



Observing Report for 2016

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Carnegie Observatories
Pasadena, CA





Observing Report Topics

- Observing statistics
- Nights attempted 2006-2016
- Nights with data 2016
- Nights without data 2016
- Why We Didn't Collect Data
- Hindrances to Data Collection
- Seeing trends in 2016
- Who were the Winners?



Observing Statistics

- 220 nights scheduled in 2016. We started in mid-May to get as much of the AO installations done at the telescopes.
- 163 nights with at least one observation
- 74.1% success rate
- 57 nights without data
- 0 nights without a report!
- Best seeing reported: July 15, 16.34cm mean
- 22.0cm 10min. avg., 24.9cm instantaneous.

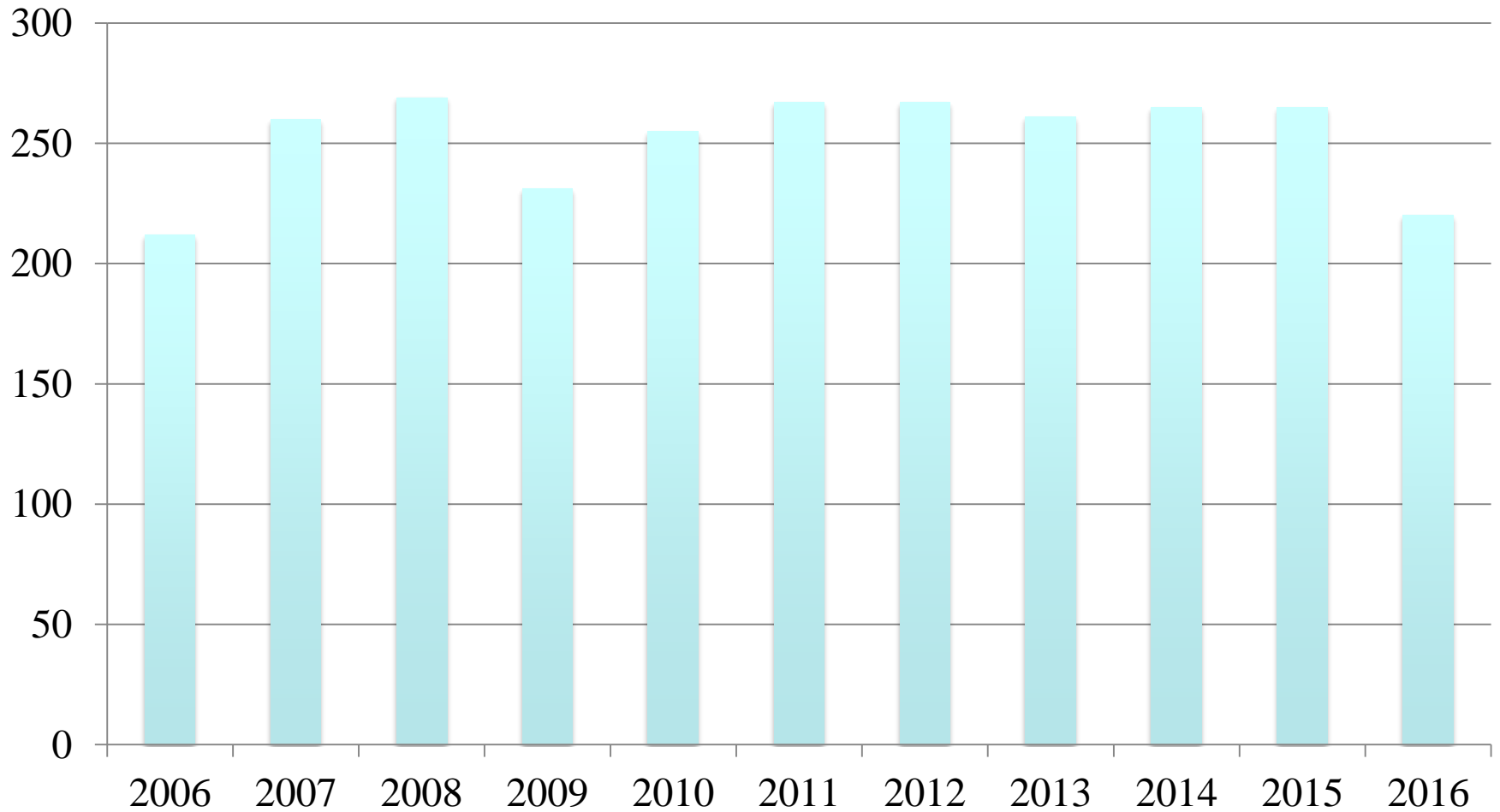


Observing Statistics

- Best stretches of nights with data:
 - 41 nights from July 25 to September 3
 - 27 nights from to June 26 to July 22
- Worst stretch of nights with no data:
 - 8 nights from December 16 to 23
- Worst equipment failure: Tiptilt camera controller
- 1 night lost, November 30

