# Magellan Associate Director Report

- Personnel
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- Commissioning of Instruments
  - Existing instruments
  - Future Instruments

# Personnel

- ***No Personnel Changes during this reporting period***
- ***Search underway for Mechanical Engineer***
  - Would become Magellan Telescope Engineer on site
  - Searching in Chile
- ***Offers made for Magellan Fellow positions***
  - Interviews carried out by telephone on March 11
  - Offers made to two candidates
  - Current Magellan Fellows, David Floyd & Ricardo Covarrubias, will depart in mid-2009 (David) and late-2009 (Ricardo)

# Observing Statistics

**Baade** Telescope Instrumentation Usage:

| | 3 Mar 2008-<br>2 Sep 2008 | 3 Sep 2008-<br>22 Feb 2009 |
|---|---|---|
| IMACS | 60% | 67% |
| PANIC | 20% | 29% |
| MagIC | 20% | 4% |

**Clay** Telescope Instrumentation Usage:

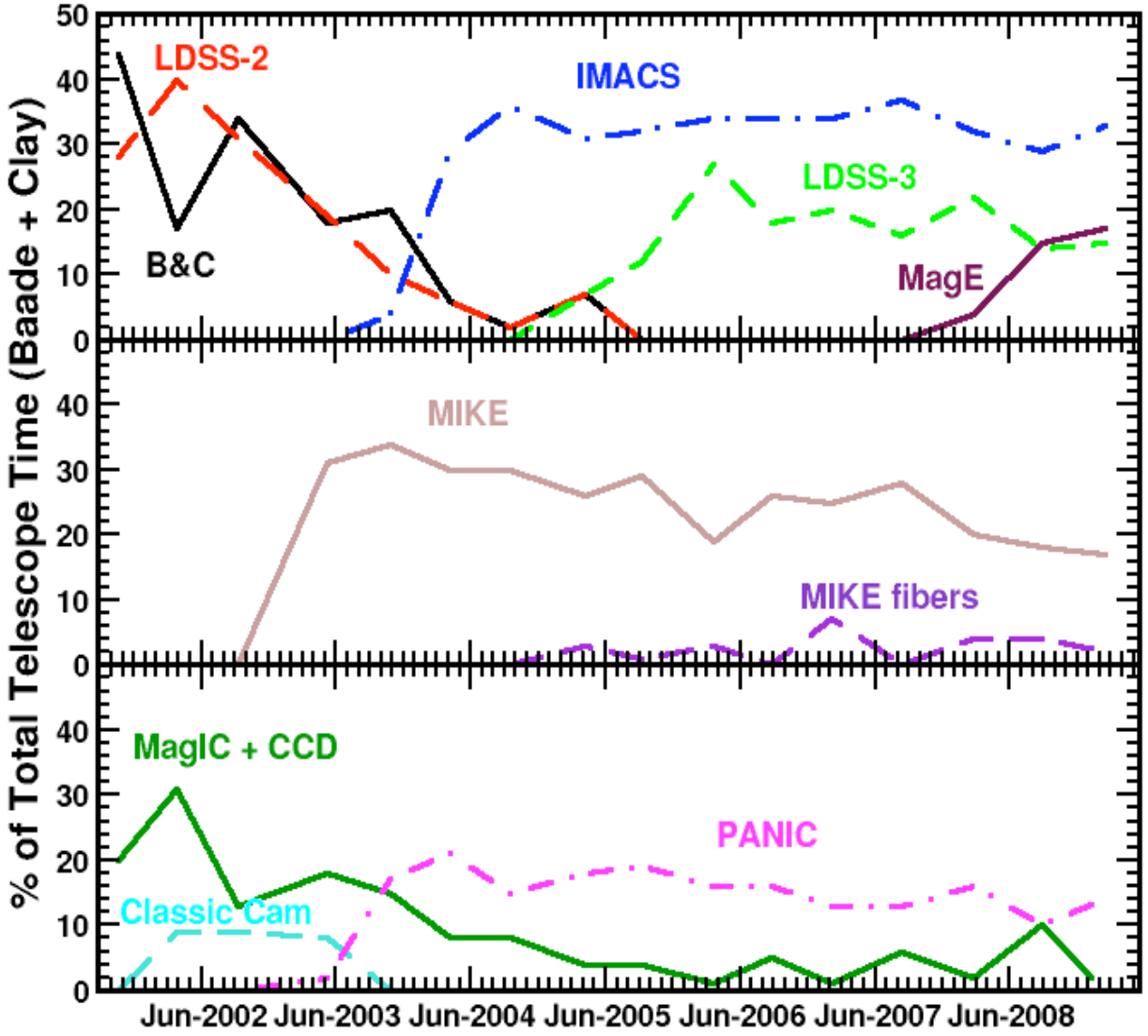
| | 3 Mar 2008-<br>2 Sep 2008 | 3 Sep 2008-<br>22 Feb 2009 |
|---|---|---|
| MIKE | 36% | 34% |
| MIKE fibers | 8% | 3% |
| LDSS-3 | 27% | 30% |
| MagE | 29% | 33% |

