

Southern Hemisphere - SkyWatcher SynScan Alignment Stars

Alignment stars are sorted into calendar-groups for 3-month periods through the year and visible in the hours after sunset. Stars in the northern sky (north of the ecliptic) are higher in the sky than 30° declination.

For each 3-month period there are two tables (north and south). One for stars in the northern sky and a following table for stars in the southern sky. Some stars are duplicated in adjacent 3-month lists. Stars in each table are sorted by right ascension.

Table A1 - North of the Ecliptic: January 1 to March 31 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Matar	Pegasus	2.95	22	43	30	13
Sadalbari	Pegasus	3.51	22	50	24	36
Homam	Pegasus	3.41	22	41	10	50
Baham	Pegasus	3.52	22	10	6	12
Sadalmelik	Aquarius	2.94	22	6	0	-19
Scheat	Pegasus	2.42	23	4	28	5
Markab	Pegasus	2.48	23	5	15	12
Alpheratz	Andromeda	2.06	0	8	29	5
Algenib	Pegasus	2.84	0	13	15	11
Mothallah	Triangulum	3.42	1	53	29	35
Sheratan	Aries	2.66	1	54	20	48
Hamal	Aries	2	2	7	23	28
Kaffaljidhm	Cetus	3.47	2	43	3	14
Atik	Perseus	3.83	3	44	32	17
Alcyone	Taurus	2.87	3	47	24	6
Menkar	Cetus	2.53	3	2	4	5
Ain	Taurus	3.53	4	29	19	11
Aldebaran	Taurus	0.75	4	36	16	31
El Nath	Taurus	1.65	5	26	28	36
Meissa	Orion	3.33	5	35	9	56
Betelgeuse	Orion	0	5	55	7	24
Bellatrix	Orion	1.59	5	25	6	21
Mintaka	Orion	2.23	5	32	0	-18
Mebstuta	Gemini	3.06	6	44	25	8
Propus	Gemini	3.15	6	15	22	30
Tejat	Gemini	2.86	6	23	22	31
Alhena	Gemini	1.92	6	38	16	23

Table A2 - South of the Ecliptic: January 1 to March 31 after sunset

Name	Constellation	Mag	RA:			
			Hrs	RA: Min	Dec: Deg	Dec: Sec
Alnair	Grus	1.74	22	8	-46	58
Fomalhaut	Piscis Australis	1.16	22	58	-29	37
Skat	Aquarius	3.28	22	55	-15	49
Sadachbia	Aquarius	3.85	22	22	-1	23
Ankaa	Phoenix	2.38	0	26	-42	18
Diphda	Cetus	2.02	0	44	-17	59
Schemali	Cetus	3.56	0	19	-8	49
Achernar	Eridanus	0.4	1	38	-57	14
Baten Kaitos	Cetus	3.74	1	51	-10	20
Acamar	Eridanus	3.2	2	58	-40	18
Angetenar	Eridanus	4.78	2	51	-21	0
Azha	Eridanus	3.87	2	56	-8	54
Mira	Cetus	2	2	19	-2	59
Fornacis	Fornax	3.85	3	12	-28	59
Zaurac	Eridanus	2.88	3	58	-13	31
Rana	Eridanus	3.51	3	43	-9	46
Beid	Eridanus	4.04	4	12	-6	50
Wazn	Columba	3.11	5	51	-35	46
Phact	Columba	2.65	5	40	-34	4
Nihal	Lepus	2.84	5	28	-20	45
Arneb	Lepus	2.59	5	33	-17	49
Saiph	Orion	2.09	5	48	-9	40
Rigel	Orion	0.05	5	15	-8	12
Cursa	Eridanus	2.8	5	8	-5	5
Nair Saif	Orion	2.77	5	35	-5	55
Alnilam	Orion	1.64	5	36	-1	12
Alnitak	Orion	1.77	5	41	-1	57
Canopus	Carina	-0.74	6	24	-52	42
Furud	Canis Major	3.02	6	20	-30	4
Adhara	Canis Major	1.5	6	59	-28	58
Mirzam	Canis Major	1.98	6	23	-17	57
Sirius	Canis Major	-1.46	6	45	-16	43

