

Fri Jun 1, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	249°25.7'	180°33.8'	N 22°00.8'	331°40.5'	11.5'	S 20°41.2'	0.6'	54.3'
1	264°28.2'	195°33.7'	N 22°01.2'	346°11.0'	11.6'	S 20°41.8'	0.6'	54.3'
2	279°30.6'	210°33.6'	N 22°01.5'	0°41.6'	11.6'	S 20°42.4'	0.5'	54.2'
3	294°33.1'	225°33.5'	N 22°01.9'	15°12.1'	11.6'	S 20°42.8'	0.4'	54.2'
4	309°35.6'	240°33.4'	N 22°02.2'	29°42.7'	11.6'	S 20°43.2'	0.3'	54.2'
5	324°38.0'	255°33.3'	N 22°02.5'	44°13.3'	11.6'	S 20°43.4'	0.2'	54.2'
6	339°40.5'	270°33.2'	N 22°02.9'	58°43.9'	11.6'	S 20°43.6'	0.1'	54.2'
7	354°43.0'	285°33.1'	N 22°03.2'	73°14.5'	11.6'	S 20°43.6'	0.0'	54.2'
8	9°45.4'	300°33.1'	N 22°03.6'	87°45.1'	11.6'	S 20°43.6'	0.1'	54.2'
9	24°47.9'	315°33.0'	N 22°03.9'	102°15.7'	11.6'	S 20°43.5'	0.2'	54.2'
10	39°50.3'	330°32.9'	N 22°04.2'	116°46.3'	11.6'	S 20°43.2'	0.3'	54.2'
11	54°52.8'	345°32.8'	N 22°04.6'	131°17.0'	11.7'	S 20°42.9'	0.4'	54.2'
12	69°55.3'	0°32.7'	N 22°04.9'	145°47.6'	11.7'	S 20°42.5'	0.5'	54.2'
13	84°57.7'	15°32.6'	N 22°05.2'	160°18.3'	11.7'	S 20°42.0'	0.6'	54.2'
14	100°00.2'	30°32.5'	N 22°05.6'	174°49.0'	11.7'	S 20°41.4'	0.7'	54.2'
15	115°02.7'	45°32.4'	N 22°05.9'	189°19.6'	11.7'	S 20°40.6'	0.8'	54.2'
16	130°05.1'	60°32.3'	N 22°06.2'	203°50.4'	11.7'	S 20°39.8'	0.9'	54.2'
17	145°07.6'	75°32.2'	N 22°06.6'	218°21.1'	11.7'	S 20°38.9'	1.0'	54.2'
18	160°10.1'	90°32.1'	N 22°06.9'	232°51.8'	11.8'	S 20°37.9'	1.1'	54.1'
19	175°12.5'	105°32.0'	N 22°07.2'	247°22.6'	11.8'	S 20°36.8'	1.2'	54.1'
20	190°15.0'	120°31.9'	N 22°07.6'	261°53.3'	11.8'	S 20°35.6'	1.3'	54.1'
21	205°17.4'	135°31.8'	N 22°07.9'	276°24.1'	11.8'	S 20°34.3'	1.4'	54.1'
22	220°19.9'	150°31.7'	N 22°08.2'	290°54.9'	11.8'	S 20°33.0'	1.5'	54.1'
23	235°22.4'	165°31.6'	N 22°08.6'	305°25.7'	11.8'	S 20°31.5'	1.6'	54.1'

Sat Jun 2, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	250°24.8'	180°31.5'	N 22°08.9'	319°56.6'	11.9'	S 20°29.9'	1.7'	54.1'
1	265°27.3'	195°31.4'	N 22°09.2'	334°27.4'	11.9'	S 20°28.2'	1.8'	54.1'
2	280°29.8'	210°31.3'	N 22°09.5'	348°58.3'	11.9'	S 20°26.5'	1.9'	54.1'
3	295°32.2'	225°31.2'	N 22°09.9'	3°29.2'	11.9'	S 20°24.6'	2.0'	54.1'
4	310°34.7'	240°31.1'	N 22°10.2'	18°00.1'	11.9'	S 20°22.7'	2.0'	54.1'
5	325°37.2'	255°31.0'	N 22°10.5'	32°31.0'	11.9'	S 20°20.6'	2.1'	54.1'
6	340°39.6'	270°30.9'	N 22°10.8'	47°02.0'	12.0'	S 20°18.5'	2.2'	54.1'
7	355°42.1'	285°30.8'	N 22°11.2'	61°32.9'	12.0'	S 20°16.2'	2.3'	54.1'
8	10°44.6'	300°30.7'	N 22°11.5'	76°03.9'	12.0'	S 20°13.9'	2.4'	54.1'
9	25°47.0'	315°30.6'	N 22°11.8'	90°34.9'	12.0'	S 20°11.5'	2.5'	54.1'
10	40°49.5'	330°30.5'	N 22°12.1'	105°06.0'	12.1'	S 20°09.0'	2.6'	54.1'
11	55°51.9'	345°30.4'	N 22°12.5'	119°37.0'	12.1'	S 20°06.4'	2.7'	54.1'
12	70°54.4'	0°30.3'	N 22°12.8'	134°08.1'	12.1'	S 20°03.7'	2.8'	54.1'
13	85°56.9'	15°30.2'	N 22°13.1'	148°39.2'	12.1'	S 20°00.9'	2.9'	54.1'
14	100°59.3'	30°30.1'	N 22°13.4'	163°10.3'	12.1'	S 19°58.0'	3.0'	54.1'
15	116°01.8'	45°30.0'	N 22°13.7'	177°41.4'	12.2'	S 19°55.0'	3.1'	54.1'
16	131°04.3'	60°29.9'	N 22°14.0'	192°12.6'	12.2'	S 19°52.0'	3.2'	54.1'
17	146°06.7'	75°29.8'	N 22°14.4'	206°43.8'	12.2'	S 19°48.8'	3.2'	54.1'
18	161°09.2'	90°29.7'	N 22°14.7'	221°15.0'	12.2'	S 19°45.6'	3.3'	54.1'
19	176°11.7'	105°29.6'	N 22°15.0'	235°46.2'	12.3'	S 19°42.3'	3.4'	54.1'
20	191°14.1'	120°29.5'	N 22°15.3'	250°17.5'	12.3'	S 19°38.8'	3.5'	54.1'
21	206°16.6'	135°29.4'	N 22°15.6'	264°48.8'	12.3'	S 19°35.3'	3.6'	54.1'
22	221°19.1'	150°29.3'	N 22°15.9'	279°20.1'	12.3'	S 19°31.7'	3.7'	54.1'
23	236°21.5'	165°29.2'	N 22°16.2'	293°51.4'	12.4'	S 19°28.0'	3.8'	54.1'

Sun Jun 3, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	251°24.0'	180°29.1'	N 22°16.6'	308°22.8'	12.4'	S 19°24.3'	3.9'	54.1'
1	266°26.4'	195°29.0'	N 22°16.9'	322°54.2'	12.4'	S 19°20.4'	4.0'	54.1'
2	281°28.9'	210°28.9'	N 22°17.2'	337°25.6'	12.4'	S 19°16.4'	4.0'	54.1'
3	296°31.4'	225°28.8'	N 22°17.5'	351°57.0'	12.5'	S 19°12.4'	4.1'	54.1'
4	311°33.8'	240°28.7'	N 22°17.8'	6°28.5'	12.5'	S 19°08.3'	4.2'	54.1'
5	326°36.3'	255°28.6'	N 22°18.1'	20°59.9'	12.5'	S 19°04.1'	4.3'	54.1'
6	341°38.8'	270°28.5'	N 22°18.4'	35°31.4'	12.5'	S 18°59.8'	4.4'	54.1'
7	356°41.2'	285°28.4'	N 22°18.7'	50°03.0'	12.6'	S 18°55.4'	4.5'	54.1'
8	11°43.7'	300°28.3'	N 22°19.0'	64°34.5'	12.6'	S 18°50.9'	4.6'	54.1'
9	26°46.2'	315°28.2'	N 22°19.3'	79°06.1'	12.6'	S 18°46.4'	4.6'	54.1'
10	41°48.6'	330°28.1'	N 22°19.6'	93°37.7'	12.6'	S 18°41.7'	4.7'	54.1'
11	56°51.1'	345°28.0'	N 22°19.9'	108°09.4'	12.7'	S 18°37.0'	4.8'	54.1'
12	71°53.6'	0°27.9'	N 22°20.2'	122°41.0'	12.7'	S 18°32.2'	4.9'	54.1'
13	86°56.0'	15°27.8'	N 22°20.5'	137°12.7'	12.7'	S 18°27.3'	5.0'	54.2'
14	101°58.5'	30°27.7'	N 22°20.8'	151°44.4'	12.7'	S 18°22.3'	5.1'	54.2'
15	117°00.9'	45°27.6'	N 22°21.1'	166°16.2'	12.8'	S 18°17.3'	5.1'	54.2'
16	132°03.4'	60°27.5'	N 22°21.4'	180°48.0'	12.8'	S 18°12.1'	5.2'	54.2'
17	147°05.9'	75°27.4'	N 22°21.7'	195°19.8'	12.8'	S 18°06.9'	5.3'	54.2'
18	162°08.3'	90°27.3'	N 22°22.0'	209°51.6'	12.8'	S 18°01.6'	5.4'	54.2'
19	177°10.8'	105°27.2'	N 22°22.3'	224°23.4'	12.9'	S 17°56.2'	5.5'	54.2'
20	192°13.3'	120°27.1'	N 22°22.6'	238°55.3'	12.9'	S 17°50.8'	5.5'	54.2'
21	207°15.7'	135°27.0'	N 22°22.9'	253°27.2'	12.9'	S 17°45.2'	5.6'	54.2'
22	222°18.2'	150°26.9'	N 22°23.2'	267°59.1'	13.0'	S 17°39.6'	5.7'	54.2'
23	237°20.7'	165°26.8'	N 22°23.5'	282°31.1'	13.0'	S 17°33.9'	5.8'	54.2'

Mon Jun 4, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	252°23.1'	180°26.6'	N 22°23.8'	297°03.1'	13.0'	S 17°28.1'	5.9'	54.2'
1	267°25.6'	195°26.5'	N 22°24.1'	311°35.1'	13.0'	S 17°22.3'	5.9'	54.2'
2	282°28.0'	210°26.4'	N 22°24.4'	326°07.1'	13.1'	S 17°16.4'	6.0'	54.2'
3	297°30.5'	225°26.3'	N 22°24.7'	340°39.2'	13.1'	S 17°10.3'	6.1'	54.2'
4	312°33.0'	240°26.2'	N 22°25.0'	355°11.2'	13.1'	S 17°04.3'	6.2'	54.3'
5	327°35.4'	255°26.1'	N 22°25.3'	9°43.4'	13.1'	S 16°58.1'	6.2'	54.3'
6	342°37.9'	270°26.0'	N 22°25.6'	24°15.5'	13.2'	S 16°51.8'	6.3'	54.3'
7	357°40.4'	285°25.9'	N 22°25.9'	38°47.7'	13.2'	S 16°45.5'	6.4'	54.3'
8	12°42.8'	300°25.8'	N 22°26.2'	53°19.8'	13.2'	S 16°39.1'	6.5'	54.3'
9	27°45.3'	315°25.7'	N 22°26.5'	67°52.0'	13.2'	S 16°32.7'	6.5'	54.3'
10	42°47.8'	330°25.6'	N 22°26.7'	82°24.3'	13.3'	S 16°26.1'	6.6'	54.3'
11	57°50.2'	345°25.5'	N 22°27.0'	96°56.5'	13.3'	S 16°19.5'	6.7'	54.3'
12	72°52.7'	0°25.4'	N 22°27.3'	111°28.8'	13.3'	S 16°12.8'	6.8'	54.3'
13	87°55.2'	15°25.3'	N 22°27.6'	126°01.1'	13.3'	S 16°06.0'	6.8'	54.4'
14	102°57.6'	30°25.2'	N 22°27.9'	140°33.5'	13.4'	S 15°59.2'	6.9'	54.4'
15	118°00.1'	45°25.0'	N 22°28.2'	155°05.8'	13.4'	S 15°52.3'	7.0'	54.4'
16	133°02.5'	60°24.9'	N 22°28.5'	169°38.2'	13.4'	S 15°45.3'	7.1'	54.4'
17	148°05.0'	75°24.8'	N 22°28.7'	184°10.6'	13.4'	S 15°38.3'	7.1'	54.4'
18	163°07.5'	90°24.7'	N 22°29.0'	198°43.0'	13.4'	S 15°31.1'	7.2'	54.4'
19	178°09.9'	105°24.6'	N 22°29.3'	213°15.5'	13.5'	S 15°24.0'	7.3'	54.4'
20	193°12.4'	120°24.5'	N 22°29.6'	227°47.9'	13.5'	S 15°16.7'	7.3'	54.4'
21	208°14.9'	135°24.4'	N 22°29.9'	242°20.4'	13.5'	S 15°09.4'	7.4'	54.5'
22	223°17.3'	150°24.3'	N 22°30.2'	256°52.9'	13.5'	S 15°02.0'	7.5'	54.5'
23	238°19.8'	165°24.2'	N 22°30.4'	271°25.5'	13.6'	S 14°54.5'	7.5'	54.5'

