

# OBSERVING STATISTICS

The second semester of 1993 (93II) covers a total of 214 nights. During 93II, the telescope is scheduled for scientific use on 185 nights (86%) and for engineering on 29 nights (14%). This compares with 164 scientific nights (91%) and 17 engineering nights (9%) in 93I.

During the 174 scientific nights for visitors, 73 observing programs are scheduled.

The table below shows the distribution of these programs and the allotted nights between various instruments and configurations.

It also shows the number of times each instrument will be installed (or reconfigured) on the telescope. Within the 7 month interval there will be 9 upper-end exchanges.

CFHT INSTRUMENTS	Set-ups	Programs	Nights	VISITOR INSTRUMENTS	Set-ups	Programs	Nights
Coudéf/4	2	3	7	IfA AO	1	5	7
Coudéf/8	3	3	6	C 10 micron	1	2	5
FOCAM	5	7	15	HRCam	3	6	12
FTS	2	8	24	MONICA	1	2	7
FTS+Redeye	1	1	3	ISIS+Redeye	1	3	7
MOS	5	15	39	Lapoune	1	2	5
RedeyeN	2	5	11	TIGER	1	2	6
RedeyeW	3	6	12				
SIS	2	3	8				
<b>CFHT INST. TOTAL</b>	<b>25</b>	<b>51</b>	<b>125</b>	<b>VISITOR INST. TOTAL</b>	<b>9</b>	<b>2</b>	<b>49</b>
				<b>SCIENTIFIC TOTAL</b>	<b>34</b>	<b>73</b>	<b>174</b>

*The average number of nights per visitor program is 2.38.*

*Visitor instrument use represents 29% of all scientific observing.*

## OBSERVING SCHEDULE / CALENDRIER DES OBSERVATEURS

### 2nd Semester 1993 — 2ème Semester 1993

Date (noon-noon) (midl-midl)	Nights Nuits	Observer Observateur	Focus & Instrument Foyer & Instrument	Short Program Title Titre abrégé du projet
Jul 01-17	(17)	—	E01	Telescope Shutdown
18-20	(2)	—	D01 PF	Discretionary
20-23	(1.5)	Vandenbergh	C13 PF	Dist. of Stars in M92, M5, M3 & M13
20-23	(1.5)	Harris	C58 PF	The Size of the M31 Halo
23-24	(1)	—	E02 PF	Engineering
24-26	(2)	Spite	F39 Cou	Degré de Dim. du Lithium dans deux Halo
*26-31	(5)	Mosser	F29 IR	Etude Sismologique de Saturne
31-03	(3)	Lellouch	F32 IR	Spec. IR Proche de Titan
Aug 03-07	(4)	Rucinski	C02 IR	Accretion Disks of FU Ori Stars
07-08	(1)	Owen	H03 IR	Four-Micron Spectroscopy of Saturn
08-10	(2)	Marten	F40 IR	Four-Micron Spectroscopy of Saturn
*10-12	(1)	Boer	F17 F8	Dét. et Nature de Trans. J1915+105
10-12	(1)	—	D02 F8	Discretionary
12-15	(3)	Cowie	H05 F8	Spect. of a Faint K Band Sample
15-17	(2)	Hammer	F07 F8	Sur. Spectro. d'un millier gal. l=22.5
17-18	(1)	—	E03 F8	Engineering
18-20	(2)	Hammer	F07 F8	Sur. Spectro. d'un millier gal. l=22.5
20-22	(2)	Mendes	F36 F8	Mrg. Rate in Current Time
22-26	(4)	Kormendy	H08 F8	Srch for Supermassive Bl. Holes
26-27	(1)	—	D03 F8	Discretionary
27-01	(3)	Davidge	C03 F8	Near IR Imag. of M-P Clust. in Gal. Bulge
28-01	(2)	Welch	C34 F8	Met. Dep. of M31 Cepheid Luminosities
Sep 01-02	(1)	—	E04 F8	Engineering
02-05	(1.5)	Lilly	C53 F8	A Faint Galaxy Redshift Survey
02-05	(1.5)	Hammer	F07 F8	Sur. Spectro. d'un millier gal. l=22.5
05-08	(3)	Pritchett	C50 F8	Srch. for Primeval Gal. in Near-IR
08-09	(1)	—	D04 F8	Discretionary
09-10	(1)	—	E05 F8	Engineering

