

Mon May 1, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.8' SD = 15.9'		GHA	v	dec	d	HP
		GHA	dec					
0	219°06.8'	180°43.1'	N 15°04.0'	114°55.1'	5.6'	N 19°04.0'	1.4'	59.6'
1	234°09.3'	195°43.2'	N 15°04.8'	129°19.7'	5.6'	N 19°02.6'	1.5'	59.6'
2	249°11.7'	210°43.2'	N 15°05.6'	143°44.4'	5.7'	N 19°01.0'	1.7'	59.5'
3	264°14.2'	225°43.3'	N 15°06.3'	158°09.1'	5.8'	N 18°59.4'	1.8'	59.5'
4	279°16.6'	240°43.4'	N 15°07.1'	172°33.8'	5.8'	N 18°57.6'	1.9'	59.5'
5	294°19.1'	255°43.5'	N 15°07.8'	186°58.6'	5.9'	N 18°55.6'	2.0'	59.4'
6	309°21.6'	270°43.5'	N 15°08.6'	201°23.5'	5.9'	N 18°53.6'	2.2'	59.4'
7	324°24.0'	285°43.6'	N 15°09.3'	215°48.4'	6.0'	N 18°51.4'	2.3'	59.4'
8	339°26.5'	300°43.7'	N 15°10.1'	230°13.4'	6.0'	N 18°49.1'	2.4'	59.3'
9	354°29.0'	315°43.8'	N 15°10.8'	244°38.4'	6.1'	N 18°46.7'	2.5'	59.3'
10	9°31.4'	330°43.8'	N 15°11.6'	259°03.5'	6.2'	N 18°44.2'	2.7'	59.3'
11	24°33.9'	345°43.9'	N 15°12.3'	273°28.7'	6.2'	N 18°41.5'	2.8'	59.3'
12	39°36.4'	0°44.0'	N 15°13.1'	287°53.9'	6.3'	N 18°38.7'	2.9'	59.2'
13	54°38.8'	15°44.0'	N 15°13.8'	302°19.2'	6.3'	N 18°35.8'	3.0'	59.2'
14	69°41.3'	30°44.1'	N 15°14.6'	316°44.5'	6.4'	N 18°32.8'	3.1'	59.2'
15	84°43.7'	45°44.2'	N 15°15.3'	331°10.0'	6.5'	N 18°29.7'	3.2'	59.1'
16	99°46.2'	60°44.3'	N 15°16.1'	345°35.4'	6.5'	N 18°26.4'	3.4'	59.1'
17	114°48.7'	75°44.3'	N 15°16.8'	0°01.0'	6.6'	N 18°23.1'	3.5'	59.1'
18	129°51.1'	90°44.4'	N 15°17.6'	14°26.6'	6.7'	N 18°19.6'	3.6'	59.0'
19	144°53.6'	105°44.5'	N 15°18.3'	28°52.3'	6.7'	N 18°16.0'	3.7'	59.0'
20	159°56.1'	120°44.5'	N 15°19.1'	43°18.0'	6.8'	N 18°12.3'	3.8'	59.0'
21	174°58.5'	135°44.6'	N 15°19.8'	57°43.8'	6.9'	N 18°08.5'	3.9'	58.9'
22	190°01.0'	150°44.7'	N 15°20.6'	72°09.7'	6.9'	N 18°04.6'	4.0'	58.9'
23	205°03.5'	165°44.8'	N 15°21.3'	86°35.6'	7.0'	N 18°00.5'	4.1'	58.9'

Tue May 2, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.9'		GHA	v	dec	d	HP
		GHA	dec					
0	220°05.9'	180°44.8'	N 15°22.1'	101°01.6'	7.1'	N 17°56.4'	4.3'	58.8'
1	235°08.4'	195°44.9'	N 15°22.8'	115°27.7'	7.2'	N 17°52.1'	4.4'	58.8'
2	250°10.9'	210°45.0'	N 15°23.6'	129°53.9'	7.2'	N 17°47.8'	4.5'	58.8'
3	265°13.3'	225°45.0'	N 15°24.3'	144°20.1'	7.3'	N 17°43.3'	4.6'	58.7'
4	280°15.8'	240°45.1'	N 15°25.1'	158°46.4'	7.4'	N 17°38.7'	4.7'	58.7'
5	295°18.2'	255°45.2'	N 15°25.8'	173°12.8'	7.4'	N 17°34.1'	4.8'	58.7'
6	310°20.7'	270°45.2'	N 15°26.5'	187°39.2'	7.5'	N 17°29.3'	4.9'	58.6'
7	325°23.2'	285°45.3'	N 15°27.3'	202°05.8'	7.6'	N 17°24.4'	5.0'	58.6'
8	340°25.6'	300°45.4'	N 15°28.0'	216°32.4'	7.7'	N 17°19.4'	5.1'	58.6'
9	355°28.1'	315°45.4'	N 15°28.8'	230°59.0'	7.7'	N 17°14.3'	5.2'	58.5'
10	10°30.6'	330°45.5'	N 15°29.5'	245°25.8'	7.8'	N 17°09.2'	5.3'	58.5'
11	25°33.0'	345°45.6'	N 15°30.3'	259°52.6'	7.9'	N 17°03.9'	5.4'	58.5'
12	40°35.5'	0°45.6'	N 15°31.0'	274°19.5'	8.0'	N 16°58.5'	5.5'	58.4'
13	55°38.0'	15°45.7'	N 15°31.7'	288°46.4'	8.0'	N 16°53.0'	5.6'	58.4'
14	70°40.4'	30°45.8'	N 15°32.5'	303°13.5'	8.1'	N 16°47.5'	5.7'	58.4'
15	85°42.9'	45°45.9'	N 15°33.2'	317°40.6'	8.2'	N 16°41.8'	5.8'	58.3'
16	100°45.4'	60°45.9'	N 15°34.0'	332°07.8'	8.3'	N 16°36.0'	5.8'	58.3'
17	115°47.8'	75°46.0'	N 15°34.7'	346°35.0'	8.3'	N 16°30.2'	5.9'	58.3'
18	130°50.3'	90°46.0'	N 15°35.4'	1°02.4'	8.4'	N 16°24.2'	6.0'	58.2'
19	145°52.7'	105°46.1'	N 15°36.2'	15°29.8'	8.5'	N 16°18.2'	6.1'	58.2'
20	160°55.2'	120°46.2'	N 15°36.9'	29°57.3'	8.6'	N 16°12.1'	6.2'	58.2'
21	175°57.7'	135°46.2'	N 15°37.6'	44°24.9'	8.6'	N 16°05.9'	6.3'	58.1'
22	191°00.1'	150°46.3'	N 15°38.4'	58°52.5'	8.7'	N 15°59.6'	6.4'	58.1'
23	206°02.6'	165°46.4'	N 15°39.1'	73°20.2'	8.8'	N 15°53.2'	6.5'	58.1'

Wed May 3, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.9'		SD = 15.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	221°05.1'	180°46.4'	N 15°39.9'	87°48.0'	8.9'	N 15°46.7'	6.5'	58.0'
1	236°07.5'	195°46.5'	N 15°40.6'	102°15.9'	9.0'	N 15°40.2'	6.6'	58.0'
2	251°10.0'	210°46.6'	N 15°41.3'	116°43.9'	9.0'	N 15°33.6'	6.7'	58.0'
3	266°12.5'	225°46.6'	N 15°42.1'	131°11.9'	9.1'	N 15°26.8'	6.8'	57.9'
4	281°14.9'	240°46.7'	N 15°42.8'	145°40.0'	9.2'	N 15°20.0'	6.9'	57.9'
5	296°17.4'	255°46.8'	N 15°43.5'	160°08.2'	9.3'	N 15°13.2'	7.0'	57.9'
6	311°19.9'	270°46.8'	N 15°44.3'	174°36.4'	9.3'	N 15°06.2'	7.0'	57.8'
7	326°22.3'	285°46.9'	N 15°45.0'	189°04.8'	9.4'	N 14°59.2'	7.1'	57.8'
8	341°24.8'	300°46.9'	N 15°45.7'	203°33.2'	9.5'	N 14°52.1'	7.2'	57.8'
9	356°27.2'	315°47.0'	N 15°46.5'	218°01.7'	9.6'	N 14°44.9'	7.3'	57.8'
10	11°29.7'	330°47.1'	N 15°47.2'	232°30.2'	9.6'	N 14°37.6'	7.3'	57.7'
11	26°32.2'	345°47.1'	N 15°47.9'	246°58.8'	9.7'	N 14°30.3'	7.4'	57.7'
12	41°34.6'	0°47.2'	N 15°48.6'	261°27.6'	9.8'	N 14°22.9'	7.5'	57.7'
13	56°37.1'	15°47.3'	N 15°49.4'	275°56.3'	9.9'	N 14°15.4'	7.5'	57.6'
14	71°39.6'	30°47.3'	N 15°50.1'	290°25.2'	9.9'	N 14°07.9'	7.6'	57.6'
15	86°42.0'	45°47.4'	N 15°50.8'	304°54.1'	10.0'	N 14°00.3'	7.7'	57.6'
16	101°44.5'	60°47.4'	N 15°51.6'	319°23.1'	10.1'	N 13°52.6'	7.8'	57.5'
17	116°47.0'	75°47.5'	N 15°52.3'	333°52.2'	10.1'	N 13°44.8'	7.8'	57.5'
18	131°49.4'	90°47.6'	N 15°53.0'	348°21.3'	10.2'	N 13°37.0'	7.9'	57.5'
19	146°51.9'	105°47.6'	N 15°53.7'	2°50.6'	10.3'	N 13°29.1'	7.9'	57.4'
20	161°54.3'	120°47.7'	N 15°54.5'	17°19.8'	10.4'	N 13°21.2'	8.0'	57.4'
21	176°56.8'	135°47.7'	N 15°55.2'	31°49.2'	10.4'	N 13°13.2'	8.1'	57.4'
22	191°59.3'	150°47.8'	N 15°55.9'	46°18.6'	10.5'	N 13°05.1'	8.1'	57.3'
23	207°01.7'	165°47.9'	N 15°56.7'	60°48.1'	10.6'	N 12°57.0'	8.2'	57.3'

Thu May 4, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.9'		SD = 15.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	222°04.2'	180°47.9'	N 15°57.4'	75°17.7'	10.6'	N 12°48.8'	8.3'	57.3'
1	237°06.7'	195°48.0'	N 15°58.1'	89°47.4'	10.7'	N 12°40.5'	8.3'	57.3'
2	252°09.1'	210°48.0'	N 15°58.8'	104°17.1'	10.8'	N 12°32.2'	8.4'	57.2'
3	267°11.6'	225°48.1'	N 15°59.5'	118°46.9'	10.9'	N 12°23.8'	8.4'	57.2'
4	282°14.1'	240°48.2'	N 16°00.3'	133°16.7'	10.9'	N 12°15.4'	8.5'	57.2'
5	297°16.5'	255°48.2'	N 16°01.0'	147°46.6'	11.0'	N 12°06.9'	8.5'	57.1'
6	312°19.0'	270°48.3'	N 16°01.7'	162°16.6'	11.1'	N 11°58.4'	8.6'	57.1'
7	327°21.5'	285°48.3'	N 16°02.4'	176°46.7'	11.1'	N 11°49.8'	8.6'	57.1'
8	342°23.9'	300°48.4'	N 16°03.2'	191°16.8'	11.2'	N 11°41.1'	8.7'	57.0'
9	357°26.4'	315°48.4'	N 16°03.9'	205°47.0'	11.3'	N 11°32.4'	8.7'	57.0'
10	12°28.8'	330°48.5'	N 16°04.6'	220°17.3'	11.3'	N 11°23.7'	8.8'	57.0'
11	27°31.3'	345°48.6'	N 16°05.3'	234°47.6'	11.4'	N 11°14.9'	8.8'	57.0'
12	42°33.8'	0°48.6'	N 16°06.0'	249°18.0'	11.4'	N 11°06.1'	8.9'	56.9'
13	57°36.2'	15°48.7'	N 16°06.8'	263°48.4'	11.5'	N 10°57.2'	8.9'	56.9'
14	72°38.7'	30°48.7'	N 16°07.5'	278°18.9'	11.6'	N 10°48.2'	9.0'	56.9'
15	87°41.2'	45°48.8'	N 16°08.2'	292°49.5'	11.6'	N 10°39.3'	9.0'	56.8'
16	102°43.6'	60°48.8'	N 16°08.9'	307°20.1'	11.7'	N 10°30.2'	9.1'	56.8'
17	117°46.1'	75°48.9'	N 16°09.6'	321°50.8'	11.8'	N 10°21.1'	9.1'	56.8'
18	132°48.6'	90°48.9'	N 16°10.3'	336°21.6'	11.8'	N 10°12.0'	9.2'	56.7'
19	147°51.0'	105°49.0'	N 16°11.1'	350°52.4'	11.9'	N 10°02.9'	9.2'	56.7'
20	162°53.5'	120°49.1'	N 16°11.8'	5°23.3'	11.9'	N 9°53.7'	9.2'	56.7'
21	177°56.0'	135°49.1'	N 16°12.5'	19°54.2'	12.0'	N 9°44.4'	9.3'	56.7'
22	192°58.4'	150°49.2'	N 16°13.2'	34°25.2'	12.1'	N 9°35.2'	9.3'	56.6'
23	208°00.9'	165°49.2'	N 16°13.9'	48°56.3'	12.1'	N 9°25.8'	9.4'	56.6'

