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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Hamal	+Aldebaran	+Elnath	+Jupiter	-Sun
0	71 24.0 3120	37 53.2 3065	27 9.8 3298	6 5.9 4428	50 52.1 3441
3	72 51.8 3115	39 22.1 3059	28 34.0 3271	7 10.8 3979	49 30.6 3437
6	74 19.6 3109	40 51.1 3054	29 58.8 3247	8 22.8 3717	48 9.0 3433
9	75 47.6 3103	42 20.2 3049	31 24.0 3225	9 39.3 3552	46 47.4 3429
12	77 15.7 3097	43 49.4 3042	32 49.6 3205	10 58.7 3440	45 25.6 3423
15	78 43.9 3090	45 18.7 3036	34 15.7 3186	12 20.2 3362	44 3.8 3418
18	80 12.2 3084	46 48.1 3030	35 42.1 3170	13 43.2 3303	42 41.9 3414
21	81 40.7 3077	48 17.7 3022	37 8.8 3153	15 7.4 3258	41 19.9 3407
2 UT	+Aldebaran	+Elnath	+Betelgeuse	+Jupiter	-Sun
0	49 47.5 3016	38 35.9 3138	32 23.8 3357	16 32.3 3223	39 57.8 3403
3	51 17.4 3008	40 3.3 3123	33 46.9 3323	17 58.0 3193	38 35.5 3397
6	52 47.4 3001	41 31.0 3109	35 10.6 3293	19 24.3 3168	37 13.2 3391
9	54 17.6 2993	42 59.0 3095	36 34.9 3265	20 51.1 3146	35 50.8 3385
12	55 47.9 2986	44 27.2 3082	37 59.8 3239	22 18.3 3127	34 28.2 3381
15	57 18.4 2978	45 55.7 3069	39 25.2 3215	23 45.9 3109	33 5.6 3375
18	58 49.1 2969	47 24.5 3056	40 51.0 3192	25 13.9 3092	31 42.9 3369
21	60 19.9 2961	48 53.6 3044	42 17.3 3171	26 42.2 3078	30 20.0 3364
3 UT	+Aldebaran	+Elnath	+Betelgeuse	+Jupiter	-Sun
0	61 50.9 2952	50 22.8 3031	43 44.0 3151	28 10.8 3063	28 57.1 3360
3	63 22.1 2944	51 52.4 3020	45 11.2 3132	29 39.7 3050	27 34.0 3356
6	64 53.5 2935	53 22.2 3008	46 38.7 3114	31 8.9 3036	26 10.9 3352
9	66 25.1 2926	54 52.2 2996	48 6.5 3096	32 38.4 3023	24 47.7 3350
12	67 56.8 2917	56 22.5 2984	49 34.8 3079	34 8.1 3011	23 24.5 3349
15	69 28.8 2908	57 53.0 2973	51 3.3 3063	35 38.0 2999	22 1.3 3350
18	71 0.9 2899	59 23.8 2962	52 32.2 3048	37 8.3 2987	20 38.1 3352
21	72 33.3 2889	60 54.8 2950	54 1.5 3032	38 38.7 2975	19 14.9 3358
4 UT	+Aldebaran	+Betelgeuse	+Jupiter	+Procyon	-Sun
0	74 5.8 2879	55 31.0 3017	40 9.5 2964	30 3.7 3204	17 51.8 3368
3	75 38.6 2870	57 0.9 3003	41 40.4 2953	31 29.8 3167	16 28.9 3383
6	77 11.5 2860	58 31.0 2988	43 11.6 2941	32 56.6 3133	15 6.4 3406
9	78 44.7 2851	60 1.4 2975	44 43.0 2930	34 24.1 3102	13 44.2 3442
12	80 18.0 2841	61 32.2 2961	46 14.7 2919	35 52.2 3073	12 22.7 3493
15	81 51.6 2831	63 3.2 2948	47 46.6 2908	37 20.9 3047	11 2.2 3574
18	83 25.4 2821	64 34.5 2935	49 18.8 2897	38 50.1 3023	9 43.2 3701
21	84 59.4 2812	66 6.0 2923	50 51.1 2886	40 19.9 3001	8 26.4 3910
6 UT	+Sun	-Venus	-Saturn	-Zubenelgen	-Antares
