10 February 2003

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project:
CORC/1999

funding agency:
NOAA, grant: UCSIO P.O. 10156283C

file corc-arches.pdf contains a copy of a CLIVAR newsletter articel describing the CORC project objectives.

data:
20 high resolution CTD stations, 1-20, from 27 March 1999 to 5 April 1999.
20 water sample files for above stations with rosette salinity.

R/V GOULD, NODC code: 33LG, cruise LMG99-3
north -61.1825, south -64.2676, east -39.9826, west -62.7519.
acquisition with SeaBird 911plus CTD, processed with SeaBird data processing software.

CTD file names: corc99.nnn, where nnn is station number from 1-20

CTD data file description:

```
C33LG    1  1  -64.1901  -62.7519  1999/03/27  86 22:12  CORC99
te converted from its-90 to ipts-68:  ipts-68 = ipts-90 * 1.00024
@pr      te       sa
2        0.6491   33.5983
3        0.6613   33.6029
4        0.6895   33.6103
```

(-9 for unknown value)

line 1:
- C33LG: C for CTD data
  33LG for NODC ship code (LM Gould)
- 1: station
- 1: cast
- -64.1901: lat in decimal degrees
- -62.7519: lon in decimal degrees
- 1999/03/27: year/month/day
- 86: yearday
- 22:12: hour:minutes, GMT
- CORC99: cruise name

line 2:
  CTD temperature units note

line 3: id for data
  @pr: CTD pressure in dbars
  te: CTD temp in deg C, ipts-68
  sa: CTD salinity, pss

line 4 to end: data
pressure, temperature and salinity as above

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bottle file names: corc99b.nnn, where nnn is station number from 1-20

bottle data file description:
B33LG   1 1 -64.1901 -62.7519 1999/03/27 86 22:12 CORC99
te converted from its-90 to ipts-68: ipts-68 = ipts-90 * 1.00024

@pr	te	sa	rs	rn
268.6	0.8878	34.5967	34.5879	11
268.6	0.8879	34.5965	34.5881	9
268.7	0.888	34.5965	34.5856	8

(-9 for unknown value)

line 1:
  B33LG: B for bottle data
         33LG for NODC ship code (LM Gould)
  1:     station
  1:     cast
  -64.1901: lat in decimal degrees
  -62.7519: lon in decimal degrees
  1999/03/27: year/month/day
  86: yearday
  22:12: hour:minutes, GMT
  CORC99: cruise name

line 2:
  CTD temperature units note

line 3: id for data
  @pr: CTD pressure in dbars
  te: CTD temp in deg C, ipts-68
  sa: CTD salinity, pss
  rs: rosette salinity, pss
  rn: bottle trip number

line 4 to end: data
pressure, temperature, salinity, rosette salinity and record number as above

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project:
CORC/2000

funding agency:
NOAA, grant: UCSIO P.O. 10156283C

file corc-arches.pdf contains a copy of a CLIVAR newsletter articel
describing the CORC project objectives.

data:
20 high resolution CTD stations, 1-20, from 4 April 2000 to 14 April 2000.
19 water sample files for above stations with rosette salinity and oxygen.
NOTE: no water sample data or file for station 007.

R/V GOULD, NODC code: 33LG, cruise LMG00-3A
north -61.5485, south -64.2675, east -40.0002, west -59.1580
acquisition with SeaBird 911plus CTD, processed with SeaBird data
processing software.

CTD file names: corc2000.nnn, where nnn is station number from 1-20

CTD data file description:
```
C33LG    1  1   -62.6640   -59.1580   2000/04/04   95 22:08   CORC2000
te converted from its-90 to ipts-68:  ipts-68 = ipts-90 * 1.00024
@pr      te       sa       ox
2        0.9995   34.1304  8.17
3        0.9993   34.1308  8.326
4        0.9993   34.1311  8.309
```

(-9 for unknown value)

line 1:
- C33LG: C for CTD data
  33LG for NODC ship code (LM Gould)
- 1: station
- 1: cast
- -62.6640: lat in decimal degrees
- -59.1580: lon in decimal degrees
- 2000/04/04: year/month/day
- 95: yearday
- 22:08: hour:minutes, GMT
- CORC2000: cruise name

line 2:
  CTD temperature units note

line 3: id for data
  @pr: CTD pressure in dbars
  te: CTD temp in deg C, ipts-68
  sa: CTD salinity, pss
  ox: CTD oxygen, ml/L

line 4 to end: data
pressure, temperature and salinity as above

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bottle file names: corc2000b.nnn, where nnn is station number from 1-20
no data was sampled for CTD station 007

bottle data file description:
B33LG   1 1 -62.6640 -59.1580 2000/04/04 95 22:08 CORC2000
te converted from its-90 to ipts-68: ipts-68 = ipts-90 * 1.00024

@pr	te	sa	rs	ro	rn
100.3	0.0517	34.4094	34.4101	7.0989	22
99.9	0.0516	34.4092	34.4085	7.107	21
252.6	-0.464	34.5115	34.5094	6.3263	20
250.9	-0.4513	34.5121	34.511	6.3123	19

(-9 for unknown value)

line 1:
  B33LG: B for bottle data
         33LG for NODC ship code (LM Gould)
  1:     station
  1:     cast
  -62.6640: lat in decimal degrees
  -59.1580: lon in decimal degrees
  2000/04/04: year/month/day
  95: yearday
  22:08: hour:minutes, GMT
  CORC2000: cruise name

line 2:
  CTD temperature units note

line 3: id for data
  @pr: CTD pressure in dbars
  te: CTD temp in deg C, ipts-68
  sa: CTD salinity, pss
  rs: rosette salinity, pss
  ro: rosette oxygen, ml/L
  rn: bottle trip number

line 4 to end: data
pressure, temperature, salinity, rosette salinity, rosette oxygen
and record number as above