## STEREO CONFIGURATION CHANGE REQUEST

		TITLE:						CLASS:			NUMBER:						
For Office		Waiver to approve the use of Shin-Etsu					l			Ι							
					nanufacture of the												
LET/HET SSD			SSD's	on IMPACT.					п								
Use	Only									п	DATE: 1/7/2003						
CON	IFIGURE	D ITEN	<b>/</b> I:					ORIGINAT	'OR:	PRIORITY				ΓY:			
								Name: Lil Reichenthal					_		r		
STS Number:					Payload:	STERE	C	Organizatio	n NASA	A/GSFC Routin				ıtine			
Component :					Experiment: IMPACT Phone: 301					-286-5634 x					Urg	gent	
Com	ponent P	art			Serial #: Email: Lillia			Lilliar	n.S.Reichenthal@nas				Emergency				
#:									a.gov	jov							
TYP	E OF REG	UEST:			RESPONSI	RESPONSIBLE ORGANIZATION/INDIVIDUAL:				IMPACTS:							
	-									(If ye	s attach a	addi	tion	al pa	pages)		
	Configur	ation															
	Deviatio	Deviation #			Tycho VonRosenvinge				COST:			Yes		x	No		
X	Waiver		#														
	Other:								SCHEDULE			Yes		x	No		
										:							
REA	SONS FC	R CHA	ANG	Æ:	<u></u>			RETEST REQUIRED:									
	Improve				yload Failure New Document:			nt:									
	Reliabilit				ation Requirements Other:				Yes								
PRO	POSED C	HANC	GE (A	-	ditional page		ed):										
								hesive KJR-90									
		of the	soli	d-state o	detectors for	r IMPACT/	/LET	and HET on S	TEREO.	This is	s not a l	NASA	A ap	pro	ved		
adhe	esive.																
БАТ		(				1)											
				•	ages as requi						6.1.			.,			
								l, we use only v ly, the maximu									
								hat NASA norn									
outg	assing ver	tsfor H	ET a	nd LET a	are pointed w	ell away fro	om wh	ere SECCHI is l	ocated. Fi	nally, I	will men	tion	that	the p	prope	erties of	
		-				•		nd possible crac					r the	e requ	uired	range	
of temperature and vibration levels. It would be an expensive research project to find an alternate material.																	
We ł	nave subm	itted an	1 L1 (	detector i	from LET for	an outgassi	ing tes	t by Fred Gross	in the Ma	aterials	Branch h	ere a	t Goo	ddar	d. T	his	
								C in vacuum fo									
				•			-	, and after 90 ho						-			
-	predominantly due to outgassing of water absorbed by the G10 fiberepoxy detector mount. The 0.35 mg lost in the final 60 hours of the test is only 0.025% of the total detector mass. The proportion of the measured weight loss due to the Shin-Etsu adhesive is																
	unknown.																
Thor	There will be 10 L1 type detectors in LET. The Shin-Etsu adhesive is a significantly smaller proportion of the mass of the other																
	detectors than for the L1 detectors but the absolute amounts are larger. Based on an estimate of the volume of the Shin-Etsu adhesive																
								ve from the 10 I									

detectors.

DO	CUMENTS/DRAWINGS AI	FFECTED (Document No./Tit	le/Section) : n/a							
AF	AFFECTED (Check all that apply):									
FLI	GHT SYSTEMS:									
	Avionics	Electrical and Cables								
x	Experiment	Software/Firmware								
	Structures and Mechanical	Other:		Other:						
REQUIRED APPROVAL DATE:										
REQUIRED JUSTIFICATION:										
					(Page 1 of 2)					

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	TITLE:		CLASS:			NUMB	NUMBER:			
For Office					Ι					
Use Only				II			DATE:			
CONTRACT/AGREEMENT NUMBER EFFECTIVITY:										
√ STERE	O NAS5-97271	IMPACT S-13635Y	PLASTIC NAS5-00132			SECC	SECCHI S-13631Y			
DOCUMENTS/DRAWINGS TO BE REVISED:										
Documen	t/Drawing Number:	Document/Drawing Title:				EO No.:	1			
PROCESS	ING APPROVAL:									
	ССВ									
	Out of Board									
	Emergency	Systems I	Engineer	Date						
CCB APP	ROVAL:									
CCB ACTI	ON DATE:	CCB ACTION ITEMS/CONDITIONS:								
	Approved									
	Denied									
	Withdrawn									
	Hold									
CLOSEOU	T COMMENTS:		DATE OF CLOSEOUT:				COUT:			
				СМО						

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