MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Tracker Bottom Plane YP	G4160-110-110-00/A	01	0,205	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0001-AAE is.1.0
BLANKET Tracker Bottom Plane YN	G4160-110-120-00/A	01	0,203	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0001-AAE is.1.0
BLANKET RAM XPD XN inner	G4370-110-110-00/A	01	0,296	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET RAM XPD XP inner	G4370-110-115-00/A	01	0,301	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET RAM Crate ZN inner	G4370-110-120-00/A	01	0,120	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET RAM Crate ZP inner	G4370-110-125-00/A	01	0,102	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET RAM SHV1 Cover	G4370-110-130-00/A	01	0,094	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET RAM SHV3 Cover	G4370-110-135-00/A	01	0,094	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET Wake XPD XN inner	G4370-110-140-00/A	01	0,255	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET Wake XPD XP inner	G4370-110-145-00/A	01	0,257	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET Wake Crate ZP inner	G4370-110-150-00/A	01	0,103	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET Wake SHV0 Cover	G4370-110-155-00/A	01	0,095	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET Wake SHV2 Cover	G4370-110-160-00/A	01	0,094	N.A.	N.A.	N.A.	See sec.36 document n°:AMSC-DP-0002-AAE is.1.0
BLANKET Brick EHV XNYP	G4370-110-310-00/A	01	0,132	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0001-AAE is.1.0
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Brick EHV XPYN	G4370-110-315-00/A	01	0,132	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0001-AAE is.1.0
BLANKET Brick RHV EHV XNYN	G4370-110-320-00/A	01	0,147	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0001-AAE is.1.0
BLANKET Brick RHV EHV XPYP	G4370-110-325-00/A	01	0,147	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0001-AAE is.1.0
BLANKET Brick RHV XNYP	G4370-110-330-00/A	01	0,099	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0001-AAE is.1.0
BLANKET Brick RHV XPYN	G4370-110-335-00/A	01	0,097	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0001-AAE is.1.0
BLANKET LVC Conical Flange XNYN	G4160-110-130-00/A	01	0,611	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET LVC Conical Flange XNYP	G4160-110-140-00/A	01	0,610	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET LVC Conical Flange XPYN	G4160-110-150-00/A	01	0,615	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET LVC Conical Flange XPYP	G4160-110-160-00/A	01	0,596	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET UVC IF Joint RAM XN	G4160-110-230-00/A	01	0,314	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET UVC IF Joint RAM XP	G4160-110-240-00/A	01	0,301	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR XN	G4160-110-310-00/A	01	0,750	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR XNYN	G4160-110-315-00/A	01	0,296	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR RAM XN	G4160-110-320-00/A	01	0,618	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
			TOTAL:				

