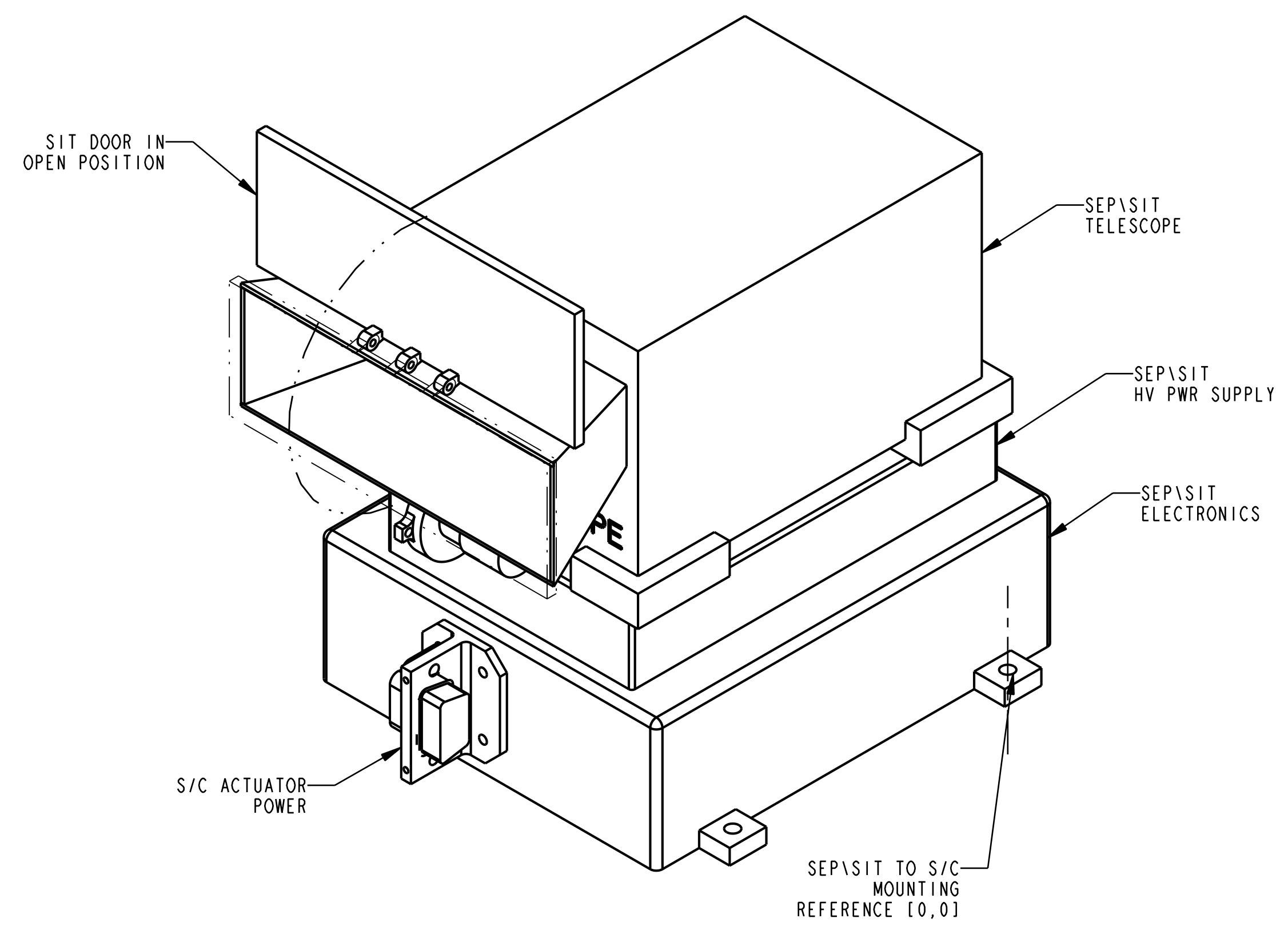
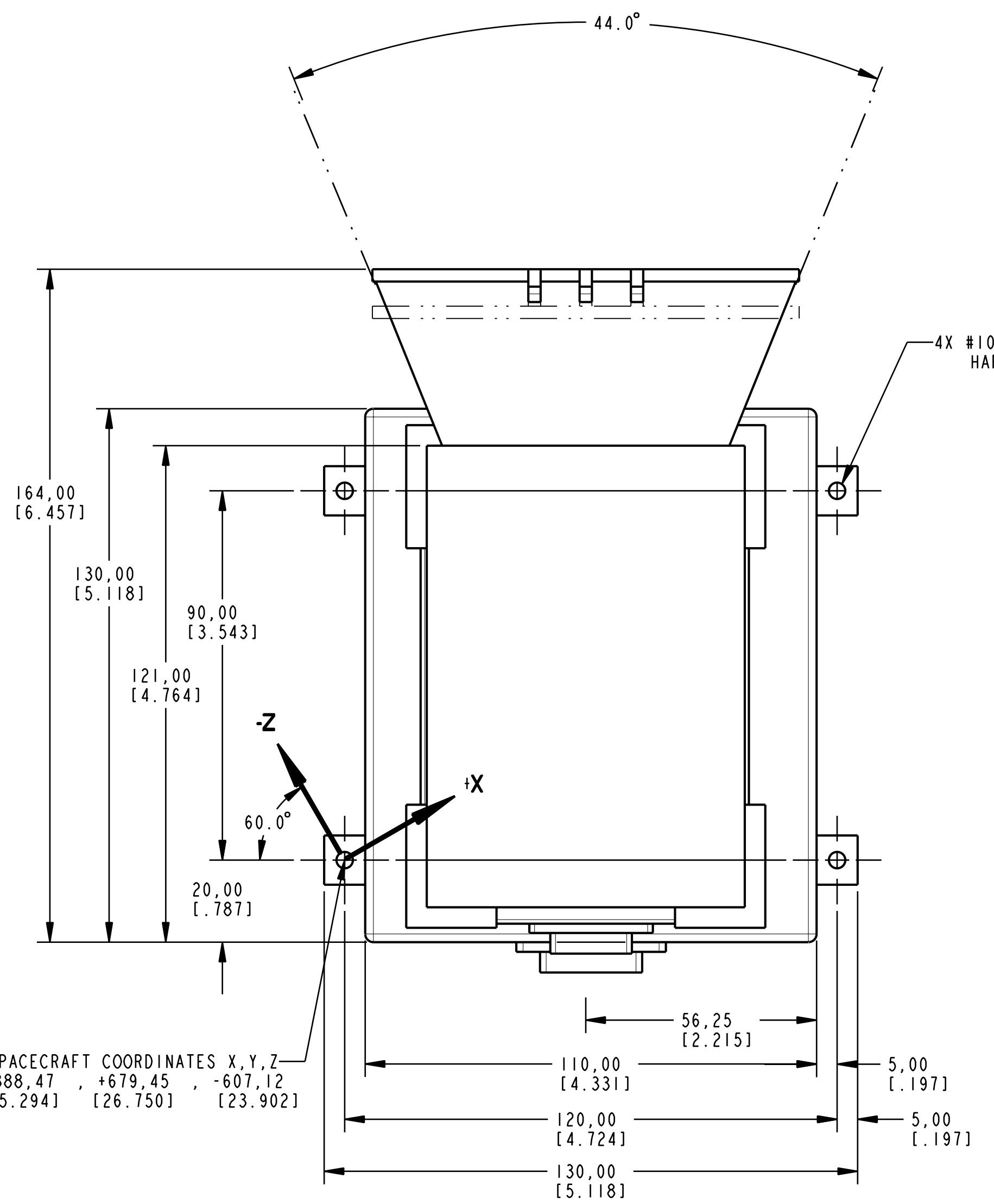


