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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Antares	+Rasalhague	+Kaus Aust.	+Nunki	–Hamal
0	66 32.4 2180	58 39.6 3060	43 9.8 2492	34 11.6 2260	81 18.5 2227
3	68 21.4 2172	60 8.5 3020	44 51.2 2463	35 58.6 2242	79 30.7 2222
6	70 10.5 2166	61 38.3 2983	46 33.2 2437	37 46.0 2226	77 42.8 2219
9	71 59.8 2160	63 8.9 2950	48 15.9 2413	39 33.8 2212	75 54.8 2217
12	73 49.3 2155	64 40.1 2920	49 59.2 2393	41 21.9 2200	74 6.8 2215
15	75 38.8 2151	66 12.0 2894	51 42.9 2375	43 10.3 2190	72 18.7 2214
18	77 28.5 2147	67 44.4 2870	53 27.1 2359	44 59.0 2181	70 30.6 2215
21	79 18.3 2145	69 17.4 2849	55 11.6 2345	46 47.9 2174	68 42.6 2216
2 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	70 50.8 2830	56 56.5 2333	48 37.0 2168	38 13.0 3372	99 20.8 2085
3	72 24.6 2814	58 41.7 2323	50 26.3 2163	39 35.8 3273	97 29.4 2084
6	73 58.7 2801	60 27.1 2314	52 15.7 2159	41 0.5 3186	95 38.0 2084
9	75 33.2 2789	62 12.8 2307	54 5.2 2156	42 26.9 3110	93 46.6 2084
12	77 7.9 2780	63 58.6 2301	55 54.7 2154	43 54.9 3044	91 55.3 2085
15	78 42.8 2773	65 44.5 2297	57 44.3 2153	45 24.2 2986	90 3.9 2087
18	80 17.8 2767	67 30.6 2293	59 34.0 2152	46 54.7 2934	88 12.6 2089
21	81 53.0 2764	69 16.7 2291	61 23.6 2153	48 26.2 2890	86 21.4 2092
3 UT	+Shaula	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	81 28.9 2340	71 2.9 2290	63 13.2 2154	49 58.7 2851	84 30.2 2096
3	83 13.9 2342	72 49.1 2290	65 2.8 2157	51 32.1 2817	82 39.1 2100
6	84 58.8 2345	74 35.3 2291	66 52.4 2160	53 6.2 2787	80 48.1 2104
9	86 43.7 2349	76 21.5 2294	68 41.8 2163	54 40.9 2761	78 57.3 2109
12	88 28.5 2354	78 7.7 2296	70 31.2 2167	56 16.2 2739	77 6.5 2114
15	90 13.1 2360	79 53.7 2300	72 20.5 2172	57 52.0 2720	75 15.9 2120
18	91 57.7 2367	81 39.7 2305	74 9.6 2178	59 28.2 2704	73 25.4 2127
21	93 42.0 2375	83 25.6 2310	75 58.6 2184	61 4.8 2690	71 35.1 2133
4 UT	+Kaus Aust.	+Nunki	+Altair	+Enif	–Aldebaran
0	85 11.3 2317	77 47.5 2190	62 41.6 2680	35 12.0 2985	69 45.0 2141
3	86 56.8 2324	79 36.2 2197	64 18.7 2671	36 42.6 2923	67 55.1 2148
6	88 42.2 2332	81 24.7 2205	65 56.0 2664	38 14.4 2870	66 5.3 2156
9	90 27.4 2340	83 13.0 2213	67 33.5 2660	39 47.3 2826	64 15.8 2165
12	92 12.4 2350	85 1.1 2222	69 11.1 2656	41 21.2 2788	62 26.5 2174
15	93 57.2 2359	86 49.0 2230	70 48.7 2655	42 55.9 2756	60 37.4 2183
18	95 41.8 2370	88 36.7 2240	72 26.4 2655	44 31.4 2730	58 48.5 2193
21	97 26.0 2381	90 24.2 2250	74 4.0 2656	46 7.3 2708	56 59.8 2202
