

## AUGUST 2008

	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>2 UT</b>	<b>+Sun</b>	<b>–Gienah</b>	<b>–Spica</b>	<b>–Zubenelgen</b>	<b>–Antares</b>
0	7 39.0 2595	54 29.8 2382	66 15.2 2278	87 28.6 2293	112 5.5 2272
3	9 18.0 2601	52 45.8 2400	64 28.7 2291	85 42.5 2306	110 18.8 2285
6	10 56.9 2611	51 2.2 2419	62 42.5 2304	83 56.6 2318	108 32.5 2297
9	12 35.5 2623	49 19.1 2438	60 56.6 2317	82 11.1 2332	106 46.4 2311
12	14 13.9 2636	47 36.5 2459	59 11.0 2331	80 25.9 2346	105 0.7 2324
15	15 52.0 2650	45 54.3 2482	57 25.8 2345	78 41.0 2360	103 15.3 2338
18	17 29.8 2664	44 12.7 2505	55 40.9 2360	76 56.5 2374	101 30.3 2352
21	19 7.2 2680	42 31.6 2530	53 56.4 2375	75 12.3 2389	99 45.6 2367
<b>3 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Spica</b>	<b>–Zubenelgen</b>	<b>–Antares</b>
0	20 44.3 2694	6 15.6 2994	52 12.2 2390	73 28.5 2405	98 1.2 2382
3	22 21.1 2710	7 45.9 2940	50 28.4 2406	71 45.0 2420	96 17.2 2397
6	23 57.5 2726	9 17.4 2916	48 45.0 2421	70 1.9 2436	94 33.6 2412
9	25 33.6 2743	10 49.3 2909	47 1.9 2438	68 19.2 2453	92 50.3 2428
12	27 9.3 2760	12 21.4 2910	45 19.3 2454	66 36.9 2469	91 7.4 2444
15	28 44.6 2777	13 53.5 2916	43 37.0 2471	64 55.0 2486	89 24.9 2460
18	30 19.6 2794	15 25.5 2926	41 55.1 2488	63 13.4 2503	87 42.7 2476
21	31 54.2 2811	16 57.2 2937	40 13.6 2505	61 32.3 2520	86 1.0 2492
<b>4 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Spica</b>	<b>–Antares</b>	<b>–Jupiter</b>
0	33 28.4 2829	18 28.8 2951	38 32.5 2522	84 19.6 2509	118 58.8 2483
3	35 2.2 2847	20 0.0 2965	36 51.8 2540	82 38.6 2525	117 17.2 2499
6	36 35.7 2865	21 30.9 2980	35 11.5 2558	80 58.0 2542	115 35.9 2516
9	38 8.7 2882	23 1.6 2996	33 31.6 2576	79 17.7 2559	113 55.1 2532
12	39 41.4 2900	24 31.8 3012	31 52.2 2594	77 37.9 2575	112 14.6 2548
15	41 13.7 2918	26 1.8 3030	30 13.1 2613	75 58.4 2592	110 34.5 2565
18	42 45.6 2936	27 31.4 3047	28 34.5 2632	74 19.3 2609	108 54.8 2582
21	44 17.2 2954	29 0.6 3063	26 56.3 2651	72 40.6 2625	107 15.5 2598
<b>5 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Spica</b>	<b>–Antares</b>	<b>–Jupiter</b>
0	45 48.3 2972	30 29.5 3081	25 18.6 2671	71 2.3 2642	105 36.6 2615
3	47 19.1 2989	31 58.1 3098	23 41.3 2691	69 24.3 2658	103 58.0 2631
6	48 49.5 3007	33 26.2 3115	22 4.4 2713	67 46.7 2675	102 19.8 2647
9	50 19.6 3024	34 54.1 3133	20 28.1 2735	66 9.5 2691	100 41.9 2663
12	51 49.3 3042	36 21.6 3150	18 52.2 2759	64 32.6 2707	99 4.4 2680
15	53 18.6 3059	37 48.7 3167	17 16.8 2785	62 56.1 2723	97 27.3 2695
18	54 47.6 3076	39 15.5 3184	15 42.1 2815	61 20.0 2739	95 50.6 2711