REVISION				
SYM	ZONE	DESCRIPTION	DATE	APPROVAL
-	-	-	-	-



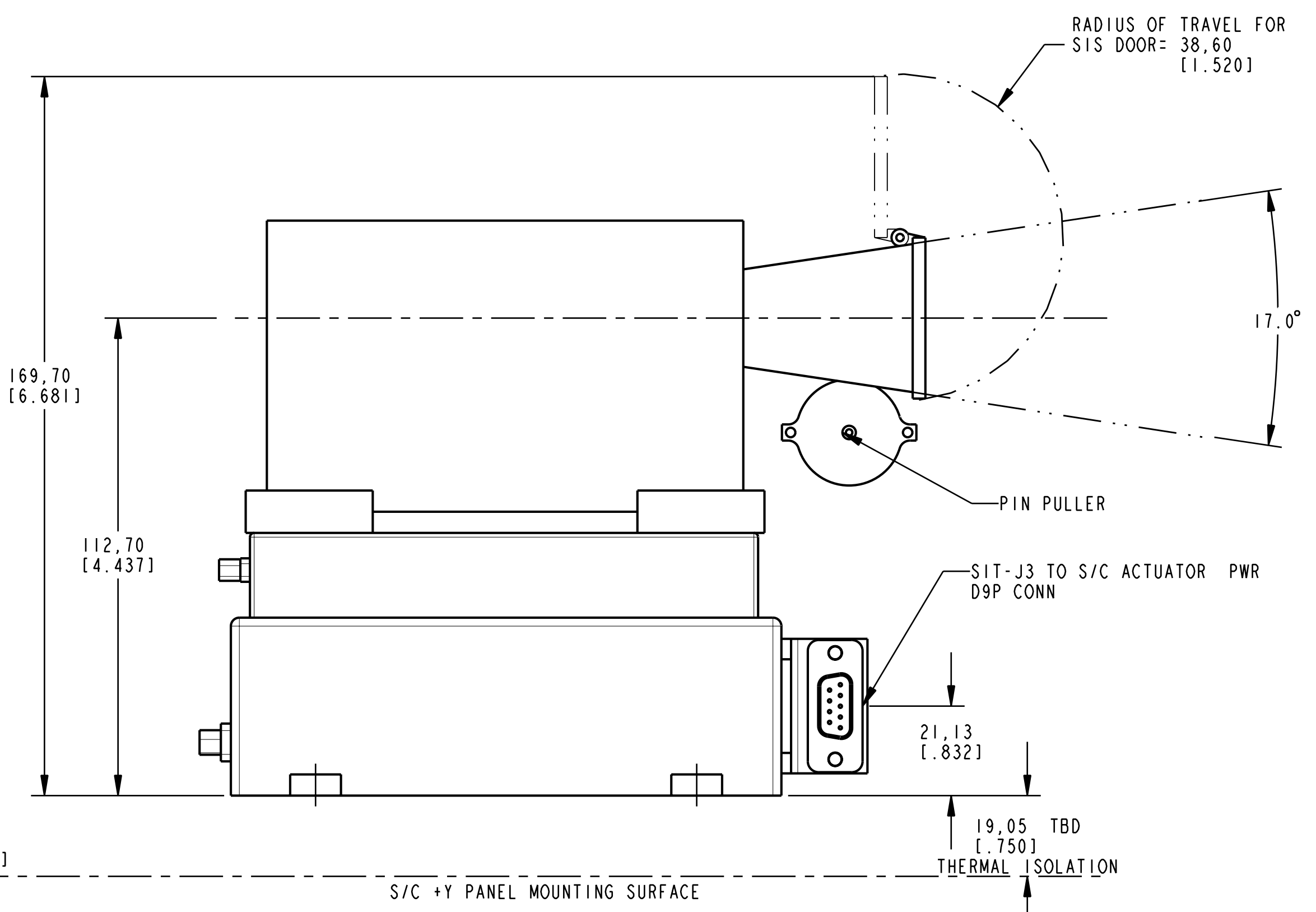
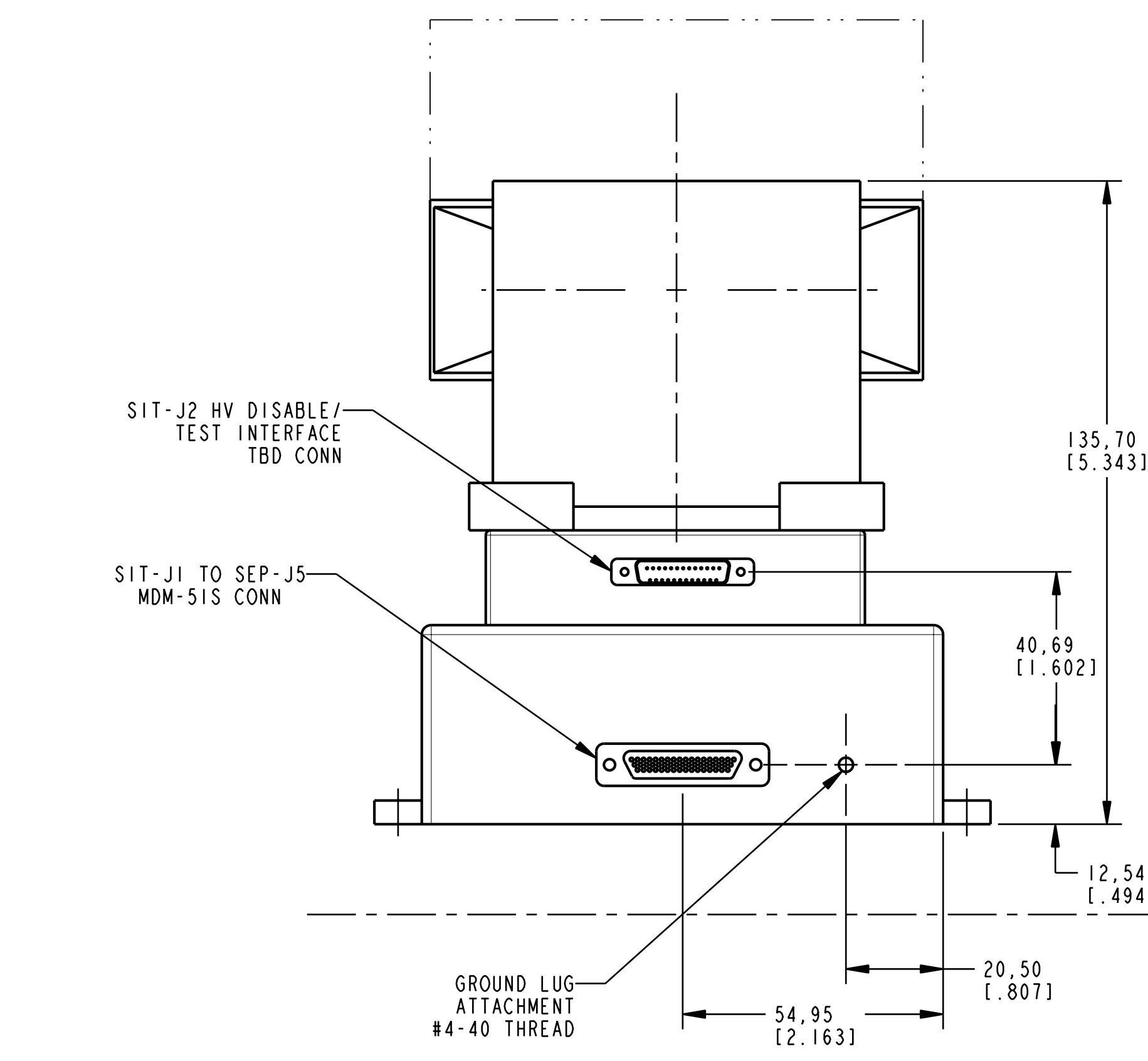
**NOTES: UNLESS OTHERWISE NOTED**

