

# Aerial Services Inc.

2010 NAIP Post-Mortem  
One on One  
December 6, 2010

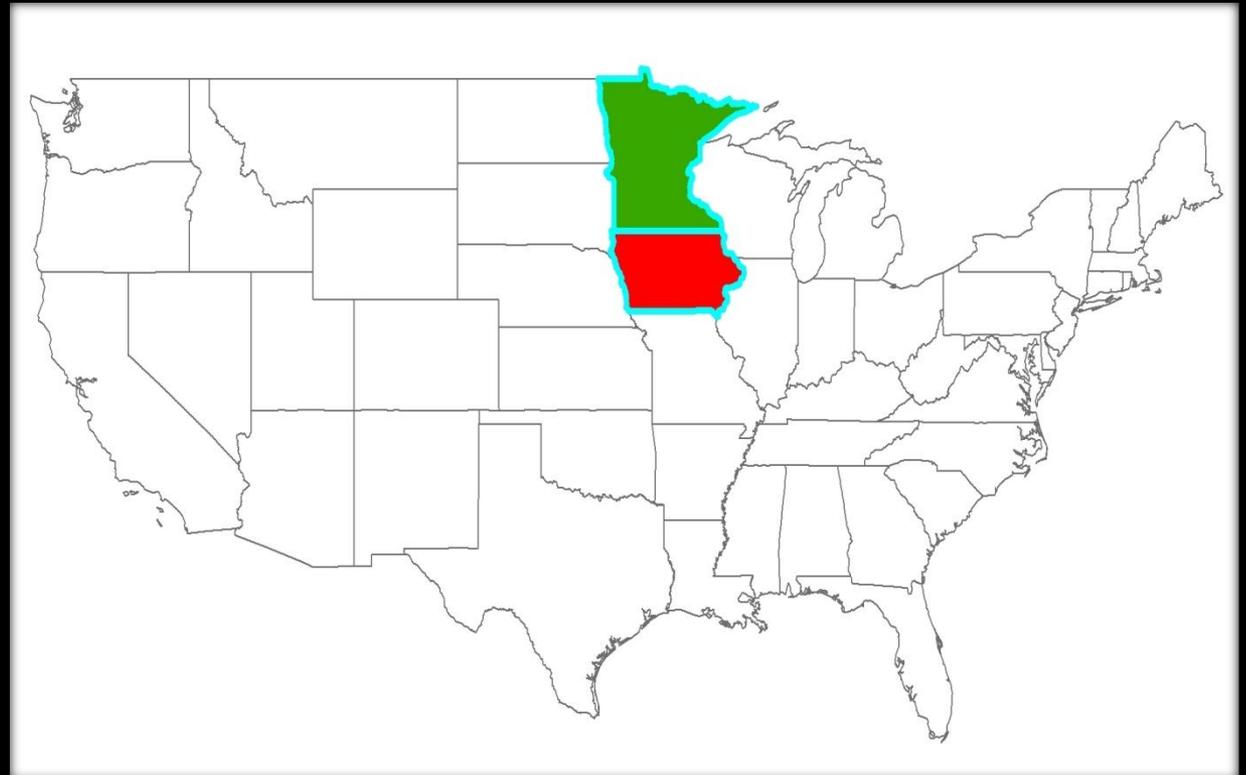
Kirk Fisher, VP  
Chris Berggren, CP, GISP, Project Mgr  
Coral Schneberger, CP, GISP, Production Mgr

# ASI Awarded States

Digital States:

Minnesota

Iowa



# ADS80 Digital Sensor

- Team Resources:
  - Aircraft: 5
  - ADS Series Digital Sensors: 5
- Used 2010 Season
  - Aircraft: 3
  - ADS Series Digital Sensors: 3