Tue Jun 5, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	253°22.3'	180°24.1'	N 22°30.7'	285°58.0'	13.6'	S 14°46.9'	7.6'	54.5'
1	268°24.7'	195°24.0'	N 22°31.0'	300°30.6'	13.6'	S 14°39.3'	7.7'	54.5'
2	283°27.2'	210°23.9'	N 22°31.3'	315°03.2'	13.6'	S 14°31.7'	7.7'	54.5'
3	298°29.7'	225°23.7'	N 22°31.5'	329°35.8'	13.6'	S 14°23.9'	7.8'	54.5'
4	313°32.1'	240°23.6'	N 22°31.8'	344°08.4'	13.7'	S 14°16.1'	7.9'	54.6'
5	328°34.6'	255°23.5'	N 22°32.1'	358°41.1'	13.7'	S 14°08.3'	7.9'	54.6'
6	343°37.0'	270°23.4'	N 22°32.4'	13°13.8'	13.7'	S 14°00.3'	8.0'	54.6'
7	358°39.5'	285°23.3'	N 22°32.7'	27°46.5'	13.7'	S 13°52.3'	8.1'	54.6'
8	13°42.0'	300°23.2'	N 22°32.9'	42°19.2'	13.7'	S 13°44.3'	8.1'	54.6'
9	28°44.4'	315°23.1'	N 22°33.2'	56°51.9'	13.7'	S 13°36.1'	8.2'	54.6'
10	43°46.9'	330°23.0'	N 22°33.5'	71°24.6'	13.8'	S 13°27.9'	8.3'	54.7'
11	58°49.4'	345°22.9'	N 22°33.7'	85°57.4'	13.8'	S 13°19.7'	8.3'	54.7'
12	73°51.8'	0°22.8'	N 22°34.0'	100°30.2'	13.8'	S 13°11.4'	8.4'	54.7'
13	88°54.3'	15°22.6'	N 22°34.3'	115°03.0'	13.8'	S 13°03.0'	8.4'	54.7'
14	103°56.8'	30°22.5'	N 22°34.6'	129°35.8'	13.8'	S 12°54.5'	8.5'	54.7'
15	118°59.2'	45°22.4'	N 22°34.8'	144°08.6'	13.8'	S 12°46.0'	8.6'	54.7'
16	134°01.7'	60°22.3'	N 22°35.1'	158°41.4'	13.9'	S 12°37.5'	8.6'	54.8'
17	149°04.1'	75°22.2'	N 22°35.4'	173°14.3'	13.9'	S 12°28.9'	8.7'	54.8'
18	164°06.6'	90°22.1'	N 22°35.6'	187°47.2'	13.9'	S 12°20.2'	8.7'	54.8'
19	179°09.1'	105°22.0'	N 22°35.9'	202°20.0'	13.9'	S 12°11.4'	8.8'	54.8'
20	194°11.5'	120°21.9'	N 22°36.2'	216°52.9'	13.9'	S 12°02.6'	8.9'	54.8'
21	209°14.0'	135°21.7'	N 22°36.4'	231°25.8'	13.9'	S 11°53.8'	8.9'	54.9'
22	224°16.5'	150°21.6'	N 22°36.7'	245°58.7'	13.9'	S 11°44.9'	9.0'	54.9'
23	239°18.9'	165°21.5'	N 22°36.9'	260°31.7'	13.9'	S 11°35.9'	9.0'	54.9'

Wed Jun 6, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	254°21.4'	180°21.4'	N 22°37.2'	275°04.6'	13.9'	S 11°26.9'	9.1'	54.9'
1	269°23.9'	195°21.3'	N 22°37.5'	289°37.6'	14.0'	S 11°17.8'	9.1'	54.9'
2	284°26.3'	210°21.2'	N 22°37.7'	304°10.5'	14.0'	S 11°08.6'	9.2'	55.0'
3	299°28.8'	225°21.1'	N 22°38.0'	318°43.5'	14.0'	S 10°59.4'	9.2'	55.0'
4	314°31.3'	240°21.0'	N 22°38.3'	333°16.4'	14.0'	S 10°50.2'	9.3'	55.0'
5	329°33.7'	255°20.8'	N 22°38.5'	347°49.4'	14.0'	S 10°40.9'	9.4'	55.0'
6	344°36.2'	270°20.7'	N 22°38.8'	2°22.4'	14.0'	S 10°31.5'	9.4'	55.1'
7	359°38.6'	285°20.6'	N 22°39.0'	16°55.4'	14.0'	S 10°22.1'	9.5'	55.1'
8	14°41.1'	300°20.5'	N 22°39.3'	31°28.4'	14.0'	S 10°12.7'	9.5'	55.1'
9	29°43.6'	315°20.4'	N 22°39.5'	46°01.4'	14.0'	S 10°03.1'	9.6'	55.1'
10	44°46.0'	330°20.3'	N 22°39.8'	60°34.4'	14.0'	S 9°53.6'	9.6'	55.2'
11	59°48.5'	345°20.2'	N 22°40.1'	75°07.4'	14.0'	S 9°44.0'	9.7'	55.2'
12	74°51.0'	0°20.1'	N 22°40.3'	89°40.4'	14.0'	S 9°34.3'	9.7'	55.2'
13	89°53.4'	15°19.9'	N 22°40.6'	104°13.4'	14.0'	S 9°24.6'	9.8'	55.2'
14	104°55.9'	30°19.8'	N 22°40.8'	118°46.4'	14.0'	S 9°14.8'	9.8'	55.2'
15	119°58.4'	45°19.7'	N 22°41.1'	133°19.5'	14.0'	S 9°05.0'	9.9'	55.3'
16	135°00.8'	60°19.6'	N 22°41.3'	147°52.5'	14.0'	S 8°55.1'	9.9'	55.3'
17	150°03.3'	75°19.5'	N 22°41.6'	162°25.5'	14.0'	S 8°45.2'	10.0'	55.3'
18	165°05.8'	90°19.4'	N 22°41.8'	176°58.5'	14.0'	S 8°35.3'	10.0'	55.4'
19	180°08.2'	105°19.2'	N 22°42.1'	191°31.5'	14.0'	S 8°25.3'	10.0'	55.4'
20	195°10.7'	120°19.1'	N 22°42.3'	206°04.5'	14.0'	S 8°15.2'	10.1'	55.4'
21	210°13.1'	135°19.0'	N 22°42.6'	220°37.5'	14.0'	S 8°05.1'	10.1'	55.4'
22	225°15.6'	150°18.9'	N 22°42.8'	235°10.5'	14.0'	S 7°55.0'	10.2'	55.5'
23	240°18.1'	165°18.8'	N 22°43.1'	249°43.5'	14.0'	S 7°44.8'	10.2'	55.5'

Thu Jun 7, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.8'		SD = 15.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	255°20.5'	180°18.7'	N 22°43.3'	264°16.5'	14.0'	S 7°34.6'	10.3'	55.5'
1	270°23.0'	195°18.6'	N 22°43.6'	278°49.5'	14.0'	S 7°24.3'	10.3'	55.5'
2	285°25.5'	210°18.4'	N 22°43.8'	293°22.5'	14.0'	S 7°14.0'	10.4'	55.6'
3	300°27.9'	225°18.3'	N 22°44.0'	307°55.5'	14.0'	S 7°03.6'	10.4'	55.6'
4	315°30.4'	240°18.2'	N 22°44.3'	322°28.4'	14.0'	S 6°53.2'	10.4'	55.6'
5	330°32.9'	255°18.1'	N 22°44.5'	337°01.4'	13.9'	S 6°42.8'	10.5'	55.7'
6	345°35.3'	270°18.0'	N 22°44.8'	351°34.3'	13.9'	S 6°32.3'	10.5'	55.7'
7	0°37.8'	285°17.9'	N 22°45.0'	6°07.3'	13.9'	S 6°21.8'	10.6'	55.7'
8	15°40.2'	300°17.7'	N 22°45.2'	20°40.2'	13.9'	S 6°11.2'	10.6'	55.7'
9	30°42.7'	315°17.6'	N 22°45.5'	35°13.1'	13.9'	S 6°00.6'	10.6'	55.8'
10	45°45.2'	330°17.5'	N 22°45.7'	49°46.0'	13.9'	S 5°50.0'	10.7'	55.8'
11	60°47.6'	345°17.4'	N 22°46.0'	64°18.9'	13.9'	S 5°39.3'	10.7'	55.8'
12	75°50.1'	0°17.3'	N 22°46.2'	78°51.8'	13.9'	S 5°28.6'	10.7'	55.9'
13	90°52.6'	15°17.2'	N 22°46.4'	93°24.6'	13.8'	S 5°17.9'	10.8'	55.9'
14	105°55.0'	30°17.0'	N 22°46.7'	107°57.5'	13.8'	S 5°07.1'	10.8'	55.9'
15	120°57.5'	45°16.9'	N 22°46.9'	122°30.3'	13.8'	S 4°56.3'	10.8'	56.0'
16	135°60.0'	60°16.8'	N 22°47.1'	137°03.1'	13.8'	S 4°45.4'	10.9'	56.0'
17	151°02.4'	75°16.7'	N 22°47.4'	151°35.9'	13.8'	S 4°34.6'	10.9'	56.0'
18	166°04.9'	90°16.6'	N 22°47.6'	166°08.7'	13.8'	S 4°23.6'	10.9'	56.0'
19	181°07.4'	105°16.4'	N 22°47.8'	180°41.4'	13.7'	S 4°12.7'	11.0'	56.1'
20	196°09.8'	120°16.3'	N 22°48.1'	195°14.2'	13.7'	S 4°01.7'	11.0'	56.1'
21	211°12.3'	135°16.2'	N 22°48.3'	209°46.9'	13.7'	S 3°50.7'	11.0'	56.1'
22	226°14.7'	150°16.1'	N 22°48.5'	224°19.6'	13.7'	S 3°39.7'	11.1'	56.2'
23	241°17.2'	165°16.0'	N 22°48.8'	238°52.2'	13.6'	S 3°28.6'	11.1'	56.2'

Fri Jun 8, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.8'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	256°19.7'	180°15.8'	N 22°49.0'	253°24.9'	13.6'	S 3°17.5'	11.1'	56.2'
1	271°22.1'	195°15.7'	N 22°49.2'	267°57.5'	13.6'	S 3°06.4'	11.2'	56.3'
2	286°24.6'	210°15.6'	N 22°49.5'	282°30.1'	13.6'	S 2°55.2'	11.2'	56.3'
3	301°27.1'	225°15.5'	N 22°49.7'	297°02.6'	13.5'	S 2°44.0'	11.2'	56.3'
4	316°29.5'	240°15.4'	N 22°49.9'	311°35.1'	13.5'	S 2°32.8'	11.2'	56.4'
5	331°32.0'	255°15.3'	N 22°50.1'	326°07.7'	13.5'	S 2°21.6'	11.3'	56.4'
6	346°34.5'	270°15.1'	N 22°50.4'	340°40.1'	13.4'	S 2°10.3'	11.3'	56.4'
7	1°36.9'	285°15.0'	N 22°50.6'	355°12.6'	13.4'	S 1°59.0'	11.3'	56.5'
8	16°39.4'	300°14.9'	N 22°50.8'	9°45.0'	13.4'	S 1°47.7'	11.3'	56.5'
9	31°41.9'	315°14.8'	N 22°51.0'	24°17.4'	13.3'	S 1°36.4'	11.4'	56.6'
10	46°44.3'	330°14.7'	N 22°51.3'	38°49.7'	13.3'	S 1°25.0'	11.4'	56.6'
11	61°46.8'	345°14.5'	N 22°51.5'	53°22.0'	13.3'	S 1°13.7'	11.4'	56.6'
12	76°49.2'	0°14.4'	N 22°51.7'	67°54.3'	13.2'	S 1°02.3'	11.4'	56.7'
13	91°51.7'	15°14.3'	N 22°51.9'	82°26.6'	13.2'	S 0°50.9'	11.4'	56.7'
14	106°54.2'	30°14.2'	N 22°52.1'	96°58.8'	13.2'	S 0°39.4'	11.5'	56.7'
15	121°56.6'	45°14.0'	N 22°52.4'	111°30.9'	13.1'	S 0°28.0'	11.5'	56.8'
16	136°59.1'	60°13.9'	N 22°52.6'	126°03.1'	13.1'	S 0°16.5'	11.5'	56.8'
17	152°01.6'	75°13.8'	N 22°52.8'	140°35.2'	13.1'	S 0°05.0'	11.5'	56.8'
18	167°04.0'	90°13.7'	N 22°53.0'	155°07.2'	13.0'	N 0°06.5'	11.5'	56.9'
19	182°06.5'	105°13.6'	N 22°53.2'	169°39.2'	13.0'	N 0°18.0'	11.5'	56.9'
20	197°09.0'	120°13.4'	N 22°53.4'	184°11.2'	12.9'	N 0°29.5'	11.5'	56.9'
21	212°11.4'	135°13.3'	N 22°53.7'	198°43.1'	12.9'	N 0°41.1'	11.6'	57.0'
22	227°13.9'	150°13.2'	N 22°53.9'	213°15.0'	12.8'	N 0°52.6'	11.6'	57.0'
23	242°16.3'	165°13.1'	N 22°54.1'	227°46.9'	12.8'	N 1°04.2'	11.6'	57.1'