- ESTIMATED EXPERIMENT MASS: 1.23 Kg
- ESTIMATED CENTER OF GRAVITY FROM DATUMS  

X	Y	Z
TBD	TBD	TBD
[TBD]	[TBD]	[TBD]
- INERTIA MATRIX:  
 THE INERTIA MATRIX IS CALCULATED BY PRO-E  

IXX= TBD	IXY= TBD	IXZ= TBD
IYY= TBD	IYY= TBD	IYZ= TBD
IZZ= TBD	IZY= TBD	IZZ= TBD

 NOTE: THESE ARE BOX COORDINATES, NOT S/C COORDINATES.
- INSTRUMENT WILL BE MOUNTED TO SPACECRAFT ON THERMALLY ISOLATING BUSHINGS, MAT'L AND SIZE IS STILL TBD.
- INSTRUMENT FIELD OF VIEW IS TO BE KEPT CLEAR FROM OBSTRUCTIONS WITHOUT PRIOR CONSENT FROM THE INSTRUMENT TEAM.
- PURGE CONNECTOR, TBD, WILL RECIEVE PURGE FROM MAIN SEP INSTRUMENT VIA PURGE LINE SUPPLIED..
- INSTRUMENT MOUNTING LOCATION ON SPACECRAFT SHOWN ON SHEET 2; AND FIELD OF VIEW ORIGIN AND SIZE SHOWN ON SHEET 3.
- RED TAG SHORTING PLUG WILL BE PROVIDED FOR HIGH VOLTAGE CONNECTOR SIT-J2 AND SHOULD BE REPLACED BY GREEN TAG COVER PRIOR TO LAUNCH.
- GREEN TAG COVER WILL BE PROVIDED FOR HIGH VOLTAGE SHORTING CONNECTOR SIT-J2 AND SHOULD BE INSTALLED PRIOR TO LAUNCH.



