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	° / P.L.	° / P.L.	° / P.L.	° / P.L.	° / P.L.
1 UT	+Nunki	+Altair	+Enif	+Fomalhaut	–Venus
0	87 1.1 2090	71 3.4 2510	43 10.6 2610	40 13.8 3039	124 48.2 1998
3	88 52.3 2098	72 44.4 2508	44 49.2 2582	41 43.2 2976	122 54.6 2006
6	90 43.3 2108	74 25.4 2510	46 28.6 2559	43 13.9 2923	121 1.2 2017
9	92 34.1 2118	76 6.4 2512	48 8.4 2540	44 45.7 2877	119 8.1 2027
12	94 24.6 2128	77 47.3 2516	49 48.7 2525	46 18.5 2838	117 15.2 2038
15	96 14.9 2139	79 28.2 2522	51 29.3 2514	47 52.1 2806	115 22.7 2049
18	98 4.9 2151	81 8.9 2529	53 10.2 2505	49 26.4 2779	113 30.4 2062
21	99 54.5 2163	82 49.4 2537	54 51.3 2498	51 1.4 2756	111 38.4 2074
2 UT	+Altair	+Enif	+Fomalhaut	+Markab	–Venus
0	84 29.8 2547	56 32.5 2495	52 36.8 2737	37 6.1 2812	109 46.8 2088
3	86 9.9 2557	58 13.8 2493	54 12.6 2722	38 40.3 2771	107 55.5 2102
6	87 49.8 2570	59 55.2 2493	55 48.8 2711	40 15.4 2738	106 4.6 2115
9	89 29.4 2583	61 36.6 2496	57 25.2 2702	41 51.2 2712	104 14.0 2131
12	91 8.7 2597	63 17.9 2499	59 1.8 2695	43 27.6 2690	102 23.8 2145
15	92 47.6 2612	64 59.1 2503	60 38.6 2691	45 4.5 2672	100 34.0 2160
18	94 26.3 2629	66 40.3 2510	62 15.4 2690	46 41.7 2659	98 44.5 2176
21	96 4.5 2647	68 21.2 2517	63 52.3 2690	48 19.3 2649	96 55.5 2192
3 UT	+Enif	+Fomalhaut	+Markab	–Venus	–Sun
0	70 2.1 2525	65 29.2 2691	49 57.1 2642	95 6.8 2208	121 7.0 2542
3	71 42.7 2535	67 6.0 2695	51 35.0 2638	93 18.6 2224	119 26.7 2559
6	73 23.1 2545	68 42.8 2700	53 13.1 2635	91 30.7 2241	117 46.9 2575
9	75 3.3 2556	70 19.5 2706	54 51.2 2636	89 43.3 2258	116 7.4 2592
12	76 43.2 2568	71 56.0 2713	56 29.3 2637	87 56.3 2275	114 28.3 2609
15	78 22.8 2580	73 32.4 2721	58 7.4 2640	86 9.7 2292	112 49.6 2626
18	80 2.2 2593	75 8.5 2730	59 45.4 2644	84 23.6 2310	111 11.3 2642
21	81 41.3 2607	76 44.5 2741	61 23.3 2650	82 37.8 2327	109 33.4 2660
4 UT	+Fomalhaut	+Markab	–Pollux	–Venus	–Sun
0	78 20.3 2752	63 1.0 2657	61 6.5 2482	80 52.5 2344	107 55.8 2677
3	79 55.8 2765	64 38.7 2665	59 24.8 2502	79 7.6 2362	106 18.7 2694
6	81 31.0 2777	66 16.1 2673	57 43.7 2523	77 23.1 2379	104 41.9 2712
9	83 5.9 2790	67 53.3 2683	56 3.0 2544	75 39.1 2397	103 5.5 2729
12	84 40.6 2804	69 30.4 2693	54 22.8 2566	73 55.4 2415	101 29.5 2746
15	86 15.0 2819	71 7.2 2704	52 43.1 2589	72 12.2 2432	99 53.8 2763
18	87 49.0 2834	72 43.8 2715	51 4.0 2612	70 29.4 2450	98 18.6 2781
