

## STEREO CONFIGURATION CHANGE REQUEST

For Office Use Only	TITLE:	CLASS:	NUMBER:					
		I II	DATE:					
CONFIGURED ITEM:		ORIGINATOR:		PRIORITY:				
STS Number:	Payload: <b>STEREO</b>	Name: <b>Dave Curtis</b>	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Urgent <input type="checkbox"/> Emergency					
Component :	Experiment: <b>IMPACT</b>	Organization: <b>U.C. Berkeley</b>						
Component Part #:	Serial #:	Phone: <b>510-642-5998</b>						
		Email: <b>dwc@ssl.berkeley.edu</b>						
TYPE OF REQUEST:		RESPONSIBLE ORGANIZATION/INDIVIDUAL:		IMPACTS: (If yes attach additional pages)				
<input type="checkbox"/>	Configuration			COST:	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<input checked="" type="checkbox"/>	Deviation #							
<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"/>	No				
<input type="checkbox"/>	Reliability	<input checked="" type="checkbox"/> Specification Requirements	<input type="checkbox"/> New Document:	<input type="checkbox"/>				
			<input type="checkbox"/> Other:	<input type="checkbox"/> Yes				
PROPOSED CHANGE (Attach additional pages as required):								
<p>The SWEA door actuation will cause a ~0.7A ~30ms transient when activated (1 time). Normal SWEA current is ~100mA. This violates the Project EMC requirements (transient currents) as called out in 7381-9030, section 3.2.1.3 and 7381-9003 section 3.10.3.</p>								
RATIONALE (Attach additional pages as required):								
<p>The SWEA door is activated one time early in the mission (during commissioning). The door is activated off the primary power bus rather than an actuator circuit in order to save wires in the boom harness (which has stiffness issues during deployment). This issue has been discussed before and is documented in the IMPACT ICD, but as it violates this requirement this waiver has been submitted.</p>								
DOCUMENTS/DRAWINGS AFFECTED (Document No./Title/Section) :								
AFFECTED (Check all that apply):								
FLIGHT SYSTEMS:		GROUND SYSTEMS:						
<input type="checkbox"/>	Avionics	<input type="checkbox"/>	Electrical and Cables	<input type="checkbox"/>				
<input checked="" type="checkbox"/>	Experiment	<input type="checkbox"/>	Software/Firmware	<input type="checkbox"/>				
<input type="checkbox"/>	Structures and Mechanical	<input type="checkbox"/>	Other:	<input type="checkbox"/>				
REQUIRED APPROVAL DATE: _____								
REQUIRED JUSTIFICATION:								
				(Page 1 of 2)				

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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	