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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Jupiter	–Aldebaran	–Capella	–Elnath	–Betelgeuse
0	58 43.5 2641	54 37.8 2694	65 46.0 2949	66 10.7 2618	74 50.8 2852
3	60 21.4 2626	53 1.0 2684	64 14.8 2945	64 32.2 2604	73 17.5 2842
6	61 59.8 2613	51 24.0 2675	62 43.4 2942	62 53.4 2591	71 43.9 2834
9	63 38.4 2599	49 46.8 2665	61 12.0 2940	61 14.3 2578	70 10.2 2825
12	65 17.3 2586	48 9.3 2657	59 40.5 2940	59 34.9 2564	68 36.3 2818
15	66 56.5 2572	46 31.7 2650	58 9.1 2940	57 55.2 2551	67 2.2 2811
18	68 36.1 2559	44 54.0 2643	56 37.6 2943	56 15.1 2539	65 28.0 2805
21	70 15.9 2546	43 16.0 2637	55 6.2 2947	54 34.8 2526	63 53.7 2800
2 UT	+Jupiter	–Aldebaran	–Elnath	–Pollux	–Mars
0	71 56.1 2533	41 38.0 2632	52 54.2 2513	83 15.3 2534	97 53.4 2649
3	73 36.5 2521	39 59.8 2629	51 13.3 2502	81 34.9 2523	96 15.6 2636
6	75 17.2 2508	38 21.5 2627	49 32.1 2489	79 54.2 2511	94 37.5 2624
9	76 58.3 2496	36 43.3 2627	47 50.7 2478	78 13.2 2499	92 59.2 2611
12	78 39.6 2484	35 5.0 2629	46 9.0 2467	76 32.0 2487	91 20.5 2598
15	80 21.1 2473	33 26.7 2634	44 27.0 2456	74 50.5 2477	89 41.6 2587
18	82 3.0 2461	31 48.6 2642	42 44.7 2445	73 8.8 2466	88 2.4 2574
21	83 45.1 2451	30 10.6 2654	41 2.3 2435	71 26.7 2456	86 22.9 2564
3 UT	+Jupiter	–Elnath	–Pollux	–Procyon	–Mars
0	85 27.4 2440	39 19.5 2426	69 44.5 2446	74 47.9 2594	84 43.1 2552
3	87 10.0 2430	37 36.6 2416	68 2.0 2436	73 8.9 2587	83 3.1 2541
6	88 52.9 2420	35 53.4 2408	66 19.3 2427	71 29.7 2581	81 22.9 2531
9	90 36.0 2411	34 10.0 2399	64 36.4 2419	69 50.3 2575	79 42.4 2521
12	92 19.3 2401	32 26.4 2391	62 53.3 2410	68 10.8 2570	78 1.7 2511
15	94 2.9 2393	30 42.6 2385	61 9.9 2403	66 31.2 2567	76 20.7 2502
18	95 46.6 2384	28 58.7 2378	59 26.4 2395	64 51.6 2563	74 39.6 2493
21	97 30.6 2376	27 14.6 2373	57 42.8 2389	63 11.8 2562	72 58.2 2485
4 UT	+Jupiter	–Elnath	–Pollux	–Procyon	–Mars
0	99 14.7 2368	25 30.4 2369	55 58.9 2383	61 32.1 2562	71 16.6 2476
3	100 59.1 2361	23 46.1 2366	54 14.9 2377	59 52.3 2562	69 34.9 2469
6	102 43.6 2353	22 1.7 2364	52 30.8 2372	58 12.5 2563	67 52.9 2460
9	104 28.3 2347	20 17.3 2365	50 46.6 2368	56 32.7 2566	66 10.8 2454
12	106 13.1 2341	18 32.9 2367	49 2.2 2364	54 53.0 2570	64 28.5 2448
15	107 58.1 2334	16 48.5 2374	47 17.8 2361	53 13.5 2576	62 46.1 2441
18	109 43.2 2329	15 4.3 2386	45 33.3 2359	51 34.0 2585	61 3.5 2436
