



- Main
- Observations
- Requests
- Deliveries
- Transfer
- Help
- Logout

View Library

- Display**
- Request
- [Crit Diff](#)
- Relationships
- [Deliveries](#)
- [Prime/Rider](#)
- Export
- [XML](#)
- [Summary-Text](#)
- [APF](#)
- Comments
- [View](#)
- [Add](#)
- Page
- [Legend](#)
- [Help](#)

This request revision is contained in a delivery and is frozen. Changes must be saved as a new revision.

Request Header [Description](#) [Observations](#) [Files](#) [Steps](#)

| | | | |
|-----------------------|---|-----------|-------------------|
| ID: | RSS_038TL_KADOWN001_RSS | | |
| Title: | Gravity downlink pass | Revision: | 2 |
| Rev Created: | 22 Aug 2006, 13:50, by Goltz, Gene L | Priority: | 2 |
| Updated: | | Comments: | 0 |
| Start Time: | 2007-028T02:36:00 GMT | | |
| Pre Start Tolerance: | 000T00:00:00 | | |
| Post Start Tolerance: | 000T00:00:00 | | |
| Duration: | 000T09:36:00 | | |
| End Time: | 2007-028T12:12:00 GMT | | |
| Change: | change start & duration, per SP | | |
| Change Justification: | | | |
| Visibility: | Public | | |
| SPASS Type: | SPASS Rider (Collaborative: No) | | |
| Group Filter: | SWG, TOST | | |
| Contact Info: | Nicole Rappaport, 354-8211 | | |
| Description: | Additional downlink pass at Ka-band for Titan gravity science. Time includes 5 minutes for Ka-TWTA maintenance and 2 hours for thermal stabilization. | | |

Request Description [Header](#) [Observations](#) [Files](#) [Steps](#)

| Pointing Information | | | |
|----------------------|--|-------------------|--------------------------|
| Pointing: | XBAND to Earth | | |
| Agreement: | | | |
| Primary Pointing: | XBAND to Earth | | |
| Secondary Pointing: | PIC | | |
| Resources | | | |
| Sequence Type: | Background | SSR Data Class: | Normal |
| Op Mode: | RSS Warm-up | Telem Mode: | - |
| Power (watts): | 38.7 | Est CDS Words: | 200 |
| Rate Multiplier: | | APGEN Rate: | 0 |
| Effective Rate: | 0 bps | Data Volume: | 0 x 10 ⁶ bits |
| Frames: | | Bits Per Frame: | |
| Team Consumables: | Ka-TWTA and KEX on at start; off at end. KAT thermal cycles incurred=0.2500. | | |
| IEB Text: | | | |
| Apgen Fields | | | |
| Activity Type: | RSS Activity | | |
| <u>Attributes</u> | | <u>Parameters</u> | |
| Legend: | RSS | CDSWords: | 200 |
| Duration: | 000T09:36:00 | Power: | 38.7 |
| Color: | Hot Pink | SSRDataClass: | Normal |
| Pattern: | 60 - Large Pinwheels | | |

Description: [see above](#)

Green items are request fields shown here for clarity

Support and Other Descriptive Information

Liens:

Waivers:

RTC:

FSW Loads:

ITL Request:

Special DSN Requirements: The Ka-band station is for a shadow pass of DSS-14. DSS-25 required in addition, to acquire Ka-band. The DSS-14 station is required for telemetry downlink and for X-band uplink and ranging. The Ka-band station shall receive two simultaneous downlinks at X-band and Ka-band, both coherent with the X-band uplink from DSS-14.

Special Requirements: This activity will need to start with the RSS PIM Warm-Up (RSSP_RWAF) Op Mode, and be followed 5 minutes later with the RSS Ka-frequency (RSSK_RWAF) Op Mode. IO-RS Ops should be consulted, along with the integrated and approved activities TOL, before SASF generation.

Support Imaging Required:

Document References:

As Flown:

SASF Fields

Processor:

Key:

Workgroup:

Status:

Upper Label:

Lower Label:

Edit Group:

Request State:

Associated Observations [Header](#) [Description](#) [Files](#) [Steps](#)

| Last Updated | Observation | Rev | Cmts |
|--------------|-------------|-----|------|
| | | | |

Associated External Files [Header](#) [Description](#) [Observations](#) [Steps](#)

| File Name | Relative Path | Last Modified | File Size |
|-----------|---------------|---------------|-----------|
| | | | |

Steps [Header](#) [Description](#) [Observations](#) [Files](#)

| Type | Label | Name | Offset | Off-Type |
|------|-------|------|--------|----------|
| | | | | |