3046-207 B J7-234-011

JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): JD Roberts, 281-461-5109
2. Date Prepared: 08/21/07

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.: N/A

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 ____
- [ ] Space Station Mission: ____
- [ ] Other, Please Explain: For ass'y & test

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	8/22/07
Property Custodian - Mail Code JE3ea, JD ROBERTS	8/22/07
Contracting Officer	
Quality Assurance Representative	8/22/07
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, Include Voucher Number from block 16)

2007 AUG 22 PM 3:58

14. Date Required at Destination: 08/27/07 | Is 290A Used? YES | 15. Voucher Number: J7-234-011

16. Authority Or Purpose: AMS-02 Project | 17. Contract/Grant/T-order number

18. Signature Supply and Equipment Management Officer: FOS 8-22-07

13. Ship To
Ingeniero Industrial
Sección Mecánica
CIEMAT
Building 2
Dpto. Investigación Básica
Avda. Complutense 22
28040 Madrid, Spain

19. TCN (Tracking Control Number): 3046-207
20. Date Shipped: 8/23/07
21. Mode of Shipment: FEDEX INTL
22. Bill of Lading: 8585 1817 3906
23. Appropriation/Funding Data
24. Project Code

Mark For/Phone Number: Carlos Díaz Ginzo, Phone: 0034 913466274

25. Remarks
Shipment of items arefor assembly of scientific instruments, provided under collaborative agreement between NASA and the destination institute. All items listed are Class I.

8/22/07

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		NAS1351N3-8	Screw, Cap, Socket Head, CRES, Undrilled Head, .1900-32 UNRF-3A, 0.500L, B/L# 82992, Class I	ea	83	1.75	145.25
2		NAS1351N3-24	Screw, Cap, Socket Head, CRES, Undrilled Head, .1900-32 UNRF-3A, 1.500L, B/L# 81316, Class I	ea	93	2.25	209.25
3		NAS1351N3-10	Screw, Cap, Socket Head, CRES, Undrilled Head, .1900-32 UNRF-3A, .625L, B/L# 43574, Class I	ea	83	2.00	166.00

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

Issued By: 8/23/07 | Remove ECN Tag? ☐ Yes ☐ No

Checked By	Total Containers	Type Container	Description	Total Weight	Total Cube
8/23/07	1	CT	14x12x6	6	0.6
Packed By JOE 8-23-07	1	CT	SCREWS/WASHERS	6	0.6

35. Receipt Info: Containers Rec'd; Quantities Rec'd; Date Rec'd; Rec'd By

36. Sheet Total: 520.50
37. Grand Total: 2,354.75
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 2006)

ORIGINAL

SEND A COPY OF THIS JF FORM 290 WITH RETURN SHIPMENT

SHIPPING DOCUMENT (Continuation Sheet)

TCN

VOUCHER NO.

15. ITEM NO.	16. EQUIPMENT CONTROL NUMBER	17. MODEL NUMBER/ STOCK NUMBER/ PART NUMBER	18. ITEM DESCRIPTION, SERIAL NO., MANUFACTURER NO., LOT NO., LICENSE PLATE NO., CLASS OF HARDWARE	19. UNIT OF ISSUE	20. QTY	21. UNIT PRICE	22. TOTAL VALUE
4		NAS1351N08-8	Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .500L, B/L# 33897-030702	ea	15	7.50	112.50
5		NAS1351N08-6	Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .375L, B/L# 79522	ea	42	2.50	105.00
6		NAS1351N08-10	Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .625L, B/L# 82462	ea	83	3.00	249.00
7		NAS1351N08-24	Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-32 UNRF-3A, 1.500L, B/L# 10133	ea	63	13.85	872.55
8		MS21209F1-10L	Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# C04769-01-04W	ea	80	0.50	40.00
9		MS21209F1-20L	Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# C05582-01-03W	ea	60	0.50	30.00
10		MS21209F1-15L	Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# C06840-01-07W-01	ea	30	0.82	24.60
11		MS21209F08-15L	Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1640-36, with Dry Film Lubricant, B/L# C06690-01-04W-01	ea	150	0.65	97.50
12		MS21209F1-25L	Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# 122575	ea	80	1.10	88.00
13		NAS620C10L	Washer, Flat, B/L# 328815-1	ea	250	0.10	25.00
14		NAS620C8L	Washer, Flat, B/L# 330385-18	ea	140	0.19	26.60
15		NAS1291C08M	Nut, Self-Locking, B/L# RK140	ea	60	0.85	51.00
16		NAS1351N08-8	Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .500L, B/L# 40347	ea	15	7.50	112.50

JSC Form 290A (Rev June 30, 2005) (Informed August 2000)

SheetTot 1,834.25

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	08/21/08	(281) 461-5109	

Date of Request 08/21/07

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA1-07-234-002

Direct□□□□: 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: 8/24/07

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) Screws, Inserts, Washers

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

For what purpose it is being exported (what is the end-use?) Assembly into AMS-02 hardware. Contact: Carlos Díaz Ginzo, Phone: 0034 913466274