21	111 28.5 2324	13 20.4 2407	43 48.7 2357	49 54.8 2595	59 20.8 2430
5 UT	+Hamal	–Pollux	–Procyon	–Mars	–Regulus
0	33 49.1 2342	42 4.1 2357	48 15.7 2606	57 37.9 2425	78 43.3 2297
3	35 34.0 2333	40 19.5 2358	46 37.0 2621	55 54.9 2421	76 57.2 2293
6	37 19.2 2325	38 35.0 2359	44 58.5 2638	54 11.9 2416	75 11.1 2288
9	39 4.6 2318	36 50.4 2362	43 20.5 2658	52 28.7 2413	73 24.8 2285
12	40 50.2 2311	35 5.9 2367	41 42.9 2682	50 45.4 2410	71 38.5 2282
15	42 35.9 2306	33 21.6 2373	40 5.9 2711	49 2.1 2407	69 52.0 2279
18	44 21.7 2300	31 37.3 2381	38 29.4 2743	47 18.7 2404	68 5.5 2276
21	46 7.7 2296	29 53.3 2391	36 53.7 2782	45 35.2 2402	66 19.0 2274

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6 UT	+Hamal	−Pollux	−Mars	−Regulus	−Venus
0	47 53.8 2292	28 9.5 2405	43 51.7 2401	64 32.3 2272	121 55.9 2702
3	49 39.9 2289	26 26.1 2422	42 8.2 2400	62 45.7 2270	120 19.3 2698
6	51 26.2 2286	24 43.0 2444	40 24.6 2399	60 59.0 2269	118 42.6 2696
9	53 12.5 2283	23 0.5 2472	38 41.0 2399	59 12.2 2269	117 5.8 2694
12	54 58.9 2281	21 18.6 2509	36 57.4 2400	57 25.5 2268	115 29.0 2692
15	56 45.3 2280	19 37.6 2557	35 13.9 2401	55 38.7 2268	113 52.2 2690
18	58 31.8 2279	17 57.7 2620	33 30.3 2402	53 52.0 2268	112 15.3 2689
21	60 18.3 2277	16 19.3 2706	31 46.8 2404	52 5.2 2268	110 38.4 2688
7 UT	+Aldebaran	+Elnath	−Mars	−Regulus	−Sun
0	30 25.8 2460	17 24.8 2308	30 3.3 2408	50 18.5 2270	125 2.4 2595
3	32 7.9 2442	19 10.6 2300	28 19.9 2411	48 31.7 2271	123 23.4 2595
6	33 50.5 2426	20 56.6 2295	26 36.6 2416	46 45.0 2273	121 44.4 2595
9	35 33.4 2413	22 42.7 2290	24 53.5 2422	44 58.4 2275	120 5.4 2595
12	37 16.7 2402	24 28.9 2287	23 10.4 2430	43 11.8 2277	118 26.4 2596
15	39 0.2 2393	26 15.2 2286	21 27.6 2439	41 25.3 2280	116 47.4 2598
18	40 44.0 2385	28 1.5 2284	19 44.9 2451	39 38.8 2283	115 8.4 2599
21	42 27.9 2379	29 47.9 2284	18 2.5 2466	37 52.4 2286	113 29.5 2600
8 UT	+Hamal	+Aldebaran	+Elnath	−Regulus	−Sun
0	76 16.8 2284	44 12.0 2374	31 34.2 2284	36 6.1 2290	111 50.6 2602
3	78 3.2 2286	45 56.2 2370	33 20.6 2285	34 19.9 2295	110 11.7 2604
6	79 49.5 2288	47 40.5 2367	35 7.0 2286	32 33.8 2301	108 32.9 2606
9	81 35.8 2291	49 24.8 2365	36 53.3 2287	30 47.8 2306	106 54.1 2609
12	83 22.0 2294	51 9.2 2363	38 39.6 2289	29 2.0 2313	105 15.4 2612
15	85 8.1 2296	52 53.7 2362	40 25.8 2291	27 16.3 2320	103 36.8 2614
18	86 54.2 2299	54 38.2 2361	42 12.0 2293	25 30.8 2329	101 58.2 2618