**DIMENSIONS ARE IN MILLIMETERS (INCHES)**

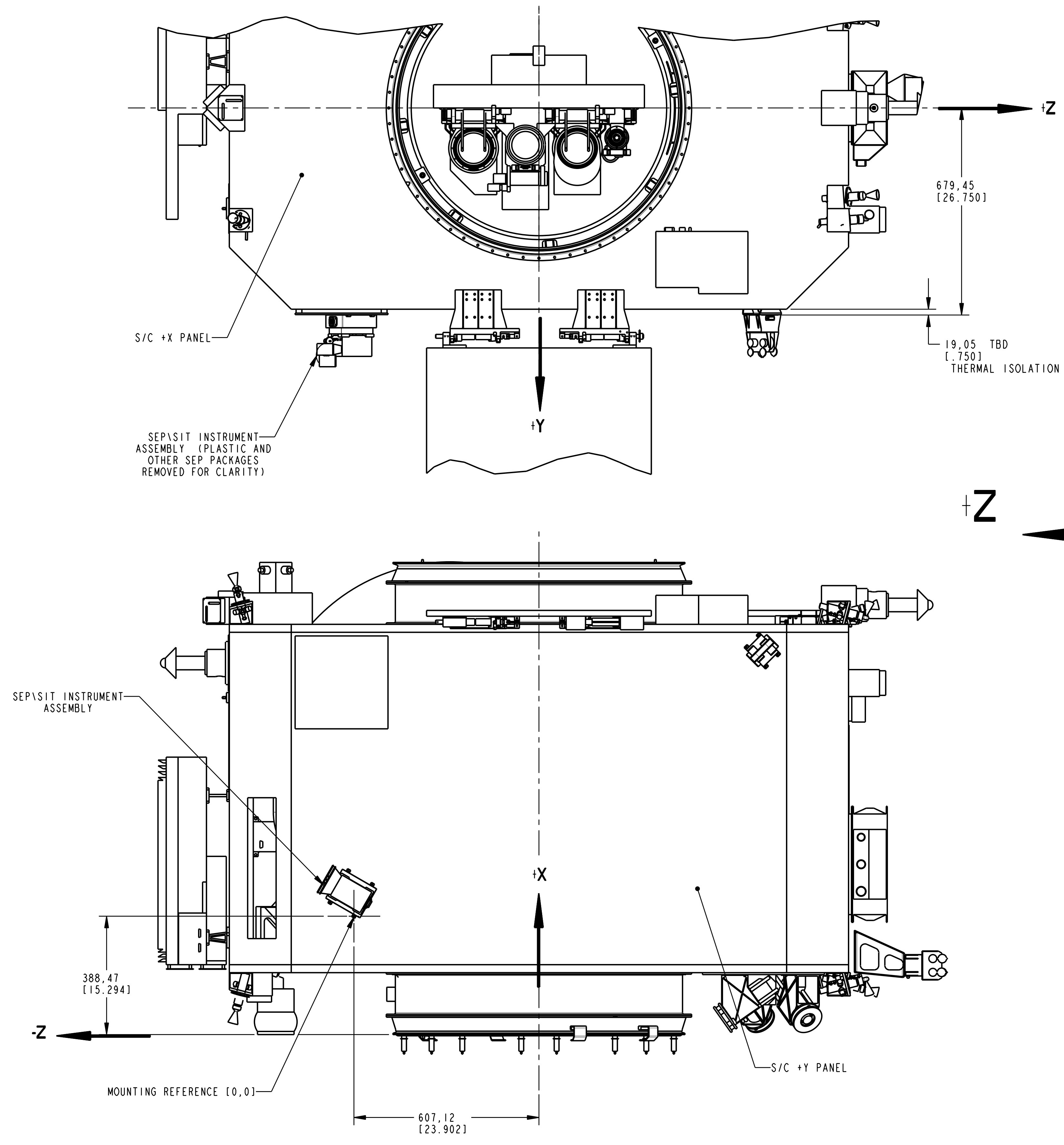
**SIT INSTRUMENT ASSEMBLY**

THIS DRAWING WAS PRODUCED USING  
 SOFTWARE: Pro/ENGINEER VERSION: 2001  
 FILE NAME: 2053440  
 MODEL NAME: SIT-INSTRUMENT-ASSY

ITEM NO.	RECD	RECD	PART NO.	DESCRIPTION	MATERIAL	MATERIAL SPEC & NO.
LIST OF MATERIAL						
TOLERANCES: .XX .XXX ≤ FRACTIONS 125 ±0.10 ±0.05 ±0.1 ±1/16						
UNLESS OTHERWISE SPECIFIED-DIMENSIONS ARE IN MILLIMETERS						
REMOVE ALL BURRS AND SHARP EDGES R.010 OR CHAMFER MAX.						
<input checked="" type="checkbox"/> FLIGHT HARDWARE <input type="checkbox"/> NON-FLIGHT <input type="checkbox"/> HARDNESS TEST NOT REQUIRED <input type="checkbox"/> TEST HARDNESS PER ASTM E-18, LOCATION OPTIONAL <input type="checkbox"/> TEST HARDNESS PER ASTM E-18 WHERE INDICATED ON FIELD OF DRAWING THUS Ⓢ						
<input type="checkbox"/> NO NON-DESTRUCTIVE EXAMINATION (NDE) REQ'D <input type="checkbox"/> NDE REQUIRED PER S-313-009 CODE						
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION <b>Goddard Space Flight Center</b> Greenbelt, Maryland				DRAWING INTERPRETED PER GSFC-4673-64-1		
DESIGNER SHUMAN		INIT.		DATE		TITLE
DRAWN SHUMAN		CHECKED VONROSEVINGE		APPROVED ---		<b>INTERFACE CONTROL DRAWING            SEP\SIT INSTRUMENT            STEREO BEHIND SPACECRAFT</b>
APPROVED-DESIGNER ---		APPROVED-STRESS ---		APPROVED-ENGINEER ---		
---		---		STEREO SPACECRAFT		
---		---		---		
NEXT ASSEMBLY		USED ON		CODE: 663		SCALE: 1.00
WEIGHT:		SHEET: 1 OF 3				

