

FEBRUARY 2013

| | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. |
|-------------|-----------------|-----------------|-----------------|--------------------|---------------|
| 1 UT | +Procyon | +Regulus | –Saturn | –Antares | –Sun |
| 0 | 73 23.8 2620 | 39 49.1 2571 | 32 6.3 2563 | 60 7.4 2558 | 122 32.9 2890 |
| 3 | 75 2.2 2610 | 41 28.6 2560 | 30 26.6 2558 | 58 27.6 2551 | 121 0.4 2880 |
| 6 | 76 40.9 2600 | 43 8.5 2549 | 28 46.7 2552 | 56 47.6 2543 | 119 27.7 2870 |
| 9 | 78 19.8 2590 | 44 48.5 2538 | 27 6.7 2548 | 55 7.4 2537 | 117 54.7 2860 |
| 12 | 79 59.0 2581 | 46 28.9 2527 | 25 26.6 2545 | 53 27.0 2530 | 116 21.6 2851 |
| 15 | 81 38.3 2571 | 48 9.5 2517 | 23 46.4 2542 | 51 46.5 2523 | 114 48.2 2841 |
| 18 | 83 17.9 2562 | 49 50.3 2507 | 22 6.2 2542 | 50 5.8 2516 | 113 14.7 2831 |
| 21 | 84 57.6 2553 | 51 31.3 2496 | 20 25.9 2543 | 48 25.0 2510 | 111 40.9 2821 |
| 2 UT | +Procyon | +Regulus | –Antares | –Sabik | –Sun |
| 0 | 86 37.6 2544 | 53 12.6 2486 | 46 44.0 2504 | 55 42.6 2481 | 110 6.9 2811 |
| 3 | 88 17.8 2535 | 54 54.2 2476 | 45 2.9 2498 | 54 0.9 2473 | 108 32.7 2801 |
| 6 | 89 58.2 2526 | 56 35.9 2466 | 43 21.6 2493 | 52 19.1 2465 | 106 58.2 2792 |
| 9 | 91 38.8 2518 | 58 17.9 2456 | 41 40.2 2488 | 50 37.0 2458 | 105 23.6 2782 |
| 12 | 93 19.6 2509 | 60 0.2 2447 | 39 58.8 2484 | 48 54.8 2451 | 103 48.8 2773 |
| 15 | 95 0.6 2501 | 61 42.6 2437 | 38 17.2 2479 | 47 12.5 2443 | 102 13.7 2762 |
| 18 | 96 41.8 2493 | 63 25.3 2428 | 36 35.5 2476 | 45 29.9 2437 | 100 38.5 2754 |
| 21 | 98 23.2 2485 | 65 8.2 2418 | 34 53.7 2474 | 43 47.2 2430 | 99 3.0 2743 |
| 3 UT | +Regulus | +Spica | –Antares | –Sabik | –Sun |
| 0 | 66 51.4 2409 | 12 50.5 2387 | 33 11.9 2474 | 42 4.4 2423 | 97 27.3 2734 |
| 3 | 68 34.7 2400 | 14 34.4 2378 | 31 30.1 2474 | 40 21.4 2418 | 95 51.4 2724 |
| 6 | 70 18.3 2390 | 16 18.5 2369 | 29 48.2 2476 | 38 38.2 2412 | 94 15.3 2715 |
| 9 | 72 2.1 2381 | 18 2.8 2360 | 28 6.5 2480 | 36 54.9 2407 | 92 38.9 2706 |
| 12 | 73 46.1 2372 | 19 47.3 2352 | 26 24.8 2487 | 35 11.5 2403 | 91 2.4 2696 |
| 15 | 75 30.3 2363 | 21 32.1 2342 | 24 43.3 2497 | 33 28.0 2399 | 89 25.7 2687 |
| 18 | 77 14.8 2354 | 23 17.0 2334 | 23 2.0 2513 | 31 44.4 2396 | 87 48.7 2678 |
| 21 | 78 59.4 2345 | 25 2.2 2325 | 21 21.1 2535 | 30 0.8 2395 | 86 11.6 2668 |
| 4 UT | +Regulus | +Spica | +Saturn | –Sabik | –Sun |
| 0 | 80 44.3 2337 | 26 47.5 2317 | 9 45.9 2564 | 28 17.1 2395 | 84 34.2 2660 |
