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NpToNmxp 2.3.3 Release Notes

Importance

This release provides SOH Conversion when using Taurus 2.06 or higher.

Upgrade Procedure

- See the manual for more detailed instructions

Changes

This release includes the following upgrades and modifications.

- Fixes for rare case of NpToNmxp not processing data correctly

Limitations

When swapping media between Tauruses or moving Tridents from one Taurus to another, recreate the Store on the Taurus. Naqs may not properly re−request missed data if data from one instrument (Taurus or Trident) is in the Store of two Tauruses.

Previous Changes

Changes since 2.3.2

- Handles multiple instruments from any data source
    - ♦ Trident305 connected to Taurus
    - ♦ Trident305 connected to Cygnus
    - ♦ Trident305/Taurus sending data through Cygnus/Carina
- Convert selected SOH Data (See Manual)

Changes since 2.2.3

- NpToNmxp will no longer have to wait for Oldest Sequence Number information from Apollo after receiving it on a previous run of the program.
    - ♦ Files will be saved in the `/nmx/user` directory to cached these files. They have the file extension `.np`.

Changes since 2.01.06

- Added new Trident, Cygnus and Carina instrument names.
- Removed the use of "Orion" as a proxy for Taurus in an old NaqsServer. NpToNmxp now gets the instrument names from the packets themselves. Users wishing to continue with an old NaqsServer must use NpToNmxp v2.01.06 or older.
- Fixed bugs that resulted in negative gaps.
- NpToNmxp needs meta data from the Np instrument (Taurus) before it can create NaqsServer type packets. Heretofore, NpToNmxp simply awaited the arrival of the meta data. Now, NpToNmxp requests the special packet types upon receiving any data packets. This can significantly speed up the time between the start of the application and the arrival of data to NaqsServer.
- Multiple multicast groups are now read and used by NpToNmxp.

- Warning messages will be written to the log for invalid multicast groups.
- NpToNmxp may now be used with the Linux watchdog.
- Fixed bug that required at least 1 MulticastGroup. Now, no MulticastGroup's are required and a warning message is written to the log if no multicast groups are joined.

Changes since 2.01.02

- Fixed problem handling retransmission requests when "Orion" specified on command line.
- Exits if invalid arguments specified on command line.
- Sends retransmission requests to a Taurus using the same port that is used for receiving NP data packets from the Taurus.
- Updated documentation.