

CIRS TITAN NOTEBOOK

Foreword

The purpose of the target notebook is to provide the end user with a “one stop shop” for information about the target from a CIRS perspective – from the planning of each observation and its science intent to collection of the data and its quality. The goal of this effort is to enable better use of the CIRS dataset archived at the Planetary Data System.

The notebook contains the following sections: Introduction, Planning, Data Collection, Database Contents, and Publications/Science Research generated by the dataset. The Introduction section discusses the science objectives, descriptions of the observation types and their intent. The Planning section contains a time ordered listing of all the observations planned with a suite of supporting files that provide plots, pointing, and instrument commanding for each observation. The Data Collection section provides the user with information about the data that was collected with a comparison to what was planned and a commentary on any lost data. The Database contents section provides a discussion of the data in the database at PDS at a high level – what was calibrated, what was not, and why as well as a brief commentary the challenges in calibrating the data. The final section – Publications/Science Research provides the user with a list of publications for the target, a high level description of the science analysis undertaken with contact information for those CIRS team members involved.

Introduction

CIRS Observations of Titan 2004-2017: Time-Ordered Lists and Spatial Coverage

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1.0 Introduction

Although a significant amount of science is done by CIRS (Composite InfraRed Spectrometer) at large distances from Titan, the extended fields-of-view of the instrument mean that the greatest spatial resolution is achieved at the smallest ranges, in flybys of Saturn's largest moon. Within approximately ± 1 day of closest approach, the TOST (Titan Orbiter Science Team) working group is responsible for allocating the time-line on all of the targeted flybys of Titan in the Cassini mission (45 in the Prime Mission, 25 in the Extended Mission, 56 in the Solstice Mission). Due to high competition with other instruments for the time <5 hours from closest approach, most of the CIRS allocations are further out, and consist of a series of planned observation types, each of which occur within a specified range from Titan (see Figure 1.)

The CIRS instrument consists of two interferometers, sharing a common telescope and scan mechanism. They operate in the far-infrared ($10\text{-}600\text{ cm}^{-1}$) and mid-infrared ($600\text{-}1400\text{ cm}^{-1}$) with a controllable apodized spectral resolution as high as 0.5 cm^{-1} . The far-IR interferometer (focal plane 1 or FP1) has a circular field-of-view (FOV), which subtends 3.9 milliradians, and the mid-IR interferometer has two focal plane arrays (FP3 and FP4), each consisting of ten detectors with 0.273 milliradian FOV per pixel.

Due to the nature of the focal planes, different pointing designs are required for study in the mid-IR and far-IR, and the varying science requirements of the mission put constraints on the spectral resolution required. This, along with constraints of time and the performance of the Cassini spacecraft has led to the CIRS team using a selection of different observation types within TOST periods, each of which has specific science objectives (Table 1). This document outlines each observation type, detailing briefly the scientific objectives in each case, and gives a description of how the focal planes are orientated and articulated throughout. Also included are tables which list all of the CIRS-led requests of each type, the times at which they occur and any relevant pointing information. Locations chosen for each request were done so to a vast set of criteria, but in general the limb observations are centred around 'points of least blur' (see Appendix), and nadir observations are constrained by the visible hemisphere and emission angle. In all cases every effort has been made to ensure comprehensive spatial coverage of Titan of the duration Cassini's primary tour. Where applicable, an attempt to represent spatial coverage by CIRS diagrammatically has also been made.

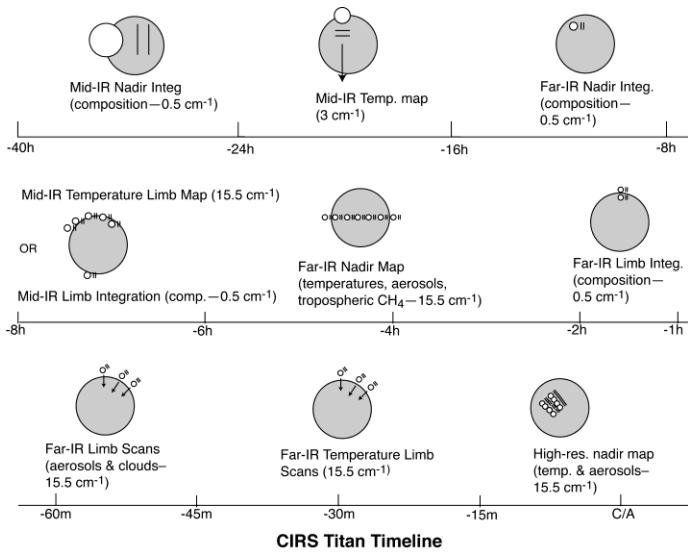


Table 1: CIRS Early/Prime Mission Observation Types

| Observation Type | Time to/from CA (HH:MM) | Distance to/from CA (km) | Typical Duration (HH:MM) | Scan Rate (μrad s ⁻¹) | Spectral Resol. (cm ⁻¹) | Science Objective | Positioning/Implementation |
|------------------|-------------------------|--------------------------|--------------------------|-----------------------------------|-------------------------------------|-------------------|----------------------------|
|------------------|-------------------------|--------------------------|--------------------------|-----------------------------------|-------------------------------------|-------------------|----------------------------|

Far-Infrared Types

| | | | | | | | |
|---------|------------------|----------|----------------|----|------|--|--|
| FIRLMBT | ±00:15 to ±00:45 | < 15,000 | 00:30 to 00:45 | 43 | 15.5 | Temperature profile from N ₂ at 20-100 cm ⁻¹ . | Z perpendicular to limb, one or more latitude, 10° separation. |
|---------|------------------|----------|----------------|----|------|--|--|

| | | | | | | | |
|-----------|------------------|------------------|----------------|----|------|--|--|
| FIRLMBAER | ±00:45 to ±01:15 | 15,000 to 25,000 | 00:30 to 00:45 | 55 | 15.5 | Aerosol opacity 250-600 cm ⁻¹ . | FP1 at -120 km scanned towards 480 km. |
|-----------|------------------|------------------|----------------|----|------|--|--|

| | | | | | | | |
|-----------|------------------|------------------|-------|-----|-----|--|---|
| FIRLMBINT | ±01:15 to ±02:15 | 25,000 to 40,000 | 01:00 | N/A | 0.5 | CH ₄ , HCN, CO, and H ₂ O. | Z Perpendicular to limb, 125 and 225 km altitude. |
|-----------|------------------|------------------|-------|-----|-----|--|---|

| | | | | | | | |
|---------------------------|-------------------|-------------------|-------|---|------|---|------------------------|
| FIRNADMAP (or EUVFUV*) | ~±02:15 to ±05:00 | 40,000 to 100,000 | 03:00 | 7 | 15.5 | Tropospheric temperatures at 40—200 mbar. | Slow slew across disk. |
|---------------------------|-------------------|-------------------|-------|---|------|---|------------------------|

| | | | | | | | |
|-----------|------------------|--------------------|----------------|-----|-----|-------------------------------|--|
| FIRNADCMP | ±08:00 to ±13:00 | 160,000 to 270,000 | 00:30 to 00:45 | N/A | 0.5 | CH ₄ , HCN and CO. | FP1 at fixed position on disk, ideally about 1/3 |
|-----------|------------------|--------------------|----------------|-----|-----|-------------------------------|--|

Table 2: CIRS Late Mission/Evolved Additional Observation Types

| Observation Type | Time to/from CA (HH:MM) | Distance to/from CA | Duration (HH:MM) | Turn Rate? Scan Rate? | Spectral Resol. (cm ⁻¹) | Objective | Positioning |
|----------------------------|-------------------------|-----------------------|----------------------------------|-----------------------|-------------------------------------|---|--|
| FIRLMBAER (revised) | | | | | | | |
| FIRLMBCON | ±01:15 to ±02:15 | 25,000 to 40,000 km | 01:00 | N/A | 3.0 | Ices/condensates in range 250-600 cm ⁻¹ . | Z perpendicular to limb, 125, 175, 225 km altitudes. |
| FIRLMBWTR | ±01:15 to ±02:15 | 25,000 to 40,000 km | 01:00 | N/A | 0.5 | Weak water lines at 100-300 cm ⁻¹ . | Z perpendicular to limb, 175 altitude. |
| MIRLMPAIR | ±05:00 to ±09:00 | 100,000 to 180,000 km | 2 to 4 hrs (2hr per altitude) | N/A | 0.5 | Integration/search for undetected trace gases and isotopes. | FP3 and FP4 at 125 and 225 km. |
| TEA | ±40:00 to | 800,000 to | 12:00 to | N/A | 0.5 | Distant rider | |

2.0 Far-Infrared Limb Observations

2.1 Observation Descriptions

2.1.1 Far-infrared Limb Temperature Sounding (FIRLMBT)

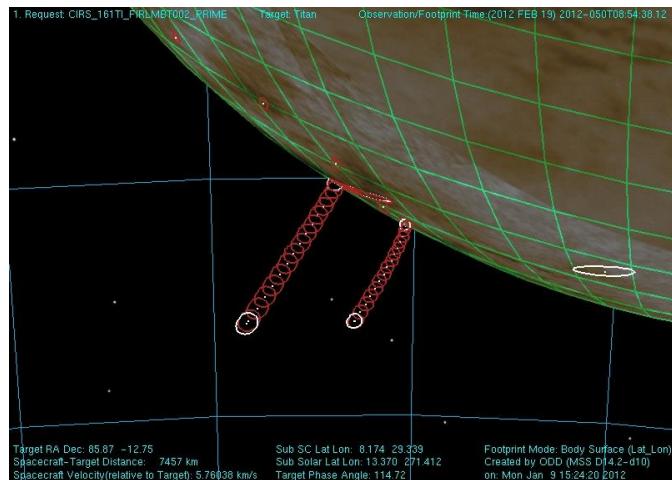
2.1.1.1 Science Description

FIRLMBT observations are intended to obtain information on the thermal structure of Titan's lower stratosphere and tropopause by measurements of the N₂ collision-induced absorption lines at 20-100 cm⁻¹, using the CIRS far-infrared focal plane (FP1). Radial slews perpendicular to the limb are performed with a spectral resolution of 15.0 cm⁻¹, allowing profiles of temperature between 8 and 100 mbar to be obtained.

2.1.1.2 Implementation

FIRLMBT observations typically occur between ±45 and ±15 minutes of closest approach, at ranges of less than 15,000 km. FIRMBT sequences are the closest to Titan of the FIRLMB triplet and often must absorb turn time to/from the closest approach pointing, with duration of 30 to 45 minutes. Although originally envisaged to be triplet, the scans were implemented as a pair due to turn overhead, separated by 10 degrees of latitude, or sometimes a single scan. Short durations and rapidly changing geometry prevent slow slew rates and higher resolution, but an effective rate on the limb of 50 µrads⁻¹ or less and a length of 28 mrad ensures adequate signal-to-noise for the required objectives. The effects of unresolved rotational lines in the spectra are corrected by the use of far-infrared limb integrations acquired at a spectral resolution of 0.5 cm⁻¹.

2.1.1.3 Example: CIRS_161TI_FIRLMBT002_PRIME



Comment [AMA1]: New document had 50urad/sec

2.1.2 Far-infrared Limb Aerosol Scan (FIRLMBAER)

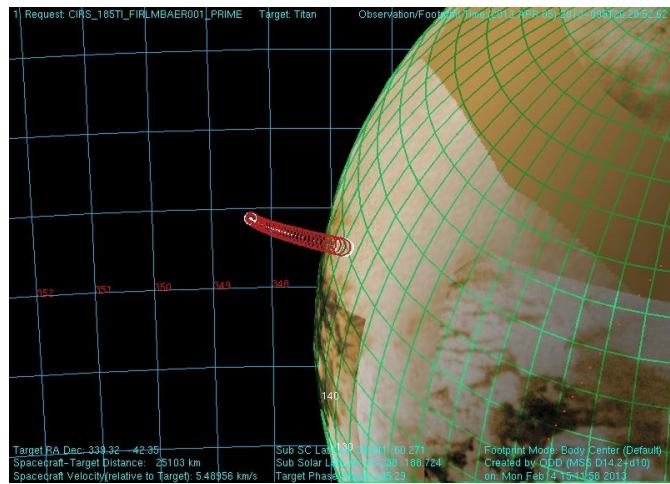
2.1.2.1 Science Description

FIRLMBAER observations are purposed to distinguish aerosols from clouds with spectra in the range $250\text{-}600\text{ cm}^{-1}$, using the CIRS far-infrared focal plane (FP1). This is possible due to the wavenumber-dependence of condensate opacity, which enables distinguishing the abundances of the two as a function of latitude. This is important for determining Titan's weather and climatology, and for determining tropospheric abundances and surface temperatures from nadir-viewing observations.

2.1.2.2 Implementation

FIRLMBAER observations occur at spacecraft positions on the order of 15,000 to 25,000 km, or between $\pm 0:45$ and $\pm 1:15$ from closest approach. The circular far-infrared focal plane (FP1) is positioned first at -120 km, and then in one scan it is shifted towards +480 km (adjust scan lengths by around 30 mrad). Scan rates should be ideally 17 but up to 21 $\mu\text{rad/sec}$ (slower scan rates are preferred).

2.1.2.3 Example: CIRS_185TI_FIRLMBAER001_PRIME



This is an example FIRLMBAER observation: note the FOV of FP1 in red decreasing in size as the altitude is increased; this is due to the changing spacecraft position over the observation duration.

2.1.3 Far-infrared Limb Composition Integration (FIRLMBINT)

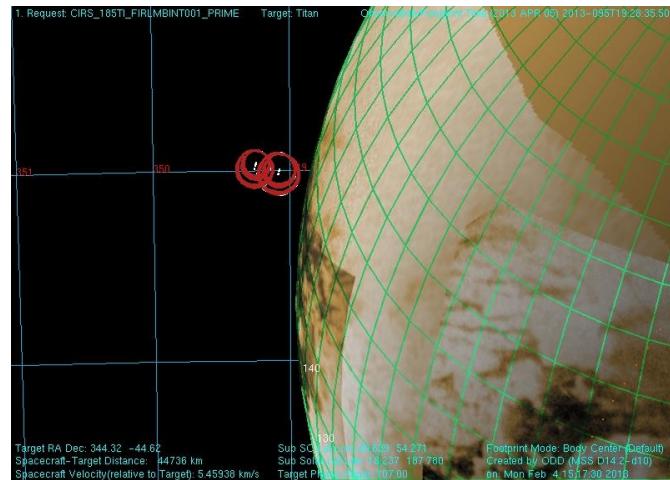
2.1.3.1 Science Description

FIRLMBINT observations are designed to obtain information on the composition of Titan's stratosphere, specifically, to provide coarse vertical profiles of CH₄, HCN, CO, and H₂O. They also allow a search for new molecular species, given long enough integration times.

2.1.3.2 Implementation

FIRLMBINT observations occur at spacecraft positions on the order of 25,000 to 40,000 km, or from $\pm 1:15$ to $\pm 2:15$ hours from closest approach. The circular far-infrared focal plane (FP1) is positioned for two integrations centred at altitudes of 125 and 225 km (repeated 125-225-125-225) off of Titan's limb for a specified latitude, as with the corresponding mid-infrared limb sequences. The integration times are typically 30 minutes in length. Longer observations are required to resolve CO and H₂O with sufficient confidence. Since only one position on the limb may be sampled in a single sequence, comprehensive latitude mapping is achieved by the compositing of several Titan flybys. If possible, the mid-infrared arrays (FP3 and FP4) are orientated perpendicular to the limb so that they may also obtain useful data as described in later observation types.

2.1.3.3 Example: CIRS_185TI_FIRLMBINT001_PRIME



This is an example FIRLMBINT observation. FP1 is shown in red, at two different elevations above the limb.

2.1.4 Far-infrared Limb Condensate Integration (FIRLMBCON)

2.1.4.1 Science Description

FIRLMBCON observations evolved from the FIRLMBINT observations, and were designed specifically to search for condensates in the far-infrared spectrum at medium spectral resolution (3.0 cm^{-1}).

2.1.4.2 Implementation

FIRLMBCON observations replaced FIRLMBINT observations on T67 and T118 in the time from $\pm 1:15$ to $\pm 2:15$ from closest approach (60 minutes duration). Three dwells of approximately 20 mins each are targeted at altitudes of 125, 175 and 225 km.

2.1.4.3 Example:

2.1.5 Far-infrared Limb Water Integration (FIRLMBWTR)

2.1.5.1 Science Description

The FIRLMBWTR observation was designed to supplement the FIRLMBINT observation, by providing a third altitude point at 175 km. This provides an intermediate data point between the 125 and 225 km altitudes normally sampled by a FIRLMBINT which was required to further constrain the vertical profile of water. Note that (i) *only* the 175 km altitude is sampled in the FIRLMBWTR, not in addition to 125 and 225 km; (ii) the spectral resolution is 0.5 cm^{-1} as in FIRLMBINT, and therefore the 175 km altitude integration from FIRLMBCON does not provide the necessary information.

2.1.5.2 Implementation

Three FIRLMBWTR observations were implemented, replacing FIRLMBINT observations on T100, T123 and T125, during the usual time slot between $\pm 1:15$ and $\pm 2:15$ from closest approach. FP1 is positioned at 175 km altitude and remains at that position for ~ 1 hr.

2.1.5.3 Example:

2.2 Time-ordered Table of FIRLMB Observations

| Flyby # | Observation Name | Start Time | Duration (HR:MN) | Pointing (Latitudes) |
|---------|--------------------------------|-------------------|------------------|----------------------|
| T4 | CIRS_005TI_FIRLMBT002_PRIME | 2005-090T20:05:16 | 0:45 | 80N, 70N |
| | CIRS_005TI_FIRLMBBAER002_PRIME | 2005-090T20:50:16 | 0:30 | 85N, 75N |
| | CIRS_005TI_FIRLMBINT002_PRIME | 2005-090T21:20:16 | 0:45 | 85N |
| T6 | CIRS_013TI_FIRLMBINT002_PRIME | 2005-234T06:38:37 | 1:00 | 55S |
| | CIRS_013TI_FIRLMBBAER002_PRIME | 2005-234T07:38:37 | 0:30 | 50S |
| | CIRS_013TI_FIRLMBT002_PRIME | 2005-234T08:08:37 | 0:35 | 50S, 55S |
| | CIRS_013TI_FIRLMBT003_PRIME | 2005-234T09:03:37 | 0:35 | 45S, 40S |
| | CIRS_013TI_FIRLMBBAER003_PRIME | 2005-234T09:38:37 | 0:30 | 40S |
| | CIRS_013TI_FIRLMBINT003_PRIME | 2005-234T10:08:37 | 1:00 | 45S |
| T10 | CIRS_020TI_FIRLMBINT003_PRIME | 2006-015T12:41:27 | 1:00 | 55N |
| T14 | CIRS_024TI_FIRLMBINT002_PRIME | 2006-140T09:48:11 | 1:25 | 50N |
| | CIRS_024TI_FIRLMBINT003_PRIME | 2006-140T13:45:11 | 0:48 | 50N |
| T15 | CIRS_025TI_FIRLMBBAER003_PRIME | 2006-183T09:50:47 | 1:00 | 62N |
| | CIRS_025TI_FIRLMBINT003_PRIME | 2006-183T10:50:47 | 1:00 | 62N |
| T16 | CIRS_026TI_FIRLMBINT003_PRIME | 2006-203T01:40:26 | 1:00 | 45N |
| T17 | CIRS_028TI_FIRLMBINT002_PRIME | 2006-250T17:52:51 | 1:00 | 15S |
| | CIRS_028TI_FIRLMBBAER002_PRIME | 2006-250T18:52:51 | 0:39 | 15S |
| | CIRS_028TI_FIRLMBT002_PRIME | 2006-250T19:31:51 | 0:30 | 15S, 25S |
| T18 | CIRS_029TI_FIRLMBINT003_PRIME | 2006-266T16:58:49 | 1:15 | 30N |
| T24 | CIRS_038TI_FIRLMBINT001_PRIME | 2007-029T05:15:55 | 0:45 | 28N |
| | CIRS_038TI_FIRLMBT001_PRIME | 2007-029T06:00:55 | 0:52 | 28N |
| T26 | CIRS_040TI_FIRLMBINT001_PRIME | 2007-068T23:34:00 | 0:51 | 10N |
| | CIRS_040TI_FIRLMBT002_PRIME | 2007-069T02:12:00 | 0:30 | 3N, 17N |
| | CIRS_040TI_FIRLMBBAER002_PRIME | 2007-069T02:42:00 | 0:30 | 15N |
| | CIRS_040TI_FIRLMBINT002_PRIME | 2007-069T03:35:00 | 0:37 | 15N |
| T27 | CIRS_041TI_FIRLMBINT002_PRIME | 2007-085T01:56:27 | 0:42 | 44N |
| T32 | CIRS_046TI_FIRLMBINT903_PRIME | 2007-164T18:32:11 | 0:16 | 45N |
| T35 | CIRS_049TI_FIRLMBINT001_PRIME | 2007-243T04:32:34 | 1:00 | 70N |
| T37 | CIRS_052TI_FIRLMBINT001_PRIME | 2007-322T22:47:25 | 0:21 | 80S |
| | CIRS_052TI_FIRLMBBAER001_PRIME | 2007-322T23:08:25 | 0:54 | 80S, 70S |
| | CIRS_052TI_FIRLMBT001_PRIME | 2007-323T00:02:25 | 0:30 | 65S, 75S |
| T38 | CIRS_053TI_FIRLMBINT001_PRIME | 2007-338T21:36:50 | 1:15 | ON |
| | CIRS_053TI_FIRLMBBAER001_PRIME | 2007-338T22:51:50 | 0:25 | ON |
| | CIRS_053TI_FIRLMBT001_PRIME | 2007-338T23:16:50 | 0:35 | 5S, 5N |
| T40 | CIRS_055TI_FIRLMBINT001_PRIME | 2008-005T19:30:20 | 0:55 | 30S |
| T42 | CIRS_062TI_FIRLMBINT003_PRIME | 2008-085T12:28:48 | 0:44 | 55S |
| | CIRS_062TI_FIRLMBBAER001_PRIME | 2008-085T13:12:48 | 0:25 | 55S |

| | | | | |
|-----|-------------------------------|-------------------|------|--------------|
| | CIRS_062TI_FIRLMBT001_PRIME | 2008-085T13:37:48 | 0:29 | 52, 62S |
| T46 | CIRS_091TI_FIRLMBCON001_PRIME | 2008-308T14:06:24 | 1:39 | BIU anomaly |
| | CIRS_091TI_FIRLMBINT001_PRIME | 2008-308T15:45:24 | 0:22 | |
| | CIRS_091TI_FIRLMBINT002_RIDER | 2008-308T19:03:24 | 0:24 | |
| T47 | CIRS_093TI_FIRLMBINT002_PRIME | 2008-324T16:58:28 | 1:13 | 45S |
| T48 | CIRS_095TI_FIRLMBINT001_PRIME | 2008-340T11:25:45 | 1:00 | 35S |
| | CIRS_095TI_FIRLMBINT002_PRIME | 2008-340T15:20:45 | 1:20 | 25S |
| T49 | CIRS_097TI_FIRLMBINT001_PRIME | 2008-356T09:59:52 | 1:00 | 10N |
| T53 | CIRS_109TI_FIRLMBAER001_PRIME | 2009-109T22:45:45 | 0:37 | Downlink |
| | CIRS_109TI_FIRLMBT001_PRIME | 2009-109T23:22:55 | 0:48 | |
| | CIRS_109TI_FIRLMBAER002_PRIME | 2009-110T00:46:45 | 0:49 | |
| T54 | CIRS_110TI_FIRLMBINT001_PRIME | 2009-125T20:39:16 | 1:00 | 20N |
| | CIRS_110TI_FIRLMBAER001_PRIME | 2009-125T21:39:16 | 0:30 | 30N |
| | CIRS_110TI_FIRLMBT001_PRIME | 2009-125T22:09:16 | 0:35 | 10N, 5N |
| T57 | CIRS_113TI_FIRLMBINT001_PRIME | 2009-173T16:17:35 | 1:05 | 10S |
| T59 | CIRS_115TI_FIRLMBT002_PRIME | 2009-205T15:49:04 | 0:35 | 50S, 55S |
| | CIRS_115TI_FIRLMBAER002_PRIME | 2009-205T16:24:04 | 0:30 | 60S |
| | CIRS_115TI_FIRLMBINT002_PRIME | 2009-205T16:54:04 | 0:55 | 60S |
| T62 | CIRS_119TI_FIRLMBT001_PRIME | 2009-285T07:45:25 | 0:30 | 75S |
| | CIRS_119TI_FIRLMBAER002_PRIME | 2009-285T09:01:25 | 0:50 | 70S |
| | CIRS_119TI_FIRLMBINT002_PRIME | 2009-285T09:51:25 | 1:00 | 75S |
| T64 | CIRS_123TI_FIRLMBINT001_PRIME | 2009-361T22:01:59 | 0:59 | 45N |
| | CIRS_123TI_FIRLMBAER001_PRIME | 2009-361T23:01:59 | 0:37 | 50N |
| T66 | CIRS_125TI_FIRLMBINT001_PRIME | 2010-028T19:58:49 | 1:08 | 30N |
| | CIRS_125TI_FIRLMBAER001_PRIME | 2010-028T21:06:49 | 0:34 | 20N |
| | CIRS_125TI_FIRLMBT001_PRIME | 2010-028T21:40:19 | 0:34 | 23N, 28N |
| T67 | CIRS_129TI_FIRLMBCON001_PRIME | 2010-095T13:35:39 | 1:00 | 70N |
| | CIRS_129TI_FIRLMBAER001_PRIME | 2010-095T14:35:39 | 0:30 | 70N |
| | CIRS_129TI_FIRLMBT001_PRIME | 2010-095T15:05:39 | 0:30 | 70N |
| T70 | CIRS_133TI_FIRLMBINT001_PRIME | 2010-171T23:12:18 | 1:02 | 55N |
| T72 | CIRS_138TI_FIRLMBINT001_PRIME | 2010-267T16:23:41 | 1:00 | 87S |
| | CIRS_138TI_FIRLMBAER001_PRIME | 2010-267T17:23:41 | 0:30 | 87S |
| | CIRS_138TI_FIRLMBT001_PRIME | 2010-267T17:53:41 | 0:30 | 82S, 87S |
| T73 | CIRS_140TI_FIRLMBT002_PRIME | 2010-315T13:12:01 | 1:10 | |
| | CIRS_140TI_FIRLMBAER002_PRIME | 2010-315T14:22:01 | 0:30 | Safing event |
| | CIRS_140TI_FIRLMBINT002_PRIME | 2010-315T14:52:01 | 1:00 | |
| T76 | CIRS_148TI_FIRLMBINT001_PRIME | 2011-128T20:23:45 | 1:00 | 50N |
| | CIRS_148TI_FIRLMBAER001_PRIME | 2011-128T21:23:45 | 0:45 | 50N |
| | CIRS_148TI_FIRLMBT001_PRIME | 2011-128T22:08:45 | 0:35 | 55N, 60N |

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|------|--------------------------------|-------------------|------|----------|
| T78 | CIRS_153TI_FIRLMBINT001_PRIME | 2011-255T00:35:06 | 1:00 | 73S |
| | CIRS_153TI_FIRLMBBAER001_PRIME | 2011-255T01:35:06 | 0:32 | 73S |
| | CIRS_158TI_FIRLMBINT501_PRIME | 2011-347T17:56:24 | 1:00 | 57S |
| T79 | CIRS_158TI_FIRLMBBAER501_PRIME | 2011-347T18:56:24 | 0:30 | 57S |
| | CIRS_158TI_FIRLMBBT501_PRIME | 2011-347T19:26:24 | 0:45 | 37S |
| T82 | CIRS_161TI_FIRLMBINT001_PRIME | 2012-050T06:28:17 | 1:00 | 75N |
| | CIRS_161TI_FIRLMBBAER001_PRIME | 2012-050T07:28:17 | 0:30 | 75N |
| | CIRS_161TI_FIRLMBT001_PRIME | 2012-050T07:58:17 | 0:45 | 56S |
| | CIRS_161TI_FIRLMBT002_PRIME | 2012-050T08:43:17 | 0:45 | 56S, 51S |
| | CIRS_161TI_FIRLMBBAER002_PRIME | 2012-050T09:28:17 | 0:30 | 56S |
| | CIRS_161TI_FIRLMBINT002_PRIME | 2012-050T09:58:17 | 1:00 | 56S |
| T85 | CIRS_169TI_FIRLMBINT001_PRIME | 2012-206T17:33:08 | 1:15 | 37N |
| | CIRS_169TI_FIRLMBBAER001_PRIME | 2012-206T18:48:08 | 0:30 | 37N |
| | CIRS_169TI_FIRLMBT001_PRIME | 2012-206T19:19:08 | 0:34 | 37N, 32N |
| T86 | CIRS_172TI_FIRLMBINT001_PRIME | 2012-270T12:20:39 | 1:00 | 50N |
| | CIRS_172TI_FIRLMBBAER001_PRIME | 2012-270T13:20:39 | 0:25 | 50N |
| | CIRS_172TI_FIRLMBT001_PRIME | 2012-270T13:46:39 | 0:31 | 50N, 45N |
| | CIRS_172TI_FIRLMBBAER002_PRIME | 2012-270T15:10:39 | 0:40 | 49N |
| | CIRS_172TI_FIRLMBINT002_PRIME | 2012-270T16:12:39 | 0:38 | 49N |
| T88 | CIRS_175TI_FIRLMBINT001_PRIME | 2012-334T06:41:59 | 1:00 | 2S |
| | CIRS_175TI_FIRLMBBAER001_PRIME | 2012-334T07:41:59 | 0:30 | 2S |
| | CIRS_175TI_FIRLMBT001_PRIME | 2012-334T08:12:59 | 0:29 | 2S |
| T90 | CIRS_185TI_FIRLMBINT001_PRIME | 2013-095T19:28:31 | 1:00 | 14N |
| | CIRS_185TI_FIRLMBBAER001_PRIME | 2013-095T20:28:31 | 0:30 | 14N |
| | CIRS_185TI_FIRLMBT001_PRIME | 2013-095T20:58:31 | 0:30 | 14N |
| T94 | CIRS_197TI_FIRLMBBAER002_PRIME | 2013-255T08:23:56 | 0:35 | 19N |
| | CIRS_197TI_FIRLMBINT002_PRIME | 2013-255T08:58:56 | 1:00 | 18N |
| T96 | CIRS_199TI_FIRLMBBAER002_PRIME | 2013-335T01:11:19 | 0:45 | 10S |
| | CIRS_199TI_FIRLMBINT002_PRIME | 2013-335T01:56:19 | 1:00 | 10S |
| T97 | CIRS_200TI_FIRLMBBAER002_PRIME | 2014-001T22:29:41 | 0:45 | 24S |
| | CIRS_200TI_FIRLMBINT002_PRIME | 2014-001T23:14:41 | 1:00 | 24S |
| T100 | CIRS_203TI_FIRLMBWTR001_PRIME | 2014-097T11:26:14 | 0:53 | 22S |
| | CIRS_203TI_FIRLMBBAER002_PRIME | 2014-097T13:50:14 | 1:06 | 40S |
| | CIRS_203TI_FIRLMBINT002_PRIME | 2014-097T15:18:14 | 0:38 | 40S |
| T103 | CIRS_206TI_FIRLMBINT005_PRIME | 2014-201T08:25:58 | 1:00 | 3S |
| | CIRS_206TI_FIRLMBBAER001_PRIME | 2014-201T09:25:58 | 0:30 | 3S |
| T104 | CIRS_208TI_FIRLMBBAER001_PRIME | 2014-265T05:53:19 | 0:45 | 28N |
| | CIRS_208TI_FIRLMBINT002_PRIME | 2014-265T06:38:19 | 1:00 | 28N |

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|------|--------------------------------|-------------------|------|----------|
| T109 | CIRS_212TI_FIRLMBBAER001_PRIME | 2015-043T17:38:04 | 0:45 | 47N |
| | CIRS_212TI_FIRLMBINT002_PRIME | 2015-043T18:45:04 | 0:38 | 47N |
| T110 | CIRS_213TI_FIRLMBBAER002_PRIME | 2015-075T14:59:49 | 0:45 | 49N |
| | CIRS_213TI_FIRLMBINT002_PRIME | 2015-075T15:44:49 | 1:00 | 49N |
| T111 | CIRS_215TI_FIRLMBT002_PRIME | 2015-127T23:00:24 | 0:35 | 60S, 55S |
| | CIRS_215TI_FIRLMBBAER003_PRIME | 2015-127T23:35:24 | 0:30 | 60S |
| | CIRS_215TI_FIRLMBINT002_PRIME | 2015-128T00:05:24 | 1:00 | 60S |
| T112 | CIRS_218TI_FIRLMBINT001_PRIME | 2015-188T05:54:51 | 1:00 | 80S |
| | CIRS_218TI_FIRLMBBAER001_PRIME | 2015-188T06:54:51 | 0:30 | 80N |
| | CIRS_218TI_FIRLMBT001_PRIME | 2015-188T07:24:51 | 0:45 | 80N, 70N |
| | CIRS_218TI_FIRLMBT002_PRIME | 2015-188T08:09:51 | 0:45 | 65S, 75S |
| | CIRS_218TI_FIRLMBBAER002_PRIME | 2015-188T08:54:51 | 0:30 | 79S |
| | CIRS_218TI_FIRLMBINT002_PRIME | 2015-188T09:24:51 | 1:00 | 79S |
| T113 | CIRS_222TI_FIRLMBINT002_PRIME | 2015-271T23:14:12 | 0:53 | |
| T114 | CIRS_225TI_FIRLMBBAER002_PRIME | 2015-317T06:01:31 | 1:10 | |
| | CIRS_225TI_FIRLMBINT002_PRIME | 2015-317T07:11:31 | 0:50 | |
| T115 | CIRS_230TI_FIRLMBINT001_PRIME | 2016-016T00:05:24 | 1:00 | |
| | CIRS_230TI_FIRLMBBAER004_PRIME | 2016-016T01:05:24 | 0:30 | |
| | CIRS_230TI_FIRLMBT001_PRIME | 2016-016T01:35:24 | 0:45 | |
| | CIRS_230TI_FIRLMBT002_PRIME | 2016-016T02:20:24 | 0:45 | |
| | CIRS_230TI_FIRLMBBAER005_PRIME | 2016-016T03:05:24 | 0:30 | |
| | CIRS_230TI_FIRLMBINT002_PRIME | 2016-016T03:35:24 | 1:00 | |
| T116 | CIRS_231TI_FIRLMBINT001_PRIME | 2016-031T22:30:05 | 1:18 | |
| T118 | CIRS_234TI_FIRLMBCON002_PRIME | 2016-095T20:47:42 | 1:10 | |
| T119 | CIRS_235TI_FIRLMBINT001_PRIME | 2016-127T14:37:37 | 1:02 | |
| | CIRS_235TI_FIRLMBBAER001_PRIME | 2016-127T15:39:37 | 0:30 | |
| | CIRS_235TI_FIRLMBT001_PRIME | 2016-127T16:09:37 | 0:30 | |

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|------|--------------------------------|-------------------|------|--|
| T120 | CIRS_236TI_FIRLMBINT001_PRIME | 2016-159T11:36:17 | 1:15 | |
| | CIRS_236TI_FIRLMBBAER002_PRIME | 2016-159T12:52:17 | 0:44 | |
| T123 | CIRS_243TI_FIRLMBT002_PRIME | 2016-271T04:31:59 | 0:30 | |
| | CIRS_243TI_FIRLMBBAER002_PRIME | 2016-271T05:01:59 | 0:30 | |
| | CIRS_243TI_FIRLMBWTR001_PRIME | 2016-271T05:31:59 | 1:00 | |
| T125 | CIRS_250TI_FIRLMBT002_PRIME | 2016-334T22:29:32 | 0:30 | |
| | CIRS_250TI_FIRLMBBAER002_PRIME | 2016-334T22:59:32 | 0:30 | |
| | CIRS_250TI_FIRLMBWTR001_PRIME | 2016-334T23:29:32 | 1:00 | |

Table 3: Time-ordered list of CIRS FIRLMB observations of Titan. Red-highlighted observations were lost due to the specified reason.

2.3 Distribution of CIRS Far-infrared Limb Observations

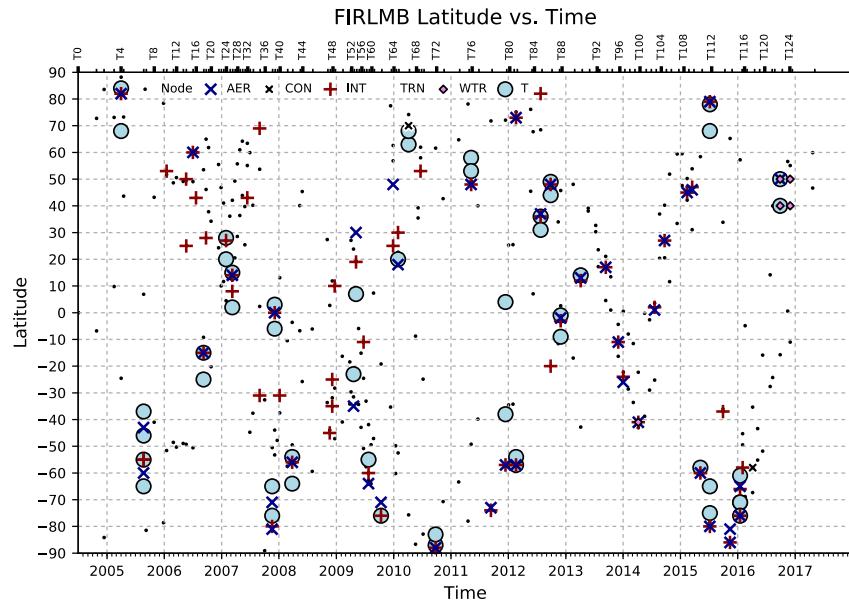


Figure 2: latitude distribution of far-infrared limb observations during the Cassini mission. Circle: FIRLMBT. Diamond: FIRLMBWTR. Triangle: FIRLMBTRN. Cross: FIRLMBINT. Small x: FIRLMBCON. Large X: FIRLMBBAER. Dot: limb horizon nodes. The grey shaded line shows the sub-solar latitude.

3.1.1 Science Description

The objective of FIRNADMAP sequences is to map the thermal structure of Titan's upper troposphere and tropopause by nadir sounding with the CIRS far-infrared focal plane (FP1). Temperatures are obtained with a precision of 0.2 K via the N₂ absorption lines at 20-100 cm⁻¹, CH₄ super-saturation at 150-400 cm⁻¹ and surface temperatures at around 520 cm⁻¹.

3.1.2 Implementation

FIRNADMAP sequences typically occur 60,000 km or ± 3 hours from closest approach, at which time FP1 subtends 5 degrees of body-centric arc at the sub-spacecraft point. During these sequences a single slew is executed across the entire visible disk with a spectral resolution of 15.5 cm⁻¹, at a rate of around 7

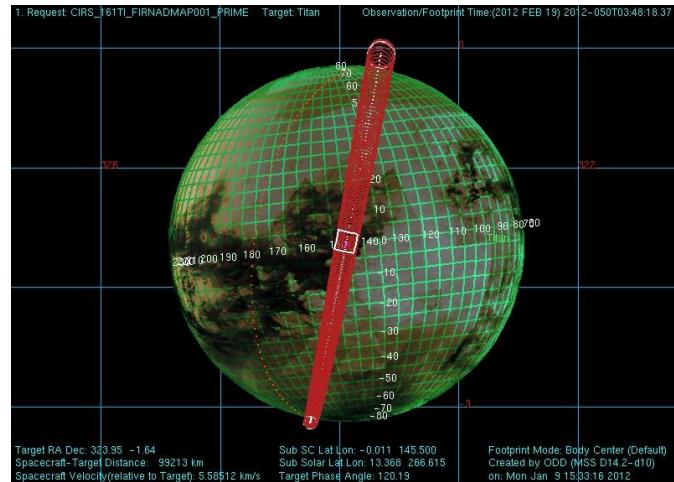
3 Far-infrared Nadir Temperature Maps

3.1 Observation Descriptions

3.1.1 Far-Infrared Nadir Map (FIRNADMAP)

μrads^{-1} . Tailored scans over less than a diameter may target areas of particular interest, such as the northern lakes. Also, if time permits, a deep-space calibration is performed at the end of the slew by offsetting the FOV by around 20 milliradians to beyond Titan's exosphere and integrating over a period of at least 10 minutes.

3.1.1.3 Example: CIRS_161TI_FIRNADMAP001_PRIME



3.2 Time-ordered Table of Observations

| Flyby # | Request Name | Start Time | Duration (HR:MN) | Pointing (Lat., Lon) |
|---------|------------------------------|-------------------|------------------|----------------------|
| TB | CIRS_00BTI_FIRNADMAP001_UVIS | 2004-348T03:38:13 | 4:00 | 6S 159W |

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|-----|-------------------------------|-------------------|------|----------|
| | CIRS_00BTI_FIRNADMAP002_UVIS | 2004-348T14:08:13 | 2:30 | 10N 347W |
| T3 | CIRS_003TI_FIRNADMAP003_UVIS | 2005-046T08:30:53 | 3:27 | 2N 340W |
| T5 | CIRS_006TI_FIRNADMAP003_UVIS | 2005-106T11:11:46 | 5:00 | 8N 27W |
| T6 | CIRS_013TI_FIRNADMAP002_PRIME | 2005-234T03:53:37 | 2:45 | 3N 32W |
| | CIRS_013TI_FIRNADMAP003_PRIME | 2005-234T11:08:37 | 2:45 | 15S 208W |
| T9 | CIRS_019TI_FIRNADMAP005_UVIS | 2005-360T21:29:30 | 6:24 | 0N 28W |
| T11 | CIRS_021TI_FIRNADMAP003_UVIS | 2006-058T13:25:19 | 3:30 | 0N 344W |
| T13 | CIRS_023TI_FIRNADMAP003_UVIS | 2006-121T02:18:14 | 5:10 | 0N 10W |
| T14 | CIRS_024TI_FIRNADMAP002_UVIS | 2006-140T04:48:11 | 5:00 | 0N 158W |
| | CIRS_024TI_FIRNADMAP003_PRIME | 2006-140T14:33:11 | 2:45 | 0N 155W |
| T15 | CIRS_025TI_FIRNADMAP003_UVIS | 2006-183T11:50:47 | 5:30 | 0N 200W |
| T16 | CIRS_026TI_FIRNADMAP003_PRIME | 2006-203T02:40:26 | 2:45 | 6S 339W |
| T17 | CIRS_028TI_FIRNADMAP002_UVIS | 2006-250T12:46:51 | 4:45 | 10N 149W |
| T18 | CIRS_029TI_FIRNADMAP002_UVIS | 2006-266T11:28:49 | 4:30 | 14N 141W |
| T21 | CIRS_035TI_EUVFUV001_UVIS | 2006-346T04:11:31 | 5:00 | 32N 129W |
| T22 | CIRS_036TI_FIRNADMAP002_PRIME | 2006-362T04:35:22 | 3:00 | 41N 133W |
| | CIRS_036TI_FIRNADMAP003_PRIME | 2006-362T13:35:22 | 2:00 | 42S 319W |
| T24 | CIRS_038TI_EUVFUV001_UVIS | 2007-028T22:15:55 | 6:00 | 59N 116W |
| | CIRS_038TI_FIRNADMAP002_PRIME | 2007-029T11:15:55 | 1:00 | 53S 307W |
| T26 | CIRS_040TI_FIRNADMAP001_PRIME | 2007-068T20:49:00 | 2:45 | 47S 43W |
| | CIRS_040TI_FIRNADMAP002_PRIME | 2007-069T06:04:00 | 0:45 | 46N 228W |

| | | | | |
|-----|-------------------------------|-------------------|------|----------|
| | CIRS_040TI_EUVFUV002_UVIS | 2007-069T06:49:00 | 3:00 | |
| T27 | CIRS_041TI_EUVFUV001_UVIS | 2007-084T20:49:27 | 2:23 | 36S 35W |
| | CIRS_041TI_FIRNADMAP002_PRIME | 2007-085T02:38:27 | 0:45 | 32N 218W |
| | CIRS_041TI_EUVFUV002_UVIS | 2007-085T03:23:27 | 5:00 | 39N 223W |
| T29 | CIRS_043TI_FIRNADMAP001_PRIME | 2007-116T16:32:58 | 2:50 | 27S 28W |
| T30 | CIRS_044TI_EUVFUV001_UVIS | 2007-132T11:09:58 | 3:50 | |
| T31 | CIRS_045TI_EUVFUV001_UVIS | 2007-148T09:51:55 | 6:00 | 11S 24W |
| | CIRS_045TI_FIRNADMAP004_PRIME | 2007-148T22:51:55 | 1:00 | 13N 212W |
| T32 | CIRS_046TI_FIRNADMAP002_UVIS | 2007-164T12:46:11 | 2:00 | 7S 24W |
| | CIRS_046TI_FIRNADMAP901_UVIS | 2007-164T16:12:11 | 0:51 | |
| | CIRS_046TI_FIRNADMAP902_PRIME | 2007-164T20:04:11 | 2:42 | 4N 212W |
| T33 | CIRS_047TI_EUVFUV001_UVIS | 2007-180T11:59:46 | 3:00 | |
| | CIRS_047TI_FIRNADMAP002_PRIME | 2007-180T20:59:46 | 1:15 | 0N 209W |
| T34 | CIRS_048TI_EUVFUV001_UVIS | 2007-199T16:11:20 | 6:00 | |
| | CIRS_048TI_FIRNADMAP002_PRIME | 2007-200T05:11:20 | 1:00 | 0N 339W |
| T35 | CIRS_049TI_FIRNADMAP001_PRIME | 2007-243T01:32:34 | 3:00 | 6S 159W |
| | CIRS_049TI_FIRNADMAP004_PRIME | 2007-243T10:32:34 | 1:00 | 10N 347W |
| T36 | CIRS_050TI_EUVFUV001_UVIS | 2007-274T19:42:43 | 3:49 | |
| T37 | CIRS_052TI_FIRNADMAP001_PRIME | 2007-322T19:47:25 | 3:00 | 4S 22W |
| | CIRS_052TI_FIRNADMAP002_PRIME | 2007-323T04:47:25 | 1:00 | 1N 205W |
| T38 | CIRS_053TI_FIRNADMAP001_PRIME | 2007-338T18:36:50 | 3:00 | 8N 27W |

| | | | | |
|-----|-------------------------------|-------------------|------|-------------|
| | CIRS_053TI_FIRNADMAP002_PRIME | 2007-339T04:06:50 | 1:00 | 10N 215W |
| T40 | CIRS_055TI_EUVFUV001_UVIS | 2008-005T12:30:20 | 4:00 | 21S 32W |
| | CIRS_055TI_EUVFUV501_UVIS | 2008-005T16:30:20 | 2:00 | |
| | CIRS_055TI_FIRNADMAP002_PRIME | 2008-006T01:30:20 | 1:00 | 5S 211W |
| T41 | CIRS_059TI_EUVFUV002_UVIS | 2008-053T20:02:07 | 2:30 | 25N 227W |
| T42 | CIRS_062TI_FIRNADMAP001_PRIME | 2008-085T09:27:48 | 3:00 | 0N 28W |
| | CIRS_062TI_FIRNADMAP002_PRIME | 2008-085T18:27:48 | 1:00 | 0N 189W |
| T43 | CIRS_067TI_FIRNADMAP002_PRIME | 2008-133T12:11:58 | 2:50 | 0N 344W |
| T44 | CIRS_069TI_EUVFUV001_UVIS | 2008-148T23:24:32 | 6:00 | |
| T46 | CIRS_091TI_FIRNADMAP001_PRIME | 2008-308T14:06:23 | 2:01 | BIU anomaly |
| | CIRS_091TI_EUVFUV002_UVIS | 2008-308T19:27:23 | 7:08 | |
| T47 | CIRS_093TI_FIRNADMAP002_PRIME | 2008-324T18:11:28 | 2:45 | 34N 253W |
| T48 | CIRS_095TI_EUVFUV001_UVIS | 2008-340T16:40:45 | 6:45 | |
| | CIRS_102TI_EUVFUV001_UVIS | 2009-038T14:50:51 | 3:00 | BIU anomaly |
| T50 | CIRS_102TI_EUVFUV001_ISS | 2009-038T17:50:51 | 1:00 | |
| | CIRS_102TI_EUVFUV001_UVIS | 2009-038T21:50:51 | 0:13 | |
| T51 | CIRS_107TI_FIRNADMAP002_PRIME | 2009-086T06:32:45 | 3:11 | 54N 266W |
| T52 | CIRS_108TI_FIRNADMAP002_PRIME | 2009-094T03:37:47 | 1:40 | 58S 257W |
| T54 | CIRS_110TI_FIRNADMAP001_PRIME | 2009-125T18:04:16 | 2:35 | 55N 82W* |
| | CIRS_110TI_EUVFUV001_UVIS | 2009-126T00:54:16 | 7:00 | |
| T55 | CIRS_111TI_EUVFUV001_UVIS | 2009-141T12:26:41 | 6:30 | |

| | | | | |
|-----|-------------------------------|-------------------|------|--------------|
| | CIRS_111TI_FIRNADMAP002_PRIME | 2009-141T23:56:41 | 2:30 | 55S 270W* |
| T56 | CIRS_112TI_EUVFUV001_UVIS | 2009-157T21:41:01 | 7:19 | |
| T57 | CIRS_113TI_EUVFUV001_UVIS | 2009-173T09:32:35 | 6:45 | |
| | CIRS_113TI_EUVFUV002_UVIS | 2009-174T00:02:35 | 3:00 | |
| T58 | CIRS_114TI_EUVFUV001_UVIS | 2009-189T08:04:03 | 6:40 | |
| | CIRS_114TI_FIRNADMAP002_PRIME | 2009-189T19:04:03 | 1:30 | 24S 294W* |
| T59 | CIRS_115TI_FIRNADMAP002_PRIME | 2009-205T18:10:09 | 2:23 | 23S 326W |
| T60 | CIRS_116TI_EUVFUV001_UVIS | 2009-221T05:03:53 | 3:50 | Downlink |
| T62 | CIRS_119TI_EUVFUV001_UVIS | 2009-284T23:36:25 | 6:51 | |
| | CIRS_119TI_EUVFUV002_UVIS | 2009-285T11:12:30 | 6:24 | |
| T63 | CIRS_122TI_FIRNADMAP002_PRIME | 2009-346T03:48:14 | 1:00 | ON 200W |
| T64 | CIRS_123TI_FIRNADMAP001_PRIME | 2009-361T19:16:59 | 2:45 | 4N 121W |
| T65 | CIRS_124TI_FIRNADMAP001_PRIME | 2010-012T18:10:37 | 2:45 | Angled track |
| | CIRS_124TI_FIRNADMAP002_PRIME | 2010-013T01:10:37 | 3:00 | Angled track |
| T66 | CIRS_125TI_EUVFUV001_UVIS | 2010-028T13:28:49 | 6:30 | |
| | CIRS_125TI_EUVFUV002_UVIS | 2010-029T00:28:49 | 7:00 | |
| T67 | CIRS_129TI_FIRNADMAP001_PRIME | 2010-095T10:50:39 | 2:45 | 25S 130W* |
| | CIRS_129TI_FIRNADMAP002_PRIME | 2010-095T19:50:39 | 1:00 | 10N 310W* |
| T69 | CIRS_132TI_EUVFUV001_UVIS | 2010-156T04:26:27 | 7:00 | |
| T70 | CIRS_133TI_FIRNADMAP001_PRIME | 2010-171T20:27:43 | 2:45 | ON 9W |
| T72 | CIRS_138TI_FIRNADMAP001_PRIME | 2010-267T13:38:41 | 2:45 | 5S 50W* |

| | | | | |
|-----|-------------------------------|-------------------|------|--------------|
| | CIRS_138TI_EUVFUV002_UVIS | 2010-267T20:53:41 | 6:45 | |
| T73 | CIRS_140TI_FIRNADMAP001_PRIME | 2010-315T08:37:01 | 2:45 | Safing event |
| T75 | CIRS_147TI_EUVFUV001_UVIS | 2011-109T07:30:39 | 6:30 | |
| T76 | CIRS_148TI_FIRNADMAP001_PRIME | 2011-128T17:53:45 | 2:45 | ON 20W* |
| | CIRS_148TI_EUVFUV001_UVIS | 2011-129T01:53:45 | 6:00 | |
| T77 | CIRS_149TI_EUVFUV001_UVIS | 2011-171T06:37:00 | 9:25 | |
| | CIRS_149TI_FIRNADMAP002_PRIME | 2011-171T21:02:01 | 2:30 | ON 217W |
| T78 | CIRS_153TI_FIRNADMAP001_PRIME | 2011-254T21:50:06 | 2:45 | ON 118W* |
| | CIRS_153TI_EUVFUV001_UVIS | 2011-255T06:50:06 | 7:32 | Withdrawn? |
| T79 | CIRS_158TI_FIRNADMAP501_PRIME | 2011-347T15:11:24 | 2:45 | ON 15W |
| T80 | CIRS_159TI_FIRNADMAP001_PRIME | 2012-002T10:13:38 | 2:45 | 25S 138W |
| T81 | CIRS_160TI_EUVFUV001_UVIS | 2012-030T04:39:47 | 6:45 | |
| | CIRS_160TI_EUVFUV002_UVIS | 2012-030T16:39:47 | 6:00 | |
| T82 | CIRS_161TI_FIRNADMAP001_PRIME | 2012-050T03:43:17 | 2:45 | ON 148W |
| | CIRS_161TI_FIRNADMAP002_PRIME | 2012-050T10:58:17 | 2:45 | ON 330W* |
| T83 | CIRS_166TI_FIRNADMAP001_PRIME | 2012-142T20:10:11 | 2:33 | ON 20W |
| T84 | CIRS_167TI_FIRNADMAP001_PRIME | 2012-158T19:07:21 | 2:45 | 22N 18W |
| | CIRS_167TI_EUVFUV002_UVIS | 2012-159T02:22:21 | 6:45 | |
| T85 | CIRS_169TI_FIRNADMAP002_PRIME | 2012-206T22:18:08 | 2:45 | 18S 202W |
| T86 | CIRS_172TI_EUVFUV001_UVIS | 2012-270T05:35:38 | 6:45 | |
| | CIRS_172TI_EUVFUV002_UVIS | 2012-270T16:50:38 | 6:45 | |

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|------|-------------------------------|-------------------|------|---------------------------------|
| T88 | CIRS_175TI_FIRNADMAP001_PRIME | 2012-334T03:56:59 | 2:45 | 35N 30W |
| T90 | CIRS_185TI_FIRNADMAP001_PRIME | 2013-095T16:43:31 | 2:45 | 42N 48W |
| T93 | CIRS_195TI_EUVFUV001_UVIS | 2013-207T02:56:19 | 6:45 | |
| T94 | CIRS_197TI_EUVFUV001_UVIS | 2013-255T09:58:56 | 6:45 | |
| T96 | CIRS_199TI_FIRNADMAP002_PRIME | 2013-335T02:56:19 | 2:45 | 90S 0W* |
| T97 | CIRS_200TI_EUVFUV001_UVIS | 2014-001T12:59:41 | 6:45 | |
| | CIRS_200TI_EUVFUV002_UVIS | 2014-002T00:14:41 | 6:45 | |
| T100 | CIRS_203TI_EUVFUV001_UVIS | 2014-097T15:56:14 | 6:45 | |
| T101 | CIRS_204TI_EUVFUV001_UVIS | 2014-137T02:12:15 | 5:15 | |
| | CIRS_204TI_FIRNADMAP002_PRIME | 2014-137T18:57:15 | 2:15 | 78N 240W, 72N 313W ¹ |
| T102 | CIRS_205TI_FIRNADMAP002_PRIME | 2014-169T16:31:25 | 1:57 | 65N 195W* |
| T103 | CIRS_206TI_FIRNADMAP002_PRIME | 2014-201T13:40:58 | 2:00 | 78N 240W ² |
| T105 | CIRS_208TI_EUVFUV001_UVIS | 2014-265T02:23:19 | 0:45 | |
| | CIRS_208TI_EUVFUV002_UVIS | 2014-265T11:08:19 | 1:30 | |
| | CIRS_208TI_FIRNADMAP002_PRIME | 2014-265T07:38:19 | 3:30 | 57N 200W* |
| T109 | CIRS_212TI_EUVFUV001_UVIS | 2015-043T08:08:04 | 6:45 | |
| | CIRS_212TI_EUVFUV002_UVIS | 2015-043T19:23:04 | 6:45 | |
| T110 | CIRS_213TI_FIRNADMAP002_PRIME | 2015-075T16:44:49 | 2:45 | 6S 200W |
| T111 | CIRS_215TI_FIRNADMAP002_PRIME | 2015-128T01:05:24 | 2:45 | 10S 340W |
| T112 | CIRS_218TI_FIRNADMAP002_PRIME | 2015-188T10:24:51 | 2:45 | 6N 220W |
| T113 | CIRS_222TI_FIRNADMAP001_PRIME | 2015-271T16:37:12 | 3:00 | |

| | | | | |
|------|-------------------------------|-------------------|------|--|
| | CIRS_222TI_FIRNADMAP002_PRIME | 2015-272T00:07:12 | 2:30 | |
| T114 | CIRS_225TI_EUVFUV002_UVIS | 2015-317T08:01:31 | 6:45 | |
| T115 | CIRS_230TI_EUVFUV001_UVIS | 2016-015T17:20:24 | 6:45 | |
| | CIRS_230TI_FIRNADMAP002_PRIME | 2016-016T04:35:24 | 2:45 | |
| T116 | CIRS_231TI_EUVFUV001_UVIS | 2016-032T04:20:05 | 1:40 | |
| | CIRS_231TI_FIRNADMAP001_PRIME | 2016-031T20:00:05 | 2:30 | |
| T117 | CIRS_232TI_FIRNADMAP002_PRIME | 2016-048T02:28:41 | 2:21 | |
| T118 | CIRS_234TI_EUVFUV001_UVIS | 2016-095T10:42:42 | 6:45 | |
| | CIRS_234TI_EUVFUV002_UVIS | 2016-095T21:57:42 | 6:45 | |
| T119 | CIRS_235TI_FIRNADMAP001_PRIME | 2016-127T11:54:37 | 2:42 | |
| T120 | CIRS_236TI_FIRNADMAP001_PRIME | 2016-159T09:06:17 | 2:30 | |
| | CIRS_236TI_FIRNADMAP002_PRIME | 2016-159T16:21:17 | 2:45 | |
| T121 | CIRS_238TI_FIRNADMAP001_PRIME | 2016-207T04:58:23 | 2:45 | |
| T123 | CIRS_243TI_EUVFUV001_UVIS | 2016-270T19:16:59 | 6:45 | |
| | CIRS_243TI_EUVFUV002_UVIS | 2016-271T06:31:59 | 6:45 | |
| T124 | CIRS_248TI_FIRNADMAP002_PRIME | 2016-319T02:27:56 | 2:28 | |
| T125 | CIRS_250TI_FIRNADMAP002_PRIME | 2016-335T00:29:32 | 2:45 | |
| N/A | CIRS_275TI_FIRNADMAP002_PRIME | 2017-144T01:18:00 | 4:15 | |
| N/A | CIRS_292TI_FIRNADMAP001_PRIME | 2017-254T23:46:00 | 3:00 | |

Table 4: CIRS and UVIS-led far-infrared nadir map observations. Pointing entries indicate the sub-spacecraft point at the mid-point of the duration. Where the observation track is offset from the sub-spacecraft point, the midpoint of the scan is given; these entries are marked with an asterisk.¹Two scans on T101, both targeted at northern lakes (Ligeia Mare, Kraken Mare).²Continuous mosaic, seven short scans over Ligeia Mare.

