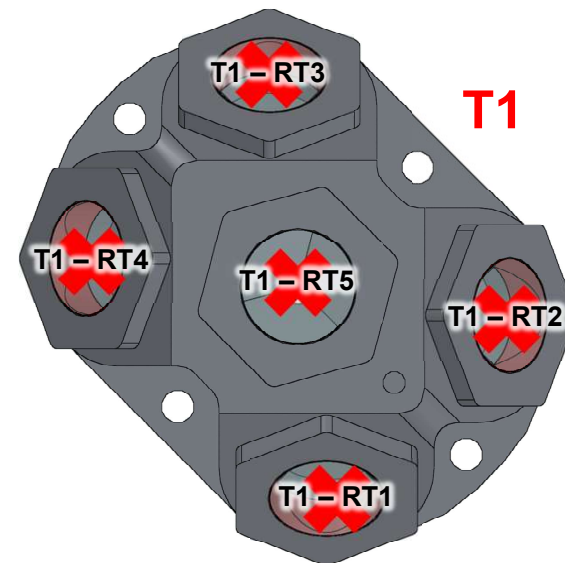
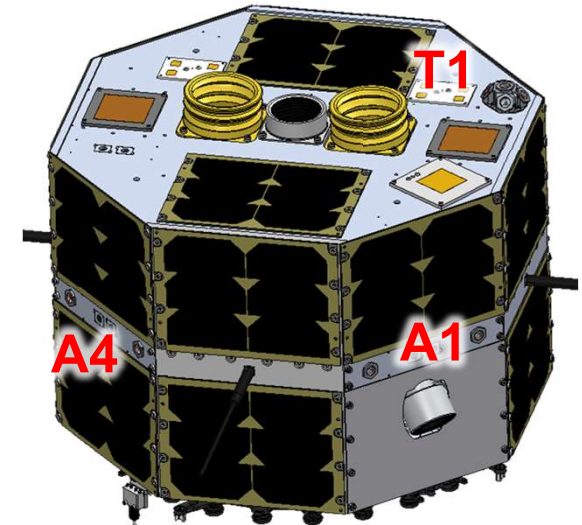
