Data Visualization Tutorial - Assignment 1

August 21 , 2021

Sea Surface data

- Sea Surface Salinity
- Sea Surface temperature
- Zonal Current
- Sea Surface height anomaly*
-

Text Editor
Sat 09:23
Open
001_29_Dec_2003.txt
~/Desktop/IIITB/I-Mtech-IIITB(Sem-7)/Viz.../drive-download-20200831T074914Z-001/SSS
Save

```
Total Number of Records          35156.
            DATA SET: /home/las/datasets/ocean_analysis/NRIG/ice_5day.nc
            GODAS-MOM OUTPUT
            X: 0.5 to 35156.5
 Column  1: DATETIME is Time String
 Column  2: TIME is Time Coordinates (days since 01-JAN-1901 00:00:00)   BAD FLAG : -1.E+34
 Column  3: LON is Longitude (degrees_east)   BAD FLAG : -1.E+34
 Column  4: LAT is Latitude (degrees_north)   BAD FLAG : -1.E+34
 Column  5: SSS is sea surface salinity (psu)   BAD FLAG : -1.E+34
DATETIME,TIME,LON,LAT,SSS
"29-DEC-2003",37617.5,29.8893,-29.7511,-1.E+34
"29-DEC-2003",37617.5,30.3817,-29.7511,-1.E+34
"29-DEC-2003",37617.5,30.8738,-29.7511,-1.E+34
"29-DEC-2003",37617.5,31.3656,-29.7511,-1.E+34
"29-DEC-2003",37617.5,31.8572,-29.7511,-1.E+34
"29-DEC-2003",37617.5,32.3484,-29.7511,-1.E+34
"29-DEC-2003",37617.5,32.8395,-29.7511,35.3312
"29-DEC-2003",37617.5,33.3302,-29.7511,35.3297
"29-DEC-2003",37617.5,33.8207,-29.7511,35.3269
"29-DEC-2003",37617.5,34.311,-29.7511,35.3411
"29-DEC-2003",37617.5,34.801,-29.7511,35.3848
"29-DEC-2003",37617.5,35.2908,-29.7511,35.4355