# Observing Statistics

**Baade + Clay** Telescopes Instrumentation Usage:

| | 3 Mar 2008-<br>2 Sep 2008 | 3 Sep 2008<br>22 Feb 2009 |
|---|---|---|
| IMACS | 29% | 33% |
| MIKE | 18% | 17% |
| LDSS-3 | 14% | 15% |
| PANIC | 10% | 14% |
| MagE | 15% | 17% |
| MIKE fibers | 4% | 2% |
| MagIC | 10% | 2% |

# Observing Statistics: Instrument Usage



# Observing Statistics

3 Sep 2008-22 Feb 2009:

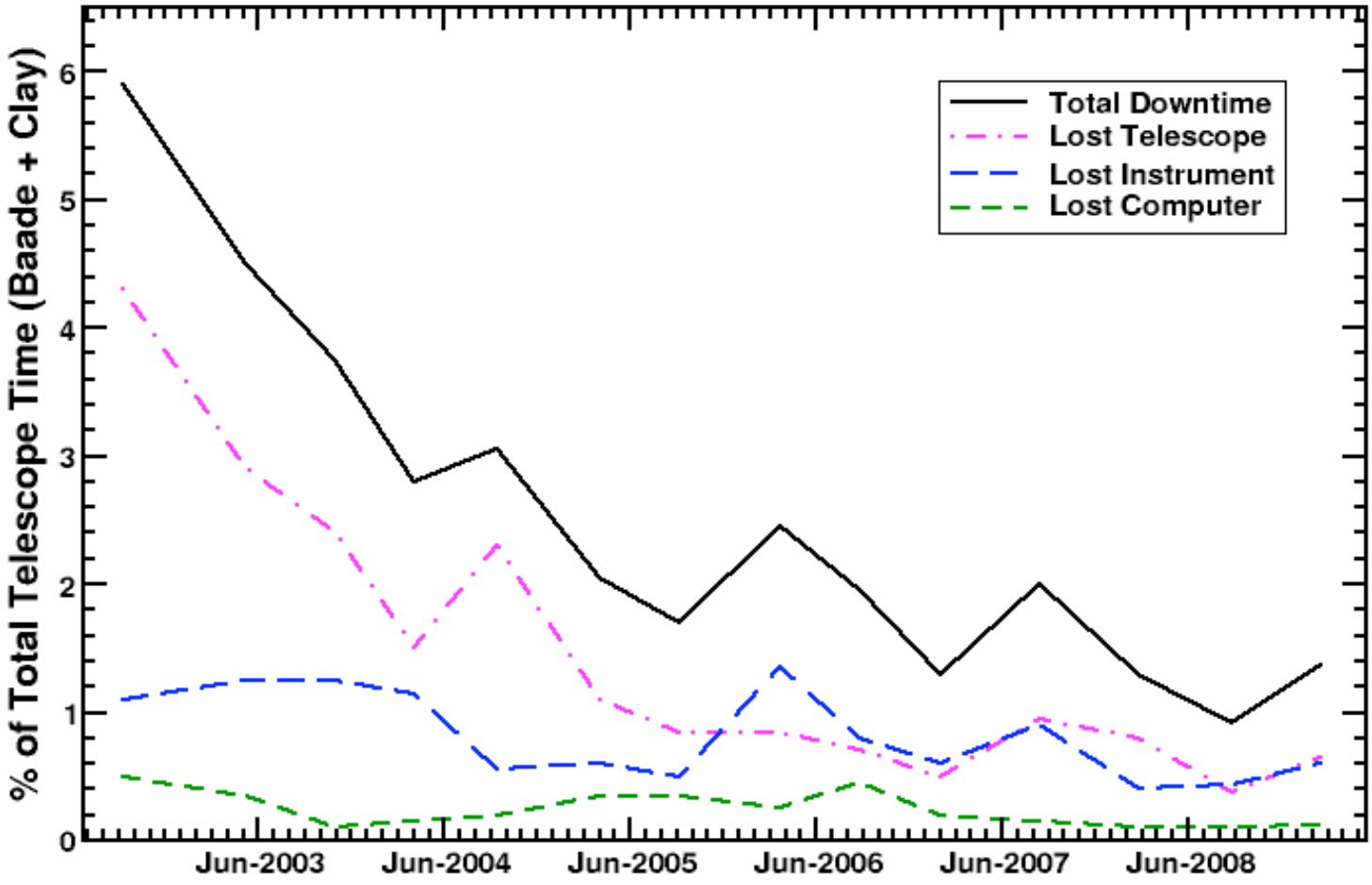
| | Baade | Clay |
|---|---|---|
| % Open | 88.5% | 90.8% |
| % Lost to Weather | 10.0% | 8.1% |
| % Lost to Telescope | 0.4% | 0.9% |
| % Lost to Instrument | 1.0% | 0.2% |
| % Lost to Computer | 0.2% | 0.1% |
| **% Total Downtime** | **1.6%** | **1.2%** |

