

Sun Jan 1, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 16.3'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	100°50.2'	179°08.4'	S 22°59.9'	147°06.1'	11.1'	S 15°20.2'	6.3'	56.1'
1	115°52.6'	194°08.1'	S 22°59.7'	161°36.2'	11.1'	S 15°13.9'	6.3'	56.1'
2	130°55.1'	209°07.8'	S 22°59.5'	176°06.3'	11.1'	S 15°07.6'	6.4'	56.1'
3	145°57.6'	224°07.5'	S 22°59.3'	190°36.4'	11.1'	S 15°01.2'	6.5'	56.1'
4	161°00.0'	239°07.2'	S 22°59.1'	205°06.5'	11.1'	S 14°54.7'	6.6'	56.1'
5	176°02.5'	254°06.9'	S 22°58.9'	219°36.6'	11.1'	S 14°48.1'	6.7'	56.2'
6	191°05.0'	269°06.6'	S 22°58.7'	234°06.8'	11.2'	S 14°41.4'	6.7'	56.2'
7	206°07.4'	284°06.3'	S 22°58.5'	248°36.9'	11.2'	S 14°34.7'	6.8'	56.2'
8	221°09.9'	299°06.0'	S 22°58.3'	263°07.1'	11.2'	S 14°27.9'	6.9'	56.2'
9	236°12.4'	314°05.7'	S 22°58.1'	277°37.3'	11.2'	S 14°21.0'	7.0'	56.2'
10	251°14.8'	329°05.4'	S 22°57.8'	292°07.5'	11.2'	S 14°14.0'	7.0'	56.3'
11	266°17.3'	344°05.1'	S 22°57.6'	306°37.7'	11.2'	S 14°07.0'	7.1'	56.3'
12	281°19.7'	359°04.8'	S 22°57.4'	321°07.9'	11.2'	S 13°59.9'	7.2'	56.3'
13	296°22.2'	14°04.5'	S 22°57.2'	335°38.1'	11.2'	S 13°52.7'	7.3'	56.3'
14	311°24.7'	29°04.2'	S 22°57.0'	350°08.4'	11.3'	S 13°45.4'	7.3'	56.3'
15	326°27.1'	44°04.0'	S 22°56.8'	4°38.6'	11.3'	S 13°38.0'	7.4'	56.4'
16	341°29.6'	59°03.7'	S 22°56.6'	19°08.9'	11.3'	S 13°30.6'	7.5'	56.4'
17	356°32.1'	74°03.4'	S 22°56.3'	33°39.2'	11.3'	S 13°23.1'	7.6'	56.4'
18	11°34.5'	89°03.1'	S 22°56.1'	48°09.5'	11.3'	S 13°15.6'	7.6'	56.4'
19	26°37.0'	104°02.8'	S 22°55.9'	62°39.8'	11.3'	S 13°07.9'	7.7'	56.4'
20	41°39.5'	119°02.5'	S 22°55.7'	77°10.1'	11.3'	S 13°00.2'	7.8'	56.5'
21	56°41.9'	134°02.2'	S 22°55.5'	91°40.4'	11.3'	S 12°52.4'	7.8'	56.5'
22	71°44.4'	149°01.9'	S 22°55.2'	106°10.8'	11.4'	S 12°44.6'	7.9'	56.5'
23	86°46.9'	164°01.6'	S 22°55.0'	120°41.1'	11.4'	S 12°36.7'	8.0'	56.5'

Mon Jan 2, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.2' SD = 16.3'		SD = 15.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	101°49.3'	179°01.3'	S 22°54.8'	135°11.5'	11.4'	S 12°28.7'	8.1'	56.6'
1	116°51.8'	194°01.0'	S 22°54.6'	149°41.9'	11.4'	S 12°20.6'	8.1'	56.6'
2	131°54.2'	209°00.7'	S 22°54.3'	164°12.3'	11.4'	S 12°12.5'	8.2'	56.6'
3	146°56.7'	224°00.4'	S 22°54.1'	178°42.7'	11.4'	S 12°04.3'	8.3'	56.6'
4	161°59.2'	239°00.1'	S 22°53.9'	193°13.1'	11.4'	S 11°56.1'	8.3'	56.6'
5	177°01.6'	253°59.9'	S 22°53.6'	207°43.5'	11.4'	S 11°47.7'	8.4'	56.7'
6	192°04.1'	268°59.6'	S 22°53.4'	222°13.9'	11.4'	S 11°39.4'	8.5'	56.7'
7	207°06.6'	283°59.3'	S 22°53.2'	236°44.4'	11.5'	S 11°30.9'	8.5'	56.7'
8	222°09.0'	298°59.0'	S 22°53.0'	251°14.8'	11.5'	S 11°22.4'	8.6'	56.7'
9	237°11.5'	313°58.7'	S 22°52.7'	265°45.3'	11.5'	S 11°13.8'	8.6'	56.8'
10	252°14.0'	328°58.4'	S 22°52.5'	280°15.7'	11.5'	S 11°05.2'	8.7'	56.8'
11	267°16.4'	343°58.1'	S 22°52.3'	294°46.2'	11.5'	S 10°56.5'	8.8'	56.8'
12	282°18.9'	358°57.8'	S 22°52.0'	309°16.7'	11.5'	S 10°47.7'	8.8'	56.8'
13	297°21.4'	13°57.5'	S 22°51.8'	323°47.2'	11.5'	S 10°38.9'	8.9'	56.8'
14	312°23.8'	28°57.2'	S 22°51.6'	338°17.7'	11.5'	S 10°30.0'	8.9'	56.9'
15	327°26.3'	43°56.9'	S 22°51.3'	352°48.2'	11.5'	S 10°21.0'	9.0'	56.9'
16	342°28.7'	58°56.7'	S 22°51.1'	7°18.7'	11.5'	S 10°12.0'	9.1'	56.9'
17	357°31.2'	73°56.4'	S 22°50.9'	21°49.3'	11.5'	S 10°03.0'	9.1'	56.9'
18	12°33.7'	88°56.1'	S 22°50.6'	36°19.8'	11.5'	S 9°53.9'	9.2'	57.0'
19	27°36.1'	103°55.8'	S 22°50.4'	50°50.4'	11.6'	S 9°44.7'	9.2'	57.0'
20	42°38.6'	118°55.5'	S 22°50.1'	65°20.9'	11.6'	S 9°35.4'	9.3'	57.0'
21	57°41.1'	133°55.2'	S 22°49.9'	79°51.5'	11.6'	S 9°26.2'	9.3'	57.0'
22	72°43.5'	148°54.9'	S 22°49.7'	94°22.0'	11.6'	S 9°16.8'	9.4'	57.0'
23	87°46.0'	163°54.6'	S 22°49.4'	108°52.6'	11.6'	S 9°07.4'	9.4'	57.1'

Tue Jan 3, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 16.3'		SD = 15.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	102°48.5'	178°54.3'	S 22°49.2'	123°23.2'	11.6'	S 8°58.0'	9.5'	57.1'
1	117°50.9'	193°54.1'	S 22°48.9'	137°53.7'	11.6'	S 8°48.5'	9.6'	57.1'
2	132°53.4'	208°53.8'	S 22°48.7'	152°24.3'	11.6'	S 8°38.9'	9.6'	57.1'
3	147°55.8'	223°53.5'	S 22°48.4'	166°54.9'	11.6'	S 8°29.3'	9.7'	57.2'
4	162°58.3'	238°53.2'	S 22°48.2'	181°25.5'	11.6'	S 8°19.7'	9.7'	57.2'
5	178°00.8'	253°52.9'	S 22°47.9'	195°56.1'	11.6'	S 8°10.0'	9.7'	57.2'
6	193°03.2'	268°52.6'	S 22°47.7'	210°26.7'	11.6'	S 8°00.2'	9.8'	57.2'
7	208°05.7'	283°52.3'	S 22°47.4'	224°57.3'	11.6'	S 7°50.4'	9.8'	57.2'
8	223°08.2'	298°52.0'	S 22°47.2'	239°27.9'	11.6'	S 7°40.6'	9.9'	57.3'
9	238°10.6'	313°51.8'	S 22°46.9'	253°58.5'	11.6'	S 7°30.7'	9.9'	57.3'
10	253°13.1'	328°51.5'	S 22°46.7'	268°29.1'	11.6'	S 7°20.8'	10.0'	57.3'
11	268°15.6'	343°51.2'	S 22°46.4'	282°59.7'	11.6'	S 7°10.8'	10.0'	57.3'
12	283°18.0'	358°50.9'	S 22°46.2'	297°30.3'	11.6'	S 7°00.8'	10.1'	57.4'
13	298°20.5'	13°50.6'	S 22°45.9'	312°00.9'	11.6'	S 6°50.7'	10.1'	57.4'
14	313°23.0'	28°50.3'	S 22°45.7'	326°31.5'	11.6'	S 6°40.6'	10.2'	57.4'
15	328°25.4'	43°50.0'	S 22°45.4'	341°02.1'	11.6'	S 6°30.4'	10.2'	57.4'
16	343°27.9'	58°49.8'	S 22°45.2'	355°32.7'	11.6'	S 6°20.2'	10.2'	57.5'
17	358°30.3'	73°49.5'	S 22°44.9'	10°03.3'	11.6'	S 6°10.0'	10.3'	57.5'
18	13°32.8'	88°49.2'	S 22°44.7'	24°33.9'	11.6'	S 5°59.7'	10.3'	57.5'
19	28°35.3'	103°48.9'	S 22°44.4'	39°04.4'	11.6'	S 5°49.4'	10.3'	57.5'
20	43°37.7'	118°48.6'	S 22°44.1'	53°35.0'	11.6'	S 5°39.1'	10.4'	57.6'
21	58°40.2'	133°48.3'	S 22°43.9'	68°05.6'	11.6'	S 5°28.7'	10.4'	57.6'
22	73°42.7'	148°48.0'	S 22°43.6'	82°36.2'	11.6'	S 5°18.3'	10.5'	57.6'
23	88°45.1'	163°47.8'	S 22°43.4'	97°06.7'	11.6'	S 5°07.8'	10.5'	57.6'

Wed Jan 4, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 16.3'		SD = 15.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	103°47.6'	178°47.5'	S 22°43.1'	111°37.3'	11.5'	S 4°57.4'	10.5'	57.7'
1	118°50.1'	193°47.2'	S 22°42.8'	126°07.8'	11.5'	S 4°46.8'	10.6'	57.7'
2	133°52.5'	208°46.9'	S 22°42.6'	140°38.4'	11.5'	S 4°36.3'	10.6'	57.7'
3	148°55.0'	223°46.6'	S 22°42.3'	155°08.9'	11.5'	S 4°25.7'	10.6'	57.7'
4	163°57.5'	238°46.3'	S 22°42.0'	169°39.4'	11.5'	S 4°15.1'	10.6'	57.7'
5	178°59.9'	253°46.1'	S 22°41.8'	184°09.9'	11.5'	S 4°04.4'	10.7'	57.8'
6	194°02.4'	268°45.8'	S 22°41.5'	198°40.4'	11.5'	S 3°53.7'	10.7'	57.8'
7	209°04.8'	283°45.5'	S 22°41.2'	213°10.9'	11.5'	S 3°43.0'	10.7'	57.8'
8	224°07.3'	298°45.2'	S 22°41.0'	227°41.4'	11.5'	S 3°32.3'	10.8'	57.8'
9	239°09.8'	313°44.9'	S 22°40.7'	242°11.8'	11.4'	S 3°21.6'	10.8'	57.9'
10	254°12.2'	328°44.6'	S 22°40.4'	256°42.3'	11.4'	S 3°10.8'	10.8'	57.9'
11	269°14.7'	343°44.4'	S 22°40.2'	271°12.7'	11.4'	S 2°60.0'	10.8'	57.9'
12	284°17.2'	358°44.1'	S 22°39.9'	285°43.1'	11.4'	S 2°49.1'	10.9'	57.9'
13	299°19.6'	13°43.8'	S 22°39.6'	300°13.5'	11.4'	S 2°38.3'	10.9'	58.0'
14	314°22.1'	28°43.5'	S 22°39.4'	314°43.9'	11.4'	S 2°27.4'	10.9'	58.0'
15	329°24.6'	43°43.2'	S 22°39.1'	329°14.3'	11.3'	S 2°16.5'	10.9'	58.0'
16	344°27.0'	58°43.0'	S 22°38.8'	343°44.6'	11.3'	S 2°05.6'	10.9'	58.0'
17	359°29.5'	73°42.7'	S 22°38.5'	358°14.9'	11.3'	S 1°54.6'	11.0'	58.1'
18	14°31.9'	88°42.4'	S 22°38.3'	12°45.3'	11.3'	S 1°43.7'	11.0'	58.1'
19	29°34.4'	103°42.1'	S 22°38.0'	27°15.5'	11.3'	S 1°32.7'	11.0'	58.1'
20	44°36.9'	118°41.8'	S 22°37.7'	41°45.8'	11.3'	S 1°21.7'	11.0'	58.1'
21	59°39.3'	133°41.6'	S 22°37.4'	56°16.1'	11.2'	S 1°10.7'	11.0'	58.2'
22	74°41.8'	148°41.3'	S 22°37.1'	70°46.3'	11.2'	S 0°59.7'	11.0'	58.2'
23	89°44.3'	163°41.0'	S 22°36.9'	85°16.5'	11.2'	S 0°48.6'	11.1'	58.2'

