

Fri Mar 1, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	158°30.6'	176°52.8'	S 7°46.8'	239°11.8'	11.1'	S 21°36.4'	0.6'	54.7'
1	173°33.1'	191°53.0'	S 7°45.8'	253°41.9'	11.1'	S 21°37.0'	0.5'	54.6'
2	188°35.5'	206°53.1'	S 7°44.9'	268°12.0'	11.1'	S 21°37.5'	0.4'	54.6'
3	203°38.0'	221°53.2'	S 7°43.9'	282°42.1'	11.1'	S 21°37.9'	0.3'	54.6'
4	218°40.5'	236°53.3'	S 7°43.0'	297°12.2'	11.1'	S 21°38.2'	0.2'	54.6'
5	233°42.9'	251°53.4'	S 7°42.0'	311°42.4'	11.2'	S 21°38.4'	0.1'	54.6'
6	248°45.4'	266°53.5'	S 7°41.1'	326°12.5'	11.2'	S 21°38.5'	0.0'	54.5'
7	263°47.8'	281°53.7'	S 7°40.1'	340°42.7'	11.2'	S 21°38.4'	0.1'	54.5'
8	278°50.3'	296°53.8'	S 7°39.2'	355°12.9'	11.2'	S 21°38.3'	0.2'	54.5'
9	293°52.8'	311°53.9'	S 7°38.2'	9°43.1'	11.2'	S 21°38.1'	0.3'	54.5'
10	308°55.2'	326°54.0'	S 7°37.3'	24°13.4'	11.3'	S 21°37.8'	0.4'	54.5'
11	323°57.7'	341°54.1'	S 7°36.3'	38°43.6'	11.3'	S 21°37.3'	0.5'	54.5'
12	339°00.2'	356°54.3'	S 7°35.4'	53°13.9'	11.3'	S 21°36.8'	0.6'	54.5'
13	354°02.6'	11°54.4'	S 7°34.4'	67°44.2'	11.3'	S 21°36.1'	0.7'	54.4'
14	9°05.1'	26°54.5'	S 7°33.5'	82°14.5'	11.3'	S 21°35.4'	0.8'	54.4'
15	24°07.6'	41°54.6'	S 7°32.5'	96°44.8'	11.4'	S 21°34.5'	1.0'	54.4'
16	39°10.0'	56°54.7'	S 7°31.6'	111°15.2'	11.4'	S 21°33.6'	1.1'	54.4'
17	54°12.5'	71°54.9'	S 7°30.6'	125°45.5'	11.4'	S 21°32.5'	1.2'	54.4'
18	69°15.0'	86°55.0'	S 7°29.7'	140°15.9'	11.4'	S 21°31.4'	1.3'	54.4'
19	84°17.4'	101°55.1'	S 7°28.7'	154°46.3'	11.4'	S 21°30.1'	1.4'	54.4'
20	99°19.9'	116°55.2'	S 7°27.8'	169°16.8'	11.5'	S 21°28.8'	1.5'	54.3'
21	114°22.3'	131°55.4'	S 7°26.8'	183°47.2'	11.5'	S 21°27.3'	1.6'	54.3'
22	129°24.8'	146°55.5'	S 7°25.9'	198°17.7'	11.5'	S 21°25.8'	1.7'	54.3'
23	144°27.3'	161°55.6'	S 7°24.9'	212°48.2'	11.5'	S 21°24.1'	1.8'	54.3'

Sat Mar 2, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	159°29.7'	176°55.7'	S 7°24.0'	227°18.8'	11.6'	S 21°22.3'	1.9'	54.3'
1	174°32.2'	191°55.8'	S 7°23.0'	241°49.3'	11.6'	S 21°20.5'	2.0'	54.3'
2	189°34.7'	206°56.0'	S 7°22.1'	256°19.9'	11.6'	S 21°18.5'	2.1'	54.3'
3	204°37.1'	221°56.1'	S 7°21.1'	270°50.5'	11.6'	S 21°16.4'	2.2'	54.3'
4	219°39.6'	236°56.2'	S 7°20.1'	285°21.2'	11.7'	S 21°14.3'	2.3'	54.2'
5	234°42.1'	251°56.3'	S 7°19.2'	299°51.8'	11.7'	S 21°12.0'	2.4'	54.2'
6	249°44.5'	266°56.5'	S 7°18.2'	314°22.5'	11.7'	S 21°09.7'	2.5'	54.2'
7	264°47.0'	281°56.6'	S 7°17.3'	328°53.2'	11.7'	S 21°07.2'	2.6'	54.2'
8	279°49.5'	296°56.7'	S 7°16.3'	343°24.0'	11.8'	S 21°04.7'	2.7'	54.2'
9	294°51.9'	311°56.8'	S 7°15.4'	357°54.8'	11.8'	S 21°02.0'	2.7'	54.2'
10	309°54.4'	326°57.0'	S 7°14.4'	12°25.6'	11.8'	S 20°59.3'	2.8'	54.2'
11	324°56.8'	341°57.1'	S 7°13.5'	26°56.4'	11.9'	S 20°56.4'	2.9'	54.2'
12	339°59.3'	356°57.2'	S 7°12.5'	41°27.3'	11.9'	S 20°53.5'	3.0'	54.2'
13	355°01.8'	11°57.3'	S 7°11.6'	55°58.1'	11.9'	S 20°50.4'	3.1'	54.2'
14	10°04.2'	26°57.5'	S 7°10.6'	70°29.1'	11.9'	S 20°47.3'	3.2'	54.1'
15	25°06.7'	41°57.6'	S 7°09.7'	85°00.0'	12.0'	S 20°44.1'	3.3'	54.1'
16	40°09.2'	56°57.7'	S 7°08.7'	99°31.0'	12.0'	S 20°40.8'	3.4'	54.1'
17	55°11.6'	71°57.8'	S 7°07.7'	114°02.0'	12.0'	S 20°37.3'	3.5'	54.1'
18	70°14.1'	86°58.0'	S 7°06.8'	128°33.0'	12.1'	S 20°33.8'	3.6'	54.1'
19	85°16.6'	101°58.1'	S 7°05.8'	143°04.1'	12.1'	S 20°30.2'	3.7'	54.1'
20	100°19.0'	116°58.2'	S 7°04.9'	157°35.2'	12.1'	S 20°26.5'	3.8'	54.1'
21	115°21.5'	131°58.3'	S 7°03.9'	172°06.3'	12.2'	S 20°22.7'	3.9'	54.1'
22	130°23.9'	146°58.5'	S 7°03.0'	186°37.5'	12.2'	S 20°18.8'	4.0'	54.1'
23	145°26.4'	161°58.6'	S 7°02.0'	201°08.7'	12.2'	S 20°14.9'	4.1'	54.1'

Sun Mar 3, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	160°28.9'	176°58.7'	S 7°01.1'	215°39.9'	12.3'	S 20°10.8'	4.2'	54.1'
1	175°31.3'	191°58.8'	S 7°00.1'	230°11.2'	12.3'	S 20°06.6'	4.3'	54.1'
2	190°33.8'	206°59.0'	S 6°59.1'	244°42.5'	12.3'	S 20°02.4'	4.3'	54.1'
3	205°36.3'	221°59.1'	S 6°58.2'	259°13.8'	12.4'	S 19°58.0'	4.4'	54.0'
4	220°38.7'	236°59.2'	S 6°57.2'	273°45.2'	12.4'	S 19°53.6'	4.5'	54.0'
5	235°41.2'	251°59.4'	S 6°56.3'	288°16.6'	12.4'	S 19°49.1'	4.6'	54.0'
6	250°43.7'	266°59.5'	S 6°55.3'	302°48.0'	12.5'	S 19°44.5'	4.7'	54.0'
7	265°46.1'	281°59.6'	S 6°54.4'	317°19.5'	12.5'	S 19°39.8'	4.8'	54.0'
8	280°48.6'	296°59.7'	S 6°53.4'	331°51.0'	12.5'	S 19°35.0'	4.9'	54.0'
9	295°51.1'	311°59.9'	S 6°52.4'	346°22.5'	12.6'	S 19°30.1'	5.0'	54.0'
10	310°53.5'	327°00.0'	S 6°51.5'	0°54.1'	12.6'	S 19°25.1'	5.1'	54.0'
11	325°56.0'	342°00.1'	S 6°50.5'	15°25.7'	12.6'	S 19°20.1'	5.1'	54.0'
12	340°58.4'	357°00.3'	S 6°49.6'	29°57.3'	12.7'	S 19°14.9'	5.2'	54.0'
13	356°00.9'	12°00.4'	S 6°48.6'	44°29.0'	12.7'	S 19°09.7'	5.3'	54.0'
14	11°03.4'	27°00.5'	S 6°47.6'	59°00.7'	12.7'	S 19°04.4'	5.4'	54.0'
15	26°05.8'	42°00.7'	S 6°46.7'	73°32.4'	12.8'	S 18°59.0'	5.5'	54.0'
16	41°08.3'	57°00.8'	S 6°45.7'	88°04.2'	12.8'	S 18°53.5'	5.6'	54.0'
17	56°10.8'	72°00.9'	S 6°44.8'	102°36.0'	12.8'	S 18°48.0'	5.6'	54.0'
18	71°13.2'	87°01.0'	S 6°43.8'	117°07.8'	12.9'	S 18°42.3'	5.7'	54.0'
19	86°15.7'	102°01.2'	S 6°42.8'	131°39.7'	12.9'	S 18°36.6'	5.8'	54.0'
20	101°18.2'	117°01.3'	S 6°41.9'	146°11.6'	13.0'	S 18°30.8'	5.9'	54.0'
21	116°20.6'	132°01.4'	S 6°40.9'	160°43.6'	13.0'	S 18°24.9'	6.0'	54.0'
22	131°23.1'	147°01.6'	S 6°40.0'	175°15.6'	13.0'	S 18°18.9'	6.1'	54.0'
23	146°25.6'	162°01.7'	S 6°39.0'	189°47.6'	13.1'	S 18°12.9'	6.1'	54.0'

Mon Mar 4, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	161°28.0'	177°01.8'	S 6°38.0'	204°19.7'	13.1'	S 18°06.7'	6.2'	54.0'
1	176°30.5'	192°02.0'	S 6°37.1'	218°51.8'	13.1'	S 18°00.5'	6.3'	54.0'
2	191°32.9'	207°02.1'	S 6°36.1'	233°23.9'	13.2'	S 17°54.2'	6.4'	54.0'
3	206°35.4'	222°02.2'	S 6°35.2'	247°56.1'	13.2'	S 17°47.9'	6.4'	54.0'
4	221°37.9'	237°02.4'	S 6°34.2'	262°28.3'	13.2'	S 17°41.4'	6.5'	54.0'
5	236°40.3'	252°02.5'	S 6°33.2'	277°00.5'	13.3'	S 17°34.9'	6.6'	54.0'
6	251°42.8'	267°02.6'	S 6°32.3'	291°32.8'	13.3'	S 17°28.3'	6.7'	54.0'
7	266°45.3'	282°02.8'	S 6°31.3'	306°05.1'	13.3'	S 17°21.6'	6.8'	54.0'
8	281°47.7'	297°02.9'	S 6°30.4'	320°37.4'	13.4'	S 17°14.9'	6.8'	54.0'
9	296°50.2'	312°03.0'	S 6°29.4'	335°09.8'	13.4'	S 17°08.0'	6.9'	54.0'
10	311°52.7'	327°03.2'	S 6°28.4'	349°42.2'	13.5'	S 17°01.1'	7.0'	54.0'
11	326°55.1'	342°03.3'	S 6°27.5'	4°14.7'	13.5'	S 16°54.1'	7.1'	54.0'
12	341°57.6'	357°03.4'	S 6°26.5'	18°47.2'	13.5'	S 16°47.1'	7.1'	54.0'
13	357°00.0'	12°03.6'	S 6°25.5'	33°19.7'	13.6'	S 16°40.0'	7.2'	54.0'
14	12°02.5'	27°03.7'	S 6°24.6'	47°52.2'	13.6'	S 16°32.8'	7.3'	54.0'
15	27°05.0'	42°03.8'	S 6°23.6'	62°24.8'	13.6'	S 16°25.5'	7.3'	54.0'
16	42°07.4'	57°04.0'	S 6°22.7'	76°57.5'	13.7'	S 16°18.1'	7.4'	54.0'
17	57°09.9'	72°04.1'	S 6°21.7'	91°30.1'	13.7'	S 16°10.7'	7.5'	54.0'
18	72°12.4'	87°04.3'	S 6°20.7'	106°02.8'	13.7'	S 16°03.2'	7.6'	54.0'
19	87°14.8'	102°04.4'	S 6°19.8'	120°35.6'	13.8'	S 15°55.7'	7.6'	54.0'
20	102°17.3'	117°04.5'	S 6°18.8'	135°08.3'	13.8'	S 15°48.1'	7.7'	54.0'
21	117°19.8'	132°04.7'	S 6°17.8'	149°41.1'	13.8'	S 15°40.4'	7.8'	54.0'
22	132°22.2'	147°04.8'	S 6°16.9'	164°14.0'	13.9'	S 15°32.6'	7.8'	54.0'
23	147°24.7'	162°04.9'	S 6°15.9'	178°46.8'	13.9'	S 15°24.8'	7.9'	54.0'

