Staff Meeting: July 10, 2008 8:30 AM – 10:45AM

Location: Kennewick Office

Attendees: Don Warf, Alan Brower, Darren Chase, Troy Humphrey, Scott Livingston, Dave Marvin, Jenn Nighbor & Carter Stein

Absent: None

Recorded by: Jenn Nighbor

Agenda Item: Interrogation Site data synchronization and patching

Review what we are doing to keep platforms in Sync.

Dave – Middle of last month, a bunch of stuff happened to contribute to the anomalies that have seen.

Troy - Diligently adjusted clocks that were off by 2 minutes from the Atomic Clock at Granite, Goose and LoMo.

Dave – Adjusted clocks back as they were 2 minutes fast.

PTAGIS – www.nist.time.gov

Dave – uses machine time set by www.nist.time.gov

Question: Why the one minute value?

Answer: One minute is a compromise. Minimizes the amount of time to map file during SbyC in April, May & June. Try not to spend anytime outside of the peak season adjusting clocks. Ultimately, computers would not be outside of a second from each other unless there was a catastrophic failure at the site.

If we lose PC1, we still have PC2 to maintain the data stream as seamless as possible. Receive all status messages from PIT tags. Need to capture all change of states. Need to keep clocks as accurate as possible.

Dave - Make one change to procedure – need to change steps around.
Reason for doing so is to ensure no gap in data and no redundant data.

Example: June 16, 2008 at John Day
Wrong file was grabbed and created 1 ½ hours of redundant tag codes.

Don – How often has this been happening?
Dave – Not very often

Trying to go back and fix the error causes many more issues.

Broader issue of file stream maintenance.
If we have to bring in a file from PC2, we want to maintain the data as seamlessly as possible.

If fish comes in and PC2 clock is 15 seconds slower, this causes issues. Researchers see last time stamp as being at Separator, which is no good.

When sites have a power outage the PC clocks jump ahead and we are not sure why.
Hopefully newer boxes will be more consistent with time.

Suggestion:
Avoid the problem that Dave ran into.

- Archiving everything except file we want to PTAGIS. P-uploader does poor job sorting files and the last one is not always the most recent.

Alan – brought up the wiki page, SOP Site Platform System Clock Adjustment and made changes as they were being discussed in the meeting.

☐ JDJ Utility set to auto update – need to change.

What is the procedure when PC1 goes down and need for patching files?

Dave – Two different scenarios

Don – Want to see SOP written for patching data holes

Changing out PCI or it just dies (Follow steps one through six)

Controlled shut down vs. Uncontrolled shut down.

Worst Case Scenario – PC1 goes down, PC2 stays up, and then PC1 comes back up (need to create patch)

> Requires very close inspection of data files. Hopefully, time clocks are synced. Have to make sure clocks have not drifted so far that downstream files appear before upstream files.

M4 – clocks not as important because they will be syncing automatically.

☐ PTAGIS – check clocks and sync on every GMC
MiniMon sites – adjust clocks every time at the site.

☐ Dave – check clocks when visiting sits remotely.

Need to keep time within 15 seconds of each other or within 1 minute of the Atomic clock.

Note: Change clock on PC2 and leave PC1 alone during high traffic time as long as PC1 is within 1 min of atomic time.

Meeting adjourned at 10:45 AM.