

Fri Feb 1, 2019 UTC

UTC	−Sun		−Saturn		+Jupiter		+Venus		+Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	42°16.2'	3343	15°28.4'	3004	11°58.0'	3135	2°56.6'	3388	20°46.7'	3357
1	41°48.4'	3345	14°58.4'	3007	12°27.1'	3129	3°24.1'	3390	21°14.4'	3341
2	41°20.6'	3348	14°28.3'	3009	12°56.3'	3124	3°51.6'	3392	21°42.2'	3327
3	40°52.9'	3350	13°58.3'	3012	13°25.5'	3119	4°19.1'	3395	22°10.1'	3314
4	40°25.1'	3353	13°28.3'	3014	13°54.8'	3115	4°46.5'	3397	22°38.1'	3302
5	39°57.4'	3355	12°58.4'	3017	14°24.1'	3112	5°14.0'	3399	23°06.1'	3290
6	39°29.7'	3357	12°28.4'	3019	14°53.4'	3109	5°41.4'	3401	23°34.2'	3280
7	39°02.0'	3360	11°58.5'	3022	15°22.7'	3107	6°08.8'	3404	24°02.4'	3270
8	38°34.3'	3362	11°28.6'	3024	15°52.0'	3105	6°36.2'	3406	24°30.7'	3261
9	38°06.7'	3364	10°58.6'	3027	16°21.4'	3103	7°03.6'	3408	24°59.0'	3252
10	37°39.0'	3367	10°28.8'	3030	16°50.8'	3102	7°31.0'	3410	25°27.4'	3245
11	37°11.4'	3369	9°58.9'	3032	17°20.1'	3100	7°58.3'	3412	25°55.8'	3237
12	36°43.7'	3371	9°29.0'	3035	17°49.5'	3100	8°25.7'	3415	26°24.3'	3230
13	36°16.1'	3373	8°59.2'	3038	18°18.9'	3099	8°53.0'	3417	26°52.8'	3224
14	35°48.5'	3375	8°29.4'	3042	18°48.3'	3098	9°20.3'	3419	27°21.4'	3218
15	35°21.0'	3378	7°59.6'	3045	19°17.7'	3098	9°47.7'	3421	27°50.0'	3212
16	34°53.4'	3380	7°29.9'	3049	19°47.1'	3098	10°15.0'	3423	28°18.6'	3207
17	34°25.8'	3382	7°00.1'	3053	20°16.5'	3097	10°42.2'	3425	28°47.3'	3202
18	33°58.3'	3384	6°30.4'	3058	20°45.9'	3097	11°09.5'	3427	29°16.0'	3197
19	33°30.8'	3386	6°00.8'	3064	21°15.3'	3098	11°36.8'	3429	29°44.7'	3193
20	33°03.3'	3388	5°31.1'	3070	21°44.7'	3098	12°04.0'	3431	30°13.5'	3189
21	32°35.8'	3390	5°01.5'	3079	22°14.1'	3098	12°31.2'	3433	30°42.3'	3185
22	32°08.3'	3392	4°32.0'	3090	22°43.5'	3098	12°58.5'	3435	31°11.1'	3182
23	31°40.8'	3394	4°02.5'	3104	23°12.9'	3099	13°25.7'	3436	31°39.9'	3178

Sat Feb 2, 2019 UTC

UTC	−Saturn		+Jupiter		+Venus		+Antares		+Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	3°33.2'	3125	23°42.3'	3099	13°52.9'	3438	32°08.8'	3175	77°35.7'	3044
1	3°04.0'	3157	24°11.7'	3100	14°20.0'	3440	32°37.6'	3172	78°05.5'	3046
2	2°35.0'	3210	24°41.1'	3100	14°47.2'	3442	33°06.5'	3170	78°35.3'	3047
3	2°06.3'	3310	25°10.5'	3101	15°14.4'	3444	33°35.5'	3167	79°05.0'	3049
4	–	–	25°39.9'	3101	15°41.5'	3445	34°04.4'	3165	79°34.7'	3050
5	–	–	26°09.3'	3102	16°08.7'	3447	34°33.4'	3162	80°04.5'	3052
6	–	–	26°38.6'	3102	16°35.8'	3449	35°02.3'	3160	80°34.2'	3053
7	–	–	27°08.0'	3103	17°02.9'	3450	35°31.3'	3158	81°03.9'	3054
8	–	–	27°37.4'	3104	17°30.0'	3452	36°00.3'	3156	81°33.6'	3056
9	–	–	28°06.7'	3105	17°57.1'	3454	36°29.3'	3155	82°03.3'	3057
10	–	–	28°36.1'	3105	18°24.2'	3455	36°58.3'	3153	82°33.0'	3058
11	2°02.6'	3233	29°05.4'	3106	18°51.3'	3457	37°27.4'	3151	83°02.6'	3060
12	2°31.1'	3178	29°34.8'	3107	19°18.4'	3458	37°56.4'	3150	83°32.3'	3061
13	2°59.9'	3148	30°04.1'	3107	19°45.4'	3460	38°25.5'	3148	84°01.9'	3062
14	3°29.0'	3129	30°33.5'	3108	20°12.5'	3461	38°54.5'	3147	84°31.6'	3063
15	3°58.2'	3116	31°02.8'	3109	20°39.5'	3463	39°23.6'	3146	85°01.2'	3065
16	4°27.5'	3108	31°32.1'	3110	21°06.5'	3464	39°52.7'	3145	85°30.8'	3066
17	4°56.8'	3102	32°01.4'	3110	21°33.6'	3466	40°21.7'	3144	86°00.5'	3067
18	5°26.2'	3098	32°30.8'	3111	22°00.6'	3467	40°50.8'	3143	86°30.1'	3068
19	5°55.6'	3095	33°00.1'	3112	22°27.6'	3468	41°19.9'	3142	86°59.7'	3069
20	6°25.0'	3093	33°29.4'	3113	22°54.6'	3470	41°49.0'	3141	87°29.3'	3071
21	6°54.4'	3092	33°58.7'	3113	23°21.6'	3471	42°18.2'	3140	87°58.9'	3072
22	7°23.9'	3091	34°28.0'	3114	23°48.5'	3472	42°47.3'	3139	88°28.4'	3073
23	7°53.3'	3091	34°57.3'	3115	24°15.5'	3474	43°16.4'	3138	88°58.0'	3074

Sun Feb 3, 2019 UTC

UTC	+Saturn		+Jupiter		+Antares		+Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	8°22.8'	3090	35°26.5'	3116	43°45.5'	3138	24°42.5'	3475
1	8°52.2'	3090	35°55.8'	3116	44°14.7'	3137	25°09.4'	3476
2	9°21.7'	3090	36°25.1'	3117	44°43.8'	3136	25°36.4'	3477
3	9°51.1'	3090	36°54.4'	3118	45°12.9'	3136	26°03.3'	3479
4	10°20.6'	3091	37°23.6'	3119	45°42.1'	3135	26°30.3'	3480
5	10°50.0'	3091	37°52.9'	3119	46°11.2'	3135	26°57.2'	3481
6	11°19.5'	3091	38°22.2'	3120	46°40.4'	3134	27°24.1'	3482
7	11°48.9'	3092	38°51.4'	3121	47°09.5'	3134	27°51.0'	3483
8	12°18.4'	3092	39°20.7'	3121	47°38.7'	3133	28°17.9'	3484
9	12°47.8'	3093	39°49.9'	3122	48°07.9'	3133	28°44.8'	3485
10	13°17.2'	3094	40°19.1'	3123	48°37.0'	3133	29°11.7'	3486
11	13°46.7'	3094	40°48.4'	3123	49°06.2'	3132	29°38.6'	3487
12	14°16.1'	3095	41°17.6'	3124	49°35.4'	3132	30°05.5'	3488
13	14°45.5'	3095	41°46.8'	3125	50°04.5'	3132	30°32.4'	3489
14	15°14.9'	3096	42°16.0'	3125	50°33.7'	3131	30°59.2'	3490
15	15°44.3'	3096	42°45.3'	3126	51°02.9'	3131	31°26.1'	3491
16	16°13.8'	3097	43°14.5'	3126	51°32.1'	3131	31°52.9'	3492
17	16°43.2'	3098	43°43.7'	3127	52°01.2'	3131	32°19.8'	3493
18	17°12.6'	3098	44°12.9'	3128	52°30.4'	3130	32°46.6'	3494
19	17°42.0'	3099	44°42.1'	3128	52°59.6'	3130	33°13.5'	3495
20	18°11.4'	3099	45°11.3'	3129	53°28.8'	3130	33°40.3'	3496
21	18°40.7'	3100	45°40.5'	3129	53°58.0'	3130	34°07.1'	3497
22	19°10.1'	3101	46°09.7'	3130	54°27.1'	3130	34°33.9'	3497
23	19°39.5'	3101	46°38.9'	3130	54°56.3'	3129	35°00.8'	3498