21	89 22.7 2850	74 20.1 2727	49 25.3 2636	68 47.0 2468	96 43.7 2798
5 UT	+Menkar	–Pollux	–Procyon	–Venus	–Sun
0	23 27.7 2827	47 47.2 2660	49 22.9 2642	67 5.1 2485	95 9.2 2815
3	25 1.6 2803	46 9.7 2686	47 45.0 2667	65 23.5 2503	93 35.1 2832
6	26 36.0 2785	44 32.7 2713	46 7.6 2691	63 42.3 2519	92 1.3 2848
9	28 10.8 2774	42 56.4 2741	44 30.7 2718	62 1.6 2537	90 27.9 2866
12	29 45.8 2766	41 20.6 2770	42 54.5 2745	60 21.2 2553	88 54.9 2882
15	31 21.0 2762	39 45.5 2801	41 18.8 2772	58 41.3 2570	87 22.2 2898
18	32 56.3 2761	38 11.1 2834	39 43.7 2802	57 1.7 2587	85 49.8 2914
21	34 31.6 2761	36 37.3 2869	38 9.3 2834	55 22.5 2604	84 17.8 2930

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6 UT	+Aldebaran	−Pollux	−Procyon	−Venus	−Sun
0	10 18.7 2618	35 4.4 2906	36 35.6 2868	53 43.7 2620	82 46.1 2946
3	11 57.2 2631	33 32.2 2947	35 2.6 2903	52 5.2 2636	81 14.8 2961
6	13 35.4 2645	32 0.9 2992	33 30.4 2942	50 27.1 2653	79 43.8 2976
9	15 13.3 2658	30 30.5 3042	31 59.0 2986	48 49.4 2668	78 13.1 2992
12	16 50.9 2671	29 1.2 3097	30 28.5 3033	47 12.1 2685	76 42.7 3007
15	18 28.2 2684	27 33.0 3159	28 58.9 3085	45 35.1 2700	75 12.6 3021
18	20 5.2 2697	26 6.0 3231	27 30.5 3145	43 58.4 2715	73 42.9 3036
21	21 41.9 2710	24 40.5 3314	26 3.3 3213	42 22.1 2731	72 13.4 3050
7 UT	+Hamal	+Menkar	+Aldebaran	−Venus	−Sun
0	57 22.4 2881	48 45.7 2814	23 18.3 2722	40 46.1 2745	70 44.2 3063
3	58 55.1 2889	50 19.9 2822	24 54.5 2735	39 10.5 2760	69 15.3 3077
6	60 27.7 2896	51 53.8 2830	26 30.4 2747	37 35.1 2775	67 46.7 3090
9	62 0.1 2904	53 27.6 2839	28 6.0 2759	36 0.1 2790	66 18.4 3103
12	63 32.3 2911	55 1.2 2848	29 41.3 2770	34 25.5 2804	64 50.3 3115
15	65 4.3 2920	56 34.7 2857	31 16.4 2782	32 51.1 2819	63 22.4 3128
18	66 36.2 2927	58 7.9 2865	32 51.3 2793	31 17.1 2833	61 54.8 3141
21	68 8.0 2935	59 40.9 2874	34 25.9 2804	29 43.3 2847	60 27.5 3152
8 UT	+Markab	+Aldebaran	+Betelgeuse	−Venus	−Sun
0	112 51.3 3096	36 0.3 2815	20 6.4 3519	28 9.9 2862	59 0.4 3164
3	114 19.6 3113	37 34.4 2825	21 26.4 3437	26 36.8 2876	57 33.6 3175
6	115 47.4 3131	39 8.3 2835	22 48.0 3372	25 3.9 2891	56 6.9 3186
9	117 15.0 3150	40 42.0 2846	24 10.8 3321	23 31.4 2906	54 40.5 3197
12	118 42.1 3168	42 15.5 2854	25 34.6 3279	21 59.3 2921	53 14.3 3207
15	120 8.9 3188	43 48.8 2864	26 59.2 3245	20 27.4 2938	51 48.3 3217
18	121 35.3 3208	45 21.8 2873	28 24.4 3218	18 55.9 2955	50 22.5 3227
21	123 1.3 3229	46 54.7 2882	29 50.2 3196	17 24.8 2974	48 56.9 3237
