
6	68 51.1 2499	29 14.8 2823	37 15.8 2696	38 34.5 2963	79 42.3 2839
9	70 32.4 2481	27 40.8 2812	35 39.1 2693	37 3.5 2949	78 8.7 2820
12	72 14.0 2464	26 6.6 2803	34 2.3 2694	35 32.3 2935	76 34.7 2802
15	73 56.1 2446	24 32.2 2796	32 25.5 2697	34 0.7 2923	75 0.3 2783
18	75 38.5 2428	22 57.7 2791	30 48.8 2703	32 28.9 2911	73 25.5 2764
21	77 21.4 2411	21 23.1 2790	29 12.2 2714	30 56.8 2899	71 50.2 2745
17 UT	+Jupiter	+Markab	–Mars	–Venus	–Sun
0	79 4.7 2393	51 24.7 2666	19 48.4 2793	29 24.5 2890	70 14.6 2726
3	80 48.5 2376	53 2.1 2638	18 13.8 2804	27 52.0 2883	68 38.5 2708
6	82 32.6 2358	54 40.2 2610	16 39.4 2823	26 19.3 2877	67 2.0 2689
9	84 17.2 2340	56 18.8 2583	15 5.5 2857	24 46.5 2874	65 25.1 2670
12	86 2.2 2323	57 58.1 2557	13 32.2 2912	23 13.6 2875	63 47.8 2651
15	87 47.6 2306	59 38.0 2533	12 0.2 3003	21 40.8 2882	62 10.0 2633
18	89 33.5 2288	61 18.5 2509	10 30.1 3154	20 8.1 2895	60 31.9 2614
21	91 19.8 2271	62 59.5 2485	9 3.0 3417	18 35.7 2917	58 53.3 2595
18 UT	+Jupiter	+Markab	+Hamal	–Venus	–Sun
0	93 6.5 2254	64 41.0 2462	21 6.3 2384	17 3.8 2953	57 14.3 2577
3	94 53.6 2237	66 23.1 2441	22 50.2 2352	15 32.6 3008	55 34.8 2559
6	96 41.1 2220	68 5.7 2419	24 34.9 2324	14 2.5 3091	53 55.0 2541
9	98 29.0 2204	69 48.8 2399	26 20.3 2298	12 34.2 3220	52 14.7 2523
12	100 17.4 2188	71 32.4 2379	28 6.4 2274	11 8.5 3424	50 34.0 2506
15	102 6.1 2173	73 16.5 2360	29 53.0 2252	9 46.6 3758	48 53.0 2489
18	103 55.3 2157	75 1.0 2343	31 40.2 2230	8 30.9 4336	47 11.5 2473
21	105 44.8 2142	76 45.9 2325	33 27.8 2210	7 24.6 5411	45 29.7 2457
19 UT	+Jupiter	+Alpheratz	+Hamal	+Mars	–Sun
0	107 34.7 2128	59 56.2 2533	35 16.0 2192	9 7.0 2970	43 47.5 2441
3	109 25.0 2114	61 36.7 2506	37 4.7 2174	10 37.8 2785	42 4.9 2426
6	111 15.6 2099	63 17.7 2480	38 53.8 2157	12 12.6 2661	40 21.9 2410
9	113 6.6 2086	64 59.4 2456	40 43.3 2141	13 50.1 2574	38 38.6 2396
12	114 57.9 2074	66 41.6 2434	42 33.3 2126	15 29.6 2509	36 54.9 2382
15	116 49.6 2062	68 24.4 2412	44 23.6 2111	17 10.6 2458	35 10.9 2369
18	118 41.5 2050	70 7.7 2393	46 14.3 2097	18 52.8 2418	33 26.6 2356
21	120 33.8 2039	71 51.4 2375	48 5.3 2084	20 36.0 2384	31 42.0 2344
20 UT	+Hamal	+Mars	+Aldebaran	+Venus	–Sun
0	49 56.7 2072	22 19.9 2356	19 31.4 2607	12 24.5 2891	29 57.1 2333
3	51 48.4 2061	24 4.5 2332	21 10.1 2510	13 57.1 2771	28 11.9 2322
6	53 40.3 2051	25 49.7 2311	22 51.1 2433	15 32.1 2683	26 26.5 2312
9	55 32.6 2041	27 35.4 2293	24 33.9 2369	17 9.2 2616	24 40.8 2302
12	57 25.1 2031	29 21.6 2277	26 18.2 2317	18 47.7 2564	22 54.8 2293
15	59 17.8 2023	31 8.1 2263	28 3.8 2274	20 27.4 2523	21 8.7 2286
18	61 10.8 2016	32 55.0 2251	29 50.4 2238	22 8.1 2491	19 22.4 2278
21	63 3.9 2009	34 42.2 2239	31 37.9 2207	23 49.5 2463	17 35.9 2271

