

	Aeolus Level-2B Processor Issue 1.33 Software Release Note	Ref: AE-RN-ECMWF-L2BP-001 Issue: 1.33 Date: 29 Feb 2008
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AEOLUS LEVEL-2B PROCESSOR

ISSUE 1.33 SOFTWARE RELEASE NOTE

1. Introduction

This document provides information relevant to the release of the ADM-Aeolus Level-2B Processor (L2BP) software, Issue 1.33, 29th Feb 2008. This advances on Version 1.32 by resolving some outstanding SPRs, interfacing to the latest file-formats of L1B products (v1.09, previous formats v1.04-postfat/1.05/1.06/1.07/v1.08 still accepted), and other minor improvements (details in Section 2.2).

2. Release Description

2.1. Software and Documentation

This release contains the Level-2B Processor Issue 1.33 software. It is intended to be compatible with the Aeolus Payload Data Segment and the Thin Layer Environment, and to be portable to other platforms (e.g. those found in national weather services). In addition to the Level-2B processor itself, the release contains a Report Generator and a standalone Level-1B EE2Bufr convertor interfaced to Bufr Edition 310.

Release 1.33 is intended to interface to Level-1B files generated by the MDA L1B processor, version 1.09. L1B files generated by L1BP versions 1.08, 1.07, 1.06, 1.05 and 1.04 (post-FAT) are also compatible from a technical perspective but bugs in L1B files from these earlier versions will lead to unreliable quantitative results. Interfacing to version 1.04/1.05/1.06/1.07/1.08 files may be phased out in future, so users should not rely on this feature in subsequent Level-2B Processor releases.

The documents applicable to Release 1.33 are listed in the Table below. PDF versions accompany this release (see Section 5). Documents dated before Jun 2007 are unchanged from Release 1.3, documents dated Jun 2007 are unchanged from Release 1.31, documents dated Jan 2008 are unchanged from Release 1.32, documents dated Feb 2008 contain updates.

Ref	Document title	Document ref	Ver	Date
[RD1]	ADM-Aeolus Level-2B/Level-2C Processor Input/Output Data Definitions Interface Control Document	AE-IF-ECMWF-L2BP-001	1.32	Jan 2008
[RD2]	ADM-Aeolus Level-2B Processor Software User's Manual	AE-MA-ECMWF-L2BP-001	1.33	Feb 2008
[RD3]	ADM-Aeolus Level-2B Processor External Interface Control Document	AE-IF-ECMWF-L2BP-002	1.32	Jan 2008
[RD4]	ADM-Aeolus Level-1B EE2BUFR Convertor: Installation and User Instruction	AE-TN-ECMWF-L2BP-0072	1.1	Feb 2007
[RD5]	ADM-Aeolus Level-2B Processor Algorithm Theoretical Baseline Document (Mathematical Description of the Aeolus Level-2B Processor)	AE-TN-ECMWF-L2BP-0023	2.1	Feb 2007
[RD6]	ADM-Aeolus Level-2B Processor Software Requirements Document	AE-RS-ECMWF-L2BP-001	1.1	Feb 2007
[RD7]	ADM-Aeolus Level-2B Processor Design Document	AE-DD-ECMWF-L2BP-001	1.0	Feb 2007

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[RD8]	ADM-Aeolus Rayleigh-Brillouin Correction Look-up Tables Generator Input/Output Data Definitions Interface Control Document	AE-TN-MFG-GS-0003	1.2	Jun 2007
[RD9]	ADM-Aeolus Level-2B Processor Software Verification & Validation Plan	AE-PL-KNMI-L2BP-001	1.3	Apr 2007
[RD10]	WNO FM94 (BUFR) description ADM-Aeolus Level-1B/Level-2B Products	AE-TN-ECMWF-L2BP-0072-TEMPLATE	1.1	Feb 2008

2.2. Changes Implemented relative to Version 1.32

- Interfacing to MDA L1BP V1.09.
- Simplified use of -FakeDateTime option for Level-1B EE2Bufr convertor (details in SUM [RD2]).
- Documented options for converting KNMI ascii files to AMD format (details in SUM [RD2]).
- Further resolution of SPRs ADM-L2BP-0006/ADM-L2BP-0023 and ADM-L2BP-0028.
- Updates to the Software Users' Manual [RD2] and the Bufr template definition [RD10].

The processor remains interfaced to files in Earth Explorer format and execution is controlled via a JobOrder file. The L2BP interfaces to Level-1B files generated by the MDA L1B processor, v1.09 (also for now 1.08/1.07/1.06/1.05/1.04-postfat). The expected format for L1B input is defined in [RD3] of [RD1] (or rather the updated Issue 3/5 expected to accompany L1BP V1.09).

2.2.1. SPRs resolved

- ADM-L2BP-0006: HDR/DBL product times made consistent in Aux_Par_2B and Aux_Par_2C files.
- ADM-L2BP-0023: Same issue as ADM-L2BP-0006.
- ADM-L2BP-0028: Corrections to FH.System, MPH.Proc_Center, Ref_Doc, and ALD_REP_2B files. But see Known Issue 10.

The SPRs still outstanding are given in Section 4.1. Other Known Issues are given in Section 4

2.3. System Requirements

The L2BP is designed to work on a standard Linux workstation.

2.3.1. Hardware requirements

Memory : 256 MB.
Diskspace : 1500 MB for installation purposes
Operating system : Unix.

2.3.2. Software requirements

Compilers: Fortran90, Make, Python (version 2.3 or higher). C++ is not currently required.
Libraries: ESA Earth Explorer CFI v3.7 (3.7.1 for Linux) (associated platform constraints)

For compatibility with EE CFI datatypes, the Fortran compiler must be capable of supporting Asymmetric integers (e.g. range -32768 to +32767 for 2-byte integers). **Hence some NAG Fortran compilers may be excluded.** For further details on the compilation environment, see Section 2.4.

Refer to Sections 3.3 and 3.4 for instructions on how to obtain the Earth Explorer CFI library and the g95 Fortran compiler (if needed).

2.4. Compilation Software and Platform

The L2BP source code is portable code that is provided for compilation in a number of Linux environments.

2.4.1. Target environment

At the very least, the source code is intended to compile in

RedHat Linux Enterprise Server, Kernel 2.4.21
GNU Compiler Collection (gcc) 3.3.2 or later
g95 fortran compiler
python 2.3
ESA Earth Explorer CFI V3.7 (3.7.1 for Linux)
libxml2 2.5.10 or later

2.4.2. Other environments

During development of this release, the code has been compiled with other combinations of operating system and fortran compiler:

Linux compilation environments

SuSE Linux Operating System 9.1, pgf90 5.2-4
g95 (gcc version 4.0.3, g95 0.90)

NEC compilation environment

Front-end TX-7
ia64 Linux kernel 2.6.5
FORTRAN90/SX Version 2.0 for SX-8R f90 driver for SX Rev.343 2006/09/30
Linker sxld: V10.13 for SX-8R

Please report behaviour in other environments to the Contact Points given in Section 7.

2.4.3. Environment exceptions

In contrast to the Release 1.1, the current release is not yet portable to

SuSE Linux Operating System 9.1,	ifort Version 8.1 f95
AIX (IBM Unix),	xlf90, f95
SunOS 5.9,	f90: Sun Fortran 95 7.1 Patch 112762-09
DecAlpha	decfort90

The code is portable to gfortran (gcc version 4.2.0) provided a patch is used during installation.

Compilation problems may be encountered with the nagware f95 compiler, which may not support the data types defined in the Earth Explorer standard.

Compilation and/or run-time problems are also encountered on machines where the default integer representation comprises 8 bytes [K18].

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2.5. Testing Performed

A total of 232 unit tests are contained within the Test directory of the software release. Of these, 9 tests are specific to the EE CFI interface to XML, and are skipped for platforms where the EE CFI library is not available. On such platforms, an alternative interface to XML libraries is provided.

All tests have passed with the following environment at ECMWF:

SuSE Linux Operating System 9.1
pgf90 fortran compiler 5.2-4
GNU Compiler Collection (gcc) 3.3.3
python 2.3
ESA Earth Explorer CFI V3.7.1
Libxml2 2.6.7

and with the g95 environment present at KNMI.

The expected test results, including those for the environment exceptions listed in Section 2.4.3, are tabulated below.

Operating system	Fortran compiler	XML interface	Tests passed	Tests failed	Tests skipped	Comments
Linux	pgf90	use_ee_cfi_wrapper	232	0	0	Full functionality.
Linux	g95	use_ee_cfi_wrapper	232	0	0	Full functionality.
Linux	ifort	use_ee_cfi_wrapper	231	1	0	Minor rounding discrepancy in Classification test#6.
Linux	pgf90	use_simple_xml	223	0	9	Full functionality.
Linux	g95	use_simple_xml	223	0	9	Full functionality.
Linux	gfortran	use_simple_xml	223	0	9	Patch must be applied during unpacking of the software (Section 3.1.2, Step 1.1).
Linux	ifort	use_simple_xml	222	1	9	Minor rounding discrepancy in Classification test#6.
Aix	xlF90	use_simple_xml	210	13	9	Minor rounding discrepancies, other miscellaneous.
SunOS	F90	use_simple_xml	139	70	9	14 tests missing.
Linux (64bit)	g95-64	use_simple_xml	191	30	9	Line-breaks in expected outputs - under investigation.
	ifort-64	use_simple_xml	180	43	9	Line-breaks in expected outputs - under investigation.
DecAlpha	decfort90					Test platform no longer available. Internal compiler error encountered with Release 1.31.
Linux	pgf90	use_ee_cfi_wrapper	15	0	217	Installation of L1B EE2Bufr convertor without L2BP - option 2 in Section 3.2.2.

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3. Installation

Note that the entire installation should be performed by a single user account.

3.1. How to get the software

3.1.1. Downloading from external site

During the Development Phase, contact ESA or ECMWF.

1. Create a build directory \$BUILD.
2. Place the source code (.tar.gz) in it. The source code is referred to below as \$L2BSOURCE. It will have a name like L2BP_Release1.33_source.tar.gz.
- 2.1 Additional Patch Step for gfortran platforms only. In the same directory, place the patch code (.tar.gz) in it. The patch code is referred to below as \$L2BPATCH. It will have a name like L2BP_Release1.32_datapack_gfortranPatchA_20080131.tar.gz. Note that the Patch for Release 1.33 is unchanged from the Patch for Release 1.32.
3. Create a directory \$INSTALLATION_DATADIR.
4. Place the installation datapack file (.tar.gz) in it. The installation datapack is referred to below as \$L2BDATAPACK. It will have a name like L2BP_Release1.33_datapack_20080226.tar.gz.
5. [Not valid for Release 1.33: Place the Test Data Set datapack file (.tar.gz) in it. The Test Data Set datapack is referred to below as \$L2BTDSPACK. It will have a name like L2BP_Release1.1_TDS_20060821.tar.gz.]

3.1.2. Unpacking the software

1. From the build directory, unpack the source code:
 - a. `cd $BUILD`
 - b. `tar zxvf $L2BSOURCE`
- 1.1 Additional Patch Step required for gfortran platforms only:
 - c. `tar zxvf $L2BPATCH`
2. Leave \$(INSTALLATION_DATADIR)/\$L2BDATAPACK in packed form, i.e. as a .tar.gz file.

3.2. How to install the software

3.2.1. Preparing the environment variables and the compilers

- 1) If the CFI Library is available for your platform but is not already installed then install it following the instructions of Section 3.3. Otherwise, edit the file \$BUILD/Scripts/build_L2BP.EXAMPLE.sc to set "dontuse" for two environment variables:

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```
set EECFI_DIR = dontuse
set EE_XML_DIR = dontuse
```

- 2) Edit the file \$BUILD/Scripts/build_L2BP.EXAMPLE.sc. Set INSTALL_DIR to the target directory for the L2BP executable; this should not be a sub-directory of \$BUILD. Make sure that EECFI_DIR ends with a "/" and set it so that the Earth Explorer file_handling directory is found as \$(EECFI_DIR)explorer_file_handling. Set EE_XML_DIR so that libxml2.a can be found as \$(EE_XML_DIR)*/lib/libxml2.a or \$(EE_XML_DIR)/lib/libxml2.a. Set DATAPACK to the full path name for the datapack tar.gz file, i.e. \$(INSTALLATION_DATADIR)/\$L2BDATAPACK.
- 3) If necessary, customize the default choices for compiler definitions (currently in Scripts/use_g95) to make them appropriate for your environment. Customizing the definitions should be restricted to the actual compiler names and should not include any path. The compilers should be available in the default path setting for your login. Alternatively, if you have for example \$HOME/bin in your path, then it is sufficient to place a symbolic link in \$HOME/bin pointing to the actual executable of the compiler.

3.2.2. Running the install scripts

1. [Option 1: Full installation of L2B processor and L1B-EE2Bufr convertor].

From \$BUILD, execute the edited/customized build script:

- a. `chmod a+x ./Scripts/build_L2BP.EXAMPLE.sc`
- b. `./Scripts/build_L2BP.EXAMPLE.sc`

This command recursively executes make in the relevant sub-directories. It also runs the installation tests designed to ensure compilation portability.

Approximate installation times are:

compiling	15 minutes,
running the installation-test suite	15 minutes.

Note that the software can be compiled on NEC platforms using the example compilation script

```
./Scripts/build_L2BP_NEC_example.sc
```

That script is intended for submission as a batch job on a front-end NEC compiling machine. It can serve also as an example of batch compilation for other machines.

2. [Option 2: Installation of L1B-EE2Bufr convertor but not L2B processor].

It is recommended that installation of the L1B EE2BUFR convertor be performed as part of the main installation (Option 1 above), so that no additional operator intervention is expected. It is nonetheless possible to install the EE2BUFR convertor as a subpackage without installing the main L2BP, via:

- a. `cd $BUILD`
- b. `source ./Scripts/use_g95 # or similar for other compilers`
- c. `./Set_Makeoptions`
- d. `make -f Makefile.aeolus ee2bufr`
[answer "n" to 3 questions about EE CFI paths]
- e. `make -f Makefile.aeolus ee2bufrtest`
- f. `mkdir $INSTALL_DIR`
- g. `mkdir $INSTALL_DIR/BUFR_TABLES`
- h. `cp BUFR_file_handling/L1B_ee2bufr $INSTALL_DIR/.`
- i. `cp BUFR_file_handling/TestL1B_ee2bufr $INSTALL_DIR/.`
- j. `cp Test/BUFR_tables/B00000000000098015001 $INSTALL_DIR/BUFR_tables/.`

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```
k. cp Test/BUFR_tables/B00000000000098015001 $IN-
STALL_DIR/BUFR_tables/.
```

In the event of problems, follow the instructions given in Section 3.3 of [RD4]. Remember the need to set ARCH and optionally CNAME by modifying the file \${BUILD}/Scripts/Set_SystemSettings.

3.2.3. Installation messages

During the install, the following error messages (or similar from other compilers) should be ignored:

```
pbio.c: In function `pbopen_':
pbio.c:159: warning: assignment makes integer from pointer without a cast
```

3.2.4. Recovery from a failed installation

In the event of a failed install and subsequent modifications below \$BUILD, a clean restart should be prepared by issuing the following commands.

- For recovery from a failed installation:
 - cd \$BUILD
 - make -f Makefile.aeolus clean
 - make -f Makefile.aeolus cleantest

The pass/fail results are listed in the text file \$BUILD/Test/testresults.accumulated.

In general, persistent test fails should be reported to ESA and/or ECMWF, providing the following:

- details of installation platform
- the setup file \$BUILD/Set_SystemSettings
- the build logs \$BUILD/build_L2BP.log and \$BUILD/build_L2BP.testlog
- the failed test output files, as listed in \$BUILD/Test/testresults.accumulated.

3.2.5. Using the built executables

1. Executables and templates of files needed for ThinLayer operation should be available under \$INSTALL_DIR. For further details on configuring the standalone software, refer to the SUM [RD2] Part 2 (Operations Guide).

2. Correct run-time execution of the EE2_BUFR convertor requires two files (B00000000000098015001, D00000000000098015001) accessed via the setting of an environment variable BUFR_TABLES, i.e.

```
setenv BUFR_TABLES $INSTALL_DIR/BUFR_tables/ # final "/" is mandatory, avoid "~"
```

Note the need a) for the "/" at the end, and b) to check that \$BUILD is fully expanded so that BUFR_TABLES is, e.g., /home/l2bp_install_ver_current/BUFR_tables/ or something similar. In particular, do not use a tilde "~" at the start of the BUFR_TABLES definition because this may not be correctly interpreted.

3.3. How to retrieve and install the EE CFI external software library

The Earth Explorer Mission CFI Software is a collection of software functions performing accurate computations of mission related parameters for Earth Explorer missions. They also provide an interface to XML libraries.

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3.3.1. Register and retrieve the software package

In order to retrieve the cfi software package, you have to be a registered cfi software user. In order to register visit the site

http://eop-cfi.esa.int/CFI/ee_cfi_software.html

visit the link to the registration procedure, and follow the instructions.

Once you're are registered and you've received your username and password visit

http://eop-cfi.esa.int/CFI/ee_cfi_software.html

again, this time entering the Earth Explorer CFI Download Area.

Enter directory CURRENT/3.4_patch_A/ and download the

EXPLORERCFI_3_4_LINUX_patch_A.tar.gz

Enter directory XML_LIBRARIES/ and download the

libxml2-2.6.22_LINUX.tar.gz

Create a \$CFI directory and place the tar file EXPLORERCFI_3_4_LINUX_patch_A.tar.gz in it.

