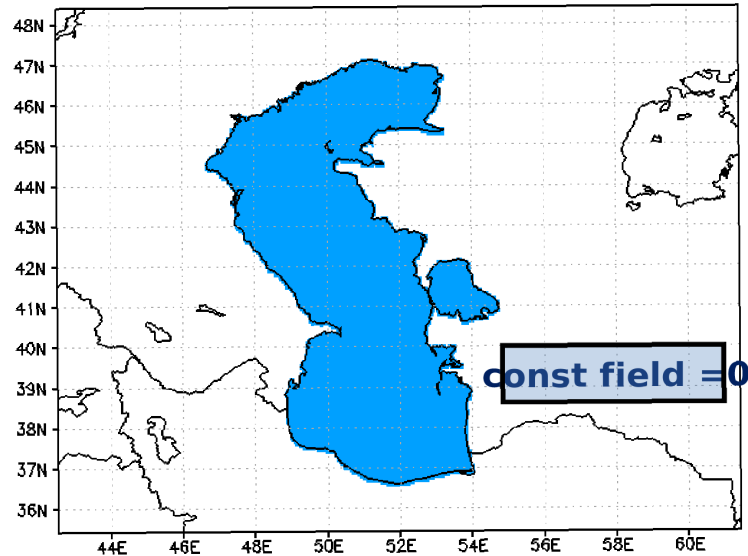# Ice in Caspian Sea- Gary (06/28/2013)
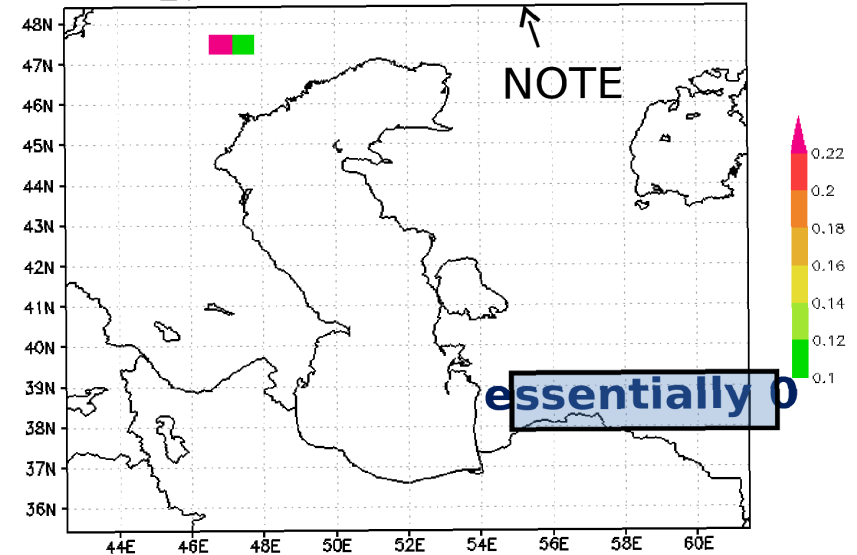

