

SIDAC 36M TEST DATA

DARKFRAME

Make: Sky-Watcher

Model: Star Adventurer StellarTune V.3

Job No: 0766

Owner: Tomasz Chmielak

Worm Cycle: 600 seconds

Unguided Sidereal RA Drift Test Duration: 1800 seconds

Pre-Build ArcSec/min: 0.888 Average

Post-Build ArcSec/min: 0.551 Average

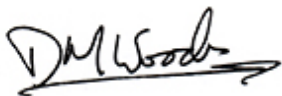
Test Rig: SIDAC 36M - R3M

The above data is based on our own in-house calibrated test rigs using unguided Sidereal Rate over several worm-cycles. The above results are both before and after build. The test is design to illustrate the mechanical sidereal tracking accuracy of the equatorial mount without the variables of atmospeheric conditions, or user setup.

This ArcSec/min drift value will allow the user to calculate the theoretical unguided image exposure duration, based on the user's imaging pixel scale. The above figure does not allow for polar misalignment, poor balance or incorrect electrical current.

This data demonstrates the sidereal tracking drift value at time of test only.

Signed:



Date: 06 February 2020