

JANUARY 2012

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Sun	+Venus	–Jupiter	–Aldebaran	–Elnath
0	87 10.0 3425	53 39.4 3548	24 4.0 3143	63 36.2 3063	75 17.2 3062
3	88 31.8 3432	54 58.9 3553	22 36.7 3163	62 7.3 3070	73 48.3 3068
6	89 53.4 3438	56 18.3 3559	21 9.8 3184	60 38.5 3076	72 19.5 3074
9	91 15.0 3443	57 37.6 3563	19 43.3 3210	59 9.9 3082	70 50.9 3080
12	92 36.4 3449	58 56.9 3567	18 17.4 3240	57 41.4 3088	69 22.3 3085
15	93 57.8 3454	60 16.0 3572	16 52.0 3277	56 13.0 3094	67 53.8 3090
18	95 19.0 3457	61 35.1 3574	15 27.4 3323	54 44.7 3098	66 25.5 3094
21	96 40.2 3460	62 54.1 3577	14 3.7 3385	53 16.5 3102	64 57.2 3098
2 UT	+Sun	+Venus	–Aldebaran	–Elnath	–Betelgeuse
0	98 1.4 3464	64 13.1 3579	51 48.4 3107	63 29.0 3102	72 1.8 3229
3	99 22.4 3466	65 32.0 3582	50 20.4 3110	62 0.9 3104	70 36.2 3234
6	100 43.5 3468	66 50.9 3582	48 52.5 3114	60 32.9 3107	69 10.7 3239
9	102 4.4 3469	68 9.8 3583	47 24.6 3117	59 4.8 3109	67 45.4 3244
12	103 25.4 3470	69 28.7 3584	45 56.8 3120	57 36.9 3111	66 20.1 3249
15	104 46.4 3471	70 47.5 3584	44 29.0 3122	56 9.0 3113	64 54.9 3253
18	106 7.3 3470	72 6.4 3582	43 1.3 3124	54 41.1 3113	63 29.8 3257
21	107 28.3 3470	73 25.3 3581	41 33.7 3127	53 13.2 3114	62 4.8 3261
3 UT	+Sun	+Venus	–Aldebaran	–Elnath	–Betelgeuse
0	108 49.2 3468	74 44.2 3580	40 6.1 3129	51 45.3 3115	60 39.8 3266
3	110 10.2 3467	76 3.1 3578	38 38.5 3131	50 17.5 3115	59 15.0 3270
6	111 31.2 3464	77 22.1 3575	37 11.0 3133	48 49.6 3114	57 50.2 3274
9	112 52.3 3461	78 41.1 3571	35 43.5 3135	47 21.8 3114	56 25.5 3278
12	114 13.4 3458	80 0.2 3568	34 16.0 3137	45 53.9 3113	55 0.9 3284
15	115 34.6 3455	81 19.3 3564	32 48.7 3140	44 26.0 3113	53 36.4 3289
18	116 55.8 3451	82 38.6 3559	31 21.3 3143	42 58.1 3112	52 12.0 3294
21	118 17.1 3446	83 57.9 3554	29 54.0 3147	41 30.2 3111	50 47.7 3300
4 UT	+Venus	+Jupiter	–Elnath	–Pollux	–Procyon
0	85 17.3 3549	12 48.4 3361	40 2.3 3110	70 31.2 3122	74 44.2 3159
3	86 36.7 3543	14 11.4 3299	38 34.3 3109	69 3.5 3118	73 17.2 3156
6	87 56.4 3537	15 35.6 3252	37 6.4 3108	67 35.7 3114	71 50.2 3152
9	89 16.1 3530	17 0.7 3214	35 38.4 3108	66 7.8 3110	70 23.1 3149
12	90 35.9 3523	18 26.5 3183	34 10.4 3107	64 39.9 3106	68 55.9 3145
15	91 55.9 3516	19 53.0 3156	32 42.4 3108	63 11.9 3101	67 28.7 3140
18	93 16.0 3509	21 20.0 3134	31 14.4 3110	61 43.7 3097	66 1.3 3137
21	94 36.2 3500	22 47.5 3113	29 46.4 3111	60 15.5 3092	64 33.9 3132
5 UT	+Venus	+Jupiter	–Pollux	–Procyon	–Regulus