3.3 Maps of FIRNADMAP and EUVFUV Surface Coverage of Titan

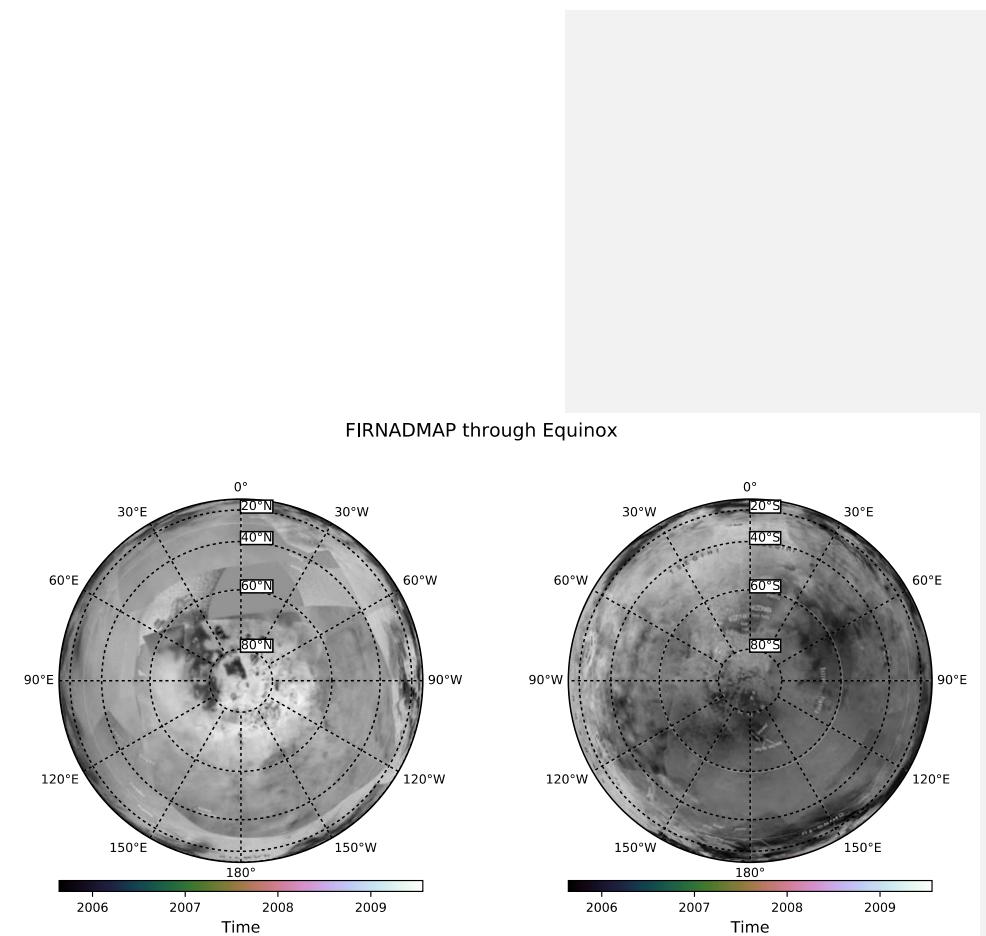
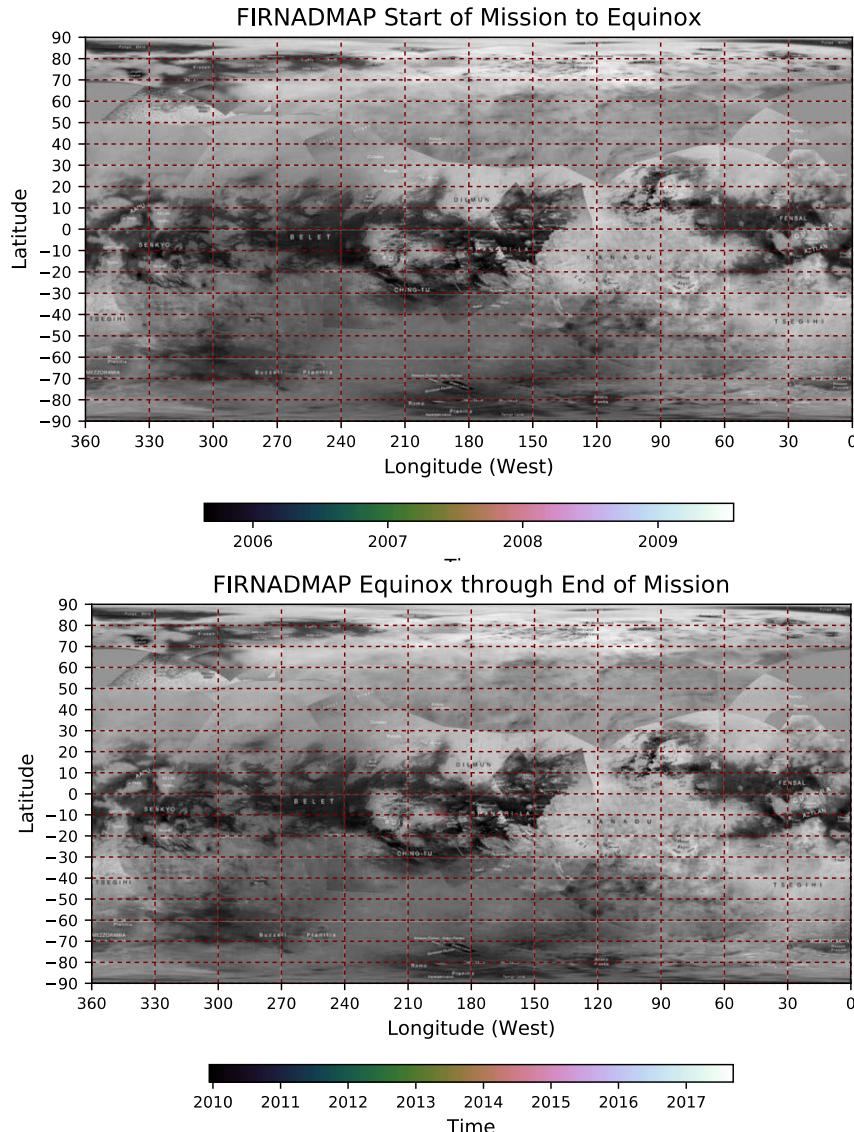
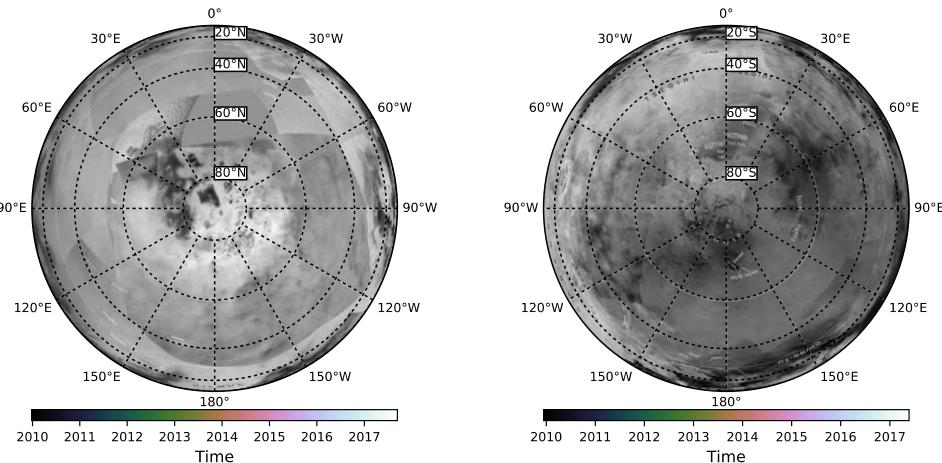


Figure 4: FIRNADMAP surface coverage from Equinox (2000) to end of mission (September 2017).

FIRNADMAP Equinox through End of Mission



EUVFUV UVIS Rider Observations

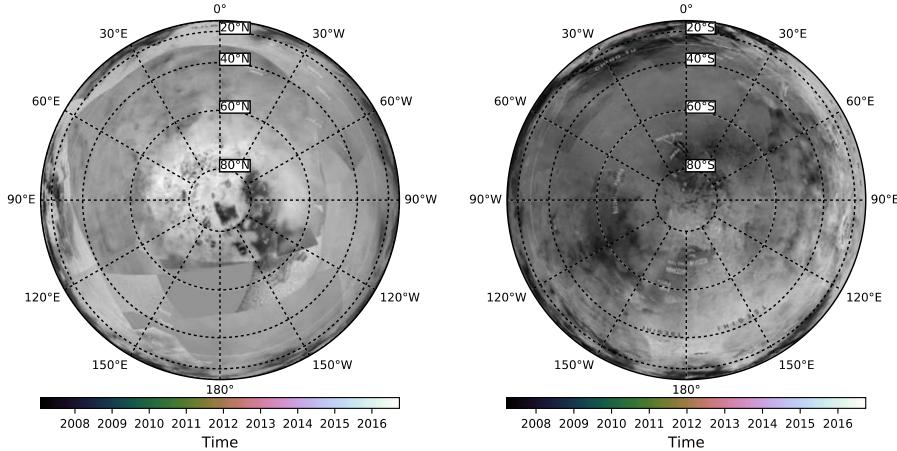


Figure 8: EUVFUV surface coverage during the entire mission, polar projection.

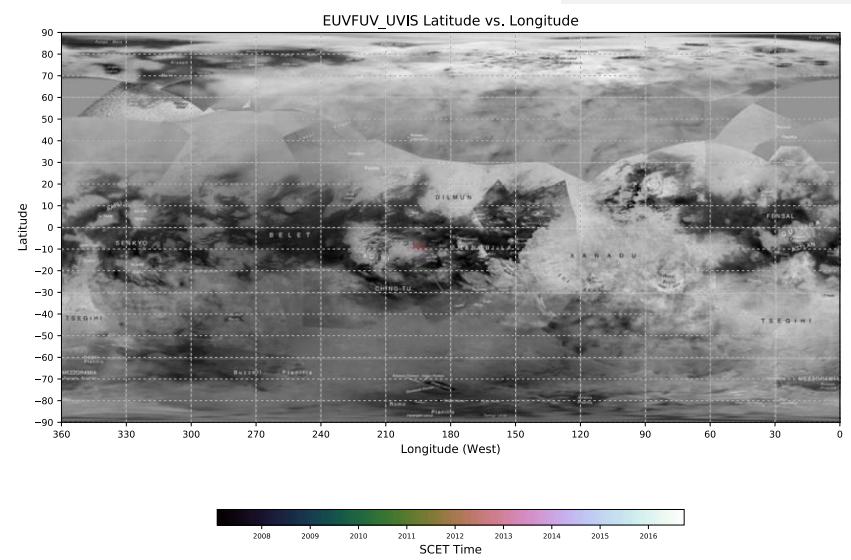


Figure 7: EUVFUV surface coverage during the entire mission, rectangular projection.

4 Far-infrared Nadir Integrations

4.1 Far-Infrared Nadir Composition Integration (FIRNADCMP)

4.1.1 Observation Description

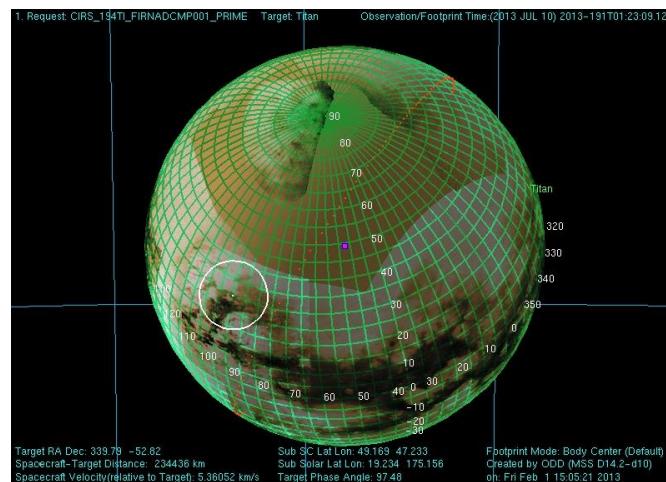
4.1.1.1 Science Description

The objective of FIRNADCMP designs is to obtain maps of CH₄, HCN and CO abundances in Titan's stratosphere from measurements of their rotational lines, and possibly detect new compounds. Spatial mapping of the disk is composited from multiple flybys during the tour, with only one location being observed in a single sequence, and measurements are repeated over the lifetime of the tour to search for seasonal variations.

4.1.1.2 Implementation

FIRNADCMP observations are executed at ranges of 160,000 to 270,000 km, or around $\pm 8\text{-}13$ hours from closest approach. Long integration times of typically 5 hours are used to improve signal to noise and provide a high spectral resolution of 0.5 cm^{-1} . Locations are chosen on the visible disk at emission angles of 45-60 degrees, to improve spectral contrast of stratospheric emission while ensuring that the focal plane remains on the disk with the included pointing uncertainty, and to provide comprehensive latitude coverage. During a typical sequence the CIRS far-infrared focal plane (FP1) is positioned at a single chosen position on Titan's disk, with the FPB toward Titan center, ideally about 1/3 of the radius from the body center for most of the duration. If time permits, deep-space calibrations of around 10 minutes are performed before and/or after the long integration, during which FP1 is moved beyond Titan's exosphere by executing an offset of around 25 mrad.

4.1.1.3 Example: CIRS_194T1_FIRNADCMP001_PRIME



4.2 Time-ordered Table of Observations

Table 5: CIRS-led far-infrared nadir integrations.

| Flyby # | Request Name | Start Time | Duration (HR:MN) | Pointing (Lat, Lon) |
|---------|-------------------------------|-------------------|------------------|---------------------|
| T0 | CIRS_000TI_FIRNADCMP017_PRIME | 2004-185T01:00:00 | 2:15 | visible center |
| | CIRS_000TI_FIRNADCMP001_PRIME | 2004-185T04:00:00 | 6:00 | visible center |
| TA | CIRS_00ATI_FIRNADCMP001_PRIME | 2004-300T00:00:09 | 4:00 | 30S 200W |
| TB | CIRS_00BTI_FIRNADCMP001_PRIME | 2004-347T23:38:13 | 4:00 | 10N 120W |
| T3 | CIRS_003TI_FIRNADCMP002_PRIME | 2005-046T14:57:53 | 4:00 | 18S 35W |
| T4 | CIRS_005TI_FIRNADCMP002_PRIME | 2005-090T07:35:16 | 4:00 | 40S 15W |
| | CIRS_005TI_FIRNADCMP003_PRIME | 2005-091T04:05:16 | 4:00 | 47N 210W |
| T5 | CIRS_006TI_FIRNADCMP002_PRIME | 2005-106T07:16:46 | 3:25 | 55N 15W |
| T6 | CIRS_013TI_FIRNADCMP003_PRIME | 2005-233T22:05:37 | 3:18 | 30N 330W |
| | CIRS_013TI_FIRNADCMP004_PRIME | 2005-234T16:23:37 | 4:30 | 60S 220W |
| TA | CIRS_014TI_FIRNADCMP002_PRIME | 2005-250T17:11:57 | 3:00 | 10S 160W |
| T8 | CIRS_017TI_FIRNADCMP003_PRIME | 2005-301T13:15:25 | 3:00 | 20N 35W |
| T9 | CIRS_019TI_FIRNADCMP002_PRIME | 2005-360T07:49:30 | 2:10 | 0N 62W |
| T10 | CIRS_020TI_FIRNADCMP002_PRIME | 2006-014T23:41:27 | 2:00 | 20N 190W |
| T11 | CIRS_021TI_FIRNADCMP002_PRIME | 2006-058T16:55:19 | 4:40 | 30S 170W |
| T12 | CIRS_022TI_FIRNADCMP003_PRIME | 2006-077T10:05:57 | 7:00 | 0N 190W |
| | CIRS_022TI_FIRNADCMP008_PRIME | 2006-078T12:25:57 | 1:41 | 25N 315W |

| | | | | |
|-----|-------------------------------|-------------------|------|----------|
| T13 | CIRS_023TI_FIRNADCMP003_PRIME | 2006-120T05:34:14 | 6:24 | 25S 320W |
| | CIRS_023TI_FIRNADCMP002_PRIME | 2006-121T07:28:14 | 4:07 | 35S 210W |
| T14 | CIRS_024TI_FIRNADCMP003_PRIME | 2006-139T20:48:11 | 6:30 | 15S 125W |
| T15 | CIRS_025TI_FIRNADCMP003_PRIME | 2006-182T19:50:47 | 3:30 | 15N 230W |
| | CIRS_025TI_FIRNADCMP002_PRIME | 2006-183T18:20:47 | 5:30 | 40N 20W |
| T17 | CIRS_028TI_FIRNADCMP003_PRIME | 2006-250T06:16:51 | 6:00 | 30N 145W |
| T18 | CIRS_029TI_FIRNADCMP003_PRIME | 2006-266T04:58:49 | 5:30 | 10N 95W |
| T19 | CIRS_030TI_FIRNADCMP003_PRIME | 2006-282T03:30:07 | 5:00 | 60S 300W |
| | CIRS_030TI_FIRNADCMP002_PRIME | 2006-283T03:30:07 | 5:51 | 35N 115W |
| T21 | CIRS_035TI_FIRNADCMP003_PRIME | 2006-345T21:11:31 | 5:30 | 65N 130W |
| | CIRS_035TI_FIRNADCMP023_PRIME | 2006-346T22:09:31 | 3:00 | 80S 300W |
| T22 | CIRS_036TI_FIRNADCMP003_PRIME | 2006-361T20:05:22 | 5:30 | 80N 160W |
| | CIRS_036TI_FIRNADCMP002_PRIME | 2006-362T18:35:22 | 2:30 | 90S 320W |
| T23 | CIRS_037TI_FIRNADCMP001_PRIME | 2007-012T19:38:31 | 3:00 | 75N 210W |
| | CIRS_037TI_FIRNADCMP002_PRIME | 2007-013T17:38:31 | 2:00 | 70S 210W |
| T24 | CIRS_038TI_FIRNADCMP001_PRIME | 2007-028T16:15:55 | 5:00 | 85N 290W |
| | CIRS_038TI_FIRNADCMP002_PRIME | 2007-029T16:15:55 | 5:00 | 40S 280W |
| T25 | CIRS_039TI_FIRNADCMP001_PRIME | 2007-052T14:12:24 | 3:00 | 30S 90W |
| | CIRS_039TI_FIRNADCMP002_PRIME | 2007-053T12:12:24 | 2:00 | 70N 350W |
| T26 | CIRS_040TI_FIRNADCMP001_PRIME | 2007-068T12:49:00 | 3:00 | 50S 80W |
| | CIRS_040TI_FIRNADCMP002_PRIME | 2007-069T10:49:00 | 2:00 | 90N 60W |

| | | | | |
|-----|-------------------------------|-------------------|------|----------|
| T27 | CIRS_041TI_FIRNADCMP001_PRIME | 2007-084T11:23:27 | 3:00 | 70S 20W |
| | CIRS_041TI_FIRNADCMP002_PRIME | 2007-085T09:23:27 | 2:00 | 60N 150W |
| T28 | CIRS_042TI_FIRNADCMP001_PRIME | 2007-100T07:58:00 | 2:00 | 60S 30W |
| | CIRS_042TI_FIRNADCMP002_PRIME | 2007-101T07:58:00 | 5:00 | 70N 180W |
| T29 | CIRS_043TI_FIRNADCMP001_PRIME | 2007-116T06:46:58 | 4:46 | 50S 30W |
| | CIRS_043TI_FIRNADCMP002_PRIME | 2007-117T06:32:58 | 2:00 | 75N 220W |
| T30 | CIRS_044TI_FIRNADCMP002_PRIME | 2007-133T05:09:58 | 2:00 | 0N 260W |
| T31 | CIRS_045TI_FIRNADCMP001_PRIME | 2007-148T04:42:55 | 4:09 | 20S 330W |
| | CIRS_045TI_FIRNADCMP002_PRIME | 2007-149T03:51:55 | 6:14 | 50N 230W |
| T32 | CIRS_046TI_FIRNADCMP001_PRIME | 2007-164T03:39:11 | 1:07 | 20N 50W |
| | CIRS_046TI_FIRNADCMP002_PRIME | 2007-165T02:46:11 | 2:00 | 20S 257W |
| T33 | CIRS_047TI_FIRNADCMP001_PRIME | 2007-180T02:44:46 | 4:15 | 10N 330W |
| | CIRS_047TI_FIRNADCMP002_PRIME | 2007-181T02:14:46 | 4:45 | 20N 170W |
| T34 | CIRS_048TI_FIRNADCMP001_PRIME | 2007-199T10:11:20 | 2:00 | 35S 125W |
| | CIRS_048TI_FIRNADCMP002_PRIME | 2007-200T10:11:20 | 4:49 | 50N 345W |
| T35 | CIRS_049TI_FIRNADCMP001_PRIME | 2007-242T18:17:34 | 2:15 | 10S 40W |
| | CIRS_049TI_FIRNADCMP002_PRIME | 2007-243T15:32:34 | 6:00 | 37S 240W |
| T36 | CIRS_050TI_FIRNADCMP001_PRIME | 2007-274T13:30:43 | 5:12 | 10S 320W |
| | CIRS_050TI_FIRNADCMP002_PRIME | 2007-275T13:42:43 | 2:00 | 30N 255W |
| T37 | CIRS_052TI_FIRNADCMP002_PRIME | 2007-323T09:47:25 | 5:00 | 40N 185W |
| T38 | CIRS_053TI_FIRNADCMP001_PRIME | 2007-338T09:59:50 | 4:07 | 40S 340W |

| | | | | |
|-----|-------------------------------|-------------------|------|-------------|
| | CIRS_053TI_FIRNADCMP002_PRIME | 2007-339T09:06:50 | 2:00 | 60N 215W |
| T39 | CIRS_054TI_FIRNADCMP002_PRIME | 2007-355T07:57:55 | 2:00 | 60N 270W |
| T40 | CIRS_055TI_FIRNADCMP001_PRIME | 2008-005T08:07:20 | 3:23 | 20N 355W |
| | CIRS_055TI_FIRNADCMP002_PRIME | 2008-006T06:30:20 | 5:00 | 45N 280W |
| T41 | CIRS_059TI_FIRNADCMP001_PRIME | 2008-053T04:29:07 | 3:03 | 25S 65W |
| | CIRS_059TI_FIRNADCMP002_PRIME | 2008-054T02:32:07 | 2:00 | 15N 285W |
| T42 | CIRS_062TI_FIRNADCMP002_PRIME | 2008-085T23:27:48 | 2:00 | 60N 310W |
| T43 | CIRS_067TI_FIRNADCMP001_PRIME | 2008-132T23:07:58 | 0:54 | 60S 60W |
| | CIRS_067TI_FIRNADCMP002_PRIME | 2008-133T19:01:58 | 5:00 | 30N 300W |
| T44 | CIRS_069TI_FIRNADCMP001_PRIME | 2008-148T17:24:32 | 2:00 | 45S 50W |
| | CIRS_069TI_FIRNADCMP002_PRIME | 2008-149T17:24:32 | 2:00 | 10N 300W |
| T46 | CIRS_091TI_FIRNADCMP001_PRIME | 2008-308T02:35:24 | 6:00 | BIU anomay |
| | CIRS_091TI_FIRNADCMP002_PRIME | 2008-309T03:35:24 | 4:38 | |
| T47 | CIRS_093TI_FIRNADCMP002_PRIME | 2008-325T01:56:28 | 3:00 | 45N 255W |
| T48 | CIRS_095TI_FIRNADCMP001_PRIME | 2008-340T01:25:45 | 4:00 | 15S 70W |
| T49 | CIRS_097TI_FIRNADCMP001_PRIME | 2008-355T23:59:52 | 4:00 | 10S 110W |
| T50 | CIRS_102TI_FIRNADCMP001_PRIME | 2009-037T19:50:51 | 3:30 | BIU anomaly |
| T51 | CIRS_106TI_FIRNADCMP001_PRIME | 2009-085T16:43:36 | 3:00 | 60S 150W |
| | CIRS_107TI_FIRNADCMP002_PRIME | 2009-086T14:43:36 | 3:00 | 35N 215W |
| T52 | CIRS_108TI_FIRNADCMP002_PRIME | 2009-094T10:47:47 | 3:00 | 70S 75W |
| T53 | CIRS_109TI_FIRNADCMP001_PRIME | 2009-109T09:13:42 | 5:07 | Downlink |

| | | | | |
|-----|-------------------------------|-------------------|------|----------|
| T54 | CIRS_110I_FIRNADCMP001_PRIME | 2009-126T07:54:16 | 5:00 | 70S 190W |
| T55 | CIRS_111TI_FIRNADCMP002_PRIME | 2009-142T06:26:41 | 3:00 | 25S 5W |
| T56 | CIRS_112TI_FIRNADCMP001_PRIME | 2009-157T06:07:49 | 3:52 | 50N 60W |
| | CIRS_112TI_FIRNADCMP002_PRIME | 2009-158T05:00:01 | 5:00 | 60S 255W |
| T57 | CIRS_113TI_FIRNADCMP001_PRIME | 2009-173T05:05:48 | 3:27 | 15N 75W |
| T58 | CIRS_114TI_FIRNADCMP001_PRIME | 2009-190T02:04:03 | 3:00 | 70S 340W |
| T59 | CIRS_115TI_FIRNADCMP001_PRIME | 2009-205T02:34:04 | 3:00 | 50N 100W |
| T60 | CIRS_116TI_FIRNADCMP001_PRIME | 2009-221T02:01:49 | 2:02 | Downlink |
| T62 | CIRS_119TI_FIRNADCMP001_PRIME | 2009-284T19:36:25 | 3:00 | 25S 105W |
| | CIRS_119TI_FIRNADCMP002_PRIME | 2009-285T17:36:25 | 3:00 | ON 20W |
| T63 | CIRS_122TI_FIRNADCMP001_PRIME | 2009-345T11:05:56 | 3:57 | 40N 0W |
| T64 | CIRS_123TI_FIRNADCMP002_PRIME | 2009-362T09:16:59 | 3:00 | 45S 190W |
| T65 | CIRS_124TI_FIRNADCMP002_PRIME | 2010-013T08:10:37 | 5:00 | ON 170W |
| T66 | CIRS_125TI_FIRNADCMP001_PRIME | 2010-028T08:07:18 | 4:22 | 40N 40W |
| | CIRS_125TI_FIRNADCMP002_PRIME | 2010-029T07:28:49 | 5:00 | 45S 225W |
| T67 | CIRS_129TI_FIRNADCMP001_PRIME | 2010-095T03:44:18 | 2:06 | 45S 110W |
| T68 | CIRS_131TI_FIRNADCMP001_PRIME | 2010-139T14:24:20 | 3:00 | 30S 30W |
| | CIRS_131TI_FIRNADCMP002_PRIME | 2010-140T12:24:20 | 4:00 | 20S 230W |
| T69 | CIRS_132TI_FIRNADCMP002_PRIME | 2010-156T11:26:27 | 3:00 | 50N 195W |
| T70 | CIRS_133TI_FIRNADCMP001_PRIME | 2010-171T12:06:01 | 3:21 | 50S 0W |
| T71 | CIRS_134TI_FIRNADCMP001_PRIME | 2010-187T11:07:45 | 4:15 | 10S 60W |

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|-----|-------------------------------|-------------------|------|--------------|
| T72 | CIRS_138TI_FIRNADCMP001_PRIME | 2010-267T06:12:41 | 3:26 | 30S 40W |
| T73 | CIRS_140TI_FIRNADCMP001_PRIME | 2010-315T00:37:01 | 4:00 | Safing event |
| T76 | CIRS_148TI_FIRNADCMP001_PRIME | 2011-128T09:42:00 | 4:12 | 10S 115W |
| T78 | CIRS_153TI_FIRNADCMP001_PRIME | 2011-254T13:50:06 | 4:00 | 10N 110W |
| T79 | CIRS_158TI_FIRNADCMP501_PRIME | 2011-347T04:20:00 | 6:52 | 30S 330W |
| T80 | CIRS_159TI_FIRNADCMP001_PRIME | 2012-002T01:16:59 | 4:57 | 40S 150W |
| T81 | CIRS_160TI_FIRNADCMP001_PRIME | 2012-029T23:36:01 | 5:04 | 40S 330W |
| | CIRS_160TI_FIRNADCMP002_PRIME | 2012-030T22:39:48 | 5:36 | 0N 240W |
| T82 | CIRS_161TI_FIRNADCMP001_PRIME | 2012-049T20:43:17 | 2:00 | 10N 150W |
| | CIRS_161TI_FIRNADCMP002_PRIME | 2012-050T17:43:17 | 2:06 | 15S 290W |
| T83 | CIRS_166TI_FIRNADCMP001_PRIME | 2012-143T10:10:11 | 5:36 | 15S 170W |
| T84 | CIRS_167TI_FIRNADCMP002_PRIME | 2012-159T09:07:21 | 5:00 | 45S 255W |
| T85 | CIRS_169TI_FIRNADCMP001_PRIME | 2012-206T07:03:07 | 4:00 | 10S 345W |
| T86 | CIRS_172TI_FIRNADCMP001_PRIME | 2012-270T01:10:59 | 4:25 | 45N 315W |
| | CIRS_172TI_FIRNADCMP002_PRIME | 2012-270T23:35:38 | 5:00 | 70S 240W |
| T87 | CIRS_174TI_FIRNADCMP002_PRIME | 2012-318T19:22:08 | 5:00 | 72S 185W |
| T88 | CIRS_175TI_FIRNADCMP001_PRIME | 2012-333T21:26:59 | 2:30 | 15N 60W |
| | CIRS_175TI_FIRNADCMP002_PRIME | 2012-334T17:56:59 | 5:00 | 60S 165W |
| T90 | CIRS_185TI_FIRNADCMP001_PRIME | 2013-095T08:43:31 | 4:00 | 15N 70W |
| | CIRS_185TI_FIRNADCMP002_PRIME | 2013-096T06:43:31 | 5:00 | 89S 245W |
| T91 | CIRS_190TI_FIRNADCMP001_PRIME | 2013-143T04:32:55 | 4:00 | 0N 50W |

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|------|-------------------------------|-------------------|------|-----------|
| | CIRS_190TI_FIRNADCMP002_PRIME | 2013-144T02:32:55 | 5:00 | 45S 300W |
| T92 | CIRS_194TI_FIRNADCMP001_PRIME | 2013-191T01:21:47 | 3:00 | 30N 90W |
| T93 | CIRS_195TI_FIRNADCMP001_PRIME | 2013-206T23:56:22 | 3:00 | 20N 15W |
| T94 | CIRS_197TI_FIRNADCMP001_PRIME | 2013-254T17:43:56 | 5:00 | 60N 110W |
| T95 | CIRS_198TI_FIRNADCMP001_PRIME | 2013-286T16:56:27 | 3:00 | 89N 30W |
| | CIRS_198TI_FIRNADCMP002_PRIME | 2013-287T13:56:27 | 4:53 | 70S 100W |
| T96 | CIRS_199TI_FIRNADCMP001_PRIME | 2013-334T10:41:19 | 5:00 | 90N (FPB) |
| T97 | CIRS_200TI_FIRNADCMP001_PRIME | 2014-001T09:59:41 | 3:00 | 50N 165W |
| | CIRS_200TI_FIRNADCMP002_PRIME | 2014-002T07:21:41 | 4:00 | 60S 45W |
| T98 | CIRS_201TI_FIRNADCMP001_PRIME | 2014-033T05:12:39 | 5:00 | 20N 135W |
| | CIRS_201TI_FIRNADCMP002_PRIME | 2014-034T04:12:39 | 4:00 | 40S 20W |
| T100 | CIRS_203TI_FIRNADCMP001_PRIME | 2014-097T01:41:14 | 3:00 | 75N 90W |
| | CIRS_203TI_FIRNADCMP002_PRIME | 2014-097T22:41:14 | 4:00 | 0N 0W |
| T101 | CIRS_204TI_FIRNADCMP002_PRIME | 2014-138T01:12:15 | 4:00 | 0N 210W |
| T102 | CIRS_205TI_FIRNADCMP001_PRIME | 2014-169T01:28:25 | 3:00 | 45S 300W |
| | CIRS_205TI_FIRNADCMP002_PRIME | 2014-169T22:28:25 | 3:00 | 30N 180W |
| T103 | CIRS_206TI_FIRNADCMP001_PRIME | 2014-200T22:40:58 | 3:00 | 50S 320W |
| | CIRS_206TI_FIRNADCMP002_PRIME | 2014-201T19:40:58 | 3:00 | 30N 240W |
| T104 | CIRS_207TI_FIRNADCMP001_PRIME | 2014-232T20:09:09 | 3:00 | 70S 110W |
| | CIRS_207TI_FIRNADCMP002_PRIME | 2014-233T17:09:09 | 3:00 | 80N 150W |
| T105 | CIRS_208TI_FIRNADCMP001_PRIME | 2014-264T15:23:19 | 5:00 | 80S 300W |

| | | | | |
|------|-------------------------------|-------------------|------|----------|
| | CIRS_208TI_FIRNADCMP002_PRIME | 2014-265T14:38:19 | 2:45 | 60N 270W |
| T106 | CIRS_209TI_FIRNADCMP001_PRIME | 2014-296T14:40:30 | 3:00 | 35S 320W |
| | CIRS_209TI_FIRNADCMP002_PRIME | 2014-297T11:40:30 | 4:00 | 50N 255W |
| T107 | CIRS_210TI_FIRNADCMP001_PRIME | 2014-344T08:26:35 | 5:00 | 70S 0W |
| | CIRS_210TI_FIRNADCMP002_PRIME | 2014-345T07:26:35 | 4:00 | 20S 195W |
| T108 | CIRS_211TI_FIRNADCMP001_PRIME | 2015-011T07:15:35 | 3:33 | 20N 20W |
| | CIRS_211TI_FIRNADCMP002_PRIME | 2015-012T04:48:35 | 4:00 | 40N 160W |
| T109 | CIRS_212TI_FIRNADCMP002_PRIME | 2015-044T02:08:04 | 4:00 | 40S 200W |
| T110 | CIRS_213TI_FIRNADCMP001_PRIME | 2015-075T02:29:49 | 3:00 | 30S 345W |
| | CIRS_213TI_FIRNADCMP002_PRIME | 2015-075T23:29:49 | 4:00 | 25N 205W |
| T111 | CIRS_215TI_FIRNADCMP001_PRIME | 2015-127T09:50:24 | 4:00 | 50S 140W |
| | CIRS_215TI_FIRNADCMP002_PRIME | 2015-128T07:50:24 | 4:00 | 30S 310W |
| T112 | CIRS_218TI_FIRNADCMP001_PRIME | 2015-187T19:09:51 | 4:00 | 20S 40W |
| | CIRS_218TI_FIRNADCMP002_PRIME | 2015-188T17:09:51 | 4:00 | 40S 250W |
| T113 | CIRS_222TI_FIRNADCMP001_PRIME | 2015-271T09:27:12 | 2:10 | |
| | CIRS_222TI_FIRNADCMP002_PRIME | 2015-272T06:37:12 | 4:00 | |
| T115 | CIRS_230TI_FIRNADCMP001_PRIME | 2016-015T12:55:31 | 4:24 | |
| T116 | CIRS_231TI_FIRNADCMP001_PRIME | 2016-031T11:56:59 | 4:03 | |
| | CIRS_231TI_FIRNADCMP002_PRIME | 2016-032T10:00:05 | 4:05 | |
| T117 | CIRS_232TI_FIRNADCMP001_PRIME | 2016-047T10:56:37 | 3:53 | |
| | CIRS_232TI_FIRNADCMP002_PRIME | 2016-048T08:49:41 | 2:00 | |

| | | | | |
|------|-------------------------------|-------------------|------|--|
| T118 | CIRS_234TI_FIRNADCMP001_PRIME | 2016-095T05:42:42 | 5:00 | |
| T119 | CIRS_235TI_FIRNADCMP001_PRIME | 2016-127T04:54:37 | 3:00 | |
| | CIRS_235TI_FIRNADCMP002_PRIME | 2016-128T01:54:37 | 4:00 | |
| T120 | CIRS_236TI_FIRNADCMP001_PRIME | 2016-159T03:33:39 | 1:33 | |
| | CIRS_236TI_FIRNADCMP002_PRIME | 2016-159T23:06:17 | 4:00 | |
| T121 | CIRS_238TI_FIRNADCMP002_PRIME | 2016-207T18:58:23 | 3:30 | |
| T124 | CIRS_248TI_FIRNADCMP001_PRIME | 2016-318T11:55:56 | 3:00 | |
| | CIRS_248TI_FIRNADCMP002_PRIME | 2016-319T08:55:56 | 3:00 | |
| T125 | CIRS_250TI_FIRNADCMP002_PRIME | 2016-335T07:14:32 | 4:00 | |
| T126 | CIRS_270TI_FIRNADCMP001_PRIME | 2017-111T18:08:07 | 3:00 | |

4.3 Graphical Representation of Far-Infrared Nadir Coverage

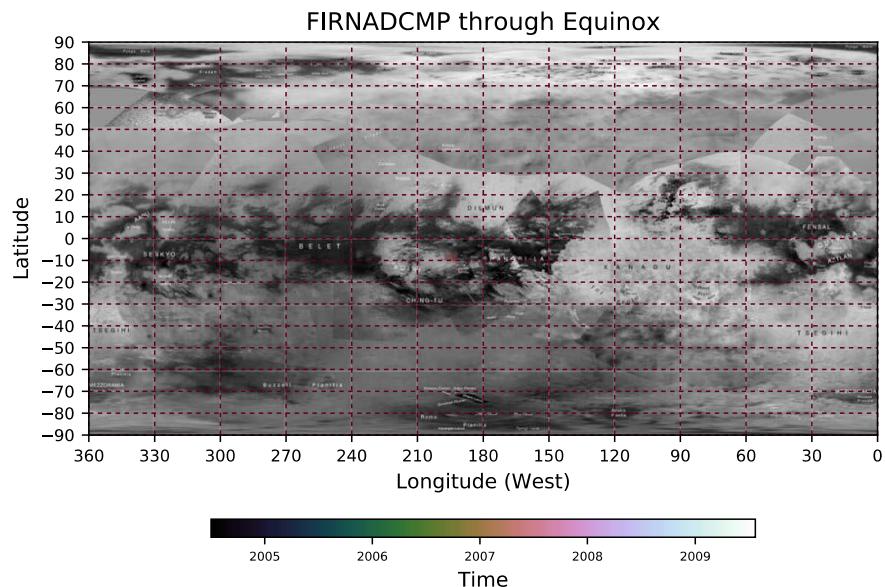
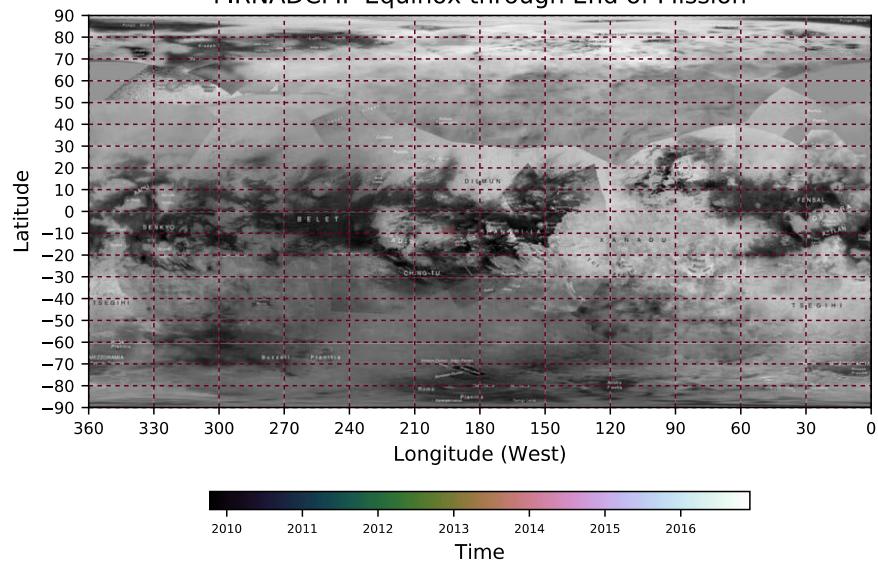
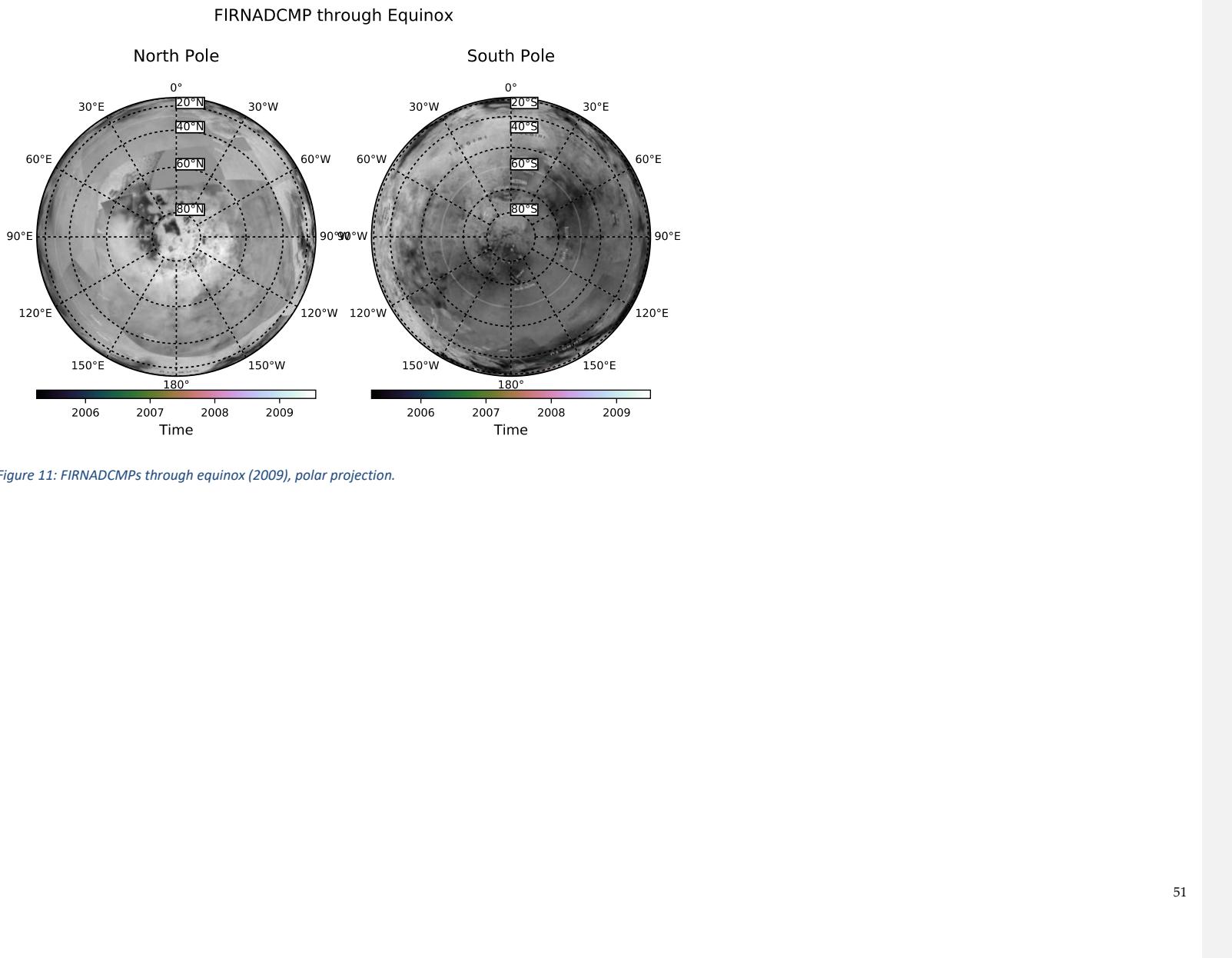


Figure 8: FIRNADCMPs through equinox (2000)

FIRNADCMP Equinox through End of Mission





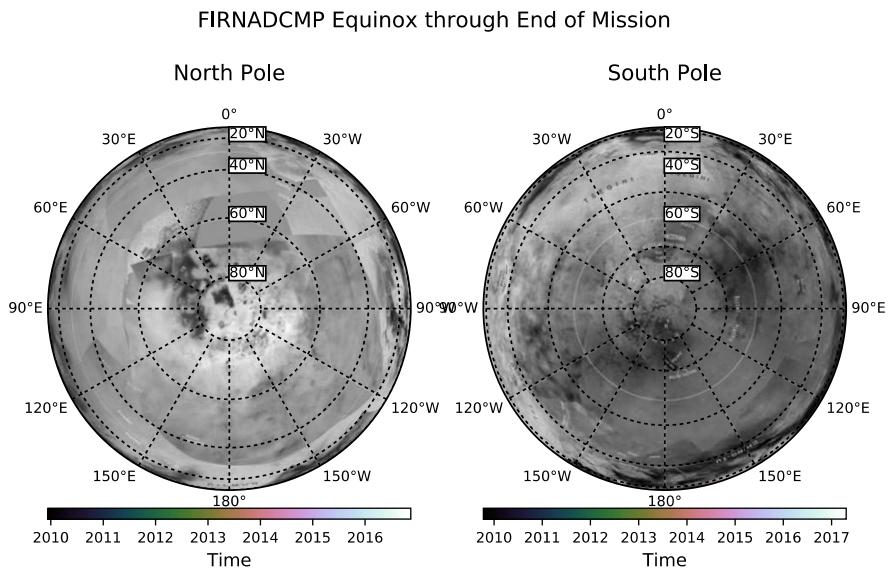


Figure 12: FIRNADCMPs from equinox (2009) to end of mission (2017), polar projection.

5 Mid-infrared Limb Observations

5.1 Observation Descriptions

5.1.1 Mid-infrared Limb Composition Integration (MIRLMBINT)

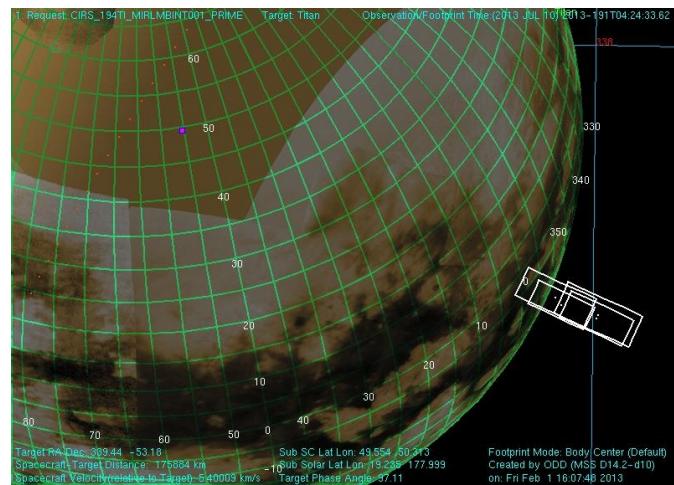
5.1.1.1 Science Description

These sequences are designed to obtain a vertical profile of minor species, as well as to search for new stratospheric species. Similar to a mid-infrared limb map, except that the longer duration of integration allows a spectral resolution of 0.5 cm^{-1} to be obtained at a single location on the limb.

5.1.1.2 Implementation

MIRLMBINT sequences are performed at ranges of 100,000 to 180,000 km, or $\pm 5\text{-}9$ hours from closest approach. The CIRS mid-infrared arrays (FP3 and FP4) are positioned perpendicular to the limb (stepping towards the limb), with integrations centred at two altitudes (two dwells each), [125 and 350 km], in order to retrieve a full profile while maintaining a 20% overlap to allow for pointing uncertainty. The targeted species would be identical to those for a mid-infrared nadir integration; however, the limb-viewing geometry provides better vertical resolution with the arrays.

5.1.1.3 Example: CIRS_193T1_MIRLMBINT001_PRIME



Comment [AMA2]: New document indicates 350 km altitude, also 4 dwells, not sure what the term means with an offset of $\pm 1.822\text{mrad}$ (quantized)

5.1.2 Mid-infrared Limb Map (MIRLMBMAP)

5.1.2.1 Science Description

MIRLMBMAP sequences aim to provide a better vertical temperature resolution in Titan's upper stratosphere and mesosphere. The CIRS mid-infrared focal planes (FP3 and FP4) are used to measure radiances in the ν_4 (1304 cm^{-1}) band of methane. Long durations allow a significant fraction of the limb to be sampled in a single sequence, with a spectral resolution of 15.5 cm^{-1} .

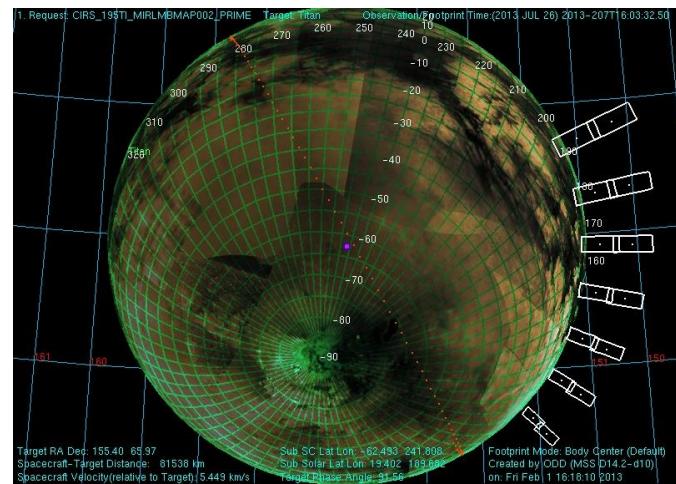
5.1.2.2 Implementation

MIRLMBMAP sequences are performed at a range of 120,000 km, or ± 6 hours from closest approach. The focal planes are positioned perpendicular to the limb (away from the limb), and individual mid-infrared pixels provide a vertical resolution of 36 km, which is typical for this type of observation. Two altitudes are observed at each position on the limb in order to provide a full vertical profile, with integrations of 3 to 4 minutes per altitude ensuring a temperature precision of 0.25 K. An overlap of at least 20% between altitudes ensures a complete profile considering pointing uncertainty. Additionally samples should be conducted over a quarter of the visible disk, for each latitude the offset should be $\pm 2.493\text{ mrad}$ about X. After one location is observed, the arrays are moved to the next position 5 degrees along the limb, with typically a quarter of the limb being covered in a single sequence. The range of limb chosen is generally centered around a flyby stationary point (see Appendix). Note when the SSCLAT point is near the equator, the sampling should be done every 5 degrees of latitude, up to 18 latitudes. At higher SSCLATs, approximate this geometry by reducing the latitude increments.

Comment [AMA3]: Is FPB the focal plane bore?

Comment [AMA4]: Not sure if to stick the 160km altitude in here or not, was it a suggested lower altitude?

5.1.2.3 Example: CIRS_195TL_MIRLMBMAP002



5.1.3 Mid-infrared Limb Pair Observation (MIRLMPAIR)

5.1.3.1 Science Description

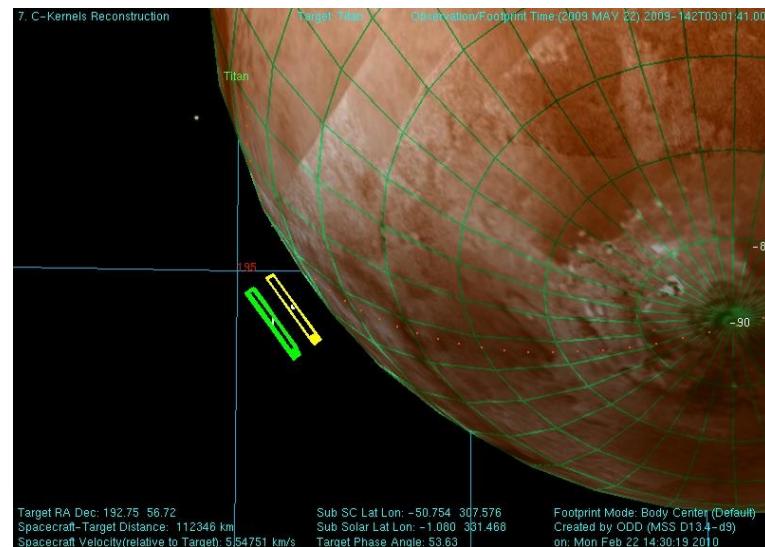
MIRLMPAIR observations were introduced in an attempt to maximise the chances of detecting trace gases and isotopes in the mid-infrared (FP3 and FP4), by using long dwells with the arrays (z) parallel to the limb, rather than usual perpendicular configuration. This places all detectors from each MIR array at approximately the same altitude, allowing them to be coadded. In addition, the PAIR mode is used to gain an additional effective factor two in integration time over the usual ODD/EVEN mode used in MIRLMBINTs. During a 4-hr dwell, this amounts to typically $4 \times 60 \times 5 = 1200$ spectra from each array, equivalent to 2400 ODD/EVEN spectra for signal to noise purposes. Note that some drawbacks to this approach are evident, namely (i) FP3 and FP4 are now at different altitudes, typically meaning that temperatures to interpret FP3 spectra cannot be from FP4 in the same observation, and (ii) since only one altitude is sensed by FP3, choosing the optimum altitude for gtrace gas detection is of high importance, and may not be the same at different latitudes.

5.1.3.2 Implementation

MIRLMPAIR sequences are performed at a range of 100,000–180,000 km, or ± 5 to 9 hours from closest approach. The focal planes are positioned parallel to the limb, and individual mid-infrared pixels provide a vertical resolution of 36 km, and horizontal resolution of ~ 72 km.

Comment [AMA5]: Is FPB the focal plane bore?