Tue Mar 5, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	162°27.2'	177°05.1'	S 6°14.9'	193°19.7'	13.9'	S 15°16.9'	8.0'	54.0'
1	177°29.6'	192°05.2'	S 6°14.0'	207°52.7'	14.0'	S 15°09.0'	8.0'	54.0'
2	192°32.1'	207°05.3'	S 6°13.0'	222°25.6'	14.0'	S 15°00.9'	8.1'	54.0'
3	207°34.5'	222°05.5'	S 6°12.1'	236°58.6'	14.0'	S 14°52.8'	8.2'	54.0'
4	222°37.0'	237°05.6'	S 6°11.1'	251°31.7'	14.1'	S 14°44.7'	8.2'	54.0'
5	237°39.5'	252°05.8'	S 6°10.1'	266°04.7'	14.1'	S 14°36.5'	8.3'	54.0'
6	252°41.9'	267°05.9'	S 6°09.2'	280°37.8'	14.1'	S 14°28.2'	8.3'	54.0'
7	267°44.4'	282°06.0'	S 6°08.2'	295°11.0'	14.2'	S 14°19.9'	8.4'	54.0'
8	282°46.9'	297°06.2'	S 6°07.2'	309°44.1'	14.2'	S 14°11.5'	8.5'	54.0'
9	297°49.3'	312°06.3'	S 6°06.3'	324°17.3'	14.2'	S 14°03.0'	8.5'	54.0'
10	312°51.8'	327°06.5'	S 6°05.3'	338°50.5'	14.3'	S 13°54.5'	8.6'	54.0'
11	327°54.3'	342°06.6'	S 6°04.3'	353°23.8'	14.3'	S 13°45.9'	8.6'	54.0'
12	342°56.7'	357°06.7'	S 6°03.4'	7°57.1'	14.3'	S 13°37.2'	8.7'	54.0'
13	357°59.2'	12°06.9'	S 6°02.4'	22°30.4'	14.3'	S 13°28.5'	8.8'	54.0'
14	13°01.6'	27°07.0'	S 6°01.4'	37°03.7'	14.4'	S 13°19.8'	8.8'	54.0'
15	28°04.1'	42°07.1'	S 6°00.5'	51°37.1'	14.4'	S 13°11.0'	8.9'	54.0'
16	43°06.6'	57°07.3'	S 5°59.5'	66°10.5'	14.4'	S 13°02.1'	8.9'	54.0'
17	58°09.0'	72°07.4'	S 5°58.5'	80°44.0'	14.5'	S 12°53.2'	9.0'	54.0'
18	73°11.5'	87°07.6'	S 5°57.6'	95°17.4'	14.5'	S 12°44.2'	9.0'	54.0'
19	88°14.0'	102°07.7'	S 5°56.6'	109°50.9'	14.5'	S 12°35.1'	9.1'	54.0'
20	103°16.4'	117°07.8'	S 5°55.6'	124°24.4'	14.5'	S 12°26.1'	9.1'	54.0'
21	118°18.9'	132°08.0'	S 5°54.7'	138°58.0'	14.6'	S 12°16.9'	9.2'	54.1'
22	133°21.4'	147°08.1'	S 5°53.7'	153°31.6'	14.6'	S 12°07.7'	9.3'	54.1'
23	148°23.8'	162°08.3'	S 5°52.7'	168°05.2'	14.6'	S 11°58.5'	9.3'	54.1'

Wed Mar 6, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	163°26.3'	177°08.4'	S 5°51.8'	182°38.8'	14.7'	S 11°49.2'	9.4'	54.1'
1	178°28.8'	192°08.6'	S 5°50.8'	197°12.4'	14.7'	S 11°39.8'	9.4'	54.1'
2	193°31.2'	207°08.7'	S 5°49.8'	211°46.1'	14.7'	S 11°30.4'	9.5'	54.1'
3	208°33.7'	222°08.8'	S 5°48.9'	226°19.8'	14.7'	S 11°20.9'	9.5'	54.1'
4	223°36.1'	237°09.0'	S 5°47.9'	240°53.6'	14.8'	S 11°11.4'	9.6'	54.1'
5	238°38.6'	252°09.1'	S 5°46.9'	255°27.3'	14.8'	S 11°01.9'	9.6'	54.1'
6	253°41.1'	267°09.3'	S 5°45.9'	270°01.1'	14.8'	S 10°52.3'	9.6'	54.1'
7	268°43.5'	282°09.4'	S 5°45.0'	284°34.9'	14.8'	S 10°42.6'	9.7'	54.1'
8	283°46.0'	297°09.5'	S 5°44.0'	299°08.7'	14.8'	S 10°32.9'	9.7'	54.1'
9	298°48.5'	312°09.7'	S 5°43.0'	313°42.6'	14.9'	S 10°23.2'	9.8'	54.1'
10	313°50.9'	327°09.8'	S 5°42.1'	328°16.4'	14.9'	S 10°13.4'	9.8'	54.1'
11	328°53.4'	342°10.0'	S 5°41.1'	342°50.3'	14.9'	S 10°03.6'	9.9'	54.1'
12	343°55.9'	357°10.1'	S 5°40.1'	357°24.2'	14.9'	S 9°53.7'	9.9'	54.2'
13	358°58.3'	12°10.3'	S 5°39.2'	11°58.2'	15.0'	S 9°43.8'	10.0'	54.2'
14	14°00.8'	27°10.4'	S 5°38.2'	26°32.1'	15.0'	S 9°33.8'	10.0'	54.2'
15	29°03.3'	42°10.6'	S 5°37.2'	41°06.1'	15.0'	S 9°23.8'	10.0'	54.2'
16	44°05.7'	57°10.7'	S 5°36.3'	55°40.1'	15.0'	S 9°13.8'	10.1'	54.2'
17	59°08.2'	72°10.8'	S 5°35.3'	70°14.1'	15.0'	S 9°03.7'	10.1'	54.2'
18	74°10.6'	87°11.0'	S 5°34.3'	84°48.1'	15.0'	S 8°53.6'	10.2'	54.2'
19	89°13.1'	102°11.1'	S 5°33.3'	99°22.2'	15.1'	S 8°43.4'	10.2'	54.2'
20	104°15.6'	117°11.3'	S 5°32.4'	113°56.2'	15.1'	S 8°33.2'	10.2'	54.2'
21	119°18.0'	132°11.4'	S 5°31.4'	128°30.3'	15.1'	S 8°23.0'	10.3'	54.2'
22	134°20.5'	147°11.6'	S 5°30.4'	143°04.4'	15.1'	S 8°12.7'	10.3'	54.2'
23	149°23.0'	162°11.7'	S 5°29.5'	157°38.5'	15.1'	S 8°02.4'	10.3'	54.2'

Thu Mar 7, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	164°25.4'	177°11.9'	S 5°28.5'	172°12.6'	15.1'	S 7°52.0'	10.4'	54.3'
1	179°27.9'	192°12.0'	S 5°27.5'	186°46.8'	15.2'	S 7°41.7'	10.4'	54.3'
2	194°30.4'	207°12.2'	S 5°26.5'	201°20.9'	15.2'	S 7°31.2'	10.5'	54.3'
3	209°32.8'	222°12.3'	S 5°25.6'	215°55.1'	15.2'	S 7°20.8'	10.5'	54.3'
4	224°35.3'	237°12.4'	S 5°24.6'	230°29.3'	15.2'	S 7°10.3'	10.5'	54.3'
5	239°37.7'	252°12.6'	S 5°23.6'	245°03.5'	15.2'	S 6°59.8'	10.6'	54.3'
6	254°40.2'	267°12.7'	S 5°22.7'	259°37.7'	15.2'	S 6°49.2'	10.6'	54.3'
7	269°42.7'	282°12.9'	S 5°21.7'	274°11.9'	15.2'	S 6°38.6'	10.6'	54.3'
8	284°45.1'	297°13.0'	S 5°20.7'	288°46.1'	15.2'	S 6°28.0'	10.6'	54.3'
9	299°47.6'	312°13.2'	S 5°19.7'	303°20.4'	15.2'	S 6°17.4'	10.7'	54.3'
10	314°50.1'	327°13.3'	S 5°18.8'	317°54.6'	15.3'	S 6°06.7'	10.7'	54.4'
11	329°52.5'	342°13.5'	S 5°17.8'	332°28.9'	15.3'	S 5°56.0'	10.7'	54.4'
12	344°55.0'	357°13.6'	S 5°16.8'	347°03.1'	15.3'	S 5°45.3'	10.8'	54.4'
13	359°57.5'	12°13.8'	S 5°15.9'	1°37.4'	15.3'	S 5°34.5'	10.8'	54.4'
14	14°59.9'	27°13.9'	S 5°14.9'	16°11.7'	15.3'	S 5°23.7'	10.8'	54.4'
15	30°02.4'	42°14.1'	S 5°13.9'	30°46.0'	15.3'	S 5°12.9'	10.8'	54.4'
16	45°04.9'	57°14.2'	S 5°12.9'	45°20.3'	15.3'	S 5°02.1'	10.9'	54.4'
17	60°07.3'	72°14.4'	S 5°12.0'	59°54.5'	15.3'	S 4°51.2'	10.9'	54.4'
18	75°09.8'	87°14.5'	S 5°11.0'	74°28.8'	15.3'	S 4°40.3'	10.9'	54.4'
19	90°12.2'	102°14.7'	S 5°10.0'	89°03.2'	15.3'	S 4°29.4'	10.9'	54.5'
20	105°14.7'	117°14.8'	S 5°09.0'	103°37.5'	15.3'	S 4°18.5'	11.0'	54.5'
21	120°17.2'	132°15.0'	S 5°08.1'	118°11.8'	15.3'	S 4°07.6'	11.0'	54.5'
22	135°19.6'	147°15.1'	S 5°07.1'	132°46.1'	15.3'	S 3°56.6'	11.0'	54.5'
23	150°22.1'	162°15.3'	S 5°06.1'	147°20.4'	15.3'	S 3°45.6'	11.0'	54.5'

Fri Mar 8, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	165°24.6'	177°15.4'	S 5°05.1'	161°54.7'	15.3'	S 3°34.6'	11.0'	54.5'
1	180°27.0'	192°15.6'	S 5°04.2'	176°29.0'	15.3'	S 3°23.6'	11.1'	54.5'
2	195°29.5'	207°15.7'	S 5°03.2'	191°03.3'	15.3'	S 3°12.5'	11.1'	54.5'
3	210°32.0'	222°15.9'	S 5°02.2'	205°37.6'	15.3'	S 3°01.4'	11.1'	54.6'
4	225°34.4'	237°16.0'	S 5°01.3'	220°12.0'	15.3'	S 2°50.3'	11.1'	54.6'
5	240°36.9'	252°16.2'	S 5°00.3'	234°46.3'	15.3'	S 2°39.2'	11.1'	54.6'
6	255°39.3'	267°16.3'	S 4°59.3'	249°20.6'	15.3'	S 2°28.1'	11.1'	54.6'
7	270°41.8'	282°16.5'	S 4°58.3'	263°54.9'	15.3'	S 2°17.0'	11.1'	54.6'
8	285°44.3'	297°16.6'	S 4°57.4'	278°29.2'	15.3'	S 2°05.8'	11.2'	54.6'
9	300°46.7'	312°16.8'	S 4°56.4'	293°03.5'	15.3'	S 1°54.7'	11.2'	54.6'
10	315°49.2'	327°16.9'	S 4°55.4'	307°37.7'	15.3'	S 1°43.5'	11.2'	54.6'
11	330°51.7'	342°17.1'	S 4°54.4'	322°12.0'	15.3'	S 1°32.3'	11.2'	54.7'
12	345°54.1'	357°17.2'	S 4°53.5'	336°46.3'	15.3'	S 1°21.1'	11.2'	54.7'
13	0°56.6'	12°17.4'	S 4°52.5'	351°20.5'	15.3'	S 1°09.9'	11.2'	54.7'
14	15°59.1'	27°17.5'	S 4°51.5'	5°54.8'	15.2'	S 0°58.7'	11.2'	54.7'
15	31°01.5'	42°17.7'	S 4°50.5'	20°29.0'	15.2'	S 0°47.5'	11.2'	54.7'
16	46°04.0'	57°17.8'	S 4°49.5'	35°03.3'	15.2'	S 0°36.2'	11.2'	54.7'
17	61°06.5'	72°18.0'	S 4°48.6'	49°37.5'	15.2'	S 0°25.0'	11.3'	54.7'
18	76°08.9'	87°18.1'	S 4°47.6'	64°11.7'	15.2'	S 0°13.7'	11.3'	54.8'
19	91°11.4'	102°18.3'	S 4°46.6'	78°45.9'	15.2'	S 0°02.5'	11.3'	54.8'
20	106°13.8'	117°18.4'	S 4°45.6'	93°20.1'	15.2'	N 0°08.8'	11.3'	54.8'
21	121°16.3'	132°18.6'	S 4°44.7'	107°54.3'	15.2'	N 0°20.0'	11.3'	54.8'
22	136°18.8'	147°18.7'	S 4°43.7'	122°28.4'	15.1'	N 0°31.3'	11.3'	54.8'
23	151°21.2'	162°18.9'	S 4°42.7'	137°02.5'	15.1'	N 0°42.6'	11.3'	54.8'