| 3 | 82 29.4 2328 | 28 33.1 2308 | 11 25.6 2491 | 26 33.4 2396 | 82 56.7 2650 |
| 6 | 84 14.7 2320 | 30 18.9 2300 | 13 7.0 2443 | 24 49.7 2401 | 81 18.9 2642 |
| 9 | 86 0.2 2312 | 32 4.8 2292 | 14 49.6 2406 | 23 6.2 2408 | 79 40.9 2633 |
| 12 | 87 45.9 2304 | 33 51.0 2284 | 16 33.0 2378 | 21 22.8 2420 | 78 2.8 2625 |
| 15 | 89 31.8 2295 | 35 37.4 2276 | 18 17.1 2355 | 19 39.7 2438 | 76 24.4 2616 |
| 18 | 91 17.9 2288 | 37 24.0 2268 | 20 1.7 2336 | 17 57.0 2465 | 74 45.9 2609 |
| 21 | 93 4.2 2280 | 39 10.7 2260 | 21 46.8 2319 | 16 15.0 2504 | 73 7.2 2600 |
| 5 UT | +Gienah | +Spica | +Saturn | +Zubenelgen | –Sun |
| 0 | 55 37.5 2373 | 40 57.7 2253 | 23 32.3 2305 | 19 37.2 2257 | 71 28.3 2592 |
| 3 | 57 21.7 2361 | 42 44.8 2246 | 25 18.2 2292 | 21 24.2 2249 | 69 49.2 2585 |
| 6 | 59 6.2 2350 | 44 32.1 2239 | 27 4.4 2281 | 23 11.4 2242 | 68 10.0 2578 |
| 9 | 60 51.0 2339 | 46 19.6 2232 | 28 50.8 2270 | 24 58.8 2234 | 66 30.6 2571 |
| 12 | 62 36.0 2329 | 48 7.3 2225 | 30 37.5 2260 | 26 46.4 2228 | 64 51.0 2564 |
| 15 | 64 21.3 2319 | 49 55.1 2219 | 32 24.5 2251 | 28 34.2 2221 | 63 11.3 2558 |
| 18 | 66 6.8 2311 | 51 43.1 2212 | 34 11.7 2242 | 30 22.1 2214 | 61 31.4 2552 |
| 21 | 67 52.5 2302 | 53 31.2 2206 | 35 59.1 2234 | 32 10.2 2208 | 59 51.4 2547 |

FEBRUARY 2013

| | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. |
|--------------|---------------|----------------|--------------------|-------------------|-------------------|
| 6 UT | +Spica | +Saturn | +Zubenelgen | +Antares | -Sun |
| 0 | 55 19.5 2201 | 37 46.7 2227 | 33 58.4 2203 | 11 31.1 2827 | 58 11.3 2541 |
| 3 | 57 7.9 2196 | 39 34.5 2220 | 35 46.8 2197 | 13 5.0 2671 | 56 31.0 2537 |
| 6 | 58 56.5 2191 | 41 22.4 2214 | 37 35.3 2192 | 14 42.3 2564 | 54 50.7 2533 |
| 9 | 60 45.1 2186 | 43 10.5 2208 | 39 24.0 2187 | 16 22.0 2487 | 53 10.2 2529 |
| 12 | 62 33.9 2182 | 44 58.7 2203 | 41 12.7 2183 | 18 3.6 2429 | 51 29.7 2525 |
| 15 | 64 22.9 2178 | 46 47.1 2198 | 43 1.6 2179 | 19 46.4 2386 | 49 49.0 2523 |
| 18 | 66 11.9 2175 | 48 35.6 2194 | 44 50.6 2176 | 21 30.3 2351 | 48 8.4 2520 |
| 21 | 68 0.9 2171 | 50 24.2 2190 | 46 39.7 2172 | 23 15.1 2323 | 46 27.6 2518 |
| 7 UT | +Spica | +Saturn | +Zubenelgen | +Antares | -Sun |
| 0 | 69 50.1 2169 | 52 12.9 2187 | 48 28.8 2169 | 25 0.5 2301 | 44 46.8 2518 |
| 3 | 71 39.3 2166 | 54 1.7 2183 | 50 18.0 2167 | 26 46.4 2283 | 43 6.1 2518 |
| 6 | 73 28.6 2164 | 55 50.6 2181 | 52 7.3 2165 | 28 32.8 2268 | 41 25.3 2518 |