Fri May 5, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.9'		SD = 15.4'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	223°03.3'	180°49.3'	N 16°14.6'	63°27.4'	12.2'	N 9°16.5'	9.4'	56.6'
1	238°05.8'	195°49.3'	N 16°15.3'	77°58.6'	12.2'	N 9°07.1'	9.4'	56.6'
2	253°08.3'	210°49.4'	N 16°16.1'	92°29.8'	12.3'	N 8°57.7'	9.5'	56.5'
3	268°10.7'	225°49.4'	N 16°16.8'	107°01.1'	12.3'	N 8°48.2'	9.5'	56.5'
4	283°13.2'	240°49.5'	N 16°17.5'	121°32.4'	12.4'	N 8°38.7'	9.5'	56.5'
5	298°15.7'	255°49.5'	N 16°18.2'	136°03.8'	12.4'	N 8°29.2'	9.6'	56.4'
6	313°18.1'	270°49.6'	N 16°18.9'	150°35.3'	12.5'	N 8°19.6'	9.6'	56.4'
7	328°20.6'	285°49.6'	N 16°19.6'	165°06.8'	12.6'	N 8°10.0'	9.6'	56.4'
8	343°23.1'	300°49.7'	N 16°20.3'	179°38.3'	12.6'	N 8°00.4'	9.7'	56.4'
9	358°25.5'	315°49.7'	N 16°21.0'	194°09.9'	12.7'	N 7°50.7'	9.7'	56.3'
10	13°28.0'	330°49.8'	N 16°21.7'	208°41.6'	12.7'	N 7°41.0'	9.7'	56.3'
11	28°30.4'	345°49.8'	N 16°22.4'	223°13.3'	12.8'	N 7°31.3'	9.7'	56.3'
12	43°32.9'	0°49.9'	N 16°23.2'	237°45.1'	12.8'	N 7°21.6'	9.8'	56.3'
13	58°35.4'	15°49.9'	N 16°23.9'	252°16.9'	12.9'	N 7°11.8'	9.8'	56.2'
14	73°37.8'	30°50.0'	N 16°24.6'	266°48.7'	12.9'	N 7°02.0'	9.8'	56.2'
15	88°40.3'	45°50.0'	N 16°25.3'	281°20.6'	12.9'	N 6°52.2'	9.8'	56.2'
16	103°42.8'	60°50.1'	N 16°26.0'	295°52.6'	13.0'	N 6°42.3'	9.9'	56.2'
17	118°45.2'	75°50.1'	N 16°26.7'	310°24.5'	13.0'	N 6°32.5'	9.9'	56.1'
18	133°47.7'	90°50.2'	N 16°27.4'	324°56.6'	13.1'	N 6°22.6'	9.9'	56.1'
19	148°50.2'	105°50.2'	N 16°28.1'	339°28.7'	13.1'	N 6°12.7'	9.9'	56.1'
20	163°52.6'	120°50.3'	N 16°28.8'	354°00.8'	13.2'	N 6°02.7'	10.0'	56.1'
21	178°55.1'	135°50.3'	N 16°29.5'	8°33.0'	13.2'	N 5°52.8'	10.0'	56.0'
22	193°57.6'	150°50.4'	N 16°30.2'	23°05.2'	13.3'	N 5°42.8'	10.0'	56.0'
23	209°00.0'	165°50.4'	N 16°30.9'	37°37.4'	13.3'	N 5°32.8'	10.0'	56.0'

Sat May 6, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.9'		SD = 15.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	224°02.5'	180°50.5'	N 16°31.6'	52°09.7'	13.3'	N 5°22.8'	10.0'	56.0'
1	239°04.9'	195°50.5'	N 16°32.3'	66°42.1'	13.4'	N 5°12.8'	10.0'	55.9'
2	254°07.4'	210°50.6'	N 16°33.0'	81°14.4'	13.4'	N 5°02.7'	10.1'	55.9'
3	269°09.9'	225°50.6'	N 16°33.7'	95°46.8'	13.5'	N 4°52.7'	10.1'	55.9'
4	284°12.3'	240°50.7'	N 16°34.4'	110°19.3'	13.5'	N 4°42.6'	10.1'	55.9'
5	299°14.8'	255°50.7'	N 16°35.1'	124°51.8'	13.5'	N 4°32.5'	10.1'	55.8'
6	314°17.3'	270°50.8'	N 16°35.8'	139°24.3'	13.6'	N 4°22.4'	10.1'	55.8'
7	329°19.7'	285°50.8'	N 16°36.5'	153°56.9'	13.6'	N 4°12.3'	10.1'	55.8'
8	344°22.2'	300°50.9'	N 16°37.2'	168°29.5'	13.6'	N 4°02.2'	10.1'	55.8'
9	359°24.7'	315°50.9'	N 16°37.9'	183°02.1'	13.7'	N 3°52.1'	10.1'	55.7'
10	14°27.1'	330°50.9'	N 16°38.6'	197°34.8'	13.7'	N 3°41.9'	10.2'	55.7'
11	29°29.6'	345°51.0'	N 16°39.3'	212°07.5'	13.7'	N 3°31.8'	10.2'	55.7'
12	44°32.0'	0°51.0'	N 16°40.0'	226°40.2'	13.8'	N 3°21.6'	10.2'	55.7'
13	59°34.5'	15°51.1'	N 16°40.7'	241°13.0'	13.8'	N 3°11.4'	10.2'	55.7'
14	74°37.0'	30°51.1'	N 16°41.4'	255°45.8'	13.8'	N 3°01.3'	10.2'	55.6'
15	89°39.4'	45°51.2'	N 16°42.1'	270°18.6'	13.9'	N 2°51.1'	10.2'	55.6'
16	104°41.9'	60°51.2'	N 16°42.8'	284°51.5'	13.9'	N 2°40.9'	10.2'	55.6'
17	119°44.4'	75°51.3'	N 16°43.5'	299°24.3'	13.9'	N 2°30.7'	10.2'	55.6'
18	134°46.8'	90°51.3'	N 16°44.2'	313°57.3'	13.9'	N 2°20.5'	10.2'	55.6'
19	149°49.3'	105°51.3'	N 16°44.9'	328°30.2'	14.0'	N 2°10.3'	10.2'	55.5'
20	164°51.8'	120°51.4'	N 16°45.6'	343°03.2'	14.0'	N 2°00.1'	10.2'	55.5'
21	179°54.2'	135°51.4'	N 16°46.2'	357°36.2'	14.0'	N 1°49.9'	10.2'	55.5'
22	194°56.7'	150°51.5'	N 16°46.9'	12°09.2'	14.0'	N 1°39.7'	10.2'	55.5'
23	209°59.2'	165°51.5'	N 16°47.6'	26°42.2'	14.1'	N 1°29.5'	10.2'	55.4'

Sun May 7, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.8'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	225°01.6'	180°51.6'	N 16°48.3'	41°15.3'	14.1'	N 1°19.2'	10.2'	55.4'
1	240°04.1'	195°51.6'	N 16°49.0'	55°48.4'	14.1'	N 1°09.0'	10.2'	55.4'
2	255°06.5'	210°51.6'	N 16°49.7'	70°21.5'	14.1'	N 0°58.8'	10.2'	55.4'
3	270°09.0'	225°51.7'	N 16°50.4'	84°54.7'	14.2'	N 0°48.6'	10.2'	55.4'
4	285°11.5'	240°51.7'	N 16°51.1'	99°27.8'	14.2'	N 0°38.4'	10.2'	55.3'
5	300°13.9'	255°51.8'	N 16°51.8'	114°01.0'	14.2'	N 0°28.2'	10.2'	55.3'
6	315°16.4'	270°51.8'	N 16°52.4'	128°34.2'	14.2'	N 0°18.0'	10.2'	55.3'
7	330°18.9'	285°51.8'	N 16°53.1'	143°07.4'	14.2'	N 0°07.8'	10.2'	55.3'
8	345°21.3'	300°51.9'	N 16°53.8'	157°40.7'	14.3'	S 0°02.3'	10.2'	55.3'
9	0°23.8'	315°51.9'	N 16°54.5'	172°13.9'	14.3'	S 0°12.5'	10.2'	55.2'
10	15°26.3'	330°52.0'	N 16°55.2'	186°47.2'	14.3'	S 0°22.7'	10.2'	55.2'
11	30°28.7'	345°52.0'	N 16°55.9'	201°20.5'	14.3'	S 0°32.9'	10.2'	55.2'
12	45°31.2'	0°52.0'	N 16°56.6'	215°53.8'	14.3'	S 0°43.0'	10.1'	55.2'
13	60°33.7'	15°52.1'	N 16°57.2'	230°27.1'	14.3'	S 0°53.2'	10.1'	55.2'
14	75°36.1'	30°52.1'	N 16°57.9'	245°00.5'	14.4'	S 1°03.3'	10.1'	55.2'
15	90°38.6'	45°52.2'	N 16°58.6'	259°33.8'	14.4'	S 1°13.4'	10.1'	55.1'
16	105°41.0'	60°52.2'	N 16°59.3'	274°07.2'	14.4'	S 1°23.5'	10.1'	55.1'
17	120°43.5'	75°52.2'	N 16°60.0'	288°40.6'	14.4'	S 1°33.7'	10.1'	55.1'
18	135°46.0'	90°52.3'	N 17°00.7'	303°13.9'	14.4'	S 1°43.7'	10.1'	55.1'
19	150°48.4'	105°52.3'	N 17°01.3'	317°47.3'	14.4'	S 1°53.8'	10.1'	55.1'
20	165°50.9'	120°52.3'	N 17°02.0'	332°20.8'	14.4'	S 2°03.9'	10.1'	55.0'
21	180°53.4'	135°52.4'	N 17°02.7'	346°54.2'	14.4'	S 2°13.9'	10.0'	55.0'
22	195°55.8'	150°52.4'	N 17°03.4'	1°27.6'	14.4'	S 2°24.0'	10.0'	55.0'
23	210°58.3'	165°52.5'	N 17°04.1'	16°01.1'	14.5'	S 2°34.0'	10.0'	55.0'

Mon May 8, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.8'		SD = 15.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	226°00.8'	180°52.5'	N 17°04.7'	30°34.5'	14.5'	S 2°44.0'	10.0'	55.0'
1	241°03.2'	195°52.5'	N 17°05.4'	45°08.0'	14.5'	S 2°54.0'	10.0'	55.0'
2	256°05.7'	210°52.6'	N 17°06.1'	59°41.4'	14.5'	S 3°04.0'	10.0'	54.9'
3	271°08.1'	225°52.6'	N 17°06.8'	74°14.9'	14.5'	S 3°13.9'	9.9'	54.9'
4	286°10.6'	240°52.6'	N 17°07.4'	88°48.4'	14.5'	S 3°23.9'	9.9'	54.9'
5	301°13.1'	255°52.7'	N 17°08.1'	103°21.9'	14.5'	S 3°33.8'	9.9'	54.9'
6	316°15.5'	270°52.7'	N 17°08.8'	117°55.4'	14.5'	S 3°43.7'	9.9'	54.9'
7	331°18.0'	285°52.7'	N 17°09.5'	132°28.9'	14.5'	S 3°53.5'	9.9'	54.9'
8	346°20.5'	300°52.8'	N 17°10.2'	147°02.4'	14.5'	S 4°03.4'	9.8'	54.8'
9	1°22.9'	315°52.8'	N 17°10.8'	161°35.9'	14.5'	S 4°13.2'	9.8'	54.8'
10	16°25.4'	330°52.8'	N 17°11.5'	176°09.4'	14.5'	S 4°23.0'	9.8'	54.8'
11	31°27.9'	345°52.9'	N 17°12.2'	190°42.9'	14.5'	S 4°32.8'	9.8'	54.8'
12	46°30.3'	0°52.9'	N 17°12.8'	205°16.4'	14.5'	S 4°42.6'	9.7'	54.8'
13	61°32.8'	15°52.9'	N 17°13.5'	219°49.9'	14.5'	S 4°52.3'	9.7'	54.8'
14	76°35.3'	30°53.0'	N 17°14.2'	234°23.4'	14.5'	S 5°02.0'	9.7'	54.8'
15	91°37.7'	45°53.0'	N 17°14.9'	248°56.9'	14.5'	S 5°11.7'	9.7'	54.7'
16	106°40.2'	60°53.0'	N 17°15.5'	263°30.4'	14.5'	S 5°21.4'	9.6'	54.7'
17	121°42.6'	75°53.1'	N 17°16.2'	278°03.9'	14.5'	S 5°31.0'	9.6'	54.7'
18	136°45.1'	90°53.1'	N 17°16.9'	292°37.4'	14.5'	S 5°40.6'	9.6'	54.7'
19	151°47.6'	105°53.1'	N 17°17.5'	307°10.9'	14.5'	S 5°50.2'	9.6'	54.7'
20	166°50.0'	120°53.2'	N 17°18.2'	321°44.4'	14.5'	S 5°59.8'	9.5'	54.7'
21	181°52.5'	135°53.2'	N 17°18.9'	336°17.9'	14.5'	S 6°09.3'	9.5'	54.7'
22	196°55.0'	150°53.2'	N 17°19.5'	350°51.4'	14.5'	S 6°18.8'	9.5'	54.6'
23	211°57.4'	165°53.3'	N 17°20.2'	5°24.9'	14.5'	S 6°28.2'	9.4'	54.6'