"29-DEC-2003",37617.5,35.7803,-29.7511,35.4671
```

```
Total Number of Records          34209.
            DATA SET: /home/las/datasets/ocean_analysis/NRIG/uv_5day.nc
            GODAS-MOM OUTPUT
            X: 0.5 to 34209.5
 Column  1: DATETIME is Time String
 Column  2: TIME is Time Coordinates (days since 01-JAN-1901 00:00:00)   BAD FLAG : -1.E+34
 Column  3: LON is Longitude (degrees_east)   BAD FLAG : -1.E+34
 Column  4: LAT is Latitude (degrees_north)   BAD FLAG : -1.E+34
 Column  5: DEP is depth (meters)   BAD FLAG : -1.E+34
 Column  6: U is zonal current (m/sec)   BAD FLAG : -1.E+34
DATETIME,TIME,LON,LAT,DEP,U
"29-DEC-2003",37617.5,30,-30.0005,5,-1.E+34
"29-DEC-2003",37617.5,30.5,-30.0005,5,-1.E+34
"29-DEC-2003",37617.5,31,-30.0005,5,-1.E+34
"29-DEC-2003",37617.5,31.5,-30.0005,5,-0.178816
"29-DEC-2003",37617.5,32,-30.0005,5,-0.299317
"29-DEC-2003",37617.5,32.5,-30.0005,5,-0.384997
"29-DEC-2003",37617.5,33,-30.0005,5,-0.16746
"29-DEC-2003",37617.5,33.5,-30.0005,5,0.0864552
"29-DEC-2003",37617.5,34,-30.0005,5,0.13487
"29-DEC-2003",37617.5,34.5,-30.0005,5,0.0902223
"29-DEC-2003",37617.5,35,-30.0005,5,0.0619114
"29-DEC-2003",37617.5,35.5,-30.0005,5,0.0245071
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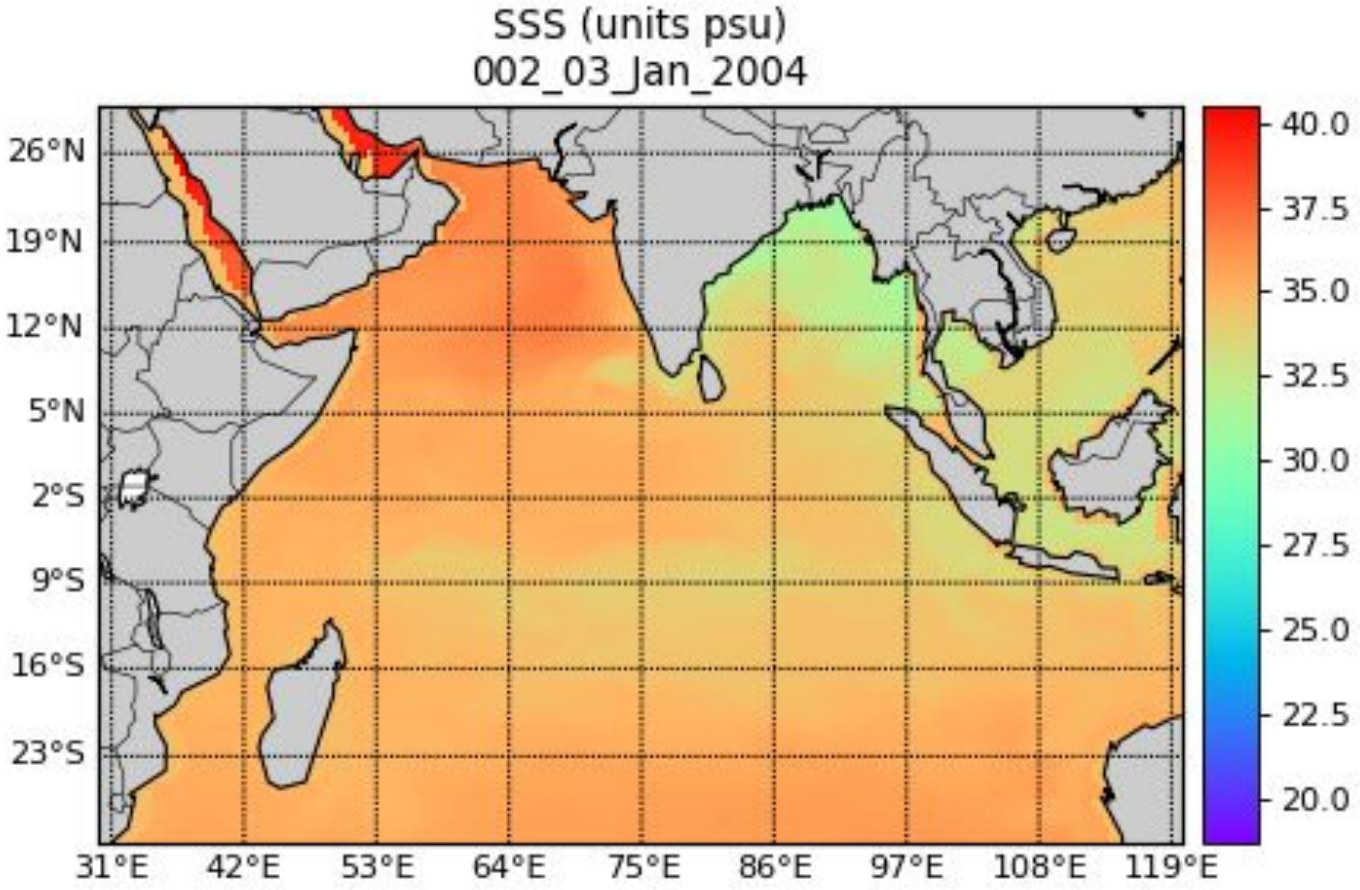
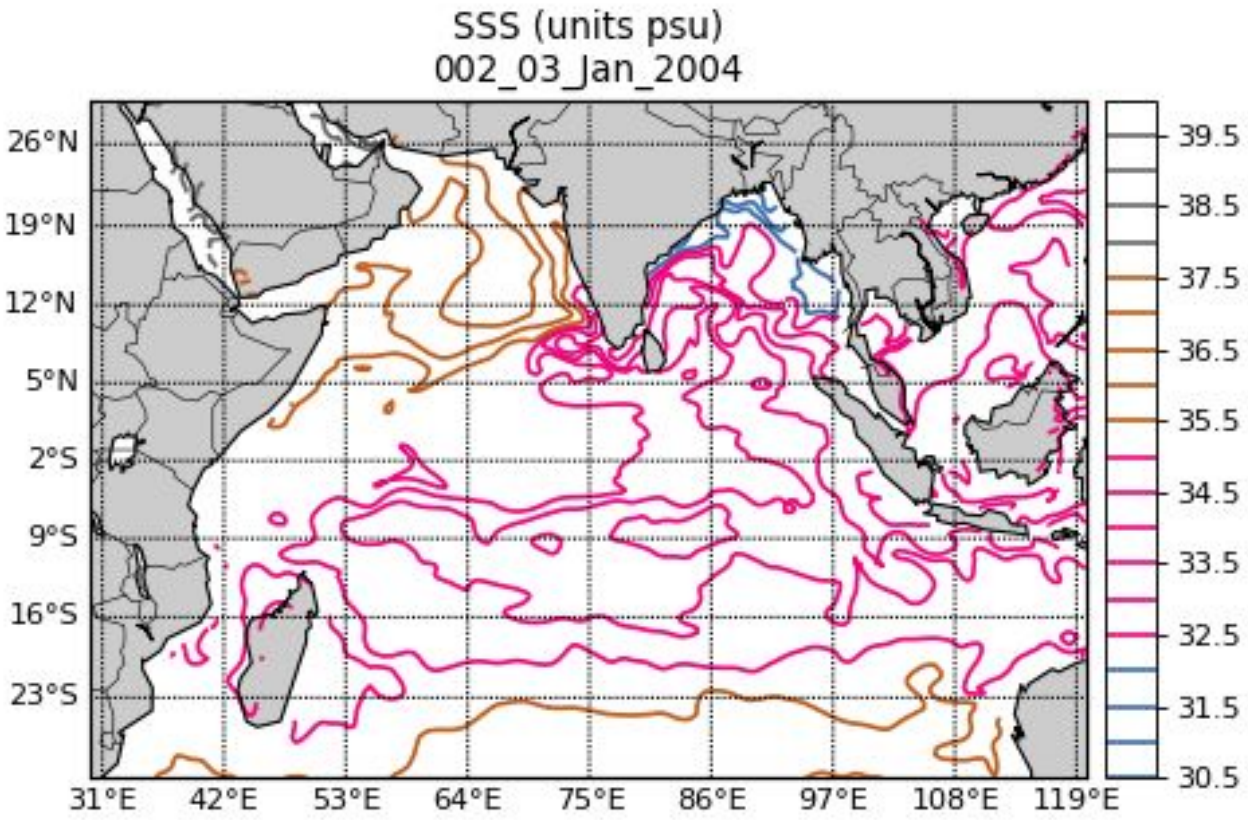
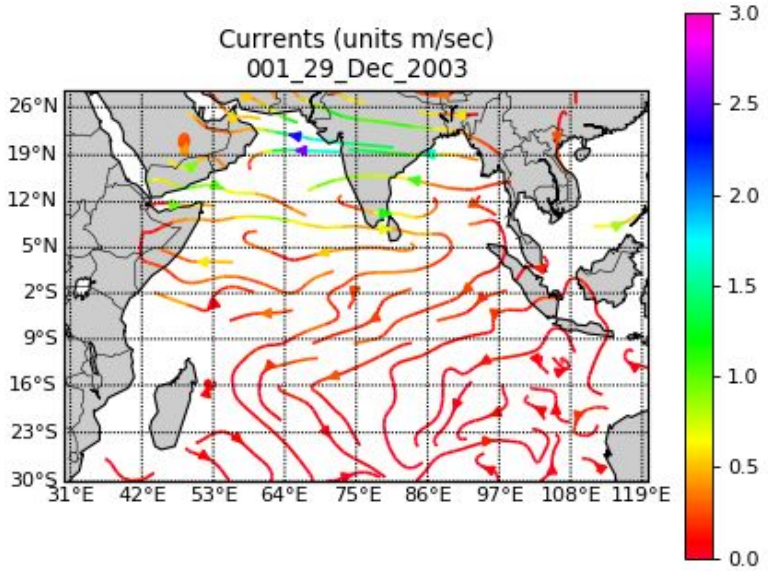
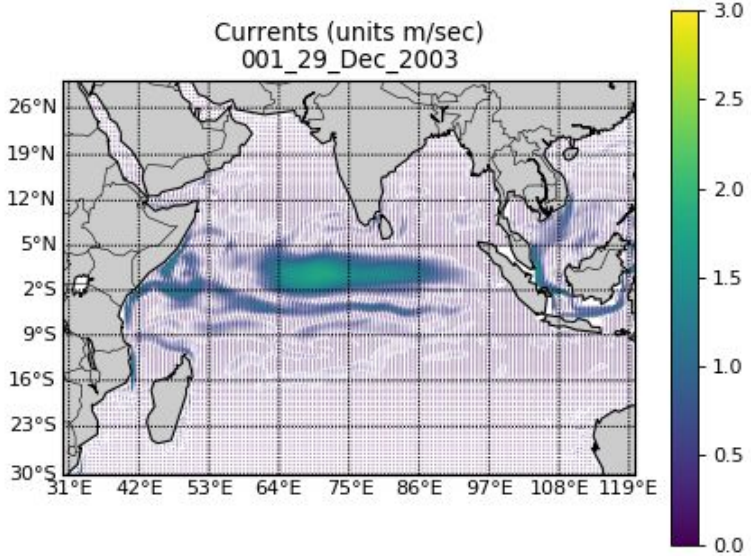