0	95 56.6 3492	24 15.4 3095	58 47.2 3087	63 6.4 3128	95 22.1 3015
3	97 17.1 3483	25 43.6 3078	57 18.8 3083	61 38.9 3124	93 52.2 3008
6	98 37.8 3474	27 12.2 3062	55 50.3 3078	60 11.2 3120	92 22.2 2999
9	99 58.7 3465	28 41.1 3048	54 21.7 3074	58 43.5 3117	90 52.0 2991
12	101 19.7 3456	30 10.3 3033	52 53.0 3068	57 15.6 3112	89 21.6 2981
15	102 41.0 3446	31 39.9 3019	51 24.2 3064	55 47.7 3109	87 51.0 2973
18	104 2.4 3436	33 9.7 3006	49 55.3 3060	54 19.8 3106	86 20.2 2963
21	105 24.0 3425	34 39.7 2992	48 26.4 3056	52 51.7 3103	84 49.2 2954

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6 UT	+Venus	+Jupiter	–Pollux	–Procyon	–Regulus
0	106 45.7 3415	36 10.1 2980	46 57.3 3052	51 23.6 3100	83 18.0 2944
3	108 7.7 3404	37 40.7 2967	45 28.2 3049	49 55.5 3099	81 46.7 2934
6	109 29.9 3394	39 11.6 2954	43 59.0 3047	48 27.3 3098	80 15.1 2924
9	110 52.3 3383	40 42.8 2942	42 29.8 3045	46 59.1 3097	78 43.3 2914
12	112 14.9 3372	42 14.2 2929	41 0.5 3044	45 30.9 3098	77 11.3 2904
15	113 37.7 3361	43 45.9 2917	39 31.2 3044	44 2.7 3099	75 39.1 2893
18	115 0.7 3350	45 17.8 2905	38 1.9 3046	42 34.6 3103	74 6.6 2884
21	116 23.9 3339	46 50.0 2892	36 32.7 3049	41 6.5 3107	72 34.0 2872
7 UT	+Jupiter	+Hamal	–Procyon	–Regulus	–Mars
0	48 22.5 2880	42 15.1 2907	39 38.5 3114	71 1.1 2862	92 26.1 2951
3	49 55.2 2868	43 47.3 2892	38 10.6 3122	69 28.0 2851	90 54.9 2939
6	51 28.2 2856	45 19.8 2877	36 42.9 3134	67 54.6 2841	89 23.4 2928
9	53 1.5 2844	46 52.6 2863	35 15.5 3149	66 21.0 2830	87 51.7 2916
12	54 35.0 2831	48 25.6 2849	33 48.3 3166	64 47.2 2819	86 19.7 2904
15	56 8.7 2819	49 59.0 2835	32 21.5 3189	63 13.2 2809	84 47.5 2893
18	57 42.8 2807	51 32.7 2821	30 55.1 3217	61 38.9 2798	83 15.1 2881
21	59 17.1 2796	53 6.7 2808	29 29.3 3252	60 4.4 2788	81 42.4 2870
8 UT	+Jupiter	+Hamal	+Aldebaran	–Regulus	–Mars
0	60 51.6 2784	54 41.0 2795	21 52.7 2905	58 29.7 2777	80 9.4 2859
3	62 26.4 2772	56 15.6 2782	23 24.9 2875	56 54.7 2767	78 36.2 2847
6	64 1.5 2760	57 50.4 2769	24 57.7 2847	55 19.6 2756	77 2.8 2836
9	65 36.8 2749	59 25.5 2757	26 31.2 2824	53 44.2 2747	75 29.1 2824
12	67 12.4 2737	61 0.9 2744	28 5.1 2802	52 8.5 2737	73 55.2 2814
15	68 48.2 2725	62 36.6 2732	29 39.5 2781	50 32.7 2727	72 21.0 2803
18	70 24.3 2714	64 12.6 2720	31 14.4 2762	48 56.7 2718	70 46.6 2792
21	72 0.7 2703	65 48.8 2708	32 49.7 2744	47 20.4 2709	69 12.0 2782
9 UT	+Jupiter	+Aldebaran	+Elnath	–Regulus	–Mars
0	73 37.2 2692	34 25.3 2728	23 1.6 2819	45 43.9 2701	67 37.2 2773