60% of Flight Resources Utilized

# IOWA: Acquisition

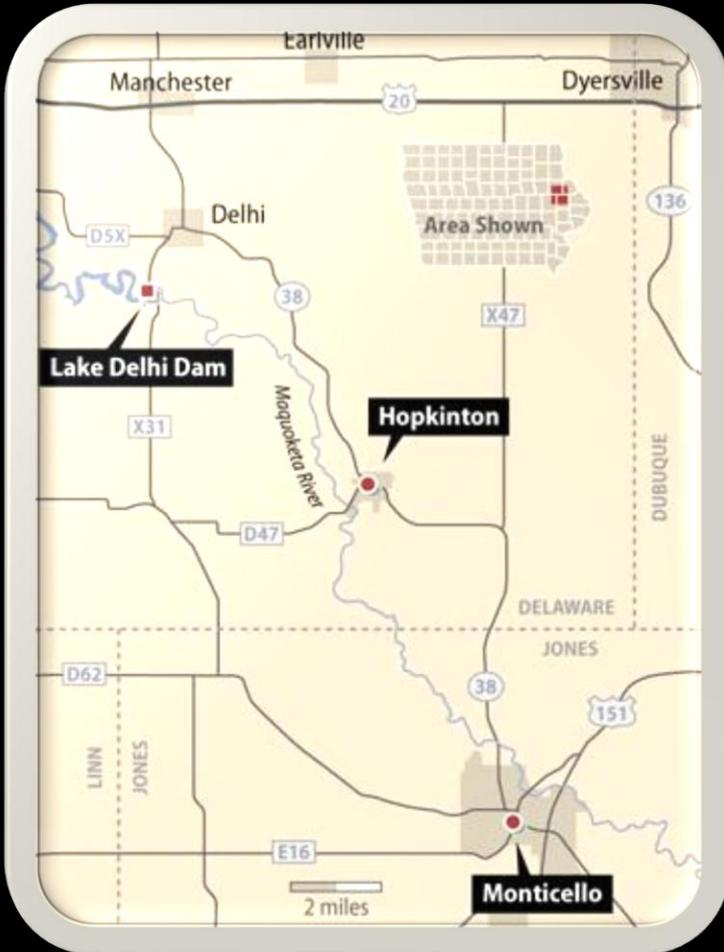
- Digital – 4 band
  - 4239 DOQQ's
  - 99 CCM's
- Official season
  - July 1 – Sept. 15
  - First flight: July 17
  - Last flight: Sept. 20
  - 1 extension thru Sept. 30 (flooding/wet season)
  - 93.56% of DOQQ's captured by end of regular season



