

\* =mandatory field)

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  - **Dataset Info:**
    - **Dataset\_ID\*:** [JKEO\\_147E\\_38N\\_Feb2007\\_Oct2007](#)
    - **Submission Dates:**
      - **Initial\_Submission:** [20100928](#) (YYYYMMDD)
      - **Revised\_Submission:** [20101210](#) (YYYYMMDD)
  - **Cruise\_Info:**
    - **Experiment:**
      - **Experiment\_Name\*:**
      - **Cruise:( - )**
        - **Cruise\_ID:** (EXPOCODE)
        - **Section:** (Leg)
        - **Geographical\_Coverage:**
          - **Geographical\_Region:**
          - **Bounds:**
            - **Westernmost\_Longitude:**  
Enter decimal fractions of degrees:  
or Degrees, Minutes, Seconds:
            - **Easternmost\_Longitude:**  
Enter decimal fractions of degrees: [+146.55](#) (+ = E, - = W)  
or Degrees, Minutes, Seconds:
            - **Northernmost\_Latitude:**  
Enter decimal fractions of degrees: [+37.92](#) (+ = E, - = W)
            - **Southernmost\_Latitude:**  
Enter decimal fractions of degrees:
      - **Temporal\_Coverage:**
        - **Start\_Date:** [20070218](#) (YYYYMMDD)
        - **End\_Date:** [20071003](#) (YYYYMMDD)
  - **Vessel:** [Mooring platform](#)
    - **Vessel\_Name:**
    - **Vessel\_ID:**
    - **Country:**
    - **Vessel\_Owner:**
- **Variables\_Info:**
  - **Variable:**
    - **Variable\_Name and Description\*:**
- [xCO<sub>2</sub> SW \(wet\) \(umol/mol\) - Mole fraction of CO<sub>2</sub> in air in equilibrium with the seawater at sea surface temperature and measured humidity.](#)
- [CO<sub>2</sub> SW QF – Quality Flag for xCO<sub>2</sub> SW \(wet\).](#)
- [H<sub>2</sub>O SW \(mmol/mol\) - Mole fraction of H<sub>2</sub>O in air from equilibrator .](#)
- [xCO<sub>2</sub> Air \(wet\) \(umol/mol\) - Mole fraction of CO<sub>2</sub> in air from airblock, 4 feet above the sea surface at measured humidity.](#)
- [CO<sub>2</sub> Air QF – Quality Flag for xCO<sub>2</sub> Air \(wet\)](#)
- [H<sub>2</sub>O Air \(mmol/mol\) - Mole fraction of H<sub>2</sub>O in air from airblock, 4 feet above the sea surface.](#)

- Licor Atm Pressure (hPa) – Atmospheric pressure at the airblock, 4 feet above the sea surface
- Licor Temp (C) – Temperature of the Infrared Licor 820 in degrees Celsius
- % O<sub>2</sub> - The percent oxygen of the surface seawater divided by the percent oxygen of the atmosphere at 4 feet above the sea surface. Disclaimer: The oxygen measurement is made in the equilibrated air. We have found that the oxygen does not come to complete equilibrium so any rapid changes in oxygen do not get properly captured using this system. Therefore, we tend to use the oxygen data only as a qualitative sense of the biology. It is not a quantitative measure.
- SST (C) - Sea Surface Temperature collected by IORGC/JAMSTEC. provide internally recorded SST data at 10 minute resolution. The sea surface temperature collected during the equilibration period is reported in this dataset. IORGC/JAMSTEC advises to check the JKEO site at the time of use for the most accurate data available.
- Salinity - Sea Surface Salinity collected by IORGC/JAMSTEC. JKEO records conductivity data at 10 minute intervals and then computes hourly averaged salinity during post-processing. The salinity reported during the equilibration period is reported in this dataset. IORGC/JAMSTEC advises to check the JKEO site at the time of use for the most accurate data available.

Sea surface salinity was only available from the beginning of the deployment to 7/17/07. For 7/17/07 12:16 through the end of the deployment, salinity collected at 30m depth was used to calculate fCO<sub>2</sub>. Analysis of salinity measurements at the surface compared to 30m when both were available 2/18/07 to 7/17/07 reveal that the largest salinity difference (~1.7) found between depths does not change calculated fCO<sub>2</sub>.

- xCO<sub>2</sub> SW (dry) (umol/mol) – Mole fraction of CO<sub>2</sub> in air in equilibrium with the seawater at sea surface temperature (dry air).
- xCO<sub>2</sub> Air (dry) (umol/mol) – Mole fraction of CO<sub>2</sub> in air at the airblock, 4 feet above the sea surface (dry air).
- fCO<sub>2</sub> SW (sat) uatm – Fugacity of CO<sub>2</sub> in air in equilibrium with the seawater at sea surface temperature (100% humidity). Since the measurements are taken at the sea surface, warming calculations are not necessary.
- fCO<sub>2</sub> Air (sat) uatm – Fugacity of CO<sub>2</sub> in air at the airblock, 4 feet above the sea surface (100% humidity).
- dfCO<sub>2</sub> – Difference of the fugacity of the CO<sub>2</sub> in seawater and the fugacity of the CO<sub>2</sub> in air (fCO<sub>2</sub> SW - fCO<sub>2</sub> Air).

- **Method\_Description:\***

- **Equilibrator\_Design:**

- Equilibrator\_Type: (show pick list) Bubble Equilibrator
    - Equilibrator\_Volume: (L) N/A
    - Water\_Flow\_Rate: (L/min) N/A
    - Headspace\_Gas\_Flow\_Rate: (L/min) ~600 cc/min
    - Vented: (show pick list) Yes

- Measurement\_Method: Absolute, non-dispersive infrared (NDIR) gas analyzer

- Manufacturer\_of\_Calibration\_Gas: NOAA Earth System Research Laboratory (ESRL)

- **CO<sub>2</sub>\_Sensors:**

- **CO<sub>2</sub>\_Sensor:**

- Manufacturer: Licor
      - Model: Environmental\_Control: LI-820
      - Resolution: 0.01 ppm
      - Uncertainty: < 2.5% of reading with 14 cm bench (stated)  
<1.5 ppm determined in lab

- **CO<sub>2</sub>\_Sensor\_Calibration:** (For each calibration gas, document traceability to an internationally recognized scale, including date and place of last calibration. Include uncertainty of assigned value.)

At the beginning of each sample, the instrument self-calibrates using a zero and high standard. The zero standard is generated by cycling a small amount of air through a soda lime chamber. The high standard is from a cylinder of calibrated standard reference gas, 497.71 umol/mol from ESRL. ESRL standards are traceable to WMO x93 scale with a stated reproducibility of 0.06 micromole/mole.

- **Other\_Sensors:**
  - **Manufacturer:** Oxygen Sensor
  - **Model:** Maxtec
  - **Resolution:** Max-250
  - **Uncertainty:** 0.01 %
  - ± 2.0% Full Scale over operating temperature range
  - ± 1.0% Full Scale @ constant temperature and pressure
  - **Calibration:** (For each sensor of pressure, temperature, and salinity, document traceability to an internationally recognized scale, including date and place of last calibration.)  
Factory calibrated before purchase. Recalibrated to sea level atmospheric air every 7 days.
- **Other\_Sensors:**
  - **Manufacturer:** Humidity Sensor
  - **Model:** Sensirion
  - **Resolution:** SHT71
  - **Uncertainty:** 0.01 %
  - Measurement range: 0-100% RH
  - Absolute. RH accuracy: +/- 3% RH (20-80% RH)
  - Repeatability RH: +/- 0.1% RH
  - **Calibration:** (For each sensor of pressure, temperature, and salinity, document traceability to an internationally recognized scale, including date and place of last calibration.)  
Factory calibrated before purchase.
- **Method\_References:** (Publication(s) describing method)

Sabine, C. (2005): High-resolution ocean and atmosphere pCO<sub>2</sub> time-series measurements. The State of the Ocean and the Ocean Observing System for Climate, Annual Report, Fiscal Year 2004, NOAA/OGP/Office of Climate Observation, Section 3.32a, 246–253.

- **Additional Information**

- All measurements are at sea surface temperature and atmospheric pressure.
- During the equilibration cycle, a closed loop of air equilibrates with seawater for 10 minutes. Once the equilibration period is complete, the pump stops and the system opens to the atmosphere allowing the pressure to equilibrate with atmospheric pressure. Measurements are recorded for 30 seconds at 2 hertz and then averaged.
- During the air cycle, fresh air is pumped through the detector for 1 minute. Once the pump stops, the system opens to the atmosphere allowing the pressure to equilibrate with atmospheric pressure. Measurements are recorded for 30 seconds at 2 hertz and then averaged.
- The gas streams for both the air cycle and equilibrator cycle are partially dried before entering the detector. The values listed as wet xCO<sub>2</sub> generally have relative humidity levels ranging from 40 to 80 percent. The humidity levels increase over the course of a deployment.

