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1 UT	+Jupiter	–Aldebaran	–Capella	–Elnath	–Sun
0	12 17.9 3658	57 13.5 3066	68 3.8 3357	68 45.0 3012	114 54.9 3364
3	13 35.5 3519	55 44.7 3060	66 40.7 3358	67 15.0 3005	113 32.0 3356
6	14 55.5 3414	54 15.7 3055	65 17.6 3359	65 44.9 2997	112 8.9 3348
9	16 17.5 3332	52 46.7 3049	63 54.6 3360	64 14.6 2988	110 45.6 3338
12	17 41.1 3267	51 17.5 3043	62 31.5 3362	62 44.2 2980	109 22.2 3328
15	19 5.9 3214	49 48.2 3038	61 8.5 3364	61 13.6 2971	107 58.5 3319
18	20 31.7 3169	48 18.7 3032	59 45.6 3367	59 42.8 2961	106 34.7 3307
21	21 58.5 3130	46 49.2 3026	58 22.7 3370	58 11.8 2952	105 10.7 3297
2 UT	+Jupiter	–Aldebaran	–Elnath	–Capella	–Sun
0	23 26.1 3096	45 19.5 3020	56 40.5 2942	56 59.8 3376	103 46.4 3285
3	24 54.3 3066	43 49.7 3014	55 9.1 2931	55 37.1 3381	102 22.0 3273
6	26 23.2 3037	42 19.8 3008	53 37.5 2920	54 14.5 3388	100 57.3 3261
9	27 52.6 3012	40 49.8 3003	52 5.6 2909	52 52.0 3396	99 32.3 3249
12	29 22.5 2988	39 19.6 2998	50 33.5 2897	51 29.7 3406	98 7.2 3235
15	30 53.0 2965	37 49.4 2994	49 1.1 2886	50 7.5 3418	96 41.7 3222
18	32 23.9 2943	36 19.1 2991	47 28.5 2873	48 45.6 3431	95 16.0 3207
21	33 55.3 2922	34 48.7 2989	45 55.7 2861	47 23.9 3448	93 50.0 3194
3 UT	+Markab	+Jupiter	–Aldebaran	–Elnath	–Sun
0	45 47.8 3102	35 27.2 2902	33 18.2 2987	44 22.5 2848	92 23.7 3178
3	47 15.9 3074	36 59.5 2881	31 47.8 2988	42 49.1 2836	90 57.2 3164
6	48 44.6 3048	38 32.2 2861	30 17.3 2990	41 15.4 2822	89 30.3 3148
9	50 13.8 3022	40 5.3 2842	28 46.9 2995	39 41.5 2809	88 3.1 3132
12	51 43.6 2997	41 38.8 2823	27 16.6 3004	38 7.2 2796	86 35.6 3116
15	53 13.8 2972	43 12.8 2803	25 46.5 3017	36 32.6 2782	85 7.8 3099
18	54 44.6 2948	44 47.2 2784	24 16.6 3035	34 57.8 2768	83 39.6 3081
21	56 15.9 2924	46 22.0 2765	22 47.2 3061	33 22.6 2755	82 11.1 3065
4 UT	+Markab	+Jupiter	+Hamal	–Elnath	–Sun
0	57 47.7 2901	47 57.2 2746	14 13.4 3002	31 47.2 2741	80 42.2 3047
3	59 20.0 2878	49 32.8 2727	15 43.6 2931	30 11.4 2728	79 13.0 3029
6	60 52.8 2855	51 8.9 2707	17 15.2 2874	28 35.4 2715	77 43.4 3011
9	62 26.1 2832	52 45.4 2688	18 48.1 2826	26 59.1 2702	76 13.4 2992
12	63 59.8 2810	54 22.3 2669	20 22.0 2785	25 22.5 2691	74 43.0 2975
15	65 34.0 2788	55 59.7 2649	21 56.8 2747	23 45.6 2680	73 12.3 2954
18	67 8.8 2766	57 37.5 2630	23 32.4 2714	22 8.6 2672	71 41.1 2936
21	68 44.0 2744	59 15.7 2610	25 8.7 2683	20 31.3 2665	70 9.6 2916
5 UT	+Markab	+Jupiter	+Hamal	–Elnath	–Sun
0	70 19.6 2723	60 54.4 2591	26 45.8 2654	18 53.8 2662	68 37.6 2897