Sat Mar 9, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 15.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	166°23.7'	177°19.1'	S 4°41.7'	151°36.7'	15.1'	N 0°53.9'	11.3'	54.8'
1	181°26.2'	192°19.2'	S 4°40.8'	166°10.8'	15.1'	N 1°05.2'	11.3'	54.9'
2	196°28.6'	207°19.4'	S 4°39.8'	180°44.9'	15.1'	N 1°16.4'	11.3'	54.9'
3	211°31.1'	222°19.5'	S 4°38.8'	195°18.9'	15.1'	N 1°27.7'	11.3'	54.9'
4	226°33.6'	237°19.7'	S 4°37.8'	209°53.0'	15.0'	N 1°39.0'	11.3'	54.9'
5	241°36.0'	252°19.8'	S 4°36.9'	224°27.0'	15.0'	N 1°50.3'	11.3'	54.9'
6	256°38.5'	267°20.0'	S 4°35.9'	239°01.0'	15.0'	N 2°01.6'	11.3'	54.9'
7	271°40.9'	282°20.1'	S 4°34.9'	253°35.0'	15.0'	N 2°12.9'	11.3'	55.0'
8	286°43.4'	297°20.3'	S 4°33.9'	268°09.0'	14.9'	N 2°24.1'	11.3'	55.0'
9	301°45.9'	312°20.4'	S 4°32.9'	282°42.9'	14.9'	N 2°35.4'	11.3'	55.0'
10	316°48.3'	327°20.6'	S 4°32.0'	297°16.9'	14.9'	N 2°46.7'	11.3'	55.0'
11	331°50.8'	342°20.8'	S 4°31.0'	311°50.8'	14.9'	N 2°57.9'	11.3'	55.0'
12	346°53.3'	357°20.9'	S 4°30.0'	326°24.6'	14.8'	N 3°09.2'	11.3'	55.0'
13	1°55.7'	12°21.1'	S 4°29.0'	340°58.5'	14.8'	N 3°20.5'	11.2'	55.1'
14	16°58.2'	27°21.2'	S 4°28.1'	355°32.3'	14.8'	N 3°31.7'	11.2'	55.1'
15	32°00.7'	42°21.4'	S 4°27.1'	10°06.1'	14.8'	N 3°42.9'	11.2'	55.1'
16	47°03.1'	57°21.5'	S 4°26.1'	24°39.9'	14.7'	N 3°54.2'	11.2'	55.1'
17	62°05.6'	72°21.7'	S 4°25.1'	39°13.6'	14.7'	N 4°05.4'	11.2'	55.1'
18	77°08.1'	87°21.8'	S 4°24.1'	53°47.3'	14.7'	N 4°16.6'	11.2'	55.2'
19	92°10.5'	102°22.0'	S 4°23.2'	68°21.0'	14.6'	N 4°27.8'	11.2'	55.2'
20	107°13.0'	117°22.2'	S 4°22.2'	82°54.6'	14.6'	N 4°39.0'	11.2'	55.2'
21	122°15.4'	132°22.3'	S 4°21.2'	97°28.3'	14.6'	N 4°50.1'	11.2'	55.2'
22	137°17.9'	147°22.5'	S 4°20.2'	112°01.8'	14.5'	N 5°01.3'	11.1'	55.2'
23	152°20.4'	162°22.6'	S 4°19.2'	126°35.4'	14.5'	N 5°12.4'	11.1'	55.2'

Sun Mar 10, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	167°22.8'	177°22.8'	S 4°18.3'	141°08.9'	14.5'	N 5°23.6'	11.1'	55.3'
1	182°25.3'	192°22.9'	S 4°17.3'	155°42.4'	14.4'	N 5°34.7'	11.1'	55.3'
2	197°27.8'	207°23.1'	S 4°16.3'	170°15.8'	14.4'	N 5°45.8'	11.1'	55.3'
3	212°30.2'	222°23.3'	S 4°15.3'	184°49.2'	14.4'	N 5°56.9'	11.1'	55.3'
4	227°32.7'	237°23.4'	S 4°14.4'	199°22.6'	14.3'	N 6°07.9'	11.0'	55.3'
5	242°35.2'	252°23.6'	S 4°13.4'	213°56.0'	14.3'	N 6°19.0'	11.0'	55.4'
6	257°37.6'	267°23.7'	S 4°12.4'	228°29.2'	14.3'	N 6°30.0'	11.0'	55.4'
7	272°40.1'	282°23.9'	S 4°11.4'	243°02.5'	14.2'	N 6°41.0'	11.0'	55.4'
8	287°42.5'	297°24.1'	S 4°10.4'	257°35.7'	14.2'	N 6°51.9'	11.0'	55.4'
9	302°45.0'	312°24.2'	S 4°09.5'	272°08.9'	14.1'	N 7°02.9'	10.9'	55.4'
10	317°47.5'	327°24.4'	S 4°08.5'	286°42.0'	14.1'	N 7°13.8'	10.9'	55.5'
11	332°49.9'	342°24.5'	S 4°07.5'	301°15.1'	14.0'	N 7°24.7'	10.9'	55.5'
12	347°52.4'	357°24.7'	S 4°06.5'	315°48.2'	14.0'	N 7°35.6'	10.9'	55.5'
13	2°54.9'	12°24.9'	S 4°05.5'	330°21.2'	14.0'	N 7°46.5'	10.8'	55.5'
14	17°57.3'	27°25.0'	S 4°04.6'	344°54.1'	13.9'	N 7°57.3'	10.8'	55.5'
15	32°59.8'	42°25.2'	S 4°03.6'	359°27.0'	13.9'	N 8°08.1'	10.8'	55.6'
16	48°02.3'	57°25.3'	S 4°02.6'	13°59.9'	13.8'	N 8°18.9'	10.7'	55.6'
17	63°04.7'	72°25.5'	S 4°01.6'	28°32.7'	13.8'	N 8°29.6'	10.7'	55.6'
18	78°07.2'	87°25.7'	S 4°00.6'	43°05.5'	13.7'	N 8°40.4'	10.7'	55.6'
19	93°09.7'	102°25.8'	S 3°59.7'	57°38.2'	13.7'	N 8°51.0'	10.7'	55.6'
20	108°12.1'	117°26.0'	S 3°58.7'	72°10.9'	13.6'	N 9°01.7'	10.6'	55.7'
21	123°14.6'	132°26.1'	S 3°57.7'	86°43.5'	13.6'	N 9°12.3'	10.6'	55.7'
22	138°17.0'	147°26.3'	S 3°56.7'	101°16.1'	13.5'	N 9°22.9'	10.6'	55.7'
23	153°19.5'	162°26.5'	S 3°55.7'	115°48.6'	13.5'	N 9°33.5'	10.5'	55.7'

Mon Mar 11, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 15.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	168°22.0'	177°26.6'	S 3°54.7'	130°21.1'	13.4'	N 9°44.0'	10.5'	55.8'
1	183°24.4'	192°26.8'	S 3°53.8'	144°53.5'	13.4'	N 9°54.5'	10.4'	55.8'
2	198°26.9'	207°26.9'	S 3°52.8'	159°25.9'	13.3'	N 10°04.9'	10.4'	55.8'
3	213°29.4'	222°27.1'	S 3°51.8'	173°58.2'	13.3'	N 10°15.3'	10.4'	55.8'
4	228°31.8'	237°27.3'	S 3°50.8'	188°30.5'	13.2'	N 10°25.7'	10.3'	55.8'
5	243°34.3'	252°27.4'	S 3°49.8'	203°02.7'	13.1'	N 10°36.0'	10.3'	55.9'
6	258°36.8'	267°27.6'	S 3°48.9'	217°34.8'	13.1'	N 10°46.3'	10.2'	55.9'
7	273°39.2'	282°27.8'	S 3°47.9'	232°06.9'	13.0'	N 10°56.6'	10.2'	55.9'
8	288°41.7'	297°27.9'	S 3°46.9'	246°38.9'	13.0'	N 11°06.8'	10.2'	55.9'
9	303°44.2'	312°28.1'	S 3°45.9'	261°10.9'	12.9'	N 11°16.9'	10.1'	56.0'
10	318°46.6'	327°28.2'	S 3°44.9'	275°42.8'	12.9'	N 11°27.1'	10.1'	56.0'
11	333°49.1'	342°28.4'	S 3°43.9'	290°14.7'	12.8'	N 11°37.1'	10.0'	56.0'
12	348°51.5'	357°28.6'	S 3°43.0'	304°46.4'	12.7'	N 11°47.2'	10.0'	56.0'
13	3°54.0'	12°28.7'	S 3°42.0'	319°18.2'	12.7'	N 11°57.1'	9.9'	56.1'
14	18°56.5'	27°28.9'	S 3°41.0'	333°49.8'	12.6'	N 12°07.1'	9.9'	56.1'
15	33°58.9'	42°29.1'	S 3°40.0'	348°21.5'	12.5'	N 12°17.0'	9.8'	56.1'
16	49°01.4'	57°29.2'	S 3°39.0'	2°53.0'	12.5'	N 12°26.8'	9.8'	56.1'
17	64°03.9'	72°29.4'	S 3°38.1'	17°24.5'	12.4'	N 12°36.6'	9.7'	56.2'
18	79°06.3'	87°29.5'	S 3°37.1'	31°55.9'	12.4'	N 12°46.3'	9.7'	56.2'
19	94°08.8'	102°29.7'	S 3°36.1'	46°27.2'	12.3'	N 12°56.0'	9.6'	56.2'
20	109°11.3'	117°29.9'	S 3°35.1'	60°58.5'	12.2'	N 13°05.6'	9.6'	56.2'
21	124°13.7'	132°30.0'	S 3°34.1'	75°29.8'	12.2'	N 13°15.2'	9.5'	56.3'
22	139°16.2'	147°30.2'	S 3°33.1'	90°00.9'	12.1'	N 13°24.7'	9.5'	56.3'
23	154°18.6'	162°30.4'	S 3°32.2'	104°32.0'	12.0'	N 13°34.2'	9.4'	56.3'

Tue Mar 12, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	169°21.1'	177°30.5'	S 3°31.2'	119°03.0'	11.9'	N 13°43.6'	9.3'	56.3'
1	184°23.6'	192°30.7'	S 3°30.2'	133°34.0'	11.9'	N 13°52.9'	9.3'	56.4'
2	199°26.0'	207°30.9'	S 3°29.2'	148°04.8'	11.8'	N 14°02.2'	9.2'	56.4'
3	214°28.5'	222°31.0'	S 3°28.2'	162°35.6'	11.7'	N 14°11.4'	9.2'	56.4'
4	229°31.0'	237°31.2'	S 3°27.2'	177°06.4'	11.7'	N 14°20.6'	9.1'	56.4'
5	244°33.4'	252°31.4'	S 3°26.3'	191°37.1'	11.6'	N 14°29.7'	9.0'	56.5'
6	259°35.9'	267°31.5'	S 3°25.3'	206°07.7'	11.5'	N 14°38.7'	9.0'	56.5'
7	274°38.4'	282°31.7'	S 3°24.3'	220°38.2'	11.5'	N 14°47.7'	8.9'	56.5'
8	289°40.8'	297°31.9'	S 3°23.3'	235°08.6'	11.4'	N 14°56.6'	8.8'	56.5'
9	304°43.3'	312°32.0'	S 3°22.3'	249°39.0'	11.3'	N 15°05.5'	8.8'	56.6'
10	319°45.8'	327°32.2'	S 3°21.3'	264°09.3'	11.2'	N 15°14.3'	8.7'	56.6'
11	334°48.2'	342°32.3'	S 3°20.4'	278°39.6'	11.2'	N 15°23.0'	8.6'	56.6'
12	349°50.7'	357°32.5'	S 3°19.4'	293°09.7'	11.1'	N 15°31.6'	8.6'	56.7'
13	4°53.1'	12°32.7'	S 3°18.4'	307°39.8'	11.0'	N 15°40.2'	8.5'	56.7'
14	19°55.6'	27°32.8'	S 3°17.4'	322°09.8'	10.9'	N 15°48.7'	8.4'	56.7'
15	34°58.1'	42°33.0'	S 3°16.4'	336°39.8'	10.9'	N 15°57.1'	8.3'	56.7'
16	50°00.5'	57°33.2'	S 3°15.4'	351°09.6'	10.8'	N 16°05.4'	8.3'	56.8'
17	65°03.0'	72°33.3'	S 3°14.5'	5°39.4'	10.7'	N 16°13.7'	8.2'	56.8'
18	80°05.5'	87°33.5'	S 3°13.5'	20°09.1'	10.6'	N 16°21.9'	8.1'	56.8'
19	95°07.9'	102°33.7'	S 3°12.5'	34°38.8'	10.6'	N 16°30.0'	8.0'	56.9'
20	110°10.4'	117°33.9'	S 3°11.5'	49°08.3'	10.5'	N 16°38.1'	8.0'	56.9'
21	125°12.9'	132°34.0'	S 3°10.5'	63°37.8'	10.4'	N 16°46.0'	7.9'	56.9'
22	140°15.3'	147°34.2'	S 3°09.5'	78°07.2'	10.3'	N 16°53.9'	7.8'	56.9'
23	155°17.8'	162°34.4'	S 3°08.5'	92°36.5'	10.2'	N 17°01.7'	7.7'	57.0'

