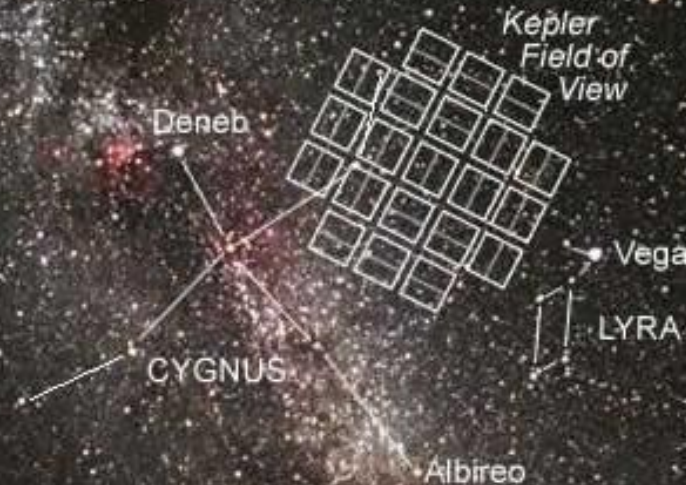


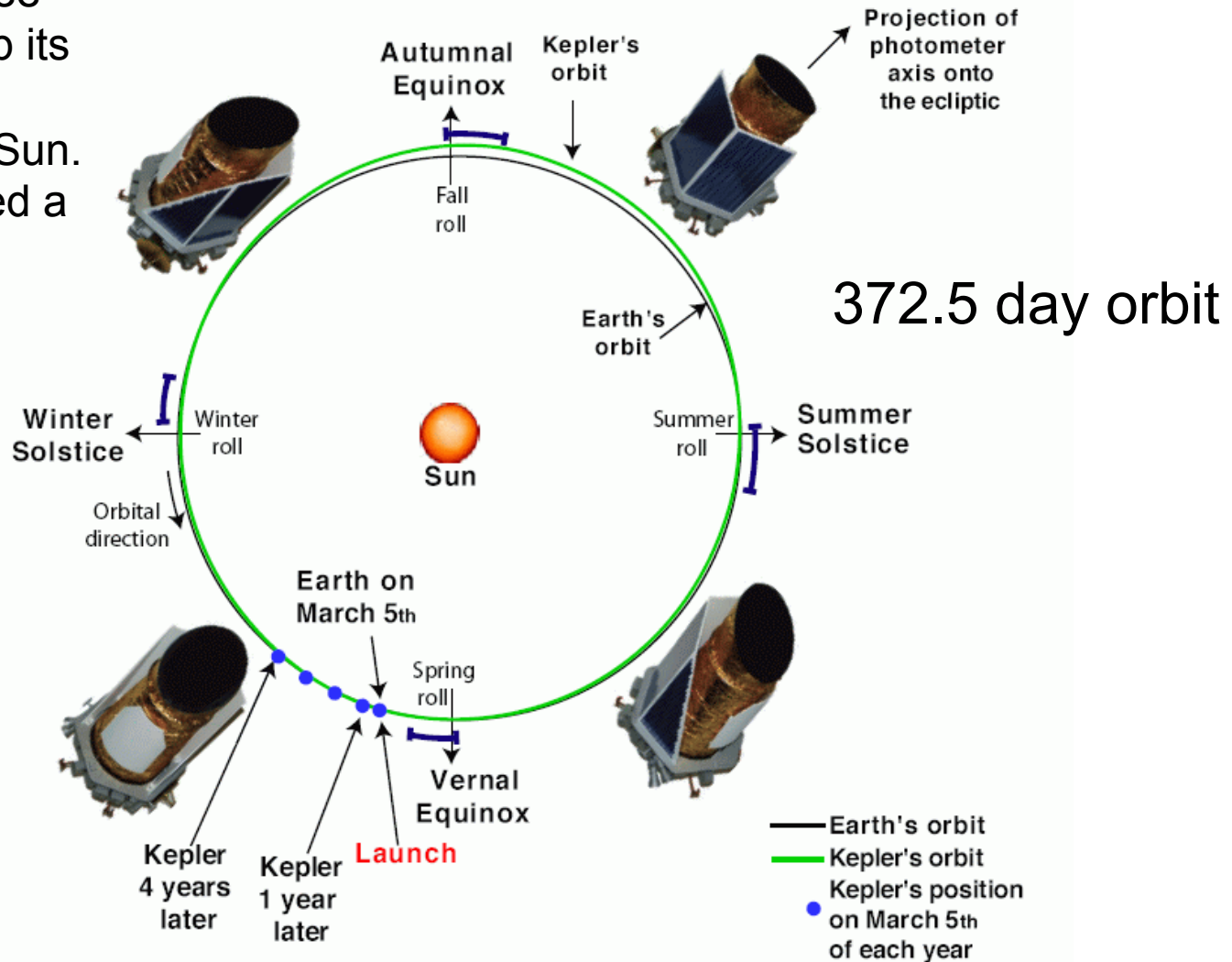
Field of View

Kepler stared continuously at the same part of the sky for four years. The field of view is about 20 times the width of the full moon. It observed about 200,000 stars in total.