3	75 14.1 2681	36 1.4 2712	24 35.7 2789	44 7.3 2692	66 2.1 2762
6	76 51.1 2670	37 37.8 2697	26 10.4 2763	42 30.5 2684	64 26.8 2752
9	78 28.5 2660	39 14.5 2682	27 45.6 2740	40 53.4 2677	62 51.3 2744
12	80 6.0 2649	40 51.5 2668	29 21.4 2719	39 16.3 2670	61 15.7 2734
15	81 43.8 2638	42 28.9 2655	30 57.6 2699	37 38.9 2663	59 39.8 2726
18	83 21.8 2629	44 6.6 2642	32 34.3 2681	36 1.5 2658	58 3.7 2717
21	85 0.1 2619	45 44.5 2630	34 11.4 2665	34 23.9 2654	56 27.4 2710
10 UT	+Jupiter	+Aldebaran	+Elnath	–Mars	–Spica
0	86 38.6 2608	47 22.7 2617	35 48.8 2648	54 51.0 2701	86 25.6 2579
3	88 17.3 2600	49 1.3 2606	37 26.6 2634	53 14.3 2695	84 46.2 2570
6	89 56.2 2590	50 40.0 2595	39 4.8 2620	51 37.6 2689	83 6.7 2561
9	91 35.3 2581	52 19.1 2584	40 43.2 2606	50 0.7 2683	81 26.9 2551
12	93 14.7 2572	53 58.3 2573	42 22.0 2594	48 23.6 2677	79 46.8 2543
15	94 54.2 2563	55 37.8 2563	44 1.0 2582	46 46.5 2673	78 6.6 2534
18	96 34.0 2555	57 17.6 2553	45 40.3 2570	45 9.2 2669	76 26.2 2525
21	98 13.9 2546	58 57.6 2543	47 19.9 2559	43 31.8 2666	74 45.5 2516

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11 UT	+Jupiter	+Aldebaran	–Mars	–Spica	–Saturn
0	99 54.1 2538	60 37.8 2534	41 54.4 2664	73 4.7 2508	78 14.7 2547
3	101 34.4 2530	62 18.2 2525	40 17.0 2664	71 23.7 2500	76 34.6 2539
6	103 14.9 2522	63 58.8 2516	38 39.5 2664	69 42.5 2492	74 54.3 2531
9	104 55.6 2516	65 39.6 2508	37 2.1 2666	68 1.1 2485	73 13.8 2525
12	106 36.4 2508	67 20.7 2500	35 24.7 2670	66 19.5 2477	71 33.2 2517
15	108 17.4 2501	69 1.9 2492	33 47.3 2676	64 37.8 2470	69 52.4 2509
18	109 58.6 2494	70 43.3 2484	32 10.1 2684	62 55.8 2462	68 11.4 2503
21	111 40.0 2488	72 24.9 2477	30 33.1 2696	61 13.7 2456	66 30.2 2498
12 UT	+Aldebaran	+Betelgeuse	+Pollux	–Spica	–Saturn
0	74 6.6 2469	55 31.8 2655	33 4.2 2666	59 31.5 2449	64 49.0 2491
3	75 48.5 2462	57 9.5 2640	34 41.6 2641	57 49.1 2442	63 7.6 2485
6	77 30.6 2456	58 47.5 2627	36 19.6 2619	56 6.5 2436	61 26.0 2480
9	79 12.9 2449	60 25.8 2614	37 58.1 2599	54 23.8 2430	59 44.3 2475
12	80 55.3 2443	62 4.4 2602	39 37.0 2581	52 41.0 2424	58 2.5 2470
15	82 37.8 2437	63 43.2 2591	41 16.3 2565	50 58.0 2419	56 20.6 2465
18	84 20.5 2431	65 22.3 2580	42 56.0 2549	49 14.9 2413	54 38.6 2461
21	86 3.4 2425	67 1.7 2570	44 36.1 2535	47 31.6 2408	52 56.5 2457
13 UT	+Pollux	+Procyon	–Spica	–Saturn	–Antares
0	46 16.5 2523	42 49.9 2623	45 48.2 2403	51 14.2 2454	91 17.7 2410
3	47 57.2 2511	44 28.3 2605	44 4.7 2398	49 31.9 2451	89 34.4 2405
