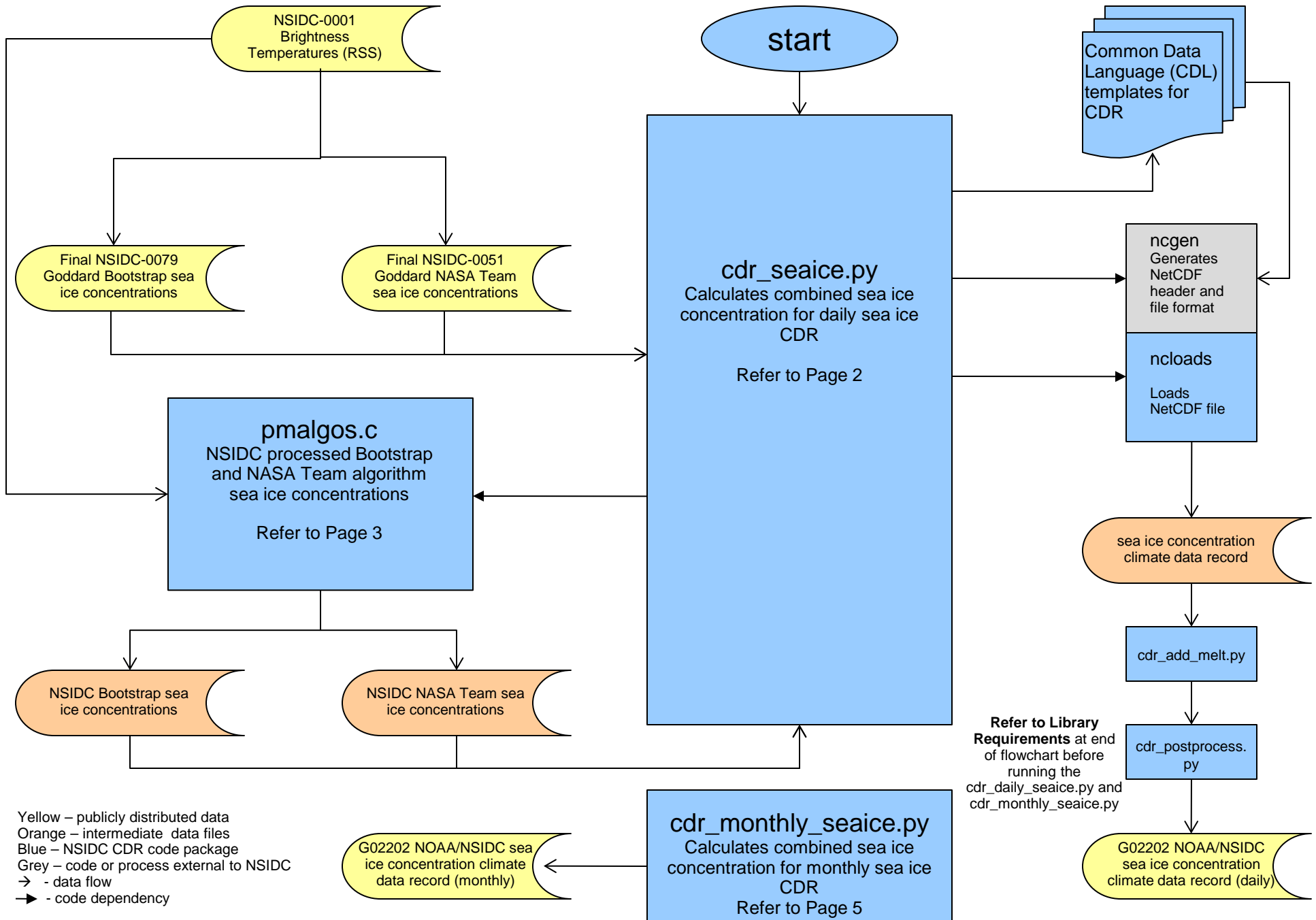