21	88 40.2 2303	56 22.7 2362	43 58.2 2296	23 45.6 2339	100 19.7 2621
9 UT	+Aldebaran	+Elnath	+Pollux	−Regulus	−Sun
0	58 7.1 2362	45 44.2 2299	16 39.9 2639	22 0.5 2352	98 41.3 2624
3	59 51.6 2362	47 30.2 2301	18 17.9 2582	20 15.8 2366	97 2.9 2627
6	61 36.1 2364	49 16.2 2305	19 57.3 2541	18 31.4 2386	95 24.6 2632
9	63 20.5 2365	51 2.1 2308	21 37.5 2509	16 47.5 2409	93 46.4 2635
12	65 4.9 2368	52 47.8 2311	23 18.5 2485	15 4.2 2441	92 8.3 2639
15	66 49.3 2370	54 33.5 2315	25 0.1 2466	13 21.6 2486	90 30.3 2644
18	68 33.5 2372	56 19.2 2318	26 42.1 2451	11 40.0 2552	88 52.4 2647
21	70 17.8 2375	58 4.7 2322	28 24.4 2441	10 0.0 2658	87 14.6 2652
10 UT	+Aldebaran	+Elnath	+Pollux	+Mars	−Sun
0	72 1.9 2378	59 50.1 2326	30 7.0 2432	11 58.3 2585	85 36.8 2657
3	73 46.0 2381	61 35.5 2331	31 49.8 2426	13 37.5 2557	83 59.2 2661
6	75 30.0 2385	63 20.7 2335	33 32.8 2421	15 17.4 2539	82 21.7 2666
9	77 14.0 2389	65 5.8 2339	35 15.8 2418	16 57.7 2527	80 44.3 2671
12	78 57.8 2392	66 50.9 2343	36 59.0 2416	18 38.3 2519	79 7.0 2676
15	80 41.6 2396	68 35.8 2348	38 42.2 2415	20 19.1 2515	77 29.8 2681
18	82 25.2 2400	70 20.6 2352	40 25.4 2414	21 59.9 2511	75 52.7 2686
21	84 8.8 2405	72 5.3 2357	42 8.6 2415	23 40.9 2511	74 15.7 2692

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11 UT	+Elnath	+Pollux	+Procyon	+Mars	-Sun
0	73 49.9 2362	43 51.8 2416	41 26.8 2742	25 21.9 2510	72 38.9 2697
3	75 34.4 2366	45 35.0 2417	43 2.6 2723	27 2.8 2511	71 2.2 2703
6	77 18.8 2371	47 18.2 2419	44 38.7 2706	28 43.8 2513	69 25.6 2708
9	79 3.0 2376	49 1.3 2422	46 15.2 2692	30 24.7 2515	67 49.1 2714
12	80 47.2 2382	50 44.3 2424	47 52.1 2680	32 5.5 2518	66 12.8 2720
15	82 31.2 2387	52 27.3 2428	49 29.2 2670	33 46.3 2521	64 36.6 2726
18	84 15.1 2392	54 10.2 2431	51 6.5 2662	35 27.0 2525	63 0.5 2732
21	85 58.8 2397	55 53.1 2434	52 44.0 2654	37 7.7 2529	61 24.5 2738
12 UT	+Pollux	+Procyon	+Mars	+Regulus	-Sun
0	57 35.8 2438	54 21.7 2649	38 48.2 2533	20 34.2 2459	59 48.7 2745
3	59 18.5 2443	55 59.5 2645	40 28.7 2537	22 16.4 2456	58 13.1 2752
6	61 1.0 2447	57 37.4 2641	42 9.0 2542	23 58.6 2455	56 37.6 2758
9	62 43.5 2452	59 15.4 2639	43 49.3 2546	25 40.9 2456	55 2.2 2766
12	64 25.8 2457	60 53.4 2637	45 29.4 2552	27 23.2 2457	53 27.0 2772
15	66 8.0 2462	62 31.4 2637	47 9.4 2557	29 5.4 2459	51 51.9 2780
18	67 50.2 2467	64 9.5 2637	48 49.3 2562	30 47.5 2463	50 17.1 2787