Tue May 9, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.7' SD = 15.8'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	226°59.9'	180°53.3'	N 17°20.9'	19°58.4'	14.5'	S 6°37.7'	9.4'	54.6'
1	242°02.4'	195°53.3'	N 17°21.5'	34°31.8'	14.5'	S 6°47.1'	9.4'	54.6'
2	257°04.8'	210°53.3'	N 17°22.2'	49°05.3'	14.5'	S 6°56.4'	9.3'	54.6'
3	272°07.3'	225°53.4'	N 17°22.9'	63°38.8'	14.5'	S 7°05.8'	9.3'	54.6'
4	287°09.7'	240°53.4'	N 17°23.5'	78°12.2'	14.4'	S 7°15.1'	9.3'	54.6'
5	302°12.2'	255°53.4'	N 17°24.2'	92°45.7'	14.4'	S 7°24.3'	9.2'	54.5'
6	317°14.7'	270°53.5'	N 17°24.9'	107°19.1'	14.4'	S 7°33.6'	9.2'	54.5'
7	332°17.1'	285°53.5'	N 17°25.5'	121°52.5'	14.4'	S 7°42.7'	9.2'	54.5'
8	347°19.6'	300°53.5'	N 17°26.2'	136°26.0'	14.4'	S 7°51.9'	9.1'	54.5'
9	2°22.1'	315°53.5'	N 17°26.9'	150°59.4'	14.4'	S 8°01.0'	9.1'	54.5'
10	17°24.5'	330°53.6'	N 17°27.5'	165°32.8'	14.4'	S 8°10.1'	9.0'	54.5'
11	32°27.0'	345°53.6'	N 17°28.2'	180°06.2'	14.4'	S 8°19.2'	9.0'	54.5'
12	47°29.5'	0°53.6'	N 17°28.8'	194°39.6'	14.4'	S 8°28.2'	9.0'	54.5'
13	62°31.9'	15°53.7'	N 17°29.5'	209°12.9'	14.4'	S 8°37.1'	8.9'	54.5'
14	77°34.4'	30°53.7'	N 17°30.2'	223°46.3'	14.3'	S 8°46.1'	8.9'	54.4'
15	92°36.9'	45°53.7'	N 17°30.8'	238°19.6'	14.3'	S 8°55.0'	8.8'	54.4'
16	107°39.3'	60°53.7'	N 17°31.5'	252°53.0'	14.3'	S 9°03.8'	8.8'	54.4'
17	122°41.8'	75°53.8'	N 17°32.1'	267°26.3'	14.3'	S 9°12.6'	8.8'	54.4'
18	137°44.2'	90°53.8'	N 17°32.8'	281°59.6'	14.3'	S 9°21.4'	8.7'	54.4'
19	152°46.7'	105°53.8'	N 17°33.4'	296°32.9'	14.3'	S 9°30.1'	8.7'	54.4'
20	167°49.2'	120°53.8'	N 17°34.1'	311°06.2'	14.3'	S 9°38.8'	8.6'	54.4'
21	182°51.6'	135°53.9'	N 17°34.8'	325°39.5'	14.3'	S 9°47.4'	8.6'	54.4'
22	197°54.1'	150°53.9'	N 17°35.4'	340°12.7'	14.2'	S 9°56.0'	8.5'	54.4'
23	212°56.6'	165°53.9'	N 17°36.1'	354°46.0'	14.2'	S 10°04.5'	8.5'	54.3'

Wed May 10, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	227°59.0'	180°53.9'	N 17°36.7'	9°19.2'	14.2'	S 10°13.0'	8.5'	54.3'
1	243°01.5'	195°54.0'	N 17°37.4'	23°52.4'	14.2'	S 10°21.5'	8.4'	54.3'
2	258°04.0'	210°54.0'	N 17°38.0'	38°25.6'	14.2'	S 10°29.9'	8.4'	54.3'
3	273°06.4'	225°54.0'	N 17°38.7'	52°58.8'	14.2'	S 10°38.3'	8.3'	54.3'
4	288°08.9'	240°54.0'	N 17°39.3'	67°31.9'	14.1'	S 10°46.6'	8.3'	54.3'
5	303°11.4'	255°54.1'	N 17°40.0'	82°05.1'	14.1'	S 10°54.9'	8.2'	54.3'
6	318°13.8'	270°54.1'	N 17°40.6'	96°38.2'	14.1'	S 11°03.1'	8.2'	54.3'
7	333°16.3'	285°54.1'	N 17°41.3'	111°11.3'	14.1'	S 11°11.2'	8.1'	54.3'
8	348°18.7'	300°54.1'	N 17°41.9'	125°44.4'	14.1'	S 11°19.4'	8.1'	54.3'
9	3°21.2'	315°54.1'	N 17°42.6'	140°17.5'	14.1'	S 11°27.4'	8.0'	54.2'
10	18°23.7'	330°54.2'	N 17°43.2'	154°50.5'	14.0'	S 11°35.4'	8.0'	54.2'
11	33°26.1'	345°54.2'	N 17°43.9'	169°23.6'	14.0'	S 11°43.4'	7.9'	54.2'
12	48°28.6'	0°54.2'	N 17°44.5'	183°56.6'	14.0'	S 11°51.3'	7.9'	54.2'
13	63°31.1'	15°54.2'	N 17°45.2'	198°29.6'	14.0'	S 11°59.2'	7.8'	54.2'
14	78°33.5'	30°54.3'	N 17°45.8'	213°02.6'	14.0'	S 12°07.0'	7.8'	54.2'
15	93°36.0'	45°54.3'	N 17°46.5'	227°35.5'	13.9'	S 12°14.7'	7.7'	54.2'
16	108°38.5'	60°54.3'	N 17°47.1'	242°08.5'	13.9'	S 12°22.4'	7.6'	54.2'
17	123°40.9'	75°54.3'	N 17°47.8'	256°41.4'	13.9'	S 12°30.1'	7.6'	54.2'
18	138°43.4'	90°54.3'	N 17°48.4'	271°14.3'	13.9'	S 12°37.7'	7.5'	54.2'
19	153°45.8'	105°54.4'	N 17°49.1'	285°47.1'	13.9'	S 12°45.2'	7.5'	54.2'
20	168°48.3'	120°54.4'	N 17°49.7'	300°20.0'	13.8'	S 12°52.7'	7.4'	54.2'
21	183°50.8'	135°54.4'	N 17°50.3'	314°52.8'	13.8'	S 13°00.1'	7.4'	54.1'
22	198°53.2'	150°54.4'	N 17°51.0'	329°25.7'	13.8'	S 13°07.4'	7.3'	54.1'
23	213°55.7'	165°54.4'	N 17°51.6'	343°58.4'	13.8'	S 13°14.7'	7.2'	54.1'

Thu May 11, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	228°58.2'	180°54.4'	N 17°52.3'	358°31.2'	13.7'	S 13°22.0'	7.2'	54.1'
1	244°00.6'	195°54.5'	N 17°52.9'	13°04.0'	13.7'	S 13°29.2'	7.1'	54.1'
2	259°03.1'	210°54.5'	N 17°53.6'	27°36.7'	13.7'	S 13°36.3'	7.1'	54.1'
3	274°05.6'	225°54.5'	N 17°54.2'	42°09.4'	13.7'	S 13°43.4'	7.0'	54.1'
4	289°08.0'	240°54.5'	N 17°54.8'	56°42.1'	13.7'	S 13°50.4'	6.9'	54.1'
5	304°10.5'	255°54.5'	N 17°55.5'	71°14.7'	13.6'	S 13°57.3'	6.9'	54.1'
6	319°13.0'	270°54.6'	N 17°56.1'	85°47.4'	13.6'	S 14°04.2'	6.8'	54.1'
7	334°15.4'	285°54.6'	N 17°56.8'	100°20.0'	13.6'	S 14°11.0'	6.8'	54.1'
8	349°17.9'	300°54.6'	N 17°57.4'	114°52.6'	13.6'	S 14°17.8'	6.7'	54.1'
9	4°20.3'	315°54.6'	N 17°58.0'	129°25.1'	13.5'	S 14°24.5'	6.6'	54.1'
10	19°22.8'	330°54.6'	N 17°58.7'	143°57.7'	13.5'	S 14°31.1'	6.6'	54.1'
11	34°25.3'	345°54.6'	N 17°59.3'	158°30.2'	13.5'	S 14°37.6'	6.5'	54.1'
12	49°27.7'	0°54.7'	N 17°59.9'	173°02.7'	13.5'	S 14°44.1'	6.4'	54.1'
13	64°30.2'	15°54.7'	N 18°00.6'	187°35.2'	13.5'	S 14°50.6'	6.4'	54.1'
14	79°32.7'	30°54.7'	N 18°01.2'	202°07.6'	13.4'	S 14°56.9'	6.3'	54.0'
15	94°35.1'	45°54.7'	N 18°01.8'	216°40.1'	13.4'	S 15°03.3'	6.2'	54.0'
16	109°37.6'	60°54.7'	N 18°02.5'	231°12.5'	13.4'	S 15°09.5'	6.2'	54.0'
17	124°40.1'	75°54.7'	N 18°03.1'	245°44.9'	13.4'	S 15°15.7'	6.1'	54.0'
18	139°42.5'	90°54.7'	N 18°03.7'	260°17.2'	13.3'	S 15°21.8'	6.0'	54.0'
19	154°45.0'	105°54.8'	N 18°04.4'	274°49.6'	13.3'	S 15°27.8'	6.0'	54.0'
20	169°47.5'	120°54.8'	N 18°05.0'	289°21.9'	13.3'	S 15°33.8'	5.9'	54.0'
21	184°49.9'	135°54.8'	N 18°05.6'	303°54.2'	13.3'	S 15°39.6'	5.8'	54.0'
22	199°52.4'	150°54.8'	N 18°06.3'	318°26.4'	13.2'	S 15°45.5'	5.8'	54.0'
23	214°54.8'	165°54.8'	N 18°06.9'	332°58.7'	13.2'	S 15°51.2'	5.7'	54.0'

Fri May 12, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	229°57.3'	180°54.8'	N 18°07.5'	347°30.9'	13.2'	S 15°56.9'	5.6'	54.0'
1	244°59.8'	195°54.8'	N 18°08.2'	2°03.1'	13.2'	S 16°02.5'	5.5'	54.0'
2	260°02.2'	210°54.8'	N 18°08.8'	16°35.2'	13.1'	S 16°08.1'	5.5'	54.0'
3	275°04.7'	225°54.9'	N 18°09.4'	31°07.4'	13.1'	S 16°13.5'	5.4'	54.0'
4	290°07.2'	240°54.9'	N 18°10.0'	45°39.5'	13.1'	S 16°18.9'	5.3'	54.0'
5	305°09.6'	255°54.9'	N 18°10.7'	60°11.6'	13.1'	S 16°24.3'	5.3'	54.0'
6	320°12.1'	270°54.9'	N 18°11.3'	74°43.7'	13.1'	S 16°29.5'	5.2'	54.0'
7	335°14.6'	285°54.9'	N 18°11.9'	89°15.7'	13.0'	S 16°34.7'	5.1'	54.0'
8	350°17.0'	300°54.9'	N 18°12.5'	103°47.8'	13.0'	S 16°39.8'	5.0'	54.0'
9	5°19.5'	315°54.9'	N 18°13.2'	118°19.8'	13.0'	S 16°44.8'	5.0'	54.0'
10	20°21.9'	330°54.9'	N 18°13.8'	132°51.7'	13.0'	S 16°49.8'	4.9'	54.0'
11	35°24.4'	345°54.9'	N 18°14.4'	147°23.7'	12.9'	S 16°54.7'	4.8'	54.0'
12	50°26.9'	0°54.9'	N 18°15.0'	161°55.6'	12.9'	S 16°59.5'	4.7'	54.0'
13	65°29.3'	15°55.0'	N 18°15.7'	176°27.6'	12.9'	S 17°04.2'	4.7'	54.0'
14	80°31.8'	30°55.0'	N 18°16.3'	190°59.5'	12.9'	S 17°08.9'	4.6'	54.0'
15	95°34.3'	45°55.0'	N 18°16.9'	205°31.3'	12.8'	S 17°13.5'	4.5'	54.0'
16	110°36.7'	60°55.0'	N 18°17.5'	220°03.2'	12.8'	S 17°18.0'	4.4'	54.0'
17	125°39.2'	75°55.0'	N 18°18.1'	234°35.0'	12.8'	S 17°22.4'	4.3'	54.0'
18	140°41.7'	90°55.0'	N 18°18.8'	249°06.8'	12.8'	S 17°26.7'	4.3'	54.0'
19	155°44.1'	105°55.0'	N 18°19.4'	263°38.6'	12.8'	S 17°31.0'	4.2'	54.0'
20	170°46.6'	120°55.0'	N 18°20.0'	278°10.3'	12.7'	S 17°35.2'	4.1'	54.0'
21	185°49.1'	135°55.0'	N 18°20.6'	292°42.1'	12.7'	S 17°39.3'	4.0'	54.0'
22	200°51.5'	150°55.0'	N 18°21.2'	307°13.8'	12.7'	S 17°43.3'	4.0'	54.0'
23	215°54.0'	165°55.0'	N 18°21.9'	321°45.5'	12.7'	S 17°47.3'	3.9'	54.0'

