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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_240EA_PROXTEST001_PRIME		
Title:	RSS Rolling in RSS3 and High Signal Dynamics Test	Revision:	1
Rev Created:	24 Feb 2016, 13:50, by Anabtawi, Aseel	Priority:	2
Updated:	24 Feb 2016, 13:52, by Anabtawi, Aseel	Comments:	0
Start Time:	2016-230T10:09:00 GMT		
Pre Start	001T12:00:00		
Tolerance:			
Post Start	003T12:00:00		
Tolerance:			
Duration:	000T02:00:00		
End Time:	2016-230T12:09:00 GMT		
Change:	created from copy		
Change Justification:			
Visibility:	Public		
SPASS Type:	Prime		
Group Filter:	MAPS		
Contact Info:	Aseel Anabtawi, 393-1073		
Description:	<p>Test to simulate the high signal dynamics expected during gravity flybys in the proximal orbits, while also rolling about XBAND to Earth using fast rates in RSS3 opmode, as will be the case on Rev 273 and 284 (RSS & MAG). Objective is to check whether the DSN receivers will be able to maintain lock throughout. Telemetry may be off during part of the test.</p> <p>This is the first of two tests.</p> <p>DSS-43 and DSS-35 required to obtain S-, X- and Ka-band data.</p>		

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Pointing Information			
Pointing:	XBAND to Earth		
Agreement:			
Primary Pointing:	XBAND to Earth		
Secondary Pointing:	NEG_Y to 144.0/-33.5		
Resources			
Sequence Type:	Background	SSR Data Class:	Normal
Op Mode:	RSS3/RWA	Telem Mode:	-
Power (watts):	89.3	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, KEX, and SBT on at start; off at end.		
IEB Text:			
Apgen Fields			
Activity Type:	RSS Activity		
Attributes	Parameters		

Legend:	RSS	CDSWords:	200
Duration:	000T02:00:00	Power:	89.3
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-43 and DSS-35 required to obtain S-, X- and Ka-band downlink data.
 Special Requirements: This activity requires the RSS 3-frequency (RSS3a_RWAF) Opmode. 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