

# MISR RCCM Products

## Radiometric Camera-by-camera Cloud Mask (RCCM)

[Processing Status Level 1](#) | [Processing Status Level 2](#)

ESDT	Product File Name Prefix	Current Quality Designations
MIRCCM MIRCCMF MISQA MISQAF	MISR_AM1_GRP_RCCM, MISR_AM1_GRP_RCCM_FIRSTLOOK MISR_AM1_GRP_RCCM_QA, MISR_AM1_GRP_RCCM_QA_FIRSTLOOK	<b>Stage 3 Validated:</b> Radiometric Camera-by-camera Cloud Mask (RCCM)  <a href="#">MISR maturity level definitions</a>   <a href="#">Quality Summary L2 Cloud Products</a>

Note: The RCCM was a part of the Level 1 software until file version F03\_0023 and therefore shared the same version numbers as the GRP\_ELLIPSOID and GRP\_TERRAIN data products. Only those Level 1 deliveries that include RCCM updates are listed below.

Ver. #	Production Start Date	Product Updates	Quality Transition
<b>Current</b> F04_0025	06/01/2007	<p><a href="#">Data Product Specification Rev P</a> (PDF).</p> <p>1. This versions marks the beginning of FIRSTLOOK vs. FINAL processing. 2. Introduced new thresholds that are now derived from the RCCM runs for a particular season/year. Land thresholds are no longer static.</p> <p>New ancillary files:</p> <p>MISR_AM1_RCCT_SEAS_CAM_TXXX_F02_0004.hdf</p>	<b>Stage 3 Validated:</b> RCCM
F04_0024	05/13/2005	<p><a href="#">Data Product Specification Rev M</a> (PDF).</p> <p>1. Added new inland water class for RCCM calculation and changed threshold and surface classification datasets accordingly. Modified land second observable so it's the same as for the water classes. Using new seasonal-baseline thresholds generated by "superhistogram" project. 2. Calibration was updated for the entire mission.</p> <p>New ancillary files:</p> <p>MISR_AM1_CSSC_F01_05.hdf MISR_AM1_RCCT_XSEAS_XCAM_TXXX_F02_0003.hdf MISR_AM1_ARP_INFLTCAL_TXXX_F02_0010.hdf</p>	<p><b>Stage 2 Validated:</b>RCCM over ice-free ocean <b>Stage 1 Validated:</b>RCCM over snow and ice-free land</p>
F03_0023	11/28/2004	<p><a href="#">Data Product Specification Rev L</a> (PDF).</p> <p>Removed RCCM algorithm to its own PGE. Rebuilt software on Irix 6.5.2 OS.</p> <p>New ancillary files (Improved Radiometric Calibration):</p> <p>MISR_AM1_ARP_INFLTCAL_TXXX_F02_0010.hdf</p>	
F03_0022	02/04/2004	<p><a href="#">Data Product Specification Rev K</a> (PDF).</p> <p>A new suite of ARP_INFLTCAL files containing a change to the MISR band-to-band calibration is in use.</p>	
F03_0021	12/08/2003	<p><i>Version F03_0021 was removed from the archive because it contained radiometric errors.</i> <b>Do not use!</b></p>	
F02_0019	08/13/2003	<p><a href="#">Data Product Specification Rev J</a> (PDF).</p> <p>Added ProductVersion Attribute to metadata of all products.</p> <p>New ancillary files:</p> <p>MISR_AM1_RCCM_CONFIG_XCAM_F02_02.ascii</p>	

Ver. #	Production Start Date	Product Updates	Quality Transition
F02_0017	12/27/2002	<p><a href="#">Data Product Specification Rev G (PDF)</a>.</p> <p>Transparent robustness upgrade, and a small change to RCCM logic.</p> <p>New ancillary files:</p> <p>GRP_CONFIG_F06_03</p>	
F01_0013	05/21/2002	<p><a href="#">Data Product Specification Rev E (PDF)</a>.</p> <p>Uses updated version of ocean thresholds to generate RCCM products of "Provisional" quality over ocean only.</p> <p>New ancillary files:</p> <p>MISR_AM1_RCCT_SEAS_XCAM_TXXX_F01_0005.hdf</p>	<b>Provisional:</b> RCCM-ocean
F01_0011	02/05/2002	<p><a href="#">Data Product Specification Rev D (PDF)</a>.</p> <p>More transparent fixes to cloud mask algorithm relating to overflow/underflow during Hits statistics collection. Lower-bounds and bin-widths used in the histogram generations updated. Also, increased sun glint cone angle from 30 degrees to 40 degrees which will increase area of sun glint contamination in the RCCM parameter "glitter mask."</p> <p>New ancillary files:</p> <p>MISR_AM1_RCCI_XCAM_F01_03.hdf MISR_AM1_RCCM_CONFIG_XCAM_F02_01.ascii</p>	<b>Beta:</b> RCCM
F01_0010	12/03/2001	<p><a href="#">Data Product Specification Rev D (PDF)</a>.</p> <p>Transparent fix to cloud mask algorithm. Fixes relative azimuth angle bug in RCCH statistics collection.</p>	
F01_0009	09/27/2001	<p><a href="#">Data Product Specification Rev D (PDF)</a>.</p> <p>Improved Spring and Water RCCM thresholds. Format changes only to the RCCI. b-param values in the CSSC (used to calculate the RCCM observable values have been fixed).</p> <p>New ancillary files:</p> <p>MISR_AM1_RCCT_SPR_XCAM_TXXX_F01_03.hdf MISR_AM1_RCCI_XCAM_F01_02.hdf MISR_AM1_CSSC_T001_F01_03.hdf</p>	<b>Provisional:</b> FM_SCI
F01_0006	12/21/2000	<p>Adds LocalGranuleIDs of all inputs to product annotation. Uses new version string scheme. Provides full local mode site name in metadata.</p> <p>New ancillary files:</p> <p>MISR_AM1_ARP_INFLTCAL_T002_F02_0005.hdf</p>	
<b>Baseline:</b> 01	06/21/2000	<p>First version of RCCM. Pre-launch threshold values are used.</p> <p>New ancillary files:</p> <p>MISR_AM1_ARP_INFLTCAL_T002_F01_003.hdf MISR_AM1_ARP_CONFIG_F01_001.hdf MISR_AM1_ARP_PRFLTCAL_F01_003.hdf MISR_AM1_ARP_PRFLTCHAR_F01_001.hdf MISR_AM1_AGP_Pxxx_F01_24.hdf MISR_AM1_RCCT_SPR_xCAM_T001_F01_01.hdf MISR_AM1_CSSC_F01_02.hdf</p>	<b>Alpha:</b> RCCM