| 9 | 75 18.0 2163 | 57 39.5 2179 | 53 56.6 2163 | 30 19.6 2256 | 39 44.5 2519 |
| 12 | 77 7.4 2162 | 59 28.5 2178 | 55 46.0 2163 | 32 6.6 2247 | 38 3.7 2522 |
| 15 | 78 56.8 2161 | 61 17.5 2177 | 57 35.4 2162 | 33 53.9 2238 | 36 23.0 2525 |
| 18 | 80 46.2 2161 | 63 6.5 2177 | 59 24.8 2162 | 35 41.4 2232 | 34 42.4 2529 |
| 21 | 82 35.6 2162 | 64 55.6 2176 | 61 14.2 2162 | 37 29.1 2227 | 33 1.8 2535 |
| 8 UT | +Spica | +Saturn | +Antares | +Sabik | -Sun |
| 0 | 84 25.0 2163 | 66 44.6 2177 | 39 16.9 2223 | 30 7.2 2224 | 31 21.4 2542 |
| 3 | 86 14.4 2164 | 68 33.6 2178 | 41 4.7 2220 | 31 55.0 2220 | 29 41.2 2550 |
| 6 | 88 3.7 2166 | 70 22.6 2180 | 42 52.7 2218 | 33 43.0 2217 | 28 1.1 2561 |
| 9 | 89 53.0 2169 | 72 11.6 2182 | 44 40.7 2218 | 35 31.0 2215 | 26 21.4 2574 |
| 12 | 91 42.3 2171 | 74 0.5 2185 | 46 28.7 2217 | 37 19.1 2214 | 24 41.9 2590 |
| 15 | 93 31.5 2175 | 75 49.3 2188 | 48 16.7 2219 | 39 7.2 2215 | 23 2.7 2609 |
| 18 | 95 20.5 2179 | 77 38.0 2192 | 50 4.7 2220 | 40 55.3 2216 | 21 24.0 2632 |
| 21 | 97 9.5 2184 | 79 26.7 2197 | 51 52.6 2223 | 42 43.3 2218 | 19 45.8 2662 |
| 11 UT | +Sun | -Hamal | -Menkar | -Jupiter | -Aldebaran |
| 0 | 10 23.0 3166 | 65 49.0 2400 | 74 32.1 2462 | 95 0.5 2350 | 98 48.6 2347 |
| 3 | 11 49.8 3061 | 64 5.4 2415 | 72 50.0 2478 | 93 15.7 2363 | 97 3.8 2361 |
| 6 | 13 18.7 2994 | 62 22.2 2430 | 71 8.3 2494 | 91 31.2 2376 | 95 19.3 2373 |
| 9 | 14 49.1 2951 | 60 39.4 2446 | 69 26.9 2510 | 89 47.1 2391 | 93 35.1 2387 |
| 12 | 16 20.3 2924 | 58 56.9 2463 | 67 46.0 2528 | 88 3.3 2404 | 91 51.2 2401 |
| 15 | 17 52.1 2907 | 57 14.8 2480 | 66 5.4 2546 | 86 19.9 2419 | 90 7.7 2416 |
| 18 | 19 24.3 2898 | 55 33.2 2498 | 64 25.2 2564 | 84 36.7 2434 | 88 24.5 2430 |
| 21 | 20 56.6 2895 | 53 51.9 2516 | 62 45.5 2584 | 82 54.0 2449 | 86 41.6 2445 |
| 12 UT | +Sun | -Hamal | -Jupiter | -Aldebaran | -Elnath |
| 0 | 22 29.0 2896 | 52 11.1 2535 | 81 11.6 2465 | 84 59.1 2460 | 96 48.4 2493 |
| 3 | 24 1.4 2899 | 50 30.7 2555 | 79 29.5 2480 | 83 17.0 2475 | 95 7.0 2508 |
| 6 | 25 33.8 2906 | 48 50.7 2575 | 77 47.8 2495 | 81 35.2 2491 | 93 26.0 2524 |
| 9 | 27 5.9 2913 | 47 11.2 2596 | 76 6.5 2511 | 79 53.8 2507 | 91 45.3 2539 |
| 12 | 28 38.0 2924 | 45 32.2 2618 | 74 25.6 2527 | 78 12.7 2523 | 90 5.1 2555 |
| 15 | 30 9.8 2934 | 43 53.7 2640 | 72 45.0 2543 | 76 32.0 2539 | 88 25.1 2571 |
| 18 | 31 41.3 2946 | 42 15.8 2664 | 71 4.8 2560 | 74 51.7 2555 | 86 45.6 2588 |