Wed Feb 6, 2019 UTC

UTC	-Mars		-Aldebaran		-Betelgeuse		-Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	55°21.1'	3360	100°43.1'	3073	117°49.5'	3228	103°54.0'	3635
1	54°53.4'	3360	100°13.5'	3073	117°20.9'	3226	103°28.1'	3633
2	54°25.7'	3360	99°43.9'	3073	116°52.4'	3225	103°02.1'	3630
3	53°58.0'	3360	99°14.3'	3072	116°23.8'	3223	102°36.1'	3628
4	53°30.4'	3361	98°44.8'	3072	115°55.3'	3222	102°10.0'	3625
5	53°02.7'	3361	98°15.2'	3072	115°26.7'	3220	101°44.0'	3623
6	52°35.0'	3361	97°45.6'	3072	114°58.1'	3219	101°17.9'	3621
7	52°07.3'	3361	97°16.0'	3071	114°29.5'	3217	100°51.9'	3619
8	51°39.7'	3361	96°46.5'	3071	114°00.9'	3216	100°25.8'	3617
9	51°12.0'	3361	96°16.9'	3070	113°32.3'	3214	99°59.7'	3615
10	50°44.3'	3361	95°47.3'	3070	113°03.7'	3213	99°33.6'	3613
11	50°16.6'	3361	95°17.7'	3070	112°35.1'	3212	99°07.5'	3611
12	49°49.0'	3361	94°48.1'	3069	112°06.4'	3210	98°41.4'	3609
13	49°21.3'	3361	94°18.5'	3069	111°37.8'	3209	98°15.2'	3607
14	48°53.6'	3361	93°48.9'	3068	111°09.1'	3207	97°49.1'	3606
15	48°26.0'	3361	93°19.3'	3068	110°40.4'	3206	97°22.9'	3604
16	47°58.3'	3361	92°49.7'	3067	110°11.8'	3205	96°56.8'	3602
17	47°30.6'	3362	92°20.1'	3067	109°43.1'	3203	96°30.6'	3601
18	47°03.0'	3362	91°50.5'	3066	109°14.4'	3202	96°04.4'	3599
19	46°35.3'	3362	91°20.9'	3066	108°45.7'	3200	95°38.2'	3598
20	46°07.6'	3362	90°51.2'	3065	108°17.0'	3199	95°12.0'	3596
21	45°39.9'	3362	90°21.6'	3065	107°48.2'	3198	94°45.8'	3595
22	45°12.3'	3362	89°52.0'	3064	107°19.5'	3196	94°19.6'	3594
23	44°44.6'	3362	89°22.4'	3063	106°50.8'	3195	93°53.3'	3592

Thu Feb 7, 2019 UTC

UTC	–Mars		–Aldebaran		–Betelgeuse		–Rigel	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	44°16.9'	3362	88°52.7'	3063	106°22.0'	3194	93°27.1'	3591
1	43°49.3'	3362	88°23.1'	3062	105°53.2'	3192	93°00.9'	3590
2	43°21.6'	3362	87°53.4'	3061	105°24.5'	3191	92°34.6'	3589
3	42°53.9'	3362	87°23.8'	3060	104°55.7'	3190	92°08.3'	3588
4	42°26.3'	3362	86°54.1'	3060	104°26.9'	3188	91°42.1'	3587
5	41°58.6'	3362	86°24.5'	3059	103°58.1'	3187	91°15.8'	3586
6	41°30.9'	3362	85°54.8'	3058	103°29.3'	3186	90°49.5'	3585
7	41°03.3'	3362	85°25.1'	3057	103°00.5'	3184	90°23.3'	3584
8	40°35.6'	3362	84°55.5'	3056	102°31.7'	3183	89°57.0'	3583
9	40°07.9'	3362	84°25.8'	3055	102°02.9'	3182	89°30.7'	3582
10	39°40.3'	3362	83°56.1'	3055	101°34.0'	3180	89°04.4'	3582
11	39°12.6'	3362	83°26.4'	3054	101°05.2'	3179	88°38.1'	3581
12	38°44.9'	3362	82°56.7'	3053	100°36.3'	3178	88°11.8'	3580
13	38°17.3'	3362	82°27.0'	3052	100°07.4'	3176	87°45.5'	3580
14	37°49.6'	3362	81°57.3'	3051	99°38.6'	3175	87°19.1'	3579
15	37°21.9'	3363	81°27.5'	3050	99°09.7'	3173	86°52.8'	3579
16	36°54.3'	3363	80°57.8'	3049	98°40.8'	3172	86°26.5'	3578
17	36°26.6'	3363	80°28.1'	3048	98°11.9'	3171	86°00.2'	3578
18	35°59.0'	3363	79°58.3'	3046	97°43.0'	3169	85°33.9'	3577
19	35°31.3'	3363	79°28.6'	3045	97°14.0'	3168	85°07.5'	3577
20	35°03.6'	3364	78°58.8'	3044	96°45.1'	3166	84°41.2'	3577
21	34°36.0'	3364	78°29.1'	3043	96°16.2'	3165	84°14.9'	3576
22	34°08.3'	3364	77°59.3'	3042	95°47.2'	3163	83°48.5'	3576
23	33°40.7'	3365	77°29.5'	3040	95°18.3'	3162	83°22.2'	3576

Fri Feb 8, 2019 UTC

UTC	–Mars		–Aldebaran		–Betelgeuse		–Rigel		+Formalhaut	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	33°13.0'	3365	76°59.7'	3039	94°49.3'	3161	82°55.9'	3576	24°39.7'	4701
1	32°45.4'	3366	76°29.9'	3038	94°20.3'	3159	82°29.5'	3576	25°00.1'	4637
2	32°17.7'	3366	76°00.1'	3037	93°51.3'	3158	82°03.2'	3576	25°20.7'	4577
3	31°50.1'	3367	75°30.3'	3035	93°22.3'	3156	81°36.8'	3576	25°41.6'	4520
4	31°22.5'	3367	75°00.4'	3034	92°53.3'	3155	81°10.5'	3576	26°02.8'	4466
5	30°54.8'	3368	74°30.6'	3032	92°24.3'	3153	80°44.2'	3576	26°24.3'	4414
6	30°27.2'	3369	74°00.8'	3031	91°55.3'	3152	80°17.8'	3576	26°46.0'	4365
7	29°59.6'	3370	73°30.9'	3029	91°26.2'	3150	79°51.5'	3577	27°07.9'	4318
8	29°32.0'	3371	73°01.0'	3028	90°57.2'	3149	79°25.2'	3577	27°30.1'	4274
9	29°04.4'	3372	72°31.1'	3026	90°28.1'	3147	78°58.8'	3577	27°52.5'	4231
10	28°36.8'	3373	72°01.3'	3025	89°59.0'	3145	78°32.5'	3578	28°15.2'	4191
11	28°09.2'	3374	71°31.4'	3023	89°30.0'	3144	78°06.2'	3578	28°38.1'	4152
12	27°41.6'	3376	71°01.5'	3022	89°00.9'	3142	77°39.9'	3579	29°01.1'	4115
13	27°14.0'	3377	70°31.5'	3020	88°31.8'	3141	77°13.5'	3579	29°24.4'	4080
14	26°46.4'	3379	70°01.6'	3018	88°02.7'	3139	76°47.2'	3580	29°47.8'	4046
15	26°18.9'	3381	69°31.7'	3017	87°33.5'	3137	76°20.9'	3580	30°11.5'	4014
16	25°51.3'	3383	69°01.7'	3015	87°04.4'	3136	75°54.6'	3581	30°35.3'	3983
17	25°23.8'	3385	68°31.7'	3013	86°35.3'	3134	75°28.3'	3582	30°59.3'	3953
18	24°56.3'	3388	68°01.7'	3011	86°06.1'	3133	75°02.0'	3583	31°23.4'	3924
19	24°28.8'	3390	67°31.8'	3010	85°36.9'	3131	74°35.7'	3584	31°47.7'	3897
20	24°01.3'	3393	67°01.8'	3008	85°07.8'	3129	74°09.4'	3585	32°12.2'	3870
21	23°33.8'	3396	66°31.7'	3006	84°38.6'	3127	73°43.1'	3586	32°36.8'	3845
22	23°06.4'	3400	66°01.7'	3004	84°09.4'	3126	73°16.9'	3587	33°01.5'	3821
23	22°38.9'	3404	65°31.7'	3002	83°40.1'	3124	72°50.6'	3588	33°26.4'	3797

Sat Feb 9, 2019 UTC

UTC	+Sun		-Mars		-Aldebaran		+Formalhaut		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	45°00.4'	3383	22°11.5'	3408	65°01.6'	3000	33°51.5'	3774	83°10.9'	3122
1	45°28.0'	3381	21°44.2'	3412	64°31.5'	2998	34°16.6'	3753	82°41.7'	3121
2	45°55.5'	3378	21°16.8'	3417	64°01.4'	2996	34°41.9'	3731	82°12.4'	3119
3	46°23.1'	3376	20°49.5'	3423	63°31.3'	2994	35°07.3'	3711	81°43.2'	3117
4	46°50.7'	3374	20°22.2'	3428	63°01.2'	2992	35°32.8'	3691	81°13.9'	3115
5	47°18.2'	3371	19°55.0'	3435	62°31.1'	2989	35°58.5'	3672	80°44.6'	3113
6	47°45.9'	3369	19°27.8'	3442	62°01.0'	2987	36°24.3'	3654	80°15.3'	3112
7	48°13.5'	3366	19°00.6'	3450	61°30.8'	2985	36°50.1'	3636	79°46.0'	3110
8	48°41.1'	3364	18°33.5'	3458	61°00.6'	2983	37°16.1'	3619	79°16.7'	3108
9	49°08.8'	3361	18°06.4'	3467	60°30.4'	2981	37°42.2'	3602	78°47.4'	3106
10	49°36.4'	3358	17°39.4'	3478	60°00.2'	2978	38°08.3'	3586	78°18.0'	3104
11	50°04.1'	3356	17°12.5'	3489	59°30.0'	2976	38°34.6'	3570	77°48.7'	3102
12	50°31.8'	3353	16°45.6'	3501	58°59.8'	2973	39°01.0'	3555	77°19.3'	3100
13	50°59.6'	3350	16°18.8'	3515	58°29.5'	2971	39°27.5'	3540	76°49.9'	3098
14	51°27.3'	3348	15°52.1'	3530	57°59.2'	2969	39°54.0'	3526	76°20.5'	3097
15	51°55.1'	3345	15°25.5'	3547	57°28.9'	2966	40°20.7'	3512	75°51.1'	3095
16	52°22.8'	3342	14°59.0'	3566	56°58.6'	2964	40°47.4'	3498	75°21.7'	3093
17	52°50.6'	3339	14°32.6'	3587	56°28.3'	2961	41°14.2'	3485	74°52.2'	3091
18	53°18.4'	3336	14°06.3'	3610	55°58.0'	2958	41°41.1'	3472	74°22.8'	3089
19	53°46.3'	3333	13°40.2'	3636	55°27.6'	2956	42°08.1'	3459	73°53.3'	3087
20	54°14.1'	3330	13°14.2'	3665	54°57.2'	2953	42°35.1'	3447	73°23.8'	3085
21	54°42.0'	3327	12°48.4'	3697	54°26.8'	2950	43°02.3'	3434	72°54.4'	3083
22	55°09.9'	3324	12°22.8'	3734	53°56.4'	2948	43°29.5'	3423	72°24.8'	3081
23	55°37.8'	3321	11°57.4'	3776	53°26.0'	2945	43°56.8'	3411	71°55.3'	3079

