

ASTERISM SOUTHERN CROSS

The Southern Cross is located in the constellation Crux, the smallest of the 88 constellations.

It is one of the most distinctive. With the four stars Mimosa, Beta Crux, Gamma Crux and Delta Crucis, forming the arms of the cross.

The Southern Cross was also used as a remarkably accurate timepiece by all the people of the southern hemisphere, referred to as the 'Southern Celestial Clock' by the portuguese naturalist Cristoval D'Acosta.

It is perpendicular as it passes the meridian, and the exact time can thus be calculated visually from its angle.

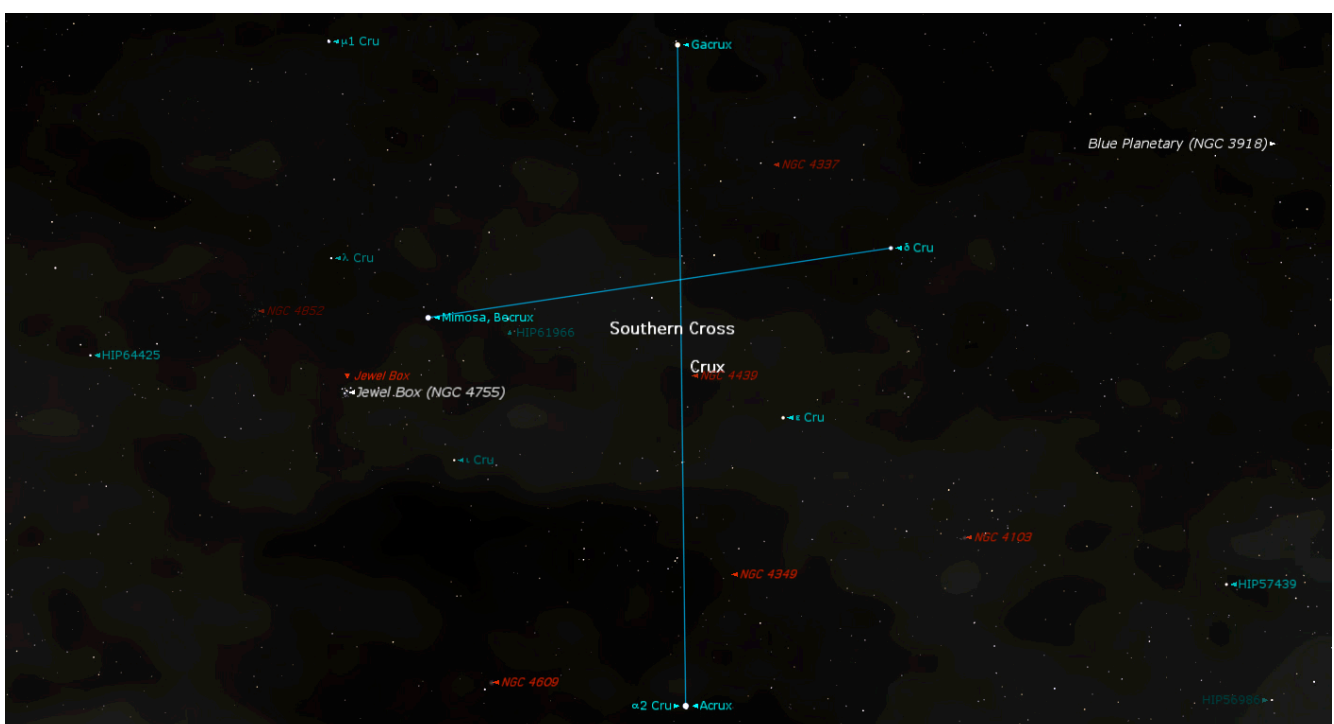
The german explorer Baron Alexander von Humboldt, sailing across the southern oceans in 1799, wrote:

"It is a timepiece, which advances very regularly nearly 4 minutes a day, and no other group of stars affords to the naked eye an observation of time so easily made".

Asterism - An asterism is a distinctive pattern of stars or a distinctive group of stars in the sky.

