

# MTW SPHERICAL TARGET CHAMBER: GENERAL SPECIFICATIONS

## Port Coordinates

Port #	Flange Size (inches)	Theta Design (Meas.)	Phi Design (Meas.)	Diagnostic
1	8	90 (REF.)	180 (REF.)	Hexapod, OAP
2	4	62 (62.3)	148 (148.2)	Open
3	4	62 (62.3)	212 (211.7)	SPC
4	4	118 (117.8)	212 (211.5)	Open
5	4	118 (117.6)	148 (148.4)	Open
6	6	90 (90.1)	125 (125.3)	Open
7	6	35 (35.4)	180 (179.7)	Viewing Sys
8	6	90 (90.2)	235 (234.5)	HAMOS
9	6	145 (144.6)	180 (179.6)	Open
10	4	90 (89.9)	90 (90.1)	Viewing Sys
11	8	45 (44.9)	90 (89.6)	SCI-IP
12	4	0 (REF.)	0 (REF.)	TOP
13	8	45 (45.2)	270 (270.4)	Viewport/Hatch
14	4	90 (90.1)	270 (270.3)	Illumination
15	8	135 (135.3)	270 (270.2)	SMI Crystal
16	4	180 (REF.)	180 (REF.)	TPS
17	8	135 (135.0)	90 (89.8)	Turbo Pump
18	6	90 (90.0)	55 (54.5)	Steering Mirror
19	6	36 (35.8)	0 (0.2)	Open
20	6	90 (90.0)	306 (305.6)	Open
21	6	144 (144.4)	0 (0.3)	Illumination
22	4	63 (62.5)	32 (31.5)	Open
23	4	63 (62.5)	329 (328.6)	Open
24	4	118 (117.8)	329 (328.5)	Open
25	4	118 (117.7)	32 (31.6)	Nitrogen Vent
26	8	90 (REF.)	0 (REF.)	FSM

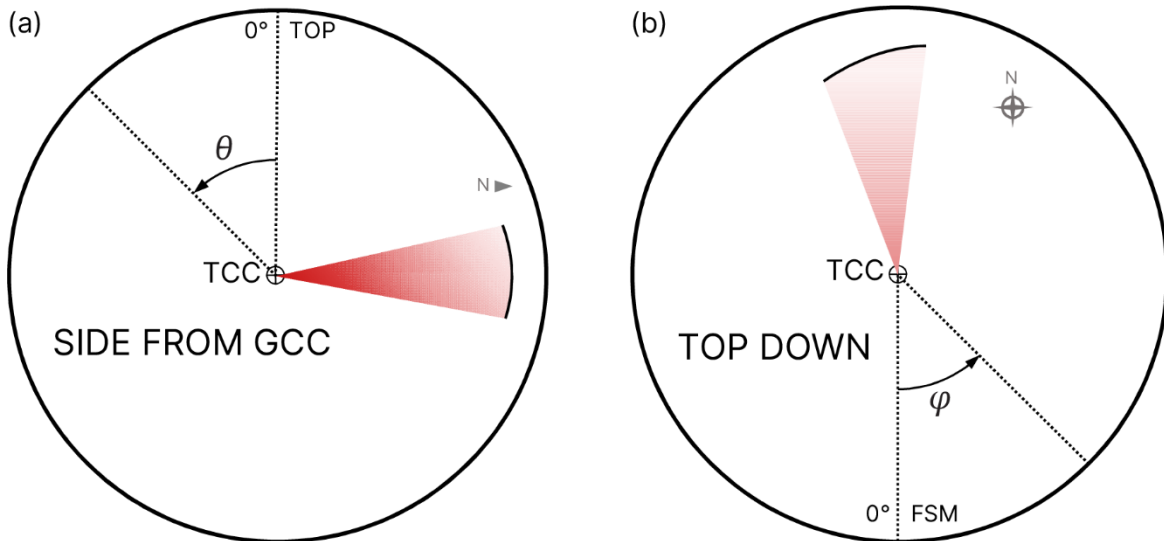


Fig 1. (a) Side view of the target chamber showing Theta in reference to a vertical line through the center of the chamber. (b) Top view of the target chamber showing Phi in reference to laser propagation.