

MMTO Internal Technical Memoranda

1985

- 85-1 Autoguiding with the New Top Box
C. Janes, J. Montgomery
 - 85-2 Flexures
D. Blanco, C. Foltz
 - 85-3 MMTO Documentation System
C. Janes
 - 85-4 Autoguiding Tests, December 5, 1985
D. Blanco, C. Janes, J. Montgomery
 - 85-5 Autoguiding Techniques
F. Chaffee, C. Foltz, C. Janes, J. Montgomery
-

1986

- 86-1 MMTO Servo Drive System
C. Janes
 - 86-2 Notes on Tracking and Flexure Coefficients from Engineering Nights
December 19, 1985 and January 2 and 6, 1986
C. Janes
 - 86-3 Recommendations for Upgrade to the MMT Computer Room Power System and Protection
of the Computer Room Environment
A. Poyner, C. Janes
 - 86-4 Grounding System for Steward Observatory Building
C. Janes
 - 86-5 Temperature Sensor Array for the OSS
C. Janes
 - 86-6 Selection of IR Window and Lens Materials for the MMT 10 Micron and 20 Micron
Photometer
B. Sabol
-

1987

- 87-1 MMT Upgrade: First Order Impact of Various Primary Diameters and Focal Ratios on the Building and Yoke
D. Blanco
- 87-2 Coating the MMT Mirrors at the Sunnyside Facility (The Kindred Legacy)
B. Sabol
- 87-3 MMTO Reticon System
D. Barlow, J. Geary, C. Janes, D. Ouellette
-

1988

- 88-1 Software Limits on Telescope Performance: Considerations for Catching and Tracking a Fast Satellite
A.D. Poyner
- 88-2 Report of the Building Drive Tests (7-30-88)
R.W. Holleman
- 88-3 Mirror Coating at the Sunnyside Facility - An Operational Guide
(Revised, updated version of MMT Internal Technical Memorandum 87-2)
B.A. Sabol
- 88-4 MMT Secondary and Tertiary Puck Repair
B.A. Sabol
- 88-5 The Use of the IBM PC IEEE-488 Control of the HP 3582A Spectrum Analyzer
D.J. Barlow
-

1989

- 89-1 Primary Mirror Emissivity Measurements with the Thermographic Camera
B.A. Sabol
-

1992

- 92-1 Upgrade to the Instrument Rotator Electronics
S. Groff, J.T. Williams
 - 92-2 Procedure for Preloading Building Drive Wheel Bearings - Technique used March 6, 1992
S. Callahan, J.T. Williams
 - 92-3 Frame Grabber Seeing, Pointing, and Tracking Documentation
I. C. Scott-Fleming
-

1993

- 93-1 Remoting Sun Displays with xmx
C. Foltz
 - 93-2 Remote Observing with the MMT
C. Foltz
-

1999

- 99-1 Mt. Hopkins Sky Brightness (See also C. Foltz memo, 6/15/88, correspondence file)
N. Caldwell, C. Foltz, P. Berlind
-

2000

- 00-1 VATT Optical Performance During 98 Oct as Measured with an Interferometric Hartmann Wavefront Sensor
S. C. West, D. Fisher, M. Nelson
-

2001

- 01-1 Secondary Mirrors Support: M2/F5 Hexapod Data Package
ADS International s.r.l.
 - 01-2 Secondary Mirrors Support: M2/F5 Hexapod Design Kinematics Algorithm
ADS International s.r.l.
-

2002

- 02-1 Effects of CO₂ Cleaning and Detergent Washing on Specular and Diffuse Reflectance of the MMT 6.5m Primary Mirror (See addendum, ITM #03-6)
W. Kindred
- 02-2 MMT Mount Control System Operation and Performance
D. Clark
-

2003

- 03-1 MMT F/5 Baffles and Double Reflections
N. Caldwell and B. McLeod
- 03-2 Aluminizing the MMT F/5 Secondary Mirror
B. Kindred
- 03-3 Stewart Platform Matrices for the 6.5m MMT
S. C. West
- 03-4 Science Instrument Interface Control Document for the MMT
D. Blanco and G. Schmidt
- 03-5 Selected Results of Recent MMT Servo Testing
D. Clark
- 03-6 Effects of CO₂ Cleaning and Detergent Washing on Specular and Diffuse Reflectance of the MMT 6.5m Primary Mirror
(Addendum to ITM #02-1)
W. Kindred
-

2004

- 04-1 Pointing/Derotator Coalignment for Alt-Az Telescopes
G. Schmidt
- 04-2 MMT Primary Mirror Wash Results of May 11, 2004
W. Kindred
- 04-3 Control System Prototyping — A Case Study
D. Clark

- 04-5 Re-Evaluation of Aluminum Thickness Distribution on the MMT 6.5m Primary Mirror using New Software
W. Kindred
-

2005

- 05-1 Generation III Aluminizing Power Supplies – A Test Report
D. Clark
- 05-02 Hazardous Chemical Procedures at MMT Observatory – Initial Release
W. Kindred
- 05-3 Primary Mirror Actuators Test Report
D. Clark
-

2008

- 08-1 Minimum Daily Ambient Air Temperatures at the MMT Observatory, Mt. Hopkins, Arizona, December 2003 through January 2008
J. D. Gibson, D. Clark, B. Comisso, T. Gerl, C. Knop, R. Ortiz, T. Pickering, D. Porter, D. Smith, P. Spencer, T. Trebisky, K. Van Horn, G. Williams, J. T. Williams
- 08-2 MMT Primary Mirror Ventilation System Temperatures Versus Carrier Chiller Setpoint Values: A Linear Regression Analysis, January through December, 2007
J. D. Gibson, D. Clark, B. Comisso, T. Pickering, G. Williams, S. Callahan, C. Chute, T. Gerl, C. Knop, R. Ortiz, D. Smith, T. Trebisky, K. Van Horn, B. Stangret, J. T. Williams
-

2009

- 09-1 Elevation Servo Review Committee Report
T.E. Pickering (MMTO, chair), P. Cheimets (SAO), S. Schaller (MMTO), J. Hagen (SO), D. Harvey (SO)
- 09-2 Elevation Tracking for the 3rd Trimester of 2008 (September – December, 2008)
D. Clark, T. Trebisky, T. Pickering
- 09-3 Azimuth Tracking for the 3rd Trimester of 2008 (September – December, 2008)
D. Clark, T. Trebisky, T. Pickering