3	71 55.8 2702	62 33.5 2571	28 23.4 2627	17 16.3 2663	67 5.3 2878
6	73 32.4 2680	64 13.1 2552	30 1.7 2601	15 38.9 2671	65 32.5 2858
9	75 9.5 2660	65 53.1 2532	31 40.6 2576	14 1.6 2690	63 59.3 2838
12	76 47.0 2639	67 33.5 2512	33 20.1 2552	12 24.7 2727	62 25.7 2818
15	78 25.1 2619	69 14.5 2493	35 0.1 2529	10 48.6 2794	60 51.6 2799
18	80 3.5 2598	70 55.8 2473	36 40.6 2505	9 14.0 2918	59 17.1 2778
21	81 42.5 2578	72 37.7 2454	38 21.7 2483	7 42.1 3160	57 42.2 2759

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6 UT	+Markab	+Jupiter	+Alpheratz	+Hamal	–Sun
0	83 21.9 2558	74 19.9 2435	64 45.2 2764	40 3.3 2461	56 6.8 2739
3	85 1.8 2539	76 2.7 2416	66 20.4 2737	41 45.4 2440	54 31.0 2720
6	86 42.1 2520	77 45.9 2396	67 56.3 2710	43 28.1 2418	52 54.8 2700
9	88 22.8 2501	79 29.5 2378	69 32.7 2684	45 11.2 2398	51 18.2 2681
12	90 4.0 2483	81 13.6 2359	71 9.7 2660	46 54.8 2378	49 41.1 2661
15	91 45.6 2465	82 58.2 2340	72 47.3 2635	48 38.9 2357	48 3.5 2642
18	93 27.6 2448	84 43.2 2322	74 25.4 2612	50 23.5 2338	46 25.6 2624
21	95 10.0 2430	86 28.6 2304	76 4.0 2589	52 8.6 2318	44 47.2 2605
7 UT	+Jupiter	+Hamal	+Aldebaran	+Elnath	–Sun
0	88 14.5 2286	53 54.1 2300	22 15.0 2579	9 37.5 2564	43 8.4 2587
3	90 0.8 2269	55 40.1 2281	23 54.4 2522	11 17.2 2468	41 29.2 2570
6	91 47.6 2252	57 26.5 2263	25 35.1 2472	12 59.2 2400	39 49.6 2553
9	93 34.7 2235	59 13.4 2245	27 16.9 2428	14 42.7 2349	38 9.6 2536
12	95 22.3 2219	61 0.8 2228	28 59.8 2389	16 27.5 2308	36 29.3 2520
15	97 10.3 2203	62 48.5 2211	30 43.6 2355	18 13.3 2274	34 48.5 2504
18	98 58.7 2188	64 36.7 2195	32 28.3 2323	19 59.9 2244	33 7.4 2489
21	100 47.4 2173	66 25.2 2179	34 13.7 2295	21 47.3 2219	31 25.9 2476
8 UT	+Jupiter	+Hamal	+Aldebaran	+Elnath	–Sun
0	102 36.5 2159	68 14.2 2164	35 59.8 2269	23 35.3 2196	29 44.2 2462
3	104 26.0 2144	70 3.5 2149	37 46.5 2244	25 23.8 2175	28 2.1 2450
6	106 15.9 2132	71 53.3 2135	39 33.9 2222	27 12.9 2156	26 19.7 2440
9	108 6.0 2119	73 43.3 2122	41 21.8 2201	29 2.5 2138	24 37.1 2430
12	109 56.5 2107	75 33.8 2109	43 10.2 2182	30 52.5 2122	22 54.2 2423
15	111 47.3 2096	77 24.5 2096	44 59.1 2164	32 42.9 2107	21 11.2 2417
18	113 38.4 2086	79 15.6 2085	46 48.5 2148	34 33.7 2093	19 28.0 2415
21	115 29.7 2076	81 6.9 2074	48 38.2 2132	36 24.9 2080	17 44.8 2416
11 UT	+Sun	–Venus	–Mars	–Spica	–Antares
0	12 58.8 2375	33 25.5 2325	37 0.1 2223	53 19.0 1992	98 55.3 1985
3	14 42.9 2354	31 40.2 2331	35 12.2 2231	51 25.2 1995	97 1.4 1987
