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

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ID:	RSS_017TL_KADOWN002_RSS		
Title:	Gravity downlink pass	Revision:	1
Rev Created:	01 Mar 2005, 10:39, by Rappaport, Nicole	Priority:	2
Updated:	01 Mar 2005, 10:41, by Rappaport, Nicole	Comments:	0
Start Time:	2005-301T22:44:00 GMT		
Pre Start	000T00:00:00		
Tolerance:			
Post Start	000T00:00:00		
Tolerance:			
Duration:	000T11:05:00		
End Time:	2005-302T09:49:00 GMT		
Change:	created from copy		
Change Justification:			
Visibility:	Public		
SPASS Type:	SPASS Rider (Collaborative: No)		
Group Filter:	SWG, TOST		
Contact Info:			
Description:	Additional downlink pass at Ka-band for Titan gravity science and for improving locally Cassini orbit.		

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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:	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-63. DSS-55 required in addition to currently scheduled DSS-63 pass. The DSS-55 station is required to acquire Ka-band. The DSS-63 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-63. Actually, not sure where uplink should be.

Special Requirements: Use RSSK_RWAF operational mode. On the spacecraft, KEX and Ka-band TWTA must be turned on.

Support Imaging Required:

Document References: IOMs 312-04-NJR-03 and 343-05-NJR-02

As Flown:

SASF Fields

Processor:

Key:

Workgroup:

Status:

Upper Label:

Lower Label:

Edit Group:

Request State:

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Last Updated	Observation	Rev	Cmts

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

File Name	Relative Path	Last Modified	File Size

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Type	Label	Name	Offset	Off-Type