Sat Jun 9, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.8'		SD = 15.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	257°18.8'	180°13.0'	N 22°54.3'	242°18.7'	12.7'	N 1°15.8'	11.6'	57.1'
1	272°21.3'	195°12.8'	N 22°54.5'	256°50.4'	12.7'	N 1°27.4'	11.6'	57.1'
2	287°23.7'	210°12.7'	N 22°54.7'	271°22.1'	12.7'	N 1°39.0'	11.6'	57.2'
3	302°26.2'	225°12.6'	N 22°54.9'	285°53.8'	12.6'	N 1°50.6'	11.6'	57.2'
4	317°28.7'	240°12.5'	N 22°55.1'	300°25.4'	12.6'	N 2°02.2'	11.6'	57.2'
5	332°31.1'	255°12.3'	N 22°55.4'	314°56.9'	12.5'	N 2°13.8'	11.6'	57.3'
6	347°33.6'	270°12.2'	N 22°55.6'	329°28.4'	12.5'	N 2°25.4'	11.6'	57.3'
7	2°36.1'	285°12.1'	N 22°55.8'	343°59.9'	12.4'	N 2°37.0'	11.6'	57.4'
8	17°38.5'	300°12.0'	N 22°56.0'	358°31.3'	12.3'	N 2°48.7'	11.6'	57.4'
9	32°41.0'	315°11.9'	N 22°56.2'	13°02.6'	12.3'	N 3°00.3'	11.6'	57.4'
10	47°43.5'	330°11.7'	N 22°56.4'	27°33.9'	12.2'	N 3°11.9'	11.6'	57.5'
11	62°45.9'	345°11.6'	N 22°56.6'	42°05.2'	12.2'	N 3°23.6'	11.6'	57.5'
12	77°48.4'	0°11.5'	N 22°56.8'	56°36.3'	12.1'	N 3°35.2'	11.6'	57.5'
13	92°50.8'	15°11.4'	N 22°57.0'	71°07.5'	12.1'	N 3°46.9'	11.6'	57.6'
14	107°53.3'	30°11.2'	N 22°57.2'	85°38.5'	12.0'	N 3°58.5'	11.6'	57.6'
15	122°55.8'	45°11.1'	N 22°57.4'	100°09.5'	11.9'	N 4°10.1'	11.6'	57.7'
16	137°58.2'	60°11.0'	N 22°57.6'	114°40.5'	11.9'	N 4°21.7'	11.6'	57.7'
17	153°00.7'	75°10.9'	N 22°57.8'	129°11.4'	11.8'	N 4°33.4'	11.6'	57.7'
18	168°03.2'	90°10.7'	N 22°58.0'	143°42.2'	11.8'	N 4°45.0'	11.6'	57.8'
19	183°05.6'	105°10.6'	N 22°58.2'	158°13.0'	11.7'	N 4°56.6'	11.6'	57.8'
20	198°08.1'	120°10.5'	N 22°58.4'	172°43.7'	11.6'	N 5°08.2'	11.6'	57.9'
21	213°10.6'	135°10.4'	N 22°58.6'	187°14.3'	11.6'	N 5°19.8'	11.6'	57.9'
22	228°13.0'	150°10.2'	N 22°58.8'	201°44.9'	11.5'	N 5°31.3'	11.6'	57.9'
23	243°15.5'	165°10.1'	N 22°59.0'	216°15.4'	11.4'	N 5°42.9'	11.6'	58.0'

Sun Jun 10, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.8'		SD = 15.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	258°18.0'	180°10.0'	N 22°59.2'	230°45.8'	11.4'	N 5°54.5'	11.5'	58.0'
1	273°20.4'	195°09.9'	N 22°59.4'	245°16.2'	11.3'	N 6°06.0'	11.5'	58.0'
2	288°22.9'	210°09.7'	N 22°59.6'	259°46.5'	11.2'	N 6°17.5'	11.5'	58.1'
3	303°25.3'	225°09.6'	N 22°59.8'	274°16.7'	11.2'	N 6°29.0'	11.5'	58.1'
4	318°27.8'	240°09.5'	N 22°60.0'	288°46.9'	11.1'	N 6°40.5'	11.5'	58.2'
5	333°30.3'	255°09.4'	N 23°00.2'	303°17.0'	11.0'	N 6°52.0'	11.4'	58.2'
6	348°32.7'	270°09.2'	N 23°00.4'	317°47.0'	11.0'	N 7°03.4'	11.4'	58.2'
7	3°35.2'	285°09.1'	N 23°00.5'	332°17.0'	10.9'	N 7°14.8'	11.4'	58.3'
8	18°37.7'	300°09.0'	N 23°00.7'	346°46.8'	10.8'	N 7°26.3'	11.4'	58.3'
9	33°40.1'	315°08.9'	N 23°00.9'	1°16.6'	10.7'	N 7°37.6'	11.4'	58.4'
10	48°42.6'	330°08.7'	N 23°01.1'	15°46.4'	10.7'	N 7°49.0'	11.3'	58.4'
11	63°45.1'	345°08.6'	N 23°01.3'	30°16.0'	10.6'	N 8°00.3'	11.3'	58.4'
12	78°47.5'	0°08.5'	N 23°01.5'	44°45.6'	10.5'	N 8°11.6'	11.3'	58.5'
13	93°50.0'	15°08.4'	N 23°01.7'	59°15.1'	10.4'	N 8°22.9'	11.2'	58.5'
14	108°52.4'	30°08.2'	N 23°01.9'	73°44.5'	10.3'	N 8°34.1'	11.2'	58.6'
15	123°54.9'	45°08.1'	N 23°02.0'	88°13.9'	10.3'	N 8°45.4'	11.2'	58.6'
16	138°57.4'	60°08.0'	N 23°02.2'	102°43.2'	10.2'	N 8°56.5'	11.1'	58.6'
17	153°59.8'	75°07.9'	N 23°02.4'	117°12.3'	10.1'	N 9°07.7'	11.1'	58.7'
18	169°02.3'	90°07.7'	N 23°02.6'	131°41.4'	10.0'	N 9°18.8'	11.1'	58.7'
19	184°04.8'	105°07.6'	N 23°02.8'	146°10.5'	9.9'	N 9°29.9'	11.0'	58.7'
20	199°07.2'	120°07.5'	N 23°03.0'	160°39.4'	9.9'	N 9°40.9'	11.0'	58.8'
21	214°09.7'	135°07.4'	N 23°03.1'	175°08.3'	9.8'	N 9°51.9'	11.0'	58.8'
22	229°12.2'	150°07.2'	N 23°03.3'	189°37.1'	9.7'	N 10°02.9'	10.9'	58.9'
23	244°14.6'	165°07.1'	N 23°03.5'	204°05.8'	9.6'	N 10°13.8'	10.9'	58.9'

Mon Jun 11, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.8'		SD = 16.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	259°17.1'	180°07.0'	N 23°03.7'	218°34.4'	9.5'	N 10°24.7'	10.8'	58.9'
1	274°19.6'	195°06.8'	N 23°03.9'	233°02.9'	9.4'	N 10°35.5'	10.8'	59.0'
2	289°22.0'	210°06.7'	N 23°04.0'	247°31.3'	9.4'	N 10°46.3'	10.7'	59.0'
3	304°24.5'	225°06.6'	N 23°04.2'	261°59.7'	9.3'	N 10°57.0'	10.7'	59.0'
4	319°26.9'	240°06.5'	N 23°04.4'	276°28.0'	9.2'	N 11°07.7'	10.6'	59.1'
5	334°29.4'	255°06.3'	N 23°04.6'	290°56.2'	9.1'	N 11°18.3'	10.6'	59.1'
6	349°31.9'	270°06.2'	N 23°04.7'	305°24.3'	9.0'	N 11°28.9'	10.5'	59.1'
7	4°34.3'	285°06.1'	N 23°04.9'	319°52.3'	8.9'	N 11°39.4'	10.5'	59.2'
8	19°36.8'	300°06.0'	N 23°05.1'	334°20.2'	8.8'	N 11°49.9'	10.4'	59.2'
9	34°39.3'	315°05.8'	N 23°05.3'	348°48.0'	8.7'	N 12°00.3'	10.4'	59.3'
10	49°41.7'	330°05.7'	N 23°05.4'	3°15.8'	8.7'	N 12°10.7'	10.3'	59.3'
11	64°44.2'	345°05.6'	N 23°05.6'	17°43.4'	8.6'	N 12°21.0'	10.2'	59.3'
12	79°46.7'	0°05.4'	N 23°05.8'	32°11.0'	8.5'	N 12°31.2'	10.2'	59.4'
13	94°49.1'	15°05.3'	N 23°05.9'	46°38.5'	8.4'	N 12°41.4'	10.1'	59.4'
14	109°51.6'	30°05.2'	N 23°06.1'	61°05.9'	8.3'	N 12°51.5'	10.1'	59.4'
15	124°54.1'	45°05.1'	N 23°06.3'	75°33.2'	8.2'	N 13°01.6'	10.0'	59.5'
16	139°56.5'	60°04.9'	N 23°06.5'	90°00.4'	8.1'	N 13°11.6'	9.9'	59.5'
17	154°59.0'	75°04.8'	N 23°06.6'	104°27.5'	8.0'	N 13°21.5'	9.8'	59.5'
18	170°01.4'	90°04.7'	N 23°06.8'	118°54.5'	7.9'	N 13°31.3'	9.8'	59.6'
19	185°03.9'	105°04.5'	N 23°07.0'	133°21.5'	7.8'	N 13°41.1'	9.7'	59.6'
20	200°06.4'	120°04.4'	N 23°07.1'	147°48.3'	7.8'	N 13°50.8'	9.6'	59.6'
21	215°08.8'	135°04.3'	N 23°07.3'	162°15.1'	7.7'	N 14°00.5'	9.6'	59.7'
22	230°11.3'	150°04.2'	N 23°07.4'	176°41.7'	7.6'	N 14°10.0'	9.5'	59.7'
23	245°13.8'	165°04.0'	N 23°07.6'	191°08.3'	7.5'	N 14°19.5'	9.4'	59.7'

