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ApolloToolkit 2.0.11 Release Notes

Apollo Toolkit is a collection of utilities and Perl scripts designed to facilitate the download and management of waveform data recorded in a Store. It includes utilities for managing Stores as archives.

Importance

This is a ***critical*** upgrade for users of MiniSeedToMiniSeed. Version 2.0.11 addresses a possible timing error in the output MiniSEED file. Otherwise this is a ***recommended*** upgrade.

Installation and Using

- See the User Guide.

Changes

- Addresses a possible timing error in the extracted data set. Previous versions of MiniSeedToMiniSeed can incorrectly round the data record time to the nearest second MiniSeedToMiniSeed.
- Included timeAudit parameter switch in MiniSeedToMiniSeed. Checks time continuity of input file and outputs a new MiniSEED file.
- Enabled the tools reading MiniSEED files to read Little Endian MiniSEED files.
- Update ApolloScript disco.pl to give better feedback if it doesn't discovery any Instruments.
- Added a one component script to Apollo Scripts (extract_time_onecomp.pl) This is not yet in the manual but instructions on how to use it are at the top of the file.
- Addresses a problem creating SegY files that extend over a half hour (ie, 12:00, 12:30).

Previous Changes

2.0.4

Added several new utilities:

- ***MiniSeedToSeed:*** Reads one or more MiniSEED files and creates a single full SEED file.
- ***MiniSeedToMiniSeed:*** Reads one or more MiniSEED files and creates one or more output MiniSEED files.
- ***MiniSeedToSegy:*** Creates a SEG Y file from one or more MiniSEED files.
- ***MiniSeedToSeisan:*** Creates SEISAN files from one or more MiniSEED files.
- ***StoreTool:*** Tools for manipulating a Store:
  - ♦ ***Store copy*** Copies a Store or a time slice of a Store and trims the copy. Copies only the data, resolving the problems of handling large Stores containing smaller data sets.
  - ♦ ***Store merge*** Merges multiple Stores into a single Store. Merged Stores can be from the same instruments or different instruments. A single extract process can be used to recover data from a network of Tauruses if the Stores are first merged into a single Store.
  - ♦ ***Trim store*** Trims a Store to the actual size of the data contained in the Store
- ***TResponse:*** generates a text file that contains all pertinent information on the response of an instrument connected to a Taurus/Trident305 digitizer. This file may be used with MiniSeedToSeed in order to generate channel response in the Full SEED files.
- ***FatFix:*** Corrects the file system label on a CompactFlash card. Label set to Ext3.

Limitations

- *MiniSEEDtoSEED:* Cannot read SEED files (either dataless or full) that contain response blockettes 42 or 62 (polynomial response blockettes)
- *StoreTool:* Requires double slashes in the path at the command line (see User Guide examples for this release)

1.00.00

- Initial Release