

March 17, 18 ,19 (Tue., Wed., Thu.)

Aries			Venus			Mars			Jupiter			Saturn			Stars		
Tue	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	SHA	Dec	Mer.pass		
0	174°15.3	11°21.3	146°51.6	11°21.3	156°34.8	7°10.4	38°05.9	17°44.1	290°52.4	-19°02.8	290°52.4	-19°02.8	Alpheratz	357°42.6	29°10.4		
1	189°17.7	11°22.5	161°51.3	11°22.5	171°35.6	7°11.1	53°08.5	17°44.2	305°54.8	-19°02.8	305°54.8	-19°02.8	Ankaa	353°15.0	-42°13.5		
2	204°20.2	11°23.7	176°50.9	11°23.7	186°36.3	7°11.9	68°11.1	17°44.2	320°57.3	-19°02.8	320°57.3	-19°02.8	Schedar	349°39.6	56°37.2		
3	219°22.6	11°24.9	191°50.5	11°24.9	201°37.0	7°12.6	83°13.8	17°44.3	335°59.8	-19°02.8	335°59.8	-19°02.8	Diphda	348°54.9	-17°54.4		
4	234°25.1	11°26.1	206°50.2	11°26.1	216°37.7	7°13.4	98°16.4	17°44.3	351°02.2	-19°02.8	351°02.2	-19°02.8	Achernar	335°26.5	-57°09.8		
5	249°27.6	11°27.3	221°49.8	11°27.3	231°38.4	7°14.1	113°19.1	17°44.4	6°04.7	-19°02.8	6°04.7	-19°02.8	Hamal	327°59.7	23°31.9		
6	264°30.0	11°28.5	236°49.4	11°28.5	246°39.2	7°14.8	128°21.7	17°44.4	21°07.2	-19°02.8	21°07.2	-19°02.8	Polaris	317°30.7	89°19.9		
7	279°32.5	11°29.7	251°49.1	11°29.7	261°39.9	7°15.6	143°24.3	17°44.5	36°09.7	-19°02.8	36°09.7	-19°02.8	Akamar	315°17.7	-40°15.0		
8	294°35.0	11°30.8	266°48.7	11°30.8	276°40.6	7°16.3	158°27.0	17°44.5	51°12.1	-19°02.7	51°12.1	-19°02.7	Menkar	314°14.0	4°08.7		
9	309°37.4	11°32.0	281°48.3	11°32.0	291°41.3	7°17.1	173°29.6	17°44.6	66°14.6	-19°02.7	66°14.6	-19°02.7	Mirfak	308°38.8	49°54.9		
10	324°39.9	11°33.2	296°47.9	11°33.2	306°42.0	7°17.8	188°32.3	17°44.6	81°17.1	-19°02.7	81°17.1	-19°02.7	Aldebaran	290°48.1	16°32.2		
11	339°42.4	11°34.4	311°47.6	11°34.4	321°42.8	7°18.5	203°34.9	17°44.7	96°19.6	-19°02.7	96°19.6	-19°02.7	Rigel	281°10.9	-8°11.4		
12	354°44.8	11°35.6	326°47.2	11°35.6	336°43.5	7°19.3	218°37.5	17°44.7	111°22.0	-19°02.7	111°22.0	-19°02.7	Capella	280°32.7	46°00.8		
13	9°47.3	11°36.8	341°46.8	11°36.8	351°44.2	7°20.0	233°40.2	17°44.8	126°24.5	-19°02.7	126°24.5	-19°02.7	Bellatrix	278°30.7	6°21.5		
14	24°49.8	11°38.0	356°46.4	11°38.0	6°44.9	7°20.7	248°42.8	17°44.8	141°27.0	-19°02.7	141°27.0	-19°02.7	Elnath	278°11.1	28°37.1		
15	39°52.2	11°39.1	11°46.1	11°39.1	21°45.6	7°21.5	263°45.4	17°44.8	156°29.5	-19°02.7	156°29.5	-19°02.7	Alnilam	275°45.2	-1°11.9		
16	54°54.7	11°40.3	26°45.7	11°40.3	36°46.3	7°22.2	278°48.1	17°44.9	171°32.0	-19°02.7	171°32.0	-19°02.7	Betelgeuse	270°60.0	7°24.3		
17	69°57.1	11°41.5	41°45.3	11°41.5	51°47.1	7°23.0	293°50.7	17°44.9	186°34.4	-19°02.7	186°34.4	-19°02.7	Canopus	263°55.5	-52°42.7		
18	84°59.6	11°42.7	56°45.0	11°42.7	66°47.8	7°23.7	308°53.4	17°45.0	201°36.9	-19°02.7	201°36.9	-19°02.7	Sirius	258°32.5	-16°44.5		