Wed Mar 13, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 15.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	170°20.3'	177°34.5'	S 3°07.6'	107°05.8'	10.2'	N 17°09.5'	7.6'	57.0'
1	185°22.7'	192°34.7'	S 3°06.6'	121°35.0'	10.1'	N 17°17.1'	7.6'	57.0'
2	200°25.2'	207°34.9'	S 3°05.6'	136°04.0'	10.0'	N 17°24.6'	7.5'	57.1'
3	215°27.6'	222°35.0'	S 3°04.6'	150°33.1'	9.9'	N 17°32.1'	7.4'	57.1'
4	230°30.1'	237°35.2'	S 3°03.6'	165°02.0'	9.9'	N 17°39.5'	7.3'	57.1'
5	245°32.6'	252°35.4'	S 3°02.6'	179°30.8'	9.8'	N 17°46.8'	7.2'	57.1'
6	260°35.0'	267°35.5'	S 3°01.7'	193°59.6'	9.7'	N 17°54.0'	7.1'	57.2'
7	275°37.5'	282°35.7'	S 3°00.7'	208°28.3'	9.6'	N 18°01.1'	7.0'	57.2'
8	290°40.0'	297°35.9'	S 2°59.7'	222°56.9'	9.5'	N 18°08.2'	6.9'	57.2'
9	305°42.4'	312°36.0'	S 2°58.7'	237°25.5'	9.5'	N 18°15.1'	6.8'	57.3'
10	320°44.9'	327°36.2'	S 2°57.7'	251°53.9'	9.4'	N 18°21.9'	6.8'	57.3'
11	335°47.4'	342°36.4'	S 2°56.7'	266°22.3'	9.3'	N 18°28.7'	6.7'	57.3'
12	350°49.8'	357°36.5'	S 2°55.7'	280°50.6'	9.2'	N 18°35.3'	6.6'	57.4'
13	5°52.3'	12°36.7'	S 2°54.8'	295°18.8'	9.1'	N 18°41.9'	6.5'	57.4'
14	20°54.7'	27°36.9'	S 2°53.8'	309°47.0'	9.1'	N 18°48.4'	6.4'	57.4'
15	35°57.2'	42°37.1'	S 2°52.8'	324°15.0'	9.0'	N 18°54.7'	6.3'	57.4'
16	50°59.7'	57°37.2'	S 2°51.8'	338°43.0'	8.9'	N 19°01.0'	6.2'	57.5'
17	66°02.1'	72°37.4'	S 2°50.8'	353°10.9'	8.8'	N 19°07.2'	6.1'	57.5'
18	81°04.6'	87°37.6'	S 2°49.8'	7°38.7'	8.7'	N 19°13.2'	6.0'	57.5'
19	96°07.1'	102°37.7'	S 2°48.8'	22°06.5'	8.7'	N 19°19.2'	5.9'	57.6'
20	111°09.5'	117°37.9'	S 2°47.9'	36°34.1'	8.6'	N 19°25.0'	5.8'	57.6'
21	126°12.0'	132°38.1'	S 2°46.9'	51°01.7'	8.5'	N 19°30.8'	5.6'	57.6'
22	141°14.5'	147°38.2'	S 2°45.9'	65°29.2'	8.4'	N 19°36.4'	5.5'	57.7'
23	156°16.9'	162°38.4'	S 2°44.9'	79°56.7'	8.4'	N 19°42.0'	5.4'	57.7'

Thu Mar 14, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 15.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	171°19.4'	177°38.6'	S 2°43.9'	94°24.0'	8.3'	N 19°47.4'	5.3'	57.7'
1	186°21.9'	192°38.8'	S 2°42.9'	108°51.3'	8.2'	N 19°52.7'	5.2'	57.8'
2	201°24.3'	207°38.9'	S 2°41.9'	123°18.5'	8.1'	N 19°58.0'	5.1'	57.8'
3	216°26.8'	222°39.1'	S 2°41.0'	137°45.6'	8.0'	N 20°03.1'	5.0'	57.8'
4	231°29.2'	237°39.3'	S 2°40.0'	152°12.7'	8.0'	N 20°08.1'	4.9'	57.9'
5	246°31.7'	252°39.4'	S 2°39.0'	166°39.6'	7.9'	N 20°12.9'	4.8'	57.9'
6	261°34.2'	267°39.6'	S 2°38.0'	181°06.5'	7.8'	N 20°17.7'	4.7'	57.9'
7	276°36.6'	282°39.8'	S 2°37.0'	195°33.3'	7.7'	N 20°22.4'	4.5'	58.0'
8	291°39.1'	297°40.0'	S 2°36.0'	210°00.1'	7.7'	N 20°26.9'	4.4'	58.0'
9	306°41.6'	312°40.1'	S 2°35.0'	224°26.7'	7.6'	N 20°31.3'	4.3'	58.0'
10	321°44.0'	327°40.3'	S 2°34.1'	238°53.3'	7.5'	N 20°35.6'	4.2'	58.1'
11	336°46.5'	342°40.5'	S 2°33.1'	253°19.9'	7.4'	N 20°39.8'	4.1'	58.1'
12	351°49.0'	357°40.7'	S 2°32.1'	267°46.3'	7.4'	N 20°43.9'	3.9'	58.1'
13	6°51.4'	12°40.8'	S 2°31.1'	282°12.7'	7.3'	N 20°47.8'	3.8'	58.1'
14	21°53.9'	27°41.0'	S 2°30.1'	296°39.0'	7.2'	N 20°51.6'	3.7'	58.2'
15	36°56.4'	42°41.2'	S 2°29.1'	311°05.2'	7.2'	N 20°55.3'	3.6'	58.2'
16	51°58.8'	57°41.3'	S 2°28.1'	325°31.4'	7.1'	N 20°58.9'	3.4'	58.2'
17	67°01.3'	72°41.5'	S 2°27.2'	339°57.5'	7.0'	N 21°02.3'	3.3'	58.3'
18	82°03.7'	87°41.7'	S 2°26.2'	354°23.5'	7.0'	N 21°05.7'	3.2'	58.3'
19	97°06.2'	102°41.9'	S 2°25.2'	8°49.5'	6.9'	N 21°08.9'	3.1'	58.3'
20	112°08.7'	117°42.0'	S 2°24.2'	23°15.4'	6.8'	N 21°11.9'	2.9'	58.4'
21	127°11.1'	132°42.2'	S 2°23.2'	37°41.2'	6.8'	N 21°14.9'	2.8'	58.4'
22	142°13.6'	147°42.4'	S 2°22.2'	52°07.0'	6.7'	N 21°17.7'	2.7'	58.4'
23	157°16.1'	162°42.6'	S 2°21.2'	66°32.7'	6.6'	N 21°20.4'	2.6'	58.5'

Fri Mar 15, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	172°18.5'	177°42.7'	S 2°20.2'	80°58.3'	6.6'	N 21°22.9'	2.4'	58.5'
1	187°21.0'	192°42.9'	S 2°19.3'	95°23.9'	6.5'	N 21°25.3'	2.3'	58.5'
2	202°23.5'	207°43.1'	S 2°18.3'	109°49.4'	6.4'	N 21°27.6'	2.2'	58.6'
3	217°25.9'	222°43.3'	S 2°17.3'	124°14.8'	6.4'	N 21°29.8'	2.0'	58.6'
4	232°28.4'	237°43.4'	S 2°16.3'	138°40.2'	6.3'	N 21°31.8'	1.9'	58.6'
5	247°30.8'	252°43.6'	S 2°15.3'	153°05.5'	6.3'	N 21°33.7'	1.8'	58.7'
6	262°33.3'	267°43.8'	S 2°14.3'	167°30.8'	6.2'	N 21°35.5'	1.6'	58.7'
7	277°35.8'	282°43.9'	S 2°13.3'	181°56.0'	6.2'	N 21°37.1'	1.5'	58.7'
8	292°38.2'	297°44.1'	S 2°12.4'	196°21.2'	6.1'	N 21°38.6'	1.3'	58.8'
9	307°40.7'	312°44.3'	S 2°11.4'	210°46.3'	6.0'	N 21°39.9'	1.2'	58.8'
10	322°43.2'	327°44.5'	S 2°10.4'	225°11.3'	6.0'	N 21°41.1'	1.1'	58.8'
11	337°45.6'	342°44.6'	S 2°09.4'	239°36.3'	5.9'	N 21°42.2'	0.9'	58.9'
12	352°48.1'	357°44.8'	S 2°08.4'	254°01.3'	5.9'	N 21°43.1'	0.8'	58.9'
13	7°50.6'	12°45.0'	S 2°07.4'	268°26.1'	5.8'	N 21°43.9'	0.6'	58.9'
14	22°53.0'	27°45.2'	S 2°06.4'	282°51.0'	5.8'	N 21°44.5'	0.5'	59.0'
15	37°55.5'	42°45.3'	S 2°05.4'	297°15.8'	5.8'	N 21°45.0'	0.4'	59.0'
16	52°58.0'	57°45.5'	S 2°04.5'	311°40.5'	5.7'	N 21°45.4'	0.2'	59.0'
17	68°00.4'	72°45.7'	S 2°03.5'	326°05.3'	5.7'	N 21°45.6'	0.1'	59.1'
18	83°02.9'	87°45.9'	S 2°02.5'	340°29.9'	5.6'	N 21°45.7'	0.1'	59.1'
19	98°05.3'	102°46.1'	S 2°01.5'	354°54.5'	5.6'	N 21°45.6'	0.2'	59.1'
20	113°07.8'	117°46.2'	S 2°00.5'	9°19.1'	5.5'	N 21°45.4'	0.4'	59.2'
21	128°10.3'	132°46.4'	S 1°59.5'	23°43.7'	5.5'	N 21°45.1'	0.5'	59.2'
22	143°12.7'	147°46.6'	S 1°58.5'	38°08.1'	5.5'	N 21°44.6'	0.6'	59.2'
23	158°15.2'	162°46.8'	S 1°57.5'	52°32.6'	5.4'	N 21°43.9'	0.8'	59.2'

Sat Mar 16, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	173°17.7'	177°46.9'	S 1°56.6'	66°57.0'	5.4'	N 21°43.1'	0.9'	59.3'
1	188°20.1'	192°47.1'	S 1°55.6'	81°21.4'	5.4'	N 21°42.2'	1.1'	59.3'
2	203°22.6'	207°47.3'	S 1°54.6'	95°45.8'	5.3'	N 21°41.1'	1.2'	59.3'
3	218°25.1'	222°47.5'	S 1°53.6'	110°10.1'	5.3'	N 21°39.9'	1.4'	59.4'
4	233°27.5'	237°47.6'	S 1°52.6'	124°34.4'	5.3'	N 21°38.5'	1.5'	59.4'
5	248°30.0'	252°47.8'	S 1°51.6'	138°58.7'	5.2'	N 21°37.0'	1.7'	59.4'
6	263°32.5'	267°48.0'	S 1°50.6'	153°22.9'	5.2'	N 21°35.3'	1.8'	59.5'
7	278°34.9'	282°48.2'	S 1°49.6'	167°47.1'	5.2'	N 21°33.5'	2.0'	59.5'
8	293°37.4'	297°48.3'	S 1°48.7'	182°11.3'	5.2'	N 21°31.5'	2.1'	59.5'
9	308°39.8'	312°48.5'	S 1°47.7'	196°35.5'	5.1'	N 21°29.4'	2.3'	59.6'
10	323°42.3'	327°48.7'	S 1°46.7'	210°59.6'	5.1'	N 21°27.2'	2.4'	59.6'
11	338°44.8'	342°48.9'	S 1°45.7'	225°23.7'	5.1'	N 21°24.7'	2.6'	59.6'
12	353°47.2'	357°49.1'	S 1°44.7'	239°47.8'	5.1'	N 21°22.2'	2.7'	59.6'
13	8°49.7'	12°49.2'	S 1°43.7'	254°11.9'	5.1'	N 21°19.5'	2.9'	59.7'
14	23°52.2'	27°49.4'	S 1°42.7'	268°36.0'	5.1'	N 21°16.6'	3.0'	59.7'
15	38°54.6'	42°49.6'	S 1°41.7'	283°00.0'	5.0'	N 21°13.6'	3.2'	59.7'
16	53°57.1'	57°49.8'	S 1°40.7'	297°24.1'	5.0'	N 21°10.5'	3.3'	59.8'
17	68°59.6'	72°49.9'	S 1°39.8'	311°48.1'	5.0'	N 21°07.2'	3.4'	59.8'
18	84°02.0'	87°50.1'	S 1°38.8'	326°12.1'	5.0'	N 21°03.7'	3.6'	59.8'
19	99°04.5'	102°50.3'	S 1°37.8'	340°36.1'	5.0'	N 21°00.1'	3.7'	59.9'
20	114°07.0'	117°50.5'	S 1°36.8'	355°00.1'	5.0'	N 20°56.4'	3.9'	59.9'
21	129°09.4'	132°50.7'	S 1°35.8'	9°24.1'	5.0'	N 20°52.5'	4.0'	59.9'
22	144°11.9'	147°50.8'	S 1°34.8'	23°48.1'	5.0'	N 20°48.5'	4.2'	59.9'
23	159°14.3'	162°51.0'	S 1°33.8'	38°12.1'	5.0'	N 20°44.3'	4.3'	60.0'

