TAMSAT RFE Datasheet

The TAMSAT RFE imagery uses TIR images to derive the Cold Cloud Duration (CCD) and rain gauge measurements to infer rain precipitations. The calibration of data is done by using historical timeseries and the approximate horizontal resolution is of 4 km. These products provide input for hydrological and agrometeorological models as well as climate information e.g. compare the current state of rainfall with previous time periods.

Properties

Sensor:	Combination
Since:	01-01-2011
Spatial Resolution:	4 KM
Temporal Resolution:	10 day, monthly
Extent:	Eastern Africa
Format:	Geotiff
Source:	JRC via MESA stations

TAMSAT RFE products available

Derived products	Description	Available
10d	Precipitation estimates over 10 days	since 1/1/2011
10davg	Statistic: multi-years average for each dekad	36 dekads
10dmin	Statistic: multi-years minimum for each dekad	36 dekads
10dmax	Statistic: multi-years maximum for each dekad	36 dekads
10ddiff	Anomaly: ABSOLUTE DIFFERENCE (10d – 10davg)	since 1/1/2011
10dratio	Anomaly: RELATIVE RATIO to LTA % (10d/10davg)	since 1/1/2011
10dperc	Anomaly: RELATIVE DIFFERENCE % ((10d – 10davg)/10davg)	since 1/1/2011
10dnp	Anomaly: Normalized Precipitation (10d-10dmin)/(10dmax-10dmin)	since 1/1/2011
1moncum	Cumulated 10day RFE over each month	since 1/1/2011
1monavg	Statistic: multi-years average for each month	12 months
1monmin	Statistic: multi-years minimum for each month	12 months
1monmax	Statistic: multi-years maximum for each month	12 months
1mondiff	Anomaly: ABSOLUTE DIFFERENCE (1moncum-1monavg)	since 1/1/2011
1monperc	Anomaly: RELATIVE DIFFERENCE (1moncum-1monavg)/1monavg	since 1/1/2011
1monnp	Anomaly: Normalized Precipitation (1moncum-1monmin)/(1monmax-1monmin))	since 1/1/2011