0	7 13.0 3813	34 22.1 3128	48 15.1 2754	55 43.2 2719	80 1.5 2754
3	8 27.8 3580	32 54.5 3117	46 39.6 2745	54 6.9 2709	78 26.1 2745
6	9 46.8 3431	31 26.7 3107	45 4.0 2736	52 30.5 2700	76 50.4 2736
9	11 8.4 3330	29 58.7 3097	43 28.1 2727	50 53.8 2690	75 14.5 2727
12	12 32.1 3256	28 30.5 3087	41 52.1 2718	49 16.9 2681	73 38.5 2718
15	13 57.1 3201	27 2.1 3076	40 15.8 2709	47 39.9 2671	72 2.2 2710
18	15 23.2 3158	25 33.4 3066	38 39.4 2700	46 2.6 2662	70 25.8 2701
21	16 50.2 3123	24 4.6 3055	37 2.7 2692	44 25.1 2653	68 49.1 2693

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7 UT	+Sun	–Venus	–Saturn	–Zubenelgen	–Antares
0	18 17.9 3093	22 35.5 3046	35 25.9 2683	42 47.4 2644	67 12.3 2684
3	19 46.2 3068	21 6.3 3036	33 48.9 2676	41 9.4 2635	65 35.3 2677
6	21 15.0 3045	19 36.8 3026	32 11.7 2667	39 31.3 2626	63 58.2 2668
9	22 44.2 3026	18 7.1 3017	30 34.3 2660	37 53.0 2617	62 20.8 2662
12	24 13.9 3008	16 37.3 3006	28 56.8 2653	36 14.5 2608	60 43.3 2654
15	25 43.9 2992	15 7.2 2998	27 19.0 2646	34 35.8 2600	59 5.6 2647
18	27 14.3 2977	13 37.0 2989	25 41.2 2640	32 56.8 2591	57 27.8 2640
21	28 45.0 2962	12 6.5 2979	24 3.2 2634	31 17.7 2582	55 49.8 2633
8 UT	+Sun	–Saturn	–Zubenelgen	–Antares	–Sabik
0	30 16.0 2949	22 25.0 2629	29 38.4 2574	54 11.6 2627	62 58.8 2587
3	31 47.3 2936	20 46.8 2624	27 58.9 2565	52 33.3 2621	61 19.6 2579
6	33 18.8 2924	19 8.4 2622	26 19.2 2557	50 54.9 2616	59 40.2 2571
9	34 50.6 2912	17 30.0 2621	24 39.3 2549	49 16.4 2611	58 0.7 2564
12	36 22.7 2901	15 51.6 2622	22 59.3 2541	47 37.7 2606	56 20.9 2555
15	37 55.0 2890	14 13.2 2628	21 19.0 2533	45 58.9 2602	54 41.0 2548
18	39 27.5 2880	12 34.9 2639	19 38.6 2525	44 20.1 2598	53 0.9 2541
21	41 0.2 2869	10 56.9 2662	17 57.9 2517	42 41.1 2595	51 20.7 2534
9 UT	+Sun	–Antares	–Sabik	–Kaus Aust.	–Nunki
0	42 33.2 2860	41 2.1 2593	49 40.2 2527	66 31.7 2699	73 31.6 2556
3	44 6.4 2849	39 23.0 2591	47 59.7 2520	64 55.1 2697	71 51.7 2549
6	45 39.8 2840	37 43.9 2591	46 18.9 2514	63 18.4 2695	70 11.7 2543
9	47 13.4 2830	36 4.8 2591	44 38.0 2507	61 41.6 2694	68 31.4 2536
12	48 47.2 2821	34 25.6 2593	42 57.0 2501	60 4.8 2694	66 51.1 2530
15	50 21.1 2812	32 46.6 2597	41 15.8 2495	58 28.0 2694	65 10.6 2524
18	51 55.3 2804	31 7.6 2602	39 34.5 2490	56 51.2 2696	63 29.9 2518
21	53 29.7 2795	29 28.7 2610	37 53.1 2485	55 14.5 2698	61 49.1 2513
10 UT	+Sun	+Venus	+Saturn	–Sabik	–Nunki
0	55 4.3 2787	14 1.5 2832	4 58.9 2864	36 11.5 2480	60 8.2 2507
3	56 39.0 2778	15 35.3 2823	6 32.0 2698	34 29.8 2475	58 27.2 2502