6	16 27.6 2341	29 54.9 2340	33 24.5 2241	49 31.5 1999	95 7.5 1991
9	18 12.6 2334	28 9.9 2349	31 37.1 2253	47 38.0 2003	93 13.7 1994
12	19 57.7 2330	26 25.1 2362	29 50.0 2267	45 44.5 2009	91 20.0 1999
15	21 43.0 2329	24 40.7 2377	28 3.2 2284	43 51.2 2016	89 26.4 2005
18	23 28.3 2330	22 56.5 2394	26 16.8 2303	41 58.0 2022	87 32.9 2011
21	25 13.5 2333	21 12.8 2416	24 30.9 2327	40 5.0 2031	85 39.7 2018
12 UT	+Sun	–Venus	–Spica	–Zubenelgen	–Antares
0	26 58.7 2337	19 29.6 2442	38 12.3 2039	59 34.4 2042	83 46.6 2026
3	28 43.8 2343	17 47.1 2475	36 19.7 2049	57 42.0 2052	81 53.7 2034
6	30 28.7 2350	16 5.3 2518	34 27.5 2060	55 49.8 2062	80 1.0 2043
9	32 13.4 2359	14 24.5 2574	32 35.4 2071	53 57.8 2072	78 8.6 2052
12	33 58.0 2368	12 45.0 2653	30 43.7 2084	52 6.1 2083	76 16.4 2062
15	35 42.3 2378	11 7.2 2769	28 52.4 2098	50 14.7 2095	74 24.4 2073
18	37 26.4 2388	9 32.1 2953	27 1.3 2113	48 23.6 2108	72 32.8 2084
21	39 10.3 2399	8 0.9 3273	25 10.7 2129	46 32.9 2121	70 41.4 2096

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13 UT	+Sun	–Spica	–Zubenelgen	–Antares	–Shaula
0	40 53.9 2412	23 20.4 2147	44 42.4 2135	68 50.3 2108	82 55.3 2208
3	42 37.2 2425	21 30.6 2167	42 52.3 2150	66 59.6 2121	81 7.1 2222
6	44 20.1 2438	19 41.4 2189	41 2.6 2166	65 9.1 2134	79 19.2 2236
9	46 2.8 2452	17 52.7 2216	39 13.3 2182	63 19.0 2148	77 31.6 2252
12	47 45.2 2466	16 4.6 2247	37 24.5 2199	61 29.3 2162	75 44.5 2267
15	49 27.2 2481	14 17.3 2287	35 36.0 2217	59 39.9 2177	73 57.7 2283
18	51 8.8 2496	12 31.0 2339	33 48.0 2236	57 50.9 2192	72 11.3 2300
21	52 50.1 2512	10 46.0 2414	32 0.4 2256	56 2.2 2206	70 25.3 2318
14 UT	+Sun	+Venus	–Antares	–Shaula	–Kaus Aust.
0	54 31.0 2528	9 26.9 2934	54 13.9 2222	68 39.8 2336	78 59.3 2295
3	56 11.6 2545	10 58.5 2845	52 26.0 2238	66 54.7 2355	77 13.2 2311
6	57 51.8 2561	12 31.9 2793	50 38.5 2254	65 10.0 2374	75 27.5 2328
9	59 31.6 2578	14 6.5 2763	48 51.4 2270	63 25.8 2394	73 42.2 2346
12	61 11.0 2595	15 41.8 2746	47 4.7 2286	61 42.1 2415	71 57.3 2364
15	62 50.0 2612	17 17.4 2738	45 18.4 2303	59 58.9 2436	70 12.9 2382
18	64 28.6 2630	18 53.2 2737	43 32.5 2320	58 16.2 2458	68 28.9 2400
21	66 6.9 2648	20 29.1 2740	41 47.0 2336	56 34.0 2480	66 45.3 2419
15 UT	+Sun	+Venus	–Antares	–Kaus Aust.	–Nunki
0	67 44.7 2666	22 4.8 2746	40 1.9 2354	65 2.2 2439	72 35.2 2358
3	69 22.1 2683	23 40.5 2754	38 17.2 2371	63 19.6 2457	70 50.6 2374
6	70 59.1 2701	25 15.9 2764	36 32.9 2388	61 37.4 2478	69 6.4 2391