Thu Jan 5, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 16.3'		SD = 16.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	104°46.7'	178°40.7'	S 22°36.6'	99°46.7'	11.2'	S 0°37.6'	11.1'	58.2'
1	119°49.2'	193°40.4'	S 22°36.3'	114°16.8'	11.1'	S 0°26.5'	11.1'	58.3'
2	134°51.7'	208°40.2'	S 22°36.0'	128°47.0'	11.1'	S 0°15.4'	11.1'	58.3'
3	149°54.1'	223°39.9'	S 22°35.7'	143°17.1'	11.1'	S 0°04.3'	11.1'	58.3'
4	164°56.6'	238°39.6'	S 22°35.4'	157°47.2'	11.1'	N 0°06.8'	11.1'	58.3'
5	179°59.1'	253°39.3'	S 22°35.2'	172°17.2'	11.0'	N 0°17.9'	11.1'	58.4'
6	195°01.5'	268°39.0'	S 22°34.9'	186°47.2'	11.0'	N 0°29.0'	11.1'	58.4'
7	210°04.0'	283°38.8'	S 22°34.6'	201°17.2'	11.0'	N 0°40.1'	11.1'	58.4'
8	225°06.4'	298°38.5'	S 22°34.3'	215°47.2'	10.9'	N 0°51.2'	11.1'	58.4'
9	240°08.9'	313°38.2'	S 22°34.0'	230°17.2'	10.9'	N 1°02.4'	11.1'	58.5'
10	255°11.4'	328°37.9'	S 22°33.7'	244°47.1'	10.9'	N 1°13.5'	11.1'	58.5'
11	270°13.8'	343°37.7'	S 22°33.4'	259°16.9'	10.8'	N 1°24.6'	11.1'	58.5'
12	285°16.3'	358°37.4'	S 22°33.2'	273°46.8'	10.8'	N 1°35.8'	11.1'	58.5'
13	300°18.8'	13°37.1'	S 22°32.9'	288°16.6'	10.8'	N 1°46.9'	11.1'	58.6'
14	315°21.2'	28°36.8'	S 22°32.6'	302°46.4'	10.7'	N 1°58.0'	11.1'	58.6'
15	330°23.7'	43°36.5'	S 22°32.3'	317°16.1'	10.7'	N 2°09.2'	11.1'	58.6'
16	345°26.2'	58°36.3'	S 22°32.0'	331°45.8'	10.7'	N 2°20.3'	11.1'	58.6'
17	0°28.6'	73°36.0'	S 22°31.7'	346°15.5'	10.6'	N 2°31.4'	11.1'	58.7'
18	15°31.1'	88°35.7'	S 22°31.4'	0°45.1'	10.6'	N 2°42.6'	11.1'	58.7'
19	30°33.6'	103°35.4'	S 22°31.1'	15°14.7'	10.6'	N 2°53.7'	11.1'	58.7'
20	45°36.0'	118°35.2'	S 22°30.8'	29°44.3'	10.5'	N 3°04.8'	11.1'	58.7'
21	60°38.5'	133°34.9'	S 22°30.5'	44°13.8'	10.5'	N 3°15.9'	11.1'	58.8'
22	75°40.9'	148°34.6'	S 22°30.2'	58°43.3'	10.4'	N 3°27.0'	11.1'	58.8'
23	90°43.4'	163°34.3'	S 22°29.9'	73°12.8'	10.4'	N 3°38.1'	11.1'	58.8'

Fri Jan 6, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 16.3'		SD = 16.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	105°45.9'	178°34.1'	S 22°29.6'	87°42.2'	10.4'	N 3°49.2'	11.1'	58.8'
1	120°48.3'	193°33.8'	S 22°29.3'	102°11.5'	10.3'	N 4°00.2'	11.1'	58.8'
2	135°50.8'	208°33.5'	S 22°29.0'	116°40.8'	10.3'	N 4°11.3'	11.0'	58.9'
3	150°53.3'	223°33.2'	S 22°28.7'	131°10.1'	10.2'	N 4°22.3'	11.0'	58.9'
4	165°55.7'	238°33.0'	S 22°28.4'	145°39.3'	10.2'	N 4°33.3'	11.0'	58.9'
5	180°58.2'	253°32.7'	S 22°28.1'	160°08.5'	10.1'	N 4°44.3'	11.0'	58.9'
6	196°00.7'	268°32.4'	S 22°27.8'	174°37.7'	10.1'	N 4°55.3'	11.0'	59.0'
7	211°03.1'	283°32.1'	S 22°27.5'	189°06.8'	10.1'	N 5°06.3'	10.9'	59.0'
8	226°05.6'	298°31.9'	S 22°27.2'	203°35.8'	10.0'	N 5°17.2'	10.9'	59.0'
9	241°08.0'	313°31.6'	S 22°26.9'	218°04.8'	10.0'	N 5°28.2'	10.9'	59.0'
10	256°10.5'	328°31.3'	S 22°26.6'	232°33.8'	9.9'	N 5°39.1'	10.9'	59.1'
11	271°13.0'	343°31.1'	S 22°26.3'	247°02.7'	9.9'	N 5°50.0'	10.9'	59.1'
12	286°15.4'	358°30.8'	S 22°26.0'	261°31.5'	9.8'	N 6°00.8'	10.8'	59.1'
13	301°17.9'	13°30.5'	S 22°25.7'	276°00.3'	9.8'	N 6°11.7'	10.8'	59.1'
14	316°20.4'	28°30.2'	S 22°25.3'	290°29.1'	9.7'	N 6°22.5'	10.8'	59.2'
15	331°22.8'	43°30.0'	S 22°25.0'	304°57.8'	9.7'	N 6°33.2'	10.8'	59.2'
16	346°25.3'	58°29.7'	S 22°24.7'	319°26.5'	9.6'	N 6°44.0'	10.7'	59.2'
17	1°27.8'	73°29.4'	S 22°24.4'	333°55.1'	9.6'	N 6°54.7'	10.7'	59.2'
18	16°30.2'	88°29.2'	S 22°24.1'	348°23.6'	9.5'	N 7°05.4'	10.7'	59.2'
19	31°32.7'	103°28.9'	S 22°23.8'	2°52.1'	9.4'	N 7°16.1'	10.6'	59.3'
20	46°35.2'	118°28.6'	S 22°23.5'	17°20.6'	9.4'	N 7°26.7'	10.6'	59.3'
21	61°37.6'	133°28.3'	S 22°23.2'	31°49.0'	9.3'	N 7°37.3'	10.6'	59.3'
22	76°40.1'	148°28.1'	S 22°22.8'	46°17.3'	9.3'	N 7°47.8'	10.5'	59.3'
23	91°42.5'	163°27.8'	S 22°22.5'	60°45.6'	9.2'	N 7°58.3'	10.5'	59.4'

Sat Jan 7, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 16.3'		SD = 16.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	106°45.0'	178°27.5'	S 22°22.2'	75°13.8'	9.2'	N 8°08.8'	10.4'	59.4'
1	121°47.5'	193°27.3'	S 22°21.9'	89°41.9'	9.1'	N 8°19.2'	10.4'	59.4'
2	136°49.9'	208°27.0'	S 22°21.6'	104°10.1'	9.1'	N 8°29.6'	10.4'	59.4'
3	151°52.4'	223°26.7'	S 22°21.2'	118°38.1'	9.0'	N 8°40.0'	10.3'	59.4'
4	166°54.9'	238°26.5'	S 22°20.9'	133°06.1'	8.9'	N 8°50.3'	10.3'	59.5'
5	181°57.3'	253°26.2'	S 22°20.6'	147°34.0'	8.9'	N 9°00.6'	10.2'	59.5'
6	196°59.8'	268°25.9'	S 22°20.3'	162°01.9'	8.8'	N 9°10.8'	10.2'	59.5'
7	212°02.3'	283°25.7'	S 22°20.0'	176°29.7'	8.8'	N 9°21.0'	10.1'	59.5'
8	227°04.7'	298°25.4'	S 22°19.6'	190°57.5'	8.7'	N 9°31.1'	10.1'	59.5'
9	242°07.2'	313°25.1'	S 22°19.3'	205°25.2'	8.6'	N 9°41.2'	10.0'	59.6'
10	257°09.6'	328°24.9'	S 22°19.0'	219°52.8'	8.6'	N 9°51.2'	10.0'	59.6'
11	272°12.1'	343°24.6'	S 22°18.7'	234°20.4'	8.5'	N 10°01.2'	9.9'	59.6'
12	287°14.6'	358°24.3'	S 22°18.3'	248°47.9'	8.5'	N 10°11.1'	9.9'	59.6'
13	302°17.0'	13°24.1'	S 22°18.0'	263°15.3'	8.4'	N 10°20.9'	9.8'	59.7'
14	317°19.5'	28°23.8'	S 22°17.7'	277°42.7'	8.3'	N 10°30.7'	9.8'	59.7'
15	332°22.0'	43°23.5'	S 22°17.3'	292°10.1'	8.3'	N 10°40.5'	9.7'	59.7'
16	347°24.4'	58°23.3'	S 22°17.0'	306°37.3'	8.2'	N 10°50.2'	9.6'	59.7'
17	2°26.9'	73°23.0'	S 22°16.7'	321°04.5'	8.1'	N 10°59.8'	9.6'	59.7'
18	17°29.4'	88°22.7'	S 22°16.4'	335°31.7'	8.1'	N 11°09.4'	9.5'	59.7'
19	32°31.8'	103°22.5'	S 22°16.0'	349°58.7'	8.0'	N 11°18.9'	9.4'	59.8'
20	47°34.3'	118°22.2'	S 22°15.7'	4°25.8'	7.9'	N 11°28.4'	9.4'	59.8'
21	62°36.8'	133°21.9'	S 22°15.4'	18°52.7'	7.9'	N 11°37.7'	9.3'	59.8'
22	77°39.2'	148°21.7'	S 22°15.0'	33°19.6'	7.8'	N 11°47.1'	9.2'	59.8'
23	92°41.7'	163°21.4'	S 22°14.7'	47°46.4'	7.8'	N 11°56.3'	9.2'	59.8'

Sun Jan 8, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 16.3'		SD = 16.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	107°44.1'	178°21.1'	S 22°14.4'	62°13.2'	7.7'	N 12°05.5'	9.1'	59.9'
1	122°46.6'	193°20.9'	S 22°14.0'	76°39.9'	7.6'	N 12°14.6'	9.0'	59.9'
2	137°49.1'	208°20.6'	S 22°13.7'	91°06.5'	7.6'	N 12°23.6'	9.0'	59.9'
3	152°51.5'	223°20.3'	S 22°13.3'	105°33.0'	7.5'	N 12°32.6'	8.9'	59.9'
4	167°54.0'	238°20.1'	S 22°13.0'	119°59.5'	7.4'	N 12°41.5'	8.8'	59.9'
5	182°56.5'	253°19.8'	S 22°12.7'	134°26.0'	7.4'	N 12°50.3'	8.7'	59.9'
6	197°58.9'	268°19.6'	S 22°12.3'	148°52.3'	7.3'	N 12°59.0'	8.7'	60.0'
7	213°01.4'	283°19.3'	S 22°12.0'	163°18.6'	7.2'	N 13°07.7'	8.6'	60.0'
8	228°03.9'	298°19.0'	S 22°11.6'	177°44.9'	7.2'	N 13°16.3'	8.5'	60.0'
9	243°06.3'	313°18.8'	S 22°11.3'	192°11.1'	7.1'	N 13°24.8'	8.4'	60.0'
10	258°08.8'	328°18.5'	S 22°11.0'	206°37.2'	7.0'	N 13°33.2'	8.3'	60.0'
11	273°11.3'	343°18.2'	S 22°10.6'	221°03.2'	7.0'	N 13°41.6'	8.3'	60.0'
12	288°13.7'	358°18.0'	S 22°10.3'	235°29.2'	6.9'	N 13°49.8'	8.2'	60.0'
13	303°16.2'	13°17.7'	S 22°09.9'	249°55.1'	6.9'	N 13°58.0'	8.1'	60.1'
14	318°18.6'	28°17.5'	S 22°09.6'	264°21.0'	6.8'	N 14°06.1'	8.0'	60.1'
15	333°21.1'	43°17.2'	S 22°09.2'	278°46.8'	6.7'	N 14°14.1'	7.9'	60.1'
16	348°23.6'	58°16.9'	S 22°08.9'	293°12.5'	6.7'	N 14°22.0'	7.8'	60.1'
17	3°26.0'	73°16.7'	S 22°08.5'	307°38.2'	6.6'	N 14°29.8'	7.7'	60.1'
18	18°28.5'	88°16.4'	S 22°08.2'	322°03.8'	6.5'	N 14°37.5'	7.6'	60.1'
19	33°31.0'	103°16.2'	S 22°07.8'	336°29.4'	6.5'	N 14°45.2'	7.5'	60.1'
20	48°33.4'	118°15.9'	S 22°07.5'	350°54.8'	6.4'	N 14°52.7'	7.4'	60.2'
21	63°35.9'	133°15.6'	S 22°07.1'	5°20.3'	6.4'	N 15°00.1'	7.3'	60.2'
22	78°38.4'	148°15.4'	S 22°06.8'	19°45.6'	6.3'	N 15°07.5'	7.3'	60.2'
23	93°40.8'	163°15.1'	S 22°06.4'	34°10.9'	6.2'	N 15°14.7'	7.2'	60.2'

