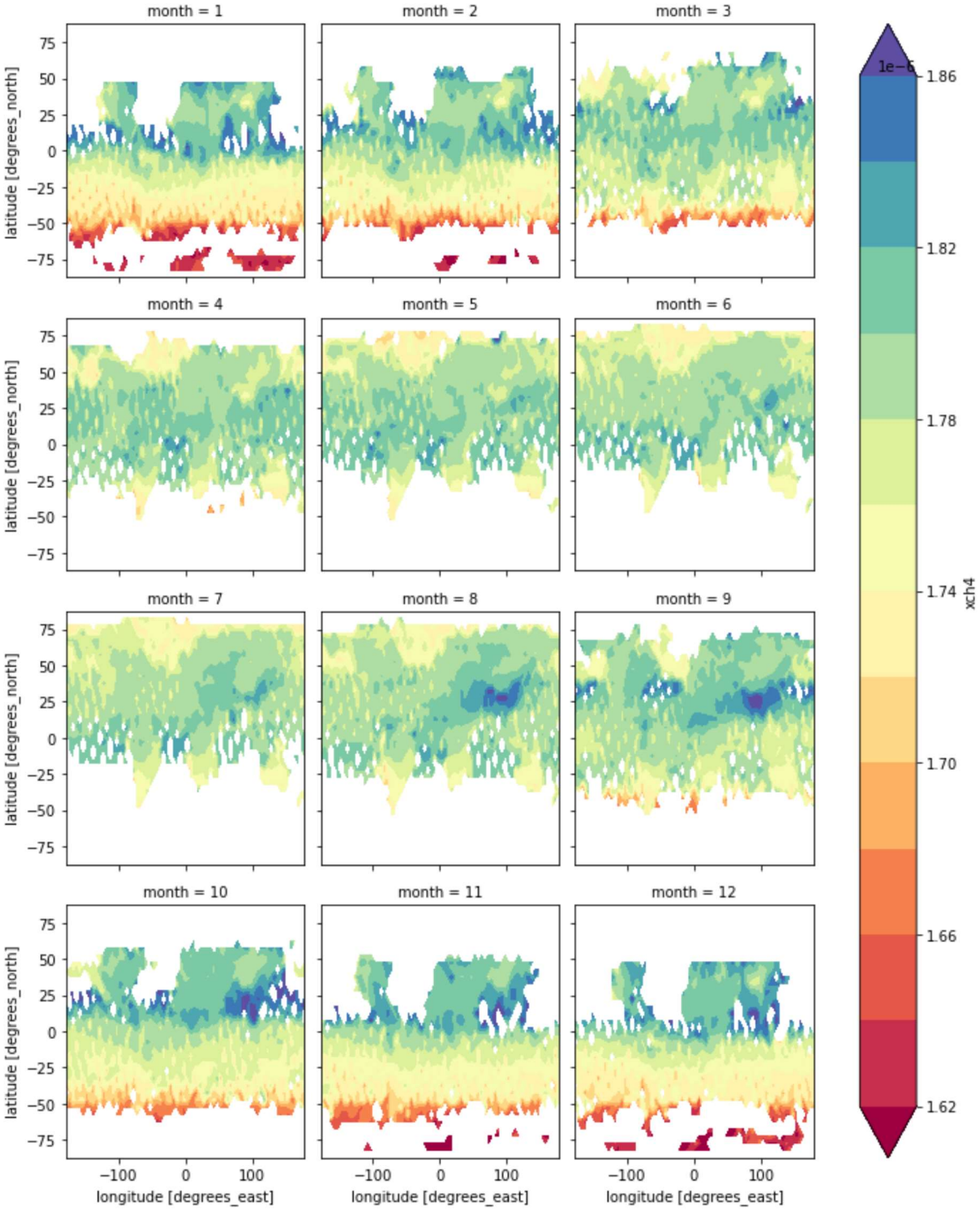
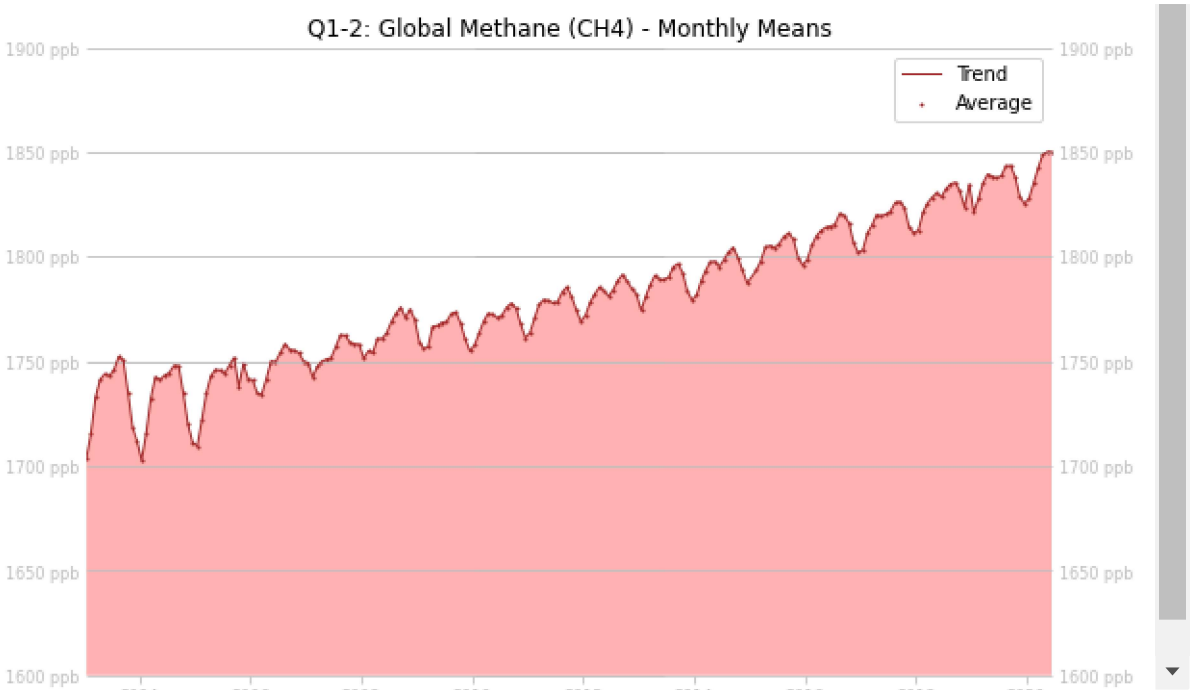