21	56 16.3 3093	40 42.0 3201	14 7.9 2850	59 44.2 2754	94 14.1 2727
<b>6 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Antares</b>	<b>–Shaula</b>	<b>–Jupiter</b>
0	57 44.5 3109	42 8.1 3218	58 8.7 2769	72 39.1 2836	92 38.1 2741
3	59 12.5 3125	43 33.9 3234	56 33.6 2785	71 5.4 2852	91 2.3 2757
6	60 40.1 3142	44 59.4 3250	54 58.8 2799	69 32.1 2869	89 26.9 2771
9	62 7.4 3157	46 24.5 3266	53 24.4 2814	67 59.1 2884	87 51.9 2786
12	63 34.4 3173	47 49.4 3282	51 50.2 2829	66 26.5 2901	86 17.1 2801
15	65 1.1 3187	49 13.9 3297	50 16.4 2842	64 54.2 2916	84 42.7 2814
18	66 27.5 3203	50 38.1 3312	48 42.8 2856	63 22.3 2932	83 8.5 2828
21	67 53.6 3217	52 2.1 3326	47 9.6 2869	61 50.6 2947	81 34.7 2841

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<b>7 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>–Antares</b>	<b>–Shaula</b>	<b>–Jupiter</b>
0	69 19.4 3231	53 25.8 3341	45 36.6 2882	60 19.3 2963	80 1.1 2854
3	70 44.9 3245	54 49.2 3355	44 3.9 2895	58 48.4 2978	78 27.8 2867
6	72 10.2 3258	56 12.3 3368	42 31.5 2907	57 17.7 2994	76 54.8 2879
9	73 35.2 3271	57 35.2 3381	40 59.3 2919	55 47.4 3008	75 22.1 2891
12	74 60.0 3283	58 57.8 3394	39 27.4 2930	54 17.4 3024	73 49.6 2903
15	76 24.5 3295	60 20.2 3406	37 55.8 2941	52 47.6 3038	72 17.3 2914
18	77 48.7 3307	61 42.3 3419	36 24.3 2952	51 18.2 3054	70 45.3 2925
21	79 12.8 3318	63 4.2 3429	34 53.1 2962	49 49.1 3068	69 13.5 2935
<b>8 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>+Spica</b>	<b>–Antares</b>	<b>–Jupiter</b>
0	80 36.6 3329	64 25.9 3440	12 47.7 3065	33 22.1 2972	67 42.0 2945
3	82 0.3 3339	65 47.5 3451	14 16.5 3057	31 51.4 2981	66 10.6 2955
6	83 23.7 3348	67 8.8 3461	15 45.6 3053	30 20.8 2990	64 39.5 2964
9	84 46.9 3357	68 29.9 3470	17 14.7 3051	28 50.4 2999	63 8.5 2972
12	86 10.0 3366	69 50.8 3479	18 43.8 3052	27 20.1 3007	61 37.7 2980
15	87 32.9 3374	71 11.6 3488	20 12.9 3053	25 50.1 3014	60 7.1 2988
18	88 55.7 3382	72 32.3 3496	21 42.0 3056	24 20.2 3022	58 36.7 2996
21	90 18.3 3389	73 52.7 3502	23 11.1 3058	22 50.4 3028	57 6.4 3003
<b>9 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>+Spica</b>	<b>–Nunki</b>	<b>–Jupiter</b>
0	91 40.8 3396	75 13.1 3510	24 40.1 3061	53 54.0 3034	55 36.2 3009
3	93 3.1 3402	76 33.3 3516	26 9.0 3064	52 24.5 3039	54 6.2 3015
6	94 25.3 3408	77 53.4 3522	27 37.9 3067	50 55.1 3045	52 36.3 3021
9	95 47.4 3413	79 13.4 3527	29 6.7 3070	49 25.8 3050	51 6.5 3026
12	97 9.5 3418	80 33.3 3532	30 35.5 3072	47 56.6 3054	49 36.9 3031
15	98 31.4 3421	81 53.1 3536	32 4.2 3074	46 27.5 3057	48 7.3 3035
18	99 53.3 3426	83 12.8 3540	33 32.9 3076	44 58.5 3061	46 37.8 3039
