

<b>PAYLOAD HAZARD REPORT</b>		a. NO: GHR-AMS02-014
b. PAYLOAD: Alpha Magnetic Spectrometer-02 (AMS-02) GSE		c. PHASE: III
d. SUBSYSTEM: GSE, Payload	e. HAZARD GROUP: Human Factors	f. DATE: August 2010
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.		
j. DESCRIPTION OF HAZARD: Non-disabling 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		
PHASE DIII	<i>J. W. TREATMAN</i> 8/25/10	<i>[Signature]</i> 8/25/10

<b>PAYLOAD HAZARD REPORT CONTINUATION SHEET</b>	a. NO: GHR-AMS02-014
b. PAYLOAD: Alpha Magnetic Spectrometer-02 (AMS-02) GSE	c. Phase III
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 Warning labels will be in place for sharp edges that cannot be controlled by design.	
m. SAFETY VERIFICATION METHODS: 1.1.1 Inspection of GSE to ensure there are no sharp edges. 1.2.1 Review of AMS-02 procedures to ensure sharp edges are avoided during maintenance operations. 1.3.1 Review of procedures to ensure warnings are in place.	
n. STATUS OF VERIFICATION: 1.1.1 Closed to SVTL. 1.2.1 Closed to SVTL. 1.3.1 Closed to SVTL.	

<b>PAYLOAD HAZARD REPORT CONTINUATION SHEET</b>	a. NO: GHR-AMS02-014
b. PAYLOAD: Alpha Magnetic Spectrometer-02 (AMS-02) GSE	c. Phase III
k. HAZARD CAUSES: 2. Sharp edges on flight hardware.	
1. 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, if necessary.	
m. SAFETY VERIFICATION METHODS: 2.1.1 Review of design to ensure compliance with NSTS 07700, Vol XIV, Appendix 7 (with the exception of the Star Tracker baffles). 2.2.1 Review of AMS-02 procedures to ensure inclusion of keep out zones, if necessary	
n. STATUS OF VERIFICATION: 2.1.1 Closed 10/23/2009. ESCG-4295-09-CPAS-MEMO-0005, <i>AMS-02 Sharp Edge Review</i> , 10/8/2009. 2.2.1 Closed 10/23/2009. ESCG-4295-09-CPAS-MEMO-0005, <i>AMS-02 Sharp Edge Review</i> , 10/8/2009.	