

PAYLOAD HAZARD REPORT		a. NO: GHR-AMS02-014
b. PAYLOAD: Alpha Magnetic Spectrometer-02 (AMS-02) GSE		c. PHASE: II
d. SUBSYSTEM: GSE, Payload	e. HAZARD GROUP: Human Factors	f. DATE: May 2008
g. HAZARD TITLE: Sharp Edges		i. HAZARD CATEGORY <input type="checkbox"/> CATASTROPHIC <input checked="" type="checkbox"/> CRITICAL
h. APPLICABLE SAFETY REQUIREMENTS: KHB 1700.7C, Section 4.2.1., 4.2.1.4.		
i. DESCRIPTION OF HAZARD:  Personnel injury as a result of coming into contact with sharp edges on AMS-02 GSE and flight hardware.		
k. HAZARD CAUSES:  1. Improper manufacturing of GSE. 2. Sharp edges on flight hardware.		
l. HAZARD CONTROLS:  (See continuation sheet)		
m. SAFETY VERIFICATION METHODS:  (See continuation sheet)		
n. STATUS OF VERIFICATION:  (See continuation sheet)		
o. APPROVAL	PAYLOAD ORGANIZATION	SSP/ISS
PHASE I		
PHASE II	<i>J. M. JENNIFER MARTIN</i> 10/3/08	<i>[Signature]</i> 10/3/08
PHASE III		

<b>PAYLOAD HAZARD REPORT CONTINUATION SHEET</b>		a. NO:	GHR AMS02-- 014
b. PAYLOAD:   Alpha Magnetic Spectrometer-02 (AMS-02) GSE		c. Phase	II
k. HAZARD CAUSES:			
1.   Improper manufacturing of GSE.			
l. HAZARD CONTROLS:			
1.1   GSE design will meet the requirements of MIL-STD-1472 and NASA-STD-3000.			
1.2   Procedures will implement methods of controlling sharp edges (i.e. such as from locking wire and wire ties).			
1.3   Warnings will be in place for sharp edges that cannot be controlled by design.			
m. SAFETY VERIFICATION METHODS:			
1.1.1   Inspection of GSE.			
1.2.1   Review of AMS-02 procedures.			
1.3.1   Review of procedures to ensure warnings are in place.			
n. STATUS OF VERIFICATION:			
1.1.1            Open			
1.2.1            Open			
1.3.1            Open			

<b>PAYLOAD HAZARD REPORT CONTINUATION SHEET</b>		a. NO:	GHR AMS02-- 014
b. PAYLOAD:    Alpha Magnetic Spectrometer-02 (AMS-02) GSE		c. Phase	II
k. HAZARD CAUSES:			
2.    Sharp edges on flight hardware.			
l. HAZARD CONTROLS:			
2.1   Flight hardware meets the requirements of NSTS 07700, Vol XIV, Appendix 7 (with the exception of the Star Tracker baffles).			
2.2   Keep out zones will be established for those areas that have sharp edges.			
m. SAFETY VERIFICATION METHODS:			
2.1.1   Review of design.			
2.2.1   Review of AMS-02 procedures to ensure inclusion of keep out zones.			
n. STATUS OF VERIFICATION:			
2.1.1            Open			
2.2.1            Open			