6	58 14.0 2770	17 9.2 2815	8 8.7 2613	32 48.0 2471	56 46.0 2497
9	59 49.1 2762	18 43.3 2807	9 47.3 2562	31 6.1 2468	55 4.7 2493
12	61 24.4 2753	20 17.6 2799	11 27.1 2528	29 24.2 2466	53 23.4 2489
15	62 59.8 2746	21 52.1 2792	13 7.6 2503	27 42.2 2464	51 41.9 2485
18	64 35.5 2738	23 26.7 2784	14 48.8 2484	26 0.1 2464	50 0.4 2483
21	66 11.3 2729	25 1.5 2776	16 30.4 2467	24 18.1 2465	48 18.8 2479
11 UT	+Sun	+Venus	+Saturn	+Zubenelgen	–Nunki
0	67 47.3 2723	26 36.5 2769	18 12.3 2455	11 0.1 2394	46 37.1 2478
3	69 23.5 2715	28 11.7 2761	19 54.6 2443	12 43.8 2387	44 55.3 2476
6	70 59.8 2707	29 47.0 2754	21 37.2 2432	14 27.7 2380	43 13.6 2475
9	72 36.3 2699	31 22.4 2746	23 20.0 2422	16 11.7 2373	41 31.8 2475
12	74 13.0 2692	32 58.1 2739	25 3.0 2413	17 55.9 2367	39 50.0 2477
15	75 49.8 2685	34 33.8 2732	26 46.3 2405	19 40.3 2360	38 8.2 2479
18	77 26.8 2678	36 9.8 2725	28 29.7 2396	21 24.8 2354	36 26.5 2483
21	79 3.9 2671	37 45.9 2718	30 13.4 2389	23 9.5 2347	34 44.9 2489

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12 UT	+Sun	+Venus	+Saturn	+Zubenelgen	–Nunki
0	80 41.2 2664	39 22.2 2711	31 57.2 2381	24 54.4 2341	33 3.5 2496
3	82 18.7 2657	40 58.6 2704	33 41.3 2374	26 39.3 2335	31 22.2 2507
6	83 56.3 2650	42 35.1 2697	35 25.5 2366	28 24.5 2328	29 41.1 2520
9	85 34.0 2644	44 11.9 2691	37 9.8 2360	30 9.8 2322	28 0.3 2537
12	87 12.0 2637	45 48.7 2684	38 54.4 2353	31 55.2 2316	26 20.0 2560
15	88 50.0 2631	47 25.7 2677	40 39.1 2346	33 40.8 2310	24 40.2 2589
18	90 28.2 2625	49 2.9 2671	42 23.9 2340	35 26.5 2305	23 1.0 2627
21	92 6.6 2618	50 40.2 2665	44 8.9 2334	37 12.4 2299	21 22.7 2676
13 UT	+Sun	+Venus	+Zubenelgen	+Antares	–Enif
0	93 45.1 2612	52 17.7 2659	38 58.4 2293	16 23.0 2727	68 12.9 2533
3	95 23.7 2606	53 55.2 2652	40 44.6 2287	17 59.1 2645	66 32.4 2534
6	97 2.5 2601	55 33.0 2647	42 30.9 2282	19 37.0 2583	64 52.0 2536
9	98 41.3 2595	57 10.8 2641	44 17.3 2277	21 16.3 2533	63 11.6 2538
12	100 20.4 2589	58 48.8 2635	46 3.8 2272	22 56.7 2493	61 31.3 2542
15	101 59.5 2584	60 26.9 2630	47 50.5 2267	24 38.1 2460	59 51.0 2547
18	103 38.8 2580	62 5.1 2625	49 37.3 2262	26 20.2 2433	58 10.9 2554
21	105 18.1 2575	63 43.5 2620	51 24.2 2258	28 3.0 2409	56 31.0 2562
14 UT	+Sun	+Venus	+Zubenelgen	+Antares	–Markab
0	106 57.6 2570	65 21.9 2615	53 11.2 2253	29 46.4 2389	74 41.7 2434
3	108 37.2 2566	67 0.5 2610	54 58.3 2249	31 30.2 2372	72 59.0 2433
6	110 16.9 2561	68 39.2 2606	56 45.6 2245	33 14.4 2357	71 16.2 2432
