

LFM-MIX-1.0.4

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Released December 4, 2009

Download:

- [LFM-MIX-1_0_4-pre_valid.tar.gz](#) (Login required; email schmitt <at> ucar <dot> edu for an account)
md5 checksum: 060056784fa00454e8cfee00a4d9a777
- To upgrade from a previous release:
 - Note: You should be able to re-use any prerequisites built for a previous LFM-MIX release.
 - un-tar the code into LFM-MIX-1_0_4-pre_valid
 - copy your Make . \$MACHINE file into LFM-MIX-1_0_4-pre_valid/env/
 - To ensure the install works properly on your system, we recommend that you run the standard tests, starting with [the unit tests](#), and proceed to [test the LFM](#) and [LFM-MIX](#).

Change log

- Repository revision: 1185
- Changes
 - New default values for MIX input parameters alpha (1.03), beta (2.5) and R (5.56e-2) (r1174, r1182, r1184)
- Bug fixes:
 - MIX conductance model fixes (r1174)
 - Fixing segfault in MSPHERE at LFM-MIX startup in certain environments (r1126, r1149)
 - "pole boundary condition" fix (r1137)
 - Slava's "cap on hall conductance" fix (r1136)
 - fixing faulty start/stop time logic for IDL ACE & OMNI solar wind input processing scripts (r1132)
 - Added build environment for 53x48x64 on 24 processors (r1118)
 - Fix from John Lyon and Slava Merkin for dealing with magnetic fluxes along the X axis (r881)
- Notes
 - The "BaseRun" files in the runs/ directories have not been updated with r1185 runs yet. We will either add these later or wait until version 1.0.5 for this update.