21	101 15.0 3428	84 32.5 3543	35 1.5 3078	43 29.6 3064	45 8.4 3042
<b>10 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>+Spica</b>	<b>–Nunki</b>	<b>–Jupiter</b>
0	102 36.8 3431	85 52.1 3546	36 30.1 3080	42 0.7 3066	43 39.1 3046
3	103 58.5 3433	87 11.6 3548	37 58.7 3080	40 31.8 3068	42 9.8 3048
6	105 20.1 3434	88 31.1 3549	39 27.2 3081	39 3.0 3069	40 40.6 3050
9	106 41.7 3436	89 50.6 3551	40 55.8 3081	37 34.3 3070	39 11.4 3052
12	108 3.3 3436	91 10.1 3552	42 24.3 3081	36 5.5 3071	37 42.3 3054
15	109 24.9 3436	92 29.5 3551	43 52.8 3080	34 36.8 3070	36 13.2 3054
18	110 46.5 3435	93 49.0 3551	45 21.4 3080	33 8.0 3070	34 44.1 3055
21	112 8.1 3435	95 8.4 3551	46 49.9 3078	31 39.3 3070	33 15.1 3056
<b>11 UT</b>	<b>+Sun</b>	<b>+Venus</b>	<b>+Spica</b>	<b>–Nunki</b>	<b>–Jupiter</b>
0	113 29.7 3433	96 27.9 3549	48 18.5 3077	30 10.5 3068	31 46.0 3057
3	114 51.3 3431	97 47.4 3547	49 47.1 3074	28 41.7 3066	30 17.0 3056
6	116 13.0 3429	99 6.9 3545	51 15.8 3072	27 12.9 3064	28 47.9 3057
9	117 34.7 3427	100 26.5 3542	52 44.5 3069	25 44.0 3062	27 18.9 3057
12	118 56.5 3423	101 46.1 3539	54 13.3 3066	24 15.1 3059	25 49.9 3057
15	120 18.3 3419	103 5.7 3536	55 42.2 3062	22 46.1 3055	24 20.8 3057
18	121 40.2 3415	104 25.5 3531	57 11.1 3058	21 17.0 3052	22 51.8 3057
21	123 2.2 3411	105 45.3 3527	58 40.1 3054	19 47.9 3048	21 22.8 3058

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<b>12 UT</b>	<b>+Venus</b>	<b>+Spica</b>	<b>+Antares</b>	<b>–Nunki</b>	<b>–Jupiter</b>
0	107 5.2 3522	60 9.2 3049	14 15.1 3044	18 18.7 3043	19 53.8 3060
3	108 25.2 3517	61 38.4 3044	15 44.4 3039	16 49.4 3038	18 24.8 3063
6	109 45.3 3511	63 7.7 3038	17 13.8 3033	15 19.9 3033	16 55.9 3069
9	111 5.4 3505	64 37.1 3033	18 43.3 3027	13 50.4 3028	15 27.1 3077
12	112 25.8 3499	66 6.6 3027	20 13.0 3021	12 20.8 3023	13 58.5 3090
15	113 46.2 3492	67 36.3 3020	21 42.7 3015	10 51.1 3017	12 30.2 3110
18	115 6.7 3485	69 6.1 3013	23 12.6 3008	9 21.2 3011	11 2.2 3143
21	116 27.4 3477	70 36.0 3006	24 42.7 3001	7 51.2 3005	9 35.0 3197
<b>13 UT</b>	<b>+Spica</b>	<b>+Menkent</b>	<b>+Zubenelgen</b>	<b>+Antares</b>	<b>–Fomalhaut</b>
0	72 6.1 2999	55 12.2 3277	51 3.7 3027	26 12.8 2994	58 48.3 3484
3	73 36.3 2991	56 36.9 3259	52 33.4 3018	27 43.2 2986	57 27.6 3493
6	75 6.7 2983	58 1.9 3243	54 3.2 3009	29 13.7 2978	56 7.1 3504
9	76 37.2 2976	59 27.2 3227	55 33.2 3000	30 44.3 2971	54 46.8 3516
12	78 7.9 2967	60 52.8 3211	57 3.4 2991	32 15.1 2962	53 26.7 3529
15	79 38.8 2958	62 18.7 3196	58 33.8 2982	33 46.1 2954	52 6.9 3545
18	81 9.9 2950	63 44.9 3181	60 4.4 2972	35 17.3 2945	50 47.3 3562