5.1.3.3 Example: CIRS_111TI_MIRLMPAIR002_PRIME



5.2 Time-ordered Table of Observations

Table 6: CIRS-led mid-infrared limb observations. For MIRLMBMAP observations, the pointing range given is covered in 5-degree latitude steps.

| Flyby # | Request Name | Start Time | Duration (HR:MN) | Pointing (Lat. range) |
|---------|-------------------------------|-------------------|------------------|-----------------------|
| TB | CIRS_00BTI_MIRLMBINT002_PRIME | 2004-348T16:38:13 | 2:00 | 10S |
| T3 | CIRS_003TI_MIRLMBINT002_PRIME | 2005-045T19:57:53 | 4:00 | 80N |
| T4 | CIRS_005TI_MIRLMBMAP002_PRIME | 2005-091T00:35:16 | 3:30 | 85N – 0N |
| T6 | CIRS_013TI_MIRLMBMAP002_PRIME | 2005-234T01:23:37 | 2:30 | 25N - 35S |
| | CIRS_013TI_MIRLMBMAP003_PRIME | 2005-234T13:53:37 | 2:30 | 40S – 80S |
| T7 | CIRS_014TI_MIRLMBINT002_PRIME | 2005-250T13:30:26 | 3:20 | 20N |
| T8 | CIRS_017TI_MIRLMBMAP003_PRIME | 2005-301T09:55:25 | 3:20 | 85M - 10N |
| T10 | CIRS_020TI_MIRLMBINT002_PRIME | 2006-015T02:41:27 | 4:00 | 55N |
| T13 | CIRS_023TI_MIRLMBMAP004_PRIME | 2006-120T11:58:14 | 2:00 | 0N – 40S |
| | CIRS_023TI_MIRLMBMAP006_PRIME | 2006-120T14:58:14 | 2:00 | 0N – 40N |
| T14 | CIRS_024TI_MIRLMBINT002_PRIME | 2006-140T03:18:11 | 1:30 | 32S |
| | CIRS_024TI_MIRLMBINT003_PRIME | 2006-140T17:18:11 | 5:00 | 50N |
| T15 | CIRS_025TI_MIRLMBINT002_PRIME | 2006-183T01:20:47 | 2:40 | 55S |
| T16 | CIRS_026TI_MIRLMBINT002_PRIME | 2006-202T15:25:26 | 2:00 | 45N |
| | CIRS_026TI_MIRLMBMAP003_PRIME | 2006-203T05:25:26 | 2:15 | 30N – 75N |
| T19 | CIRS_030TI_MIRLMBINT002_PRIME | 2006-282T08:30:07 | 3:40 | 60N |
| | CIRS_030TI_MIRLMBINT003_PRIME | 2006-282T22:50:07 | 2:40 | 30N |

| | | | | |
|-----|-------------------------------|-------------------|------|---------------|
| T20 | CIRS_031TI_MIRLMBMAP004_PRIME | 2006-298T20:28:07 | 3:00 | 15S – 50N |
| T21 | CIRS_035TI_MIRLMBINT004_PRIME | 2006-346T02:41:31 | 1:30 | 15N |
| | CIRS_035TI_MIRLMBINT003_PRIME | 2006-346T18:41:31 | 2:00 | 15N |
| T23 | CIRS_037TI_MIRLMBINT001_PRIME | 2007-012T23:38:31 | 4:00 | 5N |
| T24 | CIRS_038TI_MIRLMBINT002_PRIME | 2007-029T12:15:55 | 4:00 | 30N |
| T25 | CIRS_039TI_MIRLMBMAP001_PRIME | 2007-052T18:12:24 | 3:50 | 25N – 30S |
| T26 | CIRS_040TI_MIRLMBMAP001_PRIME | 2007-068T16:49:00 | 4:00 | 30N-30S |
| T27 | CIRS_041TI_MIRLMBINT001_PRIME | 2007-084T15:23:27 | 4:00 | 20S |
| T28 | CIRS_042TI_MIRLMBINT002_PRIME | 2007-101T02:58:00 | 1:00 | 30S |
| T32 | CIRS_046TI_MIRLMBMAP001_PRIME | 2007-164T08:46:11 | 4:00 | 15N – 80S |
| T35 | CIRS_049TI_MIRLMBINT001_PRIME | 2007-242T21:32:34 | 4:00 | 70N |
| T37 | CIRS_052TI_MIRLMBMAP001_PRIME | 2007-322T15:47:25 | 4:00 | 60S(R)–20S(L) |
| T39 | CIRS_054TI_MIRLMBMAP001_PRIME | 2007-354T13:57:55 | 3:54 | 25S – 75N |
| | CIRS_054TI_MIRLMBINT002_PRIME | 2007-355T04:02:55 | 3:55 | 45S |
| T42 | CIRS_062TI_MIRLMBINT001_PRIME | 2008-085T05:27:48 | 4:00 | 55S |
| | CIRS_062TI_MIRLMBMAP002_PRIME | 2008-085T19:27:48 | 4:00 | 15S-55S |
| T43 | CIRS_067TI_MIRLMBINT002_PRIME | 2008-133T15:01:58 | 4:00 | 40N |
| T45 | CIRS_078TI_MIRLMBMAP002_PRIME | 2008-213T06:58:11 | 3:30 | 0N - 45N |
| T47 | CIRS_093TI_MIRLMBMAP002_PRIME | 2008-325T20:56:28 | 4:00 | omitted |
| T49 | CIRS_098TI_MIRLMBINT001_PRIME | 2008-356T18:29:52 | 3:30 | 15N |
| T50 | CIRS_102TI_MIRLMBINT001_PRIME | 2009-037T23:20:51 | 4:00 | BIU anomaly |

| | | | | |
|-----|-------------------------------|-------------------|------|--------------|
| T51 | CIRS_107TI_MIRLMBINT002_PRIME | 2009-086T09:43:36 | 4:00 | 30S |
| T54 | CIRS_110TI_MIRLMBMAP001_PRIME | 2009-125T13:54:16 | 3:50 | 30N - 20S |
| T55 | CIRS_111TI_MIRLMPAIR002_PRIME | 2009-142T02:26:41 | 4:00 | 25S |
| T59 | CIRS_115TI_MIRLMBMAP001_PRIME | 2009-205T06:34:04 | 4:00 | 0N - 60N |
| | CIRS_115TI_MIRLMBINT002_PRIME | 2009-205T20:34:04 | 2:00 | 65N |
| T61 | CIRS_117TI_MIRLMBINT001_PRIME | 2009-237T03:51:38 | 3:50 | |
| T63 | CIRS_122TI_MIRLMBMAP001_PRIME | 2009-345T16:03:14 | 4:00 | 85N - 0N |
| T64 | CIRS_123TI_MIRLMPAIR001_PRIME | 2009-361T15:16:59 | 4:00 | 75N |
| | CIRS_123TI_MIRLMBINT002_PRIME | 2009-362T05:16:59 | 4:00 | 75N |
| T65 | CIRS_124TI_MIRLMBINT001_PRIME | 2010-012T14:10:36 | 4:00 | 75S |
| | CIRS_124TI_MIRLMBMAP002_PRIME | 2010-013T04:10:36 | 4:00 | 85S - 0N |
| T67 | CIRS_129TI_MIRLMBINT001_PRIME | 2010-095T06:50:39 | 4:00 | 88N |
| T69 | CIRS_132TI_MIRLMBMAP001_PRIME | 2010-155T17:08:27 | 4:18 | 85S - 0N |
| T70 | CIRS_133TI_MIRLMBMAP001_PRIME | 2010-171T16:27:43 | 4:00 | 5N - 85N |
| T71 | CIRS_134TI_MIRLMBINT001_PRIME | 2010-187T15:22:45 | 3:00 | 80S |
| T72 | CIRS_138TI_MIRLMPAIR001_PRIME | 2010-267T09:38:41 | 4:00 | 76N |
| T73 | CIRS_140TI_MILMBMAP001_PRIME | 2010-315T04:37:01 | 4:00 | Safing event |
| T76 | CIRS_148TI_MIRLMBMAP001_PRIME | 2011-128T13:53:45 | 4:00 | 0N - 85N |
| T77 | CIRS_149TI_MIRLMBMAP002_PRIME | 2011-171T23:32:01 | 4:00 | 0N - 85S |
| T78 | CIRS_153TI_MIRLMBINT001_PRIME | 2011-254T17:50:06 | 4:00 | 85S |
| T79 | CIRS_158TI_MIRLMBINT501_PRIME | 2011-347T11:11:24 | 4:00 | 80N |

| | | | | |
|------|-------------------------------|-------------------|------|---------------|
| T80 | CIRS_159TI_MIRLMBMAP001_PRIME | 2012-002T06:13:37 | 4:00 | 75N - 10S |
| T82 | CIRS_161TI_MIRLMBINT001_PRIME | 2012-049T23:43:17 | 4:00 | 45S |
| | CIRS_161TI_MIRLMBMAP002_PRIME | 2012-050T13:43:17 | 4:00 | 0N - 80S |
| T83 | CIRS_166TI_MIRLMBINT001_PRIME | 2012-142T16:10:11 | 4:00 | 0N |
| T84 | CIRS_167TI_MIRLMBINT001_PRIME | 2012-158T15:07:21 | 4:00 | 45N |
| T85 | CIRS_169TI_MIRLMBMAP002_PRIME | 2012-207T01:03:07 | 4:00 | 15S - 65N |
| T88 | CIRS_175TI_MIRLMBMAP001_PRIME | 2012-333T23:56:59 | 4:00 | 50S - 30N |
| T90 | CIRS_185TI_MIRLMBINT001_PRIME | 2013-095T12:43:31 | 4:00 | 25N |
| T91 | CIRS_190TI_MIRLMBMAP001_PRIME | 2013-143T08:32:55 | 3:00 | 35N - 15S |
| T92 | CIRS_194TI_MIRLMBINT001_PRIME | 2013-191T04:21:47 | 3:00 | 20S |
| T93 | CIRS_195TI_MIRLMBMAP002_PRIME | 2013-207T15:56:22 | 5:00 | 15N - 15S |
| T95 | CIRS_198TI_MIRLMPAIR001_PRIME | 2013-286T19:56:27 | 3:00 | 16N |
| | CIRS_198TI_MIRLMBINT001_PRIME | 2013-287T10:56:27 | 3:00 | 2S |
| T96 | CIRS_199TI_MIRLMBINT002_PRIME | 2013-335T05:41:19 | 4:00 | 12N |
| T98 | CIRS_201TI_MIRLMBMAP002_PRIME | 2014-034T01:12:38 | 3:00 | 20N - 25N |
| T101 | CIRS_204TI_MIRLMBINT002_PRIME | 2014-137T21:12:15 | 4:00 | 35S |
| T102 | CIRS_205TI_MIRLMBINT001_PRIME | 2014-169T04:28:25 | 4:44 | 10N |
| | CIRS_205TI_MIRLMBMAP002_PRIME | 2014-169T18:28:25 | 4:00 | 40N - 13S |
| T103 | CIRS_206TI_MIRLMBINT002_PRIME | 2014-201T15:40:58 | 4:00 | 30N |
| T105 | CIRS_208TI_MIRLMBINT001_PRIME | 2014-264T20:23:19 | 3:45 | See MIDIRTMAP |
| | CIRS_208TI_MIRLMBMAP002_PRIME | 2014-265T12:38:19 | 2:00 | 40N - 15N |

| | | | | |
|------|-------------------------------|-------------------|------|-------------------------|
| T106 | CIRS_209TI_MIRLMBINT001_PRIME | 2014-296T17:40:30 | 4:00 | 45S |
| T108 | CIRS_211TI_MIRLMBMAP001_PRIME | 2015-011T10:48:35 | 4:00 | 30S (R) - 55S (L) |
| | CIRS_211TI_MIRLMBINT002_PRIME | 2015-012T00:48:35 | 3:00 | 70N |
| T110 | CIRS_213TI_MIRLMBMAP001_PRIME | 2015-075T05:29:49 | 4:00 | 80S (L) – 85S – 30S (R) |
| | CIRS_213TI_MIRLMBINT002_PRIME | 2015-075T19:29:49 | 4:00 | 80S |
| T111 | CIRS_215TI_MIRLMBMAP002_PRIME | 2015-128T03:50:24 | 4:00 | 80N (L) – 35N (L) |
| T113 | CIRS_222TI_MIRLMBMAP001_PRIME | 2015-271T12:37:12 | 4:00 | |
| T113 | CIRS_222TI_MIRLMBINT002_PRIME | 2015-272T02:37:12 | 4:00 | |
| T114 | CIRS_225TI_MIRLMBMAP001_PRIME | 2015-316T20:46:31 | 4:00 | |
| T115 | CIRS_230TI_MIRLMBMAP002_PRIME | 2016-016T07:20:24 | 4:00 | |
| T116 | CIRS_231TI_MIRLMBINT001_PRIME | 2016-031T16:00:05 | 4:00 | |
| | CIRS_231TI_MIRLMBMAP002_PRIME | 2016-032T06:00:05 | 4:00 | |
| T117 | CIRS_232TI_MIRLMBINT001_PRIME | 2016-047T14:49:41 | 4:00 | |
| | CIRS_232TI_MIRLMBMAP002_PRIME | 2016-048T04:49:41 | 4:00 | |
| T119 | CIRS_235TI_MIRLMBMAP001_PRIME | 2016-127T07:54:37 | 4:00 | |
| T120 | CIRS_236TI_MIRLMBINT001_PRIME | 2016-159T05:06:17 | 4:00 | |
| | CIRS_236TI_MIRLMBMAP002_PRIME | 2016-159T19:06:17 | 4:00 | |
| T121 | CIRS_238TI_MIRLMBINT002_PRIME | 2016-207T00:15:43 | 4:43 | |
| T124 | CIRS_248TI_MIRLMBMAP002_PRIME | 2016-319T04:55:56 | 4:00 | |
| T125 | CIRS_250TI_MIRLMBINT002_PRIME | 2016-335T03:14:32 | 4:00 | |
| N/A | CIRS_259TI_MIRLMBMAP002_PRIME | 2017-032T20:21:00 | 5:15 | |

| | | | | |
|-----|-------------------------------|-------------------|------|--|
| N/A | CIRS_261TI_MIRLMBMAP001_PRIME | 2017-048T08:41:00 | 4:00 | |
| | CIRS_261TI_MIRLMBINT001_PRIME | 2017-048T13:41:00 | 3:00 | |
| N/A | CIRS_275TI_MIRLMBINT001_PRIME | 2017-143T16:44:00 | 6:34 | |
| | CIRS_275TI_MIRLMBMAP002_PRIME | 2017-144T06:33:00 | 4:00 | |

5.3 Graphical Representation of Mid-Infrared Limb Coverage

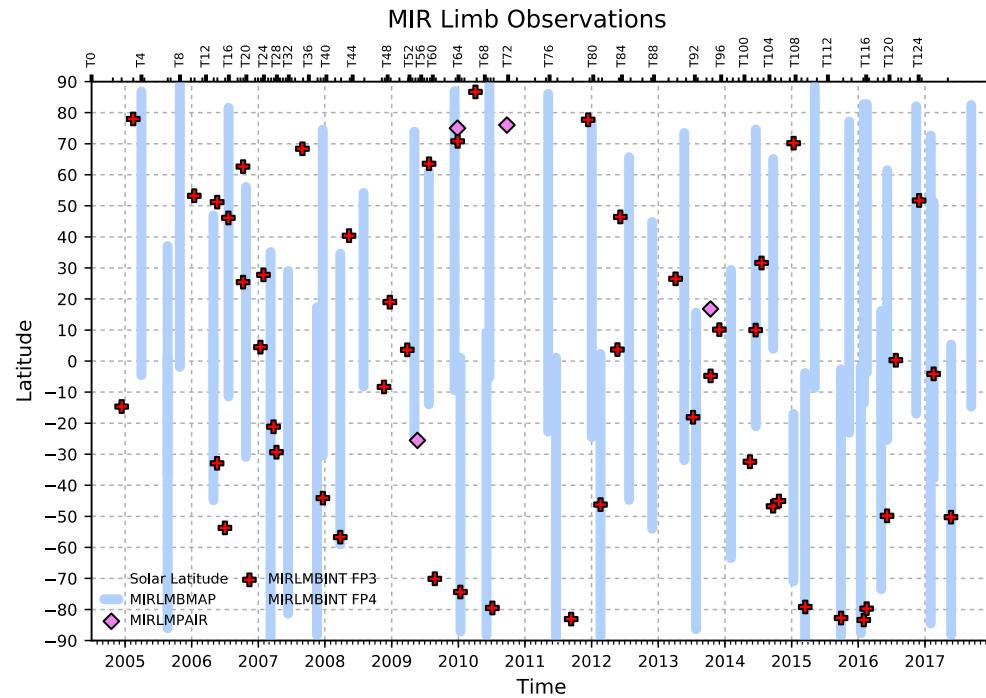


Figure 13: latitude vs time coverage of CIRS mid-infrared limb observations.

6 Mid-infrared Nadir Temperature Maps (MIDIRTMAP)

6.1 Mid-Infrared Nadir Observations

6.1.1 Observation Description

6.1.1.1 Science Description

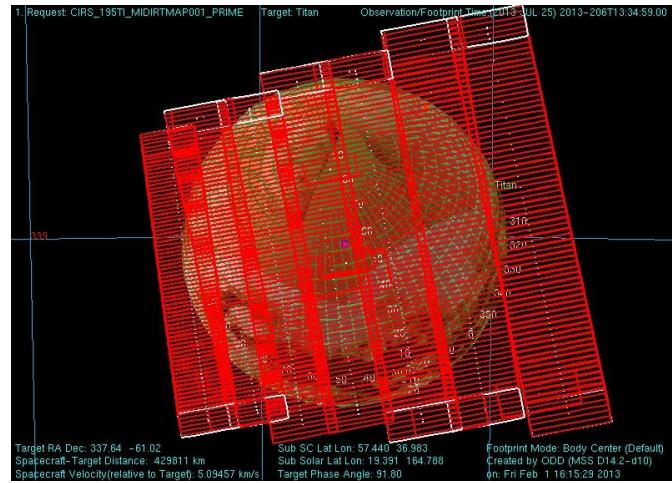
MIDIRTMAP sequences map temperatures in the upper stratosphere of Titan by measuring radiances in the ν_4 (1304 cm^{-1}) band of methane, obtained using the CIRS mid-infrared focal planes (FP3 and FP4).

6.1.1.2 Implementation

MIDIRTMAP sequences are typically executed within a range of 380,000 km, or ± 19 hours from closest approach. The map is completed as a series of continuous slews executed in a push-broom fashion, covering the entire visible hemisphere with a spectral resolution of 3cm^{-1} , which ensures a precision of 0.25 K in retrieved temperatures. Typically 6 slews are required to cover the disk, of about 2.6 mrad in X between the scan legs, allowing for pointing uncertainty and around 20% overlap of consecutive slews, at a slew-rate of 4 \mu rads^{-1} . If time permits, deep-space calibrations are performed at the beginning or end of the sequence by positioning the focal planes beyond Titan's exosphere for a period of at least 10 minutes.

Comment [AMA6]: Is the scan the same as a leg? More lingo.

6.1.1.3 Example: CIRS_195T1_MIDIRTMAP001_PRIME



6.2 Time-ordered Table of Observations

Table 7: CIRS Mid-infrared nadir mapping observations

| Flyby # | Request Name | Start Time | Duration (HR:MN) |
|---------|-------------------------------|-------------------|------------------|
| TA | CIRS_00ATI_MIDIRTMAP001_PRIME | 2004-299T17:30:09 | 5:15 |
| TB | CIRS_00BTI_MIDIRTMAP001_PRIME | 2004-347T15:13:13 | 8:25 |
| T3 | CIRS_003TI_MIDIRTMAP002_PRIME | 2005-045T09:57:53 | 9:00 |
| | CIRS_003TI_MIDIRTMAP003_PRIME | 2005-046T18:57:53 | 4:20 |
| T4 | CIRS_005TI_MIDIRTMAP003_PRIME | 2005-091T08:05:16 | 6:30 |
| T6 | CIRS_013TI_MIDIRTMAP007_PRIME | 2005-234T20:53:37 | 7:03 |
| T7 | CIRS_014TI_MIDIRTMAP006_PRIME | 2005-249T06:00:00 | 5:00 |
| | CIRS_014TI_MIDIRTMAP005_PRIME | 2005-250T20:11:57 | 6:11 |
| T8 | CIRS_017TI_MIDIRTMAP008_PRIME | 2005-300T01:24:00 | 7:00 |
| | CIRS_017TI_MIDIRTMAP005_PRIME | 2005-301T16:15:25 | 7:48 |
| T9 | CIRS_019TI_MIDIRTMAP009_PRIME | 2005-361T14:04:00 | 13:33 |
| T10 | CIRS_020TI_MIDIRTMAP010_PRIME | 2006-014T14:23:27 | 9:18 |
| T14 | CIRS_024TI_MIDIRTMAP001_PRIME | 2006-141T01:18:11 | 2:00 |
| | CIRS_024TI_MIDIRTMAP002_PRIME | 2006-141T06:18:11 | 2:58 |
| T15 | CIRS_025TI_MIDIRTMAP002_PRIME | 2006-183T23:50:47 | 7:54 |
| T17 | CIRS_028TI_MIDIRTMAP006_PRIME | 2006-249T21:56:51 | 7:20 |

| | | | |
|-----|-------------------------------|-------------------|------|
| T18 | CIRS_029TI_MIDIRTMAP004_PRIME | 2006-265T20:58:49 | 7:00 |
| T19 | CIRS_030TI_MIDIRTMAP006_PRIME | 2006-281T20:16:07 | 6:14 |
| T21 | CIRS_035TI_MIDIRTMAP006_PRIME | 2006-345T16:08:31 | 4:03 |
| T22 | CIRS_036TI_MIDIRTMAP006_PRIME | 2006-361T15:04:22 | 5:01 |
| T23 | CIRS_037TI_MIDIRTMAP001_PRIME | 2007-012T14:23:31 | 2:15 |
| | CIRS_037TI_MIDIRTMAP002_PRIME | 2007-012T17:38:31 | 2:00 |
| | CIRS_037TI_MIDIRTMAP003_PRIME | 2007-013T22:38:31 | 3:25 |
| T24 | CIRS_038TI_MIDIRTMAP001_PRIME | 2007-028T13:00:55 | 2:15 |
| | CIRS_038TI_MIDIRTMAP002_PRIME | 2007-029T21:15:55 | 5:14 |
| T25 | CIRS_039TI_MIDIRTMAP001_PRIME | 2007-052T12:12:24 | 2:00 |
| | CIRS_039TI_MIDIRTMAP002_PRIME | 2007-053T17:12:24 | 7:15 |
| T26 | CIRS_040TI_MIDIRTMAP001_PRIME | 2007-068T11:08:00 | 1:41 |
| T27 | CIRS_041TI_MIDIRTMAP001_PRIME | 2007-084T09:07:27 | 2:16 |
| T28 | CIRS_042TI_MIDIRTMAP002_PRIME | 2007-101T12:58:00 | 7:14 |
| T30 | CIRS_044TI_MIDIRTMAP001_PRIME | 2007-132T05:45:58 | 1:24 |
| | CIRS_044TI_MIDIRTMAP002_PRIME | 2007-133T10:09:58 | 1:19 |
| T32 | CIRS_046TI_MIDIRTMAP002_PRIME | 2007-165T07:46:11 | 2:15 |
| T34 | CIRS_048TI_MIDIRTMAP001_PRIME | 2007-199T01:48:20 | 7:23 |
| T35 | CIRS_049TI_MIDIRTMAP002_PRIME | 2007-243T21:32:34 | 6:00 |
| T36 | CIRS_050TI_MIDIRTMAP002_PRIME | 2007-275T18:42:43 | 8:46 |
| T37 | CIRS_052TI_MIDIRTMAP002_PRIME | 2007-323T14:47:25 | 7:00 |

| | | | |
|-----|-------------------------------|-------------------|-------------|
| T38 | CIRS_053TI_MIDIRTMAP002_PRIME | 2007-339T14:06:50 | 9:37 |
| T40 | CIRS_055TI_MIDIRTMAP002_PRIME | 2008-006T11:30:20 | 7:00 |
| T41 | CIRS_059TI_MIDIRTMAP002_PRIME | 2008-054T12:32:07 | 2:53 |
| T43 | CIRS_067TI_MIDIRTMAP002_PRIME | 2008-134T02:46:58 | 6:30 |
| T44 | CIRS_069TI_MIDIRTMAP001_PRIME | 2008-148T10:24:32 | 6:00 |
| T45 | CIRS_078TI_MIDIRTMAP001_PRIME | 2008-212T08:05:21 | 4:07 |
| T46 | CIRS_091TI_MIDIRTMAP001_PRIME | 2008-307T20:17:34 | BIU anomaly |
| | CIRS_091TI_MIDIRTMAP002_PRIME | 2008-309T07:35:24 | omitted |
| T47 | CIRS_093TI_MIDIRTMAP002_PRIME | 2008-325T05:56:28 | 2:00 |
| T48 | CIRS_096TI_MIDIRTMAP001_PRIME | 2008-341T04:25:45 | 3:06 |
| T49 | CIRS_097TI_MIDIRTMAP001_PRIME | 2008-355T17:24:32 | 6:35 |
| | CIRS_098TI_MIDIRTMAP002_PRIME | 2008-357T02:29:52 | 3:30 |
| T50 | CIRS_102TI_MIDIRTMAP002_PRIME | 2009-038T18:50:51 | BIU anomaly |
| | CIRS_102TI_MIDIRTMAP003_PRIME | 2009-038T22:20:51 | |
| T51 | CIRS_106TI_MIDIRTMAP001_PRIME | 2009-085T11:00:31 | 3:43 |
| | CIRS_107TI_MIDIRTMAP002_PRIME | 2009-086T18:13:36 | 5:12 |
| T52 | CIRS_107TI_MIDIRTMAP001_PRIME | 2009-093T10:29:34 | 1:48 |
| | CIRS_108TI_MIDIRTMAP002_PRIME | 2009-094T15:47:47 | 7:37 |
| T53 | CIRS_109TI_MIDIRTMAP002_PRIME | 2009-110T14:20:45 | Downlink |
| T54 | CIRS_110TI_MIDIRTMAP001_PRIME | 2009-125T08:11:47 | 4:42 |
| T55 | CIRS_111TI_MIDIRTMAP001_PRIME | 2009-141T07:09:49 | 1:17 |

| | | | |
|-----|-------------------------------|-------------------|--------------|
| | CIRS_111TI_MIDIRTMAP002_PRIME | 2009-142T11:26:41 | 8:00 |
| T57 | CIRS_113TI_MIDIRTMAP002_PRIME | 2009-174T08:32:35 | 8:00 |
| T59 | CIRS_115TI_MIDIRTMAP001_PRIME | 2009-204T23:34:04 | 3:00 |
| T62 | CIRS_119TI_MIDIRTMAP001_PRIME | 2009-284T14:45:21 | 4:21 |
| T63 | CIRS_122TI_MIDIRTMAP002_PRIME | 2009-346T15:03:14 | 5:00 |
| T64 | CIRS_123TI_MIDIRTMAP001_PRIME | 2009-361T10:07:24 | 4:10 |
| T65 | CIRS_124TI_CLOUDMAP001_VIMS | 2010-012T09:07:41 | 2:53 |
| | CIRS_124TI_MIDIRTMAP002_PRIME | 2010-013T13:10:37 | 5:21 |
| T68 | CIRS_131TI_MIDIRTMAP001_PRIME | 2010-139T08:10:04 | 5:44 |
| | CIRS_131TI_MIDIRTMAP002_PRIME | 2010-140T16:24:20 | 4:40 |
| T73 | CIRS_140TI_MIDIRTMAP001_PRIME | 2010-314T21:14:00 | Safing event |
| T74 | CIRS_145TI_MIDIRTMAP001_PRIME | 2011-048T21:26:11 | 6:38 |
| | CIRS_145TI_MIDIRTMAP002_PRIME | 2011-050T04:04:11 | 6:31 |
| T76 | CIRS_148TI_MIDIRTMAP002_PRIME | 2011-129T12:53:45 | 8:13 |
| T77 | CIRS_149TI_MIDIRTMAP002_PRIME | 2011-172T08:32:01 | 9:45 |
| T78 | CIRS_153TI_MIDIRTMAP001_PRIME | 2011-254T07:42:00 | 6:08 |
| T79 | CIRS_158TI_MIDIRTMAP002_PRIME | 2011-348T10:11:24 | 2:29 |
| T82 | CIRS_161TI_MIDIRTMAP001_PRIME | 2012-049T15:54:00 | 4:49 |
| T84 | CIRS_167TI_MIDIRTMAP001_PRIME | 2012-158T08:24:00 | 2:43 |
| | CIRS_167TI_MIDIRTMAP002_PRIME | 2012-159T14:07:21 | 7:12 |
| T85 | CIRS_169TI_MIDIRTMAP001_PRIME | 2012-205T21:32:59 | 9:30 |

| | | | |
|------|-------------------------------|-------------------|-------|
| T86 | CIRS_172TI_MIDIRTMAP002_PRIME | 2012-271T04:35:39 | 14:45 |
| T87 | CIRS_174TI_MIDIRTMAP001_PRIME | 2012-317T14:55:59 | 6:26 |
| | CIRS_174TI_MIDIRTMAP002_PRIME | 2012-319T00:22:08 | 5:14 |
| T88 | CIRS_175TI_MIDIRTMAP002_PRIME | 2012-334T22:56:59 | 11:43 |
| T89 | CIRS_181TI_MIDIRTMAP001_PRIME | 2013-047T09:20:59 | 2:30 |
| | CIRS_181TI_MIDIRTMAP002_PRIME | 2013-048T13:56:36 | 8:19 |
| T90 | CIRS_185TI_MIDIRTMAP001_PRIME | 2013-095T05:56:00 | 2:48 |
| | CIRS_185TI_MIDIRTMAP002_PRIME | 2013-096T11:43:31 | 5:52 |
| T91 | CIRS_190TI_MIDIRTMAP001_PRIME | 2013-143T02:41:00 | 1:52 |
| | CIRS_190TI_MIDIRTMAP002_PRIME | 2013-144T07:32:55 | 8:03 |
| T93 | CIRS_195TI_MIDIRTMAP001_PRIME | 2013-206T13:33:59 | 8:22 |
| T94 | CIRS_197TI_MIDIRTMAP001_PRIME | 2013-254T08:57:59 | 8:46 |
| T95 | CIRS_198TI_MIDIRTMAP001_PRIME | 2013-286T07:09:59 | 7:46 |
| T96 | CIRS_199TI_MIDIRTMAP001_PRIME | 2013-334T04:40:00 | 6:01 |
| T97 | CIRS_200TI_MIDIRTMAP001_PRIME | 2014-001T02:42:59 | 5:17 |
| | CIRS_200TI_MIDIRTMAP002_PRIME | 2014-002T10:59:41 | 3:23 |
| T98 | CIRS_201TI_MIDIRTMAP001_PRIME | 2014-033T00:46:59 | 4:26 |
| | CIRS_201TI_MIDIRTMAP002_PRIME | 2014-034T08:12:39 | 5:59 |
| T99 | CIRS_202TI_MIDIRTMAP002_PRIME | 2014-066T04:26:47 | 7:19 |
| T100 | CIRS_203TI_MIDIRTMAP001_PRIME | 2014-096T20:39:59 | 3:01 |
| | CIRS_203TI_MIDIRTMAP002_PRIME | 2014-098T02:41:14 | 8:24 |

| | | | |
|------|-------------------------------|-------------------|------|
| T101 | CIRS_204TI_MIDIRTMAP001_PRIME | 2014-136T17:55:59 | 3:46 |
| | CIRS_204TI_MIDIRTMAP002_PRIME | 2014-138T05:12:15 | 2:54 |
| T102 | CIRS_205TI_MIDIRTMAP001_PRIME | 2014-168T15:39:00 | 7:49 |
| | CIRS_205TI_MIDIRTMAP002_PRIME | 2014-170T01:28:25 | 3:06 |
| T103 | CIRS_206TI_MIDIRTMAP001_PRIME | 2014-200T13:20:59 | 7:20 |
| T104 | CIRS_207TI_MIDIRTMAP001_PRIME | 2014-232T11:15:59 | 6:53 |
| | CIRS_207TI_MIDIRTMAP002_PRIME | 2014-233T22:09:09 | 2:17 |
| T105 | CIRS_208TI_MIDIRTMAP001_PRIME | 2014-264T09:11:59 | 6:11 |
| | | | |
| | CIRS_208TI_MIDIRTMAP002_PRIME | 2014-265T17:23:19 | 2:44 |
| T106 | CIRS_209TI_MIDIRTMAP001_PRIME | 2014-296T07:10:00 | 5:31 |
| | CIRS_209TI_MIDIRTMAP002_PRIME | 2014-297T15:40:30 | 3:10 |
| T107 | CIRS_210TI_MIDIRTMAP001_PRIME | 2014-344T04:25:00 | 4:02 |
| | CIRS_210TI_MIDIRTMAP002_PRIME | 2014-345T11:26:35 | 4:38 |
| T108 | CIRS_211TI_MIDIRTMAP001_PRIME | 2015-012T08:48:35 | 6:03 |
| T109 | CIRS_212TI_MIDIRTMAP002_PRIME | 2015-044T06:08:04 | 8:17 |
| T110 | CIRS_213TI_MIDIRTMAP001_PRIME | 2015-074T22:50:00 | 3:39 |
| | CIRS_213TI_MIDIRTMAP002_PRIME | 2015-076T03:29:49 | 8:31 |
| T111 | CIRS_215TI_MIDIRTMAP001_PRIME | 2015-127T05:09:59 | 4:41 |
| | CIRS_215TI_MIDIRTMAP002_PRIME | 2015-128T11:50:24 | 5:29 |
| T112 | CIRS_218TI_MIDIRTMAP001_PRIME | 2015-187T12:27:00 | 6:42 |

| | | | |
|------|-------------------------------|-------------------|--------------|
| | CIRS_218TI_MIDIRTMAP002_PRIME | 2015-188T21:09:51 | 3:54 |
| T113 | CIRS_222TI_MIDIRTMAP002_PRIME | 2015-272T10:37:12 | 000T05:44:46 |
| T114 | CIRS_225TI_MIDIRTMAP001_PRIME | 2015-316T06:53:59 | 000T08:52:32 |
| T117 | CIRS_232TI_MIDIRTMAP002_PRIME | 2016-048T10:49:41 | 000T04:00:19 |
| T118 | CIRS_234TI_MIDIRTMAP001_PRIME | 2016-094T19:59:00 | 000T09:43:42 |
| T119 | CIRS_235TI_MIDIRTMAP001_PRIME | 2016-126T20:09:00 | 000T06:45:37 |
| | CIRS_235TI_MIDIRTMAP002_PRIME | 2016-128T05:54:37 | 000T03:24:23 |
| T120 | CIRS_236TI_MIDIRTMAP002_PRIME | 2016-160T03:06:17 | 000T03:52:22 |
| T121 | CIRS_238TI_MIDIRTMAP002_PRIME | 2016-207T22:28:23 | 000T05:03:37 |
| T123 | CIRS_243TI_MIDIRTMAP001_PRIME | 2016-270T10:07:58 | 000T04:09:01 |
| T124 | CIRS_248TI_MIDIRTMAP001_PRIME | 2016-318T07:24:00 | 000T02:31:56 |
| | CIRS_248TI_MIDIRTMAP002_PRIME | 2016-319T13:55:56 | 000T04:53:04 |
| T125 | CIRS_250TI_MIDIRTMAP002_PRIME | 2016-335T11:14:32 | 000T06:33:28 |
| N/A | CIRS_253TI_MIDIRTMAP001_PRIME | 2016-350T10:16:00 | 000T06:05:00 |
| N/A | CIRS_253TI_MIDIRTMAP002_PRIME | 2016-350T22:21:00 | 000T04:00:00 |
| N/A | CIRS_253TI_MIDIRTMAP003_PRIME | 2016-351T05:51:00 | 000T01:30:00 |
| N/A | CIRS_253TI_MIDIRTMAP004_PRIME | 2016-351T08:21:00 | 000T02:12:00 |
| N/A | CIRS_259TI_MIDIRTMAP001_PRIME | 2017-032T09:19:00 | 000T03:47:00 |
| N/A | CIRS_259TI_MIDIRTMAP002_PRIME | 2017-033T02:36:00 | 000T07:00:00 |
| N/A | CIRS_261TI_MIDIRTMAP001_PRIME | 2017-048T02:31:00 | 000T05:10:00 |
| N/A | CIRS_270TI_MIDIRTMAP001_PRIME | 2017-111T13:24:58 | 000T02:43:09 |

| | | | |
|-----|-------------------------------|-------------------|--------------|
| N/A | CIRS_270TI_MIDIRTMAP002_PRIME | 2017-112T19:08:07 | 000T09:52:51 |
| N/A | CIRS_273TI_MIDIRTMAP001_PRIME | 2017-127T19:02:00 | 000T03:00:00 |
| N/A | CIRS_275TI_MIDIRTMAP002_PRIME | 2017-144T11:33:00 | 000T04:00:00 |
| N/A | CIRS_278TI_MIDIRTMAP001_PRIME | 2017-159T12:26:00 | 000T03:00:00 |
| N/A | CIRS_278TI_MIDIRTMAP002_PRIME | 2017-159T16:26:00 | 000T03:00:00 |
| N/A | CIRS_278TI_MIDIRTMAP003_PRIME | 2017-159T20:26:00 | 000T02:00:00 |
| N/A | CIRS_278TI_MIDIRTMAP004_PRIME | 2017-159T23:26:00 | 000T03:00:00 |
| N/A | CIRS_278TI_MIDIRTMAP005_PRIME | 2017-160T03:26:00 | 000T03:00:00 |
| N/A | CIRS_278TI_MIDIRTMAP006_PRIME | 2017-160T07:26:00 | 000T02:54:00 |
| N/A | CIRS_283TI_MIDIRTMAP001_PRIME | 2017-191T09:06:00 | 000T04:15:00 |
| N/A | CIRS_283TI_MIDIRTMAP002_PRIME | 2017-191T14:21:00 | 000T04:45:00 |
| N/A | CIRS_283TI_MIDIRTMAP003_PRIME | 2017-191T20:36:00 | 000T03:00:00 |
| N/A | CIRS_287TI_MIDIRTMAP001_PRIME | 2017-222T16:51:00 | 000T06:40:00 |
| N/A | CIRS_292TI_MIDIRTMAP001_PRIME | 2017-254T06:22:00 | 000T02:54:00 |
| N/A | CIRS_292TI_MIDIRTMAP002_PRIME | 2017-255T07:46:00 | 000T05:00:00 |
| N/A | CIRS_293TI_MIDIRTMAP003_PRIME | 2017-255T13:46:00 | 000T04:30:00 |

6.3 Graphical representation of spatial coverage

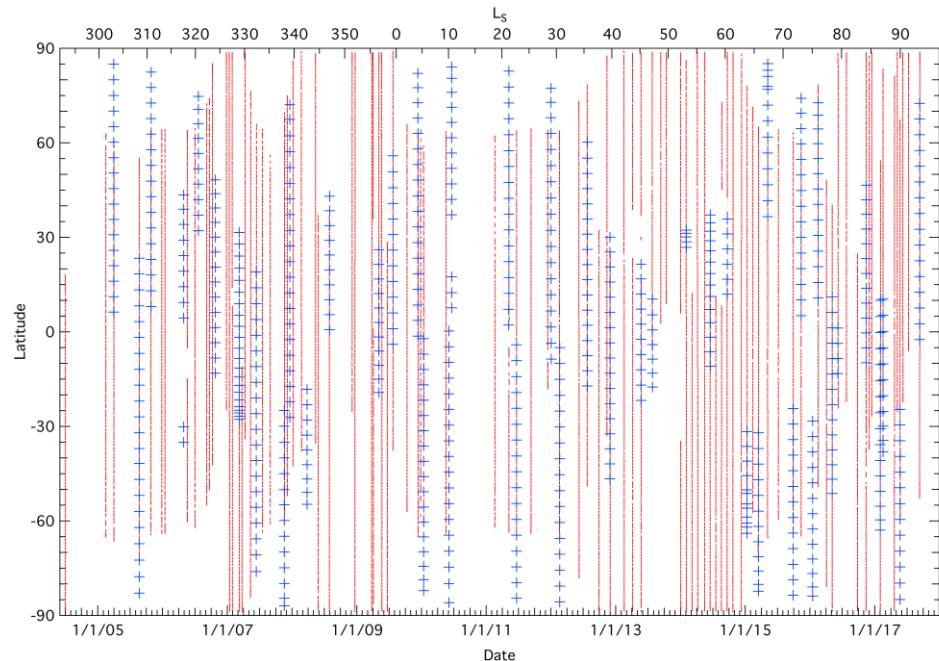


Figure 14: CIRS mid-infrared nadir (red) and limb (blue) observation coverage.

7 Distant Observations

7.1 Observation Descriptions

7.1.1 Composition Maps (COMPMAPs)

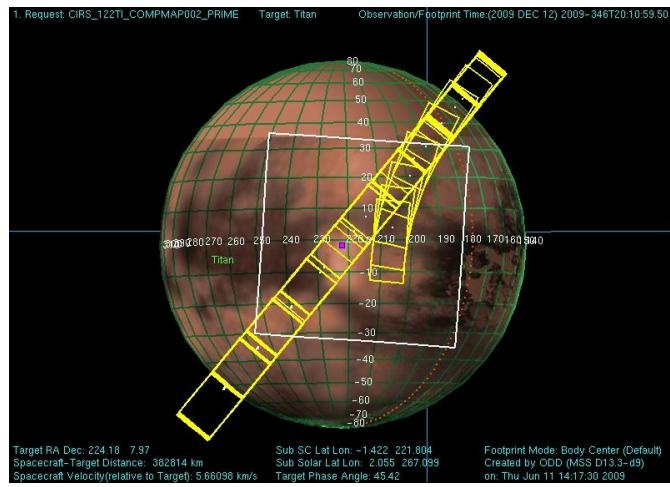
7.1.1.1 *Science Description*

COMPMAp sequences are designed to search for new species and/or monitor temperatures.

7.1.1.2 *Implementation*

These observations are generally around 300,000 to 700,000 km distant from Titan, or ± 15 to ± 35 hours from closest approach. FP3/FP4 are either stepped across the disk in a N-S or E-W transects, or they stare at one or two areas of interest for the duration of the observation. Duration is variable, generally between 2 and 6 hours.

7.1.1.3 *Example: CIRS_122T1_COMPMAP002_PRIME*



This is an example COMPMAP sequence, CIRS_122TI_COMPMAP002_PRIME

7.1.2 Titan Explorations at Apoapse (TEAs)

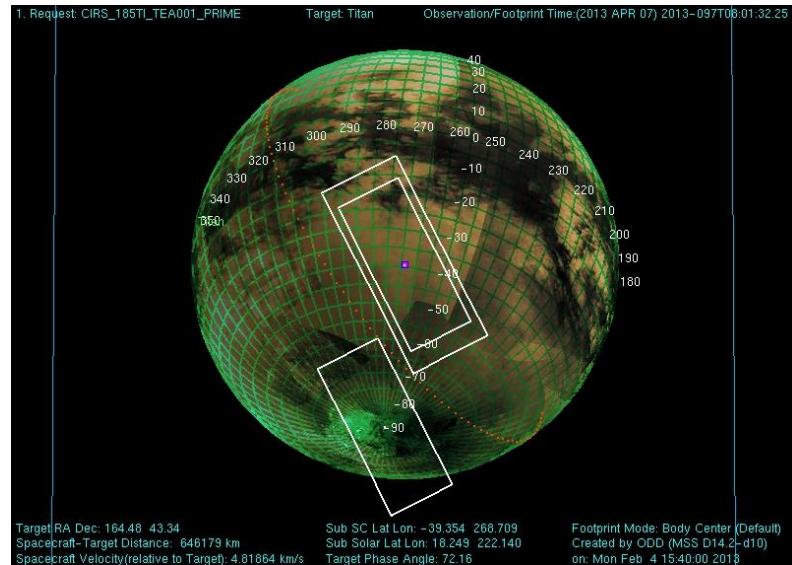
7.1.2.1 Science Description

TEA sequences are similar to COMPMAPs, but at a greater distance from Titan, they are designed to search for new species and/or monitor temperatures.

7.1.2.2 Implementation

TEA sequences occur at 800,000 to 2 million km from Titan and for a longer duration of 12 to 36 hours, or between 40 and 100 hours from closest approach. ISS rides, and when angular diameter is greater than 6 mrad (range less than 860,000 km), an ISS NAC mosaic is performed at intervals until Titan is contained within a NAC field of view.

7.1.2.3 Example: CIRS_185TI_TEA001_PRIME



7.2 Time-ordered Table of Observations

Table 8: CIRS distant Titan observations.

| Flyby # | Request Name | Start Time | Duration (HR:MN) |
|---------|-----------------------------|-------------------|------------------|
| B | CIRS_00BTI_COMPMAP003_ISS | 2004-346T08:03:00 | 000T15:57:00 |
| | CIRS_009TI_COMPMAP002_PRIME | 2005-157T09:30:00 | 000T06:30:00 |
| | CIRS_010TI_COMPMAP003_PRIME | 2005-173T03:00:00 | 000T11:00:00 |
| | CIRS_015TI_COMPMAP005_PRIME | 2005-267T19:50:00 | 000T08:15:00 |

| | | | |
|--|-----------------------------|-------------------|--------------|
| | CIRS_016TI_COMPMAP006_PRIME | 2005-282T20:27:00 | 000T11:00:00 |
| | CIRS_022TI_COMPMAP002_PRIME | 2006-076T08:20:00 | 000T13:59:00 |
| | CIRS_030TI_COMPMAP007_PRIME | 2006-283T19:30:00 | 000T03:50:00 |
| | CIRS_031TI_COMPMAP008_PRIME | 2006-296T11:26:00 | 000T14:00:00 |
| | CIRS_031TI_COMPMAP101_VIMS | 2006-298T15:48:07 | 000T00:30:00 |
| | CIRS_031TI_COMPMAP001_VIMS | 2006-298T23:58:07 | 000T02:30:00 |
| | CIRS_033TI_COMPMAP009_PRIME | 2006-328T18:15:00 | 000T10:45:00 |
| | CIRS_035TI_COMPMAP010_PRIME | 2006-344T19:17:00 | 000T10:30:00 |
| | CIRS_036TI_COMPMAP024_PRIME | 2006-360T19:49:00 | 000T09:00:00 |
| | CIRS_037TI_COMPMAP026_PRIME | 2007-011T16:13:00 | 000T09:51:00 |
| | CIRS_037TI_COMPMAP012_PRIME | 2007-014T14:04:00 | 000T02:00:00 |
| | CIRS_038TI_COMPMAP013_PRIME | 2007-026T17:51:00 | 000T09:00:00 |
| | CIRS_040TI_COMPMAP026_PRIME | 2007-067T19:51:00 | 000T04:00:00 |
| | CIRS_041TI_COMPMAP028_PRIME | 2007-083T16:50:00 | 000T04:00:00 |
| | CIRS_041TI_COMPMAP029_PRIME | 2007-086T07:42:00 | 000T15:22:00 |
| | CIRS_041TI_COMPMAP030_PRIME | 2007-087T08:45:00 | 000T05:30:00 |
| | CIRS_043TI_COMPMAP002_PRIME | 2007-117T11:32:58 | 000T00:42:00 |
| | CIRS_044TI_COMPMAP015_PRIME | 2007-134T02:43:00 | 000T08:00:00 |
| | CIRS_048TI_COMPMAP013_PRIME | 2007-198T10:40:00 | 000T04:00:00 |
| | CIRS_051TI_COMPMAP016_PRIME | 2007-292T20:53:00 | 000T11:00:00 |
| | CIRS_051TI_COMPMAP017_PRIME | 2007-293T20:23:00 | 000T03:07:00 |

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| | CIRS_051TI_COMPMAP018_PRIME | 2007-294T02:00:00 | 000T06:23:00 |
| | CIRS_052TI_COMPMAP016_PRIME | 2007-323T21:47:25 | 000T02:19:09 |
| | CIRS_052TI_COMPMAP015_PRIME | 2007-324T10:27:00 | 000T07:00:00 |
| | CIRS_055TI_COMPMAP001_PRIME | 2008-006T18:30:20 | 000T03:14:00 |
| | CIRS_057TI_COMPMAP018_PRIME | 2008-022T14:11:00 | 000T07:54:00 |
| | CIRS_059TI_COMPMAP001_PRIME | 2008-052T12:06:00 | 000T06:15:00 |
| | CIRS_062TI_COMPMAP019_PRIME | 2008-087T01:50:00 | 000T21:30:00 |
| | CIRS_066TI_COMPMAP021_PRIME | 2008-118T07:17:00 | 000T07:00:00 |
| | CIRS_067TI_COMPMAP001_PRIME | 2008-134T09:16:58 | 000T03:04:00 |
| | CIRS_069TI_COMPMAP001_PRIME | 2008-148T08:19:32 | 000T02:05:00 |
| | CIRS_072TI_COMPMAP021_PRIME | 2008-165T09:40:00 | 000T08:00:00 |
| | CIRS_083TI_COMPMAP001_PRIME | 2008-244T17:04:00 | 000T07:46:00 |
| | CIRS_103TI_COMPMAP001_PRIME | 2009-044T13:13:00 | 000T08:17:00 |
| | CIRS_122TI_COMPMAP002_PRIME | 2009-346T20:03:14 | 000T04:00:00 |
| | CIRS_123TI_COMPMAP001_PRIME | 2009-363T15:32:00 | 000T08:00:00 |
| | CIRS_124TI_COMPMAP002_PRIME | 2010-013T18:31:36 | 000T03:39:00 |
| | CIRS_128TI_COMPMAP001_PRIME | 2010-078T03:49:00 | 000T07:15:00 |
| | CIRS_131TI_COMPMAP001_PRIME | 2010-141T09:40:00 | 000T08:00:00 |
| | CIRS_134TI_COMPMAP001_PRIME | 2010-189T12:49:00 | 000T10:10:00 |
| | CIRS_139TI_COMPMAP001_PRIME | 2010-287T04:52:00 | 000T13:30:00 |
| | CIRS_140TI_COMPMAP001_PRIME | 2010-316T22:00:00 | 000T08:00:00 |

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| | CIRS_140TI_COMPMAP002_PRIME | 2010-319T09:19:00 | 000T08:00:00 |
| | CIRS_143TI_COMPMAP001_PRIME | 2011-014T17:05:00 | 000T10:10:00 |
| | CIRS_149TI_TEA001_PRIME | 2011-173T09:00:00 | 000T07:30:00 |
| | CIRS_149TI_TEA002_PRIME | 2011-174T05:42:00 | 000T21:00:00 |
| | CIRS_149TI_TEA003_PRIME | 2011-175T11:42:00 | 000T15:00:00 |
| | CIRS_149TI_TEA004_PRIME | 2011-176T11:42:00 | 001T13:29:00 |
| | CIRS_154TI_COMPMAP001_PRIME | 2011-269T22:50:00 | 000T06:00:00 |
| | CIRS_155TI_TEA003_PRIME | 2011-297T05:00:00 | 000T19:00:00 |
| | CIRS_155TI_TEA004_PRIME | 2011-298T14:32:00 | 000T13:15:00 |
| | CIRS_155TI_TEA005_PRIME | 2011-299T14:17:00 | 000T13:30:00 |
| | CIRS_156TI_TEA003_PRIME | 2011-303T14:02:00 | 000T13:30:00 |
| | CIRS_156TI_TEA004_PRIME | 2011-304T14:02:00 | 000T13:30:00 |
| | CIRS_156TI_TEA005_PRIME | 2011-305T14:02:00 | 001T04:45:00 |
| | CIRS_156TI_TEA006_PRIME | 2011-307T03:47:00 | 000T15:00:00 |
| | CIRS_157TI_COMPMAP001_PRIME | 2011-331T18:00:00 | 000T15:34:00 |
| | CIRS_158TI_TEA001_PRIME | 2011-350T11:20:00 | 000T15:00:00 |
| | CIRS_160TI_TEA002_PRIME | 2012-032T15:57:00 | 001T07:30:00 |
| | CIRS_160TI_TEA003_PRIME | 2012-034T08:27:00 | 000T15:00:00 |
| | CIRS_160TI_TEA004_PRIME | 2012-035T08:27:00 | 000T20:45:00 |
| | CIRS_160TI_TEA005_PRIME | 2012-038T17:22:00 | 000T11:10:00 |
| | CIRS_161TI_TEA001_PRIME | 2012-042T17:08:00 | 000T11:10:00 |

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| | CIRS_181TI_TEAO01_PRIME | 2013-049T09:46:00 | 001T01:41:00 |
| | CIRS_181TI_TEAO02_PRIME | 2013-050T21:57:00 | 000T23:30:00 |
| | CIRS_182TI_TEAO01_PRIME | 2013-052T07:57:00 | 000T21:00:00 |
| | CIRS_182TI_TEAO02_PRIME | 2013-053T15:52:00 | 000T11:10:00 |
| | CIRS_185TI_TEAO01_PRIME | 2013-097T07:36:00 | 000T10:55:00 |
| | CIRS_186TI_TEAO01_PRIME | 2013-098T05:01:00 | 000T14:45:00 |
| | CIRS_186TI_TEAO02_PRIME | 2013-099T04:46:00 | 000T15:00:00 |
| | CIRS_202TI_TEAO01_PRIME | 2014-061T21:56:00 | 000T15:00:00 |
| | CIRS_202TI_TEAO02_PRIME | 2014-062T21:56:00 | 000T15:00:00 |
| | CIRS_202TI_TEAO03_PRIME | 2014-063T21:56:00 | 000T13:30:00 |
| | CIRS_206TI_TEAFP1001_PRIME | 2014-191T00:00:00 | 000T13:00:00 |
| | CIRS_206TI_TEAO02_PRIME | 2014-191T13:00:00 | 000T13:27:00 |
| | CIRS_206TI_TEAO03_PRIME | 2014-192T12:57:00 | 001T13:15:00 |
| | CIRS_219TI_TEAO01_PRIME | 2015-204T13:06:00 | 000T13:20:00 |
| | CIRS_219TI_TEAO02_PRIME | 2015-205T12:56:00 | 000T13:30:00 |
| | CIRS_233TI_TEAO01_PRIME | 2016-066T16:00:00 | 000T08:00:00 |
| | CIRS_241TI_TEAO02_PRIME | 2016-240T11:23:00 | 001T11:20:00 |
| | CIRS_252TI_COMPMAP001_PRIME | 2016-350T06:16:00 | 000T04:00:00 |
| | CIRS_253TI_COMPMAP001_PRIME | 2016-350T17:21:00 | 000T04:00:00 |
| | CIRS_253TI_COMPMAP002_PRIME | 2016-351T03:21:00 | 000T01:30:00 |
| | CIRS_259TI_COMPMAP001_PIE | 2017-032T14:06:00 | 000T05:15:00 |

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| | CIRS_259TI_COMPMAP002_PRIME | 2017-033T09:36:00 | 000T05:45:00 |
| | CIRS_268TI_COMPMAP001_PIE | 2017-097T02:36:00 | 000T05:47:00 |
| | CIRS_268TI_COMPMAP002_PIE | 2017-097T09:23:00 | 000T05:16:00 |
| | CIRS_271TI_COMPMAP001_PRIME | 2017-113T23:36:00 | 000T11:36:00 |
| | CIRS_278TI_COMPMAP001_PRIME | 2017-159T08:26:00 | 000T03:00:00 |
| | CIRS_280TI_COMPMAP001_PIE | 2017-176T00:28:00 | 000T04:24:00 |
| | CIRS_283TI_COMPMAP001_PRIME | 2017-191T04:20:00 | 000T03:46:00 |
| | CIRS_283TI_COMPMAP002_PRIME | 2017-192T00:36:00 | 000T03:42:00 |
| | CIRS_283TI_COMPMAP003_PRIME | 2017-192T08:04:00 | 000T01:51:00 |
| | CIRS_285TI_COMPMAP001_PRIME | 2017-207T21:51:00 | 000T01:30:00 |
| | CIRS_287TI_COMPMAP001_PIE | 2017-223T00:31:00 | 000T05:00:00 |
| | CIRS_288TI_COMPMAP001_PIE | 2017-223T06:31:00 | 000T05:00:00 |
| | CIRS_288TI_COMPMAP002_PIE | 2017-223T12:31:00 | 000T04:30:00 |
| | CIRS_288TI_COMPMAP003_PIE | 2017-223T18:01:00 | 000T06:15:00 |
| | CIRS_290TI_COMPMAP001_PIE | 2017-240T00:19:00 | 000T04:16:00 |
| | CIRS_292TI_COMPMAP001_PRIME | 2017-255T03:46:00 | 000T03:00:00 |
| | CIRS_293TI_COMPMAP002_PRIME | 2017-255T18:46:00 | 000T02:20:00 |

7.3 Graphical representation of spatial coverage

None.

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Interns Mark de Cates (Oxford University), Alex Brooks (Univ. MD) assisted with earlier versions of this document.

Planning

This section of the Titan target notebook contains a detailed view of the observation planning, design, and development as they were prepared and intended to execute on the spacecraft. It is important to note that the user MAY find small differences in pointing or timing between what was planned and what executed on board. CIRS planned 2388 observations of Titan over the course of the Cassini mission which are in the time ordered listing included in this section.

The time ordered listing contains the name, the start time, duration, and end time for each Titan observation. If the observation was within a moveable block of time, there will be an entry in the Epoch column – a simplistic way to use this information is as an alert to the user that there may be a shift in the start and end time due to a change in the time of closest approach to the target (time of flight error).

The name itself gives much information about the observation. The naming convention is complex enough that a decoder ring has been provided below:

In the example of CIRS_000TI_TEMPMAP101_PRIME , CIRS (first 4 characters indicate the instrument that is collecting data); 000TI (second group of 5 characters indicate the Cassini revolution or orbit number is 000 and the target id – in this case TI is Titan); TEMPMAP101 (the third group of 10 characters indicates that this observation is a temperature map and that it is the first in a series of similar/repeatable observations in the revolution or orbit); PRIME (the last 5 characters indicate that CIRS controlled the pointing of the spacecraft for this observation).

It is important to note that in many cases CIRS collected data while other instruments controlled the pointing – this category of observations were called “riders” or “collaborative riders”. This class of observations are easily identified by the last few characters in the observation name – ie UVIS, VIMS, ISS, SI (support imaging), and RIDER.

For each observation in the time ordered listing, there exists ancillary data that was generated during the integration and implementation process. There is a graphical image (ODD plot) that depicts the target at some point of time in the observation – this can give the user a quick look at the placement and spatial resolution of the CIRS field of views. The planned pointing and instrument commanding can be viewed in the shortform (sfot) text file. The planned c-kernels (ck) provide the highest level of detailed pointing available for the observation. Cubes exist for all the observations and are delivered with our data to the atmospheric node of PDS however we are providing those for all the CIRS rider observations as capturing all the ancillary files for each rider was very time consuming and out of the scope of our budget. These files are all accessible by hyper-link from the time-ordered listing.