5 UT	+Altair	+Enif	+Fomalhaut	–Aldebaran	–Sun
0	75 41.7 2659	47 43.8 2690	44 30.0 3033	55 11.4 2212	117 24.5 2523
3	77 19.2 2663	49 20.7 2674	45 59.5 2994	53 23.3 2222	115 43.8 2534
6	78 56.7 2668	50 57.9 2662	47 29.8 2962	51 35.4 2233	114 3.4 2545
9	80 34.1 2674	52 35.4 2653	49 0.8 2934	49 47.8 2244	112 23.2 2556
12	82 11.3 2681	54 13.1 2646	50 32.4 2910	48 0.4 2254	110 43.3 2567
15	83 48.4 2689	55 51.0 2641	52 4.5 2890	46 13.3 2265	109 3.7 2578
18	85 25.3 2698	57 29.0 2637	53 37.0 2873	44 26.5 2277	107 24.3 2591
21	87 2.0 2709	59 7.0 2636	55 9.9 2859	42 39.9 2288	105 45.1 2603

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6 UT	+Enif	+Fomalhaut	+Markab	–Aldebaran	–Sun
0	60 45.1 2635	56 43.1 2848	41 1.5 2862	40 53.7 2300	104 6.3 2615
3	62 23.2 2636	58 16.5 2839	42 34.6 2837	39 7.7 2311	102 27.7 2627
6	64 1.3 2638	59 50.1 2832	44 8.3 2816	37 22.0 2323	100 49.4 2639
9	65 39.4 2641	61 23.9 2827	45 42.4 2799	35 36.6 2335	99 11.4 2652
12	67 17.3 2646	62 57.8 2824	47 16.8 2786	33 51.4 2347	97 33.7 2664
15	68 55.2 2651	64 31.7 2822	48 51.6 2775	32 6.6 2359	95 56.2 2677
18	70 33.0 2656	66 5.7 2822	50 26.6 2766	30 22.1 2371	94 19.1 2690
21	72 10.6 2663	67 39.6 2823	52 1.8 2760	28 37.8 2383	92 42.2 2703
7 UT	+Enif	+Fomalhaut	+Markab	–Betelgeuse	–Sun
0	73 48.1 2670	69 13.6 2825	53 37.1 2756	46 48.5 2549	91 5.6 2715
3	75 25.4 2678	70 47.5 2828	55 12.5 2753	45 8.4 2571	89 29.3 2729
6	77 2.6 2686	72 21.4 2832	56 48.0 2751	43 28.8 2593	87 53.3 2741
9	78 39.5 2695	73 55.2 2836	58 23.5 2751	41 49.8 2617	86 17.5 2754
12	80 16.3 2704	75 28.8 2842	59 59.1 2752	40 11.3 2643	84 42.1 2767
15	81 52.9 2713	77 2.4 2849	61 34.6 2754	38 33.4 2671	83 6.9 2780
18	83 29.3 2723	78 35.8 2856	63 10.0 2757	36 56.0 2700	81 32.0 2792
21	85 5.4 2734	80 9.0 2863	64 45.4 2761	35 19.4 2733	79 57.4 2805
8 UT	+Fomalhaut	+Markab	+Diphda	–Betelgeuse	–Sun
0	81 42.1 2872	66 20.7 2766	54 57.8 2925	33 43.5 2768	78 23.0 2818
3	83 15.0 2881	67 55.9 2770	56 29.5 2920	32 8.3 2807	76 49.0 2830
6	84 47.7 2890	69 31.0 2776	58 1.4 2916	30 34.0 2851	75 15.2 2843
9	86 20.2 2900	71 6.0 2782	59 33.4 2914	29 0.7 2900	73 41.6 2855
12	87 52.5 2911	72 40.9 2789	61 5.4 2913	27 28.4 2956	72 8.4 2867
15	89 24.6 2922	74 15.6 2796	62 37.4 2913	25 57.2 3022	70 35.4 2880
18	90 56.4 2933	75 50.1 2804	64 9.4 2914	24 27.5 3098	69 2.6 2892
21	92 28.0 2945	77 24.5 2812	65 41.4 2916	22 59.3 3188	67 30.2 2904
9 UT	+Markab	+Diphda	+Hamal	+Menkar	–Sun
0	78 58.7 2820	67 13.4 2918	35 26.9 2917	26 33.2 2853	65 57.9 2916