9 UT	+Aldebaran	+Betelgeuse	+Pollux	+Procyon	−Sun
0	48 27.4 2891	31 16.4 3178	12 30.3 6568	11 38.5 7821	47 31.5 3246
3	49 59.9 2899	32 43.0 3163	13 10.0 5757	12 8.2 6580	46 6.2 3256
6	51 32.2 2907	34 9.9 3151	13 57.8 5181	12 47.8 5749	44 41.2 3264
9	53 4.4 2915	35 37.0 3141	14 52.4 4759	13 35.7 5163	43 16.3 3273
12	54 36.4 2923	37 4.3 3133	15 52.6 4443	14 30.5 4737	41 51.6 3281
15	56 8.2 2930	38 31.8 3127	16 57.3 4202	15 31.0 4420	40 27.1 3290
18	57 39.9 2937	39 59.4 3122	18 5.6 4016	16 36.0 4179	39 2.7 3298
21	59 11.4 2944	41 27.1 3118	19 17.0 3869	17 44.8 3994	37 38.5 3305
10 UT	+Aldebaran	+Betelgeuse	+Pollux	+Procyon	−Sun
0	60 42.8 2951	42 54.9 3115	20 30.9 3753	18 56.5 3848	36 14.4 3313
3	62 14.0 2957	44 22.7 3113	21 46.7 3659	20 10.7 3733	34 50.5 3320
6	63 45.1 2964	45 50.6 3112	23 4.2 3583	21 26.9 3641	33 26.7 3327
9	65 16.1 2970	47 18.5 3111	24 23.1 3520	22 44.8 3567	32 3.0 3334
12	66 46.9 2976	48 46.5 3110	25 43.1 3469	24 3.9 3506	30 39.5 3341
15	68 17.6 2982	50 14.4 3110	27 4.1 3427	25 24.2 3456	29 16.1 3347
18	69 48.2 2987	51 42.4 3110	28 25.8 3390	26 45.4 3414	27 52.8 3353
21	71 18.7 2993	53 10.3 3111	29 48.3 3360	28 7.4 3379	26 29.7 3359

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11 UT	+Aldebaran	+Betelgeuse	+Pollux	+Venus	–Sun
0	72 49.0 2997	54 38.2 3112	31 11.3 3335	8 45.8 3235	25 6.6 3366
3	74 19.3 3003	56 6.1 3113	32 34.8 3313	10 11.2 3199	23 43.7 3371
6	75 49.4 3007	57 34.0 3114	33 58.8 3295	11 37.4 3177	22 20.9 3377
9	77 19.5 3012	59 1.9 3115	35 23.0 3279	13 4.0 3163	20 58.2 3383
12	78 49.4 3016	60 29.7 3117	36 47.6 3266	14 30.9 3155	19 35.6 3389
15	80 19.3 3021	61 57.5 3118	38 12.5 3254	15 57.9 3150	18 13.1 3394
18	81 49.1 3024	63 25.3 3120	39 37.6 3243	17 25.1 3147	16 50.7 3400
21	83 18.8 3029	64 53.1 3121	41 2.9 3235	18 52.3 3146	15 28.5 3406
14 UT	+Sun	–Saturn	–Kaus Aust.	–Nunki	–Altair
0	7 48.7 3472	61 3.6 3101	96 27.1 3251	103 53.0 3123	118 44.2 3625
3	9 9.6 3465	59 35.5 3102	95 2.0 3251	102 25.4 3123	117 26.1 3610
6	10 30.7 3461	58 7.4 3104	93 36.8 3252	100 57.7 3124	116 7.7 3598
9	11 51.8 3458	56 39.3 3104	92 11.7 3252	99 30.0 3123	114 49.1 3586
12	13 12.9 3456	55 11.3 3105	90 46.6 3253	98 2.3 3124	113 30.3 3575
15	14 34.2 3455	53 43.2 3106	89 21.5 3253	96 34.7 3124	112 11.3 3565
18	15 55.4 3453	52 15.2 3106	87 56.4 3253	95 7.0 3124	110 52.1 3555
21	17 16.7 3453	50 47.2 3107	86 31.3 3254	93 39.3 3124	109 32.7 3547
