STEREO IMPACT

PROBLEM REPORT PR-7009 **SEPT-NS Bracket** 2005-7-27

PR Numbers: 1xxx=UCB, 2xxx=Caltech/JPL, 3xxx=UMd, 4xxx=GSFC/SEP, 5xxx=GSFC/Mag,

6xxx=CESR, 7x	xxx=Keil, 8xxx=ESTEC, 9xxx=MP	Ae		
Assembly : IMPACT SEP		SubAssembly: SEPT-NS		
Component/Part Number:		Serial Number: F	Serial Number: FM1 (SN002),	
		FM2(SN004)		
Originator: Lil Reichenthal		Organization: NA	Organization: NASA/GFSC, U of Kiel	
Phone : 301-286-5634		Email: Lillian.S.l	Email: Lillian.S.Reichenthal@nasa.gov	
Failure Occurred	During (Check one √) ☐ Qualification test	☐ S/C Integration	☐ Launch operations	
A Committee of the Comm	en failure occurred:	□ C1 1		
√ Ambient □ Thermal	☐ Vibration☐ Vacuum	☐ Shock☐ Thermal-Vacuum	☐ Acoustic ☐ EMI/EMC	
	□ vacuum	□ Thermai-vacuum		
Problem Description				
	at mount the SEPT-NS instru apped bracket. Typically, 1.5		only 0.12" of thread pproximately 0.246") is used.	
	Analyses Perform	ed to Determine Cau	se	
slightly fewer than for	visually examined. The inspet or threads were in the tapped y have been damaged (yielde	bracket section. At the tor	1D of thread engagement and eque values used, the internal	
Corrective Action/ Resolution				
√Rework	□Repair	☐ Use As Is	□ Scrap	
	and tapped hole. There was		earance hole could be used in pened up and for nuts on the	
 Opened up the applied to the n Replaced the M locking nut to r Applied a torque This torque ap 	newly drilled-out holes. I4 mounting bolt with a #8-32 mount the instrument. In of 16 in-lb to each bolt. The	2 socket head cap screw (ti e torque applied was ~16 i well within the capability	n-lb (plus running torque). of the Ultem and high enough	
	en: 2 Aug 2005 n Required/Performed		**	
Closure Approvals				
	Subsystem Lead:		Date:	
TI (TI) (TIII II)			.	
, , ,			Date:	
NASA INIPAC	i instrument ivianager:		Date:	

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