







Table of astronomical data with columns for LHA (Right Ascension) and Zn (Declination) for various stars. The table is organized into 11 columns, each representing a different star or a set of stars. Each entry includes the LHA and Zn values for a specific date and time.

Star chart grid for LAT 22°S (left side). Columns: LHA Y, Hc, Zn, and star names: Alpharatz, Hamal, RIGEL, CANOPUS, ACHERNAR, Peacock, Enif, Hamal, ALDEBARAN, SIRIUS, CANOPUS, ACHERNAR, FOMALHAUT, Alpheratz, Hamal, BETELGEUSE, SIRIUS, CANOPUS, ACHERNAR, FOMALHAUT, Hamal, REGULUS, ARCTURUS, SPICA, ACRUX, CANOPUS, SIRIUS, PROCYON, CAPELLA, POLLUX, PROCYON, Suhail, CANOPUS, ACHERNAR, Hamal, REGULUS, ANTARES, ACRUX, CANOPUS, SIRIUS, PROCYON, REGULUS.

Star chart grid for LAT 22°S (right side). Columns: LHA Y, Hc, Zn, and star names: POLLUX, REGULUS, ACRUX, CANOPUS, ACHERNAR, ALDEBARAN, CAPELLA, POLLUX, REGULUS, SPICA, ACRUX, CANOPUS, RIGEL, BETELGEUSE, POLLUX, REGULUS, SPICA, ACRUX, CANOPUS, SIRIUS, BETELGEUSE, POLLUX, REGULUS, ARCTURUS, SPICA, ACRUX, CANOPUS, SIRIUS, PROCYON, CAPELLA, POLLUX, REGULUS, ARCTURUS, ANTARES, ACRUX, CANOPUS, SIRIUS, PROCYON, REGULUS.





LHA	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn
180	ARCTURUS	36°19' 041	ANTARES	29°10' 109	ACRUX	49°31' 175	Subail	49°21' 229	Alphard	51°03' 285	REGULUS	45°51' 319	Denebola	52°28' 356		
181	36 55 040	30 03 108	49 36 176	48 39 229	50 10 285	45 15 318	52 23 356									
182	37 31 039	30 55 108	49 39 177	47 57 230	49 16 284	44 38 317	52 17 353									
183	38 05 038	31 48 108	49 42 177	47 15 230	48 22 283	44 00 316	52 09 351									
184	38 39 037	32 40 108	49 45 178	46 32 230	47 29 283	43 21 315	52 00 350									
185	39°12' 036	33°33' 107	49°46' 179	45°50' 230	46°35' 282	42°42' 314	51°50' 348									
186	39 45 035	34 26 107	49 47 179	45 07 231	45 41 281	42 02 313	51 38 347									
187	40 16 034	35 19 107	49 48 180	44 24 231	44 46 281	41 21 312	51 24 345									
188	40 47 033	36 11 107	49 47 180	43 41 231	43 52 280	40 40 311	51 09 344									
189	41 17 032	37 04 107	49 46 181	42 58 231	42 58 280	39 58 310	50 53 342									
190	41°46' 030	37°57' 106	49°44' 182	42°15' 231	42°03' 279	39°16' 309	50°36' 341									
191	42 14 031	38 50 106	49 42 183	41 32 231	41 09 279	38 33 309	50 17 339									
192	42 42 029	39 43 106	49 39 184	40 49 232	40 14 278	37 50 308	49 57 338									
193	43 08 028	40 36 106	49 35 184	40 06 232	39 19 278	37 06 307	49 35 336									
194	43 33 027	41 30 106	49 31 185	39 22 232	38 25 277	36 21 306	49 13 335									