9	111 56.7 2558	70 17.9 2602	58 32.9 2241	34 59.0 2344	69 33.4 2433
12	113 36.6 2554	71 56.8 2598	60 20.3 2238	36 44.0 2332	67 50.6 2435
15	115 16.5 2550	73 35.8 2594	62 7.8 2234	38 29.2 2321	66 7.9 2436
18	116 56.6 2548	75 14.8 2591	63 55.4 2231	40 14.6 2312	64 25.2 2440
21	118 36.7 2545	76 53.9 2587	65 43.1 2228	42 0.3 2304	62 42.5 2444
15 UT	+Venus	+Zubenelgen	+Antares	+Sabik	–Markab
0	78 33.1 2585	67 30.8 2226	43 46.2 2296	34 26.3 2256	61 0.0 2449
3	80 12.4 2582	69 18.6 2224	45 32.3 2290	36 13.3 2252	59 17.6 2455
6	81 51.7 2580	71 6.5 2221	47 18.5 2284	38 0.5 2247	57 35.3 2463
9	83 31.0 2578	72 54.4 2220	49 4.9 2279	39 47.7 2244	55 53.3 2471
12	85 10.4 2576	74 42.4 2218	50 51.4 2275	41 35.1 2241	54 11.4 2482
15	86 49.9 2576	76 30.4 2217	52 38.0 2271	43 22.5 2238	52 29.7 2494
18	88 29.4 2574	78 18.4 2216	54 24.7 2268	45 10.0 2236	50 48.4 2507
21	90 8.9 2574	80 6.4 2216	56 11.4 2266	46 57.6 2235	49 7.4 2524
16 UT	+Venus	+Antares	+Sabik	+Nunki	–Hamal
0	91 48.3 2574	57 58.3 2263	48 45.2 2233	26 1.7 2436	89 47.0 2281
3	93 27.8 2574	59 45.1 2261	50 32.8 2233	27 44.4 2411	88 0.5 2281
6	95 7.3 2575	61 32.1 2261	52 20.4 2233	29 27.7 2392	86 14.1 2282
9	96 46.8 2576	63 19.0 2261	54 8.1 2233	31 11.5 2375	84 27.6 2284
12	98 26.3 2577	65 5.9 2261	55 55.7 2234	32 55.6 2362	82 41.3 2285
15	100 5.7 2579	66 52.9 2261	57 43.3 2235	34 40.1 2351	80 54.9 2288
18	101 45.1 2582	68 39.8 2263	59 30.9 2237	36 24.9 2343	79 8.6 2291
21	103 24.4 2585	70 26.7 2265	61 18.4 2239	38 9.8 2337	77 22.4 2295

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17 UT	+Venus	+Antares	+Sabik	+Nunki	–Hamal
0	105 3.6 2588	72 13.5 2267	63 5.9 2242	39 54.9 2332	75 36.3 2299
3	106 42.8 2592	74 0.3 2270	64 53.3 2245	41 40.1 2328	73 50.3 2303
6	108 21.9 2596	75 47.0 2273	66 40.6 2248	43 25.4 2326	72 4.4 2308
9	110 0.9 2601	77 33.7 2277	68 27.9 2252	45 10.7 2325	70 18.6 2315
12	111 39.8 2606	79 20.2 2281	70 15.0 2257	46 56.1 2325	68 33.0 2321
15	113 18.6 2611	81 6.7 2286	72 2.1 2262	48 41.5 2326	66 47.5 2328
18	114 57.2 2617	82 53.0 2291	73 49.0 2266	50 26.8 2327	65 2.3 2336
21	116 35.7 2624	84 39.2 2297	75 35.8 2273	52 12.1 2330	63 17.2 2345
18 UT	+Antares	+Kaus Aust.	+Nunki	–Hamal	–Aldebaran
0	86 25.2 2303	62 23.9 2468	53 57.4 2334	61 32.3 2354	94 24.2 2274
3	88 11.1 2310	64 5.8 2469	55 42.6 2338	59 47.6 2364	92 37.6 2280
6	89 56.9 2318	65 47.8 2471	57 27.6 2343	58 3.2 2375	90 51.2 2288
9	91 42.4 2325	67 29.6 2474	59 12.6 2348	56 19.0 2386	89 4.9 2295