Tue Jun 12, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.7'		SD = 16.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	260°16.2'	180°03.9'	N 23°07.8'	205°34.8'	7.4'	N 14°28.9'	9.3'	59.8'
1	275°18.7'	195°03.8'	N 23°07.9'	220°01.1'	7.3'	N 14°38.2'	9.2'	59.8'
2	290°21.2'	210°03.6'	N 23°08.1'	234°27.4'	7.2'	N 14°47.4'	9.1'	59.8'
3	305°23.6'	225°03.5'	N 23°08.3'	248°53.6'	7.1'	N 14°56.6'	9.1'	59.9'
4	320°26.1'	240°03.4'	N 23°08.4'	263°19.8'	7.0'	N 15°05.6'	9.0'	59.9'
5	335°28.5'	255°03.2'	N 23°08.6'	277°45.8'	6.9'	N 15°14.6'	8.9'	59.9'
6	350°31.0'	270°03.1'	N 23°08.7'	292°11.7'	6.8'	N 15°23.5'	8.8'	59.9'
7	5°33.5'	285°03.0'	N 23°08.9'	306°37.6'	6.8'	N 15°32.3'	8.7'	60.0'
8	20°35.9'	300°02.9'	N 23°09.0'	321°03.3'	6.7'	N 15°41.0'	8.6'	60.0'
9	35°38.4'	315°02.7'	N 23°09.2'	335°29.0'	6.6'	N 15°49.6'	8.5'	60.0'
10	50°40.9'	330°02.6'	N 23°09.4'	349°54.5'	6.5'	N 15°58.2'	8.4'	60.1'
11	65°43.3'	345°02.5'	N 23°09.5'	4°20.0'	6.4'	N 16°06.6'	8.3'	60.1'
12	80°45.8'	0°02.3'	N 23°09.7'	18°45.4'	6.3'	N 16°14.9'	8.2'	60.1'
13	95°48.3'	15°02.2'	N 23°09.8'	33°10.7'	6.2'	N 16°23.1'	8.1'	60.2'
14	110°50.7'	30°02.1'	N 23°10.0'	47°35.9'	6.1'	N 16°31.3'	8.0'	60.2'
15	125°53.2'	45°01.9'	N 23°10.1'	62°01.1'	6.0'	N 16°39.3'	7.9'	60.2'
16	140°55.7'	60°01.8'	N 23°10.3'	76°26.1'	6.0'	N 16°47.2'	7.8'	60.2'
17	155°58.1'	75°01.7'	N 23°10.4'	90°51.1'	5.9'	N 16°55.0'	7.7'	60.3'
18	171°00.6'	90°01.6'	N 23°10.6'	105°15.9'	5.8'	N 17°02.7'	7.6'	60.3'
19	186°03.0'	105°01.4'	N 23°10.7'	119°40.7'	5.7'	N 17°10.3'	7.5'	60.3'
20	201°05.5'	120°01.3'	N 23°10.9'	134°05.4'	5.6'	N 17°17.8'	7.4'	60.3'
21	216°08.0'	135°01.2'	N 23°11.0'	148°30.0'	5.5'	N 17°25.2'	7.3'	60.4'
22	231°10.4'	150°01.0'	N 23°11.2'	162°54.6'	5.5'	N 17°32.5'	7.2'	60.4'
23	246°12.9'	165°00.9'	N 23°11.3'	177°19.0'	5.4'	N 17°39.6'	7.0'	60.4'

Wed Jun 13, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 16.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	261°15.4'	180°00.8'	N 23°11.4'	191°43.4'	5.3'	N 17°46.7'	6.9'	60.4'
1	276°17.8'	195°00.6'	N 23°11.6'	206°07.7'	5.2'	N 17°53.6'	6.8'	60.5'
2	291°20.3'	210°00.5'	N 23°11.7'	220°31.9'	5.1'	N 18°00.4'	6.7'	60.5'
3	306°22.8'	225°00.4'	N 23°11.9'	234°56.0'	5.1'	N 18°07.1'	6.6'	60.5'
4	321°25.2'	240°00.2'	N 23°12.0'	249°20.1'	5.0'	N 18°13.6'	6.4'	60.5'
5	336°27.7'	255°00.1'	N 23°12.2'	263°44.0'	4.9'	N 18°20.1'	6.3'	60.5'
6	351°30.2'	269°60.0'	N 23°12.3'	278°07.9'	4.8'	N 18°26.4'	6.2'	60.6'
7	6°32.6'	284°59.8'	N 23°12.4'	292°31.8'	4.8'	N 18°32.6'	6.1'	60.6'
8	21°35.1'	299°59.7'	N 23°12.6'	306°55.5'	4.7'	N 18°38.6'	5.9'	60.6'
9	36°37.5'	314°59.6'	N 23°12.7'	321°19.2'	4.6'	N 18°44.6'	5.8'	60.6'
10	51°40.0'	329°59.4'	N 23°12.9'	335°42.8'	4.5'	N 18°50.4'	5.7'	60.6'
11	66°42.5'	344°59.3'	N 23°13.0'	350°06.4'	4.5'	N 18°56.0'	5.5'	60.7'
12	81°44.9'	359°59.2'	N 23°13.1'	4°29.8'	4.4'	N 19°01.6'	5.4'	60.7'
13	96°47.4'	14°59.1'	N 23°13.3'	18°53.2'	4.3'	N 19°07.0'	5.3'	60.7'
14	111°49.9'	29°58.9'	N 23°13.4'	33°16.6'	4.3'	N 19°12.3'	5.1'	60.7'
15	126°52.3'	44°58.8'	N 23°13.5'	47°39.9'	4.2'	N 19°17.4'	5.0'	60.7'
16	141°54.8'	59°58.7'	N 23°13.7'	62°03.1'	4.2'	N 19°22.4'	4.9'	60.7'
17	156°57.3'	74°58.5'	N 23°13.8'	76°26.2'	4.1'	N 19°27.3'	4.7'	60.8'
18	171°59.7'	89°58.4'	N 23°13.9'	90°49.3'	4.0'	N 19°32.0'	4.6'	60.8'
19	187°02.2'	104°58.3'	N 23°14.1'	105°12.4'	4.0'	N 19°36.6'	4.4'	60.8'
20	202°04.7'	119°58.1'	N 23°14.2'	119°35.3'	3.9'	N 19°41.0'	4.3'	60.8'
21	217°07.1'	134°58.0'	N 23°14.3'	133°58.3'	3.9'	N 19°45.3'	4.2'	60.8'
22	232°09.6'	149°57.9'	N 23°14.5'	148°21.1'	3.8'	N 19°49.5'	4.0'	60.8'
23	247°12.0'	164°57.7'	N 23°14.6'	162°44.0'	3.8'	N 19°53.5'	3.9'	60.8'

Thu Jun 14, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	262°14.5'	179°57.6'	N 23°14.7'	177°06.7'	3.7'	N 19°57.4'	3.7'	60.9'
1	277°17.0'	194°57.5'	N 23°14.8'	191°29.5'	3.7'	N 20°01.1'	3.6'	60.9'
2	292°19.4'	209°57.3'	N 23°15.0'	205°52.1'	3.6'	N 20°04.7'	3.4'	60.9'
3	307°21.9'	224°57.2'	N 23°15.1'	220°14.8'	3.6'	N 20°08.2'	3.3'	60.9'
4	322°24.4'	239°57.1'	N 23°15.2'	234°37.4'	3.6'	N 20°11.4'	3.1'	60.9'
5	337°26.8'	254°56.9'	N 23°15.3'	248°59.9'	3.5'	N 20°14.6'	3.0'	60.9'
6	352°29.3'	269°56.8'	N 23°15.5'	263°22.4'	3.5'	N 20°17.6'	2.8'	60.9'
7	7°31.8'	284°56.7'	N 23°15.6'	277°44.9'	3.4'	N 20°20.4'	2.7'	60.9'
8	22°34.2'	299°56.5'	N 23°15.7'	292°07.4'	3.4'	N 20°23.1'	2.5'	60.9'
9	37°36.7'	314°56.4'	N 23°15.8'	306°29.8'	3.4'	N 20°25.6'	2.4'	60.9'
10	52°39.2'	329°56.3'	N 23°16.0'	320°52.1'	3.3'	N 20°28.0'	2.2'	60.9'
11	67°41.6'	344°56.1'	N 23°16.1'	335°14.5'	3.3'	N 20°30.3'	2.1'	61.0'
12	82°44.1'	359°56.0'	N 23°16.2'	349°36.8'	3.3'	N 20°32.4'	1.9'	61.0'
13	97°46.5'	14°55.9'	N 23°16.3'	3°59.1'	3.3'	N 20°34.3'	1.8'	61.0'
14	112°49.0'	29°55.7'	N 23°16.4'	18°21.4'	3.3'	N 20°36.1'	1.6'	61.0'
15	127°51.5'	44°55.6'	N 23°16.6'	32°43.6'	3.2'	N 20°37.7'	1.5'	61.0'
16	142°53.9'	59°55.5'	N 23°16.7'	47°05.9'	3.2'	N 20°39.1'	1.3'	61.0'
17	157°56.4'	74°55.3'	N 23°16.8'	61°28.1'	3.2'	N 20°40.5'	1.2'	61.0'
18	172°58.9'	89°55.2'	N 23°16.9'	75°50.3'	3.2'	N 20°41.6'	1.0'	61.0'
19	188°01.3'	104°55.1'	N 23°17.0'	90°12.5'	3.2'	N 20°42.6'	0.8'	61.0'
20	203°03.8'	119°54.9'	N 23°17.1'	104°34.7'	3.2'	N 20°43.5'	0.7'	61.0'
21	218°06.3'	134°54.8'	N 23°17.2'	118°56.8'	3.2'	N 20°44.1'	0.5'	61.0'
22	233°08.7'	149°54.7'	N 23°17.4'	133°19.0'	3.2'	N 20°44.7'	0.4'	61.0'
23	248°11.2'	164°54.5'	N 23°17.5'	147°41.2'	3.2'	N 20°45.1'	0.2'	61.0'

Fri Jun 15, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	263°13.7'	179°54.4'	N 23°17.6'	162°03.3'	3.2'	N 20°45.3'	0.1'	61.0'
1	278°16.1'	194°54.3'	N 23°17.7'	176°25.5'	3.2'	N 20°45.3'	0.1'	61.0'
2	293°18.6'	209°54.1'	N 23°17.8'	190°47.6'	3.2'	N 20°45.2'	0.2'	61.0'
3	308°21.0'	224°54.0'	N 23°17.9'	205°09.8'	3.2'	N 20°45.0'	0.4'	61.0'
4	323°23.5'	239°53.9'	N 23°18.0'	219°32.0'	3.2'	N 20°44.6'	0.6'	61.0'
5	338°26.0'	254°53.7'	N 23°18.1'	233°54.2'	3.2'	N 20°44.0'	0.7'	61.0'
6	353°28.4'	269°53.6'	N 23°18.2'	248°16.4'	3.2'	N 20°43.3'	0.9'	61.0'
7	8°30.9'	284°53.4'	N 23°18.3'	262°38.6'	3.2'	N 20°42.4'	1.0'	61.0'
8	23°33.4'	299°53.3'	N 23°18.4'	277°00.8'	3.2'	N 20°41.4'	1.2'	61.0'
9	38°35.8'	314°53.2'	N 23°18.5'	291°23.0'	3.3'	N 20°40.2'	1.3'	61.0'
10	53°38.3'	329°53.0'	N 23°18.6'	305°45.3'	3.3'	N 20°38.9'	1.5'	61.0'
11	68°40.8'	344°52.9'	N 23°18.8'	320°07.6'	3.3'	N 20°37.4'	1.6'	61.0'
12	83°43.2'	359°52.8'	N 23°18.9'	334°29.9'	3.3'	N 20°35.8'	1.8'	60.9'
13	98°45.7'	14°52.6'	N 23°19.0'	348°52.2'	3.4'	N 20°34.0'	2.0'	60.9'
14	113°48.1'	29°52.5'	N 23°19.1'	3°14.6'	3.4'	N 20°32.0'	2.1'	60.9'
15	128°50.6'	44°52.4'	N 23°19.2'	17°36.9'	3.4'	N 20°29.9'	2.3'	60.9'
16	143°53.1'	59°52.2'	N 23°19.3'	31°59.4'	3.4'	N 20°27.6'	2.4'	60.9'
17	158°55.5'	74°52.1'	N 23°19.4'	46°21.8'	3.5'	N 20°25.2'	2.6'	60.9'
18	173°58.0'	89°52.0'	N 23°19.5'	60°44.3'	3.5'	N 20°22.7'	2.7'	60.9'
19	189°00.5'	104°51.8'	N 23°19.6'	75°06.8'	3.6'	N 20°20.0'	2.9'	60.9'
20	204°02.9'	119°51.7'	N 23°19.6'	89°29.4'	3.6'	N 20°17.1'	3.0'	60.9'
21	219°05.4'	134°51.6'	N 23°19.7'	103°52.0'	3.6'	N 20°14.1'	3.2'	60.9'
22	234°07.9'	149°51.4'	N 23°19.8'	118°14.6'	3.7'	N 20°10.9'	3.3'	60.9'
23	249°10.3'	164°51.3'	N 23°19.9'	132°37.3'	3.7'	N 20°07.6'	3.5'	60.8'

