0120-208 B ✓ J7-285-020

JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): JDRoberts, ESCG 281-461-5109
2. Date Prepared: 08/28/07

Location of Item(s):

3. Building: 421 | Room: Bond | 4. Contact and Phone: Alfredo Cavallo,281-483-0287

5. Status of Items
- [ ] Transfer to Other NASA Center
- [x] Test and Return
- [ ] Replacement or Credit
- [ ] Relocation
- [ ] For Flight/Return
- [ ] GFP To Contractor
- [ ] Loan (Number) ____
- [ ] Vendor Owned
- [ ] Repair and Return
- [ ] Other NASA Ctr. Property

JF 1027 No.:

6. Shipping Information (Check One)
- [x] Prepaid
- [ ] Collect
- [ ] Government Funds (Cite #'s)
- [ ] Vendor Pickup
- [ ] Hand Carry
- [ ] Third Party Billing

7. Shipment in Direct Support of:
- [ ] Shuttle STS-
- [x] Space Station Mission: For Assy & Rtn
- [ ] Other, Please Explain

8. QUALITY CONTROL INFORMATION (Check Each)
- [x] Flight/Mission Essential
- [ ] GSE
- [ ] Non-Flight
- [ ] Other

	YES	NO
9. Materials Classified (Define Block 25)		X
10. Data Package Enclosed?		X

11. APPROVAL - Typed Name and Signature | DATE

Division Chief: 8/28/07

Property Custodian - Mail Code JE3ea: JD ROBERTS 8/28/07

Contracting Officer:

Quality Assurance Representative: 10/18/07

Direct Program Manager:

Other:

12. From: NASA/Lyndon B. Johnson Space Center
Transportation Officer, Bldg. 421
2101 NASA Road 1
Houston, Texas 77058

(For Return Shipments to JSC enter JSC Voucher Number in Block 16)

2007 OCT 15 AM 10:23

14. Date Required at Destination: 09/04/07 | Is 290A Used? NO
15. Voucher Number: J7-285-020
16. Authority Or Purpose: AMS-02 Project
17. Contract/Grant/T-order number:
18. Signature Supply and Equipment Management Officer: 10/15/07

13. Ship To
Academia Sinica, Institute of Physics
128 Yen Giu Yuan Road, Sec. 2
11529 Taipei
Taiwan

ATTENTION: Institute of Physics

19 TCN (Tracking Control Number): 0120-208
20. Date Shipped:
21. Mode of Shipment:

Ref: EA0120-285020
Dep: EA
Date: 10/15/2007
Wgt: 2.0 LBS
CV: 0.00
# of Pkgs: 1
Svcs: INTL PRIORITY
TRCK: 7201 4438 7459

SHIPPING:	25.66
SPECIAL:	0.00
HANDLING:	0.00
TOTAL:	25.66

24. Project Code:

Mark For/Phone Number: Tracy Liu, Tel: +886 2 2789 9696, Fax: +886 2 2788 8937

25. Remarks
Items listed are Class I. Shipment of items are for assembly of scientific instruments, provided under collaborative agreement between NASA and the destination institute. Expected return of items assembled in a higher level assembly is due in December 2007. Items listed is intended for Institute of Physics Academia Sincia.

26. Item No.	27. Equipment Control No.	28. Model/Stock/Part Number	29. Item Description, Serial No., Manufacturer No., Lot No., License Plate No., Class of Hardware	30. Unit of Issue	31. Qty.	32. Unit Price	33. Total Value
1		NAS1398D5A4	Rivet-Blind, Lot #86712448, Class I	ea	145	1.05	152.25
2		MS21209F1-10	Insert, Lot #C04558-01-03, Class I	ea	196	0.25	49.00
3		MS21209F1-15	Insert, Lot #C04831-02-03, Class I	ea	209	0.25	52.25
4		MS21209F4-10	Insert, Lot #C04562-02-11, Class I	ea	103	0.48	49.44
5		MS21209F4-15	Insert, Lot #C04833-05-11, Class I	ea	58	0.75	43.50

34. Recapitulation of Shipment (spaced below to be completed by logistics division only)

Issued By: 10/15/07
Remove ECN Tag? ☐ Yes ☐ No
Checked By: DA 10-15-07
Packed By: SAM 10-15-07

Total Containers	Type Container	Description	Total Weight	Total Cube
1	CT	16x12x8	2	0.9
1		Inserts	2	0.9

35. Receipt Info: Containers Rec'd; Quantities Rec'd; Date Rec'd; Rec'd By
36. Sheet Total: 346.44
37. Grand Total: 346.44
38. Receiving Voucher No.