Captured during regular flight season  
Captured during flight extension

•ASI Acquisition 85.14% and Sub-Contractors Acquisition 14.86%

# Flooding: Lake Delhi (dam breached)



July 24, 2010



# Flooding: Ames, Iowa

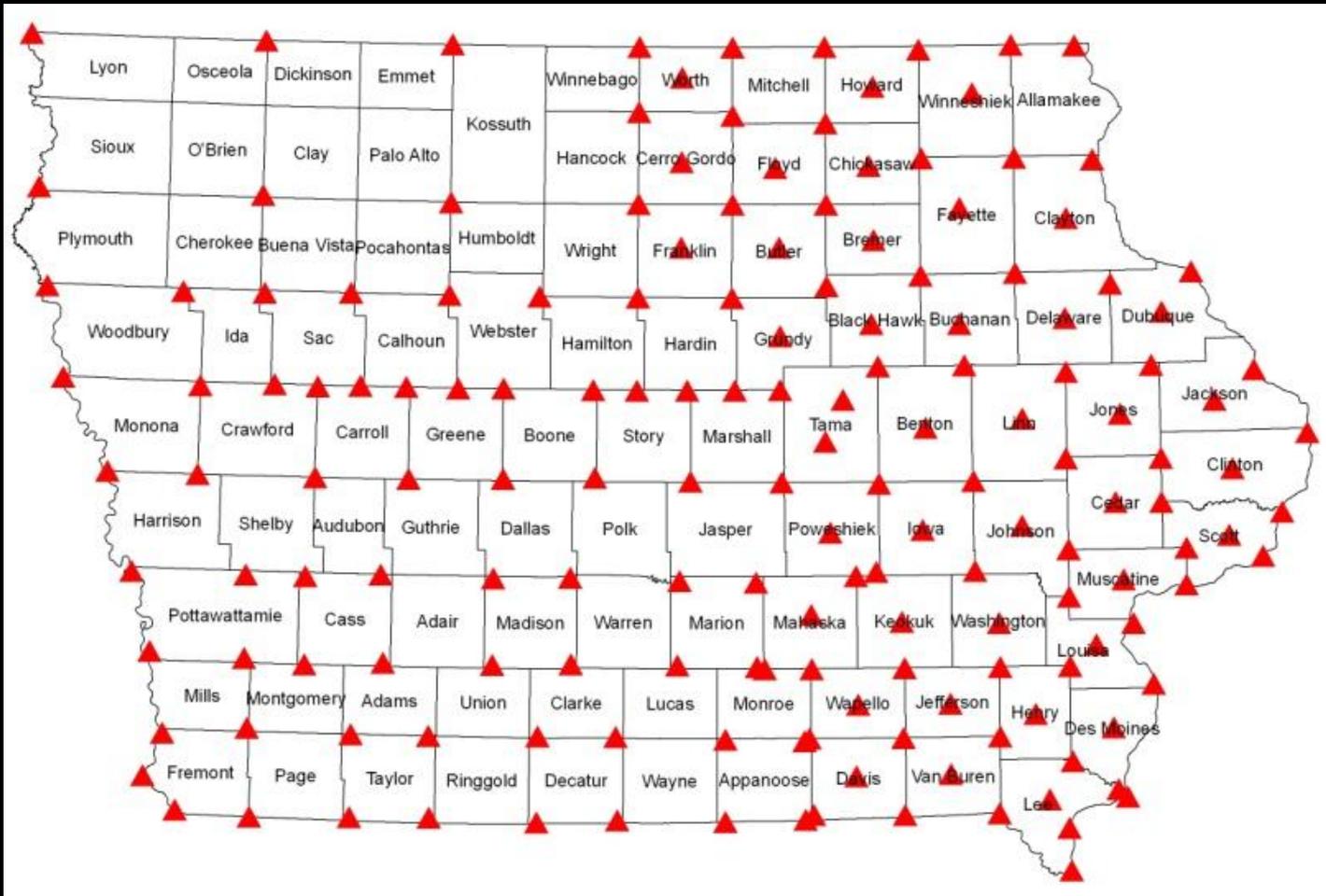


Jack Trice Stadium

August 11, 2010