To whom is it being exported? *(or attach ProForma invoice)* Ingeniero Industrial, Sección Mecánica, Building 2, CIEMAT, Av. Complutense, 22, 28040 MADRID, Spain

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 8/22/07

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 Items are 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 8/22/07 — (281) 483-8264

Export classifications for this shipment were determined by — Phone

Signature of Export Control Official (ECR or CEA) — Date 8/22/07 — (281) 483-8264 — Phone

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)

ProForma Invoice

Export Tracking Number: EA-07-234-002	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):** Contact: Carlos Díaz Ginzo, Phone: 0034 913466274 >>	**Destination (include phone contact):** Ingeniero Industrial, Sección Mecánica CIEMAT Building 2, Dpto. Investigación Básica Avda. Complutense, 2228040 MADRID, SPAIN

"These items are exported from the United States for ultimate destination Spain, 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	83	NAS1351N3-8, Screw, Cap, Socket Head, CRES, Undrilled Head, .1900-32 UNRF-3A, 0.500L, B/L# 82992, Class I	NONE	B & B Spec. -USA		EAR99	NLR			$1.75	$145.25
2	93	NAS1351N3-24, Screw, Cap, Socket Head, CRES, Undrilled Head, .1900-32 UNRF-3A, 1.500L, B/L# 81316	NONE	B & B Spec. -USA		EAR99	NLR			$2.25	$209.25
3	83	NAS1351N3-10, Screw, Cap, Socket Head, CRES, Undrilled Head, .1900-32 UNRF-3A, .625L, B/L# 43574, Class I	NONE	Ideal Fasteners - USA		EAR99	NLR			$2.00	$166.00
4	15	NAS1351N08-8, Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .500L, B/L# 33897-030702	NONE	Ideal Fasteners - USA		EAR99	NLR			$7.50	$112.50
5	42	NAS1351N08-6, Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .375L, B/L# 79522	NONE	B & B Spec. -USA		EAR99	NLR			$2.50	$105.00
6	83	NAS1351N08-10, Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .625L, B/L# 82462	NONE	B & B Spec. -USA		EAR99	NLR			$3.00	$249.00

Total All Sheets: $2,354.75

Traffic Management Specialist **Date**

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

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

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

ProForma Invoice

Export Tracking Number:	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):** Contact: Carlos Díaz Ginzo, Phone: 0034 913466274 >>	**Destination (include phone contact):** Ingeniero Industrial, Seccion Mecanica CIEMAT Building 2, Dpto. Investigación Básica Avda. Complutense, 2228040 MADRID, SPAIN

"These items are exported from the United States for ultimate destination Spain, 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
7	63	NAS1351N08-24, Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-32 UNRF-3A, 1.500L, B/L# 10133	NONE	Ideal Fasteners - USA		EAR99	NLR			$13.85	$872.55
8	80	MS21209F1-10L, Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# C04769-01-04W	NONE	Kato - USA		EAR99	NLR			$0.50	$40.00
9	60	MS21209F1-20L, Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# C05582-01-03W	NONE	Kato - USA		EAR99	NLR			$0.50	$30.00
10	30	MS21209F1-15L, Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# C06840-01-07W-01	NONE	Kato - USA		EAR99	NLR			$0.82	$24.60

Total All Sheets: _____

_____ _____
Traffic Management Specialist **Date**

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

ProForma Invoice

Export Tracking Number:	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):** Contact: Carlos Díaz Ginzo, Phone: 0034 913466274 >>	**Destination (include phone contact):** Ingeniero Industrial, Sección Mecánica CIEMAT Building 2, Dpto. Investigación Básica Avda. Complutense, 2228040 MADRID, SPAIN

"These items are exported from the United States for ultimate destination Spain, 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
11	150	MS21209F08-15L, Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1640-36, with Dry Film Lubricant, B/L# C06690-01-04W-01	NONE	Kato - USA		EAR99	NLR			$0.65	$97.50
12	80	MS21209F1-25L, Insert, Screw-Locking, Helical Coil, Fine Thread, CRES, .1900-32, with Dry Film Lubricant, B/L# 122575	NONE	Alcoa - USA		EAR99	NLR			$1.10	$88.00
13	250	NAS620C10L, Washer, Flat, B/L# 328815-1	NONE	Superior - USA		EAR99	NLR			$0.10	$25.00
14	140	NAS620C8L, Washer, Flat, B/L# 330385-18	NONE	Superior - USA		EAR99	NLR			$0.19	$26.60
15	60	NAS1291C08M, Nut, Self-Locking, B/L# RK140	NONE	Republic Fasteners - USA		EAR99	NLR			$0.85	$51.00
16	15	NAS1351N08-8, Screw, Cap, Socket Head, CRES, Undrilled Head, .1640-36 UNRF-3A, .500L, B/L# 40347	NONE	Ideal Fasteners - USA		EAR99	NLR			$7.50	$112.50

Total All Sheets: _____

Traffic Management Specialist _____ **Date** _____

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

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

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