

Magellan Telescopes Observatory Report

- **Personnel**
- **Network/Systems Administration**
- **Observing Statistics**

Personnel

- **Skip Schaller** is no longer with the observatory. We have begun the process of hiring a replacement for Skip
- **Felipe Sanchez** has taken over a portion of Skip's work involving the programming and maintenance of Linux workstations.

Problem Tracking

- **Marc Leroy** has been working to get the LCO technical group to begin using software designed to facilitate problem tracking
- The package is called **JIRA**, and was put into operation during March
- All technical problems with the Magellan Telescopes are to be logged using JIRA
- A person who is responsible for following up and solving the problem is assigned when the problem is first logged

Network/Systems Administration

- With the assistance of CTIO, a plan has been developed for long-term systems and network administration is complete.
 - Internet access is now through CTIO . The limiting link in the network is now the connection from LCO to El Pino. This link is still provided by CTC
 - New firewalls, routers, switches, wireless routers and a 1 Gigabit link to the bridge between LCO and El Pino are being installed. This work is ~ 33% complete and will proceed as time allows.
 - The transition to CTIO system administration is underway
 - All new computer installations are being done by CTIO

Observing Statistics

Baade Telescope Instrumentation Usage:

	12 Apr 2005- 14 Sep 2005	16 Sep 2005 29 Mar 2006
IMACS	63%	68%
PANIC	37%	32%

Clay Telescope Instrumentation Usage:

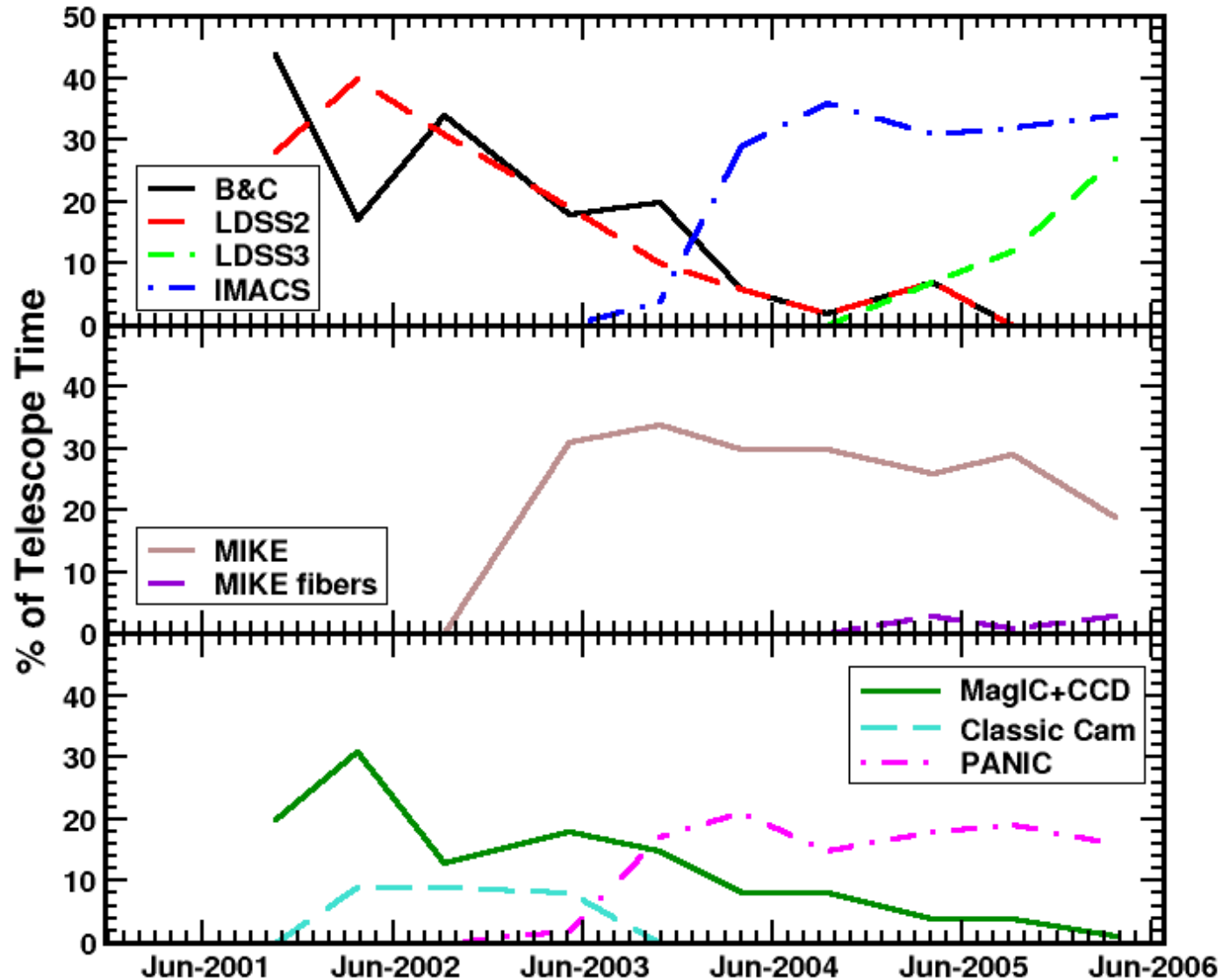
	12 Apr 2005- 14 Sep 2005	15 Sep 2005- 29 Mar 2006
MIKE	60%	39%
MIKE fibers	3%	6%
LDSS-3	23%	53%
MagIC	9%	2%
Other	5%	--

