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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_136SA_OCCORT002_RSS   |             |
| Title:                | RSS Operational Readiness Test  | Revision: 1 |
| Rev Created:          | 24 Nov 2009, 15:47, by <a href="#">Anabtawi, Aseel</a>  | Priority: 2 |
| Updated:              | 24 Nov 2009, 15:48, by <a href="#">Anabtawi, Aseel</a>  | Comments: 0 |
| Start Time:           | 2010-232T16:04:00 GMT   |             |
| Pre Start             | 001T12:00:00  |             |
| Tolerance:            |   |             |
| Post Start            | 003T12:00:00  |             |
| Tolerance:            |   |             |
| Duration:             | 000T09:00:00  |             |
| End Time:             | 2010-233T01:04:00 GMT   |             |
| Change:               | created from copy   |             |
| Change Justification: |   |             |
| Visibility:           | Public  |             |
| SPASS Type:           | SPASS Rider (Collaborative: No)   |             |
| Group Filter:         | RWG   |             |
| Contact Info:         | Aseel Anabtawi, 393-1073  |             |
| Description:          | RSS Operations Readiness Test (ORT), to demonstrate DSN and RSSG preparedness to support the Rev137 Saturn rings occultation on 2010/245. |             |

**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>  |                   |                          |
| <u>Attributes</u>    |   | <u>Parameters</u> |                          |
| 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-25 and DSS-55 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 [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 |
|------|-------|------|--------|----------|
|      |       |      |        |          |