



**Display**

Relationships

[Deliveries](#)

[Prime/Rider](#)

Export

[XML](#)

[Summary-](#)

[Text](#)

[APF](#)

Comments

[View](#)

[Add](#)

Page

[Legend](#)

[Help](#)

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_252EA_SCE13012_RSS	
Title:	Solar Conjunction Experiment (SCE) #13	Revision: 1
Rev Created:	06 Apr 2016, 16:58, by <a href="#">Anabtawi, Aseel</a>	Priority: 2
Updated:	06 Apr 2016, 16:59, by <a href="#">Anabtawi, Aseel</a>	Comments: 0
Start Time:	2016-345T20:05:00 GMT	
Pre Start	000T00:00:00	
Tolerance:		
Post Start	000T00:00:00	
Tolerance:		
Duration:	000T09:00:00	
End Time:	2016-346T05:05:00 GMT	
Change:	created from copy	
Change Justification:		
Visibility:	Public	
SPASS Type:	SPASS Rider (Collaborative: No)	
Group Filter:	SWG	
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 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>	

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

Duration: 000T09:00:00 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 required to obtain X- and K-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.  
 If DSN coverage changes to an antenna that supports X- and S-band instead, then change Opmode to RSS2.  
 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