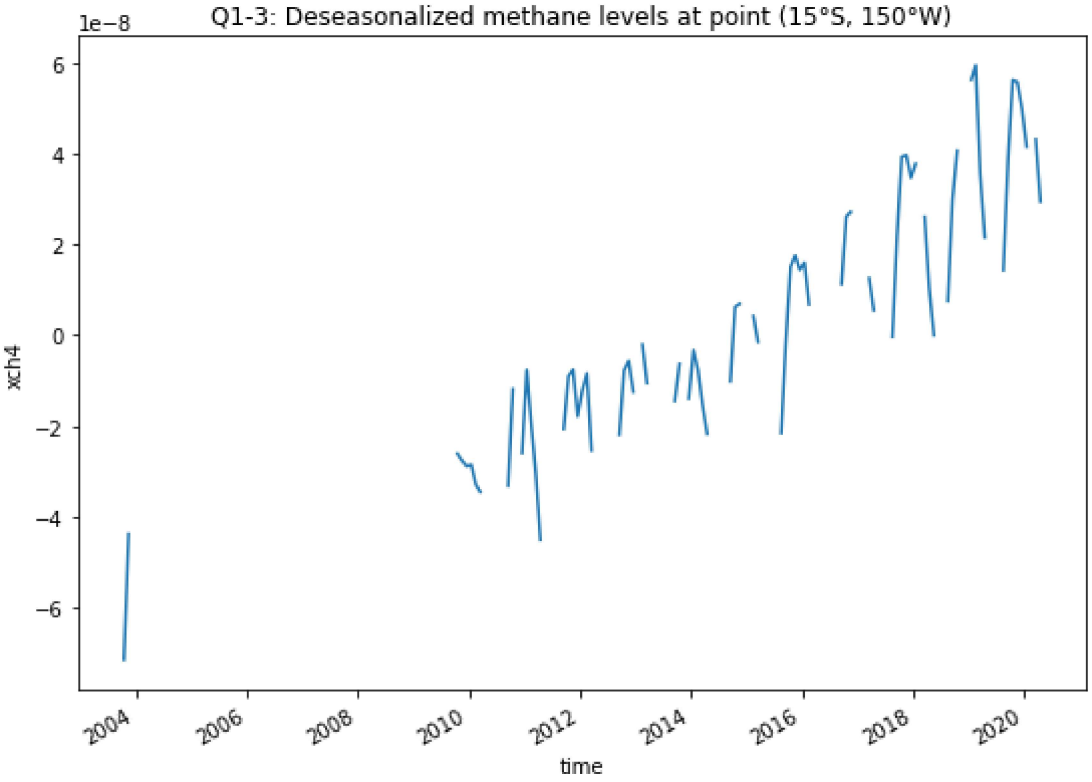
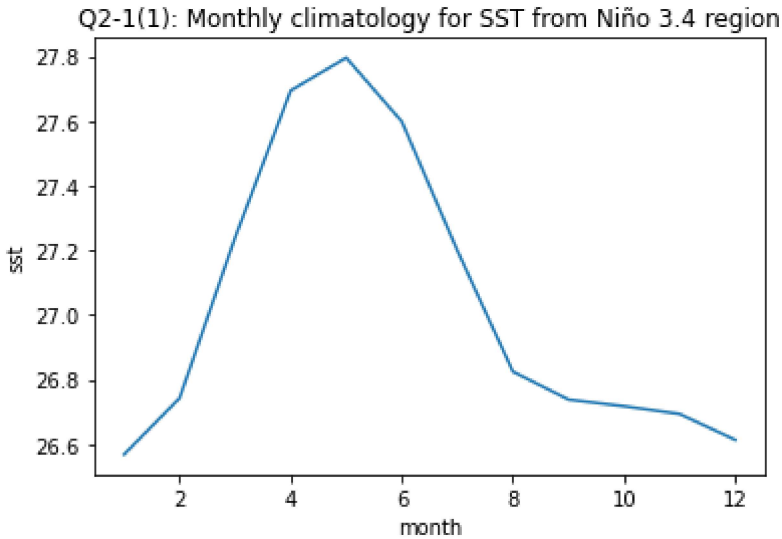