9	72 35.8 2719	26 51.2 2776	34 49.1 2406	59 55.6 2498	67 22.7 2408
12	74 12.0 2737	28 26.2 2788	33 5.6 2423	58 14.4 2519	65 39.3 2425
15	75 47.8 2755	30 0.9 2801	31 22.6 2441	56 33.6 2540	63 56.3 2442
18	77 23.3 2773	31 35.3 2815	29 40.0 2458	54 53.3 2561	62 13.8 2459
21	78 58.3 2791	33 9.4 2830	27 57.8 2476	53 13.5 2583	60 31.6 2476
16 UT	+Sun	+Venus	+Spica	–Antares	–Nunki
0	80 33.0 2809	34 43.2 2844	19 40.8 2530	26 16.1 2494	58 49.8 2493
3	82 7.2 2826	36 16.7 2859	21 21.3 2540	24 34.7 2512	57 8.5 2510
6	83 41.1 2845	37 49.9 2875	23 1.6 2551	22 53.8 2531	55 27.5 2527
9	85 14.6 2862	39 22.8 2889	24 41.7 2563	21 13.3 2550	53 46.9 2544
12	86 47.7 2879	40 55.3 2905	26 21.4 2575	19 33.3 2569	52 6.7 2560
15	88 20.5 2896	42 27.5 2921	28 0.9 2588	17 53.7 2590	50 26.9 2577
18	89 52.9 2913	43 59.4 2935	29 40.1 2601	16 14.6 2611	48 47.5 2593
21	91 24.9 2931	45 30.9 2951	31 18.9 2615	14 35.9 2636	47 8.4 2610
17 UT	+Sun	+Venus	+Spica	–Nunki	–Jupiter
0	92 56.5 2947	47 2.2 2966	32 57.5 2629	45 29.8 2626	125 15.9 2626
3	94 27.8 2963	48 33.1 2981	34 35.8 2642	43 51.4 2642	123 37.6 2640
6	95 58.8 2979	50 3.7 2995	36 13.7 2655	42 13.5 2658	121 59.6 2653
9	97 29.4 2996	51 34.0 3011	37 51.4 2669	40 35.9 2675	120 21.9 2666
12	98 59.7 3011	53 3.9 3025	39 28.7 2682	38 58.7 2690	118 44.5 2679
15	100 29.7 3027	54 33.6 3040	41 5.7 2696	37 21.8 2706	117 7.4 2692
18	101 59.3 3042	56 3.0 3054	42 42.5 2709	35 45.3 2722	115 30.6 2705
21	103 28.7 3058	57 32.1 3068	44 18.9 2722	34 9.2 2739	113 54.0 2718

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18 UT	+Sun	+Venus	+Spica	–Nunki	–Jupiter
0	104 57.7 3072	59 0.9 3081	45 55.1 2735	32 33.4 2754	112 17.8 2730
3	106 26.4 3086	60 29.5 3095	47 31.0 2748	30 57.9 2770	110 41.8 2743
6	107 54.8 3101	61 57.7 3108	49 6.6 2760	29 22.8 2787	109 6.1 2754
9	109 23.0 3114	63 25.7 3121	50 41.9 2772	27 48.1 2804	107 30.6 2766
12	110 50.8 3128	64 53.4 3133	52 17.0 2784	26 13.7 2821	105 55.4 2778
15	112 18.4 3142	66 20.9 3146	53 51.8 2796	24 39.7 2839	104 20.5 2789
18	113 45.7 3155	67 48.2 3158	55 26.3 2807	23 6.1 2857	102 45.8 2800
21	115 12.8 3168	69 15.1 3170	57 0.6 2818	21 32.9 2878	101 11.3 2812
19 UT	+Venus	+Spica	+Zubenelgen	+Antares	–Jupiter
0	70 41.9 3181	58 34.7 2829	37 24.9 2858	12 59.9 2863	99 37.1 2822
3	72 8.4 3192	60 8.5 2839	38 58.1 2867	14 33.0 2866	98 3.2 2833
6	73 34.7 3203	61 42.1 2850	40 31.1 2875	16 6.0 2871	96 29.4 2843
9	75 0.8 3214	63 15.5 2860	42 4.0 2884	17 38.9 2877	94 55.9 2853