Sat May 13, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	230°56.4'	180°55.0'	N 18°22.5'	336°17.1'	12.7'	S 17°51.2'	3.8'	54.0'
1	245°58.9'	195°55.0'	N 18°23.1'	350°48.8'	12.6'	S 17°54.9'	3.7'	54.0'
2	261°01.4'	210°55.1'	N 18°23.7'	5°20.4'	12.6'	S 17°58.7'	3.6'	54.0'
3	276°03.8'	225°55.1'	N 18°24.3'	19°52.0'	12.6'	S 18°02.3'	3.5'	54.0'
4	291°06.3'	240°55.1'	N 18°24.9'	34°23.6'	12.6'	S 18°05.8'	3.5'	54.0'
5	306°08.8'	255°55.1'	N 18°25.6'	48°55.2'	12.5'	S 18°09.3'	3.4'	54.0'
6	321°11.2'	270°55.1'	N 18°26.2'	63°26.7'	12.5'	S 18°12.7'	3.3'	54.0'
7	336°13.7'	285°55.1'	N 18°26.8'	77°58.3'	12.5'	S 18°16.0'	3.2'	54.0'
8	351°16.2'	300°55.1'	N 18°27.4'	92°29.8'	12.5'	S 18°19.2'	3.1'	54.0'
9	6°18.6'	315°55.1'	N 18°28.0'	107°01.3'	12.5'	S 18°22.4'	3.1'	54.0'
10	21°21.1'	330°55.1'	N 18°28.6'	121°32.7'	12.5'	S 18°25.4'	3.0'	54.0'
11	36°23.6'	345°55.1'	N 18°29.2'	136°04.2'	12.4'	S 18°28.4'	2.9'	54.0'
12	51°26.0'	0°55.1'	N 18°29.8'	150°35.6'	12.4'	S 18°31.3'	2.8'	54.0'
13	66°28.5'	15°55.1'	N 18°30.4'	165°07.1'	12.4'	S 18°34.1'	2.7'	54.0'
14	81°30.9'	30°55.1'	N 18°31.1'	179°38.4'	12.4'	S 18°36.8'	2.6'	54.0'
15	96°33.4'	45°55.1'	N 18°31.7'	194°09.8'	12.4'	S 18°39.4'	2.6'	54.0'
16	111°35.9'	60°55.1'	N 18°32.3'	208°41.2'	12.3'	S 18°42.0'	2.5'	54.0'
17	126°38.3'	75°55.1'	N 18°32.9'	223°12.5'	12.3'	S 18°44.4'	2.4'	54.0'
18	141°40.8'	90°55.1'	N 18°33.5'	237°43.9'	12.3'	S 18°46.8'	2.3'	54.0'
19	156°43.3'	105°55.1'	N 18°34.1'	252°15.2'	12.3'	S 18°49.1'	2.2'	54.0'
20	171°45.7'	120°55.1'	N 18°34.7'	266°46.5'	12.3'	S 18°51.3'	2.1'	54.0'
21	186°48.2'	135°55.1'	N 18°35.3'	281°17.8'	12.3'	S 18°53.4'	2.0'	54.0'
22	201°50.7'	150°55.1'	N 18°35.9'	295°49.0'	12.2'	S 18°55.5'	2.0'	54.0'
23	216°53.1'	165°55.1'	N 18°36.5'	310°20.3'	12.2'	S 18°57.4'	1.9'	54.1'

Sun May 14, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	231°55.6'	180°55.1'	N 18°37.1'	324°51.5'	12.2'	S 18°59.3'	1.8'	54.1'
1	246°58.1'	195°55.1'	N 18°37.7'	339°22.7'	12.2'	S 19°01.1'	1.7'	54.1'
2	262°00.5'	210°55.1'	N 18°38.3'	353°53.9'	12.2'	S 19°02.8'	1.6'	54.1'
3	277°03.0'	225°55.1'	N 18°38.9'	8°25.1'	12.2'	S 19°04.4'	1.5'	54.1'
4	292°05.4'	240°55.1'	N 18°39.5'	22°56.3'	12.2'	S 19°05.9'	1.4'	54.1'
5	307°07.9'	255°55.1'	N 18°40.1'	37°27.4'	12.1'	S 19°07.3'	1.3'	54.1'
6	322°10.4'	270°55.1'	N 18°40.7'	51°58.6'	12.1'	S 19°08.7'	1.3'	54.1'
7	337°12.8'	285°55.1'	N 18°41.3'	66°29.7'	12.1'	S 19°09.9'	1.2'	54.1'
8	352°15.3'	300°55.1'	N 18°41.9'	81°00.8'	12.1'	S 19°11.1'	1.1'	54.1'
9	7°17.8'	315°55.1'	N 18°42.5'	95°31.9'	12.1'	S 19°12.2'	1.0'	54.1'
10	22°20.2'	330°55.1'	N 18°43.1'	110°03.0'	12.1'	S 19°13.1'	0.9'	54.1'
11	37°22.7'	345°55.1'	N 18°43.7'	124°34.1'	12.1'	S 19°14.0'	0.8'	54.1'
12	52°25.2'	0°55.1'	N 18°44.3'	139°05.2'	12.1'	S 19°14.9'	0.7'	54.1'
13	67°27.6'	15°55.1'	N 18°44.9'	153°36.3'	12.1'	S 19°15.6'	0.6'	54.1'
14	82°30.1'	30°55.1'	N 18°45.5'	168°07.3'	12.0'	S 19°16.2'	0.5'	54.2'
15	97°32.5'	45°55.1'	N 18°46.1'	182°38.4'	12.0'	S 19°16.8'	0.5'	54.2'
16	112°35.0'	60°55.1'	N 18°46.7'	197°09.4'	12.0'	S 19°17.2'	0.4'	54.2'
17	127°37.5'	75°55.1'	N 18°47.3'	211°40.4'	12.0'	S 19°17.6'	0.3'	54.2'
18	142°39.9'	90°55.1'	N 18°47.9'	226°11.4'	12.0'	S 19°17.9'	0.2'	54.2'
19	157°42.4'	105°55.1'	N 18°48.5'	240°42.4'	12.0'	S 19°18.0'	0.1'	54.2'
20	172°44.9'	120°55.1'	N 18°49.1'	255°13.4'	12.0'	S 19°18.1'	0.0'	54.2'
21	187°47.3'	135°55.1'	N 18°49.7'	269°44.4'	12.0'	S 19°18.1'	0.1'	54.2'
22	202°49.8'	150°55.1'	N 18°50.3'	284°15.4'	12.0'	S 19°18.1'	0.2'	54.2'
23	217°52.3'	165°55.1'	N 18°50.8'	298°46.3'	12.0'	S 19°17.9'	0.3'	54.2'

Mon May 15, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	232°54.7'	180°55.1'	N 18°51.4'	313°17.3'	12.0'	S 19°17.6'	0.4'	54.2'
1	247°57.2'	195°55.1'	N 18°52.0'	327°48.2'	11.9'	S 19°17.3'	0.4'	54.3'
2	262°59.7'	210°55.0'	N 18°52.6'	342°19.2'	11.9'	S 19°16.8'	0.5'	54.3'
3	278°02.1'	225°55.0'	N 18°53.2'	356°50.1'	11.9'	S 19°16.3'	0.6'	54.3'
4	293°04.6'	240°55.0'	N 18°53.8'	11°21.1'	11.9'	S 19°15.7'	0.7'	54.3'
5	308°07.0'	255°55.0'	N 18°54.4'	25°52.0'	11.9'	S 19°15.0'	0.8'	54.3'
6	323°09.5'	270°55.0'	N 18°55.0'	40°22.9'	11.9'	S 19°14.2'	0.9'	54.3'
7	338°12.0'	285°55.0'	N 18°55.6'	54°53.8'	11.9'	S 19°13.3'	1.0'	54.3'
8	353°14.4'	300°55.0'	N 18°56.1'	69°24.7'	11.9'	S 19°12.3'	1.1'	54.3'
9	8°16.9'	315°55.0'	N 18°56.7'	83°55.6'	11.9'	S 19°11.2'	1.2'	54.4'
10	23°19.4'	330°55.0'	N 18°57.3'	98°26.5'	11.9'	S 19°10.1'	1.3'	54.4'
11	38°21.8'	345°55.0'	N 18°57.9'	112°57.4'	11.9'	S 19°08.8'	1.3'	54.4'
12	53°24.3'	0°55.0'	N 18°58.5'	127°28.3'	11.9'	S 19°07.5'	1.4'	54.4'
13	68°26.8'	15°55.0'	N 18°59.1'	141°59.2'	11.9'	S 19°06.1'	1.5'	54.4'
14	83°29.2'	30°55.0'	N 18°59.6'	156°30.1'	11.9'	S 19°04.5'	1.6'	54.4'
15	98°31.7'	45°54.9'	N 19°00.2'	171°01.0'	11.9'	S 19°02.9'	1.7'	54.4'
16	113°34.2'	60°54.9'	N 19°00.8'	185°31.8'	11.9'	S 19°01.2'	1.8'	54.4'
17	128°36.6'	75°54.9'	N 19°01.4'	200°02.7'	11.9'	S 18°59.4'	1.9'	54.5'
18	143°39.1'	90°54.9'	N 19°02.0'	214°33.6'	11.9'	S 18°57.6'	2.0'	54.5'
19	158°41.5'	105°54.9'	N 19°02.6'	229°04.5'	11.9'	S 18°55.6'	2.1'	54.5'
20	173°44.0'	120°54.9'	N 19°03.1'	243°35.3'	11.9'	S 18°53.5'	2.1'	54.5'
21	188°46.5'	135°54.9'	N 19°03.7'	258°06.2'	11.9'	S 18°51.4'	2.2'	54.5'
22	203°48.9'	150°54.9'	N 19°04.3'	272°37.1'	11.9'	S 18°49.1'	2.3'	54.5'
23	218°51.4'	165°54.9'	N 19°04.9'	287°07.9'	11.9'	S 18°46.8'	2.4'	54.6'

Tue May 16, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 14.9'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	233°53.9'	180°54.9'	N 19°05.4'	301°38.8'	11.9'	S 18°44.4'	2.5'	54.6'
1	248°56.3'	195°54.8'	N 19°06.0'	316°09.7'	11.9'	S 18°41.9'	2.6'	54.6'
2	263°58.8'	210°54.8'	N 19°06.6'	330°40.5'	11.9'	S 18°39.3'	2.7'	54.6'
3	279°01.3'	225°54.8'	N 19°07.2'	345°11.4'	11.9'	S 18°36.6'	2.8'	54.6'
4	294°03.7'	240°54.8'	N 19°07.7'	359°42.2'	11.9'	S 18°33.8'	2.9'	54.6'
5	309°06.2'	255°54.8'	N 19°08.3'	14°13.1'	11.9'	S 18°31.0'	3.0'	54.7'
6	324°08.7'	270°54.8'	N 19°08.9'	28°44.0'	11.9'	S 18°28.0'	3.0'	54.7'
7	339°11.1'	285°54.8'	N 19°09.5'	43°14.8'	11.9'	S 18°25.0'	3.1'	54.7'
8	354°13.6'	300°54.7'	N 19°10.0'	57°45.7'	11.9'	S 18°21.8'	3.2'	54.7'
9	9°16.0'	315°54.7'	N 19°10.6'	72°16.6'	11.9'	S 18°18.6'	3.3'	54.7'
10	24°18.5'	330°54.7'	N 19°11.2'	86°47.4'	11.9'	S 18°15.3'	3.4'	54.7'
11	39°21.0'	345°54.7'	N 19°11.8'	101°18.3'	11.9'	S 18°11.9'	3.5'	54.8'
12	54°23.4'	0°54.7'	N 19°12.3'	115°49.2'	11.9'	S 18°08.4'	3.6'	54.8'
13	69°25.9'	15°54.7'	N 19°12.9'	130°20.0'	11.9'	S 18°04.9'	3.7'	54.8'
14	84°28.4'	30°54.7'	N 19°13.5'	144°50.9'	11.9'	S 18°01.2'	3.7'	54.8'
15	99°30.8'	45°54.6'	N 19°14.0'	159°21.8'	11.9'	S 17°57.5'	3.8'	54.8'
16	114°33.3'	60°54.6'	N 19°14.6'	173°52.7'	11.9'	S 17°53.6'	3.9'	54.9'
17	129°35.8'	75°54.6'	N 19°15.2'	188°23.5'	11.9'	S 17°49.7'	4.0'	54.9'
18	144°38.2'	90°54.6'	N 19°15.7'	202°54.4'	11.9'	S 17°45.7'	4.1'	54.9'
19	159°40.7'	105°54.6'	N 19°16.3'	217°25.3'	11.9'	S 17°41.6'	4.2'	54.9'
20	174°43.1'	120°54.6'	N 19°16.9'	231°56.2'	11.9'	S 17°37.4'	4.3'	54.9'
21	189°45.6'	135°54.5'	N 19°17.4'	246°27.1'	11.9'	S 17°33.2'	4.4'	55.0'
22	204°48.1'	150°54.5'	N 19°18.0'	260°58.0'	11.9'	S 17°28.8'	4.4'	55.0'
23	219°50.5'	165°54.5'	N 19°18.6'	275°28.9'	11.9'	S 17°24.4'	4.5'	55.0'