In addition, rows in the TOL highlighted in orange are observations lost in execution due to instrument or spacecraft anomaly. Details are available in the Database section of this handbook.

| Observation Name | Start Time | Epoch | Duration | End Time | SPASS Type | ODD plots | SASF | SFOF | PEF | CK |
|--------------------------------|-------------------|------------------------------|--------------|-------------------|-------------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_000TI_APPROACH005_ISS | 2004-162T13:37:00 | | | 000T00:30:00 | 2004-162T14:07:00 | SPASS Rider | | | | |
| CIRS_000TI_APPROACH002_ISS | 2004-169T01:22:00 | | | 000T00:30:00 | 2004-169T01:52:00 | SPASS Rider | | | | |
| CIRS_000TI_APPROACH001_ISS | 2004-171T12:07:00 | | | 000T00:30:00 | 2004-171T12:37:00 | SPASS Rider | | | | |
| CIRS_000TI_APPROACH004_ISS | 2004-174T07:42:00 | | | 000T00:30:00 | 2004-174T08:12:00 | SPASS Rider | | | | |
| CIRS_000TI_FIRNADCMP108_ISS | 2004-184T01:56:21 | GMB_E000_Titan0-000T07:34:00 | 000T01:34:00 | 2004-184T03:30:21 | SPASS Rider | | | | | |
| CIRS_000TI_TEMPMAPI01_PRIME | 2004-184T03:30:21 | GMB_E000_Titan0-000T06:00:00 | 000T01:22:00 | 2004-184T04:52:21 | Prime | CIRS_000TI_TEMPMAPI01_PRIME.jpg | CIRS_000TI_TEMPMAPI01_PRIME.sasf | CIRS_000TI_TEMPMAPI01_PRIME.sof | CIRS_000TI_TEMPMAPI01_PRIME.pef | CIRS_000TI_TEMPMAPI01_PRIME.ck |
| CIRS_000TI_TEMPMAPI01_SI | 2004-184T03:30:21 | GMB_E000_Titan0-000T06:00:00 | 000T01:22:00 | 2004-184T04:52:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP202_ISS | 2004-184T04:52:21 | GMB_E000_Titan0-000T04:38:00 | 000T00:24:00 | 2004-184T05:16:21 | SPASS Rider | | | | | |
| CIRS_000TI_TEMPMAPI02_PRIME | 2004-184T05:16:21 | GMB_E000_Titan0-000T04:14:00 | 000T01:24:00 | 2004-184T06:40:21 | Prime | CIRS_000TI_TEMPMAPI02_PRIME.jpg | CIRS_000TI_TEMPMAPI02_PRIME.sasf | CIRS_000TI_TEMPMAPI02_PRIME.sof | CIRS_000TI_TEMPMAPI02_PRIME.pef | CIRS_000TI_TEMPMAPI02_PRIME.ck |
| CIRS_000TI_TEMPMAPI02_SI | 2004-184T05:16:21 | GMB_E000_Titan0-000T04:14:00 | 000T01:24:00 | 2004-184T06:40:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP201_ISS | 2004-184T06:40:21 | GMB_E000_Titan0-000T02:50:00 | 000T00:24:00 | 2004-184T07:04:21 | SPASS Rider | | | | | |
| CIRS_000TI_TEMPMAPI03_PRIME | 2004-184T07:04:21 | GMB_E000_Titan0-000T02:26:00 | 000T01:26:00 | 2004-184T08:30:21 | Prime | CIRS_000TI_TEMPMAPI03_PRIME.jpg | CIRS_000TI_TEMPMAPI03_PRIME.sasf | CIRS_000TI_TEMPMAPI03_PRIME.sof | CIRS_000TI_TEMPMAPI03_PRIME.pef | CIRS_000TI_TEMPMAPI03_PRIME.ck |
| CIRS_000TI_TEMPMAPI03_SI | 2004-184T07:04:21 | GMB_E000_Titan0-000T02:26:00 | 000T01:26:00 | 2004-184T08:30:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP109_ISS | 2004-184T08:30:21 | GMB_E000_Titan0-000T01:00:00 | 000T00:09:00 | 2004-184T08:39:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP103_VIMS | 2004-184T08:39:21 | GMB_E000_Titan0-000T00:51:00 | 000T00:51:00 | 2004-184T09:30:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP107_ISS | 2004-184T09:30:21 | GMB_E000_Titan0-000T00:00:00 | 000T01:00:00 | 2004-184T10:30:21 | SPASS Rider | | | | | |
| CIRS_000TI_TEMPMAPI04_PRIME | 2004-184T10:30:21 | GMB_E000_Titan0+000T01:00:00 | 000T04:00:00 | 2004-184T14:30:21 | Prime | CIRS_000TI_TEMPMAPI04_PRIME.jpg | CIRS_000TI_TEMPMAPI04_PRIME.sasf | CIRS_000TI_TEMPMAPI04_PRIME.sof | CIRS_000TI_TEMPMAPI04_PRIME.pef | CIRS_000TI_TEMPMAPI04_PRIME.ck |
| CIRS_000TI_TEMPMAPI04_SI | 2004-184T10:30:21 | GMB_E000_Titan0+000T01:00:00 | 000T04:00:00 | 2004-184T14:30:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP104_VIMS | 2004-184T14:30:21 | GMB_E000_Titan0+000T05:00:00 | 000T00:45:00 | 2004-184T15:15:21 | SPASS Rider | | | | | |
| CIRS_000TI_TEMPMAPI05_PRIME | 2004-184T15:15:21 | GMB_E000_Titan0+000T05:45:00 | 000T01:45:00 | 2004-184T17:00:21 | Prime | CIRS_000TI_TEMPMAPI05_PRIME.jpg | CIRS_000TI_TEMPMAPI05_PRIME.sasf | CIRS_000TI_TEMPMAPI05_PRIME.sof | CIRS_000TI_TEMPMAPI05_PRIME.pef | CIRS_000TI_TEMPMAPI05_PRIME.ck |
| CIRS_000TI_TEMPMAPI05_SI | 2004-184T15:15:21 | GMB_E000_Titan0+000T05:45:00 | 000T01:45:00 | 2004-184T17:00:21 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP017_PRIME | 2004-185T01:00:00 | | 000T02:15:00 | 2004-185T03:15:00 | Prime | CIRS_000TI_FIRNADCMP017_PRIME.jpg | CIRS_000TI_FIRNADCMP017_PRIME.sasf | CIRS_000TI_FIRNADCMP017_PRIME.sof | CIRS_000TI_FIRNADCMP017_PRIME.pef | CIRS_000TI_FIRNADCMP017_PRIME.ck |
| CIRS_000TI_FIRNADCMP017_SI | 2004-185T01:00:00 | | 000T02:15:00 | 2004-185T03:15:00 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCMP005_VIMS | 2004-185T03:15:00 | | 000T00:45:00 | 2004-185T04:00:00 | SPASS Rider | | | | | |
| CIRS_000TI_FIRNADCPMP001_PRIME | 2004-185T04:00:00 | | 000T06:00:00 | 2004-185T10:00:00 | Prime | CIRS_000TI_FIRNADCPMP001_PRIME.jpg | CIRS_000TI_FIRNADCPMP001_PRIME.sasf | CIRS_000TI_FIRNADCPMP001_PRIME.sof | CIRS_000TI_FIRNADCPMP001_PRIME.pef | CIRS_000TI_FIRNADCPMP001_PRIME.ck |
| CIRS_000TI_FIRNADCPMP001_SI | 2004-185T04:00:00 | | 000T06:00:00 | 2004-185T10:00:00 | SPASS Rider | | | | | |
| CIRS_000TI_MIDIRTMAP007_ISS | 2004-185T10:00:00 | | 000T01:00:00 | 2004-185T11:00:00 | SPASS Rider | | | | | |
| CIRS_00ATI_MIDIRTMAP001_PRIME | 2004-299T17:30:09 | GMB_E00A_TitanA-000T22:00:00 | 000T05:15:00 | 2004-299T22:45:09 | Prime | CIRS_00ATI_MIDIRTMAP001_PRIME.jpg | CIRS_00ATI_MIDIRTMAP001_PRIME.sasf | CIRS_00ATI_MIDIRTMAP001_PRIME.sof | CIRS_00ATI_MIDIRTMAP001_PRIME.pef | CIRS_00ATI_MIDIRTMAP001_PRIME.ck |
| CIRS_00ATI_MIDIRTMAP001_SI | 2004-299T17:30:09 | GMB_E00A_TitanA-000T22:00:00 | 000T05:15:00 | 2004-299T22:45:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADCPMP008_ISS | 2004-299T22:45:09 | GMB_E00A_TitanA-000T16:45:00 | 000T01:15:00 | 2004-300T00:00:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADCPMP001_PRIME | 2004-300T00:00:09 | GMB_E00A_TitanA-000T15:30:00 | 000T04:00:00 | 2004-300T04:00:09 | Prime | CIRS_00ATI_FIRNADCPMP001_PRIME.jpg | CIRS_00ATI_FIRNADCPMP001_PRIME.sasf | CIRS_00ATI_FIRNADCPMP001_PRIME.sof | CIRS_00ATI_FIRNADCPMP001_PRIME.pef | CIRS_00ATI_FIRNADCPMP001_PRIME.ck |
| CIRS_00ATI_FIRNADCPMP001_SI | 2004-300T00:00:09 | GMB_E00A_TitanA-000T15:30:00 | 000T04:00:00 | 2004-300T04:00:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADCPMP009_VIMS | 2004-300T04:00:09 | GMB_E00A_TitanA-000T11:30:00 | 000T06:30:00 | 2004-300T10:30:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADCPMP007_ISS | 2004-300T10:30:09 | GMB_E00A_TitanA-000T05:00:00 | 000T03:12:00 | 2004-300T13:42:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADCPMP009_RIDER | 2004-300T13:42:09 | GMB_E00A_TitanA-000T01:48:00 | 000T00:21:00 | 2004-300T14:03:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADMAP004_VIMS | 2004-300T14:45:09 | GMB_E00A_TitanA-000T00:45:00 | 000T00:32:00 | 2004-300T15:17:09 | SPASS Rider | | | | | |
| CIRS_00ATI_FIRNADCPMP006_UVIS | 2004-300T20:30:09 | GMB_E00A_TitanA+000T05:00:00 | 000T03:15:00 | 2004-300T23:45:09 | SPASS Rider | | | | | |
| CIRS_00BTI_COMPMAP003_ISS | 2004-346T08:03:00 | | 000T15:57:00 | 2004-347T00:00:00 | SPASS Rider | | | | | |
| CIRS_00BTI_MIDIRTMAP001_PRIME | 2004-347T15:13:13 | GMB_E00B_TitanB-000T20:25:00 | 000T08:25:00 | 2004-347T23:38:13 | Prime | CIRS_00BTI_MIDIRTMAP001_PRIME.jpg | CIRS_00BTI_MIDIRTMAP001_PRIME.sasf | CIRS_00BTI_MIDIRTMAP001_PRIME.sof | CIRS_00BTI_MIDIRTMAP001_PRIME.pef | CIRS_00BTI_MIDIRTMAP001_PRIME.ck |
| CIRS_00BTI_MIDIRTMAP001_SI | 2004-347T15:13:13 | GMB_E00B_TitanB-000T20:25:00 | 000T08:25:00 | 2004-347T23:38:13 | SPASS Rider | | | | | |
| CIRS_00BTI_FIRNADCPMP001_PRIME | 2004-347T23:38:13 | GMB_E00B_TitanB-000T12:00:00 | 000T04:00:00 | 2004-348T03:38:13 | Prime | CIRS_00BTI_FIRNADCPMP001_PRIME.jpg | CIRS_00BTI_FIRNADCPMP001_PRIME.sasf | CIRS_00BTI_FIRNADCPMP001_PRIME.sof | CIRS_00BTI_FIRNADCPMP001_PRIME.pef | CIRS_00BTI_FIRNADCPMP001_PRIME.ck |
| CIRS_00BTI_FIRNADCPMP001_SI | 2004-347T23:38:13 | GMB_E00B_TitanB-000T12:00:00 | 000T04:00:00 | 2004-348T03:38:13 | SPASS Rider | | | | | |
| CIRS_00BTI_FIRNADMAP001_UVIS | 2004-348T03:38:13 | GMB_E00B_TitanB-000T08:00:00 | 000T04:00:00 | 2004-348T07:38:13 | SPASS Rider | | | | | |

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|-------------------------------|-------------------|-------------------------------|--------------|-------------------|-------------|-----------------------------------|-----------------------------------|------------------------------------|-----------------------------------|----------------------------------|
| CIRS_017TI_FIRNADCMP003_PRIME | 2005-301T13:15:25 | GMB_E017_Titan8+000T09:00:00 | 000T03:00:00 | 2005-301T16:15:25 | Prime | CIRS_017TI_FIRNADCMP003_PRIME.jpg | CIRS_017TI_FIRNADCMP003_PRIME.saf | CIRS_017TI_FIRNADCMP003_PRIME.sfof | CIRS_017TI_FIRNADCMP003_PRIME.pef | CIRS_017TI_FIRNADCMP003_PRIME.ck |
| CIRS_017TI_FIRNADCMP003_SI | 2005-301T13:15:25 | GMB_E017_Titan8+000T09:00:00 | 000T03:00:00 | 2005-301T16:15:25 | SPASS Rider | | | | | |
| CIRS_017TI_MIDIRTMAP005_PRIME | 2005-301T16:15:25 | GMB_E017_Titan8+000T12:00:00 | 000T07:48:50 | 2005-302T00:04:15 | Prime | CIRS_017TI_MIDIRTMAP005_PRIME.jpg | CIRS_017TI_MIDIRTMAP005_PRIME.saf | CIRS_017TI_MIDIRTMAP005_PRIME.sfof | CIRS_017TI_MIDIRTMAP005_PRIME.pef | CIRS_017TI_MIDIRTMAP005_PRIME.ck |
| CIRS_017TI_MIDIRTMAP005_SI | 2005-301T16:15:25 | GMB_E017_Titan8+000T12:00:00 | 000T07:48:50 | 2005-302T00:04:15 | SPASS Rider | | | | | |
| CIRS_019TI_FIRNADCMP002_PRIME | 2005-360T07:49:30 | GMB_E019_Titan9+000T11:10:00 | 000T02:10:00 | 2005-360T09:59:30 | Prime | CIRS_019TI_FIRNADCMP002_PRIME.jpg | CIRS_019TI_FIRNADCMP002_PRIME.saf | CIRS_019TI_FIRNADCMP002_PRIME.sfof | CIRS_019TI_FIRNADCMP002_PRIME.pef | CIRS_019TI_FIRNADCMP002_PRIME.ck |
| CIRS_019TI_FIRNADCMP002_SI | 2005-360T07:49:30 | GMB_E019_Titan9+000T11:10:00 | 000T02:10:00 | 2005-360T09:59:30 | SPASS Rider | | | | | |
| CIRS_019TI_FIRNADMAP006_VIMS | 2005-360T09:59:30 | GMB_E019_Titan9+000T09:00:00 | 000T04:00:00 | 2005-360T13:59:30 | SPASS Rider | | | | | |
| CIRS_019TI_FIRNADMAP007_ISS | 2005-360T13:59:30 | GMB_E019_Titan9+000T05:00:00 | 000T01:00:00 | 2005-360T14:59:30 | SPASS Rider | | | | | |
| CIRS_019TI_FIRNADCMPO03_UVIS | 2005-360T14:59:30 | GMB_E019_Titan9+000T04:00:00 | 000T08:30:00 | 2005-360T21:29:30 | SPASS Rider | | | | | |
| CIRS_019TI_FIRNADCMPO05_UVIS | 2005-360T21:29:30 | GMB_E019_Titan9+000T02:30:00 | 000T06:24:00 | 2005-361T03:53:30 | SPASS Rider | | | | | |
| CIRS_019TI_MIDIRTMAP009_PRIME | 2005-361T14:04:00 | | 000T13:33:00 | 2005-362T03:37:00 | Prime | CIRS_019TI_MIDIRTMAP009_PRIME.jpg | CIRS_019TI_MIDIRTMAP009_PRIME.saf | CIRS_019TI_MIDIRTMAP009_PRIME.sfof | CIRS_019TI_MIDIRTMAP009_PRIME.pef | CIRS_019TI_MIDIRTMAP009_PRIME.ck |
| CIRS_020TI_MIDIRTMAP010_PRIME | 2006-014T14:23:27 | GMB_E020_Titan10+000T21:18:00 | 000T09:18:00 | 2006-014T23:41:27 | Prime | CIRS_020TI_MIDIRTMAP010_PRIME.jpg | CIRS_020TI_MIDIRTMAP010_PRIME.saf | CIRS_020TI_MIDIRTMAP010_PRIME.sfof | CIRS_020TI_MIDIRTMAP010_PRIME.pef | CIRS_020TI_MIDIRTMAP010_PRIME.ck |
| CIRS_020TI_MIDIRTMAP010_SI | 2006-014T14:23:27 | GMB_E020_Titan10+000T21:18:00 | 000T09:18:00 | 2006-014T23:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRNADCMP002_PRIME | 2006-014T23:41:27 | GMB_E020_Titan10+000T12:00:00 | 000T02:00:00 | 2006-015T01:41:27 | Prime | CIRS_020TI_FIRNADCMP002_PRIME.jpg | CIRS_020TI_FIRNADCMP002_PRIME.saf | CIRS_020TI_FIRNADCMP002_PRIME.sfof | CIRS_020TI_FIRNADCMP002_PRIME.pef | CIRS_020TI_FIRNADCMP002_PRIME.ck |
| CIRS_020TI_FIRNADCMP002_SI | 2006-014T23:41:27 | GMB_E020_Titan10+000T12:00:00 | 000T02:00:00 | 2006-015T01:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRNADCMPO03_ISS | 2006-015T01:41:27 | GMB_E020_Titan10+000T10:00:00 | 000T01:00:00 | 2006-015T02:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_MIRLMBINT002_PRIME | 2006-015T02:41:27 | GMB_E020_Titan10+000T09:00:00 | 000T04:00:00 | 2006-015T06:41:27 | Prime | CIRS_020TI_MIRLMBINT002_PRIME.jpg | CIRS_020TI_MIRLMBINT002_PRIME.saf | CIRS_020TI_MIRLMBINT002_PRIME.sfof | CIRS_020TI_MIRLMBINT002_PRIME.pef | CIRS_020TI_MIRLMBINT002_PRIME.ck |
| CIRS_020TI_MIRLMBINT002_SI | 2006-015T02:41:27 | GMB_E020_Titan10+000T09:00:00 | 000T04:00:00 | 2006-015T06:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRNADCMPO01_ISS | 2006-015T06:41:27 | GMB_E020_Titan10+000T05:00:00 | 000T04:20:00 | 2006-015T11:01:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRLMBINT003_PRIME | 2006-015T12:41:27 | GMB_E020_Titan10+000T01:00:00 | 000T01:00:00 | 2006-015T13:41:27 | Prime | CIRS_020TI_FIRLMBINT003_PRIME.jpg | CIRS_020TI_FIRLMBINT003_PRIME.saf | CIRS_020TI_FIRLMBINT003_PRIME.sfof | CIRS_020TI_FIRLMBINT003_PRIME.pef | CIRS_020TI_FIRLMBINT003_PRIME.ck |
| CIRS_020TI_FIRLMBINT003_SI | 2006-015T12:41:27 | GMB_E020_Titan10+000T01:00:00 | 000T01:00:00 | 2006-015T13:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRNADCMPO04_VIMS | 2006-015T13:41:27 | GMB_E020_Titan10+000T02:00:00 | 000T01:00:00 | 2006-015T14:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRNADCMPO04_UVIS | 2006-015T14:41:27 | GMB_E020_Titan10+000T03:00:00 | 000T05:00:00 | 2006-015T19:41:27 | SPASS Rider | | | | | |
| CIRS_020TI_FIRNADCMPO05_ISS | 2006-015T19:41:27 | GMB_E020_Titan10+000T08:00:00 | 000T06:20:00 | 2006-016T02:01:27 | SPASS Rider | | | | | |
| CIRS_021TI_FIRNADCMPO03_VIMS | 2006-057T09:55:19 | GMB_E021_Titan11+000T22:30:00 | 000T12:30:00 | 2006-057T22:25:19 | SPASS Rider | | | | | |
| CIRS_021TI_FIRNAD003_ISS | 2006-057T22:25:19 | GMB_E021_Titan11+000T10:00:00 | 000T03:00:00 | 2006-058T01:25:19 | SPASS Rider | | | | | |
| CIRS_021TI_FIRNAD004_ISS | 2006-058T04:25:19 | GMB_E021_Titan11+000T04:00:00 | 000T02:00:00 | 2006-058T06:25:19 | SPASS Rider | | | | | |
| CIRS_021TI_FIRNAD005_ISS | 2006-058T06:25:19 | GMB_E021_Titan11+000T02:00:00 | 000T00:30:00 | 2006-058T06:55:19 | SPASS Rider | | | | | |
| CIRS_021TI_FIRNADCMPO03_UVIS | 2006-058T13:25:19 | GMB_E021_Titan11+000T05:00:00 | 000T03:30:00 | 2006-058T16:55:19 | SPASS Rider | | | | | |
| CIRS_021TI_FIRNADCMPO02_PRIME | 2006-058T16:55:19 | GMB_E021_Titan11+000T08:30:00 | 000T04:40:00 | 2006-058T21:35:19 | Prime | CIRS_021TI_FIRNADCMPO02_PRIME.jpg | CIRS_021TI_FIRNADCMPO02_PRIME.saf | CIRS_021TI_FIRNADCMPO02_PRIME.sfof | CIRS_021TI_FIRNADCMPO02_PRIME.pef | CIRS_021TI_FIRNADCMPO02_PRIME.ck |
| CIRS_021TI_FIRNADCMPO02_SI | 2006-058T16:55:19 | GMB_E021_Titan11+000T08:30:00 | 000T04:40:00 | 2006-058T21:35:19 | SPASS Rider | | | | | |
| CIRS_022TI_COMPMAP002_PRIME | 2006-076T08:20:00 | | 000T13:59:00 | 2006-076T22:19:00 | Prime | CIRS_022TI_COMPMAP002_PRIME.jpg | CIRS_022TI_COMPMAP002_PRIME.saf | CIRS_022TI_COMPMAP002_PRIME.sfof | CIRS_022TI_COMPMAP002_PRIME.pef | CIRS_022TI_COMPMAP002_PRIME.ck |
| CIRS_022TI_FIRNADCMPO04_VIMS | 2006-077T08:41:57 | GMB_E022_Titan12+000T15:24:00 | 000T01:24:00 | 2006-077T10:05:57 | SPASS Rider | | | | | |
| CIRS_022TI_FIRNADCMPO03_PRIME | 2006-077T10:05:57 | GMB_E022_Titan12+000T14:00:00 | 000T07:00:00 | 2006-077T17:05:57 | Prime | CIRS_022TI_FIRNADCMPO03_PRIME.jpg | CIRS_022TI_FIRNADCMPO03_PRIME.saf | CIRS_022TI_FIRNADCMPO03_PRIME.sfof | CIRS_022TI_FIRNADCMPO03_PRIME.pef | CIRS_022TI_FIRNADCMPO03_PRIME.ck |
| CIRS_022TI_FIRNADCMPO03_SI | 2006-077T10:05:57 | GMB_E022_Titan12+000T14:00:00 | 000T07:00:00 | 2006-077T17:05:57 | SPASS Rider | | | | | |
| CIRS_022TI_FIRNADCMPO02_ISS | 2006-077T17:05:57 | GMB_E022_Titan12+000T07:00:00 | 000T04:00:00 | 2006-077T21:05:57 | SPASS Rider | | | | | |
| CIRS_022TI_FIRNADCMPO02_VIMS | 2006-077T21:05:57 | GMB_E022_Titan12+000T03:00:00 | 000T01:32:00 | 2006-077T22:37:57 | SPASS Rider | | | | | |
| CIRS_022TI_FIRNADCMPO03_VIMS | 2006-078T05:35:57 | GMB_E022_Titan12+000T05:30:00 | 000T06:50:00 | 2006-078T12:25:57 | SPASS Rider | | | | | |
| CIRS_022TI_FIRNADCMPO08_PRIME | 2006-078T12:25:57 | GMB_E022_Titan12+000T12:20:00 | 000T01:41:00 | 2006-078T14:06:57 | Prime | CIRS_022TI_FIRNADCMPO08_PRIME.jpg | CIRS_022TI_FIRNADCMPO08_PRIME.saf | CIRS_022TI_FIRNADCMPO08_PRIME.sfof | CIRS_022TI_FIRNADCMPO08_PRIME.pef | CIRS_022TI_FIRNADCMPO08_PRIME.ck |
| CIRS_022TI_FIRNADCMPO06_SI | 2006-078T12:25:57 | GMB_E022_Titan12+000T12:20:00 | 000T01:41:00 | 2006-078T14:06:57 | SPASS Rider | | | | | |
| CIRS_023TI_FIRNADCMPO03_PRIME | 2006-120T05:34:14 | GMB_E023_Titan13+000T15:24:00 | 000T06:24:00 | 2006-120T11:58:14 | Prime | CIRS_023TI_FIRNADCMPO03_PRIME.jpg | CIRS_023TI_FIRNADCMPO03_PRIME.saf | CIRS_023TI_FIRNADCMPO03_PRIME.sfof | CIRS_023TI_FIRNADCMPO03_PRIME.pef | CIRS_023TI_FIRNADCMPO03_PRIME.ck |
| CIRS_023TI_FIRNADCMPO03_SI | 2006-120T05:34:14 | GMB_E023_Titan13+000T15:24:00 | 000T06:24:00 | 2006-120T11:58:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRLMBMAP004_PRIME | 2006-120T11:58:14 | GMB_E023_Titan13+000T09:00:00 | 000T02:00:00 | 2006-120T13:58:14 | Prime | CIRS_023TI_MIRLMBMAP004_PRIME.jpg | CIRS_023TI_MIRLMBMAP004_PRIME.saf | CIRS_023TI_MIRLMBMAP004_PRIME.sfof | CIRS_023TI_MIRLMBMAP004_PRIME.pef | CIRS_023TI_MIRLMBMAP004_PRIME.ck |
| CIRS_023TI_MIRLMBMAP004_SI | 2006-120T11:58:14 | GMB_E023_Titan13+000T09:00:00 | 000T02:00:00 | 2006-120T13:58:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRNADCMPO02_VIMS | 2006-120T13:58:14 | GMB_E023_Titan13+000T07:00:00 | 000T01:00:00 | 2006-120T14:58:14 | SPASS Rider | | | | | |

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|--------------------------------|-------------------|-------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_023TI_MIRLMBMAP006_PRIME | 2006-120T14:58:14 | GMB_E023_Titan13-000T06:00:00 | 000T02:00:00 | 2006-120T16:58:14 | Prime | CIRS_023TI_MIRLMBMAP006_PRIME.jpg | CIRS_023TI_MIRLMBMAP006_PRIME.sasf | CIRS_023TI_MIRLMBMAP006_PRIME.sof | CIRS_023TI_MIRLMBMAP006_PRIME.prf | CIRS_023TI_MIRLMBMAP006_PRIME.ck |
| CIRS_023TI_MIRLMBMAP006_SI | 2006-120T14:58:14 | GMB_E023_Titan13-000T06:00:00 | 000T02:00:00 | 2006-120T16:58:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRNADCMAP004_ISS | 2006-120T16:58:14 | GMB_E023_Titan13-000T04:00:00 | 000T02:00:00 | 2006-120T18:58:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRNADCMAP005_ISS | 2006-120T18:58:14 | GMB_E023_Titan13-000T02:00:00 | 000T00:44:00 | 2006-120T19:42:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRLMBINT004_UVIS | 2006-120T19:42:14 | GMB_E023_Titan13-000T01:16:00 | 000T00:41:00 | 2006-120T20:23:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRNADCMAP003_UVIS | 2006-121T02:18:14 | GMB_E023_Titan13+000T05:20:00 | 000T05:10:00 | 2006-121T07:28:14 | SPASS Rider | | | | | |
| CIRS_023TI_FIRNADCMAP002_PRIME | 2006-121T07:28:14 | GMB_E023_Titan13+000T03:30:00 | 000T04:07:00 | 2006-121T11:35:14 | Prime | CIRS_023TI_FIRNADCMAP002_PRIME.jpg | CIRS_023TI_FIRNADCMAP002_PRIME.sasf | CIRS_023TI_FIRNADCMAP002_PRIME.sof | CIRS_023TI_FIRNADCMAP002_PRIME.prf | CIRS_023TI_FIRNADCMAP002_PRIME.ck |
| CIRS_023TI_FIRNADCMAP002_SI | 2006-121T07:28:14 | GMB_E023_Titan13+000T03:30:00 | 000T04:07:00 | 2006-121T11:35:14 | SPASS Rider | | | | | |
| CIRS_024TI_FIRNADCMAP003_PRIME | 2006-139T20:48:11 | GMB_E024_Titan14-000T15:30:00 | 000T08:30:00 | 2006-140T03:18:11 | Prime | CIRS_024TI_FIRNADCMAP003_PRIME.jpg | CIRS_024TI_FIRNADCMAP003_PRIME.sasf | CIRS_024TI_FIRNADCMAP003_PRIME.sof | CIRS_024TI_FIRNADCMAP003_PRIME.prf | CIRS_024TI_FIRNADCMAP003_PRIME.ck |
| CIRS_024TI_FIRNADCMAP003_SI | 2006-139T20:48:11 | GMB_E024_Titan14-000T15:30:00 | 000T08:30:00 | 2006-140T03:18:11 | SPASS Rider | | | | | |
| CIRS_024TI_MIRLMBINT002_PRIME | 2006-140T03:18:11 | GMB_E024_Titan14-000T09:00:00 | 000T01:30:00 | 2006-140T04:48:11 | Prime | CIRS_024TI_MIRLMBINT002_PRIME.jpg | CIRS_024TI_MIRLMBINT002_PRIME.sasf | CIRS_024TI_MIRLMBINT002_PRIME.sof | CIRS_024TI_MIRLMBINT002_PRIME.prf | CIRS_024TI_MIRLMBINT002_PRIME.ck |
| CIRS_024TI_MIRLMBINT002_SI | 2006-140T03:18:11 | GMB_E024_Titan14-000T09:00:00 | 000T01:30:00 | 2006-140T04:48:11 | SPASS Rider | | | | | |
| CIRS_024TI_FIRNADCMAP002_UVIS | 2006-140T04:48:11 | GMB_E024_Titan14-000T07:30:00 | 000T05:00:00 | 2006-140T09:48:11 | SPASS Rider | | | | | |
| CIRS_024TI_FIRLMBINT002_PRIME | 2006-140T09:48:11 | LMB_E024_Titan14-000T02:30:00 | 000T01:25:00 | 2006-140T11:13:11 | Prime | CIRS_024TI_FIRLMBINT002_PRIME.jpg | CIRS_024TI_FIRLMBINT002_PRIME.sasf | CIRS_024TI_FIRLMBINT002_PRIME.sof | CIRS_024TI_FIRLMBINT002_PRIME.prf | CIRS_024TI_FIRLMBINT002_PRIME.ck |
| CIRS_024TI_FIRLMBINT002_SI | 2006-140T09:48:11 | LMB_E024_Titan14-000T02:30:00 | 000T01:25:00 | 2006-140T11:13:11 | SPASS Rider | | | | | |
| CIRS_024TI_FIRLMBINT003_PRIME | 2006-140T13:45:11 | LMB_E024_Titan14+000T01:27:00 | 000T00:48:00 | 2006-140T14:33:11 | Prime | CIRS_024TI_FIRLMBINT003_PRIME.jpg | CIRS_024TI_FIRLMBINT003_PRIME.sasf | CIRS_024TI_FIRLMBINT003_PRIME.sof | CIRS_024TI_FIRLMBINT003_PRIME.prf | CIRS_024TI_FIRLMBINT003_PRIME.ck |
| CIRS_024TI_FIRLMBINT003_SI | 2006-140T13:45:11 | LMB_E024_Titan14+000T01:27:00 | 000T00:48:00 | 2006-140T14:33:11 | SPASS Rider | | | | | |
| CIRS_024TI_FIRNADMAP006_PRIME | 2006-140T14:33:11 | GMB_E024_Titan14+000T02:15:00 | 000T02:45:00 | 2006-140T17:18:11 | Prime | CIRS_024TI_FIRNADMAP003_PRIME.jpg | CIRS_024TI_FIRNADMAP003_PRIME.sasf | CIRS_024TI_FIRNADMAP003_PRIME.sof | CIRS_024TI_FIRNADMAP003_PRIME.prf | CIRS_024TI_FIRNADMAP003_PRIME.ck |
| CIRS_024TI_FIRNADMAP003_SI | 2006-140T14:33:11 | GMB_E024_Titan14+000T02:15:00 | 000T02:45:00 | 2006-140T17:18:11 | SPASS Rider | | | | | |
| CIRS_024TI_MIRLMBINT003_PRIME | 2006-140T17:18:11 | GMB_E024_Titan14+000T05:00:00 | 000T05:00:00 | 2006-140T22:18:11 | Prime | CIRS_024TI_MIRLMBINT003_PRIME.jpg | CIRS_024TI_MIRLMBINT003_PRIME.sasf | CIRS_024TI_MIRLMBINT003_PRIME.sof | CIRS_024TI_MIRLMBINT003_PRIME.prf | CIRS_024TI_MIRLMBINT003_PRIME.ck |
| CIRS_024TI_MIRLMBINT003_SI | 2006-140T17:18:11 | GMB_E024_Titan14+000T05:00:00 | 000T05:00:00 | 2006-140T22:18:11 | SPASS Rider | | | | | |
| CIRS_024TI_MIDIRTMAP001_PRIME | 2006-141T01:18:11 | GMB_E024_Titan14+000T13:00:00 | 000T02:00:00 | 2006-141T03:18:11 | Prime | CIRS_024TI_MIDIRTMAP001_PRIME.jpg | CIRS_024TI_MIDIRTMAP001_PRIME.sasf | CIRS_024TI_MIDIRTMAP001_PRIME.sof | CIRS_024TI_MIDIRTMAP001_PRIME.prf | CIRS_024TI_MIDIRTMAP001_PRIME.ck |
| CIRS_024TI_MIDIRTMAP001_SI | 2006-141T01:18:11 | GMB_E024_Titan14+000T13:00:00 | 000T02:00:00 | 2006-141T03:18:11 | SPASS Rider | | | | | |
| CIRS_024TI_MIDIRTMAP002_PRIME | 2006-141T06:18:11 | GMB_E024_Titan14+000T18:00:00 | 000T02:58:00 | 2006-141T09:16:11 | Prime | CIRS_024TI_MIDIRTMAP002_PRIME.jpg | CIRS_024TI_MIDIRTMAP002_PRIME.sasf | CIRS_024TI_MIDIRTMAP002_PRIME.sof | CIRS_024TI_MIDIRTMAP002_PRIME.prf | CIRS_024TI_MIDIRTMAP002_PRIME.ck |
| CIRS_024TI_MIDIRTMAP002_SI | 2006-141T06:18:11 | GMB_E024_Titan14+000T18:00:00 | 000T02:58:00 | 2006-141T09:16:11 | SPASS Rider | | | | | |
| CIRS_025TI_FIRNADCMAP011_VIMS | 2006-182T18:15:47 | GMB_E025_Titan15-000T15:05:00 | 000T01:35:00 | 2006-182T19:50:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRNADCMAP003_PRIME | 2006-182T19:50:47 | GMB_E025_Titan15-000T13:30:00 | 000T03:30:00 | 2006-182T23:20:47 | Prime | CIRS_025TI_FIRNADCMAP003_PRIME.jpg | CIRS_025TI_FIRNADCMAP003_PRIME.sasf | CIRS_025TI_FIRNADCMAP003_PRIME.sof | CIRS_025TI_FIRNADCMAP003_PRIME.prf | CIRS_025TI_FIRNADCMAP003_PRIME.ck |
| CIRS_025TI_FIRNADCMAP003_SI | 2006-182T19:50:47 | GMB_E025_Titan15-000T13:30:00 | 000T03:30:00 | 2006-182T23:20:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRNADCMAP010_ISS | 2006-182T23:20:47 | GMB_E025_Titan15-000T10:00:00 | 000T02:00:00 | 2006-183T01:20:47 | SPASS Rider | | | | | |
| CIRS_025TI_MIRLMBINT002_PRIME | 2006-183T01:20:47 | GMB_E025_Titan15+000T08:00:00 | 000T02:40:00 | 2006-183T04:04:47 | Prime | CIRS_025TI_MIRLMBINT002_PRIME.jpg | CIRS_025TI_MIRLMBINT002_PRIME.sasf | CIRS_025TI_MIRLMBINT002_PRIME.sof | CIRS_025TI_MIRLMBINT002_PRIME.prf | CIRS_025TI_MIRLMBINT002_PRIME.ck |
| CIRS_025TI_MIRLMBINT002_SI | 2006-183T01:20:47 | GMB_E025_Titan15+000T08:00:00 | 000T02:40:00 | 2006-183T04:04:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRLMBINT002_PRIME | 2006-183T09:50:47 | GMB_E025_Titan15+000T03:30:00 | 000T01:00:00 | 2006-183T10:50:47 | Prime | CIRS_025TI_FIRLMBINT002_PRIME.jpg | CIRS_025TI_FIRLMBINT002_PRIME.sasf | CIRS_025TI_FIRLMBINT002_PRIME.sof | CIRS_025TI_FIRLMBINT002_PRIME.prf | CIRS_025TI_FIRLMBINT002_PRIME.ck |
| CIRS_025TI_FIRLMBINT002_SI | 2006-183T09:50:47 | GMB_E025_Titan15+000T03:30:00 | 000T01:00:00 | 2006-183T10:50:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRLMBINT003_PRIME | 2006-183T10:50:47 | GMB_E025_Titan15+000T01:30:00 | 000T01:00:00 | 2006-183T11:50:47 | Prime | CIRS_025TI_FIRLMBINT003_PRIME.jpg | CIRS_025TI_FIRLMBINT003_PRIME.sasf | CIRS_025TI_FIRLMBINT003_PRIME.sof | CIRS_025TI_FIRLMBINT003_PRIME.prf | CIRS_025TI_FIRLMBINT003_PRIME.ck |
| CIRS_025TI_FIRLMBINT003_SI | 2006-183T10:50:47 | GMB_E025_Titan15+000T01:30:00 | 000T01:00:00 | 2006-183T11:50:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRNADCMAP003_UVIS | 2006-183T11:50:47 | GMB_E025_Titan15+000T02:30:00 | 000T05:30:00 | 2006-183T17:20:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRNADCMAP008_ISS | 2006-183T17:20:47 | GMB_E025_Titan15+000T08:00:00 | 000T01:00:00 | 2006-183T18:20:47 | SPASS Rider | | | | | |
| CIRS_025TI_FIRNADCMAP002_PRIME | 2006-183T18:20:47 | GMB_E025_Titan15+000T09:00:00 | 000T05:30:00 | 2006-183T23:50:47 | Prime | CIRS_025TI_FIRNADCMAP002_PRIME.jpg | CIRS_025TI_FIRNADCMAP002_PRIME.sasf | CIRS_025TI_FIRNADCMAP002_PRIME.sof | CIRS_025TI_FIRNADCMAP002_PRIME.prf | CIRS_025TI_FIRNADCMAP002_PRIME.ck |
| CIRS_025TI_FIRNADCMAP002_SI | 2006-183T18:20:47 | GMB_E025_Titan15+000T09:00:00 | 000T05:30:00 | 2006-183T23:50:47 | SPASS Rider | | | | | |
| CIRS_025TI_MIDIRTMAP002_PRIME | 2006-183T23:50:47 | GMB_E025_Titan15+000T14:30:00 | 000T07:54:00 | 2006-184T07:44:47 | Prime | CIRS_025TI_MIDIRTMAP002_PRIME.jpg | CIRS_025TI_MIDIRTMAP002_PRIME.sasf | CIRS_025TI_MIDIRTMAP002_PRIME.sof | CIRS_025TI_MIDIRTMAP002_PRIME.prf | CIRS_025TI_MIDIRTMAP002_PRIME.ck |
| CIRS_025TI_MIDIRTMAP002_SI | 2006-183T23:50:47 | GMB_E025_Titan15+000T14:30:00 | 000T07:54:00 | 2006-184T07:44:47 | SPASS Rider | | | | | |
| CIRS_026TI_FIRNADCMAP003_VIMS | 2006-202T00:36:26 | GMB_E026_Titan16-000T23:49:00 | 000T14:49:00 | 2006-202T15:25:26 | SPASS Rider | | | | | |
| CIRS_026TI_MIRLMBINT002_PRIME | 2006-202T15:25:26 | GMB_E026_Titan16-000T09:00:00 | 000T02:00:00 | 2006-202T17:25:26 | Prime | CIRS_026TI_MIRLMBINT002_PRIME.jpg | CIRS_026TI_MIRLMBINT002_PRIME.sasf | CIRS_026TI_MIRLMBINT002_PRIME.sof | CIRS_026TI_MIRLMBINT002_PRIME.prf | CIRS_026TI_MIRLMBINT002_PRIME.ck |
| CIRS_026TI_MIRLMBINT002_SI | 2006-202T15:25:26 | GMB_E026_Titan16-000T09:00:00 | 000T02:00:00 | 2006-202T17:25:26 | SPASS Rider | | | | | |
| CIRS_026TI_FIRNADCMAP005_VIMS | 2006-202T17:25:26 | GMB_E026_Titan16-000T07:00:00 | 000T01:40:00 | 2006-202T19:05:26 | SPASS Rider | | | | | |

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| CIRS_030TI_FIRNADCM003_PRIME | 2006-282T03:30:07 | GMB_E030_Titan19+000T14:00:00 | 000T05:00:00 | 2006-282T08:30:07 | Prime | CIRS_030TI_FIRNADCM003_PRIME.jpg | CIRS_030TI_FIRNADCM003_PRIME.sasf | CIRS_030TI_FIRNADCM003_PRIME.sof | CIRS_030TI_FIRNADCM003_PRIME.pef | CIRS_030TI_FIRNADCM003_PRIME.ck |
| CIRS_030TI_FIRNADCM003_SI | 2006-282T03:30:07 | GMB_E030_Titan19+000T14:00:00 | 000T05:00:00 | 2006-282T08:30:07 | SPASS Rider | | | | | |
| CIRS_030TI_MIRLMBINT002_PRIME | 2006-282T08:30:07 | GMB_E030_Titan19+000T09:00:00 | 000T03:40:00 | 2006-282T12:10:07 | Prime | CIRS_030TI_MIRLMBINT002_PRIME.jpg | CIRS_030TI_MIRLMBINT002_PRIME.sasf | CIRS_030TI_MIRLMBINT002_PRIME.sof | CIRS_030TI_MIRLMBINT002_PRIME.pef | CIRS_030TI_MIRLMBINT002_PRIME.ck |
| CIRS_030TI_MIRLMBINT002_SI | 2006-282T08:30:07 | GMB_E030_Titan19+000T09:00:00 | 000T03:40:00 | 2006-282T12:10:07 | SPASS Rider | | | | | |
| CIRS_030TI_MIRLMBINT003_PRIME | 2006-282T22:50:07 | GMB_E030_Titan19+000T05:20:00 | 000T02:40:00 | 2006-283T01:30:07 | Prime | CIRS_030TI_MIRLMBINT003_PRIME.jpg | CIRS_030TI_MIRLMBINT003_PRIME.sasf | CIRS_030TI_MIRLMBINT003_PRIME.sof | CIRS_030TI_MIRLMBINT003_PRIME.pef | CIRS_030TI_MIRLMBINT003_PRIME.ck |
| CIRS_030TI_MIRLMBINT003_SI | 2006-282T22:50:07 | GMB_E030_Titan19+000T05:20:00 | 000T02:40:00 | 2006-283T01:30:07 | SPASS Rider | | | | | |
| CIRS_030TI_FIRNADCM004_ISS | 2006-283T01:30:07 | GMB_E030_Titan19+000T08:00:00 | 000T02:00:00 | 2006-283T03:30:07 | SPASS Rider | | | | | |
| CIRS_030TI_FIRNADCM002_PRIME | 2006-283T03:30:07 | GMB_E030_Titan19+000T10:00:00 | 000T05:51:00 | 2006-283T09:21:07 | Prime | CIRS_030TI_FIRNADCM002_PRIME.jpg | CIRS_030TI_FIRNADCM002_PRIME.sasf | CIRS_030TI_FIRNADCM002_PRIME.sof | CIRS_030TI_FIRNADCM002_PRIME.pef | CIRS_030TI_FIRNADCM002_PRIME.ck |
| CIRS_030TI_FIRNADCM002_SI | 2006-283T03:30:07 | GMB_E030_Titan19+000T10:00:00 | 000T05:51:00 | 2006-283T09:21:07 | SPASS Rider | | | | | |
| CIRS_030TI_COMPMAP007_PRIME | 2006-283T19:30:00 | | 000T03:50:00 | 2006-283T23:20:00 | Prime | CIRS_030TI_COMPMAP007_PRIME.jpg | CIRS_030TI_COMPMAP007_PRIME.sasf | CIRS_030TI_COMPMAP007_PRIME.sof | CIRS_030TI_COMPMAP007_PRIME.pef | CIRS_030TI_COMPMAP007_PRIME.ck |
| CIRS_031TI_COMPMAP008_PRIME | 2006-296T11:26:00 | | 000T14:00:00 | 2006-297T01:26:00 | Prime | CIRS_031TI_COMPMAP008_PRIME.jpg | CIRS_031TI_COMPMAP008_PRIME.sasf | CIRS_031TI_COMPMAP008_PRIME.sof | CIRS_031TI_COMPMAP008_PRIME.pef | CIRS_031TI_COMPMAP008_PRIME.ck |
| CIRS_031TI_TEMPMAPO22_PRIME | 2006-297T01:26:00 | | 000T07:30:00 | 2006-297T08:56:00 | Prime | CIRS_031TI_TEMPMAPO22_PRIME.jpg | CIRS_031TI_TEMPMAPO22_PRIME.sasf | CIRS_031TI_TEMPMAPO22_PRIME.sof | CIRS_031TI_TEMPMAPO22_PRIME.pef | CIRS_031TI_TEMPMAPO22_PRIME.ck |
| CIRS_031TI_CLOUDMAP001_VIMS | 2006-297T19:18:07 | GMB_E031_Titan20+000T20:40:00 | 000T13:10:00 | 2006-298T08:28:07 | SPASS Rider | | | | | |
| CIRS_031TI_MEDRES001_VIMS | 2006-298T08:28:07 | GMB_E031_Titan20+000T07:30:00 | 000T02:00:00 | 2006-298T10:28:07 | SPASS Rider | | | | | |
| CIRS_031TI_COMPMAP101_VIMS | 2006-298T15:48:07 | GMB_E031_Titan20+000T00:10:00 | 000T00:30:00 | 2006-298T16:18:07 | SPASS Rider | | | | | |
| CIRS_031TI_HIGHRESNA101_VIMS | 2006-298T16:40:07 | GMB_E031_Titan20+000T00:42:00 | 000T01:18:00 | 2006-298T17:58:07 | SPASS Rider | | | | | |
| CIRS_031TI_REGMAPNA101_ISS | 2006-298T17:58:07 | GMB_E031_Titan20+000T02:00:00 | 000T02:30:00 | 2006-298T20:28:07 | SPASS Rider | | | | | |
| CIRS_031TI_MIRLMBMAP004_PRIME | 2006-298T20:28:07 | GMB_E031_Titan20+000T04:30:00 | 000T03:00:00 | 2006-298T23:28:07 | Prime | CIRS_031TI_MIRLMBMAP004_PRIME.jpg | CIRS_031TI_MIRLMBMAP004_PRIME.sasf | CIRS_031TI_MIRLMBMAP004_PRIME.sof | CIRS_031TI_MIRLMBMAP004_PRIME.pef | CIRS_031TI_MIRLMBMAP004_PRIME.ck |
| CIRS_031TI_MIRLMBMAP004_SI | 2006-298T20:28:07 | GMB_E031_Titan20+000T04:30:00 | 000T03:00:00 | 2006-298T23:28:07 | SPASS Rider | | | | | |
| CIRS_031TI_DARKSIDE001_VIMS | 2006-298T23:28:07 | GMB_E031_Titan20+000T07:30:00 | 000T00:30:00 | 2006-298T23:58:07 | SPASS Rider | | | | | |
| CIRS_031TI_COMPMAP001_VIMS | 2006-298T23:58:07 | GMB_E031_Titan20+000T08:00:00 | 000T02:30:00 | 2006-299T02:28:07 | SPASS Rider | | | | | |
| CIRS_033TI_COMPMAP009_PRIME | 2006-328T18:15:00 | | 000T10:45:00 | 2006-329T05:00:00 | Prime | CIRS_033TI_COMPMAP009_PRIME.jpg | CIRS_033TI_COMPMAP009_PRIME.sasf | CIRS_033TI_COMPMAP009_PRIME.sof | CIRS_033TI_COMPMAP009_PRIME.pef | CIRS_033TI_COMPMAP009_PRIME.ck |
| CIRS_035TI_COMPMAP010_PRIME | 2006-344T19:17:00 | | 000T10:30:00 | 2006-345T05:47:00 | Prime | CIRS_035TI_COMPMAP010_PRIME.jpg | CIRS_035TI_COMPMAP010_PRIME.sasf | CIRS_035TI_COMPMAP010_PRIME.sof | CIRS_035TI_COMPMAP010_PRIME.pef | CIRS_035TI_COMPMAP010_PRIME.ck |
| CIRS_035TI_MIDIRTMAP006_PRIME | 2006-345T16:08:31 | GMB_E035_Titan21+000T19:33:00 | 000T04:03:00 | 2006-345T20:11:31 | Prime | CIRS_035TI_MIDIRTMAP006_PRIME.jpg | CIRS_035TI_MIDIRTMAP006_PRIME.sasf | CIRS_035TI_MIDIRTMAP006_PRIME.sof | CIRS_035TI_MIDIRTMAP006_PRIME.pef | CIRS_035TI_MIDIRTMAP006_PRIME.ck |
| CIRS_035TI_MIDIRTMAP006_SI | 2006-345T16:08:31 | GMB_E035_Titan21+000T19:33:00 | 000T04:03:00 | 2006-345T20:11:31 | SPASS Rider | | | | | |
| CIRS_035TI_NIGHTNAC001_ISS | 2006-345T20:11:31 | GMB_E035_Titan21+000T15:30:00 | 000T01:00:00 | 2006-345T21:11:31 | SPASS Rider | | | | | |
| CIRS_035TI_FIRNADCM003_PRIME | 2006-345T21:11:31 | GMB_E035_Titan21+000T14:30:00 | 000T05:30:00 | 2006-346T02:41:31 | Prime | CIRS_035TI_FIRNADCM003_PRIME.jpg | CIRS_035TI_FIRNADCM003_PRIME.sasf | CIRS_035TI_FIRNADCM003_PRIME.sof | CIRS_035TI_FIRNADCM003_PRIME.pef | CIRS_035TI_FIRNADCM003_PRIME.ck |
| CIRS_035TI_FIRNADCM003_SI | 2006-345T21:11:31 | GMB_E035_Titan21+000T14:30:00 | 000T05:30:00 | 2006-346T02:41:31 | SPASS Rider | | | | | |
| CIRS_035TI_MIRLMBINT004_PRIME | 2006-346T02:41:31 | GMB_E035_Titan21+000T09:00:00 | 000T01:30:00 | 2006-346T04:11:31 | Prime | CIRS_035TI_MIRLMBINT004_PRIME.jpg | CIRS_035TI_MIRLMBINT004_PRIME.sasf | CIRS_035TI_MIRLMBINT004_PRIME.sof | CIRS_035TI_MIRLMBINT004_PRIME.pef | CIRS_035TI_MIRLMBINT004_PRIME.ck |
| CIRS_035TI_MIRLMBINT004_SI | 2006-346T02:41:31 | GMB_E035_Titan21+000T09:00:00 | 000T01:30:00 | 2006-346T04:11:31 | SPASS Rider | | | | | |
| CIRS_035TI_EU/FUV001_UVIS | 2006-346T04:11:31 | GMB_E035_Titan21+000T07:30:00 | 000T05:00:00 | 2006-346T09:11:31 | SPASS Rider | | | | | |
| CIRS_035TI_NIGHTWAC001_ISS | 2006-346T09:11:31 | GMB_E035_Titan21+000T02:30:00 | 000T01:50:00 | 2006-346T11:01:31 | SPASS Rider | | | | | |
| CIRS_035TI_GLOBMAPNA001_ISS | 2006-346T15:41:31 | GMB_E035_Titan21+000T04:00:00 | 000T03:00:00 | 2006-346T18:41:31 | SPASS Rider | | | | | |
| CIRS_035TI_MIRLMBINT003_PRIME | 2006-346T18:41:31 | GMB_E035_Titan21+000T07:00:00 | 000T02:00:00 | 2006-346T20:41:31 | Prime | CIRS_035TI_MIRLMBINT003_PRIME.jpg | CIRS_035TI_MIRLMBINT003_PRIME.sasf | CIRS_035TI_MIRLMBINT003_PRIME.sof | CIRS_035TI_MIRLMBINT003_PRIME.pef | CIRS_035TI_MIRLMBINT003_PRIME.ck |
| CIRS_035TI_MIRLMBINT003_SI | 2006-346T18:41:31 | GMB_E035_Titan21+000T07:00:00 | 000T02:00:00 | 2006-346T20:41:31 | SPASS Rider | | | | | |
| CIRS_035TI_MONITORNA001_ISS | 2006-346T20:41:31 | GMB_E035_Titan21+000T09:00:00 | 000T01:28:00 | 2006-346T22:09:31 | SPASS Rider | | | | | |
| CIRS_035TI_FIRNADCM023_PRIME | 2006-346T22:09:31 | GMB_E035_Titan21+000T10:28:00 | 000T03:00:00 | 2006-347T01:09:31 | Prime | CIRS_035TI_FIRNADCM023_PRIME.jpg | CIRS_035TI_FIRNADCM023_PRIME.sasf | CIRS_035TI_FIRNADCM023_PRIME.sof | CIRS_035TI_FIRNADCM023_PRIME.pef | CIRS_035TI_FIRNADCM023_PRIME.ck |
| CIRS_036TI_COMPMAP024_PRIME | 2006-360T19:49:00 | | 000T09:00:00 | 2006-361T04:49:00 | Prime | CIRS_036TI_COMPMAP024_PRIME.jpg | CIRS_036TI_COMPMAP024_PRIME.sasf | CIRS_036TI_COMPMAP024_PRIME.sof | CIRS_036TI_COMPMAP024_PRIME.pef | CIRS_036TI_COMPMAP024_PRIME.ck |
| CIRS_036TI_MIDIRTMAP006_PRIME | 2006-361T15:04:22 | GMB_E036_Titan22+000T19:01:00 | 000T05:01:00 | 2006-361T20:05:22 | Prime | CIRS_036TI_MIDIRTMAP006_PRIME.jpg | CIRS_036TI_MIDIRTMAP006_PRIME.sasf | CIRS_036TI_MIDIRTMAP006_PRIME.sof | CIRS_036TI_MIDIRTMAP006_PRIME.pef | CIRS_036TI_MIDIRTMAP006_PRIME.ck |
| CIRS_036TI_MIDIRTMAP006_SI | 2006-361T15:04:22 | GMB_E036_Titan22+000T19:01:00 | 000T05:01:00 | 2006-361T20:05:22 | SPASS Rider | | | | | |
| CIRS_036TI_FIRNADCM003_PRIME | 2006-361T20:05:22 | GMB_E036_Titan22+000T14:00:00 | 000T05:30:00 | 2006-362T01:35:22 | Prime | CIRS_036TI_FIRNADCM003_PRIME.jpg | CIRS_036TI_FIRNADCM003_PRIME.sasf | CIRS_036TI_FIRNADCM003_PRIME.sof | CIRS_036TI_FIRNADCM003_PRIME.pef | CIRS_036TI_FIRNADCM003_PRIME.ck |
| CIRS_036TI_FIRNADCM003_SI | 2006-361T20:05:22 | GMB_E036_Titan22+000T14:00:00 | 000T05:30:00 | 2006-362T01:35:22 | SPASS Rider | | | | | |
| CIRS_036TI_FIRNADMAP002_PRIME | 2006-362T04:35:22 | GMB_E036_Titan22+000T05:30:00 | 000T03:00:00 | 2006-362T07:35:22 | Prime | CIRS_036TI_FIRNADMAP002_PRIME.jpg | CIRS_036TI_FIRNADMAP002_PRIME.sasf | CIRS_036TI_FIRNADMAP002_PRIME.sof | CIRS_036TI_FIRNADMAP002_PRIME.pef | CIRS_036TI_FIRNADMAP002_PRIME.ck |
| CIRS_036TI_FIRNADMAP002_SI | 2006-362T04:35:22 | GMB_E036_Titan22+000T05:30:00 | 000T03:00:00 | 2006-362T07:35:22 | SPASS Rider | | | | | |
| CIRS_036TI_REGMAPNA001_ISS | 2006-362T11:35:22 | GMB_E036_Titan22+000T01:30:00 | 000T02:00:00 | 2006-362T13:35:22 | SPASS Rider | | | | | |

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| CIRS_036TI_FIRNADMAP003_PRIME | 2006-362T13:35:22 | GMB_E036_Titan22+000T03:30:00 | 000T02:00:00 | 2006-362T15:35:22 | Prime | CIRS_036TI_FIRNADMAP003_PRIME.jpg | CIRS_036TI_FIRNADMAP003_PRIME.sasf | CIRS_036TI_FIRNADMAP003_PRIME.sof | CIRS_036TI_FIRNADMAP003_PRIME.prf | CIRS_036TI_FIRNADMAP003_PRIME.ck |
| CIRS_036TI_FIRNADMAP003_SI | 2006-362T13:35:22 | GMB_E036_Titan22+000T03:30:00 | 000T02:00:00 | 2006-362T15:35:22 | SPASS Rider | | | | | |
| CIRS_036TI_FIRNADCMP002_PRIME | 2006-362T18:35:22 | GMB_E036_Titan22+000T08:30:00 | 000T02:30:00 | 2006-362T21:05:22 | Prime | CIRS_036TI_FIRNADCMP002_PRIME.jpg | CIRS_036TI_FIRNADCMP002_PRIME.sasf | CIRS_036TI_FIRNADCMP002_PRIME.sof | CIRS_036TI_FIRNADCMP002_PRIME.prf | CIRS_036TI_FIRNADCMP002_PRIME.ck |
| CIRS_036TI_FIRNADCMP002_SI | 2006-362T18:35:22 | GMB_E036_Titan22+000T08:30:00 | 000T02:30:00 | 2006-362T21:05:22 | SPASS Rider | | | | | |
| CIRS_036TI_1X1PT90001_ISS | 2006-365T01:30:00 | | 000T01:00:00 | 2006-365T02:30:00 | SPASS Rider | | | | | |
| CIRS_037TI_1X1PT12001_ISS | 2007-010T13:50:00 | | 000T02:00:00 | 2007-010T15:50:00 | SPASS Rider | | | | | |
| CIRS_037TI_COMPMAP026_PRIME | 2007-011T16:13:00 | | 000T09:51:00 | 2007-012T02:04:00 | Prime | CIRS_037TI_COMPMAP026_PRIME.jpg | CIRS_037TI_COMPMAP026_PRIME.sasf | CIRS_037TI_COMPMAP026_PRIME.sof | CIRS_037TI_COMPMAP026_PRIME.prf | CIRS_037TI_COMPMAP026_PRIME.ck |
| CIRS_037TI_MIDIRTMAP001_PRIME | 2007-012T14:23:31 | GMB_E037_Titan23+000T18:15:00 | 000T02:15:00 | 2007-012T16:38:31 | Prime | CIRS_037TI_MIDIRTMAP001_PRIME.jpg | CIRS_037TI_MIDIRTMAP001_PRIME.sasf | CIRS_037TI_MIDIRTMAP001_PRIME.sof | CIRS_037TI_MIDIRTMAP001_PRIME.prf | CIRS_037TI_MIDIRTMAP001_PRIME.ck |
| CIRS_037TI_MIDIRTMAP001_SI | 2007-012T14:23:31 | GMB_E037_Titan23+000T18:15:00 | 000T02:15:00 | 2007-012T16:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_NIGHTNAC001_ISS | 2007-012T16:38:31 | GMB_E037_Titan23+000T16:00:00 | 000T01:00:00 | 2007-012T17:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_MIDIRTMAP002_PRIME | 2007-012T17:38:31 | GMB_E037_Titan23+000T15:00:00 | 000T02:00:00 | 2007-012T19:38:31 | Prime | CIRS_037TI_MIDIRTMAP002_PRIME.jpg | CIRS_037TI_MIDIRTMAP002_PRIME.sasf | CIRS_037TI_MIDIRTMAP002_PRIME.sof | CIRS_037TI_MIDIRTMAP002_PRIME.prf | CIRS_037TI_MIDIRTMAP002_PRIME.ck |
| CIRS_037TI_MIDIRTMAP002_SI | 2007-012T17:38:31 | GMB_E037_Titan23+000T15:00:00 | 000T02:00:00 | 2007-012T19:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_FIRNADCMP001_PRIME | 2007-012T19:38:31 | GMB_E037_Titan23+000T13:00:00 | 000T03:00:00 | 2007-012T22:38:31 | Prime | CIRS_037TI_FIRNADCMP001_PRIME.jpg | CIRS_037TI_FIRNADCMP001_PRIME.sasf | CIRS_037TI_FIRNADCMP001_PRIME.sof | CIRS_037TI_FIRNADCMP001_PRIME.prf | CIRS_037TI_FIRNADCMP001_PRIME.ck |
| CIRS_037TI_FIRNADCMP001_SI | 2007-012T19:38:31 | GMB_E037_Titan23+000T13:00:00 | 000T03:00:00 | 2007-012T22:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_PHOTOMWAC001_ISS | 2007-012T22:38:31 | GMB_E037_Titan23+000T10:00:00 | 000T01:00:00 | 2007-012T23:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_MIRLMBINT001_PRIME | 2007-012T23:38:31 | GMB_E037_Titan23+000T09:00:00 | 000T04:00:00 | 2007-013T03:38:31 | Prime | CIRS_037TI_MIRLMBINT001_PRIME.jpg | CIRS_037TI_MIRLMBINT001_PRIME.sasf | CIRS_037TI_MIRLMBINT001_PRIME.sof | CIRS_037TI_MIRLMBINT001_PRIME.prf | CIRS_037TI_MIRLMBINT001_PRIME.ck |
| CIRS_037TI_MIRLMBINT001_SI | 2007-012T23:38:31 | GMB_E037_Titan23+000T09:00:00 | 000T04:00:00 | 2007-013T03:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_GLOBMAP001_ISS | 2007-013T13:38:31 | GMB_E037_Titan23+000T05:00:00 | 000T04:00:00 | 2007-013T17:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_FIRNADCMP002_PRIME | 2007-013T17:38:31 | GMB_E037_Titan23+000T09:00:00 | 000T02:00:00 | 2007-013T19:38:31 | Prime | CIRS_037TI_FIRNADCMP002_PRIME.jpg | CIRS_037TI_FIRNADCMP002_PRIME.sasf | CIRS_037TI_FIRNADCMP002_PRIME.sof | CIRS_037TI_FIRNADCMP002_PRIME.prf | CIRS_037TI_FIRNADCMP002_PRIME.ck |
| CIRS_037TI_FIRNADCMP002_SI | 2007-013T17:38:31 | GMB_E037_Titan23+000T09:00:00 | 000T02:00:00 | 2007-013T19:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_FIRNADCMPO01_ISS | 2007-013T19:38:31 | GMB_E037_Titan23+000T11:00:00 | 000T02:00:00 | 2007-013T21:38:31 | SPASS Rider | | | | | |
| CIRS_037TI_MIDIRTMAP003_PRIME | 2007-013T22:38:31 | GMB_E037_Titan23+000T14:00:00 | 000T03:25:00 | 2007-014T02:03:31 | Prime | CIRS_037TI_MIDIRTMAP003_PRIME.jpg | CIRS_037TI_MIDIRTMAP003_PRIME.sasf | CIRS_037TI_MIDIRTMAP003_PRIME.sof | CIRS_037TI_MIDIRTMAP003_PRIME.prf | CIRS_037TI_MIDIRTMAP003_PRIME.ck |
| CIRS_037TI_MIDIRTMAP003_SI | 2007-013T22:38:31 | GMB_E037_Titan23+000T14:00:00 | 000T03:25:00 | 2007-014T02:03:31 | SPASS Rider | | | | | |
| CIRS_037TI_COMPMAP012_PRIME | 2007-014T14:04:00 | | 000T02:00:00 | 2007-014T16:04:00 | Prime | CIRS_037TI_COMPMAP012_PRIME.jpg | CIRS_037TI_COMPMAP012_PRIME.sasf | CIRS_037TI_COMPMAP012_PRIME.sof | CIRS_037TI_COMPMAP012_PRIME.prf | CIRS_037TI_COMPMAP012_PRIME.ck |
| CIRS_038TI_COMPMAP013_PRIME | 2007-026T17:51:00 | | 000T09:00:00 | 2007-027T02:51:00 | Prime | CIRS_038TI_COMPMAP013_PRIME.jpg | CIRS_038TI_COMPMAP013_PRIME.sasf | CIRS_038TI_COMPMAP013_PRIME.sof | CIRS_038TI_COMPMAP013_PRIME.prf | CIRS_038TI_COMPMAP013_PRIME.ck |
| CIRS_038TI_MIDIRTMAP001_PRIME | 2007-028T13:00:55 | GMB_E038_Titan24+000T18:15:00 | 000T02:15:00 | 2007-028T15:15:55 | Prime | CIRS_038TI_MIDIRTMAP001_PRIME.jpg | CIRS_038TI_MIDIRTMAP001_PRIME.sasf | CIRS_038TI_MIDIRTMAP001_PRIME.sof | CIRS_038TI_MIDIRTMAP001_PRIME.prf | CIRS_038TI_MIDIRTMAP001_PRIME.ck |
| CIRS_038TI_MIDIRTMAP001_SI | 2007-028T13:00:55 | GMB_E038_Titan24+000T18:15:00 | 000T02:15:00 | 2007-028T15:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_NIGHTNAAC001_ISS | 2007-028T15:15:55 | GMB_E038_Titan24+000T16:00:00 | 000T01:00:00 | 2007-028T16:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_FIRNADCMPO01_PRIME | 2007-028T16:15:55 | GMB_E038_Titan24+000T15:00:00 | 000T05:00:00 | 2007-028T21:15:55 | Prime | CIRS_038TI_FIRNADCMPO01_PRIME.jpg | CIRS_038TI_FIRNADCMPO01_PRIME.sasf | CIRS_038TI_FIRNADCMPO01_PRIME.sof | CIRS_038TI_FIRNADCMPO01_PRIME.prf | CIRS_038TI_FIRNADCMPO01_PRIME.ck |
| CIRS_038TI_FIRNADCMPO01_SI | 2007-028T16:15:55 | GMB_E038_Titan24+000T15:00:00 | 000T05:00:00 | 2007-028T21:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_PHOTOMWAC001_ISS | 2007-028T21:15:55 | GMB_E038_Titan24+000T10:00:00 | 000T01:00:00 | 2007-028T22:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_EUUVFUJ001_UVIS | 2007-028T22:15:55 | GMB_E038_Titan24+000T09:00:00 | 000T06:00:00 | 2007-029T04:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_NIGHTWAC001_ISS | 2007-029T04:15:55 | GMB_E038_Titan24+000T03:00:00 | 000T01:00:00 | 2007-029T05:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_FIRLMBINT001_PRIME | 2007-029T05:15:55 | GMB_E038_Titan24+000T02:00:00 | 000T00:45:00 | 2007-029T06:05:55 | Prime | CIRS_038TI_FIRLMBINT001_PRIME.jpg | CIRS_038TI_FIRLMBINT001_PRIME.sasf | CIRS_038TI_FIRLMBINT001_PRIME.sof | CIRS_038TI_FIRLMBINT001_PRIME.prf | CIRS_038TI_FIRLMBINT001_PRIME.ck |
| CIRS_038TI_FIRLMBINT001_SI | 2007-029T05:15:55 | GMB_E038_Titan24+000T02:00:00 | 000T00:45:00 | 2007-029T06:05:55 | SPASS Rider | | | | | |
| CIRS_038TI_FIRLMBT001_PRIME | 2007-029T06:05:55 | GMB_E038_Titan24+000T01:55:00 | 000T00:52:00 | 2007-029T06:52:55 | Prime | CIRS_038TI_FIRLMBT001_PRIME.jpg | CIRS_038TI_FIRLMBT001_PRIME.sasf | CIRS_038TI_FIRLMBT001_PRIME.sof | CIRS_038TI_FIRLMBT001_PRIME.prf | CIRS_038TI_FIRLMBT001_PRIME.ck |
| CIRS_038TI_FIRLMBT001_SI | 2007-029T06:05:55 | GMB_E038_Titan24+000T01:55:00 | 000T00:52:00 | 2007-029T06:52:55 | SPASS Rider | | | | | |
| CIRS_038TI_HIRESNAC001_VIMS | 2007-029T06:58:55 | GMB_E038_Titan24+000T01:17:00 | 000T02:17:00 | 2007-029T09:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_REGMAP001_ISS | 2007-029T09:15:55 | GMB_E038_Titan24+000T02:00:00 | 000T02:00:00 | 2007-029T11:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_FIRNADMAP002_PRIME | 2007-029T11:15:55 | GMB_E038_Titan24+000T04:00:00 | 000T01:00:00 | 2007-029T12:15:55 | Prime | CIRS_038TI_FIRNADMAP002_PRIME.jpg | CIRS_038TI_FIRNADMAP002_PRIME.sasf | CIRS_038TI_FIRNADMAP002_PRIME.sof | CIRS_038TI_FIRNADMAP002_PRIME.prf | CIRS_038TI_FIRNADMAP002_PRIME.ck |
| CIRS_038TI_FIRNADMAP002_SI | 2007-029T11:15:55 | GMB_E038_Titan24+000T04:00:00 | 000T01:00:00 | 2007-029T12:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_MIRLMBINT002_PRIME | 2007-029T12:15:55 | GMB_E038_Titan24+000T05:00:00 | 000T04:00:00 | 2007-029T16:15:55 | Prime | CIRS_038TI_MIRLMBINT002_PRIME.jpg | CIRS_038TI_MIRLMBINT002_PRIME.sasf | CIRS_038TI_MIRLMBINT002_PRIME.sof | CIRS_038TI_MIRLMBINT002_PRIME.prf | CIRS_038TI_MIRLMBINT002_PRIME.ck |
| CIRS_038TI_MIRLMBINT002_SI | 2007-029T12:15:55 | GMB_E038_Titan24+000T05:00:00 | 000T04:00:00 | 2007-029T16:15:55 | SPASS Rider | | | | | |
| CIRS_038TI_FIRNADCMPO02_PRIME | 2007-029T16:15:55 | GMB_E038_Titan24+000T09:00:00 | 000T05:00:00 | 2007-029T21:15:55 | Prime | CIRS_038TI_FIRNADCMPO02_PRIME.jpg | CIRS_038TI_FIRNADCMPO02_PRIME.sasf | CIRS_038TI_FIRNADCMPO02_PRIME.sof | CIRS_038TI_FIRNADCMPO02_PRIME.prf | CIRS_038TI_FIRNADCMPO02_PRIME.ck |
| CIRS_038TI_FIRNADCMPO02_SI | 2007-029T16:15:55 | GMB_E038_Titan24+000T09:00:00 | 000T05:00:00 | 2007-029T21:15:55 | SPASS Rider | | | | | |