OSTIA dataset Sea-ice fraction, Jan. 2013
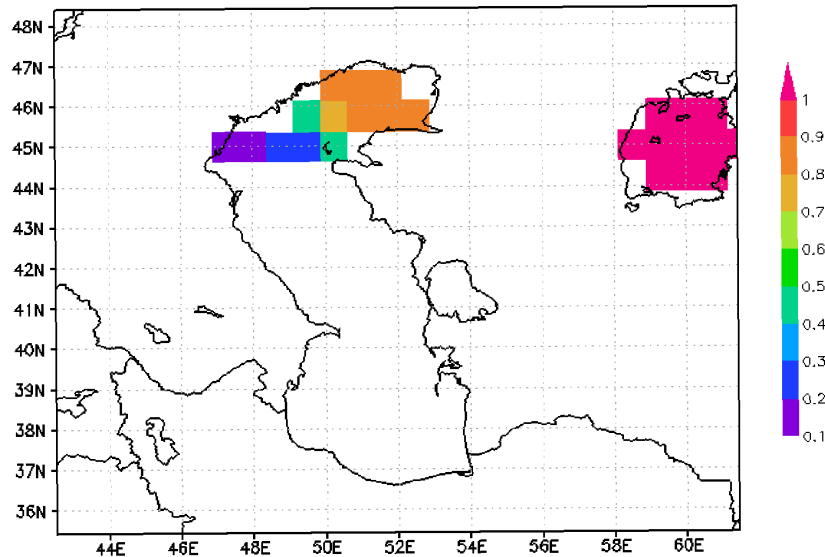
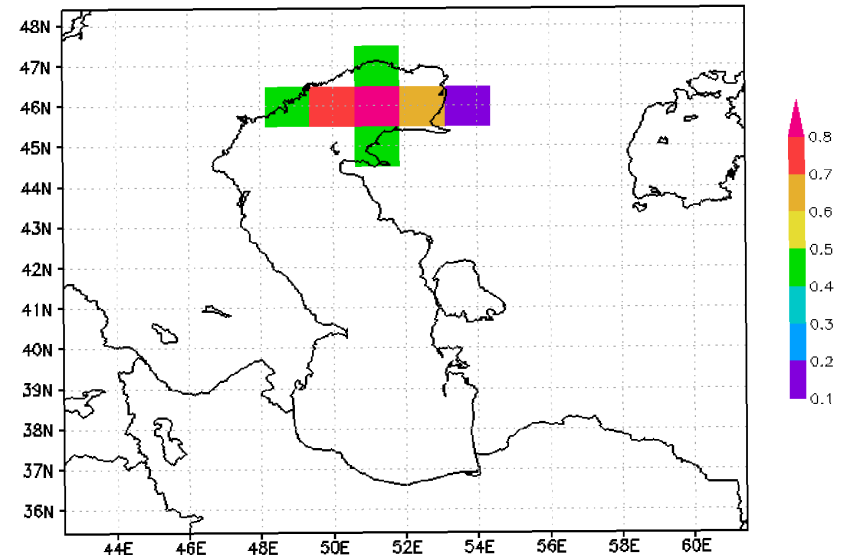const field =0

