Geolocation Workshop Report

* Geolocation Workshop - Tuesday PM
    - Review of V3.0 ATBD (11 reviewers) (8 responding)
    - Review of effort & schedule
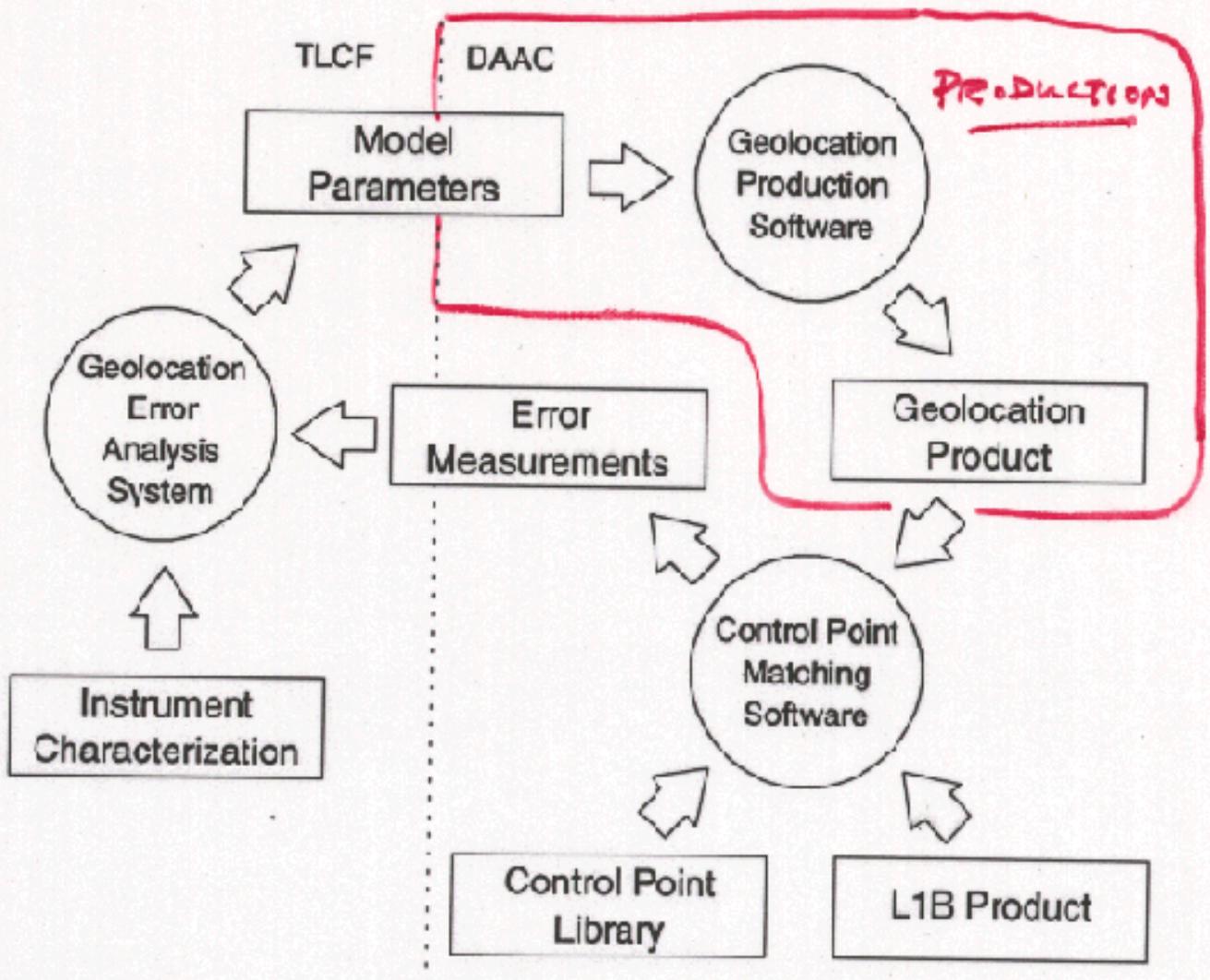
* Geolocation Process - Two Parts
    1) Production - attachment of lat-long to each pixel
    2) Trend & Bias Analysis - off-line
        > Control points
            Islands; Land GCP's

* Good progress

* No show stoppers

* Schedule is tight

Geolocation Overview

Production Code

* On track for V.2 code delivery
    - Software PDR 6/9/97
    - Base algorithm V.2 6/97 - 9/97

Bias & Trend Analysis

* Island GCP's
    - SeaWiFS heritage - 6000 pts
    - Uses World Vector Shoreline (WVS)
    - 250m (red) & 500m (blue)
    - concern for WVS accuracy
    - many points, lower precision

* Land GCP's
    - 300-350 precision-rectified TM
      data chips from EDC
    - US & foreign
    - 3 orbital paths (1 from MISR)
    - normalized cross correlation
      vs. least squares area matching concern
    - Land GCP's database needs to be moved

Overall

- Geolocation is on track, but schedule is tight

- Need to move land GCP chip data
   collection - EDC liaison
      > suggest earlier prototyping

- Need to plan post launch activities/experiments
      > multidate registration characterization
      > thermal control points, chips
         for night side (ASTER?)
      > maneuver recovery
      > GCP monitoring
            - WVS islands accuracy
            - GCP maintenance

SWAMP Issues

- Need more inter-instrument communication
- Post launch working group on geolocation
- Maneuvers/exceptions database
      - platform
      - individual instrument