3.3.2. Unpack and install the libraries

Unpack the source code, generate directories ./include and ./lib and make links:

```
cd $CFI
tar -xzf EXPLORERCFI_3_4_LINUX_patch_A.tar.gz
mkdir include

cd include
ln -s ../explorer_data_handling/include/explorer_data_handling.h .
ln -s ../explorer_file_handling/include/explorer_file_handling.h .
ln -s ../explorer_lib/include/explorer_lib.h .
ln -s ../explorer_orbit/include/explorer_orbit.h .
ln -s ../explorer_pointing/include/explorer_pointing.h .
ln -s ../explorer_visibility/include/explorer_visibility.h .

cd ../
mkdir lib/LINUX

cd lib/LINUX
ln -s
../../explorer_data_handling/lib/LINUX/libexplorer_data_handling.a .
ln -s
../../explorer_file_handling/lib/LINUX/libexplorer_file_handling.a .
ln -s ../../explorer_lib/lib/LINUX/libexplorer_lib.a .
ln -s ../../explorer_orbit/lib/LINUX/libexplorer_orbit.a .
ln -s ../../explorer_pointing/lib/LINUX/libexplorer_pointing.a .
```


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```
ln -s ../../explorer_visibility/lib/LINUX/libexplorer_visibility.a .

cd ../../
mkdir aux_tools
cd aux_tools

place libxml2-2.6.22_LINUX.tar.gz in aux_tools.
tar -xzf libxml2-2.6.22_LINUX.tar.gz
```

The standard installation requires a directory `ee_cfi_software` in the `$BUILD` directory. So finally change to `$BUILD` and create a link from `$CFI` to `$BUILD/ee_cfi_software`.

3.4. How to retrieve and install g95

The current version of the L2B processor **may not compile** using NAG Fortran compilers. In case there is no other compiler available at your site, retrieve g95, which is freely available at

<http://g95.sourceforge.net/>

Follow instructions to compile or download pre-built binary.

3.5. How to generate the Test Data Sets [not applicable to Release 1.33]

Generate Test Data Sets using the following commands

1. `cd $(INSTALL_DIR)`
2. `tar xvf $(INSTALLATION_DATADIR)/$(L2BTDSPACK) .`
3. `chmod -R 755 .`
4. Edit the setting of `BUILD` in `run_tds.ksh` to be the same as `$(BUILD)`.
5. `./run_tds_ksh`

Consult the development team for advice on how to interpret the results.

4. Known Issues

[KI1-KI4] Closed in previous releases.

[KI5] Not applicable to Release 1.33: The pgf90 and g95 compilers produce a number of different DBL values in Test Case L2B_TestCase_000.

[KI6] Closed in previous releases.

[KI7] XML schemas are provided for ALD_U_N_2B, ALD_U_N_2C and AUX_PAR_2B files in the directory `$BUILD/schemas`. Prototypes are under development for other auxiliary files.

[KI8] Compilation and/or run-time problems are encountered on machines where the default integer representation comprises 8 bytes. In many cases, the problems are confined to textual differences in logfiles, arising from code within the BUFR library.

[KI9] Closed in previous releases.

[KI10] The IODD contains a typographical error in Table 9: `Abs_Orbit` should be Type **IntAus** (unsigned, not signed IntAs). The error will be corrected in the next update of the IODD.

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[K111] In L2B products, the Ref_Doc field is taken from AUX_PAR_2B parameter MPH_Default_Fields%Ref_Doc. This parameter must be consistent with the IODD reference applicable to this release, i.e. set to "L2B/L2C IODD Iss. 01.32"

4.1. SPRs outstanding

- None.

5. Software/Document Transfer Inventory

This release of the Aeolus Level-2B Processor software consists of the following source code and data:

Filename	Extension	Size in bytes	Contents
L2BP_Release1.33_source	.tar.gz	3 575 768	Source code including installation scripts
L2BP_Release1.32_datapack_gfortranPatchA_20080131	.tar.gz	162 560	Modified BUFR testoutputs for gfortran
L2BP_Release1.33_datapack_20080226	.tar.gz	109 089 284	Binary data needed for Installation/Testing
L2BP_Release1.33_ExtraDS	.tar.gz	200 191	Additional examples (not used in Installation)

The gfortran Patch file contains 8 replacement text files for the directory Test/BUFR_file_handling. It is unchanged from Release 1.32. The contents of the other tar files are listed in Appendices A, B, C.

The documents included in this release are:

Filename	Extension	Size in bytes	Contents
AE-RN-ECMWF-L2BP-001_20080229_SRN_Iss1.33	.pdf	159 K	This Software Release Note
AE-IF-ECMWF-L2BP-001_20080116_IODD_Iss1.32	.pdf	1 750 243	Input-Output Data Definition Document
AE-MA-ECMWF-L2BP-001_20080229_SUM_Iss1.33	.pdf	177 466	Software User's Manual
AE-IF-ECMWF-L2BP-002_20080116_ExtICD_Iss1.32	.pdf	667 436	External Interface Control Document
AE-TN-ECMWF-L2BP-0072_20070223_EE2BUFRGuide_Iss1.1	.pdf	320 586	BUFR Convertor Installation and User Guide
AE-TN-ECMWF-L2BP-0072-TEMPLATE_20080229_BufrDefn_Iss1.1	.pdf	1 036 661	BUFR template definition
AE-TN-ECMWF-L2BP-0023_20070223_ATBD_v2.1	.pdf	737 334	Algorithm Theroetical Baseline Document (Mathematical Description)
AE-RS-ECMWF-L2BP-001_20070223_SRD_v1.1	.pdf	341 265	Software Requirements Document
AE-DD-ECMWF-L2BP-001_20070223_DD_Iss1.0	.pdf	348 911	Design Document
AE-TN-MFG-GS-0003_20070615_RBCIODD_Iss1.2	.pdf	854 729	Rayleigh-Brillouin Correction Input-Output Data Definitions Document
AE-PL-KNMI-L2BP-001_20070411_SVVP_Iss1.3	.pdf	406 344	Software Verification & Validation Plan

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6. Getting Started

Follow the installation instructions above. Then refer to the SUM [RD2] for instructions on how to run the software in ThinLayer or standalone mode. The user account for running the software can be different to the user account for installing the software.

7. Queries and Feedback

Please direct any queries and feedback to the ESA Aeolus Project Team or the ECMWF (European Centre for Medium-Range Weather Forecasts.)

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Appendix A. Contents of L2BP_Release1.33_source.tar.gz

A.1. File organization

The overall directory structure below \$BUILD is described below. Each subdirectory contains source code and installation files.

Subdirectory of \$BUILD	Contents/Purpose
AMD_file_handling	Handling of Auxiliary Meteorological Data files (AUX_MET_12)
Application_Client_Example	Example of interfacing to NWP subroutine version from a standalone executable
AuxClim_file_handling	Handling of Auxiliary Climatological Data files (AUX_CLM_L2)
BUFR_file_handling	Routines for the L1B_EEtoBUFR convertor
BUFR_install	BUFR software needed by the L1B_EEtoBUFR convertor
BUFR_tables	BUFR tables needed by the L1B_EEtoBUFR convertor
Classification	Classification of L1B data into different atmospheric scenes
DataStructures	Definition of data structures
DirectBinaryIO	Basic routines for binary file I/O
HLOS_retrieval	Retrieval algorithms for Level-2B HLOS
InputScreening	Screening of input data
KVT_module	Handling of data in KVT format
L1B_file_handling	Handling of Level-1B Data files (AUX_U___1B)
L2B_AuxPar_file_handling	Handling of Level-2B Processing Parameter files (AUX_PAR_2B)
L2BC_file_handling	Handling of Level-2B/level-2C Data files (AUX_U___2B, AUX_U___2C)
LiteTestData	Handling of LITE development data, to be phased out
Match_AMD	Routines for matching L1B locations with AMD locations
Matlab_Tools	Matlab tools for examining EE files
Meas_Selection_Weighting	Measurement selection and weighting
MieCoreProcessing	Mie core processing algorithm
MolScat	Computation of molecular extinction and backscatter
OpticalProperties	Retrieval of atmospheric optical properties
RBC_FileHandling	Handling of Rayleigh-Brillouin Correction Data files (AUX_RBC_L2)
RayleighBrillouinProcessing	Rayleigh-Brillouin Correction algorithm
Scripts	Collection of scripts
ThinLayer	Handling of ThinLayer (JobOrder) files
Tools	Collection of tools
auxiliary	Processing of auxiliary meteorological data
ee_cfi_wrapper_module	Interfaces to EE CFI routines
external	Routines specific to ECMWF operational interface
Input_data	Input data
input_rpt	Development data (LITE and meteorological), to be phased out
lib	Location for object library
main	Main program source code

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schemas	XML schemas	
simple_xml	Alternative interface to xml for platforms where EE CFI is unavailable	
src_ecmwf	Preprocessing of Auxiliary Meteorological Data (common to reprocessing and operational processors)	
support	Collection of support routines	

A.1.1. Subdirectory for the installation portability tests

In addition to the sub-directories listed in Section A.1, the installation portability test suite is contained in a sub-directory \$BUILD/Test. The subdirectories below \$BUILD/Test correspond to those below \$BUILD

A.2. Source code inventory

The following listing can be obtained with the Unix command

```
tar ztvf L2BP_Release1.33_source.tar.gz | sort --key=6
```

```
[Courier New 8 pt, left justified]
drwxr-x--- dat/rd          0 2008-02-29 14:52:37 ./
drwxr-x--- dat/rd          0 2008-02-29 14:51:03 ./AMD_file_handling/
-r--r----- dat/rd      14252 2008-02-25 11:19:18
./AMD_file_handling/ConvertKnmiAscToAMD.F90
-r--r----- dat/rd       4617 2007-08-03 13:23:02 ./AMD_file_handling/Makefile.aeolus
-r--r----- dat/rd       115 2006-05-12 20:02:25 ./AMD_file_handling/Objects.txt
-r--r----- dat/rd       5242 2008-01-18 13:03:19 ./AMD_file_handling/TestReadAMDdata.F90
-r--r----- dat/rd      12128 2008-01-18 13:02:55 ./AMD_file_handling/TestWriteAMDdata.F90
-r--r----- dat/rd      43537 2008-02-22 08:48:28 ./AMD_file_handling/readamddata.F90
-r--r----- dat/rd      25986 2008-02-22 08:48:54 ./AMD_file_handling/writeamddata.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:03 ./Application_Client_Example/
-r-xr-x--- dat/rd       9073 2007-12-21 17:09:24
./Application_Client_Example/Makefile.aeolus
-r--r----- dat/rd      13987 2008-01-16 16:12:15
./Application_Client_Example/application_client_example.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:03 ./AuxClim_file_handling/
-r--r----- dat/rd       4246 2006-08-02 11:03:07 ./AuxClim_file_handling/Makefile.aeolus
-r--r----- dat/rd       186 2006-08-02 11:03:14 ./AuxClim_file_handling/Objects.txt
-r--r----- dat/rd       7504 2008-02-25 16:04:26
./AuxClim_file_handling/TestWriteAuxClimData.F90
-r--r----- dat/rd      18030 2008-02-25 16:06:42
./AuxClim_file_handling/writeauxclimdata.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:03 ./BUFR_file_handling/
-r--r----- dat/rd      78047 2008-02-25 11:21:33 ./BUFR_file_handling/L1B_BufrUtil.F90
-r--r----- dat/rd      9956 2008-02-25 11:22:15 ./BUFR_file_handling/L1B_ee2bufr.F90
-r--r----- dat/rd      5886 2007-03-23 13:25:28 ./BUFR_file_handling/Makefile.aeolus
-r--r----- dat/rd      2159 2006-03-23 11:55:35 ./BUFR_file_handling/README.txt
-r--r----- dat/rd      8037 2008-01-16 15:56:07 ./BUFR_file_handling/TestL1B_ee2bufr.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:03 ./BUFR_install/
-r--r----- dat/rd      1382 2007-01-05 13:17:23 ./BUFR_install/Makefile.aeolus
-r-xr-x--- dat/rd      6930 2008-02-22 14:30:38 ./BUFR_install/Set_config.linux_compiler
-r-xr-x--- dat/rd      7521 2007-05-16 13:01:10 ./BUFR_install/make.bufr.lib
drwxr-x--- dat/rd          0 2008-02-29 14:51:03 ./BUFR_tables/
-r--r----- dat/rd     170608 2006-03-10 13:31:16 ./BUFR_tables/B0000000000098015001.TXT
-r--r----- dat/rd     349811 2006-12-01 13:49:44 ./BUFR_tables/D0000000000098015001.TXT
-r--r----- dat/rd       139 2007-01-05 13:08:23 ./BUFR_tables/ListOfBufrTables.txt
```

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```

-r--r----- dat/rd          1740 2007-01-05 13:07:51 ./BUFR_tables/Makefile.aeolus
drwxr-x--- dat/rd           0 2008-02-29 14:51:03 ./Classification/
-r--r----- dat/rd          6560 2007-10-05 10:08:13 ./Classification/Makefile.aeolus
-r-xr-x--- dat/rd           149 2006-09-19 15:08:10 ./Classification/Objects.txt
-r--r----- dat/rd          13855 2008-01-16 16:08:48 ./Classification/TestClassification.F90
-r--r----- dat/rd          25630 2008-01-16 16:09:01 ./Classification/classification.F90
-r--r----- dat/rd          20552 2008-01-16 16:09:13 ./Classification/construct_obs.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:03 ./DataStructures/
-r-xr-x--- dat/rd          25236 2007-12-21 17:07:55 ./DataStructures/Makefile.aeolus
-r-xr-x--- dat/rd           1704 2007-12-21 17:08:02 ./DataStructures/Objects.txt
-r--r----- dat/rd           1581 2008-01-16 15:14:55
./DataStructures/Test_AMD_DataStructure.F90
-r--r----- dat/rd           2389 2008-01-16 15:52:07 ./DataStructures/Test_AMD_Geoloc_ADS.F90
-r--r----- dat/rd           2628 2008-01-18 13:05:08 ./DataStructures/Test_AMD_Met_MDS.F90
-r--r----- dat/rd           561 2006-08-02 11:00:18
./DataStructures/Test_AuxClim_DataStructure.F90
-r--r----- dat/rd           1840 2008-01-16 15:52:22 ./DataStructures/Test_AuxClim_SPH.F90
-r--r----- dat/rd           1392 2008-01-16 15:52:51
./DataStructures/Test_DataSetDescriptor.F90
-r--r----- dat/rd           3061 2007-11-14 15:54:00 ./DataStructures/Test_EE_CFI_Datatypes.F90
-r--r----- dat/rd           1221 2008-01-16 15:14:37 ./DataStructures/Test_FixedHeader.F90
-r--r----- dat/rd           1071 2008-01-16 15:20:03
./DataStructures/Test_JobOrder_DataStructure.F90
-r--r----- dat/rd           1296 2008-01-16 15:26:10 ./DataStructures/Test_L1B_Cal_ADS.F90
-r--r----- dat/rd           2287 2008-01-16 15:40:09
./DataStructures/Test_L1B_DataStructure.F90
-r--r----- dat/rd           1204 2008-01-16 15:18:48 ./DataStructures/Test_L1B_GWD_ADS.F90
-r--r----- dat/rd           1247 2008-01-16 15:53:03 ./DataStructures/Test_L1B_Geoloc_ADS.F90
-r--r----- dat/rd           1433 2008-01-16 15:17:48 ./DataStructures/Test_L1B_Meas_ADS.F90
-r--r----- dat/rd           1267 2008-01-16 15:14:24 ./DataStructures/Test_L1B_PCD_ADS.F90
-r--r----- dat/rd           1295 2008-01-16 15:24:07 ./DataStructures/Test_L1B_SPH.F90
-r--r----- dat/rd           1144 2008-01-16 15:25:41 ./DataStructures/Test_L1B_US_MDS.F90
-r--r----- dat/rd           1144 2008-01-16 15:12:42 ./DataStructures/Test_L1B_WV_MDS.F90
-r--r----- dat/rd           1896 2008-01-16 15:13:51 ./DataStructures/Test_L2BC_DS_Settings.F90
-r--r----- dat/rd           2793 2008-01-16 15:19:05
./DataStructures/Test_L2BC_DataStructure.F90
-r--r----- dat/rd           2495 2008-01-16 15:19:32 ./DataStructures/Test_L2BC_SPH.F90
-r--r----- dat/rd           2215 2008-01-16 15:47:58 ./DataStructures/Test_L2B_AMD_SPH.F90
-r--r----- dat/rd           1133 2008-01-16 15:14:02
./DataStructures/Test_L2B_AuxPar_DataStructure.F90
-r--r----- dat/rd           1660 2008-01-16 15:35:07 ./DataStructures/Test_L2B_AuxPar_SPH.F90
-r--r----- dat/rd          12050 2008-01-30 12:01:11 ./DataStructures/Test_L2B_Geoloc_ADS.F90
-r--r----- dat/rd           3612 2008-01-16 15:25:00 ./DataStructures/Test_L2B_Mie_MDS.F90
-r--r----- dat/rd          28477 2008-01-16 15:49:44 ./DataStructures/Test_L2B_PCD_ADS.F90
-r--r----- dat/rd           1007 2006-05-12 19:55:55 ./DataStructures/Test_L2B_Parameters.F90
-r--r----- dat/rd           4022 2008-01-16 15:23:54
./DataStructures/Test_L2B_Proc_Settings.F90
-r--r----- dat/rd           3422 2008-01-16 15:16:32 ./DataStructures/Test_L2B_Rayleigh_MDS.F90
-r--r----- dat/rd           4137 2008-01-16 15:20:51 ./DataStructures/Test_L2C_AssimPCD_ADS.F90
-r--r----- dat/rd           3733 2008-01-16 15:16:46 ./DataStructures/Test_L2C_MieVec_MDS.F90
-r--r----- dat/rd           3833 2008-01-16 15:38:20
./DataStructures/Test_L2C_RayleighVec_MDS.F90
-r--r----- dat/rd           1591 2008-02-22 08:49:38
./DataStructures/Test_MainProductHeader.F90
-r--r----- dat/rd           1568 2008-01-16 15:13:11 ./DataStructures/Test_Meas_Map.F90
-r--r----- dat/rd           7216 2008-01-16 15:41:24
./DataStructures/Test_RBC_DataStructure.F90
-r--r----- dat/rd           1432 2008-01-16 15:49:17 ./DataStructures/Test_RBC_SPH.F90
-r--r----- dat/rd           2980 2008-01-16 15:51:15
./DataStructures/Test_Working_Datastructure.F90
-r--r----- dat/rd          28360 2008-02-25 16:07:57 ./DataStructures/amd_datastructure.F90

```

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-r--r----- dat/rd	12284 2008-01-16 15:18:30	./DataStructures/amd_geoloc_ads.F90
-r--r----- dat/rd	29646 2008-02-25 11:23:22	./DataStructures/amd_met_mds.F90
-r--r----- dat/rd	46561 2008-02-22 08:51:34	./DataStructures/auxclim_datastructure.F90
-r-xr-x--- dat/rd	21528 2008-01-16 15:18:01	./DataStructures/auxclim_sph.F90
-r--r----- dat/rd	50695 2008-01-22 12:38:51	./DataStructures/datasetdescriptor.F90
-r--r----- dat/rd	104959 2008-02-26 14:50:56	./DataStructures/ee_cfi_datatypes.F90
-r--r----- dat/rd	34130 2008-01-16 15:46:00	./DataStructures/fixedheader.F90
-r--r----- dat/rd	72497 2008-01-16 15:52:39	./DataStructures/jobborder_datastructure.F90
-r--r----- dat/rd	54951 2008-01-16 15:45:14	./DataStructures/l1b_cal_ads.F90
-r--r----- dat/rd	25273 2008-01-16 15:53:19	./DataStructures/l1b_datastructure.F90
-r--r----- dat/rd	41681 2008-01-16 15:26:40	./DataStructures/l1b_geoloc_ads.F90
-r--r----- dat/rd	23157 2008-01-22 12:39:40	./DataStructures/l1b_gwd_ads.F90
-r--r----- dat/rd	40402 2008-01-16 15:50:11	./DataStructures/l1b_meas_ads.F90
-r--r----- dat/rd	61158 2008-01-16 15:23:28	./DataStructures/l1b_pcd_ads.F90
-r--r----- dat/rd	99808 2008-02-22 08:54:00	./DataStructures/l1b_sph.F90
-r--r----- dat/rd	22908 2008-01-16 15:26:54	./DataStructures/l1b_us_mds.F90
-r--r----- dat/rd	27967 2008-02-26 14:51:21	./DataStructures/l1b_wv_mds.F90
-r--r----- dat/rd	52318 2008-01-16 15:20:37	./DataStructures/l2b_amd_sph.F90
-r--r----- dat/rd	173332 2008-01-16 15:17:05	./DataStructures/l2b_auxpar_datastructure.F90
-r--r----- dat/rd	8404 2008-01-16 15:39:09	./DataStructures/l2b_auxpar_sph.F90
-r--r----- dat/rd	48089 2008-01-16 15:16:06	./DataStructures/l2b_geoloc_ads.F90
-r--r----- dat/rd	41021 2008-01-16 15:21:13	./DataStructures/l2b_mie_mds.F90
-r--r----- dat/rd	3177 2008-01-16 15:25:58	./DataStructures/l2b_parameters.F90
-r--r----- dat/rd	251426 2008-01-16 15:25:28	./DataStructures/l2b_pcd_ads.F90
-r--r----- dat/rd	59597 2008-01-16 15:32:26	./DataStructures/l2b_proc_settings.F90
-r--r----- dat/rd	49012 2008-01-16 15:37:18	./DataStructures/l2b_rayleigh_mds.F90
-r--r----- dat/rd	72369 2008-01-18 13:04:29	./DataStructures/l2bc_datastructure.F90
-r--r----- dat/rd	8328 2008-01-16 15:17:33	./DataStructures/l2bc_ds_settings.F90
-r--r----- dat/rd	182386 2008-01-16 15:13:29	./DataStructures/l2bc_sph.F90
-r--r----- dat/rd	88369 2008-01-16 15:51:36	./DataStructures/l2c_assimpcd_ads.F90
-r--r----- dat/rd	38188 2008-01-16 15:24:44	./DataStructures/l2c_mievec_mds.F90
-r--r----- dat/rd	31441 2008-01-16 15:33:08	./DataStructures/l2c_rayleighvec_mds.F90
-r--r----- dat/rd	126949 2008-02-22 08:54:58	./DataStructures/mainproductheader.F90
-r--r----- dat/rd	21422 2008-01-16 15:15:10	./DataStructures/meas_map.F90
-r--r----- dat/rd	80734 2008-02-22 08:55:33	./DataStructures/rbc_datastructure.F90
-r--r----- dat/rd	67376 2008-01-16 15:18:15	./DataStructures/rbc_sph.F90
-r--r----- dat/rd	960 2008-01-04 08:45:25	./DataStructures/virtual_das.F90
-r--r----- dat/rd	77563 2008-01-16 15:42:25	./DataStructures/working_datastructure.F90
drwxr-x--- dat/rd	0 2008-02-29 14:51:03	./DirectBinaryIO/
-r-xr-x--- dat/rd	4025 2007-04-20 10:08:55	./DirectBinaryIO/Makefile.aeolus
-r-xr-x--- dat/rd	188 2006-05-12 19:54:40	./DirectBinaryIO/Objects.txt
-r--r----- dat/rd	12792 2008-01-16 15:55:12	./DirectBinaryIO/TestBuffering.F90
-r--r----- dat/rd	11407 2008-01-16 15:54:11	./DirectBinaryIO/TestDirectBinaryIO.F90
-r--r----- dat/rd	5448 2008-01-18 13:07:19	./DirectBinaryIO/TestUnformattedIO.F90
-r--r----- dat/rd	6454 2007-04-20 10:09:42	./DirectBinaryIO/WriteSomeNumbers.c
-r--r----- dat/rd	36878 2008-01-16 15:55:33	./DirectBinaryIO/buffering.F90
-r--r----- dat/rd	115080 2008-01-16 15:53:55	./DirectBinaryIO/directbinaryio.F90
-r--r----- dat/rd	11708 2008-01-16 15:53:33	./DirectBinaryIO/unformatteddio.F90
drwxr-x--- dat/rd	0 2008-02-29 14:51:03	./HLOS_retrieval/
-r--r----- dat/rd	6182 2007-10-05 10:11:09	./HLOS_retrieval/Makefile.aeolus
-r--r----- dat/rd	106 2006-08-31 11:03:19	./HLOS_retrieval/Objects.txt
-r--r----- dat/rd	14255 2008-01-16 16:08:16	./HLOS_retrieval/Test_HLOS_Retrieval.F90
-r--r----- dat/rd	95132 2008-01-16 16:08:31	./HLOS_retrieval/hlos_retrieval.F90
drwxr-x--- dat/rd	0 2008-02-29 14:51:04	./InputScreening/
-r--r----- dat/rd	16279 2008-02-27 11:41:58	./InputScreening/AE_TEST_AUX_PAR_2B_20060707T000000_20111231T000000_0000.EEF
-r--r----- dat/rd	5196 2007-04-10 13:13:00	./InputScreening/Makefile.aeolus