Date (noon-noon) (midi-midi)	Nights Nuits	Observer Observateur	Focus & Instrument Foyer & Instrument	Short Program Title Titre abrégé du projet
10-11	(1)	—	D05 F8 MOS	Discretionary
11-14	(3)	Hu	H06 F8 MOS	Multi-Object Spectros. of $z > 4$ quasar flds
14-16	(2)	Brewer	C54 F8 MOS	Spectros. of Photom. Ident. Stars in M31
*16-20	(4)	Bonnet	F30 PF FOCAM	Amp. Grav. Stat. des amas avec Arcs
20-22	(2)	Crabtree	C15 PF HRCam	Probing the Glob. Cl. Sys. in NGC 1275
22-24	(2)	—	E06 Cou CoudéF4	Engineering
24-26	(2)	Malaney	C17 Cou CoudéF4	The Interstellar ${}^7\text{Li}/{}^6\text{Li}$ Ratio
26-27	(1)	—	E07 PF FOCAM	Engineering
27-01	(4)	Nadeau	C27 F8 MONICA	High Spatial Res. Imag. of $\text{H}_2$ & [FeII]
Oct 01-04	(3)	StLouis	C39 F8 MONICA	Imag. de Raies dans l'IR WR NGC 2359
04-07	(3)	Soucail	F31 F8 RedeyeW	Photom. IR Prof. des Arclets dans AB 370
07-08	(1)	—	D06 F8 RedEyeW	Discretionary
08-09	(1)	Crabtree	C15 F8 MOS	Probing the Glob. Cl. Sys. in NGC 1275
09-11	(2)	Lequeux	F05 F8 MOS	Etoiles de WR et Néb. Planét. dans M31
11-15	(4)	Carlberg	C36 F8 MOS	Galaxy Cluster Mapping at $z \approx 0.3$
15-18	(3)	Chambers	H07 F8 MOS	Faint Ultra Steep Spect. Radio Srcs
18-21	(3)	Luppino	H01 F8 MOS	Spect. of Grav. Arcs in Cl. of Gal.
*21-24	(3)	Caux	F33 IR C10 $\mu$	Imag. Photom. d'étoiles Pré-Séq-Pr.
24-26	(2)	Merlin	F12 IR C10 $\mu$	L'émission PAH à 8 et 11 $\mu\text{m}$ dans NGC7027
26-27	(1)	—	E08 IR FTS+Redeye	Engineering
27-30	(3)	Cox	F21 IR FTS+Redeye	Near IR Spectro-Imag. of Plan. Nebulea
30-03	(4)	Mitchell	C07 IR FTS	Carbon Isotope Ratio ${}^{12}\text{C}/{}^{13}\text{C}$ in Mol. Cl.
Nov 03-06	(3)	Bohlender	C51 IR FTS	Magnetic Fields in Field F Dwarfs
06-08	(2)	Lester	C44 IR FTS	Hel. Abund. of Halo Dwarf Stars
*08-10	(2)	Maugordato	F46 F8 MOS	Dynamique et Masse Cachée dans A399/A40
10-12	(2)	Henry	F06 F8 MOS	Chemical Abund. Patterns in Cl. Spirals
12-14	(2)	Leger	F10 F8 MOS	Bandes Diffuses Interstellaires en Em.
14-16	(2)	Lilly	C53 F8 MOS	A Faint Galaxy Redshift Survey
16-19	(3)	Emsellem	F35 F8 TIGER	Etude Trid. du Coup. Gaz-étoile
19-22	(3)	Pecontal	F34 F8 TIGER	Ang. Dep. of Radiation in Gal. Nuc.
22-24	(2)	Dougados	F41 F8 RedeyeN	Deep JHK Imaging of Dense Young Cl.
24-26	(2)	Joncas	C10 F8 RedeyeN	Dét. de Masse de Jeune Stellaires
26-28	(2)	Stockton	H04 F8 RedeyeN	Infrared Imag. of $z \sim 1$ Quasar Galaxies
28-29	(1)	—	D07 F8 RedeyeN	Discretionary
29-30	(0.5)	Deharveng	F03 F8 RedeyeW	Cont. Stell. Sys. IR Multiple
29-02	(2.5)	Field	F60 F8 RedeyeW	Srch for Em. from $\text{H}_2$ formed on Dark Clids