21	82 41.1 2941	65 11.5 3166	61 35.2 2962	36 48.6 2936	49 28.0 3583
<b>14 UT</b>	<b>+Spica</b>	<b>+Antares</b>	<b>+Nunki</b>	<b>+Jupiter</b>	<b>–Markab</b>
0	84 12.6 2932	38 20.2 2927	5 47.4 2932	5 18.5 3430	67 49.7 3139
3	85 44.2 2922	39 51.9 2918	7 19.0 2921	6 40.2 3224	66 22.3 3134
6	87 16.0 2913	41 23.9 2908	8 50.8 2910	8 5.8 3108	64 54.9 3130
9	88 48.1 2903	42 56.0 2898	10 22.9 2900	9 33.8 3036	63 27.3 3127
12	90 20.3 2893	44 28.3 2888	11 55.2 2890	11 3.3 2986	61 59.7 3124
15	91 52.8 2884	46 0.9 2879	13 27.7 2880	12 33.8 2950	60 32.1 3121
18	93 25.4 2874	47 33.6 2869	15 0.5 2870	14 5.0 2921	59 4.3 3119
21	94 58.3 2863	49 6.6 2858	16 33.4 2859	15 36.9 2897	57 36.6 3117
<b>15 UT</b>	<b>+Antares</b>	<b>+Shaula</b>	<b>+Nunki</b>	<b>+Jupiter</b>	<b>–Hamal</b>
0	50 39.8 2848	37 27.5 3009	18 6.6 2849	17 9.2 2876	97 24.6 2863
3	52 13.2 2838	38 57.6 2988	19 40.0 2838	18 42.0 2858	95 51.5 2853
6	53 46.9 2827	40 28.0 2968	21 13.6 2827	20 15.2 2841	94 18.2 2842
9	55 20.7 2817	41 58.9 2949	22 47.5 2817	21 48.8 2826	92 44.6 2832
12	56 54.8 2806	43 30.1 2931	24 21.6 2807	23 22.7 2812	91 10.9 2821
15	58 29.1 2796	45 1.8 2914	25 55.9 2796	24 56.9 2798	89 36.9 2811
18	60 3.7 2785	46 33.8 2898	27 30.4 2785	26 31.4 2785	88 2.7 2800
21	61 38.5 2774	48 6.1 2881	29 5.2 2775	28 6.2 2772	86 28.2 2790
<b>16 UT</b>	<b>+Antares</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>+Jupiter</b>	<b>–Hamal</b>
0	63 13.5 2764	39 3.2 2854	30 40.2 2764	29 41.2 2759	84 53.5 2779
3	64 48.7 2753	40 36.5 2838	32 15.5 2754	31 16.6 2747	83 18.6 2769
6	66 24.2 2743	42 10.2 2822	33 50.9 2743	32 52.2 2735	81 43.5 2758
9	67 59.9 2732	43 44.1 2807	35 26.6 2732	34 28.1 2724	80 8.1 2748
12	69 35.8 2722	45 18.4 2792	37 2.6 2722	36 4.2 2712	78 32.5 2737
15	71 12.0 2711	46 53.1 2778	38 38.7 2711	37 40.6 2701	76 56.7 2727
18	72 48.4 2701	48 28.0 2765	40 15.1 2701	39 17.2 2690	75 20.6 2717
21	74 25.1 2690	50 3.2 2751	41 51.8 2690	40 54.1 2679	73 44.4 2707

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<b>17 UT</b>	<b>+Antares</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>+Jupiter</b>	<b>–Hamal</b>
0	76 1.9 2680	51 38.8 2738	43 28.6 2680	42 31.2 2668	72 7.9 2697
3	77 39.0 2670	53 14.6 2726	45 5.7 2670	44 8.6 2658	70 31.1 2687
6	79 16.4 2660	54 50.6 2713	46 43.1 2659	45 46.2 2647	68 54.2 2677
9	80 53.9 2650	56 27.0 2701	48 20.6 2650	47 24.0 2636	67 17.0 2668
12	82 31.7 2640	58 3.6 2690	49 58.4 2640	49 2.1 2627	65 39.7 2658
15	84 9.7 2629	59 40.5 2678	51 36.4 2630	50 40.4 2616	64 2.1 2649
18	85 47.9 2620	61 17.7 2667	53 14.6 2620	52 19.0 2607	62 24.3 2640