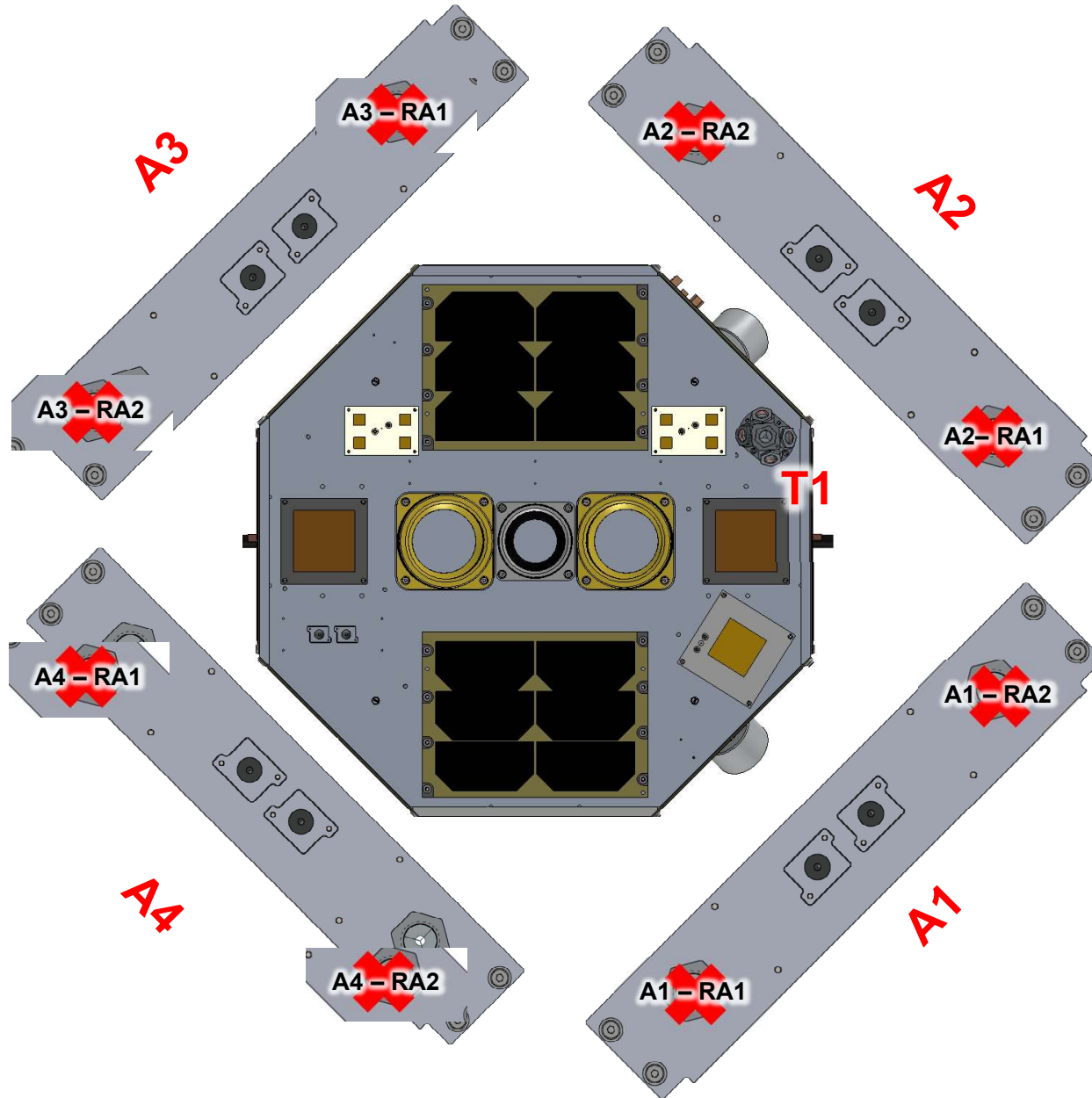
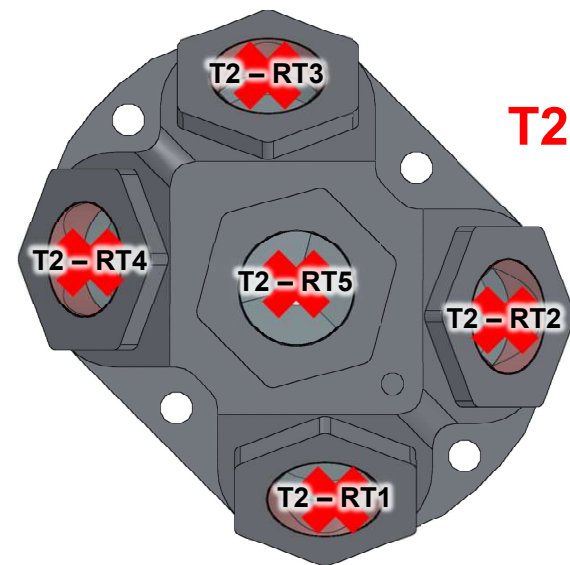