12	93 27.8 2333	69 11.5 2478	60 57.4 2354	54 35.1 2399	87 18.8 2304
15	95 13.0 2342	70 53.2 2482	62 42.1 2361	52 51.5 2412	85 32.9 2312
18	96 57.9 2351	72 34.8 2488	64 26.6 2368	51 8.2 2427	83 47.2 2321
21	98 42.7 2361	74 16.3 2494	66 10.9 2376	49 25.3 2442	82 1.7 2330
19 UT	+Nunki	–Hamal	–Aldebaran	–Betelgeuse	–Jupiter
0	67 55.0 2385	47 42.7 2458	80 16.5 2340	99 30.4 2433	116 36.9 2396
3	69 39.0 2393	46 0.5 2476	78 31.5 2350	97 47.6 2443	114 53.2 2406
6	71 22.7 2403	44 18.8 2494	76 46.7 2360	96 5.1 2452	113 9.8 2415
9	73 6.2 2413	42 37.4 2515	75 2.2 2371	94 22.8 2462	111 26.6 2426
12	74 49.4 2424	40 56.6 2537	73 17.9 2383	92 40.7 2474	109 43.7 2437
15	76 32.4 2434	39 16.2 2561	71 33.9 2394	90 58.8 2485	108 1.0 2448
18	78 15.2 2445	37 36.4 2586	69 50.2 2406	89 17.3 2496	106 18.6 2459
21	79 57.7 2457	35 57.2 2615	68 6.8 2418	87 36.0 2509	104 36.4 2472
20 UT	+Nunki	–Aldebaran	–Elnath	–Betelgeuse	–Jupiter
0	81 39.9 2469	66 23.7 2431	78 30.8 2481	85 55.0 2522	102 54.5 2484
3	83 21.8 2481	64 40.8 2444	76 49.2 2494	84 14.3 2535	101 12.9 2496
6	85 3.5 2494	62 58.3 2457	75 7.9 2509	82 33.9 2549	99 31.6 2509
9	86 44.8 2507	61 16.1 2470	73 26.8 2523	80 53.8 2563	97 50.6 2522
12	88 25.9 2521	59 34.2 2484	71 46.2 2537	79 14.0 2577	96 10.0 2536
15	90 6.6 2534	57 52.6 2498	70 5.8 2552	77 34.6 2592	94 29.6 2549
18	91 47.0 2548	56 11.3 2512	68 25.8 2567	75 55.5 2608	92 49.5 2564
21	93 27.1 2562	54 30.4 2526	66 46.2 2583	74 16.8 2623	91 9.8 2577
21 UT	+Enif	–Aldebaran	–Elnath	–Betelgeuse	–Jupiter
0	48 37.8 2897	52 49.8 2541	65 6.9 2599	72 38.4 2640	89 30.3 2592
3	50 10.1 2894	51 9.5 2556	63 28.0 2616	71 0.4 2656	87 51.3 2607
6	51 42.6 2893	49 29.6 2570	61 49.4 2633	69 22.8 2673	86 12.5 2621
9	53 15.0 2894	47 50.0 2586	60 11.2 2650	67 45.5 2690	84 34.1 2636
12	54 47.4 2895	46 10.8 2601	58 33.5 2666	66 8.6 2707	82 56.0 2650
15	56 19.9 2899	44 31.9 2616	56 56.0 2684	64 32.1 2726	81 18.2 2666
18	57 52.2 2903	42 53.4 2632	55 19.0 2702	62 56.0 2744	79 40.8 2680
21	59 24.4 2909	41 15.2 2647	53 42.4 2721	61 20.4 2763	78 3.7 2696

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22 UT	+Enif	–Aldebaran	–Betelgeuse	–Jupiter	–Procyon
0	60 56.6 2915	39 37.3 2663	59 45.1 2782	76 26.9 2711	85 33.7 2731
3	62 28.5 2922	37 59.9 2679	58 10.2 2802	74 50.5 2726	83 57.7 2746
6	64 0.4 2930	36 22.7 2694	56 35.8 2821	73 14.4 2741	82 22.1 2761
9	65 32.1 2938	34 46.0 2711	55 1.8 2842	71 38.7 2757	80 46.8 2777
12	67 3.6 2947	33 9.5 2727	53 28.3 2863	70 3.3 2772	79 11.9 2793