Sun Mar 17, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	174°16.8'	177°51.2'	S 1°32.8'	52°36.1'	5.0'	N 20°39.9'	4.5'	60.0'
1	189°19.3'	192°51.4'	S 1°31.9'	67°00.1'	5.0'	N 20°35.5'	4.6'	60.0'
2	204°21.7'	207°51.6'	S 1°30.9'	81°24.0'	5.0'	N 20°30.8'	4.8'	60.0'
3	219°24.2'	222°51.7'	S 1°29.9'	95°48.0'	5.0'	N 20°26.1'	4.9'	60.1'
4	234°26.7'	237°51.9'	S 1°28.9'	110°12.0'	5.0'	N 20°21.1'	5.1'	60.1'
5	249°29.1'	252°52.1'	S 1°27.9'	124°36.0'	5.0'	N 20°16.1'	5.2'	60.1'
6	264°31.6'	267°52.3'	S 1°26.9'	138°60.0'	5.0'	N 20°10.9'	5.4'	60.2'
7	279°34.1'	282°52.5'	S 1°25.9'	153°24.0'	5.0'	N 20°05.5'	5.5'	60.2'
8	294°36.5'	297°52.6'	S 1°24.9'	167°48.0'	5.0'	N 20°00.0'	5.6'	60.2'
9	309°39.0'	312°52.8'	S 1°24.0'	182°12.0'	5.0'	N 19°54.4'	5.8'	60.2'
10	324°41.4'	327°53.0'	S 1°23.0'	196°36.1'	5.0'	N 19°48.6'	5.9'	60.3'
11	339°43.9'	342°53.2'	S 1°22.0'	211°00.1'	5.1'	N 19°42.7'	6.1'	60.3'
12	354°46.4'	357°53.4'	S 1°21.0'	225°24.2'	5.1'	N 19°36.6'	6.2'	60.3'
13	9°48.8'	12°53.5'	S 1°20.0'	239°48.3'	5.1'	N 19°30.4'	6.4'	60.3'
14	24°51.3'	27°53.7'	S 1°19.0'	254°12.4'	5.1'	N 19°24.0'	6.5'	60.3'
15	39°53.8'	42°53.9'	S 1°18.0'	268°36.5'	5.1'	N 19°17.5'	6.6'	60.4'
16	54°56.2'	57°54.1'	S 1°17.0'	283°00.6'	5.2'	N 19°10.9'	6.8'	60.4'
17	69°58.7'	72°54.3'	S 1°16.0'	297°24.8'	5.2'	N 19°04.1'	6.9'	60.4'
18	85°01.2'	87°54.4'	S 1°15.1'	311°48.9'	5.2'	N 18°57.2'	7.0'	60.4'
19	100°03.6'	102°54.6'	S 1°14.1'	326°13.1'	5.2'	N 18°50.2'	7.2'	60.5'
20	115°06.1'	117°54.8'	S 1°13.1'	340°37.4'	5.2'	N 18°43.0'	7.3'	60.5'
21	130°08.6'	132°55.0'	S 1°12.1'	355°01.6'	5.3'	N 18°35.7'	7.4'	60.5'
22	145°11.0'	147°55.2'	S 1°11.1'	9°25.9'	5.3'	N 18°28.3'	7.6'	60.5'
23	160°13.5'	162°55.3'	S 1°10.1'	23°50.2'	5.3'	N 18°20.7'	7.7'	60.5'

Mon Mar 18, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	175°15.9'	177°55.5'	S 1°09.1'	38°14.5'	5.4'	N 18°13.0'	7.8'	60.6'
1	190°18.4'	192°55.7'	S 1°08.1'	52°38.8'	5.4'	N 18°05.1'	8.0'	60.6'
2	205°20.9'	207°55.9'	S 1°07.2'	67°03.2'	5.4'	N 17°57.1'	8.1'	60.6'
3	220°23.3'	222°56.1'	S 1°06.2'	81°27.6'	5.4'	N 17°49.0'	8.2'	60.6'
4	235°25.8'	237°56.2'	S 1°05.2'	95°52.1'	5.5'	N 17°40.8'	8.4'	60.6'
5	250°28.3'	252°56.4'	S 1°04.2'	110°16.5'	5.5'	N 17°32.4'	8.5'	60.7'
6	265°30.7'	267°56.6'	S 1°03.2'	124°41.1'	5.5'	N 17°24.0'	8.6'	60.7'
7	280°33.2'	282°56.8'	S 1°02.2'	139°05.6'	5.6'	N 17°15.3'	8.7'	60.7'
8	295°35.7'	297°57.0'	S 1°01.2'	153°30.2'	5.6'	N 17°06.6'	8.9'	60.7'
9	310°38.1'	312°57.2'	S 1°00.2'	167°54.8'	5.7'	N 16°57.7'	9.0'	60.7'
10	325°40.6'	327°57.3'	S 0°59.2'	182°19.4'	5.7'	N 16°48.8'	9.1'	60.7'
11	340°43.1'	342°57.5'	S 0°58.3'	196°44.1'	5.7'	N 16°39.7'	9.2'	60.8'
12	355°45.5'	357°57.7'	S 0°57.3'	211°08.8'	5.8'	N 16°30.4'	9.3'	60.8'
13	10°48.0'	12°57.9'	S 0°56.3'	225°33.6'	5.8'	N 16°21.1'	9.5'	60.8'
14	25°50.4'	27°58.1'	S 0°55.3'	239°58.4'	5.8'	N 16°11.6'	9.6'	60.8'
15	40°52.9'	42°58.2'	S 0°54.3'	254°23.3'	5.9'	N 16°02.0'	9.7'	60.8'
16	55°55.4'	57°58.4'	S 0°53.3'	268°48.1'	5.9'	N 15°52.4'	9.8'	60.8'
17	70°57.8'	72°58.6'	S 0°52.3'	283°13.1'	6.0'	N 15°42.6'	9.9'	60.8'
18	86°00.3'	87°58.8'	S 0°51.3'	297°38.0'	6.0'	N 15°32.6'	10.0'	60.9'
19	101°02.8'	102°59.0'	S 0°50.4'	312°03.0'	6.1'	N 15°22.6'	10.1'	60.9'
20	116°05.2'	117°59.2'	S 0°49.4'	326°28.1'	6.1'	N 15°12.5'	10.2'	60.9'
21	131°07.7'	132°59.3'	S 0°48.4'	340°53.2'	6.1'	N 15°02.2'	10.3'	60.9'
22	146°10.2'	147°59.5'	S 0°47.4'	355°18.3'	6.2'	N 14°51.9'	10.5'	60.9'
23	161°12.6'	162°59.7'	S 0°46.4'	9°43.5'	6.2'	N 14°41.4'	10.6'	60.9'

Tue Mar 19, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	176°15.1'	177°59.9'	S 0°45.4'	24°08.7'	6.3'	N 14°30.9'	10.7'	60.9'
1	191°17.5'	193°00.1'	S 0°44.4'	38°34.0'	6.3'	N 14°20.2'	10.8'	60.9'
2	206°20.0'	208°00.3'	S 0°43.4'	52°59.3'	6.4'	N 14°09.4'	10.9'	60.9'
3	221°22.5'	223°00.4'	S 0°42.4'	67°24.7'	6.4'	N 13°58.6'	11.0'	60.9'
4	236°24.9'	238°00.6'	S 0°41.5'	81°50.1'	6.5'	N 13°47.6'	11.1'	61.0'
5	251°27.4'	253°00.8'	S 0°40.5'	96°15.6'	6.5'	N 13°36.6'	11.1'	61.0'
6	266°29.9'	268°01.0'	S 0°39.5'	110°41.1'	6.6'	N 13°25.4'	11.2'	61.0'
7	281°32.3'	283°01.2'	S 0°38.5'	125°06.6'	6.6'	N 13°14.2'	11.3'	61.0'
8	296°34.8'	298°01.4'	S 0°37.5'	139°32.2'	6.6'	N 13°02.8'	11.4'	61.0'
9	311°37.3'	313°01.5'	S 0°36.5'	153°57.9'	6.7'	N 12°51.4'	11.5'	61.0'
10	326°39.7'	328°01.7'	S 0°35.5'	168°23.6'	6.7'	N 12°39.9'	11.6'	61.0'
11	341°42.2'	343°01.9'	S 0°34.5'	182°49.3'	6.8'	N 12°28.3'	11.7'	61.0'
12	356°44.7'	358°02.1'	S 0°33.6'	197°15.1'	6.8'	N 12°16.6'	11.8'	61.0'
13	11°47.1'	13°02.3'	S 0°32.6'	211°40.9'	6.9'	N 12°04.9'	11.9'	61.0'
14	26°49.6'	28°02.5'	S 0°31.6'	226°06.8'	6.9'	N 11°53.0'	11.9'	61.0'
15	41°52.0'	43°02.6'	S 0°30.6'	240°32.8'	7.0'	N 11°41.1'	12.0'	61.0'
16	56°54.5'	58°02.8'	S 0°29.6'	254°58.7'	7.0'	N 11°29.1'	12.1'	61.0'
17	71°57.0'	73°03.0'	S 0°28.6'	269°24.8'	7.1'	N 11°17.0'	12.2'	61.0'
18	86°59.4'	88°03.2'	S 0°27.6'	283°50.8'	7.1'	N 11°04.8'	12.2'	61.0'
19	102°01.9'	103°03.4'	S 0°26.6'	298°17.0'	7.2'	N 10°52.6'	12.3'	61.0'
20	117°04.4'	118°03.6'	S 0°25.6'	312°43.1'	7.2'	N 10°40.3'	12.4'	61.0'
21	132°06.8'	133°03.7'	S 0°24.7'	327°09.4'	7.3'	N 10°27.9'	12.4'	61.0'
22	147°09.3'	148°03.9'	S 0°23.7'	341°35.6'	7.3'	N 10°15.4'	12.5'	61.0'
23	162°11.8'	163°04.1'	S 0°22.7'	356°02.0'	7.4'	N 10°02.9'	12.6'	61.0'

