0111-207 B J6-286-001

JSC SHIPPING DOCUMENT

1. Originator (Name, Org. Code, Phone): JD Roberts,EA2, 281-461-5109
2. Date Prepared: 10/11/06

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: ____
- [x] Other, Please Explain: For Assy & Test

8. QUALITY CONTROL INFORMATION (Check Each)
- [ ] Flight/Mission Essential
- [x] 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	10/11/06
Property Custodian - Mail Code JE3ea JD ROBERTS	10/11/06
Contracting Officer	
Quality Assurance Representative	10/16/06
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)

14. Date Required at Destination: 10/17/06 | Is 290A Used? YES
15. Voucher Number: J6-286-001
16. Authority Or Purpose: AMS-02 Project
17. Contract/Grant/T-order number:
18. Signature Supply and Equipment Management Officer: 10-17-06

13. Ship To:
LABORATORIO SERMS
Via Pentima Bassa 21, 05100
Terni (TR)
Italy

19. TCN (Tracking Control Number): 0111-207
20. Date Shipped: 10/17/06
21. Mode of Shipment: ELITE AIRFREIGHT
22. Bill of Lading: NJS07-00[illegible], 989
23. Appropriation/Funding Data:
24. Project Code: SPD

Mark For/Phone Number: Bruna Bertucci, phone: +39.0744.49.29.13 or +39.0744.49.29.11

25. Remarks
Items listed are Class GSE. Temporary shipment of items 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.

10/16/06

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		SDG38117202-301	X & Y Transition Frame, S/N L/N NA, Class GSE	ea	1	58,000.00	58000.00
2		SDG38117187-301	Z Transition Frame, S/N L/N NA, Class GSE	ea	1	46,000.00	46000.00
3		SDG38118895-002	X&Y Shaker Riser, S/N L/N NA, Class GSE	ea	1	15,556.00	15556.00
4		SDG38118895-001	Z Shaker Riser, S/N L/N NA, Class GSE	ea	2	3,104.00	6208.00

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

Issued By: UM 10/17/06
Remove ECN Tag? ☐ Yes ☐ No
Checked By: 10/17/06
Packed By: SAM 10-17-06

Total Containers	Type Container	Description	Total Weight	Total Cube

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

36. Sheet Total: 125,764.00
37. Grand Total: 143,832.65 ~~143,270.40~~
38. Receiving Voucher No.

JSC Form 290 (Rev August 2000) (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

SHIPPING DOCUMENT (Continuation Sheet)

TCN

VOUCHER NO. J6-286-001

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
5.		SDG38118886-001	Rotation Support Beam A, S/N L/N NA, Class GSE	ea	4	2,024.50	8,098.00
6.		SDG38117214-001	Transition Frame Adapter Plate Shim, S/N L/N NA, Class GSE	ea	6	398.00	2,388.00
7.		SDG38119502-001	Bottle Jack Collar, S/N L/N NA, Class GSE	ea	4	344.00	1,376.00
8.		SDG38118892-001	Vacuum Case Jack Plate, S/N L/N NA, Class GSE	ea	4	637.00	2,548.00
9.		SDG38118893-001	Vacuum Case Jack Plate Shim, S/N L/N NA, Class GSE	ea	4	404.00	1,616.00
10.		M2040933-10	Metric Hex Head Bolt M20 X 2.5 X 40 LG, Lot #0511-60817, Class GSE	ea	34	3.50	119.00
11.		M2070933-10	Metric Hex Head Bolt M20 X 2.5 X 70 LG, Lot #0511-61361, Class GSE	ea	10	7.50	75.00
12.		M2090931-10	Metric Hex Head Bolt M20 X 2.5 X 90 LG, Lot #0511-60764, Class GSE	ea	22	7.75	170.50
13.		M20934-10	Metric Nut M20 X 2.5 X 20, Lot #A701-623101A75, Class GSE	ea	24	4.00	96.00
14.		NAS1149E0663R	Washer, Plain, Flat .625 OD X .390 ID X .063 THK, Lot #8891-10/14/03, Class GSE	ea	30	0.80	24.00
15.		NAS1149E0863R	Washer, Plain, Flat .875 OD X .515 ID X .063 THK, Lot #8595, Class GSE	ea	180	0.86	154.80
16.		NAS1587-8C	Washer, CSK .875 OD X .504 ID X .078 THK, Lot #638/9/1-04, Class GSE	1090 ea	40	0.65	26.00
17.		M1045931-10	Metric Hex Head Bolt M10 X 1.5 X 45 LG, Lot #0602-51621, Class GSE	ea	147	1.50	220.50
18.		NAS1351N4-20	Screw, Cap, Socket Head .2500-28 UNRF-3A x 1.250 LG, Lot #81883, Class GSE	ea	246	1.10	270.60