| 21 | 33 12.7 2959 | 40 38.3 2688 | 69 25.0 2576 | 73 11.8 2571 | 85 6.4 2604 |

FEBRUARY 2013

| | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. |
|--------------|--------------|-----------------|-------------------|--------------------|--------------------|
| 13 UT | +Sun | –Jupiter | –Aldebaran | –Elnath | –Betelgeuse |
| 0 | 34 43.7 2973 | 67 45.5 2592 | 71 32.2 2588 | 83 27.6 2620 | 91 3.8 2688 |
| 3 | 36 14.5 2987 | 66 6.4 2609 | 69 53.0 2604 | 81 49.1 2637 | 89 26.8 2704 |
| 6 | 37 45.0 3001 | 64 27.7 2625 | 68 14.2 2621 | 80 11.0 2654 | 87 50.3 2720 |
| 9 | 39 15.1 3017 | 62 49.4 2642 | 66 35.8 2637 | 78 33.4 2671 | 86 14.1 2737 |
| 12 | 40 45.0 3031 | 61 11.4 2658 | 64 57.7 2653 | 76 56.0 2687 | 84 38.2 2753 |
| 15 | 42 14.5 3047 | 59 33.8 2675 | 63 20.0 2670 | 75 19.1 2704 | 83 2.8 2771 |
| 18 | 43 43.8 3062 | 57 56.6 2690 | 61 42.7 2687 | 73 42.5 2721 | 81 27.7 2788 |
| 21 | 45 12.7 3078 | 56 19.7 2707 | 60 5.8 2703 | 72 6.3 2738 | 79 53.0 2805 |
| 14 UT | +Sun | –Jupiter | –Aldebaran | –Elnath | –Betelgeuse |
| 0 | 46 41.3 3094 | 54 43.2 2723 | 58 29.2 2720 | 70 30.5 2755 | 78 18.6 2822 |
| 3 | 48 9.6 3109 | 53 7.1 2739 | 56 52.9 2736 | 68 55.1 2772 | 76 44.7 2840 |
| 6 | 49 37.5 3125 | 51 31.3 2755 | 55 17.1 2752 | 67 20.0 2788 | 75 11.1 2857 |
| 9 | 51 5.2 3140 | 49 55.9 2770 | 53 41.6 2768 | 65 45.3 2805 | 73 37.8 2874 |
| 12 | 52 32.5 3156 | 48 20.8 2786 | 52 6.4 2783 | 64 11.0 2822 | 72 5.0 2891 |
| 15 | 53 59.5 3171 | 46 46.0 2801 | 50 31.6 2799 | 62 37.0 2838 | 70 32.5 2909 |
| 18 | 55 26.2 3187 | 45 11.6 2817 | 48 57.1 2815 | 61 3.4 2855 | 69 0.4 2927 |
| 21 | 56 52.7 3202 | 43 37.5 2831 | 47 23.0 2831 | 59 30.1 2872 | 67 28.6 2944 |
| 15 UT | +Sun | –Jupiter | –Aldebaran | –Elnath | –Betelgeuse |
| 0 | 58 18.8 3216 | 42 3.7 2846 | 45 49.2 2845 | 57 57.2 2888 | 65 57.3 2961 |
| 3 | 59 44.6 3231 | 40 30.2 2860 | 44 15.7 2861 | 56 24.6 2904 | 64 26.2 2979 |
| 6 | 61 10.1 3245 | 38 57.1 2874 | 42 42.6 2875 | 54 52.4 2920 | 62 55.6 2997 |
| 9 | 62 35.4 3259 | 37 24.2 2888 | 41 9.8 2890 | 53 20.5 2936 | 61 25.3 3014 |
| 12 | 64 0.3 3273 | 35 51.6 2901 | 39 37.2 2905 | 51 49.0 2952 | 59 55.4 3032 |
| 15 | 65 25.1 3287 | 34 19.4 2914 | 38 5.0 2919 | 50 17.8 2969 | 58 25.9 3049 |
| 18 | 66 49.5 3300 | 32 47.3 2927 | 36 33.1 2934 | 48 46.9 2985 | 56 56.7 3068 |
| 21 | 68 13.7 3312 | 31 15.6 2939 | 35 1.6 2948 | 47 16.4 3000 | 55 27.9 3086 |
