LIS Framework “End-to-End” Testcase Setup

Compilers and libraries used for the testcase

Fortran compiler: Intel version 14 (14.0.3.174)

Parallel setup: MPI version (5.0.3.048)

Libraries:

ESMF, version 5.2
GRIB-API, version 1.12.3
NetCDF, version 4.3.3.1
HDF4, version 4.2.11
HDFEOS, version 2.19v1
HDF5, version 1.8.14
JASPER, version 1.900
GDAL, version 2.0.0
FORTRAN-GIS, version 2.4

LIS configure script – select the default settings, for example:

```
Setting up configuration for LIS version 7.2r...
Parallelism (0-serial, 1-dmpar, default=1): 1
Optimization level (-3=strict checks with warnings, -2=strict checks, -1=debug, 0,1,2,3, default=2): 2
Assume little/big_endian data format (1-little, 2-big, default=2): 2
Use GRIBAPI/ECCODES? (0-neither, 1-gribapi, 2-eccodes, default=1): 1
Enable AFWA-specific grib configuration settings? (1-yes, 0-no, default=0): 0
Use NETCDF? (1-yes, 0-no, default=1): 1
NETCDF version (3 or 4, default=4): 4
NETCDF use shuffle filter? (1-yes, 0-no, default = 1): 1
NETCDF use deflate filter? (1-yes, 0-no, default = 1): 1
NETCDF use deflate level? (1 to 9-yes, 0-no, default = 9): 9
Use HDF4? (1-yes, 0-no, default=1): 1
Use HDF5? (1-yes, 0-no, default=1): 1
Use HDFEOS? (1-yes, 0-no, default=1): 1
Use MINPACK? (1-yes, 0-no, default=0): 0
Use LIS-CRTM? (1-yes, 0-no, default=0): 0
Use LIS-CMEM? (1-yes, 0-no, default=0): 0
Use LIS-LAPACK? (1-yes, 0-no, default=0): 0
-----------------------------------------------------
 configure.lis file generated successfully
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Settings are written to configure.lis in the make directory.
If you wish to change settings, please edit that file.
```

Note: For LDT, LIS and LVT configurations for this test case, default settings were selected.