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|-------------------------------|-------------------|-------------------------------|--------------|-------------------|-------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| CIRS_038TI_MIDIRTMAP002_PRIME | 2007-029T21:15:55 | GMB_E038_Titan24+000T14:00:00 | 000T05:14:00 | 2007-030T02:29:55 | Prime | CIRS_038TI_MIDIRTMAP002_PRIME.jpg | CIRS_038TI_MIDIRTMAP002_PRIME.sasf | CIRS_038TI_MIDIRTMAP002_PRIME.sof | CIRS_038TI_MIDIRTMAP002_PRIME.prf | CIRS_038TI_MIDIRTMAP002_PRIME.ck |
| CIRS_038TI_MIDIRTMAP002_SI | 2007-029T21:15:55 | GMB_E038_Titan24+000T14:00:00 | 000T05:14:00 | 2007-030T02:29:55 | SPASS Rider | | | | | |
| CIRS_038TI_TEMPMPA011_PRIME | 2007-030T16:37:00 | | 000T06:00:00 | 2007-030T22:37:00 | Prime | CIRS_038TI_TEMPMPA011_PRIME.jpg | CIRS_038TI_TEMPMPA011_PRIME.sasf | CIRS_038TI_TEMPMPA011_PRIME.sof | CIRS_038TI_TEMPMPA011_PRIME.prf | CIRS_038TI_TEMPMPA011_PRIME.ck |
| CIRS_039TI_NIGHTNAC001_ISS | 2007-052T11:23:25 | GMB_E039_Titan25+000T15:48:59 | 000T00:48:59 | 2007-052T12:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_MIDIRTMAP001_PRIME | 2007-052T12:12:24 | GMB_E039_Titan25+000T15:00:00 | 000T02:00:00 | 2007-052T14:12:24 | Prime | CIRS_039TI_MIDIRTMAP001_PRIME.jpg | CIRS_039TI_MIDIRTMAP001_PRIME.sasf | CIRS_039TI_MIDIRTMAP001_PRIME.sof | CIRS_039TI_MIDIRTMAP001_PRIME.prf | CIRS_039TI_MIDIRTMAP001_PRIME.ck |
| CIRS_039TI_MIDIRTMAP001_SI | 2007-052T12:12:24 | GMB_E039_Titan25+000T15:00:00 | 000T02:00:00 | 2007-052T14:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_FIRNADCMP001_PRIME | 2007-052T14:12:24 | GMB_E039_Titan25+000T13:00:00 | 000T03:00:00 | 2007-052T17:12:24 | Prime | CIRS_039TI_FIRNADCMP001_PRIME.jpg | CIRS_039TI_FIRNADCMP001_PRIME.sasf | CIRS_039TI_FIRNADCMP001_PRIME.sof | CIRS_039TI_FIRNADCMP001_PRIME.prf | CIRS_039TI_FIRNADCMP001_PRIME.ck |
| CIRS_039TI_FIRNADCMP001_SI | 2007-052T14:12:24 | GMB_E039_Titan25+000T13:00:00 | 000T03:00:00 | 2007-052T17:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_PHOTOHWAC001_ISS | 2007-052T17:12:24 | GMB_E039_Titan25+000T10:00:00 | 000T01:00:00 | 2007-052T18:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_MIRLMBMAP001_PRIME | 2007-052T18:12:24 | GMB_E039_Titan25+000T09:00:00 | 000T03:50:00 | 2007-052T22:22:24 | Prime | CIRS_039TI_MIRLMBMAP001_PRIME.jpg | CIRS_039TI_MIRLMBMAP001_PRIME.sasf | CIRS_039TI_MIRLMBMAP001_PRIME.sof | CIRS_039TI_MIRLMBMAP001_PRIME.prf | CIRS_039TI_MIRLMBMAP001_PRIME.ck |
| CIRS_039TI_MIRLMBMAP001_SI | 2007-052T18:12:24 | GMB_E039_Titan25+000T09:00:00 | 000T03:45:00 | 2007-052T21:57:24 | SPASS Rider | | | | | |
| CIRS_039TI_GLOBMAP001_ISS | 2007-053T08:23:24 | GMB_E039_Titan25+000T05:11:00 | 000T03:25:00 | 2007-053T11:48:24 | SPASS Rider | | | | | |
| CIRS_039TI_PHOTOHWAC002_ISS | 2007-053T11:48:24 | GMB_E039_Titan25+000T08:36:00 | 000T00:24:00 | 2007-053T12:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_FIRNADCMP002_PRIME | 2007-053T12:12:24 | GMB_E039_Titan25+000T09:00:00 | 000T02:00:00 | 2007-053T14:12:24 | Prime | CIRS_039TI_FIRNADCMP002_PRIME.jpg | CIRS_039TI_FIRNADCMP002_PRIME.sasf | CIRS_039TI_FIRNADCMP002_PRIME.sof | CIRS_039TI_FIRNADCMP002_PRIME.prf | CIRS_039TI_FIRNADCMP002_PRIME.ck |
| CIRS_039TI_FIRNADCMP002_SI | 2007-053T12:12:24 | GMB_E039_Titan25+000T09:00:00 | 000T02:00:00 | 2007-053T14:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_MONITORNA001_ISS | 2007-053T14:12:24 | GMB_E039_Titan25+000T11:00:00 | 000T02:00:00 | 2007-053T16:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_GLOBMAP001_VIMS | 2007-053T16:12:24 | GMB_E039_Titan25+000T13:00:00 | 000T01:00:00 | 2007-053T17:12:24 | SPASS Rider | | | | | |
| CIRS_039TI_MIDIRTMAP002_PRIME | 2007-053T17:12:24 | GMB_E039_Titan25+000T14:00:00 | 000T07:15:00 | 2007-054T00:27:24 | Prime | CIRS_039TI_MIDIRTMAP002_PRIME.jpg | CIRS_039TI_MIDIRTMAP002_PRIME.sasf | CIRS_039TI_MIDIRTMAP002_PRIME.sof | CIRS_039TI_MIDIRTMAP002_PRIME.prf | CIRS_039TI_MIDIRTMAP002_PRIME.ck |
| CIRS_039TI_MIDIRTMAP002_SI | 2007-053T17:12:24 | GMB_E039_Titan25+000T14:00:00 | 000T07:15:00 | 2007-054T00:27:24 | SPASS Rider | | | | | |
| CIRS_040TI_COMPMAP026_PRIME | 2007-067T19:51:00 | | 000T04:00:00 | 2007-067T23:51:00 | Prime | CIRS_040TI_COMPMAP026_PRIME.jpg | CIRS_040TI_COMPMAP026_PRIME.sasf | CIRS_040TI_COMPMAP026_PRIME.sof | CIRS_040TI_COMPMAP026_PRIME.prf | CIRS_040TI_COMPMAP026_PRIME.ck |
| CIRS_040TI_NIGHTNAC001_ISS | 2007-068T10:08:00 | GMB_E040_Titan26+000T15:41:00 | 000T01:00:00 | 2007-068T11:08:00 | SPASS Rider | | | | | |
| CIRS_040TI_MIDIRTMAP001_PRIME | 2007-068T11:08:00 | GMB_E040_Titan26+000T14:41:00 | 000T01:41:00 | 2007-068T12:49:00 | Prime | CIRS_040TI_MIDIRTMAP001_PRIME.jpg | CIRS_040TI_MIDIRTMAP001_PRIME.sasf | CIRS_040TI_MIDIRTMAP001_PRIME.sof | CIRS_040TI_MIDIRTMAP001_PRIME.prf | CIRS_040TI_MIDIRTMAP001_PRIME.ck |
| CIRS_040TI_MIDIRTMAP001_SI | 2007-068T11:08:00 | GMB_E040_Titan26+000T14:41:00 | 000T01:41:00 | 2007-068T12:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRNADCMP001_PRIME | 2007-068T12:49:00 | GMB_E040_Titan26+000T13:00:00 | 000T03:00:00 | 2007-068T15:49:00 | Prime | CIRS_040TI_FIRNADCMP001_PRIME.jpg | CIRS_040TI_FIRNADCMP001_PRIME.sasf | CIRS_040TI_FIRNADCMP001_PRIME.sof | CIRS_040TI_FIRNADCMP001_PRIME.prf | CIRS_040TI_FIRNADCMP001_PRIME.ck |
| CIRS_040TI_FIRNADCMP001_SI | 2007-068T12:49:00 | GMB_E040_Titan26+000T13:00:00 | 000T03:00:00 | 2007-068T15:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_PHOTOHWAC001_ISS | 2007-068T15:49:00 | GMB_E040_Titan26+000T10:00:00 | 000T01:00:00 | 2007-068T16:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_MIRLMBMAP001_PRIME | 2007-068T16:49:00 | GMB_E040_Titan26+000T09:00:00 | 000T04:00:00 | 2007-068T20:49:00 | Prime | CIRS_040TI_MIRLMBMAP001_PRIME.jpg | CIRS_040TI_MIRLMBMAP001_PRIME.sasf | CIRS_040TI_MIRLMBMAP001_PRIME.sof | CIRS_040TI_MIRLMBMAP001_PRIME.prf | CIRS_040TI_MIRLMBMAP001_PRIME.ck |
| CIRS_040TI_MIRLMBMAP001_SI | 2007-068T16:49:00 | GMB_E040_Titan26+000T09:00:00 | 000T05:00:00 | 2007-068T21:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRNADMAP001_PRIME | 2007-068T20:49:00 | GMB_E040_Titan26+000T05:00:00 | 000T02:45:00 | 2007-068T23:34:00 | Prime | CIRS_040TI_FIRNADMAP001_PRIME.jpg | CIRS_040TI_FIRNADMAP001_PRIME.sasf | CIRS_040TI_FIRNADMAP001_PRIME.sof | CIRS_040TI_FIRNADMAP001_PRIME.prf | CIRS_040TI_FIRNADMAP001_PRIME.ck |
| CIRS_040TI_FIRNADMAP001_SI | 2007-068T20:49:00 | GMB_E040_Titan26+000T05:00:00 | 000T02:45:00 | 2007-068T23:34:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRLMINT001_PRIME | 2007-068T23:34:00 | GMB_E040_Titan26+000T02:15:00 | 000T00:51:00 | 2007-069T02:25:00 | Prime | CIRS_040TI_FIRLMINT001_PRIME.jpg | CIRS_040TI_FIRLMINT001_PRIME.sasf | CIRS_040TI_FIRLMINT001_PRIME.sof | CIRS_040TI_FIRLMINT001_PRIME.prf | CIRS_040TI_FIRLMINT001_PRIME.ck |
| CIRS_040TI_FIRLMINT001_SI | 2007-068T23:34:00 | GMB_E040_Titan26+000T02:15:00 | 000T00:51:00 | 2007-069T02:25:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRLMINT001_RIDER | 2007-069T00:25:00 | GMB_E040_Titan26+000T01:24:00 | 000T00:24:00 | 2007-069T00:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRLMINT002_PRIME | 2007-069T02:12:00 | GMB_E040_Titan26+000T02:23:00 | 000T00:30:00 | 2007-069T02:42:00 | Prime | CIRS_040TI_FIRLMINT002_PRIME.jpg | CIRS_040TI_FIRLMINT002_PRIME.sasf | CIRS_040TI_FIRLMINT002_PRIME.sof | CIRS_040TI_FIRLMINT002_PRIME.prf | CIRS_040TI_FIRLMINT002_PRIME.ck |
| CIRS_040TI_FIRLMINT002_SI | 2007-069T02:12:00 | GMB_E040_Titan26+000T02:23:00 | 000T00:30:00 | 2007-069T02:42:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRLMBAER002_PRIME | 2007-069T02:42:00 | GMB_E040_Titan26+000T05:53:00 | 000T00:30:00 | 2007-069T03:12:00 | Prime | CIRS_040TI_FIRLMBAER002_PRIME.jpg | CIRS_040TI_FIRLMBAER002_PRIME.sasf | CIRS_040TI_FIRLMBAER002_PRIME.sof | CIRS_040TI_FIRLMBAER002_PRIME.prf | CIRS_040TI_FIRLMBAER002_PRIME.ck |
| CIRS_040TI_FIRLMBAER002_SI | 2007-069T02:42:00 | GMB_E040_Titan26+000T05:53:00 | 000T00:30:00 | 2007-069T03:12:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRLMINT002_RIDER | 2007-069T03:12:00 | GMB_E040_Titan26+000T01:23:00 | 000T00:23:00 | 2007-069T03:35:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRLMINT002_PRIME | 2007-069T03:35:00 | GMB_E040_Titan26+000T01:46:00 | 000T00:37:00 | 2007-069T04:12:00 | Prime | CIRS_040TI_FIRLMINT002_PRIME.jpg | CIRS_040TI_FIRLMINT002_PRIME.sasf | CIRS_040TI_FIRLMINT002_PRIME.sof | CIRS_040TI_FIRLMINT002_PRIME.prf | CIRS_040TI_FIRLMINT002_PRIME.ck |
| CIRS_040TI_FIRLMINT002_SI | 2007-069T03:35:00 | GMB_E040_Titan26+000T01:46:00 | 000T00:37:00 | 2007-069T04:12:00 | SPASS Rider | | | | | |
| CIRS_040TI_REGMAP001_ISS | 2007-069T04:12:00 | GMB_E040_Titan26+000T02:23:00 | 000T01:52:00 | 2007-069T06:04:00 | SPASS Rider | | | | | |
| CIRS_040TI_FIRNADMAP002_PRIME | 2007-069T06:04:00 | GMB_E040_Titan26+000T04:15:00 | 000T00:45:00 | 2007-069T06:49:00 | Prime | CIRS_040TI_FIRNADMAP002_PRIME.jpg | CIRS_040TI_FIRNADMAP002_PRIME.sasf | CIRS_040TI_FIRNADMAP002_PRIME.sof | CIRS_040TI_FIRNADMAP002_PRIME.prf | CIRS_040TI_FIRNADMAP002_PRIME.ck |
| CIRS_040TI_FIRNADMAP002_SI | 2007-069T06:04:00 | GMB_E040_Titan26+000T04:15:00 | 000T00:45:00 | 2007-069T06:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_EUV/FUV002_UVIS | 2007-069T06:49:00 | GMB_E040_Titan26+000T05:00:00 | 000T03:00:00 | 2007-069T09:49:00 | SPASS Rider | | | | | |
| CIRS_040TI_GLOBMAP001_ISS | 2007-069T09:49:00 | GMB_E040_Titan26+000T08:00:00 | 000T00:40:00 | 2007-069T10:29:00 | SPASS Rider | | | | | |

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|--------------------------------|-------------------|-------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_052TI_FIRLMBBAER001_PRIME | 2007-322T23:08:25 | GMB_E052_Titan37+000T01:39:00 | 000T00:54:00 | 2007-323T00:02:25 | Prime | CIRS_052TI_FIRLMBBAER001_PRIME.jpg | CIRS_052TI_FIRLMBBAER001_PRIME.sasf | CIRS_052TI_FIRLMBBAER001_PRIME.sof | CIRS_052TI_FIRLMBBAER001_PRIME.pef | CIRS_052TI_FIRLMBBAER001_PRIME.ck |
| CIRS_052TI_FIRLMBT001_SI | 2007-322T23:08:25 | GMB_E052_Titan37+000T01:39:00 | 000T00:54:00 | 2007-323T00:02:25 | SPASS Rider | | | | | |
| CIRS_052TI_FIRLMBT001_PRIME | 2007-323T00:02:25 | GMB_E052_Titan37+000T00:45:00 | 000T00:30:00 | 2007-323T00:32:25 | Prime | CIRS_052TI_FIRLMBT001_PRIME.jpg | CIRS_052TI_FIRLMBT001_PRIME.sasf | CIRS_052TI_FIRLMBT001_PRIME.sof | CIRS_052TI_FIRLMBT001_PRIME.pef | CIRS_052TI_FIRLMBT001_PRIME.ck |
| CIRS_052TI_FIRLMBT001_SI | 2007-323T00:02:25 | GMB_E052_Titan37+000T00:45:00 | 000T00:30:00 | 2007-323T00:32:25 | SPASS Rider | | | | | |
| CIRS_052TI_FIRLMBT002 RIDER | 2007-323T01:08:25 | GMB_E052_Titan37+000T00:21:00 | 000T00:23:00 | 2007-323T01:31:25 | SPASS Rider | | | | | |
| CIRS_052TI_HIRESNAC001_VIMS | 2007-323T01:31:25 | GMB_E052_Titan37+000T00:44:00 | 000T01:16:00 | 2007-323T02:47:25 | SPASS Rider | | | | | |
| CIRS_052TI_REGMAP001_ISS | 2007-323T02:47:25 | GMB_E052_Titan37+000T02:00:00 | 000T02:00:00 | 2007-323T04:47:25 | SPASS Rider | | | | | |
| CIRS_052TI_FIRNADMAP002_PRIME | 2007-323T04:47:25 | GMB_E052_Titan37+000T04:00:00 | 000T01:00:00 | 2007-323T05:47:25 | Prime | CIRS_052TI_FIRNADMAP002_PRIME.jpg | CIRS_052TI_FIRNADMAP002_PRIME.sasf | CIRS_052TI_FIRNADMAP002_PRIME.sof | CIRS_052TI_FIRNADMAP002_PRIME.pef | CIRS_052TI_FIRNADMAP002_PRIME.ck |
| CIRS_052TI_FIRNADMAP002_SI | 2007-323T04:47:25 | GMB_E052_Titan37+000T04:00:00 | 000T01:00:00 | 2007-323T05:47:25 | SPASS Rider | | | | | |
| CIRS_052TI_GLOBMAP002_ISS | 2007-323T05:47:25 | GMB_E052_Titan37+000T05:00:00 | 000T03:36:00 | 2007-323T09:23:25 | SPASS Rider | | | | | |
| CIRS_052TI_PHOTOHWAC002_ISS | 2007-323T09:23:25 | GMB_E052_Titan37+000T08:36:00 | 000T00:24:00 | 2007-323T09:47:25 | SPASS Rider | | | | | |
| CIRS_052TI_FIRNADCMP002_PRIME | 2007-323T09:47:25 | GMB_E052_Titan37+000T09:00:00 | 000T05:00:00 | 2007-323T14:47:25 | Prime | CIRS_052TI_FIRNADCMP002_PRIME.jpg | CIRS_052TI_FIRNADCMP002_PRIME.sasf | CIRS_052TI_FIRNADCMP002_PRIME.sof | CIRS_052TI_FIRNADCMP002_PRIME.pef | CIRS_052TI_FIRNADCMP002_PRIME.ck |
| CIRS_052TI_FIRNADCMP002_SI | 2007-323T09:47:25 | GMB_E052_Titan37+000T09:00:00 | 000T05:00:00 | 2007-323T14:47:25 | SPASS Rider | | | | | |
| CIRS_052TI_MIDIRTMAP002_PRIME | 2007-323T14:47:25 | GMB_E052_Titan37+000T14:00:00 | 000T07:00:00 | 2007-323T21:47:25 | Prime | CIRS_052TI_MIDIRTMAP002_PRIME.jpg | CIRS_052TI_MIDIRTMAP002_PRIME.sasf | CIRS_052TI_MIDIRTMAP002_PRIME.sof | CIRS_052TI_MIDIRTMAP002_PRIME.pef | CIRS_052TI_MIDIRTMAP002_PRIME.ck |
| CIRS_052TI_MIDIRTMAP002_SI | 2007-323T14:47:25 | GMB_E052_Titan37+000T14:00:00 | 000T07:00:00 | 2007-323T21:47:25 | SPASS Rider | | | | | |
| CIRS_052TI_COMPMAP016_PRIME | 2007-323T21:47:25 | GMB_E052_Titan37+000T21:00:00 | 000T02:19:09 | 2007-324T00:06:34 | Prime | CIRS_052TI_COMPMAP016_PRIME.jpg | CIRS_052TI_COMPMAP016_PRIME.sasf | CIRS_052TI_COMPMAP016_PRIME.sof | CIRS_052TI_COMPMAP016_PRIME.pef | CIRS_052TI_COMPMAP016_PRIME.ck |
| CIRS_052TI_COMPMAP015_PRIME | 2007-324T10:27:00 | | 000T07:00:00 | 2007-324T17:27:00 | Prime | CIRS_052TI_COMPMAP015_PRIME.jpg | CIRS_052TI_COMPMAP015_PRIME.sasf | CIRS_052TI_COMPMAP015_PRIME.sof | CIRS_052TI_COMPMAP015_PRIME.pef | CIRS_052TI_COMPMAP015_PRIME.ck |
| CIRS_053TI_FIRNADCP001_PRIME | 2007-338T09:59:50 | GMB_E053_Titan38+000T14:07:00 | 000T04:07:00 | 2007-338T14:06:50 | Prime | CIRS_053TI_FIRNADCP001_PRIME.jpg | CIRS_053TI_FIRNADCP001_PRIME.sasf | CIRS_053TI_FIRNADCP001_PRIME.sof | CIRS_053TI_FIRNADCP001_PRIME.pef | CIRS_053TI_FIRNADCP001_PRIME.ck |
| CIRS_053TI_FIRNADCP001_SI | 2007-338T09:59:50 | GMB_E053_Titan38+000T14:07:00 | 000T04:07:00 | 2007-338T14:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_PHOTOHWAC001_ISS | 2007-338T14:06:50 | GMB_E053_Titan38+000T10:00:00 | 000T01:00:00 | 2007-338T15:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_FIRNADMAP001_PRIME | 2007-338T18:36:50 | GMB_E053_Titan38+000T05:30:00 | 000T03:00:00 | 2007-338T21:36:50 | Prime | CIRS_053TI_FIRNADMAP001_PRIME.jpg | CIRS_053TI_FIRNADMAP001_PRIME.sasf | CIRS_053TI_FIRNADMAP001_PRIME.sof | CIRS_053TI_FIRNADMAP001_PRIME.pef | CIRS_053TI_FIRNADMAP001_PRIME.ck |
| CIRS_053TI_FIRNADMAP001_SI | 2007-338T18:36:50 | GMB_E053_Titan38+000T05:30:00 | 000T03:00:00 | 2007-338T21:36:50 | SPASS Rider | | | | | |
| CIRS_053TI_FIRLMBINT001_PRIME | 2007-338T21:36:50 | GMB_E053_Titan38+000T02:30:00 | 000T01:15:00 | 2007-338T22:51:50 | Prime | CIRS_053TI_FIRLMBINT001_PRIME.jpg | CIRS_053TI_FIRLMBINT001_PRIME.sasf | CIRS_053TI_FIRLMBINT001_PRIME.sof | CIRS_053TI_FIRLMBINT001_PRIME.pef | CIRS_053TI_FIRLMBINT001_PRIME.ck |
| CIRS_053TI_FIRLMBINT001_SI | 2007-338T21:36:50 | GMB_E053_Titan38+000T02:30:00 | 000T01:15:00 | 2007-338T22:51:50 | SPASS Rider | | | | | |
| CIRS_053TI_FIRLMBBAER001_PRIME | 2007-338T22:51:50 | GMB_E053_Titan38+000T01:15:00 | 000T00:25:00 | 2007-338T23:16:50 | Prime | CIRS_053TI_FIRLMBBAER001_PRIME.jpg | CIRS_053TI_FIRLMBBAER001_PRIME.sasf | CIRS_053TI_FIRLMBBAER001_PRIME.sof | CIRS_053TI_FIRLMBBAER001_PRIME.pef | CIRS_053TI_FIRLMBBAER001_PRIME.ck |
| CIRS_053TI_FIRLMBBAER001_SI | 2007-338T22:51:50 | GMB_E053_Titan38+000T01:15:00 | 000T00:25:00 | 2007-338T23:16:50 | SPASS Rider | | | | | |
| CIRS_053TI_FIRLMBT001_PRIME | 2007-338T23:16:50 | GMB_E053_Titan38+000T00:50:00 | 000T00:35:00 | 2007-338T23:51:50 | Prime | CIRS_053TI_FIRLMBT001_PRIME.jpg | CIRS_053TI_FIRLMBT001_PRIME.sasf | CIRS_053TI_FIRLMBT001_PRIME.sof | CIRS_053TI_FIRLMBT001_PRIME.pef | CIRS_053TI_FIRLMBT001_PRIME.ck |
| CIRS_053TI_FIRLMBT001_SI | 2007-338T23:16:50 | GMB_E053_Titan38+000T00:50:00 | 000T00:35:00 | 2007-338T23:51:50 | SPASS Rider | | | | | |
| CIRS_053TI_HIRESNAC001_VIMS | 2007-338T23:51:50 | GMB_E053_Titan38+000T00:15:00 | 000T02:15:00 | 2007-339T02:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_REGMAP001_ISS | 2007-339T02:06:50 | GMB_E053_Titan38+000T02:00:00 | 000T02:00:00 | 2007-339T04:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_FIRNADMAP002_PRIME | 2007-339T04:06:50 | GMB_E053_Titan38+000T04:00:00 | 000T01:00:00 | 2007-339T05:06:50 | Prime | CIRS_053TI_FIRNADMAP002_PRIME.jpg | CIRS_053TI_FIRNADMAP002_PRIME.sasf | CIRS_053TI_FIRNADMAP002_PRIME.sof | CIRS_053TI_FIRNADMAP002_PRIME.pef | CIRS_053TI_FIRNADMAP002_PRIME.ck |
| CIRS_053TI_FIRNADMAP002_SI | 2007-339T04:06:50 | GMB_E053_Titan38+000T04:00:00 | 000T01:00:00 | 2007-339T05:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_REGMAP002_ISS | 2007-339T05:06:50 | GMB_E053_Titan38+000T05:00:00 | 000T03:00:00 | 2007-339T08:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_REGMAP002_VIMS | 2007-339T08:06:50 | GMB_E053_Titan38+000T08:00:00 | 000T01:00:00 | 2007-339T09:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_FIRNADCMP002_PRIME | 2007-339T09:06:50 | GMB_E053_Titan38+000T09:00:00 | 000T02:00:00 | 2007-339T11:06:50 | Prime | CIRS_053TI_FIRNADCMP002_PRIME.jpg | CIRS_053TI_FIRNADCMP002_PRIME.sasf | CIRS_053TI_FIRNADCMP002_PRIME.sof | CIRS_053TI_FIRNADCMP002_PRIME.pef | CIRS_053TI_FIRNADCMP002_PRIME.ck |
| CIRS_053TI_FIRNADCMP002_SI | 2007-339T09:06:50 | GMB_E053_Titan38+000T09:00:00 | 000T02:00:00 | 2007-339T11:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_MONITORNA001_ISS | 2007-339T11:06:50 | GMB_E053_Titan38+000T11:00:00 | 000T02:00:00 | 2007-339T13:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_GLOBMAP002_VIMS | 2007-339T13:06:50 | GMB_E053_Titan38+000T13:00:00 | 000T01:00:00 | 2007-339T14:06:50 | SPASS Rider | | | | | |
| CIRS_053TI_MIDIRTMAP002_PRIME | 2007-339T14:06:50 | GMB_E053_Titan38+000T14:00:00 | 000T09:37:00 | 2007-339T23:43:50 | Prime | CIRS_053TI_MIDIRTMAP002_PRIME.jpg | CIRS_053TI_MIDIRTMAP002_PRIME.sasf | CIRS_053TI_MIDIRTMAP002_PRIME.sof | CIRS_053TI_MIDIRTMAP002_PRIME.pef | CIRS_053TI_MIDIRTMAP002_PRIME.ck |
| CIRS_053TI_MIDIRTMAP002_SI | 2007-339T14:06:50 | GMB_E053_Titan38+000T14:00:00 | 000T09:37:00 | 2007-339T23:43:50 | SPASS Rider | | | | | |
| CIRS_054TI_CLOUDMAP001_VIMS | 2007-354T09:13:55 | GMB_E054_Titan39+000T13:55:00 | 000T04:55:00 | 2007-354T13:57:55 | SPASS Rider | | | | | |
| CIRS_054TI_MIRLMBMAP001_PRIME | 2007-354T13:57:55 | GMB_E054_Titan39+000T09:00:00 | 000T03:54:00 | 2007-354T17:51:55 | Prime | CIRS_054TI_MIRLMBMAP001_PRIME.jpg | CIRS_054TI_MIRLMBMAP001_PRIME.sasf | CIRS_054TI_MIRLMBMAP001_PRIME.sof | CIRS_054TI_MIRLMBMAP001_PRIME.pef | CIRS_054TI_MIRLMBMAP001_PRIME.ck |
| CIRS_054TI_MIRLMBMAP001_SI | 2007-354T13:57:55 | GMB_E054_Titan39+000T09:00:00 | 000T03:54:00 | 2007-354T17:51:55 | SPASS Rider | | | | | |
| CIRS_054TI_MIRLMBINT002_PRIME | 2007-355T04:02:55 | GMB_E054_Titan39+000T05:05:00 | 000T03:55:00 | 2007-355T07:57:55 | Prime | CIRS_054TI_MIRLMBINT002_PRIME.jpg | CIRS_054TI_MIRLMBINT002_PRIME.sasf | CIRS_054TI_MIRLMBINT002_PRIME.sof | CIRS_054TI_MIRLMBINT002_PRIME.pef | CIRS_054TI_MIRLMBINT002_PRIME.ck |
| CIRS_054TI_MIRLMBINT002_SI | 2007-355T04:02:55 | GMB_E054_Titan39+000T05:05:00 | 000T03:55:00 | 2007-355T07:57:55 | SPASS Rider | | | | | |

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|-------------------------------|-------------------|-------------------------------|--------------|-------------------|-------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| CIRS_054TI_FIRNADCMP002_PRIME | 2007-355T07:57:55 | GMB_E054_Titan39+000T09:00:00 | 000T02:00:00 | 2007-355T09:57:55 | Prime | CIRS_054TI_FIRNADCMP002_PRIME.jpg | CIRS_054TI_FIRNADCMP002_PRIME.sasf | CIRS_054TI_FIRNADCMP002_PRIME.sof | CIRS_054TI_FIRNADCMP002_PRIME.prf | CIRS_054TI_FIRNADCMP002_PRIME.ck |
| CIRS_054TI_FIRNADCMP002_SI | 2007-355T07:57:55 | GMB_E054_Titan39+000T09:00:00 | 000T02:00:00 | 2007-355T09:57:55 | SPASS Rider | | | | | |
| CIRS_054TI_MONITORNA001_ISS | 2007-355T09:57:55 | GMB_E054_Titan39+000T11:00:00 | 000T02:00:00 | 2007-355T11:57:55 | SPASS Rider | | | | | |
| CIRS_054TI_GLOBMAP002_VIMS | 2007-355T11:57:55 | GMB_E054_Titan39+000T13:00:00 | 000T01:00:00 | 2007-355T12:57:55 | SPASS Rider | | | | | |
| CIRS_054TI_GLOBMAP001_VIMS | 2007-355T14:27:55 | GMB_E054_Titan39+000T15:30:00 | 000T08:45:00 | 2007-355T23:12:55 | SPASS Rider | | | | | |
| CIRS_055TI_TEMPMAP034_PRIME | 2008-004T16:48:00 | | 000T06:23:00 | 2008-004T23:11:00 | Prime | CIRS_055TI_TEMPMAP034_PRIME.jpg | CIRS_055TI_TEMPMAP034_PRIME.sasf | CIRS_055TI_TEMPMAP034_PRIME.sof | CIRS_055TI_TEMPMAP034_PRIME.prf | CIRS_055TI_TEMPMAP034_PRIME.ck |
| CIRS_055TI_FIRNADCMP001_PRIME | 2008-005T08:07:20 | GMB_E055_Titan40+000T13:23:00 | 000T03:23:00 | 2008-005T11:30:20 | Prime | CIRS_055TI_FIRNADCMP001_PRIME.jpg | CIRS_055TI_FIRNADCMP001_PRIME.sasf | CIRS_055TI_FIRNADCMP001_PRIME.sof | CIRS_055TI_FIRNADCMP001_PRIME.prf | CIRS_055TI_FIRNADCMP001_PRIME.ck |
| CIRS_055TI_FIRNADCMP001_SI | 2008-005T08:07:20 | GMB_E055_Titan40+000T13:23:00 | 000T03:23:00 | 2008-005T11:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_PHOTOIWAC001_ISS | 2008-005T11:30:20 | GMB_E055_Titan40+000T10:00:00 | 000T01:00:00 | 2008-005T12:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_EUVFUV001_UVIS | 2008-005T12:30:20 | GMB_E055_Titan40+000T09:00:00 | 000T04:00:00 | 2008-005T16:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_EUVFUV501_UVIS | 2008-005T16:30:20 | GMB_E055_Titan40+000T05:00:00 | 000T02:00:00 | 2008-005T18:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_NIGHTWAC001_ISS | 2008-005T18:30:20 | GMB_E055_Titan40+000T03:00:00 | 000T01:00:00 | 2008-005T19:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRLMBINT001_PRIME | 2008-005T19:30:20 | GMB_E055_Titan40+000T02:00:00 | 000T00:55:00 | 2008-005T20:25:20 | Prime | CIRS_055TI_FIRLMBINT001_PRIME.jpg | CIRS_055TI_FIRLMBINT001_PRIME.sasf | CIRS_055TI_FIRLMBINT001_PRIME.sof | CIRS_055TI_FIRLMBINT001_PRIME.prf | CIRS_055TI_FIRLMBINT001_PRIME.ck |
| CIRS_055TI_FIRLMBINT001_SI | 2008-005T19:30:20 | GMB_E055_Titan40+000T02:00:00 | 000T00:55:00 | 2008-005T20:25:20 | SPASS Rider | | | | | |
| CIRS_055TI_ALPLYR002_UVIS | 2008-005T20:25:20 | GMB_E055_Titan40+000T01:05:00 | 000T00:37:00 | 2008-005T21:02:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADCMP004_RIDER | 2008-005T21:40:20 | GMB_E055_Titan40+000T00:10:00 | 000T00:05:00 | 2008-005T21:45:20 | SPASS Rider | | | | | |
| CIRS_055TI_HIRES001_VIMS | 2008-005T21:45:20 | GMB_E055_Titan40+000T00:15:00 | 000T00:13:00 | 2008-005T21:58:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADCMP006_RIDER | 2008-005T21:58:20 | GMB_E055_Titan40+000T00:28:00 | 000T00:08:00 | 2008-005T22:06:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADCMP006_RIDER | 2008-005T22:06:20 | GMB_E055_Titan40+000T00:36:00 | 000T00:24:00 | 2008-005T22:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_HIRESNAC001_VIMS | 2008-005T22:33:20 | GMB_E055_Titan40+000T01:03:00 | 000T00:57:00 | 2008-005T23:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_REGMAP001_ISS | 2008-005T23:30:20 | GMB_E055_Titan40+000T02:00:00 | 000T02:00:00 | 2008-006T01:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADMAP002_PRIME | 2008-006T01:30:20 | GMB_E055_Titan40+000T04:00:00 | 000T01:00:00 | 2008-006T02:30:20 | Prime | CIRS_055TI_FIRNADMAP002_PRIME.jpg | CIRS_055TI_FIRNADMAP002_PRIME.sasf | CIRS_055TI_FIRNADMAP002_PRIME.sof | CIRS_055TI_FIRNADMAP002_PRIME.prf | CIRS_055TI_FIRNADMAP002_PRIME.ck |
| CIRS_055TI_FIRNADMAP002_SI | 2008-006T01:30:20 | GMB_E055_Titan40+000T04:00:00 | 000T01:00:00 | 2008-006T02:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_MEDRES003_VIMS | 2008-006T02:30:20 | GMB_E055_Titan40+000T05:00:00 | 000T02:00:00 | 2008-006T04:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADCMP005_ISS | 2008-006T04:30:20 | GMB_E055_Titan40+000T07:00:00 | 000T02:00:00 | 2008-006T06:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADCMP002_PRIME | 2008-006T06:30:20 | GMB_E055_Titan40+000T09:00:00 | 000T05:00:00 | 2008-006T11:30:20 | Prime | CIRS_055TI_FIRNADCMP002_PRIME.jpg | CIRS_055TI_FIRNADCMP002_PRIME.sasf | CIRS_055TI_FIRNADCMP002_PRIME.sof | CIRS_055TI_FIRNADCMP002_PRIME.prf | CIRS_055TI_FIRNADCMP002_PRIME.ck |
| CIRS_055TI_FIRNADCMP002_SI | 2008-006T06:30:20 | GMB_E055_Titan40+000T09:00:00 | 000T05:00:00 | 2008-006T11:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_MIDIRTMAP002_PRIME | 2008-006T11:30:20 | GMB_E055_Titan40+000T14:00:00 | 000T07:00:00 | 2008-006T18:30:20 | Prime | CIRS_055TI_MIDIRTMAP002_PRIME.jpg | CIRS_055TI_MIDIRTMAP002_PRIME.sasf | CIRS_055TI_MIDIRTMAP002_PRIME.sof | CIRS_055TI_MIDIRTMAP002_PRIME.prf | CIRS_055TI_MIDIRTMAP002_PRIME.ck |
| CIRS_055TI_MIDIRTMAP002_SI | 2008-006T11:30:20 | GMB_E055_Titan40+000T14:00:00 | 000T07:00:00 | 2008-006T18:30:20 | SPASS Rider | | | | | |
| CIRS_055TI_COMPMAP001_PRIME | 2008-006T18:30:20 | GMB_E055_Titan40+000T21:00:00 | 000T03:14:00 | 2008-006T21:44:20 | Prime | CIRS_055TI_COMPMAP001_PRIME.jpg | CIRS_055TI_COMPMAP001_PRIME.sasf | CIRS_055TI_COMPMAP001_PRIME.sof | CIRS_055TI_COMPMAP001_PRIME.prf | CIRS_055TI_COMPMAP001_PRIME.ck |
| CIRS_055TI_COMPMAP001_SI | 2008-006T18:30:20 | GMB_E055_Titan40+000T21:00:00 | 000T03:14:00 | 2008-006T21:44:20 | SPASS Rider | | | | | |
| CIRS_055TI_COMPMAP018_PRIME | 2008-022T14:11:00 | | 000T07:54:00 | 2008-022T22:05:00 | Prime | CIRS_055TI_COMPMAP018_PRIME.jpg | CIRS_055TI_COMPMAP018_PRIME.sasf | CIRS_055TI_COMPMAP018_PRIME.sof | CIRS_055TI_COMPMAP018_PRIME.prf | CIRS_055TI_COMPMAP018_PRIME.ck |
| CIRS_055TI_COMPMAP001_PRIME | 2008-052T12:06:00 | | 000T06:15:00 | 2008-052T18:21:00 | Prime | CIRS_059TI_COMPMAP001_PRIME.jpg | CIRS_059TI_COMPMAP001_PRIME.sasf | CIRS_059TI_COMPMAP001_PRIME.sof | CIRS_059TI_COMPMAP001_PRIME.prf | CIRS_059TI_COMPMAP001_PRIME.ck |
| CIRS_055TI_FIRNADCMP001_PRIME | 2008-053T04:29:07 | GMB_E059_Titan41+000T13:03:00 | 000T03:03:00 | 2008-053T07:32:07 | Prime | CIRS_059TI_FIRNADCMP001_PRIME.jpg | CIRS_059TI_FIRNADCMP001_PRIME.sasf | CIRS_059TI_FIRNADCMP001_PRIME.sof | CIRS_059TI_FIRNADCMP001_PRIME.prf | CIRS_059TI_FIRNADCMP001_PRIME.ck |
| CIRS_055TI_FIRNADCMP001_SI | 2008-053T04:29:07 | GMB_E059_Titan41+000T13:03:00 | 000T03:03:00 | 2008-053T07:32:07 | SPASS Rider | | | | | |
| CIRS_055TI_PHOTOIWAC001_ISS | 2008-053T07:32:07 | GMB_E059_Titan41+000T10:00:00 | 000T01:00:00 | 2008-053T08:32:07 | SPASS Rider | | | | | |
| CIRS_055TI_MEDRESDRK001_VIMS | 2008-053T08:32:07 | GMB_E059_Titan41+000T09:00:00 | 000T03:45:00 | 2008-053T12:17:07 | SPASS Rider | | | | | |
| CIRS_055TI_EUVFUV002_UVIS | 2008-053T12:02:07 | GMB_E059_Titan41+000T02:30:00 | 000T02:30:00 | 2008-053T22:32:07 | SPASS Rider | | | | | |
| CIRS_055TI_GLOBMAP001_ISS | 2008-053T22:32:07 | GMB_E059_Titan41+000T05:00:00 | 000T03:36:00 | 2008-054T02:08:07 | SPASS Rider | | | | | |
| CIRS_055TI_PHOTOIWAC002_ISS | 2008-054T02:08:07 | GMB_E059_Titan41+000T08:36:00 | 000T00:24:00 | 2008-054T02:32:07 | SPASS Rider | | | | | |
| CIRS_055TI_FIRNADCMP002_PRIME | 2008-054T02:32:07 | GMB_E059_Titan41+000T09:00:00 | 000T02:00:00 | 2008-054T04:32:07 | Prime | CIRS_059TI_FIRNADCMP002_PRIME.jpg | CIRS_059TI_FIRNADCMP002_PRIME.sasf | CIRS_059TI_FIRNADCMP002_PRIME.sof | CIRS_059TI_FIRNADCMP002_PRIME.prf | CIRS_059TI_FIRNADCMP002_PRIME.ck |
| CIRS_055TI_FIRNADCMP002_SI | 2008-054T02:32:07 | GMB_E059_Titan41+000T09:00:00 | 000T02:00:00 | 2008-054T04:32:07 | SPASS Rider | | | | | |
| CIRS_055TI_MONITORNA001_ISS | 2008-054T04:32:07 | GMB_E059_Titan41+000T11:00:00 | 000T02:00:00 | 2008-054T06:32:07 | SPASS Rider | | | | | |
| CIRS_055TI_GLOBMAP002_VIMS | 2008-054T06:32:07 | GMB_E059_Titan41+000T13:00:00 | 000T01:00:00 | 2008-054T07:32:07 | SPASS Rider | | | | | |
| CIRS_059TI_MIDIRTMAP002_PRIME | 2008-054T12:32:07 | GMB_E059_Titan41+000T19:00:00 | 000T02:53:00 | 2008-054T15:25:07 | Prime | CIRS_059TI_MIDIRTMAP002_PRIME.jpg | CIRS_059TI_MIDIRTMAP002_PRIME.sasf | CIRS_059TI_MIDIRTMAP002_PRIME.sof | CIRS_059TI_MIDIRTMAP002_PRIME.prf | CIRS_059TI_MIDIRTMAP002_PRIME.ck |

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|-------------------------------|-------------------|--------------------------------|--------------|-------------------|-------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| CIRS_097TI_FIRNADCM001_PRIME | 2008-355T23:59:52 | GMB_E097_Titan49+000T13:00:00 | 000T04:00:00 | 2008-356T03:59:52 | Prime | CIRS_097TI_FIRNADCM001_PRIME.jpg | CIRS_097TI_FIRNADCM001_PRIME.sasf | CIRS_097TI_FIRNADCM001_PRIME.sof | CIRS_097TI_FIRNADCM001_PRIME.prf | CIRS_097TI_FIRNADCM001_PRIME.ck |
| CIRS_097TI_FIRNADCM001_SI | 2008-355T23:59:52 | GMB_E097_Titan49+000T13:00:00 | 000T04:00:00 | 2008-356T03:59:52 | SPASS Rider | | | | | |
| CIRS_097TI_GLOBMAP001_ISS | 2008-356T03:59:52 | GMB_E097_Titan49+000T09:00:00 | 000T04:00:00 | 2008-356T07:59:52 | SPASS Rider | | | | | |
| CIRS_097TI_REGMAP001_ISS | 2008-356T07:59:52 | GMB_E097_Titan49+000T05:00:00 | 000T02:00:00 | 2008-356T09:59:52 | SPASS Rider | | | | | |
| CIRS_097TI_FIRLMBINT001_PRIME | 2008-356T09:59:52 | GMB_E097_Titan49+000T03:00:00 | 000T01:00:00 | 2008-356T10:59:52 | Prime | CIRS_097TI_FIRLMBINT001_PRIME.jpg | CIRS_097TI_FIRLMBINT001_PRIME.sasf | CIRS_097TI_FIRLMBINT001_PRIME.sof | CIRS_097TI_FIRLMBINT001_PRIME.prf | CIRS_097TI_FIRLMBINT001_PRIME.ck |
| CIRS_097TI_FIRLMBINT001_SI | 2008-356T09:59:52 | GMB_E097_Titan49+000T03:00:00 | 000T01:00:00 | 2008-356T10:59:52 | SPASS Rider | | | | | |
| CIRS_097TI_GLOBMAP001_VIMS | 2008-356T10:59:52 | GMB_E097_Titan49+000T02:00:00 | 000T01:14:00 | 2008-356T12:13:52 | SPASS Rider | | | | | |
| CIRS_098TI_MIRLMBINT001_PRIME | 2008-356T18:29:52 | GMB_E097_Titan49+000T05:30:00 | 000T03:30:00 | 2008-356T21:59:52 | Prime | CIRS_098TI_MIRLMBINT001_PRIME.jpg | CIRS_098TI_MIRLMBINT001_PRIME.sasf | CIRS_098TI_MIRLMBINT001_PRIME.sof | CIRS_098TI_MIRLMBINT001_PRIME.prf | CIRS_098TI_MIRLMBINT001_PRIME.ck |
| CIRS_098TI_MIRLMBINT001_SI | 2008-356T18:29:52 | GMB_E097_Titan49+000T05:30:00 | 000T03:30:00 | 2008-356T21:59:52 | SPASS Rider | | | | | |
| CIRS_098TI_DUMMY001_VIMS | 2008-356T21:59:52 | GMB_E097_Titan49+000T09:00:00 | 000T04:00:00 | 2008-357T01:59:52 | SPASS Rider | | | | | |
| CIRS_098TI_NIGHTNAC001_ISS | 2008-357T01:59:52 | GMB_E097_Titan49+000T13:00:00 | 000T00:30:00 | 2008-357T02:29:52 | SPASS Rider | | | | | |
| CIRS_098TI_MIDIRTMAP002_PRIME | 2008-357T02:29:52 | GMB_E097_Titan49+000T13:00:00 | 000T03:30:00 | 2008-357T05:59:52 | Prime | CIRS_098TI_MIDIRTMAP002_PRIME.jpg | CIRS_098TI_MIDIRTMAP002_PRIME.sasf | CIRS_098TI_MIDIRTMAP002_PRIME.sof | CIRS_098TI_MIDIRTMAP002_PRIME.prf | CIRS_098TI_MIDIRTMAP002_PRIME.ck |
| CIRS_098TI_MIDIRTMAP002_SI | 2008-357T02:29:52 | GMB_E097_Titan49+000T13:00:00 | 000T03:30:00 | 2008-357T05:59:52 | SPASS Rider | | | | | |
| CIRS_098TI_LRMONITOR001_ISS | 2008-357T05:59:52 | GMB_E097_Titan49+000T17:00:00 | 000T00:30:00 | 2008-357T06:29:52 | SPASS Rider | | | | | |
| CIRS_098TI_MR3CLD363_ISS | 2008-363T18:15:00 | E098_MR3CLD363+000T00:00:00 | 000T01:15:00 | 2008-363T19:30:00 | SPASS Rider | | | | | |
| CIRS_098TI_MR3CLD365_ISS | 2008-365T09:55:00 | E098_MR3CLD365+000T00:00:00 | 000T01:15:00 | 2008-365T11:10:00 | SPASS Rider | | | | | |
| CIRS_098TI_MR3CLD366_ISS | 2008-366T16:25:00 | E099_MR3CLD366+000T00:00:00 | 000T01:15:00 | 2008-366T17:40:00 | SPASS Rider | | | | | |
| CIRS_099TI_MR2CLD002_ISS | 2009-002T16:25:00 | E099_MR2CLD002+000T00:00:00 | 000T01:15:00 | 2009-002T17:40:00 | SPASS Rider | | | | | |
| CIRS_099TI_MR2HAZ006_ISS | 2009-006T16:11:00 | E099_MR2HAZ006+000T00:00:00 | 000T01:15:00 | 2009-006T17:26:00 | SPASS Rider | | | | | |
| CIRS_100TI_MR2CLD009_ISS | 2009-009T15:55:00 | | 000T01:15:00 | 2009-009T17:10:00 | SPASS Rider | | | | | |
| CIRS_100TI_MR2CLD016_ISS | 2009-016T07:50:00 | | 000T01:15:00 | 2009-016T09:05:00 | SPASS Rider | | | | | |
| CIRS_100TI_M30R2CLDF018_ISS | 2009-018T15:02:00 | E100_M30R2CLDF018+000T00:00:00 | 000T01:25:00 | 2009-018T16:27:00 | SPASS Rider | | | | | |
| CIRS_101TI_M150R2HZ025_ISS | 2009-025T07:28:00 | E101_M150R2HZ025+000T00:00:00 | 000T01:15:00 | 2009-025T08:43:00 | SPASS Rider | | | | | |
| CIRS_101TI_M60R3CLD028_ISS | 2009-028T17:00:00 | | 000T01:15:00 | 2009-028T18:15:00 | SPASS Rider | | | | | |
| CIRS_102TI_M30R3CLD030_ISS | 2009-030T06:58:00 | E102_M30R3CLD030+000T00:00:00 | 000T01:15:00 | 2009-030T08:13:00 | SPASS Rider | | | | | |
| CIRS_102TI_M30R3CLD031_ISS | 2009-031T10:23:00 | E102_M30R3CLD031+000T00:00:00 | 000T01:15:00 | 2009-031T11:38:00 | SPASS Rider | | | | | |
| CIRS_102TI_M90R1CLD033_ISS | 2009-033T13:00:00 | | 000T01:15:00 | 2009-033T14:15:00 | SPASS Rider | | | | | |
| CIRS_102TI_M90R1CLDF035_ISS | 2009-035T14:14:00 | E102_M90R1CLDF035+000T00:00:00 | 000T01:15:00 | 2009-035T15:29:00 | SPASS Rider | | | | | |
| CIRS_102TI_M90R1CLDF036_ISS | 2009-037T01:49:00 | E102_M90R1CLDF036+000T00:00:00 | 000T01:15:00 | 2009-037T03:04:00 | SPASS Rider | | | | | |
| CIRS_102TI_CLOUD001_VIMS | 2009-037T14:14:31 | GMB_E102_Titan50+000T18:36:20 | 000T05:36:20 | 2009-037T19:50:51 | SPASS Rider | | | | | |
| CIRS_102TI_FIRNADCM001_PRIME | 2009-037T19:50:51 | GMB_E102_Titan50+000T13:00:00 | 000T03:30:00 | 2009-037T22:20:51 | Prime | CIRS_102TI_FIRNADCM001_PRIME.jpg | CIRS_102TI_FIRNADCM001_PRIME.sasf | CIRS_102TI_FIRNADCM001_PRIME.sof | CIRS_102TI_FIRNADCM001_PRIME.prf | CIRS_102TI_FIRNADCM001_PRIME.ck |
| CIRS_102TI_FIRNADCM001_SI | 2009-037T19:50:51 | GMB_E102_Titan50+000T13:00:00 | 000T03:30:00 | 2009-037T23:20:51 | SPASS Rider | | | | | |
| CIRS_102TI_MIRLMBINT001_PRIME | 2009-037T23:20:51 | GMB_E102_Titan50+000T09:30:00 | 000T04:00:00 | 2009-038T03:20:51 | Prime | CIRS_102TI_MIRLMBINT001_PRIME.jpg | CIRS_102TI_MIRLMBINT001_PRIME.sasf | CIRS_102TI_MIRLMBINT001_PRIME.sof | CIRS_102TI_MIRLMBINT001_PRIME.prf | CIRS_102TI_MIRLMBINT001_PRIME.ck |
| CIRS_102TI_MIRLMBINT001_SI | 2009-037T23:20:51 | GMB_E102_Titan50+000T09:30:00 | 000T04:00:00 | 2009-038T03:20:51 | SPASS Rider | | | | | |
| CIRS_102TI_EUVFUV001_UVIS | 2009-038T14:50:51 | GMB_E102_Titan50+000T06:00:00 | 000T03:00:00 | 2009-038T17:50:51 | SPASS Rider | | | | | |
| CIRS_102TI_PHOTOMWAC001_ISS | 2009-038T17:50:51 | GMB_E102_Titan50+000T09:00:00 | 000T01:00:00 | 2009-038T18:50:51 | SPASS Rider | | | | | |
| CIRS_102TI_MIDIRTMAP002_PRIME | 2009-038T18:50:51 | GMB_E102_Titan50+000T10:00:00 | 000T03:00:00 | 2009-038T21:50:51 | Prime | CIRS_102TI_MIDIRTMAP002_PRIME.jpg | CIRS_102TI_MIDIRTMAP002_PRIME.sasf | CIRS_102TI_MIDIRTMAP002_PRIME.sof | CIRS_102TI_MIDIRTMAP002_PRIME.prf | CIRS_102TI_MIDIRTMAP002_PRIME.ck |
| CIRS_102TI_MIDIRTMAP002_SI | 2009-038T18:50:51 | GMB_E102_Titan50+000T10:00:00 | 000T03:00:00 | 2009-038T21:50:51 | SPASS Rider | | | | | |
| CIRS_102TI_NIGHTNAC001_ISS | 2009-038T21:50:51 | GMB_E102_Titan50+000T13:00:00 | 000T00:13:00 | 2009-038T22:03:51 | SPASS Rider | | | | | |
| CIRS_102TI_MIDIRTMAP003_PRIME | 2009-038T22:20:51 | GMB_E102_Titan50+000T13:00:00 | 000T04:30:00 | 2009-039T02:50:51 | Prime | CIRS_102TI_MIDIRTMAP003_PRIME.jpg | CIRS_102TI_MIDIRTMAP003_PRIME.sasf | CIRS_102TI_MIDIRTMAP003_PRIME.sof | CIRS_102TI_MIDIRTMAP003_PRIME.prf | CIRS_102TI_MIDIRTMAP003_PRIME.ck |
| CIRS_102TI_MIDIRTMAP003_SI | 2009-038T22:20:51 | GMB_E102_Titan50+000T13:00:00 | 000T04:30:00 | 2009-039T02:50:51 | SPASS Rider | | | | | |
| CIRS_103TI_COMPMAP001_PRIME | 2009-044T13:13:00 | | 000T08:17:00 | 2009-044T21:30:00 | Prime | CIRS_103TI_COMPMAP001_PRIME.jpg | CIRS_103TI_COMPMAP001_PRIME.sasf | CIRS_103TI_COMPMAP001_PRIME.sof | CIRS_103TI_COMPMAP001_PRIME.prf | CIRS_103TI_COMPMAP001_PRIME.ck |
| CIRS_103TI_CLOUD001_ISS | 2009-046T06:00:00 | | 000T09:15:00 | 2009-046T15:15:00 | SPASS Rider | | | | | |
| CIRS_103TI_M30R2CLDF049_ISS | 2009-049T13:15:00 | E103_M30R2CLDF049+000T00:00:00 | 000T01:15:00 | 2009-049T14:30:00 | SPASS Rider | | | | | |
| CIRS_104TI_M180R2HZ055_ISS | 2009-055T12:45:00 | E104_M180R2HZ055+000T00:00:00 | 000T01:15:00 | 2009-055T14:00:00 | SPASS Rider | | | | | |