Sun Feb 10, 2019 UTC

UTC	+Sun		-Aldebaran		-Mars		+Formalhaut		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	56°05.7'	3318	52°55.5'	2942	11°32.3'	3823	44°24.1'	3400	71°25.8'	3077
1	56°33.7'	3315	52°25.1'	2939	11°07.4'	3877	44°51.5'	3389	70°56.3'	3075
2	57°01.6'	3312	51°54.6'	2936	10°42.8'	3938	45°19.0'	3378	70°26.7'	3073
3	57°29.6'	3309	51°24.0'	2933	10°18.6'	4008	45°46.6'	3367	69°57.1'	3071
4	57°57.6'	3305	50°53.5'	2931	9°54.7'	4089	46°14.2'	3357	69°27.5'	3068
5	58°25.6'	3302	50°23.0'	2928	9°31.3'	4183	46°41.9'	3347	68°57.9'	3066
6	58°53.7'	3299	49°52.4'	2925	9°08.4'	4292	47°09.7'	3337	68°28.3'	3064
7	59°21.8'	3295	49°21.8'	2921	8°46.1'	4420	47°37.5'	3327	67°58.7'	3062
8	59°49.9'	3292	48°51.2'	2918	8°24.4'	4571	48°05.4'	3317	67°29.0'	3060
9	60°18.0'	3288	48°20.5'	2915	–	–	48°33.4'	3308	66°59.4'	3058
10	60°46.1'	3285	47°49.9'	2912	–	–	49°01.4'	3298	66°29.7'	3056
11	61°14.3'	3281	47°19.2'	2909	–	–	49°29.5'	3289	66°00.0'	3054
12	61°42.5'	3278	46°48.5'	2906	–	–	49°57.6'	3280	65°30.3'	3052
13	62°10.7'	3274	46°17.7'	2902	–	–	50°25.8'	3271	65°00.6'	3050
14	62°38.9'	3270	45°47.0'	2899	–	–	50°54.0'	3263	64°30.9'	3048
15	63°07.2'	3266	45°16.2'	2896	–	–	51°22.3'	3254	64°01.2'	3046
16	63°35.5'	3263	44°45.4'	2892	–	–	51°50.7'	3245	63°31.4'	3044
17	64°03.8'	3259	44°14.6'	2889	–	–	52°19.1'	3237	63°01.6'	3042
18	64°32.1'	3255	43°43.7'	2885	–	–	52°47.6'	3229	62°31.8'	3040
19	65°00.5'	3251	43°12.8'	2882	–	–	53°16.1'	3220	62°02.0'	3037
20	65°28.8'	3247	42°41.9'	2878	–	–	53°44.7'	3212	61°32.2'	3035
21	65°57.2'	3243	42°11.0'	2875	–	–	54°13.3'	3204	61°02.4'	3033
22	66°25.7'	3239	41°40.1'	2871	–	–	54°42.0'	3196	60°32.6'	3031
23	66°54.1'	3235	41°09.1'	2868	–	–	55°10.8'	3189	60°02.7'	3029

Mon Feb 11, 2019 UTC

UTC	+Sun		-Aldebaran		-Betelgeuse		+Formalhaut		-Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	67°22.6'	3231	40°38.1'	2864	59°32.8'	3027	55°39.6'	3181	84°55.3'	2892
1	67°51.1'	3227	40°07.1'	2860	59°03.0'	3025	56°08.4'	3173	84°24.5'	2888
2	68°19.7'	3223	39°36.0'	2857	58°33.1'	3023	56°37.3'	3166	83°53.6'	2884
3	68°48.2'	3219	39°04.9'	2853	58°03.1'	3022	57°06.2'	3158	83°22.8'	2880
4	69°16.8'	3214	38°33.8'	2849	57°33.2'	3020	57°35.2'	3151	82°51.8'	2877
5	69°45.5'	3210	38°02.7'	2845	57°03.3'	3018	58°04.3'	3143	82°20.9'	2873
6	70°14.1'	3206	37°31.5'	2841	56°33.3'	3016	58°33.4'	3136	81°49.9'	2869
7	70°42.8'	3201	37°00.3'	2837	56°03.4'	3014	59°02.5'	3129	81°18.9'	2865
8	71°11.5'	3197	36°29.1'	2833	55°33.4'	3012	59°31.7'	3121	80°47.9'	2861
9	71°40.2'	3192	35°57.9'	2829	55°03.4'	3011	60°01.0'	3114	80°16.9'	2857
10	72°09.0'	3188	35°26.6'	2825	54°33.4'	3009	60°30.3'	3107	79°45.8'	2853
11	72°37.8'	3183	34°55.3'	2821	54°03.4'	3007	60°59.6'	3100	79°14.7'	2849
12	73°06.6'	3179	34°23.9'	2817	53°33.4'	3006	61°29.0'	3093	78°43.6'	2845
13	73°35.5'	3174	33°52.6'	2813	53°03.4'	3004	61°58.4'	3086	78°12.4'	2841
14	74°04.4'	3169	33°21.2'	2809	52°33.3'	3003	62°27.9'	3079	77°41.2'	2836
15	74°33.3'	3165	32°49.8'	2805	52°03.3'	3001	62°57.4'	3072	77°10.0'	2832
16	75°02.3'	3160	32°18.3'	2801	51°33.2'	3000	63°27.0'	3065	76°38.7'	2828
17	75°31.2'	3155	31°46.8'	2797	51°03.1'	2998	63°56.6'	3058	76°07.4'	2824
18	76°00.3'	3150	31°15.3'	2792	50°33.1'	2997	64°26.3'	3052	75°36.1'	2819
19	76°29.3'	3145	30°43.8'	2788	50°03.0'	2996	64°56.0'	3045	75°04.8'	2815
20	76°58.4'	3141	30°12.2'	2784	49°32.9'	2995	65°25.8'	3038	74°33.4'	2811
21	77°27.5'	3136	29°40.6'	2780	49°02.8'	2994	65°55.6'	3031	74°02.0'	2806
22	77°56.6'	3131	29°09.0'	2775	48°32.6'	2993	66°25.4'	3025	73°30.5'	2802
23	78°25.8'	3126	28°37.3'	2771	48°02.5'	2992	66°55.3'	3018	72°59.1'	2798

Tue Feb 12, 2019 UTC

UTC	+Sun		-Aldebaran		+Mars		-Betelgeuse		-Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	78°55.0'	3121	28°05.6'	2766	14°33.9'	3350	47°32.4'	2991	72°27.5'	2793
1	79°24.3'	3116	27°33.9'	2762	15°01.6'	3322	47°02.3'	2991	71°56.0'	2789
2	79°53.6'	3110	27°02.1'	2758	15°29.5'	3297	46°32.1'	2990	71°24.4'	2784
3	80°22.9'	3105	26°30.3'	2753	15°57.6'	3273	46°02.0'	2990	70°52.8'	2780
4	80°52.2'	3100	25°58.5'	2749	16°25.8'	3252	45°31.8'	2990	70°21.2'	2775
5	81°21.6'	3095	25°26.6'	2744	16°54.2'	3231	45°01.7'	2989	69°49.5'	2770
6	81°51.0'	3089	24°54.7'	2740	17°22.7'	3212	44°31.6'	2989	69°17.8'	2766
7	82°20.5'	3084	24°22.8'	2735	17°51.4'	3193	44°01.4'	2990	68°46.1'	2761
8	82°50.0'	3079	23°50.8'	2731	18°20.1'	3176	43°31.3'	2990	68°14.3'	2757
9	83°19.5'	3073	23°18.8'	2727	18°49.0'	3160	43°01.1'	2990	67°42.5'	2752
10	83°49.1'	3068	22°46.8'	2722	19°18.0'	3144	42°31.0'	2991	67°10.7'	2747
11	84°18.7'	3063	22°14.7'	2718	19°47.1'	3129	42°00.9'	2992	66°38.8'	2742
12	84°48.3'	3057	21°42.6'	2713	20°16.3'	3115	41°30.7'	2993	66°06.9'	2738
13	85°18.0'	3052	21°10.5'	2709	20°45.6'	3101	41°00.6'	2994	65°35.0'	2733
14	85°47.7'	3046	20°38.4'	2704	21°14.9'	3088	40°30.5'	2996	65°03.0'	2728
15	86°17.5'	3040	20°06.2'	2700	21°44.4'	3076	40°00.4'	2998	64°31.0'	2723
16	86°47.3'	3035	19°34.0'	2696	22°14.0'	3063	39°30.3'	3000	63°58.9'	2718
17	87°17.1'	3029	19°01.7'	2691	22°43.6'	3052	39°00.2'	3002	63°26.8'	2714
18	87°47.0'	3023	18°29.4'	2687	23°13.3'	3040	38°30.2'	3005	62°54.7'	2709
19	88°16.9'	3018	17°57.1'	2683	23°43.1'	3029	38°00.1'	3008	62°22.5'	2704
20	88°46.8'	3012	17°24.8'	2679	24°13.0'	3018	37°30.1'	3011	61°50.4'	2699
21	89°16.8'	3006	16°52.4'	2675	24°42.9'	3008	37°00.1'	3015	61°18.1'	2694
22	89°46.9'	3000	16°20.0'	2671	25°12.9'	2998	36°30.2'	3019	60°45.9'	2689
23	90°16.9'	2995	15°47.5'	2667	25°43.0'	2988	36°00.2'	3023	60°13.6'	2684