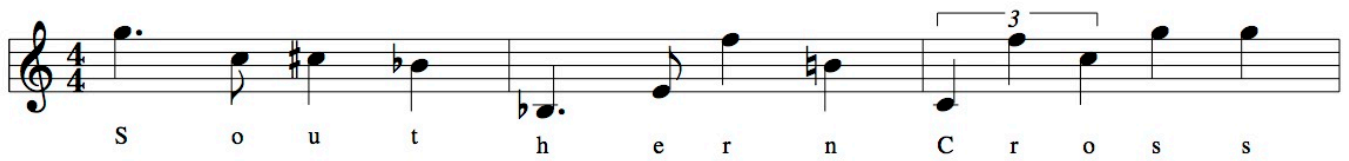
Constellation - A grouping of stars that make an imaginary picture in the sky. There are 88 constellations.

THE STARS AND OBJECTS NEARBY



THE MAIN-THEMES IN ASTERISM SOUTHERN CROSS

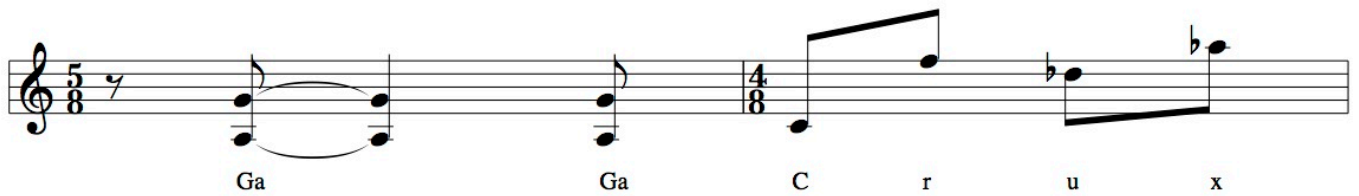
SOUTHERN CROSS



Musical notation for Southern Cross in 4/4 time. The melody consists of a series of eighth and quarter notes. A triplet of eighth notes is marked above the final three notes of the phrase.

S o u t h e r n C r o s s

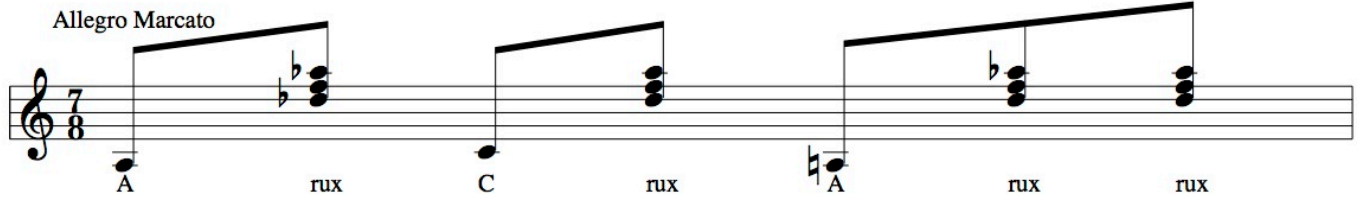
GA CRUX



Musical notation for Ga Crux in 5/8 time, changing to 4/8. The melody features a dotted quarter note followed by an eighth note, then a quarter note, and finally a dotted quarter note. A slur is placed over the first two notes.

Ga Ga C r u x

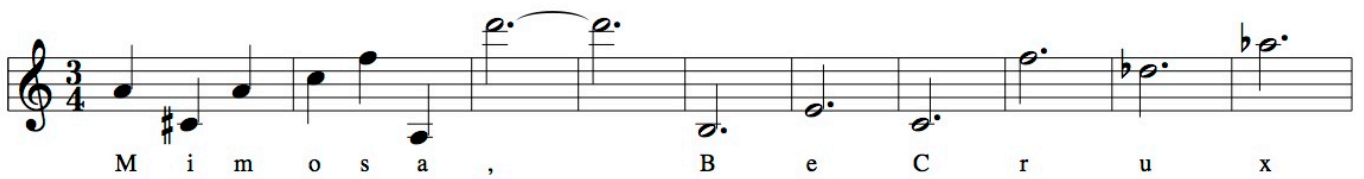
A CRUX



Musical notation for A Crux in 7/8 time. The melody consists of a dotted quarter note followed by an eighth note, then a quarter note, and finally a dotted quarter note. A slur is placed over the first two notes.

