



Display

Request

[Crit Diff](#)

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_251EA_SCE13003_RSS	
Title:	Solar Conjunction Experiment (SCE) #13	Revision: 2
Rev Created:	28 Sep 2016, 16:58, by Anabtawi, Aseel	Priority: 2
Updated:		Comments: 0
Start Time:	2016-336T02:23:00 GMT	
Pre Start Tolerance:	000T00:00:00	
Post Start Tolerance:	000T00:00:00	
Duration:	000T04:50:00	
End Time:	2016-336T07:13:00 GMT	
Change:	Update Times and Name	
Change Justification:	Revision1, 9/28/16, Update Times and Name: Canberra downlink shortened during DSN negotiations. Switched to BWG at some point and then back to 70-m. Moved from Rev 250 to 251. -Aseel	
Visibility:	Public	
SPASS Type:	SPASS Rider (Collaborative: No)	
Group Filter:	TOST	
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-43 required for X- and S-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:	RSS2/RWA	Telem Mode:	-
Power (watts):	41.7	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:	SBT on at start; off at end.		
IEB Text:			
Apgen Fields			
Activity Type:	RSS Activity		

Attributes		Parameters	
Legend:	RSS	CDSWords:	200
Duration:	000T04:50:00	Power:	41.7
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-43 required to obtain X- and S-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

[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