Wed Feb 13, 2019 UTC

UTC	+Sun		-Aldebaran		+Mars		-Pollux		-Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	90°47.0'	2989	15°15.1'	2664	26°13.2'	2978	59°41.2'	2679	35°30.3'	3028
1	91°17.2'	2983	14°42.6'	2660	26°43.4'	2968	59°08.8'	2674	35°00.4'	3033
2	91°47.4'	2977	14°10.1'	2657	27°13.7'	2959	58°36.4'	2669	34°30.6'	3039
3	92°17.6'	2971	13°37.5'	2654	27°44.1'	2949	58°04.0'	2664	34°00.8'	3046
4	92°47.9'	2965	13°05.0'	2652	28°14.5'	2940	57°31.5'	2659	33°31.0'	3052
5	93°18.2'	2959	12°32.4'	2650	28°45.0'	2931	56°59.0'	2654	33°01.3'	3060
6	93°48.6'	2953	11°59.8'	2648	29°15.5'	2922	56°26.4'	2649	32°31.7'	3068
7	94°19.0'	2947	11°27.2'	2647	29°46.1'	2914	55°53.8'	2644	32°02.1'	3077
8	94°49.4'	2941	10°54.5'	2646	30°16.8'	2905	55°21.2'	2639	31°32.5'	3087
9	95°19.9'	2935	10°21.9'	2647	30°47.6'	2897	54°48.5'	2634	31°03.0'	3097
10	95°50.4'	2928	9°49.3'	2648	31°18.3'	2888	54°15.8'	2629	30°33.6'	3109
11	96°21.0'	2922	9°16.7'	2651	31°49.2'	2880	53°43.0'	2624	30°04.3'	3121
12	96°51.6'	2916	8°44.1'	2655	32°20.1'	2872	53°10.2'	2619	29°35.1'	3134
13	97°22.3'	2910	8°11.5'	2662	32°51.1'	2864	52°37.4'	2614	29°05.9'	3148
14	97°53.0'	2904	7°39.0'	2672	33°22.1'	2855	52°04.5'	2609	28°36.8'	3164
15	98°23.7'	2897	7°06.6'	2685	33°53.2'	2847	51°31.6'	2604	28°07.9'	3180
16	98°54.5'	2891	6°34.3'	2704	34°24.4'	2839	50°58.7'	2599	27°39.0'	3198
17	99°25.3'	2885	6°02.1'	2730	34°55.6'	2832	50°25.7'	2594	27°10.3'	3218
18	99°56.2'	2879	5°30.1'	2767	35°26.8'	2824	49°52.7'	2589	26°41.7'	3239
19	100°27.1'	2872	4°58.4'	2820	35°58.1'	2816	49°19.6'	2584	26°13.2'	3261
20	100°58.1'	2866	4°27.0'	2897	36°29.5'	2808	48°46.6'	2579	25°44.9'	3286
21	101°29.1'	2860	-	-	37°00.9'	2801	48°13.4'	2575	25°16.8'	3313
22	102°00.2'	2853	-	-	37°32.4'	2793	47°40.3'	2570	24°48.8'	3341
23	102°31.3'	2847	-	-	38°04.0'	2785	47°07.1'	2565	24°21.0'	3372

Thu Feb 14, 2019 UTC

UTC	+Sun		-Pollux		+Mars		-Procyon		-Regulus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	103°02.4'	2841	46°33.8'	2560	38°35.6'	2778	48°39.0'	2813	82°05.1'	2503
1	103°33.6'	2834	46°00.5'	2555	39°07.2'	2770	48°07.6'	2812	81°31.4'	2497
2	104°04.9'	2828	45°27.2'	2550	39°38.9'	2763	47°36.2'	2812	80°57.6'	2491
3	104°36.1'	2821	44°53.9'	2546	40°10.7'	2755	47°04.8'	2812	80°23.8'	2485
4	105°07.5'	2815	44°20.5'	2541	40°42.5'	2748	46°33.4'	2812	79°50.0'	2479
5	105°38.9'	2808	43°47.1'	2536	41°14.4'	2741	46°02.0'	2813	79°16.1'	2473
6	106°10.3'	2802	43°13.6'	2532	41°46.3'	2733	45°30.6'	2814	78°42.1'	2467
7	106°41.8'	2795	42°40.1'	2527	42°18.3'	2726	44°59.3'	2815	78°08.1'	2461
8	107°13.3'	2789	42°06.6'	2523	42°50.3'	2719	44°27.9'	2816	77°34.1'	2455
9	107°44.9'	2783	41°33.0'	2519	43°22.4'	2711	43°56.5'	2817	76°60.0'	2449
10	108°16.5'	2776	40°59.4'	2514	43°54.5'	2704	43°25.1'	2819	76°25.8'	2443
11	108°48.1'	2770	40°25.8'	2510	44°26.7'	2697	42°53.8'	2821	75°51.6'	2437
12	109°19.8'	2763	39°52.1'	2506	44°58.9'	2690	42°22.4'	2824	75°17.4'	2431
13	109°51.6'	2757	39°18.4'	2502	45°31.2'	2683	41°51.1'	2827	74°43.1'	2425
14	110°23.4'	2750	38°44.7'	2498	46°03.6'	2675	41°19.8'	2830	74°08.8'	2419
15	110°55.3'	2744	38°10.9'	2494	46°36.0'	2668	40°48.6'	2834	73°34.4'	2413
16	111°27.2'	2737	37°37.2'	2490	47°08.5'	2661	40°17.3'	2838	72°60.0'	2407
17	111°59.1'	2731	37°03.3'	2486	47°41.0'	2654	39°46.1'	2843	72°25.5'	2401
18	112°31.1'	2724	36°29.5'	2483	48°13.5'	2647	39°14.9'	2848	71°51.0'	2395
19	113°03.1'	2718	35°55.6'	2479	48°46.1'	2640	38°43.8'	2853	71°16.4'	2388
20	113°35.2'	2711	35°21.7'	2476	49°18.8'	2633	38°12.7'	2859	70°41.8'	2382
21	114°07.4'	2705	34°47.8'	2473	49°51.5'	2626	37°41.6'	2866	70°07.1'	2376
22	114°39.6'	2698	34°13.8'	2470	50°24.3'	2619	37°10.6'	2874	69°32.4'	2370
23	115°11.8'	2692	33°39.8'	2467	50°57.1'	2612	36°39.7'	2881	68°57.7'	2364

Fri Feb 15, 2019 UTC

UTC	+Sun		+Aldebaran		-Pollux		-Regulus		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	115°44.1'	2685	11°56.9'	2395	33°05.9'	2464	68°22.9'	2358	51°30.0'	2605
1	116°16.4'	2679	12°31.4'	2385	32°31.8'	2462	67°48.0'	2352	52°02.9'	2599
2	116°48.8'	2673	13°06.1'	2376	31°57.8'	2459	67°13.1'	2346	52°35.9'	2592
3	117°21.2'	2666	13°40.8'	2367	31°23.7'	2457	66°38.1'	2340	53°09.0'	2585
4	117°53.7'	2660	14°15.6'	2359	30°49.7'	2456	66°03.1'	2334	53°42.1'	2578
5	118°26.2'	2653	14°50.4'	2351	30°15.6'	2454	65°28.1'	2328	54°15.2'	2571
6	118°58.8'	2647	15°25.4'	2343	29°41.5'	2453	64°53.0'	2323	54°48.4'	2565
7	119°31.4'	2641	16°00.3'	2335	29°07.4'	2452	64°17.8'	2317	55°21.6'	2558
8	120°04.1'	2634	16°35.4'	2328	28°33.3'	2451	63°42.6'	2311	55°54.9'	2551
9	120°36.8'	2628	17°10.5'	2320	27°59.1'	2451	63°07.4'	2305	56°28.3'	2545
10	121°09.5'	2622	17°45.7'	2313	27°25.0'	2452	62°32.1'	2299	57°01.7'	2538
11	121°42.3'	2615	18°20.9'	2306	26°50.9'	2452	61°56.8'	2293	57°35.1'	2531
12	122°15.2'	2609	18°56.2'	2299	26°16.8'	2453	61°21.4'	2287	58°08.6'	2525
13	122°48.1'	2603	19°31.5'	2292	25°42.7'	2455	60°45.9'	2281	58°42.2'	2518
14	123°21.0'	2597	20°06.9'	2286	25°08.6'	2457	60°10.5'	2276	59°15.8'	2512
15	123°54.0'	2591	20°42.3'	2279	24°34.5'	2460	59°34.9'	2270	59°49.4'	2505
16	124°27.1'	2585	21°17.8'	2272	24°00.5'	2463	58°59.3'	2264	60°23.1'	2499
17	125°00.2'	2578	21°53.4'	2266	23°26.4'	2468	58°23.7'	2258	60°56.9'	2493
18	125°33.3'	2572	22°29.0'	2259	22°52.4'	2473	57°48.1'	2253	61°30.6'	2486
19	126°06.5'	2566	23°04.7'	2253	22°18.5'	2479	57°12.3'	2247	62°04.5'	2480
20	126°39.7'	2560	23°40.4'	2247	21°44.6'	2486	56°36.6'	2241	62°38.4'	2474
21	127°13.0'	2554	24°16.2'	2241	21°10.7'	2494	56°00.8'	2236	63°12.3'	2467
22	127°46.3'	2548	24°52.0'	2235	20°36.9'	2503	55°24.9'	2230	63°46.3'	2461
23	128°19.7'	2542	25°27.8'	2228	20°03.2'	2514	54°49.0'	2225	64°20.4'	2455