19	100°02.1	11°43.9	71°44.6	11°43.9	81°48.5	7°24.4	323°56.0	17°45.0	216°39.4	-19°02.7	216°39.4	-19°02.7	Adara	255°11.4	-29°00.0		
20	115°04.5	11°45.1	86°44.2	11°45.1	96°49.2	7°25.2	338°58.6	17°45.1	231°41.9	-19°02.6	231°41.9	-19°02.6	Procyon	244°58.2	5°11.0		
21	130°07.0	11°46.2	101°43.8	11°46.2	111°49.9	7°25.9	354°01.3	17°45.1	246°44.3	-19°02.6	246°44.3	-19°02.6	Pollux	243°26.0	27°59.2		
22	145°09.5	11°47.4	116°43.5	11°47.4	126°50.7	7°26.6	9°03.9	17°45.2	261°46.8	-19°02.6	261°46.8	-19°02.6	Avior	234°17.1	-59°33.9		
23	160°11.9	11°48.6	131°43.1	11°48.6	141°51.4	7°27.4	24°06.5	17°45.2	276°49.3	-19°02.6	276°49.3	-19°02.6	Suhail	222°51.2	-43°30.0		
Mer.pass.:12:20			v-0.4 d1.2 m-3.9			v0.7 d0.7 m1.3			v2.6 d0.0 m-2.3			v2.5 d0.0 m0.4					
Wed	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	SHA	Dec	Mer.pass		
0	175°14.4	11°49.8	146°42.7	11°49.8	156°52.1	7°28.1	39°09.2	17°45.3	291°51.8	-19°02.6	291°51.8	-19°02.6	Dubhe	193°49.7	61°40.0		
1	190°16.9	11°51.0	161°42.3	11°51.0	171°52.8	7°28.9	54°11.8	17°45.3	306°54.2	-19°02.6	306°54.2	-19°02.6	Denebola	182°32.1	14°29.1		
2	205°19.3	11°52.1	176°42.0	11°52.1	186°53.5	7°29.6	69°14.4	17°45.4	321°56.7	-19°02.6	321°56.7	-19°02.6	Gienah	175°50.7	-17°37.7		
3	220°21.8	11°53.3	191°41.6	11°53.3	201°54.3	7°30.3	84°17.1	17°45.4	336°59.2	-19°02.6	336°59.2	-19°02.6	Acrux	173°07.2	-63°11.0		
4	235°24.2	11°54.5	206°41.2	11°54.5	216°55.0	7°31.1	99°19.7	17°45.5	352°01.7	-19°02.6	352°01.7	-19°02.6	Gacrux	171°58.9	-57°11.9		
5	250°26.7	11°55.7	221°40.8	11°55.7	231°55.7	7°31.8	114°22.3	17°45.5	7°04.2	-19°02.6	7°04.2	-19°02.6	Alioth	166°19.2	55°52.5		
6	265°29.2	11°56.9	236°40.4	11°56.9	246°56.4	7°32.5	129°25.0	17°45.5	22°06.6	-19°02.6	22°06.6	-19°02.6	Spica	158°29.7	-11°14.5		
7	280°31.6	11°58.0	251°40.1	11°58.0	261°57.1	7°33.3	144°27.6	17°45.6	37°09.1	-19°02.5	37°09.1	-19°02.5	Alcaid	152°57.6	49°14.1		
8	295°34.1	11°59.2	266°39.7	11°59.2	276°57.9	7°34.0	159°30.2	17°45.6	52°11.6	-19°02.5	52°11.6	-19°02.5	Hadar	148°45.5	-60°26.6		
9	310°36.6	12°00.4	281°39.3	12°00.4	291°58.6	7°34.7	174°32.8	17°45.7	67°14.1	-19°02.5	67°14.1	-19°02.5	Menkent	148°05.8	-36°26.6		
10	325°39.0	12°01.6	296°38.9	12°01.6	306°59.3	7°35.5	189°35.5	17°45.7	82°16.6	-19°02.5	82°16.6	-19°02.5	Arcturus	145°54.2	19°06.4		
11	340°41.5	12°02.7	311°38.6	12°02.7	322°00.0	7°36.2	204°38.1	17°45.8	97°19.0	-19°02.5	97°19.0	-19°02.5	Rigel Kent.	139°49.5	-60°53.6		
12	355°44.0	12°03.9	326°38.2	12°03.9	337°00.7	7°36.9	219°40.7	17°45.8	112°21.5	-19°02.5	112°21.5	-19°02.5	Zubenelg.	137°03.9	-16°06.2		
