

windowing systems. In addition, Motif provides a rich set of tools for continued improvements to our user interface.

The new features incorporated by the Motif based user interface include a context sensitive help capability, a more consistent look and feel, better user control of running processes, and an improved image display system (including an entirely rewritten plotting system).

Even as the X11 conversion is nearing completion, many additional features will be mandated by new instrumentation, larger format CCDs, and the continuing drive to improve observing efficiency. This will include a graphical guide star selection method, a more integrated image display system, as well closer communication with the TCS. The current user interface will serve as a stable base for the development of our future data acquisition and control systems.

Steven Smith and John Kerr

Summit Environmental Monitoring Software

A continuing project at CFHT has been the monitoring of the summit environment. The data collected includes such information as the temperature at various points on the primary mirror, temperature of the telescope support structure, pressure at the mirror load cells, inside dome temperature, outside temperature, relative humidity, wind speed, wind direction, plus much more. Twenty-four hours a day, seven days a week, 100 data points are acquired and stored at 10 minutes intervals. Each day we get 14,400 data points.

This information dates back to 1986. Results from previous years have yielded approximately 80% to 85% of all the possible readings. Each past year's data is contained in a single file roughly 30 megabytes in size.

Efforts are already underway to use this valuable record in determining what factors most affect seeing. The first step was to convert all the previous data into a single format. With this accomplished, we are now ready to begin analysis the data and attempt to correlate it with seeing statistics.

This project is one of the first at CFHT to utilize remote procedure calls and distributed processing. The experience gained here will assist us as we move from single-CPU computing towards a distributed network environment.

J. Wright

IRAF and MIDAS Image Preprocessing at the Summit

A Sun 4 Spark Workstation has recently been installed in the control room of the telescope (4th floor). Two image processing systems are available: IRAF version 2.9.1 which is the official reduction package provided by CFHT and MIDAS portable version 90M09. MIDAS has been installed on a test basis, and the future of this facility will depend on the user's response to it. A previous knowledge of the software is required, and CFHT technical staff makes no commitment on providing real-time help to the observers. For further information on MIDAS contact R. Bacon or R. Arsenault.

CANADIAN AGENCY

Canadian Applications Committee CFHT
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Herzberg Institute of Astrophysics
National Research Council Canada
Ottawa, Ontario
CANADA K1A 0R6

NOTE: Two originals (not FAX copies).

DEADLINES (Postmark date)

For time in first semester — September 1
For time in second semester — March 1

FRENCH AGENCY

Institut National des Sciences de l'Univers
M. le Directeur
77, avenue Denfert-Rochereau
75014 Paris
FRANCE

DEADLINES (Date of receipt):

For time in first semester — September 1
For time in second semester — March 1

UNIVERSITY OF HAWAII

Director
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2680 Woodlawn Drive
Honolulu, Hawaii 96822
U.S.A.

DEADLINES (Date of receipt):

For time in first semester — September 1
For time in second semester — March 1

Requests for observing time on the Canada-France-Hawaii Telescope are made to the member agencies. There are two competitions per year—one for the first semester (January-June) and the other for the second semester (July-December). The mailing addresses and deadlines for proposal submission are indicated for each of the three agencies.

Les demandes de temps d'observation avec le Télescope Canada-France-Hawaii doivent être soumises aux agences associées. L'attribution de temps, sur une base compétitive, est effectuée deux fois par année: une fois pour le premier semestre (janvier à juin) et une fois pour le deuxième semestre (juillet à décembre). Les adresses postales et les délais de soumission sont indiqués ci-contre pour chacune des trois agences.

AGENCE CANADIENNE

Comité canadien de demandes CFH
c/o M. le Directeur
Institut Herzberg d'astrophysique
Conseil national de recherches Canada
Ottawa, Ontario
CANADA K1A 0R6

A noter: Deux copies originales — pas de FAX.

DATES LIMITES (cachet de la poste):

Pour le premier semestre — 1er septembre
Pour le deuxième semestre — 1er mars

AGENCE FRANÇAISE

M. le Directeur
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77, avenue Denfert-Rochereau
75014 Paris
FRANCE

DATES LIMITES (date de réception):

Pour le premier semestre — 1er septembre
Pour le deuxième semestre — 1er mars

UNIVERSITE D'HAWAII

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