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23 UT	+Sun	–Saturn	–Gienah	–Spica	–Zubnelgen
0	12 42.8 2288	35 37.6 2107	58 42.5 2090	70 59.7 2013	92 16.3 2025
3	14 29.1 2296	33 46.8 2122	56 51.2 2101	69 6.5 2021	90 23.5 2033
6	16 15.2 2305	31 56.4 2140	55 0.3 2114	67 13.5 2030	88 30.7 2041
9	18 1.1 2315	30 6.5 2160	53 9.7 2128	65 20.7 2039	86 38.3 2051
12	19 46.7 2325	28 17.0 2183	51 19.4 2143	63 28.2 2049	84 46.0 2061
15	21 32.0 2336	26 28.1 2209	49 29.5 2159	61 35.9 2060	82 54.0 2071
18	23 17.1 2349	24 39.9 2240	47 40.1 2177	59 43.9 2072	81 2.3 2083
21	25 1.9 2361	22 52.5 2276	45 51.0 2196	57 52.2 2084	79 10.9 2094
24 UT	+Sun	–Gienah	–Spica	–Zubnelgen	–Antares
0	26 46.4 2374	44 2.5 2217	56 0.8 2097	77 19.8 2108	101 44.1 2087
3	28 30.6 2388	42 14.5 2239	54 9.8 2110	75 29.0 2120	99 52.8 2099
6	30 14.5 2402	40 27.0 2264	52 19.1 2124	73 38.6 2134	98 1.8 2113
9	31 58.0 2417	38 40.1 2290	50 28.7 2138	71 48.5 2149	96 11.1 2127
12	33 41.2 2433	36 53.9 2320	48 38.7 2154	69 58.7 2164	94 20.8 2142
15	35 23.9 2448	35 8.4 2351	46 49.1 2169	68 9.4 2179	92 30.9 2156
18	37 6.4 2465	33 23.7 2386	44 59.9 2185	66 20.4 2195	90 41.4 2171
21	38 48.4 2482	31 39.8 2426	43 11.1 2202	64 31.8 2212	88 52.2 2187
25 UT	+Sun	–Spica	–Menkent	–Zubnelgen	–Antares
0	40 30.0 2499	41 22.7 2220	60 48.8 2463	62 43.7 2229	87 3.4 2203
3	42 11.3 2517	39 34.7 2237	59 6.8 2490	60 55.9 2246	85 15.1 2220
6	43 52.1 2535	37 47.2 2256	57 25.3 2518	59 8.6 2264	83 27.1 2237
9	45 32.5 2553	36 0.1 2274	55 44.5 2547	57 21.8 2282	81 39.6 2254
12	47 12.5 2572	34 13.5 2293	54 4.4 2578	55 35.3 2301	79 52.5 2271
15	48 52.0 2590	32 27.4 2313	52 25.0 2610	53 49.4 2319	78 5.8 2289
18	50 31.2 2609	30 41.7 2334	50 46.3 2644	52 3.9 2339	76 19.5 2306
21	52 9.8 2629	28 56.5 2355	49 8.4 2681	50 18.8 2358	74 33.7 2324
26 UT	+Sun	–Spica	–Zubnelgen	–Antares	–Shaula
0	53 48.1 2648	27 11.9 2377	48 34.3 2378	72 48.3 2342	86 54.2 2418
3	55 25.9 2668	25 27.8 2400	46 50.2 2399	71 3.4 2361	85 11.0 2437
6	57 3.3 2687	23 44.2 2424	45 6.6 2419	69 18.8 2379	83 28.4 2456
9	58 40.2 2707	22 1.2 2450	43 23.5 2441	67 34.8 2398	81 46.1 2475
12	60 16.7 2727	20 18.9 2478	41 40.9 2462	65 51.2 2416	80 4.3 2494
15	61 52.8 2747	18 37.1 2509	39 58.8 2484	64 8.0 2434	78 23.0 2514
18	63 28.4 2766	16 56.1 2543	38 17.2 2506	62 25.2 2453	76 42.1 2533
21	65 3.6 2786	15 15.9 2584	36 36.1 2529	60 42.9 2471	75 1.7 2553
27 UT	+Sun	–Antares	–Shaula	–Kaus Aust.	–Nunki
0	66 38.3 2807	59 1.0 2490	73 21.7 2573	83 43.3 2541	91 33.4 2492
3	68 12.6 2826	57 19.6 2508	71 42.2 2593	82 3.0 2560	89 52.0 2510
6	69 46.5 2846	55 38.5 2526	70 3.1 2613	80 23.2 2579	88 11.0 2528
9	71 20.0 2865	53 57.9 2544	68 24.5 2633	78 43.8 2597	86 30.5 2546