21	69 32.1 2473	65 47.6 2638	50 29.1 2568	32 29.6 2466	48 42.3 2795
13 UT	+Pollux	+Procyon	+Mars	+Regulus	-Sun
0	71 14.0 2478	67 25.6 2639	52 8.7 2574	34 11.6 2470	47 7.8 2803
3	72 55.7 2484	69 3.7 2641	53 48.2 2579	35 53.5 2475	45 33.4 2812
6	74 37.3 2490	70 41.6 2644	55 27.6 2586	37 35.3 2480	43 59.2 2820
9	76 18.7 2496	72 19.5 2647	57 6.8 2592	39 17.0 2485	42 25.2 2829
12	78 0.0 2503	73 57.4 2651	58 45.9 2599	40 58.6 2490	40 51.3 2838
15	79 41.2 2510	75 35.2 2655	60 24.8 2606	42 40.0 2496	39 17.7 2848
18	81 22.1 2517	77 12.8 2660	62 3.6 2612	44 21.3 2503	37 44.3 2858
21	83 3.0 2524	78 50.4 2665	63 42.2 2620	46 2.4 2509	36 11.1 2868
14 UT	+Procyon	+Mars	+Regulus	+Saturn	-Sun
0	80 27.8 2670	65 20.7 2626	47 43.4 2515	17 23.4 2869	34 38.1 2879
3	82 5.1 2677	66 59.0 2634	49 24.3 2523	18 56.4 2824	33 5.4 2891
6	83 42.3 2683	68 37.1 2641	51 5.0 2529	20 30.3 2790	31 32.9 2903
9	85 19.3 2690	70 15.1 2649	52 45.5 2537	22 5.0 2766	30 0.6 2917
12	86 56.2 2698	71 52.9 2656	54 25.9 2544	23 40.2 2747	28 28.7 2931
15	88 32.9 2705	73 30.6 2665	56 6.1 2552	25 15.8 2734	26 57.0 2946
18	90 9.4 2713	75 8.0 2673	57 46.1 2560	26 51.7 2725	25 25.7 2962
21	91 45.8 2722	76 45.3 2681	59 25.9 2568	28 27.8 2719	23 54.7 2981
15 UT	+Mars	+Regulus	+Saturn	+Gienah	-Sun
0	78 22.4 2690	61 5.6 2576	30 4.1 2715	21 52.5 3012	22 24.1 3001
3	79 59.2 2698	62 45.0 2584	31 40.4 2713	23 22.4 2965	20 53.9 3024
6	81 36.0 2707	64 24.3 2593	33 16.8 2713	24 53.4 2928	19 24.2 3051
9	83 12.5 2715	66 3.4 2601	34 53.1 2714	26 25.1 2898	17 55.1 3083
12	84 48.8 2725	67 42.2 2610	36 29.5 2716	27 57.4 2876	16 26.6 3122
15	86 24.9 2734	69 20.9 2619	38 5.8 2720	29 30.2 2859	14 58.8 3170
18	88 0.8 2743	70 59.4 2628	39 42.0 2723	31 3.4 2845	13 32.1 3232
21	89 36.5 2753	72 37.6 2638	41 18.2 2728	32 36.9 2835	12 6.6 3317

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18 UT	+Sun	–Nunki	–Jupiter	–Fomalhaut	–Enif
0	14 29.7 3353	32 35.9 2818	69 21.1 2850	83 17.6 3219	84 3.8 3045
3	15 52.9 3334	31 1.8 2830	67 47.8 2860	81 51.9 3232	82 34.5 3056
6	17 16.4 3322	29 28.0 2843	66 14.6 2872	80 26.4 3247	81 5.4 3069
9	18 40.2 3315	27 54.5 2855	64 41.7 2882	79 1.1 3262	79 36.6 3082
12	20 4.1 3311	26 21.2 2868	63 9.0 2893	77 36.2 3278	78 8.1 3095
15	21 28.0 3311	24 48.2 2881	61 36.6 2904	76 11.6 3294	76 39.9 3109
18	22 52.0 3312	23 15.5 2895	60 4.4 2915	74 47.3 3311	75 11.9 3123