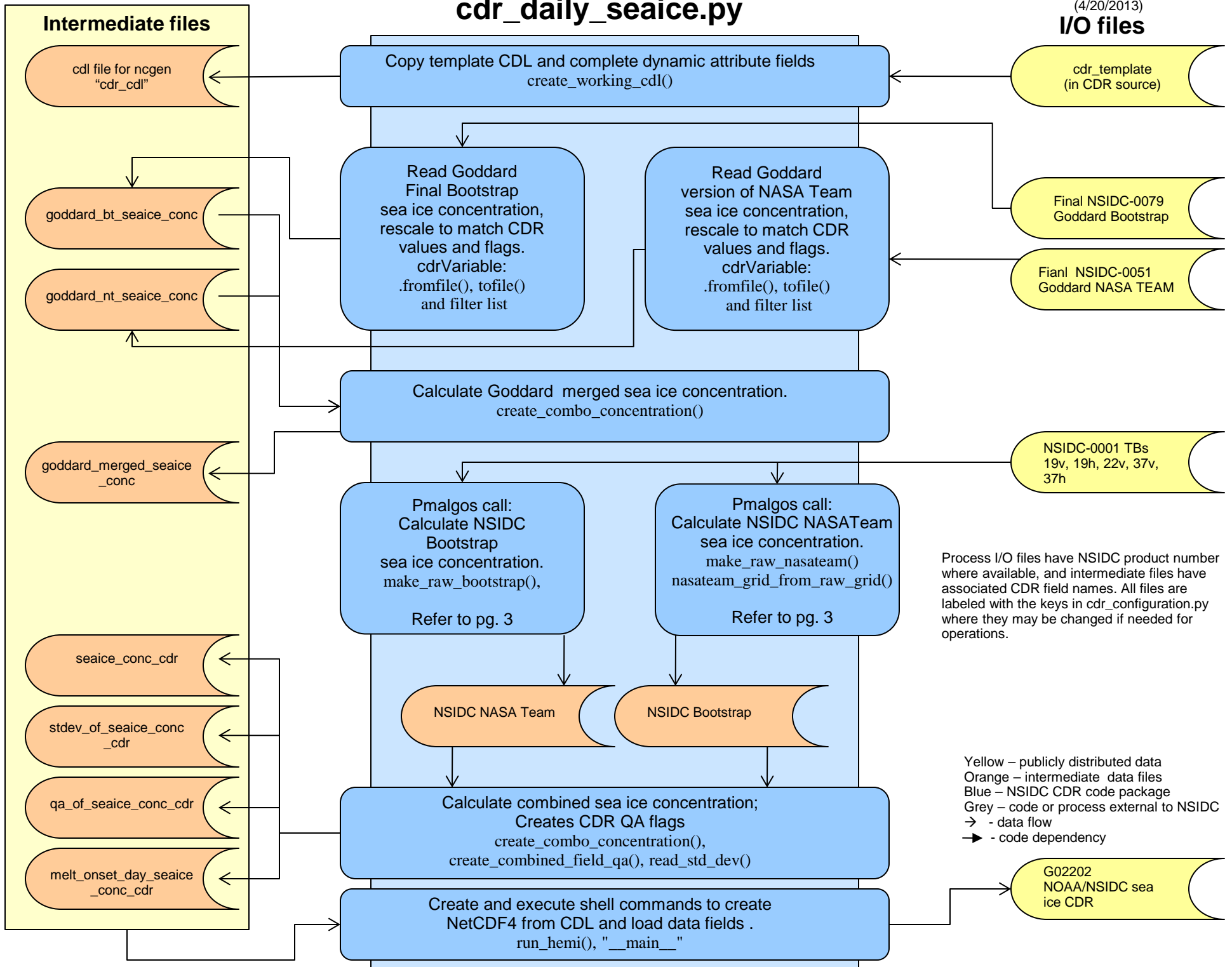