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-r--r----- dat/rd          115 2006-06-12 14:55:28 ./InputScreening/Objects.txt
-r--r----- dat/rd          5924 2008-01-16 16:10:36
./InputScreening/Test_Screening_L1B_Data.F90
-r--r----- dat/rd          68297 2008-01-16 16:10:49 ./InputScreening/screening_l1b_data.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:04 ./KVT_module/
-r-xr-x--- dat/rd          2581 2007-08-03 13:25:15 ./KVT_module/Makefile.aeolus
-r-xr-x--- dat/rd           88 2006-05-12 19:54:41 ./KVT_module/Objects.txt
-r--r----- dat/rd          4728 2008-01-16 15:04:52 ./KVT_module/TestKVT_module.F90
-r--r----- dat/rd          34580 2008-01-22 12:30:17 ./KVT_module/kvt_module.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./L1B_file_handling/
-r-xr-x--- dat/rd          3529 2008-01-25 14:58:39 ./L1B_file_handling/Makefile.aeolus
-r-xr-x--- dat/rd           117 2006-05-12 19:54:42 ./L1B_file_handling/Objects.txt
-r--r----- dat/rd          6106 2008-01-29 08:15:59 ./L1B_file_handling/TestReadL1Bdata.F90
-r--r----- dat/rd          58623 2008-02-22 08:56:44 ./L1B_file_handling/readl1bdata.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./L2BC_file_handling/
-r-xr-x--- dat/rd          4517 2006-11-24 11:53:29 ./L2BC_file_handling/Makefile.aeolus
-r-xr-x--- dat/rd           168 2008-01-22 12:31:17 ./L2BC_file_handling/Objects.txt
-r--r----- dat/rd          26001 2008-01-16 15:05:13 ./L2BC_file_handling/TestReadL2BCdata.F90
-r--r----- dat/rd          23289 2008-02-26 11:49:55 ./L2BC_file_handling/TestWriteL2BCdata.F90
-r--r----- dat/rd          55554 2008-02-22 14:46:36 ./L2BC_file_handling/readl2bcddata.F90
-r--r----- dat/rd          60459 2008-02-22 08:57:32 ./L2BC_file_handling/writel2bcddata.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./L2B_AuxPar_file_handling/
-r-xr-x--- dat/rd          4255 2007-08-03 13:25:43 ./L2B_AuxPar_file_handling/Makefile.aeolus
-r-xr-x--- dat/rd           154 2006-05-16 15:57:53 ./L2B_AuxPar_file_handling/Objects.txt
-r--r----- dat/rd          1736 2008-01-16 15:08:02
./L2B_AuxPar_file_handling/Test_Read_L2B_AuxPar_file.F90
-r--r----- dat/rd          9388 2008-01-16 15:08:14
./L2B_AuxPar_file_handling/read_l2b_auxpar_data.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./LiteTestData/
-r-xr-x--- dat/rd          5113 2007-08-03 13:26:06 ./LiteTestData/Makefile.aeolus
-r-xr-x--- dat/rd           99 2006-05-12 19:57:44 ./LiteTestData/Objects.txt
-r--r----- dat/rd          5147 2008-01-16 15:56:18 ./LiteTestData/TestLiteDataModule.F90
-r--r----- dat/rd          17743 2008-01-16 15:56:34 ./LiteTestData/litedatamodule.F90
-r-xr-x--- dat/rd          5550 2007-12-21 17:06:53 ./Makefile.aeolus
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./Match_AMD/
-r-xr-x--- dat/rd          4978 2008-02-20 13:12:28 ./Match_AMD/Makefile.aeolus
-r-xr-x--- dat/rd           90 2006-11-13 12:33:47 ./Match_AMD/Objects.txt
-r--r----- dat/rd          13324 2008-01-16 15:58:19 ./Match_AMD/Test_Match_AMD_Module.F90
-r--r----- dat/rd          19621 2008-01-16 15:58:02 ./Match_AMD/match_amd_module.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./Matlab_Tools/
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./Matlab_Tools/CREATIONDATA/
-r-xr-x--- dat/rd           878 2006-05-12 19:59:26 ./Matlab_Tools/CREATIONDATA/ConvertTime.m
-r-xr-x--- dat/rd          12626 2007-10-19 13:25:42
./Matlab_Tools/CREATIONDATA/ConvertTxtScenarioToXML.m
-r-xr-x--- dat/rd          2581 2006-05-12 19:59:30 ./Matlab_Tools/CREATIONDATA/CreateData.m
-r-xr-x--- dat/rd          1495 2006-05-12 19:59:31
./Matlab_Tools/CREATIONDATA/CreateE2SData.m
-r-xr-x--- dat/rd          3307 2006-05-12 19:59:33
./Matlab_Tools/CREATIONDATA/CreateJobOrder.m
-r-xr-x--- dat/rd          1476 2006-05-12 19:59:35
./Matlab_Tools/CREATIONDATA/CreateL1BData.m
-r-xr-x--- dat/rd          3361 2006-05-12 19:59:36
./Matlab_Tools/CREATIONDATA/CreateScenario.m
-r-xr-x--- dat/rd          4918 2006-05-12 19:59:38
./Matlab_Tools/CREATIONDATA/CreateScenarioDefFile.m
-r-xr-x--- dat/rd          9711 2006-05-12 19:59:40
./Matlab_Tools/CREATIONDATA/CreateScenarioFromAsciiData.m
-r-xr-x--- dat/rd          1925 2006-05-12 19:59:42
./Matlab_Tools/CREATIONDATA/CreateSegDefFile.m
-r-xr-x--- dat/rd           592 2006-05-12 19:59:43
./Matlab_Tools/CREATIONDATA/CreateStartTimeVector.m

```


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```

-r-xr-x--- dat/rd          627 2006-05-12 19:59:45 ./Matlab_Tools/CREATIONDATA/DefinePaths.m
-r-xr-x--- dat/rd          24713 2006-05-12 19:59:47
./Matlab_Tools/CREATIONDATA/JobOrderRef.xml
-r-xr-x--- dat/rd          3974 2006-05-12 19:59:48
./Matlab_Tools/CREATIONDATA/WriteE2SInput.m
-r-xr-x--- dat/rd          1161 2006-05-12 19:59:50 ./Matlab_Tools/CREATIONDATA/brcInSegment.m
-r--r----- dat/rd          758 2007-10-19 13:25:45
./Matlab_Tools/CREATIONDATA/convert_one_scenario_to_xml.m
-r--r----- dat/rd          1301 2007-10-19 13:25:47
./Matlab_Tools/CREATIONDATA/convert_scenarios_to_xml.m
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./Matlab_Tools/TOOLS/
-r-xr-x--- dat/rd          3254 2006-05-12 19:59:52 ./Matlab_Tools/TOOLS/CreateAuxMet.m
-r--r----- dat/rd          2693 2008-02-21 12:49:15 ./Matlab_Tools/TOOLS/Decompose_Struct.m
-r-xr-x--- dat/rd          1794 2006-05-12 19:59:53 ./Matlab_Tools/TOOLS/NoisePhotoCountL1a.m
-r-xr-x--- dat/rd          9326 2006-05-12 19:59:55 ./Matlab_Tools/TOOLS/RBCorrection.m
-r--r----- dat/rd         155109 2008-02-28 17:35:26 ./Matlab_Tools/TOOLS/ReadBinaryData.m
-r--r----- dat/rd          1315 2007-12-03 16:59:03 ./Matlab_Tools/TOOLS/ReadE2SData.m
-r-xr-x--- dat/rd          1973 2006-05-12 19:59:59 ./Matlab_Tools/TOOLS/ReadKNMIData.m
-r-xr-x--- dat/rd          15456 2006-05-12 20:00:01 ./Matlab_Tools/TOOLS/ReadL1aData.m
-r--r----- dat/rd          51378 2007-12-21 17:07:01 ./Matlab_Tools/TOOLS/ReadL2BLoop.m
-r-xr-x--- dat/rd          1127 2006-05-12 20:00:07
./Matlab_Tools/TOOLS/ResetProductCounterFile.m
-r--r----- dat/rd          1301 2007-12-03 16:59:54 ./Matlab_Tools/TOOLS/Set_PlotConfig.m
-r-xr-x--- dat/rd          4098 2006-05-12 20:00:09 ./Matlab_Tools/TOOLS/WriteKNMIData.m
-r-xr-x--- dat/rd          14641 2006-05-12 20:00:11 ./Matlab_Tools/TOOLS/WriteL1aData.m
-r--r----- dat/rd          26809 2008-02-21 12:49:04 ./Matlab_Tools/TOOLS/gui_102.m
-r--r----- dat/rd          317 2007-12-03 17:00:13 ./Matlab_Tools/TOOLS/nanmean.m
-r--r----- dat/rd          315 2007-12-03 17:00:37 ./Matlab_Tools/TOOLS/nanstd.m
-r--r----- dat/rd          558 2007-12-03 17:01:01 ./Matlab_Tools/TOOLS/print_dist.m
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./Meas_Selection_Weighting/
-r--r----- dat/rd          4230 2007-10-05 10:17:10 ./Meas_Selection_Weighting/Makefile.aeolus
-r-xr-x--- dat/rd          159 2007-10-05 10:17:14 ./Meas_Selection_Weighting/Objects.txt
-r--r----- dat/rd           95 2007-10-05 10:17:04
./Meas_Selection_Weighting/TestSelAndWeighMeasurements.F90
-r--r----- dat/rd          7966 2007-10-05 10:16:56
./Meas_Selection_Weighting/select_and_weigh_measurements.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./MieCoreProcessing/
-r--r----- dat/rd          6414 2008-01-31 10:57:08
./MieCoreProcessing/GenerateTestAccdCounts.F90
-r--r----- dat/rd          4355 2008-01-29 08:16:46 ./MieCoreProcessing/Makefile.aeolus
-r--r----- dat/rd          117 2006-05-23 14:38:43 ./MieCoreProcessing/Objects.txt
-r--r----- dat/rd          5723 2008-02-29 14:44:55 ./MieCoreProcessing/TestMieResponse.F90
-r--r----- dat/rd          26807 2008-01-18 13:11:10 ./MieCoreProcessing/mieresponse.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:05 ./MolScat/
-r-xr-x--- dat/rd          1970 2007-08-03 13:26:31 ./MolScat/Makefile.aeolus
-r-xr-x--- dat/rd           94 2006-05-12 19:56:03 ./MolScat/Objects.txt
-r--r----- dat/rd          3951 2006-10-18 18:55:19 ./MolScat/TestMolScat.F90
-r-xr-x--- dat/rd          55445 2005-11-30 18:23:42 ./MolScat/TestMolScatProfile.dat
-r--r----- dat/rd          8038 2006-10-18 18:55:48 ./MolScat/molscat.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:06 ./OpticalProperties/
-r-xr-x--- dat/rd          6269 2006-06-29 14:51:54 ./OpticalProperties/Makefile.aeolus
-r-xr-x--- dat/rd          175 2006-06-29 14:51:55 ./OpticalProperties/Objects.txt
-r--r----- dat/rd          13520 2008-01-16 16:06:52
./OpticalProperties/TestOpticalProperties.F90
-r--r----- dat/rd          2255 2008-01-16 16:07:20
./OpticalProperties/Test_LUT_RayCalib_handling.F90
-r--r----- dat/rd          17748 2008-01-16 16:07:05
./OpticalProperties/lut_raycalib_handling.F90
-r--r----- dat/rd          120118 2008-01-16 16:07:35 ./OpticalProperties/opticalproperties.F90
drwxr-x--- dat/rd           0 2008-02-29 14:51:06 ./RBC_FileHandling/
-r-xr-x--- dat/rd          4421 2006-07-21 17:37:10 ./RBC_FileHandling/Makefile.aeolus

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```

-r-xr-x--- dat/rd          158 2006-07-21 18:10:19 ./RBC_FileHandling/Objects.txt
-r--r----- dat/rd        2320 2008-01-16 15:08:36 ./RBC_FileHandling/TestReadRBCdata.F90
-r--r----- dat/rd        8032 2008-02-25 16:08:52 ./RBC_FileHandling/TestWriteRBCdata.F90
-r--r----- dat/rd       16926 2008-02-22 08:57:59 ./RBC_FileHandling/readrbcdata.F90
-r--r----- dat/rd       22489 2008-02-25 10:43:02 ./RBC_FileHandling/writerbcdata.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:06 ./RayleighBrillouinProcessing/
-r--r----- dat/rd       18465 2008-02-25 10:45:36
./RayleighBrillouinProcessing/GenerateRBCdata.F90
-r--r----- dat/rd        8834 2007-02-14 16:22:26
./RayleighBrillouinProcessing/Makefile.aeolus
-r--r----- dat/rd         228 2006-05-12 19:53:00 ./RayleighBrillouinProcessing/Objects.txt
-r--r----- dat/rd        3308 2008-01-16 15:11:55
./RayleighBrillouinProcessing/TestRayl_Br_Proc.F90
-r--r----- dat/rd        4898 2008-01-16 15:11:14
./RayleighBrillouinProcessing/Test_correction.F90
-r-xr-x--- dat/rd       16128 2007-10-16 19:39:35
./RayleighBrillouinProcessing/TransFPISR.dat
-r-xr-x--- dat/rd       16128 2007-10-16 19:39:35
./RayleighBrillouinProcessing/TransFPISR_Gauss.dat
-r--r----- dat/rd       29037 2007-10-16 19:39:35
./RayleighBrillouinProcessing/TransFPinterp.dat
-r--r----- dat/rd       29037 2007-10-16 19:39:35
./RayleighBrillouinProcessing/TransFPinterp_Gauss.dat
-r--r----- dat/rd        7947 2008-01-16 15:11:35
./RayleighBrillouinProcessing/calib_grid.F90
-r--r----- dat/rd        3299 2008-01-16 15:10:49
./RayleighBrillouinProcessing/calib_tenti.F90
-r--r----- dat/rd        4780 2008-01-16 15:09:51
./RayleighBrillouinProcessing/generaterbc_settings.F90
-r--r----- dat/rd        9436 2008-01-16 15:10:07
./RayleighBrillouinProcessing/rayleighbrillouinprocessing.F90
-r--r----- dat/rd       60376 2008-01-18 13:04:10
./RayleighBrillouinProcessing/tentispectrum.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:11 ./Scripts/
-r-xr-x--- dat/rd       13797 2008-02-25 13:58:55 ./Scripts/CheckVersionNumbers.py
-r-xr-x--- dat/rd       1366 2008-02-20 13:13:38 ./Scripts/Check_Names.sc
-r-xr-x--- dat/rd       1669 2007-11-05 14:46:39 ./Scripts/Check_Python.sc
-r-xr-x--- dat/rd       2771 2007-11-27 12:29:48 ./Scripts/Check_Python_Modules.py
-r-xr-x--- dat/rd      11894 2008-01-22 12:43:37 ./Scripts/GenerateWhoCallsWhoList.py
-r-xr-x--- dat/rd        3727 2007-10-22 17:43:22
./Scripts/Install_ThinLayerEmulator_Test.sc
-r--r----- dat/rd      50450 2008-02-26 09:04:09 ./Scripts/L2B_ReportGenerator.py
-r-xr-x--- dat/rd         493 2007-05-16 12:56:07 ./Scripts/RemoveObsoleteDirs
-r--r----- dat/rd       1032 2007-10-19 16:38:14 ./Scripts/Set_Permissions
-r-xr-x--- dat/rd       7402 2008-02-21 12:47:44 ./Scripts/Set_Systemsettings
-r--r----- dat/rd         572 2006-08-16 15:04:56 ./Scripts/build_L2BP.EXAMPLE.sc
-r--r----- dat/rd         791 2008-01-29 08:18:39 ./Scripts/build_L2BP.KNMI.sc
-r--r----- dat/rd      25075 2008-01-29 08:50:29 ./Scripts/build_L2BP.sc
-r--r----- dat/rd         753 2008-02-21 12:49:22 ./Scripts/build_L2BP_NEC_example.sc
-r-xr-x--- dat/rd      25757 2007-04-25 13:50:49 ./Scripts/copy_branch.py
-r--r----- dat/rd         927 2007-04-25 15:55:36 ./Scripts/do_aeolus_setup
-r-xr-x--- dat/rd       3846 2007-04-25 13:51:22 ./Scripts/do_linecount.sc
-r--r----- dat/rd       1140 2007-11-05 14:11:20 ./Scripts/generate_makefiles_for_local_use
-r-xr-x--- dat/rd         821 2007-02-13 13:12:14 ./Scripts/install.txt
-r-xr-x--- dat/rd       1319 2006-05-12 19:56:51 ./Scripts/remove_binary_datapack
-r--r----- dat/rd       2723 2007-04-03 12:59:19 ./Scripts/run_L2BP.sc
-r-xr-x--- dat/rd       1503 2007-08-03 13:27:02 ./Scripts/test_make_system.sc
-r--r----- dat/rd       1460 2007-04-20 10:24:42 ./Scripts/unpack_tarball
-r-xr-x--- dat/rd         281 2006-05-12 19:58:17 ./Scripts/use_f95
-r-xr-x--- dat/rd         318 2005-08-30 09:42:03 ./Scripts/use_g95
-r-xr-x--- dat/rd         854 2006-05-12 19:51:53 ./Scripts/use_gfortran

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-r-xr-x--- dat/rd          757 2006-05-12 19:51:55 ./Scripts/use_ifort
-r-xr-x--- dat/rd          300 2005-11-30 18:19:53 ./Scripts/use_pgf90
-r--r----- dat/rd          226 2006-05-12 20:02:49 ./Scripts/use_pgf90_morgana
-r-xr-x--- dat/rd        22910 2008-02-26 14:48:55 ./Set_Makeoptions
drwxr-x--- dat/rd           0 2008-02-29 14:51:28 ./Test/
drwxr-x--- dat/rd           0 2008-02-29 14:51:11 ./Test/AMD_file_handling/
-r--r----- dat/rd        7594 2007-11-14 15:57:59 ./Test/AMD_file_handling/Makefile.aeolus
-r--r----- dat/rd       355758 2008-01-10 09:43:44
./Test/AMD_file_handling/testoutput1.TestWriteAMDdata.expected
-r--r----- dat/rd        41679 2008-02-27 08:42:13
./Test/AMD_file_handling/testoutput2.TestReadAMDdata.expected
-r--r----- dat/rd        5233 2007-10-19 16:38:10
./Test/AMD_file_handling/testoutput5.ConvertKnmiAscToAMD.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:11 ./Test/Application_Client_Example/
-r--r----- dat/rd        16166 2008-02-27 11:44:08
./Test/Application_Client_Example/AE_TEST_AUX_PAR_2B_20050118T000000_20110118T000000_0018.EEF
-r--r----- dat/rd        7656 2008-02-26 15:30:30
./Test/Application_Client_Example/JobOrder.AeolusL2BP.xml
-r--r----- dat/rd        8376 2007-12-21 17:10:54
./Test/Application_Client_Example/Makefile.aeolus
-r--r----- dat/rd       1314137 2008-02-27 11:53:22
./Test/Application_Client_Example/testoutput.L2B_processor.test1.expected
-r--r----- dat/rd       1312696 2008-02-27 11:53:56
./Test/Application_Client_Example/testoutput.application_client_example.test2.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:11 ./Test/AuxClim_file_handling/
-r--r----- dat/rd        3771 2007-04-10 12:58:57
./Test/AuxClim_file_handling/Makefile.aeolus
-r--r----- dat/rd       5128250 2008-02-27 08:49:44
./Test/AuxClim_file_handling/testoutput.TestWriteAuxClimData.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:12 ./Test/BUFR_file_handling/
-r--r----- dat/rd       15436 2008-01-29 08:21:59 ./Test/BUFR_file_handling/Makefile.aeolus
-r--r----- dat/rd         635 2008-02-25 11:27:35
./Test/BUFR_file_handling/testoutput1.L1B_ee2bufr.expected
-r--r----- dat/rd       2580043 2008-01-29 08:22:44
./Test/BUFR_file_handling/testoutput11.L1B_ee2bufr.expected
-r--r----- dat/rd       492195 2008-01-29 08:23:13
./Test/BUFR_file_handling/testoutput13.TestL1B_ee2bufr.expected
-r--r----- dat/rd       550392 2007-11-16 17:27:12
./Test/BUFR_file_handling/testoutput2.L1B_ee2bufr.expected
-r--r----- dat/rd       250740 2007-11-16 17:27:26
./Test/BUFR_file_handling/testoutput3.L1B_ee2bufr.expected
-r--r----- dat/rd       492195 2007-01-24 15:26:03
./Test/BUFR_file_handling/testoutput4.TestL1B_ee2bufr.expected
-r--r----- dat/rd       492195 2007-01-24 15:27:20
./Test/BUFR_file_handling/testoutput5.TestL1B_ee2bufr.expected
-r--r----- dat/rd       63319 2008-01-25 15:01:34
./Test/BUFR_file_handling/testoutput6.L1B_ee2bufr.expected
-r--r----- dat/rd       36837 2008-01-25 15:01:06
./Test/BUFR_file_handling/testoutput7.L1B_ee2bufr.expected
-r--r----- dat/rd       492195 2008-01-25 15:01:38
./Test/BUFR_file_handling/testoutput8.TestL1B_ee2bufr.expected
-r--r----- dat/rd       492195 2008-01-25 15:01:25
./Test/BUFR_file_handling/testoutput9.TestL1B_ee2bufr.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:12 ./Test/BUFR_tables/
-r-xr-x--- dat/rd        4275 2006-09-01 12:36:01 ./Test/BUFR_tables/Makefile.aeolus
-r--r----- dat/rd         49 2006-03-10 14:53:28
./Test/BUFR_tables/testoutput.B0000000000098015001.expected
-r--r----- dat/rd         49 2006-03-08 08:07:52
./Test/BUFR_tables/testoutput.D0000000000098015001.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:12 ./Test/Classification/
-r-xr-x--- dat/rd        8875 2006-05-12 19:52:05 ./Test/Classification/Makefile.aeolus
-r--r----- dat/rd        6651 2007-09-04 15:31:34
./Test/Classification/testoutput.TestClassification.23layers_adapted_from_amd5.expected

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```

-r--r----- dat/rd          6536 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.convective_clouds_adapted_from_amd5.expected
ted
-r--r----- dat/rd          6536 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.lowcloud_adapted_from_amd5.expected
-r--r----- dat/rd          6536 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.mountains_adapted_from_amd5.expected
-r--r----- dat/rd          27853 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.scene_C_convective_clouds.expected
-r--r----- dat/rd          27853 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.scene_D_mountains.expected
-r--r----- dat/rd          20886 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.scene_H_lowcloud.expected
-r--r----- dat/rd          27853 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.scene_S_desertdust.expected
-r--r----- dat/rd          24105 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.scene_S_desertdust30.expected
-r--r----- dat/rd          27156 2007-09-04 15:31:35
./Test/Classification/testoutput.TestClassification.scene_S_desertdust_no_clouds.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:16 ./Test/DataStructures/
-r-xr-x--- dat/rd          5765 2006-11-24 11:31:53 ./Test/DataStructures/Makefile.aeolus
-r--r----- dat/rd           5 2006-10-26 15:58:06
./Test/DataStructures/testinput.Test_L2B_DS_Settings
-r--r----- dat/rd           5 2006-10-25 15:33:25
./Test/DataStructures/testinput.Test_L2B_DataStructure
-r-xr-x--- dat/rd           99 2006-08-15 14:37:27
./Test/DataStructures/testinput.Test_L2B_Proc_Settings
-r--r----- dat/rd           5 2006-10-26 15:47:40
./Test/DataStructures/testinput.Test_L2B_SPH
-r--r----- dat/rd           5 2006-10-26 15:58:09
./Test/DataStructures/testinput.Test_L2C_DS_Settings
-r--r----- dat/rd           5 2006-10-25 15:33:28
./Test/DataStructures/testinput.Test_L2C_DataStructure
-r--r----- dat/rd           5 2006-10-26 15:47:42
./Test/DataStructures/testinput.Test_L2C_SPH
-r-xr-x--- dat/rd          354 2007-10-19 16:38:10
./Test/DataStructures/testoutput.Test_AMD_DataStructure.expected
-r--r----- dat/rd          758 2008-01-10 09:44:17
./Test/DataStructures/testoutput.Test_AMD_Geoloc_ADS.expected
-r-xr-x--- dat/rd          2180 2006-08-15 14:38:45
./Test/DataStructures/testoutput.Test_AMD_Met_MDS.expected
-r--r----- dat/rd          338 2006-08-11 14:07:57
./Test/DataStructures/testoutput.Test_AuxClim_DataStructure.expected
-r--r----- dat/rd          533 2007-03-23 12:38:31
./Test/DataStructures/testoutput.Test_AuxClim_SPH.expected
-r-xr-x--- dat/rd          1551 2007-06-11 14:39:55
./Test/DataStructures/testoutput.Test_DataSetDescriptor.expected
-r-xr-x--- dat/rd          1300 2008-01-10 09:44:22
./Test/DataStructures/testoutput.Test_EE_CFI_Datatypes.expected
-r-xr-x--- dat/rd           973 2008-01-10 09:44:33
./Test/DataStructures/testoutput.Test_FixedHeader.expected
-r--r----- dat/rd          1340 2006-09-11 11:07:40
./Test/DataStructures/testoutput.Test_JobOrder_DataStructure.expected
-r-xr-x--- dat/rd          388468 2008-01-10 09:44:41
./Test/DataStructures/testoutput.Test_L1B_Cal_ADS.expected
-r-xr-x--- dat/rd           847 2008-01-10 09:44:46
./Test/DataStructures/testoutput.Test_L1B_DataStructure.expected
-r-xr-x--- dat/rd          2040 2008-01-10 09:45:22
./Test/DataStructures/testoutput.Test_L1B_GWD_ADS.expected
-r-xr-x--- dat/rd          6433 2008-01-10 09:45:26
./Test/DataStructures/testoutput.Test_L1B_Geoloc_ADS.expected
-r--r----- dat/rd          3230 2008-01-10 09:45:33
./Test/DataStructures/testoutput.Test_L1B_Meas_ADS.expected
-r-xr-x--- dat/rd          8081 2008-01-10 09:45:39
./Test/DataStructures/testoutput.Test_L1B_PCD_ADS.expected