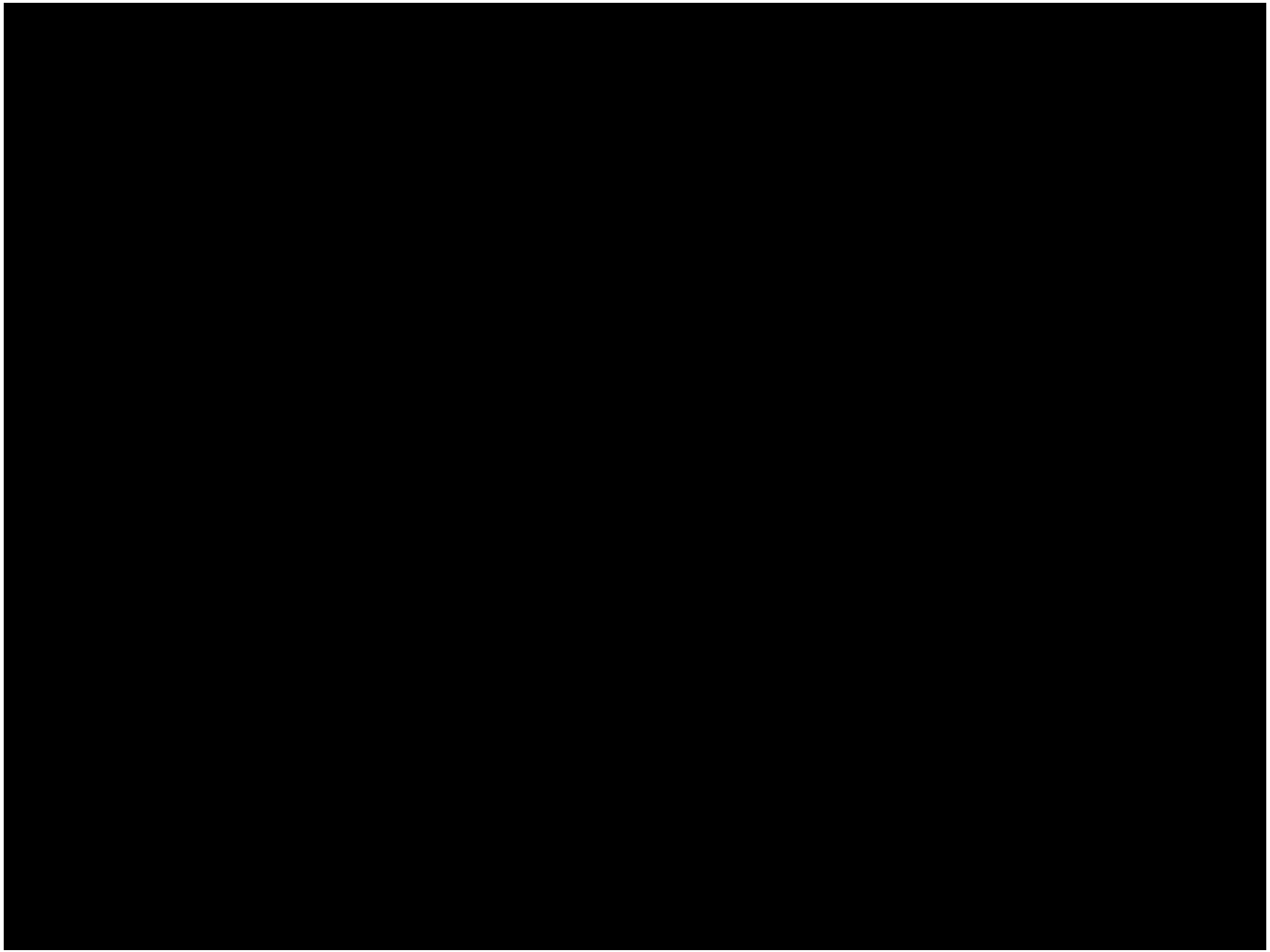

SSS (units psu)
002_03_Jan_2004
26°N
19°N
12°N
5°N
2°S
9°S
16°S
23°S
31°E
42°E
53°E
64°E
75°E
86°E
97°E
108°E
119°E
40.0
37.5
35.0
32.5
30.0
27.5
25.0
22.5
20.0


SSS (units psu)
002_03_Jan_2004
26°N
19°N
12°N
5°N
2°S
9°S
16°S
23°S
31°E
42°E
53°E
64°E
75°E
86°E
97°E
108°E
119°E
39.5
38.5
37.5
36.5
35.5
34.5
33.5
32.5
31.5
30.5


Currents (units m/sec)
001_29_Dec_2003
26°N
19°N
12°N
5°N
2°S
9°S
16°S
23°S
30°S
31°E
42°E
53°E
64°E
75°E
86°E
97°E
108°E
119°E
3.0
2.5
2.0
1.5
1.0
0.5
0.0


Currents (units m/sec)
001_29_Dec_2003
26°N
19°N
12°N
5°N
2°S
9°S
16°S
23°S
30°S
31°E
42°E
53°E
64°E
75°E
86°E
97°E
108°E
119°E
3.0
2.5
2.0
1.5
1.0
0.5
0.0



Submissions

- Code
- Report