PTF Pipeline

**IPAC**
- Detailed Processing
- Image & Catalog Server

**LBNL / Berkeley**
- Realtime Processing
- Image Subtraction
- Automatic Classifier

**Caltech**
- Follow-Up Marshal

**Palomar**
- P48 Scheduler
- P48 Observatory Control System
- P48 Camera
- Data Quality Monitor
- P60

**Consortium**
- Follow-Up Telescopes

128 MB/90s
50 GB/night
PTF Coverage on 2012-07-16

First half of night
PTF Coverage on 2012-07-16

Second half of night
Delay time (Slew)

Degrees of slew between images →
PTF Coverage on 2012-07-16

**Palomar**
- P48 Scheduler
- P48 Observatory Control System
- P48 Camera
- Data Quality Monitor

**LBNL / Berkeley**
- High Speed Link
- Realtime Processing
- Image Subtraction
- Automatic Classifier

**IPAC**
- Detailed Processing
- Image & Catalog Server

**Caltech**
- Follow-Up Marshal

**Consortium**
- Follow-Up Telescopes
Points to Ponder

• Define the boundaries of the pipeline (who passes what to what).

• Have scientists invested in / working on pipeline.
  - CS folks work 9-5 and are not motivated the same way

• Continually re-write your code when you see the opportunity for improvement/optimization.

• Keep the lines of communication open at all times!