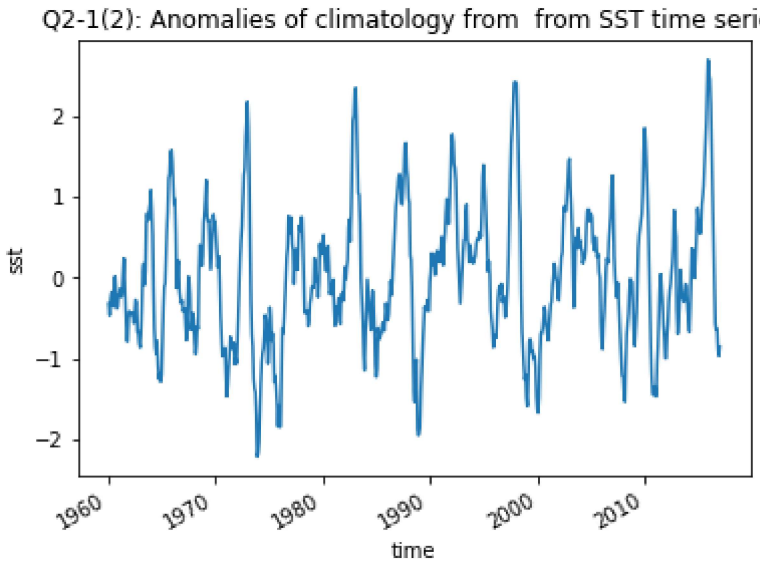
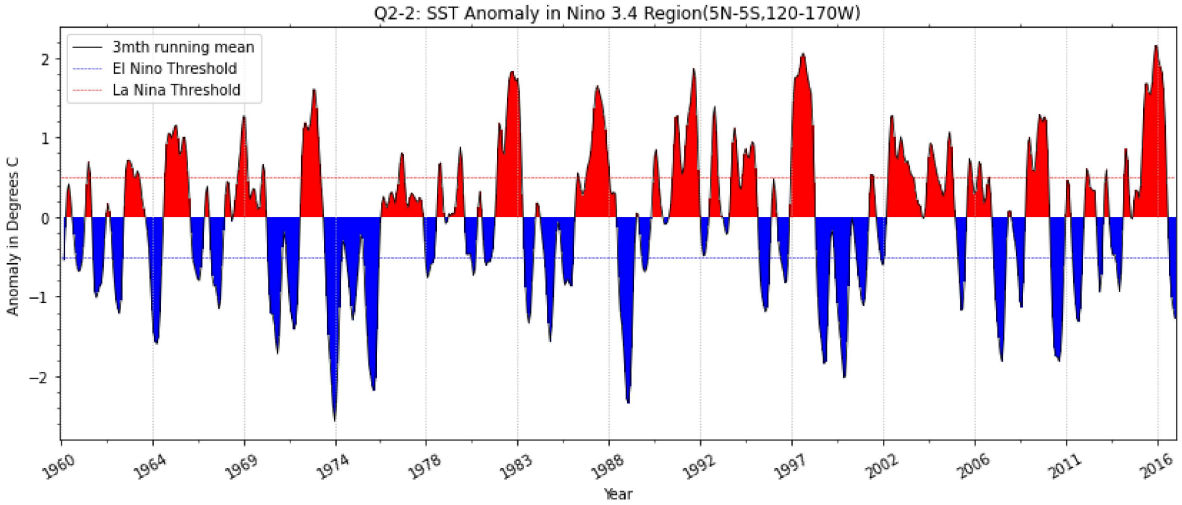

