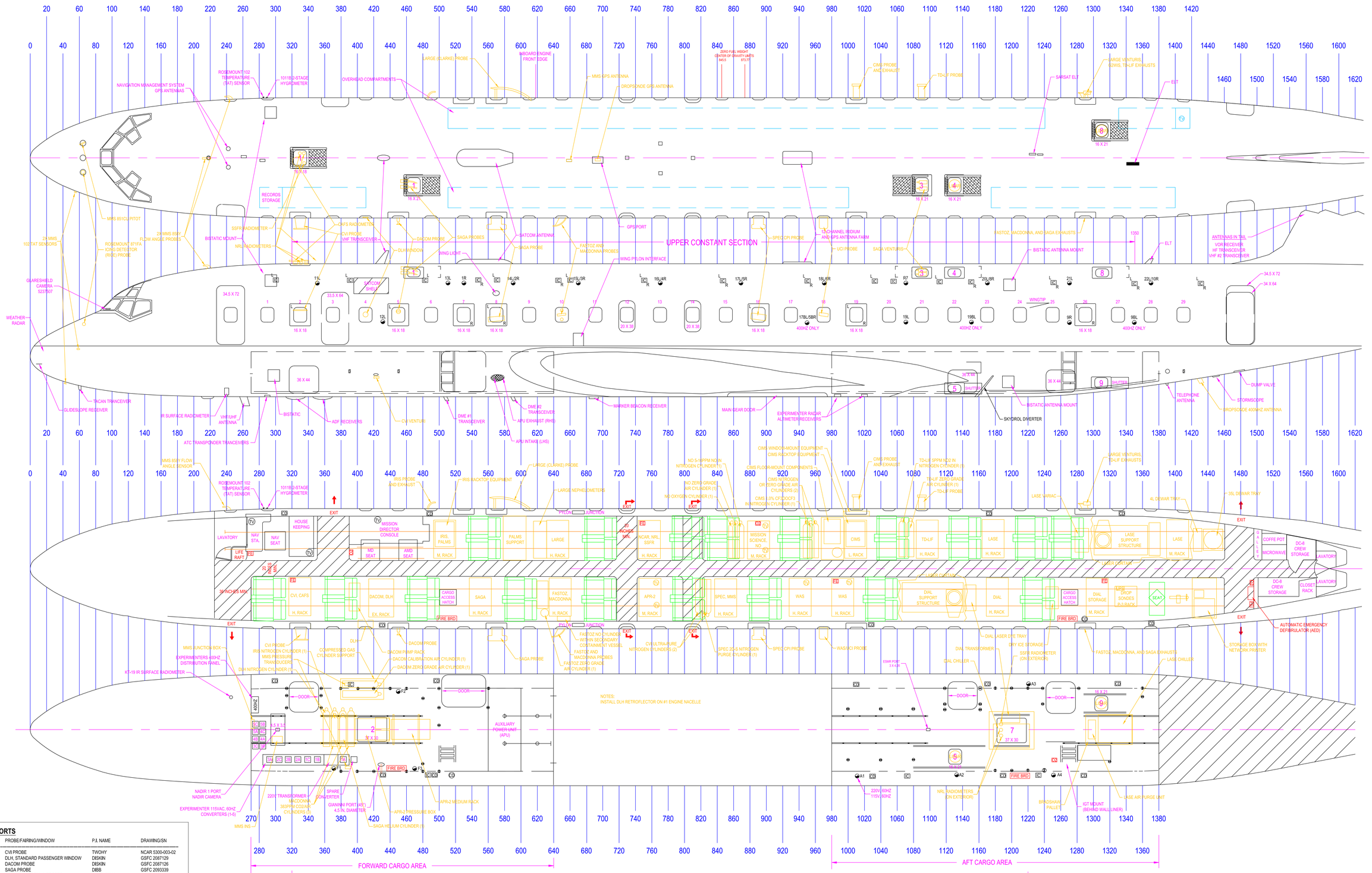
REVISION HISTORY				
SYM	ZONE	DESCRIPTION	DATE	APPROVAL



PASSENGER PORTS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
FS330L	CVI PROBE	TWOHY	NCAR 5300-003-02
FS410L	DLH, STANDARD PASSENGER WINDOW	DISKIN	GSFC 2087129
FS450L	DACOM PROBE	DISKIN	GSFC 2087126
FS570L	SAGA PROBE	DIBB	GSFC 2093339
FS650L	FASTOZ/MACDONNA PROBES	AVERY/VAY	GSFC 2087127
FS890L	CPI PROBE	LAWSON	GSFC 2093340
FS970L	WAS/UCI PROBE	BLAKE	GSFC 2093338
FS1290L	COMMUNITY EXHAUST PLATE	VARIOUS	GSFC 2093341
FS245R	MMS 858Y PROBE	BUI	ARC 5238006
FS490R	IRIS PROBE	JOST	GSFC 2093342
FS570R	CLARKE PROBE SUPPORT	ANDERSON	GSFC 2087103, TBD
FS610R	CLARKE PROBE INLET	ANDERSON	GSFC 2087103, TBD
FS1010R	CIT-CIMS PROBE	WENNBERG	GSFC 2093343
FS1090R	TD-LIF PROBE	COHEN	GSFC 2087086, TBD
FS1290R	COMMUNITY EXHAUST PLATE	VARIOUS	GSFC 2093344

OTHER PORTS/PODS

PORT	PROBE/FAIRING/WINDOW	P.I. NAME	DRAWING/SN
ZENITH #1	COMMUNITY RADIOMETER PLATE	VARIOUS	GSFC 2093345