Sat Jun 16, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	264°12.8'	179°51.2'	N 23°20.0'	147°00.0'	3.8'	N 20°04.2'	3.6'	60.8'
1	279°15.3'	194°51.0'	N 23°20.1'	161°22.8'	3.8'	N 20°00.6'	3.7'	60.8'
2	294°17.7'	209°50.9'	N 23°20.2'	175°45.6'	3.9'	N 19°56.8'	3.9'	60.8'
3	309°20.2'	224°50.7'	N 23°20.3'	190°08.5'	3.9'	N 19°52.9'	4.0'	60.8'
4	324°22.6'	239°50.6'	N 23°20.4'	204°31.5'	4.0'	N 19°48.9'	4.2'	60.8'
5	339°25.1'	254°50.5'	N 23°20.5'	218°54.4'	4.0'	N 19°44.7'	4.3'	60.8'
6	354°27.6'	269°50.3'	N 23°20.6'	233°17.5'	4.1'	N 19°40.4'	4.5'	60.7'
7	9°30.0'	284°50.2'	N 23°20.7'	247°40.6'	4.2'	N 19°36.0'	4.6'	60.7'
8	24°32.5'	299°50.1'	N 23°20.8'	262°03.7'	4.2'	N 19°31.4'	4.7'	60.7'
9	39°35.0'	314°49.9'	N 23°20.8'	276°27.0'	4.3'	N 19°26.6'	4.9'	60.7'
10	54°37.4'	329°49.8'	N 23°20.9'	290°50.2'	4.3'	N 19°21.8'	5.0'	60.7'
11	69°39.9'	344°49.7'	N 23°21.0'	305°13.6'	4.4'	N 19°16.8'	5.1'	60.7'
12	84°42.4'	359°49.5'	N 23°21.1'	319°37.0'	4.5'	N 19°11.6'	5.3'	60.7'
13	99°44.8'	14°49.4'	N 23°21.2'	334°00.5'	4.5'	N 19°06.3'	5.4'	60.6'
14	114°47.3'	29°49.3'	N 23°21.3'	348°24.0'	4.6'	N 19°00.9'	5.5'	60.6'
15	129°49.8'	44°49.1'	N 23°21.3'	2°47.6'	4.7'	N 18°55.4'	5.7'	60.6'
16	144°52.2'	59°49.0'	N 23°21.4'	17°11.3'	4.7'	N 18°49.7'	5.8'	60.6'
17	159°54.7'	74°48.9'	N 23°21.5'	31°35.1'	4.8'	N 18°43.9'	5.9'	60.6'
18	174°57.1'	89°48.7'	N 23°21.6'	45°58.9'	4.9'	N 18°38.0'	6.1'	60.5'
19	189°59.6'	104°48.6'	N 23°21.7'	60°22.8'	5.0'	N 18°31.9'	6.2'	60.5'
20	205°02.1'	119°48.4'	N 23°21.8'	74°46.7'	5.0'	N 18°25.7'	6.3'	60.5'
21	220°04.5'	134°48.3'	N 23°21.8'	89°10.8'	5.1'	N 18°19.4'	6.4'	60.5'
22	235°07.0'	149°48.2'	N 23°21.9'	103°34.9'	5.2'	N 18°13.0'	6.5'	60.5'
23	250°09.5'	164°48.0'	N 23°22.0'	117°59.1'	5.3'	N 18°06.5'	6.7'	60.4'

Sun Jun 17, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 16.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	265°11.9'	179°47.9'	N 23°22.1'	132°23.4'	5.4'	N 17°59.8'	6.8'	60.4'
1	280°14.4'	194°47.8'	N 23°22.1'	146°47.7'	5.4'	N 17°53.0'	6.9'	60.4'
2	295°16.9'	209°47.6'	N 23°22.2'	161°12.1'	5.5'	N 17°46.1'	7.0'	60.4'
3	310°19.3'	224°47.5'	N 23°22.3'	175°36.7'	5.6'	N 17°39.1'	7.1'	60.3'
4	325°21.8'	239°47.4'	N 23°22.4'	190°01.2'	5.7'	N 17°31.9'	7.3'	60.3'
5	340°24.3'	254°47.2'	N 23°22.4'	204°25.9'	5.8'	N 17°24.7'	7.4'	60.3'
6	355°26.7'	269°47.1'	N 23°22.5'	218°50.7'	5.8'	N 17°17.3'	7.5'	60.3'
7	10°29.2'	284°46.9'	N 23°22.6'	233°15.5'	5.9'	N 17°09.8'	7.6'	60.3'
8	25°31.6'	299°46.8'	N 23°22.7'	247°40.4'	6.0'	N 17°02.3'	7.7'	60.2'
9	40°34.1'	314°46.7'	N 23°22.7'	262°05.4'	6.1'	N 16°54.6'	7.8'	60.2'
10	55°36.6'	329°46.5'	N 23°22.8'	276°30.5'	6.2'	N 16°46.8'	7.9'	60.2'
11	70°39.0'	344°46.4'	N 23°22.9'	290°55.7'	6.3'	N 16°38.9'	8.0'	60.2'
12	85°41.5'	359°46.3'	N 23°22.9'	305°21.0'	6.3'	N 16°30.9'	8.1'	60.1'
13	100°44.0'	14°46.1'	N 23°23.0'	319°46.3'	6.4'	N 16°22.8'	8.2'	60.1'
14	115°46.4'	29°46.0'	N 23°23.1'	334°11.7'	6.5'	N 16°14.6'	8.3'	60.1'
15	130°48.9'	44°45.9'	N 23°23.1'	348°37.2'	6.6'	N 16°06.2'	8.4'	60.0'
16	145°51.4'	59°45.7'	N 23°23.2'	3°02.8'	6.7'	N 15°57.8'	8.5'	60.0'
17	160°53.8'	74°45.6'	N 23°23.3'	17°28.5'	6.8'	N 15°49.3'	8.6'	60.0'
18	175°56.3'	89°45.4'	N 23°23.3'	31°54.3'	6.9'	N 15°40.7'	8.7'	60.0'
19	190°58.8'	104°45.3'	N 23°23.4'	46°20.2'	7.0'	N 15°32.1'	8.8'	59.9'
20	206°01.2'	119°45.2'	N 23°23.4'	60°46.1'	7.0'	N 15°23.3'	8.9'	59.9'
21	221°03.7'	134°45.0'	N 23°23.5'	75°12.2'	7.1'	N 15°14.4'	9.0'	59.9'
22	236°06.1'	149°44.9'	N 23°23.6'	89°38.3'	7.2'	N 15°05.5'	9.0'	59.9'
23	251°08.6'	164°44.8'	N 23°23.6'	104°04.5'	7.3'	N 14°56.4'	9.1'	59.8'

Mon Jun 18, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 16.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	266°11.1'	179°44.6'	N 23°23.7'	118°30.8'	7.4'	N 14°47.3'	9.2'	59.8'
1	281°13.5'	194°44.5'	N 23°23.7'	132°57.2'	7.5'	N 14°38.1'	9.3'	59.8'
2	296°16.0'	209°44.4'	N 23°23.8'	147°23.7'	7.6'	N 14°28.8'	9.4'	59.7'
3	311°18.5'	224°44.2'	N 23°23.9'	161°50.2'	7.6'	N 14°19.4'	9.5'	59.7'
4	326°20.9'	239°44.1'	N 23°23.9'	176°16.9'	7.7'	N 14°09.9'	9.5'	59.7'
5	341°23.4'	254°43.9'	N 23°24.0'	190°43.6'	7.8'	N 14°00.4'	9.6'	59.7'
6	356°25.9'	269°43.8'	N 23°24.0'	205°10.4'	7.9'	N 13°50.8'	9.7'	59.6'
7	11°28.3'	284°43.7'	N 23°24.1'	219°37.3'	8.0'	N 13°41.1'	9.8'	59.6'
8	26°30.8'	299°43.5'	N 23°24.1'	234°04.3'	8.1'	N 13°31.3'	9.8'	59.6'
9	41°33.2'	314°43.4'	N 23°24.2'	248°31.4'	8.2'	N 13°21.5'	9.9'	59.5'
10	56°35.7'	329°43.3'	N 23°24.2'	262°58.6'	8.3'	N 13°11.6'	10.0'	59.5'
11	71°38.2'	344°43.1'	N 23°24.3'	277°25.8'	8.3'	N 13°01.6'	10.0'	59.5'
12	86°40.6'	359°43.0'	N 23°24.3'	291°53.2'	8.4'	N 12°51.6'	10.1'	59.4'
13	101°43.1'	14°42.9'	N 23°24.4'	306°20.6'	8.5'	N 12°41.4'	10.2'	59.4'
14	116°45.6'	29°42.7'	N 23°24.4'	320°48.1'	8.6'	N 12°31.3'	10.2'	59.4'
15	131°48.0'	44°42.6'	N 23°24.5'	335°15.7'	8.7'	N 12°21.0'	10.3'	59.4'
16	146°50.5'	59°42.4'	N 23°24.5'	349°43.4'	8.8'	N 12°10.7'	10.4'	59.3'
17	161°53.0'	74°42.3'	N 23°24.6'	4°11.1'	8.8'	N 12°00.4'	10.4'	59.3'
18	176°55.4'	89°42.2'	N 23°24.6'	18°39.0'	8.9'	N 11°49.9'	10.5'	59.3'
19	191°57.9'	104°42.0'	N 23°24.7'	33°06.9'	9.0'	N 11°39.5'	10.5'	59.2'
20	207°00.4'	119°41.9'	N 23°24.7'	47°34.9'	9.1'	N 11°28.9'	10.6'	59.2'
21	222°02.8'	134°41.8'	N 23°24.8'	62°03.0'	9.2'	N 11°18.3'	10.6'	59.2'
22	237°05.3'	149°41.6'	N 23°24.8'	76°31.2'	9.2'	N 11°07.7'	10.7'	59.1'
23	252°07.7'	164°41.5'	N 23°24.9'	90°59.4'	9.3'	N 10°57.0'	10.8'	59.1'

Tue Jun 19, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.0' SD = 15.7'		SD = 16.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	267°10.2'	179°41.4'	N 23°24.9'	105°27.7'	9.4'	N 10°46.2'	10.8'	59.1'
1	282°12.7'	194°41.2'	N 23°24.9'	119°56.2'	9.5'	N 10°35.4'	10.9'	59.0'
2	297°15.1'	209°41.1'	N 23°25.0'	134°24.6'	9.6'	N 10°24.6'	10.9'	59.0'
3	312°17.6'	224°40.9'	N 23°25.0'	148°53.2'	9.6'	N 10°13.7'	10.9'	59.0'
4	327°20.1'	239°40.8'	N 23°25.1'	163°21.8'	9.7'	N 10°02.7'	11.0'	58.9'
5	342°22.5'	254°40.7'	N 23°25.1'	177°50.6'	9.8'	N 9°51.7'	11.0'	58.9'
6	357°25.0'	269°40.5'	N 23°25.1'	192°19.3'	9.9'	N 9°40.7'	11.1'	58.9'
7	12°27.5'	284°40.4'	N 23°25.2'	206°48.2'	9.9'	N 9°29.6'	11.1'	58.8'
8	27°29.9'	299°40.3'	N 23°25.2'	221°17.2'	10.0'	N 9°18.5'	11.2'	58.8'
9	42°32.4'	314°40.1'	N 23°25.2'	235°46.2'	10.1'	N 9°07.4'	11.2'	58.8'
10	57°34.9'	329°40.0'	N 23°25.3'	250°15.3'	10.2'	N 8°56.2'	11.2'	58.7'
11	72°37.3'	344°39.9'	N 23°25.3'	264°44.4'	10.2'	N 8°45.0'	11.3'	58.7'
12	87°39.8'	359°39.7'	N 23°25.4'	279°13.7'	10.3'	N 8°33.7'	11.3'	58.7'
13	102°42.2'	14°39.6'	N 23°25.4'	293°43.0'	10.4'	N 8°22.4'	11.3'	58.6'
14	117°44.7'	29°39.4'	N 23°25.4'	308°12.3'	10.4'	N 8°11.1'	11.4'	58.6'
15	132°47.2'	44°39.3'	N 23°25.4'	322°41.8'	10.5'	N 7°59.7'	11.4'	58.6'
16	147°49.6'	59°39.2'	N 23°25.5'	337°11.3'	10.6'	N 7°48.3'	11.4'	58.5'
17	162°52.1'	74°39.0'	N 23°25.5'	351°40.9'	10.6'	N 7°36.9'	11.5'	58.5'
18	177°54.6'	89°38.9'	N 23°25.5'	6°10.5'	10.7'	N 7°25.4'	11.5'	58.5'
19	192°57.0'	104°38.8'	N 23°25.6'	20°40.2'	10.8'	N 7°14.0'	11.5'	58.4'
20	207°59.5'	119°38.6'	N 23°25.6'	35°10.0'	10.8'	N 7°02.5'	11.5'	58.4'
21	223°02.0'	134°38.5'	N 23°25.6'	49°39.8'	10.9'	N 6°50.9'	11.6'	58.4'
22	238°04.4'	149°38.4'	N 23°25.6'	64°09.7'	11.0'	N 6°39.4'	11.6'	58.4'
23	253°06.9'	164°38.2'	N 23°25.7'	78°39.7'	11.0'	N 6°27.8'	11.6'	58.3'