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| CIRS_110TI_HIRES001_PRIME | 2009-125T22:44:16 | GMB_E110_Titan54-000T00:10:00 | 000T00:35:00 | 2009-125T23:19:16 | Prime | CIRS_110TI_HIRES001_PRIME.jpg | CIRS_110TI_HIRES001_PRIME.sasf | CIRS_110TI_HIRES001_PRIME.sof | CIRS_110TI_HIRES001_PRIME.prf | CIRS_110TI_HIRES001_PRIME.ck |
| CIRS_110TI_HIRESNA001_ISS | 2009-125T23:19:16 | GMB_E110_Titan54+000T00:25:00 | 000T01:35:00 | 2009-126T00:54:16 | SPASS Rider | | | | | |
| CIRS_110TI_EUVFUV001_UVIS | 2009-126T00:54:16 | GMB_E110_Titan54+000T02:00:00 | 000T07:00:00 | 2009-126T07:54:16 | SPASS Rider | | | | | |
| CIRS_110TI_FIRNADCMP001_PRIME | 2009-126T07:54:16 | GMB_E110_Titan54+000T09:00:00 | 000T05:00:00 | 2009-126T12:54:16 | Prime | CIRS_110TI_FIRNADCMP001_PRIME.jpg | CIRS_110TI_FIRNADCMP001_PRIME.sasf | CIRS_110TI_FIRNADCMP001_PRIME.sof | CIRS_110TI_FIRNADCMP001_PRIME.prf | CIRS_110TI_FIRNADCMP001_PRIME.ck |
| CIRS_110TI_FIRNADCMP001_SI | 2009-126T07:54:16 | GMB_E110_Titan54+000T09:00:00 | 000T05:00:00 | 2009-126T12:54:16 | SPASS Rider | | | | | |
| CIRS_110TI_GLOBMAP001_VIMS | 2009-126T12:54:16 | GMB_E110_Titan54+000T14:00:00 | 000T08:27:00 | 2009-126T21:21:16 | SPASS Rider | | | | | |
| CIRS_110TI_M60R1CLD128_ISS | 2009-128T07:41:00 | E110_M60R1CLD128+000T00:00:00 | 000T01:15:00 | 2009-128T08:56:00 | SPASS Rider | | | | | |
| CIRS_110TI_M60R2CLD129_ISS | 2009-129T07:41:00 | E110_M60R2CLD129+000T00:00:00 | 000T01:15:00 | 2009-129T08:56:00 | SPASS Rider | | | | | |
| CIRS_110TI_M60R2CLDF130_ISS | 2009-130T07:41:00 | E110_M60R2CLDF130+000T00:00:00 | 000T01:15:00 | 2009-130T08:56:00 | SPASS Rider | | | | | |
| CIRS_110TI_M90R1CLD133_ISS | 2009-133T07:25:00 | E110_M90R1CLD133+000T00:00:00 | 000T01:15:00 | 2009-133T08:40:00 | SPASS Rider | | | | | |
| CIRS_111TI_MIDIRTMAP001_PRIME | 2009-141T07:09:49 | GMB_E111_Titan55-000T14:16:52 | 000T01:16:52 | 2009-141T08:26:41 | Prime | CIRS_111TI_MIDIRTMAP001_PRIME.jpg | CIRS_111TI_MIDIRTMAP001_PRIME.sasf | CIRS_111TI_MIDIRTMAP001_PRIME.sof | CIRS_111TI_MIDIRTMAP001_PRIME.prf | CIRS_111TI_MIDIRTMAP001_PRIME.ck |
| CIRS_111TI_MIDIRTMAP001_SI | 2009-141T07:09:49 | GMB_E111_Titan55-000T14:16:52 | 000T01:16:52 | 2009-141T08:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_CLOUDMAP001_VIMS | 2009-141T08:26:41 | GMB_E111_Titan55-000T13:00:00 | 000T04:00:00 | 2009-141T12:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_EUVFUV001_UVIS | 2009-141T12:26:41 | GMB_E111_Titan55-000T09:00:00 | 000T06:30:00 | 2009-141T18:56:41 | SPASS Rider | | | | | |
| CIRS_111TI_FIRNADMAP002_PRIME | 2009-141T23:56:41 | GMB_E111_Titan55+000T02:30:00 | 000T02:30:00 | 2009-142T02:26:41 | Prime | CIRS_111TI_FIRNADMAP002_PRIME.jpg | CIRS_111TI_FIRNADMAP002_PRIME.sasf | CIRS_111TI_FIRNADMAP002_PRIME.sof | CIRS_111TI_FIRNADMAP002_PRIME.prf | CIRS_111TI_FIRNADMAP002_PRIME.ck |
| CIRS_111TI_FIRNADMAP002_SI | 2009-141T23:56:41 | GMB_E111_Titan55+000T02:30:00 | 000T02:30:00 | 2009-142T02:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_MIRLMPAIR002_PRIME | 2009-142T02:26:41 | GMB_E111_Titan55+000T05:00:00 | 000T04:00:00 | 2009-142T06:26:41 | Prime | CIRS_111TI_MIRLMPAIR002_PRIME.jpg | CIRS_111TI_MIRLMPAIR002_PRIME.sasf | CIRS_111TI_MIRLMPAIR002_PRIME.sof | CIRS_111TI_MIRLMPAIR002_PRIME.prf | CIRS_111TI_MIRLMPAIR002_PRIME.ck |
| CIRS_111TI_MIRLMPAIR002_SI | 2009-142T02:26:41 | GMB_E111_Titan55+000T05:00:00 | 000T04:00:00 | 2009-142T06:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_FIRNADCMP002_PRIME | 2009-142T06:26:41 | GMB_E111_Titan55+000T09:00:00 | 000T03:00:00 | 2009-142T09:26:41 | Prime | CIRS_111TI_FIRNADCMP002_PRIME.jpg | CIRS_111TI_FIRNADCMP002_PRIME.sasf | CIRS_111TI_FIRNADCMP002_PRIME.sof | CIRS_111TI_FIRNADCMP002_PRIME.prf | CIRS_111TI_FIRNADCMP002_PRIME.ck |
| CIRS_111TI_FIRNADCMP002_SI | 2009-142T06:26:41 | GMB_E111_Titan55+000T09:00:00 | 000T03:00:00 | 2009-142T09:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_MONITORA001_ISS | 2009-142T09:26:41 | GMB_E111_Titan55+000T12:00:00 | 000T02:00:00 | 2009-142T11:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_MIDIRTMAP002_PRIME | 2009-142T11:26:41 | GMB_E111_Titan55+000T14:00:00 | 000T08:00:00 | 2009-142T19:26:41 | Prime | CIRS_111TI_MIDIRTMAP002_PRIME.jpg | CIRS_111TI_MIDIRTMAP002_PRIME.sasf | CIRS_111TI_MIDIRTMAP002_PRIME.sof | CIRS_111TI_MIDIRTMAP002_PRIME.prf | CIRS_111TI_MIDIRTMAP002_PRIME.ck |
| CIRS_111TI_MIDIRTMAP002_SI | 2009-142T11:26:41 | GMB_E111_Titan55+000T14:00:00 | 000T08:00:00 | 2009-142T19:26:41 | SPASS Rider | | | | | |
| CIRS_111TI_M60R1CLD143_ISS | 2009-143T08:39:00 | E111_M60R1CLD143+000T00:00:00 | 000T01:15:00 | 2009-143T09:54:00 | SPASS Rider | | | | | |
| CIRS_111TI_M30R2CLDF145_ISS | 2009-145T06:39:00 | E111_M30R2CLDF145+000T00:00:00 | 000T01:15:00 | 2009-145T07:54:00 | SPASS Rider | | | | | |
| CIRS_111TI_M90R2CLD148_ISS | 2009-148T06:23:00 | E111_M90R2CLD148+000T00:00:00 | 000T01:15:00 | 2009-148T07:38:00 | SPASS Rider | | | | | |
| CIRS_112TI_FIRNADCMP001_PRIME | 2009-157T06:07:49 | GMB_E112_Titan56-000T13:52:12 | 000T03:52:12 | 2009-157T10:00:01 | Prime | CIRS_112TI_FIRNADCMP001_PRIME.jpg | CIRS_112TI_FIRNADCMP001_PRIME.sasf | CIRS_112TI_FIRNADCMP001_PRIME.sof | CIRS_112TI_FIRNADCMP001_PRIME.prf | CIRS_112TI_FIRNADCMP001_PRIME.ck |
| CIRS_112TI_FIRNADCMP001_SI | 2009-157T06:07:49 | GMB_E112_Titan56-000T13:52:12 | 000T03:52:12 | 2009-157T10:00:01 | SPASS Rider | | | | | |
| CIRS_112TI_PHOTOMWAC001_ISS | 2009-157T10:00:01 | GMB_E112_Titan56-000T10:00:00 | 000T01:00:00 | 2009-157T11:00:01 | SPASS Rider | | | | | |
| CIRS_112TI_MEDRESDRK001_VIMS | 2009-157T11:00:01 | GMB_E112_Titan56-000T09:00:00 | 000T03:50:00 | 2009-157T14:50:01 | SPASS Rider | | | | | |
| CIRS_112TI_STOC003_UVIS | 2009-157T20:32:01 | GMB_E112_Titan56+000T00:32:00 | 000T01:09:00 | 2009-157T21:41:01 | SPASS Rider | | | | | |
| CIRS_112TI_EUVFUV001_UVIS | 2009-157T21:41:01 | GMB_E112_Titan56+000T01:41:00 | 000T07:19:00 | 2009-158T05:00:01 | SPASS Rider | | | | | |
| CIRS_112TI_FIRNADCP002_PRIME | 2009-158T05:00:01 | GMB_E112_Titan56+000T09:00:00 | 000T05:00:00 | 2009-158T10:00:01 | Prime | CIRS_112TI_FIRNADCP002_PRIME.jpg | CIRS_112TI_FIRNADCP002_PRIME.sasf | CIRS_112TI_FIRNADCP002_PRIME.sof | CIRS_112TI_FIRNADCP002_PRIME.prf | CIRS_112TI_FIRNADCP002_PRIME.ck |
| CIRS_112TI_FIRNADCP002_SI | 2009-158T05:00:01 | GMB_E112_Titan56+000T09:00:00 | 000T05:00:00 | 2009-158T10:00:01 | SPASS Rider | | | | | |
| CIRS_112TI_GLOBMAP001_VIMS | 2009-158T10:00:01 | GMB_E112_Titan56+000T14:00:00 | 000T09:02:48 | 2009-158T19:24:49 | SPASS Rider | | | | | |
| CIRS_112TI_M30R1CLD160_ISS | 2009-160T05:30:00 | E112_M30R1CLD160+000T00:00:00 | 000T01:15:00 | 2009-160T06:45:00 | SPASS Rider | | | | | |
| CIRS_112TI_M90R3CLD164_ISS | 2009-164T05:27:00 | E112_M90R3CLD164+000T00:00:00 | 000T01:15:00 | 2009-164T06:42:00 | SPASS Rider | | | | | |
| CIRS_113TI_M150R2HZ170_ISS | 2009-170T21:20:00 | E113_M150R2HZ170+000T00:00:00 | 000T01:15:00 | 2009-170T22:35:00 | SPASS Rider | | | | | |
| CIRS_113TI_FIRNADCP001_PRIME | 2009-173T05:05:48 | GMB_E113_Titan57-000T13:26:47 | 000T03:26:47 | 2009-173T08:32:35 | Prime | CIRS_113TI_FIRNADCP001_PRIME.jpg | CIRS_113TI_FIRNADCP001_PRIME.sasf | CIRS_113TI_FIRNADCP001_PRIME.sof | CIRS_113TI_FIRNADCP001_PRIME.prf | CIRS_113TI_FIRNADCP001_PRIME.ck |
| CIRS_113TI_FIRNADCP001_SI | 2009-173T05:05:48 | GMB_E113_Titan57-000T13:26:47 | 000T03:26:47 | 2009-173T08:32:35 | SPASS Rider | | | | | |
| CIRS_113TI_NIGHTNAC001_ISS | 2009-173T08:32:35 | GMB_E113_Titan57-000T10:00:00 | 000T01:00:00 | 2009-173T09:32:35 | SPASS Rider | | | | | |
| CIRS_113TI_EUVFUV001_UVIS | 2009-173T09:32:35 | GMB_E113_Titan57-000T09:00:00 | 000T06:45:00 | 2009-173T16:17:35 | SPASS Rider | | | | | |
| CIRS_113TI_FIRLMBINT001_PRIME | 2009-173T16:17:35 | GMB_E113_Titan57-000T02:15:00 | 000T01:05:00 | 2009-173T17:22:35 | Prime | CIRS_113TI_FIRLMBINT001_PRIME.jpg | CIRS_113TI_FIRLMBINT001_PRIME.sasf | CIRS_113TI_FIRLMBINT001_PRIME.sof | CIRS_113TI_FIRLMBINT001_PRIME.prf | CIRS_113TI_FIRLMBINT001_PRIME.ck |
| CIRS_113TI_FIRLMBINT001_SI | 2009-173T16:17:35 | GMB_E113_Titan57-000T02:15:00 | 000T01:05:00 | 2009-173T17:22:35 | SPASS Rider | | | | | |
| CIRS_113TI_OCC001_RSS | 2009-173T17:22:35 | GMB_E113_Titan57-000T01:10:00 | 000T00:49:12 | 2009-173T18:11:47 | SPASS Rider | | | | | |

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| CIRS_116TI_FIRNADCMP001_PRIME | 2009-221T02:01:49 | GMB_E116_Titan60+000T12:02:04 | 000T02:02:04 | 2009-221T04:03:53 | Prime | CIRS_116TI_FIRNADCMP001_PRIME.jpg | CIRS_116TI_FIRNADCMP001_PRIME.saf | CIRS_116TI_FIRNADCMP001_PRIME.sof | CIRS_116TI_FIRNADCMP001_PRIME.pef | CIRS_116TI_FIRNADCMP001_PRIME.ck |
| CIRS_116TI_FIRNADCMP001_SI | 2009-221T02:01:49 | GMB_E116_Titan60+000T12:02:04 | 000T02:02:04 | 2009-221T04:03:53 | SPASS Rider | | | | | |
| CIRS_116TI_PHOTOMWAC001_ISS | 2009-221T04:03:53 | GMB_E116_Titan60+000T10:00:00 | 000T01:00:00 | 2009-221T05:03:53 | SPASS Rider | | | | | |
| CIRS_116TI_EUUVFUV001_UVIS | 2009-221T05:03:53 | GMB_E116_Titan60+000T09:00:00 | 000T03:50:00 | 2009-221T08:53:53 | SPASS Rider | | | | | |
| CIRS_116TI_TRANS001_ENGR | 2009-221T14:29:53 | GMB_E116_Titan60+000T00:26:00 | 000T00:22:00 | 2009-221T14:51:53 | SPASS Rider | | | | | |
| CIRS_116TI_REGMAP001_ISS | 2009-221T14:51:53 | GMB_E116_Titan60+000T00:48:00 | 000T01:19:56 | 2009-221T16:11:49 | SPASS Rider | | | | | |
| CIRS_116TI_M90R3CLD225_ISS | 2009-225T01:00:00 | E116_M90R3CLD225+000T00:00:00 | 000T01:15:00 | 2009-225T02:15:00 | SPASS Rider | | | | | |
| CIRS_116TI_M90R3CLD226_ISS | 2009-226T01:20:00 | E116_M90R3CLD226+000T00:00:00 | 000T01:15:00 | 2009-226T02:35:00 | SPASS Rider | | | | | |
| CIRS_117TI_M180R2HZ234_ISS | 2009-234T07:15:00 | E117_M180R2HZ234+000T00:00:00 | 000T01:15:00 | 2009-234T08:30:00 | SPASS Rider | | | | | |
| CIRS_117TI_NIGHTWAC001_ISS | 2009-237T01:00:38 | GMB_E117_Titan61+000T11:51:00 | 000T02:51:00 | 2009-237T03:51:38 | SPASS Rider | | | | | |
| CIRS_117TI_MIRLMBINT001_PRIME | 2009-237T03:51:38 | GMB_E117_Titan61+000T09:00:00 | 000T03:50:00 | 2009-237T07:41:38 | Prime | CIRS_117TI_MIRLMBINT001_PRIME.jpg | CIRS_117TI_MIRLMBINT001_PRIME.saf | CIRS_117TI_MIRLMBINT001_PRIME.sof | CIRS_117TI_MIRLMBINT001_PRIME.pef | CIRS_117TI_MIRLMBINT001_PRIME.ck |
| CIRS_117TI_MIRLMBINT001_SI | 2009-237T03:51:38 | GMB_E117_Titan61+000T09:00:00 | 000T03:50:00 | 2009-237T07:41:38 | SPASS Rider | | | | | |
| CIRS_117TI_REGMAP001_VIMS | 2009-237T07:41:38 | GMB_E117_Titan61+000T05:10:00 | 000T02:50:00 | 2009-237T10:31:38 | SPASS Rider | | | | | |
| CIRS_117TI_ENGR001_ENGR | 2009-237T13:14:38 | GMB_E117_Titan61+000T00:23:00 | 000T00:21:05 | 2009-237T13:35:43 | SPASS Rider | | | | | |
| CIRS_117TI_HIRES001_VIMS | 2009-237T13:35:43 | GMB_E117_Titan61+000T00:44:05 | 000T07:45:55 | 2009-237T21:21:38 | SPASS Rider | | | | | |
| CIRS_117TI_PHOTOMWAC001_ISS | 2009-237T21:21:38 | GMB_E117_Titan61+000T08:30:00 | 000T00:30:00 | 2009-237T21:51:38 | SPASS Rider | | | | | |
| CIRS_117TI_GLOBMAP001_VIMS | 2009-237T21:51:38 | GMB_E117_Titan61+000T09:00:00 | 000T05:00:00 | 2009-238T02:51:38 | SPASS Rider | | | | | |
| CIRS_117TI_GLOBMAP002_VIMS | 2009-238T02:51:38 | GMB_E117_Titan61+000T14:00:00 | 000T11:00:00 | 2009-238T13:51:38 | SPASS Rider | | | | | |
| CIRS_117TI_M90R3CLD241_ISS | 2009-241T16:40:00 | E117_M90R3CLD241+000T00:00:00 | 000T01:15:00 | 2009-241T17:55:00 | SPASS Rider | | | | | |
| CIRS_117TI_M90R3CLD243_ISS | 2009-243T16:35:00 | E117_M90R3CLD243+000T00:00:00 | 000T01:15:00 | 2009-243T17:50:00 | SPASS Rider | | | | | |
| CIRS_117TI_M120R2HZ250_ISS | 2009-250T05:50:00 | E117_M120R2HZ250+000T00:00:00 | 000T01:15:00 | 2009-250T07:05:00 | SPASS Rider | | | | | |
| CIRS_118TI_M90R2CLD253_ISS | 2009-253T05:50:00 | E118_M90R2CLD253+000T00:00:00 | 000T01:15:00 | 2009-253T07:05:00 | SPASS Rider | | | | | |
| CIRS_118TI_M90R3CLD254_ISS | 2009-254T23:25:00 | E118_M90R3CLD254+000T00:00:00 | 000T01:15:00 | 2009-255T00:40:00 | SPASS Rider | | | | | |
| CIRS_118TI_M90R3CLD255_ISS | 2009-255T23:25:00 | E118_M90R3CLD255+000T00:00:00 | 000T01:15:00 | 2009-256T00:40:00 | SPASS Rider | | | | | |
| CIRS_118TI_M60R1CLD266_ISS | 2009-266T22:40:00 | | 000T01:15:00 | 2009-266T23:55:00 | SPASS Rider | | | | | |
| CIRS_119TI_M180R2HZ282_ISS | 2009-282T14:44:00 | E119_M180R2HZ282+000T00:00:00 | 000T01:15:00 | 2009-282T15:59:00 | SPASS Rider | | | | | |
| CIRS_119TI_MIDIRTMAP001_PRIME | 2009-284T14:45:21 | GMB_E119_Titan62+000T17:51:04 | 000T04:51:04 | 2009-284T19:36:25 | Prime | CIRS_119TI_MIDIRTMAP001_PRIME.jpg | CIRS_119TI_MIDIRTMAP001_PRIME.saf | CIRS_119TI_MIDIRTMAP001_PRIME.sof | CIRS_119TI_MIDIRTMAP001_PRIME.pef | CIRS_119TI_MIDIRTMAP001_PRIME.ck |
| CIRS_119TI_FIRNADCP001_PRIME | 2009-284T19:36:25 | GMB_E119_Titan62+000T13:00:00 | 000T04:00:00 | 2009-284T23:36:25 | Prime | CIRS_119TI_FIRNADCP001_PRIME.jpg | CIRS_119TI_FIRNADCP001_PRIME.saf | CIRS_119TI_FIRNADCP001_PRIME.sof | CIRS_119TI_FIRNADCP001_PRIME.pef | CIRS_119TI_FIRNADCP001_PRIME.ck |
| CIRS_119TI_EUUVFUV001_UVIS | 2009-284T23:36:25 | GMB_E119_Titan62+000T09:00:00 | 000T06:51:00 | 2009-285T06:27:25 | SPASS Rider | | | | | |
| CIRS_119TI_USUNOCC001_UVIS | 2009-285T06:48:16 | GMB_E119_Titan62+000T01:48:09 | 000T05:57:09 | 2009-285T07:45:25 | SPASS Rider | | | | | |
| CIRS_119TI_FIRLMBT001_PRIME | 2009-285T07:45:25 | GMB_E119_Titan62+000T00:51:00 | 000T00:30:00 | 2009-285T09:15:25 | Prime | CIRS_119TI_FIRLMBT001_PRIME.jpg | CIRS_119TI_FIRLMBT001_PRIME.saf | CIRS_119TI_FIRLMBT001_PRIME.sof | CIRS_119TI_FIRLMBT001_PRIME.pef | CIRS_119TI_FIRLMBT001_PRIME.ck |
| CIRS_119TI_FIRLMBT002_SI | 2009-285T08:15:25 | GMB_E119_Titan62+000T02:11:00 | 000T00:46:00 | 2009-285T09:01:25 | SPASS Rider | | | | | |
| CIRS_119TI_USUNOCC002_UVIS | 2009-285T09:01:25 | GMB_E119_Titan62+000T00:25:00 | 000T00:50:00 | 2009-285T09:51:25 | Prime | CIRS_119TI_FIRLMBT002_PRIME.jpg | CIRS_119TI_FIRLMBT002_PRIME.saf | CIRS_119TI_FIRLMBT002_PRIME.sof | CIRS_119TI_FIRLMBT002_PRIME.pef | CIRS_119TI_FIRLMBT002_PRIME.ck |
| CIRS_119TI_FIRLMBT002_PRIME | 2009-285T09:01:25 | GMB_E119_Titan62+000T00:25:00 | 000T00:50:00 | 2009-285T09:51:25 | SPASS Rider | | | | | |
| CIRS_119TI_FIRLMBT002_SI | 2009-285T09:01:25 | GMB_E119_Titan62+000T00:25:00 | 000T00:50:00 | 2009-285T09:51:25 | SPASS Rider | | | | | |
| CIRS_119TI_FIRLMBT002_PRIME | 2009-285T09:51:25 | GMB_E119_Titan62+000T01:15:00 | 000T01:00:00 | 2009-285T10:51:25 | Prime | CIRS_119TI_FIRLMBT002_PRIME.jpg | CIRS_119TI_FIRLMBT002_PRIME.saf | CIRS_119TI_FIRLMBT002_PRIME.sof | CIRS_119TI_FIRLMBT002_PRIME.pef | CIRS_119TI_FIRLMBT002_PRIME.ck |
| CIRS_119TI_FIRLMBT002_SI | 2009-285T09:51:25 | GMB_E119_Titan62+000T01:15:00 | 000T01:00:00 | 2009-285T10:51:25 | SPASS Rider | | | | | |
| CIRS_119TI_EUUVFUV002_UVIS | 2009-285T11:12:30 | GMB_E119_Titan62+000T02:36:05 | 000T06:23:55 | 2009-285T17:36:25 | SPASS Rider | | | | | |
| CIRS_119TI_FIRNADCP002_PRIME | 2009-285T17:36:25 | GMB_E119_Titan62+000T09:00:00 | 000T03:00:00 | 2009-285T20:36:25 | Prime | CIRS_119TI_FIRNADCP002_PRIME.jpg | CIRS_119TI_FIRNADCP002_PRIME.saf | CIRS_119TI_FIRNADCP002_PRIME.sof | CIRS_119TI_FIRNADCP002_PRIME.pef | CIRS_119TI_FIRNADCP002_PRIME.ck |
| CIRS_119TI_MONITORNA001_ISS | 2009-285T20:36:25 | GMB_E119_Titan62+000T12:00:00 | 000T02:00:00 | 2009-285T22:36:25 | SPASS Rider | | | | | |
| CIRS_119TI_M90R3CLD289_ISS | 2009-289T14:52:00 | | 000T01:15:00 | 2009-289T16:07:00 | SPASS Rider | | | | | |
| CIRS_119TI_M90R3CLD290_ISS | 2009-290T03:59:00 | E119_M90R3CLD290+000T00:00:00 | 000T01:15:00 | 2009-290T05:14:00 | SPASS Rider | | | | | |
| CIRS_120TI_M150R2HZ299_ISS | 2009-299T13:44:00 | E120_M150R2HZ299+000T00:00:00 | 000T01:15:00 | 2009-299T14:59:00 | SPASS Rider | | | | | |
| CIRS_120TI_M90R2CLD303_ISS | 2009-303T03:15:00 | E120_M90R2CLD303+000T00:00:00 | 000T01:15:00 | 2009-303T04:30:00 | SPASS Rider | | | | | |
| CIRS_120TI_M90R2CLD304_ISS | 2009-304T03:15:00 | E120_M90R2CLD304+000T00:00:00 | 000T01:15:00 | 2009-304T04:30:00 | SPASS Rider | | | | | |
| CIRS_120TI_M90R3CLD307_ISS | 2009-307T13:15:00 | E120_M90R3CLD307+000T00:00:00 | 000T01:15:00 | 2009-307T14:30:00 | SPASS Rider | | | | | |

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| CIRS_132TI_MIRLMBMAP001_PRIME | 2010-155T17:08:27 | GMB_E132_Titan69+000T09:18:00 | 000T04:18:00 | 2010-155T21:26:27 | Prime | CIRS_132TI_MIRLMBMAP001_PRIME.jpg | CIRS_132TI_MIRLMBMAP001_PRIME.sasf | CIRS_132TI_MIRLMBMAP001_PRIME.sof | CIRS_132TI_MIRLMBMAP001_PRIME.prf | CIRS_132TI_MIRLMBMAP001_PRIME.ck |
| CIRS_132TI_REGMAP001_VIMS | 2010-156T02:11:27 | GMB_E132_Titan69+000T00:15:00 | 000T02:15:00 | 2010-156T04:26:27 | SPASS Rider | | | | | |
| CIRS_132TI_EUVFUV001_UVIS | 2010-156T04:26:27 | GMB_E132_Titan69+000T02:00:00 | 000T07:00:00 | 2010-156T11:26:27 | SPASS Rider | | | | | |
| CIRS_132TI_FIRNADCMP002_PRIME | 2010-156T11:26:27 | GMB_E132_Titan69+000T09:00:00 | 000T03:00:00 | 2010-156T14:26:27 | Prime | CIRS_132TI_FIRNADCMP002_PRIME.jpg | CIRS_132TI_FIRNADCMP002_PRIME.sasf | CIRS_132TI_FIRNADCMP002_PRIME.sof | CIRS_132TI_FIRNADCMP002_PRIME.prf | CIRS_132TI_FIRNADCMP002_PRIME.ck |
| CIRS_132TI_MONITORNA001_ISS | 2010-156T14:26:27 | GMB_E132_Titan69+000T12:00:00 | 000T02:00:00 | 2010-156T16:26:27 | SPASS Rider | | | | | |
| CIRS_132TI_GLOBMAP002_VIMS | 2010-156T16:26:27 | GMB_E132_Titan69+000T14:00:00 | 000T02:06:35 | 2010-156T18:33:02 | SPASS Rider | | | | | |
| CIRS_132TI_M60R1CLD158_ISS | 2010-158T07:28:00 | | 000T02:30:00 | 2010-158T09:58:00 | SPASS Rider | | | | | |
| CIRS_132TI_M60R3CLD161_ISS | 2010-161T06:22:00 | E132_M60R3CLD161+000T00:00:00 | 000T01:15:00 | 2010-161T07:37:00 | SPASS Rider | | | | | |
| CIRS_133TI_M90R3CLD164_ISS | 2010-164T12:22:00 | E133_M90R3CLD164+000T00:00:00 | 000T01:15:00 | 2010-164T13:37:00 | SPASS Rider | | | | | |
| CIRS_133TI_FIRNADCMP001_PRIME | 2010-171T12:06:26 | GMB_E133_Titan70+000T13:21:17 | 000T03:21:17 | 2010-171T15:27:43 | Prime | CIRS_133TI_FIRNADCMP001_PRIME.jpg | CIRS_133TI_FIRNADCMP001_PRIME.sasf | CIRS_133TI_FIRNADCMP001_PRIME.sof | CIRS_133TI_FIRNADCMP001_PRIME.prf | CIRS_133TI_FIRNADCMP001_PRIME.ck |
| CIRS_133TI_PHOTOMWAC001_ISS | 2010-171T15:27:43 | GMB_E133_Titan70+000T10:00:00 | 000T01:00:00 | 2010-171T16:27:43 | SPASS Rider | | | | | |
| CIRS_133TI_MIRLMBMAP001_PRIME | 2010-171T16:27:43 | GMB_E133_Titan70+000T09:00:00 | 000T04:00:00 | 2010-171T20:27:43 | Prime | CIRS_133TI_MIRLMBMAP001_PRIME.jpg | CIRS_133TI_MIRLMBMAP001_PRIME.sasf | CIRS_133TI_MIRLMBMAP001_PRIME.sof | CIRS_133TI_MIRLMBMAP001_PRIME.prf | CIRS_133TI_MIRLMBMAP001_PRIME.ck |
| CIRS_133TI_FIRNADMAP001_PRIME | 2010-171T20:27:43 | GMB_E133_Titan70+000T05:00:00 | 000T02:45:00 | 2010-171T23:12:43 | Prime | CIRS_133TI_FIRNADMAP001_PRIME.jpg | CIRS_133TI_FIRNADMAP001_PRIME.sasf | CIRS_133TI_FIRNADMAP001_PRIME.sof | CIRS_133TI_FIRNADMAP001_PRIME.prf | CIRS_133TI_FIRNADMAP001_PRIME.ck |
| CIRS_133TI_FIRLMBINT001_PRIME | 2010-171T23:12:43 | GMB_E133_Titan70+000T02:15:00 | 000T01:02:00 | 2010-172T02:14:43 | Prime | CIRS_133TI_FIRLMBINT001_PRIME.jpg | CIRS_133TI_FIRLMBINT001_PRIME.sasf | CIRS_133TI_FIRLMBINT001_PRIME.sof | CIRS_133TI_FIRLMBINT001_PRIME.prf | CIRS_133TI_FIRLMBINT001_PRIME.ck |
| CIRS_133TI_T70INPTG001_CAPS | 2010-172T00:14:43 | GMB_E133_Titan70+000T01:13:00 | 000T00:44:00 | 2010-172T00:58:43 | SPASS Rider | | | | | |
| CIRS_133TI_T70CA001_ENGR | 2010-172T00:58:43 | GMB_E133_Titan70+000T00:29:00 | 000T00:56:00 | 2010-172T01:54:43 | SPASS Rider | | | | | |
| CIRS_133TI_ALPVIRT001_UVIS | 2010-172T01:54:43 | GMB_E133_Titan70+000T00:27:00 | 000T00:40:00 | 2010-172T02:34:43 | SPASS Rider | | | | | |
| CIRS_133TI_REGMAP001_VIMS | 2010-172T02:34:43 | GMB_E133_Titan70+000T01:07:00 | 000T00:53:00 | 2010-172T03:27:43 | SPASS Rider | | | | | |
| CIRS_133TI_REGMAP002_VIMS | 2010-172T03:27:43 | GMB_E133_Titan70+000T02:00:00 | 000T03:00:00 | 2010-172T06:27:43 | SPASS Rider | | | | | |
| CIRS_133TI_MEDRES002_VIMS | 2010-172T06:27:43 | GMB_E133_Titan70+000T05:00:00 | 000T03:30:00 | 2010-172T09:57:43 | SPASS Rider | | | | | |
| CIRS_133TI RIDER002_ISS | 2010-172T09:57:43 | GMB_E133_Titan70+000T08:30:00 | 000T00:30:00 | 2010-172T10:27:43 | SPASS Rider | | | | | |
| CIRS_133TI RIDER003_ISS | 2010-172T10:27:43 | GMB_E133_Titan70+000T09:00:00 | 000T05:00:00 | 2010-172T15:27:43 | SPASS Rider | | | | | |
| CIRS_133TI_M60R1CLD174_ISS | 2010-174T14:00:00 | E133_M60R1CLD174+000T00:00:00 | 000T01:15:00 | 2010-174T15:15:00 | SPASS Rider | | | | | |
| CIRS_133TI_M60R2CLD175_ISS | 2010-175T10:56:00 | E133_M60R2CLD175+000T00:00:00 | 000T01:15:00 | 2010-175T12:11:00 | SPASS Rider | | | | | |
| CIRS_133TI_M60R3CLD176_ISS | 2010-176T21:50:00 | E133_M60R3CLD176+000T00:00:00 | 000T01:30:00 | 2010-176T23:20:00 | SPASS Rider | | | | | |
| CIRS_134TI_M90R3CLD179_ISS | 2010-179T21:35:00 | E134_M90R3CLD179+000T00:00:00 | 000T01:30:00 | 2010-179T23:05:00 | SPASS Rider | | | | | |
| CIRS_134TI_FIRNADCMP001_PRIME | 2010-187T11:07:45 | GMB_E134_Titan71+000T13:15:00 | 000T04:15:00 | 2010-187T15:22:45 | Prime | CIRS_134TI_FIRNADCMP001_PRIME.jpg | CIRS_134TI_FIRNADCMP001_PRIME.sasf | CIRS_134TI_FIRNADCMP001_PRIME.sof | CIRS_134TI_FIRNADCMP001_PRIME.prf | CIRS_134TI_FIRNADCMP001_PRIME.ck |
| CIRS_134TI_MIRLMBINT001_PRIME | 2010-187T15:22:45 | GMB_E134_Titan71+000T09:00:00 | 000T03:00:00 | 2010-187T18:22:45 | Prime | CIRS_134TI_MIRLMBINT001_PRIME.jpg | CIRS_134TI_MIRLMBINT001_PRIME.sasf | CIRS_134TI_MIRLMBINT001_PRIME.sof | CIRS_134TI_MIRLMBINT001_PRIME.prf | CIRS_134TI_MIRLMBINT001_PRIME.ck |
| CIRS_134TI_REGMAP001_VIMS | 2010-188T06:22:45 | GMB_E134_Titan71+000T06:00:00 | 000T03:00:00 | 2010-188T09:22:45 | SPASS Rider | | | | | |
| CIRS_134TI_GLOBMAP001_VIMS | 2010-188T09:22:45 | GMB_E134_Titan71+000T09:00:00 | 000T05:00:00 | 2010-188T14:22:45 | SPASS Rider | | | | | |
| CIRS_134TI_GLOBMAP002_VIMS | 2010-188T14:22:45 | GMB_E134_Titan71+000T14:00:00 | 000T03:35:00 | 2010-188T17:57:45 | SPASS Rider | | | | | |
| CIRS_134TI_COMPMAP001_PRIME | 2010-189T12:49:00 | | 000T10:10:00 | 2010-189T22:59:00 | Prime | CIRS_134TI_COMPMAP001_PRIME.jpg | CIRS_134TI_COMPMAP001_PRIME.sasf | CIRS_134TI_COMPMAP001_PRIME.sof | CIRS_134TI_COMPMAP001_PRIME.prf | CIRS_134TI_COMPMAP001_PRIME.ck |
| CIRS_134TI_M60R2CLD190_ISS | 2010-190T10:49:00 | E134_M60R2CLD190+000T00:00:00 | 000T01:30:00 | 2010-190T12:19:00 | SPASS Rider | | | | | |
| CIRS_135TI_M90R3CLD196_ISS | 2010-196T21:33:00 | E135_M90R3CLD196+000T00:00:00 | 000T01:30:00 | 2010-196T23:03:00 | SPASS Rider | | | | | |
| CIRS_135TI_M30R2CLD203_ISS | 2010-203T05:32:00 | E135_M30R2CLD203+000T00:00:00 | 000T01:30:00 | 2010-203T07:02:00 | SPASS Rider | | | | | |
| CIRS_135TI_M60R3CLD209_ISS | 2010-209T18:51:00 | E135_M60R3CLD209+000T00:00:00 | 000T01:30:00 | 2010-209T20:21:00 | SPASS Rider | | | | | |
| CIRS_135TI_M90R3CLD211_ISS | 2010-211T19:37:00 | E135_M90R3CLD211+000T00:00:00 | 000T01:30:00 | 2010-211T21:07:00 | SPASS Rider | | | | | |
| CIRS_136TI_M150R2HZ219_ISS | 2010-219T19:00:00 | E136_M150R2HZ219+000T00:00:00 | 000T01:30:00 | 2010-219T20:30:00 | SPASS Rider | | | | | |
| CIRS_136TI_M150R2HZ220_ISS | 2010-220T19:00:00 | E136_M150R2HZ220+000T00:00:00 | 000T01:30:00 | 2010-220T20:30:00 | SPASS Rider | | | | | |
| CIRS_136TI_M60R1CLD224_ISS | 2010-224T02:15:00 | E136_M60R1CLD224+000T00:00:00 | 000T02:00:00 | 2010-224T04:15:00 | SPASS Rider | | | | | |
| CIRS_136TI_M30R1CLD225_ISS | 2010-225T08:29:00 | E136_M30R1CLD225+000T00:00:00 | 000T02:00:00 | 2010-225T10:29:00 | SPASS Rider | | | | | |
| CIRS_136TI_M90R3CLD229_ISS | 2010-229T08:00:00 | E136_M90R3CLD229+000T00:00:00 | 000T01:30:00 | 2010-229T09:30:00 | SPASS Rider | | | | | |
| CIRS_137TI_M90R2CLD240_ISS | 2010-240T07:40:00 | E137_M90R2CLD240+000T00:00:00 | 000T01:30:00 | 2010-240T09:10:00 | SPASS Rider | | | | | |
| CIRS_137TI_M120R2HZ250_ISS | 2010-251T19:08:00 | E137_M120R2HZ250+000T00:00:00 | 000T01:30:00 | 2010-251T20:38:00 | SPASS Rider | | | | | |
| CIRS_137TI_M90R2CLD254_ISS | 2010-253T18:13:00 | E137_M90R2CLD254+000T00:00:00 | 000T01:30:00 | 2010-253T19:43:00 | SPASS Rider | | | | | |

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|--------------------------------|-------------------|---------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_161TI_MIDIRTMAP001_PRIME | 2012-049T15:54:00 | GMB_E161_TITAN_T82-000T16:49:17 | 000T04:49:17 | 2012-049T20:43:17 | Prime | CIRS_161TI_MIDIRTMAP001_PRIME.jpg | CIRS_161TI_MIDIRTMAP001_PRIME.sasf | CIRS_161TI_MIDIRTMAP001_PRIME.sof | CIRS_161TI_MIDIRTMAP001_PRIME.prf | CIRS_161TI_MIDIRTMAP001_PRIME.psf | CIRS_161TI_MIDIRTMAP001_PRIME.ck |
| CIRS_161TI_FIRNADCMP001_PRIME | 2012-049T20:43:17 | GMB_E161_TITAN_T82-000T12:00:00 | 000T02:00:00 | 2012-049T22:43:17 | Prime | CIRS_161TI_FIRNADCMP001_PRIME.jpg | CIRS_161TI_FIRNADCMP001_PRIME.sasf | CIRS_161TI_FIRNADCMP001_PRIME.sof | CIRS_161TI_FIRNADCMP001_PRIME.prf | CIRS_161TI_FIRNADCMP001_PRIME.psf | CIRS_161TI_FIRNADCMP001_PRIME.ck |
| CIRS_161TI_CLOUDMAP001_ISS | 2012-049T22:43:17 | GMB_E161_TITAN_T82-000T10:00:00 | 000T01:00:00 | 2012-049T23:43:17 | SPASS Rider | | | | | | |
| CIRS_161TI_MIRLMBINT001_PRIME | 2012-049T23:43:17 | GMB_E161_TITAN_T82-000T09:00:00 | 000T04:00:00 | 2012-050T03:43:17 | Prime | CIRS_161TI_MIRLMBINT001_PRIME.jpg | CIRS_161TI_MIRLMBINT001_PRIME.sasf | CIRS_161TI_MIRLMBINT001_PRIME.sof | CIRS_161TI_MIRLMBINT001_PRIME.prf | CIRS_161TI_MIRLMBINT001_PRIME.psf | CIRS_161TI_MIRLMBINT001_PRIME.ck |
| CIRS_161TI_FIRNADMAP001_PRIME | 2012-050T03:43:17 | GMB_E161_TITAN_T82-000T05:00:00 | 000T02:45:00 | 2012-050T06:28:17 | Prime | CIRS_161TI_FIRNADMAP001_PRIME.jpg | CIRS_161TI_FIRNADMAP001_PRIME.sasf | CIRS_161TI_FIRNADMAP001_PRIME.sof | CIRS_161TI_FIRNADMAP001_PRIME.prf | CIRS_161TI_FIRNADMAP001_PRIME.psf | CIRS_161TI_FIRNADMAP001_PRIME.ck |
| CIRS_161TI_FIRLMBINT001_PRIME | 2012-050T06:28:17 | GMB_E161_TITAN_T82-000T02:15:00 | 000T01:00:00 | 2012-050T07:28:17 | Prime | CIRS_161TI_FIRLMBINT001_PRIME.jpg | CIRS_161TI_FIRLMBINT001_PRIME.sasf | CIRS_161TI_FIRLMBINT001_PRIME.sof | CIRS_161TI_FIRLMBINT001_PRIME.prf | CIRS_161TI_FIRLMBINT001_PRIME.psf | CIRS_161TI_FIRLMBINT001_PRIME.ck |
| CIRS_161TI_FIRLMBBAER001_PRIME | 2012-050T07:28:17 | GMB_E161_TITAN_T82-000T01:15:00 | 000T00:30:00 | 2012-050T08:58:17 | Prime | CIRS_161TI_FIRLMBBAER001_PRIME.jpg | CIRS_161TI_FIRLMBBAER001_PRIME.sasf | CIRS_161TI_FIRLMBBAER001_PRIME.sof | CIRS_161TI_FIRLMBBAER001_PRIME.prf | CIRS_161TI_FIRLMBBAER001_PRIME.psf | CIRS_161TI_FIRLMBBAER001_PRIME.ck |
| CIRS_161TI_FIRLMBT001_PRIME | 2012-050T07:58:17 | GMB_E161_TITAN_T82-000T00:45:00 | 000T00:45:00 | 2012-050T08:43:17 | Prime | CIRS_161TI_FIRLMBT001_PRIME.jpg | CIRS_161TI_FIRLMBT001_PRIME.sasf | CIRS_161TI_FIRLMBT001_PRIME.sof | CIRS_161TI_FIRLMBT001_PRIME.prf | CIRS_161TI_FIRLMBT001_PRIME.psf | CIRS_161TI_FIRLMBT001_PRIME.ck |
| CIRS_161TI_FIRLMBT002_PRIME | 2012-050T08:43:17 | GMB_E161_TITAN_T82-000T00:00:00 | 000T00:45:00 | 2012-050T09:28:17 | Prime | CIRS_161TI_FIRLMBT002_PRIME.jpg | CIRS_161TI_FIRLMBT002_PRIME.sasf | CIRS_161TI_FIRLMBT002_PRIME.sof | CIRS_161TI_FIRLMBT002_PRIME.prf | CIRS_161TI_FIRLMBT002_PRIME.psf | CIRS_161TI_FIRLMBT002_PRIME.ck |
| CIRS_161TI_FIRLMBBAER002_PRIME | 2012-050T09:28:17 | GMB_E161_TITAN_T82-000T00:45:00 | 000T00:30:00 | 2012-050T09:58:17 | Prime | CIRS_161TI_FIRLMBBAER002_PRIME.jpg | CIRS_161TI_FIRLMBBAER002_PRIME.sasf | CIRS_161TI_FIRLMBBAER002_PRIME.sof | CIRS_161TI_FIRLMBBAER002_PRIME.prf | CIRS_161TI_FIRLMBBAER002_PRIME.psf | CIRS_161TI_FIRLMBBAER002_PRIME.ck |
| CIRS_161TI_FIRLMBINT002_PRIME | 2012-050T09:58:17 | GMB_E161_TITAN_T82+000T01:15:00 | 000T01:00:00 | 2012-050T10:58:17 | Prime | CIRS_161TI_FIRLMBINT002_PRIME.jpg | CIRS_161TI_FIRLMBINT002_PRIME.sasf | CIRS_161TI_FIRLMBINT002_PRIME.sof | CIRS_161TI_FIRLMBINT002_PRIME.prf | CIRS_161TI_FIRLMBINT002_PRIME.psf | CIRS_161TI_FIRLMBINT002_PRIME.ck |
| CIRS_161TI_FIRNADMAP002_PRIME | 2012-050T10:58:17 | GMB_E161_TITAN_T82+000T02:15:00 | 000T02:45:00 | 2012-050T12:43:17 | Prime | CIRS_161TI_FIRNADMAP002_PRIME.jpg | CIRS_161TI_FIRNADMAP002_PRIME.sasf | CIRS_161TI_FIRNADMAP002_PRIME.sof | CIRS_161TI_FIRNADMAP002_PRIME.prf | CIRS_161TI_FIRNADMAP002_PRIME.psf | CIRS_161TI_FIRNADMAP002_PRIME.ck |
| CIRS_161TI_MIRLMBMAP002_PRIME | 2012-050T13:43:17 | GMB_E161_TITAN_T82+000T05:00:00 | 000T04:00:00 | 2012-050T17:43:17 | Prime | CIRS_161TI_MIRLMBMAP002_PRIME.jpg | CIRS_161TI_MIRLMBMAP002_PRIME.sasf | CIRS_161TI_MIRLMBMAP002_PRIME.sof | CIRS_161TI_MIRLMBMAP002_PRIME.prf | CIRS_161TI_MIRLMBMAP002_PRIME.psf | CIRS_161TI_MIRLMBMAP002_PRIME.ck |
| CIRS_161TI_FIRNADCMP002_PRIME | 2012-050T17:43:17 | GMB_E161_TITAN_T82+000T09:00:00 | 000T02:05:43 | 2012-050T19:49:00 | Prime | CIRS_161TI_FIRNADCMP002_PRIME.jpg | CIRS_161TI_FIRNADCMP002_PRIME.sasf | CIRS_161TI_FIRNADCMP002_PRIME.sof | CIRS_161TI_FIRNADCMP002_PRIME.prf | CIRS_161TI_FIRNADCMP002_PRIME.psf | CIRS_161TI_FIRNADCMP002_PRIME.ck |
| CIRS_161TI_M60R3CLD055_ISS | 2012-055T07:39:00 | E161_M60R3CLD055+000T00:00:00 | 000T01:30:00 | 2012-055T09:09:00 | SPASS Rider | | | | | | |
| CIRS_161TI_M90R3CLD060_ISS | 2012-060T14:15:00 | E161_M90R3CLD060+000T00:00:00 | 000T01:30:00 | 2012-060T15:45:00 | SPASS Rider | | | | | | |
| CIRS_162TI_M120R2HZ062_ISS | 2012-062T14:15:00 | E162_M120R2HZ062+000T00:00:00 | 000T01:30:00 | 2012-062T15:45:00 | SPASS Rider | | | | | | |
| CIRS_162TI_M30R1CLD068_ISS | 2012-069T15:51:00 | E162_M30R1CLD068+000T00:00:00 | 000T02:00:00 | 2012-069T17:51:00 | SPASS Rider | | | | | | |
| CIRS_162TI_M30R2CLD070_ISS | 2012-070T08:15:00 | E162_M30R2CLD070+000T00:00:00 | 000T01:30:00 | 2012-070T09:45:00 | SPASS Rider | | | | | | |
| CIRS_162TI_M30R3CLD071_ISS | 2012-071T22:00:00 | E162_M30R3CLD071+000T00:00:00 | 000T01:30:00 | 2012-071T23:30:00 | SPASS Rider | | | | | | |
| CIRS_162TI_M60R3CLD073_ISS | 2012-073T14:11:00 | E162_M60R3CLD073+000T00:00:00 | 000T01:30:00 | 2012-073T15:41:00 | SPASS Rider | | | | | | |
| CIRS_163TI_M90R2CLD079_ISS | 2012-080T00:30:00 | E163_M90R2CLD079+000T00:00:00 | 000T01:30:00 | 2012-080T02:00:00 | SPASS Rider | | | | | | |
| CIRS_163TI_M60R2CLD086_ISS | 2012-086T19:27:00 | E163_M60R2CLD086+000T00:00:00 | 000T01:30:00 | 2012-086T20:57:00 | SPASS Rider | | | | | | |
| CIRS_163TI_M60R2CLD088_ISS | 2012-088T21:12:00 | E163_M60R2CLD088+000T00:00:00 | 000T01:30:00 | 2012-088T22:42:00 | SPASS Rider | | | | | | |
| CIRS_163TI_M90R2CLD094_ISS | 2012-094T14:22:00 | E163_M90R2CLD094+000T00:00:00 | 000T01:30:00 | 2012-094T14:22:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M60R2CLD099_ISS | 2012-099T12:13:00 | E164_M60R2CLD099+000T00:00:00 | 000T01:30:00 | 2012-099T13:43:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M60R3CLD102_ISS | 2012-102T18:28:00 | E164_M60R3CLD102+000T00:00:00 | 000T01:30:00 | 2012-102T19:58:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M90R2CLD104_ISS | 2012-104T18:13:00 | E164_M90R2CLD104+000T00:00:00 | 000T01:30:00 | 2012-104T19:43:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M90R2CLD106_ISS | 2012-106T20:38:00 | E164_M90R2CLD106+000T00:00:00 | 000T01:30:00 | 2012-106T22:08:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M90R2CLD110_ISS | 2012-110T22:00:00 | E164_M90R2CLD110+000T00:00:00 | 000T01:30:00 | 2012-110T23:30:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M90R1CLD111_ISS | 2012-111T11:28:00 | E164_M90R1CLD111+000T00:00:00 | 000T02:00:00 | 2012-111T13:28:00 | SPASS Rider | | | | | | |
| CIRS_164TI_M60R2CLD114_ISS | 2012-114T11:13:00 | E164_M60R2CLD114+000T00:00:00 | 000T01:30:00 | 2012-114T12:43:00 | SPASS Rider | | | | | | |
| CIRS_165TI_M60R3CLD119_ISS | 2012-119T10:57:00 | E165_M60R3CLD119+000T00:00:00 | 000T01:30:00 | 2012-119T12:27:00 | SPASS Rider | | | | | | |
| CIRS_165TI_M90R3CLD121_ISS | 2012-121T10:42:00 | E165_M90R3CLD121+000T00:00:00 | 000T01:30:00 | 2012-121T12:00:00 | SPASS Rider | | | | | | |
| CIRS_165TI_M90R1CLD126_ISS | 2012-126T09:47:00 | E165_M90R1CLD126+000T00:00:00 | 000T02:00:00 | 2012-126T11:47:00 | SPASS Rider | | | | | | |
| CIRS_165TI_LRMONITOR001_ISS | 2012-127T09:47:00 | | 000T14:45:00 | 2012-128T00:32:00 | SPASS Rider | | | | | | |
| CIRS_165TI_M60R1CLD128_ISS | 2012-128T09:32:00 | E165_M60R1CLD128+000T00:00:00 | 000T02:00:00 | 2012-128T11:32:00 | SPASS Rider | | | | | | |
| CIRS_165TI_M60R3CLD132_ISS | 2012-132T09:17:00 | | 000T01:30:00 | 2012-132T10:47:00 | SPASS Rider | | | | | | |
| CIRS_166TI_M60R3CLD133_ISS | 2012-133T09:17:00 | E166_M60R3CLD133+000T00:00:00 | 000T01:30:00 | 2012-133T10:47:00 | SPASS Rider | | | | | | |
| CIRS_166TI_M60R3CLD134_ISS | 2012-134T09:17:00 | E166_M60R3CLD134+000T00:00:00 | 000T01:30:00 | 2012-134T10:47:00 | SPASS Rider | | | | | | |
| CIRS_166TI_M90R3CLD137_ISS | 2012-137T09:01:00 | E166_M90R3CLD137+000T00:00:00 | 000T01:30:00 | 2012-137T10:31:00 | SPASS Rider | | | | | | |
| CIRS_166TI_M90R3CLD138_ISS | 2012-138T20:46:00 | E166_M90R3CLD138+000T00:00:00 | 000T01:30:00 | 2012-138T22:16:00 | SPASS Rider | | | | | | |
| CIRS_166TI_CLOUDMAP001_VIMS | 2012-142T11:10:11 | GMB_E166_TITAN_T83-000T14:00:00 | 000T05:00:00 | 2012-142T16:10:11 | SPASS Rider | | | | | | |
| CIRS_166TI_MIRLMBINT001_PRIME | 2012-142T16:10:11 | GMB_E166_TITAN_T83-000T09:00:00 | 000T04:00:00 | 2012-142T20:10:11 | Prime | CIRS_166TI_MIRLMBINT001_PRIME.jpg | CIRS_166TI_MIRLMBINT001_PRIME.sasf | CIRS_166TI_MIRLMBINT001_PRIME.sof | CIRS_166TI_MIRLMBINT001_PRIME.prf | CIRS_166TI_MIRLMBINT001_PRIME.psf | CIRS_166TI_MIRLMBINT001_PRIME.ck |
| CIRS_166TI_FIRNADMAP001_PRIME | 2012-142T20:10:11 | GMB_E166_TITAN_T83-000T05:00:00 | 000T02:33:00 | 2012-142T22:43:11 | Prime | CIRS_166TI_FIRNADMAP001_PRIME.jpg | CIRS_166TI_FIRNADMAP001_PRIME.sasf | CIRS_166TI_FIRNADMAP001_PRIME.sof | CIRS_166TI_FIRNADMAP001_PRIME.prf | CIRS_166TI_FIRNADMAP001_PRIME.psf | CIRS_166TI_FIRNADMAP001_PRIME.ck |