Sat Feb 16, 2019 UTC

UTC	+Aldebaran		-Pollux		-Regulus		+Mars		-Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	26°03.8'	2222	19°29.6'	2527	54°13.1'	2219	64°54.5'	2449	108°05.7'	2252
1	26°39.7'	2217	18°56.1'	2541	53°37.1'	2214	65°28.6'	2443	107°30.0'	2246
2	27°15.7'	2211	18°22.6'	2557	53°01.0'	2208	66°02.8'	2437	106°54.2'	2240
3	27°51.8'	2205	17°49.3'	2576	52°24.9'	2203	66°37.0'	2431	106°18.4'	2235
4	28°27.9'	2199	17°16.2'	2597	51°48.8'	2197	67°11.3'	2425	105°42.5'	2229
5	29°04.1'	2193	16°43.2'	2621	51°12.6'	2192	67°45.6'	2419	105°06.6'	2223
6	29°40.3'	2188	16°10.4'	2649	50°36.4'	2187	68°20.0'	2413	104°30.6'	2218
7	30°16.5'	2182	15°37.8'	2680	50°00.1'	2182	68°54.4'	2407	103°54.6'	2212
8	30°52.8'	2176	15°05.4'	2716	49°23.8'	2176	69°28.9'	2401	103°18.6'	2207
9	31°29.2'	2171	14°33.3'	2758	48°47.5'	2171	70°03.4'	2396	102°42.5'	2201
10	32°05.6'	2165	14°01.5'	2805	48°11.1'	2166	70°38.0'	2390	102°06.3'	2196
11	32°42.0'	2160	13°30.1'	2860	47°34.7'	2161	71°12.6'	2384	101°30.2'	2190
12	33°18.5'	2155	12°59.0'	2924	46°58.2'	2156	71°47.2'	2379	100°53.9'	2185
13	33°55.1'	2149	12°28.4'	2998	46°21.7'	2151	72°21.9'	2373	100°17.6'	2180
14	34°31.6'	2144	11°58.3'	3084	45°45.1'	2146	72°56.7'	2368	99°41.3'	2175
15	35°08.3'	2139	11°28.8'	3184	45°08.5'	2141	73°31.5'	2363	99°05.0'	2170
16	35°44.9'	2134	11°00.0'	3303	44°31.9'	2137	74°06.3'	2357	98°28.6'	2165
17	36°21.6'	2129	–	–	43°55.2'	2132	74°41.2'	2352	97°52.1'	2159
18	36°58.4'	2124	–	–	43°18.4'	2127	75°16.1'	2347	97°15.6'	2155
19	37°35.2'	2119	–	–	42°41.7'	2123	75°51.0'	2342	96°39.1'	2150
20	38°12.0'	2114	–	–	42°04.9'	2118	76°26.0'	2336	96°02.5'	2145
21	38°48.9'	2109	–	–	41°28.0'	2114	77°01.0'	2331	95°25.9'	2140
22	39°25.8'	2104	–	–	40°51.1'	2109	77°36.1'	2326	94°49.2'	2135
23	40°02.8'	2100	–	–	40°14.2'	2105	78°11.2'	2322	94°12.5'	2131

Sun Feb 17, 2019 UTC

UTC	−Regulus		+Aldebaran		+Betelgeuse		−Spica		+Mars	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	39°37.3'	2100	40°39.8'	2095	26°13.6'	2794	93°35.8'	2126	78°46.4'	2317
1	39°00.3'	2096	41°16.8'	2090	26°45.1'	2760	92°59.0'	2121	79°21.6'	2312
2	38°23.3'	2092	41°53.9'	2086	27°16.9'	2728	92°22.2'	2117	79°56.8'	2307
3	37°46.2'	2088	42°31.0'	2081	27°48.9'	2697	91°45.4'	2113	80°32.1'	2302
4	37°09.1'	2084	43°08.1'	2077	28°21.1'	2668	91°08.5'	2108	81°07.4'	2298
5	36°32.0'	2080	43°45.3'	2073	28°53.6'	2641	90°31.5'	2104	81°42.8'	2293
6	35°54.8'	2076	44°22.6'	2068	29°26.3'	2615	89°54.6'	2100	82°18.1'	2289
7	35°17.6'	2072	44°59.8'	2064	29°59.1'	2591	89°17.6'	2096	82°53.6'	2285
8	34°40.4'	2069	45°37.1'	2060	30°32.2'	2568	88°40.6'	2092	83°29.0'	2280
9	34°03.1'	2065	46°14.5'	2056	31°05.4'	2545	88°03.5'	2088	84°04.5'	2276
10	33°25.8'	2062	46°51.8'	2052	31°38.8'	2524	87°26.4'	2084	84°40.0'	2272
11	32°48.5'	2058	47°29.2'	2048	32°12.3'	2504	86°49.3'	2080	85°15.6'	2268
12	32°11.1'	2055	48°06.7'	2044	32°46.0'	2485	86°12.1'	2076	85°51.2'	2264
13	31°33.8'	2052	48°44.2'	2040	33°19.9'	2467	85°34.9'	2073	86°26.8'	2260
14	30°56.3'	2049	49°21.7'	2037	33°53.9'	2450	84°57.7'	2069	87°02.5'	2256
15	30°18.9'	2046	49°59.2'	2033	34°28.0'	2433	84°20.4'	2065	87°38.2'	2252
16	29°41.4'	2043	50°36.8'	2030	35°02.3'	2417	83°43.1'	2062	88°13.9'	2249
17	29°04.0'	2040	51°14.4'	2026	35°36.7'	2402	83°05.8'	2059	88°49.6'	2245
18	28°26.4'	2037	51°52.0'	2023	36°11.2'	2387	82°28.4'	2055	89°25.4'	2241
19	27°48.9'	2035	52°29.7'	2019	36°45.8'	2373	81°51.1'	2052	90°01.2'	2238
20	27°11.4'	2032	53°07.4'	2016	37°20.6'	2360	81°13.7'	2049	90°37.1'	2235
21	26°33.8'	2030	53°45.1'	2013	37°55.4'	2347	80°36.2'	2046	91°12.9'	2231
22	25°56.2'	2028	54°22.8'	2010	38°30.3'	2335	79°58.8'	2043	91°48.8'	2228
23	25°18.6'	2026	55°00.6'	2007	39°05.4'	2323	79°21.3'	2040	92°24.8'	2225

Mon Feb 18, 2019 UTC

UTC	−Regulus		+Aldebaran		+Betelgeuse		+Pollux		−Spica	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	24°40.9'	2024	55°38.4'	2004	39°40.5'	2312	13°16.4'	2672	78°43.8'	2038
1	24°03.3'	2022	56°16.2'	2001	40°15.8'	2301	13°48.9'	2611	78°06.2'	2035
2	23°25.6'	2021	56°54.1'	1998	40°51.1'	2291	14°21.7'	2558	77°28.7'	2032
3	22°47.9'	2019	57°31.9'	1995	41°26.5'	2281	14°55.0'	2510	76°51.1'	2030
4	22°10.3'	2018	58°09.8'	1993	42°02.0'	2271	15°28.7'	2468	76°13.5'	2027
5	21°32.6'	2017	58°47.8'	1990	42°37.6'	2262	16°02.7'	2430	75°35.9'	2025
6	20°54.9'	2017	59°25.7'	1988	43°13.2'	2253	16°37.0'	2396	74°58.3'	2023
7	20°17.1'	2016	60°03.7'	1985	43°48.9'	2245	17°11.5'	2365	74°20.6'	2021
8	19°39.4'	2016	60°41.7'	1983	44°24.7'	2237	17°46.3'	2337	73°42.9'	2019
9	19°01.7'	2016	61°19.7'	1981	45°00.5'	2229	18°21.4'	2312	73°05.2'	2017
10	18°24.0'	2017	61°57.7'	1979	45°36.4'	2221	18°56.6'	2289	72°27.5'	2015
11	17°46.3'	2018	62°35.7'	1977	46°12.4'	2214	19°32.0'	2268	71°49.8'	2013
12	17°08.6'	2019	63°13.8'	1975	46°48.5'	2207	20°07.6'	2249	71°12.1'	2012
13	16°30.9'	2021	63°51.9'	1973	47°24.6'	2201	20°43.4'	2231	70°34.3'	2010
14	15°53.2'	2023	64°30.0'	1971	48°00.7'	2195	21°19.3'	2215	69°56.5'	2009
15	15°15.6'	2026	65°08.1'	1969	48°36.9'	2189	21°55.3'	2200	69°18.7'	2007
16	14°37.9'	2030	65°46.2'	1968	49°13.1'	2183	22°31.4'	2187	68°41.0'	2006
17	14°00.3'	2034	66°24.3'	1966	49°49.4'	2177	23°07.7'	2174	68°03.1'	2005
18	13°22.8'	2040	67°02.5'	1965	50°25.8'	2172	23°44.1'	2162	67°25.3'	2004
19	12°45.3'	2046	67°40.6'	1964	51°02.2'	2167	24°20.5'	2151	66°47.5'	2003
20	12°07.8'	2054	68°18.8'	1962	51°38.6'	2162	24°57.1'	2141	66°09.7'	2002
21	11°30.4'	2064	68°57.0'	1961	52°15.1'	2158	25°33.8'	2132	65°31.8'	2002
22	10°53.1'	2076	69°35.2'	1960	52°51.6'	2153	26°10.5'	2123	64°54.0'	2001
23	10°15.9'	2090	70°13.4'	1959	53°28.1'	2149	26°47.3'	2115	64°16.2'	2000