15 UT	+Sun	–Saturn	–Antares	–Peacock	–Altair
0	18 37.9 3451	49 19.1 3107	59 42.7 3156	101 26.3 4365	108 13.2 3538
3	19 59.2 3450	47 51.1 3106	58 15.6 3158	100 20.5 4352	106 53.5 3530
6	21 20.6 3448	46 23.1 3106	56 48.7 3160	99 14.4 4341	105 33.6 3522
9	22 41.9 3447	44 55.1 3106	55 21.7 3162	98 8.2 4331	104 13.6 3516
12	24 3.3 3446	43 27.1 3106	53 54.8 3165	97 1.8 4322	102 53.6 3510
15	25 24.7 3443	41 59.0 3105	52 28.0 3167	95 55.2 4313	101 33.3 3504
18	26 46.2 3441	40 31.0 3104	51 1.2 3170	94 48.6 4306	100 13.0 3498
21	28 7.6 3440	39 2.9 3103	49 34.4 3173	93 41.8 4300	98 52.6 3493
16 UT	+Sun	–Saturn	–Peacock	–Al na'ir	–Enif
0	29 29.2 3437	37 34.8 3102	92 34.9 4295	110 58.4 4187	125 30.4 3454
3	30 50.7 3434	36 6.7 3101	91 28.0 4291	109 49.8 4164	124 9.1 3439
6	32 12.4 3431	34 38.6 3099	90 21.0 4288	108 40.8 4142	122 47.6 3424
9	33 34.1 3428	33 10.4 3098	89 13.9 4286	107 31.4 4121	121 25.8 3410
12	34 55.8 3425	31 42.2 3097	88 6.9 4286	106 21.7 4102	120 3.7 3396
15	36 17.6 3420	30 14.0 3095	86 59.8 4285	105 11.7 4084	118 41.4 3383
18	37 39.5 3416	28 45.8 3094	85 52.7 4287	104 1.5 4067	117 18.8 3370
21	39 1.4 3412	27 17.5 3092	84 45.6 4289	102 50.9 4051	115 55.9 3359
17 UT	+Sun	–Saturn	–Al na'ir	–Enif	–Fomalhaut
0	40 23.5 3407	25 49.2 3091	101 40.1 4036	114 32.9 3347	118 56.0 3533
3	41 45.6 3403	24 20.8 3090	100 29.0 4022	113 9.6 3336	117 36.2 3516
6	43 7.8 3397	22 52.5 3089	99 17.7 4008	111 46.1 3324	116 16.1 3499
9	44 30.1 3391	21 24.1 3089	98 6.2 3996	110 22.4 3313	114 55.7 3482
12	45 52.5 3386	19 55.7 3090	96 54.5 3985	108 58.5 3303	113 35.0 3467
15	47 15.1 3379	18 27.4 3092	95 42.6 3974	107 34.4 3293	112 13.9 3451
18	48 37.7 3373	16 59.1 3096	94 30.5 3963	106 10.0 3282	110 52.6 3436
21	50 0.5 3367	15 30.8 3104	93 18.3 3954	104 45.5 3272	109 31.1 3422

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18 UT	+Sun	–Nunki	–Al na'ir	–Fomalhaut	–Markab
0	51 23.4 3358	56 57.6 3065	92 5.8 3945	108 9.2 3408	123 34.5 3332
3	52 46.5 3351	55 28.7 3061	90 53.3 3938	106 47.1 3395	122 11.0 3315
6	54 9.7 3343	53 59.8 3056	89 40.6 3931	105 24.7 3381	120 47.1 3297
9	55 33.0 3334	52 30.7 3052	88 27.8 3925	104 2.1 3368	119 22.8 3280
12	56 56.6 3326	51 1.6 3047	87 14.9 3919	102 39.2 3356	117 58.3 3263
15	58 20.3 3316	49 32.4 3042	86 1.9 3914	101 16.1 3343	116 33.4 3247
18	59 44.1 3307	48 3.0 3038	84 48.8 3910	99 52.8 3331	115 8.2 3231