6	49 38.1 2500	46 7.1 2587	42 21.1 2393	47 49.6 2448	87 50.9 2400
9	51 19.3 2490	47 46.3 2572	40 37.4 2389	46 7.2 2446	86 7.3 2395
12	53 0.8 2481	49 25.9 2557	38 53.5 2384	44 24.7 2444	84 23.6 2390
15	54 42.4 2472	51 5.8 2544	37 9.6 2380	42 42.1 2443	82 39.8 2386
18	56 24.3 2463	52 45.9 2532	35 25.5 2376	40 59.6 2442	80 55.9 2381
21	58 6.4 2455	54 26.4 2521	33 41.4 2373	39 17.0 2443	79 11.9 2377
14 UT	+Procyon	–Spica	–Saturn	–Antares	–Sun
0	56 7.1 2510	31 57.2 2370	37 34.5 2444	77 27.8 2373	120 55.6 2699
3	57 48.1 2501	30 12.9 2366	35 52.0 2446	75 43.6 2369	119 18.9 2694
6	59 29.3 2492	28 28.5 2364	34 9.5 2449	73 59.3 2366	117 42.1 2690
9	61 10.7 2483	26 44.1 2361	32 27.1 2453	72 14.9 2362	116 5.3 2685
12	62 52.3 2475	24 59.6 2359	30 44.7 2459	70 30.4 2359	114 28.3 2682
15	64 34.1 2468	23 15.0 2358	29 2.6 2467	68 45.9 2355	112 51.2 2677
18	66 16.0 2461	21 30.5 2357	27 20.6 2477	67 1.2 2353	111 14.1 2674
21	67 58.1 2455	19 45.9 2357	25 38.9 2492	65 16.5 2349	109 36.8 2670
15 UT	+Procyon	+Regulus	+Mars	–Antares	–Sun
0	69 40.4 2449	36 29.9 2386	15 47.9 3034	63 31.7 2346	107 59.5 2666
3	71 22.8 2444	38 13.8 2380	17 17.4 2912	61 46.9 2344	106 22.1 2663
6	73 5.3 2438	39 57.9 2372	18 49.5 2817	60 2.0 2341	104 44.6 2660
9	74 48.0 2433	41 42.1 2366	20 23.5 2745	58 17.0 2339	103 7.1 2656
12	76 30.8 2429	43 26.5 2361	21 59.2 2687	56 32.0 2337	101 29.4 2654
15	78 13.7 2425	45 11.0 2356	23 36.1 2640	54 46.9 2335	99 51.7 2651
18	79 56.6 2421	46 55.6 2351	25 14.2 2601	53 1.8 2333	98 14.0 2648
21	81 39.7 2417	48 40.4 2346	26 53.0 2569	51 16.6 2331	96 36.2 2645

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16 UT	+Procyon	+Regulus	+Mars	–Antares	–Sun
0	83 22.9 2414	50 25.2 2342	28 32.6 2542	49 31.4 2330	94 58.3 2642
3	85 6.1 2411	52 10.2 2338	30 12.9 2519	47 46.1 2329	93 20.3 2640
6	86 49.4 2409	53 55.2 2334	31 53.6 2499	46 0.9 2328	91 42.3 2637
9	88 32.7 2406	55 40.4 2331	33 34.9 2482	44 15.6 2327	90 4.2 2635
12	90 16.2 2404	57 25.6 2328	35 16.5 2467	42 30.2 2327	88 26.1 2633
15	91 59.6 2403	59 10.9 2325	36 58.5 2454	40 44.9 2327	86 48.0 2631
18	93 43.1 2401	60 56.3 2322	38 40.8 2442	38 59.6 2327	85 9.8 2629
21	95 26.7 2400	62 41.7 2320	40 23.3 2432	37 14.3 2329	83 31.5 2627
17 UT	+Regulus	+Mars	+Spica	–Antares	–Sun
0	64 27.2 2318	42 6.1 2423	10 25.8 2355	35 29.0 2330	81 53.3 2626
3	66 12.8 2315	43 49.2 2414	12 10.4 2338	33 43.8 2332	80 14.9 2624
6	67 58.4 2313	45 32.4 2406	13 55.5 2326	31 58.6 2335	78 36.6 2622