| 16 UT | +Sun | –Jupiter | –Aldebaran | –Betelgeuse | –Procyon |
| 0 | 69 37.6 3324 | 29 44.1 2951 | 33 30.3 2962 | 53 59.4 3104 | 79 39.0 3020 |
| 3 | 71 1.3 3336 | 28 12.9 2962 | 31 59.3 2976 | 52 31.4 3122 | 78 9.2 3032 |
| 6 | 72 24.8 3348 | 26 41.9 2975 | 30 28.6 2990 | 51 3.7 3141 | 76 39.6 3044 |
| 9 | 73 48.1 3359 | 25 11.2 2985 | 28 58.2 3005 | 49 36.3 3160 | 75 10.4 3056 |
| 12 | 75 11.1 3369 | 23 40.7 2995 | 27 28.1 3019 | 48 9.4 3180 | 73 41.3 3067 |
| 15 | 76 34.0 3380 | 22 10.4 3006 | 25 58.2 3034 | 46 42.9 3200 | 72 12.5 3078 |
| 18 | 77 56.6 3389 | 20 40.3 3016 | 24 28.7 3049 | 45 16.7 3221 | 70 43.9 3089 |
| 21 | 79 19.1 3399 | 19 10.4 3026 | 22 59.6 3066 | 43 51.0 3242 | 69 15.5 3100 |
| 17 UT | +Sun | +Hamal | –Jupiter | –Pollux | –Procyon |
| 0 | 80 41.4 3407 | 14 57.5 3864 | 17 40.8 3034 | 64 24.1 3111 | 67 47.4 3110 |
| 3 | 82 3.5 3416 | 16 11.5 3731 | 16 11.3 3044 | 62 56.2 3122 | 66 19.4 3121 |
| 6 | 83 25.5 3423 | 17 27.7 3627 | 14 42.0 3053 | 61 28.5 3132 | 64 51.7 3130 |
| 9 | 84 47.3 3431 | 18 45.8 3548 | 13 12.9 3063 | 60 1.0 3143 | 63 24.1 3140 |
| 12 | 86 9.0 3437 | 20 5.3 3485 | 11 43.9 3072 | 58 33.7 3152 | 61 56.8 3149 |
| 15 | 87 30.6 3444 | 21 25.9 3435 | 10 15.2 3083 | 57 6.6 3163 | 60 29.6 3159 |
| 18 | 88 52.0 3450 | 22 47.5 3395 | 8 46.7 3096 | 55 39.7 3172 | 59 2.7 3168 |
| 21 | 90 13.3 3455 | 24 9.9 3362 | 7 18.5 3115 | 54 13.0 3182 | 57 35.9 3177 |

FEBRUARY 2013

| | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. |
|--------------|-----------------|-------------------|-----------------|-------------------|-----------------|
| 18 UT | +Sun | +Hamal | –Pollux | –Procyon | –Regulus |
| 0 | 91 34.6 3459 | 25 32.9 3334 | 52 46.5 3191 | 56 9.3 3185 | 88 57.5 3076 |
| 3 | 92 55.7 3464 | 26 56.4 3311 | 51 20.2 3201 | 54 42.8 3194 | 87 28.9 3080 |
| 6 | 94 16.8 3467 | 28 20.4 3291 | 49 54.1 3210 | 53 16.6 3203 | 86 0.3 3083 |
| 9 | 95 37.8 3470 | 29 44.8 3274 | 48 28.1 3220 | 51 50.5 3211 | 84 31.8 3086 |
| 12 | 96 58.7 3474 | 31 9.5 3260 | 47 2.4 3230 | 50 24.6 3220 | 83 3.4 3089 |
| 15 | 98 19.6 3475 | 32 34.4 3247 | 45 36.8 3241 | 48 58.8 3229 | 81 35.0 3091 |
| 18 | 99 40.5 3477 | 33 59.7 3235 | 44 11.5 3251 | 47 33.2 3238 | 80 6.6 3092 |
| 21 | 101 1.3 3478 | 35 25.1 3225 | 42 46.4 3263 | 46 7.9 3248 | 78 38.3 3094 |
| 19 UT | +Sun | +Hamal | +Jupiter | –Procyon | –Regulus |
| 0 | 102 22.1 3479 | 36 50.8 3215 | 6 4.5 3135 | 44 42.6 3257 | 77 10.0 3094 |
