

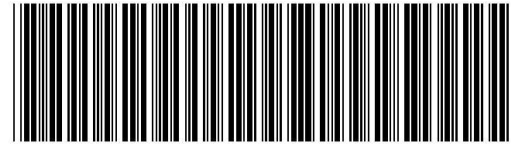


Quality control certificate

RiFAST-400 #2017580014



Order ID: OS16056
Configuration: RiFAST - 400
BFL: 188,0mm **MBFL:** 164,0mm
Focal length: 1520,0mm **Focal Ratio:** 3,8



TELES2017580014

Test reports

Test phase	Result	Signed by
Collimation		
Optical bench collimation (Magnification factor) Standard optical bench collimation in auto-collimation mode	608	FP on 2017-04-04 09:21
MBFL Calibration Distance between focal plane and telescope backplate measurement	164	FP on 2017-04-04 09:23
BFL Calibration Distance between focal plane and last optical surface measurement	188	FP on 2017-04-04 09:23
Aberration/optical surface deformation check Verification of instrument aberration caused by optical surface deformation	OK	FP on 2017-04-04 09:23
FFBFL Calibration Distance between focal plane and last optical surface measurement (with field flatner onboard)	188	FP on 2017-04-04 09:27
Electronic check		
M1 cabling checks Primary mirror group cabling tests	OK	FP on 2017-04-04 09:22
M2 cabling checks Secondary mirror cabling tests	OK	FP on 2017-04-04 09:22
Boards functionality checks Electronic boards functionality tests	OK	GA on 2017-04-04 09:22
OTA cabling check Optical tube cabling tests	OK	FP on 2017-04-04 09:22
General conformity checks		
Instrument equipment Instrument equipment enclosed in shipment	OK	IPM on 2017-04-04 09:21
Instrument clean Instrument pre-shipment cleaning	OK	EFA on 2017-04-04 09:21
Mechanical parts superficial treatment checks Mechanical parts superficial treatment checks	OK	IPM on 2017-04-04 09:22
Optical surfaces coating/multicoating check Optical surfaces coating/multicoating check	OK	FP on 2017-04-04 09:22
Mechanical tests		
OTA Structural strenght Optical tube general structural strenght	OK	FP on 2017-04-04 09:18
Glue and junction point strength Glue and junction point load verifications	OK	FP on 2017-04-04 09:18
OTA Sizing Optical tube size matching	OK	FP on 2017-04-04 09:18
OTA alignment and planarity Optical tube alignment and planarity measurement	OK	FP on 2017-04-04 09:18
Opto-mechanical tests		
M2 spider measure Secondary mirror spider position for centering mirror in optical axis	OK	FP on 2017-04-04 09:18
Optical and Mechanical axis matching Optical and Mechanical axis matching	OK	FP on 2017-04-04 09:18
M1 vertex to Optical corrector distance measure M1 vertex to Optical corrector distance measure	OK	FP on 2017-04-04 09:18
Spacing between optical elements Verification of space between optical elements	OK	FP on 2017-04-04 09:18

Serial number label

Sign