Wed Mar 20, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	177°14.2'	178°04.3'	S 0°21.7'	10°28.3'	7.4'	N 9°50.3'	12.6'	61.0'
1	192°16.7'	193°04.5'	S 0°20.7'	24°54.7'	7.5'	N 9°37.7'	12.7'	61.0'
2	207°19.2'	208°04.7'	S 0°19.7'	39°21.2'	7.5'	N 9°25.0'	12.8'	61.0'
3	222°21.6'	223°04.9'	S 0°18.7'	53°47.7'	7.6'	N 9°12.2'	12.8'	61.0'
4	237°24.1'	238°05.0'	S 0°17.7'	68°14.2'	7.6'	N 8°59.4'	12.9'	61.0'
5	252°26.5'	253°05.2'	S 0°16.8'	82°40.8'	7.6'	N 8°46.5'	12.9'	61.0'
6	267°29.0'	268°05.4'	S 0°15.8'	97°07.5'	7.7'	N 8°33.6'	13.0'	61.0'
7	282°31.5'	283°05.6'	S 0°14.8'	111°34.2'	7.7'	N 8°20.6'	13.0'	61.0'
8	297°33.9'	298°05.8'	S 0°13.8'	126°00.9'	7.8'	N 8°07.6'	13.1'	61.0'
9	312°36.4'	313°06.0'	S 0°12.8'	140°27.7'	7.8'	N 7°54.5'	13.1'	61.0'
10	327°38.9'	328°06.1'	S 0°11.8'	154°54.5'	7.9'	N 7°41.3'	13.2'	61.0'
11	342°41.3'	343°06.3'	S 0°10.8'	169°21.4'	7.9'	N 7°28.1'	13.2'	60.9'
12	357°43.8'	358°06.5'	S 0°09.8'	183°48.3'	8.0'	N 7°14.9'	13.3'	60.9'
13	12°46.3'	13°06.7'	S 0°08.9'	198°15.3'	8.0'	N 7°01.6'	13.3'	60.9'
14	27°48.7'	28°06.9'	S 0°07.9'	212°42.3'	8.0'	N 6°48.3'	13.4'	60.9'
15	42°51.2'	43°07.1'	S 0°06.9'	227°09.3'	8.1'	N 6°35.0'	13.4'	60.9'
16	57°53.6'	58°07.3'	S 0°05.9'	241°36.4'	8.1'	N 6°21.6'	13.4'	60.9'
17	72°56.1'	73°07.4'	S 0°04.9'	256°03.6'	8.2'	N 6°08.1'	13.5'	60.9'
18	87°58.6'	88°07.6'	S 0°03.9'	270°30.7'	8.2'	N 5°54.7'	13.5'	60.9'
19	103°01.0'	103°07.8'	S 0°02.9'	284°58.0'	8.3'	N 5°41.2'	13.5'	60.9'
20	118°03.5'	118°08.0'	S 0°01.9'	299°25.2'	8.3'	N 5°27.7'	13.6'	60.8'
21	133°06.0'	133°08.2'	S 0°00.9'	313°52.5'	8.3'	N 5°14.1'	13.6'	60.8'
22	148°08.4'	148°08.4'	N 0°00.0'	328°19.9'	8.4'	N 5°00.5'	13.6'	60.8'
23	163°10.9'	163°08.6'	N 0°01.0'	342°47.3'	8.4'	N 4°46.9'	13.6'	60.8'

Thu Mar 21, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	178°13.4'	178°08.7'	N 0°02.0'	357°14.7'	8.5'	N 4°33.3'	13.7'	60.8'
1	193°15.8'	193°08.9'	N 0°03.0'	11°42.1'	8.5'	N 4°19.6'	13.7'	60.8'
2	208°18.3'	208°09.1'	N 0°04.0'	26°09.6'	8.5'	N 4°06.0'	13.7'	60.8'
3	223°20.8'	223°09.3'	N 0°05.0'	40°37.2'	8.6'	N 3°52.3'	13.7'	60.7'
4	238°23.2'	238°09.5'	N 0°06.0'	55°04.8'	8.6'	N 3°38.6'	13.7'	60.7'
5	253°25.7'	253°09.7'	N 0°07.0'	69°32.4'	8.7'	N 3°24.8'	13.7'	60.7'
6	268°28.1'	268°09.9'	N 0°07.9'	84°00.0'	8.7'	N 3°11.1'	13.7'	60.7'
7	283°30.6'	283°10.1'	N 0°08.9'	98°27.7'	8.7'	N 2°57.4'	13.8'	60.7'
8	298°33.1'	298°10.2'	N 0°09.9'	112°55.4'	8.8'	N 2°43.6'	13.8'	60.7'
9	313°35.5'	313°10.4'	N 0°10.9'	127°23.2'	8.8'	N 2°29.8'	13.8'	60.6'
10	328°38.0'	328°10.6'	N 0°11.9'	141°51.0'	8.8'	N 2°16.1'	13.8'	60.6'
11	343°40.5'	343°10.8'	N 0°12.9'	156°18.8'	8.9'	N 2°02.3'	13.8'	60.6'
12	358°42.9'	358°11.0'	N 0°13.9'	170°46.7'	8.9'	N 1°48.5'	13.8'	60.6'
13	13°45.4'	13°11.2'	N 0°14.8'	185°14.6'	8.9'	N 1°34.7'	13.8'	60.5'
14	28°47.9'	28°11.4'	N 0°15.8'	199°42.5'	9.0'	N 1°20.9'	13.8'	60.5'
15	43°50.3'	43°11.5'	N 0°16.8'	214°10.4'	9.0'	N 1°07.1'	13.8'	60.5'
16	58°52.8'	58°11.7'	N 0°17.8'	228°38.4'	9.0'	N 0°53.4'	13.8'	60.5'
17	73°55.2'	73°11.9'	N 0°18.8'	243°06.5'	9.0'	N 0°39.6'	13.8'	60.5'
18	88°57.7'	88°12.1'	N 0°19.8'	257°34.5'	9.1'	N 0°25.8'	13.8'	60.4'
19	104°00.2'	103°12.3'	N 0°20.8'	272°02.6'	9.1'	N 0°12.1'	13.8'	60.4'
20	119°02.6'	118°12.5'	N 0°21.8'	286°30.7'	9.1'	S 0°01.7'	13.7'	60.4'
21	134°05.1'	133°12.7'	N 0°22.7'	300°58.8'	9.2'	S 0°15.4'	13.7'	60.4'
22	149°07.6'	148°12.9'	N 0°23.7'	315°27.0'	9.2'	S 0°29.2'	13.7'	60.3'
23	164°10.0'	163°13.0'	N 0°24.7'	329°55.2'	9.2'	S 0°42.9'	13.7'	60.3'

Fri Mar 22, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.1'		SD = 16.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	179°12.5'	178°13.2'	N 0°25.7'	344°23.4'	9.2'	S 0°56.6'	13.7'	60.3'
1	194°15.0'	193°13.4'	N 0°26.7'	358°51.6'	9.3'	S 1°10.2'	13.7'	60.3'
2	209°17.4'	208°13.6'	N 0°27.7'	13°19.9'	9.3'	S 1°23.9'	13.6'	60.2'
3	224°19.9'	223°13.8'	N 0°28.7'	27°48.2'	9.3'	S 1°37.6'	13.6'	60.2'
4	239°22.4'	238°14.0'	N 0°29.7'	42°16.5'	9.3'	S 1°51.2'	13.6'	60.2'
5	254°24.8'	253°14.2'	N 0°30.6'	56°44.9'	9.4'	S 2°04.8'	13.6'	60.2'
6	269°27.3'	268°14.3'	N 0°31.6'	71°13.2'	9.4'	S 2°18.3'	13.5'	60.1'
7	284°29.7'	283°14.5'	N 0°32.6'	85°41.6'	9.4'	S 2°31.9'	13.5'	60.1'
8	299°32.2'	298°14.7'	N 0°33.6'	100°10.0'	9.4'	S 2°45.4'	13.5'	60.1'
9	314°34.7'	313°14.9'	N 0°34.6'	114°38.4'	9.5'	S 2°58.9'	13.5'	60.0'
10	329°37.1'	328°15.1'	N 0°35.6'	129°06.9'	9.5'	S 3°12.3'	13.4'	60.0'
11	344°39.6'	343°15.3'	N 0°36.6'	143°35.4'	9.5'	S 3°25.8'	13.4'	60.0'
12	359°42.1'	358°15.5'	N 0°37.5'	158°03.9'	9.5'	S 3°39.2'	13.4'	59.9'
13	14°44.5'	13°15.7'	N 0°38.5'	172°32.4'	9.5'	S 3°52.5'	13.3'	59.9'
14	29°47.0'	28°15.8'	N 0°39.5'	187°00.9'	9.5'	S 4°05.8'	13.3'	59.9'
15	44°49.5'	43°16.0'	N 0°40.5'	201°29.4'	9.6'	S 4°19.1'	13.2'	59.9'
16	59°51.9'	58°16.2'	N 0°41.5'	215°58.0'	9.6'	S 4°32.4'	13.2'	59.8'
17	74°54.4'	73°16.4'	N 0°42.5'	230°26.6'	9.6'	S 4°45.6'	13.2'	59.8'
18	89°56.8'	88°16.6'	N 0°43.5'	244°55.2'	9.6'	S 4°58.7'	13.1'	59.8'
19	104°59.3'	103°16.8'	N 0°44.4'	259°23.8'	9.6'	S 5°11.8'	13.1'	59.7'
20	120°01.8'	118°17.0'	N 0°45.4'	273°52.4'	9.6'	S 5°24.9'	13.0'	59.7'
21	135°04.2'	133°17.2'	N 0°46.4'	288°21.1'	9.7'	S 5°37.9'	13.0'	59.7'
22	150°06.7'	148°17.4'	N 0°47.4'	302°49.7'	9.7'	S 5°50.9'	12.9'	59.6'
23	165°09.2'	163°17.5'	N 0°48.4'	317°18.4'	9.7'	S 6°03.8'	12.9'	59.6'

Sat Mar 23, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 16.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	180°11.6'	178°17.7'	N 0°49.4'	331°47.1'	9.7'	S 6°16.7'	12.8'	59.6'
1	195°14.1'	193°17.9'	N 0°50.4'	346°15.8'	9.7'	S 6°29.5'	12.8'	59.5'
2	210°16.6'	208°18.1'	N 0°51.3'	0°44.5'	9.7'	S 6°42.3'	12.7'	59.5'
3	225°19.0'	223°18.3'	N 0°52.3'	15°13.2'	9.7'	S 6°55.0'	12.7'	59.5'
4	240°21.5'	238°18.5'	N 0°53.3'	29°41.9'	9.7'	S 7°07.7'	12.6'	59.4'
5	255°24.0'	253°18.7'	N 0°54.3'	44°10.7'	9.8'	S 7°20.3'	12.6'	59.4'
6	270°26.4'	268°18.9'	N 0°55.3'	58°39.4'	9.8'	S 7°32.9'	12.5'	59.3'
7	285°28.9'	283°19.0'	N 0°56.3'	73°08.2'	9.8'	S 7°45.4'	12.4'	59.3'
8	300°31.3'	298°19.2'	N 0°57.3'	87°37.0'	9.8'	S 7°57.8'	12.4'	59.3'
9	315°33.8'	313°19.4'	N 0°58.2'	102°05.8'	9.8'	S 8°10.2'	12.3'	59.2'
10	330°36.3'	328°19.6'	N 0°59.2'	116°34.5'	9.8'	S 8°22.5'	12.3'	59.2'
11	345°38.7'	343°19.8'	N 1°00.2'	131°03.3'	9.8'	S 8°34.8'	12.2'	59.2'
12	0°41.2'	358°20.0'	N 1°01.2'	145°32.2'	9.8'	S 8°46.9'	12.1'	59.1'
13	15°43.7'	13°20.2'	N 1°02.2'	160°01.0'	9.8'	S 8°59.1'	12.1'	59.1'
14	30°46.1'	28°20.4'	N 1°03.2'	174°29.8'	9.8'	S 9°11.1'	12.0'	59.1'
15	45°48.6'	43°20.6'	N 1°04.2'	188°58.6'	9.8'	S 9°23.1'	11.9'	59.0'
16	60°51.1'	58°20.7'	N 1°05.1'	203°27.4'	9.8'	S 9°35.0'	11.9'	59.0'
17	75°53.5'	73°20.9'	N 1°06.1'	217°56.3'	9.8'	S 9°46.9'	11.8'	58.9'
18	90°56.0'	88°21.1'	N 1°07.1'	232°25.1'	9.8'	S 9°58.7'	11.7'	58.9'
19	105°58.5'	103°21.3'	N 1°08.1'	246°54.0'	9.9'	S 10°10.4'	11.6'	58.9'
20	121°00.9'	118°21.5'	N 1°09.1'	261°22.8'	9.9'	S 10°22.0'	11.6'	58.8'
21	136°03.4'	133°21.7'	N 1°10.1'	275°51.7'	9.9'	S 10°33.6'	11.5'	58.8'
22	151°05.8'	148°21.9'	N 1°11.1'	290°20.6'	9.9'	S 10°45.0'	11.4'	58.8'
23	166°08.3'	163°22.1'	N 1°12.0'	304°49.4'	9.9'	S 10°56.5'	11.3'	58.7'