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

SheetTot 17,182.40

SHIPPING DOCUMENT (Continuation Sheet)

TCN

VOUCHER NO. J6-286-001

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
19.		NAS1351N4-24	Screw, Cap, Socket Head .2500-28 UNRF-3A x 1.500 LG, Lot #40629, Class GSE	ea	48	2.25	108.00
20.		NAS1351N4-32	Screw, Cap, Socket Head .2500-28 UNRF-3A x 2.000 LG, Lot #42523, Class GSE	ea	18	12.00	216.00
21.		NA0179A100	M10 Steel Flat Washer, Lot #14827, Class GSE	ea	161	2.25	362.25

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

SheetTot 686.25

Voucher Number J6-286-001

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 J6-286-001

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	10/11/06	281-483-3296	

Date of Request 10/11/06

Johnson Space Center
Export Control Request and Approval Worksheet

Reference Number EA2-06-285-004

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: 10/16/06

Requested by: Phil Mott **Org/Company:** EA1 / Jacobs Sverdrup **Phone Number:** (281) 461-5712

Email: phillip.mott@escg.jacobs.com **Fax:** (281) 461-5926

General description of export (spell out acronyms) Test Fixtures, Fasteners

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?) Assemble with AMS-02 hardware for testing. Contact: Bruna Bertucci

To whom is it being exported? *(or attach ProForma invoice)* LABORATORIO SERMS, Via Pentima Bassa 21, 05100, Terni (TR), Italy, tel: +39.0744.49.29.13

What program does this export support? Alpha Magnetic Spectrometer (AMS) - 02 **Date denied parties/entities list checked:** 10/12/06

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 Test Fixtures, Fasteners are sent for assembly and testing. 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 Export classifications for this shipment were determined by	10/12/06 Date	(281)483-8264 Phone
Signature of Export Control Official (ECR or CEA)	10/12/06 Date	(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)

** THESE ITEMS HAVE NO COMMERCIAL VALUE **

ProForma Invoice

NJS07-00, 989

Export Tracking Number: EA2-06-285-004	License Number:	JSC Voucher Number:
Shipper: Transportation Officer, JB7 NASA Johnson Space Center Houston, Texas 77058 (281-483-6512)	**Intermediate Cosignee (when required):**	**Destination (include phone contact):** LABORATORIO SERMS Via Pentima Bassa 21, 05100 Terni (TR) Italy Contact: Bruna Bertucci Phone: +39.0744.49.29.13

