

VLBA Monitor Data Workflow Change

Supplement to VLBA Sensitivity Upgrade Memo 44

Walter Brisken

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Two software changes will be made starting Monday Oct 19 that require some change in procedure by VLBA operators and analysts. The first change is migration from the old `tsm` program to `rdbetsm`. This will result in “ANTAB” files (e.g., those ending in `cal.vlba` that contain information appropriate to the RDBE. It also removes one dependency on the old Oracle-base VLBA10 database, and migrates some functionality from the Sun machines to Linux. The second change is to migrate from `db2vex` to `vex2obs`. This also migrates functionality away from the VLBA10 database. The two changes will be made together due to shifting responsibilities of the various programs; some functionality currently in `db2vex` will move to `rdbetsm`. A full explanation of the new monitor data path can be found in VLBA Sensitivity Upgrade Memo 44. The two columns below show the old procedures (on left) and corresponding new procedures (on right).

Old procedures

1. Observe
2. Wait about 20 minutes for monitor data
3. Run `mark5c2db`
4. Run (on Sun) `tsm` \rightarrow `cal.vlba`
5. Run (on Sun) `tsmplot`
6. Run `plottsys`

New procedures

1. Observe
2. Wait about 20 minutes for monitor data
3. Run `mark5c2db`
4. Run `rdbetsm` \rightarrow `cal.vlba`, table data in `jobs/` directory
5. Run `rdbetsmplot`

Operators

Analysts

7. Run `vlog` \rightarrow some table data in `jobs/` directory
 8. Run `db2vex` \rightarrow `expt.vex.obs`, `expt.vex.shelf`, more table data in `jobs/` directory
6. Run `vex2obs` \rightarrow `jobs/expt.vex.obs`, `jobs/expt.vex.shelf`