- Sampling occurs every 3 hours. The infrared detector is calibrated at the beginning of every sampling period. Averaged data and standard deviations for each measurement are transmitted back daily.

- To calculate the dry measurements, the water mole fraction in the Licor detector must be known. A relative humidity sensor is located immediately downstream of the detector.

- As part of the QC process, each data set is compared with the Marine Boundary Layer (MBL) data from GlobalView-CO<sub>2</sub>. The data from this deployment, February 2007 to October 2007, were  $0.3 \pm 2.5$  umol/mol on average of the MBL data and therefore no correction was applied.

GLOBALVIEW-CO<sub>2</sub>: Cooperative Atmospheric Data Integration Project - Carbon Dioxide. CD-ROM, NOAA ESRL, Boulder, Colorado [Also available on Internet via anonymous FTP to ftp.cmdl.noaa.gov, Path: ccg/co2/GLOBALVIEW], 2010

-During the QC process, an adjustment to the Licor pressure is typically made based on each sensor's bias to barometric pressure as measured in the lab. We have not yet run this test on this system.

- No data = -9.999 or -999

- Data\_set\_References: (Publication(s) describing data set) None

- Citation: (How to cite this data set) Sabine, C., S. Maenner and A. Sutton. 2010. High-resolution ocean and atmosphere pCO<sub>2</sub> time-series measurements from mooring JKEO.

- **Data\_Set\_Link:**

- URL\*: [http://www.pmel.noaa.gov/co2/moorings/keo/keo\\_main.htm](http://www.pmel.noaa.gov/co2/moorings/keo/keo_main.htm)

- Label\*: PMEL CO2 Group - JKEO mooring

- Link\_Note: (Optional instructions or remarks)(m s t)

Quality Flags definitions:

- 2 = Acceptable measurement;
- 3 = Questionable measurement;
- 4 = Bad measurement
- 5 = Not reported;
- 9 = Sample not drawn for this measurement from this bottle.

#### Quality Flag Log for this dataset.

Date	Measurement	Value (Dry)	Flag	Comments
2/18/2007 15:03	xCO <sub>2</sub> _SW	361.6391696	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure
2/18/2007 15:33	xCO <sub>2</sub> _SW	361.0587923	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure
2/18/2007 16:03	xCO <sub>2</sub> _SW	361.5683982	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure
2/18/2007 16:33	xCO <sub>2</sub> _SW	361.3193893	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure
2/18/2007 17:03	xCO <sub>2</sub> _SW	361.207206	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure
2/18/2007 17:33	xCO <sub>2</sub> _SW	361.164977	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure
2/18/2007 18:03	xCO <sub>2</sub> _SW	361.1584766	4	likely bad CO <sub>2</sub> sw measurement due to change in equil pump pressure

2/18/2007 18:33 equil pump pressure	xCO2_SW	360.2635071	4	likely bad CO2sw measurement due to change in
2/18/2007 19:03 equil pump pressure	xCO2_SW	360.1865651	4	likely bad CO2sw measurement due to change in
2/18/2007 19:33 equil pump pressure	xCO2_SW	364.627949	4	likely bad CO2sw measurement due to change in
2/18/2007 20:03 equil pump pressure	xCO2_SW	359.9604318	4	likely bad CO2sw measurement due to change in
2/18/2007 20:33 equil pump pressure	xCO2_SW	360.2521388	4	likely bad CO2sw measurement due to change in
2/18/2007 21:03 equil pump pressure	xCO2_SW	359.8789621	4	likely bad CO2sw measurement due to change in
2/18/2007 21:33 equil pump pressure	xCO2_SW	359.3912448	4	likely bad CO2sw measurement due to change in
2/18/2007 22:03 equil pump pressure	xCO2_SW	359.5690488	4	likely bad CO2sw measurement due to change in
2/18/2007 22:33 equil pump pressure	xCO2_SW	359.369422	4	likely bad CO2sw measurement due to change in
2/18/2007 23:03 equil pump pressure	xCO2_SW	356.855486	4	likely bad CO2sw measurement due to change in
2/18/2007 23:03 span calibration was off	xCO2_Air	390.1098428	3	CO2 data submitted was adjusted by + 2 ppm b/c as predicted by change in Licor temperature
2/18/2007 23:33 equil pump pressure	xCO2_SW	358.8182934	4	likely bad CO2sw measurement due to change in
2/19/2007 0:03 pump pressure	xCO2_SW	358.5269094	4	likely bad CO2sw measurement due to change in equil
2/19/2007 0:33 pump pressure	xCO2_SW	358.5969058	4	likely bad CO2sw measurement due to change in equil
2/19/2007 1:03 pump pressure	xCO2_SW	358.3954237	4	likely bad CO2sw measurement due to change in equil
2/19/2007 1:33 pump pressure	xCO2_SW	357.9342676	4	likely bad CO2sw measurement due to change in equil
2/19/2007 3:16 pump pressure	xCO2_SW	358.3408887	4	likely bad CO2sw measurement due to change in equil
2/19/2007 6:16 pump pressure	xCO2_SW	358.1268598	4	likely bad CO2sw measurement due to change in equil
2/24/2007 12:16 equil pump pressure	xCO2_SW	361.4199202	4	likely bad CO2sw measurement due to change in
2/24/2007 15:16 equil pump pressure	xCO2_SW	347.7231994	4	likely bad CO2sw measurement due to change in
2/24/2007 21:16 equil pump pressure	xCO2_SW	361.8277403	4	likely bad CO2sw measurement due to change in
2/25/2007 0:16 pump pressure	xCO2_SW	364.4911961	4	likely bad CO2sw measurement due to change in equil
2/25/2007 6:16 pump pressure	xCO2_SW	365.0292217	4	likely bad CO2sw measurement due to change in equil
2/25/2007 9:16 pump pressure	xCO2_SW	368.4429156	4	likely bad CO2sw measurement due to change in equil
2/28/2007 15:16 equil pump pressure	xCO2_SW	358.4777106	4	likely bad CO2sw measurement due to change in
3/1/2007 3:16 pump pressure	xCO2_SW	358.3504664	4	likely bad CO2sw measurement due to change in equil
3/1/2007 9:16 pump pressure	xCO2_SW	357.4560917	4	likely bad CO2sw measurement due to change in equil
3/1/2007 12:16 pump pressure	xCO2_SW	355.3247304	4	likely bad CO2sw measurement due to change in equil
3/1/2007 18:16 pump pressure	xCO2_SW	355.3604585	4	likely bad CO2sw measurement due to change in equil

3/2/2007 0:16	xCO2_SW	367.3704402	4	likely bad CO2sw measurement due to change in equil pump pressure
3/11/2007 9:16	xCO2_SW	356.9079651	4	likely bad CO2sw measurement due to change in equil pump pressure
3/13/2007 0:16	xCO2_SW	360.2593979	4	likely bad CO2sw measurement due to change in equil pump pressure
3/18/2007 21:16	xCO2_SW	335.0376417	4	likely bad CO2sw measurement due to change in equil pump pressure
3/26/2007 6:16	xCO2_SW	344.5000795	3	CO2 data submitted was adjusted by - 2 ppm b/c span calibration was off as predicted by change in Licor temperature
3/26/2007 6:16	xCO2_Air	391.7676505	3	CO2 data submitted was adjusted by - 2 ppm b/c span calibration was off as predicted by change in Licor temperature
3/30/2007 9:16	xCO2_SW	368.3571041	3	likely bad CO2 sw may be due to change in equil pump pressure
3/30/2007 12:16	xCO2_SW	375.0949059	3	likely bad CO2 sw may be due to change in equil pump pressure
4/29/2007 9:16	xCO2_SW	335.7194037	4	high StDev in CO2sw measurement
6/4/2007 9:16	xCO2_SW	327.8175028	3	CO2 data submitted was adjusted by - 4 ppm b/c span calibration was off as predicted by change in Licor temperature
6/4/2007 9:16	xCO2_Air	391.5747038	3	CO2 data submitted was adjusted by - 4 ppm b/c span calibration was off as predicted by change in Licor temperature
6/11/2007 21:16	xCO2_Air	379.1550441	4	CO2 air measurement bad - RH is high
6/12/2007 0:16	xCO2_Air	379.348084	4	CO2 air measurement bad - RH is high
6/12/2007 3:16	xCO2_Air	382.0420705	4	CO2 air measurement bad - RH is high
6/17/2007 21:16	xCO2_Air	376.283524	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/17/2007 21:16	xCO2_SW	311.1020057	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 0:16	xCO2_Air	377.904827	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/18/2007 0:16	xCO2_SW	315.0608093	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 3:16	xCO2_Air	379.9472582	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/18/2007 3:16	xCO2_SW	319.6495535	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 6:16	xCO2_Air	380.9391717	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/18/2007 6:16	xCO2_SW	317.6199916	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 9:16	xCO2_Air	382.4307704	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/18/2007 9:16	xCO2_SW	315.2810373	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 12:16	xCO2_Air	382.5930189	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/18/2007 12:16	xCO2_SW	320.4995486	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 15:16	xCO2_Air	381.6342007	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/18/2007 15:16	xCO2_SW	322.433925	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 18:16	xCO2_Air	381.374823	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/18/2007 18:16	xCO2_SW	319.4385995	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/18/2007 21:16	xCO2_Air	380.2672984	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



