TMS LBC procedures

Preparation

TMS Measurement

Adjustments

Send Corrections

Telescope Status

LBC not authorized

PSF Pre-collimation

M1 Status

Not Ready

Ready

TMS Measurement (ml3.py)

Read TMS Sensors

Raw

Ref Vector

Telemetry

(EL, Temp)

(Ref) Zenith Distance

Polynomial Coeff

Polynomials

LBC Guiding Correction

PSF Instrument Offset

M1 Bending Terms

Sanity Check

Not Valid

Send Corrections

M1 Status

Has Moved

Inside DOFPIA

Yes

Send Corrections

Local Processing

[dx, dy, dz, rx, ry, rz]

Andrew's Add-on

Query TCS Data Dictionary

Local Calculation

Send TCS/PSF Corrections

Stop and Exit

Read Remote Sensors

Read/Write Files

TMS Correction Vectors

Uncertain Steps (to be refined)

LBT TMS/LBC Procedure Overview

Version 0.1, May 2020 (Yang Zhang, yzhang@lbto.org)

(z11, z22)