



# Observing and Scheduling Statistics

Meudon Observatory, Paris, France

March 2018



# 2017 Observing Statistics

- According to the observing reports:
  - Unique observations:
    - CLASSIC: 1187
    - CLIMB: 924
    - JouFLU: 361
    - MIRC: 326
    - PAVO: 1471
    - VEGA: 1080
  - Reasons for Closures:
    - Rain: 12
    - Humidity: 48
    - Clouds: 11
    - Seeing: 13
    - Wind: 13
    - Technical: 7
    - Engineering: 10
    - Fire: 9
- Feb 1 – Dec 24: 326 nights scheduled
- Nights including at least one “observable” considered
- Nights with data: 208
- Closed Nights: 118 (36.2%)
- Compared with 2015
  - 29.5% closed (78/265)



# 2017 Observing Statistics

- Monthly Breakdown:
  - February: 28 nights available – 22 nights closed (79% lost)
  - March: 31 nights available – 13 nights closed (42% lost)
  - April: 30 nights available – 22 nights closed (73% lost)
  - May: 31 nights available – 15 nights closed (42% lost)
  - June: 30 nights available – 1 night closed (3% lost)
  - July: 31 nights available – 8 nights closed (256% lost)
  - August: 31 nights available – 5 nights closed (16% lost)
  - September: 30 nights available – 9 nights closed (30% lost)
  - October: 31 nights available – 10 nights closed (32% lost)
  - November: 29 nights available – 9 nights closed (31% lost)
  - December: 23 nights available – 9 nights closed (39% lost)



# 2017 Observing Statistics

- **February:**
  - Rain/Humidity: 18 nights
  - Technical: 1 night
  - Clouds/Seeing: 3 nights
- **March:**
  - Rain/Humidity: 7 nights
  - Clouds/Seeing/Wind: 4 nights
  - Engineering/Technical: 2 nights
- **April:**
  - Rain/Humidity: 7 nights
  - Clouds/Seeing/Wind: 15 nights
- **May:**
  - Rain/Humidity: 9 nights
  - Clouds/Seeing/Wind: 1 night
  - Engineering/Technical: 5 nights
- **June:**
  - Rain/Humidity: 1 nights
- **July:**
  - Fire/Smoke: 1 night
  - Clouds/Seeing/Wind: 1 night
  - Engineering/Technical: 6 nights



# 2017 Observing Statistics

- **August:**
  - Rain/Humidity: 2 nights
  - Technical: 1 night
  - Clouds/Seeing: 2 nights
- **September:**
  - Rain/Humidity: 6 nights
  - Fire/Smoke: 1 night
  - Engineering/Technical: 2 nights
- **October:**
  - Rain/Humidity: 2 nights
  - Clouds/Seeing/Wind: 2 nights
  - Fire/Smoke: 6 nights
- **November:**
  - Rain/Humidity: 8 nights
  - Clouds/Seeing/Wind: 1 night
- **December:**
  - Clouds/Seeing/Wind: 8 Nights
  - Fire/Smoke: 1 night



# 2018A Scheduling Statistics

- 2018A Nights available: 181 nights
  - 25 Nights Allotted for NOAO (156 for internal)
  - Optimum Requested: 199.5
  - Minimum Requested: 168.0
- Instrument Breakdown(including NOAO):
  - Classic: 5 programs (11.5/8.5 nights)
  - CLIMB: 6 programs (27/23 nights)
  - JouFLU: 1 program (4/4 nights)
  - MIRC: 14 programs (92/79 nights)
  - PAVO: 9 programs (35/23.5 nights)
  - VEGA: 11 programs (30 nights)
- NOAO Statistics
  - 12 programs applied + 1 from 2017B
  - 9 Accepted
    - 2 Classic
    - 2 CLIMB
    - 2 MIRC
    - 1 PAVO/Classic
    - 1 VEGA
    - 1 MIRC/CLIMB (TOO)



# Downtime Discussion

- With the addition of Feb-Mar observing, changes have to be made to telescope downtime / observing during CHARA meeting.
- Telescopes:
  - Two on the same arm was fine when done in the “off season”
  - Scientific and Scheduling challenges when done during the observing season.
  - Two on same arm
    - Option 1: different time periods (one during 20XXA, one 20XXB, or at least 1 month apart)
    - Option 2: One during January (weather permitting, may not be available for part of Feb), the other during the season.
  - Different Arms:
    - Option 3: Two at same time, allows most programs to continue (S1W2, W1E2, S2E1, etc)