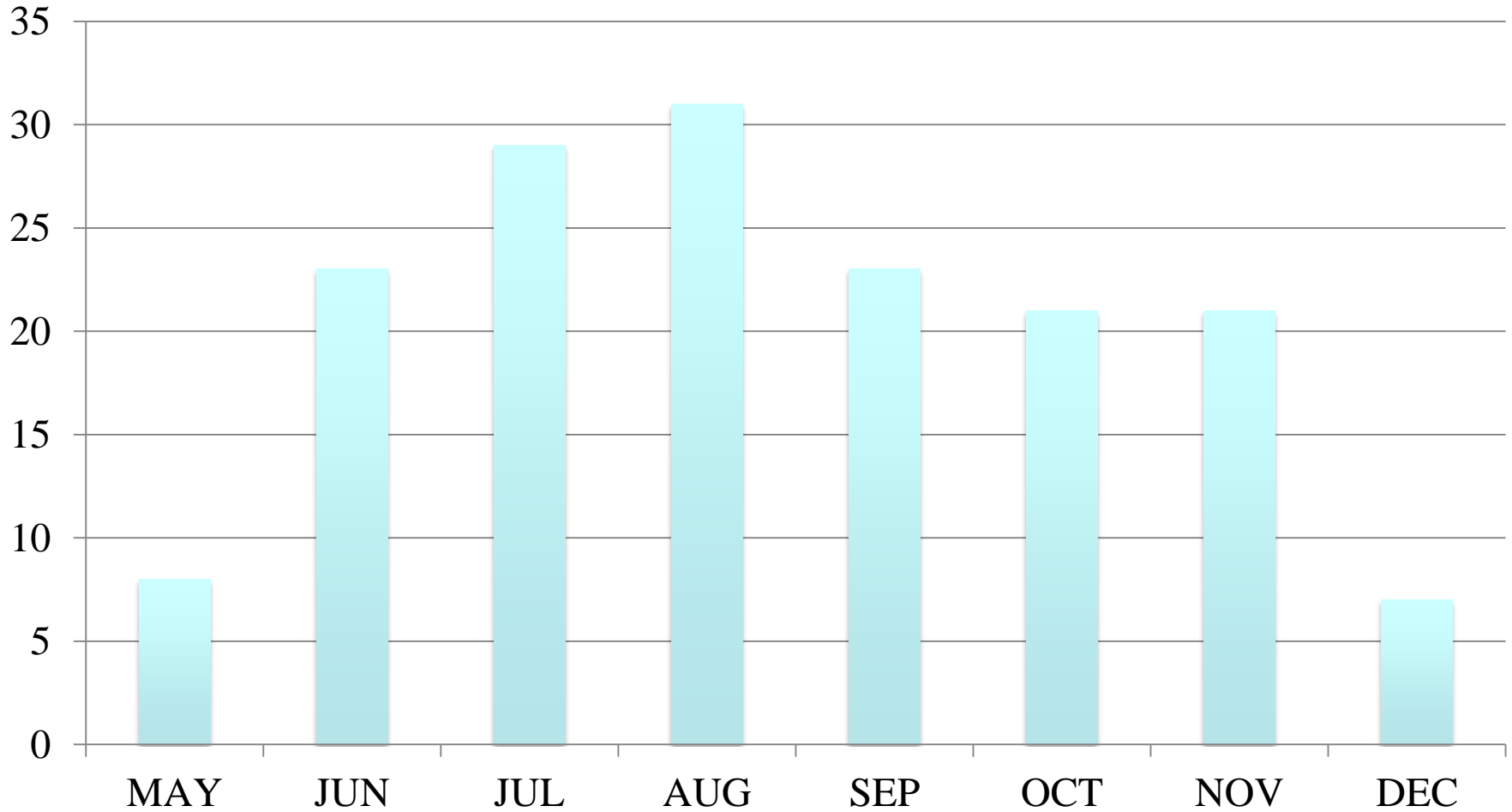


Nights Attempted 2006-2016



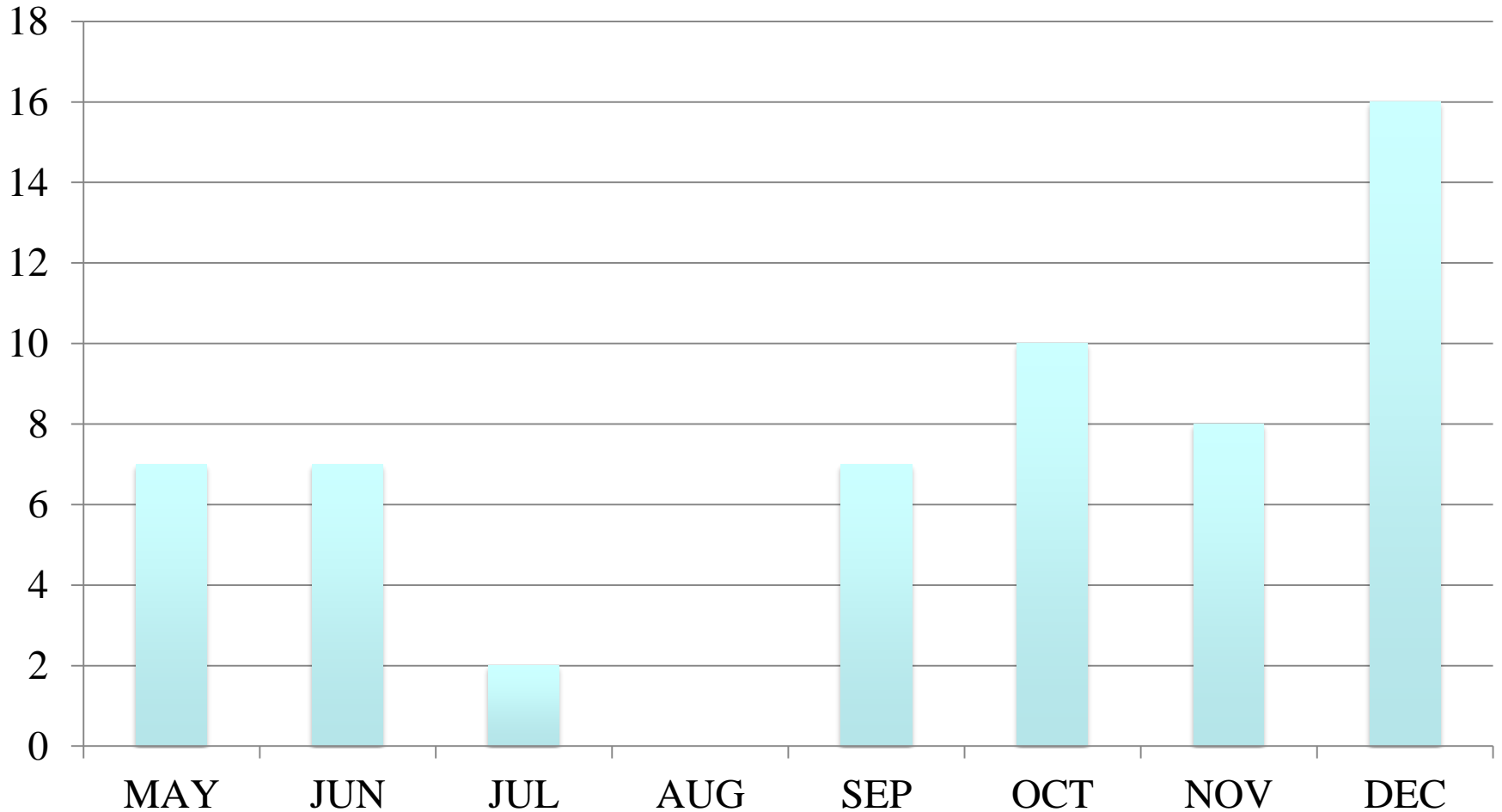


Nights with Data 2016



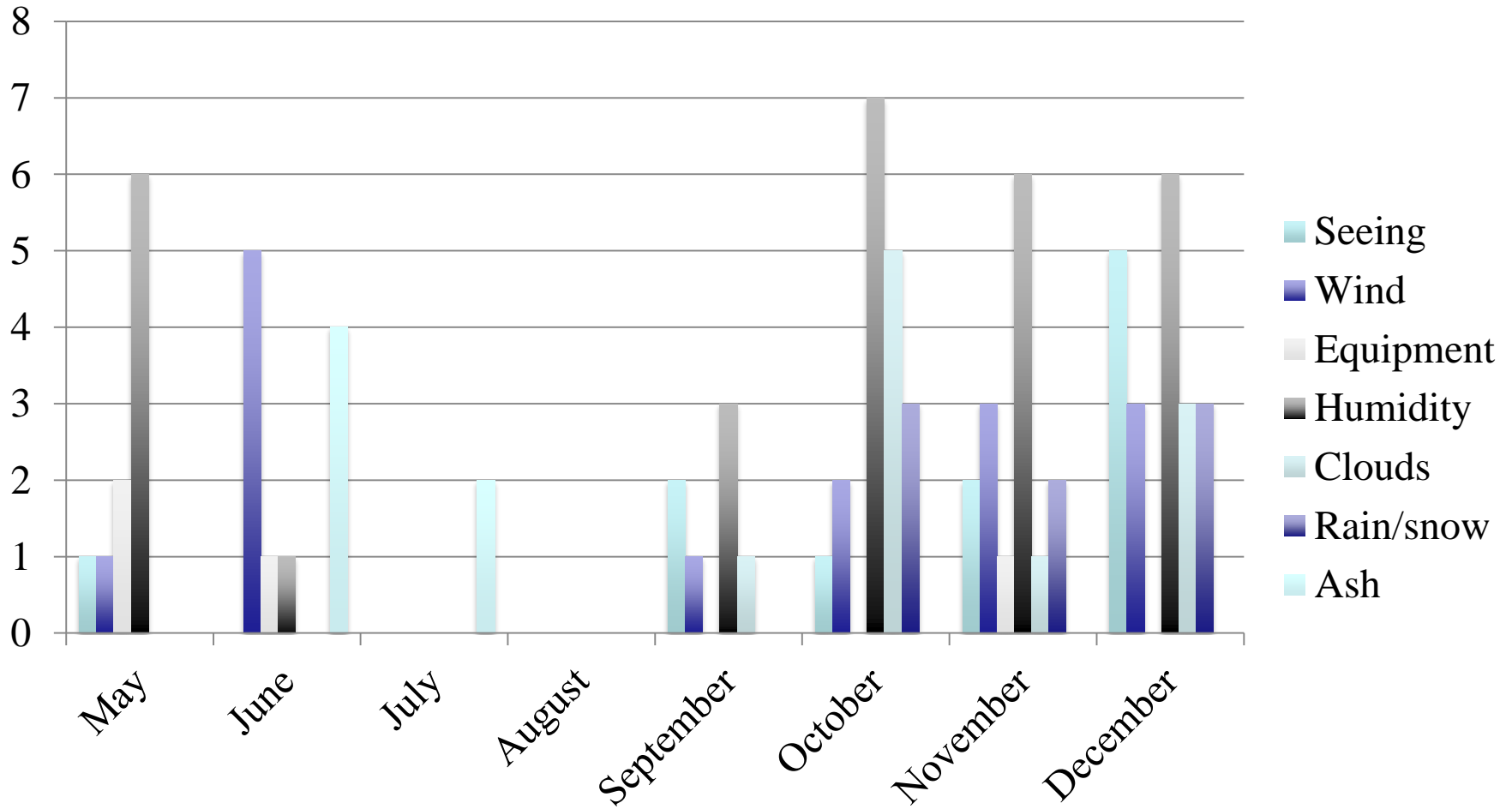