Mon Jan 9, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 16.3'		SD = 16.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	108°43.3'	178°14.9'	S 22°06.1'	48°36.2'	6.2'	N 15°21.9'	7.1'	60.2'
1	123°45.8'	193°14.6'	S 22°05.7'	63°01.4'	6.1'	N 15°28.9'	7.0'	60.2'
2	138°48.2'	208°14.4'	S 22°05.4'	77°26.5'	6.1'	N 15°35.9'	6.9'	60.2'
3	153°50.7'	223°14.1'	S 22°05.0'	91°51.6'	6.0'	N 15°42.8'	6.7'	60.2'
4	168°53.1'	238°13.8'	S 22°04.6'	106°16.6'	6.0'	N 15°49.5'	6.6'	60.2'
5	183°55.6'	253°13.6'	S 22°04.3'	120°41.5'	5.9'	N 15°56.1'	6.5'	60.3'
6	198°58.1'	268°13.3'	S 22°03.9'	135°06.4'	5.8'	N 16°02.7'	6.4'	60.3'
7	214°00.5'	283°13.1'	S 22°03.6'	149°31.3'	5.8'	N 16°09.1'	6.3'	60.3'
8	229°03.0'	298°12.8'	S 22°03.2'	163°56.1'	5.7'	N 16°15.4'	6.2'	60.3'
9	244°05.5'	313°12.6'	S 22°02.8'	178°20.8'	5.7'	N 16°21.6'	6.1'	60.3'
10	259°07.9'	328°12.3'	S 22°02.5'	192°45.5'	5.6'	N 16°27.8'	6.0'	60.3'
11	274°10.4'	343°12.0'	S 22°02.1'	207°10.1'	5.6'	N 16°33.7'	5.9'	60.3'
12	289°12.9'	358°11.8'	S 22°01.8'	221°34.7'	5.5'	N 16°39.6'	5.8'	60.3'
13	304°15.3'	13°11.5'	S 22°01.4'	235°59.3'	5.5'	N 16°45.4'	5.7'	60.3'
14	319°17.8'	28°11.3'	S 22°01.0'	250°23.7'	5.4'	N 16°51.1'	5.5'	60.3'
15	334°20.3'	43°11.0'	S 22°00.7'	264°48.2'	5.4'	N 16°56.6'	5.4'	60.3'
16	349°22.7'	58°10.8'	S 22°00.3'	279°12.6'	5.3'	N 17°02.0'	5.3'	60.3'
17	4°25.2'	73°10.5'	S 21°59.9'	293°36.9'	5.3'	N 17°07.3'	5.2'	60.3'
18	19°27.6'	88°10.3'	S 21°59.6'	308°01.2'	5.3'	N 17°12.5'	5.1'	60.3'
19	34°30.1'	103°10.0'	S 21°59.2'	322°25.5'	5.2'	N 17°17.6'	5.0'	60.3'
20	49°32.6'	118°09.8'	S 21°58.8'	336°49.7'	5.2'	N 17°22.6'	4.8'	60.3'
21	64°35.0'	133°09.5'	S 21°58.5'	351°13.8'	5.1'	N 17°27.4'	4.7'	60.4'
22	79°37.5'	148°09.3'	S 21°58.1'	5°38.0'	5.1'	N 17°32.1'	4.6'	60.4'
23	94°40.0'	163°09.0'	S 21°57.7'	20°02.1'	5.1'	N 17°36.7'	4.5'	60.4'

Tue Jan 10, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 16.3'		SD = 16.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	109°42.4'	178°08.7'	S 21°57.3'	34°26.1'	5.0'	N 17°41.2'	4.3'	60.4'
1	124°44.9'	193°08.5'	S 21°57.0'	48°50.1'	5.0'	N 17°45.5'	4.2'	60.4'
2	139°47.4'	208°08.2'	S 21°56.6'	63°14.1'	4.9'	N 17°49.7'	4.1'	60.4'
3	154°49.8'	223°08.0'	S 21°56.2'	77°38.0'	4.9'	N 17°53.8'	4.0'	60.4'
4	169°52.3'	238°07.7'	S 21°55.9'	92°01.9'	4.9'	N 17°57.8'	3.8'	60.4'
5	184°54.7'	253°07.5'	S 21°55.5'	106°25.8'	4.8'	N 18°01.6'	3.7'	60.4'
6	199°57.2'	268°07.2'	S 21°55.1'	120°49.7'	4.8'	N 18°05.4'	3.6'	60.4'
7	214°59.7'	283°07.0'	S 21°54.7'	135°13.5'	4.8'	N 18°08.9'	3.5'	60.4'
8	230°02.1'	298°06.7'	S 21°54.3'	149°37.3'	4.8'	N 18°12.4'	3.3'	60.4'
9	245°04.6'	313°06.5'	S 21°54.0'	164°01.0'	4.7'	N 18°15.7'	3.2'	60.4'
10	260°07.1'	328°06.2'	S 21°53.6'	178°24.8'	4.7'	N 18°18.9'	3.1'	60.4'
11	275°09.5'	343°06.0'	S 21°53.2'	192°48.5'	4.7'	N 18°22.0'	2.9'	60.4'
12	290°12.0'	358°05.7'	S 21°52.8'	207°12.2'	4.7'	N 18°25.0'	2.8'	60.4'
13	305°14.5'	13°05.5'	S 21°52.4'	221°35.9'	4.7'	N 18°27.8'	2.7'	60.4'
14	320°16.9'	28°05.2'	S 21°52.1'	235°59.5'	4.6'	N 18°30.4'	2.5'	60.3'
15	335°19.4'	43°05.0'	S 21°51.7'	250°23.1'	4.6'	N 18°33.0'	2.4'	60.3'
16	350°21.9'	58°04.7'	S 21°51.3'	264°46.8'	4.6'	N 18°35.4'	2.3'	60.3'
17	5°24.3'	73°04.5'	S 21°50.9'	279°10.4'	4.6'	N 18°37.7'	2.2'	60.3'
18	20°26.8'	88°04.2'	S 21°50.5'	293°33.9'	4.6'	N 18°39.8'	2.0'	60.3'
19	35°29.2'	103°04.0'	S 21°50.1'	307°57.5'	4.6'	N 18°41.9'	1.9'	60.3'
20	50°31.7'	118°03.8'	S 21°49.8'	322°21.1'	4.6'	N 18°43.8'	1.8'	60.3'
21	65°34.2'	133°03.5'	S 21°49.4'	336°44.7'	4.6'	N 18°45.5'	1.6'	60.3'
22	80°36.6'	148°03.3'	S 21°49.0'	351°08.2'	4.5'	N 18°47.1'	1.5'	60.3'
23	95°39.1'	163°03.0'	S 21°48.6'	5°31.7'	4.5'	N 18°48.6'	1.3'	60.3'

Wed Jan 11, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 16.3'		SD = 16.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	110°41.6'	178°02.8'	S 21°48.2'	19°55.3'	4.5'	N 18°49.9'	1.2'	60.3'
1	125°44.0'	193°02.5'	S 21°47.8'	34°18.8'	4.5'	N 18°51.2'	1.1'	60.3'
2	140°46.5'	208°02.3'	S 21°47.4'	48°42.4'	4.5'	N 18°52.2'	0.9'	60.3'
3	155°49.0'	223°02.0'	S 21°47.0'	63°05.9'	4.5'	N 18°53.2'	0.8'	60.3'
4	170°51.4'	238°01.8'	S 21°46.6'	77°29.5'	4.5'	N 18°54.0'	0.7'	60.3'
5	185°53.9'	253°01.5'	S 21°46.2'	91°53.0'	4.6'	N 18°54.7'	0.5'	60.2'
6	200°56.4'	268°01.3'	S 21°45.8'	106°16.6'	4.6'	N 18°55.2'	0.4'	60.2'
7	215°58.8'	283°01.0'	S 21°45.5'	120°40.1'	4.6'	N 18°55.6'	0.3'	60.2'
8	231°01.3'	298°00.8'	S 21°45.1'	135°03.7'	4.6'	N 18°55.9'	0.1'	60.2'
9	246°03.7'	313°00.6'	S 21°44.7'	149°27.3'	4.6'	N 18°56.0'	0.0'	60.2'
10	261°06.2'	328°00.3'	S 21°44.3'	163°50.9'	4.6'	N 18°56.0'	0.1'	60.2'
11	276°08.7'	343°00.1'	S 21°43.9'	178°14.5'	4.6'	N 18°55.9'	0.3'	60.2'
12	291°11.1'	357°59.8'	S 21°43.5'	192°38.1'	4.6'	N 18°55.6'	0.4'	60.2'
13	306°13.6'	12°59.6'	S 21°43.1'	207°01.8'	4.7'	N 18°55.2'	0.5'	60.1'
14	321°16.1'	27°59.3'	S 21°42.7'	221°25.4'	4.7'	N 18°54.7'	0.7'	60.1'
15	336°18.5'	42°59.1'	S 21°42.3'	235°49.1'	4.7'	N 18°54.0'	0.8'	60.1'
16	351°21.0'	57°58.9'	S 21°41.9'	250°12.8'	4.7'	N 18°53.2'	0.9'	60.1'
17	6°23.5'	72°58.6'	S 21°41.5'	264°36.6'	4.8'	N 18°52.3'	1.1'	60.1'
18	21°25.9'	87°58.4'	S 21°41.1'	279°00.3'	4.8'	N 18°51.2'	1.2'	60.1'
19	36°28.4'	102°58.1'	S 21°40.7'	293°24.1'	4.8'	N 18°50.0'	1.3'	60.1'
20	51°30.9'	117°57.9'	S 21°40.3'	307°47.9'	4.8'	N 18°48.7'	1.5'	60.0'
21	66°33.3'	132°57.7'	S 21°39.8'	322°11.8'	4.9'	N 18°47.2'	1.6'	60.0'
22	81°35.8'	147°57.4'	S 21°39.4'	336°35.6'	4.9'	N 18°45.6'	1.7'	60.0'
23	96°38.2'	162°57.2'	S 21°39.0'	350°59.5'	4.9'	N 18°43.9'	1.9'	60.0'

Thu Jan 12, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 16.3'		SD = 16.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	111°40.7'	177°56.9'	S 21°38.6'	5°23.5'	5.0'	N 18°42.0'	2.0'	60.0'
1	126°43.2'	192°56.7'	S 21°38.2'	19°47.5'	5.0'	N 18°40.0'	2.1'	60.0'
2	141°45.6'	207°56.5'	S 21°37.8'	34°11.5'	5.1'	N 18°37.9'	2.2'	59.9'
3	156°48.1'	222°56.2'	S 21°37.4'	48°35.5'	5.1'	N 18°35.7'	2.4'	59.9'
4	171°50.6'	237°56.0'	S 21°37.0'	62°59.6'	5.1'	N 18°33.3'	2.5'	59.9'
5	186°53.0'	252°55.7'	S 21°36.6'	77°23.8'	5.2'	N 18°30.8'	2.6'	59.9'
6	201°55.5'	267°55.5'	S 21°36.2'	91°48.0'	5.2'	N 18°28.2'	2.8'	59.9'
7	216°58.0'	282°55.3'	S 21°35.8'	106°12.2'	5.3'	N 18°25.4'	2.9'	59.8'
8	232°00.4'	297°55.0'	S 21°35.3'	120°36.5'	5.3'	N 18°22.5'	3.0'	59.8'
9	247°02.9'	312°54.8'	S 21°34.9'	135°00.8'	5.4'	N 18°19.5'	3.1'	59.8'
10	262°05.4'	327°54.5'	S 21°34.5'	149°25.1'	5.4'	N 18°16.4'	3.2'	59.8'
11	277°07.8'	342°54.3'	S 21°34.1'	163°49.6'	5.5'	N 18°13.2'	3.4'	59.8'
12	292°10.3'	357°54.1'	S 21°33.7'	178°14.0'	5.5'	N 18°09.8'	3.5'	59.7'
13	307°12.7'	12°53.8'	S 21°33.3'	192°38.6'	5.6'	N 18°06.3'	3.6'	59.7'
14	322°15.2'	27°53.6'	S 21°32.9'	207°03.2'	5.6'	N 18°02.7'	3.7'	59.7'
15	337°17.7'	42°53.4'	S 21°32.4'	221°27.8'	5.7'	N 17°59.0'	3.8'	59.7'
16	352°20.1'	57°53.1'	S 21°32.0'	235°52.5'	5.8'	N 17°55.1'	4.0'	59.6'
17	7°22.6'	72°52.9'	S 21°31.6'	250°17.2'	5.8'	N 17°51.2'	4.1'	59.6'
18	22°25.1'	87°52.7'	S 21°31.2'	264°42.0'	5.9'	N 17°47.1'	4.2'	59.6'
19	37°27.5'	102°52.4'	S 21°30.8'	279°06.9'	5.9'	N 17°42.9'	4.3'	59.6'
20	52°30.0'	117°52.2'	S 21°30.3'	293°31.8'	6.0'	N 17°38.6'	4.4'	59.5'
21	67°32.5'	132°52.0'	S 21°29.9'	307°56.8'	6.1'	N 17°34.1'	4.5'	59.5'
22	82°34.9'	147°51.7'	S 21°29.5'	322°21.9'	6.1'	N 17°29.6'	4.7'	59.5'
23	97°37.4'	162°51.5'	S 21°29.1'	336°47.0'	6.2'	N 17°24.9'	4.8'	59.5'