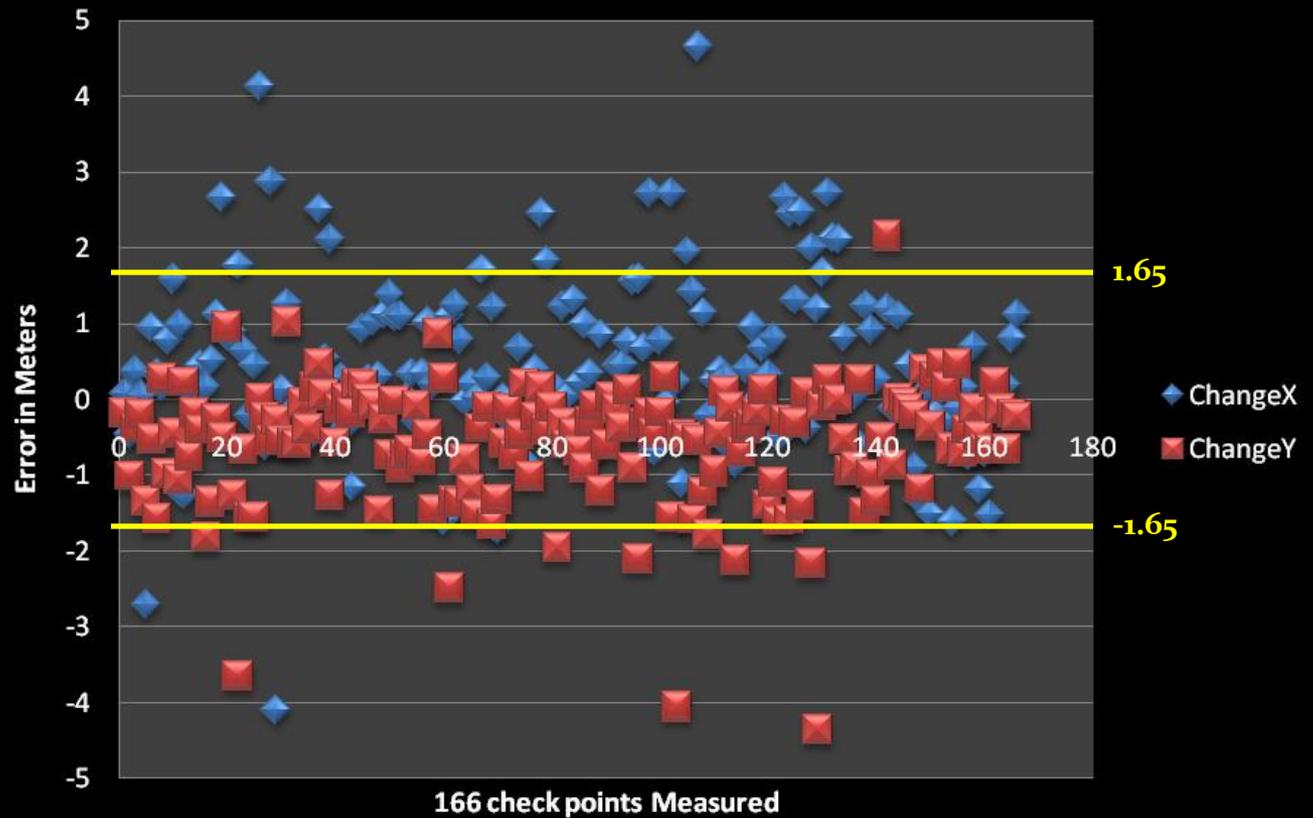
# Iowa Check Points



# Iowa: Accuracy Results

## Check Point Residuals

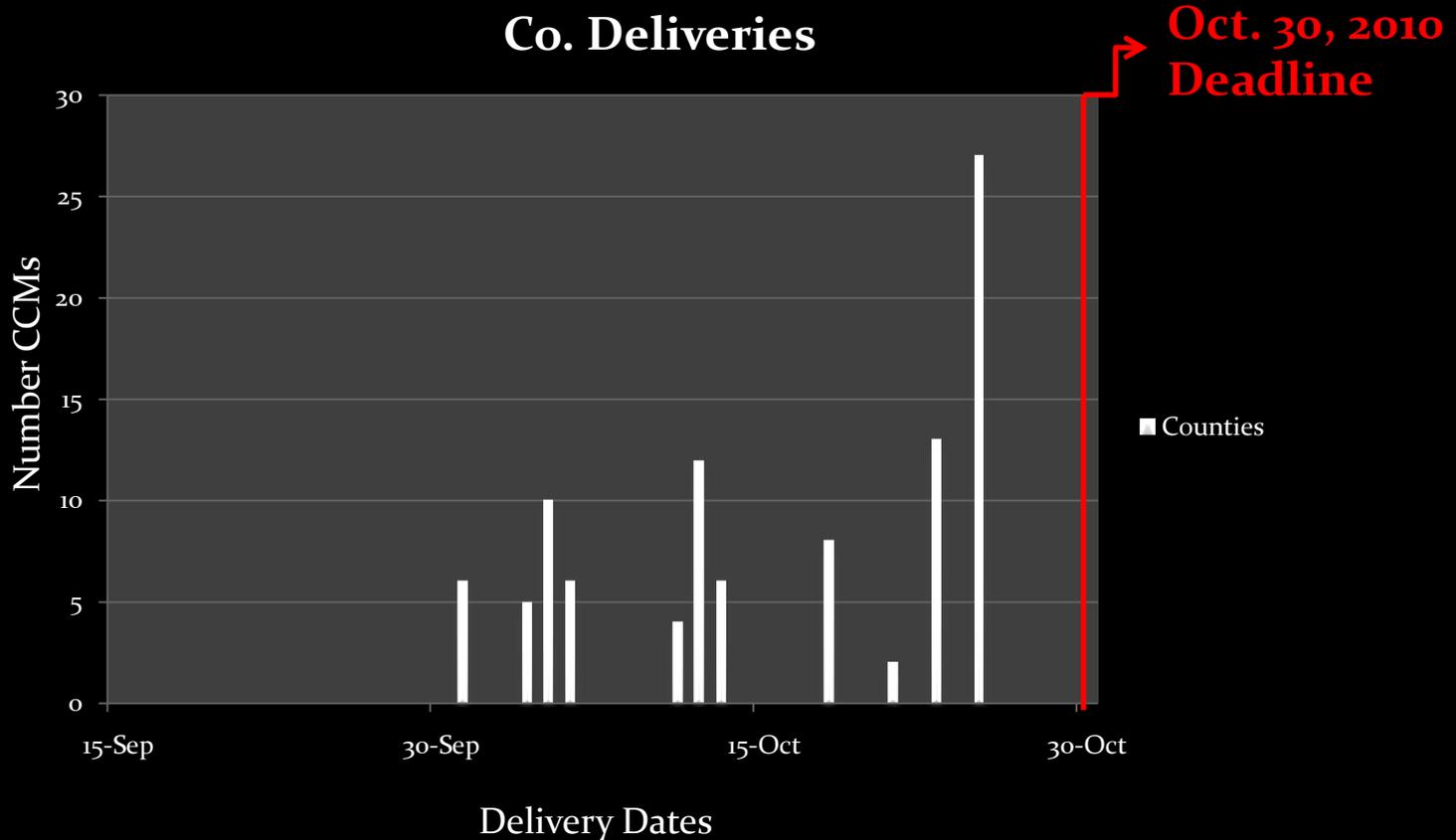
Average: 2.72m  
RMSE\*: 1.65m



\*RMSE = square root of Average

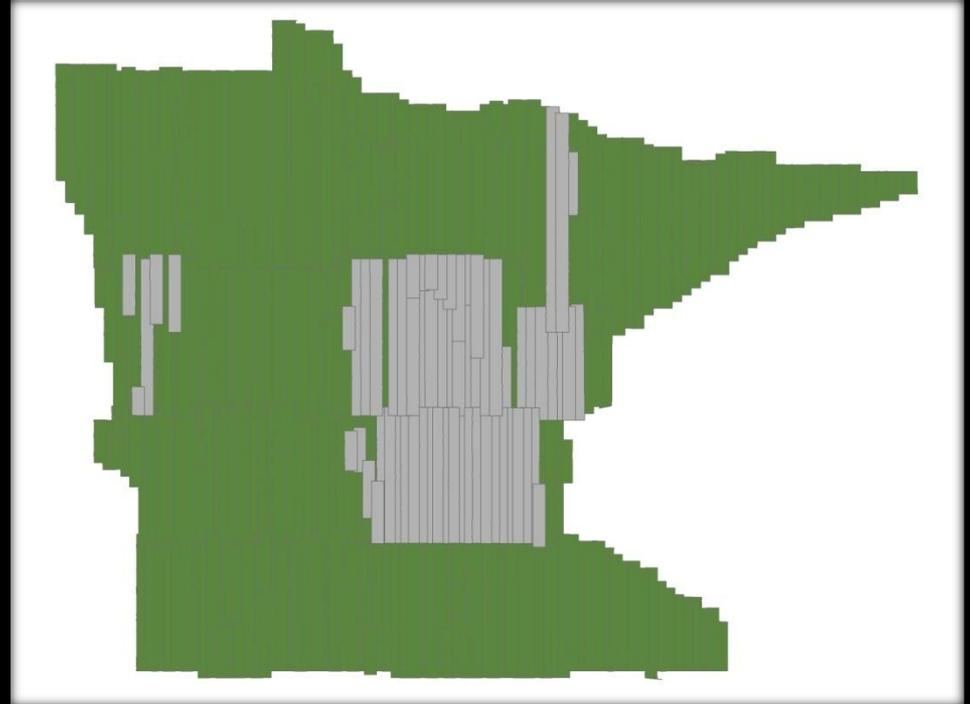
# IOWA: Final Deliveries

100% of contract was completed and delivered ahead of schedule.



# Minnesota: Acquisition

- Digital – 4 band
  - 6791 DOQQs
  - 87 CCMs
- Official season
  - June 1 – Aug. 31
  - Last flight: Sept. 18
  - 2 extensions thru Sept. 30 (wet season)
  - 82.02% of DOQQs captured by end of regular season