month = 1
month = 2
month = 3
month = 4
month = 5
month = 6
month = 7
month = 8
month = 9
month = 10
month = 11
month = 12
latitude [degrees_north]
75
50
25
0
−25
−50
−75
longitude [degrees_east]
−100
0
100
1e−6
1.86
1.82
1.78
1.74
1.70
1.66
1.62
xch4

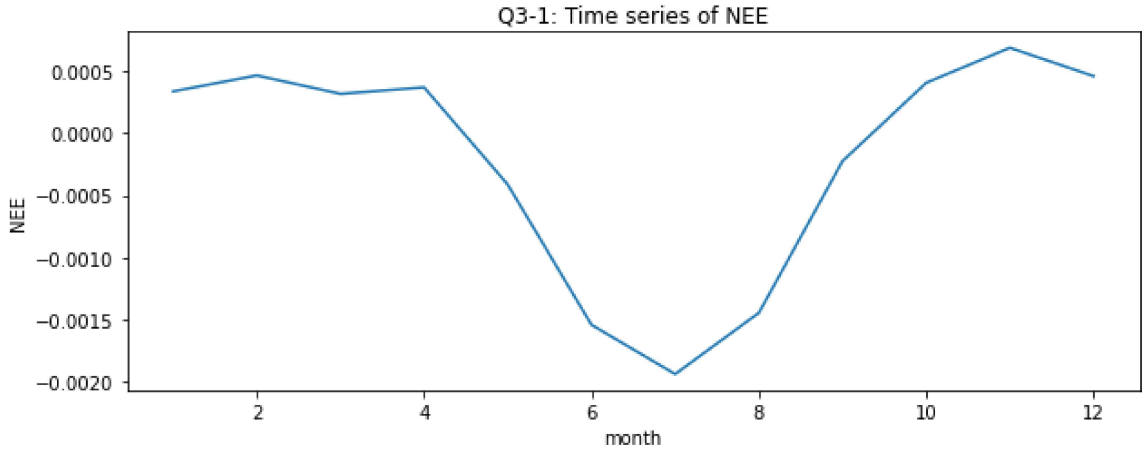

Q1-2: Global Methane (CH4) - Monthly Means
Trend
Average
1900 ppb
1850 ppb
1800 ppb
1750 ppb
1700 ppb
1650 ppb
1600 ppb

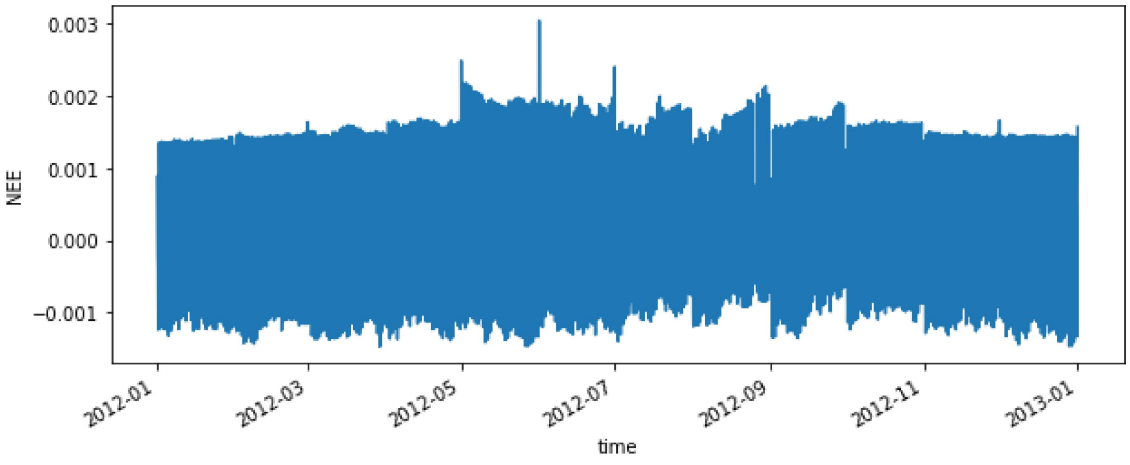

Q1-3: Deseasonalized methane levels at point (15°S, 150°W)
1e−8
xch4
time
2004
2006
2008
2010
2012
2014
2016
2018
2020


