

ASTERISM LITTLE DIPPER

Little Dipper or Little Bear is located in the constellation Ursa Minor.

The stars Kochab, Pherkad, Eta Ursae Minoris, Zeta Ursae Minoris, Delta Ursae Minoris, 24 Ursae Minoris and Polaris form the asterism.

The most famous star in the asterism is Polaris, the North Star.

Polaris remains in very nearly the same spot in the sky year-round while the other stars circle around it.

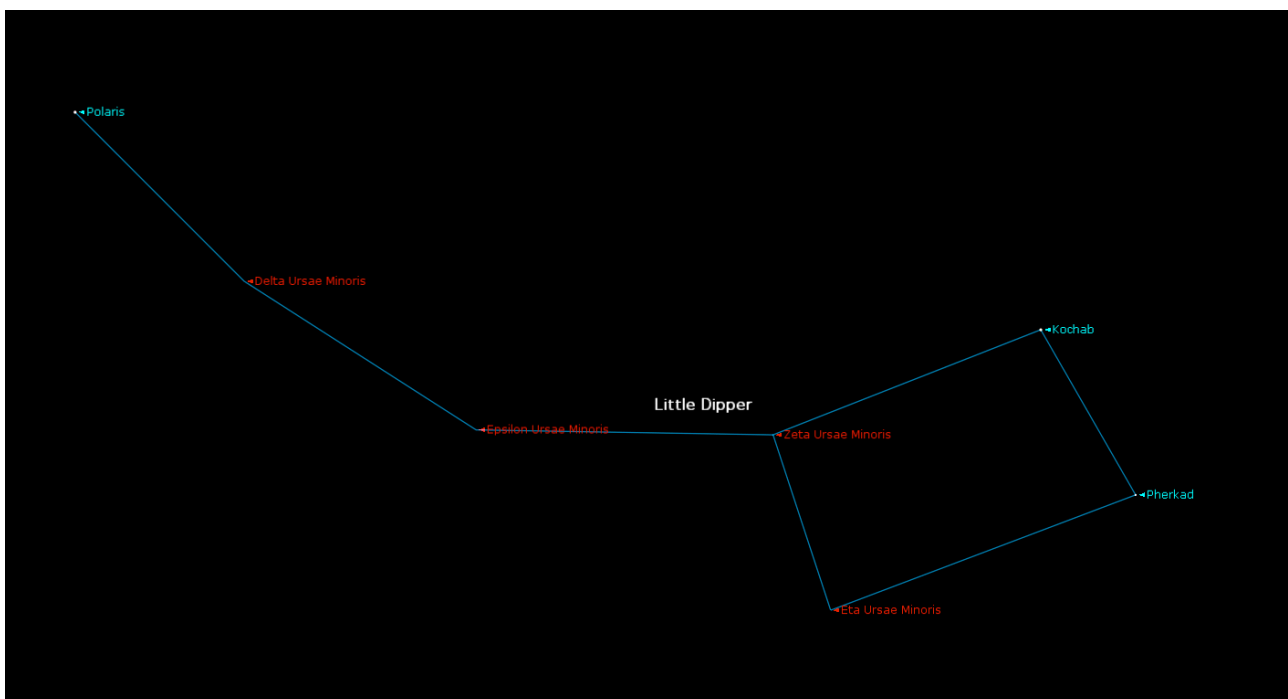
Kochab and Pherkad are often referred to as the "Guardians of the Pole" because they appear to march around Polaris like sentries.

Columbus mentioned these stars in the log of his famous journey across the ocean, and many other navigators have found them useful in measuring the hour of the night and their place upon the sea.