12	76 26.7 3224	64 48.6 2870	43 36.6 2892	19 11.7 2884	93 22.6 2863
15	77 52.3 3234	66 21.6 2880	45 9.1 2900	20 44.4 2890	91 49.5 2872
18	79 17.8 3244	67 54.3 2889	46 41.4 2908	22 16.9 2898	90 16.6 2881
21	80 43.1 3253	69 26.8 2898	48 13.5 2916	23 49.2 2905	88 43.9 2891
20 UT	+Venus	+Spica	+Zubenelgen	+Antares	–Jupiter
0	82 8.2 3262	70 59.2 2907	49 45.5 2924	25 21.4 2913	87 11.4 2899
3	83 33.1 3271	72 31.3 2915	51 17.3 2932	26 53.5 2920	85 39.1 2908
6	84 57.9 3279	74 3.3 2924	52 48.9 2939	28 25.4 2927	84 6.9 2916
9	86 22.5 3288	75 35.1 2932	54 20.4 2947	29 57.1 2935	82 35.0 2924
12	87 46.9 3296	77 6.7 2940	55 51.7 2954	31 28.6 2942	81 3.2 2932
15	89 11.1 3304	78 38.2 2947	57 22.9 2960	33 0.1 2949	79 31.6 2940
18	90 35.3 3311	80 9.5 2954	58 53.9 2967	34 31.3 2955	78 0.1 2948
21	91 59.2 3318	81 40.7 2961	60 24.8 2973	36 2.5 2962	76 28.8 2954
21 UT	+Venus	+Spica	+Zubenelgen	+Antares	–Jupiter
0	93 23.1 3325	83 11.7 2968	61 55.5 2980	37 33.5 2969	74 57.7 2962
3	94 46.8 3331	84 42.5 2974	63 26.2 2986	39 4.3 2974	73 26.7 2969
6	96 10.3 3338	86 13.3 2981	64 56.7 2992	40 35.1 2980	71 55.8 2975
9	97 33.8 3344	87 43.9 2987	66 27.0 2998	42 5.7 2986	70 25.1 2982
12	98 57.1 3350	89 14.4 2993	67 57.3 3003	43 36.2 2991	68 54.5 2988
15	100 20.3 3355	90 44.7 2998	69 27.4 3008	45 6.6 2997	67 24.1 2994
18	101 43.5 3362	92 15.0 3004	70 57.5 3014	46 36.8 3003	65 53.7 3001
21	103 6.5 3366	93 45.1 3009	72 27.4 3018	48 7.0 3007	64 23.5 3006
22 UT	+Venus	+Antares	+Shaula	+Nunki	–Jupiter
0	104 29.4 3371	49 37.0 3012	37 26.8 3282	17 23.3 3096	62 53.5 3012
3	105 52.2 3376	51 7.0 3017	38 51.4 3270	18 51.5 3089	61 23.5 3018
6	107 14.9 3381	52 36.8 3021	40 16.1 3259	20 19.9 3084	59 53.7 3024
9	108 37.5 3384	54 6.6 3025	41 41.1 3250	21 48.4 3079	58 24.0 3028
12	110 0.1 3389	55 36.3 3029	43 6.3 3242	23 17.0 3077	56 54.3 3034
15	111 22.6 3393	57 5.9 3033	44 31.6 3234	24 45.6 3076	55 24.9 3039
18	112 45.0 3396	58 35.4 3036	45 57.1 3228	26 14.3 3074	53 55.5 3045
21	114 7.3 3400	60 4.9 3040	47 22.6 3223	27 42.9 3074	52 26.2 3050

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23 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Jupiter
0	61 34.2 3043	48 48.3 3218	38 12.6 3231	29 11.6 3074	50 57.0 3055
3	63 3.5 3046	50 14.1 3213	39 38.2 3222	30 40.3 3074	49 27.9 3060
6	64 32.8 3049	51 40.0 3209	41 3.9 3215	32 8.9 3075	47 59.0 3066
9	66 2.0 3052	53 6.0 3206	42 29.7 3209	33 37.6 3076	46 30.1 3071
12	67 31.1 3055	54 32.0 3203	43 55.7 3203	35 6.2 3076	45 1.4 3077