Q2-1(1): Monthly climatology for SST from Niño 3.4 region
sst
month

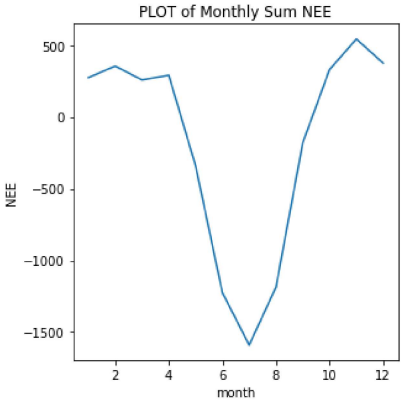

Q2-1(2): Anomalies of climatology from from SST time series
sst
time
2
1
0
−1
−2
1960
1970
1980
1990
2000
2010

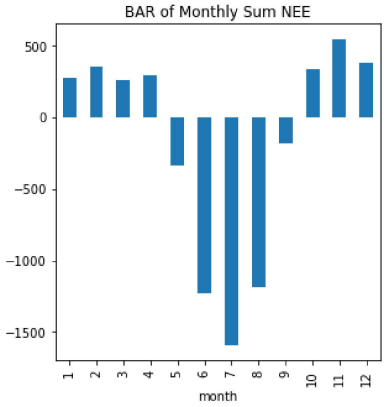

Q2-2: SST Anomaly in Nino 3.4 Region(5N-5S,120-170W)
3mth running mean
El Nino Threshold
La Nina Threshold
Anomaly in Degrees C
Year
2
1
0
−1
−2
1960
1964
1969
1974
1978
1983
1988
1992
1997
2002
2006
2011
2016

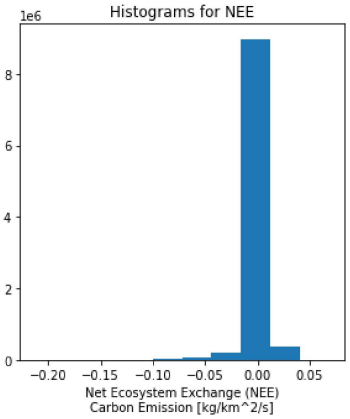

Q3-1: Time series of NEE
NEE
month
0.0005
0.0000
−0.0005
−0.0010
−0.0015
−0.0020
2
4
6
8
10
12