LHA	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn	Hc	Zn
270	VEGA	27°34' 008	ALTAIR	47°58' 044	FOMALHAUT	23°50' 113	Peacock	47°01' 151	RIGIL KENT	39°05' 209	ANTARES	69°26' 256	Alphecca	29°18' 323		
271	27 42 007	48 36 043	24 41 113	47 27 152	38 29 209	68 33 256	28 44 322									
272	27 49 007	49 13 041	25 32 113	47 53 152	38 12 209	67 39 256	28 10 321									
273	27 54 006	49 49 040	26 23 113	48 19 153	37 45 209	66 45 256	27 35 320									
274	27 59 005	50 24 039	27 13 113	48 44 153	37 18 210	65 52 256	27 00 320									
275	28°04' 004	50°59' 038	28°05' 112	49°09' 154	36°51' 210	64°58' 256	26°24' 319									
276	28 07 003	51 32 036	28 56 112	49 33 154	36 23 210	64 04 256	25 47 318									
277	28 09 002	52 04 035	29 47 112	49 56 155	35 55 210	63 11 256	25 10 318									
278	28 11 001	52 35 034	30 38 112	50 20 156	35 28 210	62 17 257	24 33 317									
279	28 12 000	53 05 032	31 29 112	50 42 156	35 00 210	61 23 257	23 54 316									
280	28°12' 359	53°34' 031	32°21' 111	51°04' 157	34°32' 211	60°30' 257	23°16' 315									
281	28 11 359	54 02 029	33 12 111	51 26 157	34 03 211	59 36 256	22 37 315									
282	28 09 358	54 28 028	34 04 111	51 47 158	33 35 211	58 42 256	21 58 314									
283	28 06 357	54 53 026	34 55 111	52 07 159	33 07 211	57 49 256	21 18 314									
284	28 03 356	55 17 025	35 47 111	52 27 160	32 38 211	56 55 256	20 38 313									



Table of star coordinates for LAT 24°S, columns 1-14. Includes stars like Alpheratz, Hamal, Rigel, Canopus, Achernar, Peacock, Enif, etc.

Table of star coordinates for LAT 24°S, columns 15-28. Includes stars like Pollux, Regulus, ACRUX, Canopus, Achernar, Aldebaran, Capella, etc.

Main table containing astronomical data for stars in the Southern Hemisphere, organized in columns by constellation (e.g., ARCTURUS, ANTAIRES, ACRUX, etc.) and rows by star number (180-269).





Table listing star coordinates for the southern sky (LAT 26°S). Columns include LHA and star names: Alpheratz, Hamal, Rigel, Canopus, Achernar, Peacock, Enif, Fomalhaut, etc.

Table listing star coordinates for the southern sky (LAT 26°S). Columns include LHA and star names: Pollux, Regulus, Acrux, Canopus, Achernar, Rigel, Betelgeuse, etc.

Table with columns: LHA, Hc, Zn, and star names (ARCTURUS, ANTARES, RIGIL KENT, etc.) for various stars in the sky.

Table with columns: LHA, Hc, Zn, and star names (VEGA, ALTAIR, FOMALHAUT, etc.) for various stars in the sky.







LAT 28°S

LAT 28°S

Table with columns: LHA, Hc, Zn, and star names (Alpheratz, Hamal, RIGEL, CANOPUS, ACHERNAR, Peacock, Enif, etc.) for stars in the constellation of the Southern Cross.

Table with columns: LHA, Hc, Zn, and star names (POLLUX, REGULUS, ACRUX, CANOPUS, ACHERNAR, RIGEL, BETELGEUSE, etc.) for stars in the constellation of the Southern Cross.

Table with columns: LHA (Y), Hc, Zn, and star names (ARCTURUS, ANTARES, RIGIL KENT, etc.) for stars with Right Ascension between 180 and 269.

Table with columns: LHA (Y), Hc, Zn, and star names (VEGA, ALTAIR, FOMALHAUT, etc.) for stars with Right Ascension between 270 and 359.



LAT 29°S

Table with 10 columns: LHA, Hc, Zn, Hc, Zn, Hc, Zn, Hc, Zn, Hc, Zn. Contains star data for various constellations like ARCTURUS, ANTARES, RIGIL KENT, etc.

LAT 29°S

Table with 10 columns: LHA, Hc, Zn, Hc, Zn, Hc, Zn, Hc, Zn, Hc, Zn. Contains star data for various constellations like VEGA, ALTAR, FOMALHAUT, etc.