15	69 0.2 3056	55 58.1 3200	45 21.8 3198	36 34.9 3077	43 32.8 3082
18	70 29.2 3059	57 24.2 3198	46 48.0 3193	38 3.5 3078	42 4.3 3088
21	71 58.2 3061	58 50.4 3195	48 14.2 3189	39 32.1 3079	40 35.9 3094
24 UT	+Antares	+Kaus Aust.	+Nunki	–Jupiter	–Hamal
0	73 27.1 3063	49 40.6 3185	41 0.7 3079	39 7.6 3100	74 28.1 3081
3	74 56.0 3065	51 7.0 3182	42 29.2 3081	37 39.5 3108	72 59.6 3084
6	76 24.9 3066	52 33.5 3179	43 57.8 3081	36 11.5 3115	71 31.1 3085
9	77 53.7 3068	54 0.1 3176	45 26.3 3082	34 43.6 3123	70 2.7 3087
12	79 22.6 3069	55 26.7 3174	46 54.8 3082	33 15.9 3132	68 34.3 3089
15	80 51.3 3070	56 53.4 3171	48 23.4 3082	31 48.4 3142	67 5.9 3090
18	82 20.1 3071	58 20.1 3169	49 51.9 3083	30 21.1 3152	65 37.5 3092
21	83 48.8 3072	59 46.9 3167	51 20.4 3083	28 54.0 3165	64 9.2 3093
25 UT	+Antares	+Kaus Aust.	+Nunki	–Jupiter	–Hamal
0	85 17.6 3072	61 13.7 3165	52 48.9 3083	27 27.2 3179	62 41.0 3095
3	86 46.3 3073	62 40.5 3163	54 17.4 3083	26 0.6 3196	61 12.7 3096
6	88 15.0 3072	64 7.4 3160	55 45.9 3083	24 34.4 3216	59 44.5 3097
9	89 43.7 3073	65 34.3 3159	57 14.4 3082	23 8.6 3239	58 16.3 3098
12	91 12.4 3073	67 1.3 3156	58 42.9 3082	21 43.2 3268	56 48.1 3099
15	92 41.1 3072	68 28.3 3154	60 11.4 3081	20 18.4 3303	55 19.9 3099
18	94 9.8 3072	69 55.4 3152	61 39.9 3080	18 54.3 3346	53 51.7 3100
21	95 38.5 3071	71 22.5 3150	63 8.5 3079	17 31.0 3402	52 23.6 3101
26 UT	+Kaus Aust.	+Nunki	–Hamal	–Aldebaran	–Elnath
0	72 49.6 3148	64 37.1 3078	50 55.4 3101	83 44.0 3111	95 32.0 3077
3	74 16.8 3146	66 5.6 3077	49 27.3 3101	82 16.1 3111	94 3.4 3076
6	75 44.0 3144	67 34.3 3076	47 59.2 3102	80 48.1 3110	92 34.8 3076
9	77 11.3 3141	69 2.9 3074	46 31.1 3102	79 20.2 3109	91 6.1 3074
12	78 38.6 3139	70 31.6 3072	45 3.0 3103	77 52.2 3108	89 37.4 3072
15	80 5.9 3136	72 0.3 3070	43 34.9 3103	76 24.2 3106	88 8.7 3070
18	81 33.3 3134	73 29.1 3068	42 6.8 3104	74 56.2 3105	86 40.0 3068
21	83 0.8 3131	74 57.9 3066	40 38.7 3105	73 28.2 3104	85 11.2 3066
27 UT	+Nunki	–Hamal	–Aldebaran	–Capella	–Elnath
0	76 26.7 3063	39 10.7 3105	72 0.1 3102	82 0.3 3365	83 42.3 3064
3	77 55.6 3060	37 42.6 3106	70 32.0 3100	80 37.4 3365	82 13.4 3061
6	79 24.6 3057	36 14.6 3107	69 3.8 3098	79 14.5 3365	80 44.5 3058
9	80 53.6 3054	34 46.6 3108	67 35.6 3096	77 51.5 3365	79 15.5 3055
12	82 22.7 3050	33 18.6 3110	66 7.4 3093	76 28.6 3366	77 46.4 3052
15	83 51.9 3047	31 50.6 3113	64 39.1 3092	75 5.7 3368	76 17.3 3049
18	85 21.1 3043	30 22.8 3116	63 10.8 3089	73 42.8 3368	74 48.1 3045