```

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```

-r-xr-x--- dat/rd          2695 2007-06-11 14:40:21
./Test/DataStructures/testoutput.Test_L1B_SPH.expected
-r-xr-x--- dat/rd          2278 2008-01-10 09:45:44
./Test/DataStructures/testoutput.Test_L1B_US_MDS.expected
-r-xr-x--- dat/rd          2960 2008-02-26 14:51:31
./Test/DataStructures/testoutput.Test_L1B_WV_MDS.expected
-r-xr-x--- dat/rd          16420 2007-06-11 14:41:37
./Test/DataStructures/testoutput.Test_L2B_AMD_SPH.expected
-r--r----- dat/rd          522 2006-08-15 14:39:51
./Test/DataStructures/testoutput.Test_L2B_AuxPar_DataStructure.expected
-r--r----- dat/rd          600 2006-08-15 14:39:55
./Test/DataStructures/testoutput.Test_L2B_AuxPar_SPH.expected
-r--r----- dat/rd          347 2007-03-28 14:10:01
./Test/DataStructures/testoutput.Test_L2B_DS_Settings.expected
-r-xr-x--- dat/rd          371 2007-09-04 15:31:35
./Test/DataStructures/testoutput.Test_L2B_DataStructure.expected
-r-xr-x--- dat/rd          30562 2008-01-10 09:45:57
./Test/DataStructures/testoutput.Test_L2B_Geoloc_ADS.expected
-r-xr-x--- dat/rd          5772 2008-01-10 09:46:03
./Test/DataStructures/testoutput.Test_L2B_Mie_MDS.expected
-r--r----- dat/rd          44007 2007-03-23 12:39:11
./Test/DataStructures/testoutput.Test_L2B_PCD_ADS.expected
-r-xr-x--- dat/rd          593 2006-08-15 14:40:15
./Test/DataStructures/testoutput.Test_L2B_Parameters.expected
-r-xr-x--- dat/rd          16201 2008-02-27 08:55:21
./Test/DataStructures/testoutput.Test_L2B_Proc_Settings.expected
-r-xr-x--- dat/rd          7171 2008-01-10 09:46:14
./Test/DataStructures/testoutput.Test_L2B_Rayleigh_MDS.expected
-r-xr-x--- dat/rd          2685 2007-06-11 14:40:36
./Test/DataStructures/testoutput.Test_L2B_SPH.expected
-r--r----- dat/rd          15977 2007-03-23 12:40:11
./Test/DataStructures/testoutput.Test_L2C_AssimPCD_ADS.expected
-r--r----- dat/rd          347 2007-03-28 14:10:44
./Test/DataStructures/testoutput.Test_L2C_DS_Settings.expected
-r--r----- dat/rd          371 2007-09-04 15:31:36
./Test/DataStructures/testoutput.Test_L2C_DataStructure.expected
-r--r----- dat/rd          1891 2008-01-10 09:46:19
./Test/DataStructures/testoutput.Test_L2C_MieVec_MDS.expected
-r--r----- dat/rd          1874 2008-01-10 09:46:24
./Test/DataStructures/testoutput.Test_L2C_RayleighVec_MDS.expected
-r-xr-x--- dat/rd          3047 2007-06-11 14:39:11
./Test/DataStructures/testoutput.Test_L2C_SPH.expected
-r-xr-x--- dat/rd          1785 2008-01-21 15:45:34
./Test/DataStructures/testoutput.Test_MainProductHeader.expected
-r-xr-x--- dat/rd          2757 2006-08-15 14:40:43
./Test/DataStructures/testoutput.Test_Meas_Map.expected
-r--r----- dat/rd          21026 2006-08-15 14:40:46
./Test/DataStructures/testoutput.Test_RBC_DataStructure.expected
-r--r----- dat/rd          1563 2007-12-03 18:47:15
./Test/DataStructures/testoutput.Test_RBC_SPH.expected
-r--r----- dat/rd          34437 2008-01-10 09:46:36
./Test/DataStructures/testoutput.Test_Working_DataStructure.expected
drwxr-x--- dat/rd          0 2008-02-29 14:51:16 ./Test/DirectBinaryIO/
-r-xr-x--- dat/rd          6599 2006-05-12 19:52:22 ./Test/DirectBinaryIO/Makefile.aeolus
-r--r----- dat/rd          1806 2006-07-11 11:44:23
./Test/DirectBinaryIO/testoutput.TestBuffering.expected
-r-xr-x--- dat/rd          1342 2006-05-12 19:52:24
./Test/DirectBinaryIO/testoutput.TestDirectBinaryIO.expected
-r--r----- dat/rd          1941 2007-04-20 10:27:30
./Test/DirectBinaryIO/testoutput.TestUnformattedIO.expected.AIX_f90
-r--r----- dat/rd          1947 2006-05-12 20:01:37
./Test/DirectBinaryIO/testoutput.TestUnformattedIO.expected.LINUX_g95
-r--r----- dat/rd          2349 2007-02-13 15:56:12
./Test/DirectBinaryIO/testoutput.TestUnformattedIO.expected.LINUX_gfortran
-r--r----- dat/rd          2356 2007-02-13 15:56:22
./Test/DirectBinaryIO/testoutput.TestUnformattedIO.expected.LINUX_ifort

```

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```

-r--r----- dat/rd          2411 2006-05-12 20:01:35
./Test/DirectBinaryIO/testoutput.TestUnformattedIO.expected.LINUX_pgf90
-r-xr-x--- dat/rd           746 2007-04-20 10:27:18
./Test/DirectBinaryIO/testoutput.WriteSomeNumbers.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:17 ./Test/HLOS_retrieval/
-r--r----- dat/rd          3205 2006-08-31 15:09:09 ./Test/HLOS_retrieval/Makefile.aeolus
-r--r----- dat/rd          27385 2007-09-04 15:31:36
./Test/HLOS_retrieval/testoutput.Test_HLOS_Retrieval.scene_S_desertdust_no_clouds.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:17 ./Test/InputScreening/
-r--r----- dat/rd          2854 2008-02-27 14:09:14 ./Test/InputScreening/Makefile.aeolus
-r--r----- dat/rd          120 2006-11-21 17:33:57
./Test/InputScreening/testinput.Test_Screening_L1B_Data
-r--r----- dat/rd          706765 2007-11-16 18:03:15
./Test/InputScreening/testoutput.Test_Screening_L1B_Data.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:17 ./Test/KVT_module/
-r-xr-x--- dat/rd           2608 2006-05-12 19:52:20 ./Test/KVT_module/Makefile.aeolus
-r-xr-x--- dat/rd           107 2005-08-30 09:42:26
./Test/KVT_module/kvt_test_file.bin.expected
-r-xr-x--- dat/rd           391 2005-08-30 09:40:43
./Test/KVT_module/testoutput.TestKVT_module.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:17 ./Test/L1B_file_handling/
-r-xr-x--- dat/rd           9511 2008-01-29 08:23:44 ./Test/L1B_file_handling/Makefile.aeolus
-r-xr-x--- dat/rd           414 2008-01-25 15:02:37
./Test/L1B_file_handling/testoutput1.TestReadL1Bdata.expected
-r-xr-x--- dat/rd          191137 2007-11-16 18:06:48
./Test/L1B_file_handling/testoutput2.TestReadL1Bdata.expected
-r-xr-x--- dat/rd           72559 2007-11-16 18:06:54
./Test/L1B_file_handling/testoutput3.TestReadL1Bdata.expected
-r--r----- dat/rd           6896 2008-01-25 15:03:18
./Test/L1B_file_handling/testoutput4.TestReadL1Bdata.expected
-r--r----- dat/rd           6596 2008-01-29 08:24:00
./Test/L1B_file_handling/testoutput5.TestReadL1Bdata.expected
-r--r----- dat/rd           89801 2008-01-29 08:24:27
./Test/L1B_file_handling/testoutput7.TestReadL1Bdata.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:19 ./Test/L2BC_file_handling/
-r--r----- dat/rd          1259004 2008-02-27 09:02:50
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0002.TXT.expected
d
-r--r----- dat/rd          594470 2008-02-27 09:03:58
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0003.TXT.expected
d
-r--r----- dat/rd          11482 2008-02-27 09:04:04
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0004.TXT.expected
d
-r--r----- dat/rd          1722144 2008-02-27 09:09:14
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0002.TXT.expected
d
-r--r----- dat/rd           601212 2008-02-27 09:09:09
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0003.TXT.expected
d
-r--r----- dat/rd           15682 2008-02-27 09:09:03
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0004.TXT.expected
d
-r-xr-x--- dat/rd           24995 2007-06-13 14:13:07 ./Test/L2BC_file_handling/Makefile.aeolus
-r-xr-x--- dat/rd           4952 2007-10-11 13:37:24
./Test/L2BC_file_handling/testoutput1.TestWriteL2Bdata.expected
-r-xr-x--- dat/rd           7916 2007-10-11 13:38:05
./Test/L2BC_file_handling/testoutput1.TestWriteL2Cdata.expected
-r--r----- dat/rd           2488 2007-09-04 15:31:36
./Test/L2BC_file_handling/testoutput1_E.TestWriteL2Bdata.expected
-r--r----- dat/rd           3028 2007-09-04 15:31:36
./Test/L2BC_file_handling/testoutput1_E.TestWriteL2Cdata.expected
-r--r----- dat/rd           4164 2007-10-11 13:38:36
./Test/L2BC_file_handling/testoutput1_Z.TestWriteL2Bdata.expected
-r--r----- dat/rd           5636 2007-10-11 13:39:18
./Test/L2BC_file_handling/testoutput1_Z.TestWriteL2Cdata.expected

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-r-xr-x--- dat/rd          22678 2008-02-27 08:58:30
./Test/L2BC_file_handling/testoutput2.TestReadL2Bdata.expected
-r-xr-x--- dat/rd          31015 2008-02-27 09:06:30
./Test/L2BC_file_handling/testoutput2.TestReadL2Cdata.expected
-r--r----- dat/rd          20208 2008-02-27 09:00:37
./Test/L2BC_file_handling/testoutput2_E.TestReadL2Bdata.expected
-r--r----- dat/rd          25977 2008-02-27 09:06:19
./Test/L2BC_file_handling/testoutput2_E.TestReadL2Cdata.expected
-r--r----- dat/rd          21688 2008-02-27 09:00:32
./Test/L2BC_file_handling/testoutput2_Z.TestReadL2Bdata.expected
-r--r----- dat/rd          28289 2008-02-27 09:06:25
./Test/L2BC_file_handling/testoutput2_Z.TestReadL2Cdata.expected
-r--r----- dat/rd          4040 2008-01-10 09:48:44
./Test/L2BC_file_handling/testoutput3.Write_L2B_Text_Product.expected
-r--r----- dat/rd          6760 2008-01-10 09:48:51
./Test/L2BC_file_handling/testoutput3.Write_L2C_Text_Product.expected
-r--r----- dat/rd          1713 2007-03-23 12:45:09
./Test/L2BC_file_handling/testoutput3_E.Write_L2B_Text_Product.expected
-r--r----- dat/rd          2284 2007-03-23 12:47:14
./Test/L2BC_file_handling/testoutput3_E.Write_L2C_Text_Product.expected
-r--r----- dat/rd          3050 2008-01-10 09:49:01
./Test/L2BC_file_handling/testoutput3_Z.Write_L2B_Text_Product.expected
-r--r----- dat/rd          4453 2008-01-10 09:49:10
./Test/L2BC_file_handling/testoutput3_Z.Write_L2C_Text_Product.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:19 ./Test/L2B_AuxPar_file_handling/
-r--r----- dat/rd          2854 2006-07-31 14:46:51
./Test/L2B_AuxPar_file_handling/Makefile.aeolus
-r--r----- dat/rd          17436 2008-02-27 11:54:49
./Test/L2B_AuxPar_file_handling/testoutput1.Test_Read_L2B_AuxPar_file.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:19 ./Test/LiteTestData/
-r-xr-x--- dat/rd          3284 2006-05-12 19:57:54 ./Test/LiteTestData/Makefile.aeolus
-r-xr-x--- dat/rd          4144 2006-11-07 08:44:44
./Test/LiteTestData/testoutput1.TestLiteDataModule.expected
-r-xr-x--- dat/rd          4144 2006-11-07 08:45:06
./Test/LiteTestData/testoutput2.TestLiteDataModule.expected
-r-xr-x--- dat/rd          5410 2007-03-23 12:54:05 ./Test/Makefile.TestOneExecutable
-r-xr-x--- dat/rd          3093 2007-04-25 13:52:23 ./Test/Makefile.aeolus
drwxr-x--- dat/rd           0 2008-02-29 14:51:19 ./Test/Match_AMD/
-r--r----- dat/rd          15949 2008-02-27 11:45:00
./Test/Match_AMD/AE_TEST_AUX_PAR_2B_20050101T000000_20110101T000000_0001.EEF
-r--r----- dat/rd          15950 2008-02-27 11:45:04
./Test/Match_AMD/AE_TEST_AUX_PAR_2B_20050102T000000_20110102T000000_0002.EEF
-r--r----- dat/rd          15940 2008-02-27 11:45:08
./Test/Match_AMD/AE_TEST_AUX_PAR_2B_20050103T000000_20110103T000000_0003.EEF
-r--r----- dat/rd          7296 2008-02-26 15:31:49 ./Test/Match_AMD/JobOrder.test01.xml
-r--r----- dat/rd          7285 2008-02-26 15:31:51 ./Test/Match_AMD/JobOrder.test02.xml
-r--r----- dat/rd          7285 2008-02-26 15:31:53 ./Test/Match_AMD/JobOrder.test03.xml
-r-xr-x--- dat/rd          7310 2008-02-26 14:55:13 ./Test/Match_AMD/Makefile.aeolus
-r--r----- dat/rd          486945 2008-02-27 11:57:05
./Test/Match_AMD/testoutput1.Test_Match_AMD_Module.expected
-r--r----- dat/rd          486957 2008-02-27 11:57:09
./Test/Match_AMD/testoutput2.Test_Match_AMD_Module.expected
-r--r----- dat/rd          488261 2008-02-27 11:57:14
./Test/Match_AMD/testoutput3.Test_Match_AMD_Module.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:19 ./Test/MieCoreProcessing/
-r--r----- dat/rd          3890 2008-01-29 08:24:52 ./Test/MieCoreProcessing/Makefile.aeolus
-r--r----- dat/rd           146 2008-01-29 08:34:25 ./Test/MieCoreProcessing/TestCase2.dat
-r--r----- dat/rd           143 2008-01-29 08:34:28 ./Test/MieCoreProcessing/TestCase3.dat
-r--r----- dat/rd           146 2008-01-29 08:34:32 ./Test/MieCoreProcessing/TestCase4.dat
-r--r----- dat/rd           156 2008-01-29 08:34:36 ./Test/MieCoreProcessing/TestCase5.dat
-r--r----- dat/rd           156 2008-01-29 08:34:40 ./Test/MieCoreProcessing/TestCase6.dat
-r--r----- dat/rd          23870 2008-01-21 08:20:28
./Test/MieCoreProcessing/testoutput1.TestMieResponse.expected

