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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_211EA_ROLLTEST002_RSS	
Title:	RSS Rolling About XBAND to Earth Test	Revision: 1
Rev Created:	29 Sep 2014, 13:17, by <a href="#">Anabtawi, Aseel</a>	Priority: 2
Updated:	29 Sep 2014, 13:21, by <a href="#">Anabtawi, Aseel</a>	Comments: 0
Start Time:	2014-361T17:31:00 GMT	
Pre Start	001T12:00:00	
Tolerance:		
Post Start	003T12:00:00	
Tolerance:		
Duration:	000T09:00:00	
End Time:	2014-362T02:31:00 GMT	
Change:	Revision1 Add	
Change Justification:	Revision1, 9/29/14, Add: During S87 SIP. -Aseel	
Visibility:	Public	
SPASS Type:	SPASS Rider (Collaborative: No)	
Group Filter:	MAPS	
Contact Info:	Aseel Anabtawi, 393-1073	
Description:	<p>Test to assess potential impact of S/C rolling about XBAND to Earth on the short Proximal orbits during ring occultations close to periapse. This is to investigate potential orbit sharing with MAG.</p> <p>All rolling downlinks to date have been rolls about the Z-axis. Rolling about the Z-axis or XBAND to Earth may make little difference for most instruments or for telemetry, but makes a big difference for RSS occultations where the signal amplitude stability is crucial.</p> <p>DSS-35 (or DSS-34) required to obtain X- and Ka-band downlink data.</p>	

**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:	RSSK	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>		

Attributes		Parameters	
Legend:	RSS	CDSWords:	200
Duration:	000T09:00:00	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:	DSS-35 (or DSS-34) required to obtain X- and Ka-band downlink data.
Special Requirements:	This activity will need to start with the RSS PIM Warm-Up Opmode (RSSP_RWAF), and be followed 5 minutes later with the RSS Ka-frequency Opmode (RSSK, SLOW an option). 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

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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