**Class map**

INCLUDES which include nothing else – level 00

amsr.h

avhrr.h

fromall.h

fromcfs.h

from.h

icegrids.h

ssmi.h

ssmisu.h

(Fortran includes:)

clib.inc

locale.inc

icegrid.global

icegrid.global5min

icegrid.north

icegrid.north12

icegrid.south

icegrid.south12

Basal mmablib classes – include only cstd files or standard c files:

params.h

points.h

grib.h

gshhs.h – from gshhs data set, UHA-SOEST (terminal)

mvector.h

Level 1 – include only above groups:

ssmisclass.h ← 0ssmisu.h, 0points.h, 0params.h

color.h ← 0points, 0mvector

grid\_base.h ← 0points.h, 0mvector.h

genes.h ← 0points.h, 0mvector.h (terminal)

buoy.h ← 0points.h, 0params.h (terminal)

datavectors ← 0mvector.h (terminal)

time\_series ← 0mvector.h (terminal)

Level 2 – include only levels 00, 0, 1:

grid\_math.h ← 1color.h, 1grid\_base.h

Level 3

grid3.h ← 1grid\_base, 2grid\_math, 0mvector.h, 0points.h, 1color.h

amsrice.h ← 2grid\_math.h, 0amsr.h, 0params.h (terminal)

icessmis.h ← 2grid\_math.h, 0ssmisu.h, 1ssmisclass.h, 0params.h (terminal)

circular (mutually terminal):

ssmiclass.h ← 0points.h, 0params.h, 0ssmi.h, icessmi.h

icessmi.h ← 2grid\_math.h, ssmiclass.h, 0ssmi.h, 0params.h

metric – circular with many others – drop inclusion of subtypes

metric.h ← 2grid\_math,h, 0grib.h, 0params.h, 0fromall.h,

------------- lambert.h, eta.h, gaussian.h, psgrid.h, llgrid.h, mercator.h

particular metricgrids (L4):

llgrid ← metric.h, 2grid\_math.h, 0grib.h, 0params.h

mercator ← metric.h, 2grid\_math.h, 0grib.h, 0params.h

psgrid ← metric.h, 2grid\_math.h, 0grib.h, 0params.h

gaussian ← metric.h, 0points.h, 0mvector.h, 0grib.h

eta ← 0params.h, 0grib.h, 1color.h, 0points.h, 0mvector.h, 1grid\_base, 2grid\_math, metric.h

lambert ← 0params.h, 0grib.h, 1color.h, 0points,h, 0mvector.h, 1grid\_base, 2grid\_math, metric.h

nmmb ← 0params.h, 0grib.h, 1color.h, 0points.h, 0mvector.h, 1grid\_base, 2grid\_math, metric.h

walcc.h ← metric.h

resops.h ← metric.h

cofs.h ← 0points.h, 0params.h, 0mvector.h, 0grib.h, 3grid3.h, metric.h, 0fromcfs.h, 0from.h

Higher/final level (L5):

ncepgrids.h ← walcc.h, 0points.h, 0mvector.h, 0grib.h, 3grid3.h, metric.h

legacy.h ← 0points.h, 0mvector.h, 0grib.h, 3grid3.h, metric.h, resops.h