Allegro Marcato
A rux C rux A rux rux

MIMOSA, BE CRUX



Musical notation for Mimosa, Be Crux in 3/4 time. The melody consists of a series of quarter notes. A slur is placed over the first two notes of the second phrase.

M i m o s a , B e C r u x

DELTA CRUCIS



Musical notation for Delta Crucis in 4/4 time, changing to 6/4 and back to 4/4. The melody consists of a series of quarter notes.

D e l t a C r u c i s

THE MOTIVES IN ASTERISM SOUTHERN CROSS

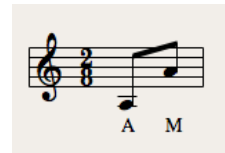
CRUCIS

A BAYER / FLAMSTEED INDICATION



AM

ARP+MADORE - A CATALOGUE OF SOUTHERN PECULIAR GALAXIES AND ASSOCIATIONS



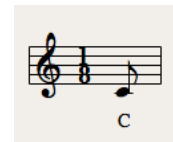
[B10]

BOSS, 1910 - PRELIMINARY GENERAL CATALOGUE OF 6188 STARS



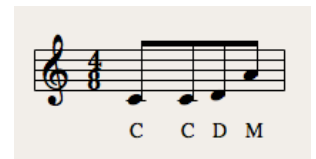
C

CLUSTER



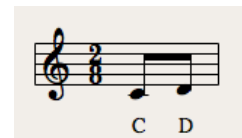
CCDM

CATALOGUE DES COMPOSANTES D'ÉTOILES DOUBLES ET MULTIPLES



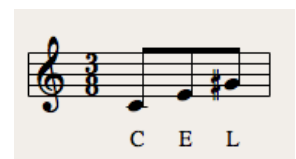
CD

CORDOBA DURCHMUSTERUNG DECLINATION



CEL

TELESCOPE CATALOG OF ULTRAVIOLET MAGNITUDES



CPG

CAPE PHOTOGRAPHIC CATALOGUE



CPD

CAPE PHOTOGRAPHIC DURCHMUSTERUNG FOR THE EQUINOX 1875



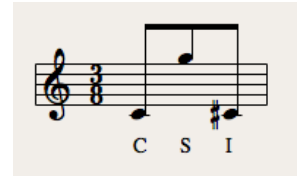
CR

COLLINDER - ON STRUCTURED PROPERTIES OF OPEN GALACTIC CLUSTERS AND THEIR SPATIAL DISTRIBUTION



CSI

CATALOG OF STELLAR IDENTIFICATIONS



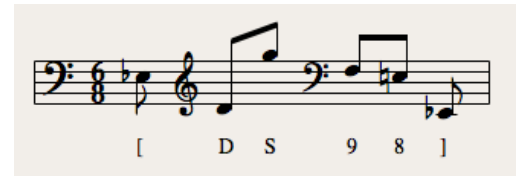
CSV

CATALOG OF SUSPECTED VARIABLE STARS



[DS98]