15	68 34.9 2957	31 33.5 2743	51 55.2 2885	68 28.2 2787	77 37.2 2809
18	70 6.0 2967	29 57.8 2760	50 22.6 2907	66 53.5 2802	76 3.0 2824
21	71 36.9 2977	28 22.4 2776	48 50.4 2929	65 19.1 2817	74 29.0 2840
23 UT	+Markab	–Aldebaran	–Betelgeuse	–Jupiter	–Procyon
0	52 49.4 3029	26 47.5 2794	47 18.7 2953	63 45.0 2832	72 55.5 2856
3	54 19.0 3033	25 12.9 2811	45 47.5 2977	62 11.2 2847	71 22.2 2872
6	55 48.5 3038	23 38.6 2828	44 16.8 3002	60 37.8 2861	69 49.3 2887
9	57 17.9 3043	22 4.8 2847	42 46.7 3029	59 4.6 2876	68 16.7 2903
12	58 47.2 3049	20 31.4 2867	41 17.1 3057	57 31.8 2890	66 44.5 2919
15	60 16.4 3056	18 58.3 2887	39 48.1 3086	55 59.3 2904	65 12.6 2935
18	61 45.5 3062	17 25.8 2910	38 19.6 3117	54 27.1 2918	63 41.0 2951
21	63 14.4 3070	15 53.7 2936	36 51.8 3150	52 55.2 2933	62 9.8 2967
24 UT	+Hamal	–Jupiter	–Pollux	–Procyon	–Sun
0	21 32.6 3377	51 23.5 2946	57 46.4 3006	60 38.9 2982	124 58.7 3243
3	22 55.3 3329	49 52.2 2960	56 16.3 3024	59 8.3 2999	123 33.4 3256
6	24 18.9 3291	48 21.2 2973	54 46.6 3040	57 38.1 3014	122 8.4 3268
9	25 43.3 3262	46 50.4 2986	53 17.2 3058	56 8.2 3030	120 43.6 3281
12	27 8.2 3239	45 19.9 3000	51 48.2 3076	54 38.6 3046	119 19.0 3294
15	28 33.6 3220	43 49.7 3012	50 19.6 3094	53 9.3 3062	117 54.7 3305
18	29 59.3 3206	42 19.7 3025	48 51.3 3113	51 40.4 3079	116 30.7 3317
21	31 25.4 3194	40 50.0 3037	47 23.4 3131	50 11.8 3094	115 6.8 3327
25 UT	+Hamal	–Jupiter	–Pollux	–Procyon	–Sun
0	32 51.6 3185	39 20.6 3050	45 55.9 3151	48 43.6 3111	113 43.1 3338
3	34 18.1 3178	37 51.4 3062	44 28.8 3170	47 15.6 3128	112 19.7 3348
6	35 44.6 3173	36 22.5 3074	43 2.0 3191	45 48.1 3145	110 56.5 3358
9	37 11.3 3169	34 53.8 3086	41 35.7 3212	44 20.8 3163	109 33.4 3367
12	38 38.1 3166	33 25.4 3099	40 9.8 3234	42 53.9 3181	108 10.5 3377
15	40 4.9 3164	31 57.2 3112	38 44.3 3258	41 27.4 3200	106 47.8 3384
18	41 31.8 3162	30 29.3 3124	37 19.3 3284	40 1.3 3220	105 25.2 3393
21	42 58.7 3161	29 1.6 3137	35 54.8 3311	38 35.5 3241	104 2.8 3401
26 UT	+Hamal	+Aldebaran	–Jupiter	–Procyon	–Sun
0	44 25.6 3161	10 32.3 3162	27 34.2 3151	37 10.2 3263	102 40.6 3407
3	45 52.5 3160	11 59.2 3139	26 7.1 3165	35 45.3 3286	101 18.4 3414
6	47 19.4 3160	13 26.5 3124	24 40.3 3181	34 20.8 3311	99 56.4 3419
9	48 46.4 3160	14 54.2 3115	23 13.8 3198	32 56.9 3340	98 34.5 3425
12	50 13.3 3160	16 22.0 3108	21 47.6 3218	31 33.4 3371	97 12.7 3430
15	51 40.3 3160	17 50.0 3104	20 21.8 3239	30 10.6 3404	95 51.1 3435
18	53 7.2 3159	19 18.1 3101	18 56.4 3265	28 48.4 3442	94 29.4 3439
