

Appendix

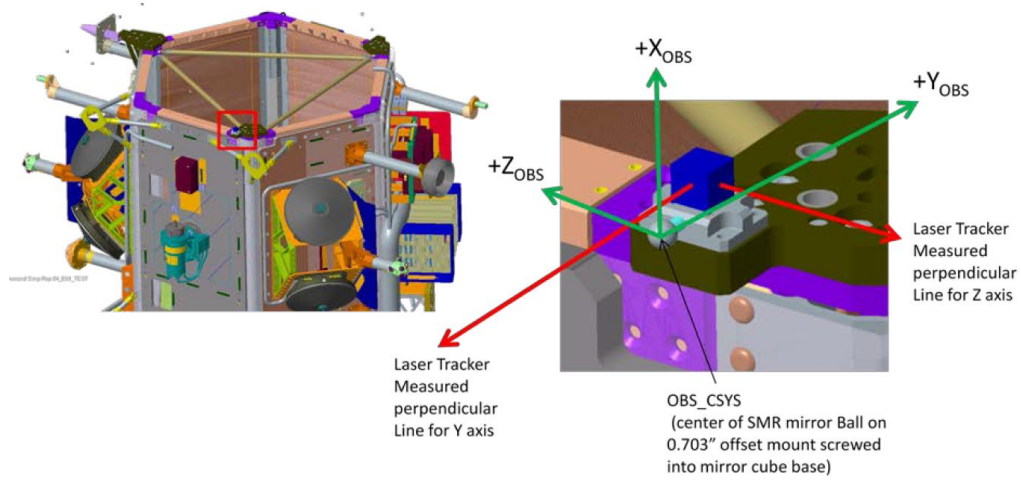


Figure 1 – Observatory Coordinate System Definition

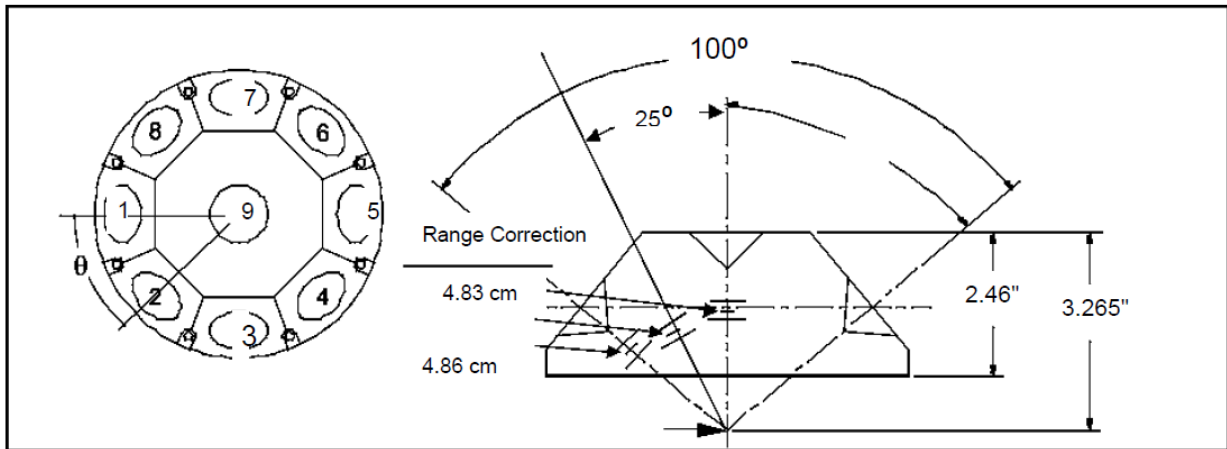


Figure 2 – Cube Position and Angle to Normal

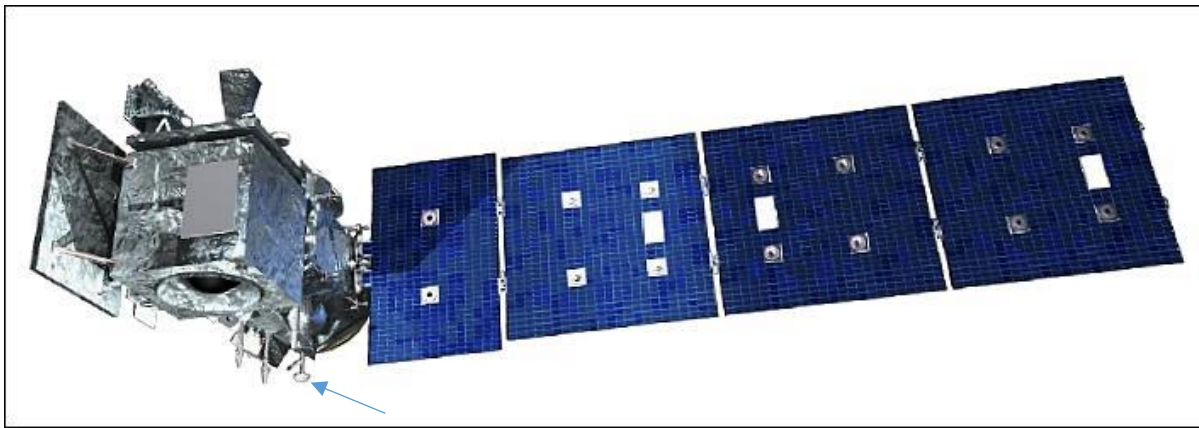


Figure 3 – Rendition of ICESAT-2 Spacecraft with LRA Indicated

Position	X (mm)	Y (mm)	Z (mm)	Theta in Fig 2 (radians)	Angle from +Z (radians)
1	63.525	0.000	53.315	0.000	0.873
2	44.933	44.933	53.315	0.785	0.873
3	0.000	63.525	53.315	1.571	0.873
4	-44.933	44.933	53.315	2.356	0.873
5	-63.525	0.000	53.315	3.142	0.873
6	-44.933	-44.933	53.315	3.927	0.873
7	0.000	-63.525	53.315	4.712	0.873
8	44.933	-44.933	53.315	5.498	0.873
9 (Nadir)	0.000	0.000	82.391	0.000	0.000

Table 1 – Position (XYZ) and Angle of Front Face Normal Vector