JSC Form 290 (Rev October 16, 2006) (USE JSC Form 290A SHIPPING CONTINUATION SHEET IF ADDITIONAL SPACE IS REQUIRED) (Informed August 2000)

ORIGINAL

SEND A COPY OF THIS JF FORM 290 WITH RETURN SHIPMENT

Voucher Number

Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components

1. Are there any special documented requirements addressing special handling, packaging, and shipping that needs to be attached to the packing list for this item(s)? A copy of the information is to be attached and specified in block 25 of the 290 prior to submitting. ☐ Yes ☒ No
2. Does the item(s) identified on the 290 require clean room isolation? If yes, identify what cleanliness level (GC, VC, UV-VC, and types of Precision cleaned 100A, 200A, etc.) and specify the requirement document (e.g., SN-C-0005, D683-10450-1, other). If not a NASA document, a copy must be attached to the 290. ☐ Yes ☒ No
3. Is the item(s) identified on the 290 "Electrostatic Discharge" (ESD) sensitive? ☐ Yes ☒ No

   IS THE HARDWARE PACKAGED CORRECTLY FOR ESD SENSITIVITY? ☐ Yes ☒ No
4. Does the item(s) identified on the 290 contain any hazardous chemicals or materials? If yes, identify the type of chemicals or materials and provide the Material Safety Data Sheet for each item. ☐ Yes ☒ No

   a. Does the item(s) listed contain any explosive or pyrotechnic material? If yes, provide the classification and net weight of each item. ☐ Yes ☒ No

   b. Does the item(s) contain batteries. If yes, identify the type of battery? ☐ Yes ☒ No

   c. If the item(s) contains Lithium-Ion, Lithium Metal or Lithium Alloy, provide the total Lithium content or Lithium-equivalent per battery (grams). ☐ Yes ☒ No

   d. Does the item contain any radioactive materials? (This includes any hazardous radioactive material embedded in the item). If yes, provide a completed JSC Form 1625, "Radioactive Material Transfer Receipt." Ensure the item(s) are identified with the radiation symbols and clearly mark with the label(s) as shown in question 10. ☐ Yes ☒ No

   e. Does the item(s) contain any compressed pressure systems (e.g. cylinders)? If yes, identify the types of fluid or gas contained in the system and if gas, what is the pressure. ☐ Yes ☒ No

   f. Does the item contain any biological specimens? If yes, please identify, describe, and add the MSDS telling what to do in case of a spill, puncture, or rupture? ☐ Yes ☒ No
5. Does the item(s) require any special temperature or humidity control in its handling, packaging, or shipping? If yes, please identify and provide the following information in Fahrenheit: ☐ Yes ☒ No

   Minimum temperature: Minimum humidity:

   Maximum temperature: Maximum humidty:

Voucher Number

Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components

6. Are the item(s) perishable? If yes, identify, describe: ☐ Yes ☒ No

7. Does this item(s) require protection from exposure to the elements? If yes, identify. Be sure to change the "revision date" of this form. ☐ Yes ☒ No

8. Does this item(s) require special monitoring equipment (e.g. shock, humidity, vibration, or temperature sensors)? If yes, identify the type and duration of monitoring required? ☐ Yes ☒ No

9. Does this item(s) require any unique labeling and if yes, please check/verify appropriate label(s) to be used: ☐ Yes ☒ No

- ☐ NASA CRITICAL SPACE ITEM: HANDLE WITH CARE
- ☐ DELICATE INSTRUMENT: HANDLE WITH CARE
- ☐ THIS END UP
- ☐ FRAGILE LIQUID IN GLASS: HANDLE WITH CARE
- ☐ FRAGILE LIQUID IN PLASTIC: DO NOT CUT
- ☐ PERISHABLE RUSH
- ☐ FRAGILE
- ☐ SMALL PARTS ENCLOSED
- ☐ ELECTROSTATIC DISCHARGE CONTROL REQUIRMENTS
- ☐ CLEANLINESS
- ☐ DO NOT X-RAY
- ☐ LIMITED SHELF LIFE ITEMS - PROCESS IMMEDIATELY
- ☐ CONTROLLED ENVIRONMENT
- ☐ BIOLOGICAL SPECIMENS
- ☐ TEMPERATURE/HUMIDITY
- ☐ RADIOACTIVE MATERIAL
- ☐ CONTAINS HIGH PRESSURE
- ☐ DO NOT FREEZE
- ☐ OTHER