| CIRS_175TI_MIDIRTMAP002_PRIME | 2012-334T22:56:59 | GMB_E175_TITAN_T88+000T14:00:00 | 000T11:43:00 | 2012-335T10:39:59 | Prime | CIRS_175TI_MIDIRTMAP002_PRIME.jpg | CIRS_175TI_MIDIRTMAP002_PRIME.sasf | CIRS_175TI_MIDIRTMAP002_PRIME.sof | CIRS_175TI_MIDIRTMAP002_PRIME.pef | CIRS_175TI_MIDIRTMAP002_PRIME.ck |
|--------------------------------|-------------------|---------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_176TI_M90R2CLD343_ISS | 2012-343T14:17:00 | E176_M90R2CLD343+000T00:00:00 | 000T01:30:00 | 2012-343T15:47:00 | SPASS Rider | | | | | |
| CIRS_176TI_LRMONITOR001_ISS | 2012-350T19:38:00 | | 001T05:40:00 | 2012-352T01:18:00 | SPASS Rider | | | | | |
| CIRS_177TI_M120R1HZ352_ISS | 2012-352T11:48:00 | E177_M120R1HZ352+000T00:00:00 | 000T02:00:00 | 2012-352T13:48:00 | SPASS Rider | | | | | |
| CIRS_177TI_M60R3CLD361_ISS | 2012-360T14:25:00 | E177_M60R3CLD361+000T00:00:00 | 000T01:30:00 | 2012-360T15:55:00 | SPASS Rider | | | | | |
| CIRS_178TI_M90R3CLD012_ISS | 2012-360T00:06:00 | E178_M90R3CLD012+000T00:00:00 | 000T01:30:00 | 2013-012T01:36:00 | SPASS Rider | | | | | |
| CIRS_181TI_MIDIRTMAP001_PRIME | 2013-047T09:20:59 | GMB_E181_TITAN_T89+000T16:35:36 | 000T02:30:36 | 2013-047T11:51:35 | Prime | CIRS_181TI_MIDIRTMAP001_PRIME.jpg | CIRS_181TI_MIDIRTMAP001_PRIME.sasf | CIRS_181TI_MIDIRTMAP001_PRIME.sof | CIRS_181TI_MIDIRTMAP001_PRIME.pef | CIRS_181TI_MIDIRTMAP001_PRIME.ck |
| CIRS_181TI_RSSPRIME215_RSS | 2013-047T11:51:35 | GMB_E181_TITAN_T89+000T14:05:00 | 001T02:05:00 | 2013-048T13:56:35 | SPASS Rider | | | | | |
| CIRS_181TI_MIDIRTMAP002_PRIME | 2013-048T13:56:35 | GMB_E181_TITAN_T89+000T12:00:00 | 000T08:19:24 | 2013-048T22:15:59 | Prime | CIRS_181TI_MIDIRTMAP002_PRIME.jpg | CIRS_181TI_MIDIRTMAP002_PRIME.sasf | CIRS_181TI_MIDIRTMAP002_PRIME.sof | CIRS_181TI_MIDIRTMAP002_PRIME.pef | CIRS_181TI_MIDIRTMAP002_PRIME.ck |
| CIRS_181TI_TEAO01_PRIME | 2013-049T09:46:00 | | 001T01:41:00 | 2013-050T11:27:00 | Prime | CIRS_181TI_TEAO01_PRIME.jpg | CIRS_181TI_TEAO01_PRIME.sasf | CIRS_181TI_TEAO01_PRIME.sof | CIRS_181TI_TEAO01_PRIME.pef | CIRS_181TI_TEAO01_PRIME.ck |
| CIRS_181TI_TEAO02_PRIME | 2013-050T21:57:00 | | 000T23:30:00 | 2013-051T21:27:00 | Prime | CIRS_181TI_TEAO02_PRIME.jpg | CIRS_181TI_TEAO02_PRIME.sasf | CIRS_181TI_TEAO02_PRIME.sof | CIRS_181TI_TEAO02_PRIME.pef | CIRS_181TI_TEAO02_PRIME.ck |
| CIRS_182TI_TEAO01_PRIME | 2013-052T07:57:00 | | 000T21:00:00 | 2013-053T04:57:00 | Prime | CIRS_182TI_TEAO01_PRIME.jpg | CIRS_182TI_TEAO01_PRIME.sasf | CIRS_182TI_TEAO01_PRIME.sof | CIRS_182TI_TEAO01_PRIME.pef | CIRS_182TI_TEAO01_PRIME.ck |
| CIRS_182TI_TEAO02_PRIME | 2013-053T15:52:00 | | 000T11:10:00 | 2013-054T03:02:00 | Prime | CIRS_182TI_TEAO02_PRIME.jpg | CIRS_182TI_TEAO02_PRIME.sasf | CIRS_182TI_TEAO02_PRIME.sof | CIRS_182TI_TEAO02_PRIME.pef | CIRS_182TI_TEAO02_PRIME.ck |
| CIRS_183TI_M30R3CLD072_ISS | 2013-072T18:20:00 | E183_M30R3CLD072+000T00:00:00 | 000T01:30:00 | 2013-072T19:50:00 | SPASS Rider | | | | | |
| CIRS_183TI_M60R3CLD073_ISS | 2013-073T18:10:00 | E183_M60R3CLD073+000T00:00:00 | 000T01:30:00 | 2013-073T19:40:00 | SPASS Rider | | | | | |
| CIRS_184TI_M150R2HZ078_ISS | 2013-078T14:10:00 | E184_M150R2HZ078+000T00:00:00 | 000T01:30:00 | 2013-078T15:40:00 | SPASS Rider | | | | | |
| CIRS_184TI_M60R3CLD087_ISS | 2013-087T00:40:00 | E185_M60R3CLD087+000T00:00:00 | 000T01:30:00 | 2013-087T02:10:00 | SPASS Rider | | | | | |
| CIRS_185TI_M90R3CLD089_ISS | 2013-089T13:21:00 | E185_M90R3CLD089+000T00:00:00 | 000T01:30:00 | 2013-089T14:51:00 | SPASS Rider | | | | | |
| CIRS_185TI_MIDIRTMAP001_PRIME | 2013-095T05:55:59 | GMB_E185_TITAN_T90+000T07:47:32 | 000T02:47:32 | 2013-095T08:43:31 | Prime | CIRS_185TI_MIDIRTMAP001_PRIME.jpg | CIRS_185TI_MIDIRTMAP001_PRIME.sasf | CIRS_185TI_MIDIRTMAP001_PRIME.sof | CIRS_185TI_MIDIRTMAP001_PRIME.pef | CIRS_185TI_MIDIRTMAP001_PRIME.ck |
| CIRS_185TI_FIRNADCM001_PRIME | 2013-095T08:43:31 | GMB_E185_TITAN_T90+000T13:00:00 | 000T04:00:00 | 2013-095T12:43:31 | Prime | CIRS_185TI_FIRNADCM001_PRIME.jpg | CIRS_185TI_FIRNADCM001_PRIME.sasf | CIRS_185TI_FIRNADCM001_PRIME.sof | CIRS_185TI_FIRNADCM001_PRIME.pef | CIRS_185TI_FIRNADCM001_PRIME.ck |
| CIRS_185TI_MIRLMBINT001_PRIME | 2013-095T12:43:31 | GMB_E185_TITAN_T90+000T09:00:00 | 000T04:00:00 | 2013-095T16:43:31 | Prime | CIRS_185TI_MIRLMBINT001_PRIME.jpg | CIRS_185TI_MIRLMBINT001_PRIME.sasf | CIRS_185TI_MIRLMBINT001_PRIME.sof | CIRS_185TI_MIRLMBINT001_PRIME.pef | CIRS_185TI_MIRLMBINT001_PRIME.ck |
| CIRS_185TI_FIRNADMAP001_PRIME | 2013-095T16:43:31 | GMB_E185_TITAN_T90+000T05:00:00 | 000T02:45:00 | 2013-095T19:28:31 | Prime | CIRS_185TI_FIRNADMAP001_PRIME.jpg | CIRS_185TI_FIRNADMAP001_PRIME.sasf | CIRS_185TI_FIRNADMAP001_PRIME.sof | CIRS_185TI_FIRNADMAP001_PRIME.pef | CIRS_185TI_FIRNADMAP001_PRIME.ck |
| CIRS_185TI_FIRLMBINT001_PRIME | 2013-095T19:28:31 | GMB_E185_TITAN_T90+000T02:15:00 | 000T01:00:00 | 2013-095T20:28:31 | Prime | CIRS_185TI_FIRLMBINT001_PRIME.jpg | CIRS_185TI_FIRLMBINT001_PRIME.sasf | CIRS_185TI_FIRLMBINT001_PRIME.sof | CIRS_185TI_FIRLMBINT001_PRIME.pef | CIRS_185TI_FIRLMBINT001_PRIME.ck |
| CIRS_185TI_FIRLMBBAER001_PRIME | 2013-095T20:28:31 | GMB_E185_TITAN_T90+000T01:15:00 | 000T00:30:00 | 2013-095T20:58:31 | Prime | CIRS_185TI_FIRLMBBAER001_PRIME.jpg | CIRS_185TI_FIRLMBBAER001_PRIME.sasf | CIRS_185TI_FIRLMBBAER001_PRIME.sof | CIRS_185TI_FIRLMBBAER001_PRIME.pef | CIRS_185TI_FIRLMBBAER001_PRIME.ck |
| CIRS_185TI_FIRLMBT001_PRIME | 2013-095T20:58:31 | GMB_E185_TITAN_T90+000T00:45:00 | 000T00:30:00 | 2013-095T21:28:31 | Prime | CIRS_185TI_FIRLMBT001_PRIME.jpg | CIRS_185TI_FIRLMBT001_PRIME.sasf | CIRS_185TI_FIRLMBT001_PRIME.sof | CIRS_185TI_FIRLMBT001_PRIME.pef | CIRS_185TI_FIRLMBT001_PRIME.ck |
| CIRS_185TI_HIRES001_VIMS | 2013-095T21:28:31 | GMB_E185_TITAN_T90+000T00:15:00 | 000T02:30:00 | 2013-095T23:58:31 | SPASS Rider | | | | | |
| CIRS_185TI_REGMAP001_VIMS | 2013-095T23:58:31 | GMB_E185_TITAN_T90+000T02:15:00 | 000T02:45:00 | 2013-096T02:43:31 | SPASS Rider | | | | | |
| CIRS_185TI_GLOBMAP001_VIMS | 2013-096T02:43:31 | GMB_E185_TITAN_T90+000T05:00:00 | 000T04:00:00 | 2013-096T04:43:31 | SPASS Rider | | | | | |
| CIRS_185TI_FIRNADCM002_PRIME | 2013-096T06:43:31 | GMB_E185_TITAN_T90+000T09:00:00 | 000T05:00:00 | 2013-097T11:43:31 | Prime | CIRS_185TI_FIRNADCM002_PRIME.jpg | CIRS_185TI_FIRNADCM002_PRIME.sasf | CIRS_185TI_FIRNADCM002_PRIME.sof | CIRS_185TI_FIRNADCM002_PRIME.pef | CIRS_185TI_FIRNADCM002_PRIME.ck |
| CIRS_185TI_MIDIRTMAP002_PRIME | 2013-096T11:43:31 | GMB_E185_TITAN_T90+000T14:00:00 | 000T05:28:28 | 2013-096T17:35:59 | Prime | CIRS_185TI_MIDIRTMAP002_PRIME.jpg | CIRS_185TI_MIDIRTMAP002_PRIME.sasf | CIRS_185TI_MIDIRTMAP002_PRIME.sof | CIRS_185TI_MIDIRTMAP002_PRIME.pef | CIRS_185TI_MIDIRTMAP002_PRIME.ck |
| CIRS_185TI_TEAO01_PRIME | 2013-097T07:36:00 | | 000T10:55:00 | 2013-097T18:31:00 | Prime | CIRS_185TI_TEAO01_PRIME.jpg | CIRS_185TI_TEAO01_PRIME.sasf | CIRS_185TI_TEAO01_PRIME.sof | CIRS_185TI_TEAO01_PRIME.pef | CIRS_185TI_TEAO01_PRIME.ck |
| CIRS_186TI_TEAO01_PRIME | 2013-098T05:01:00 | | 000T14:45:00 | 2013-098T14:46:00 | Prime | CIRS_186TI_TEAO01_PRIME.jpg | CIRS_186TI_TEAO01_PRIME.sasf | CIRS_186TI_TEAO01_PRIME.sof | CIRS_186TI_TEAO01_PRIME.pef | CIRS_186TI_TEAO01_PRIME.ck |
| CIRS_186TI_TEAO02_PRIME | 2013-099T04:46:00 | | 000T15:00:00 | 2013-099T19:46:00 | Prime | CIRS_186TI_TEAO02_PRIME.jpg | CIRS_186TI_TEAO02_PRIME.sasf | CIRS_186TI_TEAO02_PRIME.sof | CIRS_186TI_TEAO02_PRIME.pef | CIRS_186TI_TEAO02_PRIME.ck |
| CIRS_186TI_M30R2CLD103_ISS | 2013-103T12:41:00 | E186_M30R2CLD103+000T00:00:00 | 000T01:30:00 | 2013-103T14:11:00 | SPASS Rider | | | | | |
| CIRS_186TI_M30R3CLD104_ISS | 2013-104T18:56:00 | E186_M30R3CLD104+000T00:00:00 | 000T01:30:00 | 2013-104T20:26:00 | SPASS Rider | | | | | |
| CIRS_186TI_M60R3CLD105_ISS | 2013-105T18:56:00 | E186_M60R3CLD105+000T00:00:00 | 000T01:30:00 | 2013-105T20:26:00 | SPASS Rider | | | | | |
| CIRS_186TI_M60R3CLD106_ISS | 2013-107T06:22:00 | E186_M60R3CLD106+000T00:00:00 | 000T01:30:00 | 2013-107T07:52:00 | SPASS Rider | | | | | |
| CIRS_189TI_M30R3CLD134_ISS | 2013-134T09:55:00 | E189_M30R3CLD134+000T00:00:00 | 000T01:30:00 | 2013-134T11:25:00 | SPASS Rider | | | | | |
| CIRS_189TI_M30R3CLD135_ISS | 2013-135T02:46:00 | E189_M30R3CLD135+000T00:00:00 | 000T01:30:00 | 2013-135T04:16:00 | SPASS Rider | | | | | |
| CIRS_190TI_M60R3CLD136_ISS | 2013-136T02:46:00 | E190_M60R3CLD136+000T00:00:00 | 000T01:30:00 | 2013-136T04:16:00 | SPASS Rider | | | | | |
| CIRS_190TI_M60R3CLD137_ISS | 2013-137T10:16:00 | E190_M60R3CLD137+000T00:00:00 | 000T01:30:00 | 2013-137T11:46:00 | SPASS Rider | | | | | |
| CIRS_190TI_MIDIRTMAP001_PRIME | 2013-143T02:41:00 | GMB_E190_TITAN_T91+000T14:51:55 | 000T01:51:55 | 2013-143T04:22:55 | Prime | CIRS_190TI_MIDIRTMAP001_PRIME.jpg | CIRS_190TI_MIDIRTMAP001_PRIME.sasf | CIRS_190TI_MIDIRTMAP001_PRIME.sof | CIRS_190TI_MIDIRTMAP001_PRIME.pef | CIRS_190TI_MIDIRTMAP001_PRIME.ck |
| CIRS_190TI_FIRNADCM001_PRIME | 2013-143T04:32:55 | GMB_E190_TITAN_T91+000T13:00:00 | 000T04:00:00 | 2013-143T08:32:55 | Prime | CIRS_190TI_FIRNADCM001_PRIME.jpg | CIRS_190TI_FIRNADCM001_PRIME.sasf | CIRS_190TI_FIRNADCM001_PRIME.sof | CIRS_190TI_FIRNADCM001_PRIME.pef | CIRS_190TI_FIRNADCM001_PRIME.ck |
| CIRS_190TI_MIRLMBMAP001_PRIME | 2013-143T08:32:55 | GMB_E190_TITAN_T91+000T09:00:00 | 000T03:00:00 | 2013-143T11:32:55 | Prime | CIRS_190TI_MIRLMBMAP001_PRIME.jpg | CIRS_190TI_MIRLMBMAP001_PRIME.sasf | CIRS_190TI_MIRLMBMAP001_PRIME.sof | CIRS_190TI_MIRLMBMAP001_PRIME.pef | CIRS_190TI_MIRLMBMAP001_PRIME.ck |
| CIRS_190TI_GLOBMAP001_ISS | 2013-143T23:32:55 | GMB_E190_TITAN_T91+000T06:00:00 | 000T03:00:00 | 2013-144T02:32:55 | SPASS Rider | | | | | |

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|-------------------------------|-------------------|---------------------------------|--------------|-------------------|-------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| CIRS_190TI_FIRNADCMP002_PRIME | 2013-144T02:32:55 | GMB_E190_TITAN_T91+000T09:00:00 | 000T05:00:00 | 2013-144T07:32:55 | Prime | CIRS_190TI_FIRNADCMP002_PRIME.jpg | CIRS_190TI_FIRNADCMP002_PRIME.sasf | CIRS_190TI_FIRNADCMP002_PRIME.sof | CIRS_190TI_FIRNADCMP002_PRIME.pef | CIRS_190TI_FIRNADCMP002_PRIME.ck |
| CIRS_190TI_MIDIRTMAP002_PRIME | 2013-144T07:32:55 | GMB_E190_TITAN_T91+000T14:00:00 | 000T08:03:05 | 2013-144T15:36:00 | Prime | CIRS_190TI_MIDIRTMAP002_PRIME.jpg | CIRS_190TI_MIDIRTMAP002_PRIME.sasf | CIRS_190TI_MIDIRTMAP002_PRIME.sof | CIRS_190TI_MIDIRTMAP002_PRIME.pef | CIRS_190TI_MIDIRTMAP002_PRIME.ck |
| CIRS_191TI_M90R2CLD149_ISS | 2013-149T15:41:00 | E191_M90R2CLD149+000T00:00:00 | 000T01:30:00 | 2013-149T17:11:00 | SPASS Rider | | | | | |
| CIRS_191TI_LRMONITOR001_ISS | 2013-150T15:00:00 | | 000T14:41:00 | 2013-151T05:41:00 | SPASS Rider | | | | | |
| CIRS_191TI_LRMONITOR002_ISS | 2013-151T11:52:00 | | 000T02:38:00 | 2013-151T14:30:00 | SPASS Rider | | | | | |
| CIRS_192TI_M120R2HZ164_ISS | 2013-161T14:54:00 | E192_M120R2HZ164+000T00:00:00 | 000T01:30:00 | 2013-161T16:24:00 | SPASS Rider | | | | | |
| CIRS_192TI_M30R2CLD165_ISS | 2013-165T17:24:00 | E192_M30R2CLD165+000T00:00:00 | 000T01:30:00 | 2013-165T18:54:00 | SPASS Rider | | | | | |
| CIRS_192TI_M30R3CLD166_ISS | 2013-167T00:15:00 | E192_M30R3CLD166+000T00:00:00 | 000T01:30:00 | 2013-167T01:45:00 | SPASS Rider | | | | | |
| CIRS_193TI_M90R3CLD170_ISS | 2013-170T15:10:00 | E193_M90R3CLD170+000T00:00:00 | 000T01:30:00 | 2013-170T16:40:00 | SPASS Rider | | | | | |
| CIRS_193TI_M150R2HZ173_ISS | 2013-173T14:08:00 | E193_M150R2HZ173+000T00:00:00 | 000T01:30:00 | 2013-173T15:38:00 | SPASS Rider | | | | | |
| CIRS_193TI_M90R2CLD177_ISS | 2013-177T18:03:00 | E193_M90R2CLD177+000T00:00:00 | 000T01:30:00 | 2013-177T19:33:00 | SPASS Rider | | | | | |
| CIRS_194TI_CLOUDMAP001_ISS | 2013-190T23:20:59 | GMB_E194_TITAN_T92-000T14:00:48 | 000T02:00:48 | 2013-191T01:21:47 | SPASS Rider | | | | | |
| CIRS_194TI_FIRNADCMP001_PRIME | 2013-191T01:21:47 | GMB_E194_TITAN_T92-000T12:00:00 | 000T03:00:00 | 2013-191T04:21:47 | Prime | CIRS_194TI_FIRNADCMP001_PRIME.jpg | CIRS_194TI_FIRNADCMP001_PRIME.sasf | CIRS_194TI_FIRNADCMP001_PRIME.sof | CIRS_194TI_FIRNADCMP001_PRIME.pef | CIRS_194TI_FIRNADCMP001_PRIME.ck |
| CIRS_194TI_MIRLMBINT001_PRIME | 2013-191T04:21:47 | GMB_E194_TITAN_T92-000T09:00:00 | 000T03:00:00 | 2013-191T07:21:47 | Prime | CIRS_194TI_MIRLMBINT001_PRIME.jpg | CIRS_194TI_MIRLMBINT001_PRIME.sasf | CIRS_194TI_MIRLMBINT001_PRIME.sof | CIRS_194TI_MIRLMBINT001_PRIME.pef | CIRS_194TI_MIRLMBINT001_PRIME.ck |
| CIRS_194TI_TRANS001_INMS | 2013-191T14:21:47 | GMB_E194_TITAN_T92+000T01:00:00 | 000T02:20:00 | 2013-191T14:43:47 | SPASS Rider | | | | | |
| CIRS_194TI_REGMAP002_VIMS | 2013-191T14:43:47 | GMB_E194_TITAN_T92+000T01:22:00 | 000T00:53:00 | 2013-191T15:36:47 | SPASS Rider | | | | | |
| CIRS_194TI_MEDRES002_VIMS | 2013-191T15:36:47 | GMB_E194_TITAN_T92+000T02:15:00 | 000T02:45:00 | 2013-191T18:21:47 | SPASS Rider | | | | | |
| CIRS_194TI_GLOBMAP002_VIMS | 2013-191T18:21:47 | GMB_E194_TITAN_T92+000T05:00:00 | 000T04:00:00 | 2013-191T22:21:47 | SPASS Rider | | | | | |
| CIRS_194TI_CLOUD002_ISS | 2013-191T22:21:47 | GMB_E194_TITAN_T92+000T09:00:00 | 000T04:54:12 | 2013-192T03:15:59 | SPASS Rider | | | | | |
| CIRS_194TI_M90R2CLD195_ISS | 2013-195T06:20:00 | E194_M90R2CLD195+000T00:00:00 | 000T01:30:00 | 2013-195T07:50:00 | SPASS Rider | | | | | |
| CIRS_195TI_M90R2CLD198_ISS | 2013-198T06:05:00 | E195_M90R2CLD198+000T00:00:00 | 000T01:30:00 | 2013-198T07:35:00 | SPASS Rider | | | | | |
| CIRS_195TI_MIDIRTMAP001_PRIME | 2013-206T13:33:59 | GMB_E195_TITAN_T93-000T22:22:23 | 000T08:22:23 | 2013-206T21:56:22 | Prime | CIRS_195TI_MIDIRTMAP001_PRIME.jpg | CIRS_195TI_MIDIRTMAP001_PRIME.sasf | CIRS_195TI_MIDIRTMAP001_PRIME.sof | CIRS_195TI_MIDIRTMAP001_PRIME.pef | CIRS_195TI_MIDIRTMAP001_PRIME.ck |
| CIRS_195TI_MONITORA001_ISS | 2013-206T21:56:22 | GMB_E195_TITAN_T93-000T14:00:00 | 000T02:00:00 | 2013-206T23:56:22 | SPASS Rider | | | | | |
| CIRS_195TI_FIRNADCMP001_PRIME | 2013-206T23:56:22 | GMB_E195_TITAN_T93-000T12:00:00 | 000T03:00:00 | 2013-207T02:56:22 | Prime | CIRS_195TI_FIRNADCMP001_PRIME.jpg | CIRS_195TI_FIRNADCMP001_PRIME.sasf | CIRS_195TI_FIRNADCMP001_PRIME.sof | CIRS_195TI_FIRNADCMP001_PRIME.pef | CIRS_195TI_FIRNADCMP001_PRIME.ck |
| CIRS_195TI_EUVFUV001_UVIS | 2013-207T02:56:22 | GMB_E195_TITAN_T93-000T09:00:00 | 000T06:45:00 | 2013-207T09:41:22 | SPASS Rider | | | | | |
| CIRS_195TI_REGMAP001_ISS | 2013-207T09:41:22 | GMB_E195_TITAN_T93-000T02:15:00 | 000T01:15:00 | 2013-207T10:56:22 | SPASS Rider | | | | | |
| CIRS_195TI_HIRES001_VIMS | 2013-207T10:56:22 | GMB_E195_TITAN_T93-000T01:00:00 | 000T02:00:00 | 2013-207T12:56:22 | SPASS Rider | | | | | |
| CIRS_195TI_REGMAP002_ISS | 2013-207T12:56:22 | GMB_E195_TITAN_T93+000T01:00:00 | 000T01:15:00 | 2013-207T14:11:22 | SPASS Rider | | | | | |
| CIRS_195TI_REGMAP003_ISS | 2013-207T14:11:22 | GMB_E195_TITAN_T93+000T02:15:00 | 000T01:45:00 | 2013-207T15:56:22 | SPASS Rider | | | | | |
| CIRS_195TI_MIRLMBMAP002_PRIME | 2013-207T15:56:22 | GMB_E195_TITAN_T93+000T04:00:00 | 000T05:00:00 | 2013-207T20:56:22 | Prime | CIRS_195TI_MIRLMBMAP002_PRIME.jpg | CIRS_195TI_MIRLMBMAP002_PRIME.sasf | CIRS_195TI_MIRLMBMAP002_PRIME.sof | CIRS_195TI_MIRLMBMAP002_PRIME.pef | CIRS_195TI_MIRLMBMAP002_PRIME.ck |
| CIRS_195TI_GLOBMAP001_VIMS | 2013-207T20:56:22 | GMB_E195_TITAN_T93+000T09:00:00 | 000T03:47:37 | 2013-208T00:43:59 | SPASS Rider | | | | | |
| CIRS_195TI_CLOUD001_ISS | 2013-208T15:19:00 | | 000T04:00:00 | 2013-208T19:19:00 | SPASS Rider | | | | | |
| CIRS_195TI_CLOUD002_ISS | 2013-208T19:19:00 | | 000T03:40:00 | 2013-208T22:59:00 | SPASS Rider | | | | | |
| CIRS_195TI_CLOUD003_ISS | 2013-208T22:59:00 | | 000T01:00:00 | 2013-208T23:59:00 | SPASS Rider | | | | | |
| CIRS_195TI_M90R2CLD211_ISS | 2013-211T11:33:00 | E195_M90R2CLD211+000T00:00:00 | 000T01:30:00 | 2013-211T13:03:00 | SPASS Rider | | | | | |
| CIRS_195TI_M120R2HZ216_ISS | 2013-216T05:03:00 | E195_M120R2HZ216+000T00:00:00 | 000T01:30:00 | 2013-216T06:33:00 | SPASS Rider | | | | | |
| CIRS_196TI_M90R3CLD227_ISS | 2013-227T09:51:00 | E196_M90R3CLD227+000T00:00:00 | 000T01:30:00 | 2013-227T11:21:00 | SPASS Rider | | | | | |
| CIRS_196TI_M60R3CLD232_ISS | 2013-232T20:15:00 | E196_M60R3CLD232+000T00:00:00 | 000T01:30:00 | 2013-232T21:45:00 | SPASS Rider | | | | | |
| CIRS_196TI_M90R3CLD234_ISS | 2013-234T10:00:00 | E196_M90R3CLD234+000T00:00:00 | 000T01:30:00 | 2013-234T11:30:00 | SPASS Rider | | | | | |
| CIRS_197TI_LRMONITOR001_ISS | 2013-247T18:48:00 | | 000T10:37:00 | 2013-248T05:25:00 | SPASS Rider | | | | | |
| CIRS_197TI_LRMONITOR002_ISS | 2013-249T08:33:00 | | 000T13:15:00 | 2013-249T21:48:00 | SPASS Rider | | | | | |
| CIRS_197TI_MIDIRTMAP001_PRIME | 2013-254T08:57:59 | GMB_E197_TITAN_T94-000T22:45:57 | 000T08:45:57 | 2013-254T17:43:56 | Prime | CIRS_197TI_MIDIRTMAP001_PRIME.jpg | CIRS_197TI_MIDIRTMAP001_PRIME.sasf | CIRS_197TI_MIDIRTMAP001_PRIME.sof | CIRS_197TI_MIDIRTMAP001_PRIME.pef | CIRS_197TI_MIDIRTMAP001_PRIME.ck |
| CIRS_197TI_FIRNADCMP001_PRIME | 2013-254T17:43:56 | GMB_E197_TITAN_T94-000T14:00:00 | 000T05:00:00 | 2013-254T22:43:56 | Prime | CIRS_197TI_FIRNADCMP001_PRIME.jpg | CIRS_197TI_FIRNADCMP001_PRIME.sasf | CIRS_197TI_FIRNADCMP001_PRIME.sof | CIRS_197TI_FIRNADCMP001_PRIME.pef | CIRS_197TI_FIRNADCMP001_PRIME.ck |
| CIRS_197TI_GLOBMAP001_ISS | 2013-254T22:43:56 | GMB_E197_TITAN_T94-000T09:00:00 | 000T04:00:00 | 2013-255T02:43:56 | SPASS Rider | | | | | |
| CIRS_197TI_REGMAP001_ISS | 2013-255T02:43:56 | GMB_E197_TITAN_T94-000T05:00:00 | 000T02:45:00 | 2013-255T05:28:56 | SPASS Rider | | | | | |

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|--------------------------------|-------------------|----------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_203TI_MIDIRTMAP001_PRIME | 2014-096T20:39:59 | GMB_E203_TITAN_T100-000T17:01:15 | 000T03:01:15 | 2014-096T23:41:14 | Prime | CIRS_203TI_MIDIRTMAP001_PRIME.jpg | CIRS_203TI_MIDIRTMAP001_PRIME.sasf | CIRS_203TI_MIDIRTMAP001_PRIME.sof | CIRS_203TI_MIDIRTMAP001_PRIME.pef | CIRS_203TI_MIDIRTMAP001_PRIME.ck |
| CIRS_203TI_MONITOR001_ISS | 2014-096T23:41:14 | GMB_E203_TITAN_T100-000T14:00:00 | 000T02:00:00 | 2014-097T01:41:14 | SPASS Rider | | | | | |
| CIRS_203TI_FIRNADCMP001_PRIME | 2014-097T01:41:14 | GMB_E203_TITAN_T100-000T12:00:00 | 000T03:00:00 | 2014-097T04:41:14 | Prime | CIRS_203TI_FIRNADCMP001_PRIME.jpg | CIRS_203TI_FIRNADCMP001_PRIME.sasf | CIRS_203TI_FIRNADCMP001_PRIME.sof | CIRS_203TI_FIRNADCMP001_PRIME.pef | CIRS_203TI_FIRNADCMP001_PRIME.ck |
| CIRS_203TI_MEDRES001_VIMS | 2014-097T04:41:14 | GMB_E203_TITAN_T100-000T09:00:00 | 000T04:00:00 | 2014-097T08:41:14 | SPASS Rider | | | | | |
| CIRS_203TI_REGMAP001_VIMS | 2014-097T08:41:14 | GMB_E203_TITAN_T100-000T05:00:00 | 000T02:45:00 | 2014-097T11:26:14 | SPASS Rider | | | | | |
| CIRS_203TI_FIRLMBWTR001_PRIME | 2014-097T11:26:14 | GMB_E203_TITAN_T100-000T02:15:00 | 000T00:53:00 | 2014-097T12:19:14 | Prime | CIRS_203TI_FIRLMBWTR001_PRIME.jpg | CIRS_203TI_FIRLMBWTR001_PRIME.sasf | CIRS_203TI_FIRLMBWTR001_PRIME.sof | CIRS_203TI_FIRLMBWTR001_PRIME.pef | CIRS_203TI_FIRLMBWTR001_PRIME.ck |
| CIRS_203TI_ALPSCOCC001_VIMS | 2014-097T12:19:14 | GMB_E203_TITAN_T100-000T01:22:00 | 000T00:49:00 | 2014-097T13:08:14 | SPASS Rider | | | | | |
| CIRS_203TI_REGMAP002_VIMS | 2014-097T13:09:14 | GMB_E203_TITAN_T100-000T00:32:00 | 000T00:20:00 | 2014-097T13:29:14 | SPASS Rider | | | | | |
| CIRS_203TI_TITAN100001_INMS | 2014-097T13:29:14 | GMB_E203_TITAN_T100-000T00:12:00 | 000T00:21:00 | 2014-097T13:50:14 | SPASS Rider | | | | | |
| CIRS_203TI_FIRLMLBAER002_PRIME | 2014-097T13:50:14 | GMB_E203_TITAN_T100+000T00:09:00 | 000T01:06:00 | 2014-097T14:56:14 | Prime | CIRS_203TI_FIRLMLBAER002_PRIME.jpg | CIRS_203TI_FIRLMLBAER002_PRIME.sasf | CIRS_203TI_FIRLMLBAER002_PRIME.sof | CIRS_203TI_FIRLMLBAER002_PRIME.pef | CIRS_203TI_FIRLMLBAER002_PRIME.ck |
| CIRS_203TI_TRANS002_RIDER | 2014-097T14:56:14 | GMB_E203_TITAN_T100+000T01:15:00 | 000T00:22:00 | 2014-097T15:18:14 | SPASS Rider | | | | | |
| CIRS_203TI_FIRLMBINT002_PRIME | 2014-097T15:18:14 | GMB_E203_TITAN_T100+000T01:37:00 | 000T00:38:00 | 2014-097T15:56:14 | Prime | CIRS_203TI_FIRLMBINT002_PRIME.jpg | CIRS_203TI_FIRLMBINT002_PRIME.sasf | CIRS_203TI_FIRLMBINT002_PRIME.sof | CIRS_203TI_FIRLMBINT002_PRIME.pef | CIRS_203TI_FIRLMBINT002_PRIME.ck |
| CIRS_203TI_EUVFUV001_UVIS | 2014-097T15:56:14 | GMB_E203_TITAN_T100+000T02:15:00 | 000T00:45:00 | 2014-097T22:41:14 | SPASS Rider | | | | | |
| CIRS_203TI_FIRNADCMP002_PRIME | 2014-097T22:41:14 | GMB_E203_TITAN_T100+000T09:00:00 | 000T04:00:00 | 2014-098T02:41:14 | Prime | CIRS_203TI_FIRNADCMP002_PRIME.jpg | CIRS_203TI_FIRNADCMP002_PRIME.sasf | CIRS_203TI_FIRNADCMP002_PRIME.sof | CIRS_203TI_FIRNADCMP002_PRIME.pef | CIRS_203TI_FIRNADCMP002_PRIME.ck |
| CIRS_203TI_MIDIRTMAP002_PRIME | 2014-098T02:41:14 | GMB_E203_TITAN_T100+000T13:00:00 | 000T08:23:45 | 2014-098T11:04:59 | Prime | CIRS_203TI_MIDIRTMAP002_PRIME.jpg | CIRS_203TI_MIDIRTMAP002_PRIME.sasf | CIRS_203TI_MIDIRTMAP002_PRIME.sof | CIRS_203TI_MIDIRTMAP002_PRIME.pef | CIRS_203TI_MIDIRTMAP002_PRIME.ck |
| CIRS_203TI_M120R2HZ104_ISS | 2014-104T12:55:00 | E203_M120R2HZ104+000T00:00:00 | 000T01:30:00 | 2014-104T14:25:00 | SPASS Rider | | | | | |
| CIRS_203TI_M90R2CLD106_ISS | 2014-106T12:45:00 | E203_M90R2CLD106+000T00:00:00 | 000T01:30:00 | 2014-106T14:15:00 | SPASS Rider | | | | | |
| CIRS_203TI_M120R2HZ108_ISS | 2014-108T12:30:00 | E203_M120R2HZ108+000T00:00:00 | 000T01:30:00 | 2014-108T14:00:00 | SPASS Rider | | | | | |
| CIRS_204TI_M90R3CLD117_ISS | 2014-117T18:56:00 | E204_M90R3CLD117+000T00:00:00 | 000T01:30:00 | 2014-117T20:26:00 | SPASS Rider | | | | | |
| CIRS_204TI_M90R3CLD119_ISS | 2014-119T18:50:00 | E204_M90R3CLD119+000T00:00:00 | 000T01:30:00 | 2014-119T20:20:00 | SPASS Rider | | | | | |
| CIRS_204TI_M60R3CLD123_ISS | 2014-123T18:41:00 | E204_M60R3CLD123+000T00:00:00 | 000T01:30:00 | 2014-123T20:11:00 | SPASS Rider | | | | | |
| CIRS_204TI_M60R3CLD125_ISS | 2014-124T22:30:00 | E204_M60R3CLD125+000T00:00:00 | 000T01:30:00 | 2014-125T00:00:00 | SPASS Rider | | | | | |
| CIRS_204TI_M60R2CLD127_ISS | 2014-127T11:46:00 | E204_M60R2CLD127+000T00:00:00 | 000T01:30:00 | 2014-127T13:16:00 | SPASS Rider | | | | | |
| CIRS_204TI_MIDIRTMAP001_PRIME | 2014-136T17:55:59 | GMB_E204_TITAN_T101-000T22:16:16 | 000T03:46:16 | 2014-136T21:42:15 | Prime | CIRS_204TI_MIDIRTMAP001_PRIME.jpg | CIRS_204TI_MIDIRTMAP001_PRIME.sasf | CIRS_204TI_MIDIRTMAP001_PRIME.sof | CIRS_204TI_MIDIRTMAP001_PRIME.pef | CIRS_204TI_MIDIRTMAP001_PRIME.ck |
| CIRS_204TI_MONITOR001_ISS | 2014-136T21:42:15 | GMB_E204_TITAN_T101-000T18:30:00 | 000T00:50:00 | 2014-136T22:32:15 | SPASS Rider | | | | | |
| CIRS_204TI RIDER001_SP | 2014-136T22:32:15 | GMB_E204_TITAN_T101-000T17:40:00 | 000T00:40:00 | 2014-136T23:12:15 | SPASS Rider | | | | | |
| CIRS_204TI_EUVFUV001_UVIS | 2014-137T02:12:15 | GMB_E204_TITAN_T101-000T14:00:00 | 000T05:15:00 | 2014-137T07:27:15 | SPASS Rider | | | | | |
| CIRS_204TI_WAYPTTURN137_SP | 2014-137T11:57:57 | GMB_E204_TITAN_T101-000T04:15:00 | 000T00:10:00 | 2014-137T12:07:15 | SPASS Rider | | | | | |
| CIRS_204TI_WAYPTTURN437_SP | 2014-137T18:22:15 | GMB_E204_TITAN_T101+000T02:10:00 | 000T00:13:00 | 2014-137T18:35:15 | SPASS Rider | | | | | |
| CIRS_204TI_FIRNADMAP002_PRIME | 2014-137T17:57:57 | GMB_E204_TITAN_T101+000T02:45:00 | 000T02:15:00 | 2014-137T21:12:15 | Prime | CIRS_204TI_FIRNADMAP002_PRIME.jpg | CIRS_204TI_FIRNADMAP002_PRIME.sasf | CIRS_204TI_FIRNADMAP002_PRIME.sof | CIRS_204TI_FIRNADMAP002_PRIME.pef | CIRS_204TI_FIRNADMAP002_PRIME.ck |
| CIRS_204TI_MIRLMBINT002_PRIME | 2014-137T21:12:15 | GMB_E204_TITAN_T101+000T05:00:00 | 000T04:00:00 | 2014-138T01:12:15 | Prime | CIRS_204TI_MIRLMBINT002_PRIME.jpg | CIRS_204TI_MIRLMBINT002_PRIME.sasf | CIRS_204TI_MIRLMBINT002_PRIME.sof | CIRS_204TI_MIRLMBINT002_PRIME.pef | CIRS_204TI_MIRLMBINT002_PRIME.ck |
| CIRS_204TI_FIRNADCP002_PRIME | 2014-138T01:12:15 | GMB_E204_TITAN_T101+000T09:00:00 | 000T04:00:00 | 2014-138T05:12:15 | Prime | CIRS_204TI_FIRNADCP002_PRIME.jpg | CIRS_204TI_FIRNADCP002_PRIME.sasf | CIRS_204TI_FIRNADCP002_PRIME.sof | CIRS_204TI_FIRNADCP002_PRIME.pef | CIRS_204TI_FIRNADCP002_PRIME.ck |
| CIRS_204TI_MIDIRTMAP002_PRIME | 2014-138T05:12:15 | GMB_E204_TITAN_T101+000T13:00:00 | 000T02:53:44 | 2014-138T08:05:59 | Prime | CIRS_204TI_MIDIRTMAP002_PRIME.jpg | CIRS_204TI_MIDIRTMAP002_PRIME.sasf | CIRS_204TI_MIDIRTMAP002_PRIME.sof | CIRS_204TI_MIDIRTMAP002_PRIME.pef | CIRS_204TI_MIDIRTMAP002_PRIME.ck |
| CIRS_204TI_CLOUD001_ISS | 2014-138T02:41:00 | | 000T03:00:00 | 2014-139T01:41:00 | SPASS Rider | | | | | |
| CIRS_204TI_CLOUD002_ISS | 2014-139T01:41:00 | | 000T02:55:00 | 2014-139T04:36:00 | SPASS Rider | | | | | |
| CIRS_204TI_CLOUD003_ISS | 2014-139T04:36:00 | | 000T01:00:00 | 2014-139T05:36:00 | SPASS Rider | | | | | |
| CIRS_204TI_M120R2HZ140_ISS | 2014-140T10:16:00 | E204_M120R2HZ140+000T00:00:00 | 000T01:30:00 | 2014-140T11:46:00 | SPASS Rider | | | | | |
| CIRS_204TI_M90R3CLD150_ISS | 2014-150T09:31:00 | E204_M90R3CLD150+000T00:00:00 | 000T01:30:00 | 2014-150T11:01:00 | SPASS Rider | | | | | |
| CIRS_205TI_M90R3CLD151_ISS | 2014-151T09:31:00 | E205_M90R3CLD151+000T00:00:00 | 000T01:30:00 | 2014-151T11:01:00 | SPASS Rider | | | | | |
| CIRS_205TI_M60R3CLD152_ISS | 2014-152T09:31:00 | E205_M60R3CLD152+000T00:00:00 | 000T01:30:00 | 2014-152T11:01:00 | SPASS Rider | | | | | |
| CIRS_205TI_M60R3CLD153_ISS | 2014-153T09:15:00 | E205_M60R3CLD153+000T00:00:00 | 000T01:30:00 | 2014-153T10:45:00 | SPASS Rider | | | | | |
| CIRS_205TI_M60R3CLD154_ISS | 2014-154T09:15:00 | E205_M60R3CLD154+000T00:00:00 | 000T01:30:00 | 2014-154T10:45:00 | SPASS Rider | | | | | |
| CIRS_205TI_M60R3CLD155_ISS | 2014-155T09:15:00 | E205_M60R3CLD155+000T00:00:00 | 000T01:30:00 | 2014-155T10:45:00 | SPASS Rider | | | | | |
| CIRS_205TI_M60R3CLD157_ISS | 2014-157T23:30:00 | E205_M60R3CLD157+000T00:00:00 | 000T01:30:00 | 2014-158T01:00:00 | SPASS Rider | | | | | |
| CIRS_205TI_M60R2CLD159_ISS | 2014-159T15:15:00 | E205_M60R2CLD159+000T00:00:00 | 000T01:30:00 | 2014-159T16:45:00 | SPASS Rider | | | | | |

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| CIRS_205TI_MIDIRTMAP001_PRIME | 2014-168T15:39:00 | GMB_E205_TITAN_T102-000T21:49:25 | 000T07:49:25 | 2014-168T23:28:25 | Prime | CIRS_205TI_MIDIRTMAP001_PRIME.jpg | CIRS_205TI_MIDIRTMAP001_PRIME.sasf | CIRS_205TI_MIDIRTMAP001_PRIME.sof | CIRS_205TI_MIDIRTMAP001_PRIME.prf | CIRS_205TI_MIDIRTMAP001_PRIME.ck |
| CIRS_205TI_MONITORNA001_ISS | 2014-168T23:28:25 | GMB_E205_TITAN_T102-000T14:00:00 | 000T02:00:00 | 2014-169T01:28:25 | SPASS Rider | | | | | |
| CIRS_205TI_FIRNADCMP001_PRIME | 2014-169T01:28:25 | GMB_E205_TITAN_T102-000T12:00:00 | 000T03:00:00 | 2014-169T04:28:25 | Prime | CIRS_205TI_FIRNADCMP001_PRIME.jpg | CIRS_205TI_FIRNADCMP001_PRIME.sasf | CIRS_205TI_FIRNADCMP001_PRIME.sof | CIRS_205TI_FIRNADCMP001_PRIME.prf | CIRS_205TI_FIRNADCMP001_PRIME.ck |
| CIRS_205TI_MIRLMBINT001_PRIME | 2014-169T04:28:25 | GMB_E205_TITAN_T102-000T09:00:00 | 000T04:24:00 | 2014-169T08:52:25 | Prime | CIRS_205TI_MIRLMBINT001_PRIME.jpg | CIRS_205TI_MIRLMBINT001_PRIME.sasf | CIRS_205TI_MIRLMBINT001_PRIME.sof | CIRS_205TI_MIRLMBINT001_PRIME.prf | CIRS_205TI_MIRLMBINT001_PRIME.ck |
| CIRS_205TI_FIRNADMAP002_PRIME | 2014-169T16:31:25 | GMB_E205_TITAN_T102+000T03:03:00 | 000T01:57:00 | 2014-169T18:28:25 | Prime | CIRS_205TI_FIRNADMAP002_PRIME.jpg | CIRS_205TI_FIRNADMAP002_PRIME.sasf | CIRS_205TI_FIRNADMAP002_PRIME.sof | CIRS_205TI_FIRNADMAP002_PRIME.prf | CIRS_205TI_FIRNADMAP002_PRIME.ck |
| CIRS_205TI_MIRLMBMAP002_PRIME | 2014-169T18:28:25 | GMB_E205_TITAN_T102+000T05:00:00 | 000T04:00:00 | 2014-169T22:28:25 | Prime | CIRS_205TI_MIRLMBMAP002_PRIME.jpg | CIRS_205TI_MIRLMBMAP002_PRIME.sasf | CIRS_205TI_MIRLMBMAP002_PRIME.sof | CIRS_205TI_MIRLMBMAP002_PRIME.prf | CIRS_205TI_MIRLMBMAP002_PRIME.ck |
| CIRS_205TI_FIRNADCMP002_PRIME | 2014-169T22:28:25 | GMB_E205_TITAN_T102+000T09:00:00 | 000T03:00:00 | 2014-170T01:28:25 | Prime | CIRS_205TI_FIRNADCMP002_PRIME.jpg | CIRS_205TI_FIRNADCMP002_PRIME.sasf | CIRS_205TI_FIRNADCMP002_PRIME.sof | CIRS_205TI_FIRNADCMP002_PRIME.prf | CIRS_205TI_FIRNADCMP002_PRIME.ck |
| CIRS_205TI_MONITORNA002_ISS | 2014-170T01:28:25 | GMB_E205_TITAN_T102+000T12:00:00 | 000T03:05:35 | 2014-170T04:34:00 | SPASS Rider | | | | | |
| CIRS_205TI_M90R3CLD180_ISS | 2014-181T18:33:00 | E205_M90R3CLD180+000T00:00:00 | 000T01:30:00 | 2014-181T20:03:00 | SPASS Rider | | | | | |
| CIRS_206TI_M60R3CLD183_ISS | 2014-183T07:53:00 | E206_M60R3CLD183+000T00:00:00 | 000T01:30:00 | 2014-183T09:23:00 | SPASS Rider | | | | | |
| CIRS_206TI_M60R3CLD184_ISS | 2014-184T07:53:00 | E206_M60R3CLD184+000T00:00:00 | 000T01:30:00 | 2014-184T09:23:00 | SPASS Rider | | | | | |
| CIRS_206TI_TEAFP1001_PRIME | 2014-191T00:00:00 | | 000T13:00:00 | 2014-191T12:00:00 | Prime | CIRS_206TI_TEAFP1001_PRIME.jpg | CIRS_206TI_TEAFP1001_PRIME.sasf | CIRS_206TI_TEAFP1001_PRIME.sof | CIRS_206TI_TEAFP1001_PRIME.prf | CIRS_206TI_TEAFP1001_PRIME.ck |
| CIRS_206TI_TEA002_PRIME | 2014-191T13:00:00 | | 000T13:27:00 | 2014-192T02:27:00 | Prime | CIRS_206TI_TEA002_PRIME.jpg | CIRS_206TI_TEA002_PRIME.sasf | CIRS_206TI_TEA002_PRIME.sof | CIRS_206TI_TEA002_PRIME.prf | CIRS_206TI_TEA002_PRIME.ck |
| CIRS_206TI_TEA003_PRIME | 2014-192T21:57:00 | | 001T13:15:00 | 2014-194T02:12:00 | Prime | CIRS_206TI_TEA003_PRIME.jpg | CIRS_206TI_TEA003_PRIME.sasf | CIRS_206TI_TEA003_PRIME.sof | CIRS_206TI_TEA003_PRIME.prf | CIRS_206TI_TEA003_PRIME.ck |
| CIRS_206TI_MIDIRTMAP001_PRIME | 2014-200T13:20:59 | GMB_E206_TITAN_T103-000T21:19:59 | 000T07:19:59 | 2014-200T20:40:58 | Prime | CIRS_206TI_MIDIRTMAP001_PRIME.jpg | CIRS_206TI_MIDIRTMAP001_PRIME.sasf | CIRS_206TI_MIDIRTMAP001_PRIME.sof | CIRS_206TI_MIDIRTMAP001_PRIME.prf | CIRS_206TI_MIDIRTMAP001_PRIME.ck |
| CIRS_206TI_MONITORNA001_ISS | 2014-200T20:40:58 | GMB_E206_TITAN_T103-000T14:00:00 | 000T02:00:00 | 2014-200T22:40:58 | SPASS Rider | | | | | |
| CIRS_206TI_FIRNADCMP001_PRIME | 2014-200T22:40:58 | GMB_E206_TITAN_T103-000T12:00:00 | 000T03:00:00 | 2014-201T01:40:58 | Prime | CIRS_206TI_FIRNADCMP001_PRIME.jpg | CIRS_206TI_FIRNADCMP001_PRIME.sasf | CIRS_206TI_FIRNADCMP001_PRIME.sof | CIRS_206TI_FIRNADCMP001_PRIME.prf | CIRS_206TI_FIRNADCMP001_PRIME.ck |
| CIRS_206TI_MEDRESCO01_VIMS | 2014-201T01:40:58 | GMB_E206_TITAN_T103-000T09:00:00 | 000T04:00:00 | 2014-201T05:40:58 | SPASS Rider | | | | | |
| CIRS_206TI_REGMAP001_VIMS | 2014-201T05:40:58 | GMB_E206_TITAN_T103-000T05:00:00 | 000T02:45:00 | 2014-201T08:25:58 | SPASS Rider | | | | | |
| CIRS_206TI_FIRLMBINT005_PRIME | 2014-201T08:25:58 | GMB_E206_TITAN_T103-000T02:15:00 | 000T01:00:00 | 2014-201T09:25:58 | Prime | CIRS_206TI_FIRLMBINT005_PRIME.jpg | CIRS_206TI_FIRLMBINT005_PRIME.sasf | CIRS_206TI_FIRLMBINT005_PRIME.sof | CIRS_206TI_FIRLMBINT005_PRIME.prf | CIRS_206TI_FIRLMBINT005_PRIME.ck |
| CIRS_206TI_FIRLMAER001_PRIME | 2014-201T09:25:58 | GMB_E206_TITAN_T103-000T01:15:00 | 000T00:30:00 | 2014-201T09:55:58 | Prime | CIRS_206TI_FIRLMAER001_PRIME.jpg | CIRS_206TI_FIRLMAER001_PRIME.sasf | CIRS_206TI_FIRLMAER001_PRIME.sof | CIRS_206TI_FIRLMAER001_PRIME.prf | CIRS_206TI_FIRLMAER001_PRIME.ck |
| CIRS_206TI_SUNOCC001_UVIS | 2014-201T09:55:58 | GMB_E206_TITAN_T103-000T00:45:00 | 000T01:16:00 | 2014-201T11:11:58 | SPASS Rider | | | | | |
| CIRS_206TI_TURN001_SP | 2014-201T11:11:58 | GMB_E206_TITAN_T103+000T03:11:00 | 000T00:19:00 | 2014-201T11:30:58 | SPASS Rider | | | | | |
| CIRS_206TI_ALPERIT001_UVIS | 2014-201T11:30:58 | GMB_E206_TITAN_T103+000T05:00:00 | 000T02:10:00 | 2014-201T13:40:58 | SPASS Rider | | | | | |
| CIRS_206TI_FIRNADMAP002_PRIME | 2014-201T13:40:58 | GMB_E206_TITAN_T103+000T03:00:00 | 000T02:00:00 | 2014-201T15:40:58 | Prime | CIRS_206TI_FIRNADMAP002_PRIME.jpg | CIRS_206TI_FIRNADMAP002_PRIME.sasf | CIRS_206TI_FIRNADMAP002_PRIME.sof | CIRS_206TI_FIRNADMAP002_PRIME.prf | CIRS_206TI_FIRNADMAP002_PRIME.ck |
| CIRS_206TI_MIRLMBINT002_PRIME | 2014-201T15:40:58 | GMB_E206_TITAN_T103+000T05:00:00 | 000T04:00:00 | 2014-201T19:40:58 | Prime | CIRS_206TI_MIRLMBINT002_PRIME.jpg | CIRS_206TI_MIRLMBINT002_PRIME.sasf | CIRS_206TI_MIRLMBINT002_PRIME.sof | CIRS_206TI_MIRLMBINT002_PRIME.prf | CIRS_206TI_MIRLMBINT002_PRIME.ck |
| CIRS_206TI_FIRNADCMP002_PRIME | 2014-201T19:40:58 | GMB_E206_TITAN_T103+000T09:00:00 | 000T03:00:00 | 2014-201T22:40:58 | Prime | CIRS_206TI_FIRNADCMP002_PRIME.jpg | CIRS_206TI_FIRNADCMP002_PRIME.sasf | CIRS_206TI_FIRNADCMP002_PRIME.sof | CIRS_206TI_FIRNADCMP002_PRIME.prf | CIRS_206TI_FIRNADCMP002_PRIME.ck |
| CIRS_206TI_MONITORNA002_ISS | 2014-201T22:40:58 | GMB_E206_TITAN_T103+000T12:00:00 | 000T03:19:00 | 2014-202T01:59:58 | SPASS Rider | | | | | |
| CIRS_206TI_CLOUD001_ISS | 2014-202T18:05:00 | | 000T05:00:00 | 2014-202T23:00:00 | SPASS Rider | | | | | |
| CIRS_206TI_CLOUD002_ISS | 2014-202T23:00:00 | | 000T05:00:00 | 2014-203T04:05:00 | SPASS Rider | | | | | |
| CIRS_206TI_CLOUD003_ISS | 2014-203T04:05:00 | | 000T04:00:00 | 2014-203T08:05:00 | SPASS Rider | | | | | |
| CIRS_206TI_CLOUD004_ISS | 2014-203T08:05:00 | | 000T04:00:00 | 2014-203T12:05:00 | SPASS Rider | | | | | |
| CIRS_206TI_CLOUD005_ISS | 2014-203T12:05:00 | | 000T03:25:00 | 2014-203T15:30:00 | SPASS Rider | | | | | |
| CIRS_206TI_CLOUD006_ISS | 2014-203T17:30:00 | | 000T01:00:00 | 2014-203T18:30:00 | SPASS Rider | | | | | |
| CIRS_206TI_M90R3CLD212_ISS | 2014-212T07:25:00 | E206_M90R3CLD212+000T00:00:00 | 000T01:30:00 | 2014-212T08:55:00 | SPASS Rider | | | | | |
| CIRS_206TI_M90R3CLD214_ISS | 2014-214T05:49:00 | E206_M90R3CLD214+000T00:00:00 | 000T01:30:00 | 2014-214T07:19:00 | SPASS Rider | | | | | |
| CIRS_207TI_M60R3CLD216_ISS | 2014-216T05:34:00 | E207_M60R3CLD216+000T00:00:00 | 000T01:30:00 | 2014-216T07:04:00 | SPASS Rider | | | | | |
| CIRS_207TI_M30R1CLD225_ISS | 2014-225T05:15:00 | E207_M30R1CLD225+000T00:00:00 | 000T02:00:00 | 2014-225T07:15:00 | SPASS Rider | | | | | |
| CIRS_207TI_M60R1CLD227_ISS | 2014-227T04:55:00 | E207_M60R1CLD227+000T00:00:00 | 000T02:00:00 | 2014-227T06:55:00 | SPASS Rider | | | | | |
| CIRS_207TI_MIDIRTMAP001_PRIME | 2014-232T11:15:59 | GMB_E207_TITAN_T104-000T20:53:10 | 000T06:53:10 | 2014-232T18:09:09 | Prime | CIRS_207TI_MIDIRTMAP001_PRIME.jpg | CIRS_207TI_MIDIRTMAP001_PRIME.sasf | CIRS_207TI_MIDIRTMAP001_PRIME.sof | CIRS_207TI_MIDIRTMAP001_PRIME.prf | CIRS_207TI_MIDIRTMAP001_PRIME.ck |
| CIRS_207TI_MONITORNA001_ISS | 2014-232T18:09:09 | GMB_E207_TITAN_T104-000T14:00:00 | 000T02:00:00 | 2014-232T20:09:09 | SPASS Rider | | | | | |
| CIRS_207TI_FIRNADCMP001_PRIME | 2014-232T20:09:09 | GMB_E207_TITAN_T104-000T12:00:00 | 000T03:00:00 | 2014-232T23:09:09 | Prime | CIRS_207TI_FIRNADCMP001_PRIME.jpg | CIRS_207TI_FIRNADCMP001_PRIME.sasf | CIRS_207TI_FIRNADCMP001_PRIME.sof | CIRS_207TI_FIRNADCMP001_PRIME.prf | CIRS_207TI_FIRNADCMP001_PRIME.ck |
| CIRS_207TI_MEDRESCO01_VIMS | 2014-232T23:09:09 | GMB_E207_TITAN_T104-000T09:00:00 | 000T03:00:00 | 2014-233T02:09:09 | SPASS Rider | | | | | |
| CIRS_207TI_REGMAP001_VIMS | 2014-233T09:09:18 | GMB_E207_TITAN_T104-000T01:00:09 | 000T01:14:51 | 2014-233T14:24:09 | SPASS Rider | | | | | |
| CIRS_207TI_REGMAP002_VIMS | 2014-233T10:24:09 | GMB_E207_TITAN_T104+000T02:15:00 | 000T02:45:00 | 2014-233T13:09:09 | SPASS Rider | | | | | |