21	87 26.4 2610	62 55.1 2655	54 53.1 2610	53 57.7 2596	60 46.3 2630
<b>18 UT</b>	<b>+Kaus Aust.</b>	<b>+Nunki</b>	<b>+Jupiter</b>	<b>–Hamal</b>	<b>–Aldebaran</b>
0	64 32.7 2645	56 31.8 2601	55 36.7 2587	59 8.0 2622	91 15.5 2673
3	66 10.6 2635	58 10.6 2592	57 15.9 2578	57 29.6 2613	89 38.3 2663
6	67 48.7 2624	59 49.7 2582	58 55.3 2568	55 51.0 2605	88 0.8 2654
9	69 27.1 2615	61 29.1 2573	60 35.0 2559	54 12.2 2597	86 23.1 2645
12	71 5.7 2604	63 8.6 2564	62 14.8 2550	52 33.3 2589	84 45.2 2636
15	72 44.5 2595	64 48.3 2555	63 54.9 2541	50 54.1 2581	83 7.1 2629
18	74 23.5 2585	66 28.2 2546	65 35.2 2532	49 14.8 2573	81 28.9 2620
21	76 2.7 2577	68 8.4 2538	67 15.6 2524	47 35.3 2567	79 50.4 2612
<b>19 UT</b>	<b>+Nunki</b>	<b>+Jupiter</b>	<b>–Hamal</b>	<b>–Aldebaran</b>	<b>–Elnath</b>
0	69 48.7 2529	68 56.3 2515	45 55.6 2560	78 11.8 2605	90 20.9 2530
3	71 29.2 2521	70 37.1 2507	44 15.8 2553	76 33.0 2597	88 40.4 2522
6	73 9.9 2513	72 18.2 2499	42 35.8 2547	74 54.0 2591	86 59.7 2514
9	74 50.8 2505	73 59.4 2491	40 55.7 2542	73 14.9 2584	85 18.8 2506
12	76 31.9 2497	75 40.9 2483	39 15.4 2536	71 35.6 2577	83 37.7 2498
15	78 13.2 2489	77 22.5 2475	37 35.1 2532	69 56.2 2571	81 56.4 2490
18	79 54.7 2481	79 4.3 2467	35 54.6 2528	68 16.7 2566	80 15.0 2482
21	81 36.3 2475	80 46.2 2461	34 14.0 2525	66 37.0 2561	78 33.4 2476
<b>20 UT</b>	<b>+Jupiter</b>	<b>–Hamal</b>	<b>–Aldebaran</b>	<b>–Capella</b>	<b>–Elnath</b>
0	82 28.4 2453	32 33.4 2522	64 57.2 2555	76 0.0 2712	76 51.6 2467
3	84 10.7 2446	30 52.7 2521	63 17.2 2552	74 23.6 2710	75 9.6 2461
6	85 53.1 2439	29 12.0 2521	61 37.2 2547	72 47.2 2707	73 27.5 2453
9	87 35.8 2432	27 31.3 2522	59 57.1 2543	71 10.7 2705	71 45.2 2446
12	89 18.6 2425	25 50.6 2525	58 16.9 2540	69 34.2 2704	70 2.7 2440
15	91 1.6 2420	24 9.9 2531	56 36.6 2538	67 57.6 2705	68 20.1 2433
18	92 44.7 2412	22 29.5 2540	54 56.3 2536	66 21.1 2705	66 37.3 2426
21	94 27.9 2406	20 49.2 2553	53 15.9 2534	64 44.5 2707	64 54.4 2420
<b>21 UT</b>	<b>+Jupiter</b>	<b>–Aldebaran</b>	<b>–Capella</b>	<b>–Elnath</b>	<b>–Betelgeuse</b>
0	96 11.3 2400	51 35.5 2534	63 8.0 2709	63 11.3 2414	71 51.7 2718
3	97 54.9 2394	49 55.1 2533	61 31.6 2713	61 28.0 2407	70 15.4 2718
6	99 38.6 2389	48 14.6 2535	59 55.2 2718	59 44.6 2402	68 39.1 2719
9	101 22.5 2382	46 34.2 2536	58 18.9 2724	58 1.1 2395	67 2.9 2721
12	103 6.4 2377	44 53.8 2540	56 42.8 2731	56 17.5 2390	65 26.7 2725
15	104 50.6 2372	43 13.6 2544	55 6.8 2740	54 33.6 2384	63 50.6 2729
18	106 34.8 2366	41 33.4 2549	53 31.1 2751	52 49.7 2378	62 14.6 2735
21	108 19.2 2361	39 53.3 2557	51 55.6 2764	51 5.6 2373	60 38.7 2742