NADIR #2	APR-2 PRES. VESSEL	SMITH	GSFC 2093320
NADIR #7	COMMUNITY RADIOMETER PLATE	VARIOUS	GSFC 2093346
62° #1	SAGA PROBES	DIBB	ARC 5237470
62° #3	SAGA VENTURIS	DIBB	GSFC 2093347
62° #4	DIAL WINDOW	BROWELL	S/N 8705
62° #5	DIAL WINDOW	BROWELL	S/N 8708
62° #6	LASE WINDOW	BROWELL	S/N 11FR
62° #9	LASE WINDOW	BROWELL	S/N 8901
FS49L	MMS 102 TAT PROBE	BUI	ARC 5238006
FS49 NADIR	MMS 102 TAT PROBE	BUI	ARC 5238006
FS64L	NCAR 871FA ICING DETECTOR	HEYMSFIELD	ARC 5238074
FS64R	MMS 851CU PITOT PROBE	BUI	ARC 5238006
FS660 ZENITH	MMS GPS ANTENNA	BUI	ARC 5238006
FS690 ZENITH	DROPSONDE GPS ANTENNA	KURYLO	DFRC 817-10022
SEXTANT	MMS 858Y PROBE	BUI	ARC 5238006
FS430L, 45°, GIANNINI	CVI SMALL VENTURI	HEYMSFIELD/TWOHY	ARC 4238200
FS1430L	DROPSONDE LAUNCHER	KURYLO	ARC 5237619
	DROPSONDE LAUNCHER	KURYLO	DFRC 817-10020
1430 NADIR	DROPSONDE ANTENNA	KURYLO	ARC 5237303
L. OB. POD	SPEC 2D-S PROBE	LAWSON	
L. IB. POD	NCAR PIP PROBE	HEYMSFIELD	
R. IB. POD	NCAR CAPS PROBE	HEYMSFIELD	
-	DIAL/LASE WINDOW SPARE	BROWELL	S/N 8902

