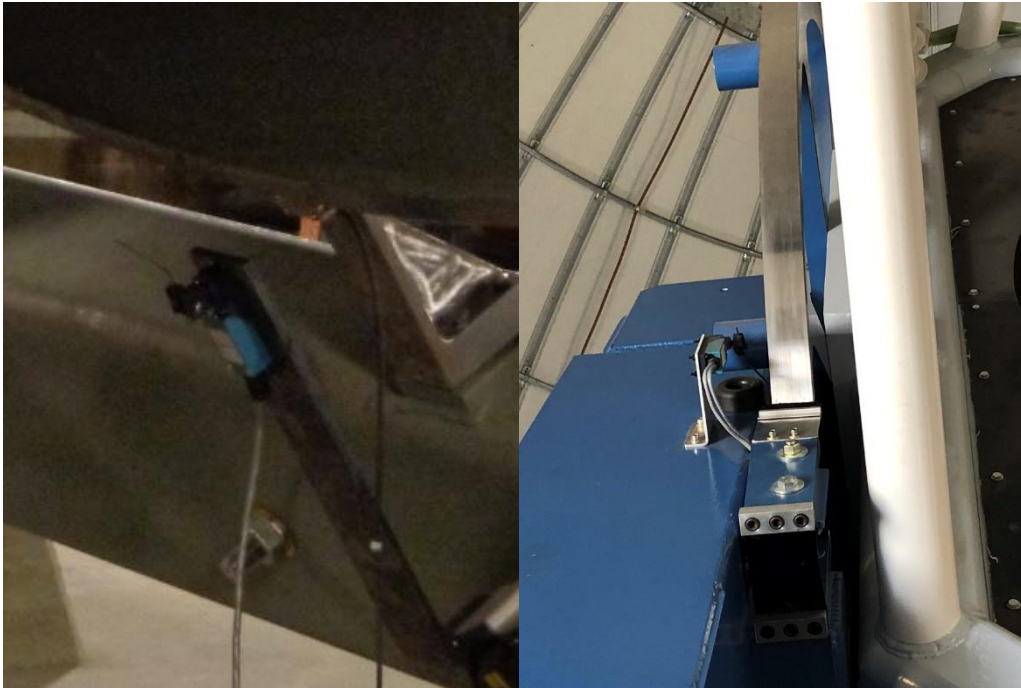


망원경 리미트

- 망원경이 이동할 수 있는 범위를 결정
- TCC 내부 limit (low mirror limit)
- 망원경 limit switch
- 망원경 mechanical limit
- PC-TCS 내부 limit
 - Altitude
 - sec Z
 - Declination
 - Hour Angle



PC-TCS limit 설정

	CTIO	SAAO	SSO
HA +/-	4.65 hour	4.72 hour	4.60 hour
Dec +	+23.0 deg (Alt=36.4 on Med)	+21.0 deg (Alt=36.8 on Med)	+22.0 deg (Alt=36.7 on Med)
Dec -	-84.2 deg (Alt=36.4 on Med)	-85.50 deg (Alt=36.8 on Med)	-84.0 deg (Alt=36.7 on Med)
Alt	25 deg (→ 30 deg)	25 deg (→ 30 deg)	30 deg 34 @E/W
recommended	Alt > 37 deg	Alt > 37 deg	Alt > 37 deg

Telescope speed

- Telescope motor speed = 1 deg/sec
- 망원경 이동 소요 시간

CTIO				SAAO				SSO			
RA		DEC		RA		DEC		RA		DEC	
arcmin	seconds	arcmin	seconds	arcmin	seconds	arcmin	seconds	arcmin	seconds	arcmin	seconds
1	8.83	1	4.54	1	8.8	1	4.5	1	7.5	1	4.05
5	11.46	5	6.87	5	11.1	5	7	5	10	5	6.25
10	12.77	10	7.84	10	12.05	10	8	10	11.4	10	7.45
30	15.75	30	9.45	30	14.55	30	9.5	30	14.05	30	9
60	17.93	60	10.75	60	16.2	60	10.5	60	15.9	60	10.1
120	19.14	120	11.72	120	18.35	120	12.05	120	18	120	11.15
300	22.53	300	14.84	300	22.35	300	15	300	22.05	300	14.4
600	27.89	600	20.02	600	27.95	600	20	600	27.8	600	19.5
900	32.81	900	24.91	900	32.7	900	25	900	32.3	900	24.45
1200	37.78	1200	29.97	1200	37.6	1200	30	1200	37.6	1200	29.5
1800	48.04	1800	39.94	1800	47.95	1800	40	1800	47.5	1800	39.45
2400	57.87	2400	49.92	2400	58.1	2400	49.95	2400	57.55	2400	49.45
3500	67.94	3500	59.96	3500	67.9	3500	60	3500	67.45	3500	59.45

Dome speed

- Dome shutter speed
 - Dome upper shutter fully open = 228 sec (3min 48sec)
 - Dome upper shutter fully close = 228 sec (3min 48sec)
- Dome rotation speed = 1.2 deg/sec (300 sec@50 Hz without VFD)