9	69 44.1 2311	47 15.8 2400	15 40.8 2318	30 13.4 2339	76 58.2 2622
12	71 29.8 2310	48 59.4 2394	17 26.4 2311	28 28.4 2344	75 19.8 2621
15	73 15.5 2308	50 43.1 2389	19 12.1 2307	26 43.5 2350	73 41.4 2620
18	75 1.3 2307	52 26.9 2384	20 57.9 2303	24 58.7 2358	72 2.9 2619
21	76 47.1 2306	54 10.9 2379	22 43.8 2300	23 14.1 2369	70 24.4 2619
18 UT	+Mars	+Spica	+Saturn	–Antares	–Sun
0	55 54.9 2376	24 29.8 2297	19 56.6 2500	21 29.8 2382	68 46.0 2619
3	57 39.1 2372	26 15.8 2296	21 37.8 2470	19 45.8 2400	67 7.5 2618
6	59 23.3 2369	28 1.9 2294	23 19.7 2446	18 2.3 2425	65 29.0 2619
9	61 7.6 2367	29 48.0 2293	25 2.2 2428	16 19.3 2458	63 50.5 2619
12	62 51.9 2365	31 34.2 2293	26 45.1 2413	14 37.1 2505	62 12.1 2620
15	64 36.4 2363	33 20.3 2292	28 28.4 2400	12 56.0 2573	60 33.6 2621
18	66 20.8 2362	35 6.5 2293	30 12.0 2390	11 16.5 2680	58 55.2 2622
21	68 5.3 2361	36 52.7 2293	31 55.8 2382	9 39.4 2856	57 16.8 2624
19 UT	+Mars	+Gienah	+Spica	+Saturn	–Sun
0	69 49.8 2360	52 53.3 2389	38 38.8 2293	33 39.7 2376	55 38.4 2625
3	71 34.3 2360	54 37.1 2385	40 25.0 2294	35 23.9 2370	54 0.1 2627
6	73 18.8 2361	56 21.0 2383	42 11.1 2295	37 8.2 2366	52 21.8 2630
9	75 3.3 2361	58 5.0 2381	43 57.2 2297	38 52.6 2363	50 43.5 2633
12	76 47.8 2362	59 49.0 2380	45 43.3 2298	40 37.0 2361	49 5.4 2636
15	78 32.3 2363	61 33.0 2380	47 29.3 2301	42 21.5 2360	47 27.3 2639
18	80 16.8 2365	63 17.1 2379	49 15.3 2303	44 6.1 2358	45 49.3 2643
21	82 1.2 2367	65 1.1 2381	51 1.2 2305	45 50.6 2358	44 11.3 2647
20 UT	+Mars	+Spica	+Saturn	+Antares	–Sun
0	83 45.5 2370	52 47.0 2309	47 35.2 2359	8 22.6 2836	42 33.5 2652
3	85 29.8 2372	54 32.8 2311	49 19.7 2360	9 56.2 2681	40 55.8 2657
6	87 14.1 2375	56 18.5 2315	51 4.3 2362	11 33.3 2587	39 18.1 2663
9	88 58.2 2379	58 4.1 2319	52 48.7 2364	13 12.5 2528	37 40.7 2669
12	90 42.3 2382	59 49.6 2323	54 33.2 2366	14 53.1 2488	36 3.3 2676
15	92 26.3 2387	61 35.0 2328	56 17.6 2370	16 34.6 2461	34 26.1 2684
18	94 10.2 2391	63 20.3 2332	58 1.8 2373	18 16.7 2443	32 49.1 2692
21	95 53.9 2397	65 5.5 2338	59 46.1 2377	19 59.2 2431	31 12.3 2702

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21 UT	+Spica	+Saturn	+Zubenelgen	+Antares	-Sun
0	66 50.6 2343	61 30.2 2381	45 31.7 2350	21 42.1 2423	29 35.7 2711
3	68 35.5 2349	63 14.2 2386	47 16.5 2356	23 25.1 2418	27 59.3 2723
6	70 20.3 2355	64 58.1 2392	49 1.1 2362	25 8.2 2415	26 23.1 2735
9	72 4.9 2362	66 41.9 2397	50 45.6 2367	26 51.4 2415	24 47.3 2749
12	73 49.4 2369	68 25.5 2404	52 29.9 2374	28 34.7 2416	23 11.7 2766
