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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_253EA_SCE13018_RSS   |             |
| Title:                | Solar Conjunction Experiment (SCE) #13   | Revision: 1 |
| Rev Created:          | 19 Jan 2016, 13:58, by <a href="#">Anabtawi, Aseel</a>   | Priority: 2 |
| Updated:              | 19 Jan 2016, 14:00, by <a href="#">Anabtawi, Aseel</a>   | Comments: 0 |
| Start Time:           | 2016-352T18:33:00 GMT  |             |
| Pre Start             | 000T00:00:00   |             |
| Tolerance:            |  |             |
| Post Start            | 000T00:00:00   |             |
| Tolerance:            |  |             |
| Duration:             | 000T08:45:00   |             |
| End Time:             | 2016-353T03:18:00 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:          | <p>Characterize the solar corona at 2 frequency bands (X and Ka1 or X and S, depending on DSN antenna used for downlink), and assess the electron content and possible Faraday rotation, during the solar conjunction period.</p> <p>DSS-35 (preferred) or DSS-34 required for X- and Ka-band supports.</p> <p>If DSN coverage changes to an antenna that supports X- and Ka-band instead, then change Opmode to RSSK.</p> |             |

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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>  |                            |                          |
| <a href="#">Attributes</a> |   | <a href="#">Parameters</a> |                          |
| Legend:                    | RSS   | CDSWords:                  | 200                      |

Duration: 000T08:45:00 Power: 38.7  
 Color: Khaki SSRDataClass: Normal  
 Pattern: 0 - Solid Color  
 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 (preferred) or DSS-34 required to obtain X- and K-band downlink data.  
 Special Requirements: This activity will need to start with the RSS S-band frequency Opmode (RSS2, SLOW an option). IO-RS Ops should be consulted, along with the integrated and approved activities TOL, before SASF generation.  
 If DSN coverage changes to an antenna that supports X- and Ka-band instead, then change Opmode to RSSK.  
 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 |
|------|-------|------|--------|----------|
|      |       |      |        |          |