

STEREO CONFIGURATION CHANGE REQUEST

For Office Use Only	TITLE: IMPACT Power Allocation	CLASS:	NUMBER:
		I II	DATE:
CONFIGURED ITEM:		ORIGINATOR:	PRIORITY:
STS Number:	Payload: STEREO	Name: Dave Curtis	<input checked="" type="checkbox"/> Routine
Component :	Experiment: IMPACT	Organization: U.C. Berkeley	<input type="checkbox"/> Urgent
Component Part #:	Serial #:	Phone: 510-642-5998	<input type="checkbox"/> Emergency
		Email: dwc@ssl.berkeley.edu	
TYPE OF REQUEST:	RESPONSIBLE ORGANIZATION/INDIVIDUAL:	IMPACTS: (If yes attach additional pages)	
<input type="checkbox"/> Configuration			
<input checked="" type="checkbox"/> Deviation #		COST:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Waiver #		SCHEDULE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Other:			
REASONS FOR CHANGE:			RETEST REQUIRED:
<input type="checkbox"/> Improvement	<input type="checkbox"/> Test/Payload Failure	<input type="checkbox"/> New Document:	<input type="checkbox"/> No
<input type="checkbox"/> Reliability	<input type="checkbox"/> Specification Requirements	<input checked="" type="checkbox"/> Other:	<input type="checkbox"/> Yes
PROPOSED CHANGE (Attach additional pages as required): Adjust the IMPACT operational power allocation in the <i>STEREO Resource Allocations Document (460-RQMT-0034 Rev C, Section 5.1)</i> from 20.3W to 23.6W.			
RATIONALE (Attach additional pages as required): IMPACT has made power measurements on a combination of EM and FM hardware, including all power converters. The estimated average operational power for IMPACT is 22.6W. Uncertainty in this power estimate lies primarily in operational heater power, which will firm up after thermal balance testing in the coming months. Increasing the allocation to 23.6W provides a margin of 1.0W, a quantity commensurate with the instrument's power uncertainty. Currently, observatory operational power margin is 14.9%.			
DOCUMENTS/DRAWINGS AFFECTED (Document No./Title/Section) : 460-RQMT-0034 Rev C / <i>STEREO Resource Allocations Document</i> / Section 5.1			
AFFECTED (Check all that apply):			
FLIGHT SYSTEMS:		GROUND SYSTEMS:	
<input type="checkbox"/> Avionics	<input type="checkbox"/> Electrical and Cables	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Experiment	<input type="checkbox"/> Software/Firmware	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Structures and Mechanical	<input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/> Other:
REQUIRED APPROVAL DATE: _____			
REQUIRED JUSTIFICATION:			
			(Page 1 of 2)

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			I		DATE:	
		II				
CONTRACT/AGREEMENT NUMBER EFFECTIVITY:						
STEREO NAS5-97271	√	IMPACT S-13635Y	PLASTIC NAS5-00132	SECCHI S-13631Y		
DOCUMENTS/DRAWINGS TO BE REVISED:						
Document/Drawing Number:	Document/Drawing Title:	Section(s) No.	EO No.:	Date Completed:		
PROCESSING APPROVAL:						
	CCB					
	Out of Board					
	Emergency	Systems Engineer			Date	
CCB APPROVAL:						
CCB ACTION DATE:		CCB ACTION ITEMS/CONDITIONS:				
	Approved Denied Withdrawn Hold					
CLOSEOUT COMMENTS:						
				DATE OF CLOSEOUT:		
				CMO		