Wed Jun 20, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.0' SD = 15.7'		SD = 15.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	268°09.3'	179°38.1'	N 23°25.7'	93°09.7'	11.1'	N 6°16.2'	11.6'	58.3'
1	283°11.8'	194°37.9'	N 23°25.7'	107°39.8'	11.1'	N 6°04.6'	11.6'	58.3'
2	298°14.3'	209°37.8'	N 23°25.7'	122°09.9'	11.2'	N 5°53.0'	11.7'	58.2'
3	313°16.7'	224°37.7'	N 23°25.8'	136°40.2'	11.3'	N 5°41.3'	11.7'	58.2'
4	328°19.2'	239°37.5'	N 23°25.8'	151°10.4'	11.3'	N 5°29.6'	11.7'	58.2'
5	343°21.7'	254°37.4'	N 23°25.8'	165°40.7'	11.4'	N 5°18.0'	11.7'	58.1'
6	358°24.1'	269°37.3'	N 23°25.8'	180°11.1'	11.4'	N 5°06.3'	11.7'	58.1'
7	13°26.6'	284°37.1'	N 23°25.9'	194°41.6'	11.5'	N 4°54.6'	11.7'	58.1'
8	28°29.1'	299°37.0'	N 23°25.9'	209°12.0'	11.5'	N 4°42.8'	11.7'	58.0'
9	43°31.5'	314°36.9'	N 23°25.9'	223°42.6'	11.6'	N 4°31.1'	11.7'	58.0'
10	58°34.0'	329°36.7'	N 23°25.9'	238°13.2'	11.6'	N 4°19.4'	11.8'	58.0'
11	73°36.5'	344°36.6'	N 23°25.9'	252°43.8'	11.7'	N 4°07.6'	11.8'	57.9'
12	88°38.9'	359°36.4'	N 23°25.9'	267°14.5'	11.7'	N 3°55.8'	11.8'	57.9'
13	103°41.4'	14°36.3'	N 23°26.0'	281°45.3'	11.8'	N 3°44.1'	11.8'	57.9'
14	118°43.8'	29°36.2'	N 23°26.0'	296°16.1'	11.8'	N 3°32.3'	11.8'	57.8'
15	133°46.3'	44°36.0'	N 23°26.0'	310°46.9'	11.9'	N 3°20.5'	11.8'	57.8'
16	148°48.8'	59°35.9'	N 23°26.0'	325°17.8'	11.9'	N 3°08.7'	11.8'	57.8'
17	163°51.2'	74°35.8'	N 23°26.0'	339°48.8'	12.0'	N 2°57.0'	11.8'	57.7'
18	178°53.7'	89°35.6'	N 23°26.0'	354°19.7'	12.0'	N 2°45.2'	11.8'	57.7'
19	193°56.2'	104°35.5'	N 23°26.0'	8°50.8'	12.1'	N 2°33.4'	11.8'	57.7'
20	208°58.6'	119°35.4'	N 23°26.0'	23°21.8'	12.1'	N 2°21.6'	11.8'	57.6'
21	224°01.1'	134°35.2'	N 23°26.1'	37°53.0'	12.2'	N 2°09.8'	11.8'	57.6'
22	239°03.6'	149°35.1'	N 23°26.1'	52°24.1'	12.2'	N 1°58.0'	11.8'	57.6'
23	254°06.0'	164°34.9'	N 23°26.1'	66°55.3'	12.2'	N 1°46.2'	11.8'	57.5'

Thu Jun 21, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.0' SD = 15.7'		SD = 15.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	269°08.5'	179°34.8'	N 23°26.1'	81°26.6'	12.3'	N 1°34.5'	11.8'	57.5'
1	284°11.0'	194°34.7'	N 23°26.1'	95°57.9'	12.3'	N 1°22.7'	11.8'	57.5'
2	299°13.4'	209°34.5'	N 23°26.1'	110°29.2'	12.4'	N 1°10.9'	11.8'	57.5'
3	314°15.9'	224°34.4'	N 23°26.1'	125°00.5'	12.4'	N 0°59.1'	11.8'	57.4'
4	329°18.3'	239°34.3'	N 23°26.1'	139°31.9'	12.4'	N 0°47.4'	11.7'	57.4'
5	344°20.8'	254°34.1'	N 23°26.1'	154°03.3'	12.5'	N 0°35.6'	11.7'	57.4'
6	359°23.3'	269°34.0'	N 23°26.1'	168°34.8'	12.5'	N 0°23.9'	11.7'	57.3'
7	14°25.7'	284°33.9'	N 23°26.1'	183°06.3'	12.5'	N 0°12.2'	11.7'	57.3'
8	29°28.2'	299°33.7'	N 23°26.1'	197°37.8'	12.6'	N 0°00.5'	11.7'	57.3'
9	44°30.7'	314°33.6'	N 23°26.1'	212°09.4'	12.6'	S 0°11.2'	11.7'	57.2'
10	59°33.1'	329°33.4'	N 23°26.1'	226°41.0'	12.6'	S 0°22.9'	11.7'	57.2'
11	74°35.6'	344°33.3'	N 23°26.1'	241°12.6'	12.7'	S 0°34.6'	11.7'	57.2'
12	89°38.1'	359°33.2'	N 23°26.1'	255°44.3'	12.7'	S 0°46.3'	11.6'	57.1'
13	104°40.5'	14°33.0'	N 23°26.1'	270°16.0'	12.7'	S 0°57.9'	11.6'	57.1'
14	119°43.0'	29°32.9'	N 23°26.1'	284°47.7'	12.7'	S 1°09.5'	11.6'	57.1'
15	134°45.4'	44°32.8'	N 23°26.1'	299°19.4'	12.8'	S 1°21.1'	11.6'	57.1'
16	149°47.9'	59°32.6'	N 23°26.1'	313°51.2'	12.8'	S 1°32.7'	11.6'	57.0'
17	164°50.4'	74°32.5'	N 23°26.1'	328°23.0'	12.8'	S 1°44.3'	11.6'	57.0'
18	179°52.8'	89°32.4'	N 23°26.1'	342°54.8'	12.8'	S 1°55.9'	11.5'	57.0'
19	194°55.3'	104°32.2'	N 23°26.1'	357°26.6'	12.9'	S 2°07.4'	11.5'	56.9'
20	209°57.8'	119°32.1'	N 23°26.1'	11°58.5'	12.9'	S 2°18.9'	11.5'	56.9'
21	225°00.2'	134°32.0'	N 23°26.1'	26°30.4'	12.9'	S 2°30.4'	11.5'	56.9'
22	240°02.7'	149°31.8'	N 23°26.1'	41°02.3'	12.9'	S 2°41.9'	11.4'	56.9'
23	255°05.2'	164°31.7'	N 23°26.1'	55°34.2'	12.9'	S 2°53.3'	11.4'	56.8'

Fri Jun 22, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.0' SD = 15.7'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	270°07.6'	179°31.5'	N 23°26.0'	70°06.1'	13.0'	S 3°04.7'	11.4'	56.8'
1	285°10.1'	194°31.4'	N 23°26.0'	84°38.1'	13.0'	S 3°16.1'	11.4'	56.8'
2	300°12.6'	209°31.3'	N 23°26.0'	99°10.1'	13.0'	S 3°27.5'	11.3'	56.7'
3	315°15.0'	224°31.1'	N 23°26.0'	113°42.1'	13.0'	S 3°38.8'	11.3'	56.7'
4	330°17.5'	239°31.0'	N 23°26.0'	128°14.1'	13.0'	S 3°50.1'	11.3'	56.7'
5	345°19.9'	254°30.9'	N 23°26.0'	142°46.1'	13.0'	S 4°01.4'	11.3'	56.7'
6	0°22.4'	269°30.7'	N 23°26.0'	157°18.1'	13.1'	S 4°12.7'	11.2'	56.6'
7	15°24.9'	284°30.6'	N 23°26.0'	171°50.2'	13.1'	S 4°23.9'	11.2'	56.6'
8	30°27.3'	299°30.5'	N 23°25.9'	186°22.3'	13.1'	S 4°35.1'	11.2'	56.6'
9	45°29.8'	314°30.3'	N 23°25.9'	200°54.3'	13.1'	S 4°46.3'	11.1'	56.5'
10	60°32.3'	329°30.2'	N 23°25.9'	215°26.4'	13.1'	S 4°57.4'	11.1'	56.5'
11	75°34.7'	344°30.1'	N 23°25.9'	229°58.5'	13.1'	S 5°08.5'	11.1'	56.5'
12	90°37.2'	359°29.9'	N 23°25.9'	244°30.6'	13.1'	S 5°19.6'	11.0'	56.5'
13	105°39.7'	14°29.8'	N 23°25.9'	259°02.8'	13.1'	S 5°30.6'	11.0'	56.4'
14	120°42.1'	29°29.7'	N 23°25.8'	273°34.9'	13.1'	S 5°41.6'	11.0'	56.4'
15	135°44.6'	44°29.5'	N 23°25.8'	288°07.0'	13.1'	S 5°52.5'	10.9'	56.4'
16	150°47.1'	59°29.4'	N 23°25.8'	302°39.2'	13.1'	S 6°03.5'	10.9'	56.4'
17	165°49.5'	74°29.2'	N 23°25.8'	317°11.3'	13.2'	S 6°14.3'	10.8'	56.3'
18	180°52.0'	89°29.1'	N 23°25.8'	331°43.5'	13.2'	S 6°25.2'	10.8'	56.3'
19	195°54.4'	104°29.0'	N 23°25.7'	346°15.6'	13.2'	S 6°36.0'	10.8'	56.3'
20	210°56.9'	119°28.8'	N 23°25.7'	0°47.8'	13.2'	S 6°46.8'	10.7'	56.3'
21	225°59.4'	134°28.7'	N 23°25.7'	15°20.0'	13.2'	S 6°57.5'	10.7'	56.2'
22	241°01.8'	149°28.6'	N 23°25.7'	29°52.1'	13.2'	S 7°08.2'	10.6'	56.2'
23	256°04.3'	164°28.4'	N 23°25.6'	44°24.3'	13.2'	S 7°18.8'	10.6'	56.2'