| 3 | 103 42.8 3478 | 38 16.6 3206 | 7 31.9 3123 | 43 17.6 3267 | 75 41.8 3094 |
| 6 | 105 3.6 3479 | 39 42.6 3198 | 8 59.6 3115 | 41 52.8 3279 | 74 13.5 3094 |
| 9 | 106 24.4 3478 | 41 8.8 3189 | 10 27.4 3110 | 40 28.2 3290 | 72 45.2 3093 |
| 12 | 107 45.2 3476 | 42 35.2 3181 | 11 55.4 3105 | 39 3.8 3303 | 71 17.0 3092 |
| 15 | 109 6.1 3474 | 44 1.7 3174 | 13 23.4 3102 | 37 39.7 3318 | 69 48.6 3091 |
| 18 | 110 26.9 3472 | 45 28.4 3166 | 14 51.5 3098 | 36 15.9 3333 | 68 20.3 3089 |
| 21 | 111 47.9 3469 | 46 55.2 3158 | 16 19.7 3093 | 34 52.3 3351 | 66 51.9 3086 |
| 20 UT | +Sun | +Hamal | +Jupiter | +Aldebaran | –Regulus |
| 0 | 113 8.8 3466 | 48 22.2 3151 | 17 48.0 3090 | 14 54.3 3193 | 65 23.5 3084 |
| 3 | 114 29.9 3462 | 49 49.3 3143 | 19 16.4 3085 | 16 20.6 3168 | 63 55.0 3080 |
| 6 | 115 51.0 3458 | 51 16.6 3136 | 20 44.8 3081 | 17 47.3 3147 | 62 26.5 3077 |
| 9 | 117 12.1 3453 | 52 44.0 3127 | 22 13.4 3075 | 19 14.5 3129 | 60 57.8 3073 |
| 12 | 118 33.4 3448 | 54 11.6 3120 | 23 42.0 3070 | 20 42.1 3114 | 59 29.1 3069 |
| 15 | 119 54.8 3443 | 55 39.4 3112 | 25 10.8 3065 | 22 10.0 3100 | 58 0.4 3065 |
| 18 | 121 16.2 3437 | 57 7.3 3103 | 26 39.6 3058 | 23 38.1 3086 | 56 31.5 3060 |
| 21 | 122 37.8 3431 | 58 35.4 3095 | 28 8.6 3052 | 25 6.5 3075 | 55 2.5 3055 |
| 21 UT | +Hamal | +Menkar | +Jupiter | +Aldebaran | –Regulus |
| 0 | 60 3.6 3086 | 52 14.3 3200 | 29 37.8 3046 | 26 35.2 3063 | 53 33.5 3049 |
| 3 | 61 32.0 3078 | 53 40.4 3186 | 31 7.0 3039 | 28 4.1 3052 | 52 4.3 3044 |
| 6 | 63 0.6 3068 | 55 6.9 3172 | 32 36.4 3031 | 29 33.2 3041 | 50 35.0 3038 |
| 9 | 64 29.4 3059 | 56 33.6 3159 | 34 6.0 3024 | 31 2.6 3031 | 49 5.5 3032 |
| 12 | 65 58.4 3050 | 58 0.5 3146 | 35 35.7 3016 | 32 32.1 3020 | 47 36.0 3025 |
| 15 | 67 27.6 3041 | 59 27.7 3133 | 37 5.5 3008 | 34 1.9 3009 | 46 6.3 3019 |
| 18 | 68 56.9 3031 | 60 55.2 3120 | 38 35.6 3000 | 35 31.9 2999 | 44 36.5 3013 |
| 21 | 70 26.5 3021 | 62 23.0 3107 | 40 5.8 2990 | 37 2.2 2988 | 43 6.6 3006 |
| 22 UT | +Jupiter | +Aldebaran | +Elnath | –Regulus | –Spica |
| 0 | 41 36.2 2981 | 38 32.6 2977 | 27 36.1 3153 | 41 36.5 3000 | 95 12.6 2954 |
| 3 | 43 6.8 2972 | 40 3.3 2966 | 29 3.2 3125 | 40 6.3 2993 | 93 41.5 2945 |
| 6 | 44 37.6 2963 | 41 34.2 2956 | 30 30.8 3100 | 38 35.9 2987 | 92 10.1 2935 |
| 9 | 46 8.6 2952 | 43 5.3 2945 | 31 59.0 3077 | 37 5.5 2981 | 90 38.5 2925 |
| 12 | 47 39.8 2943 | 44 36.7 2934 | 33 27.6 3055 | 35 34.9 2976 | 89 6.8 2915 |
