

ARD sets from Resourcesat-2/2A: L-3

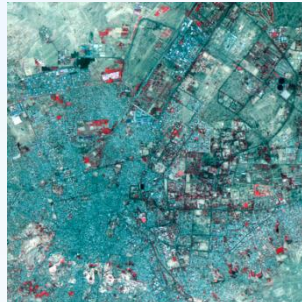
Analysis Ready Data(ARD): An easy-to-use satellite data that have been processed to a minimum set of requirements and organized into a form that allows immediate analysis with a minimum user effort. ARD data sets are Multi dimensional, Multi temporal, multi sensor data cube in which each pixel is harmonized in-terms of geometry and radiometry.

The Decadal archives from Indian RESOURCESAT-2(RS-2) series sensor data is a potential resource for long term terrestrial monitoring and support decision-making with quantified temporal information. Seamless combinations RS2/2A in the form of ARD will improve the temporal resolution from 24 to 12 days. A hierarchical normalization (harmonization) framework was adopted to achieve radiometric normalization between RS2 & 2A images towards building analysis ready data (ARD).

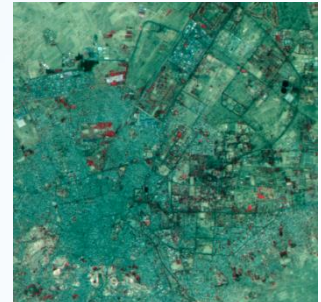
ARD pack contains Top of Atmosphere (TOA) , Surface Reflectance & Metadata layers for each temporal image.

Amount of agreement of RS-2 ARD pack is better than 90% with contemporary Landsat-OLI and Sentinel-MSI datasets.

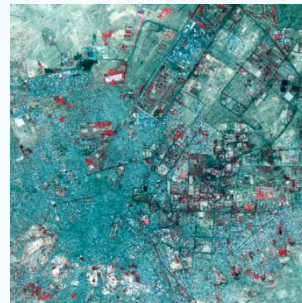
Customized ARD products can be provided to users on demand.



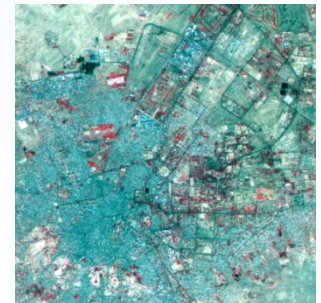
RS-2A : L-3 : NATIVE



RS-2 : L-3 : NATIVE



RS-2A : L-3 : ARD



RS-2 : L-3 : ARD

Image File Format	:Geo TIFF
Projection	:UTM
Datum	: WGS-84
Spatial Resolution	:24m
Radiometric Correction	: Top of Atmosphere (TOA) & Surface Reflectance
Geometric Correction Level	: Terrain corrected
Number of bands	: 4

Web links:

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