

## **BIMONTHLY SUMMARY**

**March - April 2000**

*Bill Kindred and J.T. Williams reflected in the aluminized f/9 secondary mirror (April 20, 2000).*

### **I. Personnel**

Pamela Garrison was hired as a temporary drafter, to assist in the design of the f/5 cell, in early March.

Craig Foltz and Dan Brocius (FLWO) participated in six meetings of the Canoa Ranch Stakeholders during the period April 10-16. The meetings were called by the Pima County Administrator to discuss a compromise proposal for limited development of the Canoa Ranch parcel.

Craig Foltz gave a progress report on the Conversion Project to the Arizona Astronomy Board on April 13, and gave a public talk on the MMT Conversion to the Oro Valley Kiwanis Club on April 25.

Craig Foltz served on the review committee for the WYIN telescope project on April 17-18. The other members of the committee were Jeremy Mould (ANU) and Richard Kron (Chicago).

### **II. Development**

#### **A. The 6.5 m Telescope Project**

A thorough review of project activities is given in *The MMT Conversion Quarterly Summary*, to which interested readers are referred. The most recent edition, covering the period from January 1 - June 30, 1999 can be found on the web at [http://sculptor.as.arizona.edu/foltz/qsum99\\_1/](http://sculptor.as.arizona.edu/foltz/qsum99_1/).

### **III. Operations**

No activity to report.

### **IV. General Facility**

No activity to report.

### **V. Optics**

No activity to report.

## **VI. Maintenance and Repair**

No activity to report.

## **VII. Visitors**

A group representing the COSPA Consortium and the Academia Sinica Institute for Astronomy and Astrophysics in Taiwan visited the MMT on April 27, 2000, accompanied by Craig Foltz and Erick Young (Steward). The members of the delegation were:

Fred Lo - Director of the ASIAA

Sun Kwok - Professor, University of Calgary and member of the ASIAA Advisory Board

Howard Yee - Professor, University of Toronto and member of the ASIAA Advisory Board

You-Hua Chu - Professor, University of Illinois

Wen-Ping Chen - Associate Professor, Taiwan National Central University

Shiang-Yu Wang - Physicist, will begin at ASIAA this fall to work on optical/IR instrumentation

## **VIII. Publications**

### **A. MMTO Internal Technical Memoranda**

None

### **B. MMTO Technical Memoranda**

None

### **C. MMT Conversion Internal Technical Memoranda**

None

### **D. MMT Conversion Technical Memoranda**

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

### **E. MMTO Technical Reports**

None

### **F. Scientific Publications**

00-1 Absolute Dimensions of the A-Type Eclipsing Binary V364 Lacertae  
Torres, G., Lacy, C. H. S., Claret, A., Zakirov, M. M., Arzumanyants, G. C., Bayramov, N.,  
Hojaev, A. S.

*AJ*, **118**, 1831.

- 00-2 A Uniform Analysis of the Ly- $\alpha$  Forest at Z=0 - 5: I. The Sample and Distribution of Clouds at Z > 1.7  
Scott, J., Bechtold, J., Dobrzycki, A.  
To appear in the *ApJ*.
- 00-3 A Uniform Analysis of the Ly- $\alpha$  Forest at Z=0 - 5: II. Measuring the Mean Intensity of the Extragalactic Ionizing Background Using the Proximity Effect  
Scott, J., Bechtold, J., Dobrzycki, A., Kulkarni, V.  
To appear in the *ApJ*.
- 00-4 Observations of H<sub>2</sub> in Quasar Absorbers  
Bechtold, J.  
*H<sub>2</sub> in Space* meeting in Paris, France, September 28 - October 1, 1999, eds. F. Combes, G. Pineau des Forêts, Cambridge University Press, Astrophysics Series.
- 00-5 Measurement of Atmospheric Turbulence with a Shack-Hartmann Wavefront Sensor at the New MMT's Prime Focus  
McGuire, P. C., Langlois, M. P., Lloyd-Hart, M., Rhoadarmer, T. A., Angel, J. R. P.  
SPIE conference on *Adaptive Optics Systems and Technology*, ed. P. Wizinowich, Munich 2000.

## G. Observing Reports

Copies of these publications are available from the MMTO office. We remind MMT observers to submit observers' reports, as well as preprints of publications based on MMT research, to the MMTO office. Such publications should have the standard MMTO credit line: "Observations reported here were obtained at the Multiple Mirror Telescope Observatory, a facility operated jointly by the University of Arizona and the Smithsonian Institution."

Submit publication preprints to [bruss@as.arizona.edu](mailto:bruss@as.arizona.edu) or to the following address:

MMT Observatory  
P.O. Box 210065  
University of Arizona  
Tucson, AZ 85721-0065

## H. MMTO in the Media

KOLD-TV newsman Jim Becker and a cameraman came to the mountain on April 11, 2000, accompanied by Craig Foltz. A story was produced on the latest aluminizing attempt and the progress of the Conversion Project.

## I. MMTO Home Page

The MMTO maintains a World Wide Web site (the MMT Home Page) which includes a diverse set of information about the MMT and its use. Documents that are linked include:

1. General information about the MMT and Mt. Hopkins.

2. Telescope schedule.
3. User documentation, including instrument manuals, detector specifications, and observer's almanac.
4. A photo gallery of the Conversion Project as well as specifications and mechanical drawings related to the Conversion.
5. Information for visiting astronomers, including maps to the site and observing time request forms.
6. The MMTO staff directory.

The page can be accessed in two ways. First, it can be loaded via URL <http://sculptor.as.arizona.edu>. Second, it can be accessed via a link from the OIR's MMT page at URL <http://cfa-www/cfa/oir/MMT/mmt/foltz/mmt.html>. The former should be used by interested parties west of the Continental Divide; the latter is a copy, which is locally mirrored at SAO and is much faster for East Coast access.