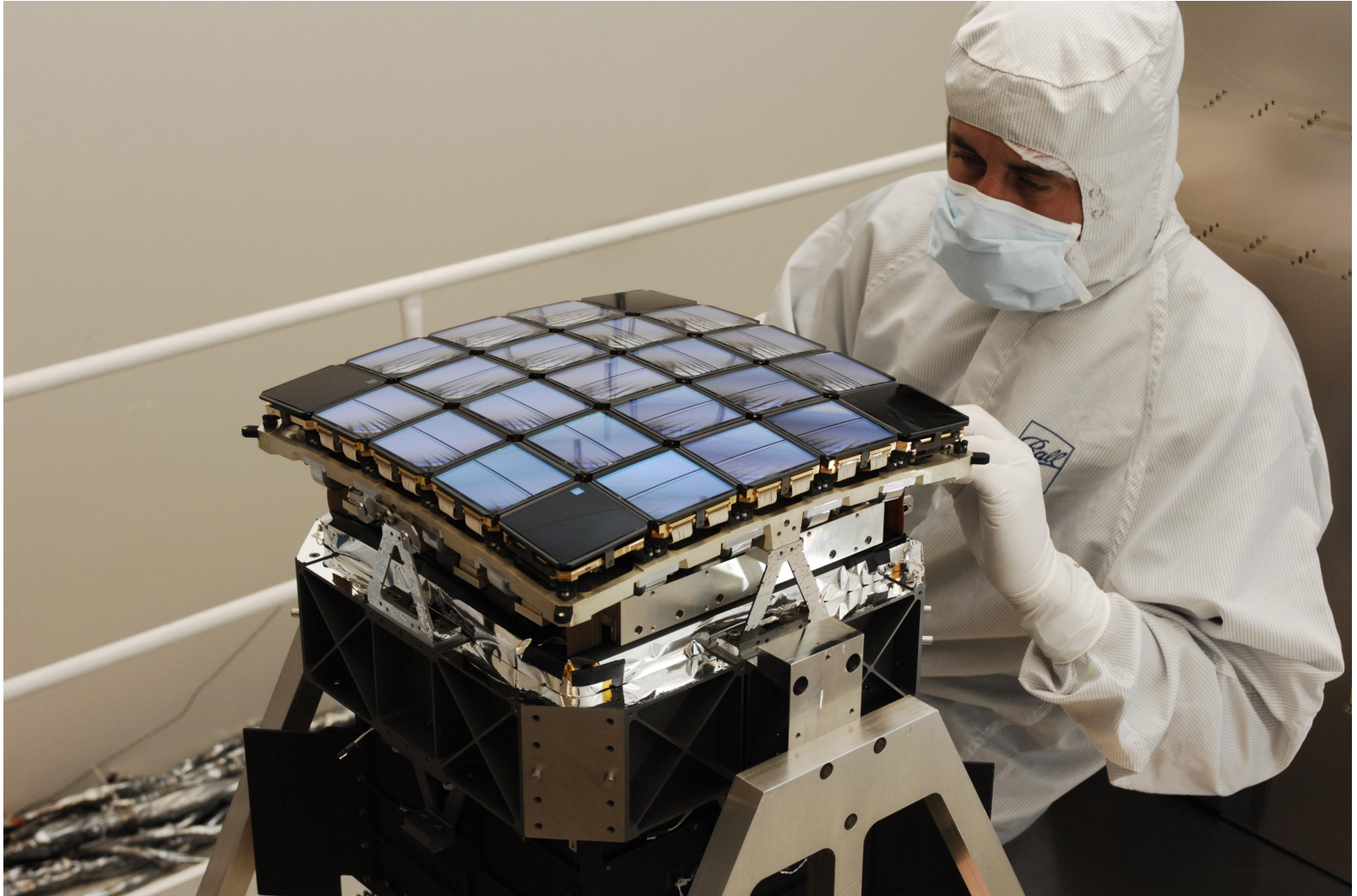


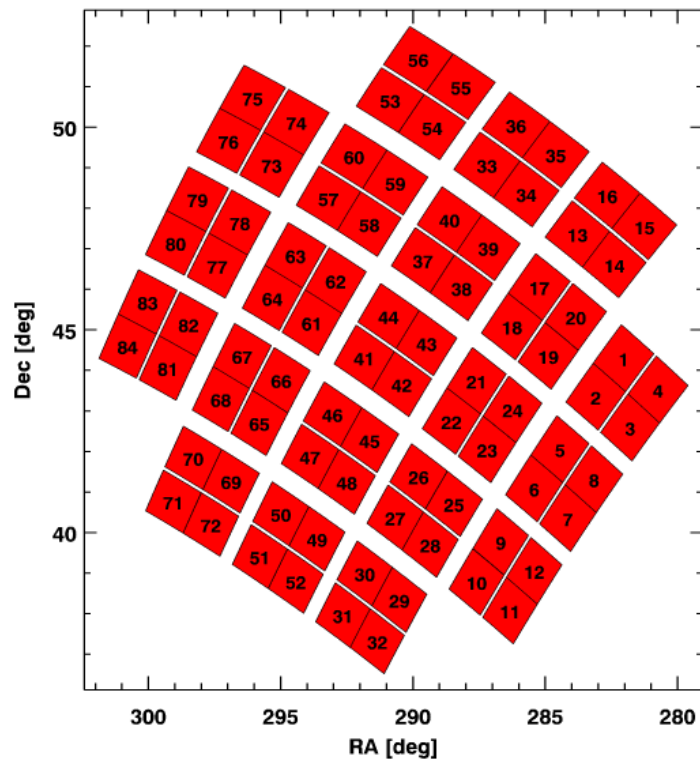
Earth Trailing Orbit

Kepler had to roll once every three months to keep its solar panels pointed at the Sun. Each roll started a new observing quarter.