Observing Statistics

Baade + Clay Telescopes Instrumentation Usage:

	12 Apr 2005- 14 Sep 2006	15 Sep 2005 29 Mar 2006
IMACS	32%	34%
MIKE	29%	19%
MIKE fibers	1%	3%
PANIC	19%	16%
LDSS-3	12%	27%
MagIC	4%	1%
Other	3%	--

Long-Term Trends: Instrument Usage



Observing Statistics

15 Sep 2005-29 Mar 2006:

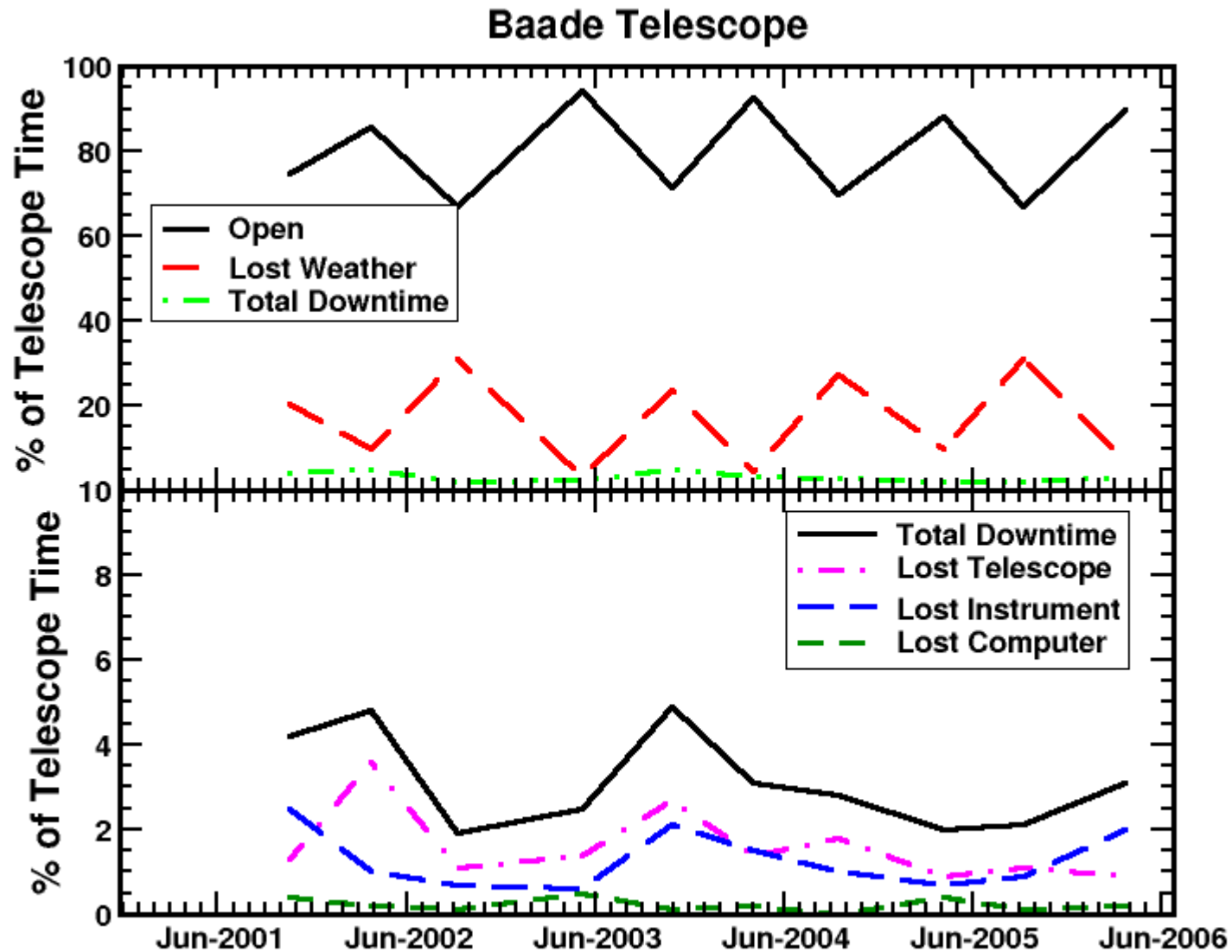
	Baade	Clay
% Open	89.8%	91.8%
% Lost to Weather	7.0%	6.4%
% Lost to Telescope	0.9%	0.8%
% Lost to Instrument	2.0%	0.7%
% Lost to Computer	0.2%	0.3%
% Total Downtime	3.1%	1.8%

