STEREO IMPACT

PROBLEM REPORT PR-4004 von Rosenvinge 06/26/05

PR Numbers: 1xxx=UCB, 2xxx=Caltech/JPL, 3xxx=UMd, 4xxx=GSFC/SEP, 5xxx=GSFC/Mag, 6xxx=CFSP, 7xxx=Voil, 8xxx=FSTEC, 0xxx=MPAn

6xxx=CESR, 7xx	x=Keil, 8xxx=ESTEC, 9xxx=MP	Ae		
Assembly: HET Instrument		SubAssembly:	SubAssembly:	
Component/Part Number:		Serial Number:	Serial Number:	
Originator: von Rosenvinge		Organization: GS	Organization: GSFC	
Phone: 301-286-6721		Email: tycho@milkway.gsfc.nasa.gov		
Failure Occurred 1 X Functional test	During (Check one √) ☐ Qualification test	☐ S/C Integration	☐ Launch operations	
Environment when	n failure occurred:			
☐ Ambient	☐ Vibration	□ Shock	☐ Acoustic	
\square Thermal	□ Vacuum	x Thermal-Vacuum	□ EMI/EMC	
	Problem	n Description		
	1 TODICII	Description		
detectors to use the stim was not correct, the HE	n pulser to produce an event T H4 detector was not respo te H4 detector were resent a	with a particular gain and onding properly to the conding the expected stim even	•	
Analyses Performed to Determine Cause				
user during the CPT. A H6 detector. The comm second and third parame last 4 bits for the second reconfigured the H4 det The software and hardw	typo was discovered in the nand parameters need to be eter. The software interpred parameter and then a defa- ector as instructed, which c	subsequent command seq separated with blanks, a b ted the second command p ult of 0 for the third param ancelled out the correct pr erpret all commands; the e	sequence that was sent by the quence used to configure the lank was missing between the parameter correctly (using the leter). This command eviously sent H4 command.	
Corrective Action/ Resolution				
□ Rework	☐ Repair	X Use As Is	□ Scrap	
Verify the commands as sending to the HET pha	-	orrectly, with blanks separ	rating the parameters, before	
	n:no action needed. Required/Performed			
Closure Approvals				
Subsystem Lead: IMPACT Project Manager: IMPACT QA: NASA IMPACT Instrument Manager:			Date: Date Date: Date:	