Sun Mar 24, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 15.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	181°10.8'	178°22.2'	N 1°13.0'	319°18.3'	9.9'	S 11°07.8'	11.3'	58.7'
1	196°13.2'	193°22.4'	N 1°14.0'	333°47.2'	9.9'	S 11°19.0'	11.2'	58.6'
2	211°15.7'	208°22.6'	N 1°15.0'	348°16.0'	9.9'	S 11°30.2'	11.1'	58.6'
3	226°18.2'	223°22.8'	N 1°16.0'	2°44.9'	9.9'	S 11°41.3'	11.0'	58.6'
4	241°20.6'	238°23.0'	N 1°17.0'	17°13.8'	9.9'	S 11°52.3'	10.9'	58.5'
5	256°23.1'	253°23.2'	N 1°17.9'	31°42.7'	9.9'	S 12°03.3'	10.9'	58.5'
6	271°25.6'	268°23.4'	N 1°18.9'	46°11.6'	9.9'	S 12°14.1'	10.8'	58.4'
7	286°28.0'	283°23.6'	N 1°19.9'	60°40.4'	9.9'	S 12°24.9'	10.7'	58.4'
8	301°30.5'	298°23.8'	N 1°20.9'	75°09.3'	9.9'	S 12°35.6'	10.6'	58.4'
9	316°32.9'	313°23.9'	N 1°21.9'	89°38.2'	9.9'	S 12°46.2'	10.5'	58.3'
10	331°35.4'	328°24.1'	N 1°22.9'	104°07.1'	9.9'	S 12°56.7'	10.4'	58.3'
11	346°37.9'	343°24.3'	N 1°23.9'	118°36.0'	9.9'	S 13°07.2'	10.3'	58.2'
12	1°40.3'	358°24.5'	N 1°24.8'	133°04.9'	9.9'	S 13°17.5'	10.3'	58.2'
13	16°42.8'	13°24.7'	N 1°25.8'	147°33.8'	9.9'	S 13°27.8'	10.2'	58.2'
14	31°45.3'	28°24.9'	N 1°26.8'	162°02.7'	9.9'	S 13°37.9'	10.1'	58.1'
15	46°47.7'	43°25.1'	N 1°27.8'	176°31.6'	9.9'	S 13°48.0'	10.0'	58.1'
16	61°50.2'	58°25.3'	N 1°28.8'	191°00.5'	9.9'	S 13°58.0'	9.9'	58.1'
17	76°52.7'	73°25.5'	N 1°29.8'	205°29.3'	9.9'	S 14°07.9'	9.8'	58.0'
18	91°55.1'	88°25.6'	N 1°30.7'	219°58.2'	9.9'	S 14°17.7'	9.7'	58.0'
19	106°57.6'	103°25.8'	N 1°31.7'	234°27.1'	9.9'	S 14°27.4'	9.6'	57.9'
20	122°00.1'	118°26.0'	N 1°32.7'	248°56.0'	9.9'	S 14°37.1'	9.5'	57.9'
21	137°02.5'	133°26.2'	N 1°33.7'	263°24.9'	9.9'	S 14°46.6'	9.4'	57.9'
22	152°05.0'	148°26.4'	N 1°34.7'	277°53.8'	9.9'	S 14°56.0'	9.3'	57.8'
23	167°07.4'	163°26.6'	N 1°35.7'	292°22.7'	9.9'	S 15°05.4'	9.2'	57.8'

Mon Mar 25, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 15.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	182°09.9'	178°26.8'	N 1°36.6'	306°51.6'	9.9'	S 15°14.6'	9.1'	57.7'
1	197°12.4'	193°27.0'	N 1°37.6'	321°20.5'	9.9'	S 15°23.8'	9.1'	57.7'
2	212°14.8'	208°27.2'	N 1°38.6'	335°49.3'	9.9'	S 15°32.8'	9.0'	57.7'
3	227°17.3'	223°27.3'	N 1°39.6'	350°18.2'	9.9'	S 15°41.8'	8.9'	57.6'
4	242°19.8'	238°27.5'	N 1°40.6'	4°47.1'	9.9'	S 15°50.6'	8.8'	57.6'
5	257°22.2'	253°27.7'	N 1°41.6'	19°16.0'	9.9'	S 15°59.4'	8.7'	57.5'
6	272°24.7'	268°27.9'	N 1°42.5'	33°44.9'	9.9'	S 16°08.1'	8.6'	57.5'
7	287°27.2'	283°28.1'	N 1°43.5'	48°13.8'	9.9'	S 16°16.6'	8.5'	57.5'
8	302°29.6'	298°28.3'	N 1°44.5'	62°42.6'	9.9'	S 16°25.1'	8.4'	57.4'
9	317°32.1'	313°28.5'	N 1°45.5'	77°11.5'	9.9'	S 16°33.4'	8.3'	57.4'
10	332°34.5'	328°28.7'	N 1°46.5'	91°40.4'	9.9'	S 16°41.7'	8.2'	57.3'
11	347°37.0'	343°28.9'	N 1°47.5'	106°09.3'	9.9'	S 16°49.9'	8.1'	57.3'
12	2°39.5'	358°29.0'	N 1°48.4'	120°38.2'	9.9'	S 16°57.9'	8.0'	57.3'
13	17°41.9'	13°29.2'	N 1°49.4'	135°07.0'	9.9'	S 17°05.9'	7.8'	57.2'
14	32°44.4'	28°29.4'	N 1°50.4'	149°35.9'	9.9'	S 17°13.7'	7.7'	57.2'
15	47°46.9'	43°29.6'	N 1°51.4'	164°04.8'	9.9'	S 17°21.5'	7.6'	57.2'
16	62°49.3'	58°29.8'	N 1°52.4'	178°33.7'	9.9'	S 17°29.1'	7.5'	57.1'
17	77°51.8'	73°30.0'	N 1°53.3'	193°02.5'	9.9'	S 17°36.6'	7.4'	57.1'
18	92°54.3'	88°30.2'	N 1°54.3'	207°31.4'	9.9'	S 17°44.1'	7.3'	57.0'
19	107°56.7'	103°30.4'	N 1°55.3'	222°00.3'	9.9'	S 17°51.4'	7.2'	57.0'
20	122°59.2'	118°30.6'	N 1°56.3'	236°29.2'	9.9'	S 17°58.6'	7.1'	57.0'
21	138°01.7'	133°30.8'	N 1°57.3'	250°58.1'	9.9'	S 18°05.7'	7.0'	56.9'
22	153°04.1'	148°30.9'	N 1°58.3'	265°27.0'	9.9'	S 18°12.7'	6.9'	56.9'
23	168°06.6'	163°31.1'	N 1°59.2'	279°55.8'	9.9'	S 18°19.6'	6.8'	56.9'

Tue Mar 26, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	183°09.0'	178°31.3'	N 2°00.2'	294°24.7'	9.9'	S 18°26.4'	6.7'	56.8'
1	198°11.5'	193°31.5'	N 2°01.2'	308°53.6'	9.9'	S 18°33.1'	6.6'	56.8'
2	213°14.0'	208°31.7'	N 2°02.2'	323°22.5'	9.9'	S 18°39.7'	6.5'	56.7'
3	228°16.4'	223°31.9'	N 2°03.2'	337°51.4'	9.9'	S 18°46.2'	6.4'	56.7'
4	243°18.9'	238°32.1'	N 2°04.1'	352°20.3'	9.9'	S 18°52.5'	6.3'	56.7'
5	258°21.4'	253°32.3'	N 2°05.1'	6°49.2'	9.9'	S 18°58.8'	6.1'	56.6'
6	273°23.8'	268°32.5'	N 2°06.1'	21°18.1'	9.9'	S 19°04.9'	6.0'	56.6'
7	288°26.3'	283°32.6'	N 2°07.1'	35°47.0'	9.9'	S 19°11.0'	5.9'	56.6'
8	303°28.8'	298°32.8'	N 2°08.1'	50°15.9'	9.9'	S 19°16.9'	5.8'	56.5'
9	318°31.2'	313°33.0'	N 2°09.1'	64°44.8'	9.9'	S 19°22.7'	5.7'	56.5'
10	333°33.7'	328°33.2'	N 2°10.0'	79°13.8'	9.9'	S 19°28.4'	5.6'	56.5'
11	348°36.2'	343°33.4'	N 2°11.0'	93°42.7'	9.9'	S 19°34.0'	5.5'	56.4'
12	3°38.6'	358°33.6'	N 2°12.0'	108°11.6'	9.9'	S 19°39.5'	5.4'	56.4'
13	18°41.1'	13°33.8'	N 2°13.0'	122°40.5'	9.9'	S 19°44.9'	5.3'	56.4'
14	33°43.5'	28°34.0'	N 2°14.0'	137°09.5'	9.9'	S 19°50.2'	5.2'	56.3'
15	48°46.0'	43°34.2'	N 2°14.9'	151°38.4'	10.0'	S 19°55.3'	5.0'	56.3'
16	63°48.5'	58°34.3'	N 2°15.9'	166°07.4'	10.0'	S 20°00.4'	4.9'	56.3'
17	78°50.9'	73°34.5'	N 2°16.9'	180°36.3'	10.0'	S 20°05.3'	4.8'	56.2'
18	93°53.4'	88°34.7'	N 2°17.9'	195°05.3'	10.0'	S 20°10.1'	4.7'	56.2'
19	108°55.9'	103°34.9'	N 2°18.9'	209°34.3'	10.0'	S 20°14.8'	4.6'	56.2'
20	123°58.3'	118°35.1'	N 2°19.8'	224°03.3'	10.0'	S 20°19.4'	4.5'	56.1'
21	139°00.8'	133°35.3'	N 2°20.8'	238°32.2'	10.0'	S 20°23.9'	4.4'	56.1'
22	154°03.3'	148°35.5'	N 2°21.8'	253°01.2'	10.0'	S 20°28.3'	4.3'	56.1'
23	169°05.7'	163°35.7'	N 2°22.8'	267°30.3'	10.0'	S 20°32.5'	4.2'	56.0'

Wed Mar 27, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 15.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	184°08.2'	178°35.9'	N 2°23.8'	281°59.3'	10.0'	S 20°36.7'	4.0'	56.0'
1	199°10.7'	193°36.0'	N 2°24.7'	296°28.3'	10.0'	S 20°40.7'	3.9'	56.0'
2	214°13.1'	208°36.2'	N 2°25.7'	310°57.3'	10.1'	S 20°44.7'	3.8'	55.9'
3	229°15.6'	223°36.4'	N 2°26.7'	325°26.4'	10.1'	S 20°48.5'	3.7'	55.9'
4	244°18.0'	238°36.6'	N 2°27.7'	339°55.5'	10.1'	S 20°52.2'	3.6'	55.9'
5	259°20.5'	253°36.8'	N 2°28.7'	354°24.5'	10.1'	S 20°55.8'	3.5'	55.8'
6	274°23.0'	268°37.0'	N 2°29.6'	8°53.6'	10.1'	S 20°59.3'	3.4'	55.8'
7	289°25.4'	283°37.2'	N 2°30.6'	23°22.7'	10.1'	S 21°02.6'	3.3'	55.8'
8	304°27.9'	298°37.4'	N 2°31.6'	37°51.8'	10.1'	S 21°05.9'	3.1'	55.7'
9	319°30.4'	313°37.6'	N 2°32.6'	52°21.0'	10.1'	S 21°09.0'	3.0'	55.7'
10	334°32.8'	328°37.7'	N 2°33.6'	66°50.1'	10.2'	S 21°12.1'	2.9'	55.7'
11	349°35.3'	343°37.9'	N 2°34.5'	81°19.2'	10.2'	S 21°15.0'	2.8'	55.6'
12	4°37.8'	358°38.1'	N 2°35.5'	95°48.4'	10.2'	S 21°17.8'	2.7'	55.6'
13	19°40.2'	13°38.3'	N 2°36.5'	110°17.6'	10.2'	S 21°20.5'	2.6'	55.6'
14	34°42.7'	28°38.5'	N 2°37.5'	124°46.8'	10.2'	S 21°23.1'	2.5'	55.6'
15	49°45.1'	43°38.7'	N 2°38.4'	139°16.0'	10.2'	S 21°25.5'	2.4'	55.5'
16	64°47.6'	58°38.9'	N 2°39.4'	153°45.2'	10.3'	S 21°27.9'	2.2'	55.5'
17	79°50.1'	73°39.1'	N 2°40.4'	168°14.5'	10.3'	S 21°30.1'	2.1'	55.5'
18	94°52.5'	88°39.3'	N 2°41.4'	182°43.8'	10.3'	S 21°32.3'	2.0'	55.4'
19	109°55.0'	103°39.4'	N 2°42.4'	197°13.1'	10.3'	S 21°34.3'	1.9'	55.4'
20	124°57.5'	118°39.6'	N 2°43.3'	211°42.4'	10.3'	S 21°36.2'	1.8'	55.4'
21	139°59.9'	133°39.8'	N 2°44.3'	226°11.7'	10.3'	S 21°38.0'	1.7'	55.4'
22	155°02.4'	148°40.0'	N 2°45.3'	240°41.0'	10.4'	S 21°39.7'	1.6'	55.3'
23	170°04.9'	163°40.2'	N 2°46.3'	255°10.4'	10.4'	S 21°41.3'	1.5'	55.3'

