SAXDAS Installation Guide

SAXDAS can be installed on DEC Unix 4.0d, Solaris 2.5, 2.6, HP-UX, and LINUX Red Hat 6.1 operating systems.

SAXDAS 2.1.1 is now available via anonymous ftp from SAX SDC ftp server and the HEASARC mirror

The following is the content of the sax/software/saxdas directory as 15 March 2000:

```
ftp> dir
200 PORT command successful.
150 ASCII data connection for /bin/ls (193.204.215.42,4921) (0 bytes).
total 10950
-rw-r--r--  1 root        1315 Mar 17 12:36 README
-rw-rw-rw-  1 root     2930707 Mar 17 12:11 SAXDAS_2.1.1.tar.gz
-rw-r--r--  1 root        1234 Nov 13  1998 SAXHPcaldb_0.1.0.tar.gz
-rw-r--r--  1 root      137125 Nov 13  1998 SAXLEcaldb_1.8.0.tar.gz
-rw-r--r--  1 root      137168 Feb  5  1999 SAXLEcaldb_1.8.1.tar.gz
-rw-r--r--  1 root      183675 Jan  7  1999 SAXMEcaldb_1.5.3.tar.gz
-rw-r--r--  1 root      183790 Feb  5  1999 SAXMEcaldb_1.5.4.tar.gz
-rw-r--r--  1 root        8841 Nov 13  1998 SAXPDcaldb_1.3.0.tar.gz
drwxr-xr-x  3 root         512 Mar 17 12:31 binaries
drwxr-xr-x  2 root         512 Dec 22  1998 hp
drwxr-xr-x  2 root        1024 Mar 14 12:06 old
drwxr-xr-x  2 root         512 Mar 16 15:24 pds
```

SAXDAS has been successfully compiled using **egcs-1.1.2**. LEMAT requieres GNU make-3.77.

SAXDAS must be installed into a preexisting working installation of **ftools 5.0**. It requires **tcltk** (several programs) and **perl** (1 program), which are, in any case, already requiered by ftools.

the SAXLE(ME,PD,HP)caldb_x.x.x.tar.gz files contain the basic LECS, MECS, PDS, and HPGSPC calibration files needed for data reduction.

The directory **old** contains old software and old basic calibration tar files.

- **To install SAXDAS 2.1.1**

- make a dir *sax* in the *yoursite/lheasoft/src* directory (*sax* should be at the same level of the *asca, rosat* and *xte* directories). If you have already such a directory, make sure to delete everything in it.

- get in binary mode the file SAXDAS_x.x.x.tar.gz

- mv `SAXDAS_x.x.x.tar.gz` in the *ftools/sax* directory

- gunzip `SAXDAS_x.x.x.tar.gz`

- tar xvf `SAXDAS_x.x.x.tar`

- Run the configure script: `./configure`

  configure will check if you have a caldb (checking for the existence of the variable $CALDBHOME. If you have a caldb SAXDAS will be set in order to access the SAX LECS, MECS, PDS and HPGSPC calibration files via this method. If you do not have a caldb SAXDAS will be set to access the needed calibration files, stored as individual files, in a SAX-specific area under the FTOOLS tree (sax/data).

  if *configure* successfully finished you should have all Makefiles ready to build SAXDAS. You may want to check the *Makefile.ctrl* to see if all settings are appropriate to your system.

- Type *make build*. This should build all SAXDAS executables.

- Type *make install*. This should install SAXDAS as a sub-package of FTOOLS (all executables and parameter files in the *ftools/bin.host* directory)
- get in binary mode the files SAXLE(ME,PD,HP)caldb_x.x.x.tar.gz

- put `SAXLE(ME,PD,HP)caldb_x.x.x.tar.gz` in the *$FTOOLS* directory

- gunzip `SAXLE(ME,PD,HP)caldb_x.x.x.tar.gz`

- tar xvf `SAXLE(ME,PD,HP)caldb_x.x.x.tar` This should unpack all the needed calibration files in the sax/data directory.

Questions, comments or suggestions concerning the SAXDAS software can be addressed to *helpdesk@sax.sdc.asi.it*

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