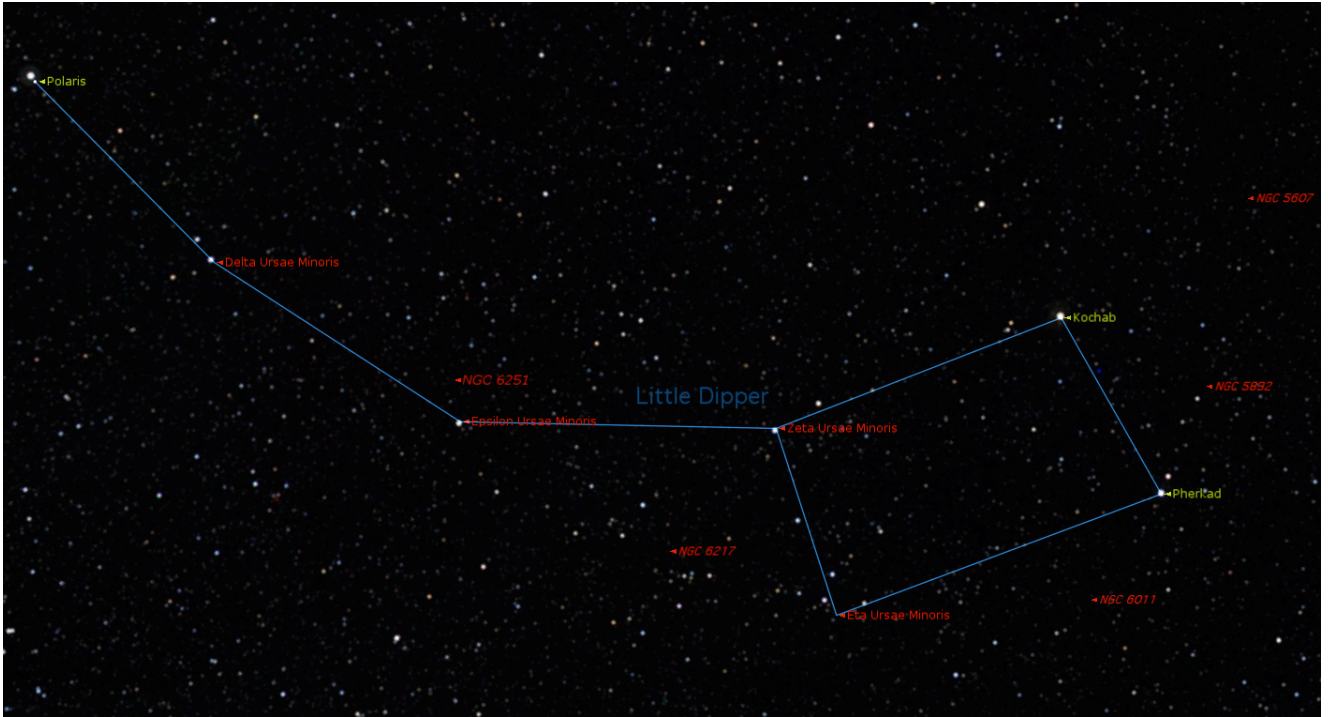
Asterism - An asterism is a distinctive pattern of stars or a distinctive group of stars in the sky.

