

Hydro-Optimization Team Meeting Corps March 11, 2007 9:30 am to 3:00 pm

Conference phone bridge: 503-230-5566 passcode 0485#

BPA Room 199B

CO-CHAIRS: Temporary (Corps); Tom Murphy (BPA)

Agenda

9:30

Introductions, review agenda, adopt minutes from 12/6/07

- 1. HOT PM / Co-Chair Interim Roles (vice Vanderborg)
- 2. NWW 3D cam operational survey Follow-Up (Ramirez):
 - a. LGO: programming fixes by GMT, review operation since fix
 - b. McN: OH xducer mounting mod
 - c. IH: status as of 5 Feb, planned review
 - d. Hard cam replacement schedule
 - e. Planned follow-on surveys FY08
 - f. Overall 3D Cam Schedule FY08 (Berglin)
- 3D Cam Controllers
 - a. Software rewrite for NWW (Sojka)
 - b. Propagation Schedule NWW / NWP (Ramirez)
 - c. Subagreement Development
- Type 1 Optimization (Sojka):
 - a. GBO Status
 - b. W-K Flushing System Status
 - c. Blade Angle Measurement JD U16 Status
- 5. Type 2 Optimization (Ramirez):
 - a. Status of Programming Fixes
 - b. Status of Flow Table Updates / GMT installation
- 6. Chief Joseph Abs Flow Determination (Earlywine):
 - a. Status of Frame Design
- 7. Absolute Flow Benefits (Sheldon):
 - a. Constrained Case Study Prelim Results
 - b. Status of Francis Unit Study
- 8. Benefit Document (Murphy)

- 9. Draft TI Document
- 10. Hydrovision Paper (Sheldon)

SUBAGREEMENT

· Review of schedule and costs for PPEI

Murphy, PMs

2:30 pm Wrap Up

Review old action items Review new action items from today Confirm next meeting date and agenda

****** NEXT MEETING May 20, 2008 TBD****

Reminder: If you are bringing handouts to the meeting, please bring 20 copies

Future topics:

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Hydro Optimization Team Consensus Decision Levels

- 1. I can say an unqualified "yes" to the proposed decision. I am satisfied that the decision is an expression of the wisdom of the group.
- 2. I find the proposed decision perfectly acceptable.
- 3. I can live with the proposed decision, although I am not especially enthusiastic about it.
- 4. I do not fully agree with the proposed decision and need to register my view about it. However, I do not choose to block the decision. I am willing to trust the wisdom of the group.
- 5. I do not agree with the decision and feel the need to stand in the way of acceptance.
- 6. I feel we have no clear sense of unity in the Team. We need to do more work before consensus can be reached.

FCRPS Website https://fcrps.usace.army.mil user id: web-fcrps password: bpacoe2000