21	24 16.0 3315	21 43.1 2909	58 32.4 2926	73 23.3 3328	73 44.2 3137
19 UT	+Sun	–Nunki	–Jupiter	–Fomalhaut	–Enif
0	25 39.8 3319	20 11.0 2925	57 0.6 2936	71 59.7 3346	72 16.8 3151
3	27 3.7 3324	18 39.2 2942	55 29.1 2947	70 36.4 3365	70 49.7 3166
6	28 27.4 3330	17 7.8 2960	53 57.8 2957	69 13.5 3385	69 22.9 3182
9	29 51.0 3336	15 36.8 2982	52 26.7 2967	67 50.9 3405	67 56.4 3197
12	31 14.5 3343	14 6.2 3008	50 55.8 2978	66 28.7 3426	66 30.2 3214
15	32 37.8 3350	12 36.2 3039	49 25.1 2988	65 7.0 3448	65 4.3 3230
18	34 1.1 3356	11 6.8 3082	47 54.7 2998	63 45.6 3471	63 38.7 3247
21	35 24.2 3363	9 38.3 3143	46 24.4 3008	62 24.7 3495	62 13.5 3264
20 UT	+Sun	–Jupiter	–Enif	–Fomalhaut	–Markab
0	36 47.1 3371	44 54.4 3018	60 48.6 3282	61 4.2 3520	80 14.2 3114
3	38 9.9 3378	43 24.5 3027	59 24.1 3301	59 44.2 3546	78 46.4 3124
6	39 32.6 3385	41 54.9 3037	57 60.0 3321	58 24.6 3574	77 18.7 3134
9	40 55.2 3393	40 25.4 3046	56 36.2 3341	57 5.6 3603	75 51.3 3145
12	42 17.6 3399	38 56.2 3055	55 12.8 3361	55 47.1 3633	74 24.0 3154
15	43 39.8 3407	37 27.1 3064	53 49.8 3384	54 29.1 3665	72 56.9 3165
18	45 2.0 3413	35 58.3 3073	52 27.2 3407	53 11.7 3699	71 30.1 3175
21	46 24.0 3420	34 29.6 3082	51 5.1 3430	51 54.9 3735	70 3.5 3184
21 UT	+Sun	+Nunki	–Jupiter	–Markab	–Alpheratz
0	47 45.9 3426	4 59.8 3533	33 1.0 3091	68 37.0 3195	88 19.1 3309
3	49 7.7 3432	6 19.6 3344	31 32.7 3100	67 10.8 3205	86 55.1 3315
6	50 29.3 3437	7 42.9 3248	30 4.6 3109	65 44.7 3215	85 31.2 3322
9	51 50.9 3443	9 8.1 3194	28 36.6 3117	64 18.9 3225	84 7.4 3330
12	53 12.4 3448	10 34.4 3161	27 8.8 3127	62 53.2 3236	82 43.8 3337
15	54 33.7 3452	12 1.3 3140	25 41.2 3135	61 27.8 3246	81 20.3 3344
18	55 55.0 3456	13 28.7 3127	24 13.7 3146	60 2.5 3256	79 57.0 3351
21	57 16.2 3461	14 56.3 3118	22 46.5 3156	58 37.5 3267	78 33.8 3358
22 UT	+Sun	+Nunki	–Jupiter	–Markab	–Hamal
0	58 37.3 3464	16 24.0 3112	21 19.5 3167	57 12.7 3277	99 8.0 3078
3	59 58.4 3468	17 52.0 3108	19 52.7 3181	55 48.0 3289	97 39.4 3082
6	61 19.4 3470	19 19.9 3105	18 26.2 3195	54 23.6 3300	96 10.9 3084
9	62 40.3 3472	20 48.0 3103	16 59.9 3213	52 59.5 3312	94 42.5 3087
12	64 1.2 3474	22 16.1 3100	15 34.1 3234	51 35.5 3323	93 14.0 3088
15	65 22.1 3476	23 44.2 3099	14 8.6 3263	50 11.8 3336	91 45.6 3090
18	66 43.0 3477	25 12.4 3098	12 43.7 3301	48 48.3 3350	90 17.3 3092
21	68 3.8 3477	26 40.6 3096	11 19.5 3355	47 25.1 3364	88 49.0 3092