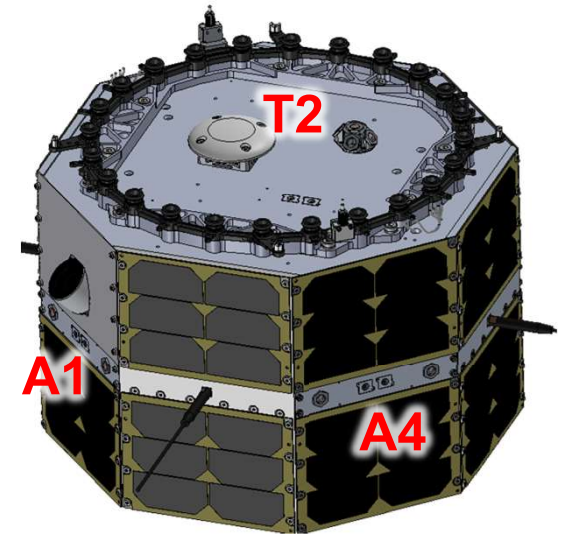
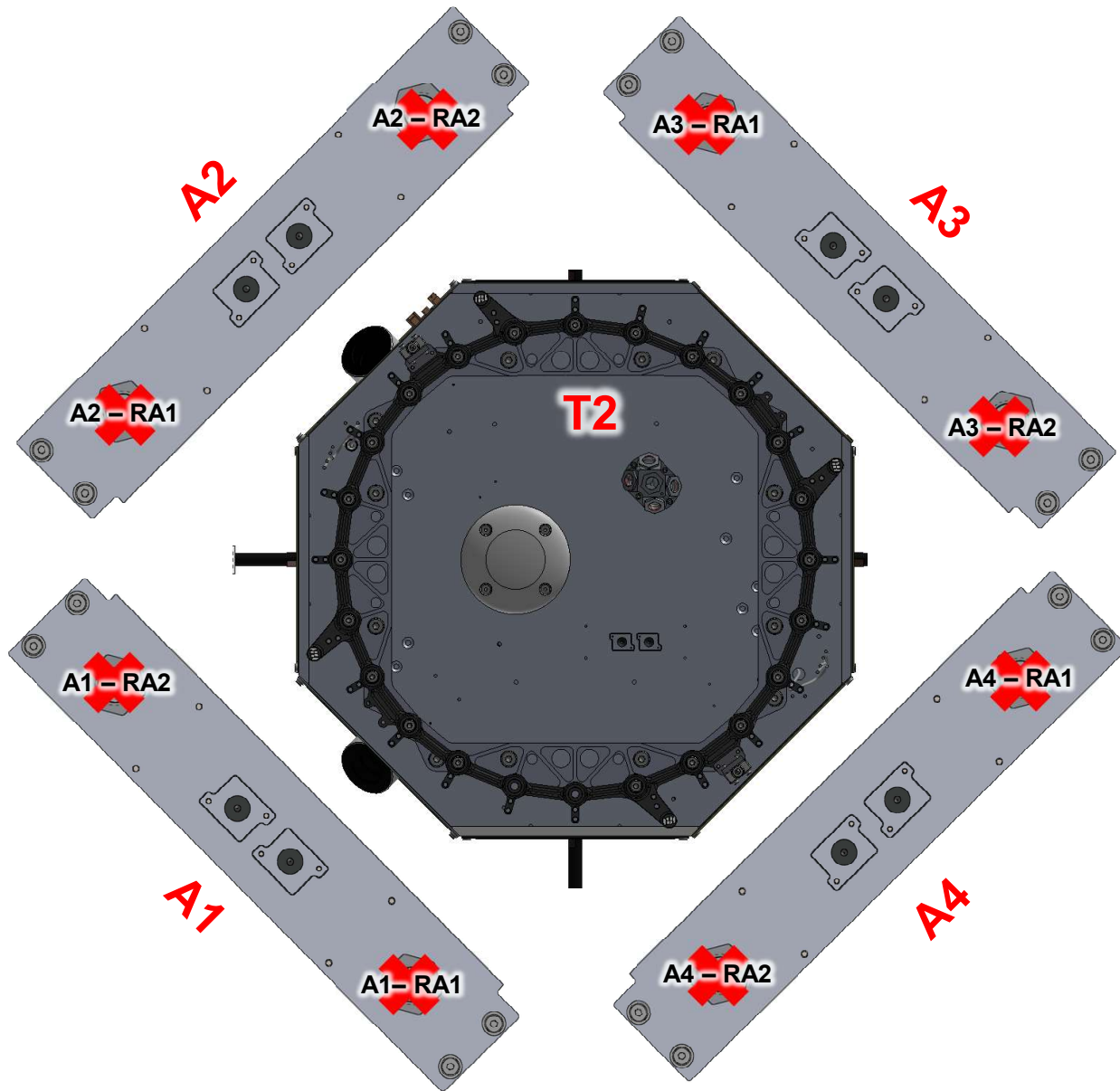