Nights Without Data 2016



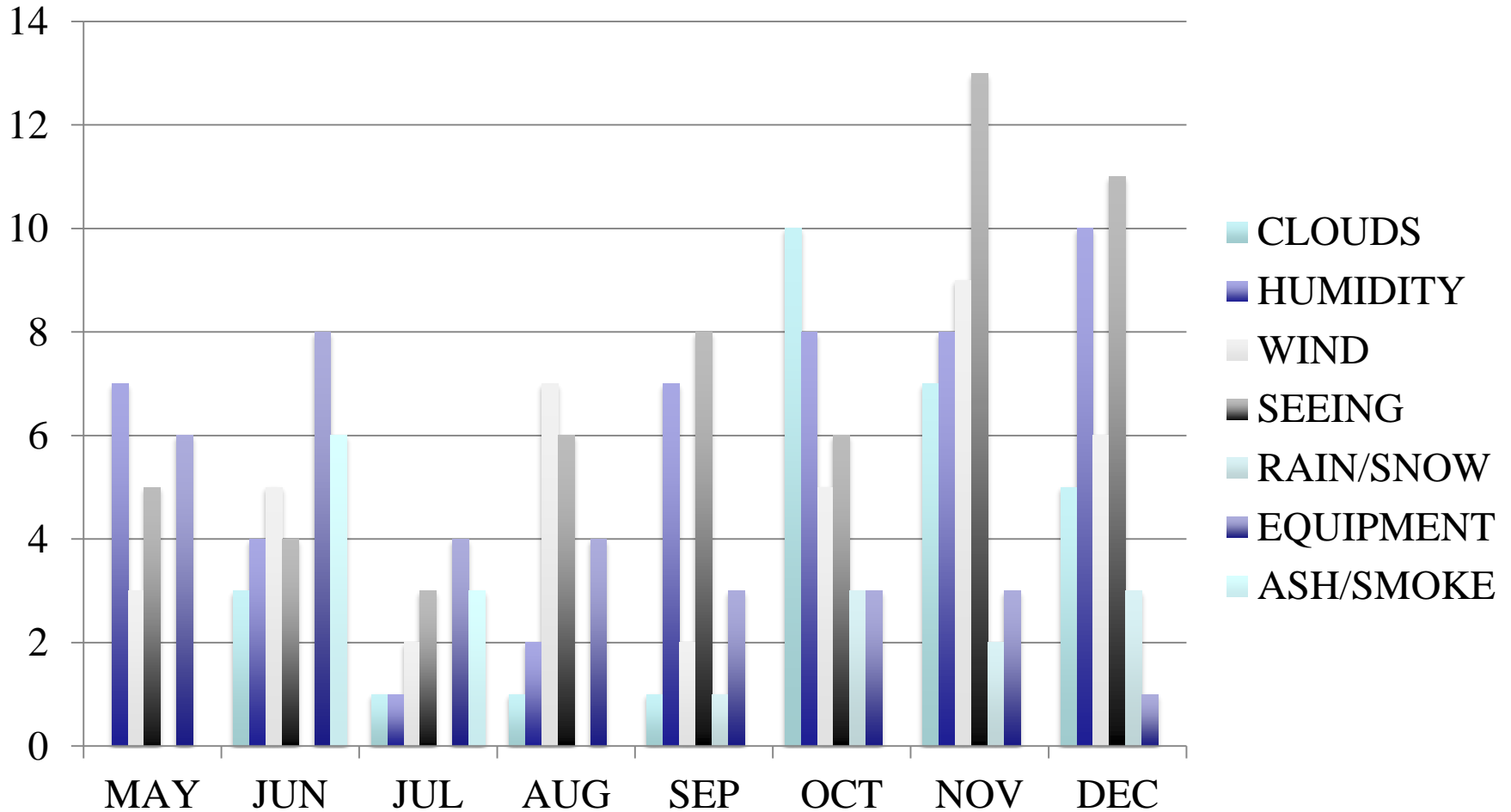


Why We Didn't Get Data





Hindrances to Data Collection





Sand Fire Santa Clarita July 22