Tue Feb 19, 2019 UTC

UTC	−Regulus		+Pollux		−Spica		+Betelgeuse		+Aldebaran	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	9°38.8′	2108	27°24.1′	2107	63°38.3′	2000	54°04.7′	2145	70°51.6′	1958
1	9°01.9′	2130	28°01.1′	2100	63°00.4′	2000	54°41.3′	2141	71°29.9′	1957
2	8°25.2′	2158	28°38.1′	2094	62°22.6′	2000	55°18.0′	2138	72°08.1′	1957
3	7°48.7′	2194	29°15.1′	2088	61°44.7′	2000	55°54.6′	2135	72°46.3′	1956
4	7°12.5′	2239	29°52.2′	2082	61°06.9′	2000	56°31.3′	2131	73°24.6′	1956
5	6°36.6′	2300	30°29.4′	2077	60°29.0′	2000	57°08.1′	2128	74°02.8′	1955
6	6°01.3′	2381	31°06.6′	2072	59°51.1′	2000	57°44.8′	2126	74°41.1′	1955
7	—	—	31°43.8′	2068	59°13.3′	2000	58°21.6′	2123	75°19.3′	1955
8	—	—	32°21.1′	2064	58°35.4′	2001	58°58.4′	2121	75°57.6′	1954
9	—	—	32°58.4′	2060	57°57.6′	2002	59°35.2′	2119	76°35.8′	1954
10	—	—	33°35.7′	2056	57°19.7′	2002	60°12.1′	2116	77°14.1′	1954
11	—	—	34°13.1′	2053	56°41.9′	2003	60°48.9′	2115	77°52.3′	1955
12	—	—	34°50.5′	2050	56°04.1′	2004	61°25.8′	2113	78°30.6′	1955
13	—	—	35°27.9′	2048	55°26.2′	2005	62°02.7′	2111	79°08.9′	1955
14	—	—	36°05.3′	2045	54°48.4′	2006	62°39.6′	2110	79°47.1′	1955
15	—	—	36°42.8′	2043	54°10.6′	2008	63°16.5′	2109	80°25.4′	1956
16	—	—	37°20.3′	2041	53°32.8′	2009	63°53.4′	2108	81°03.6′	1957
17	—	—	37°57.8′	2039	52°55.1′	2011	64°30.3′	2107	81°41.8′	1957
18	—	—	38°35.3′	2038	52°17.3′	2013	65°07.3′	2106	82°20.1′	1958
19	—	—	39°12.8′	2036	51°39.6′	2015	65°44.2′	2105	82°58.3′	1959
20	—	—	39°50.4′	2035	51°01.8′	2017	66°21.2′	2105	83°36.5′	1960
21	—	—	40°27.9′	2034	50°24.1′	2019	66°58.1′	2105	84°14.7′	1961
22	—	—	41°05.5′	2034	49°46.4′	2021	67°35.1′	2104	84°52.9′	1962
23	5°50.6′	2330	41°43.1′	2033	49°08.7′	2023	68°12.0′	2104	85°31.1′	1963

Wed Feb 20, 2019 UTC

UTC	+Regulus		+Pollux		−Spica		+Procyon		+Betelgeuse	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	6°25.7′	2265	42°20.6′	2033	48°31.1′	2026	43°51.2′	2329	68°49.0′	2104
1	7°01.3′	2217	42°58.2′	2032	47°53.5′	2029	44°26.3′	2322	69°25.9′	2105
2	7°37.4′	2179	43°35.8′	2032	47°15.8′	2031	45°01.5′	2316	70°02.9′	2105
3	8°13.7′	2151	44°13.4′	2032	46°38.3′	2034	45°36.7′	2310	70°39.9′	2106
4	8°50.3′	2128	44°50.9′	2033	46°00.7′	2038	46°11.9′	2304	71°16.8′	2106
5	9°27.0′	2110	45°28.5′	2033	45°23.2′	2041	46°47.2′	2299	71°53.7′	2107
6	10°03.9′	2095	46°06.1′	2033	44°45.7′	2044	47°22.6′	2294	72°30.7′	2108
7	10°41.0′	2084	46°43.6′	2034	44°08.2′	2048	47°57.9′	2290	73°07.6′	2109
8	11°18.1′	2074	47°21.2′	2035	43°30.8′	2052	48°33.3′	2286	73°44.5′	2110
9	11°55.3′	2067	47°58.8′	2036	42°53.3′	2056	49°08.8′	2282	74°21.4′	2111
10	12°32.6′	2061	48°36.3′	2037	42°16.0′	2060	49°44.3′	2279	74°58.3′	2113
11	13°09.9′	2056	49°13.8′	2038	41°38.6′	2064	50°19.8′	2276	75°35.2′	2114
12	13°47.3′	2052	49°51.4′	2040	41°01.3′	2068	50°55.3′	2273	76°12.1′	2116
13	14°24.7′	2049	50°28.9′	2041	40°24.1′	2073	51°30.9′	2270	76°49.0′	2118
14	15°02.1′	2047	51°06.4′	2043	39°46.8′	2078	52°06.4′	2268	77°25.8′	2120
15	15°39.6′	2045	51°43.9′	2044	39°09.6′	2083	52°42.0′	2266	78°02.6′	2122
16	16°17.1′	2044	52°21.3′	2046	38°32.5′	2088	53°17.6′	2264	78°39.4′	2124
17	16°54.5′	2043	52°58.8′	2048	37°55.4′	2094	53°53.3′	2263	79°16.2′	2126
18	17°32.0′	2043	53°36.2′	2050	37°18.4′	2099	54°28.9′	2262	79°53.0′	2129
19	18°09.5′	2043	54°13.7′	2053	36°41.4′	2105	55°04.5′	2261	80°29.7′	2131
20	18°47.0′	2044	54°51.1′	2055	36°04.4′	2111	55°40.2′	2260	81°06.5′	2134
21	19°24.5′	2045	55°28.4′	2057	35°27.5′	2118	56°15.8′	2259	81°43.2′	2137
22	20°01.9′	2046	56°05.8′	2060	34°50.7′	2124	56°51.5′	2259	82°19.9′	2139
23	20°39.4′	2048	56°43.1′	2062	34°13.9′	2131	57°27.2′	2259	82°56.5′	2142

Thu Feb 21, 2019 UTC

UTC	+Regulus		-Spica		+Pollux		+Procyon		-Antares	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	21°16.8'	2049	33°37.1'	2138	57°20.5'	2065	58°02.8'	2259	79°22.4'	2068
1	21°54.3'	2051	33°00.5'	2146	57°57.8'	2068	58°38.5'	2259	78°45.1'	2072
2	22°31.7'	2053	32°23.8'	2153	58°35.0'	2071	59°14.2'	2260	78°07.9'	2076
3	23°09.1'	2056	31°47.3'	2162	59°12.3'	2074	59°49.8'	2260	77°30.7'	2079
4	23°46.4'	2058	31°10.8'	2170	59°49.5'	2077	60°25.5'	2261	76°53.5'	2083
5	24°23.8'	2061	30°34.4'	2179	60°26.7'	2080	61°01.1'	2262	76°16.4'	2087
6	25°01.1'	2064	29°58.1'	2188	61°03.9'	2083	61°36.8'	2263	75°39.3'	2091
7	25°38.4'	2066	29°21.8'	2198	61°41.0'	2087	62°12.4'	2265	75°02.2'	2095
8	26°15.7'	2070	28°45.7'	2208	62°18.1'	2090	62°48.0'	2266	74°25.2'	2100
9	26°53.0'	2073	28°09.6'	2218	62°55.2'	2094	63°23.6'	2268	73°48.2'	2104
10	27°30.2'	2076	27°33.6'	2229	63°32.2'	2098	63°59.2'	2270	73°11.2'	2108
11	28°07.4'	2080	26°57.7'	2241	64°09.2'	2101	64°34.8'	2272	72°34.3'	2113
12	28°44.6'	2083	26°21.9'	2253	64°46.2'	2105	65°10.4'	2274	71°57.4'	2118
13	29°21.7'	2087	25°46.1'	2266	65°23.2'	2109	65°45.9'	2276	71°20.6'	2122
14	29°58.8'	2091	25°10.5'	2280	66°00.1'	2113	66°21.4'	2279	70°43.7'	2127
15	30°35.9'	2094	24°35.0'	2294	66°37.0'	2117	66°56.9'	2281	70°07.0'	2132
16	31°12.9'	2098	23°59.7'	2309	67°13.8'	2121	67°32.4'	2284	69°30.3'	2137
17	31°50.0'	2102	23°24.4'	2325	67°50.6'	2125	68°07.9'	2287	68°53.6'	2142
18	32°26.9'	2107	22°49.3'	2342	68°27.4'	2130	68°43.3'	2290	68°16.9'	2147
19	33°03.9'	2111	22°14.3'	2360	69°04.2'	2134	69°18.7'	2293	67°40.3'	2152
20	33°40.8'	2115	21°39.4'	2380	69°40.9'	2139	69°54.1'	2296	67°03.8'	2157
21	34°17.6'	2120	21°04.7'	2400	70°17.5'	2143	70°29.5'	2299	66°27.3'	2162
22	34°54.5'	2124	20°30.2'	2422	70°54.2'	2148	71°04.8'	2303	65°50.8'	2168
23	35°31.3'	2129	19°55.9'	2446	71°30.8'	2152	71°40.1'	2306	65°14.4'	2173

Fri Feb 22, 2019 UTC

UTC	+Regulus		-Spica		-Antares		+Pollux		-Jupiter	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	36°08.0'	2133	19°21.7'	2472	64°38.0'	2179	72°07.3'	2157	74°59.4'	2165
1	36°44.7'	2138	18°47.7'	2500	64°01.7'	2184	72°43.8'	2162	74°22.9'	2170
2	37°21.4'	2143	18°14.0'	2530	63°25.4'	2190	73°20.3'	2167	73°46.5'	2175
3	37°58.0'	2148	17°40.5'	2562	62°49.1'	2196	73°56.7'	2172	73°10.2'	2181
4	38°34.6'	2152	17°07.2'	2598	62°12.9'	2202	74°33.1'	2176	72°33.9'	2186
5	39°11.2'	2157	16°34.2'	2637	61°36.8'	2207	75°09.5'	2181	71°57.6'	2191
6	39°47.7'	2162	16°01.6'	2680	61°00.7'	2213	75°45.8'	2187	71°21.4'	2196
7	40°24.2'	2168	15°29.2'	2728	60°24.7'	2219	76°22.1'	2192	70°45.2'	2202
8	41°00.6'	2173	14°57.2'	2780	59°48.7'	2226	76°58.3'	2197	70°09.0'	2207
9	41°37.0'	2178	14°25.5'	2839	59°12.7'	2232	77°34.5'	2202	69°32.9'	2213
10	42°13.3'	2183	13°54.3'	2904	58°36.8'	2238	78°10.6'	2207	68°56.9'	2218
11	42°49.6'	2188	13°23.6'	2978	58°01.0'	2244	78°46.7'	2213	68°20.9'	2224
12	43°25.9'	2194	12°53.4'	3061	57°25.2'	2251	79°22.7'	2218	67°44.9'	2229
13	44°02.1'	2199	12°23.7'	3155	56°49.5'	2257	79°58.7'	2224	67°09.0'	2235
14	44°38.2'	2205	11°54.7'	3263	56°13.8'	2264	80°34.7'	2229	66°33.2'	2241
15	45°14.3'	2210	11°26.4'	3387	55°38.2'	2270	81°10.6'	2235	65°57.3'	2246
16	45°50.4'	2216	-	-	55°02.6'	2277	81°46.5'	2240	65°21.6'	2252
17	46°26.4'	2221	-	-	54°27.1'	2284	82°22.3'	2246	64°45.8'	2258
18	47°02.4'	2227	-	-	53°51.6'	2291	82°58.1'	2252	64°10.2'	2264
19	47°38.3'	2233	-	-	53°16.2'	2298	83°33.8'	2257	63°34.5'	2270
20	48°14.2'	2238	-	-	52°40.9'	2305	84°09.5'	2263	62°59.0'	2276
21	48°50.0'	2244	-	-	52°05.6'	2312	84°45.1'	2269	62°23.4'	2282
22	49°25.8'	2250	-	-	51°30.4'	2319	85°20.7'	2275	61°48.0'	2288
23	50°01.6'	2256	-	-	50°55.2'	2326	85°56.2'	2281	61°12.5'	2294