Table B1 - North of the Ecliptic: April 1 to June 30 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Ain	Taurus	3.53	4	29	19	11
Aldebaran	Taurus	0.75	4	36	16	31
El Nath	Taurus	1.65	5	26	28	36
Meissa	Orion	3.33	5	35	9	56
Betelgeuse	Orion	0	5	55	7	24
Bellatrix	Orion	1.59	5	25	6	21
Mintaka	Orion	2.23	5	32	0	-18
Mebstuta	Gemini	3.06	6	44	25	8
Propus	Gemini	3.15	6	15	22	30
Tejat	Gemini	2.86	6	23	22	31
Alhena	Gemini	1.92	6	38	16	23
Castor	Gemini	1.93	7	35	31	53
Pollux	Gemini	1.14	7	45	28	1
Wasat	Gemini	3.53	7	20	21	59
Mekbuda	Gemini	3.68	7	4	20	34
Gomeisa	Canis Minor	2.84	7	27	8	17
Procyon	Canis Minor	0.34	7	39	5	13
Asellus Australi	Cancer	3.94	8	445	18	9
Tarf	Cancer	3.5	8	17	9	11
Rasalas	Leo	3.88	9	53	26	0
Adhafera	Leo	3.33	10	17	23	25
Algieba	Leo	2.08	10	20	19	50
Regulus	Leo	1.4	10	8	11	58
Alula Australis	Ursa major	4.26	11	18	31	32
Zosma	Leo	2.56	11	14	20	31
Chort	Leo	3.32	11	14	15	26
Denebola	Leo	2.11	11	49	14	34
Alaraph	Virgo	3.6	11	51	1	46
Auva	Virgo	3.32	12	56	3	24
Zaniah	Virgo	3.89	12	20	0	-40

Table B2 - South of the Ecliptic: April 1 to June 30 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Beid	Eridanus	4.04	4	12	-6	50
Wazn	Columba	3.11	5	51	-35	46
Phact	Columba	2.65	5	40	-34	4
Nihal	Lepus	2.84	5	28	-20	45
Arneb	Lepus	2.59	5	33	-17	49
Saiph	Orion	2.09	5	48	-9	40
Rigel	Orion	0.05	5	15	-8	12
Cursa	Eridanus	2.8	5	8	-5	5
Nair Saif	Orion	2.77	5	35	-5	55
Alnilam	Orion	1.64	5	36	-1	12
Alnitak	Orion	1.77	5	41	-1	57
Canopus	Carina	-0.74	6	24	-52	42
Furud	Canis Major	3.02	6	20	-30	4
Adhara	Canis Major	1.5	6	59	-28	58
Mirzam	Canis Major	1.98	6	23	-17	57
Sirius	Canis Major	-1.46	6	45	-16	43
Aludra	Canis Major	2.45	7	24	-29	18
Wezen	Canis Major	1.82	7	8	-26	24
Asmidiske	Puppis	3.35	7	49	-24	52
Avior	Carina	1.86	8	23	-59	31
Regor	Vela	1.81	8	10	-47	20
Naos	Puppis	2.25	8	4	-40	0
Miaplacidus	Carina	1.69	9	13	-69	43
Scutulum	Carina	2.21	9	17	-59	17
Suhail	Vela	2.21	9	8	-43	26
Alphard	Hydra	2	9	28	-8	40
Acrux	Crux	1.33	12	27	-63	6
Mimosa	Crux	1.25	12	48	-59	41
Gacrux	Crux	1.64	12	31	-57	7
Muhlifain	Centaurus	2.17	12	42	-48	58
Alchiba	Corvus	4.03	12	8	-24	44
Kraz	Corvus	2.65	12	34	-23	24
Minkar	Corvus	3.02	12	10	-22	37
Gienah	Corvus	2.59	12	16	-17	33
Algorab	Corvus	2.96	12	30	-16	31
Porrima	Virgo	2.74	12	42	-1	27