21	54 34.2 3159	20 46.2 3099	17 31.6 3297	27 26.9 3486	93 7.9 3442

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
27 UT	+Hamal	+Menkar	+Aldebaran	-Jupiter	-Sun
0	56 1.1 3158	47 54.0 3237	22 14.4 3097	16 7.3 3337	91 46.4 3445
3	57 28.1 3158	49 19.4 3232	23 42.6 3096	14 43.9 3388	90 25.0 3447
6	58 55.1 3156	50 44.9 3227	25 10.9 3094	13 21.4 3457	89 3.7 3449
9	60 22.1 3155	52 10.5 3222	26 39.1 3093	12 0.2 3552	87 42.3 3451
12	61 49.1 3154	53 36.2 3217	28 7.4 3092	10 40.7 3690	86 21.0 3452
15	63 16.2 3152	55 2.1 3212	29 35.7 3090	9 23.8 3900	84 59.7 3452
18	64 43.3 3150	56 27.9 3207	31 4.1 3089	8 10.5 4240	83 38.4 3452
21	66 10.5 3147	57 53.9 3202	32 32.4 3086	7 2.7 4831	82 17.1 3451
28 UT	+Hamal	+Menkar	+Aldebaran	+Elnath	-Sun
0	67 37.6 3145	59 20.0 3197	34 0.9 3084	23 37.3 3410	80 55.8 3450
3	69 4.9 3141	60 46.2 3192	35 29.3 3081	24 59.4 3372	79 34.5 3448
6	70 32.2 3138	62 12.5 3187	36 57.9 3078	26 22.2 3340	78 13.1 3445
9	71 59.6 3134	63 39.0 3180	38 26.4 3075	27 45.6 3311	76 51.7 3442
12	73 27.1 3130	65 5.5 3175	39 55.1 3071	29 9.5 3287	75 30.3 3439
15	74 54.6 3125	66 32.1 3169	41 23.9 3067	30 34.0 3264	74 8.7 3436
18	76 22.2 3120	67 58.9 3162	42 52.7 3062	31 58.9 3243	72 47.1 3431
21	77 50.0 3115	69 25.8 3156	44 21.6 3057	33 24.2 3225	71 25.5 3426
29 UT	+Aldebaran	+Elnath	+Betelgeuse	+Jupiter	-Sun
0	45 50.6 3052	34 49.8 3207	28 44.1 3470	9 22.2 3663	70 3.7 3421
3	47 19.7 3046	36 15.8 3190	30 5.0 3427	10 39.7 3518	68 41.8 3415
6	48 49.0 3040	37 42.2 3175	31 26.8 3390	11 59.7 3417	67 19.8 3409
9	50 18.4 3033	39 8.8 3159	32 49.2 3355	13 21.7 3343	65 57.7 3402
12	51 47.9 3026	40 35.8 3145	34 12.4 3325	14 45.0 3287	64 35.5 3395
15	53 17.6 3019	42 3.0 3131	35 36.1 3296	16 9.5 3243	63 13.1 3388
18	54 47.4 3011	43 30.5 3116	37 0.3 3269	17 34.7 3206	61 50.6 3379
21	56 17.3 3003	44 58.4 3103	38 25.1 3244	19 0.8 3176	60 28.0 3371
30 UT	+Aldebaran	+Elnath	+Betelgeuse	+Jupiter	-Sun
0	57 47.5 2995	46 26.4 3090	39 50.4 3221	20 27.4 3150	59 5.1 3363
3	59 17.8 2986	47 54.8 3076	41 16.1 3199	21 54.5 3126	57 42.2 3353
6	60 48.3 2977	49 23.4 3063	42 42.3 3178	23 22.1 3105	56 19.0 3343
9	62 19.0 2968	50 52.3 3050	44 8.9 3158	24 50.2 3086	54 55.7 3334
12	63 49.8 2958	52 21.5 3037	45 35.8 3138	26 18.6 3068	53 32.1 3323
15	65 20.9 2948	53 50.9 3024	47 3.2 3119	27 47.4 3050	52 8.4 3313
18	66 52.2 2938	55 20.6 3011	48 31.0 3101	29 16.6 3034	50 44.5 3302
21	68 23.7 2927	56 50.6 2998	49 59.1 3083	30 46.1 3018	49 20.3 3291