"These items are exported from the United States for ultimate destination ITALY 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	1	SDG38117202-301, X & Y Transition Frame, S/N L/N NA, Class GSE	NONE	Jacobs - USA	479	EAR99	NLR	9024.10.0000		$58,000.00	$58,000.00
2	1	SDG38117187-301, Z Transition Frame, S/N L/N NA, Class GSE	NONE	Jacobs - USA	363	EAR99	NLR	9024.10.0000		$46,000.00	$46,000.00
3	1	SDG38118895-002, X&Y Shaker Riser, S/N L/N NA, Class GSE	NONE	Jacobs - USA	1198	EAR99	NLR	9024.10.0000		$15,556.00	$15,556.00
4	2	SDG38118895-001, Z Shaker Riser, S/N L/N NA, Class GSE	NONE	Jacobs - USA	343	EAR99	NLR	9024.10.0000		$3,104.00	$6,208.00
5	4	SDG38118886-001, Rotation Support Beam A, S/N L/N NA, Class GSE	NONE	Jacobs - USA	276	EAR99	NLR	9024.10.0000		$2,024.50	$8,098.00
6	6	SDG38117214-001, Transition Frame Adapter Plate Shim, S/N L/N NA, Class GSE	NONE	Jacobs - USA	2.5	EAR99	NLR	9024.10.0000		$398.00	$2,388.00
7	4	SDG38119502-001, Bottle Jack Collar, S/N L/N NA, Class GSE	NONE	Jacobs - USA		EAR99	NLR			$344.00	$1,376.00
8	4	SDG38118892-001, Vacuum Case Jack Plate, S/N L/N NA, Class GSE	NONE	Jacobs - USA	3.2	EAR99	NLR	9024.10.0000		$637.00	$2,548.00
9	4	SDG38118893-001, Vacuum Case Jack Plate Shim, S/N L/N NA, Class GSE	NONE	Jacobs - USA	0.2	EAR99	NLR	9024.10.0000		$404.00	$1,616.00

Total All Sheets: ~~$141,790.00~~ $143, 632.65

for Kristen Tollesson 10/18/06

Traffic Management Specialist — Date

SILVIA M. HANAGRIFF

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)

** THESE ITEMS HAVE NO COMMERCIAL VALUE **

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):	Destination (include phone contact): LABORATORIO SERMS Via Pentima Bassa 21, 05100 Terni (TR) Italy Contact: Bruna Bertucci Phone: +39.0744.49.29.13

"These items are exported from the United States for ultimate destination _____, 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
10	34	M2040933-10, Metric Hex Head Bolt, Lot #0511-60817, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$3.50	$119.00
11	10	M2070933-10, Metric Hex Head Bolt, Lot #0511-61361, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$7.50	$75.00
12	22	M2090931-10, Metric Hex Head Bolt, Lot #0511-60764, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$7.75	$170.50
13	24	M20934-10, Metric Nut, Lot#A701-623101A75 Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$4.00	$96.00
14	30	NAS1149E0663R, Washer, Plain, Flat, Lot #8891-10/14/03, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$0.80	$24.00
15	180	NAS1149E0863R, Washer, Plain, Flat ,Lot #8595, ClassGSE	NONE	KJL Fasteners - USA		EAR99	NLR			$0.86	$154.80
16	40	NAS1587-8C, Washer, CSK, Lot #638/9/1-04, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$0.65	$26.00
17	147	M1045931-10, Metric Hex Head Bolt, Lot #0602-51621, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$1.50	$220.50

Total All Sheets: ~~$885.80~~ $143, 632.65

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)

** THESE ITEMS HAVE NO COMMERCIAL VALUE **

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):	Destination (include phone contact): LABORATORIO SERMS Via Pentima Bassa 21, 05100 Terni (TR) Italy Contact: Bruna Bertucci Phone: +39.0744.49.29.13

"These items are exported from the United States for ultimate destination _____, 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
18	246	NAS1351N4-20, Screw, Cap, Socket Head .2500-28 UNRF-3A x 1.250 LG, Lot #81883, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$1.10	$270.60
19	48	NAS1351N4-24, Screw, Cap, Socket Head .2500-28 UNRF-3A x 1.500 LG, Lot #40629, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$2.25	$108.00
20	18	NAS1351N4-32, Screw, Cap, Socket Head .2500-28 UNRF-3A x 2.000 LG, Lot #42523, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$12.00	$216.00
21	161	NA0179A100, M10 Steel Flat Washer, Lot #14827, Class GSE	NONE	KJL Fasteners - USA		EAR99	NLR			$2.25	$362.25
		TEMPORARY EXPORT									
		ITEMS PACKED IN 1 MULTI-WALL CONTAINER & 4 PALLETS									
		AES ITN: X20061017032776									
		"REMAINDER OF SHIPMENT VALUED $2,500 OR LESS PER INDIVIDUAL SCHEDULE B NUMBER".									

Total All Sheets: ~~XXXXX~~ $143, 632.65

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)