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<b>22 UT</b>	<b>+Jupiter</b>	<b>–Aldebaran</b>	<b>–Elnath</b>	<b>–Betelgeuse</b>	<b>–Sun</b>
0	110 3.7 2356	38 13.4 2566	49 21.4 2368	59 3.0 2750	116 2.7 2677
3	111 48.3 2350	36 33.7 2578	47 37.1 2362	57 27.5 2760	114 25.6 2671
6	113 33.1 2346	34 54.3 2593	45 52.6 2357	55 52.1 2772	112 48.3 2666
9	115 17.9 2341	33 15.2 2611	44 8.0 2353	54 17.1 2786	111 10.8 2661
12	117 2.9 2336	31 36.6 2632	42 23.3 2347	52 42.3 2801	109 33.3 2655
15	118 48.0 2332	29 58.4 2660	40 38.5 2343	51 7.8 2819	107 55.7 2650
18	120 33.2 2327	28 20.9 2693	38 53.5 2338	49 33.8 2839	106 17.9 2645
21	122 18.5 2323	26 44.1 2735	37 8.5 2334	48 0.2 2864	104 40.0 2640
<b>23 UT</b>	<b>+Fomalhaut</b>	<b>+Markab</b>	<b>+Hamal</b>	<b>–Elnath</b>	<b>–Sun</b>
0	76 21.0 2689	53 56.1 2600	10 23.8 2774	35 23.3 2329	103 2.0 2635
3	77 57.9 2679	55 35.0 2585	11 58.8 2656	33 38.0 2325	101 23.9 2630
6	79 35.0 2671	57 14.2 2570	13 36.5 2577	31 52.7 2321	99 45.7 2625
9	81 12.3 2663	58 53.8 2557	15 15.9 2520	30 7.2 2316	98 7.3 2621
12	82 49.8 2657	60 33.7 2544	16 56.6 2478	28 21.6 2313	96 28.9 2617
15	84 27.4 2650	62 13.9 2533	18 38.4 2446	26 35.9 2309	94 50.4 2612
18	86 5.2 2645	63 54.4 2521	20 20.8 2420	24 50.2 2305	93 11.8 2607
21	87 43.1 2640	65 35.1 2512	22 3.9 2400	23 4.3 2302	91 33.0 2604
<b>24 UT</b>	<b>+Markab</b>	<b>+Diphda</b>	<b>+Hamal</b>	<b>–Elnath</b>	<b>–Sun</b>
0	67 16.0 2503	63 1.7 2811	23 47.5 2382	21 18.4 2299	89 54.2 2600
3	68 57.2 2494	64 35.9 2792	25 31.5 2368	19 32.4 2297	88 15.3 2596
6	70 38.5 2486	66 10.5 2775	27 15.8 2355	17 46.4 2295	86 36.3 2592
9	72 20.0 2479	67 45.5 2760	29 0.5 2345	16 0.2 2293	84 57.2 2588
12	74 1.8 2472	69 20.8 2746	30 45.4 2336	14 14.1 2293	83 18.0 2586
15	75 43.6 2466	70 56.5 2732	32 30.5 2327	12 28.0 2294	81 38.8 2582
18	77 25.6 2461	72 32.4 2721	34 15.8 2320	10 41.8 2298	79 59.5 2579
21	79 7.7 2455	74 8.6 2710	36 1.3 2313	8 55.8 2307	78 20.1 2576
<b>25 UT</b>	<b>+Markab</b>	<b>+Diphda</b>	<b>+Alpheratz</b>	<b>+Hamal</b>	<b>–Sun</b>
0	80 50.0 2451	75 45.0 2701	61 59.6 2664	37 46.9 2307	76 40.6 2573
3	82 32.4 2447	77 21.7 2692	63 37.1 2650	39 32.7 2302	75 1.1 2571
6	84 14.8 2443	78 58.5 2684	65 14.9 2636	41 18.7 2297	73 21.5 2568
9	85 57.4 2441	80 35.5 2678	66 52.9 2624	43 4.7 2293	71 41.9 2566
12	87 40.0 2438	82 12.6 2673	68 31.3 2614	44 50.9 2289	70 2.2 2564
15	89 22.6 2436	83 49.9 2668	70 9.9 2604	46 37.1 2286	68 22.5 2562
18	91 5.3 2435	85 27.3 2665	71 48.7 2595	48 23.4 2283	66 42.7 2561
21	92 48.1 2434	87 4.7 2662	73 27.7 2588	50 9.8 2280	65 2.9 2559