3	80 32.7 2828	68 45.3 2921	36 58.8 2903	28 6.5 2835	64 26.0 2928
6	82 6.5 2837	70 17.2 2926	38 31.1 2892	29 40.2 2823	62 54.3 2940
9	83 40.2 2847	71 48.9 2930	40 3.6 2884	31 14.1 2814	61 22.8 2951
12	85 13.6 2856	73 20.6 2935	41 36.2 2876	32 48.3 2806	59 51.6 2963
15	86 46.9 2866	74 52.2 2941	43 9.0 2872	34 22.6 2802	58 20.6 2975
18	88 19.9 2875	76 23.6 2946	44 41.9 2869	35 57.0 2799	56 49.9 2986
21	89 52.7 2886	77 54.9 2953	46 14.9 2867	37 31.5 2799	55 19.4 2998
10 UT	+Markab	+Hamal	+Menkar	+Aldebaran	–Sun
0	91 25.4 2896	47 47.9 2866	39 6.0 2798	13 22.0 2668	53 49.1 3008
3	92 57.7 2907	49 20.9 2867	40 40.4 2800	14 59.3 2677	52 19.1 3020
6	94 29.9 2917	50 53.9 2868	42 14.9 2802	16 36.5 2686	50 49.3 3031
9	96 1.8 2929	52 26.9 2870	43 49.3 2805	18 13.4 2695	49 19.7 3042
12	97 33.5 2940	53 59.9 2872	45 23.7 2809	19 50.2 2704	47 50.4 3053
15	99 5.0 2951	55 32.8 2875	46 57.9 2812	21 26.8 2714	46 21.3 3064
18	100 36.2 2963	57 5.6 2879	48 32.1 2817	23 3.1 2723	44 52.4 3075
21	102 7.2 2976	58 38.4 2883	50 6.2 2822	24 39.3 2732	43 23.7 3085

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11 UT	+Markab	+Hamal	+Menkar	+Aldebaran	–Sun
0	103 37.9 2988	60 11.0 2887	51 40.2 2827	26 15.2 2740	41 55.3 3096
3	105 8.4 3001	61 43.6 2892	53 14.1 2832	27 51.0 2750	40 27.0 3107
6	106 38.5 3014	63 16.1 2897	54 47.8 2838	29 26.5 2758	38 59.0 3118
9	108 8.4 3028	64 48.5 2902	56 21.5 2844	31 1.9 2767	37 31.2 3128
12	109 38.1 3041	66 20.7 2907	57 55.0 2850	32 37.1 2775	36 3.7 3139
15	111 7.4 3056	67 52.9 2913	59 28.3 2856	34 12.1 2785	34 36.3 3150
18	112 36.5 3071	69 24.9 2919	61 1.6 2862	35 46.8 2793	33 9.2 3161
21	114 5.2 3086	70 56.8 2925	62 34.7 2868	37 21.5 2801	31 42.3 3172
12 UT	+Aldebaran	+Alnilam	+Elnath	+Betelgeuse	–Sun
0	38 55.9 2809	31 18.6 3899	28 13.4 3139	22 39.9 3367	30 15.6 3185
3	40 30.2 2817	32 31.9 3817	29 40.8 3117	24 2.8 3310	28 49.1 3196
6	42 4.2 2826	33 46.6 3746	31 8.6 3099	25 26.7 3265	27 22.9 3208
9	43 38.1 2833	35 2.6 3684	32 36.8 3085	26 51.6 3228	25 56.9 3221
12	45 11.9 2841	36 19.6 3631	34 5.2 3073	28 17.2 3197	24 31.2 3234
15	46 45.4 2849	37 37.7 3584	35 33.9 3064	29 43.4 3173	23 5.7 3248
18	48 18.8 2857	38 56.5 3544	37 2.8 3057	31 10.1 3152	21 40.5 3263
21	49 52.0 2865	40 16.1 3509	38 31.9 3052	32 37.2 3136	20 15.6 3280
13 UT	+Aldebaran	+Bellatrix	+Elnath	+Betelgeuse	–Sun
0	51 25.1 2872	41 31.6 3080	40 1.0 3047	34 4.6 3123	18 51.1 3299
3	52 58.0 2880	43 0.1 3076	41 30.2 3045	35 32.3 3112	17 26.9 3321