21	61 8.2 3297	46 33.6 3034	83 35.6 3906	98 29.2 3318	113 42.6 3215
19 UT	+Sun	–Nunki	–Al na'ir	–Fomalhaut	–Markab
0	62 32.4 3287	45 4.1 3030	82 22.4 3904	97 5.4 3307	112 16.8 3200
3	63 56.9 3276	43 34.5 3025	81 9.2 3902	95 41.3 3294	110 50.6 3184
6	65 21.5 3265	42 4.8 3022	79 55.9 3902	94 17.0 3283	109 24.2 3170
9	66 46.4 3253	40 35.1 3019	78 42.6 3902	92 52.5 3271	107 57.4 3154
12	68 11.5 3241	39 5.3 3016	77 29.3 3903	91 27.8 3260	106 30.4 3139
15	69 36.8 3229	37 35.4 3015	76 16.1 3906	90 2.8 3248	105 3.0 3124
18	71 2.4 3217	36 5.5 3014	75 2.8 3909	88 37.6 3237	103 35.3 3109
21	72 28.2 3204	34 35.6 3014	73 49.7 3914	87 12.2 3226	102 7.4 3094
20 UT	+Sun	+Zubenelgen	+Saturn	–Nunki	–Markab
0	73 54.3 3190	25 39.6 2876	10 53.4 2990	33 5.7 3016	100 39.1 3079
3	75 20.6 3176	27 12.4 2859	12 23.8 2950	31 35.8 3020	99 10.5 3064
6	76 47.2 3163	28 45.6 2843	13 55.1 2917	30 6.0 3026	97 41.7 3050
9	78 14.1 3147	30 19.1 2826	15 27.0 2889	28 36.4 3036	96 12.5 3035
12	79 41.3 3132	31 53.0 2810	16 59.5 2865	27 6.9 3049	94 43.0 3020
15	81 8.8 3117	33 27.2 2794	18 32.6 2842	25 37.7 3067	93 13.2 3005
18	82 36.6 3101	35 1.8 2778	20 6.2 2821	24 8.9 3092	91 43.1 2991
21	84 4.7 3085	36 36.7 2762	21 40.2 2801	22 40.6 3125	90 12.7 2975
21 UT	+Sun	+Saturn	+Antares	–Fomalhaut	–Markab
0	85 33.2 3070	23 14.6 2782	16 29.4 3548	74 14.1 3137	88 42.0 2961
3	87 1.9 3052	24 49.4 2763	17 48.9 3400	72 46.7 3129	87 11.0 2946
6	88 31.1 3036	26 24.7 2744	19 11.2 3282	71 19.2 3121	85 39.6 2932
9	90 0.5 3018	28 0.4 2726	20 35.7 3183	69 51.5 3114	84 8.0 2917
12	91 30.4 3001	29 36.5 2707	22 2.2 3101	68 23.6 3108	82 36.1 2902
15	93 0.5 2983	31 12.9 2689	23 30.3 3031	66 55.6 3102	81 3.8 2888
18	94 31.1 2965	32 49.8 2671	24 59.9 2970	65 27.5 3098	79 31.2 2874
21	96 2.0 2946	34 27.1 2652	26 30.7 2915	63 59.3 3093	77 58.4 2859
22 UT	+Sun	+Antares	+Sabik	–Fomalhaut	–Markab
0	97 33.3 2928	28 2.7 2867	18 4.5 2621	62 31.0 3091	76 25.2 2846
3	99 5.1 2910	29 35.7 2824	19 42.9 2600	61 2.7 3090	74 51.7 2832
6	100 37.2 2891	31 9.6 2784	21 21.8 2580	59 34.3 3090	73 18.0 2819
9	102 9.7 2871	32 44.5 2746	23 1.2 2559	58 6.0 3092	71 43.9 2806
12	103 42.6 2851	34 20.1 2712	24 41.0 2539	56 37.7 3096	70 9.6 2794
15	105 15.9 2832	35 56.5 2679	26 21.3 2519	55 9.4 3101	68 35.0 2782
18	106 49.7 2813	37 33.6 2648	28 2.1 2500	53 41.3 3110	67 0.2 2771
21	108 23.9 2793	39 11.4 2618	29 43.3 2481	52 13.3 3121	65 25.1 2761