Printed Name	Mail Code	Signed Name	Date Signed	Phone Number	Cell Phone Number
J. D. Roberts	JE-3EA	J. D. Roberts	08/28/07	281-461-5109	

Date of Request 08/28/07

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA-07-242-002

Directions: At least 90 days prior to exporting hardware, software or data to a foreign national, submit this form to your Export Control Representative

SECTION 1 (complete for all exports)

Date of Export: ~~8/31/07~~ 9/4/07

Requested by: Michael Fohey **Org/Company:** EA1 / Jacobs Sverdrup **Phone Number:** (281) 461-5684

Email: michael.fohey@escg.jacobs.com **Fax:** (281) 461-5926

General description of export (spell out acronyms) Inserts

Is this a temporary export? ☐ Yes ☒ No **If yes, when will it be returned?** 12/01/07

What requirement or agreement do we have with the foreign national to provide this export? JSC28792, Rev. D; AMS Integration Plan JSC63123

For what purpose it is being exported (what is the end-use?) Assembly into AMS-02 hardware at UPS Contact: Tracy Liu, Tel: +886 2 2789 9696

To whom is it being exported? *(or attach ProForma invoice)* Academia Sinica, Institute of Physics, 128 Yen Giu Yuan Road, Sec. 2, 11529 Taipei, Taiwan

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 8/30/07

Type of export (mark all that apply):

☒ Hardware ☐ Software ☐ Data ☐ Information via discussions

(if you checked hardware or software, please attach a completed Proforma Invoice --)

Method of export (mark all that apply):

☐ Discussion ☒ JSC Transportation Office ☐ Hand carry ☐ JSC Mail Room ☐ Electronic ☐ Other

SECTION 2

Export Classification EAR99/NLR

Classification rationale Inserts are required for assembly into AMS flight hardware. Classification per memo from NASA HQ/UM to JSC/OZ2, dated 3/28/02. Status of AMS compliance with U.S. Export Regulations.

SECTION 3

Approvals

Stephen Lamkin — Date 8/30/07 — Phone (281)483-8264

Export classifications for this shipment were determined by

Signature of Export Control Official (ECR or CEA) — Date 10/11/07 — Phone (281) 483-8264

ES T Approval *(req'd for use of export license and license exemption/exception only)* — Date — Phone

JSC Form 1724 (Rev March 27, 2003) (Informed September 2000)

** THESE ITEMS HAVE NO COMMERCIAL VALUE ** **ProForma Invoice** 7201 4438 7459

Export Tracking Number: EA-05-243-001	License Number:	JSC Voucher Number: 07-285-030
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** Academia Sinica, Institute of Physics 128 Yen Giu Yuan Road, Sec. 2 11529 Taipei Contact: Tracy Liu Taiwan Tele: +886 2 2789 9696

"These items are exported from the United States for ultimate destination Taiwan, in accordance with the Export Administration Regulations. Diversion, retransfer, disclosure, or use contrary to applications specified in NASA agreement without prior written U.S. authorization are prohibited."

Item	Qty	Detailed Description	NASA Tag and/or Serial/Stock Number	Manufacturer Country of Origin	* Weight (kgs)	ECCN/USML CAT	License/ Exemption/ Exception	Schedule B No. (see census.gov)	Sched. B Qty	Unit Value	Total Cost
1	145	NAS1398D5A4, Rivet-Blind, Lot #86712448, Class I	NONE	Cherry -USA		EAR99	NLR			$1.05	$152.25
2	196	MS21209F1-10, Insert, Lot #C04559-01-03, Class I	NONE	Kato -USA		EAR99	NLR			$0.25	$49.00
3	209	MS21209F1-15, Insert, Lot #C04831-02-03, Class I	NONE	Kato -USA		EAR99	NLR			$0.25	$52.25
4	103	MS21209F4-10, Insert, Lot #C04562-02-11, Class I	NONE	Kato -USA		EAR99	NLR			$0.48	$49.44
5	58	MS21209F4-15, Insert, Lot #C04833-05-11, Class I	NONE	Kato -USA		EAR99	NLR			$0.75	$43.50
		"NO SED REQUIRED – NO INDIVIDUAL SCHEDULE B NUMBER VALUED OVER $2,500".									
		ALL ITEMS ARE PACKED IN ONE CARTON									

Total All Sheets: $346.44

Traffic Management Specialist — Date 10-15-07

for AGGIE WILLIAMS

This is not a sale, value shown is for Customs purposes only.

Notes:
1. This form must be completed for all exports.
2. Shipments to Russia require invoice transition by initator.

JSC Form 1735 (Rev June 24, 2004) (Informed April 2004)