# Observing Statistics

## Instrument Downtime:

| | 3 Mar 2008-<br>2 Sep 2008 | 3 Sep 2008-<br>22 Feb 2009 |
|---|---|---|
| MIKE | 0.1% | 0.0% |
| MIKE fibers | 0.6% | 0.0% |
| MagIC | 1.7% | 0.0% |
| LDSS-3 | 0.0% | 0.5% |
| IMACS | 0.6% | 1.0% |
| PANIC | 0.3% | 0.9% |
| MagE | 0.1% | 0.0% |

# Observing Statistics: Downtime



# Commissioning of Instruments

- ***MagIC*** -- almost commissioned?
  - MagIC is currently operating both the SITe and E2V CCDs powered at the same time (but only one connected via fiber pair to the computer)
  - It takes 5 minutes to switch between the SITe and E2V detectors
  - A new user interface for MagIC-E2V, “LOUI” (Lowell Observatory User Interface), enabling frame-store mode and precise GPS timing was installed by Brian Taylor, working under contract to MIT, in January 2009
  - LOUI is not yet user-friendly; MagIC-E2V will therefore be operated in User (P.I.) mode in 2009B

# Commissioning of Instruments (cont.)

- ***MagE*** -- almost commissioned
  - MagE has now been in routine science operations for over a year
  - Operation is routine, with very few issues
  - Initial estimates of the support required (two hours block time from an Instrument Specialist per two week period) have been met
  - The Council has been asked to declare MagE a commissioned facility instrument

# Commissioning of Instruments (cont.)

- ***LDSS3*** **–** retired as a facility instrument
  - As per Council instructions, LDSS3 has been retired as a facility instrument
  - Carnegie and Harvard will operate LDSS3 as a User (P.I.) instrument during 2009A & 2009B
  - Support for observers is being provided by Carnegie and Harvard
- ***PANIC*** **–** never officially commissioned
  - PANIC has never been officially commissioned, and never will be
  - It is looking likely that PANIC will be retired as a facility instrument after 2009B

# Commissioning of Future Instruments

- 4 new facility instruments (Megacam, MMIRS, FourStar, FIRE) and 2 new user (PFS, PISCO) instruments are likely to be ready for commissioning in 2009-2010
- This is likely to require significant amounts of engineering time, and will be a challenge to schedule along with the other required work on the telescopes and instruments
- We need to decide soon where the instruments will be mounted
- *My suggestion is that we concentrate on coming up with a workable 6 port plan*