Fri Jan 13, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 16.3'		SD = 16.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	112°39.9'	177°51.2'	S 21°28.6'	351°12.2'	6.3'	N 17°20.2'	4.9'	59.4'
1	127°42.3'	192°51.0'	S 21°28.2'	5°37.4'	6.3'	N 17°15.3'	5.0'	59.4'
2	142°44.8'	207°50.8'	S 21°27.8'	20°02.8'	6.4'	N 17°10.3'	5.1'	59.4'
3	157°47.2'	222°50.6'	S 21°27.4'	34°28.1'	6.5'	N 17°05.2'	5.2'	59.4'
4	172°49.7'	237°50.3'	S 21°26.9'	48°53.6'	6.5'	N 17°00.0'	5.3'	59.3'
5	187°52.2'	252°50.1'	S 21°26.5'	63°19.1'	6.6'	N 16°54.7'	5.4'	59.3'
6	202°54.6'	267°49.9'	S 21°26.1'	77°44.7'	6.7'	N 16°49.3'	5.5'	59.3'
7	217°57.1'	282°49.6'	S 21°25.6'	92°10.4'	6.7'	N 16°43.8'	5.6'	59.2'
8	232°59.6'	297°49.4'	S 21°25.2'	106°36.1'	6.8'	N 16°38.2'	5.7'	59.2'
9	248°02.0'	312°49.2'	S 21°24.8'	121°01.9'	6.9'	N 16°32.4'	5.8'	59.2'
10	263°04.5'	327°48.9'	S 21°24.4'	135°27.8'	7.0'	N 16°26.6'	5.9'	59.2'
11	278°07.0'	342°48.7'	S 21°23.9'	149°53.8'	7.0'	N 16°20.7'	6.0'	59.1'
12	293°09.4'	357°48.5'	S 21°23.5'	164°19.8'	7.1'	N 16°14.7'	6.1'	59.1'
13	308°11.9'	12°48.2'	S 21°23.1'	178°45.9'	7.2'	N 16°08.6'	6.2'	59.1'
14	323°14.3'	27°48.0'	S 21°22.6'	193°12.1'	7.3'	N 16°02.4'	6.3'	59.0'
15	338°16.8'	42°47.8'	S 21°22.2'	207°38.3'	7.3'	N 15°56.1'	6.4'	59.0'
16	353°19.3'	57°47.5'	S 21°21.7'	222°04.7'	7.4'	N 15°49.7'	6.5'	59.0'
17	8°21.7'	72°47.3'	S 21°21.3'	236°31.1'	7.5'	N 15°43.2'	6.6'	58.9'
18	23°24.2'	87°47.1'	S 21°20.9'	250°57.6'	7.6'	N 15°36.6'	6.7'	58.9'
19	38°26.7'	102°46.9'	S 21°20.4'	265°24.1'	7.6'	N 15°29.9'	6.8'	58.9'
20	53°29.1'	117°46.6'	S 21°20.0'	279°50.8'	7.7'	N 15°23.2'	6.8'	58.9'
21	68°31.6'	132°46.4'	S 21°19.6'	294°17.5'	7.8'	N 15°16.3'	6.9'	58.8'
22	83°34.1'	147°46.2'	S 21°19.1'	308°44.3'	7.9'	N 15°09.4'	7.0'	58.8'
23	98°36.5'	162°46.0'	S 21°18.7'	323°11.2'	8.0'	N 15°02.4'	7.1'	58.8'

Sat Jan 14, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 15.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	113°39.0'	177°45.7'	S 21°18.2'	337°38.2'	8.0'	N 14°55.3'	7.2'	58.7'
1	128°41.5'	192°45.5'	S 21°17.8'	352°05.2'	8.1'	N 14°48.1'	7.3'	58.7'
2	143°43.9'	207°45.3'	S 21°17.3'	6°32.3'	8.2'	N 14°40.8'	7.3'	58.7'
3	158°46.4'	222°45.0'	S 21°16.9'	20°59.5'	8.3'	N 14°33.5'	7.4'	58.6'
4	173°48.8'	237°44.8'	S 21°16.5'	35°26.8'	8.4'	N 14°26.1'	7.5'	58.6'
5	188°51.3'	252°44.6'	S 21°16.0'	49°54.2'	8.4'	N 14°18.6'	7.6'	58.6'
6	203°53.8'	267°44.4'	S 21°15.6'	64°21.6'	8.5'	N 14°11.0'	7.7'	58.5'
7	218°56.2'	282°44.1'	S 21°15.1'	78°49.2'	8.6'	N 14°03.3'	7.7'	58.5'
8	233°58.7'	297°43.9'	S 21°14.7'	93°16.8'	8.7'	N 13°55.6'	7.8'	58.5'
9	249°01.2'	312°43.7'	S 21°14.2'	107°44.5'	8.8'	N 13°47.8'	7.9'	58.4'
10	264°03.6'	327°43.5'	S 21°13.8'	122°12.2'	8.9'	N 13°39.9'	7.9'	58.4'
11	279°06.1'	342°43.2'	S 21°13.3'	136°40.1'	8.9'	N 13°32.0'	8.0'	58.4'
12	294°08.6'	357°43.0'	S 21°12.9'	151°08.0'	9.0'	N 13°24.0'	8.1'	58.3'
13	309°11.0'	12°42.8'	S 21°12.4'	165°36.0'	9.1'	N 13°15.9'	8.1'	58.3'
14	324°13.5'	27°42.6'	S 21°12.0'	180°04.1'	9.2'	N 13°07.8'	8.2'	58.3'
15	339°16.0'	42°42.4'	S 21°11.5'	194°32.3'	9.3'	N 12°59.5'	8.3'	58.2'
16	354°18.4'	57°42.1'	S 21°11.1'	209°00.6'	9.3'	N 12°51.3'	8.3'	58.2'
17	9°20.9'	72°41.9'	S 21°10.6'	223°28.9'	9.4'	N 12°42.9'	8.4'	58.1'
18	24°23.3'	87°41.7'	S 21°10.2'	237°57.3'	9.5'	N 12°34.5'	8.5'	58.1'
19	39°25.8'	102°41.5'	S 21°09.7'	252°25.8'	9.6'	N 12°26.1'	8.5'	58.1'
20	54°28.3'	117°41.2'	S 21°09.2'	266°54.4'	9.7'	N 12°17.6'	8.6'	58.0'
21	69°30.7'	132°41.0'	S 21°08.8'	281°23.0'	9.7'	N 12°09.0'	8.6'	58.0'
22	84°33.2'	147°40.8'	S 21°08.3'	295°51.8'	9.8'	N 12°00.4'	8.7'	58.0'
23	99°35.7'	162°40.6'	S 21°07.9'	310°20.6'	9.9'	N 11°51.7'	8.7'	57.9'

Sun Jan 15, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 15.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	114°38.1'	177°40.4'	S 21°07.4'	324°49.5'	10.0'	N 11°42.9'	8.8'	57.9'
1	129°40.6'	192°40.1'	S 21°07.0'	339°18.5'	10.1'	N 11°34.1'	8.8'	57.9'
2	144°43.1'	207°39.9'	S 21°06.5'	353°47.5'	10.1'	N 11°25.3'	8.9'	57.8'
3	159°45.5'	222°39.7'	S 21°06.0'	8°16.7'	10.2'	N 11°16.4'	8.9'	57.8'
4	174°48.0'	237°39.5'	S 21°05.6'	22°45.9'	10.3'	N 11°07.4'	9.0'	57.8'
5	189°50.5'	252°39.3'	S 21°05.1'	37°15.2'	10.4'	N 10°58.4'	9.0'	57.7'
6	204°52.9'	267°39.0'	S 21°04.7'	51°44.5'	10.4'	N 10°49.4'	9.1'	57.7'
7	219°55.4'	282°38.8'	S 21°04.2'	66°14.0'	10.5'	N 10°40.3'	9.1'	57.7'
8	234°57.8'	297°38.6'	S 21°03.7'	80°43.5'	10.6'	N 10°31.2'	9.2'	57.6'
9	250°00.3'	312°38.4'	S 21°03.3'	95°13.1'	10.7'	N 10°22.0'	9.2'	57.6'
10	265°02.8'	327°38.2'	S 21°02.8'	109°42.7'	10.7'	N 10°12.7'	9.3'	57.5'
11	280°05.2'	342°38.0'	S 21°02.3'	124°12.5'	10.8'	N 10°03.5'	9.3'	57.5'
12	295°07.7'	357°37.7'	S 21°01.9'	138°42.3'	10.9'	N 9°54.2'	9.3'	57.5'
13	310°10.2'	12°37.5'	S 21°01.4'	153°12.2'	11.0'	N 9°44.8'	9.4'	57.4'
14	325°12.6'	27°37.3'	S 21°00.9'	167°42.2'	11.0'	N 9°35.4'	9.4'	57.4'
15	340°15.1'	42°37.1'	S 21°00.5'	182°12.2'	11.1'	N 9°26.0'	9.5'	57.4'
16	355°17.6'	57°36.9'	S 20°60.0'	196°42.3'	11.2'	N 9°16.5'	9.5'	57.3'
17	10°20.0'	72°36.7'	S 20°59.5'	211°12.5'	11.3'	N 9°07.1'	9.5'	57.3'
18	25°22.5'	87°36.4'	S 20°59.0'	225°42.8'	11.3'	N 8°57.5'	9.6'	57.3'
19	40°24.9'	102°36.2'	S 20°58.6'	240°13.1'	11.4'	N 8°48.0'	9.6'	57.2'
20	55°27.4'	117°36.0'	S 20°58.1'	254°43.5'	11.5'	N 8°38.4'	9.6'	57.2'
21	70°29.9'	132°35.8'	S 20°57.6'	269°13.9'	11.5'	N 8°28.7'	9.7'	57.2'
22	85°32.3'	147°35.6'	S 20°57.1'	283°44.5'	11.6'	N 8°19.1'	9.7'	57.1'
23	100°34.8'	162°35.4'	S 20°56.7'	298°15.1'	11.7'	N 8°09.4'	9.7'	57.1'