6	54 30.7 2887	44 28.7 3073	42 59.5 3042	37 0.2 3104	16 3.1 3345
9	56 3.3 2894	45 57.5 3071	44 28.8 3042	38 28.2 3096	14 39.8 3375
12	57 35.7 2902	47 26.2 3070	45 58.2 3042	39 56.5 3091	13 17.0 3414
15	59 8.0 2909	48 55.0 3069	47 27.5 3042	41 24.8 3087	11 55.0 3463
18	60 40.1 2916	50 23.8 3069	48 56.8 3043	42 53.2 3084	10 33.9 3532
21	62 12.1 2923	51 52.5 3070	50 26.2 3044	44 21.7 3082	9 14.1 3634
16 UT	+Sun	–Spica	–Rasalhague	–Kaus Aust.	–Nunki
0	15 24.2 3485	45 55.2 3046	102 59.2 3718	116 11.5 3243	124 15.3 3095
3	16 44.9 3476	44 25.9 3052	101 42.8 3715	114 46.2 3243	122 47.1 3097
6	18 5.7 3469	42 56.8 3058	100 26.3 3713	113 20.9 3243	121 18.9 3099
9	19 26.6 3465	41 27.8 3064	99 9.7 3711	111 55.6 3243	119 50.7 3102
12	20 47.7 3462	39 58.9 3070	97 53.1 3710	110 30.3 3243	118 22.6 3104
15	22 8.8 3461	38 30.1 3076	96 36.6 3711	109 5.0 3244	116 54.5 3107
18	23 29.9 3460	37 1.5 3082	95 20.0 3711	107 39.7 3244	115 26.5 3109
21	24 51.0 3459	35 33.0 3087	94 3.4 3712	106 14.5 3245	113 58.6 3111
17 UT	+Sun	–Spica	–Saturn	–Kaus Aust.	–Nunki
0	26 12.2 3459	34 4.6 3093	68 31.7 3071	104 49.2 3246	112 30.7 3114
3	27 33.3 3460	32 36.3 3100	67 3.0 3074	103 24.0 3247	111 2.8 3116
6	28 54.5 3461	31 8.1 3106	65 34.3 3077	101 58.8 3248	109 35.0 3118
9	30 15.6 3460	29 40.1 3113	64 5.7 3080	100 33.6 3248	108 7.2 3119
12	31 36.7 3461	28 12.2 3120	62 37.1 3083	99 8.4 3250	106 39.4 3121
15	32 57.9 3462	26 44.5 3128	61 8.6 3085	97 43.2 3250	105 11.7 3122
18	34 19.0 3462	25 16.9 3136	59 40.1 3087	96 18.1 3251	103 44.0 3124
21	35 40.1 3463	23 49.5 3146	58 11.7 3089	94 52.9 3252	102 16.3 3125

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18 UT	+Sun	–Saturn	–Kaus Aust.	–Nunki	–Altair
0	37 1.2 3463	56 43.4 3091	93 27.8 3253	100 48.7 3126	116 0.9 3602
3	38 22.2 3463	55 15.0 3093	92 2.7 3254	99 21.0 3127	114 42.4 3591
6	39 43.3 3462	53 46.7 3093	90 37.6 3254	97 53.4 3127	113 23.7 3580
9	41 4.4 3462	52 18.4 3094	89 12.6 3255	96 25.8 3127	112 4.8 3570
12	42 25.5 3462	50 50.2 3094	87 47.5 3256	94 58.2 3127	110 45.6 3561
15	43 46.6 3460	49 21.9 3094	86 22.5 3256	93 30.6 3126	109 26.4 3551
18	45 7.8 3459	47 53.6 3095	84 57.4 3256	92 3.0 3126	108 6.9 3543
21	46 28.9 3457	46 25.4 3094	83 32.4 3256	90 35.4 3125	106 47.3 3535
19 UT	+Sun	–Saturn	–Antares	–Peacock	–Altair
0	47 50.1 3456	44 57.1 3094	56 40.1 3161	99 6.3 4339	105 27.6 3527
3	49 11.3 3453	43 28.8 3092	55 13.2 3163	98 0.0 4328	104 7.7 3519
6	50 32.6 3450	42 0.5 3091	53 46.3 3165	96 53.6 4318	102 47.6 3513
