



LAI Datasheet

LAI is the ratio of total upper leaf surface of green vegetation divided by the surface area of the land on which the vegetation grows. It represents the size of the interface between the plant and the atmosphere for energy and mass exchanges processes. It is thus of prime interest for energy balance, photosynthesis, transpiration and litter production. It is a dimensionless variable [m²/m²], typically ranging from 0 for a bare ground to 6 for a dense forest.

Properties

| | |
|-----------------------------|-----------------------|
| Sensor: | SPOT/PROBA-V |
| Since: | 11/5/2015 |
| Spatial Resolution: | 1 KM |
| Temporal Resolution: | 10 day, monthly |
| Extent: | Eastern Africa |
| Format: | Geotiff |
| Source: | JRC via MESA stations |

LAI products available

| Derived products | Description | Available |
|------------------|--|-----------------|
| lai | 10day lai | since 11/5/2015 |
| 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 11/5/2015 |
| 10dperc | Anomaly: RELATIVE DIFFERENCE % ((10d - 10davg)/10davg) | since 11/5/2015 |
| 10dratio | Anomaly: RELATIVE RATIO to LTA % (10d/10davg) | since 11/5/2015 |