Mon Jan 16, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 15.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	115°37.3'	177°35.2'	S 20°56.2'	312°45.8'	11.7'	N 7°59.7'	9.7'	57.0'
1	130°39.7'	192°35.0'	S 20°55.7'	327°16.5'	11.8'	N 7°49.9'	9.8'	57.0'
2	145°42.2'	207°34.7'	S 20°55.2'	341°47.3'	11.9'	N 7°40.2'	9.8'	57.0'
3	160°44.7'	222°34.5'	S 20°54.8'	356°18.2'	11.9'	N 7°30.4'	9.8'	56.9'
4	175°47.1'	237°34.3'	S 20°54.3'	10°49.1'	12.0'	N 7°20.5'	9.8'	56.9'
5	190°49.6'	252°34.1'	S 20°53.8'	25°20.1'	12.1'	N 7°10.7'	9.9'	56.9'
6	205°52.1'	267°33.9'	S 20°53.3'	39°51.2'	12.1'	N 7°00.8'	9.9'	56.8'
7	220°54.5'	282°33.7'	S 20°52.9'	54°22.3'	12.2'	N 6°51.0'	9.9'	56.8'
8	235°57.0'	297°33.5'	S 20°52.4'	68°53.5'	12.3'	N 6°41.0'	9.9'	56.8'
9	250°59.4'	312°33.3'	S 20°51.9'	83°24.8'	12.3'	N 6°31.1'	9.9'	56.7'
10	266°01.9'	327°33.0'	S 20°51.4'	97°56.1'	12.4'	N 6°21.2'	10.0'	56.7'
11	281°04.4'	342°32.8'	S 20°50.9'	112°27.4'	12.4'	N 6°11.2'	10.0'	56.7'
12	296°06.8'	357°32.6'	S 20°50.4'	126°58.9'	12.5'	N 6°01.2'	10.0'	56.6'
13	311°09.3'	12°32.4'	S 20°50.0'	141°30.4'	12.6'	N 5°51.2'	10.0'	56.6'
14	326°11.8'	27°32.2'	S 20°49.5'	156°01.9'	12.6'	N 5°41.2'	10.0'	56.6'
15	341°14.2'	42°32.0'	S 20°49.0'	170°33.5'	12.7'	N 5°31.2'	10.0'	56.5'
16	356°16.7'	57°31.8'	S 20°48.5'	185°05.2'	12.7'	N 5°21.2'	10.1'	56.5'
17	11°19.2'	72°31.6'	S 20°48.0'	199°36.9'	12.8'	N 5°11.1'	10.1'	56.5'
18	26°21.6'	87°31.4'	S 20°47.5'	214°08.7'	12.8'	N 5°01.0'	10.1'	56.4'
19	41°24.1'	102°31.2'	S 20°47.0'	228°40.5'	12.9'	N 4°51.0'	10.1'	56.4'
20	56°26.5'	117°31.0'	S 20°46.5'	243°12.4'	12.9'	N 4°40.9'	10.1'	56.4'
21	71°29.0'	132°30.8'	S 20°46.1'	257°44.4'	13.0'	N 4°30.8'	10.1'	56.3'
22	86°31.5'	147°30.5'	S 20°45.6'	272°16.4'	13.0'	N 4°20.7'	10.1'	56.3'
23	101°33.9'	162°30.3'	S 20°45.1'	286°48.4'	13.1'	N 4°10.6'	10.1'	56.3'

Tue Jan 17, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 15.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	116°36.4'	177°30.1'	S 20°44.6'	301°20.5'	13.1'	N 4°00.5'	10.1'	56.2'
1	131°38.9'	192°29.9'	S 20°44.1'	315°52.7'	13.2'	N 3°50.3'	10.1'	56.2'
2	146°41.3'	207°29.7'	S 20°43.6'	330°24.8'	13.2'	N 3°40.2'	10.1'	56.2'
3	161°43.8'	222°29.5'	S 20°43.1'	344°57.1'	13.3'	N 3°30.1'	10.1'	56.1'
4	176°46.3'	237°29.3'	S 20°42.6'	359°29.4'	13.3'	N 3°19.9'	10.1'	56.1'
5	191°48.7'	252°29.1'	S 20°42.1'	14°01.7'	13.4'	N 3°09.8'	10.1'	56.1'
6	206°51.2'	267°28.9'	S 20°41.6'	28°34.1'	13.4'	N 2°59.7'	10.1'	56.0'
7	221°53.7'	282°28.7'	S 20°41.1'	43°06.5'	13.5'	N 2°49.5'	10.1'	56.0'
8	236°56.1'	297°28.5'	S 20°40.6'	57°39.0'	13.5'	N 2°39.4'	10.1'	56.0'
9	251°58.6'	312°28.3'	S 20°40.1'	72°11.5'	13.6'	N 2°29.2'	10.1'	55.9'
10	267°01.0'	327°28.1'	S 20°39.6'	86°44.1'	13.6'	N 2°19.1'	10.1'	55.9'
11	282°03.5'	342°27.9'	S 20°39.1'	101°16.7'	13.6'	N 2°09.0'	10.1'	55.9'
12	297°06.0'	357°27.7'	S 20°38.6'	115°49.3'	13.7'	N 1°58.8'	10.1'	55.8'
13	312°08.4'	12°27.5'	S 20°38.1'	130°22.0'	13.7'	N 1°48.7'	10.1'	55.8'
14	327°10.9'	27°27.3'	S 20°37.6'	144°54.8'	13.8'	N 1°38.6'	10.1'	55.8'
15	342°13.4'	42°27.1'	S 20°37.1'	159°27.5'	13.8'	N 1°28.4'	10.1'	55.8'
16	357°15.8'	57°26.9'	S 20°36.6'	174°00.3'	13.8'	N 1°18.3'	10.1'	55.7'
17	12°18.3'	72°26.7'	S 20°36.1'	188°33.2'	13.9'	N 1°08.2'	10.1'	55.7'
18	27°20.8'	87°26.5'	S 20°35.6'	203°06.0'	13.9'	N 0°58.1'	10.1'	55.7'
19	42°23.2'	102°26.3'	S 20°35.1'	217°39.0'	13.9'	N 0°48.0'	10.1'	55.6'
20	57°25.7'	117°26.1'	S 20°34.6'	232°11.9'	14.0'	N 0°37.9'	10.1'	55.6'
21	72°28.2'	132°25.9'	S 20°34.1'	246°44.9'	14.0'	N 0°27.8'	10.1'	55.6'
22	87°30.6'	147°25.7'	S 20°33.6'	261°17.9'	14.0'	N 0°17.7'	10.1'	55.6'
23	102°33.1'	162°25.5'	S 20°33.1'	275°51.0'	14.1'	N 0°07.7'	10.1'	55.5'

Wed Jan 18, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	117°35.5'	177°25.3'	S 20°32.6'	290°24.0'	14.1'	S 0°02.4'	10.0'	55.5'
1	132°38.0'	192°25.1'	S 20°32.1'	304°57.2'	14.1'	S 0°12.4'	10.0'	55.5'
2	147°40.5'	207°24.9'	S 20°31.5'	319°30.3'	14.2'	S 0°22.5'	10.0'	55.4'
3	162°42.9'	222°24.7'	S 20°31.0'	334°03.5'	14.2'	S 0°32.5'	10.0'	55.4'
4	177°45.4'	237°24.5'	S 20°30.5'	348°36.7'	14.2'	S 0°42.5'	10.0'	55.4'
5	192°47.9'	252°24.3'	S 20°30.0'	3°09.9'	14.3'	S 0°52.5'	10.0'	55.4'
6	207°50.3'	267°24.1'	S 20°29.5'	17°43.2'	14.3'	S 1°02.5'	10.0'	55.3'
7	222°52.8'	282°23.9'	S 20°29.0'	32°16.4'	14.3'	S 1°12.4'	10.0'	55.3'
8	237°55.3'	297°23.7'	S 20°28.5'	46°49.8'	14.3'	S 1°22.4'	9.9'	55.3'
9	252°57.7'	312°23.5'	S 20°28.0'	61°23.1'	14.4'	S 1°32.3'	9.9'	55.3'
10	268°00.2'	327°23.3'	S 20°27.4'	75°56.4'	14.4'	S 1°42.2'	9.9'	55.2'
11	283°02.6'	342°23.1'	S 20°26.9'	90°29.8'	14.4'	S 1°52.2'	9.9'	55.2'
12	298°05.1'	357°22.9'	S 20°26.4'	105°03.2'	14.4'	S 2°02.0'	9.9'	55.2'
13	313°07.6'	12°22.7'	S 20°25.9'	119°36.6'	14.4'	S 2°11.9'	9.8'	55.2'
14	328°10.0'	27°22.5'	S 20°25.4'	134°10.1'	14.5'	S 2°21.7'	9.8'	55.1'
15	343°12.5'	42°22.3'	S 20°24.9'	148°43.6'	14.5'	S 2°31.6'	9.8'	55.1'
16	358°15.0'	57°22.1'	S 20°24.3'	163°17.0'	14.5'	S 2°41.4'	9.8'	55.1'
17	13°17.4'	72°21.9'	S 20°23.8'	177°50.5'	14.5'	S 2°51.2'	9.8'	55.1'
18	28°19.9'	87°21.7'	S 20°23.3'	192°24.1'	14.5'	S 3°00.9'	9.7'	55.0'
19	43°22.4'	102°21.6'	S 20°22.8'	206°57.6'	14.6'	S 3°10.7'	9.7'	55.0'
20	58°24.8'	117°21.4'	S 20°22.3'	221°31.2'	14.6'	S 3°20.4'	9.7'	55.0'
21	73°27.3'	132°21.2'	S 20°21.7'	236°04.7'	14.6'	S 3°30.1'	9.7'	55.0'
22	88°29.8'	147°21.0'	S 20°21.2'	250°38.3'	14.6'	S 3°39.8'	9.7'	55.0'
23	103°32.2'	162°20.8'	S 20°20.7'	265°11.9'	14.6'	S 3°49.4'	9.6'	54.9'

Thu Jan 19, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	118°34.7'	177°20.6'	S 20°20.2'	279°45.5'	14.6'	S 3°59.1'	9.6'	54.9'
1	133°37.1'	192°20.4'	S 20°19.6'	294°19.1'	14.6'	S 4°08.7'	9.6'	54.9'
2	148°39.6'	207°20.2'	S 20°19.1'	308°52.8'	14.6'	S 4°18.3'	9.6'	54.9'
3	163°42.1'	222°20.0'	S 20°18.6'	323°26.4'	14.7'	S 4°27.8'	9.5'	54.8'
4	178°44.5'	237°19.8'	S 20°18.1'	338°00.1'	14.7'	S 4°37.3'	9.5'	54.8'
5	193°47.0'	252°19.6'	S 20°17.5'	352°33.7'	14.7'	S 4°46.8'	9.5'	54.8'
6	208°49.5'	267°19.5'	S 20°17.0'	7°07.4'	14.7'	S 4°56.3'	9.4'	54.8'
7	223°51.9'	282°19.3'	S 20°16.5'	21°41.1'	14.7'	S 5°05.8'	9.4'	54.8'
8	238°54.4'	297°19.1'	S 20°15.9'	36°14.8'	14.7'	S 5°15.2'	9.4'	54.8'
9	253°56.9'	312°18.9'	S 20°15.4'	50°48.5'	14.7'	S 5°24.6'	9.4'	54.7'
10	268°59.3'	327°18.7'	S 20°14.9'	65°22.2'	14.7'	S 5°33.9'	9.3'	54.7'
11	284°01.8'	342°18.5'	S 20°14.3'	79°55.9'	14.7'	S 5°43.3'	9.3'	54.7'
12	299°04.3'	357°18.3'	S 20°13.8'	94°29.6'	14.7'	S 5°52.6'	9.3'	54.7'
13	314°06.7'	12°18.1'	S 20°13.3'	109°03.3'	14.7'	S 6°01.8'	9.2'	54.7'
14	329°09.2'	27°17.9'	S 20°12.7'	123°37.0'	14.7'	S 6°11.1'	9.2'	54.6'
15	344°11.6'	42°17.8'	S 20°12.2'	138°10.7'	14.7'	S 6°20.3'	9.2'	54.6'
16	359°14.1'	57°17.6'	S 20°11.7'	152°44.5'	14.7'	S 6°29.4'	9.1'	54.6'
17	14°16.6'	72°17.4'	S 20°11.1'	167°18.2'	14.7'	S 6°38.6'	9.1'	54.6'
18	29°19.0'	87°17.2'	S 20°10.6'	181°51.9'	14.7'	S 6°47.7'	9.1'	54.6'
19	44°21.5'	102°17.0'	S 20°10.1'	196°25.6'	14.7'	S 6°56.8'	9.0'	54.6'
20	59°24.0'	117°16.8'	S 20°09.5'	210°59.3'	14.7'	S 7°05.8'	9.0'	54.5'
21	74°26.4'	132°16.6'	S 20°09.0'	225°33.1'	14.7'	S 7°14.8'	9.0'	54.5'
22	89°28.9'	147°16.5'	S 20°08.5'	240°06.8'	14.7'	S 7°23.8'	8.9'	54.5'
23	104°31.4'	162°16.3'	S 20°07.9'	254°40.5'	14.7'	S 7°32.7'	8.9'	54.5'