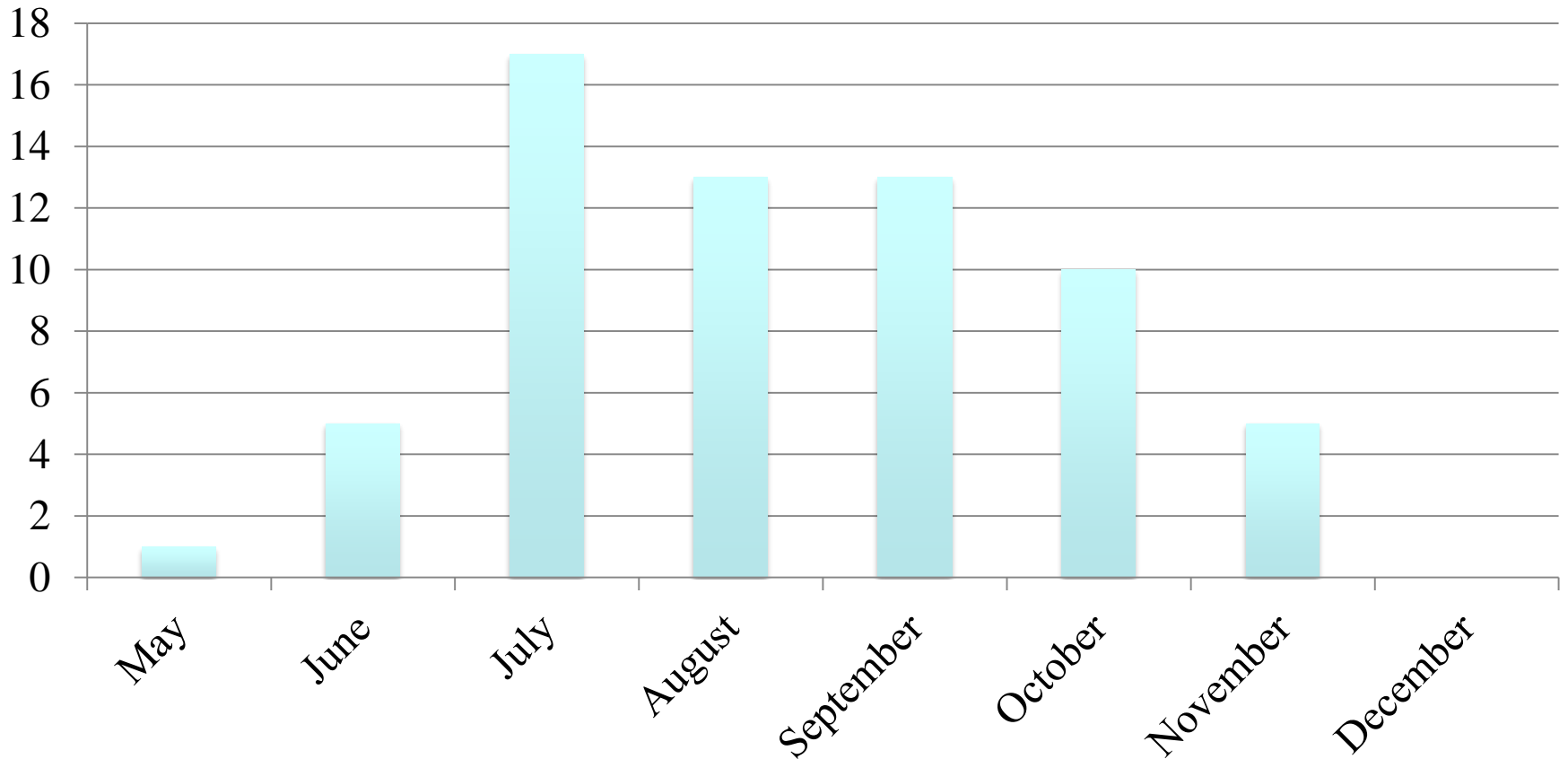






Seeing trends for 2016

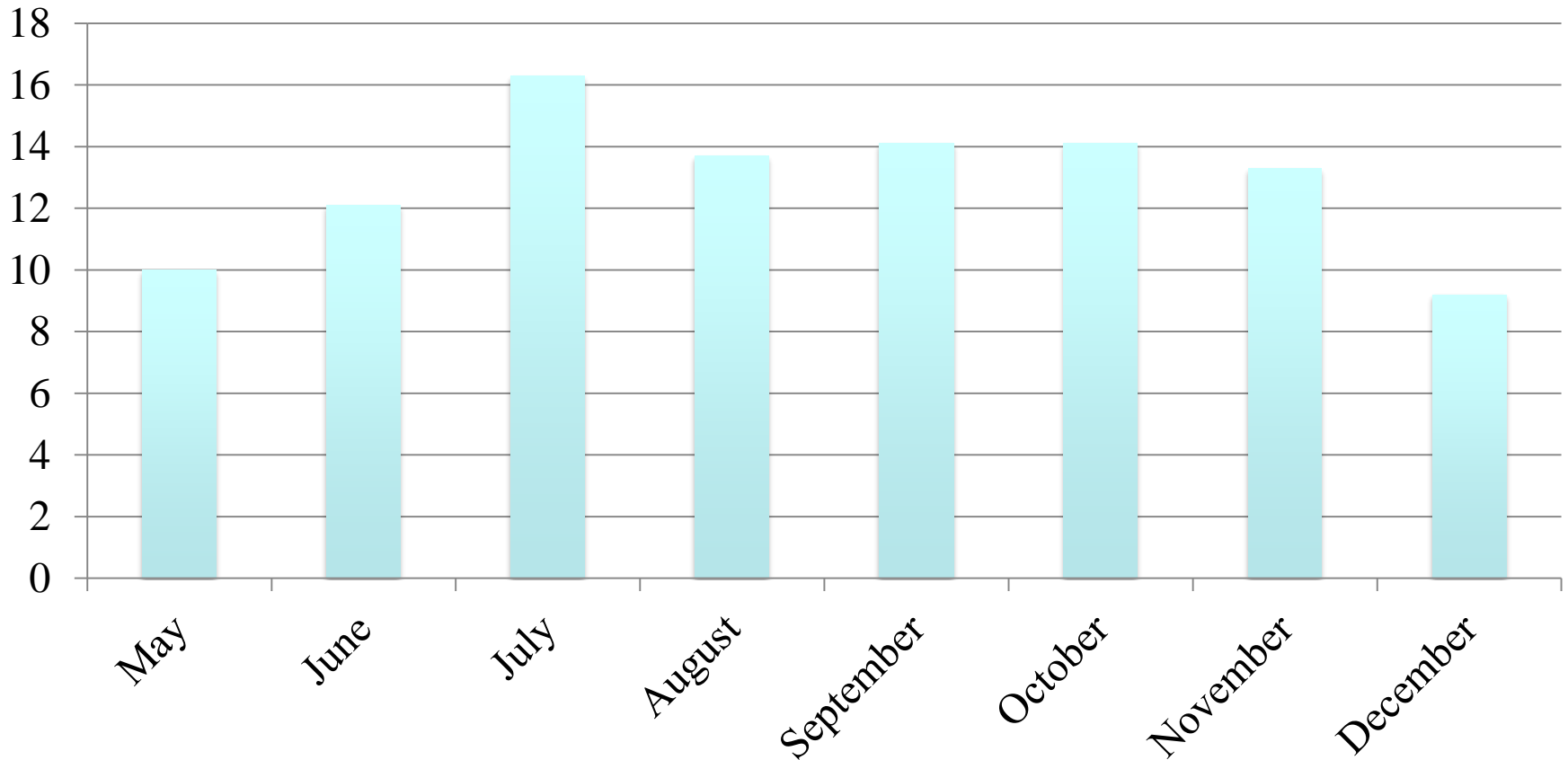
Nights above 10cm Mean Seeing





Seeing trends for 2016

Best Seeing Each Month





Who were the Winners?

- July 15 16.34cm MIRC Gail
- July 25 16.00cm VEGA Nicholas and Fred
- July 10 14.34cm FRIEND Philippe and Marc-Antoine
- October 8 14.13cm MIRC Ryan
- September 8 14.06cm MIRC Ryan
- July 17 13.98cm MIRC Gail and Alexandre
- July 19 13.96cm MIRC Gail and Alexandre
- July 8 13.87cm FRIEND Philippe, Marc-Antoine & Roxanne
- September 7 13.78cm MIRC Ryan
- August 5 13.68cm CLASSIC/PAVO Tabby and Kaspar
- October 21 13.44cm MIRC Narsi and Claire
- November 14 13.31cm MIRC Gail