Sat Jun 23, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.0' SD = 15.7'		SD = 15.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	271°06.8'	179°28.3'	N 23°25.6'	58°56.5'	13.2'	S 7°29.4'	10.6'	56.1'
1	286°09.2'	194°28.2'	N 23°25.6'	73°28.6'	13.2'	S 7°40.0'	10.5'	56.1'
2	301°11.7'	209°28.0'	N 23°25.5'	88°00.8'	13.2'	S 7°50.5'	10.5'	56.1'
3	316°14.2'	224°27.9'	N 23°25.5'	102°33.0'	13.2'	S 8°01.0'	10.4'	56.1'
4	331°16.6'	239°27.8'	N 23°25.5'	117°05.2'	13.2'	S 8°11.4'	10.4'	56.0'
5	346°19.1'	254°27.6'	N 23°25.5'	131°37.3'	13.2'	S 8°21.8'	10.3'	56.0'
6	1°21.5'	269°27.5'	N 23°25.4'	146°09.5'	13.2'	S 8°32.1'	10.3'	56.0'
7	16°24.0'	284°27.4'	N 23°25.4'	160°41.7'	13.2'	S 8°42.4'	10.2'	56.0'
8	31°26.5'	299°27.2'	N 23°25.4'	175°13.8'	13.2'	S 8°52.6'	10.2'	56.0'
9	46°28.9'	314°27.1'	N 23°25.3'	189°46.0'	13.2'	S 9°02.8'	10.1'	55.9'
10	61°31.4'	329°27.0'	N 23°25.3'	204°18.1'	13.1'	S 9°12.9'	10.1'	55.9'
11	76°33.9'	344°26.8'	N 23°25.3'	218°50.3'	13.1'	S 9°23.0'	10.0'	55.9'
12	91°36.3'	359°26.7'	N 23°25.2'	233°22.4'	13.1'	S 9°33.1'	10.0'	55.9'
13	106°38.8'	14°26.6'	N 23°25.2'	247°54.6'	13.1'	S 9°43.0'	9.9'	55.8'
14	121°41.3'	29°26.4'	N 23°25.2'	262°26.7'	13.1'	S 9°53.0'	9.9'	55.8'
15	136°43.7'	44°26.3'	N 23°25.1'	276°58.8'	13.1'	S 10°02.9'	9.8'	55.8'
16	151°46.2'	59°26.2'	N 23°25.1'	291°30.9'	13.1'	S 10°12.7'	9.8'	55.8'
17	166°48.7'	74°26.0'	N 23°25.0'	306°03.0'	13.1'	S 10°22.5'	9.7'	55.7'
18	181°51.1'	89°25.9'	N 23°25.0'	320°35.1'	13.1'	S 10°32.2'	9.7'	55.7'
19	196°53.6'	104°25.8'	N 23°25.0'	335°07.2'	13.1'	S 10°41.8'	9.6'	55.7'
20	211°56.0'	119°25.6'	N 23°24.9'	349°39.3'	13.1'	S 10°51.5'	9.6'	55.7'
21	226°58.5'	134°25.5'	N 23°24.9'	4°11.3'	13.1'	S 11°01.0'	9.5'	55.7'
22	242°01.0'	149°25.4'	N 23°24.8'	18°43.4'	13.0'	S 11°10.5'	9.4'	55.6'
23	257°03.4'	164°25.2'	N 23°24.8'	33°15.4'	13.0'	S 11°19.9'	9.4'	55.6'

Sun Jun 24, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	272°05.9'	179°25.1'	N 23°24.7'	47°47.4'	13.0'	S 11°29.3'	9.3'	55.6'
1	287°08.4'	194°24.9'	N 23°24.7'	62°19.5'	13.0'	S 11°38.6'	9.3'	55.6'
2	302°10.8'	209°24.8'	N 23°24.7'	76°51.5'	13.0'	S 11°47.9'	9.2'	55.5'
3	317°13.3'	224°24.7'	N 23°24.6'	91°23.5'	13.0'	S 11°57.1'	9.1'	55.5'
4	332°15.8'	239°24.5'	N 23°24.6'	105°55.4'	13.0'	S 12°06.2'	9.1'	55.5'
5	347°18.2'	254°24.4'	N 23°24.5'	120°27.4'	12.9'	S 12°15.3'	9.0'	55.5'
6	2°20.7'	269°24.3'	N 23°24.5'	134°59.4'	12.9'	S 12°24.3'	9.0'	55.5'
7	17°23.2'	284°24.1'	N 23°24.4'	149°31.3'	12.9'	S 12°33.3'	8.9'	55.4'
8	32°25.6'	299°24.0'	N 23°24.4'	164°03.2'	12.9'	S 12°42.2'	8.8'	55.4'
9	47°28.1'	314°23.9'	N 23°24.3'	178°35.1'	12.9'	S 12°51.0'	8.8'	55.4'
10	62°30.5'	329°23.7'	N 23°24.3'	193°07.0'	12.9'	S 12°59.8'	8.7'	55.4'
11	77°33.0'	344°23.6'	N 23°24.2'	207°38.9'	12.9'	S 13°08.5'	8.6'	55.4'
12	92°35.5'	359°23.5'	N 23°24.2'	222°10.7'	12.8'	S 13°17.1'	8.6'	55.3'
13	107°37.9'	14°23.3'	N 23°24.1'	236°42.6'	12.8'	S 13°25.7'	8.5'	55.3'
14	122°40.4'	29°23.2'	N 23°24.1'	251°14.4'	12.8'	S 13°34.2'	8.4'	55.3'
15	137°42.9'	44°23.1'	N 23°24.0'	265°46.2'	12.8'	S 13°42.6'	8.4'	55.3'
16	152°45.3'	59°22.9'	N 23°23.9'	280°18.0'	12.8'	S 13°51.0'	8.3'	55.3'
17	167°47.8'	74°22.8'	N 23°23.9'	294°49.7'	12.8'	S 13°59.3'	8.2'	55.2'
18	182°50.3'	89°22.7'	N 23°23.8'	309°21.5'	12.7'	S 14°07.5'	8.2'	55.2'
19	197°52.7'	104°22.6'	N 23°23.8'	323°53.2'	12.7'	S 14°15.6'	8.1'	55.2'
20	212°55.2'	119°22.4'	N 23°23.7'	338°24.9'	12.7'	S 14°23.7'	8.0'	55.2'
21	227°57.6'	134°22.3'	N 23°23.7'	352°56.6'	12.7'	S 14°31.7'	7.9'	55.2'
22	243°00.1'	149°22.2'	N 23°23.6'	7°28.3'	12.7'	S 14°39.7'	7.9'	55.2'
23	258°02.6'	164°22.0'	N 23°23.5'	21°60.0'	12.6'	S 14°47.5'	7.8'	55.1'

Mon Jun 25, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 15.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	273°05.0'	179°21.9'	N 23°23.5'	36°31.6'	12.6'	S 14°55.3'	7.7'	55.1'
1	288°07.5'	194°21.8'	N 23°23.4'	51°03.2'	12.6'	S 15°03.1'	7.7'	55.1'
2	303°10.0'	209°21.6'	N 23°23.3'	65°34.8'	12.6'	S 15°10.7'	7.6'	55.1'
3	318°12.4'	224°21.5'	N 23°23.3'	80°06.4'	12.6'	S 15°18.3'	7.5'	55.1'
4	333°14.9'	239°21.4'	N 23°23.2'	94°38.0'	12.5'	S 15°25.8'	7.4'	55.0'
5	348°17.4'	254°21.2'	N 23°23.2'	109°09.5'	12.5'	S 15°33.2'	7.4'	55.0'
6	3°19.8'	269°21.1'	N 23°23.1'	123°41.1'	12.5'	S 15°40.6'	7.3'	55.0'
7	18°22.3'	284°21.0'	N 23°23.0'	138°12.6'	12.5'	S 15°47.8'	7.2'	55.0'
8	33°24.8'	299°20.8'	N 23°23.0'	152°44.0'	12.5'	S 15°55.0'	7.1'	55.0'
9	48°27.2'	314°20.7'	N 23°22.9'	167°15.5'	12.4'	S 16°02.2'	7.0'	55.0'
10	63°29.7'	329°20.6'	N 23°22.8'	181°46.9'	12.4'	S 16°09.2'	7.0'	54.9'
11	78°32.1'	344°20.4'	N 23°22.8'	196°18.4'	12.4'	S 16°16.2'	6.9'	54.9'
12	93°34.6'	359°20.3'	N 23°22.7'	210°49.8'	12.4'	S 16°23.1'	6.8'	54.9'
13	108°37.1'	14°20.2'	N 23°22.6'	225°21.2'	12.4'	S 16°29.9'	6.7'	54.9'
14	123°39.5'	29°20.0'	N 23°22.5'	239°52.5'	12.3'	S 16°36.6'	6.6'	54.9'
15	138°42.0'	44°19.9'	N 23°22.5'	254°23.9'	12.3'	S 16°43.2'	6.6'	54.9'
16	153°44.5'	59°19.8'	N 23°22.4'	268°55.2'	12.3'	S 16°49.8'	6.5'	54.8'
17	168°46.9'	74°19.6'	N 23°22.3'	283°26.5'	12.3'	S 16°56.3'	6.4'	54.8'
18	183°49.4'	89°19.5'	N 23°22.2'	297°57.8'	12.3'	S 17°02.7'	6.3'	54.8'
19	198°51.9'	104°19.4'	N 23°22.2'	312°29.0'	12.2'	S 17°09.0'	6.2'	54.8'
20	213°54.3'	119°19.2'	N 23°22.1'	327°00.3'	12.2'	S 17°15.2'	6.2'	54.8'
21	228°56.8'	134°19.1'	N 23°22.0'	341°31.5'	12.2'	S 17°21.4'	6.1'	54.8'
22	243°59.3'	149°19.0'	N 23°21.9'	356°02.7'	12.2'	S 17°27.5'	6.0'	54.8'
23	259°01.7'	164°18.9'	N 23°21.9'	10°33.9'	12.2'	S 17°33.5'	5.9'	54.7'

Tue Jun 26, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	274°04.2'	179°18.7'	N 23°21.8'	25°05.0'	12.1'	S 17°39.4'	5.8'	54.7'
1	289°06.6'	194°18.6'	N 23°21.7'	39°36.2'	12.1'	S 17°45.2'	5.7'	54.7'
2	304°09.1'	209°18.5'	N 23°21.6'	54°07.3'	12.1'	S 17°50.9'	5.6'	54.7'
3	319°11.6'	224°18.3'	N 23°21.6'	68°38.4'	12.1'	S 17°56.6'	5.6'	54.7'
4	334°14.0'	239°18.2'	N 23°21.5'	83°09.5'	12.1'	S 18°02.1'	5.5'	54.7'
5	349°16.5'	254°18.1'	N 23°21.4'	97°40.6'	12.1'	S 18°07.6'	5.4'	54.7'
6	4°19.0'	269°17.9'	N 23°21.3'	112°11.6'	12.0'	S 18°13.0'	5.3'	54.6'
7	19°21.4'	284°17.8'	N 23°21.2'	126°42.7'	12.0'	S 18°18.3'	5.2'	54.6'
8	34°23.9'	299°17.7'	N 23°21.1'	141°13.7'	12.0'	S 18°23.5'	5.1'	54.6'
9	49°26.4'	314°17.5'	N 23°21.1'	155°44.7'	12.0'	S 18°28.6'	5.0'	54.6'
10	64°28.8'	329°17.4'	N 23°21.0'	170°15.7'	12.0'	S 18°33.6'	4.9'	54.6'
11	79°31.3'	344°17.3'	N 23°20.9'	184°46.6'	11.9'	S 18°38.6'	4.9'	54.6'
12	94°33.8'	359°17.2'	N 23°20.8'	199°17.6'	11.9'	S 18°43.4'	4.8'	54.6'
13	109°36.2'	14°17.0'	N 23°20.7'	213°48.5'	11.9'	S 18°48.2'	4.7'	54.6'
14	124°38.7'	29°16.9'	N 23°20.6'	228°19.4'	11.9'	S 18°52.9'	4.6'	54.5'
15	139°41.1'	44°16.8'	N 23°20.5'	242°50.3'	11.9'	S 18°57.5'	4.5'	54.5'
16	154°43.6'	59°16.6'	N 23°20.4'	257°21.2'	11.9'	S 19°02.0'	4.4'	54.5'
17	169°46.1'	74°16.5'	N 23°20.3'	271°52.1'	11.9'	S 19°06.4'	4.3'	54.5'
18	184°48.5'	89°16.4'	N 23°20.3'	286°22.9'	11.8'	S 19°10.7'	4.2'	54.5'
19	199°51.0'	104°16.2'	N 23°20.2'	300°53.8'	11.8'	S 19°14.9'	4.1'	54.5'
20	214°53.5'	119°16.1'	N 23°20.1'	315°24.6'	11.8'	S 19°19.0'	4.0'	54.5'
21	229°55.9'	134°16.0'	N 23°20.0'	329°55.4'	11.8'	S 19°23.1'	3.9'	54.5'
22	244°58.4'	149°15.9'	N 23°19.9'	344°26.2'	11.8'	S 19°27.0'	3.9'	54.4'
23	260°00.9'	164°15.7'	N 23°19.8'	358°57.0'	11.8'	S 19°30.8'	3.8'	54.4'