Table C1 - North of the Ecliptic: July 1 to September 30 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Adhafera	Leo	3.33	10	17	23	25
Algieba	Leo	2.08	10	20	19	50
Regulus	Leo	1.4	10	8	11	58
Alula Australis	Ursa major	4.26	11	18	31	32
Zosma	Leo	2.56	11	14	20	31
Chort	Leo	3.32	11	14	15	26
Denebola	Leo	2.11	11	49	14	34
Alaraph	Virgo	3.6	11	51	1	46
Auva	Virgo	3.32	12	56	3	24
Zaniah	Virgo	3.89	12	20	0	-40
Muphrid	Bootes	2.68	13	55	18	24
Vindemiatrix	Virgo	2.83	13	2	10	58
Heze	Virgo	3.38	13	35	0	-36
Izar	Bootes	2.37	14	45	27	5
Arcturus	Bootes	-0.05	14	16	19	11
Nusakan	Corona Borealis	3.65	15	28	29	6
Alphecca	Corona Borealis	2.23	15	35	26	43
Unukalhai	Serpens	2.62	15	44	6	26
Kornephoros	Hercules	2.81	16	30	21	29
Marfik	Ophiuchus	3.82	16	31	1	59
Sarin	Hercules	3.13	17	15	24	50
Rasalgethi	Hercules	3.35	17	15	14	23
Rasalhague	Ophiuchus	2.07	17	35	12	34
Celbalrai	Ophiuchus	2.75	17	43	4	34
Shelyak	Lyra	3.25	18	50	33	22
Sulaphat	Lyra	3.26	18	59	32	41

Table C2 - South of the Ecliptic: July 1 to September 30 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Acrux	Crux	1.33	12	27	-63	6
Mimosa	Crux	1.25	12	48	-59	41
Gacrux	Crux	1.64	12	31	-57	7
Muhlifain	Centaurus	2.17	12	42	-48	58
Alchiba	Corvus	4.03	12	8	-24	44
Kraz	Corvus	2.65	12	34	-23	24
Minkar	Corvus	3.02	12	10	-22	37
Gienah	Corvus	2.59	12	16	-17	33
Algorab	Corvus	2.96	12	30	-16	31
Porrima	Virgo	2.74	12	42	-1	27
Spica	Virgo	0.97	13	25	-11	10
Alpha Cen	Centaurus	0.01	14	40	-60	50
Hadar	Centaurus	0.61	14	4	-60	22
Kekwan	Centaurus	3.14	14	59	-42	6
Menkent	Centaurus	2.06	14	7	-36	22
Zubenelgenubi	Libra	2.74	14	51	-16	3
Zubenelhakrabi	Libra	3.91	15	36	-14	47
Zubeneshamali	Libra	2.61	15	17	-9	23
Atria	Triangulum Australe	1.91	16	49	-69	2
Antares	Scorpius	0.6	16	29	-26	26
Alniyat	Scorpius	2.88	16	21	-25	36
Dschubba	Scorpius	2.31	16	0	-22	37
Graffias	Scorpius	2.62	16	5	-19	48
Jabbah	Scorpius	4.35	16	12	-19	28
Yed Posterior	Ophiuchus	3.22	16	18	-4	42
Yed Prior	Ophiuchus	2.75	16	14	-3	42
Tchou	Ara	2.76	17	32	-49	53
Sargas	Scorpius	1.84	17	37	-43	0
Lesuth	Scorpius	2.7	17	31	-37	18
Shaula	Scorpius	1.62	17	34	-37	6
Sabik	Ophiuchus	2.43	17	10	-15	43
Kaus Australis	Sagittarius	1.85	18	24	-34	23
Nasl	Sagittarius	2.98	18	6	-30	25
Kaus Media	Sagittarius	2.7	18	21	-29	50
Nunki	Sagittarius	2.05	18	55	-26	18
Kaus Borealis	Sagittarius	2.82	18	28	-25	25