Sat Feb 23, 2019 UTC

UTC	+Regulus		-Antares		-Jupiter		-Saturn		+Pollux	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	50°37.3'	2262	50°20.1'	2333	60°37.1'	2300	86°35.7'	2283	86°31.7'	2287
1	51°12.9'	2267	49°45.0'	2341	60°01.8'	2306	86°00.3'	2289	87°07.1'	2293
2	51°48.5'	2273	49°10.0'	2348	59°26.5'	2312	85°24.9'	2295	87°42.5'	2299
3	52°24.1'	2279	48°35.1'	2356	58°51.3'	2318	84°49.5'	2302	88°17.9'	2305
4	52°59.6'	2285	48°00.2'	2364	58°16.1'	2324	84°14.2'	2308	88°53.2'	2311
5	53°35.0'	2291	47°25.4'	2371	57°41.0'	2330	83°38.9'	2314	89°28.4'	2317
6	54°10.4'	2297	46°50.6'	2379	57°05.9'	2337	83°03.7'	2320	90°03.6'	2323
7	54°45.8'	2303	46°15.9'	2387	56°30.9'	2343	82°28.5'	2326	90°38.7'	2329
8	55°21.1'	2310	45°41.3'	2395	55°55.9'	2349	81°53.4'	2332	91°13.8'	2335
9	55°56.3'	2316	45°06.7'	2403	55°20.9'	2355	81°18.3'	2339	91°48.9'	2342
10	56°31.5'	2322	44°32.2'	2411	54°46.1'	2362	80°43.3'	2345	92°23.9'	2348
11	57°06.7'	2328	43°57.8'	2419	54°11.2'	2368	80°08.3'	2351	92°58.8'	2354
12	57°41.8'	2334	43°23.4'	2428	53°36.4'	2374	79°33.4'	2357	93°33.7'	2360
13	58°16.8'	2340	42°49.1'	2436	53°01.7'	2381	78°58.6'	2364	94°08.6'	2367
14	58°51.8'	2347	42°14.9'	2445	52°27.0'	2387	78°23.7'	2370	94°43.3'	2373
15	59°26.8'	2353	41°40.7'	2453	51°52.4'	2393	77°49.0'	2376	95°18.1'	2379
16	60°01.7'	2359	41°06.6'	2462	51°17.8'	2400	77°14.3'	2383	95°52.8'	2386
17	60°36.5'	2365	40°32.5'	2471	50°43.3'	2406	76°39.6'	2389	96°27.4'	2392
18	61°11.4'	2371	39°58.6'	2480	50°08.8'	2413	76°05.0'	2395	97°02.0'	2398
19	61°46.1'	2378	39°24.7'	2489	49°34.4'	2419	75°30.4'	2402	97°36.6'	2405
20	62°20.8'	2384	38°50.9'	2499	49°00.0'	2426	74°55.9'	2408	98°11.0'	2411
21	62°55.5'	2390	38°17.1'	2508	48°25.7'	2432	74°21.4'	2414	98°45.5'	2418
22	63°30.1'	2397	37°43.4'	2518	47°51.4'	2439	73°47.0'	2421	99°19.9'	2424
23	64°04.6'	2403	37°09.8'	2527	47°17.2'	2445	73°12.7'	2427	99°54.2'	2431

Sun Feb 24, 2019 UTC

UTC	-Antares		-Jupiter		+Regulus		+Spica		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	36°36.3'	2537	46°43.0'	2452	64°39.1'	2409	12°46.7'	3220	72°38.4'	2433
1	36°02.8'	2547	46°08.9'	2458	65°13.6'	2416	13°15.3'	3160	72°04.1'	2440
2	35°29.5'	2558	45°34.8'	2465	65°48.0'	2422	13°44.2'	3107	71°29.9'	2446
3	34°56.2'	2568	45°00.8'	2471	66°22.3'	2428	14°13.6'	3061	70°55.7'	2453
4	34°23.0'	2579	44°26.9'	2478	66°56.6'	2435	14°43.2'	3020	70°21.6'	2459
5	33°49.8'	2589	43°53.0'	2484	67°30.9'	2441	15°13.2'	2985	69°47.5'	2465
6	33°16.8'	2601	43°19.1'	2491	68°05.1'	2447	15°43.3'	2954	69°13.5'	2472
7	32°43.8'	2612	42°45.3'	2497	68°39.2'	2454	16°13.7'	2926	68°39.6'	2478
8	32°10.9'	2623	42°11.5'	2504	69°13.3'	2460	16°44.3'	2902	68°05.7'	2485
9	31°38.1'	2635	41°37.8'	2511	69°47.4'	2466	17°15.1'	2881	67°31.8'	2491
10	31°05.4'	2647	41°04.1'	2517	70°21.4'	2472	17°46.0'	2862	66°58.0'	2497
11	30°32.8'	2660	40°30.5'	2524	70°55.4'	2479	18°17.0'	2846	66°24.2'	2504
12	30°00.3'	2673	39°57.0'	2530	71°29.3'	2485	18°48.2'	2831	65°50.5'	2510
13	29°27.9'	2686	39°23.5'	2537	72°03.1'	2491	19°19.5'	2818	65°16.9'	2516
14	28°55.5'	2699	38°50.0'	2543	72°36.9'	2498	19°50.8'	2807	64°43.2'	2523
15	28°23.3'	2713	38°16.6'	2550	73°10.7'	2504	20°22.2'	2797	64°09.7'	2529
16	27°51.2'	2728	37°43.3'	2556	73°44.4'	2510	20°53.8'	2788	63°36.2'	2535
17	27°19.2'	2742	37°10.0'	2563	74°18.1'	2517	21°25.3'	2781	63°02.7'	2542
18	26°47.2'	2758	36°36.7'	2570	74°51.7'	2523	21°57.0'	2774	62°29.3'	2548
19	26°15.5'	2774	36°03.5'	2576	75°25.2'	2529	22°28.6'	2769	61°55.9'	2554
20	25°43.8'	2790	35°30.3'	2583	75°58.8'	2535	23°00.3'	2764	61°22.6'	2561
21	25°12.2'	2807	34°57.2'	2589	76°32.2'	2541	23°32.1'	2760	60°49.3'	2567
22	24°40.8'	2825	34°24.2'	2596	77°05.6'	2548	24°03.9'	2757	60°16.1'	2573
23	24°09.5'	2844	33°51.2'	2602	77°39.0'	2554	24°35.7'	2754	59°42.9'	2579

Mon Feb 25, 2019 UTC

UTC	-Sun		-Jupiter		+Spica		-Antares		-Saturn	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	107°43.0'	2904	33°18.2'	2609	25°07.5'	2752	23°38.3'	2864	59°09.8'	2586
1	107°12.3'	2911	32°45.3'	2615	25°39.3'	2751	23°07.3'	2884	58°36.7'	2592
2	106°41.6'	2918	32°12.5'	2622	26°11.2'	2750	22°36.4'	2905	58°03.7'	2598
3	106°10.9'	2924	31°39.7'	2629	26°43.0'	2749	22°05.7'	2928	57°30.7'	2604
4	105°40.3'	2931	31°06.9'	2635	27°14.9'	2749	21°35.1'	2952	56°57.7'	2610
5	105°09.8'	2937	30°34.2'	2642	27°46.8'	2749	21°04.7'	2977	56°24.8'	2616
6	104°39.2'	2944	30°01.5'	2648	28°18.6'	2749	20°34.4'	3004	55°52.0'	2622
7	104°08.8'	2950	29°28.9'	2655	28°50.5'	2750	20°04.4'	3032	55°19.2'	2629
8	103°38.4'	2957	28°56.4'	2661	29°22.3'	2751	19°34.5'	3062	54°46.4'	2635
9	103°08.0'	2963	28°23.9'	2668	29°54.2'	2752	19°04.9'	3094	54°13.7'	2641
10	102°37.7'	2970	27°51.4'	2674	30°26.0'	2753	18°35.5'	3128	53°41.1'	2647
11	102°07.4'	2976	27°19.0'	2681	30°57.9'	2755	18°06.3'	3165	53°08.4'	2653
12	101°37.2'	2983	26°46.6'	2688	31°29.7'	2757	17°37.3'	3205	52°35.9'	2659
13	101°07.0'	2989	26°14.3'	2694	32°01.5'	2759	17°08.6'	3247	52°03.3'	2665
14	100°36.8'	2995	25°42.0'	2701	32°33.3'	2761	16°40.2'	3293	51°30.9'	2670
15	100°06.7'	3002	25°09.8'	2708	33°05.0'	2763	16°12.1'	3344	50°58.4'	2676
16	99°36.7'	3008	24°37.7'	2714	33°36.8'	2766	15°44.3'	3398	50°26.0'	2682
17	99°06.6'	3014	24°05.5'	2721	34°08.5'	2769	15°16.9'	3458	49°53.7'	2688
18	98°36.7'	3021	23°33.5'	2728	34°40.2'	2771	14°49.8'	3523	49°21.3'	2694
19	98°06.7'	3027	23°01.5'	2734	35°11.9'	2774	14°23.2'	3595	48°49.1'	2699
20	97°36.9'	3033	22°29.5'	2741	35°43.6'	2777	13°57.0'	3675	48°16.9'	2705
21	97°07.0'	3039	21°57.6'	2748	36°15.3'	2780	13°31.2'	3763	47°44.7'	2711
22	96°37.2'	3045	21°25.7'	2755	36°46.9'	2784	13°06.0'	3860	47°12.5'	2717
23	96°07.4'	3051	20°53.9'	2762	37°18.5'	2787	12°41.3'	3970	46°40.4'	2722