6/18/2007 21:16	xCO2_SW	314.9309319	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 0:16	xCO2_Air	376.2641296	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/19/2007 0:16	xCO2_SW	312.6080228	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 3:16	xCO2_Air	373.0249868	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/19/2007 3:16	xCO2_SW	316.423798	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 6:16	xCO2_Air	379.9622735	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/19/2007 6:16	xCO2_SW	317.7304756	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 9:16	xCO2_Air	380.952635	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/19/2007 9:16	xCO2_SW	314.4400796	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 12:16	xCO2_Air	380.8882498	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/19/2007 12:16	xCO2_SW	315.5144657	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 15:16	xCO2_Air	379.6346117	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/19/2007 15:16	xCO2_SW	315.1176414	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 18:16	xCO2_Air	379.5480415	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/19/2007 18:16	xCO2_SW	315.6767982	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/19/2007 21:16	xCO2_Air	374.590395	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/19/2007 21:16	xCO2_SW	312.8709734	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 0:16	xCO2_Air	375.6568285	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/20/2007 0:16	xCO2_SW	315.7090767	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 3:16	xCO2_Air	371.4415904	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/20/2007 3:16	xCO2_SW	324.493523	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 6:16	xCO2_Air	377.6036515	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/20/2007 6:16	xCO2_SW	327.1516505	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 9:16	xCO2_Air	381.8097474	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/20/2007 9:16	xCO2_SW	327.1523521	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 12:16	xCO2_Air	384.0071232	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/20/2007 12:16	xCO2_SW	328.6089014	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 15:16	xCO2_Air	381.4600553	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/20/2007 15:16	xCO2_SW	327.5344342	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

6/20/2007 18:16	xCO2_Air	381.6253678	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/20/2007 18:16	xCO2_SW	330.2571699	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/20/2007 21:16	xCO2_Air	380.4546556	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/20/2007 21:16	xCO2_SW	328.2188321	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 0:16	xCO2_Air	380.1119722	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/21/2007 0:16	xCO2_SW	325.7856895	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 3:16	xCO2_Air	379.2071837	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/21/2007 3:16	xCO2_SW	322.0645161	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 6:16	xCO2_Air	381.1176998	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/21/2007 6:16	xCO2_SW	321.2375142	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 9:16	xCO2_Air	381.3680841	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/21/2007 9:16	xCO2_SW	325.2786708	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 12:16	xCO2_Air	381.2578142	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/21/2007 12:16	xCO2_SW	326.2301659	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 15:16	xCO2_Air	382.1693602	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/21/2007 15:16	xCO2_SW	330.6059085	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 18:16	xCO2_Air	384.9573307	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/21/2007 18:16	xCO2_SW	331.8297025	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/21/2007 21:16	xCO2_Air	384.9120232	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/21/2007 21:16	xCO2_SW	328.3867803	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 0:16	xCO2_Air	376.8501506	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/22/2007 0:16	xCO2_SW	324.2617796	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 3:16	xCO2_Air	377.1000248	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/22/2007 3:16	xCO2_SW	326.7301811	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 6:16	xCO2_Air	380.0419522	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/22/2007 6:16	xCO2_SW	330.5257978	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 9:16	xCO2_Air	384.3157602	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/22/2007 9:16	xCO2_SW	330.1616789	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 12:16	xCO2_Air	385.3712468	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



6/22/2007 12:16	xCO2_SW	331.3326452	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 15:16	xCO2_Air	385.5843373	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/22/2007 15:16	xCO2_SW	332.480334	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 18:16	xCO2_Air	389.1842271	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/22/2007 18:16	xCO2_SW	335.0867774	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/22/2007 21:16	xCO2_Air	385.3011023	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/22/2007 21:16	xCO2_SW	332.7600599	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 0:16	xCO2_Air	382.7826924	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 0:16	xCO2_SW	334.2672889	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 3:16	xCO2_Air	381.7655594	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 3:16	xCO2_SW	336.3750977	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 6:16	xCO2_Air	381.0103655	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 6:16	xCO2_SW	333.5553559	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 9:16	xCO2_Air	379.5610623	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 9:16	xCO2_SW	329.982808	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 12:16	xCO2_Air	380.1906966	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 12:16	xCO2_SW	330.7257188	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 15:16	xCO2_Air	380.1896313	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 15:16	xCO2_SW	331.0496903	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 18:16	xCO2_Air	379.7795845	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/23/2007 18:16	xCO2_SW	328.8036922	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/23/2007 21:16	xCO2_Air	379.3877496	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/23/2007 21:16	xCO2_SW	329.8265742	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 0:16	xCO2_Air	376.7919434	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 0:16	xCO2_SW	324.911024	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 3:16	xCO2_Air	373.1653667	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 3:16	xCO2_SW	330.9318248	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 6:16	xCO2_Air	379.2711324	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 6:16	xCO2_SW	331.3624435	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

6/24/2007 9:16	xCO2_Air	379.611025	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/24/2007 9:16	xCO2_SW	332.9367955	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 12:16	xCO2_Air	379.046624	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 12:16	xCO2_SW	333.1621674	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 15:16	xCO2_Air	378.5037382	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 15:16	xCO2_SW	332.0141508	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 18:16	xCO2_Air	378.9616745	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 18:16	xCO2_SW	331.5147704	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/24/2007 21:16	xCO2_Air	375.7342461	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/24/2007 21:16	xCO2_SW	328.4323136	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 0:16	xCO2_Air	372.0147197	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/25/2007 0:16	xCO2_SW	340.6751281	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 3:16	xCO2_Air	375.4777234	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/25/2007 3:16	xCO2_SW	342.7745212	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 6:16	xCO2_Air	375.2294499	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/25/2007 6:16	xCO2_SW	343.2361027	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 9:16	xCO2_Air	377.2120846	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/25/2007 9:16	xCO2_SW	345.9388762	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 12:16	xCO2_Air	377.2044283	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/25/2007 12:16	xCO2_SW	342.5905319	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 15:16	xCO2_Air	376.4957601	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/25/2007 15:16	xCO2_SW	338.780376	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 18:16	xCO2_Air	389.3675196	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/25/2007 18:16	xCO2_SW	340.1460503	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/25/2007 21:16	xCO2_Air	381.9098979	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/25/2007 21:16	xCO2_SW	336.9127804	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 0:16	xCO2_Air	370.7822305	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 0:16	xCO2_SW	344.1641379	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 3:16	xCO2_Air	370.2709685	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

6/26/2007 3:16	xCO2_SW	353.0000026	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 6:16	xCO2_Air	375.8885046	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 6:16	xCO2_SW	352.0725099	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 9:16	xCO2_Air	376.443793	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 9:16	xCO2_SW	354.9704575	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 12:16	xCO2_Air	376.9129467	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 12:16	xCO2_SW	358.9849323	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 15:16	xCO2_Air	375.8191841	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 15:16	xCO2_SW	344.1103651	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 18:16	xCO2_Air	374.8515541	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 18:16	xCO2_SW	343.853062	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/26/2007 21:16	xCO2_Air	374.4388506	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/26/2007 21:16	xCO2_SW	341.1027377	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 0:16	xCO2_Air	370.2937176	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 0:16	xCO2_SW	341.5530355	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 3:16	xCO2_Air	370.7785285	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 3:16	xCO2_SW	342.9925752	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 6:16	xCO2_Air	372.3826663	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 6:16	xCO2_SW	353.0784069	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 9:16	xCO2_Air	377.8846068	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 9:16	xCO2_SW	354.9822057	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 12:16	xCO2_Air	377.2369453	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 12:16	xCO2_SW	351.1751176	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 15:16	xCO2_Air	378.182138	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 15:16	xCO2_SW	351.109418	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 18:16	xCO2_Air	378.7340484	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 18:16	xCO2_SW	351.4431481	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/27/2007 21:16	xCO2_Air	373.69745	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/27/2007 21:16	xCO2_SW	342.8780528	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