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET VC USR RAM XP	G4160-110-330-00/A	01	0,439	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR XP	G4160-110-340-00/A	01	0,955	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR WAKE XP	G4160-110-350-00/A	01	0,626	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR WAKE XN	G4160-110-360-00/A	01	0,438	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR RAM ZN	G4160-110-370-00/A	01	0,206	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC USR WAKE ZN	G4160-110-380-00/A	01	0,147	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC LSR XPYN	G4160-110-410-00/A	01	0,498	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET VC LSR RAM	G4160-110-420-00/A	01	0,975	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC LSR XN	G4160-110-430-00/A	01	1,091	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC LSR WAKE	G4160-110-440-00/A	01	1,123	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC LSR XPYP	G4160-110-450-00/A	01	0,671	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM XPD XNZN	G4370-110-210-00/A	01	0,179	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket RAM XN	G4370-110-212-00/A	01	0,150	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM XPD XNZP	G4370-110-215-00/A	01	0,286	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET RAM XPD XPZN	G4370-110-220-00/A	01	0,145	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket RAM XP	G4370-110-222-00/A	01	0,118	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM XPD XPZP	G4370-110-225-00/A	01	0,299	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM Crate ZPXN	G4370-110-230-00/A	01	0,153	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM Crate ZPXP	G4370-110-235-00/A	01	0,110	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket RAM XNZN	G4370-110-237-00/A	01	0,140	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM Crate ZNXN	G4370-110-240-00/A	01	0,147	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET RAM Crate ZNXP	G4370-110-245-00/A	01	0,128	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket RAM XPZN	G4370-110-247-00/A	01	0,141	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET RAM GPS Box Cover	G4370-110-250-00/A	01	0,064	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake XPD XNZN	G4370-110-255-00/A	01	0,172	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket WAKE XN	G4370-110-257-00/A	01	0,106	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake XPD XNZP	G4370-110-260-00/A	01	0,304	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake XPD XPZN	G4370-110-265-00/A	01	0,202	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Rad Bracket WAKE XP	G4370-110-267-00/A	01	0,091	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake XPD XPZP	G4370-110-270-00/A	01	0,309	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket WAKE XPZP	G4370-110-272-00/A	01	0,124	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket WAKE XNZN	G4370-110-274-00/A	01	0,141	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake Crate ZNXN	G4370-110-275-00/A	01	0,242	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake Crate ZNXP	G4370-110-276-00/A	01	0,071	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket WAKE XPZN	G4370-110-277-00/A	01	0,140	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Wake Crate ZPXN	G4370-110-280-00/A	01	0,144	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Wake Crate ZPXP	G4370-110-285-00/A	01	0,114	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET UVC IF Joint WAKE XP 1	G4370-110-425-00/A	01	0,277	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET UVC IF Joint WAKE XP 2	G4370-110-427-00/A	01	0,228	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Tracker Radiator RAM	G4370-110-430-00/A	01	0,612	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Tracker Radiator WAKE	G4370-110-435-00/A	01	0,612	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET CC Body USR XN	G4370-110-610-00/A	01	0,182	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET CC Body USR XP	G4370-110-615-00/A	01	0,182	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET CC Body LSR RAM	G4370-110-620-00/A	01	0,187	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET CC Body LSR WAKE	G4370-110-625-00/A	01	0,183	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCB PORT	G4370-110-710-00/A	01	0,332	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCB PORT Pump	G4370-110-712-00/A	01	0,035	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCB STB	G4370-110-714-00/A	01	0,332	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCB STB Pump	G4370-110-716-00/A	01	0,035	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
			TOTAL:				