d591_fpit Sea-ice fraction X 10(3), Jan. 2013

NOTE

essentially 0

ECMWF Sea-ice fraction, Jan. 2013

NCEP Sea-ice fraction, Jan. 2013

Ice in Caspian Sea- data

From 1x1 deg weekly Reynolds:
http://www.esrl.noaa.gov/psd/data/gridded/data.noaa.oisst.v2.html
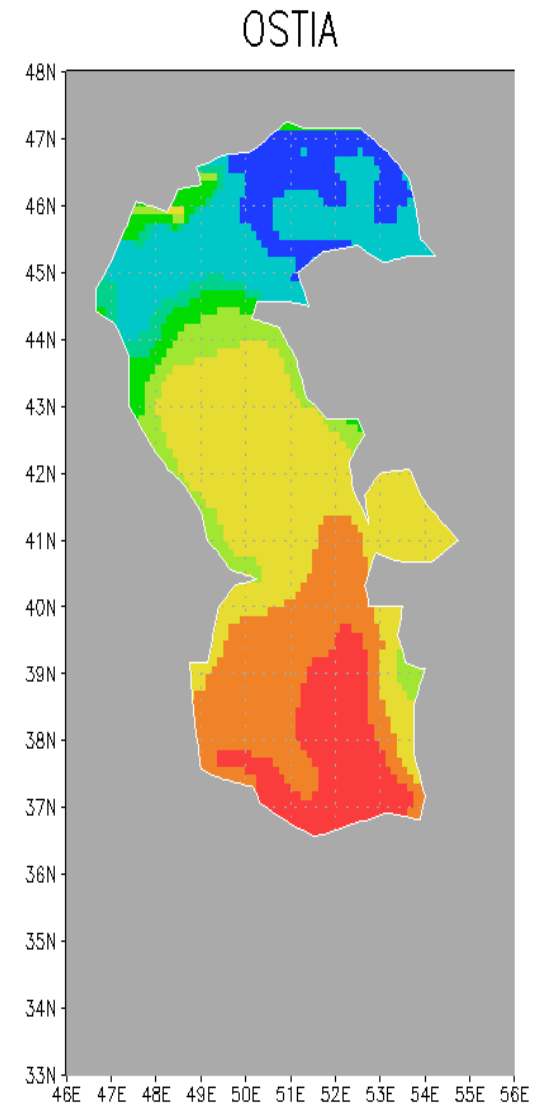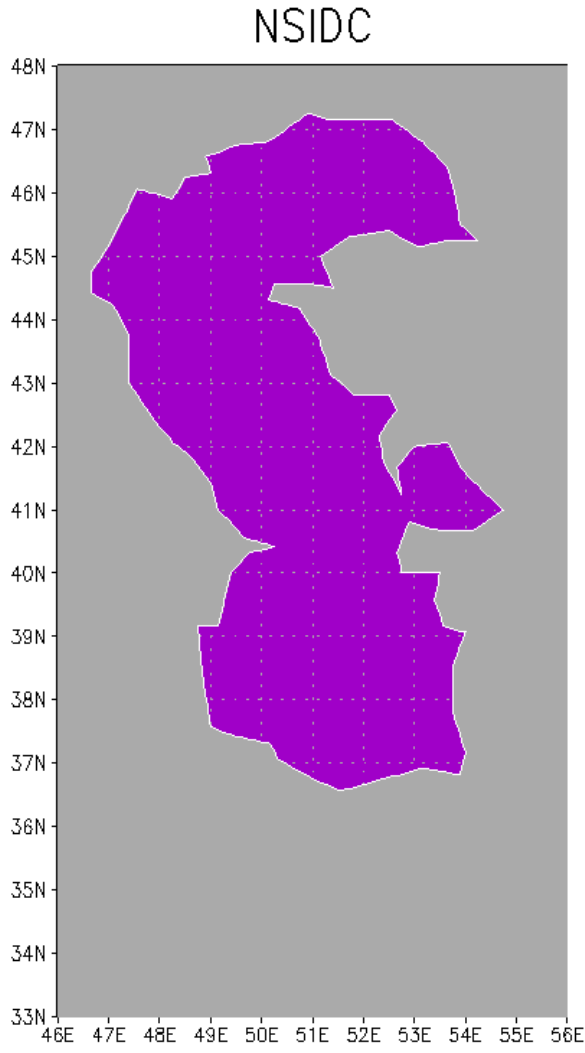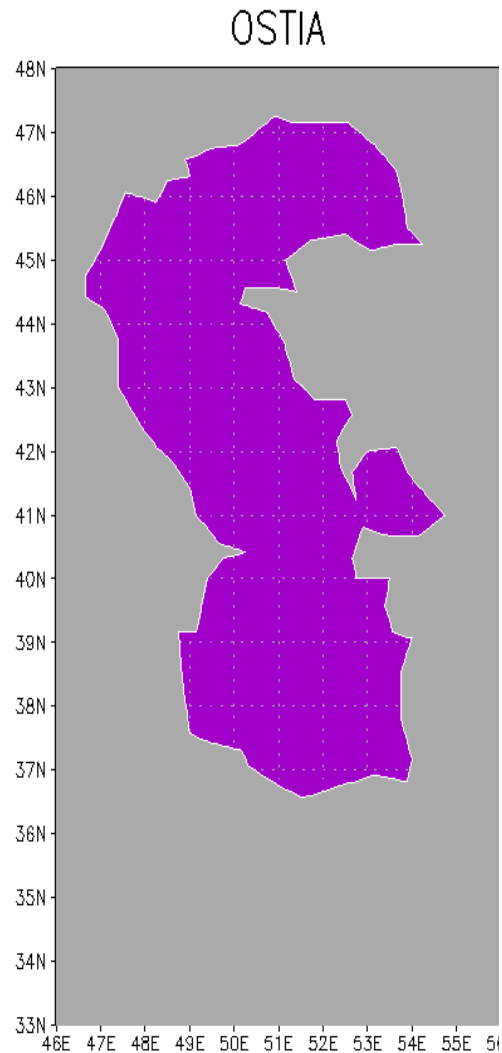
Monthly mean of Jan 2013 ice concentration (%)

North Caspian:
Indeed there is ice!