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23 UT	+Sun	–Markab	–Alpheratz	–Hamal	–Menkar
0	69 24.6 3477	46 2.1 3379	66 11.3 3427	87 20.7 3092	94 29.0 3279
3	70 45.4 3476	44 39.4 3395	64 49.6 3435	85 52.4 3092	93 4.4 3278
6	72 6.3 3476	43 17.1 3412	63 28.0 3444	84 24.0 3092	91 39.8 3277
9	73 27.1 3474	41 55.0 3431	62 6.5 3453	82 55.7 3091	90 15.2 3276
12	74 48.0 3472	40 33.4 3451	60 45.3 3462	81 27.4 3089	88 50.5 3274
15	76 8.9 3469	39 12.1 3474	59 24.2 3472	79 59.0 3087	87 25.8 3273
18	77 29.9 3467	37 51.2 3499	58 3.3 3483	78 30.6 3084	86 1.1 3271
21	78 50.9 3463	36 30.8 3528	56 42.5 3494	77 2.1 3082	84 36.4 3269
24 UT	+Sun	–Alpheratz	–Hamal	–Menkar	–Aldebaran
0	80 12.0 3459	55 22.0 3506	75 33.6 3079	83 11.6 3267	108 3.9 3119
3	81 33.1 3455	54 1.8 3520	74 5.0 3075	81 46.7 3264	106 36.1 3114
6	82 54.4 3449	52 41.7 3533	72 36.4 3070	80 21.9 3262	105 8.2 3109
9	84 15.7 3443	51 21.9 3549	71 7.6 3066	78 56.9 3258	103 40.2 3103
12	85 37.1 3438	50 2.4 3566	69 38.8 3061	77 31.9 3256	102 12.2 3097
15	86 58.7 3431	48 43.3 3584	68 9.8 3055	76 6.9 3252	100 43.9 3090
18	88 20.4 3424	47 24.4 3604	66 40.7 3049	74 41.8 3249	99 15.6 3083
21	89 42.2 3415	46 5.9 3627	65 11.6 3042	73 16.6 3245	97 47.1 3076
25 UT	+Sun	+Jupiter	–Hamal	–Menkar	–Aldebaran
0	91 4.2 3408	14 30.8 3174	63 42.2 3036	71 51.4 3242	96 18.4 3069
3	92 26.3 3399	15 57.5 3147	62 12.8 3028	70 26.0 3238	94 49.7 3060
6	93 48.6 3390	17 24.7 3125	60 43.1 3020	69 0.6 3234	93 20.7 3051
9	95 11.0 3380	18 52.3 3104	59 13.4 3012	67 35.2 3231	91 51.5 3042
12	96 33.7 3370	20 20.4 3086	57 43.4 3004	66 9.6 3227	90 22.2 3033
15	97 56.5 3359	21 48.8 3069	56 13.3 2995	64 44.0 3224	88 52.7 3023
18	99 19.6 3348	23 17.6 3053	54 43.0 2985	63 18.4 3220	87 23.0 3013
21	100 42.8 3337	24 46.7 3037	53 12.5 2976	61 52.6 3217	85 53.0 3003
26 UT	+Sun	+Jupiter	–Hamal	–Aldebaran	–Elnath
0	102 6.3 3324	26 16.1 3022	51 41.7 2966	84 22.9 2992	96 17.2 2944
3	103 30.0 3312	27 45.9 3007	50 10.8 2955	82 52.5 2980	94 45.8 2932
6	104 54.0 3299	29 15.9 2992	48 39.7 2945	81 21.9 2969	93 14.2 2920
9	106 18.2 3285	30 46.3 2977	47 8.3 2934	79 51.1 2957	91 42.3 2908
12	107 42.6 3272	32 17.0 2963	45 36.7 2923	78 20.0 2945	90 10.1 2895
15	109 7.4 3257	33 47.9 2947	44 4.9 2912	76 48.6 2933	88 37.7 2882
18	110 32.4 3243	35 19.2 2932	42 32.9 2900	75 17.0 2920	87 5.0 2868
21	111 57.7 3228	36 50.9 2917	41 0.6 2889	73 45.1 2907	85 32.0 2855