Wed May 17, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.6' SD = 15.8'		SD = 15.1'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	234°53.0'	180°54.5'	N 19°19.1'	289°59.8'	11.9'	S 17°19.8'	4.6'	55.0'
1	249°55.5'	195°54.5'	N 19°19.7'	304°30.7'	11.9'	S 17°15.2'	4.7'	55.0'
2	264°57.9'	210°54.5'	N 19°20.3'	319°01.6'	11.9'	S 17°10.5'	4.8'	55.1'
3	280°00.4'	225°54.4'	N 19°20.8'	333°32.5'	11.9'	S 17°05.7'	4.9'	55.1'
4	295°02.9'	240°54.4'	N 19°21.4'	348°03.4'	11.9'	S 17°00.9'	5.0'	55.1'
5	310°05.3'	255°54.4'	N 19°21.9'	2°34.3'	11.9'	S 16°55.9'	5.0'	55.1'
6	325°07.8'	270°54.4'	N 19°22.5'	17°05.2'	11.9'	S 16°50.9'	5.1'	55.2'
7	340°10.3'	285°54.4'	N 19°23.1'	31°36.1'	11.9'	S 16°45.8'	5.2'	55.2'
8	355°12.7'	300°54.3'	N 19°23.6'	46°07.0'	11.9'	S 16°40.6'	5.3'	55.2'
9	10°15.2'	315°54.3'	N 19°24.2'	60°38.0'	11.9'	S 16°35.3'	5.4'	55.2'
10	25°17.6'	330°54.3'	N 19°24.7'	75°08.9'	11.9'	S 16°29.9'	5.5'	55.3'
11	40°20.1'	345°54.3'	N 19°25.3'	89°39.8'	11.9'	S 16°24.5'	5.5'	55.3'
12	55°22.6'	0°54.3'	N 19°25.8'	104°10.8'	11.9'	S 16°18.9'	5.6'	55.3'
13	70°25.0'	15°54.2'	N 19°26.4'	118°41.7'	11.9'	S 16°13.3'	5.7'	55.3'
14	85°27.5'	30°54.2'	N 19°27.0'	133°12.6'	11.9'	S 16°07.6'	5.8'	55.4'
15	100°30.0'	45°54.2'	N 19°27.5'	147°43.6'	11.9'	S 16°01.8'	5.9'	55.4'
16	115°32.4'	60°54.2'	N 19°28.1'	162°14.5'	11.9'	S 15°55.9'	5.9'	55.4'
17	130°34.9'	75°54.2'	N 19°28.6'	176°45.5'	12.0'	S 15°50.0'	6.0'	55.4'
18	145°37.4'	90°54.1'	N 19°29.2'	191°16.4'	12.0'	S 15°44.0'	6.1'	55.5'
19	160°39.8'	105°54.1'	N 19°29.7'	205°47.4'	12.0'	S 15°37.9'	6.2'	55.5'
20	175°42.3'	120°54.1'	N 19°30.3'	220°18.3'	12.0'	S 15°31.7'	6.3'	55.5'
21	190°44.8'	135°54.1'	N 19°30.8'	234°49.3'	12.0'	S 15°25.4'	6.3'	55.5'
22	205°47.2'	150°54.0'	N 19°31.4'	249°20.3'	12.0'	S 15°19.1'	6.4'	55.6'
23	220°49.7'	165°54.0'	N 19°31.9'	263°51.2'	12.0'	S 15°12.6'	6.5'	55.6'

Thu May 18, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 15.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	235°52.1'	180°54.0'	N 19°32.5'	278°22.2'	12.0'	S 15°06.1'	6.6'	55.6'
1	250°54.6'	195°54.0'	N 19°33.0'	292°53.2'	12.0'	S 14°59.5'	6.7'	55.7'
2	265°57.1'	210°54.0'	N 19°33.6'	307°24.1'	12.0'	S 14°52.9'	6.7'	55.7'
3	280°59.5'	225°53.9'	N 19°34.1'	321°55.1'	12.0'	S 14°46.1'	6.8'	55.7'
4	296°02.0'	240°53.9'	N 19°34.7'	336°26.1'	12.0'	S 14°39.3'	6.9'	55.7'
5	311°04.5'	255°53.9'	N 19°35.2'	350°57.0'	12.0'	S 14°32.4'	7.0'	55.8'
6	326°06.9'	270°53.9'	N 19°35.8'	5°28.0'	12.0'	S 14°25.4'	7.1'	55.8'
7	341°09.4'	285°53.8'	N 19°36.3'	19°59.0'	12.0'	S 14°18.4'	7.1'	55.8'
8	356°11.9'	300°53.8'	N 19°36.9'	34°30.0'	12.0'	S 14°11.2'	7.2'	55.9'
9	11°14.3'	315°53.8'	N 19°37.4'	49°00.9'	12.0'	S 14°04.0'	7.3'	55.9'
10	26°16.8'	330°53.8'	N 19°38.0'	63°31.9'	12.0'	S 13°56.8'	7.4'	55.9'
11	41°19.3'	345°53.7'	N 19°38.5'	78°02.9'	12.0'	S 13°49.4'	7.4'	56.0'
12	56°21.7'	0°53.7'	N 19°39.0'	92°33.9'	12.0'	S 13°42.0'	7.5'	56.0'
13	71°24.2'	15°53.7'	N 19°39.6'	107°04.9'	12.0'	S 13°34.5'	7.6'	56.0'
14	86°26.6'	30°53.6'	N 19°40.1'	121°35.8'	12.0'	S 13°26.9'	7.7'	56.0'
15	101°29.1'	45°53.6'	N 19°40.7'	136°06.8'	12.0'	S 13°19.2'	7.7'	56.1'
16	116°31.6'	60°53.6'	N 19°41.2'	150°37.8'	12.0'	S 13°11.5'	7.8'	56.1'
17	131°34.0'	75°53.6'	N 19°41.7'	165°08.7'	12.0'	S 13°03.7'	7.9'	56.1'
18	146°36.5'	90°53.5'	N 19°42.3'	179°39.7'	12.0'	S 12°55.8'	7.9'	56.2'
19	161°39.0'	105°53.5'	N 19°42.8'	194°10.7'	12.0'	S 12°47.9'	8.0'	56.2'
20	176°41.4'	120°53.5'	N 19°43.4'	208°41.6'	12.0'	S 12°39.9'	8.1'	56.2'
21	191°43.9'	135°53.4'	N 19°43.9'	223°12.6'	12.0'	S 12°31.8'	8.2'	56.3'
22	206°46.4'	150°53.4'	N 19°44.4'	237°43.6'	12.0'	S 12°23.6'	8.2'	56.3'
23	221°48.8'	165°53.4'	N 19°45.0'	252°14.5'	11.9'	S 12°15.4'	8.3'	56.3'

Fri May 19, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 15.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	236°51.3'	180°53.4'	N 19°45.5'	266°45.5'	11.9'	S 12°07.1'	8.4'	56.4'
1	251°53.7'	195°53.3'	N 19°46.0'	281°16.4'	11.9'	S 11°58.8'	8.4'	56.4'
2	266°56.2'	210°53.3'	N 19°46.6'	295°47.3'	11.9'	S 11°50.3'	8.5'	56.4'
3	281°58.7'	225°53.3'	N 19°47.1'	310°18.3'	11.9'	S 11°41.8'	8.6'	56.5'
4	297°01.1'	240°53.2'	N 19°47.7'	324°49.2'	11.9'	S 11°33.3'	8.6'	56.5'
5	312°03.6'	255°53.2'	N 19°48.2'	339°20.1'	11.9'	S 11°24.6'	8.7'	56.5'
6	327°06.1'	270°53.2'	N 19°48.7'	353°51.0'	11.9'	S 11°15.9'	8.8'	56.6'
7	342°08.5'	285°53.1'	N 19°49.2'	8°22.0'	11.9'	S 11°07.1'	8.8'	56.6'
8	357°11.0'	300°53.1'	N 19°49.8'	22°52.9'	11.9'	S 10°58.3'	8.9'	56.6'
9	12°13.5'	315°53.1'	N 19°50.3'	37°23.8'	11.9'	S 10°49.4'	9.0'	56.7'
10	27°15.9'	330°53.1'	N 19°50.8'	51°54.6'	11.9'	S 10°40.4'	9.0'	56.7'
11	42°18.4'	345°53.0'	N 19°51.4'	66°25.5'	11.9'	S 10°31.4'	9.1'	56.8'
12	57°20.9'	0°53.0'	N 19°51.9'	80°56.4'	11.9'	S 10°22.3'	9.2'	56.8'
13	72°23.3'	15°53.0'	N 19°52.4'	95°27.2'	11.9'	S 10°13.2'	9.2'	56.8'
14	87°25.8'	30°52.9'	N 19°53.0'	109°58.1'	11.8'	S 10°04.0'	9.3'	56.9'
15	102°28.2'	45°52.9'	N 19°53.5'	124°28.9'	11.8'	S 9°54.7'	9.3'	56.9'
16	117°30.7'	60°52.9'	N 19°54.0'	138°59.8'	11.8'	S 9°45.3'	9.4'	56.9'
17	132°33.2'	75°52.8'	N 19°54.5'	153°30.6'	11.8'	S 9°35.9'	9.5'	57.0'
18	147°35.6'	90°52.8'	N 19°55.1'	168°01.4'	11.8'	S 9°26.5'	9.5'	57.0'
19	162°38.1'	105°52.8'	N 19°55.6'	182°32.2'	11.8'	S 9°16.9'	9.6'	57.0'
20	177°40.6'	120°52.7'	N 19°56.1'	197°03.0'	11.8'	S 9°07.4'	9.6'	57.1'
21	192°43.0'	135°52.7'	N 19°56.6'	211°33.7'	11.8'	S 8°57.7'	9.7'	57.1'
22	207°45.5'	150°52.6'	N 19°57.2'	226°04.5'	11.7'	S 8°48.0'	9.8'	57.2'
23	222°48.0'	165°52.6'	N 19°57.7'	240°35.2'	11.7'	S 8°38.3'	9.8'	57.2'