Observing Statistics

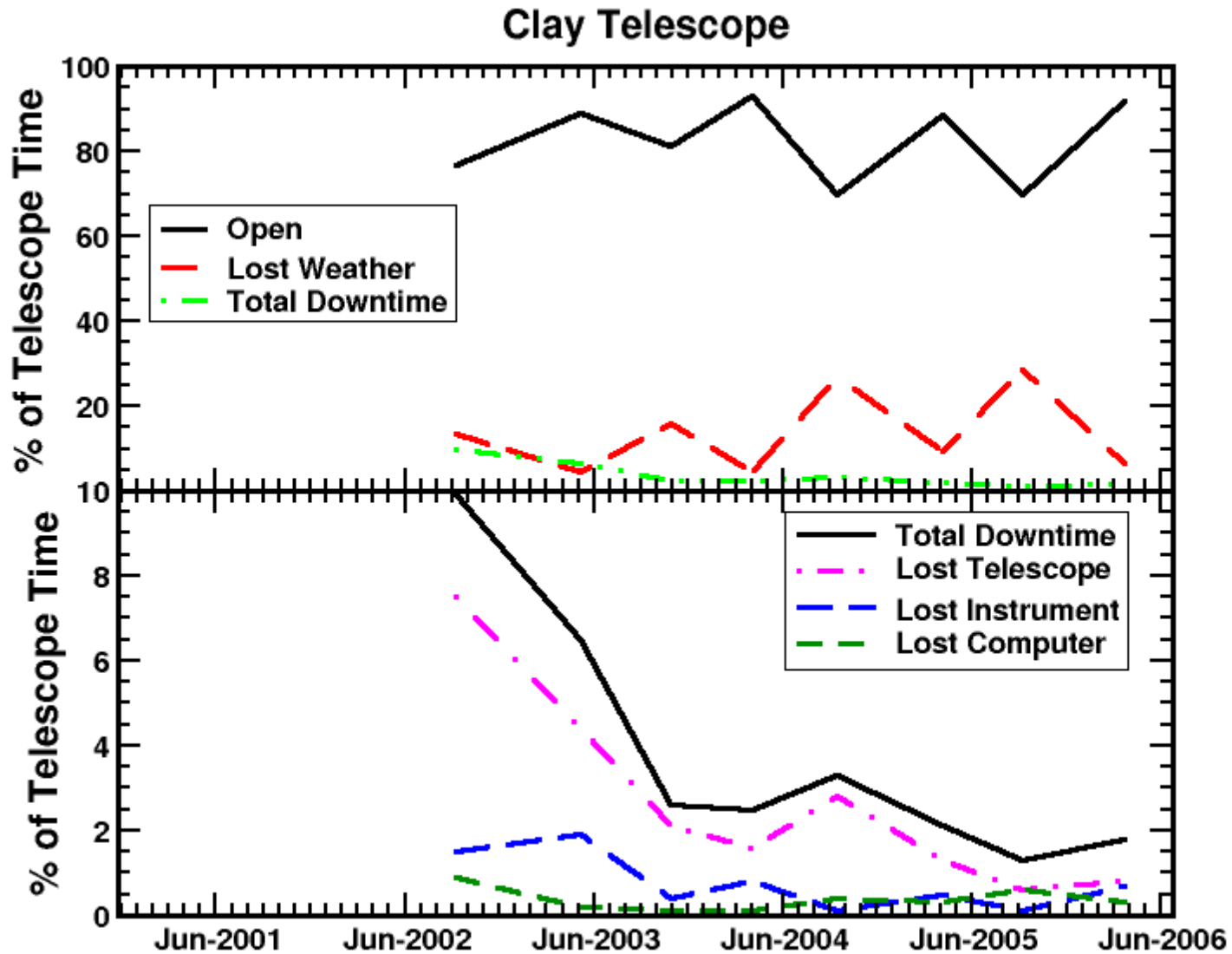
Instrument Downtime:

	12 Apr 2005- 14 Sep 2005	15 Sep 2005- 29 Mar 2006
MIKE	0.2%	0.4%
MIKE fibers	0.0%	0.0%
MagIC	0.1%	0.0%
LDSS-3	0.0%	1.1%
IMACS	1.4%	2.5%
PANIC	0.2%	1.1%
Other	0.0%	--

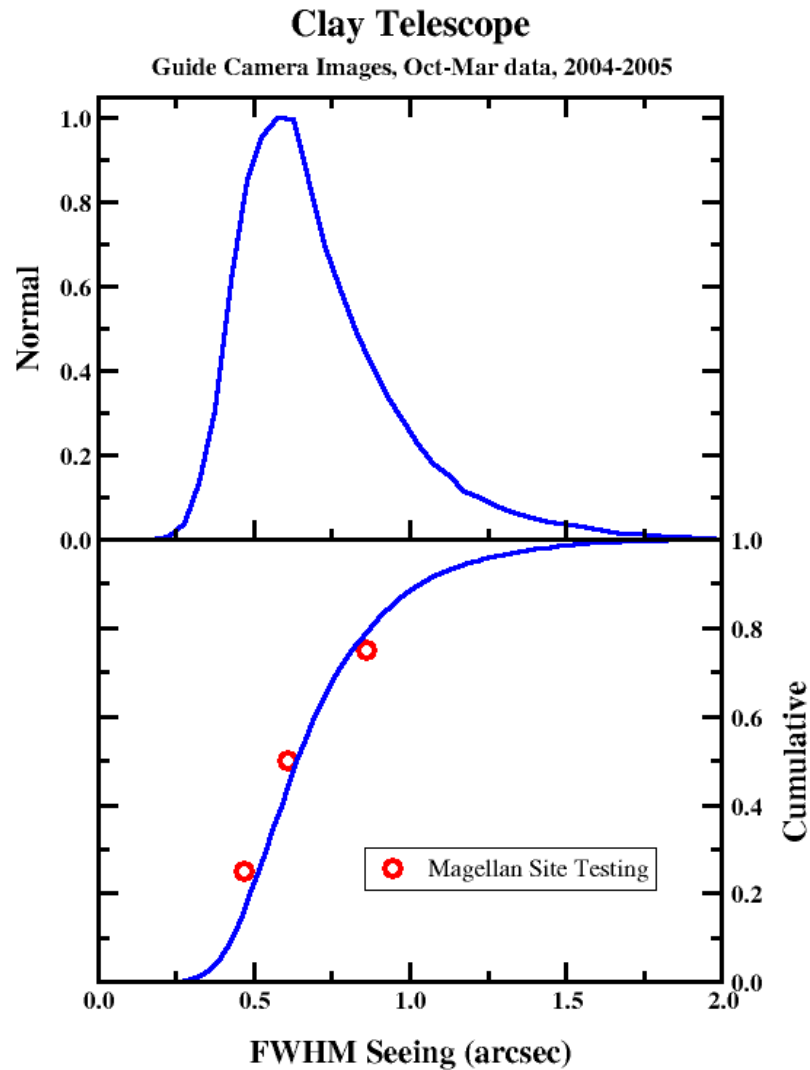
Long-Term Trends: Baade



Long-Term Trends: Clay



Seeing: Clay Telescope Guide Camera



- Image quality of the Magellan Clay 6.5 m telescope as measured from guide camera images indicates that the seeing at Manqui hasn't changed significantly since the Magellan Site Testing measurements made 15 years ago
- These data indicate that the seeing is $\sim 0.1''$ better in the summer half of the year than the winter half