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23 UT	+Sun	+Saturn	+Antares	+Sabik	–Markab
0	109 58.5 2773	49 21.8 2484	40 49.9 2590	31 25.0 2461	63 49.8 2751
3	111 33.5 2754	51 3.4 2466	42 29.0 2564	33 7.1 2442	62 14.3 2742
6	113 9.0 2734	52 45.4 2447	44 8.8 2537	34 49.7 2423	60 38.5 2734
9	114 44.9 2714	54 27.8 2428	45 49.1 2511	36 32.7 2404	59 2.7 2727
12	116 21.2 2694	56 10.8 2410	47 30.1 2487	38 16.2 2385	57 26.6 2722
15	117 58.0 2675	57 54.1 2391	49 11.6 2463	40 0.1 2366	55 50.4 2719
18	119 35.2 2655	59 37.9 2372	50 53.6 2440	41 44.5 2347	54 14.2 2716
21	121 12.9 2635	61 22.1 2354	52 36.3 2417	43 29.3 2329	52 37.9 2716
24 UT	+Antares	+Shaula	+Kaus Aust.	+Nunki	–Markab
0	54 19.4 2395	42 36.4 2862	32 9.8 2983	22 25.5 2646	51 1.6 2718
3	56 3.1 2373	44 9.6 2810	33 40.4 2905	24 3.3 2584	49 25.4 2722
6	57 47.3 2352	45 43.8 2761	35 12.6 2835	25 42.6 2530	47 49.2 2730
9	59 32.0 2332	47 19.1 2716	36 46.3 2773	27 23.1 2483	46 13.2 2741
12	61 17.2 2312	48 55.4 2674	38 21.3 2715	29 4.7 2441	44 37.5 2755
15	63 2.9 2293	50 32.6 2635	39 57.6 2664	30 47.3 2404	43 2.0 2775
18	64 49.1 2274	52 10.8 2598	41 35.1 2616	32 30.8 2369	41 27.0 2799
21	66 35.7 2255	53 49.7 2564	43 13.6 2573	34 15.1 2338	39 52.6 2830
25 UT	+Antares	+Rasalhague	+Kaus Aust.	+Nunki	–Hamal
0	68 22.8 2237	60 7.6 3068	44 53.1 2533	36 0.1 2309	79 29.7 2288
3	70 10.3 2220	61 36.3 3022	46 33.6 2496	37 45.9 2282	77 43.4 2274
6	71 58.3 2204	63 6.1 2979	48 14.9 2462	39 32.3 2257	75 56.8 2261
9	73 46.6 2187	64 36.7 2939	49 57.0 2430	41 19.3 2234	74 9.9 2248
12	75 35.4 2172	66 8.2 2901	51 39.9 2400	43 6.9 2212	72 22.6 2236
15	77 24.5 2157	67 40.5 2867	53 23.4 2372	44 55.1 2192	70 35.1 2226
18	79 14.0 2143	69 13.5 2835	55 7.7 2347	46 43.7 2173	68 47.2 2216
21	81 3.9 2129	70 47.2 2805	56 52.5 2323	48 32.8 2155	66 59.2 2206
26 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	72 21.5 2777	58 37.9 2301	50 22.4 2138	39 33.1 3235	97 33.9 2056
3	73 56.5 2752	60 23.9 2280	52 12.4 2123	40 58.5 3137	95 41.8 2045
6	75 32.0 2730	62 10.4 2261	54 2.8 2108	42 25.9 3050	93 49.4 2034
9	77 8.0 2709	63 57.3 2244	55 53.6 2094	43 55.1 2972	91 56.7 2023
12	78 44.5 2690	65 44.6 2228	57 44.7 2082	45 25.9 2903	90 3.7 2014
15	80 21.3 2673	67 32.4 2213	59 36.2 2070	46 58.1 2840	88 10.5 2004
18	81 58.6 2658	69 20.5 2199	61 27.9 2059	48 31.7 2784	86 17.1 1996
21	83 36.2 2647	71 9.0 2187	63 19.9 2050	50 6.5 2734	84 23.4 1989