Fri Jan 20, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 16.3'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	119°33.8'	177°16.1'	S 20°07.4'	269°14.2'	14.7'	S 7°41.6'	8.9'	54.5'
1	134°36.3'	192°15.9'	S 20°06.8'	283°47.9'	14.7'	S 7°50.5'	8.8'	54.5'
2	149°38.7'	207°15.7'	S 20°06.3'	298°21.6'	14.7'	S 7°59.3'	8.8'	54.5'
3	164°41.2'	222°15.5'	S 20°05.7'	312°55.3'	14.7'	S 8°08.1'	8.7'	54.4'
4	179°43.7'	237°15.4'	S 20°05.2'	327°29.0'	14.7'	S 8°16.8'	8.7'	54.4'
5	194°46.1'	252°15.2'	S 20°04.7'	342°02.6'	14.7'	S 8°25.5'	8.7'	54.4'
6	209°48.6'	267°15.0'	S 20°04.1'	356°36.3'	14.7'	S 8°34.2'	8.6'	54.4'
7	224°51.1'	282°14.8'	S 20°03.6'	11°10.0'	14.6'	S 8°42.8'	8.6'	54.4'
8	239°53.5'	297°14.6'	S 20°03.0'	25°43.6'	14.6'	S 8°51.4'	8.6'	54.4'
9	254°56.0'	312°14.4'	S 20°02.5'	40°17.2'	14.6'	S 8°60.0'	8.5'	54.4'
10	269°58.5'	327°14.3'	S 20°01.9'	54°50.9'	14.6'	S 9°08.5'	8.5'	54.4'
11	285°00.9'	342°14.1'	S 20°01.4'	69°24.5'	14.6'	S 9°17.0'	8.4'	54.3'
12	300°03.4'	357°13.9'	S 20°00.8'	83°58.1'	14.6'	S 9°25.4'	8.4'	54.3'
13	315°05.9'	12°13.7'	S 20°00.3'	98°31.7'	14.6'	S 9°33.8'	8.3'	54.3'
14	330°08.3'	27°13.5'	S 19°59.7'	113°05.3'	14.6'	S 9°42.1'	8.3'	54.3'
15	345°10.8'	42°13.4'	S 19°59.2'	127°38.8'	14.6'	S 9°50.4'	8.3'	54.3'
16	0°13.2'	57°13.2'	S 19°58.6'	142°12.4'	14.5'	S 9°58.7'	8.2'	54.3'
17	15°15.7'	72°13.0'	S 19°58.1'	156°45.9'	14.5'	S 10°06.9'	8.2'	54.3'
18	30°18.2'	87°12.8'	S 19°57.5'	171°19.4'	14.5'	S 10°15.1'	8.1'	54.3'
19	45°20.6'	102°12.7'	S 19°57.0'	185°53.0'	14.5'	S 10°23.2'	8.1'	54.3'
20	60°23.1'	117°12.5'	S 19°56.4'	200°26.4'	14.5'	S 10°31.2'	8.0'	54.3'
21	75°25.6'	132°12.3'	S 19°55.9'	214°59.9'	14.5'	S 10°39.3'	8.0'	54.3'
22	90°28.0'	147°12.1'	S 19°55.3'	229°33.4'	14.4'	S 10°47.3'	7.9'	54.2'
23	105°30.5'	162°11.9'	S 19°54.8'	244°06.8'	14.4'	S 10°55.2'	7.9'	54.2'

Sat Jan 21, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 16.3'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	120°33.0'	177°11.8'	S 19°54.2'	258°40.2'	14.4'	S 11°03.1'	7.8'	54.2'
1	135°35.4'	192°11.6'	S 19°53.7'	273°13.6'	14.4'	S 11°10.9'	7.8'	54.2'
2	150°37.9'	207°11.4'	S 19°53.1'	287°47.0'	14.4'	S 11°18.7'	7.7'	54.2'
3	165°40.4'	222°11.2'	S 19°52.5'	302°20.4'	14.3'	S 11°26.5'	7.7'	54.2'
4	180°42.8'	237°11.1'	S 19°52.0'	316°53.7'	14.3'	S 11°34.2'	7.6'	54.2'
5	195°45.3'	252°10.9'	S 19°51.4'	331°27.0'	14.3'	S 11°41.8'	7.6'	54.2'
6	210°47.7'	267°10.7'	S 19°50.9'	346°00.3'	14.3'	S 11°49.4'	7.5'	54.2'
7	225°50.2'	282°10.5'	S 19°50.3'	0°33.6'	14.2'	S 11°56.9'	7.5'	54.2'
8	240°52.7'	297°10.4'	S 19°49.7'	15°06.8'	14.2'	S 12°04.4'	7.4'	54.2'
9	255°55.1'	312°10.2'	S 19°49.2'	29°40.0'	14.2'	S 12°11.9'	7.4'	54.2'
10	270°57.6'	327°10.0'	S 19°48.6'	44°13.2'	14.2'	S 12°19.2'	7.3'	54.2'
11	286°00.1'	342°09.8'	S 19°48.1'	58°46.4'	14.2'	S 12°26.6'	7.3'	54.2'
12	301°02.5'	357°09.7'	S 19°47.5'	73°19.6'	14.1'	S 12°33.9'	7.2'	54.2'
13	316°05.0'	12°09.5'	S 19°46.9'	87°52.7'	14.1'	S 12°41.1'	7.2'	54.2'
14	331°07.5'	27°09.3'	S 19°46.4'	102°25.8'	14.1'	S 12°48.3'	7.1'	54.2'
15	346°09.9'	42°09.2'	S 19°45.8'	116°58.9'	14.0'	S 12°55.4'	7.1'	54.2'
16	1°12.4'	57°09.0'	S 19°45.2'	131°31.9'	14.0'	S 13°02.5'	7.0'	54.2'
17	16°14.8'	72°08.8'	S 19°44.7'	146°05.0'	14.0'	S 13°09.5'	7.0'	54.2'
18	31°17.3'	87°08.6'	S 19°44.1'	160°37.9'	14.0'	S 13°16.4'	6.9'	54.2'
19	46°19.8'	102°08.5'	S 19°43.5'	175°10.9'	13.9'	S 13°23.3'	6.8'	54.2'
20	61°22.2'	117°08.3'	S 19°43.0'	189°43.9'	13.9'	S 13°30.1'	6.8'	54.2'
21	76°24.7'	132°08.1'	S 19°42.4'	204°16.8'	13.9'	S 13°36.9'	6.7'	54.2'
22	91°27.2'	147°08.0'	S 19°41.8'	218°49.6'	13.9'	S 13°43.7'	6.7'	54.2'
23	106°29.6'	162°07.8'	S 19°41.2'	233°22.5'	13.8'	S 13°50.3'	6.6'	54.2'

Sun Jan 22, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 16.2'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	121°32.1'	177°07.6'	S 19°40.7'	247°55.3'	13.8'	S 13°56.9'	6.5'	54.2'
1	136°34.6'	192°07.5'	S 19°40.1'	262°28.1'	13.8'	S 14°03.5'	6.5'	54.2'
2	151°37.0'	207°07.3'	S 19°39.5'	277°00.9'	13.7'	S 14°10.0'	6.4'	54.2'
3	166°39.5'	222°07.1'	S 19°39.0'	291°33.6'	13.7'	S 14°16.4'	6.4'	54.2'
4	181°42.0'	237°07.0'	S 19°38.4'	306°06.3'	13.7'	S 14°22.8'	6.3'	54.2'
5	196°44.4'	252°06.8'	S 19°37.8'	320°39.0'	13.6'	S 14°29.1'	6.2'	54.2'
6	211°46.9'	267°06.6'	S 19°37.2'	335°11.6'	13.6'	S 14°35.3'	6.2'	54.2'
7	226°49.3'	282°06.5'	S 19°36.7'	349°44.2'	13.6'	S 14°41.5'	6.1'	54.2'
8	241°51.8'	297°06.3'	S 19°36.1'	4°16.8'	13.5'	S 14°47.6'	6.1'	54.2'
9	256°54.3'	312°06.1'	S 19°35.5'	18°49.3'	13.5'	S 14°53.7'	6.0'	54.2'
10	271°56.7'	327°06.0'	S 19°34.9'	33°21.8'	13.5'	S 14°59.7'	5.9'	54.2'
11	286°59.2'	342°05.8'	S 19°34.3'	47°54.3'	13.4'	S 15°05.6'	5.9'	54.2'
12	302°01.7'	357°05.6'	S 19°33.8'	62°26.7'	13.4'	S 15°11.4'	5.8'	54.2'
13	317°04.1'	12°05.5'	S 19°33.2'	76°59.1'	13.4'	S 15°17.2'	5.7'	54.2'
14	332°06.6'	27°05.3'	S 19°32.6'	91°31.5'	13.3'	S 15°23.0'	5.7'	54.2'
15	347°09.1'	42°05.1'	S 19°32.0'	106°03.9'	13.3'	S 15°28.6'	5.6'	54.2'
16	2°11.5'	57°05.0'	S 19°31.4'	120°36.2'	13.3'	S 15°34.2'	5.5'	54.2'
17	17°14.0'	72°04.8'	S 19°30.9'	135°08.4'	13.2'	S 15°39.8'	5.5'	54.2'
18	32°16.5'	87°04.6'	S 19°30.3'	149°40.7'	13.2'	S 15°45.2'	5.4'	54.2'
19	47°18.9'	102°04.5'	S 19°29.7'	164°12.9'	13.2'	S 15°50.6'	5.3'	54.2'
20	62°21.4'	117°04.3'	S 19°29.1'	178°45.0'	13.1'	S 15°56.0'	5.3'	54.2'
21	77°23.8'	132°04.2'	S 19°28.5'	193°17.2'	13.1'	S 16°01.2'	5.2'	54.2'
22	92°26.3'	147°04.0'	S 19°27.9'	207°49.3'	13.1'	S 16°06.4'	5.1'	54.2'
23	107°28.8'	162°03.8'	S 19°27.4'	222°21.3'	13.0'	S 16°11.5'	5.1'	54.2'

Mon Jan 23, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 16.2'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	122°31.2'	177°03.7'	S 19°26.8'	236°53.3'	13.0'	S 16°16.6'	5.0'	54.2'
1	137°33.7'	192°03.5'	S 19°26.2'	251°25.3'	13.0'	S 16°21.6'	4.9'	54.2'
2	152°36.2'	207°03.4'	S 19°25.6'	265°57.3'	12.9'	S 16°26.5'	4.8'	54.3'
3	167°38.6'	222°03.2'	S 19°25.0'	280°29.2'	12.9'	S 16°31.3'	4.8'	54.3'
4	182°41.1'	237°03.0'	S 19°24.4'	295°01.1'	12.8'	S 16°36.1'	4.7'	54.3'
5	197°43.6'	252°02.9'	S 19°23.8'	309°32.9'	12.8'	S 16°40.8'	4.6'	54.3'
6	212°46.0'	267°02.7'	S 19°23.2'	324°04.7'	12.8'	S 16°45.4'	4.5'	54.3'
7	227°48.5'	282°02.6'	S 19°22.6'	338°36.5'	12.7'	S 16°49.9'	4.5'	54.3'
8	242°50.9'	297°02.4'	S 19°22.1'	353°08.2'	12.7'	S 16°54.4'	4.4'	54.3'
9	257°53.4'	312°02.2'	S 19°21.5'	7°39.9'	12.7'	S 16°58.8'	4.3'	54.3'
10	272°55.9'	327°02.1'	S 19°20.9'	22°11.6'	12.6'	S 17°03.1'	4.2'	54.3'
11	287°58.3'	342°01.9'	S 19°20.3'	36°43.2'	12.6'	S 17°07.4'	4.2'	54.3'
12	303°00.8'	357°01.8'	S 19°19.7'	51°14.8'	12.6'	S 17°11.5'	4.1'	54.3'
13	318°03.3'	12°01.6'	S 19°19.1'	65°46.3'	12.5'	S 17°15.6'	4.0'	54.3'
14	333°05.7'	27°01.5'	S 19°18.5'	80°17.9'	12.5'	S 17°19.6'	3.9'	54.4'
15	348°08.2'	42°01.3'	S 19°17.9'	94°49.3'	12.4'	S 17°23.6'	3.9'	54.4'
16	3°10.7'	57°01.2'	S 19°17.3'	109°20.8'	12.4'	S 17°27.4'	3.8'	54.4'
17	18°13.1'	72°01.0'	S 19°16.7'	123°52.2'	12.4'	S 17°31.2'	3.7'	54.4'
18	33°15.6'	87°00.8'	S 19°16.1'	138°23.6'	12.3'	S 17°34.9'	3.6'	54.4'
19	48°18.1'	102°00.7'	S 19°15.5'	152°54.9'	12.3'	S 17°38.5'	3.5'	54.4'
20	63°20.5'	117°00.5'	S 19°14.9'	167°26.2'	12.3'	S 17°42.1'	3.5'	54.4'
21	78°23.0'	132°00.4'	S 19°14.3'	181°57.4'	12.2'	S 17°45.6'	3.4'	54.4'
22	93°25.4'	147°00.2'	S 19°13.7'	196°28.7'	12.2'	S 17°48.9'	3.3'	54.4'
23	108°27.9'	162°00.1'	S 19°13.1'	210°59.9'	12.2'	S 17°52.2'	3.2'	54.5'