Sat May 20, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 15.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	237°50.4'	180°52.6'	N 19°58.2'	255°06.0'	11.7'	S 8°28.5'	9.9'	57.2'
1	252°52.9'	195°52.5'	N 19°58.7'	269°36.7'	11.7'	S 8°18.6'	9.9'	57.3'
2	267°55.4'	210°52.5'	N 19°59.2'	284°07.4'	11.7'	S 8°08.7'	10.0'	57.3'
3	282°57.8'	225°52.5'	N 19°59.8'	298°38.0'	11.7'	S 7°58.7'	10.0'	57.3'
4	298°00.3'	240°52.4'	N 20°00.3'	313°08.7'	11.6'	S 7°48.7'	10.1'	57.4'
5	313°02.7'	255°52.4'	N 20°00.8'	327°39.3'	11.6'	S 7°38.6'	10.1'	57.4'
6	328°05.2'	270°52.4'	N 20°01.3'	342°10.0'	11.6'	S 7°28.4'	10.2'	57.5'
7	343°07.7'	285°52.3'	N 20°01.8'	356°40.6'	11.6'	S 7°18.3'	10.2'	57.5'
8	358°10.1'	300°52.3'	N 20°02.4'	11°11.1'	11.6'	S 7°08.0'	10.3'	57.5'
9	13°12.6'	315°52.2'	N 20°02.9'	25°41.7'	11.5'	S 6°57.7'	10.3'	57.6'
10	28°15.1'	330°52.2'	N 20°03.4'	40°12.2'	11.5'	S 6°47.4'	10.4'	57.6'
11	43°17.5'	345°52.2'	N 20°03.9'	54°42.8'	11.5'	S 6°37.0'	10.4'	57.6'
12	58°20.0'	0°52.1'	N 20°04.4'	69°13.3'	11.5'	S 6°26.5'	10.5'	57.7'
13	73°22.5'	15°52.1'	N 20°04.9'	83°43.7'	11.5'	S 6°16.1'	10.5'	57.7'
14	88°24.9'	30°52.1'	N 20°05.4'	98°14.2'	11.4'	S 6°05.5'	10.6'	57.8'
15	103°27.4'	45°52.0'	N 20°06.0'	112°44.6'	11.4'	S 5°54.9'	10.6'	57.8'
16	118°29.8'	60°52.0'	N 20°06.5'	127°15.0'	11.4'	S 5°44.3'	10.7'	57.8'
17	133°32.3'	75°51.9'	N 20°07.0'	141°45.4'	11.4'	S 5°33.6'	10.7'	57.9'
18	148°34.8'	90°51.9'	N 20°07.5'	156°15.8'	11.3'	S 5°22.9'	10.8'	57.9'
19	163°37.2'	105°51.9'	N 20°08.0'	170°46.1'	11.3'	S 5°12.2'	10.8'	58.0'
20	178°39.7'	120°51.8'	N 20°08.5'	185°16.4'	11.3'	S 5°01.4'	10.8'	58.0'
21	193°42.2'	135°51.8'	N 20°09.0'	199°46.7'	11.2'	S 4°50.5'	10.9'	58.0'
22	208°44.6'	150°51.7'	N 20°09.5'	214°16.9'	11.2'	S 4°39.6'	10.9'	58.1'
23	223°47.1'	165°51.7'	N 20°10.0'	228°47.1'	11.2'	S 4°28.7'	11.0'	58.1'

Sun May 21, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 16.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	238°49.6'	180°51.7'	N 20°10.6'	243°17.3'	11.2'	S 4°17.8'	11.0'	58.2'
1	253°52.0'	195°51.6'	N 20°11.1'	257°47.5'	11.1'	S 4°06.7'	11.0'	58.2'
2	268°54.5'	210°51.6'	N 20°11.6'	272°17.6'	11.1'	S 3°55.7'	11.1'	58.2'
3	283°57.0'	225°51.5'	N 20°12.1'	286°47.7'	11.1'	S 3°44.6'	11.1'	58.3'
4	298°59.4'	240°51.5'	N 20°12.6'	301°17.8'	11.0'	S 3°33.5'	11.1'	58.3'
5	314°01.9'	255°51.4'	N 20°13.1'	315°47.8'	11.0'	S 3°22.4'	11.2'	58.4'
6	329°04.3'	270°51.4'	N 20°13.6'	330°17.8'	11.0'	S 3°11.2'	11.2'	58.4'
7	344°06.8'	285°51.4'	N 20°14.1'	344°47.7'	10.9'	S 2°60.0'	11.2'	58.4'
8	359°09.3'	300°51.3'	N 20°14.6'	359°17.7'	10.9'	S 2°48.7'	11.3'	58.5'
9	14°11.7'	315°51.3'	N 20°15.1'	13°47.6'	10.9'	S 2°37.4'	11.3'	58.5'
10	29°14.2'	330°51.2'	N 20°15.6'	28°17.4'	10.8'	S 2°26.1'	11.3'	58.6'
11	44°16.7'	345°51.2'	N 20°16.1'	42°47.2'	10.8'	S 2°14.8'	11.4'	58.6'
12	59°19.1'	0°51.1'	N 20°16.6'	57°17.0'	10.7'	S 2°03.4'	11.4'	58.6'
13	74°21.6'	15°51.1'	N 20°17.1'	71°46.7'	10.7'	S 1°52.0'	11.4'	58.7'
14	89°24.1'	30°51.1'	N 20°17.6'	86°16.4'	10.7'	S 1°40.6'	11.4'	58.7'
15	104°26.5'	45°51.0'	N 20°18.1'	100°46.1'	10.6'	S 1°29.2'	11.5'	58.8'
16	119°29.0'	60°51.0'	N 20°18.6'	115°15.7'	10.6'	S 1°17.7'	11.5'	58.8'
17	134°31.4'	75°50.9'	N 20°19.1'	129°45.3'	10.5'	S 1°06.2'	11.5'	58.8'
18	149°33.9'	90°50.9'	N 20°19.6'	144°14.8'	10.5'	S 0°54.7'	11.5'	58.9'
19	164°36.4'	105°50.8'	N 20°20.1'	158°44.3'	10.4'	S 0°43.1'	11.6'	58.9'
20	179°38.8'	120°50.8'	N 20°20.6'	173°13.8'	10.4'	S 0°31.6'	11.6'	59.0'
21	194°41.3'	135°50.7'	N 20°21.1'	187°43.2'	10.4'	S 0°20.0'	11.6'	59.0'
22	209°43.8'	150°50.7'	N 20°21.6'	202°12.5'	10.3'	S 0°08.4'	11.6'	59.0'
23	224°46.2'	165°50.6'	N 20°22.1'	216°41.8'	10.3'	N 0°03.2'	11.6'	59.1'

Mon May 22, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 16.2'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	239°48.7'	180°50.6'	N 20°22.6'	231°11.1'	10.2'	N 0°14.8'	11.6'	59.1'
1	254°51.2'	195°50.5'	N 20°23.1'	245°40.3'	10.2'	N 0°26.5'	11.7'	59.2'
2	269°53.6'	210°50.5'	N 20°23.5'	260°09.5'	10.1'	N 0°38.1'	11.7'	59.2'
3	284°56.1'	225°50.5'	N 20°24.0'	274°38.6'	10.1'	N 0°49.8'	11.7'	59.2'
4	299°58.6'	240°50.4'	N 20°24.5'	289°07.7'	10.0'	N 1°01.5'	11.7'	59.3'
5	315°01.0'	255°50.4'	N 20°25.0'	303°36.7'	10.0'	N 1°13.2'	11.7'	59.3'
6	330°03.5'	270°50.3'	N 20°25.5'	318°05.7'	9.9'	N 1°24.9'	11.7'	59.3'
7	345°05.9'	285°50.3'	N 20°26.0'	332°34.6'	9.9'	N 1°36.6'	11.7'	59.4'
8	0°08.4'	300°50.2'	N 20°26.5'	347°03.5'	9.8'	N 1°48.3'	11.7'	59.4'
9	15°10.9'	315°50.2'	N 20°27.0'	1°32.3'	9.8'	N 2°00.0'	11.7'	59.5'
10	30°13.3'	330°50.1'	N 20°27.5'	16°01.1'	9.7'	N 2°11.8'	11.7'	59.5'
11	45°15.8'	345°50.1'	N 20°27.9'	30°29.8'	9.7'	N 2°23.5'	11.7'	59.5'
12	60°18.3'	0°50.0'	N 20°28.4'	44°58.5'	9.6'	N 2°35.2'	11.7'	59.6'
13	75°20.7'	15°50.0'	N 20°28.9'	59°27.1'	9.5'	N 2°47.0'	11.7'	59.6'
14	90°23.2'	30°49.9'	N 20°29.4'	73°55.6'	9.5'	N 2°58.7'	11.7'	59.6'
15	105°25.7'	45°49.9'	N 20°29.9'	88°24.1'	9.4'	N 3°10.4'	11.7'	59.7'
16	120°28.1'	60°49.8'	N 20°30.4'	102°52.5'	9.4'	N 3°22.2'	11.7'	59.7'
17	135°30.6'	75°49.8'	N 20°30.9'	117°20.9'	9.3'	N 3°33.9'	11.7'	59.8'
18	150°33.1'	90°49.7'	N 20°31.3'	131°49.2'	9.3'	N 3°45.6'	11.7'	59.8'
19	165°35.5'	105°49.7'	N 20°31.8'	146°17.5'	9.2'	N 3°57.3'	11.7'	59.8'
20	180°38.0'	120°49.6'	N 20°32.3'	160°45.7'	9.1'	N 4°09.0'	11.7'	59.9'
21	195°40.4'	135°49.6'	N 20°32.8'	175°13.8'	9.1'	N 4°20.7'	11.7'	59.9'
22	210°42.9'	150°49.5'	N 20°33.3'	189°41.9'	9.0'	N 4°32.4'	11.7'	59.9'
23	225°45.4'	165°49.5'	N 20°33.7'	204°09.9'	9.0'	N 4°44.1'	11.7'	60.0'

Tue May 23, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 16.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	240°47.8'	180°49.4'	N 20°34.2'	218°37.9'	8.9'	N 4°55.7'	11.6'	60.0'
1	255°50.3'	195°49.3'	N 20°34.7'	233°05.8'	8.8'	N 5°07.4'	11.6'	0.0'
2	270°52.8'	210°49.3'	N 20°35.2'	247°33.6'	8.8'	N 5°19.0'	11.6'	0.1'
3	285°55.2'	225°49.2'	N 20°35.6'	262°01.4'	8.7'	N 5°30.6'	11.6'	0.1'
4	300°57.7'	240°49.2'	N 20°36.1'	276°29.1'	8.6'	N 5°42.2'	11.6'	0.1'
5	316°00.2'	255°49.1'	N 20°36.6'	290°56.7'	8.6'	N 5°53.8'	11.5'	0.2'
6	331°02.6'	270°49.1'	N 20°37.1'	305°24.3'	8.5'	N 6°05.3'	11.5'	0.2'
7	346°05.1'	285°49.0'	N 20°37.5'	319°51.8'	8.4'	N 6°16.9'	11.5'	0.2'
8	1°07.5'	300°49.0'	N 20°38.0'	334°19.2'	8.4'	N 6°28.3'	11.5'	0.3'
9	16°10.0'	315°48.9'	N 20°38.5'	348°46.6'	8.3'	N 6°39.8'	11.4'	0.3'
10	31°12.5'	330°48.9'	N 20°39.0'	3°13.9'	8.2'	N 6°51.3'	11.4'	0.3'
11	46°14.9'	345°48.8'	N 20°39.4'	17°41.2'	8.2'	N 7°02.7'	11.4'	0.4'
12	61°17.4'	0°48.8'	N 20°39.9'	32°08.3'	8.1'	N 7°14.1'	11.3'	0.4'
13	76°19.9'	15°48.7'	N 20°40.4'	46°35.4'	8.0'	N 7°25.4'	11.3'	0.4'
14	91°22.3'	30°48.6'	N 20°40.9'	61°02.5'	8.0'	N 7°36.7'	11.3'	0.4'
15	106°24.8'	45°48.6'	N 20°41.3'	75°29.5'	7.9'	N 7°48.0'	11.2'	0.5'
16	121°27.3'	60°48.5'	N 20°41.8'	89°56.4'	7.8'	N 7°59.2'	11.2'	0.5'
17	136°29.7'	75°48.5'	N 20°42.3'	104°23.2'	7.8'	N 8°10.4'	11.2'	0.5'
18	151°32.2'	90°48.4'	N 20°42.7'	118°49.9'	7.7'	N 8°21.6'	11.1'	0.6'
19	166°34.7'	105°48.4'	N 20°43.2'	133°16.6'	7.6'	N 8°32.7'	11.1'	0.6'
20	181°37.1'	120°48.3'	N 20°43.7'	147°43.3'	7.6'	N 8°43.8'	11.0'	0.6'
21	196°39.6'	135°48.2'	N 20°44.1'	162°09.8'	7.5'	N 8°54.8'	11.0'	0.6'
22	211°42.0'	150°48.2'	N 20°44.6'	176°36.3'	7.4'	N 9°05.8'	10.9'	0.7'
23	226°44.5'	165°48.1'	N 20°45.1'	191°02.7'	7.3'	N 9°16.8'	10.9'	0.7'