21	86 50.4 3039	28 54.9 3119	61 42.4 3086	72 20.0 3370	73 18.8 3041

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28 UT	+Jupiter	–Aldebaran	–Capella	–Elnath	–Betelgeuse
0	11 16.9 3790	60 14.0 3083	70 57.1 3372	71 49.5 3036	80 16.8 3226
3	12 32.1 3615	58 45.5 3080	69 34.3 3374	70 20.0 3032	78 51.2 3224
6	13 50.3 3488	57 16.9 3078	68 11.5 3376	68 50.5 3027	77 25.5 3221
9	15 11.0 3392	55 48.3 3075	66 48.8 3379	67 20.8 3022	75 59.7 3218
12	16 33.4 3318	54 19.7 3071	65 26.2 3383	65 51.1 3017	74 34.0 3215
15	17 57.2 3259	52 50.9 3068	64 3.6 3387	64 21.2 3011	73 8.1 3213
18	19 22.2 3211	51 22.1 3065	62 41.1 3392	62 51.3 3006	71 42.2 3211
21	20 48.1 3171	49 53.3 3062	61 18.6 3397	61 21.2 3000	70 16.3 3208
29 UT	+Jupiter	–Aldebaran	–Elnath	–Capella	–Betelgeuse
0	22 14.9 3137	48 24.4 3059	59 51.0 2994	59 56.3 3403	68 50.3 3206
3	23 42.3 3108	46 55.4 3056	58 20.6 2987	58 34.1 3410	67 24.3 3204
6	25 10.2 3082	45 26.3 3053	56 50.2 2980	57 12.0 3418	65 58.2 3202
9	26 38.8 3059	43 57.2 3051	55 19.5 2973	55 50.1 3427	64 32.1 3201
12	28 7.7 3037	42 28.0 3048	53 48.8 2966	54 28.3 3437	63 6.0 3199
15	29 37.2 3018	40 58.8 3046	52 17.9 2958	53 6.8 3449	61 39.9 3199
18	31 7.0 3000	39 29.6 3044	50 46.8 2950	51 45.4 3462	60 13.7 3198
21	32 37.2 2982	38 0.3 3043	49 15.5 2942	50 24.3 3477	58 47.5 3198
30 UT	+Jupiter	–Aldebaran	–Elnath	–Betelgeuse	–Sun
0	34 7.8 2967	36 31.0 3043	47 44.1 2935	57 21.3 3198	121 37.0 3288
3	35 38.7 2950	35 1.7 3043	46 12.6 2925	55 55.1 3198	120 12.6 3277
6	37 9.9 2934	33 32.3 3045	44 40.8 2917	54 29.0 3200	118 47.9 3267
9	38 41.5 2919	32 3.1 3048	43 8.8 2908	53 2.8 3203	117 23.1 3255
12	40 13.4 2904	30 33.8 3053	41 36.7 2899	51 36.7 3206	115 58.0 3243
15	41 45.6 2889	29 4.7 3060	40 4.4 2889	50 10.7 3210	114 32.7 3232
18	43 18.2 2875	27 35.8 3071	38 31.8 2880	48 44.7 3216	113 7.2 3219
21	44 51.0 2860	26 7.0 3084	36 59.1 2870	47 18.9 3223	111 41.5 3206
31 UT	+Markab	+Jupiter	–Elnath	–Betelgeuse	–Sun
0	54 22.1 3043	46 24.2 2845	35 26.2 2861	45 53.2 3232	110 15.4 3194
3	55 51.4 3023	47 57.7 2831	33 53.0 2851	44 27.7 3243	108 49.2 3180
6	57 21.1 3003	49 31.4 2815	32 19.7 2841	43 2.4 3256	107 22.6 3166
9	58 51.3 2984	51 5.6 2801	30 46.1 2832	41 37.4 3272	105 55.8 3152
12	60 21.8 2965	52 40.0 2785	29 12.4 2823	40 12.6 3291	104 28.7 3138
15	61 52.7 2946	54 14.8 2770	27 38.4 2814	38 48.3 3314	103 1.3 3123
18	63 24.1 2927	55 49.9 2755	26 4.3 2807	37 24.4 3341	101 33.7 3109
21	64 55.8 2909	57 25.3 2739	24 29.9 2799	36 1.0 3374	100 5.7 3093