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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_130SA_OCCORT003_RSS                                                                                                                                                                                  |           |                   |
| Title:                | RSS Operational Readiness Test                                                                                                                                                                           | Revision: | 2                 |
| Rev Created:          | 12 May 2009, 17:29, by <a href="#">Anabtawi, Aseel</a>                                                                                                                                                   | Priority: | 2                 |
| Updated:              |                                                                                                                                                                                                          | Comments: | <a href="#">0</a> |
| Start Time:           | 2010-113T00:03:00 GMT                                                                                                                                                                                    |           |                   |
| Pre Start Tolerance:  | 001T12:00:00                                                                                                                                                                                             |           |                   |
| Post Start Tolerance: | 003T12:00:00                                                                                                                                                                                             |           |                   |
| Duration:             | 000T09:00:00                                                                                                                                                                                             |           |                   |
| End Time:             | 2010-113T09:03:00 GMT                                                                                                                                                                                    |           |                   |
| Change:               | Revision1 Edit Start Time                                                                                                                                                                                |           |                   |
| Change Justification: | Revision1, 5/12/09, Edit Start Time: Start 5 minutes later to align with beginning of downlink. -Aseel                                                                                                   |           |                   |
| Visibility:           | Public                                                                                                                                                                                                   |           |                   |
| SPASS Type:           | SPASS Rider (Collaborative: No)                                                                                                                                                                          |           |                   |
| Group Filter:         | SWG                                                                                                                                                                                                      |           |                   |
| Contact Info:         | Aseel Anabtawi, 393-1073                                                                                                                                                                                 |           |                   |
| Description:          | RSS Operations Readiness Test (ORT), to demonstrate DSN and RSSG preparedness to support the Rev130 Saturn atmospheric occultation on 2010/117 and Rev130 Enceladus gravity observation on 2010/117-118. |           |                   |

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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:             | 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-34 required to obtain X- and Ka-band downlink data.  
 Special Requirements: This activity will need to start with the RSS PIM Warm-Up (RSSP\_RWAF) Op Mode, and be followed 5 minutes later with the RSS Ka-frequency (RSSK-SLOW) Op Mode. 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:

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| 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 |
|------|-------|------|--------|----------|
|      |       |      |        |          |