DUMM + SCHILD - STELLAR RADII OF M GIANTS



ESO

EUROPEAN SOUTHERN OBSERVATORY - THE ESO/UPPSALA SURVEY OF THE ESO (B) ATLAS OF SOUTH SKY



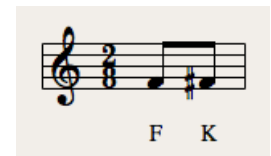
EUVE

EXTREME ULTRA VIOLET EXPLORER



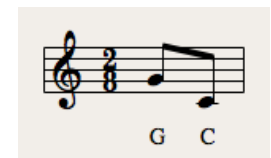
FK

FEIGELSON + KRISS - DISCOVERY OF THREE X-RAY LUMINOUS PRE-MAIN SEQUENCE STARS



GC

GENERAL CATALOGUE OF 33342 STARS FOR THE EPOCH 1950



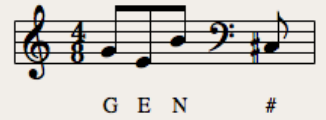
GCRV

GENERAL CATALOG OF STELLAR RADIAL VELOCITIES



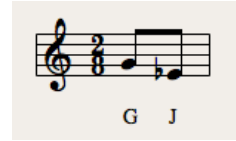
GEN#

GENEVA IDENTIFICATION SYSTEM



GJ

GLIESE + JAHREISS - CATALOGUE OF NEARBY STARS



GSC

GAS-STAR COMPLEX - ESTIMATES OF GEOMETRIC AND DYNAMIC PARAMETERS OF STAR-GAS COMPLEXES IN THE GALAXY



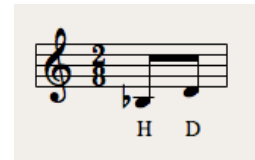
H

NUEVAS NEBULOSAS PLANETARIAS Y OBJETOS CON EMISION EN LA REGION DEL CENTRO GALACTICO



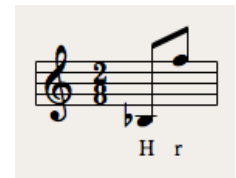
HD

HENRY DRAPER CATALOGUE



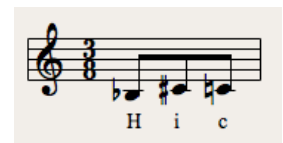
HR

HARVARD OBSERVATORY - THE BRIGHT STAR CATALOGUE



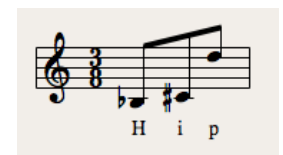
HIC

HIPPARCOS INPUT CATALOGUE



HIP

THE HIPPARCOS AND TYCHO CATALOGUES (VOL. 1-17)



IDS

INDEX CATALOGUE OF VISUAL DOUBLE STARS



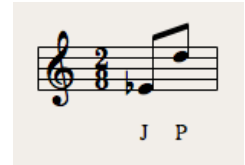
IRAS

INFRARED ASTRONOMICAL SATELLITE (IRAS), CATALOGS AND ATLASES



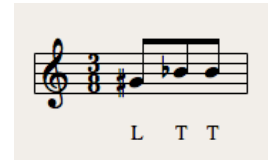
JP

JODRELL BANK, PULSAR - PULSARS: OBSERVATIONAL PARAMETERS AND A DISCUSSION ON DISPERSION MEASURES



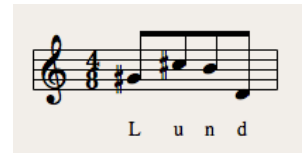
LTT

LUYTEN, TWO TENTHS - A CATALOGUE OF 9867 STARS IN THE SOUTHERN HEMISPHERE WITH PROPER MOTIONS EXCEEDING 0".2 ANNUALLY



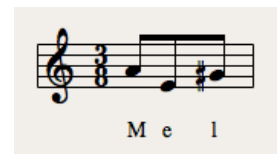
LUND

LUND OBSERVATORY



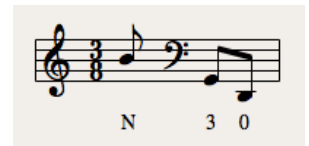
MEL

MELOTTE - A CATALOGUE OF STAR CLUSTERS SHOWN ON THE FRANKLIN-ADAMS CHART PLATES



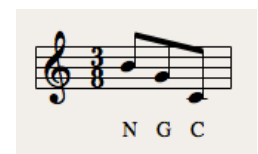
N30

NORMAL SYSTEM, EPOCH 1930 - CATALOG OF 5268 STANDARD STARS FOR THE EQUINOX AND EPOCH 1950.0 BASED ON THE NORMAL STAR SYSTEM N30