Wed May 24, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.5' SD = 15.8'		SD = 16.6'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	241°47.0'	180°48.1'	N 20°45.5'	205°29.0'	7.3'	N 9°27.7'	10.8'	0.7'
1	256°49.4'	195°48.0'	N 20°46.0'	219°55.3'	7.2'	N 9°38.5'	10.8'	0.8'
2	271°51.9'	210°48.0'	N 20°46.4'	234°21.5'	7.1'	N 9°49.3'	10.7'	0.8'
3	286°54.4'	225°47.9'	N 20°46.9'	248°47.6'	7.1'	N 10°00.0'	10.7'	0.8'
4	301°56.8'	240°47.8'	N 20°47.4'	263°13.7'	7.0'	N 10°10.7'	10.6'	0.8'
5	316°59.3'	255°47.8'	N 20°47.8'	277°39.7'	6.9'	N 10°21.3'	10.6'	0.9'
6	332°01.8'	270°47.7'	N 20°48.3'	292°05.6'	6.8'	N 10°31.8'	10.5'	0.9'
7	347°04.2'	285°47.7'	N 20°48.7'	306°31.4'	6.8'	N 10°42.3'	10.4'	0.9'
8	2°06.7'	300°47.6'	N 20°49.2'	320°57.2'	6.7'	N 10°52.8'	10.4'	0.9'
9	17°09.2'	315°47.5'	N 20°49.7'	335°22.9'	6.6'	N 11°03.1'	10.3'	0.9'
10	32°11.6'	330°47.5'	N 20°50.1'	349°48.5'	6.6'	N 11°13.4'	10.2'	1.0'
11	47°14.1'	345°47.4'	N 20°50.6'	4°14.1'	6.5'	N 11°23.7'	10.2'	1.0'
12	62°16.5'	0°47.4'	N 20°51.0'	18°39.5'	6.4'	N 11°33.8'	10.1'	1.0'
13	77°19.0'	15°47.3'	N 20°51.5'	33°05.0'	6.3'	N 11°43.9'	10.0'	1.0'
14	92°21.5'	30°47.2'	N 20°51.9'	47°30.3'	6.3'	N 11°54.0'	10.0'	1.0'
15	107°23.9'	45°47.2'	N 20°52.4'	61°55.6'	6.2'	N 12°03.9'	9.9'	1.1'
16	122°26.4'	60°47.1'	N 20°52.9'	76°20.8'	6.1'	N 12°13.8'	9.8'	1.1'
17	137°28.9'	75°47.1'	N 20°53.3'	90°45.9'	6.1'	N 12°23.6'	9.7'	1.1'
18	152°31.3'	90°47.0'	N 20°53.8'	105°10.9'	6.0'	N 12°33.3'	9.6'	1.1'
19	167°33.8'	105°46.9'	N 20°54.2'	119°35.9'	5.9'	N 12°43.0'	9.6'	1.1'
20	182°36.3'	120°46.9'	N 20°54.7'	134°00.8'	5.8'	N 12°52.5'	9.5'	1.2'
21	197°38.7'	135°46.8'	N 20°55.1'	148°25.7'	5.8'	N 13°02.0'	9.4'	1.2'
22	212°41.2'	150°46.7'	N 20°55.6'	162°50.5'	5.7'	N 13°11.4'	9.3'	1.2'
23	227°43.6'	165°46.7'	N 20°56.0'	177°15.2'	5.6'	N 13°20.7'	9.2'	1.2'

Thu May 25, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 15.8'		SD = 16.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	242°46.1'	180°46.6'	N 20°56.5'	191°39.8'	5.6'	N 13°29.9'	9.1'	1.2'
1	257°48.6'	195°46.6'	N 20°56.9'	206°04.4'	5.5'	N 13°39.0'	9.0'	1.2'
2	272°51.0'	210°46.5'	N 20°57.4'	220°28.9'	5.4'	N 13°48.0'	8.9'	1.2'
3	287°53.5'	225°46.4'	N 20°57.8'	234°53.4'	5.4'	N 13°57.0'	8.8'	1.3'
4	302°56.0'	240°46.4'	N 20°58.3'	249°17.7'	5.3'	N 14°05.8'	8.8'	1.3'
5	317°58.4'	255°46.3'	N 20°58.7'	263°42.1'	5.2'	N 14°14.6'	8.7'	1.3'
6	333°00.9'	270°46.2'	N 20°59.1'	278°06.3'	5.2'	N 14°23.2'	8.6'	1.3'
7	348°03.4'	285°46.2'	N 20°59.6'	292°30.5'	5.1'	N 14°31.8'	8.5'	1.3'
8	3°05.8'	300°46.1'	N 21°00.0'	306°54.6'	5.1'	N 14°40.3'	8.4'	1.3'
9	18°08.3'	315°46.0'	N 21°00.5'	321°18.7'	5.0'	N 14°48.6'	8.3'	1.3'
10	33°10.8'	330°46.0'	N 21°00.9'	335°42.7'	4.9'	N 14°56.9'	8.1'	1.3'
11	48°13.2'	345°45.9'	N 21°01.4'	350°06.6'	4.9'	N 15°05.0'	8.0'	1.3'
12	63°15.7'	0°45.8'	N 21°01.8'	4°30.5'	4.8'	N 15°13.0'	7.9'	1.3'
13	78°18.1'	15°45.8'	N 21°02.2'	18°54.3'	4.8'	N 15°21.0'	7.8'	1.3'
14	93°20.6'	30°45.7'	N 21°02.7'	33°18.1'	4.7'	N 15°28.8'	7.7'	1.4'
15	108°23.1'	45°45.6'	N 21°03.1'	47°41.8'	4.6'	N 15°36.5'	7.6'	1.4'
16	123°25.5'	60°45.6'	N 21°03.6'	62°05.4'	4.6'	N 15°44.1'	7.5'	1.4'
17	138°28.0'	75°45.5'	N 21°04.0'	76°29.0'	4.5'	N 15°51.6'	7.4'	1.4'
18	153°30.5'	90°45.4'	N 21°04.4'	90°52.5'	4.5'	N 15°59.0'	7.3'	1.4'
19	168°32.9'	105°45.4'	N 21°04.9'	105°16.0'	4.4'	N 16°06.2'	7.1'	1.4'
20	183°35.4'	120°45.3'	N 21°05.3'	119°39.5'	4.4'	N 16°13.4'	7.0'	1.4'
21	198°37.9'	135°45.2'	N 21°05.8'	134°02.8'	4.3'	N 16°20.4'	6.9'	1.4'
22	213°40.3'	150°45.2'	N 21°06.2'	148°26.2'	4.3'	N 16°27.3'	6.8'	1.4'
23	228°42.8'	165°45.1'	N 21°06.6'	162°49.5'	4.2'	N 16°34.1'	6.7'	1.4'

Fri May 26, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 15.8'		SD = 16.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	243°45.3'	180°45.0'	N 21°07.1'	177°12.7'	4.2'	N 16°40.8'	6.5'	1.4'
1	258°47.7'	195°45.0'	N 21°07.5'	191°35.9'	4.1'	N 16°47.3'	6.4'	1.4'
2	273°50.2'	210°44.9'	N 21°07.9'	205°59.0'	4.1'	N 16°53.7'	6.3'	1.4'
3	288°52.6'	225°44.8'	N 21°08.4'	220°22.1'	4.1'	N 17°00.0'	6.2'	1.4'
4	303°55.1'	240°44.8'	N 21°08.8'	234°45.2'	4.0'	N 17°06.2'	6.0'	1.4'
5	318°57.6'	255°44.7'	N 21°09.2'	249°08.2'	4.0'	N 17°12.2'	5.9'	1.4'
6	334°00.0'	270°44.6'	N 21°09.6'	263°31.2'	3.9'	N 17°18.1'	5.8'	1.4'
7	349°02.5'	285°44.6'	N 21°10.1'	277°54.1'	3.9'	N 17°23.9'	5.7'	1.4'
8	4°05.0'	300°44.5'	N 21°10.5'	292°17.1'	3.9'	N 17°29.6'	5.5'	1.4'
9	19°07.4'	315°44.4'	N 21°10.9'	306°39.9'	3.8'	N 17°35.1'	5.4'	1.4'
10	34°09.9'	330°44.3'	N 21°11.4'	321°02.8'	3.8'	N 17°40.5'	5.3'	1.4'
11	49°12.4'	345°44.3'	N 21°11.8'	335°25.6'	3.8'	N 17°45.8'	5.1'	1.3'
12	64°14.8'	0°44.2'	N 21°12.2'	349°48.4'	3.7'	N 17°50.9'	5.0'	1.3'
13	79°17.3'	15°44.1'	N 21°12.6'	4°11.1'	3.7'	N 17°55.9'	4.9'	1.3'
14	94°19.8'	30°44.1'	N 21°13.1'	18°33.8'	3.7'	N 18°00.7'	4.7'	1.3'
15	109°22.2'	45°44.0'	N 21°13.5'	32°56.5'	3.7'	N 18°05.4'	4.6'	1.3'
16	124°24.7'	60°43.9'	N 21°13.9'	47°19.2'	3.7'	N 18°10.0'	4.4'	1.3'
17	139°27.1'	75°43.8'	N 21°14.3'	61°41.8'	3.6'	N 18°14.5'	4.3'	1.3'
18	154°29.6'	90°43.8'	N 21°14.8'	76°04.5'	3.6'	N 18°18.8'	4.2'	1.3'
19	169°32.1'	105°43.7'	N 21°15.2'	90°27.1'	3.6'	N 18°22.9'	4.0'	1.3'
20	184°34.5'	120°43.6'	N 21°15.6'	104°49.7'	3.6'	N 18°27.0'	3.9'	1.3'
21	199°37.0'	135°43.6'	N 21°16.0'	119°12.3'	3.6'	N 18°30.9'	3.7'	1.3'
22	214°39.5'	150°43.5'	N 21°16.4'	133°34.8'	3.6'	N 18°34.6'	3.6'	1.2'
23	229°41.9'	165°43.4'	N 21°16.9'	147°57.4'	3.5'	N 18°38.2'	3.5'	1.2'

Sat May 27, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 15.8'		SD = 16.7'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	244°44.4'	180°43.3'	N 21°17.3'	162°19.9'	3.5'	N 18°41.7'	3.3'	1.2'
1	259°46.9'	195°43.3'	N 21°17.7'	176°42.5'	3.5'	N 18°45.0'	3.2'	1.2'
2	274°49.3'	210°43.2'	N 21°18.1'	191°05.0'	3.5'	N 18°48.2'	3.0'	1.2'
3	289°51.8'	225°43.1'	N 21°18.5'	205°27.5'	3.5'	N 18°51.2'	2.9'	1.2'
4	304°54.3'	240°43.0'	N 21°18.9'	219°50.0'	3.5'	N 18°54.1'	2.8'	1.2'
5	319°56.7'	255°43.0'	N 21°19.4'	234°12.5'	3.5'	N 18°56.9'	2.6'	1.1'
6	334°59.2'	270°42.9'	N 21°19.8'	248°35.1'	3.5'	N 18°59.5'	2.5'	1.1'
7	350°01.6'	285°42.8'	N 21°20.2'	262°57.6'	3.5'	N 19°01.9'	2.3'	1.1'
8	5°04.1'	300°42.7'	N 21°20.6'	277°20.1'	3.5'	N 19°04.3'	2.2'	1.1'
9	20°06.6'	315°42.7'	N 21°21.0'	291°42.7'	3.5'	N 19°06.4'	2.0'	1.1'
10	35°09.0'	330°42.6'	N 21°21.4'	306°05.2'	3.6'	N 19°08.5'	1.9'	1.1'
11	50°11.5'	345°42.5'	N 21°21.8'	320°27.7'	3.6'	N 19°10.4'	1.7'	1.0'
12	65°14.0'	0°42.4'	N 21°22.3'	334°50.3'	3.6'	N 19°12.1'	1.6'	1.0'
13	80°16.4'	15°42.4'	N 21°22.7'	349°12.9'	3.6'	N 19°13.7'	1.5'	1.0'
14	95°18.9'	30°42.3'	N 21°23.1'	3°35.5'	3.6'	N 19°15.1'	1.3'	1.0'
15	110°21.4'	45°42.2'	N 21°23.5'	17°58.1'	3.6'	N 19°16.5'	1.2'	1.0'
16	125°23.8'	60°42.1'	N 21°23.9'	32°20.7'	3.6'	N 19°17.6'	1.0'	0.9'
17	140°26.3'	75°42.1'	N 21°24.3'	46°43.4'	3.7'	N 19°18.6'	0.9'	0.9'
18	155°28.7'	90°42.0'	N 21°24.7'	61°06.0'	3.7'	N 19°19.5'	0.7'	0.9'
19	170°31.2'	105°41.9'	N 21°25.1'	75°28.7'	3.7'	N 19°20.3'	0.6'	0.9'
20	185°33.7'	120°41.8'	N 21°25.5'	89°51.5'	3.8'	N 19°20.8'	0.4'	0.9'
21	200°36.1'	135°41.7'	N 21°25.9'	104°14.2'	3.8'	N 19°21.3'	0.3'	0.8'
22	215°38.6'	150°41.7'	N 21°26.3'	118°37.0'	3.8'	N 19°21.6'	0.2'	0.8'
23	230°41.1'	165°41.6'	N 21°26.7'	132°59.8'	3.8'	N 19°21.7'	0.0'	0.8'