Thu Mar 28, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 15.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	185°07.3'	178°40.4'	N 2°47.3'	269°39.8'	10.4'	S 21°42.7'	1.4'	55.3'
1	200°09.8'	193°40.6'	N 2°48.2'	284°09.2'	10.4'	S 21°44.1'	1.2'	55.3'
2	215°12.3'	208°40.8'	N 2°49.2'	298°38.6'	10.4'	S 21°45.4'	1.1'	55.2'
3	230°14.7'	223°41.0'	N 2°50.2'	313°08.1'	10.5'	S 21°46.5'	1.0'	55.2'
4	245°17.2'	238°41.1'	N 2°51.2'	327°37.5'	10.5'	S 21°47.5'	0.9'	55.2'
5	260°19.6'	253°41.3'	N 2°52.1'	342°07.0'	10.5'	S 21°48.4'	0.8'	55.2'
6	275°22.1'	268°41.5'	N 2°53.1'	356°36.5'	10.5'	S 21°49.2'	0.7'	55.1'
7	290°24.6'	283°41.7'	N 2°54.1'	11°06.1'	10.6'	S 21°49.9'	0.6'	55.1'
8	305°27.0'	298°41.9'	N 2°55.1'	25°35.7'	10.6'	S 21°50.5'	0.5'	55.1'
9	320°29.5'	313°42.1'	N 2°56.0'	40°05.2'	10.6'	S 21°51.0'	0.4'	55.1'
10	335°32.0'	328°42.3'	N 2°57.0'	54°34.9'	10.6'	S 21°51.4'	0.3'	55.0'
11	350°34.4'	343°42.5'	N 2°58.0'	69°04.5'	10.7'	S 21°51.6'	0.2'	55.0'
12	5°36.9'	358°42.7'	N 2°59.0'	83°34.2'	10.7'	S 21°51.8'	0.0'	55.0'
13	20°39.4'	13°42.8'	N 2°60.0'	98°03.9'	10.7'	S 21°51.8'	0.1'	55.0'
14	35°41.8'	28°43.0'	N 3°00.9'	112°33.6'	10.7'	S 21°51.8'	0.2'	54.9'
15	50°44.3'	43°43.2'	N 3°01.9'	127°03.3'	10.8'	S 21°51.6'	0.3'	54.9'
16	65°46.8'	58°43.4'	N 3°02.9'	141°33.1'	10.8'	S 21°51.3'	0.4'	54.9'
17	80°49.2'	73°43.6'	N 3°03.9'	156°02.9'	10.8'	S 21°50.9'	0.5'	54.9'
18	95°51.7'	88°43.8'	N 3°04.8'	170°32.8'	10.9'	S 21°50.4'	0.6'	54.9'
19	110°54.1'	103°44.0'	N 3°05.8'	185°02.6'	10.9'	S 21°49.8'	0.7'	54.8'
20	125°56.6'	118°44.2'	N 3°06.8'	199°32.5'	10.9'	S 21°49.1'	0.8'	54.8'
21	140°59.1'	133°44.4'	N 3°07.8'	214°02.4'	11.0'	S 21°48.3'	0.9'	54.8'
22	156°01.5'	148°44.5'	N 3°08.7'	228°32.4'	11.0'	S 21°47.4'	1.0'	54.8'
23	171°04.0'	163°44.7'	N 3°09.7'	243°02.4'	11.0'	S 21°46.4'	1.1'	54.8'

Fri Mar 29, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	186°06.5'	178°44.9'	N 3°10.7'	257°32.4'	11.0'	S 21°45.3'	1.2'	54.7'
1	201°08.9'	193°45.1'	N 3°11.7'	272°02.4'	11.1'	S 21°44.0'	1.3'	54.7'
2	216°11.4'	208°45.3'	N 3°12.6'	286°32.5'	11.1'	S 21°42.7'	1.4'	54.7'
3	231°13.9'	223°45.5'	N 3°13.6'	301°02.6'	11.1'	S 21°41.3'	1.5'	54.7'
4	246°16.3'	238°45.7'	N 3°14.6'	315°32.8'	11.2'	S 21°39.7'	1.6'	54.7'
5	261°18.8'	253°45.9'	N 3°15.6'	330°02.9'	11.2'	S 21°38.1'	1.7'	54.6'
6	276°21.3'	268°46.0'	N 3°16.5'	344°33.1'	11.2'	S 21°36.3'	1.9'	54.6'
7	291°23.7'	283°46.2'	N 3°17.5'	359°03.4'	11.3'	S 21°34.5'	2.0'	54.6'
8	306°26.2'	298°46.4'	N 3°18.5'	13°33.7'	11.3'	S 21°32.5'	2.1'	54.6'
9	321°28.6'	313°46.6'	N 3°19.5'	28°04.0'	11.3'	S 21°30.5'	2.2'	54.6'
10	336°31.1'	328°46.8'	N 3°20.4'	42°34.3'	11.4'	S 21°28.3'	2.3'	54.6'
11	351°33.6'	343°47.0'	N 3°21.4'	57°04.7'	11.4'	S 21°26.1'	2.4'	54.5'
12	6°36.0'	358°47.2'	N 3°22.4'	71°35.1'	11.4'	S 21°23.7'	2.5'	54.5'
13	21°38.5'	13°47.4'	N 3°23.4'	86°05.5'	11.5'	S 21°21.2'	2.6'	54.5'
14	36°41.0'	28°47.6'	N 3°24.3'	100°36.0'	11.5'	S 21°18.7'	2.7'	54.5'
15	51°43.4'	43°47.7'	N 3°25.3'	115°06.5'	11.6'	S 21°16.0'	2.8'	54.5'
16	66°45.9'	58°47.9'	N 3°26.3'	129°37.1'	11.6'	S 21°13.3'	2.9'	54.5'
17	81°48.4'	73°48.1'	N 3°27.3'	144°07.7'	11.6'	S 21°10.4'	3.0'	54.4'
18	96°50.8'	88°48.3'	N 3°28.2'	158°38.3'	11.7'	S 21°07.5'	3.1'	54.4'
19	111°53.3'	103°48.5'	N 3°29.2'	173°09.0'	11.7'	S 21°04.4'	3.1'	54.4'
20	126°55.7'	118°48.7'	N 3°30.2'	187°39.7'	11.7'	S 21°01.3'	3.2'	54.4'
21	141°58.2'	133°48.9'	N 3°31.1'	202°10.4'	11.8'	S 20°58.0'	3.3'	54.4'
22	157°00.7'	148°49.1'	N 3°32.1'	216°41.2'	11.8'	S 20°54.7'	3.4'	54.4'
23	172°03.1'	163°49.2'	N 3°33.1'	231°12.0'	11.9'	S 20°51.2'	3.5'	54.4'

Sat Mar 30, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	187°05.6'	178°49.4'	N 3°34.1'	245°42.9'	11.9'	S 20°47.7'	3.6'	54.4'
1	202°08.1'	193°49.6'	N 3°35.0'	260°13.8'	11.9'	S 20°44.1'	3.7'	54.3'
2	217°10.5'	208°49.8'	N 3°36.0'	274°44.7'	12.0'	S 20°40.4'	3.8'	54.3'
3	232°13.0'	223°50.0'	N 3°37.0'	289°15.7'	12.0'	S 20°36.6'	3.9'	54.3'
4	247°15.5'	238°50.2'	N 3°38.0'	303°46.7'	12.0'	S 20°32.6'	4.0'	54.3'
5	262°17.9'	253°50.4'	N 3°38.9'	318°17.7'	12.1'	S 20°28.6'	4.1'	54.3'
6	277°20.4'	268°50.6'	N 3°39.9'	332°48.8'	12.1'	S 20°24.5'	4.2'	54.3'
7	292°22.9'	283°50.7'	N 3°40.9'	347°19.9'	12.2'	S 20°20.4'	4.3'	54.3'
8	307°25.3'	298°50.9'	N 3°41.8'	1°51.1'	12.2'	S 20°16.1'	4.4'	54.3'
9	322°27.8'	313°51.1'	N 3°42.8'	16°22.3'	12.2'	S 20°11.7'	4.5'	54.2'
10	337°30.2'	328°51.3'	N 3°43.8'	30°53.5'	12.3'	S 20°07.2'	4.6'	54.2'
11	352°32.7'	343°51.5'	N 3°44.8'	45°24.8'	12.3'	S 20°02.7'	4.6'	54.2'
12	7°35.2'	358°51.7'	N 3°45.7'	59°56.1'	12.4'	S 19°58.1'	4.7'	54.2'
13	22°37.6'	13°51.9'	N 3°46.7'	74°27.5'	12.4'	S 19°53.3'	4.8'	54.2'
14	37°40.1'	28°52.1'	N 3°47.7'	88°58.9'	12.4'	S 19°48.5'	4.9'	54.2'
15	52°42.6'	43°52.2'	N 3°48.6'	103°30.3'	12.5'	S 19°43.6'	5.0'	54.2'
16	67°45.0'	58°52.4'	N 3°49.6'	118°01.8'	12.5'	S 19°38.6'	5.1'	54.2'
17	82°47.5'	73°52.6'	N 3°50.6'	132°33.3'	12.6'	S 19°33.5'	5.2'	54.2'
18	97°50.0'	88°52.8'	N 3°51.6'	147°04.9'	12.6'	S 19°28.3'	5.3'	54.2'
19	112°52.4'	103°53.0'	N 3°52.5'	161°36.5'	12.6'	S 19°23.1'	5.3'	54.2'
20	127°54.9'	118°53.2'	N 3°53.5'	176°08.1'	12.7'	S 19°17.8'	5.4'	54.2'
21	142°57.4'	133°53.4'	N 3°54.5'	190°39.8'	12.7'	S 19°12.3'	5.5'	54.1'
22	157°59.8'	148°53.5'	N 3°55.4'	205°11.5'	12.8'	S 19°06.8'	5.6'	54.1'
23	173°02.3'	163°53.7'	N 3°56.4'	219°43.3'	12.8'	S 19°01.2'	5.7'	54.1'

Sun Mar 31, 2019 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 1.0' SD = 16.0'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	188°04.7'	178°53.9'	N 3°57.4'	234°15.1'	12.8'	S 18°55.5'	5.8'	54.1'
1	203°07.2'	193°54.1'	N 3°58.3'	248°46.9'	12.9'	S 18°49.8'	5.8'	54.1'
2	218°09.7'	208°54.3'	N 3°59.3'	263°18.8'	12.9'	S 18°43.9'	5.9'	54.1'
3	233°12.1'	223°54.5'	N 4°00.3'	277°50.7'	13.0'	S 18°38.0'	6.0'	54.1'
4	248°14.6'	238°54.7'	N 4°01.3'	292°22.7'	13.0'	S 18°32.0'	6.1'	54.1'
5	263°17.1'	253°54.9'	N 4°02.2'	306°54.7'	13.0'	S 18°25.9'	6.2'	54.1'
6	278°19.5'	268°55.0'	N 4°03.2'	321°26.7'	13.1'	S 18°19.7'	6.3'	54.1'
7	293°22.0'	283°55.2'	N 4°04.2'	335°58.8'	13.1'	S 18°13.5'	6.3'	54.1'
8	308°24.5'	298°55.4'	N 4°05.1'	350°30.9'	13.1'	S 18°07.1'	6.4'	54.1'
9	323°26.9'	313°55.6'	N 4°06.1'	5°03.0'	13.2'	S 18°00.7'	6.5'	54.1'
10	338°29.4'	328°55.8'	N 4°07.1'	19°35.2'	13.2'	S 17°54.2'	6.6'	54.1'
11	353°31.8'	343°56.0'	N 4°08.0'	34°07.4'	13.3'	S 17°47.7'	6.6'	54.1'
12	8°34.3'	358°56.2'	N 4°09.0'	48°39.7'	13.3'	S 17°41.0'	6.7'	54.1'
13	23°36.8'	13°56.3'	N 4°10.0'	63°12.0'	13.3'	S 17°34.3'	6.8'	54.1'
14	38°39.2'	28°56.5'	N 4°10.9'	77°44.4'	13.4'	S 17°27.5'	6.9'	54.1'
15	53°41.7'	43°56.7'	N 4°11.9'	92°16.7'	13.4'	S 17°20.7'	6.9'	54.1'
16	68°44.2'	58°56.9'	N 4°12.9'	106°49.2'	13.5'	S 17°13.7'	7.0'	54.1'
17	83°46.6'	73°57.1'	N 4°13.8'	121°21.6'	13.5'	S 17°06.7'	7.1'	54.1'
18	98°49.1'	88°57.3'	N 4°14.8'	135°54.1'	13.5'	S 16°59.6'	7.2'	54.1'
19	113°51.6'	103°57.5'	N 4°15.8'	150°26.6'	13.6'	S 16°52.4'	7.2'	54.1'
20	128°54.0'	118°57.6'	N 4°16.7'	164°59.2'	13.6'	S 16°45.2'	7.3'	54.1'
21	143°56.5'	133°57.8'	N 4°17.7'	179°31.8'	13.6'	S 16°37.9'	7.4'	54.1'
22	158°59.0'	148°58.0'	N 4°18.7'	194°04.4'	13.7'	S 16°30.5'	7.5'	54.1'
23	174°01.4'	163°58.2'	N 4°19.6'	208°37.1'	13.7'	S 16°23.0'	7.5'	54.1'