

Correlation Issues

Laura La Porta, Andy Sargent, Mike Titus, Ed Himwich

- Okay to delete channels on a single baseline as opposed to all baselines to the affected station? (tentative answer: yes?)
- Manual Pcal at Kokee? (still being evaluated)
- Additive phases should be used? (some correlators don't)
- If one band at a station requires manual phase-cal, must both be manual? (yes?)
- Is multitone pcal being used everywhere? (?)
- Need an analyst/correlator meeting to discuss these and more

Correlator Clock Issues

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- Clock stability goes 1-to-1 into UT1 stability
- Correlators are working toward S/X clock stability of 10 ns
 - To achieve this, Bonn, USNO, and Haystack are using a common database to align the clocks
 - We need to get other correlators onto the same system
 - S/X UT1 probably has a bias of a few microseconds
- VGOS clock stability expected to be better than 100 ns
 - Work is ongoing to improve this
- VGOS UT1 will probably have a smaller bias than S/X
 - Connecting S/X and VGOS UT1 will require more investigation
- Historical issues with 24-hour experiment databases
 - Around 20 databases have UT1 errors of about 8 μ s
 - A larger number have errors of around 2 μ s
 - It should be possible to fix these, if it is considered worthwhile.