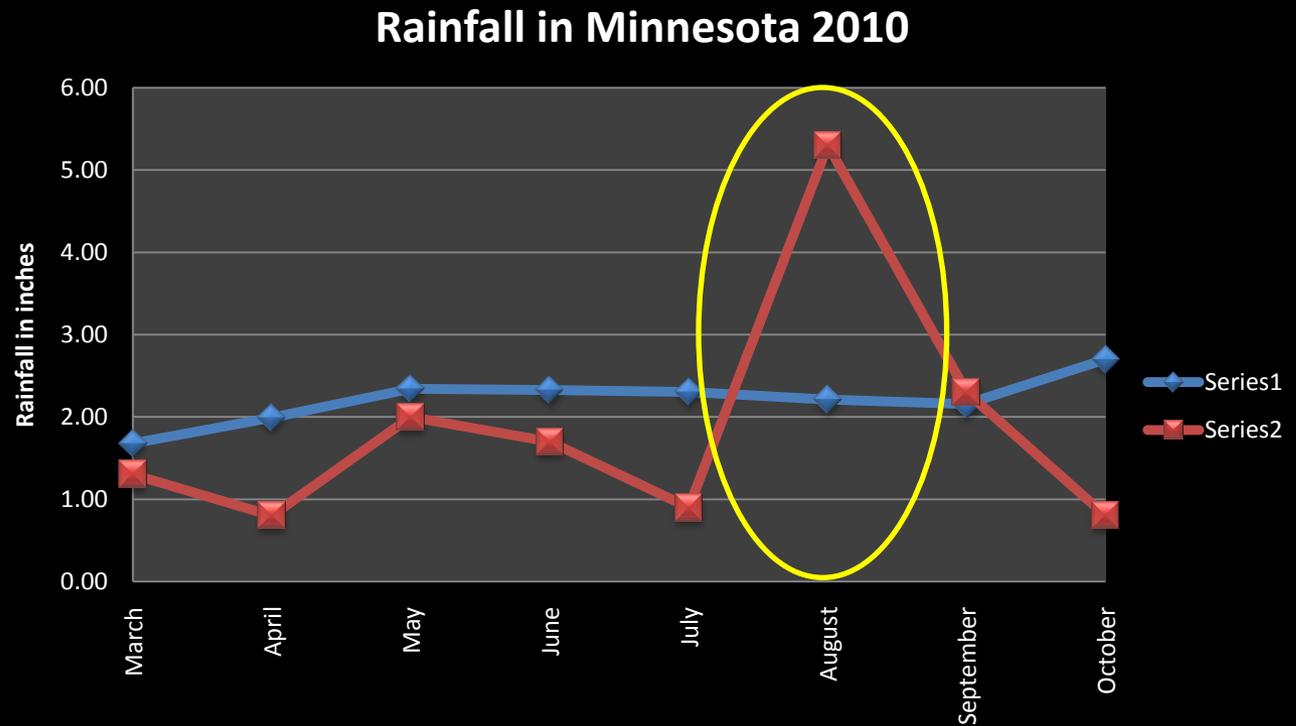
Captured during regular flight season  
Captured during flight extensions