OTHER NON-STANDARD INSTALLATIONS

LOCATION	DESCRIPTION	P.I. NAME	DRAWING/SN
FS395L	DACOM PUMP RACK	DISKIN	GSFC 2087141
FS625L	FASTOZ/MACDONNA FLOOR-MOUNT EQUIP.	AVERY/VAY	GSFC 2087092
FS1100L	DIAL SUPPORT STRUCTURE	BROWELL	GSFC 2087138
FS1150L	DIAL LASER DYE SUPPORT TRAY	BROWELL	GSFC 2087139
FS1250L	DRY ICE STORAGE	DIBB	GSFC 548-STR-0013
FS1330L	DROPSONDE P-3 RACK	KURYLO	GSFC 2093309
FS1360L	DROPSONDE SWIVEL SEAT	KURYLO	GSFC 2093310
FS505R	IRIS RACKTOP EQUIPMENT	JOST	GSFC 2093348
FS590R	PALMS SUPPORT STRUCTURE	MURPHY	GSFC 2093349
FS625R	LARGE NEPHELOMETERS	ANDERSON	GSFC 2087091
FS865R	CIT-CIMS FLOOR-MOUNT EQUIPMENT	WENNBERG	GSFC 2093350
FS1010R	CIT-CIMS RACKTOP EQUIPMENT	WENNBERG	GSFC 2093351
FS1010R	CIT-CIMS WINDOW-MOUNT EQUIPMENT	WENNBERG	GSFC 2093352
FS1290R	LASE VARIAC	BROWELL	GSFC 2093313
FS1340R	LASE SUPPORT TRUSS	BROWELL	GSFC 2093314
FS1370R	LASE WHITE CELL	BROWELL	GSFC 2093312
FS1425R	4L DEWAR RACK	DISKIN	GSFC 548-STR-0034
FS1445R	30L DEWAR SUPPORT	DISKIN	ARC 5237671
FS52 NOSE	MMS NOSE TRANSDUCER	BUI	DFRC 817-10340
FS270 FCP	MMS JUNCTION BOX	BUI	GSFC 2093318
FS300 FCP	MMS INS	BUI	DFRC 817-10324
FS390L FCP	MMS LEFT SIDE TRANS.	BUI	DFRC 817-10326
FS390R FCP	MMS RIGHT SIDE TRANS.	BUI	DFRC 817-10341
FS420R FCP	GAS CYLINDER SUPPORT	DISKIN	ARC 5238119
FS465 FCP	APR-2 MEDIUM RACK	SMITH	DFRC 817-10313
FS1200 ACP	DIAL CHILLER AND TRANSFORMER	BROWELL	GSFC 2087140
FS1320 ACP	LASE CHILLER AND AIR PURGE UNIT	BROWELL	GSFC 2093311

RACK INFORMATION

LOCATION	TYPE	EXPERIMENT	CENTER	P.I. NAME
FS330L	HIGH	CVI/CAFS	NCAR	HEYMSFIELD/TWOHY/SHETTER
FS430L	EX	DACOM/DLH	LaRC	DISKIN
FS550L	HIGH	SAGA	UNH	DIBB
FS650L	HIGH	FASTOZ/MACDONNA	LaRC	AVERY/VAY
FS755L	MED	APR-2	GSFC	SMITH
FS840L	HIGH	CPI/2D-S/MMS	SPEC/ARC	LAWSON/BUI
FS935L	HIGH	WAS	UCI	BLAKE
FS980L	HIGH	WAS	UCI	BLAKE
FS1185L	HIGH	DIAL	LaRC	BROWELL
FS1305L	MED	DIAL	LaRC	BROWELL
FS1325L	P-3	DROPSONDES	NASA HQ	KURYLO
FS505R	MED	IRIS/PALMS	NWT/ESRL	JOST/MURPHY
FS645R	HIGH	LARGE	LaRC	ANDERSON
FS755R	MED	NCAR/NRL/SSFR	NCAR/NRL/UC-BOULDER	HEYMSFIELD/BUCHOLTZ/PILEWSKIE
FS920R	MED	MISSION SCIENCE/NO	GSFC/ARC/UC-BERKELEY	SCHOEBERL/JENSEN/COHEN
FS1010R	LOW	CIT-CIMS	CIT	WENNBERG
FS1095R	HIGH	TD-LIF	UC-BERKELY	COHEN
FS1175R	HIGH	LASE	LaRC	BROWELL
FS1400R	MED	LASE	LaRC	BROWELL
FS465FCP	MED	APR-2	GSFC	SMITH