Wed Jun 27, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	275°03.3'	179°15.6'	N 23°19.7'	13°27.7'	11.8'	S 19°34.6'	3.7'	54.4'
1	290°05.8'	194°15.5'	N 23°19.6'	27°58.5'	11.7'	S 19°38.3'	3.6'	54.4'
2	305°08.2'	209°15.3'	N 23°19.5'	42°29.2'	11.7'	S 19°41.8'	3.5'	54.4'
3	320°10.7'	224°15.2'	N 23°19.4'	56°60.0'	11.7'	S 19°45.3'	3.4'	54.4'
4	335°13.2'	239°15.1'	N 23°19.3'	71°30.7'	11.7'	S 19°48.7'	3.3'	54.4'
5	350°15.6'	254°15.0'	N 23°19.2'	86°01.4'	11.7'	S 19°52.0'	3.2'	54.4'
6	5°18.1'	269°14.8'	N 23°19.1'	100°32.1'	11.7'	S 19°55.2'	3.1'	54.4'
7	20°20.6'	284°14.7'	N 23°19.0'	115°02.8'	11.7'	S 19°58.3'	3.0'	54.3'
8	35°23.0'	299°14.6'	N 23°18.9'	129°33.5'	11.7'	S 20°01.3'	2.9'	54.3'
9	50°25.5'	314°14.4'	N 23°18.8'	144°04.2'	11.7'	S 20°04.2'	2.8'	54.3'
10	65°28.0'	329°14.3'	N 23°18.7'	158°34.8'	11.7'	S 20°07.0'	2.7'	54.3'
11	80°30.4'	344°14.2'	N 23°18.6'	173°05.5'	11.6'	S 20°09.7'	2.6'	54.3'
12	95°32.9'	359°14.1'	N 23°18.5'	187°36.1'	11.6'	S 20°12.3'	2.5'	54.3'
13	110°35.4'	14°13.9'	N 23°18.4'	202°06.8'	11.6'	S 20°14.9'	2.4'	54.3'
14	125°37.8'	29°13.8'	N 23°18.3'	216°37.4'	11.6'	S 20°17.3'	2.3'	54.3'
15	140°40.3'	44°13.7'	N 23°18.2'	231°08.0'	11.6'	S 20°19.6'	2.2'	54.3'
16	155°42.7'	59°13.5'	N 23°18.1'	245°38.7'	11.6'	S 20°21.8'	2.1'	54.3'
17	170°45.2'	74°13.4'	N 23°18.0'	260°09.3'	11.6'	S 20°24.0'	2.0'	54.3'
18	185°47.7'	89°13.3'	N 23°17.9'	274°39.9'	11.6'	S 20°26.0'	1.9'	54.2'
19	200°50.1'	104°13.2'	N 23°17.7'	289°10.5'	11.6'	S 20°28.0'	1.8'	54.2'
20	215°52.6'	119°13.0'	N 23°17.6'	303°41.1'	11.6'	S 20°29.8'	1.8'	54.2'
21	230°55.1'	134°12.9'	N 23°17.5'	318°11.7'	11.6'	S 20°31.6'	1.7'	54.2'
22	245°57.5'	149°12.8'	N 23°17.4'	332°42.3'	11.6'	S 20°33.2'	1.6'	54.2'
23	260°60.0'	164°12.6'	N 23°17.3'	347°12.9'	11.6'	S 20°34.8'	1.5'	54.2'

Thu Jun 28, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	276°02.5'	179°12.5'	N 23°17.2'	1°43.5'	11.6'	S 20°36.2'	1.4'	54.2'
1	291°04.9'	194°12.4'	N 23°17.1'	16°14.1'	11.6'	S 20°37.6'	1.3'	54.2'
2	306°07.4'	209°12.3'	N 23°17.0'	30°44.7'	11.6'	S 20°38.9'	1.2'	54.2'
3	321°09.9'	224°12.1'	N 23°16.9'	45°15.3'	11.6'	S 20°40.0'	1.1'	54.2'
4	336°12.3'	239°12.0'	N 23°16.7'	59°45.9'	11.6'	S 20°41.1'	1.0'	54.2'
5	351°14.8'	254°11.9'	N 23°16.6'	74°16.5'	11.6'	S 20°42.1'	0.9'	54.2'
6	6°17.2'	269°11.7'	N 23°16.5'	88°47.1'	11.6'	S 20°42.9'	0.8'	54.2'
7	21°19.7'	284°11.6'	N 23°16.4'	103°17.7'	11.6'	S 20°43.7'	0.7'	54.1'
8	36°22.2'	299°11.5'	N 23°16.3'	117°48.3'	11.6'	S 20°44.4'	0.6'	54.1'
9	51°24.6'	314°11.4'	N 23°16.1'	132°18.9'	11.6'	S 20°45.0'	0.5'	54.1'
10	66°27.1'	329°11.2'	N 23°16.0'	146°49.6'	11.6'	S 20°45.5'	0.4'	54.1'
11	81°29.6'	344°11.1'	N 23°15.9'	161°20.2'	11.6'	S 20°45.8'	0.3'	54.1'
12	96°32.0'	359°11.0'	N 23°15.8'	175°50.8'	11.6'	S 20°46.1'	0.2'	54.1'
13	111°34.5'	14°10.9'	N 23°15.7'	190°21.4'	11.6'	S 20°46.3'	0.1'	54.1'
14	126°37.0'	29°10.7'	N 23°15.5'	204°52.1'	11.6'	S 20°46.4'	0.0'	54.1'
15	141°39.4'	44°10.6'	N 23°15.4'	219°22.7'	11.7'	S 20°46.4'	0.1'	54.1'
16	156°41.9'	59°10.5'	N 23°15.3'	233°53.4'	11.7'	S 20°46.3'	0.2'	54.1'
17	171°44.4'	74°10.4'	N 23°15.2'	248°24.0'	11.7'	S 20°46.1'	0.3'	54.1'
18	186°46.8'	89°10.2'	N 23°15.0'	262°54.7'	11.7'	S 20°45.8'	0.4'	54.1'
19	201°49.3'	104°10.1'	N 23°14.9'	277°25.4'	11.7'	S 20°45.4'	0.5'	54.1'
20	216°51.7'	119°10.0'	N 23°14.8'	291°56.1'	11.7'	S 20°44.9'	0.6'	54.1'
21	231°54.2'	134°09.9'	N 23°14.7'	306°26.8'	11.7'	S 20°44.3'	0.7'	54.1'
22	246°56.7'	149°09.7'	N 23°14.5'	320°57.5'	11.7'	S 20°43.6'	0.8'	54.1'
23	261°59.1'	164°09.6'	N 23°14.4'	335°28.2'	11.7'	S 20°42.9'	0.9'	54.1'

Fri Jun 29, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.1' SD = 15.7'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	277°01.6'	179°09.5'	N 23°14.3'	349°58.9'	11.7'	S 20°42.0'	1.0'	54.1'
1	292°04.1'	194°09.4'	N 23°14.2'	4°29.7'	11.8'	S 20°41.0'	1.1'	54.0'
2	307°06.5'	209°09.2'	N 23°14.0'	19°00.4'	11.8'	S 20°39.9'	1.2'	54.0'
3	322°09.0'	224°09.1'	N 23°13.9'	33°31.2'	11.8'	S 20°38.8'	1.3'	54.0'
4	337°11.5'	239°09.0'	N 23°13.8'	48°02.0'	11.8'	S 20°37.5'	1.4'	54.0'
5	352°13.9'	254°08.8'	N 23°13.6'	62°32.8'	11.8'	S 20°36.1'	1.5'	54.0'
6	7°16.4'	269°08.7'	N 23°13.5'	77°03.6'	11.8'	S 20°34.7'	1.6'	54.0'
7	22°18.9'	284°08.6'	N 23°13.4'	91°34.4'	11.8'	S 20°33.1'	1.6'	54.0'
8	37°21.3'	299°08.5'	N 23°13.2'	106°05.3'	11.9'	S 20°31.5'	1.7'	54.0'
9	52°23.8'	314°08.3'	N 23°13.1'	120°36.1'	11.9'	S 20°29.7'	1.8'	54.0'
10	67°26.2'	329°08.2'	N 23°12.9'	135°07.0'	11.9'	S 20°27.9'	1.9'	54.0'
11	82°28.7'	344°08.1'	N 23°12.8'	149°37.9'	11.9'	S 20°26.0'	2.0'	54.0'
12	97°31.2'	359°08.0'	N 23°12.7'	164°08.8'	11.9'	S 20°24.0'	2.1'	54.0'
13	112°33.6'	14°07.9'	N 23°12.5'	178°39.7'	11.9'	S 20°21.8'	2.2'	54.0'
14	127°36.1'	29°07.7'	N 23°12.4'	193°10.7'	12.0'	S 20°19.6'	2.3'	54.0'
15	142°38.6'	44°07.6'	N 23°12.3'	207°41.6'	12.0'	S 20°17.3'	2.4'	54.0'
16	157°41.0'	59°07.5'	N 23°12.1'	222°12.6'	12.0'	S 20°14.9'	2.5'	54.0'
17	172°43.5'	74°07.4'	N 23°12.0'	236°43.6'	12.0'	S 20°12.4'	2.6'	54.0'
18	187°46.0'	89°07.2'	N 23°11.8'	251°14.7'	12.0'	S 20°09.8'	2.7'	54.0'
19	202°48.4'	104°07.1'	N 23°11.7'	265°45.7'	12.1'	S 20°07.2'	2.8'	54.0'
20	217°50.9'	119°07.0'	N 23°11.5'	280°16.8'	12.1'	S 20°04.4'	2.9'	54.0'
21	232°53.3'	134°06.9'	N 23°11.4'	294°47.9'	12.1'	S 20°01.5'	3.0'	54.0'
22	247°55.8'	149°06.7'	N 23°11.3'	309°19.0'	12.1'	S 19°58.6'	3.0'	54.0'
23	262°58.3'	164°06.6'	N 23°11.1'	323°50.1'	12.2'	S 19°55.5'	3.1'	54.0'

Sat Jun 30, 2018 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 15.7'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	278°00.7'	179°06.5'	N 23°11.0'	338°21.3'	12.2'	S 19°52.4'	3.2'	54.0'
1	293°03.2'	194°06.4'	N 23°10.8'	352°52.5'	12.2'	S 19°49.2'	3.3'	54.0'
2	308°05.7'	209°06.2'	N 23°10.7'	7°23.7'	12.2'	S 19°45.9'	3.4'	54.0'
3	323°08.1'	224°06.1'	N 23°10.5'	21°54.9'	12.3'	S 19°42.4'	3.5'	54.0'
4	338°10.6'	239°06.0'	N 23°10.4'	36°26.2'	12.3'	S 19°39.0'	3.6'	54.0'
5	353°13.1'	254°05.9'	N 23°10.2'	50°57.4'	12.3'	S 19°35.4'	3.7'	54.0'
6	8°15.5'	269°05.8'	N 23°10.1'	65°28.8'	12.3'	S 19°31.7'	3.8'	54.0'
7	23°18.0'	284°05.6'	N 23°09.9'	80°00.1'	12.4'	S 19°27.9'	3.9'	54.0'
8	38°20.5'	299°05.5'	N 23°09.8'	94°31.4'	12.4'	S 19°24.1'	3.9'	54.0'
9	53°22.9'	314°05.4'	N 23°09.6'	109°02.8'	12.4'	S 19°20.1'	4.0'	54.0'
10	68°25.4'	329°05.3'	N 23°09.5'	123°34.2'	12.4'	S 19°16.1'	4.1'	54.0'
11	83°27.8'	344°05.1'	N 23°09.3'	138°05.6'	12.5'	S 19°12.0'	4.2'	54.0'
12	98°30.3'	359°05.0'	N 23°09.1'	152°37.1'	12.5'	S 19°07.8'	4.3'	54.0'
13	113°32.8'	14°04.9'	N 23°09.0'	167°08.6'	12.5'	S 19°03.5'	4.4'	54.0'
14	128°35.2'	29°04.8'	N 23°08.8'	181°40.1'	12.5'	S 18°59.1'	4.5'	54.0'
15	143°37.7'	44°04.7'	N 23°08.7'	196°11.6'	12.6'	S 18°54.7'	4.5'	54.0'
16	158°40.2'	59°04.5'	N 23°08.5'	210°43.2'	12.6'	S 18°50.1'	4.6'	54.0'
17	173°42.6'	74°04.4'	N 23°08.4'	225°14.8'	12.6'	S 18°45.5'	4.7'	54.0'
18	188°45.1'	89°04.3'	N 23°08.2'	239°46.4'	12.6'	S 18°40.8'	4.8'	54.0'
19	203°47.6'	104°04.2'	N 23°08.0'	254°18.1'	12.7'	S 18°36.0'	4.9'	54.0'
20	218°50.0'	119°04.0'	N 23°07.9'	268°49.7'	12.7'	S 18°31.1'	5.0'	54.0'
21	233°52.5'	134°03.9'	N 23°07.7'	283°21.4'	12.7'	S 18°26.2'	5.0'	54.0'
22	248°55.0'	149°03.8'	N 23°07.6'	297°53.2'	12.8'	S 18°21.1'	5.1'	54.0'
23	263°57.4'	164°03.7'	N 23°07.4'	312°24.9'	12.8'	S 18°16.0'	5.2'	54.0'