```

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-r--r----- dat/rd          23584 2008-01-29 08:26:26
./Test/MieCoreProcessing/testoutput2.TestMieResponse.expected
-r--r----- dat/rd          23584 2008-01-29 08:26:28
./Test/MieCoreProcessing/testoutput3.TestMieResponse.expected
-r--r----- dat/rd          23584 2008-01-29 08:26:29
./Test/MieCoreProcessing/testoutput4.TestMieResponse.expected
-r--r----- dat/rd          23584 2008-01-29 08:26:30
./Test/MieCoreProcessing/testoutput5.TestMieResponse.expected
-r--r----- dat/rd          23584 2008-01-29 08:26:31
./Test/MieCoreProcessing/testoutput6.TestMieResponse.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:19 ./Test/MolScat/
-r-xr-x--- dat/rd          2495 2005-11-30 18:23:52 ./Test/MolScat/Makefile.aeolus
-r-xr-x--- dat/rd           232 2005-11-30 18:24:05
./Test/MolScat/testoutput.TestMolScat.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:21 ./Test/OpticalProperties/
-r-xr-x--- dat/rd          5033 2006-05-12 19:57:56 ./Test/OpticalProperties/Makefile.aeolus
-r-xr-x--- dat/rd          2497 2007-09-04 15:31:39
./Test/OpticalProperties/testoutput1.TestOpticalProperties.Combine.expected
-r-xr-x--- dat/rd          2497 2007-09-04 15:31:39
./Test/OpticalProperties/testoutput1.TestOpticalProperties.LlB.expected
-r-xr-x--- dat/rd          2501 2007-09-04 15:31:40
./Test/OpticalProperties/testoutput1.TestOpticalProperties.MieRayl.expected
-r-xr-x--- dat/rd          10705 2007-09-04 15:31:40
./Test/OpticalProperties/testoutput2.TestOpticalProperties.Combine.expected
-r-xr-x--- dat/rd          10705 2007-09-04 15:31:40
./Test/OpticalProperties/testoutput2.TestOpticalProperties.LlB.expected
-r-xr-x--- dat/rd          10709 2007-09-04 15:31:40
./Test/OpticalProperties/testoutput2.TestOpticalProperties.MieRayl.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:21 ./Test/RBC_FileHandling/
-r-xr-x--- dat/rd         13235 2007-10-16 19:39:36 ./Test/RBC_FileHandling/Makefile.aeolus
-r--r----- dat/rd          1100 2007-11-16 19:37:00
./Test/RBC_FileHandling/testoutput1.TestWriteRBCdata.expected
-r--r----- dat/rd          27718 2008-02-27 10:54:55
./Test/RBC_FileHandling/testoutput2.TestReadRBCdata.expected
-r-xr-x--- dat/rd          1267 2007-11-16 19:39:20
./Test/RBC_FileHandling/testoutput5.GenerateRBCdata.expected
-r--r----- dat/rd          1279 2007-11-16 19:39:41
./Test/RBC_FileHandling/testoutput8.GenerateRBCdata.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/RayleighBrillouinProcessing/
-r--r----- dat/rd          5163 2007-10-16 19:39:36
./Test/RayleighBrillouinProcessing/Makefile.aeolus
-r-xr-x--- dat/rd          2145 2007-10-22 17:27:35
./Test/RayleighBrillouinProcessing/testoutput.TestRayl_Br_Proc.x.expected
-r--r----- dat/rd          1388 2006-05-12 19:52:59
./Test/RayleighBrillouinProcessing/testoutput.Test_correction.x.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/Scripts/
-r--r----- dat/rd          123 2008-02-20 13:15:53 ./Test/Scripts/07011.LIST.expected
-r--r----- dat/rd           64 2008-02-20 13:29:03 ./Test/Scripts/07011.LIST.orig
-r--r----- dat/rd          8826 2008-02-27 08:28:11
./Test/Scripts/AE_RPRO_ALD_REP_2B_XXXXXXXXTXXXXXX_0001.EEF.expected
-r--r----- dat/rd          18770 2008-02-26 09:06:09
./Test/Scripts/AE_TEST_RP_PRO_2A_20071010T080005_20071010T092941_0001.EEF.expected
-r--r----- dat/rd           22 2007-04-03 13:56:05
./Test/Scripts/DefaultProduct.LIST.expected
-r--r----- dat/rd           8747 2008-02-26 09:05:45
./Test/Scripts/DefaultProduct.REPORT.expected
-r--r----- dat/rd          7768 2008-02-20 13:16:28 ./Test/Scripts/JobOrder.07011.xml
-r-xr-x--- dat/rd          2923 2008-02-26 15:33:17
./Test/Scripts/JobOrder.TestReportGenerator.xml
-r-xr-x--- dat/rd          11487 2008-02-26 14:51:46 ./Test/Scripts/Makefile.aeolus
-r--r----- dat/rd           60 2008-02-20 13:17:59
./Test/Scripts/TestReportGenerator.LIST.expected
-r--r----- dat/rd          4663 2008-02-20 13:28:54 ./Test/Scripts/l2ap_07011.log
-r-xr-x--- dat/rd           744 2008-02-20 13:18:18 ./Test/Scripts/simplify_ReportFileName

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```

-r--r----- dat/rd          7060 2007-03-23 13:20:11 ./Test/Scripts/testlog.log
-r--r----- dat/rd          51 2007-02-28 17:43:12
./Test/Scripts/testoutput1.Check_Names.sc.expected
-r--r----- dat/rd          191 2007-04-20 10:29:59
./Test/Scripts/testoutput2.Check_Python.sc.expected
-r--r----- dat/rd          373 2008-02-20 13:18:41
./Test/Scripts/testoutput3.L2B_ReportGenerator.py.expected
-r--r----- dat/rd          457 2008-02-20 13:19:00
./Test/Scripts/testoutput4.L2B_ReportGenerator.py.expected
-r--r----- dat/rd          852 2007-04-25 13:53:21
./Test/Scripts/testoutput5.unpack_tarball.expected
-r--r----- dat/rd          1037 2008-02-27 08:36:37
./Test/Scripts/testoutput6.CheckVersionNumbers.py.expected
-r--r----- dat/rd          445 2008-02-20 13:19:34
./Test/Scripts/testoutput7.L2B_ReportGenerator.py.expected
-r-xr-x--- dat/rd           2063 2005-11-30 18:19:46 ./Test/Set_TestMakeoptions
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/ThinLayer/
-r-xr-x--- dat/rd           2746 2007-04-20 10:30:21 ./Test/ThinLayer/Makefile.aeolus
-r-xr-x--- dat/rd           1125 2006-05-12 20:02:42
./Test/ThinLayer/testoutput.TestLogging.expected.obsolete
-r-xr-x--- dat/rd           5337 2008-02-27 09:23:17
./Test/ThinLayer/testoutput.TestReadJobOrderData.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/Tools/
-r-xr-x--- dat/rd           7602 2008-02-26 14:50:09 ./Test/Tools/Makefile.aeolus
-r-xr-x--- dat/rd           100 2005-11-30 18:21:46 ./Test/Tools/testoutput1.difftool.expected
-r-xr-x--- dat/rd           753 2006-07-31 15:07:25 ./Test/Tools/testoutput2.difftool.expected
-r-xr-x--- dat/rd           237 2008-02-26 14:50:19 ./Test/Tools/testoutput3.difftool.expected
-r-xr-x--- dat/rd           43 2006-05-12 19:58:27 ./Test/Tools/testoutput4.difftool.expected
-r--r----- dat/rd           707 2007-02-13 13:16:37 ./Test/Tools/testoutput5.difftool.expected
-r--r----- dat/rd           43 2007-02-13 13:16:42 ./Test/Tools/testoutput6.difftool.expected
-r--r----- dat/rd           892 2007-02-13 13:16:30 ./Test/Tools/testoutput7.difftool.expected
-r--r----- dat/rd           104 2008-02-26 14:55:37 ./Test/Tools/testoutput8.difftool.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/auxiliary/
-r-xr-x--- dat/rd           3710 2007-04-17 17:59:48 ./Test/auxiliary/Makefile.aeolus
-r--r----- dat/rd           1535 2007-08-10 09:08:56
./Test/auxiliary/testoutput.TestAuxiliaryModule.expected
-r--r----- dat/rd           461 2005-11-30 18:17:46
./Test/auxiliary/testoutput.TestDummyAuxiliaryModule.expected
-r-xr-x--- dat/rd           980 2007-04-25 13:54:28 ./Test/check_datafile_exists
-r-xr-x--- dat/rd           977 2007-04-25 13:54:49 ./Test/check_executable_exists
-r-xr-x--- dat/rd           1380 2007-04-25 13:55:21 ./Test/check_exists
-r-xr-x--- dat/rd           3390 2007-11-05 14:47:14 ./Test/compare_result
-r--r----- dat/rd           5108 2007-11-05 14:47:41 ./Test/compare_result_hexdump
-r-xr-x--- dat/rd           4982 2008-02-26 14:49:44 ./Test/compare_result_reals
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/ee_cfi_software/
-r-xr-x--- dat/rd           3106 2007-04-20 10:31:03 ./Test/ee_cfi_software/Makefile.aeolus
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/ee_cfi_wrapper_module/
-r-xr-x--- dat/rd           5703 2007-04-20 10:31:42
./Test/ee_cfi_wrapper_module/Makefile.aeolus
-r-xr-x--- dat/rd           1550 2008-01-30 12:03:11
./Test/ee_cfi_wrapper_module/simple_testdata_written.xml.expected
-r-xr-x--- dat/rd           1711 2008-01-30 12:03:26
./Test/ee_cfi_wrapper_module/simple_testdata_written2.xml.expected
-r-xr-x--- dat/rd           1232 2007-11-07 09:55:33
./Test/ee_cfi_wrapper_module/test.xml.expected
-r-xr-x--- dat/rd           3134 2005-08-30 09:42:37
./Test/ee_cfi_wrapper_module/testoutput.simple_read_test.expected
-r-xr-x--- dat/rd           908 2006-05-12 19:52:31
./Test/ee_cfi_wrapper_module/testoutput.simple_write_test.expected
-r-xr-x--- dat/rd           4100 2007-11-06 16:34:23
./Test/ee_cfi_wrapper_module/testoutput.test_ee_xml.expected
drwxr-x--- dat/rd           0 2008-02-29 14:51:22 ./Test/input_rpt/

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```

-r-xr-x--- dat/rd          2980 2005-11-30 18:20:23 ./Test/input_rpt/Makefile.aeolus
drwxr-x--- dat/rd          0 2008-02-29 14:51:28 ./Test/main/
-r--r----- dat/rd        2602408 2008-02-27 12:08:45
./Test/main/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0001.TXT.test01.expected
-r--r----- dat/rd        16353 2008-02-27 11:46:50
./Test/main/AE_TEST_AUX_PAR_2B_20050101T000000_20110101T000000_0001.EEF
-r--r----- dat/rd        16353 2008-02-27 11:46:54
./Test/main/AE_TEST_AUX_PAR_2B_20050102T000000_20110102T000000_0002.EEF
-r--r----- dat/rd        16353 2008-02-27 11:46:59
./Test/main/AE_TEST_AUX_PAR_2B_20050103T000000_20110103T000000_0003.EEF
-r--r----- dat/rd        16353 2008-02-27 11:47:03
./Test/main/AE_TEST_AUX_PAR_2B_20050104T000000_20110104T000000_0004.EEF
-r--r----- dat/rd        16353 2008-02-27 11:47:07
./Test/main/AE_TEST_AUX_PAR_2B_20050105T000000_20110105T000000_0005.EEF
-r--r----- dat/rd        16353 2008-02-27 11:47:11
./Test/main/AE_TEST_AUX_PAR_2B_20050106T000000_20110106T000000_0006.EEF
-r--r----- dat/rd        16353 2008-02-27 11:48:50
./Test/main/AE_TEST_AUX_PAR_2B_20050107T000000_20110107T000000_0007.EEF
-r--r----- dat/rd        16353 2008-02-27 11:48:54
./Test/main/AE_TEST_AUX_PAR_2B_20050108T000000_20110108T000000_0008.EEF
-r--r----- dat/rd        16353 2008-02-27 11:48:58
./Test/main/AE_TEST_AUX_PAR_2B_20050109T000000_20110109T000000_0009.EEF
-r--r----- dat/rd        16344 2008-02-27 11:49:02
./Test/main/AE_TEST_AUX_PAR_2B_20050110T000000_20110110T000000_0010.EEF
-r--r----- dat/rd        16340 2008-02-27 11:49:06
./Test/main/AE_TEST_AUX_PAR_2B_20050111T000000_20110111T000000_0011.EEF
-r--r----- dat/rd        16340 2008-02-27 11:49:10
./Test/main/AE_TEST_AUX_PAR_2B_20050112T000000_20110112T000000_0012.EEF
-r--r----- dat/rd        16340 2008-02-27 11:50:36
./Test/main/AE_TEST_AUX_PAR_2B_20050113T000000_20110113T000000_0013.EEF
-r--r----- dat/rd        16354 2008-02-27 11:50:40
./Test/main/AE_TEST_AUX_PAR_2B_20050114T000000_20110114T000000_0014.EEF
-r--r----- dat/rd        16104 2008-02-27 11:50:45
./Test/main/AE_TEST_AUX_PAR_2B_20050115T000000_20110115T000000_0015.EEF
-r--r----- dat/rd        16028 2008-02-27 11:50:49
./Test/main/AE_TEST_AUX_PAR_2B_20050116T000000_20110116T000000_0016.EEF
-r--r----- dat/rd        16030 2008-02-27 11:50:53
./Test/main/AE_TEST_AUX_PAR_2B_20050117T000000_20110117T000000_0017.EEF
-r--r----- dat/rd        16166 2008-02-27 11:50:56
./Test/main/AE_TEST_AUX_PAR_2B_20050118T000000_20110118T000000_0018.EEF
-r--r----- dat/rd        16102 2008-02-27 11:51:03
./Test/main/AE_TEST_AUX_PAR_2B_20050120T000000_20110120T000000_0020.EEF
-r--r----- dat/rd        7622 2008-02-26 15:34:37 ./Test/main/JobOrder.test01.xml
-r--r----- dat/rd        7622 2008-02-26 15:34:39 ./Test/main/JobOrder.test02.xml
-r--r----- dat/rd        7622 2008-02-26 15:34:41 ./Test/main/JobOrder.test03.xml
-r--r----- dat/rd        7622 2008-02-26 15:34:42 ./Test/main/JobOrder.test04.xml
-r--r----- dat/rd        7622 2008-02-26 15:34:44 ./Test/main/JobOrder.test05.xml
-r--r----- dat/rd        7622 2008-02-26 15:35:02 ./Test/main/JobOrder.test06.xml
-r--r----- dat/rd        7622 2008-02-26 15:35:04 ./Test/main/JobOrder.test07.xml
-r--r----- dat/rd        7621 2008-02-26 15:35:06 ./Test/main/JobOrder.test08.xml
-r--r----- dat/rd        7622 2008-02-26 15:35:08 ./Test/main/JobOrder.test09.xml
-r--r----- dat/rd        7623 2008-02-26 15:35:10 ./Test/main/JobOrder.test10.xml
-r--r----- dat/rd        7623 2008-02-26 15:36:01 ./Test/main/JobOrder.test11.xml
-r-xr-x--- dat/rd        7623 2008-02-26 15:36:03 ./Test/main/JobOrder.test12.xml
-r--r----- dat/rd        7324 2008-02-26 15:36:05 ./Test/main/JobOrder.test13.xml
-r--r----- dat/rd        7623 2008-02-26 15:36:41 ./Test/main/JobOrder.test14.xml
-r--r----- dat/rd        7568 2008-02-26 15:36:43 ./Test/main/JobOrder.test15.xml
-r--r----- dat/rd        7623 2008-02-26 15:36:45 ./Test/main/JobOrder.test16.xml
-r--r----- dat/rd        7623 2008-02-26 15:36:46 ./Test/main/JobOrder.test17.xml
-r--r----- dat/rd        7575 2008-02-26 15:36:48 ./Test/main/JobOrder.test18.xml
-r--r----- dat/rd        8018 2008-02-26 15:36:50 ./Test/main/JobOrder.test19.xml
-r--r----- dat/rd        7313 2008-02-26 15:36:52 ./Test/main/JobOrder.test20.xml
-r-xr-x--- dat/rd        51086 2008-01-25 15:04:45 ./Test/main/Makefile.aeolus