Dec *02-04	(2)	FRoddiier	H09 Cou IfA AO	High Resolution Imaging with A.O.
04-05	(1)	Rigaut	F47 Cou IfA AO	Imag. à la limite de Diff. avec l'A.O.
05-06	(1)	Garnavich	C35 Cou IfA AO	Stellar Jets at their Source
06-09	(2)	Pierce	C49 PF HRCam	Role of Mergers in Cl. of Gal. at $z \sim 0.7$
06-09	(1)	—	D08 PF HRCam	Discretionary
09-10	(1)	Emsellem	F37 PF HRCam	Photom. à HR des Rég. Cent. de Ell. Gal.
10-13	(3)	Ménard	F18 PF HRCam	H-R Imag. of Highly Pol. Yng St. Obj.
13-15	(2)	Richer	C55 PF HRCam	Srch for Glob. Cl. in Cooling Fl. Gal.
15-17	(2)	Fahlman	C56 PF FOCAM	Mapping Dark Matter Dist. of Gal. Cl.
17-19	(2)	Ménard	F22 PF FOCAM	H-R Polaro-Imaging of Seyfert 2 Galaxies
19-21	(2)	Bridges	C19 PF FOCAM	Glob. Cl. Formation in Merging Galaxies
21-22	(1)	—	E09 PF FOCAM	Engineering
22-24	(2)	Rice	C09 Cou CoudéF8	Multiline Doppler Imag. of T Tauri Star
25-27	(2)	FRoddiier	H09 Cou IfA AO	High Resolution Imaging with A.O.
27-28	(1)	CRoddiier	H10 Cou IfA AO	Interfer. Imag. of Supergiants & Mira
28-30	(2)	Rice	C09 Cou CoudéF8	Multiline Doppler Imag. of T Tauri Star
30-01	(2)	Deliyannis	H02 Cou CoudéF4	Beryllium in Lithium-Def. Late F Stars
Jan 01-04	(3)	Lemoine	F44 Cou CoudéF4	L'abond. dy Beryllium dans le Milieu
04-05	(1)	—	E10 PF HRCam	Engineering
05-08	(2)	Garnavich	C23 PF HRCam	Radio-Selected Grav. Lens Candidates
05-08	(1)	—	D09 PF HRCam	Discretionary
08-09	(1)	—	E11 PF FOCAM	Engineering
09-11	(2)	Bernstein	C06 PF FOCAM	Grav. Lens. of Dbl Qu. Q0957+561
11-12	(1)	—	E12 F8 SIS	Engineering
12-13	(1)	—	D10 F8 SIS	Discretionary
13-16	(3)	Carlberg	C36 F8 MOS	Galaxy Cluster Mapping at $z \approx 0.3$
16-20	(4)	Ellingson	C38 F8 MOS	A Redshift Survey in Quasar Fields
20-25	(2.5)	Vauclair	F25 F8 Lapoune	Photom. Rapide Multi-Col. de G117-B15A
20-25	(2.5)	Fontaine	C22 F8 Lapoune	H-S Photom. of the DA Dwarf G117-B15A
25-01	(4)	Joly	F53 F8 ISIS+RedEye	Anom. de Pop. Stell. dans les Noy. Gal.
25-01	(2)	Angonin	F50 F8 ISIS+RedEye	Spectro. IR de deux mir. gravitationnels
25-01	(1)	Cuby	F53/F50 F8 ISIS+RedEye	Anom. de Pop. Stell. dans les Noy. Gal.

**Abbreviations/Abréviations**

PF: prime focus / foyer primaire

IR: infrared focus / foyer infrarouge

F/8: cassegrain F/8 focus / foyer cassegrain F/8

Cou: coudé focus / foyer coudé

C: Canada F: France H: Hawaii

E: Engineering /Technique

D: Discretionary time /Temps discrétionnaire

**Note:**

\* Several hours during first night of block may be required for checkout by CFHT staff.

\* Quelques heures en début d'utilisation peuvent être prises pour vérifications par le TCFH.