

MMTO Conversion Technical Memoranda

1988

- 88-1 An f/9 Optical Configuration for a 6.5 m MMT Conversion
D. Blanco
 - 88-2 Field Flatteners for f/9 Optical Design
D. Blanco
 - 88-3 Optical Performance of an f/9 Chopping Secondary
D. Blanco
 - 88-4 Status of Research on the Aluminization of Large Astronomical Mirrors: Source Geometry Design Code and Coating Profile Measurements
B.A. Sabol, J.T. Williams
 - 88-5 Baseline Optical Design, Error Budget, and Collimation Tolerances for a 6.5 m Telescope
D. Blanco
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1989

- 89-1 Glow Discharge Cleaning—Review and Recommendations
B.A. Sabol
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1992

- 92-1 Design Summary of the 6.5 m Telescope Instrument Rotator Control System using a Tape Feedback Encoder
S. Groff
 - 92-2 Image Processing System Description and Specifications for the 6.5 m Telescope
I. Scott-Fleming, C. Foltz, A. Poyner
 - 92-3 Limits of a 2.2m Stressed Lap Baseplate on the MMT and Columbus Mirrors
S.C. West, W.B. Davison
 - 92-4 Interferometric Metrology for a 6.5-meter F/1.25 Paraboloidal Mirror
J.H. Burge
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1993

- 93-1 Analysis and Design of the Glue Joint, Pucks, and Loadspreader Used in the 6.5 m Mirror Support System
S. Callahan

1994

- 94-1 Contact Stress on the 6.5 m Mirror Due to Thermal Expansion
S. Callahan
- 94-2 Two-Puck Load Spreader: Stress Due to Ball Decoupler Failure
S. Callahan
- 94-3 Destructive Stress Tests of the 6.5 m Loadspreader Flexures
S. Callahan, M. McEuen
- 94-4 Static Support Deflection Analysis
S. Callahan
- 94-5 Analysis of the Hardpoint Attachment to the 6.5m Mirror
S. Callahan

1995

- 95-1 Calibration of the Actuator Test Stand
S. C. West

1996

- 96-1 A Hardpoint Length Calculator for the MMT Conversion
S. C. West
- 96-2 The Position Actuators of the 6.5m Borosilicate Honeycomb Primary Mirrors
L. Miglietta, S. Callahan
- 96-3 Summary of Vacuum Tests at TIW (7/24/95 — 8/4/95)
W. Kindred
- 96-4 Seeing Improvements Resulting from Improved Chamber Ventilation
C. Foltz

1997

- 97-1 6.5-m Ventilation System: Exhaust Ejector Performance Test Results
P. Benjamin, S. Callahan
- 97-2 Polishing Specifications for the MMT F/9 Secondary Mirror
S. West

1998

- 98-1 Wind Distortion of the MMT Primary and f/9 Secondary Mirrors, Rev 1
B. Cuerden
- 98-2 The f/9 Hexapod Actuator Acceptance Testing
ADS Italia
- 98-3 6.5 m Instrument Rotator Performance Goals and Specifications (Obsolete, see #99-1)
D. Clark, S. Callahan, J. T. Williams
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1999

- 99-1 6.5 m Instrument Rotator Performance Goals and Specifications, Rev. 2
D. Clark, S. Callahan, J. T. Williams
- 99-2 A High-Precision Differential-Thermocouple Temperature Measurement System for the
6.5m MMT Primary Mirror
S. C. West, P. Spencer, S. Callahan
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2000

- 00-1 6.5 m Instrument Rotator Performance Goals and Specifications, Rev. 3
D. Clark, S. Callahan, J. T. Williams
- 00-2 Correcting 6.5m Primary Mirror Figure Errors with the Active Supports
S. C. West, H. M. Martin
- 00-3 6.5m MMT f/9-f/15 Hexapod Laboratory Calibration
S. C. West, D. Fisher, P. Spencer, T. Trebisky, B. Hille, G. Weir
- 00-4 Expected Wavefront Errors Due to f/5 Secondary Test Plate
B. Martin
- 00-5 MMT Conversion f/9 Secondary Assembly Procedure
S. C. West, R. Allen