

APPENDIX D – SOFTWARE TOOLS

OWNER	PLATFORM	WHERE TO FIND IT
PASSCAL	Source code	ftp://ftp.passcal.nmt.edu/passcal/software/src
	Linux rpms	ftp://ftp.passcal.nmt.edu/passcal/software/linux/
	MacOS X	ftp://ftp.passcal.nmt.edu/passcal/software/osX/
	Solaris Pre-compiled Binaries	ftp://ftp.passcal.nmt.edu/passcal/software/solaris/
	DMC Programs	pod and rdseed ftp://ftp.iris.washington.edu/pub/programs/
BRTT: ANTELOPE	<p>This Antelope software runs in Unix environments on four architectures:</p> <ul style="list-style-type: none"> * Sun Solaris SPARC * Linux Intel x86 * Apple Macintosh Mac OS X * Linux X-scale processor (embedded in the Kinemetrics Marmot). 	<p>PASSCAL USERS AND OTHER IRIS MEMBERS CAN REQUEST ANTELOPE FROM:</p> <p>http://www.iris.edu/manuals/antelope.htm</p> <p>http://www.iris.edu/manuals/antelope_irismember.htm</p>
IRIS	Other Seismology Software and Manuals from IRIS/DMC SEED Tools	http://www.iris.edu/manuals/
	Seismic Processing Workshop (SPW) Software	http://www.passcal.nmt.edu/software/parallel-o-gram.html http://www.parallelgeo.com/
ORFEUS	Seismological Software Library	http://www.orfeus-eu.org/links/softwarelib.htm
QUANTERRA	Software and tools for groups who use Quanterra seismic dataloggers	ftp://quake.geo.berkeley.edu/pub/quanterra/
Others	k3b – Free software CD and DVD application for GNU/linux and other Unix like operating systems	http://k3b.plainblack.com/download

Table 1. Downloads and sources for PASSCAL, IRIS/DMC BRTT and other tools

OWNER	TOOL	USAGE
PASSCAL	con_DoFTP gui_DOTFTP	To send the data to PASSCAL via FTP. Con_DoFTP to be used in the command line gui_DOTFTP is a graphical user interface.
	DoSubmitting	To send the data to PASSCAL via orbxfer2 (antelope), to be released soon
	fixhdr	fixhdr is a GUI interface that allows the user to make changes to mseed fixed header values, change the Endianesss of the mseed headers, and apply bulk timing shifts. fixhdr also has a batch mode (-m option) that can be run with template files created either by fixhdr or from scratch. Type fixhdr on the command line to launch the program. Please refer to either the help tab on the GUI interface, the man page, or appendix F in this document for more information.
	mseedhdr	Print the fixed header values of each block of a mseed volume
	logpeek	Produces a graphical display of a Reftek 72- and 130-series DAS log files.
	tkeqcut	GUI to configure input for segymerge and qmerge
	rt130cut	Cut raw data from an RT-130 micro-drive or from an archive as written by rtpd.
	ref2mseed	Convert compressed Reftek format to MSEED format.
	ref2seggy	Convert compressed Reftek format to SEG Y format.
	ref2log	Produce only reftek logfiles
	chunky	Creates ZIP files for raw image backup
	unchunky	Generates mseed, log, ref, or SEG Y files from ZIP, TAR, BZIP files generated by chunky
	neo	Generates .ref and log files from/to ZIP files
	k3b	Software to burn CD/DVD (http://k3b.plainblack.com/download)
PASSCAL CONTRIBUTED	seed_edit	Edits miniseed headers
	seedsniff	Convert FDSN SEED format into readable ascii text
	seedsplit	break dataless seed volume into HAR000 components for editing.
	qlog, qedit	qlog - processes Quanterra console logs, event logs, and opaque data files qedit - Edit record header information in miniSEED or Quanterra data files
	ref2mseed	Convert a ref file to mseed volumes
IRIS/DMC	PQL, PQLX	PASSCAL QUICK LOOK, software to visualize waveforms
	rdseed	read FDSN SEED format volumes
	verseed	verifies a FDSN format
	PDCC	Portable Data Collection Center - a toolkit for seismic network operators to store and manage seismic instrument metadata and waveform data in SEED format.
	evalresp	evaluate response information and output to ASCII files using rdseed produced RESP files
ANTELOPE	To build mseed:	Dbbuild, dbpick, miniseed2days, miniseed2db, mk_dataless_seed, etc,
	Checks/fix:	chk_miniseed, dbcheckseed, fix_miniseed, patch_miniseed, seed2db, dbverify, dbversdw etc
	Other tools:	dbdetect, trexcerpt, trsample, dbnoise, dbwfmeas, displayspec, dbpick, tkdbpick, trdisp, etc
	Dataless:	mk_dataless_seed, seed2db

Table 2. Software you may need from PASSCAL, IRIS/DMC BRTT and others