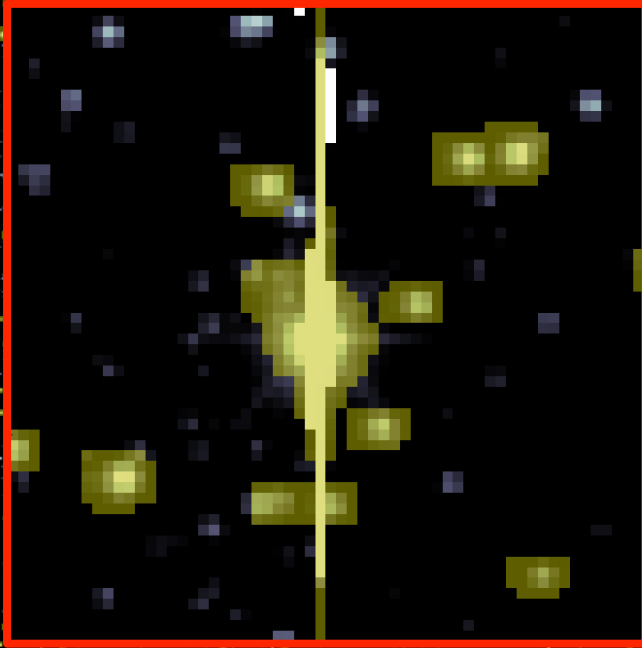
The Detector





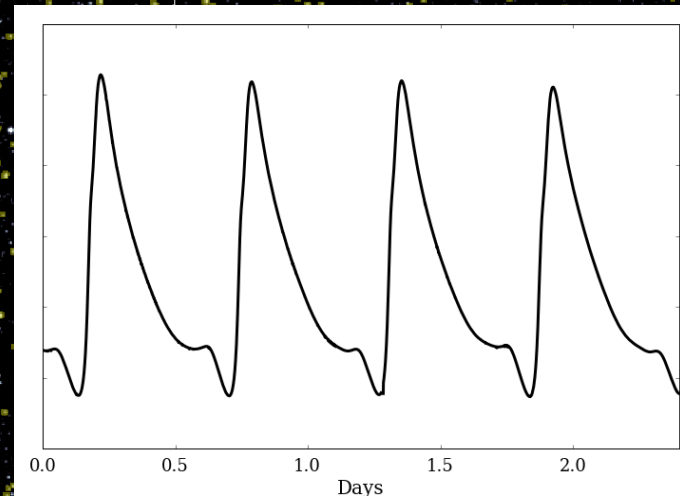
This is a single
“channel” of the
detector, about
twice the width of
the full moon.