15	75 33.7 2376	70 9.0 2410	54 14.1 2381	30 17.8 2418	21 36.5 2784
18	77 17.9 2383	71 52.3 2417	55 58.2 2388	32 1.0 2421	20 1.7 2805
21	79 1.9 2391	73 35.4 2424	57 42.0 2395	33 44.0 2426	18 27.4 2831
24 UT	+Sun	-Venus	-Jupiter	-Hamal	-Aldebaran
0	9 30.5 3255	30 28.6 3090	80 4.0 2610	85 18.7 2598	118 22.2 2593
3	10 55.6 3186	29 0.3 3114	78 25.3 2623	83 39.7 2611	116 43.1 2604
6	12 22.0 3143	27 32.4 3140	76 46.9 2636	82 1.0 2623	115 4.3 2616
9	13 49.3 3117	26 5.1 3170	75 8.8 2650	80 22.7 2637	113 25.8 2629
12	15 17.1 3102	24 38.3 3201	73 31.1 2662	78 44.6 2649	111 47.5 2641
15	16 45.2 3094	23 12.2 3237	71 53.6 2676	77 6.8 2663	110 9.5 2653
18	18 13.5 3092	21 46.8 3277	70 16.4 2690	75 29.3 2677	108 31.9 2666
21	19 41.8 3093	20 22.1 3322	68 39.5 2703	73 52.2 2691	106 54.4 2679
25 UT	+Sun	-Venus	-Jupiter	-Hamal	-Aldebaran
0	21 10.1 3096	18 58.4 3376	67 2.9 2717	72 15.3 2705	105 17.3 2692
3	22 38.3 3102	17 35.7 3440	65 26.6 2731	70 38.8 2719	103 40.5 2704
6	24 6.4 3110	16 14.2 3519	63 50.6 2745	69 2.5 2733	102 3.9 2718
9	25 34.4 3118	14 54.1 3616	62 15.0 2759	67 26.6 2747	100 27.7 2730
12	27 2.1 3129	13 35.8 3744	60 39.6 2773	65 51.0 2762	98 51.7 2744
15	28 29.7 3138	12 19.8 3913	59 4.6 2786	64 15.7 2775	97 16.0 2757
18	29 57.1 3150	11 6.7 4148	57 29.9 2802	62 40.7 2791	95 40.6 2770
21	31 24.2 3160	9 57.5 4487	55 55.4 2815	61 6.0 2805	94 5.5 2783
26 UT	+Sun	-Jupiter	-Hamal	-Menkar	-Aldebaran
0	32 51.2 3172	54 21.3 2829	59 31.7 2820	68 27.4 2951	92 30.7 2796
3	34 17.9 3184	52 47.5 2843	57 57.7 2834	66 56.2 2968	90 56.1 2809
6	35 44.3 3196	51 14.0 2858	56 23.9 2849	65 25.3 2986	89 21.9 2822
9	37 10.5 3208	49 40.8 2871	54 50.5 2864	63 54.8 3003	87 47.9 2835
12	38 36.5 3220	48 7.9 2886	53 17.5 2878	62 24.7 3021	86 14.2 2848
15	40 2.3 3233	46 35.2 2899	51 44.7 2893	60 54.9 3040	84 40.8 2860
18	41 27.8 3245	45 2.9 2914	50 12.2 2908	59 25.6 3059	83 7.6 2873
21	42 53.0 3257	43 30.9 2928	48 40.1 2923	57 56.6 3078	81 34.8 2885
27 UT	+Sun	+Venus	-Jupiter	-Hamal	-Aldebaran
0	44 18.0 3269	8 1.6 5061	41 59.2 2941	47 8.3 2938	80 2.2 2897
3	45 42.8 3281	8 57.7 4603	40 27.8 2955	45 36.8 2953	78 29.8 2910
6	47 7.4 3293	10 0.1 4307	38 56.6 2969	44 5.6 2969	76 57.7 2921
9	48 31.7 3304	11 6.8 4108	37 25.8 2983	42 34.8 2984	75 25.8 2933
12	49 55.8 3315	12 16.7 3970	35 55.2 2997	41 4.3 3000	73 54.2 2944
15	51 19.7 3326	13 28.8 3873	34 24.9 3011	39 34.0 3016	72 22.9 2955
18	52 43.4 3338	14 42.6 3803	32 55.0 3025	38 4.2 3033	70 51.7 2966
