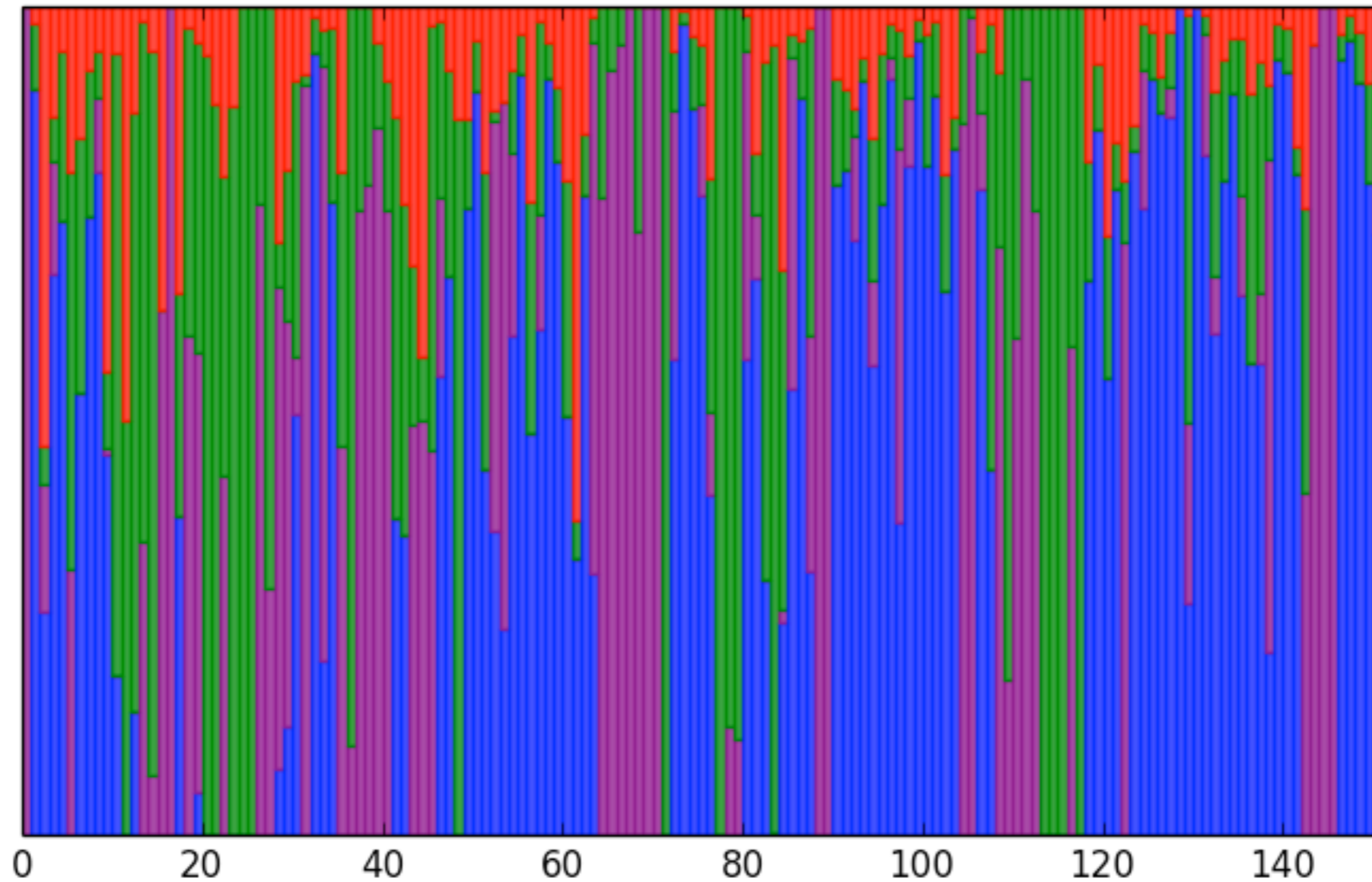


All values based in logged numbers in the database

Reliability still needs to improved but automatic logging of statistics is getting close.