6/28/2007 0:16	xCO2_Air	376.2482015	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 0:16	xCO2_SW	348.0403329	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 3:16	xCO2_Air	376.2812553	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 3:16	xCO2_SW	352.6059208	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 6:16	xCO2_Air	377.9657217	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 6:16	xCO2_SW	355.0971771	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 9:16	xCO2_Air	379.7313522	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/28/2007 9:16	xCO2_SW	358.7108237	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 12:16	xCO2_Air	379.1738656	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 12:16	xCO2_SW	356.4752642	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 15:16	xCO2_Air	377.5007007	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 15:16	xCO2_SW	352.9667835	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 18:16	xCO2_Air	378.3770319	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 18:16	xCO2_SW	352.5907323	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/28/2007 21:16	xCO2_Air	378.1586448	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/28/2007 21:16	xCO2_SW	349.4917963	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 0:16	xCO2_Air	376.719693	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/29/2007 0:16	xCO2_SW	345.048987	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 3:16	xCO2_Air	377.3472426	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/29/2007 3:16	xCO2_SW	347.1242452	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 6:16	xCO2_Air	378.6612448	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/29/2007 6:16	xCO2_SW	342.6164879	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 9:16	xCO2_Air	378.0230631	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/29/2007 9:16	xCO2_SW	344.247309	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 12:16	xCO2_Air	379.4350204	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/29/2007 12:16	xCO2_SW	347.8408768	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 15:16	xCO2_Air	380.9579735	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/29/2007 15:16	xCO2_SW	346.1557169	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 18:16	xCO2_Air	380.9019208	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



6/29/2007 18:16	xCO2_SW	341.0938504	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/29/2007 21:16	xCO2_Air	383.4573896	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/29/2007 21:16	xCO2_SW	339.9853322	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 0:16	xCO2_Air	379.6258884	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/30/2007 0:16	xCO2_SW	342.4463827	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 3:16	xCO2_Air	378.9287298	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
6/30/2007 3:16	xCO2_SW	342.2870307	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 6:16	xCO2_Air	377.1653094	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/30/2007 6:16	xCO2_SW	338.0301762	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 9:16	xCO2_Air	375.8496193	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/30/2007 9:16	xCO2_SW	335.2915986	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 12:16	xCO2_Air	376.9164995	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/30/2007 12:16	xCO2_SW	333.4900484	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 15:16	xCO2_Air	376.5887997	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/30/2007 15:16	xCO2_SW	333.1350024	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 18:16	xCO2_Air	376.326881	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/30/2007 18:16	xCO2_SW	332.7006024	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
6/30/2007 21:16	xCO2_Air	377.0131256	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
6/30/2007 21:16	xCO2_SW	333.9969206	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 0:16	xCO2_Air	376.57161	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 0:16	xCO2_SW	331.2943749	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 3:16	xCO2_Air	376.3152251	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 3:16	xCO2_SW	330.6884919	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 6:16	xCO2_Air	376.3432418	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 6:16	xCO2_SW	330.2976547	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 9:16	xCO2_Air	376.5963291	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 9:16	xCO2_SW	331.265154	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 12:16	xCO2_Air	377.4315082	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 12:16	xCO2_SW	331.3714586	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/1/2007 15:16	xCO2_Air	377.5311033	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 15:16	xCO2_SW	331.1479165	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 18:16	xCO2_Air	376.9565891	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 18:16	xCO2_SW	333.1045642	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/1/2007 21:16	xCO2_Air	368.8472842	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/1/2007 21:16	xCO2_SW	325.8689662	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 0:16	xCO2_Air	368.1207583	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 0:16	xCO2_SW	325.6596731	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 3:16	xCO2_Air	367.7144415	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 3:16	xCO2_SW	346.0681906	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 6:16	xCO2_Air	373.0019837	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 6:16	xCO2_SW	366.2721264	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 9:16	xCO2_Air	375.4652261	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 9:16	xCO2_SW	345.1571367	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 12:16	xCO2_Air	375.8337145	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 12:16	xCO2_SW	339.1335757	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 15:16	xCO2_Air	375.4271378	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 15:16	xCO2_SW	335.1151751	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 18:16	xCO2_Air	375.891376	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 18:16	xCO2_SW	336.3408006	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/2/2007 21:16	xCO2_Air	377.9423914	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/2/2007 21:16	xCO2_SW	334.5661624	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/3/2007 0:16	xCO2_Air	374.9277931	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 0:16	xCO2_SW	335.2409396	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/3/2007 3:16	xCO2_Air	371.6621286	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 3:16	xCO2_SW	332.1591209	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/3/2007 6:16	xCO2_Air	371.3267591	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 6:16	xCO2_SW	333.4427913	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/3/2007 9:16	xCO2_Air	372.6560004	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



7/3/2007 9:16	xCO2_SW	332.8236623	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/3/2007 12:16	xCO2_Air	375.6017323	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 12:16	xCO2_SW	337.3060954	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/3/2007 15:16	xCO2_Air	377.5399357	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 15:16	xCO2_SW	337.4359393	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/3/2007 18:16	xCO2_Air	376.1738342	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 18:16	xCO2_SW	340.7502294	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/3/2007 21:16	xCO2_Air	376.0873635	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/3/2007 21:16	xCO2_SW	341.3909781	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 0:16	xCO2_Air	376.2739844	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 0:16	xCO2_SW	340.2132029	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 3:16	xCO2_Air	376.4260436	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 3:16	xCO2_SW	339.6529061	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 6:16	xCO2_Air	376.548588	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 6:16	xCO2_SW	340.6051645	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 9:16	xCO2_Air	376.8306714	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 9:16	xCO2_SW	340.4783241	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 12:16	xCO2_Air	376.8008948	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 12:16	xCO2_SW	341.9763851	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 15:16	xCO2_Air	376.4272073	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 15:16	xCO2_SW	342.6165991	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 18:16	xCO2_Air	372.0362525	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 18:16	xCO2_SW	339.9783117	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/4/2007 21:16	xCO2_Air	373.224535	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/4/2007 21:16	xCO2_SW	342.197355	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/5/2007 0:16	xCO2_Air	370.5296706	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 0:16	xCO2_SW	342.8017601	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/5/2007 3:16	xCO2_Air	375.3788645	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 3:16	xCO2_SW	342.9990593	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				

7/5/2007 6:16	xCO2_Air	376.5516342	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 6:16	xCO2_SW	346.8313442	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/5/2007 9:16	xCO2_Air	376.601195	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 9:16	xCO2_SW	356.1341517	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/5/2007 12:16	xCO2_Air	376.8423286	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 12:16	xCO2_SW	350.5894105	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/5/2007 15:16	xCO2_Air	376.97034	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 15:16	xCO2_SW	347.0879145	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/5/2007 18:16	xCO2_Air	376.2319487	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 18:16	xCO2_SW	345.8523938	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/5/2007 21:16	xCO2_Air	375.9585808	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/5/2007 21:16	xCO2_SW	345.4830805	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 0:16	xCO2_Air	372.2993567	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 0:16	xCO2_SW	341.0684372	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 3:16	xCO2_Air	371.0807717	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 3:16	xCO2_SW	341.0615468	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 6:16	xCO2_Air	372.5846803	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 6:16	xCO2_SW	341.2479941	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 9:16	xCO2_Air	373.8947063	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 9:16	xCO2_SW	338.8674524	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 12:16	xCO2_Air	375.4164986	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 12:16	xCO2_SW	340.0080382	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 15:16	xCO2_Air	374.6388315	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 15:16	xCO2_SW	342.4016691	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 18:16	xCO2_Air	374.0585948	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 18:16	xCO2_SW	340.3639187	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/6/2007 21:16	xCO2_Air	370.0355897	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/6/2007 21:16	xCO2_SW	337.4789898	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/7/2007 0:16	xCO2_Air	370.5129689	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

7/7/2007 0:16	xCO2_SW	338.2004528	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 3:16	xCO2_Air	375.073117	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 3:16	xCO2_SW	343.7675583	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 6:16	xCO2_Air	376.5710192	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 6:16	xCO2_SW	346.2880089	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 9:16	xCO2_Air	376.3063772	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 9:16	xCO2_SW	344.5828454	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 12:16	xCO2_Air	376.2677561	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 12:16	xCO2_SW	344.5100304	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 15:16	xCO2_Air	377.0381753	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 15:16	xCO2_SW	343.937772	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 18:16	xCO2_Air	374.9995367	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 18:16	xCO2_SW	342.4820037	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/7/2007 21:16	xCO2_Air	368.3618042	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/7/2007 21:16	xCO2_SW	331.6528059	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 0:16	xCO2_Air	370.171037	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 0:16	xCO2_SW	335.3576363	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 3:16	xCO2_Air	372.9528013	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 3:16	xCO2_SW	344.1638299	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 6:16	xCO2_Air	372.8780878	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 6:16	xCO2_SW	348.5752316	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 9:16	xCO2_Air	374.1549779	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 9:16	xCO2_SW	348.1237387	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 12:16	xCO2_Air	373.3238498	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 12:16	xCO2_SW	341.5025376	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 15:16	xCO2_Air	375.0076117	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 15:16	xCO2_SW	340.5616211	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				
7/8/2007 18:16	xCO2_Air	374.9852762	4	bad CO2 air measurement; MAPCO2 CO2 air is more
than 4 ppm below MBL				
7/8/2007 18:16	xCO2_SW	341.5924823	3	low CO2 air measurements and other clues in diagnostics
make CO2 sw measurements questionable from 6/17/07 to end of deployment				

