



VanderSat can observe inundation with satellites on any given spot on earth. It is also known as flooding. We detect it with satellites. There is no issue with clouds or darkness interference.

Benefits

- Flooding is a significant type of disaster that modern society is exposed to, affecting hundreds of thousands of people each year. Inundation maps help.
- Ideal for generating insights into flooding, crop damage assessment, insurance underwriting and water management.
- Used by the Dutch Water Authorities for damage assessment and water management.

Specifications

Product name	VanderSat Inundation
Unit	binary
Observed	flooding
Pixel resolution	10 x 10 meter
Temporal resolution	3 – 6 day observation interval
Data availability	2015 - present
File format	GeoTiff (images), csv (time series)
Data delivery	OneSat API
Data viewer	OneSat Viewer

Satellite Observed Inundation

VanderSat is a leading global provider of satellite observed water and temperature data, products and services. Using our proprietary satellite technology we work with the world's leading organizations to solve their water related challenges. From farmers to water authorities: we understand the crucial role water plays.

About VanderSat

At VanderSat we have developed a method to provide accurate high-resolution inundation/flooding data at any place on earth by applying satellite remote sensing.

By combining observations from different satellites, VanderSat is able to retrieve crucial information about the inundation. We see flooding with satellites and know the crucial role that it plays in crop yields, flash floods, droughts and other natural phenomena.

Key Features

- **Operational Service on inundation**
 - ✓ Global dataset
 - ✓ No cloud or darkness interference
- **Spatio-temporal resolution**
 - ✓ 10 x 10 meter
 - ✓ 3-6 day observation interval
- **Near Real Time (NRT) data**
 - ✓ Available within 4-24 hours after overpass of satellite
- **Time series**
 - ✓ Available from 2015 onwards
- **High quality data**
 - ✓ No maintenance. Low costs when compared to drone, field or helicopter observations.