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-r-xr-x--- dat/rd          227 2006-11-21 16:10:48 ./Test/main/NWPmetaData.body.expected
-r-xr-x--- dat/rd          279 2006-11-21 16:10:09 ./Test/main/NWPmetaData.hdr.expected
-r--r----- dat/rd        9668 2008-01-22 12:50:12
./Test/main/testoutput.Dummy_L2C_processor.JobOrderTest_using_L1B_data_no_clouds.expected
-r--r----- dat/rd       255159 2008-02-27 11:58:46
./Test/main/testoutput.L2B_processor.23layers_adapted_from_amd5.expected
-r--r----- dat/rd       985101 2008-02-27 12:05:01
./Test/main/testoutput.L2B_processor.2AMD_files.expected
-r--r----- dat/rd       803909 2008-02-27 12:04:15
./Test/main/testoutput.L2B_processor.BackscatRatio_Classification.expected
-r--r----- dat/rd      1314121 2008-02-27 12:04:49
./Test/main/testoutput.L2B_processor.CloudLayers_BackscatRatio_Classification.expected
-r--r----- dat/rd       800638 2008-02-27 12:05:09
./Test/main/testoutput.L2B_processor.Extinction_Classification.expected
-r-xr-x--- dat/rd       803896 2008-02-27 12:01:53
./Test/main/testoutput.L2B_processor.JobOrderTest_using_L1B_data_no_clouds.expected
-r--r----- dat/rd       523530 2008-02-27 12:04:25
./Test/main/testoutput.L2B_processor.Test_TimeInterval.expected
-r--r----- dat/rd       235089 2008-02-27 12:04:31
./Test/main/testoutput.L2B_processor.Test_TimeInterval_NoData.expected
-r-xr-x--- dat/rd         5887 2008-02-27 09:38:32
./Test/main/testoutput.L2B_processor.cmdline_option_test.expected
-r--r----- dat/rd       298924 2008-02-27 11:59:02
./Test/main/testoutput.L2B_processor.convective_clouds_adapted_from_amd5.expected
-r--r----- dat/rd       255122 2008-02-27 11:59:11
./Test/main/testoutput.L2B_processor.lowcloud_adapted_from_amd5.expected
-r--r----- dat/rd       287794 2008-02-27 11:59:21
./Test/main/testoutput.L2B_processor.mountains_adapted_from_amd5.expected
-r-xr-x--- dat/rd         30281 2008-02-27 12:04:06
./Test/main/testoutput.L2B_processor.preprocess_test.expected
-r--r----- dat/rd       587559 2008-02-27 11:59:32
./Test/main/testoutput.L2B_processor.scene_C_convective_clouds.expected
-r--r----- dat/rd       547615 2008-02-27 11:59:40
./Test/main/testoutput.L2B_processor.scene_D_mountains.expected
-r--r----- dat/rd       532291 2008-02-27 11:59:47
./Test/main/testoutput.L2B_processor.scene_H_lowcloud.expected
-r--r----- dat/rd       532291 2008-02-27 12:01:20
./Test/main/testoutput.L2B_processor.scene_S_desertdust.expected
-r-xr-x--- dat/rd       319698 2008-02-27 12:01:27
./Test/main/testoutput.L2B_processor.scene_S_desertdust30.expected
-r-xr-x--- dat/rd       545692 2008-02-27 12:01:35
./Test/main/testoutput.L2B_processor.scene_S_desertdust_no_clouds.expected
-r-xr-x--- dat/rd       803896 2008-02-27 12:01:44
./Test/main/testoutput.L2B_processor.using_L1B_data_no_clouds.expected
drwxr-x--- dat/rd          0 2008-02-29 14:51:28 ./Test/simple_xml/
-r-xr-x--- dat/rd         2870 2007-11-16 18:43:27
./Test/simple_xml/CS_TEST_MPL_ORBREF_20040701T092917_99999999T999999_0001.expected
-r-xr-x--- dat/rd         3282 2006-05-12 19:51:30 ./Test/simple_xml/Makefile.aeolus
-r-xr-x--- dat/rd         2732 2007-11-16 18:45:05
./Test/simple_xml/parsing_result.xml.expected
-r-xr-x--- dat/rd         476 2006-05-12 19:51:32
./Test/simple_xml/testoutput.TestSimpleXML.expected
-r-xr-x--- dat/rd         660 2007-11-13 13:55:02 ./Test/simplify_logging_lines
-r-xr-x--- dat/rd          2 2006-05-12 20:02:44 ./Test/space.dat
drwxr-x--- dat/rd          0 2008-02-29 14:51:28 ./Test/src_ecmwf/
-r-xr-x--- dat/rd        1408 2006-05-12 19:51:34 ./Test/src_ecmwf/Makefile.aeolus
drwxr-x--- dat/rd          0 2008-02-29 14:51:28 ./Test/support/
-r-xr-x--- dat/rd       12616 2007-03-23 11:48:40 ./Test/support/Makefile.aeolus
-r-xr-x--- dat/rd          59 2005-11-30 18:23:54
./Test/support/testinput.TestCompiler_Features
-r-xr-x--- dat/rd         586 2008-02-27 08:38:55
./Test/support/testoutput.TestAeolusConstants.expected
-r-xr-x--- dat/rd        4307 2006-07-31 15:08:14
./Test/support/testoutput.TestArraytools.expected

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-r-xr-x--- dat/rd          684 2006-11-24 11:38:05
./Test/support/testoutput.TestCompiler_Features.expected
-r-xr-x--- dat/rd          891 2007-03-23 11:49:07
./Test/support/testoutput.TestDateTimeMod.expected
-r-xr-x--- dat/rd          661 2005-08-30 09:41:45
./Test/support/testoutput.TestErrorHandler.expected
-r-xr-x--- dat/rd          1435 2007-10-22 17:31:53
./Test/support/testoutput.TestInterpl.expected
-r--r----- dat/rd          1478 2006-11-24 11:39:52
./Test/support/testoutput.TestLatLonHandling.expected
-r-xr-x--- dat/rd          1752 2007-02-20 13:58:01
./Test/support/testoutput.TestLogging.expected
-r-xr-x--- dat/rd          1887 2007-04-20 10:33:17
./Test/support/testoutput.TestLunManager.expected.AIX_f90
-r-xr-x--- dat/rd          1537 2007-03-23 11:49:43
./Test/support/testoutput.TestLunManager.expected.LINUX_f95
-r-xr-x--- dat/rd          1887 2007-04-20 10:33:35
./Test/support/testoutput.TestLunManager.expected.LINUX_g95
-r-xr-x--- dat/rd          2366 2007-10-02 16:19:49
./Test/support/testoutput.TestLunManager.expected.LINUX_gfortran
-r-xr-x--- dat/rd          2379 2007-04-20 10:34:24
./Test/support/testoutput.TestLunManager.expected.LINUX_ifort
-r-xr-x--- dat/rd          2375 2007-04-20 10:34:41
./Test/support/testoutput.TestLunManager.expected.LINUX_pgf90
-r-xr-x--- dat/rd          2503 2008-01-16 16:11:58
./Test/support/testoutput.TestNumerics.expected
-r--r----- dat/rd          8844 2008-01-16 16:11:38
./Test/support/testoutput.TestProfileInterpolate.expected
-r--r----- dat/rd          1741 2007-11-06 16:20:07
./Test/support/testoutput.TestStringTools.expected
-r-xr-x--- dat/rd          484 2005-11-30 18:19:44
./Test/support/testoutput.TestVerbosityControl.expected
-r-xr-x--- dat/rd          245 2008-01-16 16:11:24
./Test/support/testoutput.test_c_support.expected
drwxr-x--- dat/rd          0 2008-02-29 14:51:28 ./ThinLayer/
-r--r----- dat/rd          1772 2008-02-20 11:32:10
./ThinLayer/AE_TEST_AUX_CFG_2B_20050331T000000_20111231T000000_0000.EEF
-r--r----- dat/rd          16272 2008-02-27 11:43:07
./ThinLayer/AE_TEST_AUX_PAR_2B_20050331T000000_20111231T000000_0000.EEF
-r--r----- dat/rd          6653 2008-02-27 11:43:12
./ThinLayer/AE_TEST_AUX_PAR_2C_20050331T000000_20111231T000000_0000.EEF
-r--r----- dat/rd          5502 2008-02-26 14:55:35 ./ThinLayer/JobOrder.5.xml
-r--r----- dat/rd          7615 2008-02-26 14:57:53 ./ThinLayer/JobOrder.90001.xml
-r-xr-x--- dat/rd          3640 2006-08-18 10:21:39 ./ThinLayer/Makefile.aeolus
-r-xr-x--- dat/rd          89 2006-06-09 10:58:58 ./ThinLayer/Objects.txt
-r--r----- dat/rd          6582 2008-02-26 14:58:39 ./ThinLayer/TaskTable.AE_L1B_L2B_WIND.xml
-r--r----- dat/rd          1385 2008-01-16 16:10:24 ./ThinLayer/TestReadJobOrderData.F90
-r--r----- dat/rd          2553 2008-02-26 14:59:22
./ThinLayer/WorkstationConfigurationFile.xml
-r--r----- dat/rd          5180 2008-02-26 14:59:53 ./ThinLayer/order.5.xml
-r--r----- dat/rd          5555 2007-11-16 12:23:45 ./ThinLayer/readjobborderdata.F90
drwxr-x--- dat/rd          0 2008-02-29 14:51:28 ./Tools/
-r-xr-x--- dat/rd          2209 2007-02-13 13:31:02 ./Tools/Makefile.aeolus
-r--r----- dat/rd          1478 2007-02-13 13:32:18 ./Tools/TestLongLines.F90
-r--r----- dat/rd          49090 2008-02-26 14:49:18 ./Tools/diff_module.F90
-r--r----- dat/rd          8178 2008-02-26 14:49:32 ./Tools/difftool.F90
-r--r----- dat/rd          0 2007-02-13 13:32:26 ./Tools/empty_file1
-r--r----- dat/rd          0 2007-02-13 13:32:29 ./Tools/empty_file2
-r-xr-x--- dat/rd          267 2005-11-30 18:21:22 ./Tools/run
-r-xr-x--- dat/rd          267 2005-11-30 18:21:24 ./Tools/run2
-r-xr-x--- dat/rd          682 2005-11-30 18:21:17 ./Tools/testfile.difftool1.txt
-r-xr-x--- dat/rd          634 2005-11-30 18:21:18 ./Tools/testfile.difftool2.txt
-r-xr-x--- dat/rd          664 2005-11-30 18:21:20 ./Tools/testfile.difftool3.txt

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-r-xr-x---	dat/rd	89 2006-05-12 19:58:18	./Tools/testfile2.difftool1.txt
-r-xr-x---	dat/rd	94 2006-05-12 19:58:20	./Tools/testfile2.difftool2.txt
-r--r-----	dat/rd	247 2007-02-13 13:32:07	./Tools/testfile_ifort_problem1.txt
-r--r-----	dat/rd	245 2007-02-13 13:32:09	./Tools/testfile_ifort_problem2.txt
-r--r-----	dat/rd	555 2008-02-26 14:55:22	./Tools/testfile_necsx1.txt
-r--r-----	dat/rd	672 2008-02-26 14:55:30	./Tools/testfile_regular.txt
drwxr-x---	dat/rd	0 2008-02-29 14:51:28	./auxiliary/
-r--r-----	dat/rd	8845 2008-01-16 16:10:10	./auxiliary/DummyAuxiliaryModule.F90
-r-xr-x---	dat/rd	4923 2007-08-09 14:28:39	./auxiliary/Makefile.aeolus
-r-xr-x---	dat/rd	89 2006-05-12 19:54:48	./auxiliary/Objects.txt
-r--r-----	dat/rd	3775 2008-01-16 16:09:27	./auxiliary/TestAuxiliaryModule.F90
-r--r-----	dat/rd	3020 2008-01-16 16:09:57	./auxiliary/TestDummyAuxiliaryModule.F90
-r--r-----	dat/rd	77749 2008-01-18 13:12:05	./auxiliary/auxiliarymodule.F90
-r--r-----	dat/rd	686 2007-04-20 10:35:30	./dummy_lib_def
-r--r-----	dat/rd	1320 2007-04-20 10:35:50	./ee_cfi_lib_def
-r-xr-x---	dat/rd	5444 2007-11-13 13:59:41	./ee_cfi_software.install.script
drwxr-x---	dat/rd	0 2008-02-29 14:51:28	./ee_cfi_wrapper_module/
-r--r-----	dat/rd	4192 2007-04-24 16:38:28	./ee_cfi_wrapper_module/Makefile.aeolus
-r--r-----	dat/rd	538 2006-12-01 09:35:07	./ee_cfi_wrapper_module/Objects.txt
-r--r-----	dat/rd	5787 2007-11-05 14:13:13	./ee_cfi_wrapper_module/ee_xml_wrapper.c
-r--r-----	dat/rd	16896 2006-07-25 09:31:07	./ee_cfi_wrapper_module/simple_read_test.c
-r--r-----	dat/rd	2883 2007-07-20 11:56:00	./ee_cfi_wrapper_module/simple_testdata.xml
-r--r-----	dat/rd	15959 2007-07-30 09:46:49	./ee_cfi_wrapper_module/simple_write_test.c
-r--r-----	dat/rd	9893 2008-01-16 15:04:11	./ee_cfi_wrapper_module/test_ee_xml.F90
-r--r-----	dat/rd	63765 2008-01-29 08:27:08	./ee_cfi_wrapper_module/xml_module.F90
drwxr-x---	dat/rd	0 2008-02-29 14:51:29	./external/
-r--r-----	dat/rd	1442 2008-01-30 15:32:39	./external/aeolus_l2bp_primary_ec.F90
drwxr-x---	dat/rd	0 2008-02-29 14:52:30	./input_rpt/
-r--r-----	dat/rd	1843 2005-06-15 10:29:43	./input_rpt/adapt_backscatterfiles_from_amd5_to_amd8.py
-r--r-----	dat/rd	200447 2005-06-15 10:29:45	./input_rpt/backscatterdata_23layers_adapted_from_amd5_to_amd8.dat
-r--r-----	dat/rd	209160 2005-06-15 10:29:47	./input_rpt/backscatterdata_convective_clouds_adapted_from_amd5_to_amd8.dat
-r--r-----	dat/rd	209160 2005-06-15 10:29:50	./input_rpt/backscatterdata_lowcloud_adapted_from_amd5_to_amd8.dat
-r--r-----	dat/rd	209160 2005-06-15 10:29:52	./input_rpt/backscatterdata_mountains_adapted_from_amd5_to_amd8.dat
-r--r-----	dat/rd	926696 2005-06-15 10:28:45	./input_rpt/backscatterdata_scene_C_convective_clouds.dat
-r--r-----	dat/rd	926696 2005-06-15 10:28:54	./input_rpt/backscatterdata_scene_D_mountains.dat
-r--r-----	dat/rd	695022 2005-06-15 10:29:02	./input_rpt/backscatterdata_scene_H_lowcloud.dat
-r--r-----	dat/rd	926696 2005-06-15 10:29:10	./input_rpt/backscatterdata_scene_S_desertdust.dat
-r--r-----	dat/rd	502140 2005-08-30 09:40:34	./input_rpt/elwl_20050621.rpt
-r--r-----	dat/rd	1221044 2007-08-10 09:03:43	./input_rpt/elwl_20050621_extended.rpt
-r-xr-x---	dat/rd	124856 2007-08-03 13:29:54	./input_rpt/knmi_file.asc
-r-xr-x---	dat/rd	580 2008-02-26 16:00:54	./install_binary_datapack
drwxr-x---	dat/rd	0 2008-02-29 14:52:30	./lib/
-r-xr-x---	dat/rd	7792 2007-10-05 10:14:35	./lib/Makefile.aeolus
drwxr-x---	dat/rd	0 2008-02-29 14:52:31	./main/
-r--r-----	dat/rd	16155 2008-01-22 12:41:42	./main/Dummy_L2C_processor.F90
-r--r-----	dat/rd	31038 2008-01-18 13:08:57	./main/L2B_processor.F90
-r-xr-x---	dat/rd	12458 2008-01-22 12:41:31	./main/Makefile.aeolus
-r-xr-x---	dat/rd	1066 2005-08-30 09:41:13	./main/NWPmetaData_2004120100_example.body
-r-xr-x---	dat/rd	1292 2005-08-30 09:41:15	./main/NWPmetaData_2004120100_example.hdr
-r-xr-x---	dat/rd	65 2007-12-21 17:08:49	./main/Objects.txt