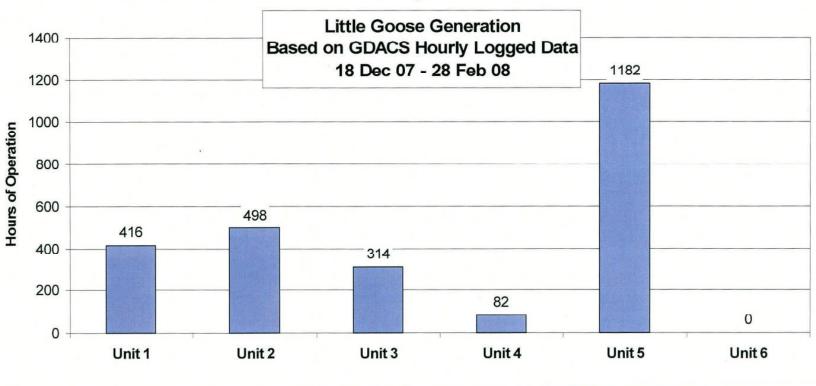
NWW 3D Cam Controllers

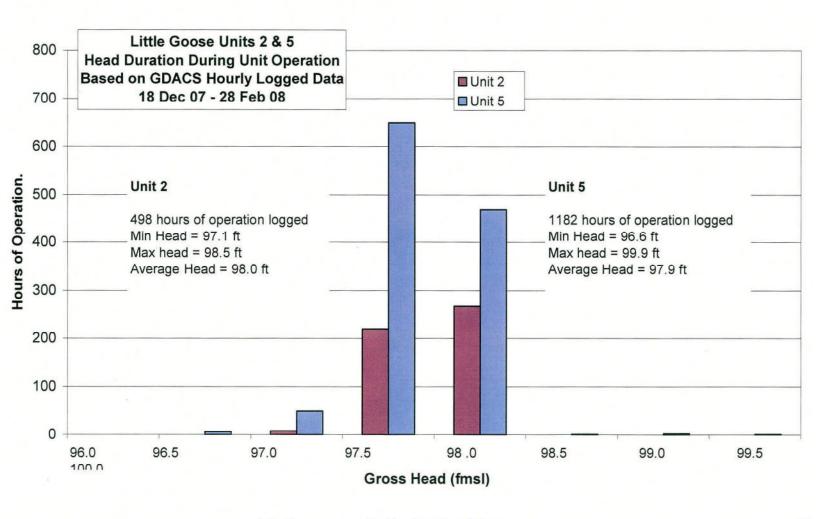
- Site visits completed Sept 07
 - Surveys expanded to include review of historical data (GDACS logged data)
 - Indentified frequency that 3D Cam Controllers were non-functional (unit by unit evaluation)
- •For LGO, IH, and McN:
 - Addendums to reports issued Dec 07
 - Quantified impacts of loss of 3D Cam functionality in terms of blade positioning error (& associated efficiency loss)

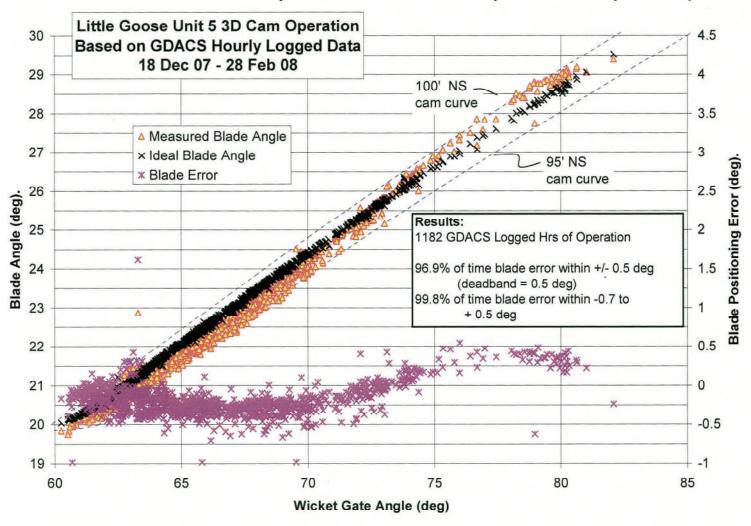
NWW 3D Cam Controllers Follow-On Efforts (since last HOT)

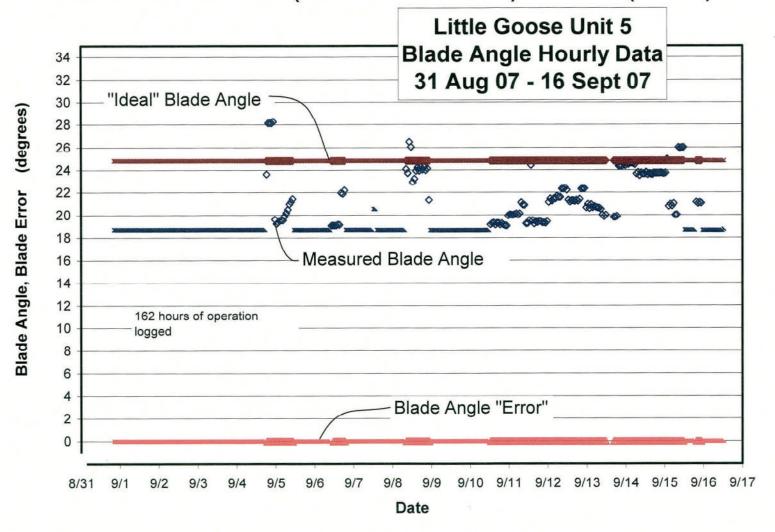
LGO:

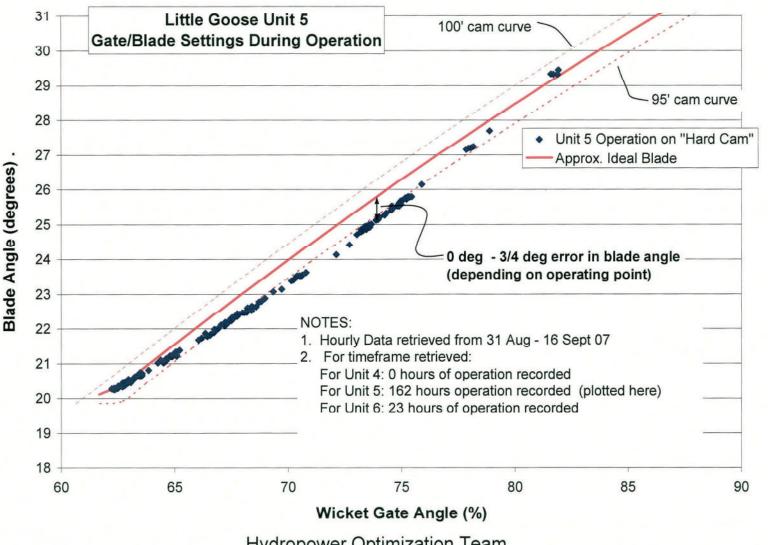
- 3D cam programming issues resolved (GMT on-site mid-Dec)
- Data collected for Abbrev. Survey 28 FEB