TUBIN FM



X reflector

TUBIN FM



✖ reflector

Coordinates TUBIN FM (1)

No.	position (mm +/- 0,5)			normal vector			clocking angle
	x	y	z	X	y	z	
A1 – RA1	204,5	116,8	-12,0	0,577	0,577	0	n/a
A1 – RA2	116,8	204,5	-12,0	0,577	0,577	0	n/a
A2 – RA1	-116,8	204,5	-12,0	-0,577	0,577	0	n/a
A2 – RA2	-204,5	116,8	-12,0	-0,577	0,577	0	n/a
A3 – RA1	-204,5	-116,8	-12,0	-0,577	-0,577	0	n/a
A3 – RA2	-116,8	-204,5	-12,0	-0,577	-0,577	0	n/a
A4 – RA1	116,8	-204,5	-12,0	0,577	-0,577	0	n/a
A4 – RA2	204,5	-116,8	-12,0	0,577	-0,577	0	n/a

List the position (XYZ) of the center of the front face of each corner cube, and the orientation (two angles or normal vector) and the clocking (horizontal rotation) angle of each corner cube. Note that the angles should be clearly defined.

Coordinates TUBIN FM (2)

No.	position (mm +/- 0,5)			normal vector			clocking angle
	x	y	z	x	y	z	
T1 – RT1	-66,6	193,2	146,1	0,838	0,073	0,541	n/a
T1 – RT2	-84,1	207,9	146,1	-0,073	0,838	0,541	n/a
T1 – RT3	-103,4	184,9	146,1	-0,838	-0,073	0,541	n/a
T1 – RT4	-85,9	170,1	146,1	0,073	-0,838	0,541	n/a
T1 – RT5	-85,0	189,0	154,0	0	0	1	n/a
T2 – RT1	-43,3	-64,5	-170,1	0,841	0	-0,541	n/a
T2 – RT2	-59,5	-80,7	-170,1	0	-0,841	-0,541	n/a
T2 – RT3	-80,7	-59,7	-170,1	-0,841	0	-0,541	n/a
T2 – RT4	-64,5	-43,3	-170,1	0	0,841	-0,541	n/a
T2 – RT5	-62,0	-62,0	178,0	0	0	-1	n/a

List the position (XYZ) of the center of the front face of each corner cube, and the orientation (two angles or normal vector) and the clocking (horizontal rotation) angle of each corner cube. Note that the angles should be clearly defined.

Coordinates TUBIN FM (2)

No.	position (mm +/- 0,5)			Angle [°]			clocking angle
	x	y	z	x	y	z	
T1 – RT1	-66,6	193,2	146,1	5	275	50	n/a
T1 – RT2	-84,1	207,9	146,1	95	5	50	n/a
T1 – RT3	-103,4	184,9	146,1	185	95	50	n/a
T1 – RT4	-85,9	170,1	146,1	275	185	50	n/a
T1 – RT5	-85,0	189,0	154,0	90	90	0	n/a
T2 – RT1	-43,3	-64,5	-170,1	0	270	130	n/a
T2 – RT2	-59,5	-80,7	-170,1	270	180	130	n/a
T2 – RT3	-80,7	-59,7	-170,1	180	90	130	n/a
T2 – RT4	-64,5	-43,3	-170,1	90	0	130	n/a
T2 – RT5	-62,0	-62,0	178,0	90	90	180	n/a

List the position (XYZ) of the center of the front face of each corner cube, and the orientation (two angles or normal vector) and the clocking (horizontal rotation) angle of each corner cube. Note that the angles should be clearly defined.