9	51 53.9 3448	40 32.2 3090	52 19.4 3166	95 47.0 4310	101 27.5 3506
12	53 15.3 3444	39 3.8 3087	50 52.6 3168	94 40.3 4301	100 7.2 3499
15	54 36.7 3440	37 35.4 3085	49 25.8 3169	93 33.4 4294	98 46.8 3492
18	55 58.2 3436	36 7.0 3083	47 59.1 3171	92 26.4 4288	97 26.2 3486
21	57 19.8 3432	34 38.5 3080	46 32.4 3173	91 19.4 4283	96 5.6 3480
20 UT	+Sun	–Saturn	–Peacock	–Al na'ir	–Enif
0	58 41.5 3427	33 9.9 3077	90 12.3 4278	108 31.9 4132	122 41.5 3417
3	60 3.2 3422	31 41.3 3074	89 5.1 4275	107 22.4 4110	121 19.5 3401
6	61 25.1 3416	30 12.6 3070	87 57.8 4272	106 12.5 4088	119 57.3 3385
9	62 47.0 3410	28 43.8 3067	86 50.5 4271	105 2.3 4069	118 34.7 3370
12	64 9.1 3402	27 15.0 3063	85 43.2 4269	103 51.8 4049	117 11.9 3355
15	65 31.3 3396	25 46.1 3059	84 35.9 4270	102 41.0 4031	115 48.8 3341
18	66 53.7 3389	24 17.1 3055	83 28.5 4271	101 29.8 4014	114 25.4 3327
21	68 16.2 3381	22 48.0 3051	82 21.2 4273	100 18.4 3997	113 1.7 3313
21 UT	+Sun	+Spica	–Saturn	–Al na'ir	–Fomalhaut
0	69 38.8 3372	14 9.7 3175	21 18.9 3048	99 6.7 3981	116 4.7 3472
3	71 1.6 3363	15 36.3 3138	19 49.7 3045	97 54.7 3966	114 43.8 3453
6	72 24.6 3355	17 3.7 3107	18 20.4 3044	96 42.5 3952	113 22.5 3435
9	73 47.7 3344	18 31.7 3080	16 51.1 3043	95 30.1 3938	112 0.9 3416
12	75 11.0 3334	20 0.3 3058	15 21.8 3046	94 17.4 3925	110 38.9 3398
15	76 34.5 3324	21 29.3 3037	13 52.6 3053	93 4.5 3913	109 16.6 3381
18	77 58.3 3312	22 58.7 3017	12 23.4 3065	91 51.4 3901	107 54.0 3363
21	79 22.2 3301	24 28.6 2999	10 54.6 3088	90 38.1 3889	106 31.0 3346
22 UT	+Sun	+Spica	–Nunki	–Fomalhaut	–Markab
0	80 46.4 3289	25 58.8 2982	53 42.8 3005	105 7.7 3330	120 33.4 3244
3	82 10.8 3276	27 29.4 2965	52 12.7 2997	103 44.1 3313	119 8.1 3223
6	83 35.4 3263	29 0.3 2949	50 42.4 2988	102 20.2 3296	117 42.5 3203
9	85 0.3 3250	30 31.6 2933	49 11.9 2980	100 55.9 3280	116 16.4 3183
12	86 25.5 3236	32 3.2 2917	47 41.3 2972	99 31.4 3264	114 49.9 3163
15	87 50.9 3222	33 35.1 2901	46 10.5 2964	98 6.5 3248	113 23.0 3143
18	89 16.6 3207	35 7.4 2885	44 39.6 2956	96 41.3 3232	111 55.7 3124
21	90 42.6 3193	36 40.0 2869	43 8.5 2949	95 15.8 3217	110 28.1 3105

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23 UT	+Sun	+Spica	+Zubenelgen	–Nunki	–Markab
0	92 8.9 3177	38 13.0 2853	16 56.6 2904	41 37.2 2941	109 0.0 3086
3	93 35.5 3161	39 46.3 2836	18 28.8 2877	40 5.8 2934	107 31.6 3066
6	95 2.4 3145	41 20.0 2820	20 1.6 2853	38 34.2 2928	106 2.7 3048
9	96 29.7 3128	42 54.0 2803	21 34.9 2830	37 2.5 2923	104 33.5 3028