1/4 deg. Daily Reynolds
Caspian ice con = 0.

Plots from current code
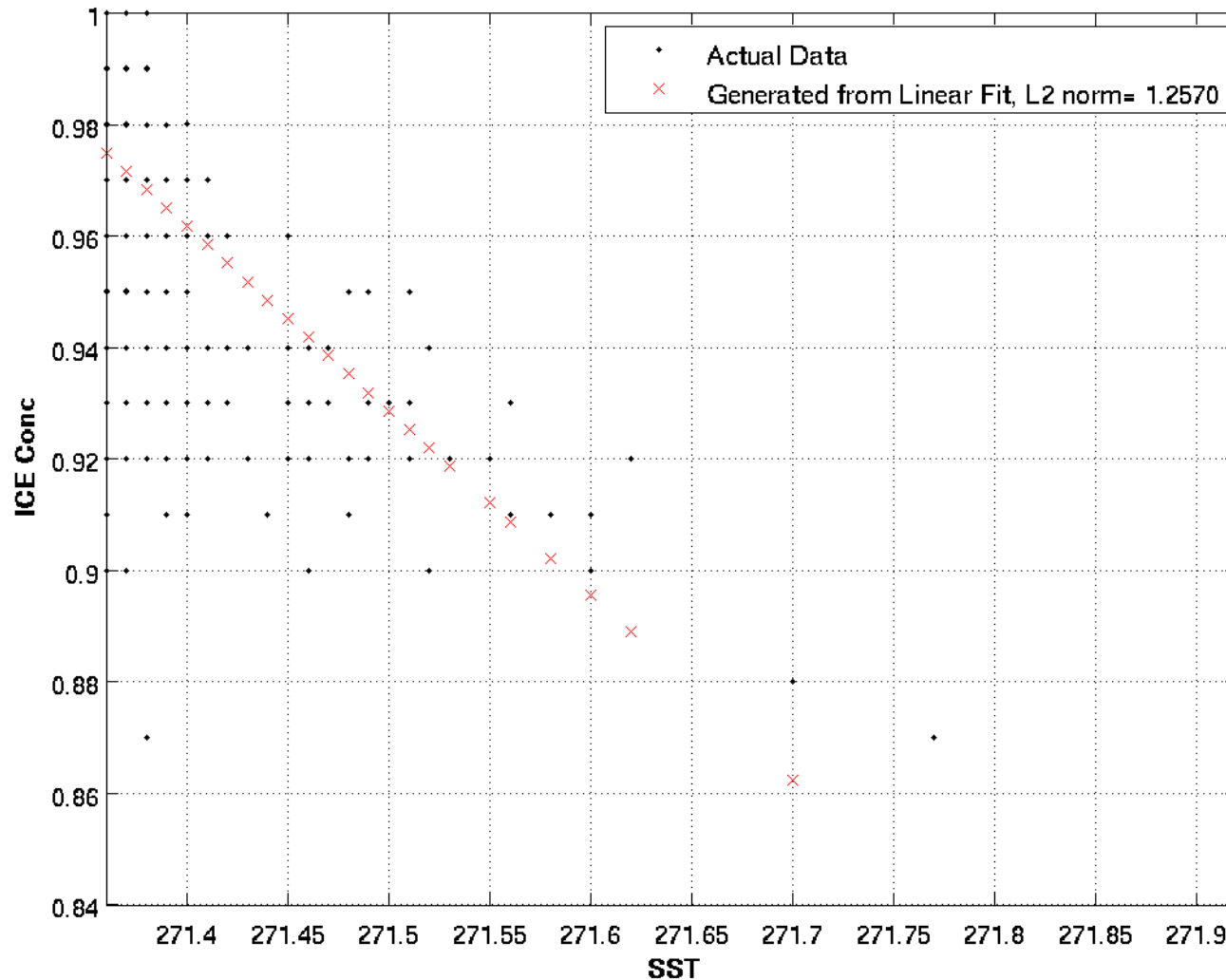
Monthly mean of Jan 2013: ice concentration, SST