NGC

A NEW GENERAL CATALOGUE OF NEBULAE AND CLUSTERS OF STARS, BEING THE CATALOGUE OF THE LATE SIR JOHN F.W. HERSCHEL



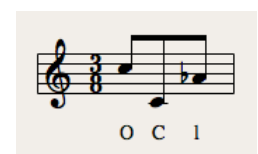
NSV

NEW CATALOG OF SUSPECTED VARIABLE STARS



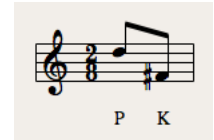
OCL

CATALOG OF STAR CLUSTERS AND ASSOCIATIONS



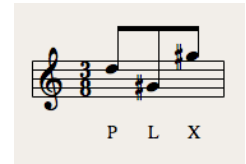
PK

CATALOGUE OF GALACTIC PLANETARY NEBULAE



PLX

PARALLAX - GENERAL CATALOGUE OF TRIGONOMETRIC STELLAR PARALLAXES,
COMPILED AT THE YALE UNIVERSITY OBSERVATORY



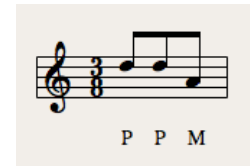
SACS

SECOND ASTROLABE CATALOGUE OF SANTIAGO



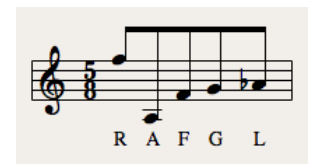
PPM

POSITION AND PROPER MOTIONS NORTH STAR CATALOGUE



RAFGL

REVISED AIR FORCE GEOPHYS. LAB.



ROT

ROTATIONAL VELOCITY - CATALOGUE OF ROTATIONAL VELOCITIES OF STARS



SAO

SMITHSONIAN ASTROPHYSICAL OBSERVATORY



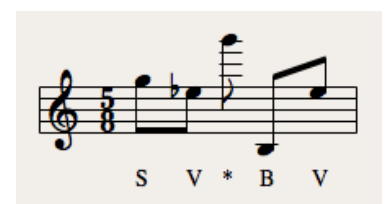
SKY#

SKYMAP



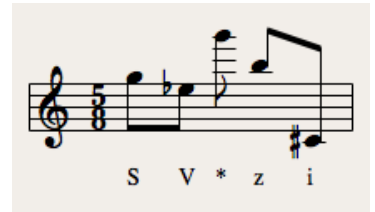
SV*BV

BAMBERG, VARIABLE STAR



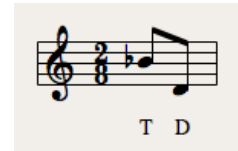
SV*ZI

ZINNER, VARIABLE STAR



TD

TIDAL DWARF - STAR-FORMING OBJECTS IN THE TIDAL TAILS OF COMPACT GROUPS



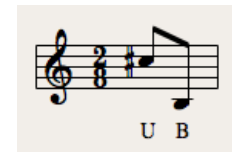
TYC

TYCHO MISSION
THE HIPPARCOS AND TYCHO CATALOGUES (VOL. 1-17)



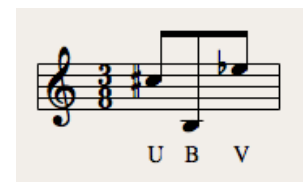
UB

ULTRAVIOLET BLUE



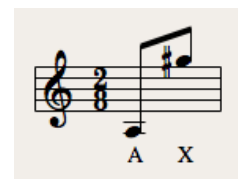
UBV

UBV SYSTEM - PHOTOELECTRIC CATALOGUE , MAGNITUDES AND COLORS OF STARS IN THE UBV AND UCVB SYSTEMS



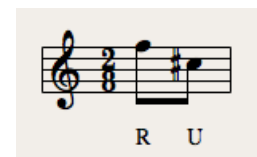
AX

ASCA SATELLITE, X-RAY



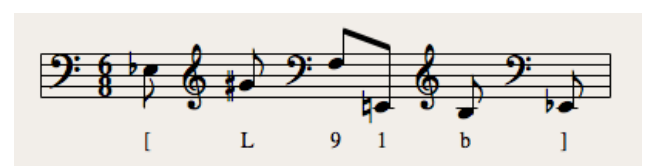
RU

RUBIN - A FINDING LIST OF FAINT BLUE STARS IN THE ANTICENTER OF THE GALAXY



[L91B]

