

# ALOS PALSAR

## Documentation

### PALSAR Documentation

Name	Description
<a href="#">ALOS Data Users Handbook, 2008</a>	Overview of the ALOS Project and related technical information on satellites and land systems
<a href="#">ALOS User Guide</a>	Overview, products, product format, operations
<a href="#">PALSAR Product Format</a>	Detailed L1.1 and L1.5 product format description
<a href="#">PALSAR Level 1.0 Product Format Description (ZIP file)</a>	Detailed L1.0 product format description

### Radiometrically Terrain-Corrected (RTC) Documentation

Name	Description
<a href="#">RTC Product Guide (2015)</a>	Guide for radiometrically terrain-corrected products.
<a href="#">RTC Product Specification (2014)</a>	This product format specification defines standard terrain-corrected products generated at ASF. It contains the definition for the ISO-compliant XML metadata.
<a href="#">RTC ATBD (2015)</a>	Algorithm Theoretical Basis Document: Provides the theoretical background of the algorithms and processing flows used for the generation of terrain-corrected products processed by ASF.

## Software Tools

### ALOS PALSAR Software Tools

Name	Description
<a href="#">MapReady, ASF Data Tools</a>	Terrain correct, geocode, and apply polarimetric decompositions to multi-pol SAR data



Name	Description
<a href="#">Convert to Vector, ASF</a>	Transform point or scene information to formats compatible with Google Earth, GIS, and more
<a href="#">Other Software Tools</a>	Access a variety of tools for viewing, analyzing, and processing radar data

## GIS Platforms

### ALOS PALSAR GIS Platforms

RTC GeoTIFF products are readily visualized in GIS programs such as ArcGIS or QGIS.

Name	Description
<a href="#">QGIS: open source</a>	Windows, Mac, Linux, BSD
<a href="#">ArcGIS: commercial software</a>	Windows, Linux

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## Processors

### ALOS-PALSAR – PALSAR Processor

PALSAR Processor versions used to process data at ASF.

Processing Dates	Processor Version	JAXA Calibration Result as of (MM-DD-YYYY)
April 18, 2007- April 26, 2007	3.00	<a href="#">10-23-2006</a> <a href="#">3-29-2007</a>
April 27, 2007- March 17, 2008	4.00	<a href="#">3-29-2007</a> <a href="#">9-28-2007</a>
March 18, 2008 – June 12, 2008	4.03	<a href="#">9-28-2007</a>
June 13, 2008 – February 3, 2009	5.00	<a href="#">9-28-2007</a>

Processing Dates	Processor Version	JAXA Calibration Result as of (MM-DD-YYYY)
February 4, 2008 – ?	5.04	<u>9-28-2007</u>  <u>7-1-2009</u>
September, 2013	6.07	<u>9-6-2011</u>

### ALOS-PALSAR – Optical Processor

Optical Processor versions used to process data at ASF.

Processing Dates	Processor Version	JAXA Calibration Result as of (MM-DD-YYYY)
April 18, 2007- April 26, 2007	3.00	<u>10-23-2006</u>  <u>3-29-2007</u>
April 27, 2007- March 30, 2009	4.01	<u>3-29-2007</u>  <u>9-28-2007</u>
March 31, 2009 – February 3, 2010	5.02	<u>9-28-2007</u>  <u>7-1-2009</u>
February 4, 2010 – January 18, 2011	5.09	<u>7-1-2009</u>
January 18, 2011 – Present	6.03	<u>7-1-2009</u>