

Mid Atlantic Coastal Current: CTD, Drifters and Mooring Data

Submitter Organization:

Graduate College of Marine Studies
University of Delaware
Newark, DE 19716
Voice: (302) 831-2169
Fax: (302) 831-6838

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Principal Investigator:

Dr. Richard Garvine
email: rgarvine@udel.edu
rgarvine@newark.cms.udel.edu
Voice: (302) 831-2169
Fax: (302) 831-6838

Project:

Mid-Atlantic Coastal Current (MACC)

Funding Agency:

National Science Foundation (NSF)
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Ship/Platform Name:

R/V Cape Henlopen
for more info see <http://www.ocean.udel.edu/rvhenlopen.html>

Geographic Location:

njctd.gif contains a map with CTD station locations

ALL TIME IS GMT

CTD:

The filenames consist of 89mmC##.snn
where mm - month of the cruise (03,04,05,06)
- cast number (successive for each cruise)
s - section label i.e.
A = Great Egg
B = Avalon
C = Delaware Bay
D = Indian River
E = Fenwick Island
Z = Along Shore
nn - station number on the section

Example of file headers:

start_time	npts	lat	long	
yymmddhhmm	#_pts	deg	deg	
8903140742	19	38.449	-74.960	
pressure	temperature	salinity	oxygen density	attenuation
dbar	C	PSU	mg/L	kg/m ³ %

DRIFTERS:

The filenames consist of d###arg#.dat
where d=drifter
###= yearday of deployment
arg=Argos (the tracking system)
#= #th drifter deployed that day
.dat=processed trajectory data

Note: Quality is standard with ARGOS system, except 9= ship navigational system

Apr. 6 CTD
205 casts
4/24/1989 -
4/29/1989
38.40 N
39.27 N
74.34 W
75.98 W

MAY CTD
05/24/1989
05/25/1989
46 casts
38.47 N
39.27 N
74.30 W
75.05 W

MARCH 143 CASTS
03/11/1989 -
03/15/1989
38.41 N
39.27 N
74.34 W
75.04 W

JUNE
6/13/1989 -
6/18/1989
JUNE
158 TOTAL
CTD casts
38.47 N
39.27 N
74.30 W
75.91 W

36 Drifters
37.90 N 74.34 W
39.12 N 75.24 W
MAY 8, 1989 - JUNE 17, 1989

Example of file headers:

```

drifter_id npts drogue_depth year depl_lon depl_lat depl_time
#_depl #_pts meters anno_domini deg deg year_day_1989
2 14 2 1989 38.774 -75.059 128.645
lon lat time, quality
deg deg year_day #_argos

```

MOORINGS:

The filenames consist of Lm##Tp.DAmddyy

where L - Location

D= Delaware

N= New Jersey

m - mooring number

##- depth from surface (m)

T - Data type

N= magnetic North current

E= magnetic East current

p - period

2= March

4= April

DAmddyy- date

Example of file headers:

03/11/89 23:35 2139 0.500000

MACC N106 EAST

Data Format: 8f10.3

Publications:

Munchow, A. and R. W. Garvine 1993 Journal of Marine Research., 51, pp 293-322

32 Meter

1. 03/11/89

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