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

THE STARS

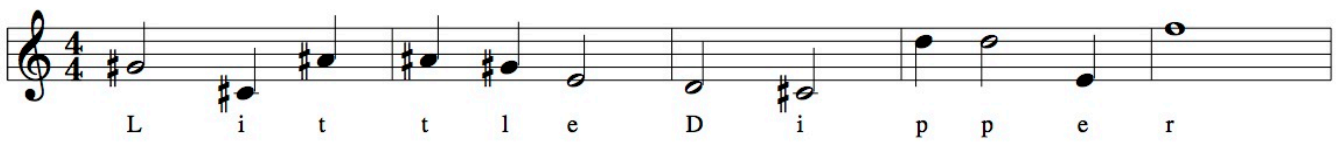


THE OBJECTS NEARBY

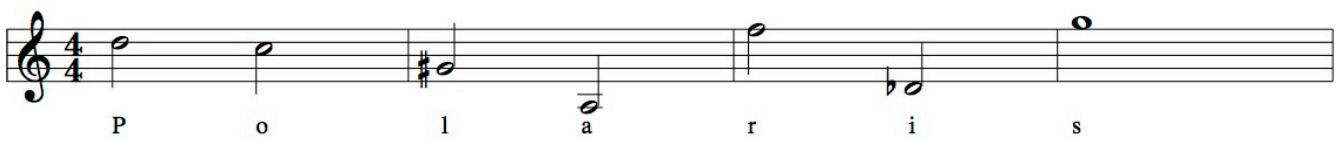


THE MAIN-THEMES FOR PIANO IN ASTERISM LITTLE DIPPER

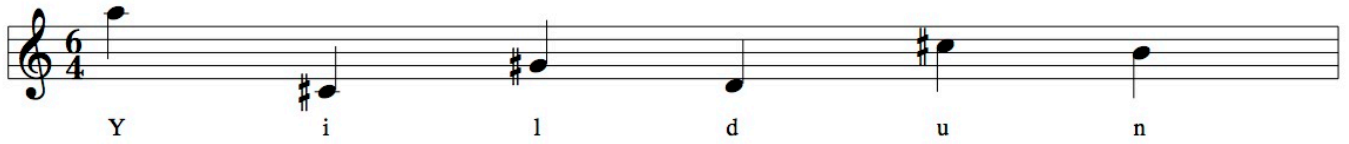
LITTLE DIPPER



POLARIS

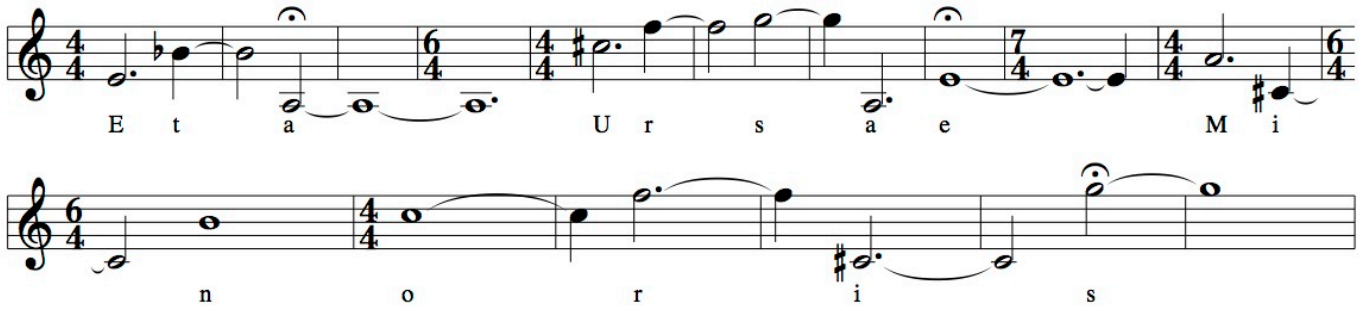


YILDUN



Y i l d u n

ETA URSAE MINORIS



E t a U r s a e M i
n o r i s

PERKAD - KOCHAB



P h e r k a d K o c h a b

THE MOTIVES FOR PIANO IN ASTERISM LITTLE DIPPER

URSAE MINORIS

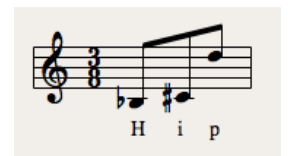
A BAYER / FLAMSTEED INDICATION



U r s a e M i n o r i s

HIP

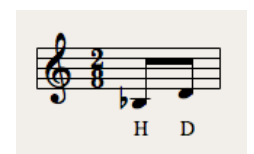
THE HIPPARCOS AND TYCHO CATALOGUES (VOL. 1-17)



H i p

HD

HENRY DRAPER CATALOGUE



H D

HR

HARVARD OBSERVATORY - THE BRIGHT STAR CATALOGUE



TYC

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



SAO

SMITHSONIAN ASTROPHYSICAL OBSERVATORY



THEMES USED IN LITTLE DIPPER

LITTLE DIPPER

THEMES USED IN POLARIS

POLARIS
ALPHA URSAE MINORIS
1 URSAE MINORIS
NORTH STAR
POLE STAR
HIP 11767
HD 8890
HR 424
TYC 4628-237-1

THEMES USED IN YILDUN

YILDUN
HIP 85822
VILDIUR
GILDUN
PHERKARD
DELTA URSAE MINORIS
23 URSAE MINORIS
TYC 4655-1053-1
HR 6789
SAO 2937
HD 166205

THEMES USED IN ETA URSAE MINORIS

ETA URSAE MINORIS
21 URSAE MINORIS
HIP 79822
TYC-4567-1764-1

THEMES USED IN PHERKAD - KOCHAB

PHERKAD
KOCHAB
GUARDIAN OF THE POLE
HIP 75097
HIP 72607
GAMMA URSAE MINORIS
BETA URSAE MINORIS
13 URSAE MINORIS
7 URSAE MINORIS
TYC 4414-2314-1
TYC 4416-1799-1