LU, 1991 - TAXONOMY OF BARIUM STARS



THEMES USED IN SOUTHERN CROSS

SOUTHERN CROSS
ABBÉ DE LA CAILLE
CENTAURUS
CRUX AUSTRALIS

THEMES USED IN GA CRUX

GA CRUX
HIP 61084
GAMMA CRUCIS
TYC 8654-3422-1
HIP 61084
SV*BV 839
* GAM CRU
CCDM J 12312-5706A
CD-564504
CPC 203840
CPD-565272
CSV 101285
[DS98] 174
FK5 468
GC 17052
GCRV 7528
GEN#+1.00108903
GJ 470
HD 108903
Hic 61084
HR 4763
IDS 12256-5633A
IRAS 12283-5650
JP11 2226
[91B] 208
LTT 4752
N30 2892
RAFGL 4150
SAO 240019
SKY# 23406
SV*ZI 944
UBV 11239
UBV M 18297

NGC 4439

OCL 884
ESO 131-SC6
CR 259
LUND 616
H 3392
GC 2997

NGC 4103

OCL 871
ESO 130-SC5
CR 252
MEL 109
LUND 604
H 3377
GC 2912

NGC 4349

OCL 882
ESO 131-SC3
CR 255
MEL 110
LUND 611
H 3389
GC 2912

NGC 4184

OCL 877

ESO 130-SC10
RU 102
LUND 607
H 3384
GC 2780

THEMES USED IN A CRUX

A CRUX
UVBY98 100108248 AB
HD 108248
UBV 11169
JP11 2217
HIP 60718
HIC 60718
IDS 12210-6233 AB
TYC 8979-3464-1
GEN#+1.00108248J
* ALF CRU
ALPHA CRUCIS
AX J1226.6-6305
CEL 4105
CPD-62 2745
CSI-62 2745 43
DOUBLE OR MULTIPLE STAR

NGC 4609

OCL 890
ESO 95-SC14
GC 3407
CR 263
LUND 625
H 3407
GC 3145

THEMES USED IN MIMOSA, BE CRUX

MIMOSA, BE CRUX
HIP 62434
BETA CRUCIS
TYC 8659-3107-1
* BETA CRU
[B10] 3328
CCDM J 12478-5940 A
CEL 4154
CPC 203932
CPD-59 4451 41
CSI-59 4451 41
EUVE J 1247-59.6
FK5 481
GC 17374
GCRV 7661
GEN#+1.00111123
GSC 08659-03107
HD 111123
HGAM 2011
HIC 62434
HR 4853
IDS 12419-5908 A
JP11 2298
N30 2947
PPM 341305
ROT 1887
SAO 240259
SKY# 23820
TD1 16475
UBV 11480
UBV M 18628
UVBY98 100111123 V
V * BET CRU

NGC 4755

C 94
JEWEL BOX CLUSTER
OCL 892
ESO 131-SC16
CR 264
MEL 114
LUND 627
H 3435
GC 3275
KAPPA CRUCIS CLUSTER

NGC 4852

OCL 894
ESO 131-SC17
CR 266
MEL 116
LUND 629
H 3449
GC 3335

THEMES USED IN DELTA CRUCIS

DELTA CRUCIS
HIP 59747
TYC 8645-2263-1
* DEL CRU
[B10] 3187
CD-58446
CEL 4076
CPC 203748
CPD-584189
CSV 6902
FK5 455
GC 16724
GCRV 7332
GEN#+1.00106490
GSC 08645-02263
HD 106490
Hic 59747
HR 4656
IRAS 12124-5828
JP11 2192
N30 2833
NSV 5510
PLX 2819.1
PPM 340824
ROT 1792
SACS 266
SAO 239791
SKY# 22977
TD1 16155
UBV 11000
UBV M 17943
UVBY98 100106490
V* DEL CRU

NGC 4337

OCL 878
ESO 131-SC2
CR 254
LUND 610
H 3388
GC 2902

NGC 3918

BLUE PLANETARY
AM 1147-565
PK 294+4.1
ESO 170-PN13
H 3365
GC 2581