

Alignment Report of TLT3

TLT3 was absent in the 2018 G1 calibration tour due to it's under fixing when B3TS visiting TL. When TLT3 resumed at Oct. 2018, we calibrated/aligned TLT3 using the 1001_2018 calibration result of the TLT1 (primary GPS receiver of TL) using their CGGTTS data from MJD 58415 to 58421,

$$TOTDLY^J(TLT3) = REFGPS_{raw}^J(TLT3) - REFGPS^J(TLT1) \dots \dots \dots (1)$$

Where

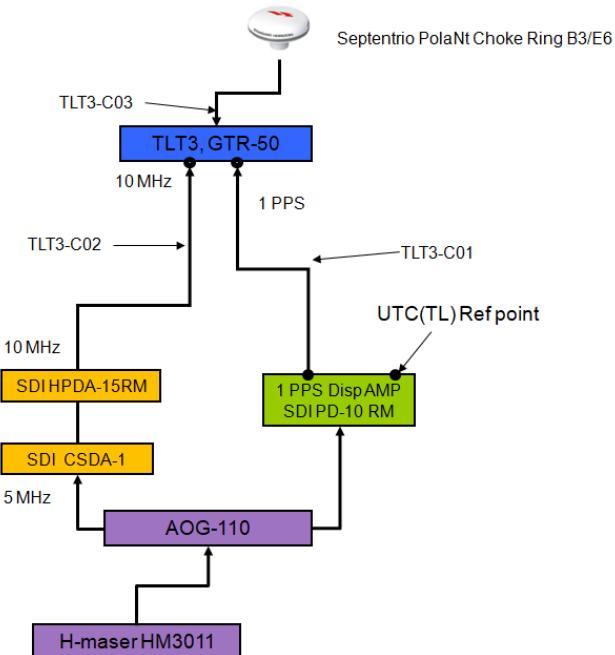
$TOTDLY^J = CABDLY + INTDLY^J - REF DLY$ of TLT3, $J=C1/P1/P2$; $CABDLY = 143.6$, $REF DLY = 25.5$

$REFGPS_{raw}(TLT3)$: un-calibrated $REFGPS$ of TLT3 CGGTTS

$REFGPS(TLT1)$: calibrated $REFGPS$ of TLT1 CGGTTS

The detail is described below:

1. The setup configuration of TLT3



2. Data used for the generation of CGGTTS files

INT DLY (GPS) /ns:	C1: -34.5, P1: -35.7, P2: -32.0
INT DLY (GLONASS) /ns:	No measurement
CAB DLY /ns:	143.6
REF DLY /ns:	25.5
Coordinates reference frame:	Latitude/X: -2994424.46 m Longitude/Y: 4951312.87 m Height/Z: 2674496.83 m

3. CCD results of C1/P1/P2/L3P

TLT1-TLT3	C1	P1	P2
Average (ns)	-34.503	-35.701	-32.002
Standard Deviation (ns)	0.185	0.192	0.219