Sun May 28, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 15.8'		SD = 16.5'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	245°43.5'	180°41.5'	N 21°27.1'	147°22.6'	3.9'	N 19°21.8'	0.1'	0.8'
1	260°46.0'	195°41.4'	N 21°27.5'	161°45.5'	3.9'	N 19°21.6'	0.3'	0.7'
2	275°48.5'	210°41.4'	N 21°27.9'	176°08.4'	4.0'	N 19°21.4'	0.4'	0.7'
3	290°50.9'	225°41.3'	N 21°28.3'	190°31.4'	4.0'	N 19°21.0'	0.6'	0.7'
4	305°53.4'	240°41.2'	N 21°28.7'	204°54.4'	4.0'	N 19°20.4'	0.7'	0.6'
5	320°55.9'	255°41.1'	N 21°29.1'	219°17.4'	4.1'	N 19°19.7'	0.8'	0.6'
6	335°58.3'	270°41.0'	N 21°29.5'	233°40.5'	4.1'	N 19°18.9'	1.0'	0.6'
7	351°00.8'	285°41.0'	N 21°29.9'	248°03.6'	4.2'	N 19°17.9'	1.1'	0.6'
8	6°03.2'	300°40.9'	N 21°30.3'	262°26.8'	4.2'	N 19°16.8'	1.2'	0.5'
9	21°05.7'	315°40.8'	N 21°30.7'	276°50.0'	4.3'	N 19°15.6'	1.4'	0.5'
10	36°08.2'	330°40.7'	N 21°31.1'	291°13.3'	4.3'	N 19°14.2'	1.5'	0.5'
11	51°10.6'	345°40.6'	N 21°31.5'	305°36.6'	4.4'	N 19°12.7'	1.7'	0.5'
12	66°13.1'	0°40.6'	N 21°31.9'	319°60.0'	4.4'	N 19°11.0'	1.8'	0.4'
13	81°15.6'	15°40.5'	N 21°32.3'	334°23.4'	4.5'	N 19°09.2'	1.9'	0.4'
14	96°18.0'	30°40.4'	N 21°32.7'	348°46.9'	4.5'	N 19°07.3'	2.1'	0.4'
15	111°20.5'	45°40.3'	N 21°33.1'	3°10.4'	4.6'	N 19°05.2'	2.2'	0.3'
16	126°23.0'	60°40.2'	N 21°33.5'	17°34.0'	4.7'	N 19°03.0'	2.3'	0.3'
17	141°25.4'	75°40.2'	N 21°33.9'	31°57.7'	4.7'	N 19°00.7'	2.5'	0.3'
18	156°27.9'	90°40.1'	N 21°34.3'	46°21.4'	4.8'	N 18°58.2'	2.6'	0.2'
19	171°30.4'	105°40.0'	N 21°34.7'	60°45.2'	4.8'	N 18°55.6'	2.7'	0.2'
20	186°32.8'	120°39.9'	N 21°35.1'	75°09.0'	4.9'	N 18°52.9'	2.9'	0.2'
21	201°35.3'	135°39.8'	N 21°35.5'	89°32.9'	5.0'	N 18°50.1'	3.0'	0.1'
22	216°37.7'	150°39.8'	N 21°35.8'	103°56.9'	5.0'	N 18°47.1'	3.1'	0.1'
23	231°40.2'	165°39.7'	N 21°36.2'	118°21.0'	5.1'	N 18°44.0'	3.2'	0.1'

Mon May 29, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 15.8'		SD = 16.3'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	246°42.7'	180°39.6'	N 21°36.6'	132°45.1'	5.2'	N 18°40.7'	3.4'	0.0'
1	261°45.1'	195°39.5'	N 21°37.0'	147°09.3'	5.3'	N 18°37.4'	3.5'	0.0'
2	276°47.6'	210°39.4'	N 21°37.4'	161°33.5'	5.3'	N 18°33.9'	3.6'	60.0'
3	291°50.1'	225°39.3'	N 21°37.8'	175°57.8'	5.4'	N 18°30.3'	3.7'	59.9'
4	306°52.5'	240°39.3'	N 21°38.2'	190°22.2'	5.5'	N 18°26.6'	3.8'	59.9'
5	321°55.0'	255°39.2'	N 21°38.6'	204°46.7'	5.5'	N 18°22.7'	4.0'	59.9'
6	336°57.5'	270°39.1'	N 21°38.9'	219°11.2'	5.6'	N 18°18.8'	4.1'	59.8'
7	351°59.9'	285°39.0'	N 21°39.3'	233°35.9'	5.7'	N 18°14.7'	4.2'	59.8'
8	7°02.4'	300°38.9'	N 21°39.7'	248°00.6'	5.8'	N 18°10.5'	4.3'	59.8'
9	22°04.9'	315°38.8'	N 21°40.1'	262°25.3'	5.9'	N 18°06.1'	4.4'	59.7'
10	37°07.3'	330°38.8'	N 21°40.5'	276°50.2'	5.9'	N 18°01.7'	4.6'	59.7'
11	52°09.8'	345°38.7'	N 21°40.8'	291°15.1'	6.0'	N 17°57.1'	4.7'	59.7'
12	67°12.2'	0°38.6'	N 21°41.2'	305°40.1'	6.1'	N 17°52.5'	4.8'	59.6'
13	82°14.7'	15°38.5'	N 21°41.6'	320°05.2'	6.2'	N 17°47.7'	4.9'	59.6'
14	97°17.2'	30°38.4'	N 21°42.0'	334°30.4'	6.3'	N 17°42.8'	5.0'	59.6'
15	112°19.6'	45°38.3'	N 21°42.4'	348°55.7'	6.3'	N 17°37.8'	5.1'	59.5'
16	127°22.1'	60°38.2'	N 21°42.7'	3°21.0'	6.4'	N 17°32.7'	5.2'	59.5'
17	142°24.6'	75°38.2'	N 21°43.1'	17°46.4'	6.5'	N 17°27.4'	5.3'	59.4'
18	157°27.0'	90°38.1'	N 21°43.5'	32°11.9'	6.6'	N 17°22.1'	5.4'	59.4'
19	172°29.5'	105°38.0'	N 21°43.9'	46°37.5'	6.7'	N 17°16.7'	5.5'	59.4'
20	187°32.0'	120°37.9'	N 21°44.2'	61°03.2'	6.8'	N 17°11.1'	5.6'	59.3'
21	202°34.4'	135°37.8'	N 21°44.6'	75°28.9'	6.8'	N 17°05.5'	5.7'	59.3'
22	217°36.9'	150°37.7'	N 21°45.0'	89°54.8'	6.9'	N 16°59.8'	5.8'	59.3'
23	232°39.4'	165°37.6'	N 21°45.4'	104°20.7'	7.0'	N 16°53.9'	5.9'	59.2'

Tue May 30, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.4' SD = 15.8'		SD = 16.0'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	247°41.8'	180°37.6'	N 21°45.7'	118°46.7'	7.1'	N 16°48.0'	6.0'	59.2'
1	262°44.3'	195°37.5'	N 21°46.1'	133°12.8'	7.2'	N 16°41.9'	6.1'	59.1'
2	277°46.7'	210°37.4'	N 21°46.5'	147°39.0'	7.3'	N 16°35.8'	6.2'	59.1'
3	292°49.2'	225°37.3'	N 21°46.8'	162°05.3'	7.4'	N 16°29.6'	6.3'	59.1'
4	307°51.7'	240°37.2'	N 21°47.2'	176°31.7'	7.5'	N 16°23.2'	6.4'	59.0'
5	322°54.1'	255°37.1'	N 21°47.6'	190°58.1'	7.5'	N 16°16.8'	6.5'	59.0'
6	337°56.6'	270°37.0'	N 21°48.0'	205°24.7'	7.6'	N 16°10.3'	6.6'	59.0'
7	352°59.1'	285°36.9'	N 21°48.3'	219°51.3'	7.7'	N 16°03.7'	6.7'	58.9'
8	8°01.5'	300°36.8'	N 21°48.7'	234°18.0'	7.8'	N 15°57.0'	6.8'	58.9'
9	23°04.0'	315°36.8'	N 21°49.1'	248°44.8'	7.9'	N 15°50.2'	6.9'	58.8'
10	38°06.5'	330°36.7'	N 21°49.4'	263°11.7'	8.0'	N 15°43.3'	7.0'	58.8'
11	53°08.9'	345°36.6'	N 21°49.8'	277°38.7'	8.1'	N 15°36.4'	7.0'	58.8'
12	68°11.4'	0°36.5'	N 21°50.1'	292°05.8'	8.2'	N 15°29.3'	7.1'	58.7'
13	83°13.8'	15°36.4'	N 21°50.5'	306°33.0'	8.3'	N 15°22.2'	7.2'	58.7'
14	98°16.3'	30°36.3'	N 21°50.9'	321°00.2'	8.3'	N 15°15.0'	7.3'	58.7'
15	113°18.8'	45°36.2'	N 21°51.2'	335°27.5'	8.4'	N 15°07.7'	7.4'	58.6'
16	128°21.2'	60°36.1'	N 21°51.6'	349°55.0'	8.5'	N 15°00.3'	7.5'	58.6'
17	143°23.7'	75°36.0'	N 21°52.0'	4°22.5'	8.6'	N 14°52.9'	7.5'	58.5'
18	158°26.2'	90°36.0'	N 21°52.3'	18°50.1'	8.7'	N 14°45.3'	7.6'	58.5'
19	173°28.6'	105°35.9'	N 21°52.7'	33°17.8'	8.8'	N 14°37.7'	7.7'	58.5'
20	188°31.1'	120°35.8'	N 21°53.0'	47°45.6'	8.9'	N 14°30.1'	7.8'	58.4'
21	203°33.6'	135°35.7'	N 21°53.4'	62°13.4'	9.0'	N 14°22.3'	7.8'	58.4'
22	218°36.0'	150°35.6'	N 21°53.7'	76°41.4'	9.0'	N 14°14.5'	7.9'	58.3'
23	233°38.5'	165°35.5'	N 21°54.1'	91°09.4'	9.1'	N 14°06.6'	8.0'	58.3'

Wed May 31, 2017 UTC

UTC	Aries	Sun		Moon				
	GHA	d = 0.3' SD = 15.8'		SD = 15.8'				
	GHA	GHA	dec	GHA	v	dec	d	HP
0	248°41.0'	180°35.4'	N 21°54.5'	105°37.6'	9.2'	N 13°58.6'	8.0'	58.3'
1	263°43.4'	195°35.3'	N 21°54.8'	120°05.8'	9.3'	N 13°50.6'	8.1'	58.2'
2	278°45.9'	210°35.2'	N 21°55.2'	134°34.1'	9.4'	N 13°42.5'	8.2'	58.2'
3	293°48.3'	225°35.1'	N 21°55.5'	149°02.5'	9.5'	N 13°34.3'	8.2'	58.1'
4	308°50.8'	240°35.0'	N 21°55.9'	163°30.9'	9.6'	N 13°26.1'	8.3'	58.1'
5	323°53.3'	255°35.0'	N 21°56.2'	177°59.5'	9.6'	N 13°17.8'	8.4'	58.1'
6	338°55.7'	270°34.9'	N 21°56.6'	192°28.1'	9.7'	N 13°09.4'	8.4'	58.0'
7	353°58.2'	285°34.8'	N 21°56.9'	206°56.9'	9.8'	N 13°01.0'	8.5'	58.0'
8	9°00.7'	300°34.7'	N 21°57.3'	221°25.7'	9.9'	N 12°52.5'	8.5'	58.0'
9	24°03.1'	315°34.6'	N 21°57.6'	235°54.6'	10.0'	N 12°43.9'	8.6'	57.9'
10	39°05.6'	330°34.5'	N 21°58.0'	250°23.6'	10.1'	N 12°35.3'	8.7'	57.9'
11	54°08.1'	345°34.4'	N 21°58.3'	264°52.6'	10.1'	N 12°26.7'	8.7'	57.8'
12	69°10.5'	0°34.3'	N 21°58.7'	279°21.8'	10.2'	N 12°17.9'	8.8'	57.8'
13	84°13.0'	15°34.2'	N 21°59.0'	293°51.0'	10.3'	N 12°09.2'	8.8'	57.8'
14	99°15.5'	30°34.1'	N 21°59.4'	308°20.3'	10.4'	N 12°00.3'	8.9'	57.7'
15	114°17.9'	45°34.0'	N 21°59.7'	322°49.7'	10.5'	N 11°51.5'	8.9'	57.7'
16	129°20.4'	60°33.9'	N 22°00.1'	337°19.2'	10.5'	N 11°42.5'	9.0'	57.7'
17	144°22.8'	75°33.8'	N 22°00.4'	351°48.7'	10.6'	N 11°33.5'	9.0'	57.6'
18	159°25.3'	90°33.7'	N 22°00.8'	6°18.3'	10.7'	N 11°24.5'	9.1'	57.6'
19	174°27.8'	105°33.6'	N 22°01.1'	20°48.0'	10.8'	N 11°15.4'	9.1'	57.5'
20	189°30.2'	120°33.6'	N 22°01.4'	35°17.8'	10.9'	N 11°06.3'	9.2'	57.5'
21	204°32.7'	135°33.5'	N 22°01.8'	49°47.7'	10.9'	N 10°57.1'	9.2'	57.5'
22	219°35.2'	150°33.4'	N 22°02.1'	64°17.6'	11.0'	N 10°47.9'	9.3'	57.4'
23	234°37.6'	165°33.3'	N 22°02.5'	78°47.6'	11.1'	N 10°38.6'	9.3'	57.4'