Empirical fits based on Weekly Reynolds

Caspian Sea: Jan, Feb, Mar, Nov, Dec
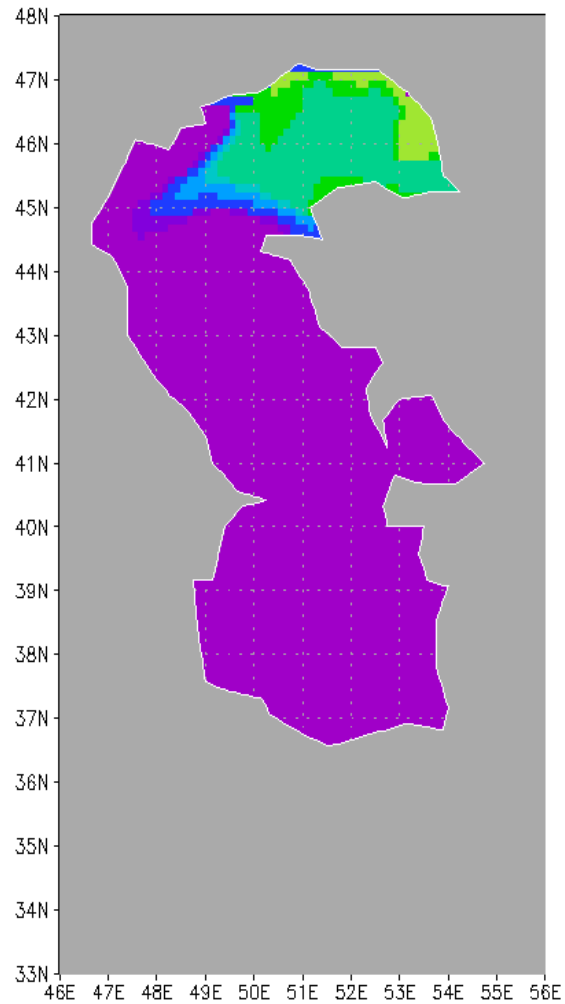
Data between
1982- 2000 was
used to generate a fit

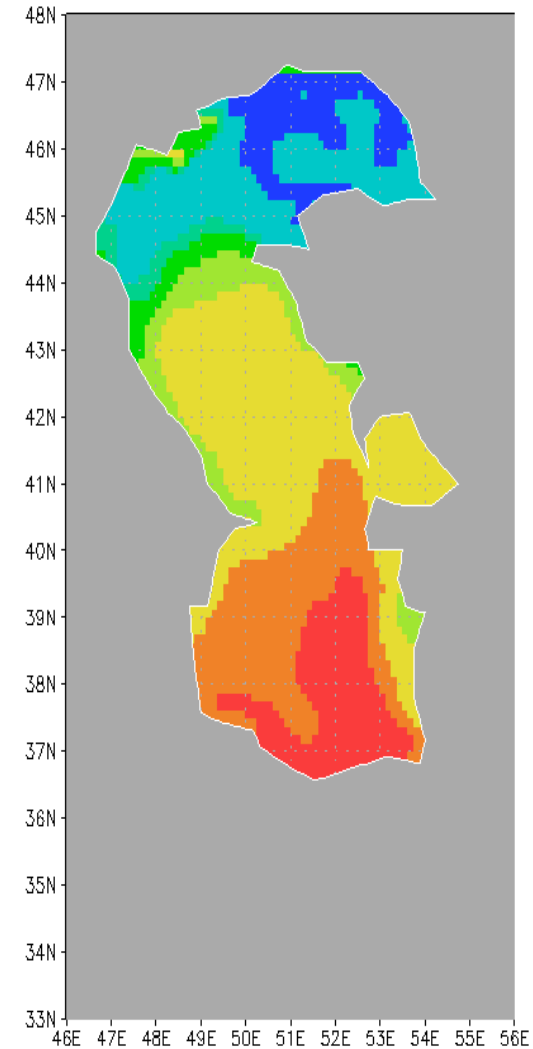and tested against
2001- 2013 data
as shown