12	97 57.3 3111	44 28.4 2786	23 8.7 2809	35 30.6 2919	103 3.9 3010
15	99 25.2 3094	46 3.2 2769	24 43.0 2788	33 58.7 2916	101 33.9 2991
18	100 53.4 3077	47 38.3 2752	26 17.7 2767	32 26.8 2916	100 3.5 2973
21	102 22.1 3059	49 13.8 2735	27 52.9 2747	30 54.8 2917	98 32.7 2954
24 UT	+Sun	+Spica	+Zubenelgen	–Nunki	–Fomalhaut
0	103 51.1 3041	50 49.7 2717	29 28.5 2728	29 22.9 2921	82 12.6 3083
3	105 20.4 3022	52 26.0 2699	31 4.5 2708	27 51.0 2929	80 44.1 3069
6	106 50.2 3004	54 2.7 2681	32 41.0 2688	26 19.3 2942	79 15.3 3057
9	108 20.3 2985	55 39.7 2663	34 17.9 2669	24 47.9 2961	77 46.3 3044
12	109 50.8 2965	57 17.2 2644	35 55.3 2649	23 16.9 2987	76 17.0 3031
15	111 21.7 2946	58 55.1 2626	37 33.1 2630	21 46.4 3024	74 47.4 3020
18	112 53.1 2927	60 33.4 2607	39 11.3 2611	20 16.7 3076	73 17.6 3009
21	114 24.8 2907	62 12.2 2589	40 50.0 2591	18 48.1 3148	71 47.6 2999
25 UT	+Antares	+Sabik	–Enif	–Fomalhaut	–Markab
0	20 6.5 3076	9 31.7 2649	64 28.8 2879	70 17.4 2989	84 38.4 2793
3	21 35.2 2986	11 9.5 2607	62 56.0 2871	68 46.9 2980	83 3.8 2776
6	23 5.7 2910	12 48.2 2573	61 23.1 2863	67 16.3 2972	81 28.8 2760
9	24 37.8 2844	14 27.8 2543	59 50.0 2856	65 45.5 2966	79 53.5 2743
12	26 11.3 2786	16 8.0 2516	58 16.7 2851	64 14.6 2961	78 17.8 2728
15	27 46.0 2735	17 48.8 2491	56 43.4 2846	62 43.6 2956	76 41.7 2712
18	29 21.9 2689	19 30.2 2469	55 9.9 2844	61 12.5 2954	75 5.4 2698
21	30 58.8 2647	21 12.2 2446	53 36.4 2843	59 41.3 2954	73 28.6 2683
26 UT	+Saturn	+Sabik	–Enif	–Fomalhaut	–Markab
0	42 26.7 2428	22 54.6 2425	52 2.9 2845	58 10.2 2955	71 51.6 2670
3	44 9.7 2408	24 37.6 2404	50 29.4 2849	56 39.0 2959	70 14.3 2657
6	45 53.0 2390	26 21.1 2384	48 56.0 2855	55 8.0 2965	68 36.7 2645
9	47 36.8 2370	28 5.0 2364	47 22.8 2865	53 37.0 2974	66 58.8 2634
12	49 21.1 2352	29 49.5 2344	45 49.7 2878	52 6.3 2986	65 20.6 2624
15	51 5.8 2334	31 34.4 2325	44 16.9 2895	50 35.8 3002	63 42.3 2614
18	52 51.0 2316	33 19.8 2306	42 44.5 2918	49 5.6 3022	62 3.7 2607
21	54 36.6 2297	35 5.6 2288	41 12.6 2946	47 35.9 3047	60 24.9 2600
27 UT	+Saturn	+Shaula	+Kaus Aust.	+Nunki	–Markab
0	56 22.6 2281	35 24.8 3051	25 21.1 3401	15 1.6 3044	58 46.0 2596
3	58 9.1 2263	36 53.9 2970	26 43.4 3250	16 30.9 2878	57 7.0 2592
6	59 56.0 2246	38 24.8 2899	28 8.5 3122	18 3.7 2751	55 28.0 2591
9	61 43.3 2230	39 57.1 2833	29 36.2 3011	19 39.2 2650	53 48.8 2591
12	63 31.0 2213	41 30.8 2775	31 6.2 2916	21 17.0 2568	52 9.7 2595
15	65 19.1 2198	43 5.8 2722	32 38.2 2832	22 56.6 2501	50 30.7 2601