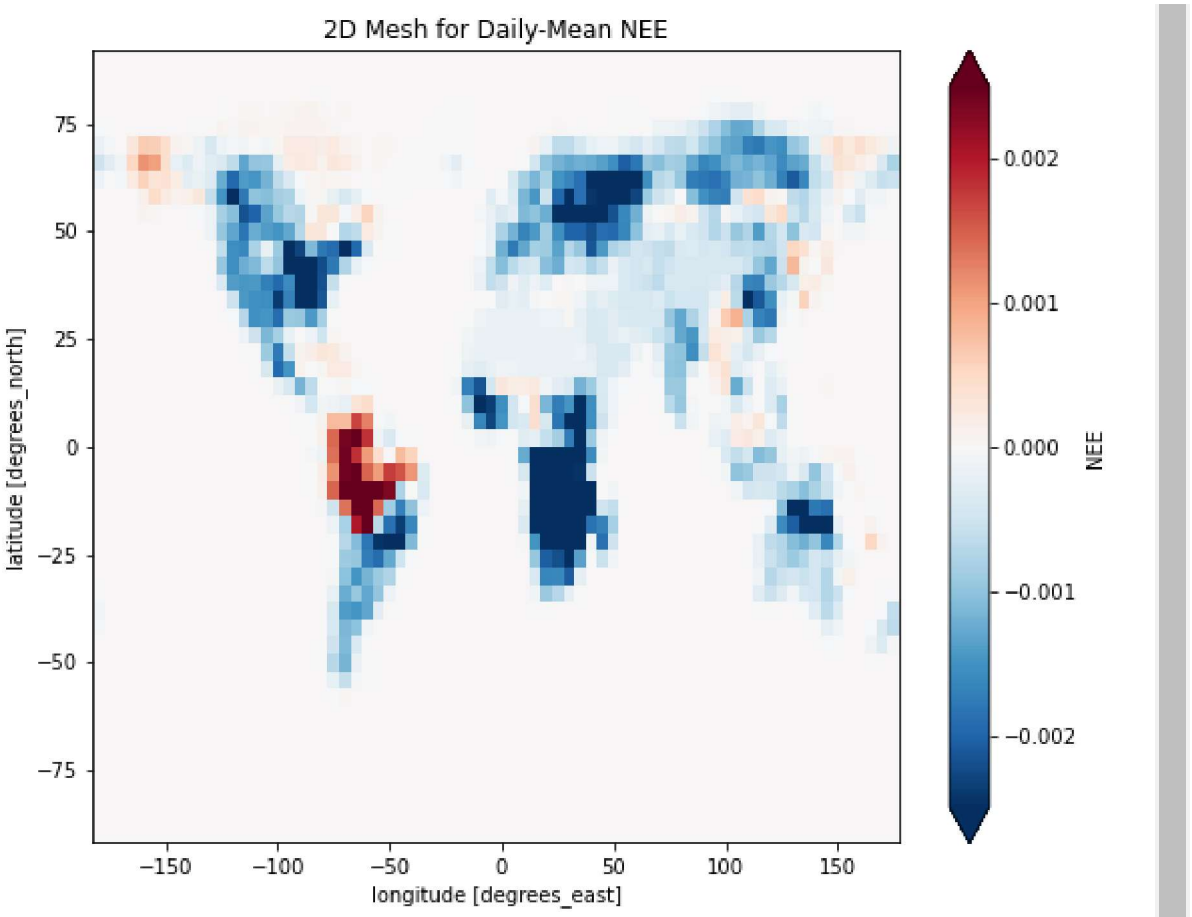

NEE
time
0.003
0.002
0.001
0.000
−0.001
2012-01
2012-03
2012-05
2012-07
2012-09
2012-11
2013-01

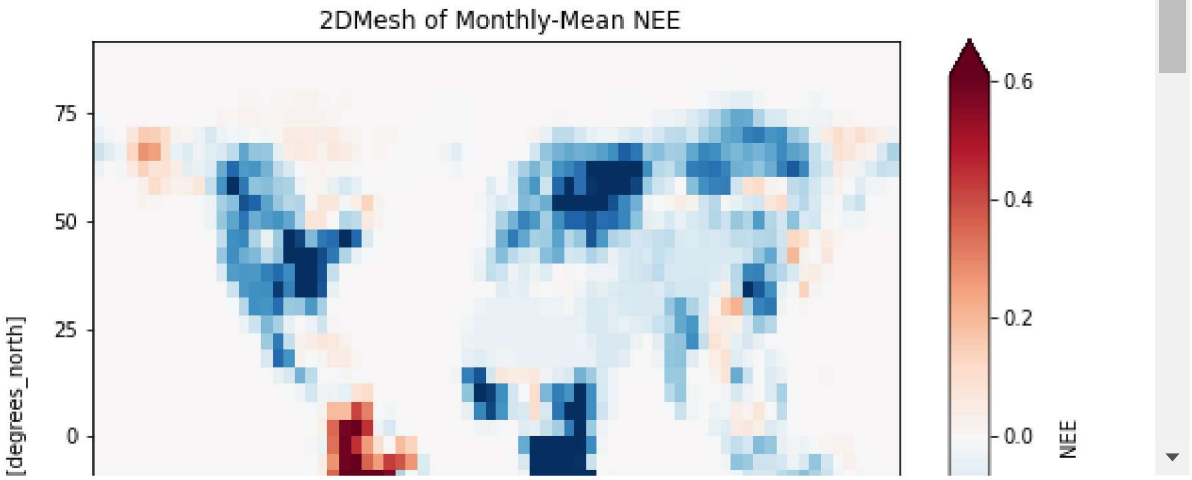
Q3-2: 5 different plots








2D Mesh for Daily-Mean NEE
latitude [degrees_north]
75
50
25
0
−25
−50
−75
−150
−100
−50
0
50
100
150
longitude [degrees_east]
0.002
0.001
0.000
−0.001
−0.002
NEE


2DMesh of Monthly-Mean NEE
[degrees_north]
75
50
25
0
0.6
0.4
0.2
0.0
NEE