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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_005TL_KADOWN001_RSS		
Title:	Ka-Downlink for Gravity	Revision:	2
Rev Created:	04 Nov 2004, 09:35, by <a href="#">Goltz, Gene L</a>	Priority:	2
Updated:		Comments:	<a href="#">0</a>
Start Time:	2005-089T17:08:42 GMT		
Pre Start Tolerance:	000T03:00:00		
Post Start Tolerance:	000T03:00:00		
Duration:	000T12:41:18		
End Time:	2005-090T05:50:00 GMT		
Change:	start 2 hours earlier, FR18C4		
Change Justification:			
Visibility:	Public		
SPASS Type:	SPASS Rider (Collaborative: No)		
Group Filter:	TOST		
Contact Info:			
Description:	Additional downlink pass at Ka-band for Titan gravity science. This request includes 2 hours Ka-TWTA maintenance and 2 hours RFIS 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:	000T12:41:18	Power:	38.7
Color:	Dodger Blue	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: DSS-25 or DSS-26 required as a shadow pass of G70METNON089 in addition to currently scheduled DSS-14 pass. The Ka-band station is required 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 sent by the 70-meter station.

Special Requirements: Operational mode must be changed from DFPW\_normal to RSSK\_RWAF. Last 08:42:00 required to be tracked by DSS-55. On the spacecraft, KEX and Ka-TWTA must be turned on.

Support Imaging Required:

Document References:

As Flown:

**SASF Fields**

Processor:

Key:

Workgroup:

Status:

Upper Label:

Lower Label:

Edit Group:

Request State:

**Associated Observations**

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Last Updated	Observation	Rev	Cmts

**Associated External Files**

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File Name	Relative Path	Last Modified	File Size

**Steps**

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Type	Label	Name	Offset	Off-Type