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-r--r----- dat/rd      83261 2008-02-21 12:46:18 ./main/l2bp_module.F90
-r--r----- dat/rd      1416 2005-08-30 09:39:51 ./readme.txt
drwxr-x--- dat/rd        0 2008-02-29 14:52:31 ./schemas/
-r--r----- dat/rd      8208 2007-07-20 12:07:31 ./schemas/AUX_MET_HDR.xml
-r--r----- dat/rd     16122 2007-05-02 14:48:43 ./schemas/AUX_PAR.xml
-r--r----- dat/rd     4544 2007-07-20 12:07:09 ./schemas/AUX_RBC_HDR.xml
-r--r----- dat/rd      823 2008-01-25 15:05:33 ./schemas/DataSetDescriptor.xml
-r--r----- dat/rd     2280 2008-01-25 15:05:57 ./schemas/DataSetDescriptor.xsd
-r--r----- dat/rd      848 2007-05-02 14:48:43 ./schemas/DataSetDescriptor_invalid.xml
-r--r----- dat/rd     5410 2008-01-25 15:06:16 ./schemas/EE_DataTypes.xsd
-r--r----- dat/rd     1190 2008-01-25 15:06:29 ./schemas/FixedHeader.xml
-r--r----- dat/rd     3478 2008-01-25 15:06:56 ./schemas/FixedHeader.xsd
-r--r----- dat/rd     1297 2008-01-25 15:07:15
./schemas/FixedHeader_WrongSchemaReference.xml
-r--r----- dat/rd     1192 2007-05-02 14:48:43 ./schemas/FixedHeader_invalid.xml
-r--r----- dat/rd     13617 2007-05-16 13:16:09 ./schemas/L2B_AUX_PAR.xml
-r--r----- dat/rd     42626 2008-01-25 15:07:38 ./schemas/L2B_AUX_PAR.xsd
-r--r----- dat/rd     13672 2007-05-16 13:15:51 ./schemas/L2B_AUX_PAR_invalid.xml
-r--r----- dat/rd     9596 2008-01-25 15:08:06 ./schemas/L2B_HDR.xml
-r--r----- dat/rd     3223 2008-01-25 15:08:21 ./schemas/L2B_HDR.xsd
-r--r----- dat/rd     9972 2007-05-16 13:02:09 ./schemas/L2B_HDR_SplittedSchema.xml
-r--r----- dat/rd     9680 2007-05-16 13:15:30 ./schemas/L2B_HDR_invalid.xml
-r--r----- dat/rd     6557 2008-01-25 15:08:40 ./schemas/L2B_SpecificProductHeader.xml
-r--r----- dat/rd     5361 2008-01-25 15:08:58 ./schemas/L2B_SpecificProductHeader.xsd
-r--r----- dat/rd     6213 2007-05-02 14:48:43
./schemas/L2B_SpecificProductHeader_invalid.xml
-r--r----- dat/rd     11485 2008-01-25 15:09:36 ./schemas/L2C_HDR.xml
-r--r----- dat/rd     2602 2008-01-25 15:09:54 ./schemas/L2C_HDR.xsd
-r--r----- dat/rd     11639 2007-05-16 13:15:37 ./schemas/L2C_HDR_invalid.xml
-r--r----- dat/rd     8478 2008-01-25 15:10:12 ./schemas/L2C_SpecificProductHeader.xml
-r--r----- dat/rd     5511 2008-01-25 15:10:41 ./schemas/L2C_SpecificProductHeader.xsd
-r--r----- dat/rd     8183 2007-05-02 14:48:43
./schemas/L2C_SpecificProductHeader_invalid.xml
-r--r----- dat/rd     2074 2008-01-25 15:11:04 ./schemas/MainProductHeader.xml
-r--r----- dat/rd     4275 2008-01-25 15:11:19 ./schemas/MainProductHeader.xsd
-r--r----- dat/rd     2061 2007-05-02 14:48:43 ./schemas/MainProductHeader_invalid.xml
-r--r----- dat/rd     8692 2007-05-18 14:33:43 ./schemas/PROD_REPORT.xml
-r-xr-x--- dat/rd     25536 2008-01-25 15:11:44 ./schemas/TestValidate.py
-r--r----- dat/rd     1040 2008-01-25 15:11:58 ./schemas/Test_EE_DataTypes.xml
-r--r----- dat/rd     3141 2008-01-25 15:12:28 ./schemas/Test_EE_DataTypes.xsd
-r-xr-x--- dat/rd     14600 2008-01-25 15:12:51 ./schemas/Validate.py
-r--r----- dat/rd      987 2007-05-02 14:48:43 ./schemas/howto_install_python_package.txt
-r--r----- dat/rd      295 2007-05-02 14:52:26 ./schemas/usage.txt
drwxr-x--- dat/rd        0 2008-02-29 14:52:31 ./simple_xml/
-r--r----- dat/rd     2149 2006-05-16 14:16:31 ./simple_xml/Makefile.aeolus
-r-xr-x--- dat/rd      243 2006-06-08 11:18:29 ./simple_xml/Objects.txt
-r--r----- dat/rd    11010 2008-01-16 15:03:41 ./simple_xml/TestSimpleXML.F90
-r--r----- dat/rd     2708 2007-11-05 14:19:22 ./simple_xml/simple_testdata.xml
-r--r----- dat/rd   109746 2008-01-16 15:03:27 ./simple_xml/xml_module.F90
drwxr-x--- dat/rd        0 2008-02-29 14:52:31 ./src_ecmwf/
-r--r----- dat/rd     3693 2006-05-12 19:47:43 ./src_ecmwf/Makefile.aeolus
-r-xr-x--- dat/rd      95 2006-05-12 19:51:25 ./src_ecmwf/Objects.txt
-r--r----- dat/rd      257 2005-06-15 10:29:54
./src_ecmwf/TestAuxPreproc_ecmwf_Module.txt
-r--r----- dat/rd     1695 2007-04-24 18:35:53 ./src_ecmwf/auxpreproc_ecmwf_module.F90
drwxr-x--- dat/rd        0 2008-02-29 14:52:37 ./support/
-r-xr-x--- dat/rd    11552 2007-04-25 14:01:20 ./support/Makefile.aeolus
-r-xr-x--- dat/rd      583 2006-11-07 09:15:28 ./support/Objects.txt
-r--r----- dat/rd     1352 2007-06-18 11:25:50 ./support/TestAeolusConstants.F90

```

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```

-r--r----- dat/rd      5540 2008-01-16 16:05:39 ./support/TestArraytools.F90
-r--r----- dat/rd      1432 2008-01-16 16:04:32 ./support/TestCompiler_Features.F90
-r--r----- dat/rd      5669 2008-01-16 16:00:19 ./support/TestDateTimeMod.F90
-r--r----- dat/rd      2756 2007-02-28 14:19:11 ./support/TestErrorHandler.F90
-r--r----- dat/rd      3760 2008-01-16 16:02:59 ./support/TestInterpl.F90
-r--r----- dat/rd      9355 2008-01-16 16:03:47 ./support/TestLatLonHandling.F90
-r--r----- dat/rd      2166 2008-01-16 16:03:30 ./support/TestLogging.F90
-r--r----- dat/rd      2883 2007-04-20 10:37:25 ./support/TestLunManager.F90
-r--r----- dat/rd      6196 2008-01-16 15:59:17 ./support/TestNumerics.F90
-r--r----- dat/rd     14751 2007-10-19 13:30:03 ./support/TestProfileInterpolate.F90
-r--r----- dat/rd      5015 2007-10-26 14:13:48 ./support/TestStringTools.F90
-r--r----- dat/rd       673 2006-05-12 19:47:19 ./support/TestVerbosityControl.F90
-r--r----- dat/rd      7285 2008-02-26 14:54:49 ./support/aeolusconstants.F90
-r--r----- dat/rd     11200 2008-01-16 16:04:51 ./support/arraytools.F90
-r--r----- dat/rd     12256 2008-01-16 16:01:34 ./support/c_support.F90
-r--r----- dat/rd      2921 2008-01-16 16:04:19 ./support/compiler_features_aix.F90
-r--r----- dat/rd      2662 2008-01-16 16:02:30 ./support/compiler_features_f95.F90
-r--r----- dat/rd      3445 2008-01-16 16:01:17 ./support/compiler_features_generic.F90
-r--r----- dat/rd      2796 2008-01-16 16:02:15 ./support/compiler_features_gfortran.F90
-r--r----- dat/rd      3025 2008-01-16 16:01:00 ./support/compiler_features_ifort.F90
-r--r----- dat/rd      3041 2008-01-16 15:59:31 ./support/compiler_features_sunforte.F90
-r--r----- dat/rd     28303 2008-01-16 16:04:00 ./support/datetimemod.F90
-r--r----- dat/rd      4625 2006-11-24 11:50:58 ./support/ee_lib_wrapper.c
-r--r----- dat/rd      8754 2008-01-22 12:42:43 ./support/errorhandler.F90
-r--r----- dat/rd      8149 2006-07-31 14:56:49 ./support/f90_c_support.c
-r--r----- dat/rd     10852 2008-01-16 16:05:26 ./support/interpl.F90
-r--r----- dat/rd     21039 2008-01-16 16:02:00 ./support/latlon_handling_eecfi.F90
-r--r----- dat/rd     12740 2008-01-16 16:02:41 ./support/latlon_handling_simple.F90
-r--r----- dat/rd     18391 2008-01-16 16:03:12 ./support/logging.F90
-r--r----- dat/rd     13867 2007-04-20 10:39:40 ./support/lunmanager.F90
-r--r----- dat/rd     41778 2008-02-26 14:50:40 ./support/numerics.F90
-r--r----- dat/rd      1452 2007-02-13 13:36:45 ./support/parkindl_dummy.F90
-r--r----- dat/rd     40681 2007-10-19 13:31:14 ./support/profileinterpolate.F90
-r--r----- dat/rd     11049 2008-01-16 16:01:48 ./support/stringtools.F90
-r--r----- dat/rd      2181 2008-01-16 16:00:41 ./support/test_c_support.F90
-r--r----- dat/rd     1858 2006-05-12 19:47:28 ./support/verbositycontrol.F90
-r--r----- dat/rd       750 2007-02-13 13:37:39 ./use_ee_cfi_software
-r--r----- dat/rd       456 2007-08-02 17:43:36 ./use_simple_xml
-r-xr-x--- dat/rd      7991 2005-11-30 18:23:00 ./whocallswho.txt
[END]

```

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Appendix B. Contents of L2BP_Release1.33_datapack_20080226.tar.gz

B.1. File organization

The datapack contains binary files needed for installing the L2B processor and testing components of the installation. The overall directory structure below \$BUILD is the same as for the source code (Appendix A).

B.2. Datapack inventory

The following listing can be obtained with the Unix command

```
tar ztvf L2BP_Release1.33_datapack_20080226.tar.gz | sort --key=6
```

```
[Courier new 8 pt, left-justified]
drwxr-x--- dat/rd          0 2008-02-26 15:58:28 ./
drwxr-x--- dat/rd          0 2006-12-18 17:42:01 ./BUFR_install/
-rw----- dat/rd      1319984 2006-12-18 17:42:01 ./BUFR_install/bufr_000310.tar.gz
drwx----- dat/rd          0 2006-02-22 13:25:38 ./DirectBinaryIO/
-rw----- dat/rd          20 2006-02-22 13:25:38 ./DirectBinaryIO/uf.4b.be.bin
-rw----- dat/rd          20 2006-02-22 13:25:38 ./DirectBinaryIO/uf.4b.le.bin
-rw----- dat/rd          28 2006-02-22 13:25:38 ./DirectBinaryIO/uf.8b.le.bin
drwxr-x--- dat/rd          0 2006-02-24 11:51:17 ./Matlab_Tools/
-rw-r----- dat/rd      175616 2006-02-06 14:04:46 ./Matlab_Tools/HOWTO.doc
drwxr-x--- dat/rd          0 2008-02-25 11:02:15 ./Matlab_Tools/TOOLS/
drwxr-x--- dat/rd          0 2006-02-24 11:51:56 ./Matlab_Tools/TOOLS/AuxData/
-rw-r----- dat/rd      667419 2006-01-31 10:54:26
./Matlab_Tools/TOOLS/AuxData/ILIADTables.mat
-rw-r----- dat/rd      301601 2006-01-31 10:54:26 ./Matlab_Tools/TOOLS/AuxData/LUT.mat
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:13 ./Matlab_Tools/TOOLS/gui_102.fig ->
gui_102.fig_20080221
-r--r----- dat/rd          5879 2008-02-25 11:01:46 ./Matlab_Tools/TOOLS/gui_102.fig_20080221
drwxr-x--- dat/rd          0 2008-02-26 15:53:36 ./RayleighBrillouinProcessing/
-rw-r----- dat/rd      35582507 2008-02-26 15:52:20
./RayleighBrillouinProcessing/AE_TEST_AUX_RBC_L2_20071003T123456_20081002T123456_0001.DBL
-rw-r----- dat/rd          4691 2008-02-26 15:51:35
./RayleighBrillouinProcessing/AE_TEST_AUX_RBC_L2_20071003T123456_20081002T123456_0001.HDR
-rw-r----- dat/rd      35582507 2008-02-26 15:53:20
./RayleighBrillouinProcessing/AE_TEST_AUX_RBC_L2_20071026T123456_20081025T123456_0001.DBL
-rw-r----- dat/rd          4691 2008-02-26 15:52:37
./RayleighBrillouinProcessing/AE_TEST_AUX_RBC_L2_20071026T123456_20081025T123456_0001.HDR
-rw-r----- dat/rd      5903611 2007-10-16 18:27:36
./RayleighBrillouinProcessing/CALIB_GRID.dat.gz
-rw-r----- dat/rd      274300 2007-10-16 18:27:48
./RayleighBrillouinProcessing/CALIB_GRID_Gauss.dat.gz
-rw-r----- dat/rd      1221086 2006-07-26 14:09:41
./RayleighBrillouinProcessing/GAUSS_SPECTRUM.dat.gz
-rw-r----- dat/rd      25957522 2006-07-03 15:12:07
./RayleighBrillouinProcessing/TENTI_SPECTRUM.dat.gz
drwxr-x--- dat/rd          0 2007-06-05 17:58:00 ./Test/
drwxr-x--- dat/rd          0 2008-02-26 15:44:24 ./Test/AMD_file_handling/
-rw-r----- dat/rd      169650 2008-02-26 15:43:59
./Test/AMD_file_handling/AE_TEST_AUX_MET_12_20041201T000000_20041201T003000_0001.DBL.expected
.LINUX_pgf90
-rw-r----- dat/rd          9146 2008-02-26 15:43:43
./Test/AMD_file_handling/AE_TEST_AUX_MET_12_20041201T000000_20041201T003000_0001.HDR.expected
```


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```

drwxr-x--- dat/rd          0 2008-02-26 15:48:31 ./Test/AuxClim_file_handling/
-rw-r----- dat/rd        194367 2008-02-26 15:48:19
./Test/AuxClim_file_handling/AE_TEST_AUX_CLM_L2_20010312T123456_20110312T123456_0001.DBL.expe
cted.LINUX_pgf90
-rw-r----- dat/rd          3251 2008-02-26 15:48:05
./Test/AuxClim_file_handling/AE_TEST_AUX_CLM_L2_20010312T123456_20110312T123456_0001.HDR.expe
cted
drwxr-x--- dat/rd          0 2007-06-05 17:58:41 ./Test/BUFR_file_handling/
-rwxr-x--- dat/rd          6600 2007-06-05 17:54:06 ./Test/BUFR_file_handling/Testfile.BUFR
drwxr-x--- dat/rd          0 2007-02-16 17:27:22 ./Test/BUFR_file_handling_expected/
-rw-r----- dat/rd        328136 2007-02-16 14:06:53
./Test/BUFR_file_handling_expected/AE_TEST_ALD_U_N_1B_20071002T000001986_000028000_000004_000
2.BUFR.expected.LINUX_pgf90
-rw-r----- dat/rd        149956 2007-02-16 14:06:56
./Test/BUFR_file_handling_expected/AE_TEST_ALD_U_N_1B_20071002T000007536_000028000_000004_000
1.BUFR.expected.LINUX_pgf90
drwxr-x--- dat/rd          0 2007-04-24 13:42:39 ./Test/BUFR_tables/
-rw-r----- dat/rd        377288 2007-04-18 14:12:00
./Test/BUFR_tables/B0000000000098015001.expected.AIX_f90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/BUFR_tables/B0000000000098015001.expected.LINUX_g95 ->
B0000000000098015001.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/BUFR_tables/B0000000000098015001.expected.LINUX_gfortran ->
B0000000000098015001.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/BUFR_tables/B0000000000098015001.expected.LINUX_ifort ->
B0000000000098015001.expected.LINUX_pgf90
-rw-r----- dat/rd        377288 2006-12-18 17:44:00
./Test/BUFR_tables/B0000000000098015001.expected.LINUX_pgf90
-rw-r----- dat/rd        276008 2007-04-18 14:12:00
./Test/BUFR_tables/D0000000000098015001.expected.AIX_f90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/BUFR_tables/D0000000000098015001.expected.LINUX_g95 ->
D0000000000098015001.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/BUFR_tables/D0000000000098015001.expected.LINUX_gfortran ->
D0000000000098015001.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/BUFR_tables/D0000000000098015001.expected.LINUX_ifort ->
D0000000000098015001.expected.LINUX_pgf90
-rw-r----- dat/rd        276008 2006-12-18 17:44:04
./Test/BUFR_tables/D0000000000098015001.expected.LINUX_pgf90
drwxr-x--- dat/rd          0 2007-04-24 13:44:24 ./Test/DirectBinaryIO/
-rw-r----- dat/rd          170 2007-04-18 14:10:59
./Test/DirectBinaryIO/SomeNumbers.bin.expected.AIX_f90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/DirectBinaryIO/SomeNumbers.bin.expected.LINUX_g95 -> SomeNum-
bers.bin.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/DirectBinaryIO/SomeNumbers.bin.expected.LINUX_gfortran -> SomeNum-
bers.bin.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/DirectBinaryIO/SomeNumbers.bin.expected.LINUX_ifort -> SomeNum-
bers.bin.expected.LINUX_pgf90
-rw----- dat/rd          170 2005-11-16 11:30:02
./Test/DirectBinaryIO/SomeNumbers.bin.expected.LINUX_pgf90
-rw----- dat/rd          174 2006-01-11 13:46:32
./Test/DirectBinaryIO/test_file.bin.expected
-rw-r----- dat/rd          20 2007-04-18 14:41:54
./Test/DirectBinaryIO/uf.bin.expected.AIX_f90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/DirectBinaryIO/uf.bin.expected.LINUX_g95 -> uf.bin.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/DirectBinaryIO/uf.bin.expected.LINUX_gfortran -> uf.bin.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/DirectBinaryIO/uf.bin.expected.LINUX_ifort -> uf.bin.expected.LINUX_pgf90

```

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```

-rw----- dat/rd          20 2006-02-22 13:25:38
./Test/DirectBinaryIO/uf.bin.expected.LINUX_pgf90
drwxr-x--- dat/rd          0 2008-02-26 14:03:27 ./Test/L2BC_file_handling/
-rw-r----- dat/rd        47312 2008-02-26 13:59:52
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0002.DBL.expecte
d.LINUX_pgf90
-rw-r----- dat/rd          9010 2008-02-26 13:58:53
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0002.HDR.expecte
d
-rw-r----- dat/rd        73190 2008-02-26 14:01:55
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0002.DBL.expecte
d.LINUX_pgf90
-rw-r----- dat/rd        11150 2008-02-26 14:01:20
./Test/L2BC_file_handling/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0002.HDR.expecte
d
drwx----- dat/rd          0 2008-02-26 15:55:19 ./Test/RBC_FileHandling/
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/RBC_FileHandling/AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.
AIX_f90 -> AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/RBC_FileHandling/AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.
LINUX_g95 -> AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/RBC_FileHandling/AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.
LINUX_gfortran ->
AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.LINUX_pgf90
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:10
./Test/RBC_FileHandling/AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.
LINUX_ifort ->
AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.LINUX_pgf90
-rw-r----- dat/rd       35582507 2008-02-26 15:55:09
./Test/RBC_FileHandling/AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.DBL.expected.
LINUX_pgf90
-rw-r----- dat/rd          4680 2008-02-26 15:54:41
./Test/RBC_FileHandling/AE_TEST_AUX_RBC_L2_20010312T123456_20020312T123456_0001.HDR.expected
drwxr-x--- dat/rd          0 2007-04-27 10:46:31 ./Test/Scripts/
-rw-r----- dat/rd        1998 2007-04-27 10:46:31 ./Test/Scripts/long_filename_test.tar.gz
drwxr-x--- dat/rd          0 2008-02-26 14:24:38 ./Test/main/
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:12
./Test/main/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0001.HDR.test12.expected ->
EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0001.HDR.test
12
lrwxrwxrwx dat/rd          0 2008-02-26 13:55:12
./Test/main/AE_TEST_ALD_U_N_2B_20071002T000007_20071002T000040_0001.HDR.test09.expected ->
EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000007_20071002T000040_0001.HDR.test
09
drwxr-x--- dat/rd          0 2008-01-21 14:36:30
./Test/main/EEfiles.expected.LINUX_pgf90.old/
-rw-r----- dat/rd        5544 2008-01-21 08:29:03
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_00000000T000000_00000000T0000
00_0001.DBL.test17
-rw-r----- dat/rd        9225 2008-01-21 08:29:03
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_00000000T000000_00000000T0000
00_0001.HDR.test17
-rw-r----- dat/rd        65181 2008-01-21 08:23:21
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.DBL.test01
-rw-r----- dat/rd        72389 2008-01-21 08:23:45
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.DBL.test02
-rw-r----- dat/rd        65181 2008-01-21 08:24:07
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.DBL.test03
-rw-r----- dat/rd        72389 2008-01-21 08:24:31
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.DBL.test04

```

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```

-rw-r----- dat/rd          65181 2008-01-21 08:28:44
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.DBL.test16

-rw-r----- dat/rd          9283 2008-01-21 08:23:21
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.HDR.test01

-rw-r----- dat/rd          9283 2008-01-21 08:23:46
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.HDR.test02

-rw-r----- dat/rd          9283 2008-01-21 08:24:08
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.HDR.test03

-rw-r----- dat/rd          9283 2008-01-21 08:24:31
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.HDR.test04

-rw-r----- dat/rd          9283 2008-01-21 08:28:44
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
12_0001.HDR.test16

-rw-r----- dat/rd          139234 2008-01-21 08:24:57
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test05

-rw-r----- dat/rd          139234 2008-01-21 08:25:21
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test06

-rw-r----- dat/rd          124818 2008-01-21 08:25:45
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test07

-rw-r----- dat/rd          124818 2008-01-21 08:26:09
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test08

-rw-r----- dat/rd          124818 2008-01-21 08:26:59
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test10

-rw-r----- dat/rd          124818 2008-01-21 08:27:26
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test11

-rw-r----- dat/rd          124818 2008-01-21 08:27:53
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test12

-rw-r----- dat/rd          124818 2008-01-21 08:28:22
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test15

-rw-r----- dat/rd          124818 2008-01-21 08:30:50
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.DBL.test20

-rw-r----- dat/rd          9284 2008-01-21 08:24:57
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test05

-rw-r----- dat/rd          9284 2008-01-21 08:25:21
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test06

-rw-r----- dat/rd          9284 2008-01-21 08:25:45
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test07