13	10°46.4	12°05.1	341°37.8	12°05.1	352°01.5	7°37.7	234°43.4	17°45.9	127°24.0	-19°02.5	127°24.0	-19°02.5	Kochab	137°19.4	74°05.4		
14	25°48.9	12°06.3	356°37.4	12°06.3	7°02.2	7°38.4	249°46.0	17°45.9	142°26.5	-19°02.5	142°26.5	-19°02.5	Alphecca	126°09.8	26°39.7		
15	40°51.4	12°07.4	11°37.0	12°07.4	22°02.9	7°39.1	264°48.6	17°46.0	157°29.0	-19°02.5	157°29.0	-19°02.5	Antares	112°24.7	-26°27.7		
16	55°53.8	12°08.6	26°36.7	12°08.6	37°03.6	7°39.9	279°51.3	17°46.0	172°31.4	-19°02.5	172°31.4	-19°02.5	Atria	107°25.3	-69°02.8		
17	70°56.3	12°09.8	41°36.3	12°09.8	52°04.3	7°40.6	294°53.9	17°46.0	187°33.9	-19°02.4	187°33.9	-19°02.4	Sabik	102°11.1	-15°44.5		
18	85°58.7	12°10.9	56°35.9	12°10.9	67°05.0	7°41.4	309°56.5	17°46.1	202°36.4	-19°02.4	202°36.4	-19°02.4	Shaula	96°20.3	-37°06.6		
19	101°01.2	12°12.1	71°35.5	12°12.1	82°05.8	7°42.1	324°59.1	17°46.1	217°38.9	-19°02.4	217°38.9	-19°02.4	Rasalhague	96°05.4	12°33.0		
20	116°03.7	12°13.3	86°35.1	12°13.3	97°06.5	7°42.8	340°01.8	17°46.2	232°41.4	-19°02.4	232°41.4	-19°02.4	Etamin	90°45.6	51°29.1		
21	131°06.1	12°14.5	101°34.8	12°14.5	112°07.2	7°43.6	355°04.4	17°46.2	247°43.8	-19°02.4	247°43.8	-19°02.4	Kaus Aust.	83°42.3	-34°22.3		
22	146°08.6	12°15.6	116°34.4	12°15.6	127°07.9	7°44.3	10°07.0	17°46.3	262°46.3	-19°02.4	262°46.3	-19°02.4	Vega	80°38.3	38°47.7		
23	161°11.1	12°16.8	131°34.0	12°16.8	142°08.6	7°45.0	25°09.7	17°46.3	277°48.8	-19°02.4	277°48.8	-19°02.4	Nunki	75°57.0	-26°16.4		
Mer.pass.:12:17			v-0.4 d1.2 m-3.9			v0.7 d0.7 m1.3			v2.6 d0.0 m-2.3			v2.5 d0.0 m0.4					
Thu	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	GHA	Dec	SHA	Dec	Mer.pass		
0	176°13.5	12°18.0	146°33.6	12°18.0	157°09.4	7°45.8	40°12.3	17°46.4	292°51.3	-19°02.4	292°51.3	-19°02.4	Alnair	27°42.7	-46°53.1		
1	191°16.0	12°19.1	161°33.2	12°19.1	172°10.1	7°46.5	55°14.9	17°46.4	307°53.8	-19°02.4	307°53.8	-19°02.4	Fomalhaut	15°23.1	-29°32.5		
2	206°18.5	12°20.3	176°32.8	12°20.3	187°10.8	7°47.2	70°17.5	17°46.4	322°56.3	-19°02.4	322°56.3	-19°02.4	Scheat	13°52.6	28°09.8		
3	221°20.9	12°21.5	191°32.5	12°21.5	202°11.5	7°48.0	85°20.2	17°46.5	337°58.7	-19°02.4	337°58.7	-19°02.4	Markab	13°37.4	15°17.2		
4	236°23.4	12°22.6	206°32.1	12°22.6	217°12.2	7°48.7	100°22.8	17°46.5	353°01.2	-19°02.3	353°01.2	-19°02.3					
5	251°25.9	12°23.8	221°31.7	12°23.8	232°13.0	7°49.4	115°25.4	17°46.6	8°03.7	-19°02.3	8°03.7	-19°02.3	2015/3/1	SHA	Mer.pass		
6	266°28.3	12°25.0	236°31.3	12°25.0	247°13.7	7°50.1	130°28.0	17°46.6	23°06.2	-19°02.3	23°06.2	-19°02.3	Venus	332°36.4	14:13		
7	281°30.8	12°26.1	251°30.9	12°26.1	262°14.4	7°50.9	145°30.7	17°46.7	38°08.7	-19°02.3	38°08.7	-19°02.3					

