Phenology ESDR File Specification

The processed Phenology metrics are packaged into separated Scientific Data Sets (SDS) within a single HDF file. All SDS arrays are dimensioned [7200, 3600] to cover the globe at the 0.05^{o} spatial resolution in a latitude/longitude Climate Modeling Grid (CMG).

Data Set Characteristics

Temporal Coverage	1981 - 2010
Area	Global
File Size	~ 850 MB
Projection	Latitude/Longitude
Data Format	HDF-EOS
Dimensions	3600 x 7200 rows/columns
Resolution	0.05 degrees (5600 meters)
Science Data Sets (SDS HDF Layers)	18

Scientific Data Sets

Science Data Sets (HDF Layers) (18)	UNITS	BIT TYPE	FILL	VALID RANGE	MULTIPLY BY SCALE FACTOR
Start of Season	Day of the year	16-bit signed integer	-1	1-366	1
End of Season	Day of the year	16-bit signed integer	-1	1-366	1
Length of Season	Days	16-bit signed integer	-1	1-366	1
Day of Peak	Day of the year	16-bit signed integer	-1	1-366	1
Rate of Greening	VI/Day	16-bit signed integer	-1	> 0	0.0001
Rate Senescence	VI/Day	16-bit signed integer	-1	> 0	0.0001
Peak Green	Vegetation Index	16-bit signed integer	-1	> 0	0.0001
Start of Season 2	Day of the year	16-bit signed integer	-1	1-366	1
End of Season 2	Day of the year	16-bit signed integer	-1	1-366	1

Length of Season 2	Days	16-bit signed integer	-1	1-366	1
Day of Peak 2	Day of the year	16-bit signed integer	-1	1-366	1
Rate of Greening 2	VI/Day	16-bit signed integer	-1	> 0	0.0001
Rate Senescence 2	VI/Day	16-bit signed integer	-1	> 0	0.0001
Peak Green 2	Vegetation Index	16-bit signed integer	-1	> 0	0.0001
Cumulative Green	Vegetation Index	16-bit signed integer	-1	> 0	0.0001
Average Green	Vegetation Index	16-bit signed integer	-1	> 0	0.0001
Number of Seasons	Ordinal	8-bit signed integer	-1	> 0	1
Pixel Reliability	Rank	8-bit signed integer	-1	> 0	1