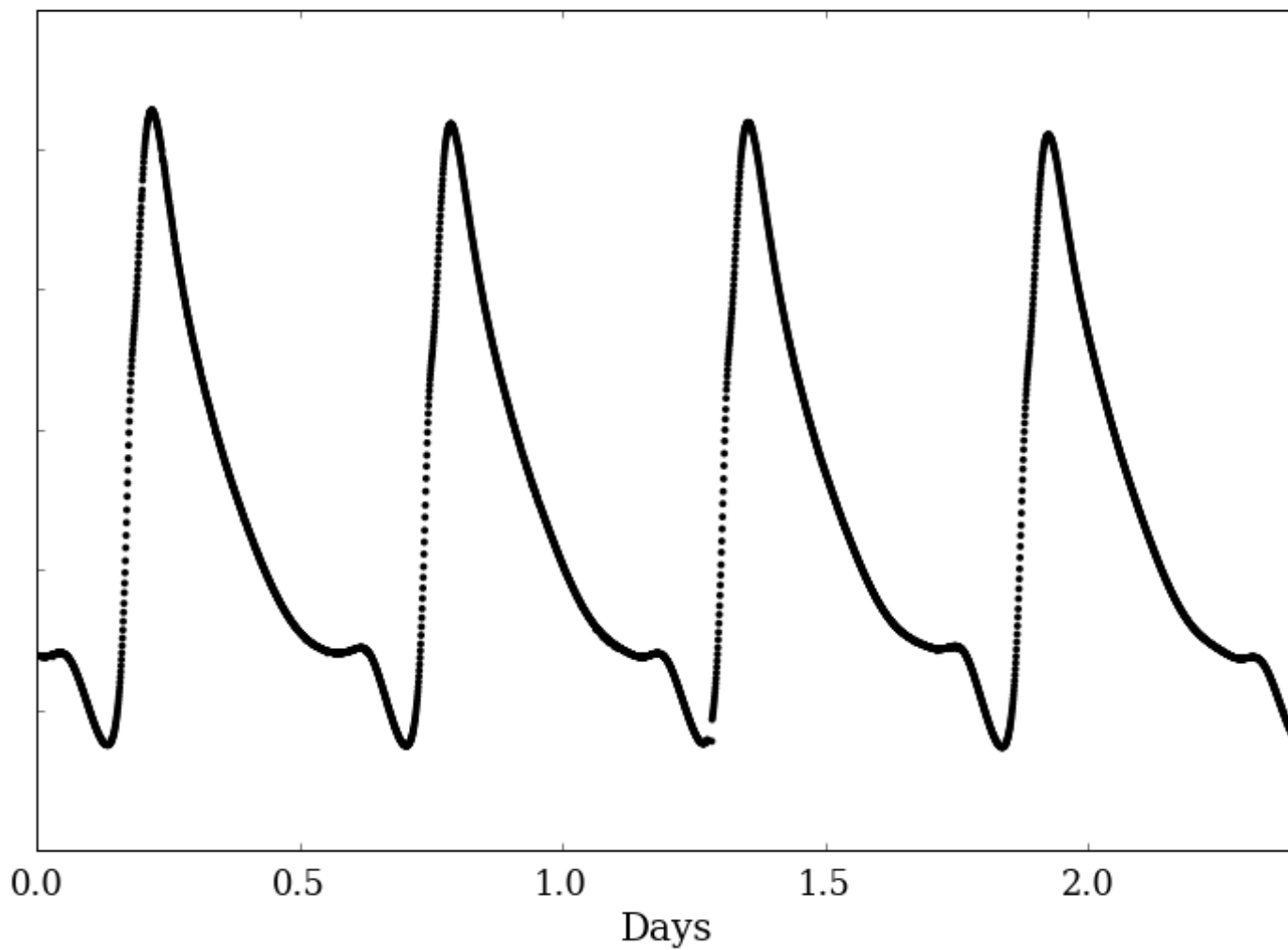
Only data in the
yellow pixels were
saved and sent
back to Earth.

This is the famous
variable star RR
Lyrae.



RR Lyrae

Images every 1 minute a.k.a. short cadence



RR Lyrae

Images every 30 minutes a.k.a. long cadence