27 UT	+Rasalhague	+Kaus Aust.	+Nunki	+Altair	–Aldebaran
0	85 14.0 2636	72 57.8 2176	65 12.2 2041	51 42.4 2688	82 29.6 1982
3	86 52.1 2628	74 46.8 2167	67 4.7 2033	53 19.3 2648	80 35.5 1976
6	88 30.4 2621	76 36.1 2158	68 57.4 2027	54 57.2 2612	78 41.3 1970
9	90 8.8 2617	78 25.6 2152	70 50.2 2021	56 35.8 2580	76 47.0 1966
12	91 47.3 2614	80 15.2 2145	72 43.3 2016	58 15.1 2552	74 52.6 1962
15	93 25.9 2614	82 5.1 2141	74 36.4 2012	59 55.2 2526	72 58.0 1959
18	95 4.5 2616	83 55.0 2138	76 29.6 2009	61 35.8 2504	71 3.4 1957
21	96 43.0 2620	85 45.0 2135	78 23.0 2007	63 16.9 2485	69 8.7 1956

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28 UT	+Nunki	+Altair	+Enif	+Fomalhaut	–Aldebaran
0	80 16.3 2006	64 58.4 2468	37 20.5 2702	35 3.6 3311	67 14.0 1955
3	82 9.7 2006	66 40.4 2453	38 57.1 2643	36 27.6 3192	65 19.2 1956
6	84 3.2 2006	68 22.7 2442	40 35.0 2593	37 53.9 3090	63 24.5 1957
9	85 56.5 2008	70 5.3 2432	42 14.1 2550	39 22.2 3003	61 29.8 1959
12	87 49.9 2011	71 48.1 2425	43 54.2 2513	40 52.4 2928	59 35.2 1962
15	89 43.2 2014	73 31.1 2418	45 35.1 2481	42 24.1 2862	57 40.6 1965
18	91 36.4 2019	75 14.2 2415	47 16.7 2455	43 57.2 2807	55 46.1 1970
21	93 29.4 2024	76 57.4 2414	48 59.0 2433	45 31.5 2759	53 51.8 1975
29 UT	+Altair	+Enif	+Fomalhaut	+Markab	–Venus
0	78 40.7 2414	50 41.8 2414	47 6.9 2717	31 48.9 2925	124 28.0 2176
3	80 23.9 2416	52 25.0 2399	48 43.2 2682	33 20.6 2841	122 39.0 2184
6	82 7.1 2419	54 8.6 2387	50 20.2 2652	34 54.2 2770	120 50.1 2192
9	83 50.2 2424	55 52.5 2378	51 57.9 2627	36 29.3 2712	119 1.5 2201
12	85 33.2 2431	57 36.6 2372	53 36.2 2606	38 5.7 2664	117 13.0 2212
15	87 16.0 2439	59 20.8 2367	55 15.0 2589	39 43.2 2623	115 24.9 2222
18	88 58.7 2449	61 5.2 2365	56 54.2 2575	41 21.5 2590	113 37.0 2233
21	90 41.1 2461	62 49.6 2365	58 33.6 2565	43 0.7 2563	111 49.4 2246
30 UT	+Altair	+Enif	+Fomalhaut	+Markab	–Venus
0	92 23.2 2473	64 34.0 2367	60 13.3 2557	44 40.4 2541	110 2.1 2258
3	94 5.0 2487	66 18.3 2370	61 53.2 2552	46 20.7 2524	108 15.1 2272
6	95 46.6 2503	68 2.6 2375	63 33.2 2549	48 1.3 2510	106 28.4 2286
9	97 27.7 2519	69 46.8 2381	65 13.3 2549	49 42.3 2501	104 42.1 2300
12	99 8.5 2538	71 30.8 2389	66 53.4 2550	51 23.5 2494	102 56.1 2316
15	100 48.8 2557	73 14.6 2398	68 33.4 2553	53 4.9 2490	101 10.5 2332
18	102 28.7 2579	74 58.2 2408	70 13.4 2558	54 46.3 2488	99 25.3 2348
21	104 8.1 2601	76 41.6 2419	71 53.2 2565	56 27.8 2489	97 40.5 2365