•ASI Acquisition 88.8% and Sub-Contractors Acquisition 11.2%

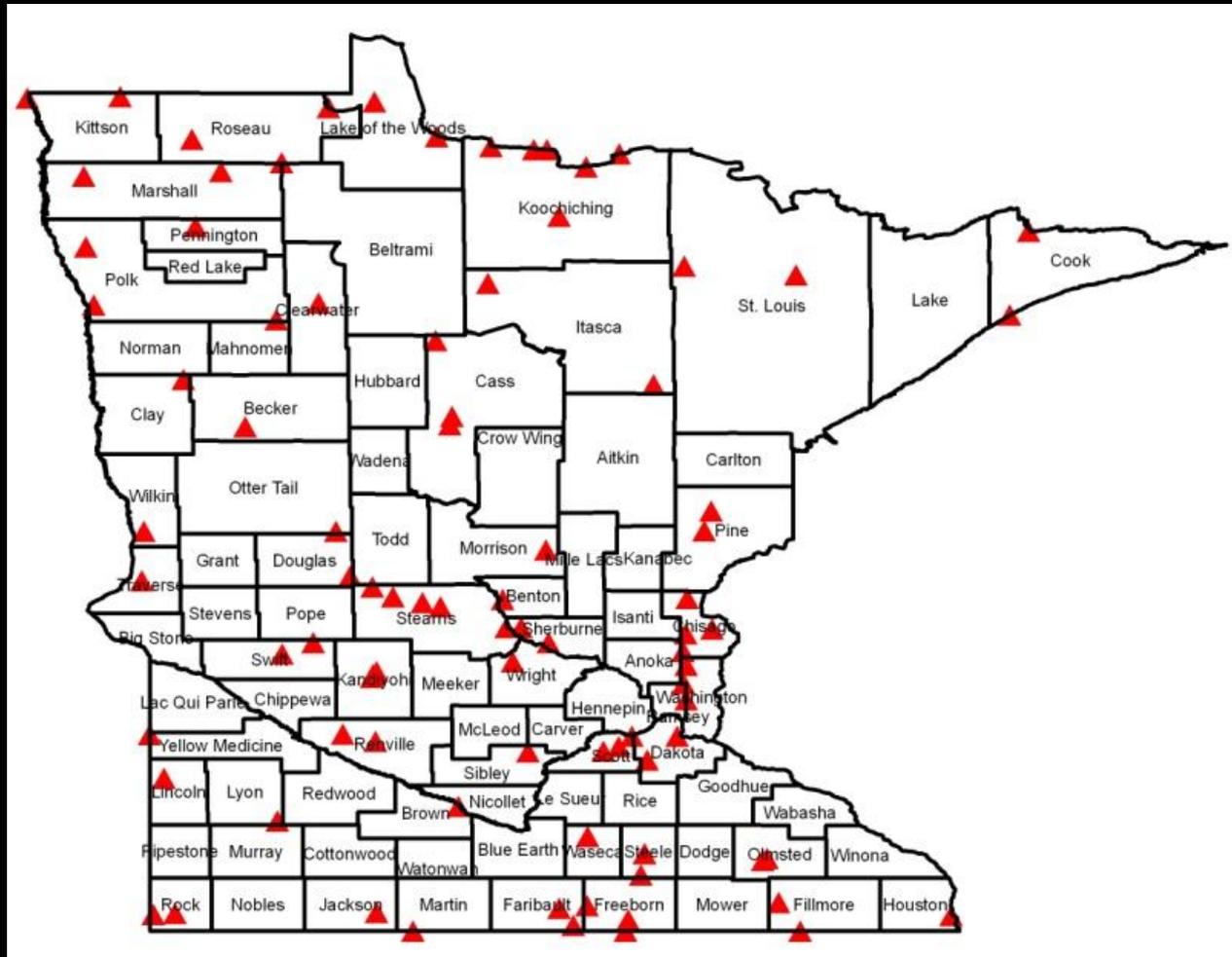
# Minnesota's wet season

Above average rainfall during August.

This unusually wet season caused delays in acquisition.