Sea Ice Concentration CDR Processing Flowchart

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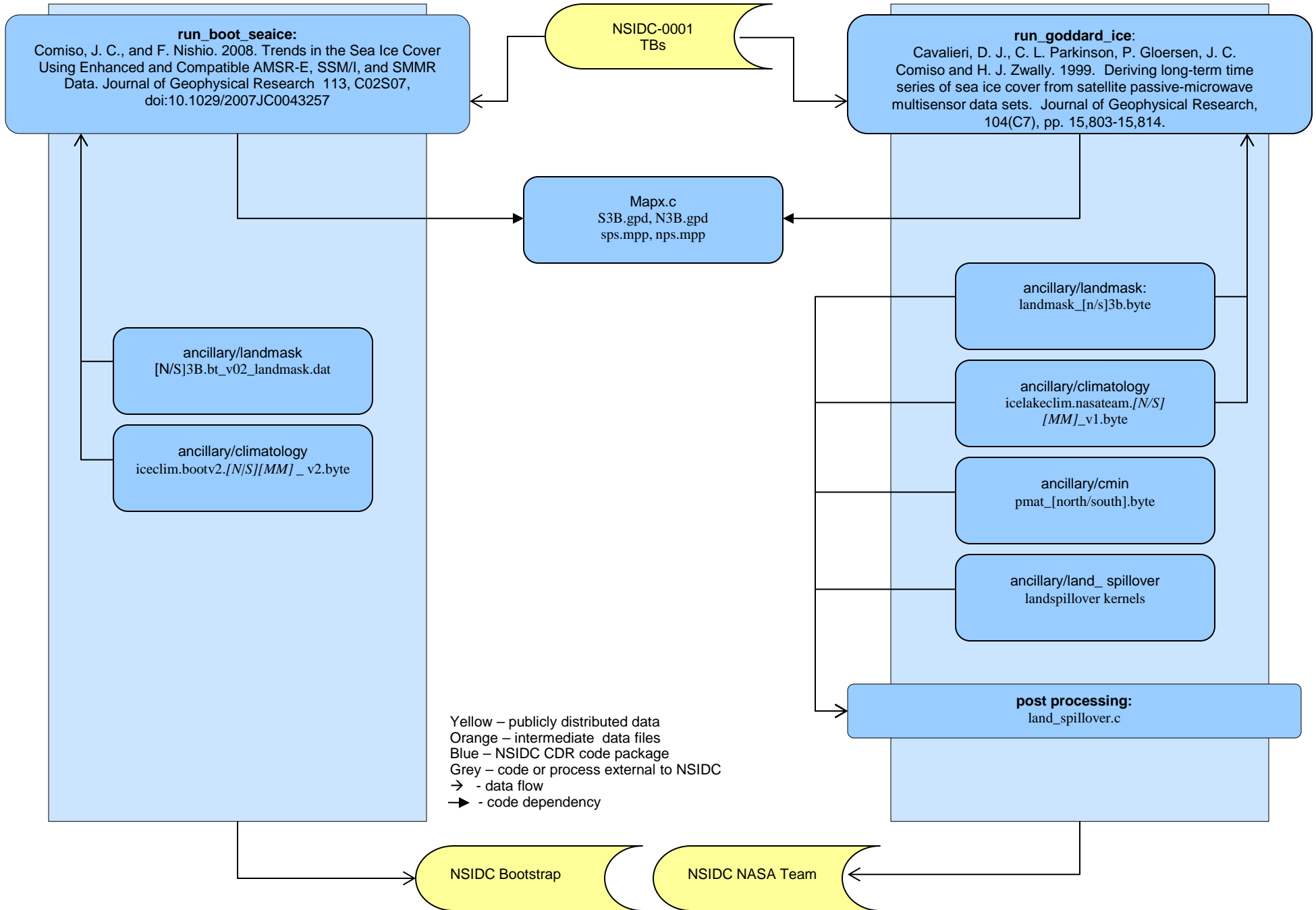