Tue Feb 26, 2019 UTC

UTC	-Sun		-Jupiter		+Spica		-Saturn		-Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	95°37.7'	3057	20°22.1'	2769	37°50.1'	2790	46°08.4'	2728	54°12.7'	3116
1	95°08.1'	3063	19°50.4'	2776	38°21.7'	2793	45°36.4'	2733	53°43.5'	3122
2	94°38.4'	3069	19°18.7'	2783	38°53.2'	2797	45°04.4'	2739	53°14.2'	3128
3	94°08.8'	3075	18°47.1'	2791	39°24.7'	2800	44°32.4'	2744	52°45.0'	3134
4	93°39.3'	3081	18°15.6'	2798	39°56.2'	2804	44°00.6'	2750	52°15.9'	3140
5	93°09.8'	3087	17°44.1'	2806	40°27.6'	2808	43°28.7'	2755	51°46.7'	3146
6	92°40.3'	3093	17°12.6'	2814	40°59.1'	2811	42°56.9'	2761	51°17.7'	3152
7	92°10.9'	3099	16°41.2'	2822	41°30.5'	2815	42°25.1'	2766	50°48.6'	3158
8	91°41.5'	3105	16°09.9'	2830	42°01.9'	2818	41°53.4'	2771	50°19.6'	3164
9	91°12.1'	3110	15°38.6'	2838	42°33.2'	2822	41°21.7'	2777	49°50.7'	3170
10	90°42.8'	3116	15°07.4'	2847	43°04.6'	2826	40°50.0'	2782	49°21.8'	3175
11	90°13.5'	3122	14°36.3'	2856	43°35.9'	2830	40°18.4'	2787	48°52.9'	3181
12	89°44.3'	3127	14°05.2'	2866	44°07.1'	2833	39°46.8'	2792	48°24.0'	3187
13	89°15.1'	3133	13°34.2'	2876	44°38.4'	2837	39°15.3'	2798	47°55.2'	3193
14	88°45.9'	3138	13°03.2'	2886	45°09.6'	2841	38°43.8'	2803	47°26.5'	3198
15	88°16.8'	3144	12°32.4'	2897	45°40.8'	2845	38°12.3'	2808	46°57.7'	3204
16	87°47.7'	3149	12°01.6'	2909	46°12.0'	2849	37°40.9'	2813	46°29.0'	3209
17	87°18.6'	3155	11°30.9'	2922	46°43.1'	2852	37°09.5'	2818	46°00.4'	3215
18	86°49.6'	3160	11°00.3'	2937	47°14.2'	2856	36°38.1'	2823	45°31.8'	3220
19	86°20.6'	3166	10°29.7'	2952	47°45.3'	2860	36°06.8'	2828	45°03.2'	3226
20	85°51.7'	3171	9°59.3'	2969	48°16.3'	2864	35°35.5'	2832	44°34.6'	3231
21	85°22.8'	3176	9°29.0'	2988	48°47.4'	2868	35°04.2'	2837	44°06.1'	3237
22	84°53.9'	3181	8°58.9'	3010	49°18.4'	2872	34°33.0'	2842	43°37.6'	3242
23	84°25.1'	3186	8°28.9'	3035	49°49.3'	2875	34°01.8'	2847	43°09.2'	3247

Wed Feb 27, 2019 UTC

UTC	-Sun		-Jupiter		-Saturn		+Spica		-Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	83°56.2'	3192	7°59.1'	3064	33°30.7'	2851	50°20.3'	2879	42°40.8'	3252
1	83°27.5'	3197	7°29.4'	3099	32°59.6'	2856	50°51.2'	2883	42°12.4'	3258
2	82°58.7'	3202	7°00.0'	3140	32°28.5'	2861	51°22.1'	2887	41°44.1'	3263
3	82°30.0'	3207	6°30.9'	3191	31°57.4'	2865	51°53.0'	2890	41°15.8'	3268
4	82°01.4'	3212	6°02.1'	3254	31°26.4'	2870	52°23.8'	2894	40°47.5'	3273
5	81°32.7'	3217	5°33.8'	3334	30°55.4'	2874	52°54.6'	2898	40°19.3'	3278
6	81°04.1'	3221	5°05.9'	3439	30°24.5'	2879	53°25.4'	2902	39°51.0'	3283
7	80°35.5'	3226	-	-	29°53.6'	2883	53°56.2'	2905	39°22.9'	3288
8	80°07.0'	3231	-	-	29°22.7'	2888	54°26.9'	2909	38°54.7'	3293
9	79°38.5'	3236	-	-	28°51.8'	2892	54°57.6'	2913	38°26.6'	3297
10	79°10.0'	3240	-	-	28°21.0'	2896	55°28.3'	2916	37°58.5'	3302
11	78°41.5'	3245	-	-	27°50.2'	2900	55°59.0'	2920	37°30.5'	3307
12	78°13.1'	3250	-	-	27°19.4'	2905	56°29.6'	2923	37°02.5'	3312
13	77°44.7'	3254	-	-	26°48.7'	2909	57°00.2'	2927	36°34.5'	3316
14	77°16.4'	3259	-	-	26°18.0'	2913	57°30.8'	2930	36°06.5'	3321
15	76°48.0'	3263	-	-	25°47.3'	2917	58°01.3'	2934	35°38.6'	3325
16	76°19.7'	3268	-	-	25°16.6'	2921	58°31.9'	2937	35°10.7'	3330
17	75°51.5'	3272	-	-	24°46.0'	2925	59°02.4'	2941	34°42.8'	3334
18	75°23.2'	3276	-	-	24°15.4'	2929	59°32.9'	2944	34°15.0'	3339
19	74°55.0'	3281	-	-	23°44.8'	2933	60°03.3'	2948	33°47.2'	3343
20	74°26.8'	3285	-	-	23°14.3'	2937	60°33.7'	2951	33°19.4'	3348
21	73°58.6'	3289	-	-	22°43.8'	2941	61°04.2'	2954	32°51.6'	3352
22	73°30.5'	3293	-	-	22°13.3'	2944	61°34.6'	2958	32°23.9'	3356
23	73°02.4'	3297	4°42.9'	3491	21°42.8'	2948	62°04.9'	2961	31°56.2'	3360

Thu Feb 28, 2019 UTC

UTC	-Sun		-Saturn		+Jupiter		+Antares		-Venus	
	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.	Lunar Dist.	P.L.
0	72°34.3'	3301	21°12.4'	2952	5°09.8'	3400	17°58.7'	3440	31°28.5'	3364
1	72°06.3'	3305	20°42.0'	2955	5°37.2'	3331	18°25.9'	3417	31°00.9'	3368
2	71°38.2'	3309	20°11.6'	2959	6°05.0'	3279	18°53.2'	3395	30°33.2'	3373
3	71°10.2'	3313	19°41.3'	2962	6°33.2'	3238	19°20.6'	3376	30°05.6'	3377
4	70°42.2'	3317	19°10.9'	2966	7°01.7'	3206	19°48.2'	3358	29°38.1'	3381
5	70°14.3'	3321	18°40.6'	2969	7°30.4'	3181	20°15.9'	3341	29°10.5'	3384
6	69°46.3'	3324	18°10.3'	2973	7°59.2'	3161	20°43.7'	3326	28°43.0'	3388
7	69°18.4'	3328	17°40.1'	2976	8°28.2'	3144	21°11.6'	3312	28°15.5'	3392
8	68°50.6'	3332	17°09.8'	2980	8°57.3'	3131	21°39.6'	3299	27°48.0'	3396
9	68°22.7'	3335	16°39.6'	2983	9°26.5'	3120	22°07.7'	3288	27°20.6'	3400
10	67°54.9'	3339	16°09.4'	2986	9°55.7'	3111	22°35.8'	3277	26°53.1'	3403
11	67°27.1'	3343	15°39.3'	2989	10°25.0'	3104	23°04.0'	3267	26°25.7'	3407
12	66°59.3'	3346	15°09.1'	2992	10°54.4'	3098	23°32.3'	3257	25°58.3'	3411
13	66°31.5'	3350	14°39.0'	2996	11°23.8'	3093	24°00.7'	3249	25°31.0'	3414
14	66°03.7'	3353	14°08.9'	2999	11°53.2'	3089	24°29.0'	3241	25°03.7'	3418
15	65°36.0'	3356	13°38.8'	3002	12°22.7'	3086	24°57.5'	3234	24°36.3'	3421
16	65°08.3'	3360	13°08.8'	3005	12°52.2'	3083	25°26.0'	3227	24°09.1'	3425
17	64°40.6'	3363	12°38.7'	3008	13°21.7'	3081	25°54.5'	3221	23°41.8'	3428
18	64°13.0'	3366	12°08.7'	3011	13°51.2'	3080	26°23.1'	3215	23°14.5'	3432
19	63°45.3'	3369	11°38.7'	3014	14°20.7'	3079	26°51.7'	3210	22°47.3'	3435
20	63°17.7'	3372	11°08.7'	3017	14°50.3'	3078	27°20.4'	3205	22°20.1'	3438
21	62°50.1'	3375	10°38.8'	3020	15°19.8'	3077	27°49.1'	3201	21°52.9'	3442
22	62°22.5'	3378	10°08.8'	3022	15°49.3'	3077	28°17.8'	3196	21°25.8'	3445
23	61°55.0'	3381	9°38.9'	3025	16°18.9'	3077	28°46.5'	3192	20°58.6'	3448