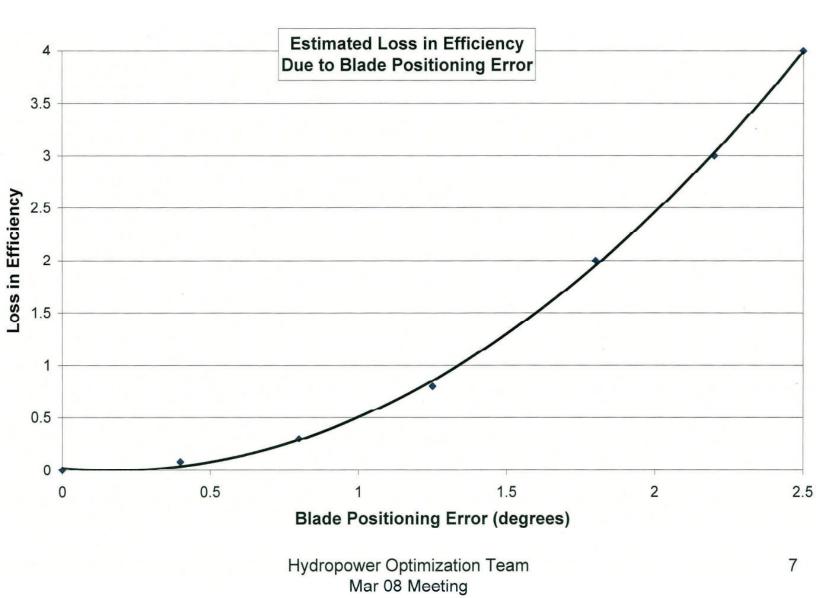


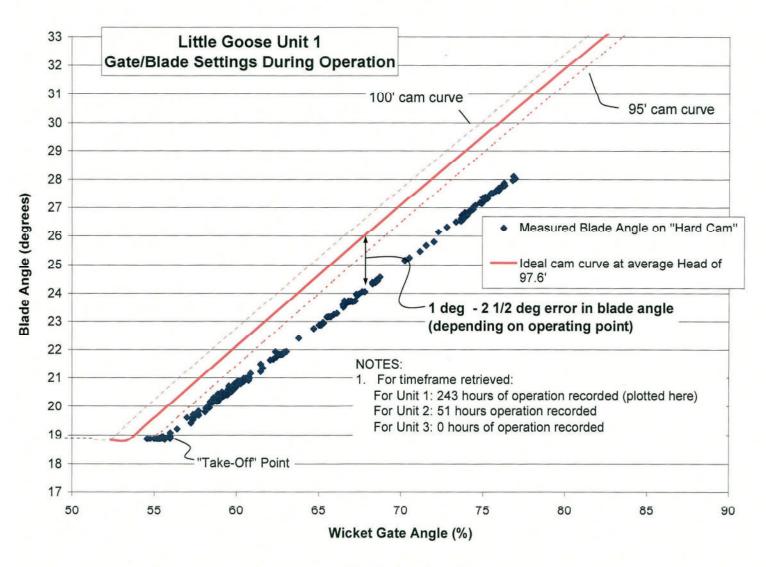


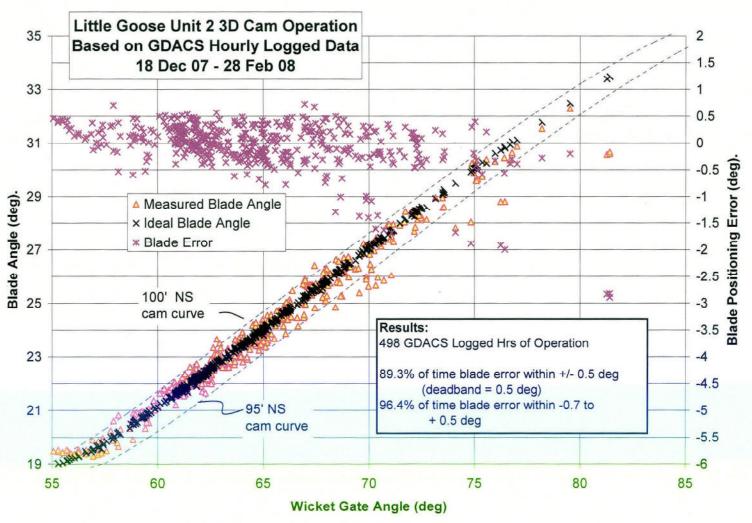






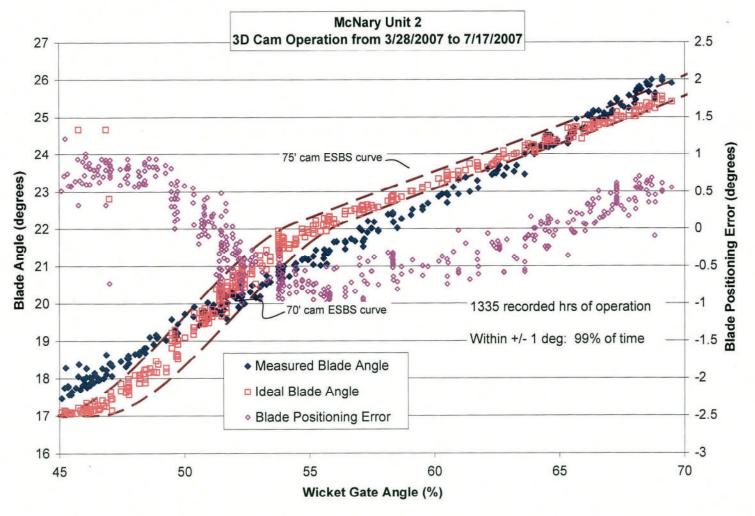






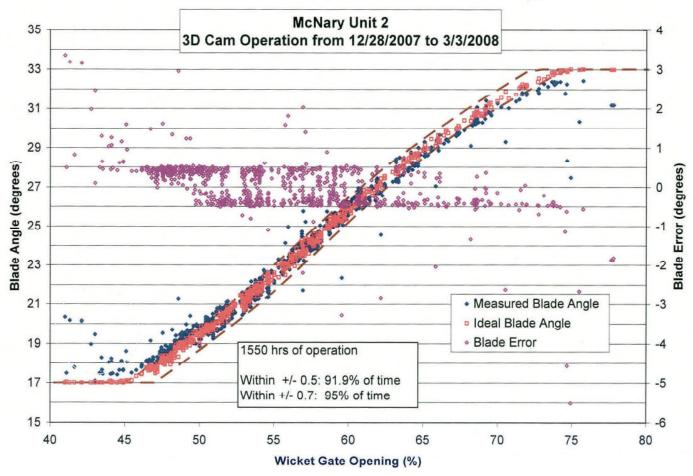
NWW 3D Cam Controllers Follow-On Efforts (since last HOT) – MCN:

Fall 07 SURVEY: Excessive deadbands noted (+/- 1 deg)



NWW 3D Cam Controllers Follow-On Efforts (since last HOT) – MCN:

Data for Abbreviated Survey collected 4 Mar (on site)
Mar 08 SURVEY: Excessive deadbands reduced to 0.5 deg



NWW 3D Cam Controllers Follow-On Efforts (since last HOT) – MCN:

Fall 07 Survey: Faulty head indication noted (effected head indication to Units 11-14)