cdr_daily_seaice.py



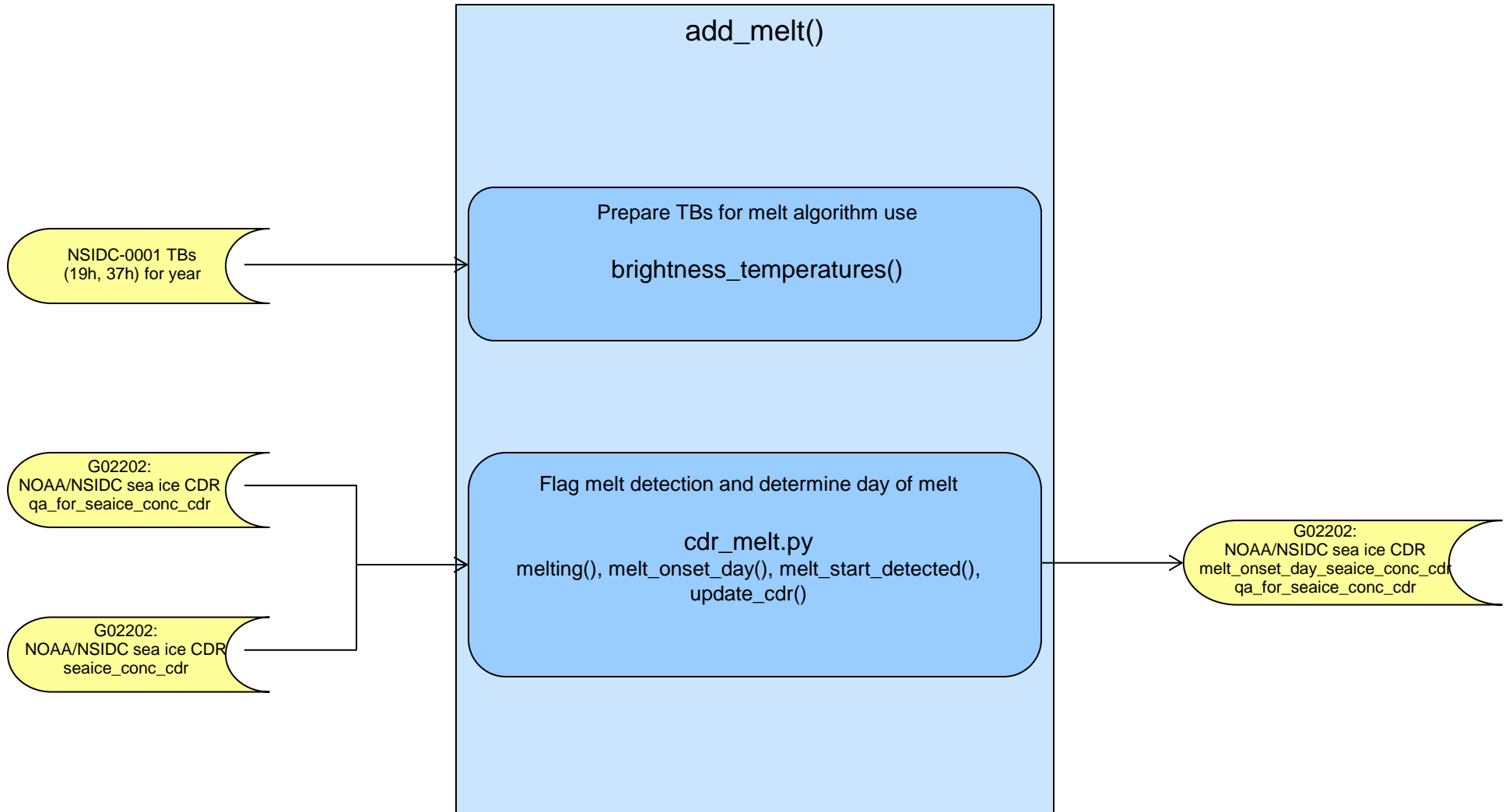
Bootstrap

NASA Team



cdr_add_melt.py

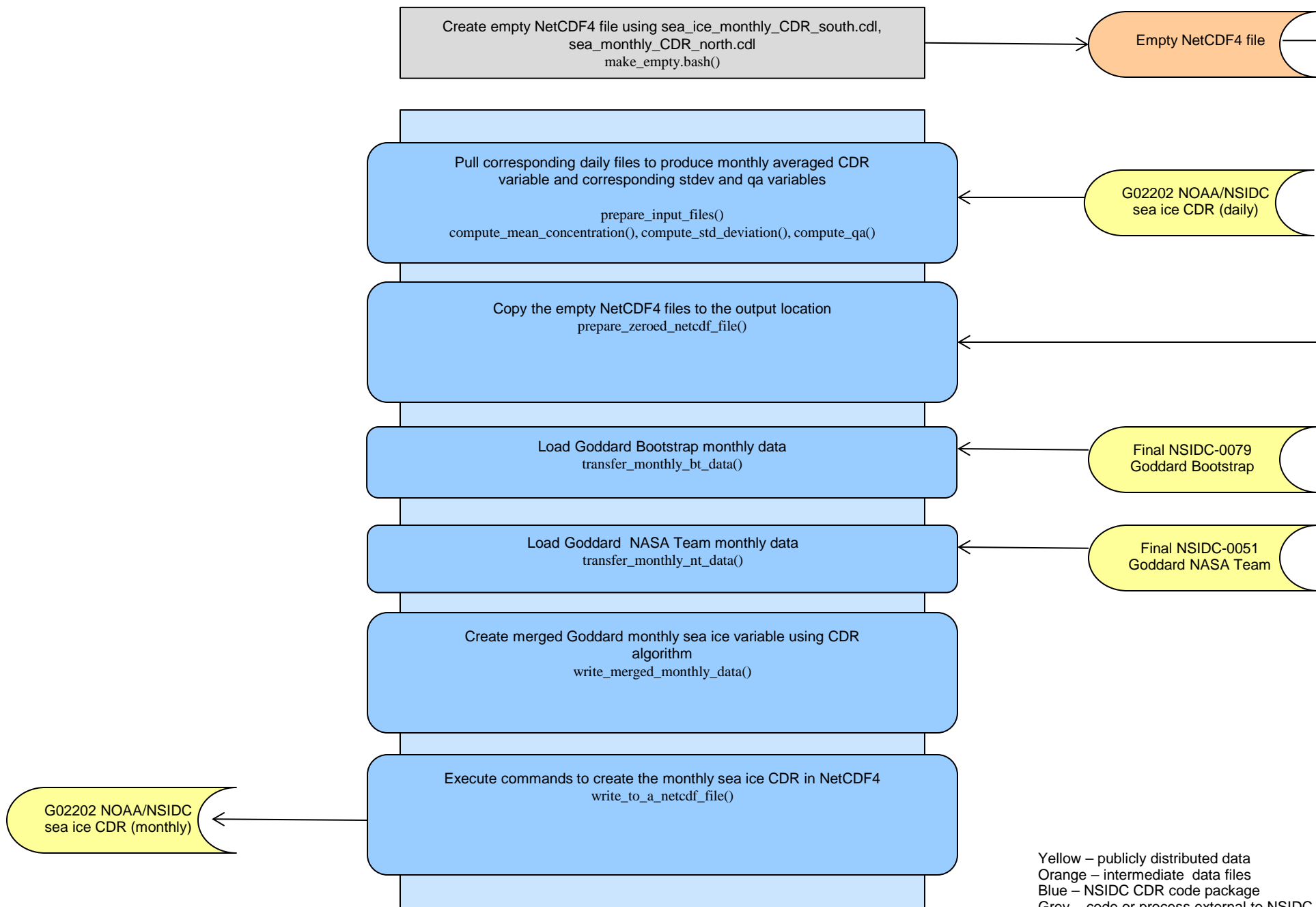
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Yellow – publicly distributed data
Orange – intermediate data files
Blue – NSIDC CDR code package
Grey – code or process external to NSIDC
→ - data flow
➔ - code dependency

cdr_monthly_seaice.py

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Yellow – publicly distributed data
Orange – intermediate data files
Blue – NSIDC CDR code package
Grey – code or process external to NSIDC
→ - data flow
➔ - code dependency

Library Requirements

The following libraries are required to run the `cdr_daily_seaice.py` and `cdr_monthly_seaice.py`

Core Libraries:

netcdf-4.2 http://www.unidata.ucar.edu/blogs/news/entry/netcdf_4_2_release

hdf5 1.8.8

<http://www.hdfgroup.org/ftp/HDF5/prev-releases/hdf5-1.8.8/src/>

gzip 2.1

<http://www.hdfgroup.org/ftp/lib-external/gzip/2.1/src/>

Python Libraries:

argparse 1.2.1 <https://pypi.python.org/pypi/argparse>

mock 1.0.1 <https://pypi.python.org/pypi/mock>

numpy 1.6.1

<http://sourceforge.net/projects/numpy/files/NumPy/>

netCDF4-python 0.0.9

<http://code.google.com/p/netcdf4-python/downloads/list>

unittest2 0.5.1

<http://pypi.python.org/pypi/unittest2>

Note: Core libraries must be installed prior to the use of netcdf4-python library.