

# OBSERVING RUN STATISTICS

During the first semester of 1986 (86I), the telescope was scheduled for scientific use on 163 nights (90%) and for engineering on 18 nights (10%). This compares with 165 scientific nights (91%) and 17 engineering nights (9%) in 85II. During the 163 scientific nights, 44 observing programs were scheduled. The table below shows the distribution of these programs and the allotted nights between the various instruments and configurations. It also shows the number of times each instrument was installed on the telescope. For comparison the corresponding figures for 85II are also given.

<u>CFHT INSTRUMENTS</u>	<u>Set-ups</u>		<u>Programs</u>		<u>Nights</u>	
	86I	85II	86I	85II	86I	85II
	RCAI CCD @ PF	4	3	9	3	40
RCAI CCD @ F/8	3	5	3	6	11	26
Coudé Spectrograph + Reticon	4	5	8	10	40	38
Spectro CASSHAWEC	1	-	2	-	8	-
Spectro Herzberg	1	2	1	2	5	9
IR Photometers	2	2	2	3	7	9
FTS	1	2	3	3	3	11
PF Photographic	2	1	2	2	5	4
<b>CFHT Total</b>	<b>18</b>	<b>20</b>	<b>30</b>	<b>29</b>	<b>119</b>	<b>111</b>

<u>VISITOR INSTRUMENTS</u>	<u>Set-ups</u>		<u>Programs</u>		<u>Nights</u>	
	86I	85II	86I	85II	86I	85II
	Spectro UV Prime	1	1	3	2	12
Spectro Multiaperture	1	1	2	3	6	7
Spectro SILF1D	1	-	2	-	4	-
F/8 Electronographic Camera	1	-	2	-	6	-
Photon-Counting Speckle Camera	1	-	1	-	6	-
IFA CCD @ F/8	1	2	1	2	3	7
IFA CCD @ Coudé	1	-	1	-	3	-
Fabry-Perot + IFA CCD	1	1	1	1	2	4
10-micron Imager	1	-	1	-	2	-
<i>Others during 85II (4)</i>	-	4	-	5	-	27
<b>Visitor Total</b>	<b>9</b>	<b>9</b>	<b>14</b>	<b>13</b>	<b>44</b>	<b>54</b>
<b>Scientific Total</b>	<b>27</b>	<b>29</b>	<b>44</b>	<b>42</b>	<b>163</b>	<b>165</b>

On average, we continue to change instruments once a week and to allocate slightly less than four nights per program. The use of the CCD continues to increase. The number of nights given to visitor instruments has decreased in 86I; however the number of such instruments has remained the same.

The following table presents the statistics for time lost for the 167 nights from 1 December 1985 through 17 May 1986. These figures were compiled from the Observing Night Reports, which are completed by the Telescope Operator and verified by the Observer at the end of each night. The corresponding figures from the previous period 1 May through 24 October 1985 (177 nights) are also given.

	<u>Current</u>	<u>Previous</u>
Observing Time	63.5%	79.5%
Time Lost to High Wind (Current)	13.0%	
Time Lost to Other Bad Weather (Current)	20.5%	
Total Time Lost to Weather	33.5%	15.7%
Time Lost to CFHT Equipment	2.7%	4.6%
Time Lost to Visitor Equipment	0.3%	0.2%

As is evident above, the winter weather has been particularly severe this year. There were two long stretches when the dome was never opened: January 24-30 because of high winds and April 7-13, when a storm of record proportions pounded the island for several days leaving the summit blanketed in snow and inaccessible.