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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_038TI_KADOWN002_RSS		
Title:	Gravity downlink pass	Revision:	1
Rev Created:	05 Apr 2006, 11:51, by <a href="#">Goltz, Gene L</a>	Priority:	2
Updated:	05 Apr 2006, 11:51, by <a href="#">Goltz, Gene L</a>	Comments:	0
Start Time:	2007-030T01:07:00 GMT		
Pre Start	000T00:00:00		
Tolerance:			
Post Start	000T00:00:00		
Tolerance:			
Duration:	000T11:05:00		
End Time:	2007-030T12:12:00 GMT		
Change:	created from copy		
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 <sup>6</sup> 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:	<a href="#">RSS Activity</a>		
<u>Attributes</u>		<u>Parameters</u>	
Legend:	RSS	CDSWords:	200
Duration:	000T11:05:00	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