7/8/2007 21:16	xCO2_Air	377.4449918	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/8/2007 21:16	xCO2_SW	334.065863	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 0:16	xCO2_Air	374.1934835	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 0:16	xCO2_SW	328.0625436	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 3:16	xCO2_Air	374.9161321	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 3:16	xCO2_SW	330.7718592	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 6:16	xCO2_Air	376.2900852	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 6:16	xCO2_SW	339.5708466	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 9:16	xCO2_Air	377.1653408	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 9:16	xCO2_SW	344.4389495	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 12:16	xCO2_Air	376.1041154	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 12:16	xCO2_SW	340.3026706	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 15:16	xCO2_Air	375.7203389	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 15:16	xCO2_SW	338.7535584	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 18:16	xCO2_Air	376.2432435	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 18:16	xCO2_SW	335.3620254	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/9/2007 21:16	xCO2_Air	375.5739606	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/9/2007 21:16	xCO2_SW	337.2765598	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 0:16	xCO2_Air	370.9083215	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 0:16	xCO2_SW	337.1513376	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 3:16	xCO2_Air	368.6203718	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 3:16	xCO2_SW	342.2519591	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 6:16	xCO2_Air	367.3460105	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 6:16	xCO2_SW	352.0936296	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 9:16	xCO2_Air	373.3080761	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 9:16	xCO2_SW	349.8925202	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 12:16	xCO2_Air	373.1320712	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 12:16	xCO2_SW	346.1156723	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 15:16	xCO2_Air	373.0093294	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

7/10/2007 15:16	xCO2_SW	343.3130957	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 18:16	xCO2_Air	372.6325088	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 18:16	xCO2_SW	341.6128979	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/10/2007 21:16	xCO2_Air	366.8201942	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/10/2007 21:16	xCO2_SW	333.1823102	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 0:16	xCO2_Air	365.5482369	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 0:16	xCO2_SW	335.9120584	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 3:16	xCO2_Air	368.4341685	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 3:16	xCO2_SW	339.680784	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 6:16	xCO2_Air	371.2586412	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 6:16	xCO2_SW	341.3585251	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 9:16	xCO2_Air	373.449721	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 9:16	xCO2_SW	342.9087922	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 12:16	xCO2_Air	374.4122187	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 12:16	xCO2_SW	341.8623067	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 15:16	xCO2_Air	374.753153	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 15:16	xCO2_SW	339.6629584	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 18:16	xCO2_Air	374.2172612	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 18:16	xCO2_SW	336.1040543	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/11/2007 21:16	xCO2_Air	373.8321613	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/11/2007 21:16	xCO2_SW	338.6223545	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 0:16	xCO2_Air	371.7526429	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 0:16	xCO2_SW	334.963884	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 3:16	xCO2_Air	373.8077049	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 3:16	xCO2_SW	334.7758281	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 6:16	xCO2_Air	374.3388508	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 6:16	xCO2_SW	331.0169134	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 9:16	xCO2_Air	374.9123107	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 9:16	xCO2_SW	335.4435486	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment



7/12/2007 12:16	xCO2_Air	374.8598658	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 12:16	xCO2_SW	332.7612601	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 15:16	xCO2_Air	374.5930325	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 15:16	xCO2_SW	334.4267155	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 18:16	xCO2_Air	374.8095071	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 18:16	xCO2_SW	334.6735904	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/12/2007 21:16	xCO2_Air	374.7658844	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/12/2007 21:16	xCO2_SW	336.0972528	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 0:16	xCO2_Air	374.6302919	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 0:16	xCO2_SW	338.145662	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 3:16	xCO2_Air	376.0574661	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 3:16	xCO2_SW	337.8468275	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 6:16	xCO2_Air	376.3635332	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 6:16	xCO2_SW	337.8505451	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 9:16	xCO2_Air	376.0901283	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 9:16	xCO2_SW	337.1730551	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 12:16	xCO2_Air	376.4746953	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 12:16	xCO2_SW	337.6992351	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 15:16	xCO2_Air	376.8031556	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 15:16	xCO2_SW	335.8027994	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 18:16	xCO2_Air	376.7282153	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 18:16	xCO2_SW	341.059001	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/13/2007 21:16	xCO2_Air	375.6110545	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/13/2007 21:16	xCO2_SW	335.7577359	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 0:16	xCO2_Air	369.3428403	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/14/2007 0:16	xCO2_SW	332.3668007	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 3:16	xCO2_Air	376.5368503	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/14/2007 3:16	xCO2_SW	335.9984691	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 6:16	xCO2_Air	376.1649371	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



7/14/2007 6:16	xCO2_SW	333.9798595	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 9:16	xCO2_Air	376.3625934	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/14/2007 9:16	xCO2_SW	335.6030803	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 12:16	xCO2_Air	376.1032209	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/14/2007 12:16	xCO2_SW	333.3246616	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 15:16	xCO2_Air	376.8816633	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/14/2007 15:16	xCO2_SW	339.4853214	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 18:16	xCO2_Air	376.6872778	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/14/2007 18:16	xCO2_SW	338.0450842	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/14/2007 21:16	xCO2_Air	376.8904664	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/14/2007 21:16	xCO2_SW	335.3316266	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 0:16	xCO2_Air	377.0008669	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/15/2007 0:16	xCO2_SW	336.5132591	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 3:16	xCO2_Air	375.3759321	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/15/2007 3:16	xCO2_SW	333.7295714	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 6:16	xCO2_Air	376.8119543	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/15/2007 6:16	xCO2_SW	339.5919533	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 9:16	xCO2_Air	376.4575842	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/15/2007 9:16	xCO2_SW	335.9711485	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 12:16	xCO2_Air	375.6842735	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/15/2007 12:16	xCO2_SW	344.4577377	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 15:16	xCO2_Air	375.1182215	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/15/2007 15:16	xCO2_SW	341.1805488	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 18:16	xCO2_Air	375.4630804	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/15/2007 18:16	xCO2_SW	339.6307017	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/15/2007 21:16	xCO2_Air	374.6010503	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/15/2007 21:16	xCO2_SW	338.3200886	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/16/2007 0:16	xCO2_Air	375.7601832	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/16/2007 0:16	xCO2_SW	340.0979959	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 3:16 xCO2\_Air 376.5777617 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

7/16/2007 3:16 xCO2\_SW 337.2263466 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 6:16 xCO2\_Air 376.7880889 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

7/16/2007 6:16 xCO2\_SW 343.2963379 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 9:16 xCO2\_Air 377.6631314 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

7/16/2007 9:16 xCO2\_SW 337.7468417 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 12:16 xCO2\_Air 377.3625468 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

7/16/2007 12:16 xCO2\_SW 336.1961084 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 15:16 xCO2\_Air 375.7594727 4 bad CO2 air measurement; MAPCO2 CO2 air is  
more than 4 ppm below MBL

7/16/2007 15:16 xCO2\_SW 335.6083402 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 18:16 xCO2\_Air 376.3096644 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

7/16/2007 18:16 xCO2\_SW 336.9960789 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/16/2007 21:16 xCO2\_Air 377.0362097 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

7/16/2007 21:16 xCO2\_SW 337.1778386 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 0:16 xCO2\_Air 374.7369515 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
than 4 ppm below MBL

7/17/2007 0:16 xCO2\_SW 334.1587158 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 3:16 xCO2\_Air 370.5937962 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
than 4 ppm below MBL

7/17/2007 3:16 xCO2\_SW 330.0758361 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 6:16 xCO2\_Air 373.25813 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
than 4 ppm below MBL

7/17/2007 6:16 xCO2\_SW 331.6642835 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 9:16 xCO2\_Air 377.3377411 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

7/17/2007 9:16 xCO2\_SW 335.5594709 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 12:16 xCO2\_Air 377.4769716 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

7/17/2007 12:16 xCO2\_SW 332.6466115 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 15:16 xCO2\_Air 377.6595674 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

7/17/2007 15:16 xCO2\_SW 332.8034395 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 18:16 xCO2\_Air 377.8378304 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