18	67 7.6 2183	44 42.0 2673	34 11.9 2759	24 37.8 2445	48 51.8 2610
21	68 56.5 2168	46 19.2 2628	35 47.3 2694	26 20.3 2396	47 13.1 2622

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Markab
0	60 14.7 2215	47 57.5 2587	37 24.0 2636	28 4.0 2355	45 34.7 2639
3	62 2.8 2199	49 36.7 2550	39 2.1 2585	29 48.6 2318	43 56.7 2660
6	63 51.3 2183	51 16.7 2516	40 41.4 2539	31 34.2 2286	42 19.1 2686
9	65 40.2 2169	52 57.6 2484	42 21.7 2497	33 20.5 2257	40 42.2 2718
12	67 29.4 2155	54 39.2 2455	44 3.0 2459	35 7.5 2231	39 5.9 2758
15	69 19.0 2142	56 21.5 2428	45 45.1 2425	36 55.2 2208	37 30.6 2806
18	71 8.9 2130	58 4.4 2403	47 28.1 2394	38 43.5 2187	35 56.2 2865
21	72 59.1 2119	59 47.8 2381	49 11.8 2366	40 32.2 2168	34 23.2 2936
29 UT	+Rasalhague	+Shaula	+Kaus Aust.	+Nunki	–Aldebaran
0	65 30.7 2851	61 31.9 2360	50 56.2 2341	42 21.5 2151	105 44.9 2045
3	67 4.1 2820	63 16.4 2341	52 41.2 2318	44 11.2 2135	103 52.5 2037
6	68 38.1 2792	65 1.4 2324	54 26.7 2297	46 1.3 2121	101 59.9 2029
9	70 12.7 2766	66 46.8 2309	56 12.8 2278	47 51.7 2109	100 7.1 2021
12	71 47.9 2744	68 32.6 2295	57 59.3 2261	49 42.5 2098	98 14.1 2015
15	73 23.6 2724	70 18.7 2282	59 46.2 2246	51 33.5 2087	96 20.9 2009
18	74 59.7 2706	72 5.1 2272	61 33.5 2233	53 24.8 2079	94 27.6 2004
21	76 36.2 2691	73 51.7 2262	63 21.2 2221	55 16.3 2071	92 34.1 2000
30 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	78 13.1 2678	65 9.1 2211	57 8.0 2064	44 56.3 2907	90 40.6 1996
3	79 50.2 2667	66 57.3 2202	58 59.9 2059	46 28.5 2849	88 46.9 1993
6	81 27.6 2658	68 45.7 2195	60 52.0 2055	48 1.9 2797	86 53.2 1992
9	83 5.2 2652	70 34.2 2189	62 44.1 2051	49 36.4 2751	84 59.4 1990
12	84 42.9 2647	72 23.0 2184	64 36.3 2049	51 11.9 2711	83 5.6 1990
15	86 20.8 2645	74 11.8 2181	66 28.6 2048	52 48.3 2676	81 11.8 1990
18	87 58.7 2644	76 0.7 2179	68 20.9 2047	54 25.5 2645	79 17.9 1991
21	89 36.6 2646	77 49.7 2178	70 13.3 2048	56 3.4 2618	77 24.1 1993
31 UT	+Kaus Aust.	+Nunki	+Altair	+Enif	–Aldebaran
0	79 38.7 2178	72 5.6 2049	57 41.9 2595	30 42.8 3138	75 30.4 1995
3	81 27.7 2180	73 57.9 2051	59 21.0 2574	32 10.2 3025	73 36.7 1998
6	83 16.6 2182	75 50.1 2054	61 0.4 2558	33 39.9 2932	71 43.1 2003
9	85 5.5 2186	77 42.3 2058	62 40.3 2544	35 11.5 2852	69 49.6 2007
12	86 54.3 2191	79 34.3 2063	64 20.5 2532	36 44.8 2786	67 56.3 2013
15	88 43.0 2197	81 26.2 2069	66 1.0 2524	38 19.6 2730	66 3.0 2019
18	90 31.5 2204	83 18.0 2075	67 41.6 2517	39 55.6 2683	64 10.0 2025
21	92 19.9 2211	85 9.6 2082	69 22.4 2512	41 32.6 2643	62 17.1 2033