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MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
SLI Tracker Rad Rod RAM XN 1	G4370-110-440-00/A	01	0,016	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod RAM XN 2	G4370-110-441-00/A	01	0,018	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod RAM XN 3	G4370-110-442-00/A	01	0,022	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod RAM XN 4	G4370-110-443-00/A	01	0,034	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod RAM XP 1	G4370-110-444-00/A	01	0,016	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod RAM XP 2	G4370-110-445-00/A	01	0,018	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod RAM XP 3	G4370-110-446-00/A	01	0,022	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
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MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
SLI Tracker Rad Rod RAM XP 4	G4370-110-447-00/A	01	0,034	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XN 1	G4370-110-448-00/A	01	0,016	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XN 2	G4370-110-449-00/A	01	0,019	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XN 3	G4370-110-450-00/A	01	0,022	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XN 4	G4370-110-451-00/A	01	0,034	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XP 1	G4370-110-452-00/A	01	0,017	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XP 2	G4370-110-453-00/A	01	0,019	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
SLI Tracker Rad Rod WAKE XP 3	G4370-110-454-00/A	01	0,022	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Tracker Rad Rod WAKE XP 4	G4370-110-455-00/A	01	0,034	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Sill Trun. Joint RAM XN	G4370-110-460-00/A	01	0,249	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Sill Trun. Joint RAM Tube XN	G4370-110-461-00/A	01	0,094	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Sill Trun. Joint RAM XP	G4370-110-465-00/A	01	0,249	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Sill Trun. Joint RAM Tube XP	G4370-110-466-00/A	01	0,028	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Sill Trun. Joint WAKE XN	G4370-110-470-00/A	01	0,187	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
SLI Sill Trun. Joint WAKE XP	G4370-110-475-00/A	01	0,210	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Sill Tube WAKE	G4370-110-480-00/A	01	0,303	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Cross Bar RAM	G4370-110-490-00/A	01	0,101	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Cross Bar WAKE	G4370-110-495-00/A	01	0,102	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Center Body Joint XNYN	G4370-110-510-00/A	01	0,142	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Center Body Joint XNYP	G4370-110-515-00/A	01	0,144	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Center Body Joint XPYN	G4370-110-520-00/A	01	0,145	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY
MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17
SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
SLI Center Body Joint XPYP	G4370-110-525-00/A	01	0,141	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Lower VC IF Joint RAM XN	G4370-110-530-00/A	01	0,138	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Lower VC IF Joint RAM XP	G4370-110-535-00/A	01	0,138	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Lower VC IF Joint WAKE XN	G4370-110-540-00/A	01	0,139	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
SLI Lower VC IF Joint WAKE XP	G4370-110-545-00/A	01	0,139	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC Upper Skirt XN	G4160-110-170-00/A	01	0,256	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC Upper Skirt XP	G4160-110-180-00/A	01	0,256	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY
MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17
SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET VC Upper Skirt RAM	G4160-110-190-00/A	01	0,257	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VC Upper Skirt WAKE	G4160-110-200-00/A	01	0,256	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket RAM XNZP	G4370-110-217-00/A	01	0,106	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket RAM XPZP	G4370-110-227-00/A	01	0,106	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Rad Bracket WAKE XNZP	G4370-110-262-00/A	01	0,158	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET UVC IF Joint WAKE XN	G4370-110-420-00/A	01	0,320	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Evaporator RAM	G4370-110-630-00/A	01	0,046	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Cryo LHP Evaporator WAKE	G4370-110-635-00/A	01	0,047	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Evaporator XN	G4370-110-640-00/A	01	0,046	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Evaporator XP	G4370-110-645-00/A	01	0,046	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line RAM IN	G4370-110-650-00/A	01	0,123	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line RAM OUT	G4370-110-655-00/A	01	0,122	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line WAKE IN	G4370-110-660-00/A	01	0,123	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line WAKE OUT	G4370-110-665-00/A	01	0,125	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Cryo LHP Line XN IN	G4370-110-670-00/A	01	0,127	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line XN OUT	G4370-110-675-00/A	01	0,128	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line XP IN	G4370-110-680-00/A	01	0,125	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Cryo LHP Line XP OUT	G4370-110-685-00/A	01	0,125	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VSB XN	G4370-110-718-00/A	01	0,318	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET VSB XP	G4370-110-720-00/A	01	0,317	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Evaporator ZP	G4370-110-725-00/A	01	0,128	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET Evaporator ZN	G4370-110-730-00/A	01	0,161	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Lines WAKE XN	G4370-110-735-00/A	01	0,042	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Lines WAKE XP	G4370-110-740-00/A	01	0,042	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Lines XNYP	G4370-110-745-00/A	01	0,067	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Lines XNYN	G4370-110-750-00/A	01	0,067	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Lines XPYP	G4370-110-755-00/A	01	0,067	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Lines XPYN	G4370-110-760-00/A	01	0,066	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
			TOTAL:				

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY
MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17
SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET TTCS Tubes RAM XN	G4370-110-765-00/A	01	0,090	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Tubes RAM XP	G4370-110-770-00/A	01	0,090	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Tubes WAKE XN	G4370-110-775-00/A	01	0,089	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET TTCS Tubes WAKE XP	G4370-110-780-00/A	01	0,090	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET CAB Cover	G4370-110-782-00/A	01	0,079	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET CAB LHP Evaporator	G4370-110-784-00/A	01	0,016	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET CAB LHP Line IN	G4370-110-786-00/A	01	0,125	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:					

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MASS BUDGET RECORD SHEET

CONTRACTOR: CARLO GAVAZZI SPACE S.P.A.
ITEM DESCRIPTION: MLI TCS ASSY

MODEL: PFM
PART N°/C.I. N°: 49-AMS02TCS-000.00.00 / MLI TCS 17

SERIAL N°: FM01

ITEM DESCRIPTION	PART NUMBER	SERIAL NUMBER	MASS (Kg)	COG (mm) X	Y	Z	REMARKS
BLANKET CAB LHP Line OUT	G4370-110-788-00/A	01	0,121	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET UPS	G4370-110-795-00/A	01	0,308	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Star Tracker STB	G4370-110-810-00/A	01	0,064	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
BLANKET Star Tracker PORT	G4370-110-815-00/A	01	0,064	N.A.	N.A.	N.A.	See sec.36 document n°:A2LM-DP-0002-AAE is.1
		TOTAL:	30,591				

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