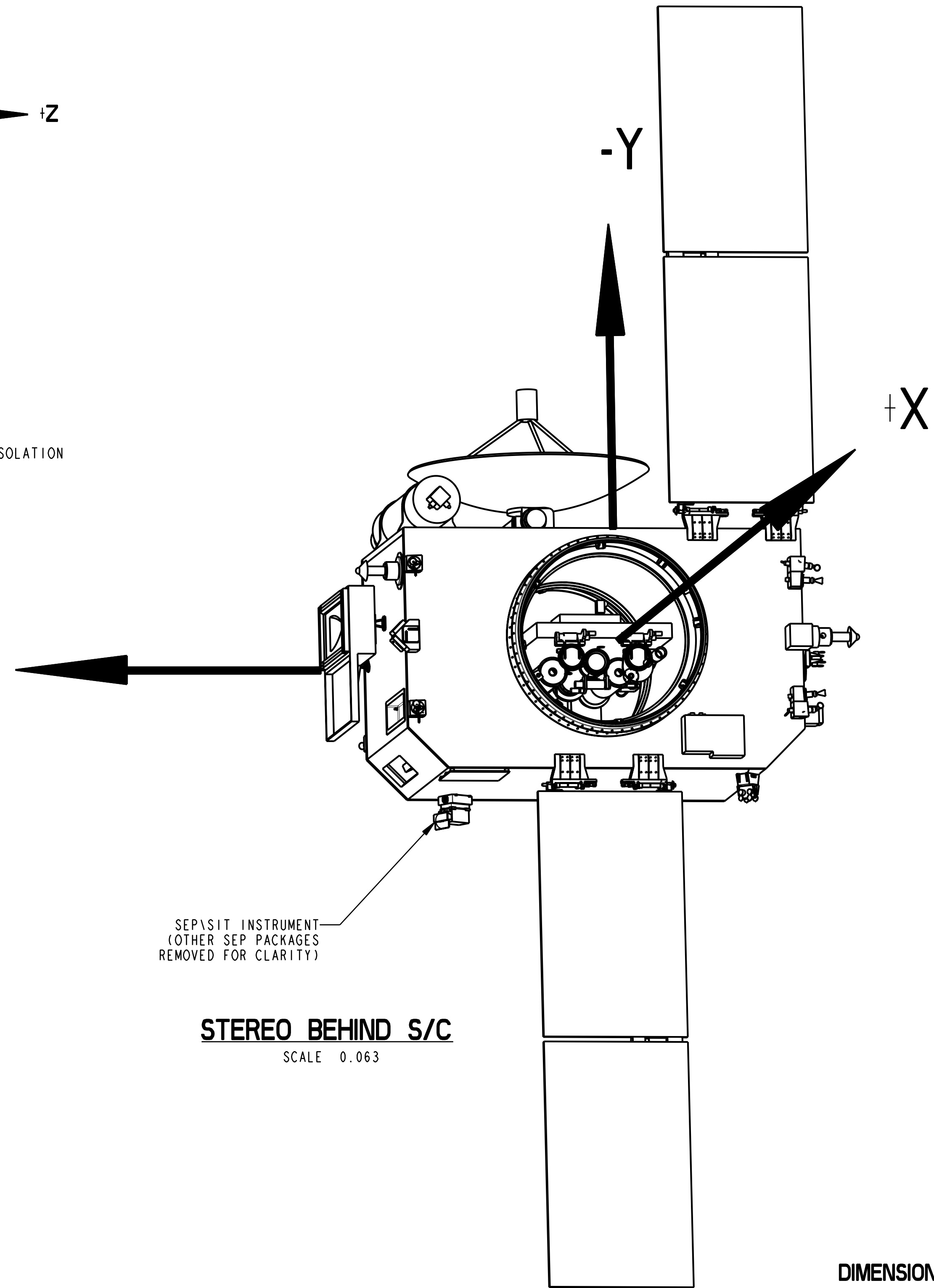
FOLD LINE  
GD2053440

REVISION				
SYM	ZONE	DESCRIPTION	DATE	APPROVAL
-	-	-	-	-



**SEP/SIT ASSEMBLY MOUNTING LOCATION**

SPACECRAFT COORDINATES [X,Y,Z]  
 +388.47 , +679.45 , +607.12  
 [15.294] [26.750] [23.902]