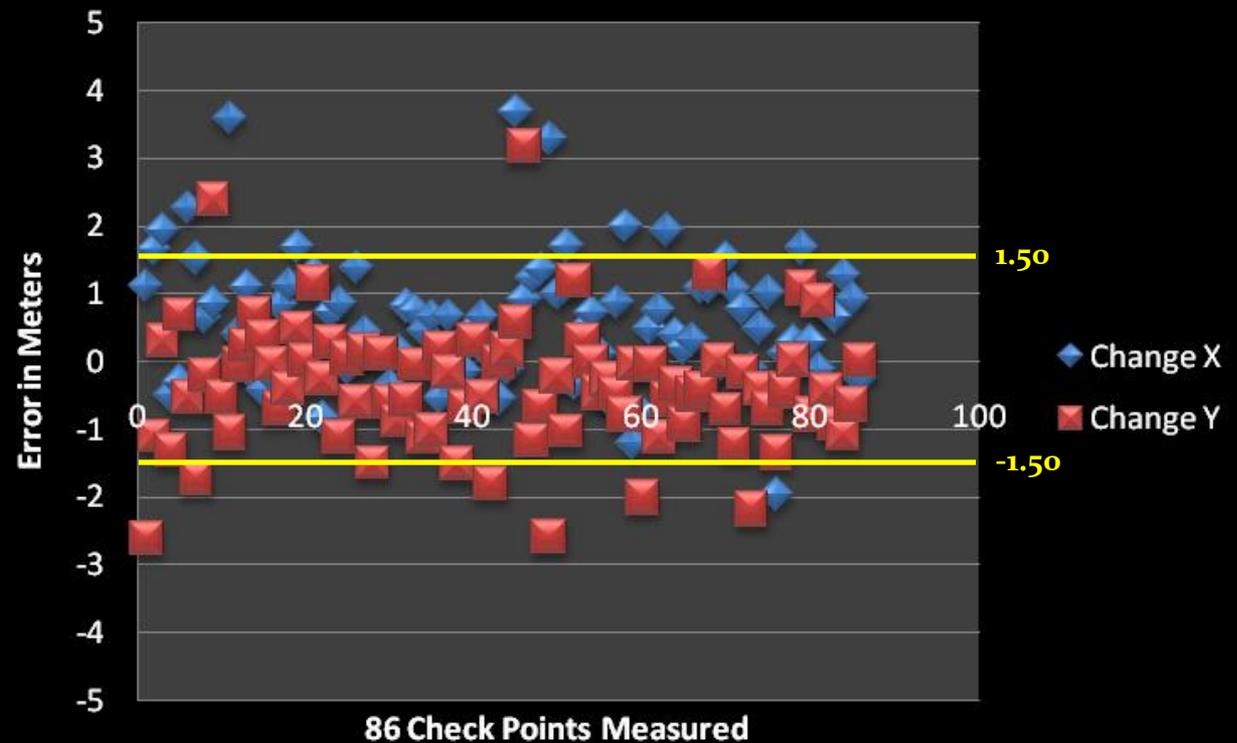
# Minnesota Check Points



# Minnesota: Accuracy Results

## Check Point Residuals

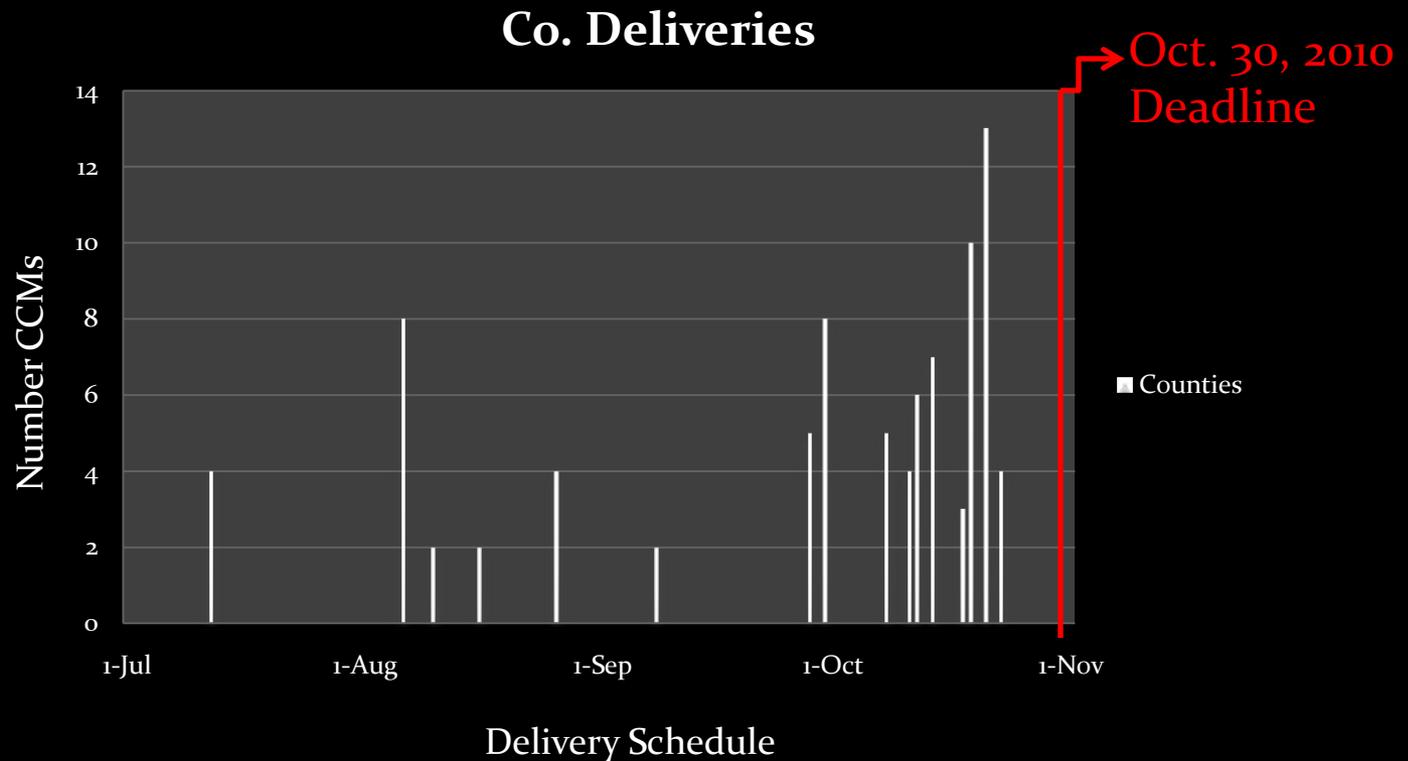
Average: 2.56m  
RMSE\*: 1.50m



\*RMSE = square root of Average

# Minnesota: Final Deliveries

100% of contract was completed and delivered ahead of schedule.



# Lessons Learned

- Flooding/wet season in Iowa and Minnesota caused delays.
- Updating of Digital Database caused some initial issues, but they were easily corrected early on.
- All production work was completed in house, improving QA/QC and deliveries. Capacity to handle additional states.
- MOA in Arrowhead, MN

# ASI Has A New Home



6315 Chancellor Drive