Plots from new code
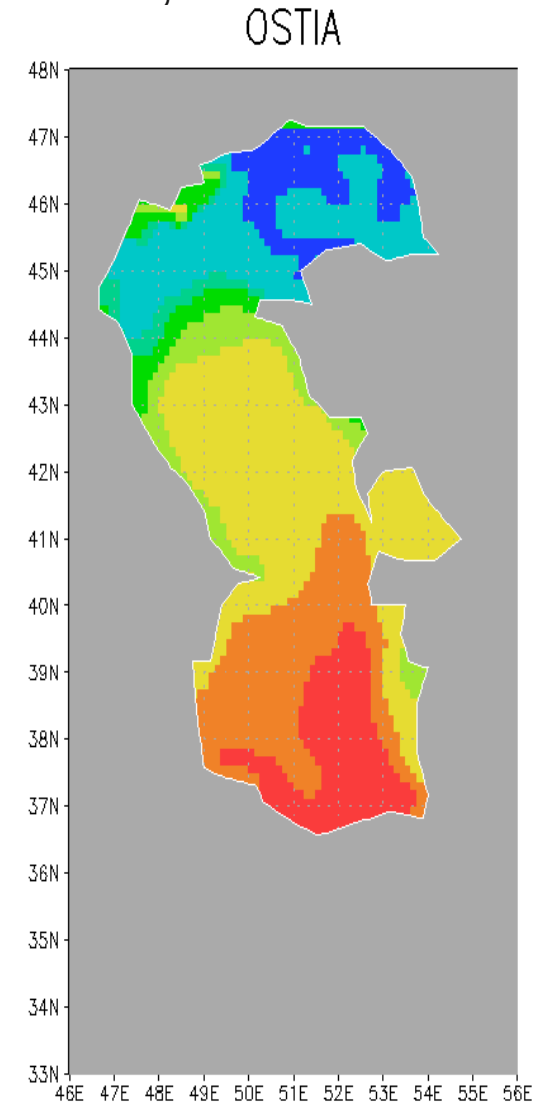
Monthly mean of Jan 2013: ice concentration, SST

Plots from new code

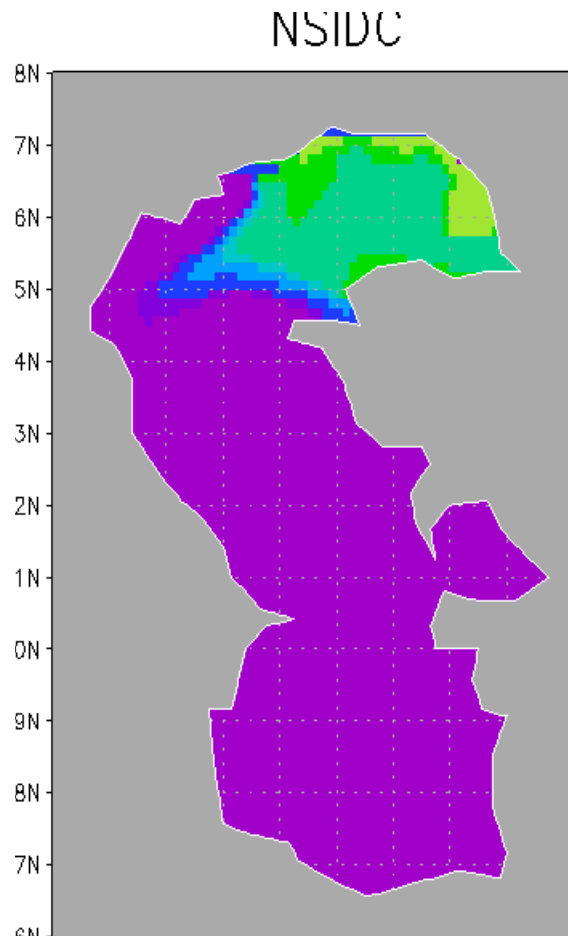Monthly mean of Jan 2013: ice concentration, SST

Since there is no ice data in OSTIA & NSIDC,
Empirical fit is used in both cases. Hence
They are SAME, as shown above.