12	72 53.1 2884	52 17.7 2562	66 46.3 2653	77 4.8 2616	84 50.3 2564
15	74 25.7 2904	50 38.0 2580	65 8.6 2674	75 26.3 2635	83 10.6 2582
18	75 57.9 2923	48 58.6 2598	63 31.4 2694	73 48.2 2654	81 31.3 2600
21	77 29.7 2942	47 19.7 2615	61 54.6 2715	72 10.5 2672	79 52.4 2617

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28 UT	+Sun	+Denebola	–Antares	–Shaula	–Jupiter
0	79 1.2 2960	36 34.7 3163	45 41.1 2633	60 18.3 2735	120 0.0 2603
3	80 32.2 2978	38 1.6 3142	44 2.9 2649	58 42.4 2755	118 21.2 2619
6	82 2.9 2996	39 28.9 3126	42 25.1 2666	57 7.0 2776	116 42.7 2635
9	83 33.1 3015	40 56.5 3114	40 47.7 2683	55 32.0 2797	115 4.6 2652
12	85 3.0 3031	42 24.4 3104	39 10.7 2699	53 57.5 2818	113 26.9 2667
15	86 32.6 3049	43 52.5 3097	37 34.0 2715	52 23.4 2839	111 49.5 2683
18	88 1.8 3066	45 20.7 3092	35 57.7 2731	50 49.8 2861	110 12.4 2698
21	89 30.6 3083	46 49.0 3089	34 21.7 2746	49 16.7 2883	108 35.7 2714
29 UT	+Sun	+Spica	–Antares	–Nunki	–Jupiter
0	90 59.1 3098	13 24.0 2877	32 46.1 2761	65 19.2 2763	106 59.4 2727
3	92 27.3 3115	14 56.8 2870	31 10.8 2776	63 43.9 2778	105 23.3 2742
6	93 55.1 3130	16 29.7 2868	29 35.8 2790	62 9.0 2792	103 47.6 2756
9	95 22.7 3145	18 2.7 2870	28 1.1 2804	60 34.4 2807	102 12.2 2770
12	96 49.9 3161	19 35.6 2874	26 26.8 2818	59 0.1 2821	100 37.1 2784
15	98 16.8 3175	21 8.5 2880	24 52.7 2832	57 26.1 2834	99 2.3 2797
18	99 43.5 3189	22 41.2 2887	23 18.9 2845	55 52.4 2847	97 27.8 2809
21	101 9.8 3203	24 13.8 2895	21 45.4 2857	54 18.9 2860	95 53.5 2822
30 UT	+Sun	+Spica	–Antares	–Nunki	–Jupiter
0	102 35.9 3216	25 46.2 2903	20 12.2 2870	52 45.7 2872	94 19.5 2834
3	104 1.8 3228	27 18.5 2911	18 39.3 2882	51 12.8 2884	92 45.8 2845
6	105 27.3 3242	28 50.5 2920	17 6.6 2894	49 40.2 2896	91 12.3 2857
9	106 52.7 3253	30 22.4 2928	15 34.2 2905	48 7.8 2907	89 39.1 2867
12	108 17.8 3265	31 54.1 2937	14 2.0 2917	46 35.6 2918	88 6.1 2878
15	109 42.6 3277	33 25.6 2945	12 30.0 2928	45 3.7 2929	86 33.3 2888
18	111 7.3 3287	34 57.0 2954	10 58.3 2939	43 32.0 2939	85 0.8 2898
21	112 31.7 3297	36 28.1 2962	9 26.8 2950	42 0.5 2948	83 28.4 2907
31 UT	+Sun	+Gienah	+Spica	–Nunki	–Jupiter
0	113 55.9 3308	51 15.3 3050	37 59.1 2970	40 29.3 2958	81 56.3 2917
3	115 20.0 3317	52 44.5 3055	39 30.0 2978	38 58.2 2967	80 24.3 2926
6	116 43.8 3326	54 13.5 3060	41 0.6 2985	37 27.3 2976	78 52.6 2934
9	118 7.5 3335	55 42.5 3065	42 31.1 2992	35 56.6 2985	77 21.0 2941
12	119 31.0 3344	57 11.4 3070	44 1.5 2999	34 26.1 2993	75 49.5 2949
15	120 54.3 3352	58 40.1 3075	45 31.7 3006	32 55.7 3001	74 18.3 2957
18	122 17.5 3359	60 8.8 3079	47 1.8 3012	31 25.5 3008	72 47.2 2963
21	123 40.6 3366	61 37.4 3083	48 31.7 3018	29 55.5 3016	71 16.2 2970