
ANTELOPE 4.10 CHANGES

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general info

- * Solaris Solaris 10
- * Linux SuSE Linux 9.3 (i586) (4.11=>OpenSUSE)
- * Macintosh Mac OS X 10.4.11 (Tiger) (4.11=>Leopard)

- * Solaris matlab not compiled (latest matlab requires 64 bit)

Big changes

- * calibration
- * various BRTT Tcl/Tk graphics extensions redone in perl
 - * graphs
 - * waveforms
 - * maps
- * rtbackup : completely rewritten so that backups are now run to other disk systems instead of tape

Not 64 bit this year

- * many changes toward 64 bit
- * much of Antelope foundation works in 64 bit
- * not ready
- * details later

Other notable changes

- * orbproxy -- router for orb communications
- * orbaddcalib -- puts calib, etc into (q3302orb) waveform packets
- * add optional rejected_ip_addresses (valid_ip_addresses)
- * orbserver faster due to removal of internal time index.
- * q3302orb: many changes, many related to calibration
- * db2sd: correct order of fir filters to match FDSN clarification

dbbuild evolution

- * dbbuild_examples(5)
- * proceed even if response file doesn't appear to be normalized
- * quit batch command for debugging batch files
- * “close sensor” bugs (with multiple identical sensors at site)
- * net/network syntax error in generated batch file
- * eliminate checks on second letter of channel name (Niko)
- * allow hiding some panels to use on small screens

vaguely related stuff

- * dbcheck_responses: suggests normalization factor for paz stages
- * related improvements in response library for peak/bandwidth search, finding response file syntax errors

bug fixes

- * diskserver: position at newest packet at open
- * db2msd: don't attempt to recompress steim 1 format
- * sts2 responses (Frank)
- * dbreplay: allow changing time tags for simulation (Anton)
- * fix mysterious auto-decompression in orbxfer2



- * liborb: fix two leaks related to select/reject

- * liborb: compute lag more reliably

- * orbexchange: fix problem switching from one orb provider to another, described by Artak

- * orb2db too slow at DMC: fixed (truss, collect)

minor

- * dbloc2
 - * display changes, fonts in parameter file
 - * dblocsat2 noisy about too many arrivals
- * dbverify: allow alternate parameter file
- * allow explicitly specifying %t, %u time tag format in elog.pf
 - * could cause problems in truncate_log

* heartbeat2db -- put heartbeat output into database

* orb2disk: more graceful when disk is full, better performance

* orb2orb: allow metering thruput in pkt/sec or kb/s

* orblag, tkorblag: new utility programs

* trexcerpt: better error messages when possible nsamp > max

* try to eliminate complaints about SOH channels

miniseed

- * miniseed2days: mention all dropped blocks, never remove input files
- * miniseed2db: announce failures (due to large files -- John)
- * add new DMC miniseed data code M (in addition to D, R, Q)
- * allow reading miniseed where samprate == 0 in standard header
- * msdd: interactive save, scan commands

programmer changes

- * antelopemake: updates for SunStudio 12, c99
- * certify : regression test automation
- * new examples: swapbytes, join keys in dbprocess, waveform packet
- * grepsrc: add objective c files
- * ldlibs: doesn't work with fortran