**STEREO BEHIND S/C**  
 SCALE 0.063

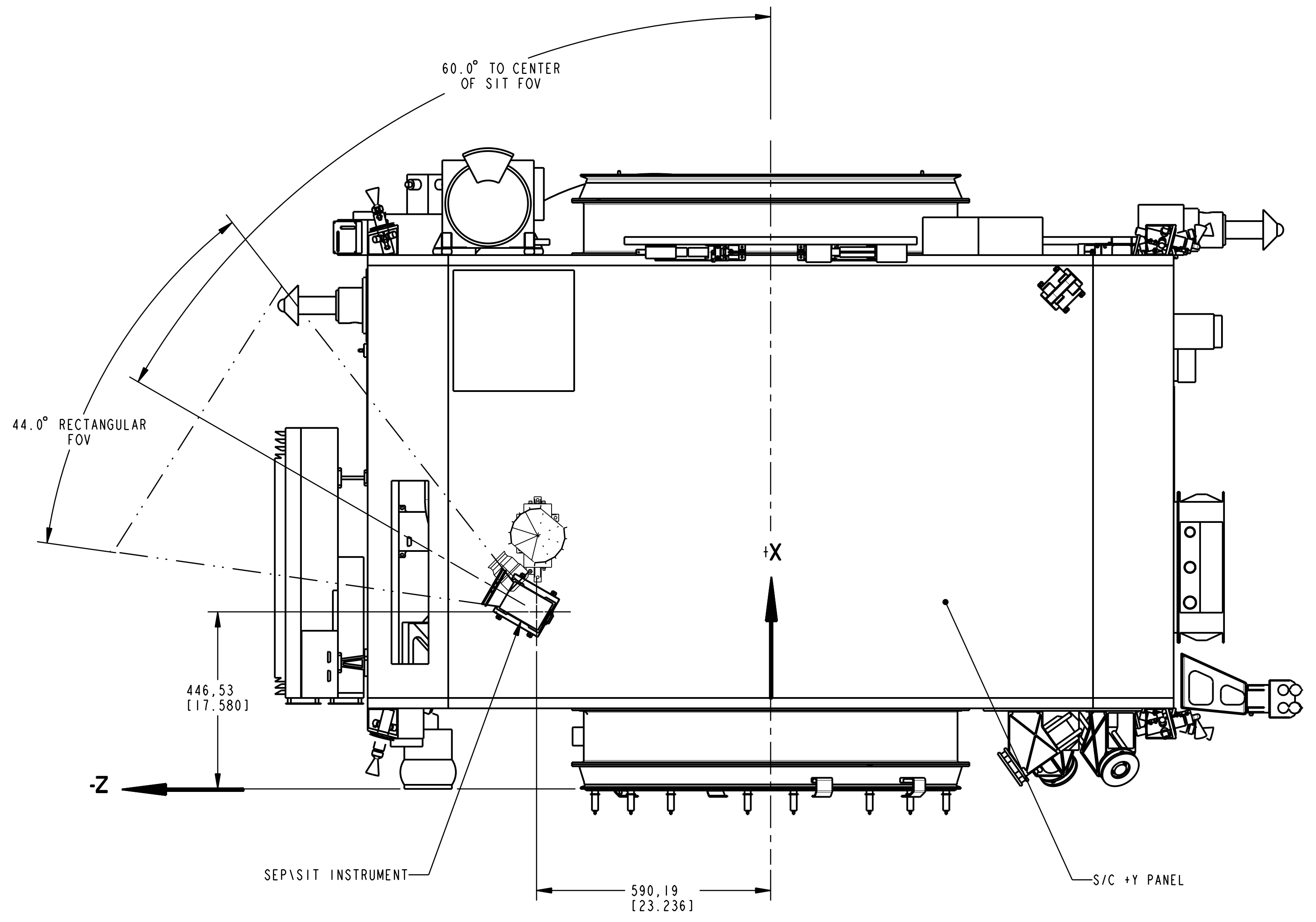
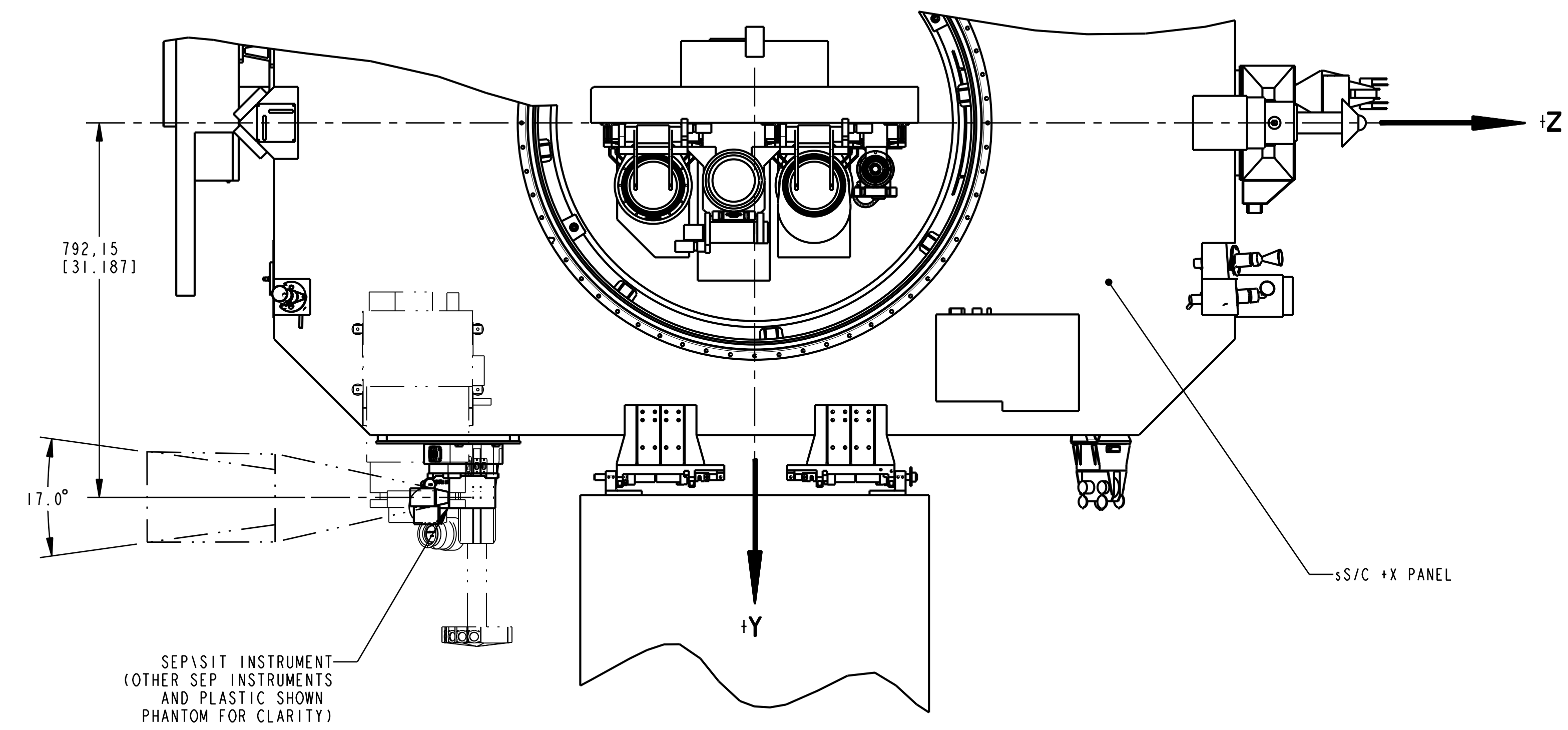
**DIMENSIONS ARE IN MILLIMETERS  
 (INCHES)**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			Goddard Space Flight Center		Greenbelt, Maryland
NAME	INIT.	DATE	DRAWING INTERPRETED PER GSFC-X673-64-1		
DESIGNER SHUMAN			TITLE		
DRAWN SHUMAN			<b>INTERFACE CONTROL DRAWING SEP/SIT INSTRUMENT STEREO BEHIND SPACECRAFT</b>		
CHECKED VONROSEVINGE					
APPROVED -					
APPROVED- STRESS ---					
APPROVED- ENGINEER ---			<b>GD</b>	<b>2053440</b>	-
CODE: 663			SCALE: 1.000	SHEET: 2 OF 3	

