



US-CS1 Heartland Farms
Operating from July 1, 2018

Real-time data arriving in
Desai lab servers every hour

Engineering work by
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US-CS2 Tri-County School Forest
Operating from October 12, 2018

Potato ET over a growing season

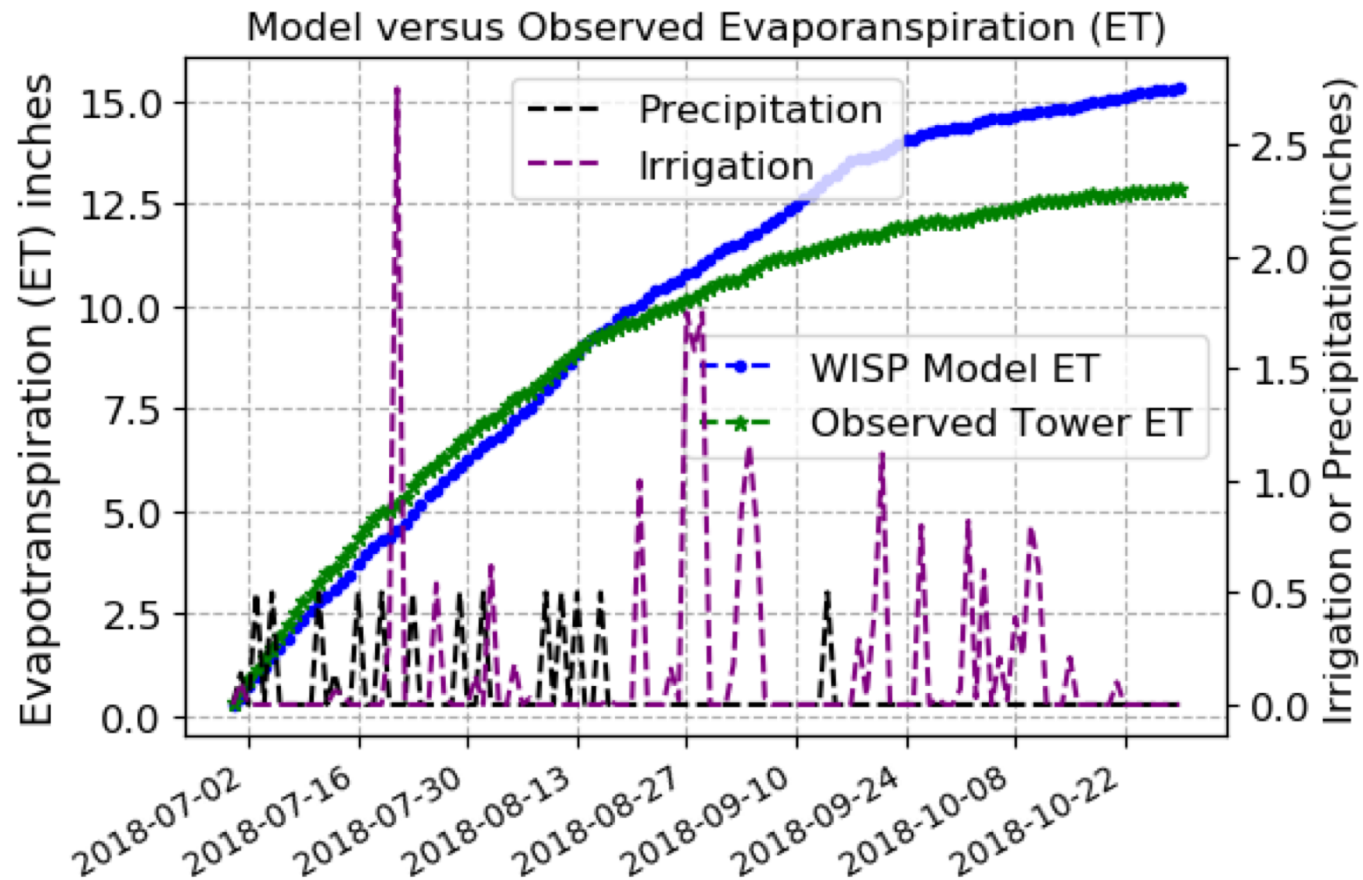


Figure 1: Comparison of Model versus Observed ET

Comparing Potato and Pine

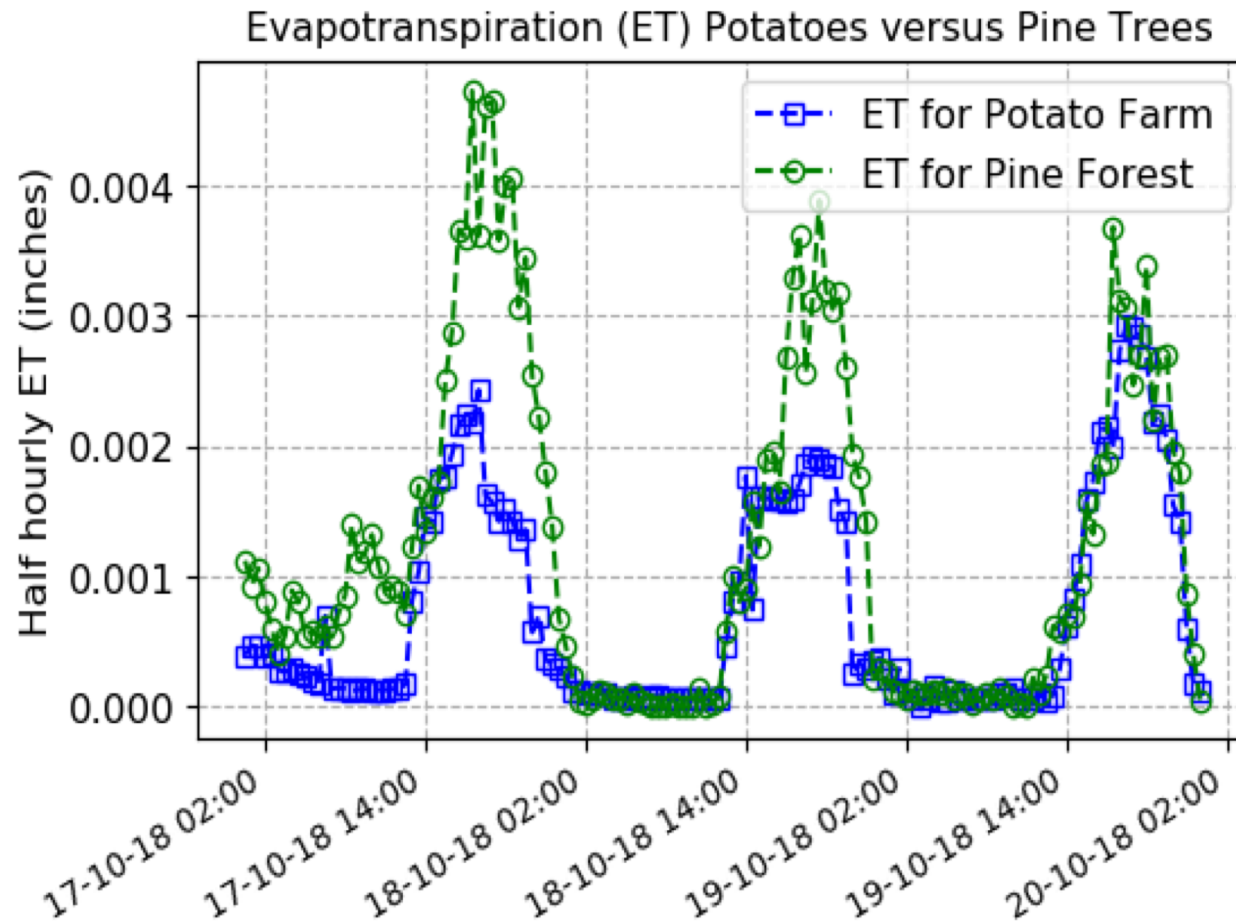


Figure 2: Water loss for Potatoes versus Pine (Bottom numbers are Day, Month, Year, Hour). Pine (Dtrees)

Next steps

- Continued operation of both sites to compare full year cycle
 - Funding for maintenance will run low by next summer due to unanticipated expenses with pine tower
 - Challenges in solar power for pine plantation
- Submission of data to Ameriflux repository, QA/QC
- Decide whether to keep Heartland site at same location or move to another potato field
- Article in Badger CommonTater December issue submitted
- Presentation at WPVGA Grower's Conference in winter 2019
- Publication and thesis work by PhD student Ammara Talib on comparing sites and models
- Thanks: Ankur Desai, <http://flux.aos.wisc.edu> 608-218-4208 @profdesai