

The Digital Universe Definitions

COLLABORATORS

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Chapter 1

The Digital Universe Definitions

1.1 Definitions

Definitions are available in the following two categories:

- Astronomy
- Computers

1.2 Astronomical Terminology

- A.U.
- aberration
- absolute zero
- aether
- albedo
- altitude
- analemma
- annual
- angstrom
- apparent position
- aphelion
- apogee
- areographic
- asterism
- asteroid
- astronomical unit
- atomic time
- autumnal equinox
- azimuth
- Bayer designation
- belt
- binary star
- black hole
- blink comparator
- celestial equator
- celestial poles
- celestial sphere
- Centaur

Cepheid
chromosphere
circumpolar
cluster
cluster, globular
cluster, open (galactic)
comet
conjunction
conjunction, inferior
conjunction, superior
constellation
contact
convection
convection zone
core
corona
cosmology
counterglow
crescent
declination
deep sky
diurnal
doppler shift
dynamical time
earthshine
eclipse, annular
eclipse, lunar
eclipse, partial
eclipse, solar
eclipse, total
ecliptic
ecliptic coordinate system
ecliptic latitude
ecliptic longitude
eccentricity
ejecta blanket
elongation
ephemeris
ephemeris time
epoch
escape velocity
equation of time
equatorial coordinate system
filament
fireball
fission
Flamsteed number
flare
fusion
galactic coordinate system
galactic latitude
galactic longitude
galaxy
galaxy, Seyfert
gas giant planet
gegenschein
geocentric

gibbous
graben
granulation
GST
H-R diagram
heliocentric
heliographic
heliopause
horizon coordinate system
hour angle
Hubble's Law
hydrogen-alpha line
IAU
IC object
inclination
Julian Date
kelvin
Kuiper Belt
leap second
leap year
libration
light year
limb
limb darkening
local time
LST
LT
magnitude
magnitude, absolute
magnitude, apparent
magnitude, B-V
magnitude, limiting
magnitude, visual
meridian
messier object
meteor
meteor shower
meteorite
meteoroid
Milky Way
minor planet
nadir
naked eye
nebula
nebula, emission
nebula, absorption
nebula, planetary
nebula, reflection
neutron star
NGC object
nova
nova, recurrent
nutation
oblate
obliquity
occultation
Oort cloud

opposition
orbital elements
parallax
parallax, geocentric or diurnal
parallax, heliocentric or annual
parsec
penumbra
perigee
perihelion
perturbation
phase angle
photosphere
position angle
precession
prominence
proper motion
pulsar
quadrature
quasar
radiant
radiative zone
reflecting telescope
refracting telescope
refraction
retrograde
revolution
right ascension
rotation
rotation, differential
Saros
selenographic
semidiameter
semimajor axis
Seyfert galaxy
sidereal
sidereal time
solstice
spectrum
spectral classification
spicule
sunspot
supernova
synodic
System I
System II
System III
syzygy
TAI
TD
TDB
TDT
terminator
terrestrial planet
topocentric
transit
twilight
umbra

universal time (UT)
UT0
UT1
UTC
variable star
variable, Algol systems
variable, Beta Canis Majoris
variable, Beta Lyrae
variable, Cepheids
variable, Cluster
variable, Dwarf Cepheids
variable, Dwarf Eclipsing
variable, Dwarf Novae
variable, Ellipsoidal
variable, Flare stars
variable, Irregular
variable, Long period
variable, Lyrid systems
variable, Nova-like stars
variable, R Corona Borealis
variable, Recurrent Novae
variable, RR Lyrae
variable, RV Tauri
variable, Semi-regular
variable, SS Cygni
vernal equinox
white dwarf
year, anomalistic
year, Besselian (tropical)
year, eclipse
year, Gaussian
year, Gregorian
year, Julian
year, sidereal
zenith
ZHR
zodiac
zodiacal light
zone

1.3 Computer Terminology

gadget
hypertext
radio button

1.4 Aberration

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.5 Absolute Zero

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.6 Æther

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.7 Albedo

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.8 Altitude

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.9 Analemma

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.10 Annual

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.11 Angstrom

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.12 Apparent Position

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.13 Aphelion

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.14 Apogee

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.15 Areographic

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.16 Asterism

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.17 Asteroid

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.18 Astronomical Unit

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.19 Autumnal Equinox

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.20 Azimuth

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.21 Bayer designation

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.22 Belt

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.23 Binary Star

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.24 Black Hole

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.25 Blink Comparator

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.26 Celestial Equator

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.27 Celestial Poles

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.28 Celestial Sphere

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.29 Centaurs

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.30 Chromosphere

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.31 Globular Cluster

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1.32 Open Cluster

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.33 Comet

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.34 Conjunction

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1.35 Inferior Conjunction

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1.36 Superior Conjunction

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1.37 Constellation

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1.38 Contact

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.39 Convection

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1.40 Convection Zone

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1.41 Core

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.42 Corona

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1.43 Cosmology

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1.44 Crescent

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.45 Declination

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.46 Deep Sky

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.47 Diurnal

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.48 Doppler Shift

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1.49 Earthshine

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.50 Eclipse, Annular

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1.51 Eclipse, Lunar

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1.52 Eclipse, Partial

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.53 Eclipse, Solar

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.54 Eclipse, Total

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.55 Ecliptic

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1.56 Ecliptic Coordinates

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1.57 Ecliptic Latitude

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1.58 Ecliptic Longitude

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1.59 Eccentricity

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1.60 Ejecta Blanket

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1.61 Elongation

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1.62 Ephemeris

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1.63 Ephemeris Time (ET)