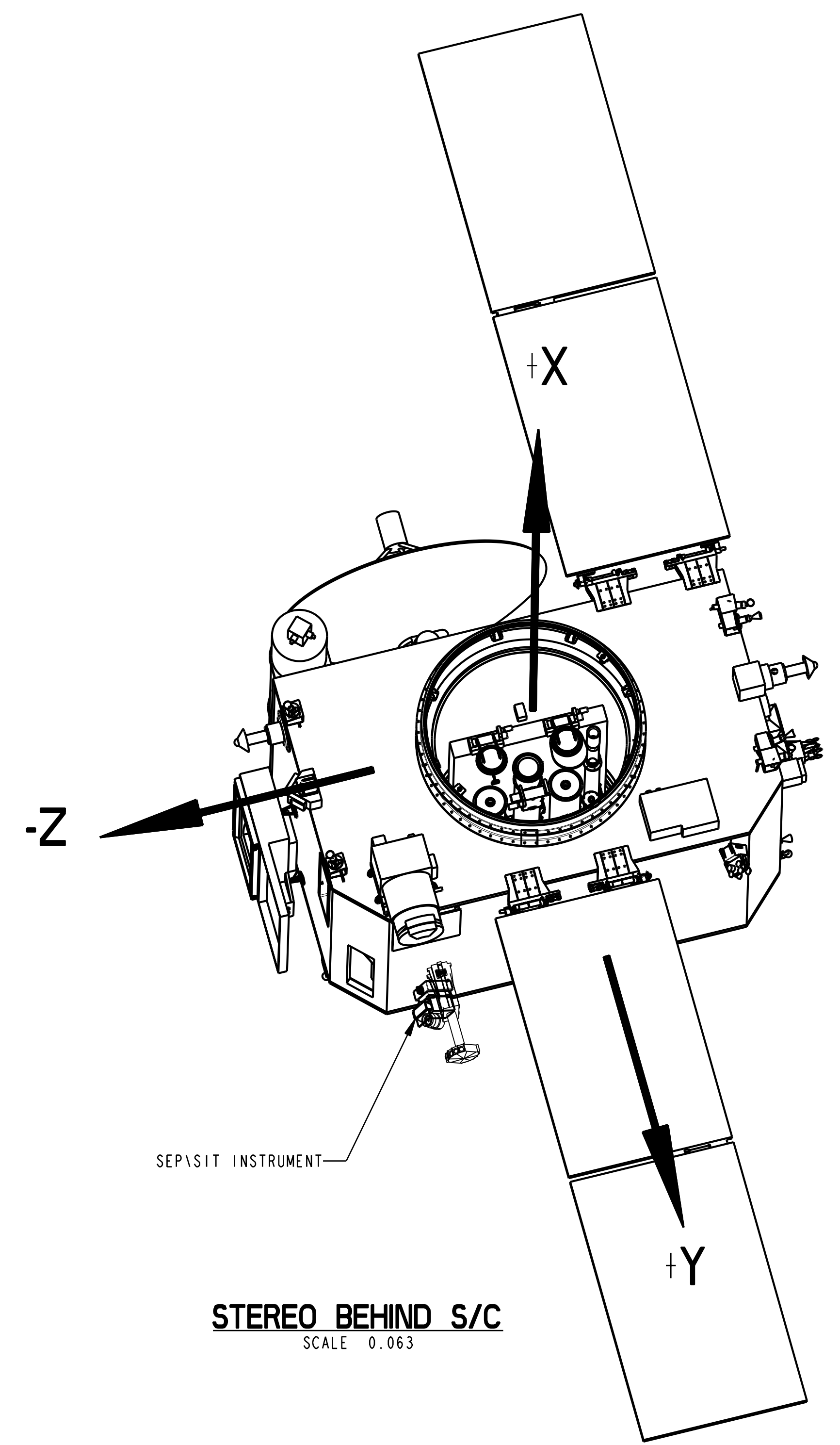
GD2053440

FOLD LINE

REVISION				
SYM	ZONE	DESCRIPTION	DATE	APPROVAL
-	-	-	-	-



**SEP SIT TELESCOPE FIELD OF VIEW**  
 DIMENSIONS SHOWN FROM S/C ORIGINS  
 TO FIELD OF VIEW ORIGIN  
 F.O.V.: 44° X 17° RECTANGULAR



**STEREO BEHIND S/C**  
 SCALE 0.063

DIMENSIONS ARE IN MILLIMETERS  
 (INCHES)

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		Goddard Space Flight Center		Greenbelt, Maryland
NAME	INIT.	DATE	DRAWING INTERPRETED PER GSFC-X673-64-1	
DESIGNER SHUMAN			TITLE	
DRAWN SHUMAN			<b>INTERFACE CONTROL DRAWING SEP/SIT INSTRUMENT STEREO BEHIND SPACECRAFT</b>	
CHECKED VONROSEVINGE				
APPROVED -				
APPROVED ---				
APPROVED-STRESS ---			<b>GD</b>	<b>2053440</b>
APPROVED-ENGINEER ---			CODE: 663	SCALE: 1.000
			SHEET: 3 OF 3	

GD2053440

FOLD LINE