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|--------------------------------|-------------------|----------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_213TI_FIRLMBBAER002_PRIME | 2015-075T14:59:49 | GMB_E213_TITAN_T110+000T0:30:00 | 000T00:45:00 | 2015-075T15:44:49 | Prime | CIRS_213TI_FIRLMBBAER002_PRIME.jpg | CIRS_213TI_FIRLMBBAER002_PRIME.sasf | CIRS_213TI_FIRLMBBAER002_PRIME.sof | CIRS_213TI_FIRLMBBAER002_PRIME.prf | CIRS_213TI_FIRLMBBAER002_PRIME.psf | CIRS_213TI_FIRLMBBAER002_PRIME.ck |
| CIRS_213TI_FIRLMBINT002_PRIME | 2015-075T15:44:49 | GMB_E213_TITAN_T110+000T0:15:00 | 000T01:00:00 | 2015-075T16:44:49 | Prime | CIRS_213TI_FIRLMBINT002_PRIME.jpg | CIRS_213TI_FIRLMBINT002_PRIME.sasf | CIRS_213TI_FIRLMBINT002_PRIME.sof | CIRS_213TI_FIRLMBINT002_PRIME.prf | CIRS_213TI_FIRLMBINT002_PRIME.psf | CIRS_213TI_FIRLMBINT002_PRIME.ck |
| CIRS_213TI_FIRNADMAP002_PRIME | 2015-075T16:44:49 | GMB_E213_TITAN_T110+000T0:25:00 | 000T02:45:00 | 2015-075T19:29:49 | Prime | CIRS_213TI_FIRNADMAP002_PRIME.jpg | CIRS_213TI_FIRNADMAP002_PRIME.sasf | CIRS_213TI_FIRNADMAP002_PRIME.sof | CIRS_213TI_FIRNADMAP002_PRIME.prf | CIRS_213TI_FIRNADMAP002_PRIME.psf | CIRS_213TI_FIRNADMAP002_PRIME.ck |
| CIRS_213TI_MIRLMBINT002_PRIME | 2015-075T19:29:49 | GMB_E213_TITAN_T110+000T05:00:00 | 000T04:00:00 | 2015-075T23:29:49 | Prime | CIRS_213TI_MIRLMBINT002_PRIME.jpg | CIRS_213TI_MIRLMBINT002_PRIME.sasf | CIRS_213TI_MIRLMBINT002_PRIME.sof | CIRS_213TI_MIRLMBINT002_PRIME.prf | CIRS_213TI_MIRLMBINT002_PRIME.psf | CIRS_213TI_MIRLMBINT002_PRIME.ck |
| CIRS_213TI_FIRNADCMP002_PRIME | 2015-075T23:29:49 | GMB_E213_TITAN_T110+000T09:00:00 | 000T04:00:00 | 2015-076T03:29:49 | Prime | CIRS_213TI_FIRNADCMP002_PRIME.jpg | CIRS_213TI_FIRNADCMP002_PRIME.sasf | CIRS_213TI_FIRNADCMP002_PRIME.sof | CIRS_213TI_FIRNADCMP002_PRIME.prf | CIRS_213TI_FIRNADCMP002_PRIME.psf | CIRS_213TI_FIRNADCMP002_PRIME.ck |
| CIRS_213TI_MIDIRTMAP002_PRIME | 2015-076T03:29:49 | GMB_E213_TITAN_T110+000T13:00:00 | 000T08:30:11 | 2015-076T12:00:00 | Prime | CIRS_213TI_MIDIRTMAP002_PRIME.jpg | CIRS_213TI_MIDIRTMAP002_PRIME.sasf | CIRS_213TI_MIDIRTMAP002_PRIME.sof | CIRS_213TI_MIDIRTMAP002_PRIME.prf | CIRS_213TI_MIDIRTMAP002_PRIME.psf | CIRS_213TI_MIDIRTMAP002_PRIME.ck |
| CIRS_214TI_M120R2HZ094_ISS | 2015-094T07:08:00 | E214_M120R2HZ094+000T00:00:00 | 000T01:30:00 | 2015-094T08:38:00 | SPASS Rider | | | | | | |
| CIRS_214TI_M150R2HZ096_ISS | 2015-095T13:05:00 | E214_M150R2HZ096+000T00:00:00 | 000T01:30:00 | 2015-095T14:35:00 | SPASS Rider | | | | | | |
| CIRS_214TI_M150R2HZ097_ISS | 2015-097T21:08:00 | E214_M150R2HZ097+000T00:00:00 | 000T01:30:00 | 2015-097T22:38:00 | SPASS Rider | | | | | | |
| CIRS_214TI_M150R2HZ099_ISS | 2015-098T22:38:00 | E214_M150R2HZ099+000T00:00:00 | 000T01:30:00 | 2015-099T00:08:00 | SPASS Rider | | | | | | |
| CIRS_214TI_M150R2HZ107_ISS | 2015-107T20:14:00 | E214_M150R2HZ107+000T00:00:00 | 000T01:30:00 | 2015-107T21:44:00 | SPASS Rider | | | | | | |
| CIRS_214TI_M150R2HZ108_ISS | 2015-108T20:14:00 | E214_M150R2HZ108+000T00:00:00 | 000T01:30:00 | 2015-108T21:44:00 | SPASS Rider | | | | | | |
| CIRS_214TI_M180R2HZ109_ISS | 2015-109T20:14:00 | E214_M180R2HZ109+000T00:00:00 | 000T01:30:00 | 2015-109T21:44:00 | SPASS Rider | | | | | | |
| CIRS_215TI_M90R3CLLD123_ISS | 2015-123T19:15:00 | E215_M90R3CLLD123+000T00:00:00 | 000T01:30:00 | 2015-123T20:45:00 | SPASS Rider | | | | | | |
| CIRS_215TI_M90R2CLLD124_ISS | 2015-124T19:10:00 | E215_M90R2CLLD124+000T00:00:00 | 000T01:30:00 | 2015-124T20:40:00 | SPASS Rider | | | | | | |
| CIRS_215TI_M90R1CLD125_ISS | 2015-125T19:10:00 | E215_M90R1CLD125+000T00:00:00 | 000T02:00:00 | 2015-125T21:10:00 | SPASS Rider | | | | | | |
| CIRS_215TI_MIDIRTMAP001_PRIME | 2015-127T05:09:59 | GMB_E215_TITAN_T111+000T17:40:25 | 000T04:40:25 | 2015-127T09:50:24 | Prime | CIRS_215TI_MIDIRTMAP001_PRIME.jpg | CIRS_215TI_MIDIRTMAP001_PRIME.sasf | CIRS_215TI_MIDIRTMAP001_PRIME.sof | CIRS_215TI_MIDIRTMAP001_PRIME.prf | CIRS_215TI_MIDIRTMAP001_PRIME.psf | CIRS_215TI_MIDIRTMAP001_PRIME.ck |
| CIRS_215TI_FIRNADCMP001_PRIME | 2015-127T09:50:24 | GMB_E215_TITAN_T111+000T13:00:00 | 000T04:00:00 | 2015-127T13:50:24 | Prime | CIRS_215TI_FIRNADCMP001_PRIME.jpg | CIRS_215TI_FIRNADCMP001_PRIME.sasf | CIRS_215TI_FIRNADCMP001_PRIME.sof | CIRS_215TI_FIRNADCMP001_PRIME.prf | CIRS_215TI_FIRNADCMP001_PRIME.psf | CIRS_215TI_FIRNADCMP001_PRIME.ck |
| CIRS_215TI_MEDRES001_VIMS | 2015-127T13:50:24 | GMB_E215_TITAN_T111+000T09:00:00 | 000T04:00:00 | 2015-127T17:50:24 | SPASS Rider | | | | | | |
| CIRS_215TI_REGMAP001_VIMS | 2015-127T17:50:24 | GMB_E215_TITAN_T111+000T05:00:00 | 000T02:45:00 | 2015-127T20:35:24 | SPASS Rider | | | | | | |
| CIRS_215TI_HIRES001_VIMS | 2015-127T20:35:24 | GMB_E215_TITAN_T111+000T02:15:00 | 000T02:25:00 | 2015-127T23:00:24 | SPASS Rider | | | | | | |
| CIRS_215TI_FIRLMBT002_PRIME | 2015-127T23:00:24 | GMB_E215_TITAN_T111+000T00:10:00 | 000T00:35:00 | 2015-127T23:35:24 | Prime | CIRS_215TI_FIRLMBT002_PRIME.jpg | CIRS_215TI_FIRLMBT002_PRIME.sasf | CIRS_215TI_FIRLMBT002_PRIME.sof | CIRS_215TI_FIRLMBT002_PRIME.prf | CIRS_215TI_FIRLMBT002_PRIME.psf | CIRS_215TI_FIRLMBT002_PRIME.ck |
| CIRS_215TI_FIRLMBBAER003_PRIME | 2015-127T23:35:24 | GMB_E215_TITAN_T111+000T00:45:00 | 000T00:30:00 | 2015-128T00:05:24 | Prime | CIRS_215TI_FIRLMBBAER003_PRIME.jpg | CIRS_215TI_FIRLMBBAER003_PRIME.sasf | CIRS_215TI_FIRLMBBAER003_PRIME.sof | CIRS_215TI_FIRLMBBAER003_PRIME.prf | CIRS_215TI_FIRLMBBAER003_PRIME.psf | CIRS_215TI_FIRLMBBAER003_PRIME.ck |
| CIRS_215TI_FIRLMBINT002_PRIME | 2015-128T00:05:24 | GMB_E215_TITAN_T111+000T01:15:00 | 000T01:00:00 | 2015-128T01:06:24 | Prime | CIRS_215TI_FIRLMBINT002_PRIME.jpg | CIRS_215TI_FIRLMBINT002_PRIME.sasf | CIRS_215TI_FIRLMBINT002_PRIME.sof | CIRS_215TI_FIRLMBINT002_PRIME.prf | CIRS_215TI_FIRLMBINT002_PRIME.psf | CIRS_215TI_FIRLMBINT002_PRIME.ck |
| CIRS_215TI_FIRNADMAP002_PRIME | 2015-128T01:05:24 | GMB_E215_TITAN_T111+000T02:15:00 | 000T02:45:00 | 2015-128T03:50:24 | Prime | CIRS_215TI_FIRNADMAP002_PRIME.jpg | CIRS_215TI_FIRNADMAP002_PRIME.sasf | CIRS_215TI_FIRNADMAP002_PRIME.sof | CIRS_215TI_FIRNADMAP002_PRIME.prf | CIRS_215TI_FIRNADMAP002_PRIME.psf | CIRS_215TI_FIRNADMAP002_PRIME.ck |
| CIRS_215TI_MIRLMBMAP002_PRIME | 2015-128T03:50:24 | GMB_E215_TITAN_T111+000T05:00:00 | 000T04:00:00 | 2015-128T07:50:24 | Prime | CIRS_215TI_MIRLMBMAP002_PRIME.jpg | CIRS_215TI_MIRLMBMAP002_PRIME.sasf | CIRS_215TI_MIRLMBMAP002_PRIME.sof | CIRS_215TI_MIRLMBMAP002_PRIME.prf | CIRS_215TI_MIRLMBMAP002_PRIME.psf | CIRS_215TI_MIRLMBMAP002_PRIME.ck |
| CIRS_215TI_FIRNADCMP002_PRIME | 2015-128T07:50:24 | GMB_E215_TITAN_T111+000T09:00:00 | 000T04:00:00 | 2015-128T11:50:24 | Prime | CIRS_215TI_FIRNADCMP002_PRIME.jpg | CIRS_215TI_FIRNADCMP002_PRIME.sasf | CIRS_215TI_FIRNADCMP002_PRIME.sof | CIRS_215TI_FIRNADCMP002_PRIME.prf | CIRS_215TI_FIRNADCMP002_PRIME.psf | CIRS_215TI_FIRNADCMP002_PRIME.ck |
| CIRS_215TI_MIDIRTMAP002_PRIME | 2015-128T11:50:24 | GMB_E215_TITAN_T111+000T13:00:00 | 000T05:29:35 | 2015-128T17:19:59 | Prime | CIRS_215TI_MIDIRTMAP002_PRIME.jpg | CIRS_215TI_MIDIRTMAP002_PRIME.sasf | CIRS_215TI_MIDIRTMAP002_PRIME.sof | CIRS_215TI_MIDIRTMAP002_PRIME.prf | CIRS_215TI_MIDIRTMAP002_PRIME.psf | CIRS_215TI_MIDIRTMAP002_PRIME.ck |
| CIRS_216TI_M120R2HZ140_ISS | 2015-140T18:10:00 | E216_M120R2HZ140+000T00:00:00 | 000T01:30:00 | 2015-140T19:40:00 | SPASS Rider | | | | | | |
| CIRS_216TI_M150R2HZ149_ISS | 2015-149T19:15:00 | E216_M150R2HZ149+000T00:00:00 | 000T01:30:00 | 2015-149T20:45:00 | SPASS Rider | | | | | | |
| CIRS_216TI_M120R2HZ155_ISS | 2015-155T10:20:00 | E216_M120R2HZ155+000T00:00:00 | 000T01:30:00 | 2015-155T11:50:00 | SPASS Rider | | | | | | |
| CIRS_217TI_M150R2HZ160_ISS | 2015-160T16:30:00 | E217_M150R2HZ160+000T00:00:00 | 000T01:30:00 | 2015-160T18:00:00 | SPASS Rider | | | | | | |
| CIRS_217TI_M120R2HZ169_ISS | 2015-169T15:29:00 | E217_M120R2HZ169+000T00:00:00 | 000T01:30:00 | 2015-169T16:59:00 | SPASS Rider | | | | | | |
| CIRS_217TI_M120R2HZ170_ISS | 2015-170T15:54:00 | E217_M120R2HZ170+000T00:00:00 | 000T01:30:00 | 2015-170T17:24:00 | SPASS Rider | | | | | | |
| CIRS_218TI_MIDIRTMAP001_PRIME | 2015-187T12:27:00 | GMB_E218_TITAN_T112+000T19:42:51 | 000T06:42:51 | 2015-187T19:09:51 | Prime | CIRS_218TI_MIDIRTMAP001_PRIME.jpg | CIRS_218TI_MIDIRTMAP001_PRIME.sasf | CIRS_218TI_MIDIRTMAP001_PRIME.sof | CIRS_218TI_MIDIRTMAP001_PRIME.prf | CIRS_218TI_MIDIRTMAP001_PRIME.psf | CIRS_218TI_MIDIRTMAP001_PRIME.ck |
| CIRS_218TI_FIRNADCMP001_PRIME | 2015-187T19:09:51 | GMB_E218_TITAN_T112+000T13:00:00 | 000T04:00:00 | 2015-187T23:09:51 | Prime | CIRS_218TI_FIRNADCMP001_PRIME.jpg | CIRS_218TI_FIRNADCMP001_PRIME.sasf | CIRS_218TI_FIRNADCMP001_PRIME.sof | CIRS_218TI_FIRNADCMP001_PRIME.prf | CIRS_218TI_FIRNADCMP001_PRIME.psf | CIRS_218TI_FIRNADCMP001_PRIME.ck |
| CIRS_218TI_GLOBMAP001_ISS | 2015-187T23:09:51 | GMB_E218_TITAN_T112+000T09:00:00 | 000T04:00:00 | 2015-188T03:09:51 | SPASS Rider | | | | | | |
| CIRS_218TI_REGMAP001_ISS | 2015-188T03:09:51 | GMB_E218_TITAN_T112+000T05:00:00 | 000T02:45:00 | 2015-188T05:54:51 | SPASS Rider | | | | | | |
| CIRS_218TI_FIRLMBINT001_PRIME | 2015-188T05:54:51 | GMB_E218_TITAN_T112+000T02:15:00 | 000T01:00:00 | 2015-188T06:54:51 | Prime | CIRS_218TI_FIRLMBINT001_PRIME.jpg | CIRS_218TI_FIRLMBINT001_PRIME.sasf | CIRS_218TI_FIRLMBINT001_PRIME.sof | CIRS_218TI_FIRLMBINT001_PRIME.prf | CIRS_218TI_FIRLMBINT001_PRIME.psf | CIRS_218TI_FIRLMBINT001_PRIME.ck |
| CIRS_218TI_FIRLMBBAER001_PRIME | 2015-188T06:54:51 | GMB_E218_TITAN_T112+000T01:15:00 | 000T03:00:00 | 2015-188T07:24:51 | Prime | CIRS_218TI_FIRLMBBAER001_PRIME.jpg | CIRS_218TI_FIRLMBBAER001_PRIME.sasf | CIRS_218TI_FIRLMBBAER001_PRIME.sof | CIRS_218TI_FIRLMBBAER001_PRIME.prf | CIRS_218TI_FIRLMBBAER001_PRIME.psf | CIRS_218TI_FIRLMBBAER001_PRIME.ck |
| CIRS_218TI_FIRLMBINT001_PRIME | 2015-188T07:24:51 | GMB_E218_TITAN_T112+000T00:45:00 | 000T00:45:00 | 2015-188T08:09:51 | Prime | CIRS_218TI_FIRLMBINT001_PRIME.jpg | CIRS_218TI_FIRLMBINT001_PRIME.sasf | CIRS_218TI_FIRLMBINT001_PRIME.sof | CIRS_218TI_FIRLMBINT001_PRIME.prf | CIRS_218TI_FIRLMBINT001_PRIME.psf | CIRS_218TI_FIRLMBINT001_PRIME.ck |
| CIRS_218TI_FIRLMBT002_PRIME | 2015-188T08:09:51 | GMB_E218_TITAN_T112+000T00:45:00 | 000T00:45:00 | 2015-188T08:54:51 | Prime | CIRS_218TI_FIRLMBT002_PRIME.jpg | CIRS_218TI_FIRLMBT002_PRIME.sasf | CIRS_218TI_FIRLMBT002_PRIME.sof | CIRS_218TI_FIRLMBT002_PRIME.prf | CIRS_218TI_FIRLMBT002_PRIME.psf | CIRS_218TI_FIRLMBT002_PRIME.ck |
| CIRS_218TI_FIRLMBBAER002_PRIME | 2015-188T08:54:51 | GMB_E218_TITAN_T112+000T00:45:00 | 000T00:30:00 | 2015-188T09:24:51 | Prime | CIRS_218TI_FIRLMBBAER002_PRIME.jpg | CIRS_218TI_FIRLMBBAER002_PRIME.sasf | CIRS_218TI_FIRLMBBAER002_PRIME.sof | CIRS_218TI_FIRLMBBAER002_PRIME.prf | CIRS_218TI_FIRLMBBAER002_PRIME.psf | CIRS_218TI_FIRLMBBAER002_PRIME.ck |
| CIRS_218TI_FIRLMBINT002_PRIME | 2015-188T09:24:51 | GMB_E218_TITAN_T112+000T01:15:00 | 000T01:00:00 | 2015-188T10:24:51 | Prime | CIRS_218TI_FIRLMBINT002_PRIME.jpg | CIRS_218TI_FIRLMBINT002_PRIME.sasf | CIRS_218TI_FIRLMBINT002_PRIME.sof | CIRS_218TI_FIRLMBINT002_PRIME.prf | CIRS_218TI_FIRLMBINT002_PRIME.psf | CIRS_218TI_FIRLMBINT002_PRIME.ck |
| CIRS_218TI_FIRNADMAP002_PRIME | 2015-188T10:24:51 | GMB_E218_TITAN_T112+000T02:15:00 | 000T02:45:00 | 2015-188T13:09:51 | Prime | CIRS_218TI_FIRNADMAP002_PRIME.jpg | CIRS_218TI_FIRNADMAP002_PRIME.sasf | CIRS_218TI_FIRNADMAP002_PRIME.sof | CIRS_218TI_FIRNADMAP002_PRIME.prf | CIRS_218TI_FIRNADMAP002_PRIME.psf | CIRS_218TI_FIRNADMAP002_PRIME.ck |

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|-------------------------------|-------------------|----------------------------------|--------------|-------------------|-------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| CIRS_232TI_MIRLMBINT001_PRIME | 2016-047T14:49:41 | GMB_E232_TITAN_T117-000T09:00:00 | 000T04:00:00 | 2016-047T18:49:41 | Prime | CIRS_232TI_MIRLMBINT001_PRIME.jpg | CIRS_232TI_MIRLMBINT001_PRIME.sasf | CIRS_232TI_MIRLMBINT001_PRIME.sof | CIRS_232TI_MIRLMBINT001_PRIME.prf | CIRS_232TI_MIRLMBINT001_PRIME.psf | CIRS_232TI_MIRLMBINT001_PRIME.ck |
| CIRS_232TI_REGMAP001_VIMS | 2016-047T18:49:41 | GMB_E232_TITAN_T117-000T05:00:00 | 000T01:34:00 | 2016-047T20:23:41 | SPASS Rider | | | | | | |
| CIRS_232TI_REGMAP002_VIMS | 2016-047T20:24:41 | GMB_E232_TITAN_T117-000T03:25:00 | 000T00:50:00 | 2016-047T21:14:41 | SPASS Rider | | | | | | |
| CIRS_232TI_FIRNADMAP002_PRIME | 2016-048T02:28:41 | GMB_E232_TITAN_T117+000T02:39:00 | 000T02:21:00 | 2016-048T04:49:41 | Prime | CIRS_232TI_FIRNADMAP002_PRIME.jpg | CIRS_232TI_FIRNADMAP002_PRIME.sasf | CIRS_232TI_FIRNADMAP002_PRIME.sof | CIRS_232TI_FIRNADMAP002_PRIME.prf | CIRS_232TI_FIRNADMAP002_PRIME.psf | CIRS_232TI_FIRNADMAP002_PRIME.ck |
| CIRS_232TI_MIRLMBMAP002_PRIME | 2016-048T04:49:41 | GMB_E232_TITAN_T117+000T05:00:00 | 000T04:00:00 | 2016-048T08:49:41 | Prime | CIRS_232TI_MIRLMBMAP002_PRIME.jpg | CIRS_232TI_MIRLMBMAP002_PRIME.sasf | CIRS_232TI_MIRLMBMAP002_PRIME.sof | CIRS_232TI_MIRLMBMAP002_PRIME.prf | CIRS_232TI_MIRLMBMAP002_PRIME.psf | CIRS_232TI_MIRLMBMAP002_PRIME.ck |
| CIRS_232TI_FIRNADCMP002_PRIME | 2016-048T08:49:41 | GMB_E232_TITAN_T117+000T09:00:00 | 000T02:00:00 | 2016-048T10:49:41 | Prime | CIRS_232TI_FIRNADCMP002_PRIME.jpg | CIRS_232TI_FIRNADCMP002_PRIME.sasf | CIRS_232TI_FIRNADCMP002_PRIME.sof | CIRS_232TI_FIRNADCMP002_PRIME.prf | CIRS_232TI_FIRNADCMP002_PRIME.psf | CIRS_232TI_FIRNADCMP002_PRIME.ck |
| CIRS_232TI_MIDIRTMAP002_PRIME | 2016-048T10:49:41 | GMB_E232_TITAN_T117+000T11:00:00 | 000T04:00:19 | 2016-048T14:50:00 | Prime | CIRS_232TI_MIDIRTMAP002_PRIME.jpg | CIRS_232TI_MIDIRTMAP002_PRIME.sasf | CIRS_232TI_MIDIRTMAP002_PRIME.sof | CIRS_232TI_MIDIRTMAP002_PRIME.prf | CIRS_232TI_MIDIRTMAP002_PRIME.psf | CIRS_232TI_MIDIRTMAP002_PRIME.ck |
| CIRS_232TI_CLOUD001_ISS | 2016-049T01:45:00 | | 000T04:00:00 | 2016-049T05:45:00 | SPASS Rider | | | | | | |
| CIRS_232TI_CLOUD002_ISS | 2016-049T05:45:00 | | 000T03:10:00 | 2016-049T08:55:00 | SPASS Rider | | | | | | |
| CIRS_232TI_CLOUD003_ISS | 2016-049T08:55:00 | | 000T01:00:00 | 2016-049T09:55:00 | SPASS Rider | | | | | | |
| CIRS_232TI_CLOUD004_ISS | 2016-049T11:55:00 | | 000T01:00:00 | 2016-049T12:55:00 | SPASS Rider | | | | | | |
| CIRS_233TI_M90R3CLD059_ISS | 2016-059T17:40:00 | E233_M90R3CLD059+000T00:00:00 | 000T01:30:00 | 2016-059T19:10:00 | SPASS Rider | | | | | | |
| CIRS_233TI_M60R3CLD063_ISS | 2016-063T17:30:00 | E233_M60R3CLD063+000T00:00:00 | 000T01:30:00 | 2016-063T19:00:00 | SPASS Rider | | | | | | |
| CIRS_233TI_M30R2CLD065_ISS | 2016-066T00:00:00 | E233_M30R2CLD065+000T00:00:00 | 000T01:30:00 | 2016-066T01:30:00 | SPASS Rider | | | | | | |
| CIRS_233TI_TEAO01_PRIME | 2016-066T16:00:00 | | 000T08:00:00 | 2016-067T00:00:00 | Prime | CIRS_233TI_TEAO01_PRIME.jpg | CIRS_233TI_TEAO01_PRIME.sasf | CIRS_233TI_TEAO01_PRIME.sof | CIRS_233TI_TEAO01_PRIME.prf | CIRS_233TI_TEAO01_PRIME.psf | CIRS_233TI_TEAO01_PRIME.ck |
| CIRS_233TI_M90R2CLD081_ISS | 2016-081T08:14:00 | E233_M90R2CLD081+000T00:00:00 | 000T01:30:00 | 2016-081T09:44:00 | SPASS Rider | | | | | | |
| CIRS_234TI_M120R2HZ083_ISS | 2016-083T16:19:00 | E234_M120R2HZ083+000T00:00:00 | 000T01:30:00 | 2016-083T17:49:00 | SPASS Rider | | | | | | |
| CIRS_234TI_M90R3CLD089_ISS | 2016-089T15:45:00 | E234_M90R3CLD089+000T00:00:00 | 000T01:30:00 | 2016-089T17:15:00 | SPASS Rider | | | | | | |
| CIRS_234TI_M60R3CLD091_ISS | 2016-091T15:51:00 | E234_M60R3CLD091+000T00:00:00 | 000T01:30:00 | 2016-091T17:21:00 | SPASS Rider | | | | | | |
| CIRS_234TI_M60R2CLD092_ISS | 2016-092T22:06:00 | E234_M60R2CLD092+000T00:00:00 | 000T01:30:00 | 2016-092T23:36:00 | SPASS Rider | | | | | | |
| CIRS_234TI_MIDIRTMAP001_PRIME | 2016-094T19:59:00 | GMB_E234_TITAN_T118-000T23:43:42 | 000T09:43:42 | 2016-095T05:42:42 | Prime | CIRS_234TI_MIDIRTMAP001_PRIME.jpg | CIRS_234TI_MIDIRTMAP001_PRIME.sasf | CIRS_234TI_MIDIRTMAP001_PRIME.sof | CIRS_234TI_MIDIRTMAP001_PRIME.prf | CIRS_234TI_MIDIRTMAP001_PRIME.psf | CIRS_234TI_MIDIRTMAP001_PRIME.ck |
| CIRS_234TI_FIRNADCMP001_PRIME | 2016-095T05:42:42 | GMB_E234_TITAN_T118-000T14:00:00 | 000T05:00:00 | 2016-095T10:42:42 | Prime | CIRS_234TI_FIRNADCMP001_PRIME.jpg | CIRS_234TI_FIRNADCMP001_PRIME.sasf | CIRS_234TI_FIRNADCMP001_PRIME.sof | CIRS_234TI_FIRNADCMP001_PRIME.prf | CIRS_234TI_FIRNADCMP001_PRIME.psf | CIRS_234TI_FIRNADCMP001_PRIME.ck |
| CIRS_234TI_EUVFUV001_UVIS | 2016-095T10:42:42 | GMB_E234_TITAN_T118-000T09:00:00 | 000T06:45:00 | 2016-095T17:27:42 | SPASS Rider | | | | | | |
| CIRS_234TI_REGMAP001_ISS | 2016-095T17:27:42 | GMB_E234_TITAN_T118-000T02:15:00 | 000T00:49:00 | 2016-095T18:16:42 | SPASS Rider | | | | | | |
| CIRS_234TI_UTISUNOCC001_UVIS | 2016-095T18:57:42 | GMB_E234_TITAN_T118-000T04:45:00 | 000T00:15:00 | 2016-095T19:12:42 | SPASS Rider | | | | | | |
| CIRS_234TI_UTISUNOCC005_UVIS | 2016-095T19:13:42 | GMB_E234_TITAN_T118-000T00:29:00 | 000T00:38:00 | 2016-095T19:51:42 | SPASS Rider | | | | | | |
| CIRS_234TI_UPFPWBIA505_RIDER | 2016-095T19:51:42 | GMB_E234_TITAN_T118+000T00:09:00 | 000T00:22:00 | 2016-095T20:13:42 | SPASS Rider | | | | | | |
| CIRS_234TI_UTISUNOCC006_UVIS | 2016-095T20:13:42 | GMB_E234_TITAN_T118+000T00:31:00 | 000T00:34:00 | 2016-095T20:47:42 | SPASS Rider | | | | | | |
| CIRS_234TI_FIRLMBCON002_PRIME | 2016-095T20:47:42 | GMB_E234_TITAN_T118+000T01:05:00 | 000T01:10:00 | 2016-095T21:57:42 | Prime | CIRS_234TI_FIRLMBCON002_PRIME.jpg | CIRS_234TI_FIRLMBCON002_PRIME.sasf | CIRS_234TI_FIRLMBCON002_PRIME.sof | CIRS_234TI_FIRLMBCON002_PRIME.prf | CIRS_234TI_FIRLMBCON002_PRIME.psf | CIRS_234TI_FIRLMBCON002_PRIME.ck |
| CIRS_234TI_EUVFUV002_UVIS | 2016-095T21:57:42 | GMB_E234_TITAN_T118+000T02:15:00 | 000T06:45:00 | 2016-096T04:42:42 | SPASS Rider | | | | | | |
| CIRS_234TI_GLOBMAP001_VIMS | 2016-096T04:42:42 | GMB_E234_TITAN_T118+000T00:09:00 | 000T04:00:00 | 2016-096T08:42:42 | SPASS Rider | | | | | | |
| CIRS_234TI_GLOBMAP002_VIMS | 2016-096T08:42:42 | GMB_E234_TITAN_T118+000T13:00:00 | 000T03:48:18 | 2016-096T12:31:00 | SPASS Rider | | | | | | |
| CIRS_234TI_M150R2HZ098_ISS | 2016-098T21:30:00 | E234_M150R2HZ098+000T00:00:00 | 000T01:30:00 | 2016-098T23:00:00 | SPASS Rider | | | | | | |
| CIRS_234TI_M90R3CLD107_ISS | 2016-107T14:30:00 | E234_M90R3CLD107+000T00:00:00 | 000T01:30:00 | 2016-107T16:00:00 | SPASS Rider | | | | | | |
| CIRS_235TI_M60R3CLD110_ISS | 2016-110T14:28:00 | E235_M60R3CLD110+000T00:00:00 | 000T01:30:00 | 2016-110T15:58:00 | SPASS Rider | | | | | | |
| CIRS_235TI_M60R3CLD112_ISS | 2016-112T14:23:00 | E235_M60R3CLD112+000T00:00:00 | 000T01:30:00 | 2016-112T15:53:00 | SPASS Rider | | | | | | |
| CIRS_235TI_M60R3CLD114_ISS | 2016-114T20:53:00 | E235_M60R3CLD114+000T00:00:00 | 000T01:30:00 | 2016-114T22:23:00 | SPASS Rider | | | | | | |
| CIRS_235TI_M90R3CLD118_ISS | 2016-118T14:08:00 | E235_M90R3CLD118+000T00:00:00 | 000T01:30:00 | 2016-118T15:38:00 | SPASS Rider | | | | | | |
| CIRS_235TI_M60R3CLD121_ISS | 2016-121T13:40:00 | E235_M60R3CLD121+000T00:00:00 | 000T01:30:00 | 2016-121T15:10:00 | SPASS Rider | | | | | | |
| CIRS_235TI_M60R3CLD123_ISS | 2016-123T13:35:00 | E235_M60R3CLD123+000T00:00:00 | 000T01:30:00 | 2016-123T15:05:00 | SPASS Rider | | | | | | |
| CIRS_235TI_MIDIRTMAP001_PRIME | 2016-126T20:09:00 | GMB_E235_TITAN_T119-000T20:45:37 | 000T06:45:37 | 2016-127T02:54:37 | Prime | CIRS_235TI_MIDIRTMAP001_PRIME.jpg | CIRS_235TI_MIDIRTMAP001_PRIME.sasf | CIRS_235TI_MIDIRTMAP001_PRIME.sof | CIRS_235TI_MIDIRTMAP001_PRIME.prf | CIRS_235TI_MIDIRTMAP001_PRIME.psf | CIRS_235TI_MIDIRTMAP001_PRIME.ck |
| CIRS_235TI_MONITORA001_ISS | 2016-127T02:54:37 | GMB_E235_TITAN_T119-000T14:00:00 | 000T02:00:00 | 2016-127T04:54:37 | SPASS Rider | | | | | | |
| CIRS_235TI_FIRNADCMP001_PRIME | 2016-127T04:54:37 | GMB_E235_TITAN_T119-000T12:00:00 | 000T03:00:00 | 2016-127T07:54:37 | Prime | CIRS_235TI_FIRNADCMP001_PRIME.jpg | CIRS_235TI_FIRNADCMP001_PRIME.sasf | CIRS_235TI_FIRNADCMP001_PRIME.sof | CIRS_235TI_FIRNADCMP001_PRIME.prf | CIRS_235TI_FIRNADCMP001_PRIME.psf | CIRS_235TI_FIRNADCMP001_PRIME.ck |
| CIRS_235TI_MIRLMBMAP001_PRIME | 2016-127T07:54:37 | GMB_E235_TITAN_T119-000T09:00:00 | 000T04:00:00 | 2016-127T11:54:37 | Prime | CIRS_235TI_MIRLMBMAP001_PRIME.jpg | CIRS_235TI_MIRLMBMAP001_PRIME.sasf | CIRS_235TI_MIRLMBMAP001_PRIME.sof | CIRS_235TI_MIRLMBMAP001_PRIME.prf | CIRS_235TI_MIRLMBMAP001_PRIME.psf | CIRS_235TI_MIRLMBMAP001_PRIME.ck |
| CIRS_235TI_FIRNADMAP001_PRIME | 2016-127T11:54:37 | GMB_E235_TITAN_T119-000T05:00:00 | 000T02:42:00 | 2016-127T14:36:37 | Prime | CIRS_235TI_FIRNADMAP001_PRIME.jpg | CIRS_235TI_FIRNADMAP001_PRIME.sasf | CIRS_235TI_FIRNADMAP001_PRIME.sof | CIRS_235TI_FIRNADMAP001_PRIME.prf | CIRS_235TI_FIRNADMAP001_PRIME.psf | CIRS_235TI_FIRNADMAP001_PRIME.ck |

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|--------------------------------|-------------------|----------------------------------|--------------|-------------------|-------------|------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-----------------------------------|
| CIRS_235TI_FIRLMBINT001_PRIME | 2016-12TT14:37:37 | GMB_E235_TITAN_T119+000T02:17:00 | 000T01:02:00 | 2016-12TT15:39:37 | Prime | CIRS_235TI_FIRLMBINT001_PRIME.jpg | CIRS_235TI_FIRLMBINT001_PRIME.sasf | CIRS_235TI_FIRLMBINT001_PRIME.sof | CIRS_235TI_FIRLMBINT001_PRIME.pef | CIRS_235TI_FIRLMBINT001_PRIME.ck |
| CIRS_235TI_FIRLMBAAER001_PRIME | 2016-12TT15:39:37 | GMB_E235_TITAN_T119+000T01:15:00 | 000T00:30:00 | 2016-12TT16:09:37 | Prime | CIRS_235TI_FIRLMBAAER001_PRIME.jpg | CIRS_235TI_FIRLMBAAER001_PRIME.sasf | CIRS_235TI_FIRLMBAAER001_PRIME.sof | CIRS_235TI_FIRLMBAAER001_PRIME.pef | CIRS_235TI_FIRLMBAAER001_PRIME.ck |
| CIRS_235TI_FIRLMBT001_PRIME | 2016-12TT16:09:37 | GMB_E235_TITAN_T119+000T00:45:00 | 000T00:30:00 | 2016-12TT16:39:37 | Prime | CIRS_235TI_FIRLMBT001_PRIME.jpg | CIRS_235TI_FIRLMBT001_PRIME.sasf | CIRS_235TI_FIRLMBT001_PRIME.sof | CIRS_235TI_FIRLMBT001_PRIME.pef | CIRS_235TI_FIRLMBT001_PRIME.ck |
| CIRS_235TI RIDER001_INMS | 2016-12TT16:39:37 | GMB_E235_TITAN_T119+000T00:15:00 | 000T00:23:39 | 2016-12TT17:03:16 | SPASS Rider | | | | | |
| CIRS_235TI RIDER002 RSS | 2016-12TT17:03:16 | GMB_E235_TITAN_T119+000T00:08:39 | 000T02:01:21 | 2016-12TT19:04:37 | SPASS Rider | | | | | |
| CIRS_235TI RIDER002 ENGR | 2016-12TT19:04:37 | GMB_E235_TITAN_T119+000T02:10:00 | 000T00:22:00 | 2016-12TT19:26:37 | SPASS Rider | | | | | |
| CIRS_235TI RIDER002 VIMS | 2016-12TT19:26:37 | GMB_E235_TITAN_T119+000T02:32:00 | 000T02:28:00 | 2016-12TT21:54:37 | SPASS Rider | | | | | |
| CIRS_235TI RIDER003 VIMS | 2016-12TT21:54:37 | GMB_E235_TITAN_T119+000T05:00:00 | 000T04:00:00 | 2016-12TT01:54:37 | SPASS Rider | | | | | |
| CIRS_235TI_FIRNADCMP002_PRIME | 2016-12TT01:54:37 | GMB_E235_TITAN_T119+000T09:00:00 | 000T04:00:00 | 2016-12TT05:54:37 | Prime | CIRS_235TI_FIRNADCMP002_PRIME.jpg | CIRS_235TI_FIRNADCMP002_PRIME.sasf | CIRS_235TI_FIRNADCMP002_PRIME.sof | CIRS_235TI_FIRNADCMP002_PRIME.pef | CIRS_235TI_FIRNADCMP002_PRIME.ck |
| CIRS_235TI_MIDIRTMAP002_PRIME | 2016-12TT05:54:37 | GMB_E235_TITAN_T119+000T13:00:00 | 000T03:24:23 | 2016-12TT09:19:00 | Prime | CIRS_235TI_MIDIRTMAP002_PRIME.jpg | CIRS_235TI_MIDIRTMAP002_PRIME.sasf | CIRS_235TI_MIDIRTMAP002_PRIME.sof | CIRS_235TI_MIDIRTMAP002_PRIME.pef | CIRS_235TI_MIDIRTMAP002_PRIME.ck |
| CIRS_235TI_M90R3CLD137_ISS | 2016-13TT18:30:00 | E235_M90R3CLD137+000T00:00:00 | 000T02:00:00 | 2016-13TT20:30:00 | SPASS Rider | | | | | |
| CIRS_235TI_M60R3CLD140_ISS | 2016-14TT12:25:00 | E235_M60R3CLD140+000T00:00:00 | 000T01:30:00 | 2016-14TT12:55:00 | SPASS Rider | | | | | |
| CIRS_236TI_M60R3CLD142_ISS | 2016-14TT21:25:00 | E236_M60R3CLD142+000T00:00:00 | 000T01:30:00 | 2016-14TT13:55:00 | SPASS Rider | | | | | |
| CIRS_236TI_M30R2CLD155_ISS | 2016-15TT01:00:00 | E236_M30R2CLD155+000T00:00:00 | 000T01:30:00 | 2016-15TT02:30:00 | SPASS Rider | | | | | |
| CIRS_236TI_M60R2CLD156_ISS | 2016-15TT17:55:00 | E236_M60R2CLD156+000T00:00:00 | 000T01:30:00 | 2016-15TT19:25:00 | SPASS Rider | | | | | |
| CIRS_236TI_FIRNADCMP001_PRIME | 2016-15TT03:33:39 | GMB_E236_TITAN_T120+000T10:32:38 | 000T01:32:38 | 2016-15TT05:06:17 | Prime | CIRS_236TI_FIRNADCMP001_PRIME.jpg | CIRS_236TI_FIRNADCMP001_PRIME.sasf | CIRS_236TI_FIRNADCMP001_PRIME.sof | CIRS_236TI_FIRNADCMP001_PRIME.pef | CIRS_236TI_FIRNADCMP001_PRIME.ck |
| CIRS_236TI_MIRLMBINT001_PRIME | 2016-15TT05:06:17 | GMB_E236_TITAN_T120+000T09:00:00 | 000T04:00:00 | 2016-15TT06:17 | Prime | CIRS_236TI_MIRLMBINT001_PRIME.jpg | CIRS_236TI_MIRLMBINT001_PRIME.sasf | CIRS_236TI_MIRLMBINT001_PRIME.sof | CIRS_236TI_MIRLMBINT001_PRIME.pef | CIRS_236TI_MIRLMBINT001_PRIME.ck |
| CIRS_236TI_FIRNADMAP001_PRIME | 2016-15TT09:06:17 | GMB_E236_TITAN_T120+000T05:00:00 | 000T02:30:00 | 2016-15TT11:36:17 | Prime | CIRS_236TI_FIRNADMAP001_PRIME.jpg | CIRS_236TI_FIRNADMAP001_PRIME.sasf | CIRS_236TI_FIRNADMAP001_PRIME.sof | CIRS_236TI_FIRNADMAP001_PRIME.pef | CIRS_236TI_FIRNADMAP001_PRIME.ck |
| CIRS_236TI_FIRLMBINT001_PRIME | 2016-15TT11:36:17 | GMB_E236_TITAN_T120+000T20:30:00 | 000T01:15:00 | 2016-15TT21:51:17 | Prime | CIRS_236TI_FIRLMBINT001_PRIME.jpg | CIRS_236TI_FIRLMBINT001_PRIME.sasf | CIRS_236TI_FIRLMBINT001_PRIME.sof | CIRS_236TI_FIRLMBINT001_PRIME.pef | CIRS_236TI_FIRLMBINT001_PRIME.ck |
| CIRS_236TI_FIRLMBAAER002_PRIME | 2016-15TT12:52:17 | GMB_E236_TITAN_T120+000T01:14:00 | 000T00:44:00 | 2016-15TT13:16:17 | Prime | CIRS_236TI_FIRLMBAAER002_PRIME.jpg | CIRS_236TI_FIRLMBAAER002_PRIME.sasf | CIRS_236TI_FIRLMBAAER002_PRIME.sof | CIRS_236TI_FIRLMBAAER002_PRIME.pef | CIRS_236TI_FIRLMBAAER002_PRIME.ck |
| CIRS_236TI_FIRNADMAP002_PRIME | 2016-15TT16:21:17 | GMB_E236_TITAN_T120+000T02:15:00 | 000T02:45:00 | 2016-15TT19:06:17 | Prime | CIRS_236TI_FIRNADMAP002_PRIME.jpg | CIRS_236TI_FIRNADMAP002_PRIME.sasf | CIRS_236TI_FIRNADMAP002_PRIME.sof | CIRS_236TI_FIRNADMAP002_PRIME.pef | CIRS_236TI_FIRNADMAP002_PRIME.ck |
| CIRS_236TI_MIRLMBMAP002_PRIME | 2016-15TT19:06:17 | GMB_E236_TITAN_T120+000T05:00:00 | 000T04:00:00 | 2016-15TT23:06:17 | Prime | CIRS_236TI_MIRLMBMAP002_PRIME.jpg | CIRS_236TI_MIRLMBMAP002_PRIME.sasf | CIRS_236TI_MIRLMBMAP002_PRIME.sof | CIRS_236TI_MIRLMBMAP002_PRIME.pef | CIRS_236TI_MIRLMBMAP002_PRIME.ck |
| CIRS_236TI_FIRNADCMP002_PRIME | 2016-15TT23:06:17 | GMB_E236_TITAN_T120+000T09:00:00 | 000T04:00:00 | 2016-16TT03:06:17 | Prime | CIRS_236TI_FIRNADCMP002_PRIME.jpg | CIRS_236TI_FIRNADCMP002_PRIME.sasf | CIRS_236TI_FIRNADCMP002_PRIME.sof | CIRS_236TI_FIRNADCMP002_PRIME.pef | CIRS_236TI_FIRNADCMP002_PRIME.ck |
| CIRS_236TI_MIDIRTMAP002_PRIME | 2016-16TT03:06:17 | GMB_E236_TITAN_T120+000T13:00:00 | 000T03:52:22 | 2016-16TT06:58:39 | Prime | CIRS_236TI_MIDIRTMAP002_PRIME.jpg | CIRS_236TI_MIDIRTMAP002_PRIME.sasf | CIRS_236TI_MIDIRTMAP002_PRIME.sof | CIRS_236TI_MIDIRTMAP002_PRIME.pef | CIRS_236TI_MIDIRTMAP002_PRIME.ck |
| CIRS_236TI_CLOUD001_ISS | 2016-16TT17:40:00 | | 000T02:55:00 | 2016-16TT20:35:00 | SPASS Rider | | | | | |
| CIRS_236TI_CLOUD002_ISS | 2016-16TT20:35:00 | | 000T02:00:00 | 2016-16TT22:35:00 | SPASS Rider | | | | | |
| CIRS_236TI_CLOUD003_ISS | 2016-16TT22:35:00 | | 000T01:00:00 | 2016-16TT23:35:00 | SPASS Rider | | | | | |
| CIRS_236TI_M120R2HZ162_ISS | 2016-16TT10:35:00 | E236_M120R2HZ162+000T00:00:00 | 000T01:30:00 | 2016-16TT12:05:00 | SPASS Rider | | | | | |
| CIRS_237TI_M90R3CLD170_ISS | 2016-17TT16:45:00 | E237_M90R3CLD170+000T00:00:00 | 000T01:30:00 | 2016-17TT18:15:00 | SPASS Rider | | | | | |
| CIRS_237TI_M60R3CLD172_ISS | 2016-17TT21:35:00 | E237_M60R3CLD172+000T00:00:00 | 000T01:30:00 | 2016-17TT18:05:00 | SPASS Rider | | | | | |
| CIRS_237TI_M30R3CLD174_ISS | 2016-17TT16:30:00 | E237_M30R3CLD174+000T00:00:00 | 000T01:30:00 | 2016-17TT18:00:00 | SPASS Rider | | | | | |
| CIRS_237TI_M30R3CLD176_ISS | 2016-17TT16:30:00 | E237_M30R3CLD176+000T00:00:00 | 000T01:30:00 | 2016-17TT18:00:00 | SPASS Rider | | | | | |
| CIRS_238TI_M90R2CLD196_ISS | 2016-19TT22:53:00 | E238_M90R2CLD196+000T00:00:00 | 000T01:30:00 | 2016-19TT20:23:00 | SPASS Rider | | | | | |
| CIRS_238TI_M90R3CLD198_ISS | 2016-19TT14:53:00 | E238_M90R3CLD198+000T00:00:00 | 000T01:30:00 | 2016-19TT16:23:00 | SPASS Rider | | | | | |
| CIRS_238TI_MIRLMBINT002_PRIME | 2016-20TT00:15:43 | GMB_E238_TITAN_T121+000T09:42:40 | 000T04:42:40 | 2016-20TT04:58:23 | Prime | CIRS_238TI_MIRLMBINT002_PRIME.jpg | CIRS_238TI_MIRLMBINT002_PRIME.sasf | CIRS_238TI_MIRLMBINT002_PRIME.sof | CIRS_238TI_MIRLMBINT002_PRIME.pef | CIRS_238TI_MIRLMBINT002_PRIME.ck |
| CIRS_238TI_FIRNADMAP001_PRIME | 2016-20TT04:58:23 | GMB_E238_TITAN_T121+000T05:00:00 | 000T02:45:00 | 2016-20TT07:43:23 | Prime | CIRS_238TI_FIRNADMAP001_PRIME.jpg | CIRS_238TI_FIRNADMAP001_PRIME.sasf | CIRS_238TI_FIRNADMAP001_PRIME.sof | CIRS_238TI_FIRNADMAP001_PRIME.pef | CIRS_238TI_FIRNADMAP001_PRIME.ck |
| CIRS_238TI_REGMAP001_VIMS | 2016-20TT12:13:23 | GMB_E238_TITAN_T121+000T02:15:00 | 000T02:45:00 | 2016-20TT14:58:23 | SPASS Rider | | | | | |
| CIRS_238TI_MEDRES001_VIMS | 2016-20TT14:58:23 | GMB_E238_TITAN_T121+000T05:00:00 | 000T04:00:00 | 2016-20TT18:58:23 | SPASS Rider | | | | | |
| CIRS_238TI_FIRNADCMP002_PRIME | 2016-20TT18:58:23 | GMB_E238_TITAN_T121+000T09:00:00 | 000T03:30:00 | 2016-20TT22:28:23 | Prime | CIRS_238TI_FIRNADCMP002_PRIME.jpg | CIRS_238TI_FIRNADCMP002_PRIME.sasf | CIRS_238TI_FIRNADCMP002_PRIME.sof | CIRS_238TI_FIRNADCMP002_PRIME.pef | CIRS_238TI_FIRNADCMP002_PRIME.ck |
| CIRS_238TI_MIDIRTMAP002_PRIME | 2016-20TT22:28:23 | GMB_E238_TITAN_T121+000T12:30:00 | 000T05:03:37 | 2016-20TT03:32:00 | Prime | CIRS_238TI_MIDIRTMAP002_PRIME.jpg | CIRS_238TI_MIDIRTMAP002_PRIME.sasf | CIRS_238TI_MIDIRTMAP002_PRIME.sof | CIRS_238TI_MIDIRTMAP002_PRIME.pef | CIRS_238TI_MIDIRTMAP002_PRIME.ck |
| CIRS_238TI_CLOUD001_ISS | 2016-20TT14:07:00 | | 000T04:40:00 | 2016-20TT18:47:00 | SPASS Rider | | | | | |
| CIRS_238TI_CLOUD002_ISS | 2016-20TT18:47:00 | | 000T04:30:00 | 2016-20TT23:17:00 | SPASS Rider | | | | | |
| CIRS_238TI_CLOUD003_ISS | 2016-20TT23:17:00 | | 000T01:00:00 | 2016-20TT01:17:00 | SPASS Rider | | | | | |
| CIRS_238TI_M120R2HZ211_ISS | 2016-21TT14:07:00 | E238_M120R2HZ211+000T00:00:00 | 000T01:30:00 | 2016-21TT15:37:00 | SPASS Rider | | | | | |
| CIRS_239TI_M90R3CLD216_ISS | 2016-216T13:51:00 | E239_M90R3CLD216+000T00:00:00 | 000T01:30:00 | 2016-216T15:21:00 | SPASS Rider | | | | | |

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|-------------------------------|-------------------|----------------------------------|--------------|-------------------|-------------|-----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| CIRS_250TI_MIRLMBINT002_PRIME | 2016-335T03:14:32 | GMB_E250_TITAN_T125+000T05:00:00 | 000T04:00:00 | 2016-335T07:14:32 | Prime | CIRS_250TI_MIRLMBINT002_PRIME.jpg | CIRS_250TI_MIRLMBINT002_PRIME.sasf | CIRS_250TI_MIRLMBINT002_PRIME.sof | CIRS_250TI_MIRLMBINT002_PRIME.prf | CIRS_250TI_MIRLMBINT002_PRIME.ck |
| CIRS_250TI_FIRNADCMP002_PRIME | 2016-335T07:14:32 | GMB_E250_TITAN_T125+000T09:00:00 | 000T04:00:00 | 2016-335T11:14:32 | Prime | CIRS_250TI_FIRNADCMP002_PRIME.jpg | CIRS_250TI_FIRNADCMP002_PRIME.sasf | CIRS_250TI_FIRNADCMP002_PRIME.sof | CIRS_250TI_FIRNADCMP002_PRIME.prf | CIRS_250TI_FIRNADCMP002_PRIME.ck |
| CIRS_250TI_MIDIRTMAP002_PRIME | 2016-335T11:14:32 | GMB_E250_TITAN_T125+000T13:00:00 | 000T06:33:28 | 2016-335T17:48:00 | Prime | CIRS_250TI_MIDIRTMAP002_PRIME.jpg | CIRS_250TI_MIDIRTMAP002_PRIME.sasf | CIRS_250TI_MIDIRTMAP002_PRIME.sof | CIRS_250TI_MIDIRTMAP002_PRIME.prf | CIRS_250TI_MIDIRTMAP002_PRIME.ck |
| CIRS_252TI_COMPMAP001_PRIME | 2016-350T06:16:00 | | 000T04:00:00 | 2016-350T10:16:00 | Prime | CIRS_252TI_COMPMAP001_PRIME.jpg | CIRS_252TI_COMPMAP001_PRIME.sasf | CIRS_252TI_COMPMAP001_PRIME.sof | CIRS_252TI_COMPMAP001_PRIME.prf | CIRS_252TI_COMPMAP001_PRIME.ck |
| CIRS_253TI_MIDIRTMAP001_PRIME | 2016-350T10:16:00 | | 000T06:05:00 | 2016-350T16:21:00 | Prime | CIRS_253TI_MIDIRTMAP001_PRIME.jpg | CIRS_253TI_MIDIRTMAP001_PRIME.sasf | CIRS_253TI_MIDIRTMAP001_PRIME.sof | CIRS_253TI_MIDIRTMAP001_PRIME.prf | CIRS_253TI_MIDIRTMAP001_PRIME.ck |
| CIRS_253TI_CLOUD001_ISS | 2016-350T16:21:00 | | 000T01:00:00 | 2016-350T17:21:00 | SPASS Rider | | | | | |
| CIRS_253TI_COMPMAP001_PRIME | 2016-350T17:21:00 | | 000T04:00:00 | 2016-350T21:21:00 | Prime | CIRS_253TI_COMPMAP001_PRIME.jpg | CIRS_253TI_COMPMAP001_PRIME.sasf | CIRS_253TI_COMPMAP001_PRIME.sof | CIRS_253TI_COMPMAP001_PRIME.prf | CIRS_253TI_COMPMAP001_PRIME.ck |
| CIRS_253TI_CLOUD002_ISS | 2016-350T21:21:00 | | 000T01:00:00 | 2016-350T22:21:00 | SPASS Rider | | | | | |
| CIRS_253TI_MIDIRTMAP002_PRIME | 2016-350T22:21:00 | | 000T04:00:00 | 2016-351T02:21:00 | Prime | CIRS_253TI_MIDIRTMAP002_PRIME.jpg | CIRS_253TI_MIDIRTMAP002_PRIME.sasf | CIRS_253TI_MIDIRTMAP002_PRIME.sof | CIRS_253TI_MIDIRTMAP002_PRIME.prf | CIRS_253TI_MIDIRTMAP002_PRIME.ck |
| CIRS_253TI_CLOUD003_ISS | 2016-351T02:21:00 | | 000T01:00:00 | 2016-351T03:21:00 | SPASS Rider | | | | | |
| CIRS_253TI_COMPMAP002_PRIME | 2016-351T03:21:00 | | 000T01:30:00 | 2016-351T04:51:00 | Prime | CIRS_253TI_COMPMAP002_PRIME.jpg | CIRS_253TI_COMPMAP002_PRIME.sasf | CIRS_253TI_COMPMAP002_PRIME.sof | CIRS_253TI_COMPMAP002_PRIME.prf | CIRS_253TI_COMPMAP002_PRIME.ck |
| CIRS_253TI_LRMONITOR002_ISS | 2016-351T04:51:00 | | 000T01:00:00 | 2016-351T05:51:00 | SPASS Rider | | | | | |
| CIRS_253TI_MIDIRTMAP003_PRIME | 2016-351T05:51:00 | | 000T01:30:00 | 2016-351T07:21:00 | Prime | CIRS_253TI_MIDIRTMAP003_PRIME.jpg | CIRS_253TI_MIDIRTMAP003_PRIME.sasf | CIRS_253TI_MIDIRTMAP003_PRIME.sof | CIRS_253TI_MIDIRTMAP003_PRIME.prf | CIRS_253TI_MIDIRTMAP003_PRIME.ck |
| CIRS_253TI_CLOUD004_ISS | 2016-351T07:21:00 | | 000T01:00:00 | 2016-351T08:21:00 | SPASS Rider | | | | | |
| CIRS_253TI_MIDIRTMAP004_PRIME | 2016-351T08:21:00 | | 000T02:12:00 | 2016-351T10:33:00 | Prime | CIRS_253TI_MIDIRTMAP004_PRIME.jpg | CIRS_253TI_MIDIRTMAP004_PRIME.sasf | CIRS_253TI_MIDIRTMAP004_PRIME.sof | CIRS_253TI_MIDIRTMAP004_PRIME.prf | CIRS_253TI_MIDIRTMAP004_PRIME.ck |
| CIRS_253TI_CLOUD005_ISS | 2016-351T10:33:00 | | 000T01:00:00 | 2016-351T11:33:00 | SPASS Rider | | | | | |
| CIRS_253TI_M90R1CLD53_ISS | 2016-353T04:13:00 | E253_M90R1CLD53+000T00:00:00 | 000T02:00:00 | 2016-353T06:13:00 | SPASS Rider | | | | | |
| CIRS_253TI_M150R2HZ355_ISS | 2016-355T06:49:00 | E253_M150R2HZ355+000T00:00:00 | 000T01:30:00 | 2016-355T08:19:00 | SPASS Rider | | | | | |
| CIRS_254TI_M120R2HZ360_ISS | 2016-360T10:55:00 | E254_M120R2HZ360+000T00:00:00 | 000T01:30:00 | 2016-360T12:25:00 | SPASS Rider | | | | | |
| CIRS_255TI_LRMONITOR001_ISS | 2016-365T21:31:00 | | 000T05:00:00 | 2016-366T02:31:00 | SPASS Rider | | | | | |
| CIRS_255TI_LRMONITOR002_ISS | 2016-366T02:31:00 | | 000T05:00:00 | 2016-366T07:31:00 | SPASS Rider | | | | | |
| CIRS_255TI_LRMONITOR003_ISS | 2016-366T07:31:00 | | 000T05:00:00 | 2016-366T12:31:00 | SPASS Rider | | | | | |
| CIRS_255TI_LRMONITOR004_ISS | 2016-366T12:31:00 | | 000T05:00:00 | 2016-366T17:31:00 | SPASS Rider | | | | | |
| CIRS_255TI_LRMONITOR005_ISS | 2016-366T17:31:00 | | 000T05:00:00 | 2016-366T22:31:00 | SPASS Rider | | | | | |
| CIRS_255TI_LRMONITOR006_ISS | 2016-366T22:31:00 | | 000T00:51:00 | 2016-366T23:22:00 | SPASS Rider | | | | | |
| CIRS_256TI_M150R2HZ010_ISS | 2017-011T00:36:00 | E256_M150R2HZ010+000T00:00:00 | 000T01:30:00 | 2017-011T02:06:00 | SPASS Rider | | | | | |
| CIRS_256TI_M120R2HZ011_ISS | 2017-011T21:05:00 | E256_M120R2HZ011+000T00:00:00 | 000T01:30:00 | 2017-011T22:35:00 | SPASS Rider | | | | | |
| CIRS_257TI_M120R2HZ013_ISS | 2017-013T03:47:00 | E257_M120R2HZ013+000T00:00:00 | 000T01:30:00 | 2017-013T05:17:00 | SPASS Rider | | | | | |
| CIRS_259TI_M90R2CLD029_ISS | 2017-029T02:08:00 | E259_M90R2CLD029+000T00:00:00 | 000T01:30:00 | 2017-029T03:38:00 | SPASS Rider | | | | | |
| CIRS_259TI_LRMONITOR001_ISS | 2017-032T08:19:00 | | 000T01:00:00 | 2017-032T09:19:00 | SPASS Rider | | | | | |
| CIRS_259TI_MIDIRTMAP001_PRIME | 2017-032T09:19:00 | | 000T03:47:00 | 2017-032T13:06:00 | Prime | CIRS_259TI_MIDIRTMAP001_PRIME.jpg | CIRS_259TI_MIDIRTMAP001_PRIME.sasf | CIRS_259TI_MIDIRTMAP001_PRIME.sof | CIRS_259TI_MIDIRTMAP001_PRIME.prf | CIRS_259TI_MIDIRTMAP001_PRIME.ck |
| CIRS_259TI_CLOUD001_ISS | 2017-032T13:06:00 | | 000T01:00:00 | 2017-032T14:06:00 | SPASS Rider | | | | | |
| CIRS_259TI_COMPMAP001_PIE | 2017-032T14:06:00 | | 000T05:15:00 | 2017-032T19:21:00 | Prime | CIRS_259TI_COMPMAP001_PIE.jpg | CIRS_259TI_COMPMAP001_PIE.sasf | CIRS_259TI_COMPMAP001_PIE.sof | CIRS_259TI_COMPMAP001_PIE.prf | CIRS_259TI_COMPMAP001_PIE.ck |
| CIRS_259TI_CLOUD002_ISS | 2017-032T19:21:00 | | 000T01:00:00 | 2017-032T20:21:00 | SPASS Rider | | | | | |
| CIRS_259TI_MIRLMBMAP002_PRIME | 2017-032T20:21:00 | | 000T05:15:00 | 2017-033T01:36:00 | Prime | CIRS_259TI_MIRLMBMAP002_PRIME.jpg | CIRS_259TI_MIRLMBMAP002_PRIME.sasf | CIRS_259TI_MIRLMBMAP002_PRIME.sof | CIRS_259TI_MIRLMBMAP002_PRIME.prf | CIRS_259TI_MIRLMBMAP002_PRIME.ck |
| CIRS_259TI_CLOUD003_ISS | 2017-033T01:36:00 | | 000T01:00:00 | 2017-033T02:36:00 | SPASS Rider | | | | | |
| CIRS_259TI_MIDIRTMAP002_PRIME | 2017-033T02:36:00 | | 000T07:00:00 | 2017-033T09:36:00 | Prime | CIRS_259TI_MIDIRTMAP002_PRIME.jpg | CIRS_259TI_MIDIRTMAP002_PRIME.sasf | CIRS_259TI_MIDIRTMAP002_PRIME.sof | CIRS_259TI_MIDIRTMAP002_PRIME.prf | CIRS_259TI_MIDIRTMAP002_PRIME.ck |
| CIRS_259TI_COMPMAP002_PRIME | 2017-033T09:36:00 | | 000T05:45:00 | 2017-033T15:21:00 | Prime | CIRS_259TI_COMPMAP002_PRIME.jpg | CIRS_259TI_COMPMAP002_PRIME.sasf | CIRS_259TI_COMPMAP002_PRIME.sof | CIRS_259TI_COMPMAP002_PRIME.prf | CIRS_259TI_COMPMAP002_PRIME.ck |
| CIRS_259TI_LRMONITOR002_ISS | 2017-033T15:21:00 | | 000T01:00:00 | 2017-033T16:21:00 | SPASS Rider | | | | | |
| CIRS_261TI_MIDIRTMAP001_PRIME | 2017-048T02:31:00 | | 000T05:10:00 | 2017-048T07:41:00 | Prime | CIRS_261TI_MIDIRTMAP001_PRIME.jpg | CIRS_261TI_MIDIRTMAP001_PRIME.sasf | CIRS_261TI_MIDIRTMAP001_PRIME.sof | CIRS_261TI_MIDIRTMAP001_PRIME.prf | CIRS_261TI_MIDIRTMAP001_PRIME.ck |
| CIRS_261TI_CLOUD001_ISS | 2017-048T07:41:00 | | 000T01:00:00 | 2017-048T08:41:00 | SPASS Rider | | | | | |
| CIRS_261TI_MIRLMBMAP001_PRIME | 2017-048T08:41:00 | | 000T04:00:00 | 2017-048T12:41:00 | Prime | CIRS_261TI_MIRLMBMAP001_PRIME.jpg | CIRS_261TI_MIRLMBMAP001_PRIME.sasf | CIRS_261TI_MIRLMBMAP001_PRIME.sof | CIRS_261TI_MIRLMBMAP001_PRIME.prf | CIRS_261TI_MIRLMBMAP001_PRIME.ck |
| CIRS_261TI_CLOUD002_ISS | 2017-048T12:41:00 | | 000T01:00:00 | 2017-048T13:41:00 | SPASS Rider | | | | | |
| CIRS_261TI_MIRLMBINT001_PRIME | 2017-048T13:41:00 | | 000T03:00:00 | 2017-048T14:41:00 | Prime | CIRS_261TI_MIRLMBINT001_PRIME.jpg | CIRS_261TI_MIRLMBINT001_PRIME.sasf | CIRS_261TI_MIRLMBINT001_PRIME.sof | CIRS_261TI_MIRLMBINT001_PRIME.prf | CIRS_261TI_MIRLMBINT001_PRIME.ck |
| CIRS_261TI_CLOUD003_ISS | 2017-048T16:41:00 | | 000T04:00:00 | 2017-048T20:41:00 | SPASS Rider | | | | | |

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| CIRS_293TI_MIDIRTMAP003_PRIME | 2017-255T13:46:00 | | 000T04:30:00 | 2017-255T18:16:00 | Prime | CIRS_293TI_MIDIRTMAP003_PRIME.jpg | CIRS_293TI_MIDIRTMAP003_PRIME.sasf | CIRS_293TI_MIDIRTMAP003_PRIME.sof | CIRS_293TI_MIDIRTMAP003_PRIME.prf | CIRS_293TI_MIDIRTMAP003_PRIME.ck |
| CIRS_293TI_LRMONITOR004_ISS | 2017-255T18:16:00 | | 000T00:30:00 | 2017-255T18:46:00 | SPASS Rider | | | | | |
| CIRS_293TI_COMPMAP002_PRIME | 2017-255T18:46:00 | | 000T02:20:00 | 2017-255T21:06:00 | Prime | CIRS_293TI_COMPMAP002_PRIME.jpg | CIRS_293TI_COMPMAP002_PRIME.sasf | CIRS_293TI_COMPMAP002_PRIME.sof | CIRS_293TI_COMPMAP002_PRIME.prf | CIRS_293TI_COMPMAP002_PRIME.ck |
| CIRS_293TI_LRMONITOR005_ISS | 2017-255T21:06:00 | | 000T00:30:00 | 2017-255T21:36:00 | SPASS Rider | | | | | |
| CIRS_293TI_M90R1CLD256_ISS | 2017-256T16:30:00 | E293_M90R1CLD256+000T00:00:00 | 000T02:00:00 | 2017-256T18:30:00 | SPASS Rider | | | | | |

Database Contents

MORE work here!!!!

Brief discussion about what is in the database, what was calibrated, what wasn't and why. Itemize observations that were lost due to instrument anomaly, rwa interference, etc... ..

| MORE work | Target | On the Ground | Calibrated | % Cal | here!!!!! |
|-----------|--------------|--------------------|--------------------|---------------|-----------|
| | Deep Space | 76,840,919 | 72,727,153 | 94.65% | |
| | Titan | 10,948,860 | 10,516,664 | 96.05% | |
| | Saturn | 29,821,717 | 29,438,506 | 98.71% | |
| | Rings | 40,646,344 | 40,210,295 | 98.93% | |
| | Icy Satelite | 7,305,025 | 7,067,012 | 96.74% | |
| | Stellar | 122,533 | 121,824 | 99.42% | |
| | Shutter | 5,650,373 | 5,163,276 | 91.38% | |
| | Total | 171,335,771 | 165,244,730 | 96.44% | |

Publications and Science Research

A list of science publications (with links if we can make that happen) and a brief description of the science analysis that has been done and contact info for those on the team involved. This enables some dialogue where it needs to happen and a means for the user to quickly access the publications without having to do an exhaustive search...