21	54 6.8 3348	15 57.6 3750	31 25.3 3039	36 34.6 3049	69 20.8 2977

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
28 UT	+Sun	+Venus	–Jupiter	–Aldebaran	–Elnath
0	55 30.1 3358	17 13.5 3712	29 55.9 3054	67 50.1 2987	79 33.5 2989
3	56 53.1 3367	18 30.1 3683	28 26.8 3069	66 19.7 2997	78 3.1 2998
6	58 16.0 3378	19 47.2 3661	26 58.0 3085	64 49.4 3007	76 32.9 3008
9	59 38.7 3387	21 4.6 3645	25 29.6 3101	63 19.3 3016	75 2.8 3017
12	61 1.2 3395	22 22.4 3632	24 1.4 3119	61 49.5 3025	73 33.0 3026
15	62 23.6 3404	23 40.4 3623	22 33.7 3138	60 19.8 3034	72 3.3 3034
18	63 45.8 3412	24 58.5 3616	21 6.3 3159	58 50.3 3042	70 33.8 3043
21	65 7.8 3419	26 16.8 3611	19 39.3 3183	57 21.0 3051	69 4.5 3050
29 UT	+Sun	+Venus	–Jupiter	–Aldebaran	–Elnath
0	66 29.7 3426	27 35.2 3607	18 12.8 3211	55 51.8 3058	67 35.4 3058
3	67 51.5 3434	28 53.6 3604	16 46.9 3245	54 22.8 3066	66 6.3 3065
6	69 13.1 3440	30 12.1 3602	15 21.6 3285	52 54.0 3073	64 37.5 3071
9	70 34.6 3445	31 30.6 3600	13 57.2 3339	51 25.3 3080	63 8.7 3078
12	71 56.0 3451	32 49.2 3600	12 33.7 3410	49 56.7 3087	61 40.1 3084
15	73 17.3 3455	34 7.8 3598	11 11.7 3511	48 28.3 3093	60 11.7 3089
18	74 38.6 3460	35 26.4 3597	9 51.5 3659	47 0.0 3099	58 43.3 3094
21	75 59.7 3464	36 45.0 3597	8 34.0 3893	45 31.8 3105	57 15.0 3099
30 UT	+Sun	+Venus	–Aldebaran	–Elnath	–Betelgeuse
0	77 20.8 3467	38 3.6 3596	44 3.8 3110	55 46.9 3104	64 28.8 3241
3	78 41.8 3470	39 22.2 3595	42 35.8 3115	54 18.8 3108	63 3.5 3248
6	80 2.7 3473	40 40.9 3594	41 8.0 3121	52 50.8 3112	61 38.3 3256
9	81 23.6 3473	41 59.5 3592	39 40.3 3125	51 22.9 3115	60 13.3 3263
12	82 44.5 3475	43 18.3 3591	38 12.6 3130	49 55.0 3118	58 48.4 3270
15	84 5.4 3476	44 37.0 3589	36 45.1 3135	48 27.3 3121	57 23.6 3278
18	85 26.2 3476	45 55.7 3586	35 17.6 3139	46 59.5 3123	55 59.0 3285
21	86 47.1 3476	47 14.6 3584	33 50.3 3145	45 31.8 3126	54 34.5 3293
31 UT	+Sun	+Venus	+Jupiter	–Aldebaran	–Procyon
0	88 7.9 3475	48 33.4 3581	7 15.7 3924	32 23.0 3150	78 39.0 3181
3	89 28.8 3473	49 52.3 3577	8 28.6 3686	30 55.9 3156	77 12.4 3180
6	90 49.6 3471	51 11.3 3573	9 45.6 3536	29 28.9 3162	75 45.9 3180
9	92 10.6 3469	52 30.3 3569	11 5.3 3435	28 2.0 3169	74 19.3 3179
12	93 31.5 3466	53 49.5 3565	12 26.9 3365	26 35.2 3178	72 52.8 3178
15	94 52.6 3462	55 8.7 3560	13 49.9 3313	25 8.6 3187	71 26.2 3177
18	96 13.7 3458	56 28.0 3554	15 13.8 3273	23 42.2 3200	69 59.6 3175
21	97 34.8 3454	57 47.4 3548	16 38.5 3241	22 16.1 3215	68 33.0 3173