

The Digital Universe Definitions

COLLABORATORS

	<i>TITLE :</i> The Digital Universe Definitions		
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WRITTEN BY		April 18, 2022	

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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

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1.27 Celestial Poles

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1.28 Celestial Sphere

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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

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1.31 Globular Cluster

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1.32 Open Cluster

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1.33 Comet

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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

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.

1.43 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

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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

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1.48 Doppler Shift

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1.49 Earthshine

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1.50 Eclipse, Annular

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1.51 Eclipse, Lunar

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1.52 Eclipse, Partial

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1.53 Eclipse, Solar

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1.54 Eclipse, Total

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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

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1.65 Escape velocity

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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

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1.87 Horizon Coordinate System

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1.88 Hour Angle

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1.89 Hubble's Law

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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

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1.93 Inclination

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1.94 Julian Date

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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

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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

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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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