7/17/2007 18:16 xCO2\_SW 332.4013648 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/17/2007 21:16 xCO2\_Air 375.9657693 4 bad CO2 air measurement; MAPCO2 CO2 air is  
more than 4 ppm below MBL

7/17/2007 21:16	xCO2_SW	329.0261063	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 0:16	xCO2_Air	369.264612	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/18/2007 0:16	xCO2_SW	330.0082474	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 3:16	xCO2_Air	368.6024656	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/18/2007 3:16	xCO2_SW	338.4364633	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 6:16	xCO2_Air	371.6517176	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/18/2007 6:16	xCO2_SW	333.4906094	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 9:16	xCO2_Air	377.4244603	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/18/2007 9:16	xCO2_SW	338.9147817	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 12:16	xCO2_Air	377.4571865	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/18/2007 12:16	xCO2_SW	334.2290058	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 15:16	xCO2_Air	377.4653169	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/18/2007 15:16	xCO2_SW	332.7486209	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 18:16	xCO2_Air	377.8668488	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/18/2007 18:16	xCO2_SW	332.8431628	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/18/2007 21:16	xCO2_Air	369.567673	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/18/2007 21:16	xCO2_SW	325.832749	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 0:16	xCO2_Air	370.6891176	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 0:16	xCO2_SW	327.6041163	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 3:16	xCO2_Air	373.7370392	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 3:16	xCO2_SW	331.3860922	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 6:16	xCO2_Air	375.3439262	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 6:16	xCO2_SW	332.19546	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 9:16	xCO2_Air	376.7903856	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/19/2007 9:16	xCO2_SW	335.4914417	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 12:16	xCO2_Air	373.5475578	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 12:16	xCO2_SW	334.5517394	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 15:16	xCO2_Air	373.5490524	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 15:16	xCO2_SW	332.9936422	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/19/2007 18:16	xCO2_Air	374.0374881	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 18:16	xCO2_SW	333.4646236	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/19/2007 21:16	xCO2_Air	372.5303039	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/19/2007 21:16	xCO2_SW	330.3100864	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 0:16	xCO2_Air	367.6545177	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 0:16	xCO2_SW	327.520621	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 3:16	xCO2_Air	369.1232134	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 3:16	xCO2_SW	328.1270385	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 6:16	xCO2_Air	369.5340686	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 6:16	xCO2_SW	328.8117248	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 9:16	xCO2_Air	370.0227234	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 9:16	xCO2_SW	329.6751145	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 12:16	xCO2_Air	368.2968986	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 12:16	xCO2_SW	330.2347326	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 15:16	xCO2_Air	369.1525214	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 15:16	xCO2_SW	328.4944022	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 18:16	xCO2_Air	369.7032712	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 18:16	xCO2_SW	334.767643	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/20/2007 21:16	xCO2_Air	366.0255289	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/20/2007 21:16	xCO2_SW	333.7400207	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 0:16	xCO2_Air	366.5189967	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 0:16	xCO2_SW	334.4214972	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 3:16	xCO2_Air	366.6303507	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 3:16	xCO2_SW	336.7334853	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 6:16	xCO2_Air	369.9741041	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 6:16	xCO2_SW	337.2956503	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 9:16	xCO2_Air	370.7048764	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 9:16	xCO2_SW	338.0688317	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 12:16	xCO2_Air	370.202647	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



7/21/2007 12:16	xCO2_SW	337.2714003	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 15:16	xCO2_Air	371.2860282	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 15:16	xCO2_SW	337.6286694	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 18:16	xCO2_Air	372.1003655	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 18:16	xCO2_SW	339.7496056	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/21/2007 21:16	xCO2_Air	371.8646447	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/21/2007 21:16	xCO2_SW	339.8292866	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 0:16	xCO2_Air	372.076957	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 0:16	xCO2_SW	340.3247029	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 3:16	xCO2_Air	369.6894259	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 3:16	xCO2_SW	338.0770221	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 6:16	xCO2_Air	367.5432273	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 6:16	xCO2_SW	336.6847767	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 9:16	xCO2_Air	368.3411666	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 9:16	xCO2_SW	337.2378543	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 12:16	xCO2_Air	369.0423751	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 12:16	xCO2_SW	337.7928624	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 15:16	xCO2_Air	369.5610673	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 15:16	xCO2_SW	339.490882	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 18:16	xCO2_Air	369.7520486	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 18:16	xCO2_SW	338.8091353	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/22/2007 21:16	xCO2_Air	370.4346893	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/22/2007 21:16	xCO2_SW	340.185731	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 0:16	xCO2_Air	370.5404312	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 0:16	xCO2_SW	341.0760232	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 3:16	xCO2_Air	372.0667679	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 3:16	xCO2_SW	342.5111515	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 6:16	xCO2_Air	373.367453	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 6:16	xCO2_SW	342.463464	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/23/2007 9:16	xCO2_Air	373.5027045	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 9:16	xCO2_SW	343.365064	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 12:16	xCO2_Air	374.4744663	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 12:16	xCO2_SW	343.0492682	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 15:16	xCO2_Air	374.7894422	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 15:16	xCO2_SW	343.9641266	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 18:16	xCO2_Air	380.8695483	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/23/2007 18:16	xCO2_SW	345.3380046	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/23/2007 21:16	xCO2_Air	372.4152204	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/23/2007 21:16	xCO2_SW	341.1054619	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 0:16	xCO2_Air	369.5260106	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 0:16	xCO2_SW	338.7317393	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 3:16	xCO2_Air	369.2406157	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 3:16	xCO2_SW	343.5455545	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 6:16	xCO2_Air	362.400515	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 6:16	xCO2_SW	343.805564	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 9:16	xCO2_Air	375.3788049	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/24/2007 9:16	xCO2_SW	346.7659171	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 12:16	xCO2_Air	374.0735245	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 12:16	xCO2_SW	347.5886273	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 15:16	xCO2_Air	373.3821162	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 15:16	xCO2_SW	346.9605859	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 18:16	xCO2_Air	373.0436676	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 18:16	xCO2_SW	345.8610349	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/24/2007 21:16	xCO2_Air	363.7280916	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/24/2007 21:16	xCO2_SW	335.4759078	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 0:16	xCO2_Air	360.2623131	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 0:16	xCO2_SW	339.7834066	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 3:16	xCO2_Air	358.4606249	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



7/25/2007 3:16	xCO2_SW	360.2125014	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 6:16	xCO2_Air	360.8365233	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 6:16	xCO2_SW	368.2883351	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 9:16	xCO2_Air	366.2725764	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 9:16	xCO2_SW	364.2375208	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 12:16	xCO2_Air	364.9773499	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 12:16	xCO2_SW	365.2306882	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 15:16	xCO2_Air	366.9215716	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 15:16	xCO2_SW	357.2926882	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 18:16	xCO2_Air	367.9355046	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 18:16	xCO2_SW	349.7550807	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/25/2007 21:16	xCO2_Air	366.7116572	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/25/2007 21:16	xCO2_SW	342.6991786	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 0:16	xCO2_Air	361.481283	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 0:16	xCO2_SW	339.4780601	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 3:16	xCO2_Air	367.2960386	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 3:16	xCO2_SW	346.0177597	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 6:16	xCO2_Air	367.0541223	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 6:16	xCO2_SW	347.5487181	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 9:16	xCO2_Air	367.9180362	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 9:16	xCO2_SW	351.2219099	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 12:16	xCO2_Air	364.5712775	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 12:16	xCO2_SW	349.2095715	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 15:16	xCO2_Air	367.2638891	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 15:16	xCO2_SW	345.1812452	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 18:16	xCO2_Air	366.9595604	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 18:16	xCO2_SW	340.373045	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/26/2007 21:16	xCO2_Air	359.6362582	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/26/2007 21:16	xCO2_SW	337.0152679	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/27/2007 0:16	xCO2_Air	356.6818563	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 0:16	xCO2_SW	335.5638302	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 3:16	xCO2_Air	360.7837315	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 3:16	xCO2_SW	342.2451388	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 6:16	xCO2_Air	359.7867503	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 6:16	xCO2_SW	348.5986736	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 9:16	xCO2_Air	368.5505466	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 9:16	xCO2_SW	349.8600905	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 12:16	xCO2_Air	370.1720203	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 12:16	xCO2_SW	352.1449315	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 15:16	xCO2_Air	370.1262759	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 15:16	xCO2_SW	350.1332998	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 18:16	xCO2_Air	370.1640833	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 18:16	xCO2_SW	349.5870203	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/27/2007 21:16	xCO2_Air	362.4690789	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/27/2007 21:16	xCO2_SW	343.0507476	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 0:16	xCO2_Air	364.1236709	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/28/2007 0:16	xCO2_SW	343.8375407	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 3:16	xCO2_Air	361.7833293	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/28/2007 3:16	xCO2_SW	363.4408544	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 6:16	xCO2_Air	365.5489251	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/28/2007 6:16	xCO2_SW	370.7674505	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 9:16	xCO2_Air	372.2915191	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/28/2007 9:16	xCO2_SW	361.4427496	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 12:16	xCO2_Air	375.9110508	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/28/2007 12:16	xCO2_SW	357.8227895	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 15:16	xCO2_Air	376.1024864	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/28/2007 15:16	xCO2_SW	353.7944833	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 18:16	xCO2_Air	374.7685041	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