-rw-r----- dat/rd          9284 2008-01-21 08:26:09
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test08

-rw-r----- dat/rd          9284 2008-01-21 08:26:59
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test10

-rw-r----- dat/rd          9284 2008-01-21 08:27:26
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test11

-rw-r----- dat/rd          9284 2008-01-21 08:27:53
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test12

-rw-r----- dat/rd          9284 2008-01-21 08:28:22
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test15

```

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```

-rw-r----- dat/rd          9284 2008-01-21 08:30:50
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T0000
40_0001.HDR.test20

-rw-r----- dat/rd          67172 2008-01-21 08:26:33
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000007_20071002T0000
40_0001.DBL.test09

-rw-r----- dat/rd          9283 2008-01-21 08:26:33
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20071002T000007_20071002T0000
40_0001.HDR.test09

-rw-r----- dat/rd          139234 2008-01-21 08:30:17
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T0000
40_0001.DBL.test19

-rw-r----- dat/rd          9288 2008-01-21 08:30:17
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T0000
40_0001.HDR.test19

-rw-r----- dat/rd          272924 2008-01-21 08:29:45
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T0001
36_0001.DBL.test18

-rw-r----- dat/rd          9288 2008-01-21 08:29:45
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T0001
36_0001.HDR.test18

-rw-r----- dat/rd          72389 2008-01-21 08:30:22
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20080101T000058_20080101T0001
08_0001.DBL.test19

-rw-r----- dat/rd          9287 2008-01-21 08:30:22
./Test/main/EEfiles.expected.LINUX_pgf90.old/AE_TEST_ALD_U_N_2B_20080101T000058_20080101T0001
08_0001.HDR.test19

drwxr-x--- dat/rd           0 2008-02-26 14:45:36 ./Test/main/EEfiles.expected.LINUX_pgf90/

-rw-r----- dat/rd          5544 2008-02-26 14:39:14
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_00000000T000000_00000000T000000_0
001.DBL.test17

-rw-r----- dat/rd          9240 2008-02-26 14:38:58
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_00000000T000000_00000000T000000_0
001.HDR.test17

-rw-r----- dat/rd          65181 2008-02-26 14:26:54
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.DBL.test01

-rw-r----- dat/rd          72389 2008-02-26 14:28:19
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.DBL.test02

-rw-r----- dat/rd          65181 2008-02-26 14:29:29
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.DBL.test03

-rw-r----- dat/rd          72389 2008-02-26 14:30:18
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.DBL.test04

-rw-r----- dat/rd          65181 2008-02-26 14:38:22
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.DBL.test16

-rw-r----- dat/rd          9298 2008-02-26 14:26:05
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.HDR.test01

-rw-r----- dat/rd          9298 2008-02-26 14:27:30
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.HDR.test02

-rw-r----- dat/rd          9298 2008-02-26 14:28:48
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.HDR.test03

-rw-r----- dat/rd          9298 2008-02-26 14:29:57
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.HDR.test04

-rw-r----- dat/rd          9298 2008-02-26 14:38:07
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000012_0
001.HDR.test16

-rw-r----- dat/rd          139234 2008-02-26 14:31:13
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test05

```

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```

-rw-r----- dat/rd          139234 2008-02-26 14:31:59
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test06

-rw-r----- dat/rd          124818 2008-02-26 14:32:47
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test07

-rw-r----- dat/rd          124818 2008-02-26 14:33:32
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test08

-rw-r----- dat/rd          124818 2008-02-26 14:35:16
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test10

-rw-r----- dat/rd          124818 2008-02-26 14:36:03
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test11

-rw-r----- dat/rd          124818 2008-02-26 14:36:50
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test12

-rw-r----- dat/rd          124818 2008-02-26 14:37:41
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test15

-rw-r----- dat/rd          124818 2008-02-26 14:42:06
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.DBL.test20

-rw-r----- dat/rd          9299 2008-02-26 14:30:46
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test05

-rw-r----- dat/rd          9299 2008-02-26 14:31:41
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test06

-rw-r----- dat/rd          9299 2008-02-26 14:32:29
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test07

-rw-r----- dat/rd          9299 2008-02-26 14:33:14
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test08

-rw-r----- dat/rd          9299 2008-02-26 14:35:01
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test10

-rw-r----- dat/rd          9299 2008-02-26 14:35:47
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test11

-rw-r----- dat/rd          9299 2008-02-26 14:36:30
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test12

-rw-r----- dat/rd          9299 2008-02-26 14:37:24
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test15

-rw-r----- dat/rd          9299 2008-02-26 14:41:51
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000002_20071002T000040_0
001.HDR.test20

-rw-r----- dat/rd          67172 2008-02-26 14:34:34
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000007_20071002T000040_0
001.DBL.test09

-rw-r----- dat/rd          9298 2008-02-26 14:34:02
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20071002T000007_20071002T000040_0
001.HDR.test09

-rw-r----- dat/rd          139234 2008-02-26 14:40:44
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T000040_0
001.DBL.test19

-rw-r----- dat/rd          9303 2008-02-26 14:40:29
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T000040_0
001.HDR.test19

-rw-r----- dat/rd          272924 2008-02-26 14:40:01
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T000136_0
001.DBL.test18

-rw-r----- dat/rd          9303 2008-02-26 14:39:43
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20080101T000002_20080101T000136_0
001.HDR.test18

```

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```

-rw-r----- dat/rd          72389 2008-02-26 14:41:26
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20080101T000058_20080101T000108_0
001.DBL.test19
-rw-r----- dat/rd          9302 2008-02-26 14:41:11
./Test/main/EEfiles.expected.LINUX_pgf90/AE_TEST_ALD_U_N_2B_20080101T000058_20080101T000108_0
001.HDR.test19
drwxr-x--- dat/rd           0 2008-02-25 11:09:10 ./input_data/
drwxr-x--- dat/rd           0 2006-11-21 11:14:02
./input_data/11bv104_postfat_example01_20061121_N_30/
-rw----- dat/rd          335338 2006-11-21 10:42:18
./input_data/11bv104_postfat_example01_20061121_N_30/AE_TEST_ALD_U_N_1B_20071002T0000007536_00
0028000_000004_0001.DBL
-rw----- dat/rd          11348 2006-11-21 10:42:24
./input_data/11bv104_postfat_example01_20061121_N_30/AE_TEST_ALD_U_N_1B_20071002T0000007536_00
0028000_000004_0001.HDR
drwxr-x--- dat/rd           0 2006-11-21 11:14:02
./input_data/11bv104_postfat_example01_20061121_N_67/
-rw----- dat/rd          713552 2006-11-21 10:42:38
./input_data/11bv104_postfat_example01_20061121_N_67/AE_TEST_ALD_U_N_1B_20071002T0000001986_00
0028000_000004_0002.DBL
-rw----- dat/rd          11357 2006-11-21 10:42:46
./input_data/11bv104_postfat_example01_20061121_N_67/AE_TEST_ALD_U_N_1B_20071002T0000001986_00
0028000_000004_0002.HDR
drwxr-x--- dat/rd           0 2008-02-26 15:46:09
./input_data/11bv105_example02_20070309_cloudlayers/
-rw----- dat/rd          1413430 2007-03-09 15:01:34
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_ALD_U_N_1B_20080101T0000001986_000
084000_001421_0001.DBL
-rw----- dat/rd          11371 2007-03-09 15:01:41
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_ALD_U_N_1B_20080101T0000001986_000
084000_001421_0001.HDR
-rw-r----- dat/rd          40350 2008-02-26 15:46:09
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL
-rw-r----- dat/rd          40350 2006-09-19 11:42:50
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig
-rw-r----- dat/rd          40350 2007-06-12 10:35:14
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig2
-rw-r----- dat/rd          40350 2007-10-29 15:46:39
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig3
-rw-r----- dat/rd          40350 2007-11-16 19:59:47
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig4
-rw-r----- dat/rd          40350 2007-12-14 13:49:12
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig5
-rw-r----- dat/rd          40350 2007-12-19 14:27:17
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig6
-rw-r----- dat/rd          40350 2008-02-20 16:03:12
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.DBL.orig7
-rw-r----- dat/rd          9085 2008-02-26 15:45:53
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR
-rw-r----- dat/rd          8655 2006-09-19 11:42:50
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig
-rw-r----- dat/rd          8209 2007-06-12 10:34:55
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig2
-rw-r----- dat/rd          9022 2007-10-29 15:40:35
./input_data/11bv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig3_preschema

```

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```

-rw-r----- dat/rd          9077 2007-11-07 10:46:33
./input_data/llbv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig3_schema
-rw-r----- dat/rd          9234 2007-11-16 19:58:35
./input_data/llbv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig4
-rw-r----- dat/rd          9234 2007-12-14 13:48:58
./input_data/llbv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig5
-rw-r----- dat/rd          9084 2007-12-19 14:27:05
./input_data/llbv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig6
-rw-r----- dat/rd          9085 2008-02-20 16:02:11
./input_data/llbv105_example02_20070309_cloudlayers/AE_TEST_AUX_MET_12_20060919T000000_200609
19T003000_0001.HDR.orig7
drwxr-x--- dat/rd           0 2007-06-12 15:42:50
./input_data/llbv105_example02_20070309_cloudlayers/aux_met_format_v01.30/
-rw-r----- dat/rd         40350 2007-04-27 10:51:01
./input_data/llbv105_example02_20070309_cloudlayers/aux_met_format_v01.30/AE_TEST_AUX_MET_12_
20060919T000000_20060919T003000_0001.DBL
-rw-r----- dat/rd          8738 2007-04-27 10:50:46
./input_data/llbv105_example02_20070309_cloudlayers/aux_met_format_v01.30/AE_TEST_AUX_MET_12_
20060919T000000_20060919T003000_0001.HDR
drwxr-x--- dat/rd           0 2007-04-30 14:44:02 ./input_data/llbv106_test_12345_ref_N_20/
-rw-r----- dat/rd        14606988 2007-04-13 07:07:57
./input_data/llbv106_test_12345_ref_N_20/AE_TEST_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.DBL
-rw-r----- dat/rd        11826 2007-04-13 07:07:58
./input_data/llbv106_test_12345_ref_N_20/AE_TEST_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.HDR
drwxr-x--- dat/rd           0 2008-02-20 16:18:52 ./input_data/llbv107_test_12345_ref_N_20/
-rw-r----- dat/rd        14606988 2007-06-15 21:37:40
./input_data/llbv107_test_12345_ref_N_20/AE_TEST_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.DBL
-rw-r----- dat/rd        11825 2007-06-15 21:37:40
./input_data/llbv107_test_12345_ref_N_20/AE_TEST_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.HDR
drwxr-x--- dat/rd           0 2008-01-21 14:45:02 ./input_data/llbv108_test_12345_ref_N_20/
-rw-r----- dat/rd        14608056 2008-01-13 20:37:51
./input_data/llbv108_test_12345_ref_N_20/AE_OPER_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.DBL
-rw-r----- dat/rd        12499 2008-01-13 20:37:51
./input_data/llbv108_test_12345_ref_N_20/AE_OPER_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.HDR
drwxr-x--- dat/rd           0 2008-02-25 11:09:30 ./input_data/llbv109_test_12345_ref_N_20/
-rw-r----- dat/rd        14608052 2008-02-19 08:15:12
./input_data/llbv109_test_12345_ref_N_20/AE_OPER_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.DBL
-rw-r----- dat/rd        11951 2008-02-19 08:15:12
./input_data/llbv109_test_12345_ref_N_20/AE_OPER_ALD_U_N_1B_20071002T001842036_003696000_0000
05_0001.HDR
[END]

```

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Appendix C. Contents of L2BP_Release1.33_ExtraDS.tar.gz

C.1. File organization

The ExtraDS pack is a supplement to the installation datapack. It contains

- extra example L2B and L2C files representative of 200 BRCs (a typical orbit)

C.2. ExtraDS inventory

The following listing can be obtained with the Unix command

```
tar ztvf L2BP_Release1.33_ExtraDS.tar.gz | sort --key=6
```

[Courier New 8pt, left justified]

```
drwxr-x--- dat/rd          0 2008-02-29 15:31:14 ./Extra/
drwxr-x--- dat/rd          0 2008-02-29 15:31:26 ./Extra/Data/
drwxr-x--- dat/rd          0 2008-02-29 15:32:51 ./Extra/Data/L2BC_brc200/
-rw-r----- dat/rd      17699344 2008-02-29 15:32:04
./Extra/Data/L2BC_brc200/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0001.DBL
-rw-r----- dat/rd          9016 2008-02-29 15:32:04
./Extra/Data/L2BC_brc200/AE_TEST_ALD_U_N_2B_20010312T123456_20010312T123700_0001.HDR
-rw-r----- dat/rd      23769646 2008-02-29 15:32:51
./Extra/Data/L2BC_brc200/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0001.DBL
-rw-r----- dat/rd          11156 2008-02-29 15:32:51
./Extra/Data/L2BC_brc200/AE_TEST_ALD_U_N_2C_20010312T123456_20010312T123700_0001.HDR
[END]
```


Appendix D. Contents of L2BP_Release1.1_TDS.tar.gz - not applicable to Release 1.33

D.1. File organization

The TDS pack is a supplement to the installation datapack. It contains

- additional input files (L1B, AUX_MET_12, and AUX_PAR_2B) needed for generating L2B TDS
- scripts for automating this generation
- expected output files
- extra example files

As explained in Section 3.5 it should be un-tarred below \$(INSTALL_DIR). The overall directory structure below \$INSTALL_DIR is described below. Note that one .EE file understood to mean a pair of Earth Explorer files with extensions .HDR and .DBL.

Subdirectory of \$INSTALL_DIR	Contents/Purpose
Extra/Data/L2B_brc200	Extra example of a L2B data file, representative of a full orbit.
Inputs/CLM_xxx	Empty template for future AUX_CLM files.
Inputs/RBC_*	Empty directories, the scripts put AUX_RBC files here.
Inputs/L1B_TDS_mmm	L1B Test Files. Must contain one L1B.EE file and associated AUX_MET_12.EE.
Bin	Empty directories, the scripts put executables here.
working/L2B_TestCase_nnn	L2B Test Cases. Must contain <ul style="list-style-type: none"> – one JobOrder file JobOrder.L2B_Testcase_nnn – one processing parameters file AUX_PAR_2B.EE file – one test script Test_L2BP.sh.
working/L2B_TestCase_nnn/expected	Expected output for each L2B Test Case. Contains <ul style="list-style-type: none"> – Text messages written to stdout/stderr – 2B.EE file.

Note that a single L1B TDS can be used for several L2B Test Cases, each using a different AUX_PAR_2B input file (and in future different CLM and RBC input files).

D.2. TDS inventory

The following listing can be obtained with the Unix command

```
tar ztvf L2BP_Release1.1_TDS_draft_20060824.tar.gz | sort --key=6
```

Note that some directories are empty; this TDS pack may be upgraded before the next release.

```
drwxr-xr-x dat/rd          0 2006-08-24 10:13:32 ./
drwxr-xr-x dat/rd          0 2006-08-24 10:52:16 ./Extra/
drwxr-xr-x dat/rd          0 2006-08-24 10:52:27 ./Extra/Data/
drwxr-xr-x dat/rd          0 2006-08-24 10:52:55 ./Extra/Data/L2B_brc200/
-rwxr-xr-x dat/rd      17626957 2006-08-24 10:46:52
./Extra/Data/L2B_brc200/AE_TEST_ALD_U_T_2B_20010312T123456_20010312T123700_0001.DBL
-rwxr-xr-x dat/rd          8692 2006-08-24 10:46:52
./Extra/Data/L2B_brc200/AE_TEST_ALD_U_T_2B_20010312T123456_20010312T123700_0001.HDR
drwxr-xr-x dat/rd          0 2006-08-23 17:39:33 ./Inputs/
drwxr-xr-x dat/rd          0 2006-08-23 17:30:02 ./Inputs/CLM_xxx/
drwxr-xr-x dat/rd          0 2006-08-23 17:38:53 ./Inputs/L1B_TDS_000/
-rwxr-xr-x dat/rd      36989623 2006-08-16 19:30:11
./Inputs/L1B_TDS_000/AE_TEST_ALD_U_N_1B_20071002T000001948_002996000_000004_0001.DBL
```

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```

-rwxr-xr-x dat/rd          10746 2006-08-16 19:29:56
./Inputs/L1B_TDS_000/AE_TEST_ALD_U_N_1B_20071002T0000001948_002996000_000004_0001.HDR
-rwxr-xr-x dat/rd          936830 2006-08-17 15:20:12
./Inputs/L1B_TDS_000/AE_TEST_AUX_MET_12_20071002T000000_20071002T003000_0001.DBL
-rwxr-xr-x dat/rd          8513 2006-08-17 15:20:12
./Inputs/L1B_TDS_000/AE_TEST_AUX_MET_12_20071002T000000_20071002T003000_0001.HDR
drwxr-xr-x dat/rd          0 2006-08-23 17:39:18 ./Inputs/L1B_TDS_001/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:19 ./Inputs/L1B_TDS_002/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:20 ./Inputs/L1B_TDS_003/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:21 ./Inputs/L1B_TDS_004/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:29 ./Inputs/L1B_TDS_101/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:31 ./Inputs/L1B_TDS_102/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:32 ./Inputs/L1B_TDS_103/
drwxr-xr-x dat/rd          0 2006-08-23 17:39:33 ./Inputs/L1B_TDS_104/
drwxr-xr-x dat/rd          0 2006-08-24 10:08:30 ./Inputs/RBC_Gauss/
drwxr-xr-x dat/rd          0 2006-08-23 18:39:34 ./Inputs/RBC_Tenti/
drwxr-xr-x dat/rd          0 2006-08-24 10:08:39 ./bin/
-rwxr-xr-x dat/rd          1534 2006-08-24 10:13:11 ./run_tds.ksh
drwxr-xr-x dat/rd          0 2006-08-23 17:50:47 ./working/
drwxr-xr-x dat/rd          0 2006-08-24 10:07:07 ./working/L2B_TestCase_000/
-rwxr-xr-x dat/rd          15806 2006-08-23 17:55:03
./working/L2B_TestCase_000/AE_TEST_AUX_PAR_2B_20071002T000000_20081002T000000_0001.EEF
-rwxr-xr-x dat/rd          7659 2006-08-23 17:53:45
./working/L2B_TestCase_000/JobOrder.L2B_TestCase_000.xml
-rwxr-xr-x dat/rd          987 2006-08-24 10:05:50 ./working/L2B_TestCase_000/Test_L2BP.sh
drwxr-xr-x dat/rd          0 2006-08-24 11:10:41 ./working/L2B_TestCase_000/expected/
-rwxr-xr-x dat/rd          6438177 2006-08-23 18:26:26
./working/L2B_TestCase_000/expected/AE_TEST_ALD_U_T_2B_20071002T0000001_20071002T0000002_0001.D
BL
-rwxr-xr-x dat/rd          9020 2006-08-23 18:26:26
./working/L2B_TestCase_000/expected/AE_TEST_ALD_U_T_2B_20071002T0000001_20071002T0000002_0001.H
DR
-rwxr-xr-x dat/rd          45202436 2006-08-23 18:36:09
./working/L2B_TestCase_000/expected/output.L2B_TestCase_000
drwxr-xr-x dat/rd          0 2006-08-23 17:50:18 ./working/L2B_TestCase_001/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:19 ./working/L2B_TestCase_002/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:20 ./working/L2B_TestCase_003/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:22 ./working/L2B_TestCase_004/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:30 ./working/L2B_TestCase_005/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:31 ./working/L2B_TestCase_006/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:39 ./working/L2B_TestCase_101/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:41 ./working/L2B_TestCase_102/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:42 ./working/L2B_TestCase_103/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:43 ./working/L2B_TestCase_104/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:44 ./working/L2B_TestCase_105/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:45 ./working/L2B_TestCase_106/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:46 ./working/L2B_TestCase_107/
drwxr-xr-x dat/rd          0 2006-08-23 17:50:47 ./working/L2B_TestCase_108/
[END]

```