| 15 | 49 11.2 2932 | 46 8.3 2922 | 34 56.7 3034 | 34 4.2 2970 | 87 34.8 2905 |
| 18 | 50 42.8 2922 | 47 40.1 2911 | 36 26.2 3015 | 32 33.3 2966 | 86 2.6 2895 |
| 21 | 52 14.6 2911 | 49 12.2 2900 | 37 56.1 2996 | 31 2.4 2961 | 84 30.2 2884 |

FEBRUARY 2013

| | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. |
|--------------|-----------------|--------------------|-----------------|--------------------|-----------------|
| 23 UT | +Jupiter | +Aldebaran | +Elnath | +Betelgeuse | –Spica |
| 0 | 53 46.7 2901 | 50 44.5 2888 | 39 26.3 2978 | 33 21.5 3246 | 82 57.5 2873 |
| 3 | 55 19.0 2890 | 52 17.0 2876 | 40 57.0 2961 | 34 46.7 3206 | 81 24.6 2862 |
| 6 | 56 51.5 2879 | 53 49.8 2865 | 42 28.0 2945 | 36 12.7 3171 | 79 51.5 2851 |
| 9 | 58 24.2 2868 | 55 22.9 2854 | 43 59.4 2928 | 37 39.4 3138 | 78 18.2 2840 |
| 12 | 59 57.2 2856 | 56 56.2 2842 | 45 31.1 2912 | 39 6.8 3107 | 76 44.6 2829 |
| 15 | 61 30.5 2845 | 58 29.7 2830 | 47 3.1 2897 | 40 34.8 3078 | 75 10.8 2818 |
| 18 | 63 3.9 2834 | 60 3.5 2818 | 48 35.5 2882 | 42 3.4 3052 | 73 36.7 2806 |
| 21 | 64 37.7 2822 | 61 37.6 2806 | 50 8.2 2867 | 43 32.6 3026 | 72 2.4 2794 |
| 24 UT | +Jupiter | +Aldebaran | +Elnath | +Betelgeuse | –Spica |
| 0 | 66 11.6 2811 | 63 11.9 2794 | 51 41.2 2852 | 45 2.2 3002 | 70 27.8 2783 |
| 3 | 67 45.9 2799 | 64 46.5 2782 | 53 14.5 2838 | 46 32.4 2979 | 68 53.0 2771 |
| 6 | 69 20.3 2788 | 66 21.4 2771 | 54 48.2 2824 | 48 3.0 2958 | 67 17.9 2760 |
| 9 | 70 55.1 2776 | 67 56.5 2758 | 56 22.1 2810 | 49 34.1 2937 | 65 42.5 2748 |
| 12 | 72 30.0 2764 | 69 31.8 2746 | 57 56.3 2796 | 51 5.6 2917 | 64 6.9 2736 |
| 15 | 74 5.3 2753 | 71 7.4 2735 | 59 30.9 2782 | 52 37.6 2898 | 62 31.1 2725 |
| 18 | 75 40.8 2741 | 72 43.3 2723 | 61 5.7 2769 | 54 9.9 2879 | 60 55.0 2713 |
| 21 | 77 16.5 2730 | 74 19.5 2711 | 62 40.9 2756 | 55 42.7 2861 | 59 18.6 2702 |
| 25 UT | +Jupiter | +Betelgeuse | +Procyon | –Spica | –Saturn |
| 0 | 78 52.5 2719 | 57 15.8 2844 | 31 42.9 3008 | 57 42.0 2690 | 75 30.7 2694 |
| 3 | 80 28.7 2707 | 58 49.3 2827 | 33 13.0 2970 | 56 5.1 2679 | 73 53.9 2683 |
| 6 | 82 5.2 2696 | 60 23.2 2811 | 34 43.8 2936 | 54 28.0 2667 | 72 16.9 2671 |
| 9 | 83 42.0 2685 | 61 57.4 2796 | 36 15.4 2905 | 52 50.6 2657 | 70 39.6 2661 |
| 12 | 85 19.0 2673 | 63 31.9 2781 | 37 47.6 2876 | 51 13.0 2645 | 69 2.1 2649 |
| 15 | 86 56.2 2663 | 65 6.8 2766 | 39 20.4 2849 | 49 35.1 2634 | 67 24.3 2639 |
| 18 | 88 33.7 2651 | 66 42.0 2752 | 40 53.8 2824 | 47 57.0 2623 | 65 46.2 2628 |