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1.64 Epoch

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.65 Escape velocity

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.66 Equation of Time

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1.67 Equatorial Coordinates

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1.68 Fireball

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1.69 Fission

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1.70 Flamsteed number

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1.71 Solar Flares

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1.72 Fusion

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1.73 Galactic Coordinates

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1.74 Galactic Latitude

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1.75 Galactic Longitude

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1.76 Galaxy

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1.77 Seyfert Galaxy

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1.78 Gas Giant Planet

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1.79 Gegenschein, or Counter glow

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1.80 Geocentric

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1.81 Gibbous

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1.82 Graben

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1.83 Granulation

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1.84 Heliocentric

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1.85 Heliographic

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1.86 Heliopause

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.87 Horizon Coordinate System

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.88 Hour Angle

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.89 Hubble's Law

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.90 Hydrogen Alpha line

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1.91 IAU (International Astronomical Union)

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.92 IC Objects

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.93 Inclination

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.94 Julian Date

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.95 Kelvin

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1.96 Kuiper Belt

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1.97 Leap Second

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1.98 Leap Year

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1.99 Libration

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1.100 Light Year

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.101 Limb

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1.102 Limb Darkening

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1.103 Magnitude

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1.104 Absolute Magnitude

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1.105 Apparent Magnitude

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1.106 B-V Magnitude

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1.107 Limiting Magnitude

This information is not provided with the demonstration version of "The Digital Universe". Please consult Ordering The Digital Universe for more information on how to obtain a registered version.

1.108 Visual Magnitude

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1.109 Meridian

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1.110 Messier Objects

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1.111 Meteor

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1.112 Meteor Shower

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1.113 Meteorite

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1.114 Meteoroid

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1.115 Milky Way

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1.116 Nadir

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1.117 Naked Eye

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1.118 Nebula

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1.119 Emission Nebula

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1.120 Absorption Nebula

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1.121 Planetary Nebula

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1.122 Reflection Nebula

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1.123 Neutron Star

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1.124 NGC Objects

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1.125 Nova

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1.126 Nutation

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1.127 Oblate

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1.128 Obliquity

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1.129 Occultation

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1.130 Oort Cloud

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1.131 Opposition

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1.132 Orbital Elements

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1.133 Parallax

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1.134 Geocentric, or Diurnal Parallax

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1.135 Heliocentric, or Annual Parallax

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1.136 Parsec

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1.137 Penumbra

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1.138 Perigee

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1.139 Perihelion

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1.140 Perturbation

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1.141 Phase Angle

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1.142 Photosphere

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1.143 Position Angle

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1.144 Precession

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1.145 Prominences and Filaments

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1.146 Proper Motion

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1.147 Pulsar

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1.148 Quadrature

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1.149 Quasar

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1.150 Radiant

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1.151 Radiative Zone

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1.152 Reflecting Telescope

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1.153 Refracting Telescope

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1.154 Refraction

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1.155 Retrograde

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1.156 Revolution

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1.157 Right Ascension

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1.158 Rotation

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1.159 Differential Rotation

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1.160 Saros

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1.161 Selenographic

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1.162 Semidiameter

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1.163 Semimajor Axis

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1.164 Sidereal

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1.165 Solstice

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1.166 Spectrum

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1.167 Spectral Classification

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1.168 Spicule

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1.169 Sunspot

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1.170 Supernova

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1.171 Synodic

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1.172 System I

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1.173 System II

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1.174 System III

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1.175 Syzygy

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1.176 Terminator

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1.177 Terrestrial Planet

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1.178 Topocentric

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1.179 Transit

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1.180 Twilight

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1.181 Umbra

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1.182 Variable Star

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1.183 Algol Systems

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1.184 Beta Canis Majoris variable

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1.185 Cepheids

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1.186 Circumpolar

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1.187 Cluster

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1.188 Dwarf Cepheid variable

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1.189 Dwarf Eclipsing variables

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1.190 Dwarf Novae, or SS Cygni variables

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1.191 Ellipsoidal variables

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1.192 Flare Stars

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1.193 Irregular variables

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1.194 Long period variables

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1.195 Lyrid systems, or Beta Lyrae variable stars

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1.196 Nova-like stars

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1.197 R Corona Borealis variables

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1.198 Recurrent Nova

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1.199 Cluster, or RR Lyrae variables

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1.200 RV Tauri variable

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1.201 Semi-regular variables

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1.202 Vernal Equinox

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1.203 White Dwarf

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1.204 Anomalistic Year

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1.205 Besselian (Tropical) Year

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1.206 Eclipse Year

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1.207 Gaussian Year

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1.208 Gregorian Year

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1.209 Julian Year

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1.210 Sidereal Year

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1.211 Zenith

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1.212 ZHR (Zenithal Hourly Rate)

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1.213 Zodiac

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1.214 Zodiacal light

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1.215 Zone

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1.216 Gadgets & Requesters

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1.217 Hypertext

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1.218 Radio Button

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