Table D1 - North of the Ecliptic: October 1 to December 31 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Kornephoros	Hercules	2.81	16	30	21	29
Marfik	Ophiuchus	3.82	16	31	1	59
Sarin	Hercules	3.13	17	15	24	50
Rasalgethi	Hercules	3.35	17	15	14	23
Rasalhague	Ophiuchus	2.07	17	35	12	34
Celbalrai	Ophiuchus	2.75	17	43	4	34
Shelyak	Lyra	3.25	18	50	33	22
Sulaphat	Lyra	3.26	18	59	32	41
Albireo	Cygnus	3.18	19	31	27	58
Tarazed	Aquila	2.72	19	46	10	37
Altair	Aquila	0.76	19	51	8	52
Alshain	Aquila	3.87	19	55	6	24
Sualocin	Delphinus	3.78	20	40	15	55
Rotanev	Delphinus	3.62	20	38	14	36
Enif	Pegasus	2.4	21	44	9	53
Kitalpha	Equuleus	3.92	21	16	5	15

Table D2 - South of the Ecliptic: October 1 to December 31 after sunset

Name	Constellation	Mag	RA: Hrs	RA: Min	Dec: Deg	Dec: Sec
Atria	Triangulum Australe	1.91	16	49	-69	2
Antares	Scorpius	0.6	16	29	-26	26
Alniyat	Scorpius	2.88	16	21	-25	36
Dschubba	Scorpius	2.31	16	0	-22	37
Graffias	Scorpius	2.62	16	5	-19	48
Jabbah	Scorpius	4.35	16	12	-19	28
Yed Posterior	Ophiuchus	3.22	16	18	-4	42
Yed Prior	Ophiuchus	2.75	16	14	-3	42
Tchou	Ara	2.76	17	32	-49	53
Sargas	Scorpius	1.84	17	37	-43	0
Lesuth	Scorpius	2.7	17	31	-37	18
Shaula	Scorpius	1.62	17	34	-37	6
Sabik	Ophiuchus	2.43	17	10	-15	43
Kaus Australis	Sagittarius	1.85	18	24	-34	23
Nasl	Sagittarius	2.98	18	6	-30	25
Kaus Media	Sagittarius	2.7	18	21	-29	50
Nunki	Sagittarius	2.05	18	55	-26	18
Kaus Borealis	Sagittarius	2.82	18	28	-25	25
Arkab	Sagittarius	4.01	19	23	-44	28
Rukbat	Sagittarius	3.97	19	24	-40	37
Ascella	Sagittarius	2.59	19	3	-29	53
Peacock	Pavo	1.94	20	26	-56	44
Dabih	Capricornus	3.05	20	21	-14	47
Giedi	Capricornus	4.27	20	18	-12	30
Albali	Aquarius	3.77	20	48	-9	30
Aldhanab	Grus	3	21	54	-37	22
Deneb Algiedi	Capricornus	2.81	21	47	-16	8
Nashira	Capricornus	3.67	21	40	-16	40
Sadalsuud	Aquarius	2.87	21	32	-5	34
Alnair	Grus	1.74	22	8	-46	58
Fomalhaut	Piscis Australis	1.16	22	58	-29	37
Skat	Aquarius	3.28	22	55	-15	49
Sadachbia	Aquarius	3.85	22	22	-1	23
Ankaa	Phoenix	2.38	0	26	-42	18
Diphda	Cetus	2.02	0	44	-17	59
Schemali	Cetus	3.56	0	19	-8	49