| 21 | 90 11.4 2641 | 68 17.5 2738 | 42 27.7 2802 | 46 18.6 2612 | 64 8.0 2617 |
| 26 UT | +Jupiter | +Pollux | +Procyon | –Spica | –Saturn |
| 0 | 91 49.4 2631 | 47 16.2 2755 | 44 2.1 2780 | 44 40.0 2602 | 62 29.5 2607 |
| 3 | 93 27.6 2620 | 48 51.6 2737 | 45 37.0 2760 | 43 1.1 2591 | 60 50.7 2597 |
| 6 | 95 6.1 2610 | 50 27.5 2720 | 47 12.3 2740 | 41 22.0 2581 | 59 11.7 2586 |
| 9 | 96 44.8 2600 | 52 3.7 2704 | 48 48.1 2722 | 39 42.7 2571 | 57 32.5 2577 |
| 12 | 98 23.7 2590 | 53 40.3 2688 | 50 24.3 2705 | 38 3.1 2561 | 55 53.1 2567 |
| 15 | 100 2.8 2580 | 55 17.2 2673 | 52 0.8 2689 | 36 23.3 2551 | 54 13.4 2558 |
| 18 | 101 42.2 2571 | 56 54.4 2659 | 53 37.7 2674 | 34 43.3 2542 | 52 33.5 2549 |
| 21 | 103 21.7 2561 | 58 32.0 2646 | 55 14.9 2659 | 33 3.0 2532 | 50 53.4 2539 |
| 27 UT | +Jupiter | +Procyon | –Spica | –Saturn | –Antares |
| 0 | 105 1.5 2552 | 56 52.5 2645 | 31 22.6 2523 | 49 13.1 2531 | 77 0.0 2551 |
| 3 | 106 41.5 2543 | 58 30.4 2631 | 29 41.9 2514 | 47 32.7 2522 | 75 20.0 2542 |
| 6 | 108 21.8 2534 | 60 8.6 2618 | 28 1.0 2505 | 45 52.0 2514 | 73 39.8 2534 |
| 9 | 110 2.2 2526 | 61 47.1 2607 | 26 19.9 2496 | 44 11.1 2506 | 71 59.4 2526 |
| 12 | 111 42.8 2517 | 63 25.9 2595 | 24 38.6 2488 | 42 30.0 2499 | 70 18.7 2518 |
| 15 | 113 23.6 2509 | 65 4.9 2583 | 22 57.1 2480 | 40 48.8 2492 | 68 38.0 2510 |
| 18 | 115 4.6 2502 | 66 44.2 2573 | 21 15.4 2472 | 39 7.4 2485 | 66 57.0 2504 |
| 21 | 116 45.7 2493 | 68 23.7 2563 | 19 33.6 2464 | 37 25.8 2478 | 65 15.9 2496 |

FEBRUARY 2013

| | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. | ° / P.L. |
|-------|--------------|--------------|--------------|--------------|--------------|
| 28 UT | +Procyon | +Regulus | –Spica | –Saturn | –Antares |
| 0 | 70 3.5 2553 | 36 22.7 2510 | 17 51.5 2456 | 35 44.1 2473 | 63 34.6 2490 |
| 3 | 71 43.4 2544 | 38 3.6 2498 | 16 9.3 2449 | 34 2.2 2467 | 61 53.1 2484 |
| 6 | 73 23.6 2535 | 39 44.9 2488 | 14 26.8 2442 | 32 20.3 2462 | 60 11.5 2478 |
| 9 | 75 4.0 2526 | 41 26.4 2478 | 12 44.3 2434 | 30 38.2 2458 | 58 29.8 2472 |
| 12 | 76 44.6 2518 | 43 8.1 2468 | 11 1.5 2428 | 28 56.0 2454 | 56 47.9 2467 |
| 15 | 78 25.4 2511 | 44 50.1 2460 | 9 18.6 2422 | 27 13.7 2452 | 55 5.9 2462 |
| 18 | 80 6.4 2503 | 46 32.2 2451 | 7 35.6 2415 | 25 31.3 2450 | 53 23.9 2457 |
| 21 | 81 47.5 2496 | 48 14.6 2443 | 5 52.4 2410 | 23 48.9 2449 | 51 41.6 2453 |

2012 Steven Wepster s.a.wepster@gmail.com