EXPERIMENT INFORMATION

EXPERIMENT	P.I. NAME
CVI	HEYMSFIELD/TWOHY
CAFS	SHETTER
DACOM/DLH	DISKIN
SAGA	DIBB
FASTOZ	AVERY
MACDONNA	VAY
APR-2	SMITH
SPEC (CPI/2D-S)	LAWSON
MMS	BUI
UCI	BLAKE
DIAL	BROWELL
DROPSONDES	KURYLO
IRIS	JOST
PALMS	MURPHY
LARGE	ANDERSON
NCAR	HEYMSFIELD
SSFR	PILEWSKIE
NRL	BUCHOLTZ
MISSION SCIENCE	SCHOEBERL/JENSEN
NO	COHEN
CIT-CIMS	WENNBERG
TD-LIF	COHEN
LASE	BROWELL

RACKS

TYPE	QTY
LOW	1
MEDIUM	6
HIGH	11
P-3 STANDALONE	1
STOW BOX	1
TOTAL	20

SEATS

TYPE	LEFT	RIGHT	TOTAL
STANDARD	18	18	36
SWIVEL	1		1
MISSION DIRECTOR			2
NAVIGATOR			1
FLIGHT CREW			4
TOTAL	19	18	44

LEGEND

POWER OUTLET
INTERCOM BOX
CABLE DUCT
SMALL CABLE DUCT
LEFT
RIGHT
CARGO TIEDOWN
STATIC PORT
FIRE EXTINGUISHER
OXYGEN SENSOR
UNINTERUPTIBLE POWER SUPPLY
VIDEO MONITOR

THIS DRAWING WAS PRODUCED USING
SOFTWARE: AUTOCAD VERSION: 2006
FILE NAME:

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

TOLERANCES

X.XX	X.XXX	ANGLES	FRACTIONS	125
±0.02	±0.005	±1°	±1/16	

BREAK ALL SHARP EDGES TO 0.010 RADIUS OR CHAMFER MAXIMUM

☐ FLIGHT HARDWARE/POST FAB HARDNESS TEST REQ'D
☒ HARDNESS TEST NOT REQUIRED ☐ NON-FLIGHT
☐ TEST HARDNESS PER ASTM E-18, LOCATION OPTIONAL
☐ TEST HARDNESS PER ASTM E-18, LOCATION INDICATED ON FIELD OF DRAWING WITH ⊙
☒ NO NON-DESTRUCTIVE EXAMINATION (NDE) REQ'D
☐ NDE REQUIRED PER S-313-009 CODE _____

NEXT ASSEMBLY | USED ON

GODDARD SPACE FLIGHT CENTER WALLOPS FLIGHT FACILITY

NAME	INIT	DATE
DESIGNER A. WEBSTER	ALW	3/12/07
DRAWN A. WEBSTER	ALW	3/12/07
CHECKED A. WEBSTER		
APPROVED A. WEBSTER		
APPROVED -		
APPROVED-STRESS N/A		
APPROVED-ENGINEER M. CROPPER		

NSERC
National Suborbital Education and Research Center
UND THE UNIVERSITY OF NORTH DAKOTA

DRAWING INTERPRETED PER GSFC-X673-64-1

TITLE
TROPICAL COMPOSITION, CLOUD, AND CLIMATE COUPLING (TC-4)
INSTRUMENT FLOORPLAN
JULY-AUGUST 2007, DC-8/N436NA

SIZE	DWG NO.	REV
E	2093321	-
CODE	SCALE	WT	SHT 1 OF 1