7/28/2007 18:16	xCO2_SW	350.3053881	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/28/2007 21:16	xCO2_Air	373.7146639	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/28/2007 21:16	xCO2_SW	345.6388425	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 0:16	xCO2_Air	370.1928326	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/29/2007 0:16	xCO2_SW	346.7891831	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 3:16	xCO2_Air	372.9812	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/29/2007 3:16	xCO2_SW	347.9267828	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 6:16	xCO2_Air	378.4425873	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/29/2007 6:16	xCO2_SW	350.6672868	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 9:16	xCO2_Air	381.4378947	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/29/2007 9:16	xCO2_SW	352.4691295	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 12:16	xCO2_Air	374.4474803	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/29/2007 12:16	xCO2_SW	351.1259653	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 15:16	xCO2_Air	375.6182056	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/29/2007 15:16	xCO2_SW	352.1665908	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 18:16	xCO2_Air	374.6583969	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/29/2007 18:16	xCO2_SW	354.4799428	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/29/2007 21:16	xCO2_Air	375.9619762	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/29/2007 21:16	xCO2_SW	348.3356097	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 0:16	xCO2_Air	368.6100573	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/30/2007 0:16	xCO2_SW	344.1741216	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 3:16	xCO2_Air	369.0784596	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/30/2007 3:16	xCO2_SW	346.5428455	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 6:16	xCO2_Air	369.6140095	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/30/2007 6:16	xCO2_SW	343.7674292	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 9:16	xCO2_Air	377.0450536	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/30/2007 9:16	xCO2_SW	346.0186903	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 12:16	xCO2_Air	377.3589576	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/30/2007 12:16	xCO2_SW	348.205355	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

7/30/2007 15:16	xCO2_Air	377.6426746	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/30/2007 15:16	xCO2_SW	349.9799742	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 18:16	xCO2_Air	375.9897345	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/30/2007 18:16	xCO2_SW	351.4228448	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/30/2007 21:16	xCO2_Air	370.6870415	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/30/2007 21:16	xCO2_SW	347.1581772	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 0:16	xCO2_Air	370.1761341	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/31/2007 0:16	xCO2_SW	346.6295751	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 3:16	xCO2_Air	372.4940082	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/31/2007 3:16	xCO2_SW	346.4636145	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 6:16	xCO2_Air	374.8562727	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/31/2007 6:16	xCO2_SW	346.9635379	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 9:16	xCO2_Air	378.551367	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/31/2007 9:16	xCO2_SW	348.0988663	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 12:16	xCO2_Air	378.4660205	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/31/2007 12:16	xCO2_SW	348.6871724	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 15:16	xCO2_Air	377.7003802	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/31/2007 15:16	xCO2_SW	348.9749671	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 18:16	xCO2_Air	377.2430265	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
7/31/2007 18:16	xCO2_SW	347.5599699	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
7/31/2007 21:16	xCO2_Air	373.8509917	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
7/31/2007 21:16	xCO2_SW	346.4076578	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 0:16	xCO2_Air	368.6729246	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/1/2007 0:16	xCO2_SW	345.9052903	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 3:16	xCO2_Air	371.928651	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/1/2007 3:16	xCO2_SW	348.4719793	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 6:16	xCO2_Air	376.4359	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/1/2007 6:16	xCO2_SW	349.1391672	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 9:16	xCO2_Air	379.291201	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



8/1/2007 9:16	xCO2_SW	351.6593963	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 12:16	xCO2_Air	379.7111892	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/1/2007 12:16	xCO2_SW	353.6176377	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 15:16	xCO2_Air	379.2216828	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/1/2007 15:16	xCO2_SW	353.6496324	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 18:16	xCO2_Air	379.2848883	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/1/2007 18:16	xCO2_SW	351.9242902	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/1/2007 21:16	xCO2_Air	377.1428549	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/1/2007 21:16	xCO2_SW	349.221209	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 0:16	xCO2_Air	371.6482225	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/2/2007 0:16	xCO2_SW	347.6576356	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 3:16	xCO2_Air	374.9078991	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/2/2007 3:16	xCO2_SW	350.6089425	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 6:16	xCO2_Air	372.834604	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/2/2007 6:16	xCO2_SW	348.5337106	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 9:16	xCO2_Air	377.2352245	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/2/2007 9:16	xCO2_SW	350.6847839	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 12:16	xCO2_Air	378.1047962	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/2/2007 12:16	xCO2_SW	354.0375095	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 15:16	xCO2_Air	377.6134184	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/2/2007 15:16	xCO2_SW	353.6113279	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 18:16	xCO2_Air	377.1304985	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/2/2007 18:16	xCO2_SW	354.1561081	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/2/2007 21:16	xCO2_Air	375.451918	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/2/2007 21:16	xCO2_SW	353.4194681	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 0:16	xCO2_Air	372.0368037	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/3/2007 0:16	xCO2_SW	351.0722503	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 3:16	xCO2_Air	372.5277335	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/3/2007 3:16	xCO2_SW	352.1962562	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/3/2007 6:16	xCO2_Air	374.9548158	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/3/2007 6:16	xCO2_SW	357.5955343	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 9:16	xCO2_Air	379.2024309	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/3/2007 9:16	xCO2_SW	362.1408661	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 12:16	xCO2_Air	379.4400677	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/3/2007 12:16	xCO2_SW	361.0056876	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 15:16	xCO2_Air	378.7522751	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/3/2007 15:16	xCO2_SW	362.303486	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 18:16	xCO2_Air	377.2164288	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/3/2007 18:16	xCO2_SW	359.8217703	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/3/2007 21:16	xCO2_Air	372.7295801	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/3/2007 21:16	xCO2_SW	357.2585596	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 0:16	xCO2_Air	370.0816523	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/4/2007 0:16	xCO2_SW	354.6577992	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 3:16	xCO2_Air	375.0738848	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 3:16	xCO2_SW	359.4940387	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 6:16	xCO2_Air	377.3074466	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 6:16	xCO2_SW	360.7486527	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 9:16	xCO2_Air	379.2291202	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 9:16	xCO2_SW	363.9384879	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 12:16	xCO2_Air	378.9440777	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 12:16	xCO2_SW	362.5680784	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 15:16	xCO2_Air	378.1305667	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 15:16	xCO2_SW	360.6263216	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 18:16	xCO2_Air	377.770455	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 18:16	xCO2_SW	357.4516031	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/4/2007 21:16	xCO2_Air	377.615344	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/4/2007 21:16	xCO2_SW	356.7652498	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/5/2007 0:16	xCO2_Air	372.9482414	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



8/5/2007 0:16 xCO2\_SW 355.0695902 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 3:16 xCO2\_Air 375.494559 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 3:16 xCO2\_SW 359.4690764 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 6:16 xCO2\_Air 378.2609825 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 6:16 xCO2\_SW 359.0719 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 9:16 xCO2\_Air 379.2943408 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 9:16 xCO2\_SW 360.5097538 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 12:16 xCO2\_Air 379.1387904 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 12:16 xCO2\_SW 361.7327478 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 15:16 xCO2\_Air 379.7570918 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 15:16 xCO2\_SW 362.8909397 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 18:16 xCO2\_Air 381.4047839 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 18:16 xCO2\_SW 363.2748171 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/5/2007 21:16 xCO2\_Air 378.6220014 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/5/2007 21:16 xCO2\_SW 365.7754151 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 0:16 xCO2\_Air 371.7708743 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
than 4 ppm below MBL

8/6/2007 0:16 xCO2\_SW 362.1727747 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 3:16 xCO2\_Air 369.0756775 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
than 4 ppm below MBL