Tue Jan 24, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 16.2'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	123°30.4'	176°59.9'	S 19°12.5'	225°31.0'	12.1'	S 17°55.5'	3.1'	54.5'
1	138°32.8'	191°59.8'	S 19°11.9'	240°02.1'	12.1'	S 17°58.6'	3.1'	54.5'
2	153°35.3'	206°59.6'	S 19°11.3'	254°33.2'	12.0'	S 18°01.7'	3.0'	54.5'
3	168°37.8'	221°59.5'	S 19°10.7'	269°04.3'	12.0'	S 18°04.6'	2.9'	54.5'
4	183°40.2'	236°59.3'	S 19°10.1'	283°35.3'	12.0'	S 18°07.5'	2.8'	54.5'
5	198°42.7'	251°59.2'	S 19°09.5'	298°06.2'	11.9'	S 18°10.3'	2.7'	54.5'
6	213°45.2'	266°59.0'	S 19°08.9'	312°37.2'	11.9'	S 18°13.1'	2.6'	54.5'
7	228°47.6'	281°58.9'	S 19°08.3'	327°08.1'	11.9'	S 18°15.7'	2.6'	54.6'
8	243°50.1'	296°58.7'	S 19°07.7'	341°39.0'	11.8'	S 18°18.3'	2.5'	54.6'
9	258°52.6'	311°58.6'	S 19°07.1'	356°09.8'	11.8'	S 18°20.7'	2.4'	54.6'
10	273°55.0'	326°58.4'	S 19°06.5'	10°40.6'	11.8'	S 18°23.1'	2.3'	54.6'
11	288°57.5'	341°58.3'	S 19°05.8'	25°11.4'	11.7'	S 18°25.4'	2.2'	54.6'
12	303°59.9'	356°58.1'	S 19°05.2'	39°42.1'	11.7'	S 18°27.7'	2.1'	54.6'
13	319°02.4'	11°58.0'	S 19°04.6'	54°12.8'	11.7'	S 18°29.8'	2.0'	54.6'
14	334°04.9'	26°57.8'	S 19°04.0'	68°43.5'	11.6'	S 18°31.8'	2.0'	54.7'
15	349°07.3'	41°57.7'	S 19°03.4'	83°14.1'	11.6'	S 18°33.8'	1.9'	54.7'
16	4°09.8'	56°57.5'	S 19°02.8'	97°44.7'	11.6'	S 18°35.6'	1.8'	54.7'
17	19°12.3'	71°57.4'	S 19°02.2'	112°15.3'	11.5'	S 18°37.4'	1.7'	54.7'
18	34°14.7'	86°57.2'	S 19°01.6'	126°45.8'	11.5'	S 18°39.1'	1.6'	54.7'
19	49°17.2'	101°57.1'	S 19°01.0'	141°16.4'	11.5'	S 18°40.7'	1.5'	54.7'
20	64°19.7'	116°56.9'	S 19°00.3'	155°46.8'	11.4'	S 18°42.2'	1.4'	54.8'
21	79°22.1'	131°56.8'	S 18°59.7'	170°17.3'	11.4'	S 18°43.7'	1.3'	54.8'
22	94°24.6'	146°56.6'	S 18°59.1'	184°47.7'	11.4'	S 18°45.0'	1.2'	54.8'
23	109°27.1'	161°56.5'	S 18°58.5'	199°18.1'	11.4'	S 18°46.2'	1.2'	54.8'

Wed Jan 25, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 16.2'		SD = 15.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	124°29.5'	176°56.4'	S 18°57.9'	213°48.5'	11.3'	S 18°47.4'	1.1'	54.8'
1	139°32.0'	191°56.2'	S 18°57.3'	228°18.8'	11.3'	S 18°48.4'	1.0'	54.8'
2	154°34.4'	206°56.1'	S 18°56.7'	242°49.1'	11.3'	S 18°49.4'	0.9'	54.9'
3	169°36.9'	221°55.9'	S 18°56.0'	257°19.4'	11.2'	S 18°50.3'	0.8'	54.9'
4	184°39.4'	236°55.8'	S 18°55.4'	271°49.6'	11.2'	S 18°51.1'	0.7'	54.9'
5	199°41.8'	251°55.6'	S 18°54.8'	286°19.8'	11.2'	S 18°51.8'	0.6'	54.9'
6	214°44.3'	266°55.5'	S 18°54.2'	300°50.0'	11.2'	S 18°52.4'	0.5'	54.9'
7	229°46.8'	281°55.4'	S 18°53.6'	315°20.2'	11.1'	S 18°52.9'	0.4'	54.9'
8	244°49.2'	296°55.2'	S 18°52.9'	329°50.3'	11.1'	S 18°53.3'	0.3'	55.0'
9	259°51.7'	311°55.1'	S 18°52.3'	344°20.4'	11.1'	S 18°53.7'	0.2'	55.0'
10	274°54.2'	326°54.9'	S 18°51.7'	358°50.5'	11.1'	S 18°53.9'	0.1'	55.0'
11	289°56.6'	341°54.8'	S 18°51.1'	13°20.5'	11.0'	S 18°54.0'	0.0'	55.0'
12	304°59.1'	356°54.6'	S 18°50.4'	27°50.6'	11.0'	S 18°54.1'	0.0'	55.0'
13	320°01.5'	11°54.5'	S 18°49.8'	42°20.6'	11.0'	S 18°54.0'	0.1'	55.1'
14	335°04.0'	26°54.4'	S 18°49.2'	56°50.6'	11.0'	S 18°53.9'	0.2'	55.1'
15	350°06.5'	41°54.2'	S 18°48.6'	71°20.5'	10.9'	S 18°53.7'	0.3'	55.1'
16	5°08.9'	56°54.1'	S 18°47.9'	85°50.5'	10.9'	S 18°53.4'	0.4'	55.1'
17	20°11.4'	71°53.9'	S 18°47.3'	100°20.4'	10.9'	S 18°52.9'	0.5'	55.1'
18	35°13.9'	86°53.8'	S 18°46.7'	114°50.3'	10.9'	S 18°52.4'	0.6'	55.1'
19	50°16.3'	101°53.7'	S 18°46.1'	129°20.2'	10.9'	S 18°51.8'	0.7'	55.2'
20	65°18.8'	116°53.5'	S 18°45.4'	143°50.0'	10.8'	S 18°51.1'	0.8'	55.2'
21	80°21.3'	131°53.4'	S 18°44.8'	158°19.8'	10.8'	S 18°50.3'	0.9'	55.2'
22	95°23.7'	146°53.3'	S 18°44.2'	172°49.7'	10.8'	S 18°49.4'	1.0'	55.2'
23	110°26.2'	161°53.1'	S 18°43.6'	187°19.5'	10.8'	S 18°48.4'	1.1'	55.2'

Thu Jan 26, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 16.2'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	125°28.7'	176°53.0'	S 18°42.9'	201°49.2'	10.8'	S 18°47.3'	1.2'	55.3'
1	140°31.1'	191°52.8'	S 18°42.3'	216°19.0'	10.7'	S 18°46.1'	1.3'	55.3'
2	155°33.6'	206°52.7'	S 18°41.7'	230°48.7'	10.7'	S 18°44.9'	1.4'	55.3'
3	170°36.0'	221°52.6'	S 18°41.0'	245°18.4'	10.7'	S 18°43.5'	1.5'	55.3'
4	185°38.5'	236°52.4'	S 18°40.4'	259°48.1'	10.7'	S 18°42.0'	1.6'	55.3'
5	200°41.0'	251°52.3'	S 18°39.8'	274°17.8'	10.7'	S 18°40.5'	1.7'	55.4'
6	215°43.4'	266°52.2'	S 18°39.1'	288°47.5'	10.7'	S 18°38.8'	1.8'	55.4'
7	230°45.9'	281°52.0'	S 18°38.5'	303°17.2'	10.6'	S 18°37.1'	1.9'	55.4'
8	245°48.4'	296°51.9'	S 18°37.9'	317°46.8'	10.6'	S 18°35.2'	1.9'	55.4'
9	260°50.8'	311°51.8'	S 18°37.2'	332°16.4'	10.6'	S 18°33.3'	2.0'	55.4'
10	275°53.3'	326°51.6'	S 18°36.6'	346°46.0'	10.6'	S 18°31.2'	2.1'	55.5'
11	290°55.8'	341°51.5'	S 18°35.9'	1°15.6'	10.6'	S 18°29.1'	2.2'	55.5'
12	305°58.2'	356°51.4'	S 18°35.3'	15°45.2'	10.6'	S 18°26.8'	2.3'	55.5'
13	321°00.7'	11°51.2'	S 18°34.7'	30°14.8'	10.6'	S 18°24.5'	2.4'	55.5'
14	336°03.2'	26°51.1'	S 18°34.0'	44°44.4'	10.6'	S 18°22.1'	2.5'	55.6'
15	351°05.6'	41°51.0'	S 18°33.4'	59°13.9'	10.5'	S 18°19.5'	2.6'	55.6'
16	6°08.1'	56°50.8'	S 18°32.8'	73°43.5'	10.5'	S 18°16.9'	2.7'	55.6'
17	21°10.5'	71°50.7'	S 18°32.1'	88°13.0'	10.5'	S 18°14.2'	2.8'	55.6'
18	36°13.0'	86°50.6'	S 18°31.5'	102°42.5'	10.5'	S 18°11.4'	2.9'	55.6'
19	51°15.5'	101°50.5'	S 18°30.8'	117°12.1'	10.5'	S 18°08.5'	3.0'	55.7'
20	66°17.9'	116°50.3'	S 18°30.2'	131°41.6'	10.5'	S 18°05.5'	3.1'	55.7'
21	81°20.4'	131°50.2'	S 18°29.5'	146°11.1'	10.5'	S 18°02.4'	3.2'	55.7'
22	96°22.9'	146°50.1'	S 18°28.9'	160°40.6'	10.5'	S 17°59.2'	3.3'	55.7'
23	111°25.3'	161°49.9'	S 18°28.3'	175°10.0'	10.5'	S 17°55.9'	3.4'	55.7'

Fri Jan 27, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 16.2'		SD = 15.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	126°27.8'	176°49.8'	S 18°27.6'	189°39.5'	10.5'	S 17°52.5'	3.5'	55.8'
1	141°30.3'	191°49.7'	S 18°27.0'	204°09.0'	10.5'	S 17°49.0'	3.6'	55.8'
2	156°32.7'	206°49.6'	S 18°26.3'	218°38.5'	10.5'	S 17°45.5'	3.7'	55.8'
3	171°35.2'	221°49.4'	S 18°25.7'	233°07.9'	10.5'	S 17°41.8'	3.8'	55.8'
4	186°37.7'	236°49.3'	S 18°25.0'	247°37.4'	10.5'	S 17°38.0'	3.9'	55.9'
5	201°40.1'	251°49.2'	S 18°24.4'	262°06.9'	10.5'	S 17°34.2'	4.0'	55.9'
6	216°42.6'	266°49.1'	S 18°23.7'	276°36.3'	10.5'	S 17°30.2'	4.0'	55.9'
7	231°45.0'	281°48.9'	S 18°23.1'	291°05.8'	10.4'	S 17°26.2'	4.1'	55.9'
8	246°47.5'	296°48.8'	S 18°22.4'	305°35.2'	10.4'	S 17°22.0'	4.2'	55.9'
9	261°50.0'	311°48.7'	S 18°21.8'	320°04.7'	10.4'	S 17°17.8'	4.3'	56.0'
10	276°52.4'	326°48.6'	S 18°21.1'	334°34.1'	10.4'	S 17°13.5'	4.4'	56.0'
11	291°54.9'	341°48.4'	S 18°20.5'	349°03.5'	10.4'	S 17°09.1'	4.5'	56.0'
12	306°57.4'	356°48.3'	S 18°19.8'	3°33.0'	10.4'	S 17°04.5'	4.6'	56.0'
13	321°59.8'	11°48.2'	S 18°19.2'	18°02.4'	10.4'	S 16°59.9'	4.7'	56.1'
14	337°02.3'	26°48.1'	S 18°18.5'	32°31.9'	10.4'	S 16°55.2'	4.8'	56.1'
15	352°04.8'	41°47.9'	S 18°17.9'	47°01.3'	10.4'	S 16°50.5'	4.9'	56.1'
16	7°07.2'	56°47.8'	S 18°17.2'	61°30.8'	10.5'	S 16°45.6'	5.0'	56.1'
17	22°09.7'	71°47.7'	S 18°16.6'	76°00.2'	10.5'	S 16°40.6'	5.1'	56.1'
18	37°12.1'	86°47.6'	S 18°15.9'	90°29.7'	10.5'	S 16°35.5'	5.2'	56.2'
19	52°14.6'	101°47.4'	S 18°15.3'	104°59.1'	10.5'	S 16°30.4'	5.2'	56.2'
20	67°17.1'	116°47.3'	S 18°14.6'	119°28.6'	10.5'	S 16°25.1'	5.3'	56.2'
21	82°19.5'	131°47.2'	S 18°14.0'	133°58.1'	10.5'	S 16°19.8'	5.4'	56.2'
22	97°22.0'	146°47.1'	S 18°13.3'	148°27.5'	10.5'	S 16°14.4'	5.5'	56.3'
23	112°24.5'	161°47.0'	S 18°12.6'	162°57.0'	10.5'	S 16°08.9'	5.6'	56.3'

