

NEW SOURCE CODE VERSION CY43T2_bf.09

A new bugfix is available for cycle CY43T2 (incremental pack).

- Source code management :

Git : % git_branch -r 43t2 -b bf [-v 09] -u mybranch

NB : Don't forget to execute « git fetch » in your repository !!

A full external source code pack is available :
hendrix:~martinezs/pub/src/arp/cy43/cy43t2_bf.09.tar.gz

- Compilation :

gmckpack (beaufix) : % gmckpack -r 43t2 -b bf [-v 09] -u mybranch -l IMPI512IFC1601 -o 2y etc...

- Comments :

WARNING :

Library « eccodes » is now used for compilation and links editions, instead of « grib_api » !

- Documentation :

```
-- author: GUILLAUME Frank
-- branch: guillaum_CY43T2_fix_odim
-- modified:
    odb/pandor/module/bator_decodhdf5_mod.F90
    odb/pandor/module/bator_ecriptions_mod.F90
-- doc:
```

1) Bugfix in odim() subroutine to avoid allocation of FullDatasetList(NumGDataset) %GQuality when no Quality Group is found in ODIM file.

2) Transcoding node (5 characters) in integer for radar ODIM in bator_ecriptions_mod.F90 .

NO NUMERICAL IMPACT IS EXPECTED.

```
-----
-- author: EL KHATIB Ryad
-- branch: khatib\_CY43T2\_bf.08%fpcorphy
-- modified:
    arpifs/fullpos/fpcorphy.F90
-- doc:
```

Fix Tcls and RHcls if .not.lfposhor and nfpcli >0.

NO NUMERICAL IMPACT IS EXPECTED.

```
-----
-- author: MARY Alexandre
-- branch: mary_CY43T2_Ezone_in_pgd
-- modified:
    arpifs/c9xx/relnew.F90
    surfex/SURFEX/grid_modif_conf_proj.F90
    surfex/SURFEX/mode_gridtype_conf_proj.F90
    surfex/SURFEX/pack_grid_conf_proj.F90
    surfex/SURFEX/read_gridtype_conf_proj.F90
    surfex/SURFEX/read_nam_grid_conf_proj.F90
    surfex/SURFEX/split_grid_conf_proj.F90
    surfex/SURFEX/write_header_fa.F90
-- doc:
```

This contribution enables the PGD program to generate a PGD file containing a E-zone, and the e923 to read orography and LSM from a PGD file containing a E-zone (would it be empty).

Simplifies a lot the generation of clim & PGD files, especially the consistency of orography between both.

(Associated modification of the clim_3to1 Olive/Vortex configuration to come later)

- Available binaries on beaufix (BULL) :

Fri May 25 07:58:30 2018	9108967	al43t2_blendsur-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:58:43 2018	9126759	al43t2_chklimits-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:52:52 2018	9301413	al43t2_surfmix-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:52:56 2018	1058974	cpl43t2_gpcou-bf.08	IMPI512IFC1601.2y.exe
Thu Jun 28 13:14:49 2018	758362924	cy43t2_masterodb-bf.09	IMPI512IFC1601.2y.exe
Fri May 25 07:55:04 2018	200988405	cy43t2_mrgvarbc-bf.08	IMPI512IFC1601.2y.exe
Thu Jun 28 13:12:25 2018	51151035	ms43t2_oimain-bf.09	IMPI512IFC1601.2y.exe
Thu Jun 28 13:09:13 2018	60618276	ms43t2_pgd-bf.09	IMPI512IFC1601.2y.exe
Thu Jun 28 13:15:44 2018	89108062	ms43t2_prep-bf.09	IMPI512IFC1601.2y.exe
Thu Jun 28 13:08:27 2018	12966901	ms43t2_sfxtools-bf.09	IMPI512IFC1601.2y.exe
Thu Jun 28 13:10:20 2018	200615926	od43t2_bator-bf.09	IMPI512IFC1601.2y.exe
Fri May 25 07:54:17 2018	197816571	od43t2_fcqodb-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:53:01 2018	656891	od43t2_ioassign-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:56:15 2018	197162437	od43t2_mandalay-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:54:40 2018	199526775	od43t2_tools-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:56:52 2018	2189540	st43t2_25to50-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:58:34 2018	46605	st43t2_buf-r-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:53:18 2018	61570	st43t2_dconeqc-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:54:46 2018	1917815	st43t2_filter-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:58:47 2018	9291744	ta43t2_eatstpro-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:58:39 2018	4326670	ta43t2_etestadj-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:54:50 2018	4167639	tf43t2_atstprog-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:55 2018	2213148	tf43t2_rgrid-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:54:22 2018	5073390	tf43t2_testadj-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:53:07 2018	5577746	ut43t2_911-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:53:26 2018	8342498	ut43t2_addozaer-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:51:55 2018	8487614	ut43t2_addsurf-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:32 2018	7750128	ut43t2_cloud-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:58:25 2018	9241246	ut43t2_combi-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:29 2018	26941	ut43t2_dategrib-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:26 2018	6563390	ut43t2_gobptout-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:55:08 2018	919451	ut43t2_icegrb-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:56:45 2018	13001007	ut43t2_inversion-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:53:22 2018	937684	ut43t2_lectbdap-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:21 2018	9560362	ut43t2_pinuts-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:39 2018	6671805	ut43t2_progrid-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:55:12 2018	84140	ut43t2_sstnetcdf-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:58:52 2018	4452056	xr43t2_ddhc-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:57:35 2018	1326092	xr43t2_ddhr-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:54:54 2018	1421603	xr43t2_ddht-bf.08	IMPI512IFC1601.2y.exe
Fri May 25 07:53:12 2018	11422757	xr43t2_lfitools-bf.08	IMPI512IFC1601.2y.exe