

NDVI

The Normalized Difference Vegetation Index (NDVI) can be used to measure and monitor plant growth, vegetation cover, and biomass production. It is a dimensionless variable. The values vary between -1 and 1. Increasing positive NDVI values indicate increasing amounts of green vegetation. Moderate values represent shrub and grassland (0.2 to 0.3), while high values indicate temperate and tropical rainforests (0.6 to 0.8). NDVI values near zero and decreasing negative values indicate non-vegetated features such as barren surfaces (rock and soil) and water, snow, ice, and clouds.

Properties

Data	
Sensor:	SPOT/PROBA-V
Since:	01-04-1998
Spatial Resolution:	1 KM
Temporal Resolution:	10 day
Extent:	Eastern Africa
Format:	Geotiff

Derived products

Derived sub-product	Description	Available
ndvi-linearx2	Filtered NDVI (linear filtering applied twice)	since 1/1/2011
10davg-linearx2	Statistic: AVG of ndvi-linearx2	36 dekads
10dmin-linearx2	Statistic: MIN of ndvi-linearx2	36 dekads
10dmax-linearx2	Statistic: MAX of ndvi-linearx2	36 dekads
10dmed-linearx2	Statistic: MED of ndvi-linearx2	36 dekads
10dstd-linearx2	Statistic: MED of ndvi-linearx2	since 1/1/2011
10ddiff-linearx2	Anomaly: DIF of ndvi-linearx2	since 1/1/2011
10dsndvi-linearx2	Anomaly: SNDVI of ndvi-linearx2	since 1/1/2011
10dperc-linearx2	Anomaly: PERC of ndvi-linearx2	since 1/1/2011
linearx2difflinearx2	Anomaly: Absolute Difference (ndvi-linearx2 -10davg-linearx2)	since 1/1/2011
vci-linearx2	Anomaly: VCI (linearx2 vs. linearx2 statistics)	since 1/1/2011
icn-linearx2	Anomaly: ICN (linearx2 vs. linearx2 statistics)	since 1/1/2011
ratio-linearx2	Anomaly: Ratio (100 * ndvi-linearx2/10davg-linearx2)	since 1/1/2011
monndvi	Indicator: monthly NDVI (from ndvi-linearx2)	since 1/1/2011
1monavg	Statistic: monthly multi-year average NDVI (from ndvi-linearx2)	12 months
1monmin	Statistic: monthly multi-year min NDVI (from ndvi-linearx2)	12 months
1monmax	Statistic: monthly multi-year max NDVI (from ndvi-linearx2)	12 months
1monicn	Statistic: monthly std NDVI (from ndvi-linearx2)	since 1/1/2011
1monvci	Statistic: monthly VCI NDVI (from ndvi-linearx2)	since 1/1/2011
1monstd	Statistic: monthly std NDVI (from ndvi-linearx2)	since 1/1/2011
1mondiff	Anomaly: monthly diff NDVI (from ndvi-linearx2)	since 1/1/2011
1monperc	Anomaly: monthly perc NDVI (from ndvi-linearx2)	since 1/1/2011
1monsndvi	Anomaly: monthly SNDVI (from ndvi-linearx2)	since 1/1/2011
monthly-ratio	Anomaly: monthly ratio (100*monndvi/1monavg)	since 1/1/2011
ndvi-linearx1	Filtered NDVI (linear filtering)	since 1/1/2011
year-min-linearx2	Statistic: ndvi-linearx2 minimum over every year	since 2011
year-max-linearx2	Statistic: ndvi-linearx2 maximum over every year	since 2011
absol-min-linearx2	Statistic: ndvi-linearx2 overall minimum	1 file
absol-max-linearx2	Statistic: ndvi-linearx2 overall maximum	1 file
baresoil-linearx2	Bare-soil indicator from ndvi-linearx2	since 1/1/2011
diff-linearx2	Anomaly: Absolute Difference. (ndv - 10davg-linearx2)	since 1/1/2011
vci	Anomaly: VCI (ndv vs. linearx2 statistics)	since 1/1/2011
icn	Anomaly: ICN (ndv vs. linearx2 statistics)	since 1/1/2011