27 UT	+Sun	+Jupiter	–Hamal	–Aldebaran	–Elnath
0	113 23.3 3213	38 22.8 2902	39 28.0 2878	72 13.0 2894	83 58.8 2840
3	114 49.2 3198	39 55.1 2885	37 55.3 2866	70 40.5 2881	82 25.2 2826
6	116 15.4 3181	41 27.7 2869	36 22.2 2855	69 7.8 2867	80 51.3 2811
9	117 41.9 3165	43 0.7 2853	34 49.0 2844	67 34.8 2853	79 17.1 2796
12	119 8.7 3149	44 34.0 2838	33 15.5 2834	66 1.5 2840	77 42.5 2781
15	120 35.9 3131	46 7.6 2820	31 41.7 2823	64 27.9 2825	76 7.7 2765
18	122 3.4 3115	47 41.6 2804	30 7.8 2814	62 54.0 2812	74 32.5 2750
21	123 31.3 3098	49 16.0 2787	28 33.6 2805	61 19.8 2798	72 56.9 2734

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28 UT	+Jupiter	–Aldebaran	–Capella	–Elnath	–Betelgeuse
0	50 50.7 2770	59 45.3 2783	70 31.5 3027	71 21.0 2718	79 48.9 2938
3	52 25.8 2754	58 10.5 2770	69 1.8 3018	69 44.7 2701	78 17.3 2924
6	54 1.3 2736	56 35.4 2756	67 32.0 3009	68 8.1 2685	76 45.6 2910
9	55 37.1 2719	54 60.0 2742	66 2.0 3001	66 31.1 2668	75 13.5 2897
12	57 13.3 2702	53 24.2 2729	64 31.8 2993	64 53.7 2651	73 41.1 2885
15	58 50.0 2685	51 48.2 2716	63 1.5 2987	63 16.0 2635	72 8.5 2872
18	60 27.0 2667	50 11.9 2703	61 31.0 2981	61 37.9 2618	70 35.6 2860
21	62 4.3 2650	48 35.3 2691	60 0.4 2977	59 59.4 2601	69 2.4 2848
29 UT	+Jupiter	–Aldebaran	–Elnath	–Betelgeuse	–Pollux
0	63 42.1 2632	46 58.5 2679	58 20.5 2584	67 29.0 2837	88 39.6 2607
3	65 20.3 2614	45 21.3 2668	56 41.2 2567	65 55.3 2827	87 0.8 2590
6	66 58.9 2597	43 44.0 2658	55 1.6 2551	64 21.5 2817	85 21.7 2573
9	68 37.9 2580	42 6.4 2648	53 21.5 2534	62 47.4 2808	83 42.2 2556
12	70 17.2 2563	40 28.6 2640	51 41.1 2517	61 13.1 2801	82 2.3 2539
15	71 57.0 2546	38 50.6 2633	50 0.3 2501	59 38.7 2794	80 22.0 2523
18	73 37.2 2528	37 12.4 2628	48 19.1 2484	58 4.1 2789	78 41.3 2506
21	75 17.7 2512	35 34.1 2624	46 37.5 2468	56 29.4 2784	77 0.2 2490
30 UT	+Jupiter	–Elnath	–Pollux	–Procyon	–Mars
0	76 58.6 2495	44 55.6 2452	75 18.8 2474	80 13.1 2610	99 18.2 2529
3	78 40.0 2479	43 13.2 2437	73 37.0 2458	78 34.4 2596	97 37.6 2511
6	80 21.7 2462	41 30.5 2422	71 54.8 2443	76 55.4 2582	95 56.7 2495
9	82 3.8 2446	39 47.5 2407	70 12.2 2428	75 16.1 2569	94 15.3 2478
12	83 46.3 2430	38 4.1 2392	68 29.3 2413	73 36.4 2557	92 33.6 2462
15	85 29.1 2415	36 20.3 2378	66 46.1 2399	71 56.5 2545	90 51.5 2446
18	87 12.3 2399	34 36.2 2364	65 2.5 2385	70 16.4 2533	89 9.1 2431
21	88 55.9 2385	32 51.8 2351	63 18.5 2371	68 35.9 2523	87 26.2 2416