Sat Jan 28, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 16.2'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	127°26.9'	176°46.8'	S 18°12.0'	177°26.5'	10.5'	S 16°03.3'	5.7'	56.3'
1	142°29.4'	191°46.7'	S 18°11.3'	191°56.0'	10.5'	S 15°57.6'	5.8'	56.3'
2	157°31.9'	206°46.6'	S 18°10.7'	206°25.5'	10.5'	S 15°51.8'	5.9'	56.3'
3	172°34.3'	221°46.5'	S 18°10.0'	220°55.0'	10.5'	S 15°45.9'	6.0'	56.4'
4	187°36.8'	236°46.4'	S 18°09.3'	235°24.5'	10.5'	S 15°40.0'	6.0'	56.4'
5	202°39.3'	251°46.3'	S 18°08.7'	249°54.0'	10.5'	S 15°34.0'	6.1'	56.4'
6	217°41.7'	266°46.1'	S 18°08.0'	264°23.5'	10.5'	S 15°27.8'	6.2'	56.4'
7	232°44.2'	281°46.0'	S 18°07.4'	278°53.0'	10.5'	S 15°21.6'	6.3'	56.5'
8	247°46.6'	296°45.9'	S 18°06.7'	293°22.5'	10.5'	S 15°15.3'	6.4'	56.5'
9	262°49.1'	311°45.8'	S 18°06.0'	307°52.1'	10.5'	S 15°08.9'	6.5'	56.5'
10	277°51.6'	326°45.7'	S 18°05.4'	322°21.6'	10.6'	S 15°02.5'	6.5'	56.5'
11	292°54.0'	341°45.5'	S 18°04.7'	336°51.1'	10.6'	S 14°55.9'	6.6'	56.5'
12	307°56.5'	356°45.4'	S 18°04.0'	351°20.7'	10.6'	S 14°49.3'	6.7'	56.6'
13	322°59.0'	11°45.3'	S 18°03.4'	5°50.3'	10.6'	S 14°42.6'	6.8'	56.6'
14	338°01.4'	26°45.2'	S 18°02.7'	20°19.9'	10.6'	S 14°35.8'	6.9'	56.6'
15	353°03.9'	41°45.1'	S 18°02.0'	34°49.4'	10.6'	S 14°28.9'	7.0'	56.6'
16	8°06.4'	56°45.0'	S 18°01.4'	49°19.0'	10.6'	S 14°21.9'	7.0'	56.6'
17	23°08.8'	71°44.9'	S 18°00.7'	63°48.6'	10.6'	S 14°14.9'	7.1'	56.7'
18	38°11.3'	86°44.7'	S 18°00.0'	78°18.3'	10.6'	S 14°07.8'	7.2'	56.7'
19	53°13.8'	101°44.6'	S 17°59.4'	92°47.9'	10.6'	S 14°00.6'	7.3'	56.7'
20	68°16.2'	116°44.5'	S 17°58.7'	107°17.5'	10.6'	S 13°53.3'	7.4'	56.7'
21	83°18.7'	131°44.4'	S 17°58.0'	121°47.2'	10.7'	S 13°46.0'	7.4'	56.8'
22	98°21.1'	146°44.3'	S 17°57.4'	136°16.8'	10.7'	S 13°38.5'	7.5'	56.8'
23	113°23.6'	161°44.2'	S 17°56.7'	150°46.5'	10.7'	S 13°31.0'	7.6'	56.8'

Sun Jan 29, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 16.2'		SD = 15.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	128°26.1'	176°44.1'	S 17°56.0'	165°16.2'	10.7'	S 13°23.4'	7.7'	56.8'
1	143°28.5'	191°44.0'	S 17°55.3'	179°45.9'	10.7'	S 13°15.8'	7.7'	56.8'
2	158°31.0'	206°43.9'	S 17°54.7'	194°15.6'	10.7'	S 13°08.0'	7.8'	56.9'
3	173°33.5'	221°43.7'	S 17°54.0'	208°45.3'	10.7'	S 13°00.2'	7.9'	56.9'
4	188°35.9'	236°43.6'	S 17°53.3'	223°15.0'	10.7'	S 12°52.3'	8.0'	56.9'
5	203°38.4'	251°43.5'	S 17°52.6'	237°44.7'	10.7'	S 12°44.4'	8.0'	56.9'
6	218°40.9'	266°43.4'	S 17°52.0'	252°14.5'	10.8'	S 12°36.3'	8.1'	57.0'
7	233°43.3'	281°43.3'	S 17°51.3'	266°44.2'	10.8'	S 12°28.2'	8.2'	57.0'
8	248°45.8'	296°43.2'	S 17°50.6'	281°14.0'	10.8'	S 12°20.0'	8.2'	57.0'
9	263°48.3'	311°43.1'	S 17°49.9'	295°43.8'	10.8'	S 12°11.8'	8.3'	57.0'
10	278°50.7'	326°43.0'	S 17°49.3'	310°13.5'	10.8'	S 12°03.5'	8.4'	57.0'
11	293°53.2'	341°42.9'	S 17°48.6'	324°43.3'	10.8'	S 11°55.1'	8.5'	57.1'
12	308°55.6'	356°42.8'	S 17°47.9'	339°13.2'	10.8'	S 11°46.7'	8.5'	57.1'
13	323°58.1'	11°42.7'	S 17°47.2'	353°43.0'	10.8'	S 11°38.1'	8.6'	57.1'
14	339°00.6'	26°42.6'	S 17°46.5'	8°12.8'	10.8'	S 11°29.5'	8.7'	57.1'
15	354°03.0'	41°42.4'	S 17°45.9'	22°42.7'	10.9'	S 11°20.9'	8.7'	57.1'
16	9°05.5'	56°42.3'	S 17°45.2'	37°12.5'	10.9'	S 11°12.2'	8.8'	57.2'
17	24°08.0'	71°42.2'	S 17°44.5'	51°42.4'	10.9'	S 11°03.4'	8.8'	57.2'
18	39°10.4'	86°42.1'	S 17°43.8'	66°12.3'	10.9'	S 10°54.5'	8.9'	57.2'
19	54°12.9'	101°42.0'	S 17°43.1'	80°42.1'	10.9'	S 10°45.6'	9.0'	57.2'
20	69°15.4'	116°41.9'	S 17°42.5'	95°12.0'	10.9'	S 10°36.7'	9.0'	57.2'
21	84°17.8'	131°41.8'	S 17°41.8'	109°42.0'	10.9'	S 10°27.6'	9.1'	57.3'
22	99°20.3'	146°41.7'	S 17°41.1'	124°11.9'	10.9'	S 10°18.5'	9.2'	57.3'
23	114°22.7'	161°41.6'	S 17°40.4'	138°41.8'	10.9'	S 10°09.4'	9.2'	57.3'

Mon Jan 30, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 16.2'		SD = 15.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	129°25.2'	176°41.5'	S 17°39.7'	153°11.7'	10.9'	S 10°00.2'	9.3'	57.3'
1	144°27.7'	191°41.4'	S 17°39.0'	167°41.7'	11.0'	S 9°50.9'	9.3'	57.3'
2	159°30.1'	206°41.3'	S 17°38.4'	182°11.6'	11.0'	S 9°41.6'	9.4'	57.4'
3	174°32.6'	221°41.2'	S 17°37.7'	196°41.6'	11.0'	S 9°32.2'	9.4'	57.4'
4	189°35.1'	236°41.1'	S 17°37.0'	211°11.6'	11.0'	S 9°22.7'	9.5'	57.4'
5	204°37.5'	251°41.0'	S 17°36.3'	225°41.6'	11.0'	S 9°13.2'	9.6'	57.4'
6	219°40.0'	266°40.9'	S 17°35.6'	240°11.6'	11.0'	S 9°03.7'	9.6'	57.4'
7	234°42.5'	281°40.8'	S 17°34.9'	254°41.6'	11.0'	S 8°54.1'	9.7'	57.5'
8	249°44.9'	296°40.7'	S 17°34.2'	269°11.6'	11.0'	S 8°44.4'	9.7'	57.5'
9	264°47.4'	311°40.6'	S 17°33.5'	283°41.6'	11.0'	S 8°34.7'	9.8'	57.5'
10	279°49.9'	326°40.5'	S 17°32.8'	298°11.7'	11.0'	S 8°24.9'	9.8'	57.5'
11	294°52.3'	341°40.4'	S 17°32.2'	312°41.7'	11.0'	S 8°15.1'	9.9'	57.5'
12	309°54.8'	356°40.3'	S 17°31.5'	327°11.7'	11.1'	S 8°05.3'	9.9'	57.6'
13	324°57.2'	11°40.2'	S 17°30.8'	341°41.8'	11.1'	S 7°55.4'	10.0'	57.6'
14	339°59.7'	26°40.1'	S 17°30.1'	356°11.8'	11.1'	S 7°45.4'	10.0'	57.6'
15	355°02.2'	41°40.0'	S 17°29.4'	10°41.9'	11.1'	S 7°35.4'	10.0'	57.6'
16	10°04.6'	56°39.9'	S 17°28.7'	25°12.0'	11.1'	S 7°25.4'	10.1'	57.6'
17	25°07.1'	71°39.8'	S 17°28.0'	39°42.1'	11.1'	S 7°15.3'	10.1'	57.7'
18	40°09.6'	86°39.7'	S 17°27.3'	54°12.1'	11.1'	S 7°05.1'	10.2'	57.7'
19	55°12.0'	101°39.6'	S 17°26.6'	68°42.2'	11.1'	S 6°55.0'	10.2'	57.7'
20	70°14.5'	116°39.5'	S 17°25.9'	83°12.3'	11.1'	S 6°44.7'	10.3'	57.7'
21	85°17.0'	131°39.4'	S 17°25.2'	97°42.4'	11.1'	S 6°34.5'	10.3'	57.7'
22	100°19.4'	146°39.3'	S 17°24.5'	112°12.5'	11.1'	S 6°24.2'	10.3'	57.7'
23	115°21.9'	161°39.2'	S 17°23.8'	126°42.6'	11.1'	S 6°13.8'	10.4'	57.8'

Tue Jan 31, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 16.2'		SD = 15.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	130°24.3'	176°39.2'	S 17°23.1'	141°12.7'	11.1'	S 6°03.4'	10.4'	57.8'
1	145°26.8'	191°39.1'	S 17°22.4'	155°42.8'	11.1'	S 5°53.0'	10.5'	57.8'
2	160°29.3'	206°39.0'	S 17°21.7'	170°13.0'	11.1'	S 5°42.6'	10.5'	57.8'
3	175°31.7'	221°38.9'	S 17°21.0'	184°43.1'	11.1'	S 5°32.1'	10.5'	57.8'
4	190°34.2'	236°38.8'	S 17°20.3'	199°13.2'	11.1'	S 5°21.6'	10.6'	57.9'
5	205°36.7'	251°38.7'	S 17°19.6'	213°43.3'	11.1'	S 5°11.0'	10.6'	57.9'
6	220°39.1'	266°38.6'	S 17°18.9'	228°13.4'	11.1'	S 5°00.4'	10.6'	57.9'
7	235°41.6'	281°38.5'	S 17°18.2'	242°43.5'	11.1'	S 4°49.8'	10.7'	57.9'
8	250°44.1'	296°38.4'	S 17°17.5'	257°13.7'	11.1'	S 4°39.1'	10.7'	57.9'
9	265°46.5'	311°38.3'	S 17°16.8'	271°43.8'	11.1'	S 4°28.4'	10.7'	57.9'
10	280°49.0'	326°38.2'	S 17°16.1'	286°13.9'	11.1'	S 4°17.7'	10.7'	58.0'
11	295°51.5'	341°38.1'	S 17°15.4'	300°44.0'	11.1'	S 4°07.0'	10.8'	58.0'
12	310°53.9'	356°38.1'	S 17°14.7'	315°14.1'	11.1'	S 3°56.2'	10.8'	58.0'
13	325°56.4'	11°38.0'	S 17°14.0'	329°44.2'	11.1'	S 3°45.4'	10.8'	58.0'
14	340°58.8'	26°37.9'	S 17°13.3'	344°14.3'	11.1'	S 3°34.6'	10.8'	58.0'
15	356°01.3'	41°37.8'	S 17°12.6'	358°44.4'	11.1'	S 3°23.7'	10.9'	58.0'
16	11°03.8'	56°37.7'	S 17°11.9'	13°14.5'	11.1'	S 3°12.9'	10.9'	58.1'
17	26°06.2'	71°37.6'	S 17°11.2'	27°44.6'	11.1'	S 3°02.0'	10.9'	58.1'
18	41°08.7'	86°37.5'	S 17°10.5'	42°14.7'	11.1'	S 2°51.1'	10.9'	58.1'
19	56°11.2'	101°37.4'	S 17°09.8'	56°44.8'	11.1'	S 2°40.1'	11.0'	58.1'
20	71°13.6'	116°37.4'	S 17°09.1'	71°14.9'	11.1'	S 2°29.2'	11.0'	58.1'
21	86°16.1'	131°37.3'	S 17°08.3'	85°44.9'	11.1'	S 2°18.2'	11.0'	58.1'
22	101°18.6'	146°37.2'	S 17°07.6'	100°15.0'	11.1'	S 2°07.2'	11.0'	58.2'
23	116°21.0'	161°37.1'	S 17°06.9'	114°45.1'	11.0'	S 1°56.2'	11.0'	58.2'