<b>26 UT</b>	<b>+Hamal</b>	<b>+Menkar</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>–Sun</b>
0	51 56.3 2277	48 0.8 2647	22 0.1 2782	7 14.2 2289	63 23.1 2558
3	53 42.8 2276	49 38.7 2626	23 35.0 2711	9 0.5 2277	61 43.2 2557
6	55 29.4 2274	51 17.0 2607	25 11.4 2653	10 47.0 2269	60 3.3 2557
9	57 16.0 2273	52 55.7 2590	26 49.1 2607	12 33.8 2265	58 23.4 2557
12	59 2.7 2272	54 34.9 2576	28 27.8 2567	14 20.6 2262	56 43.5 2557
15	60 49.3 2272	56 14.3 2562	30 7.5 2536	16 7.5 2260	55 3.6 2557
18	62 36.0 2271	57 54.1 2551	31 47.9 2509	17 54.5 2259	53 23.8 2558
21	64 22.7 2271	59 34.1 2540	33 28.9 2486	19 41.5 2258	51 43.9 2558

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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
<b>27 UT</b>	<b>+Hamal</b>	<b>+Menkar</b>	<b>+Aldebaran</b>	<b>+Elnath</b>	<b>–Sun</b>
0	66 9.4 2272	61 14.4 2532	35 10.4 2468	21 28.5 2259	50 4.0 2560
3	67 56.0 2273	62 54.9 2524	36 52.4 2452	23 15.4 2259	48 24.2 2561
6	69 42.7 2274	64 35.5 2518	38 34.7 2439	25 2.4 2260	46 44.4 2563
9	71 29.3 2275	66 16.3 2513	40 17.4 2428	26 49.4 2262	45 4.7 2566
12	73 15.9 2277	67 57.2 2509	42 0.3 2418	28 36.3 2264	43 25.0 2568
15	75 2.4 2280	69 38.2 2506	43 43.4 2411	30 23.2 2266	41 45.3 2571
18	76 48.9 2282	71 19.3 2504	45 26.7 2405	32 10.0 2269	40 5.8 2575
21	78 35.3 2285	73 0.4 2502	47 10.2 2400	33 56.7 2271	38 26.3 2578
<b>28 UT</b>	<b>+Hamal</b>	<b>+Aldebaran</b>	<b>+Capella</b>	<b>+Elnath</b>	<b>–Sun</b>
0	80 21.6 2289	48 53.7 2397	41 2.6 2827	35 43.4 2275	36 46.9 2583
3	82 7.9 2292	50 37.3 2395	42 36.4 2795	37 30.0 2279	35 7.6 2588
6	83 54.0 2297	52 21.0 2394	44 11.0 2767	39 16.5 2283	33 28.4 2593
9	85 40.1 2301	54 4.7 2393	45 46.2 2743	41 2.9 2287	31 49.4 2599
12	87 26.1 2306	55 48.5 2394	47 21.9 2723	42 49.1 2293	30 10.4 2605
15	89 11.9 2311	57 32.2 2395	48 58.0 2705	44 35.3 2297	28 31.6 2611
18	90 57.6 2318	59 15.9 2397	50 34.6 2691	46 21.3 2303	26 53.0 2619
21	92 43.1 2323	60 59.5 2400	52 11.4 2679	48 7.2 2309	25 14.5 2626
<b>29 UT</b>	<b>+Aldebaran</b>	<b>+Capella</b>	<b>+Elnath</b>	<b>+Betelgeuse</b>	<b>–Sun</b>
0	62 43.1 2404	53 48.6 2669	49 53.0 2315	46 4.2 2853	23 36.2 2635
3	64 26.5 2408	55 25.9 2661	51 38.6 2322	47 37.5 2831	21 58.1 2644
6	66 9.9 2413	57 3.4 2655	53 24.0 2329	49 11.2 2812	20 20.2 2654
9	67 53.2 2418	58 41.1 2650	55 9.3 2337	50 45.4 2796	18 42.5 2666
12	69 36.3 2424	60 18.9 2647	56 54.4 2345	52 20.0 2782	17 5.1 2679
15	71 19.3 2431	61 56.7 2646	58 39.3 2353	53 54.9 2771	15 27.9 2693
18	73 2.1 2438	63 34.6 2646	60 24.0 2361	55 29.9 2763	13 51.1 2711
21	74 44.8 2445	65 12.4 2647	62 8.5 2370	57 5.2 2756	12 14.7 2732