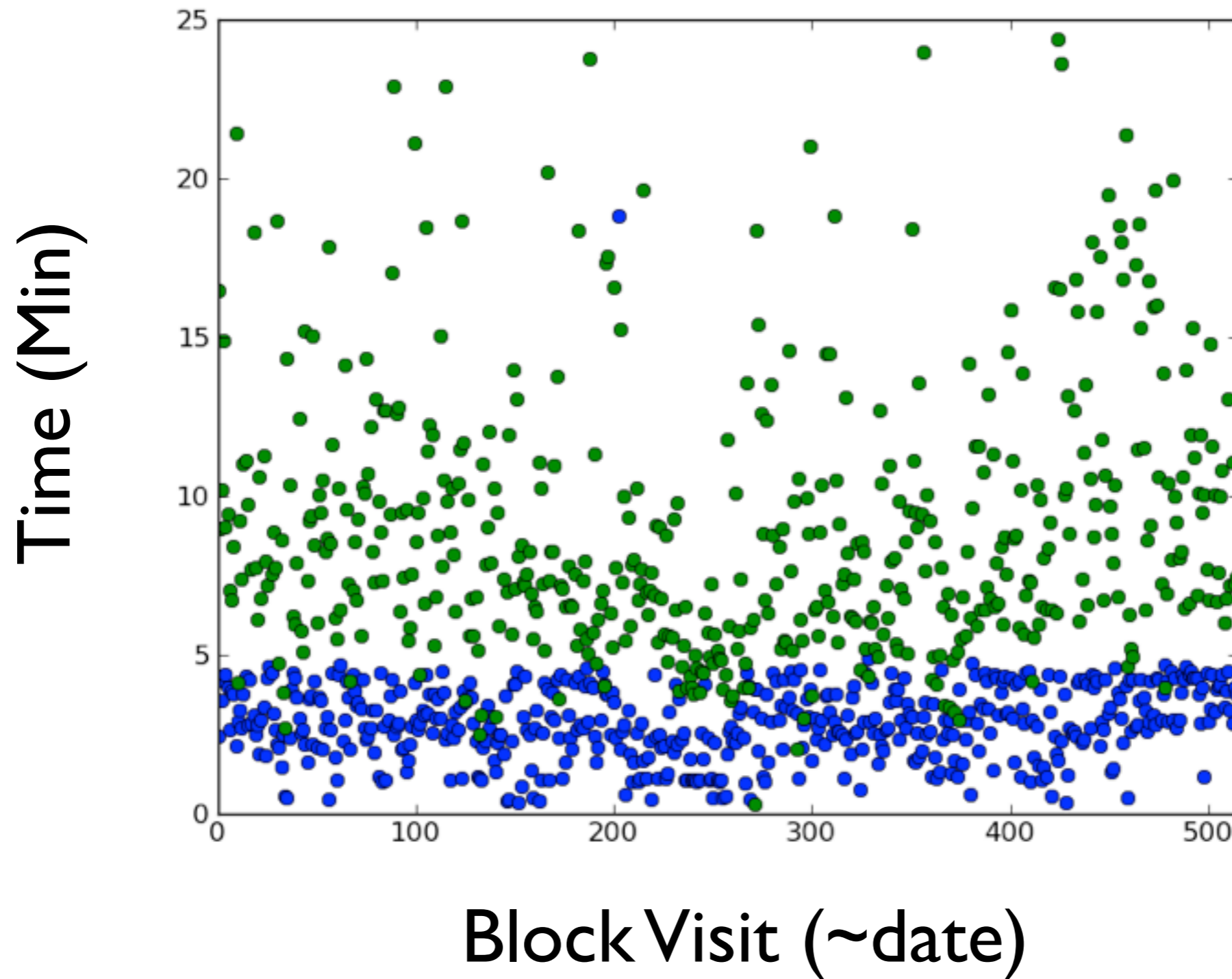
Break Down of Time for a Semester



Median mirror alignment time:
29min



Slew (blue) and RSS Acquisition (green) time



Median Slew: 175s
Median Acq: 473s
Total: 648s

Problems (hrs)

1. TCS SCL mirr tracker pos two failed 21.82
2. TCS SCL Point failed 10.71
3. TCS SCL Calibration Lamp QTH I failed 4.77
4. TCS SCL Payload set controls failed 4.05
5. TCS SCL All Louvers failed 3.82
6. TCS SCL MCP Structure Rotate failed 2.68
7. TCS SCL Calibration Park MB failed 2.29
8. TCS SCL Structure and Dome Mode Maint failed 2.26
9. TCS SCL MCP Tracker X failed 1.85
10. TCS SCL Stop Tracking failed 1.74
11. Comms lost with TCS 1.67
12. TCS SCL Payload Mode Maint failed 1.60
13. TCS SCL Calibration Screen Out failed 1.58
14. TCS SCL MCP Shutter Close failed 1.53
15. TCS SCL MCP On failed 1.37

And a list of 60 more failures

However, this is probably giving a very incomplete picture of the system. There really needs a manual review of the logs to review the problems.

Metrics of Efficiency

- **Time spent**
 - Time used for (charged) science
 - Time lost to problems
 - Efficiency of blocks
 - Efficiency of schedule
 - Realistic estimates for commissioning, engineering, etc
- **Tracking of Problems**
 - Are they getting fixed?
- **Proposal Completeness**
- **Number (citations/impact) of papers**