8/6/2007 3:16 xCO2\_SW 365.3630287 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 6:16 xCO2\_Air 376.6170015 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/6/2007 6:16 xCO2\_SW 370.05085 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 9:16 xCO2\_Air 379.5621756 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/6/2007 9:16 xCO2\_SW 372.6481101 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 12:16 xCO2\_Air 379.8411647 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/6/2007 12:16 xCO2\_SW 370.1677921 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 15:16 xCO2\_Air 384.9820385 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/6/2007 15:16 xCO2\_SW 369.3035814 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 18:16 xCO2\_Air 386.1466111 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/6/2007 18:16 xCO2\_SW 368.4252869 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/6/2007 21:16	xCO2_Air	371.9889773	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/6/2007 21:16	xCO2_SW	361.6923063	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 0:16	xCO2_Air	369.7060419	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/7/2007 0:16	xCO2_SW	366.1350021	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 3:16	xCO2_Air	371.4558951	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/7/2007 3:16	xCO2_SW	372.6201847	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 6:16	xCO2_Air	375.3448446	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/7/2007 6:16	xCO2_SW	376.681817	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 9:16	xCO2_Air	379.2104514	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/7/2007 9:16	xCO2_SW	379.1576619	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 12:16	xCO2_Air	379.5683823	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/7/2007 12:16	xCO2_SW	383.3372449	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 15:16	xCO2_Air	379.3859236	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/7/2007 15:16	xCO2_SW	383.5606524	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 18:16	xCO2_Air	378.8483467	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/7/2007 18:16	xCO2_SW	383.1211292	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/7/2007 21:16	xCO2_Air	377.1581289	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/7/2007 21:16	xCO2_SW	373.9285588	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 0:16	xCO2_Air	370.9581184	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/8/2007 0:16	xCO2_SW	374.1775012	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 3:16	xCO2_Air	374.2605157	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/8/2007 3:16	xCO2_SW	377.8873021	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 6:16	xCO2_Air	377.5208678	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/8/2007 6:16	xCO2_SW	383.3124197	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 9:16	xCO2_Air	379.3124835	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/8/2007 9:16	xCO2_SW	376.1381079	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 12:16	xCO2_Air	378.2936667	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/8/2007 12:16	xCO2_SW	383.2161523	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 15:16	xCO2_Air	378.4528772	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/8/2007 15:16	xCO2_SW	378.9265502	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 18:16	xCO2_Air	378.9394583	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/8/2007 18:16	xCO2_SW	378.2303361	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/8/2007 21:16	xCO2_Air	375.8462485	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/8/2007 21:16	xCO2_SW	382.6144531	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 0:16	xCO2_Air	369.391128	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/9/2007 0:16	xCO2_SW	374.6507591	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 3:16	xCO2_Air	368.8915611	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/9/2007 3:16	xCO2_SW	391.3427462	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 6:16	xCO2_Air	377.7262047	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/9/2007 6:16	xCO2_SW	390.2742706	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 9:16	xCO2_Air	378.883393	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/9/2007 9:16	xCO2_SW	392.8361342	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 12:16	xCO2_Air	379.449821	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/9/2007 12:16	xCO2_SW	382.0886533	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 15:16	xCO2_Air	379.1326379	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/9/2007 15:16	xCO2_SW	379.5259462	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 18:16	xCO2_Air	378.985147	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/9/2007 18:16	xCO2_SW	380.8463224	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/9/2007 21:16	xCO2_Air	372.9404969	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/9/2007 21:16	xCO2_SW	435.279742	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 0:16	xCO2_Air	369.8882148	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/10/2007 0:16	xCO2_SW	391.6162591	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 3:16	xCO2_Air	371.9732233	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/10/2007 3:16	xCO2_SW	445.16717	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 6:16	xCO2_Air	374.1012564	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/10/2007 6:16	xCO2_SW	430.4378463	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 9:16	xCO2_Air	379.9501784	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/10/2007 9:16	xCO2_SW	422.7625614	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/10/2007 12:16	xCO2_Air	381.1964736	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/10/2007 12:16	xCO2_SW	424.6475132	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 15:16	xCO2_Air	383.0183112	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/10/2007 15:16	xCO2_SW	396.0083146	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 18:16	xCO2_Air	382.0808212	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/10/2007 18:16	xCO2_SW	405.2616585	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/10/2007 21:16	xCO2_Air	375.4403367	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/10/2007 21:16	xCO2_SW	418.9755968	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 0:16	xCO2_Air	370.3337785	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/11/2007 0:16	xCO2_SW	413.6696298	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 3:16	xCO2_Air	372.66373	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/11/2007 3:16	xCO2_SW	418.5278764	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 6:16	xCO2_Air	380.2193299	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/11/2007 6:16	xCO2_SW	415.8498903	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 9:16	xCO2_Air	384.7393059	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/11/2007 9:16	xCO2_SW	425.2487777	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 12:16	xCO2_Air	386.9421343	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/11/2007 12:16	xCO2_SW	419.6839049	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 15:16	xCO2_Air	384.174554	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/11/2007 15:16	xCO2_SW	429.0725088	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 18:16	xCO2_Air	383.5739235	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/11/2007 18:16	xCO2_SW	425.7908948	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/11/2007 21:16	xCO2_Air	381.3104359	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/11/2007 21:16	xCO2_SW	415.6314386	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 0:16	xCO2_Air	372.3789489	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/12/2007 0:16	xCO2_SW	413.8394489	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 3:16	xCO2_Air	370.8879624	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/12/2007 3:16	xCO2_SW	425.4121055	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 6:16	xCO2_Air	374.9519558	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



8/12/2007 6:16	xCO2_SW	427.9588537	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 9:16	xCO2_Air	379.7696736	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/12/2007 9:16	xCO2_SW	431.9466388	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 12:16	xCO2_Air	380.2693468	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/12/2007 12:16	xCO2_SW	407.0190461	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 15:16	xCO2_Air	380.0775739	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/12/2007 15:16	xCO2_SW	408.1832876	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 18:16	xCO2_Air	379.7423218	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/12/2007 18:16	xCO2_SW	412.2306664	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/12/2007 21:16	xCO2_Air	370.9690566	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/12/2007 21:16	xCO2_SW	407.1138658	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 0:16	xCO2_Air	369.6497805	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/13/2007 0:16	xCO2_SW	409.9541816	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 3:16	xCO2_Air	373.2298529	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/13/2007 3:16	xCO2_SW	427.5490859	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 6:16	xCO2_Air	376.5911765	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/13/2007 6:16	xCO2_SW	426.5448064	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 9:16	xCO2_Air	379.5579027	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/13/2007 9:16	xCO2_SW	425.7405769	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 12:16	xCO2_Air	379.316885	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/13/2007 12:16	xCO2_SW	420.5048685	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 15:16	xCO2_Air	379.7552266	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/13/2007 15:16	xCO2_SW	418.2989288	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 18:16	xCO2_Air	379.5460485	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/13/2007 18:16	xCO2_SW	420.3094822	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/13/2007 21:16	xCO2_Air	370.4451866	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/13/2007 21:16	xCO2_SW	406.4223684	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/14/2007 0:16	xCO2_Air	369.7158853	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/14/2007 0:16	xCO2_SW	409.3306702	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment



8/14/2007 3:16 xCO2\_Air 373.9302257 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/14/2007 3:16 xCO2\_SW 414.3621574 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/14/2007 6:16 xCO2\_Air 375.7341867 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/14/2007 6:16 xCO2\_SW 413.1768966 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/14/2007 9:16 xCO2\_Air 378.9321621 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/14/2007 9:16 xCO2\_SW 418.4100888 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/14/2007 12:16 xCO2\_Air 378.9682833 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/14/2007 12:16 xCO2\_SW 408.169471 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/14/2007 15:16 xCO2\_Air 379.1637986 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/14/2007 15:16 xCO2\_SW 408.4954661 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/14/2007 18:16 xCO2\_Air 379.2196755 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/14/2007 18:16 xCO2\_SW 415.2058769 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/14/2007 21:16 xCO2\_Air 378.0028656 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/14/2007 21:16 xCO2\_SW 412.0140544 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 0:16 xCO2\_Air 368.4755455 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
than 4 ppm below MBL

8/15/2007 0:16 xCO2\_SW 405.8314357 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 3:16 xCO2\_Air 375.6824821 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/15/2007 3:16 xCO2\_SW 410.0828583 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 6:16 xCO2\_Air 377.145963 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/15/2007 6:16 xCO2\_SW 413.2332775 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 9:16 xCO2\_Air 386.9865892 3 low CO2 air measurements and other clues in diagnostics  
make measurements questionable from 6/17/07 to end of deployment

8/15/2007 9:16 xCO2\_SW 422.0868447 3 low CO2 air measurements and other clues in diagnostics  
make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 12:16 xCO2\_Air 385.4471994 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/15/2007 12:16 xCO2\_SW 419.6975622 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 15:16 xCO2\_Air 383.5624838 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/15/2007 15:16 xCO2\_SW 421.1171922 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 18:16 xCO2\_Air 383.6074505 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/15/2007 18:16 xCO2\_SW 420.0950305 3 low CO2 air measurements and other clues in  
diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/15/2007 21:16 xCO2\_Air 391.1979493 3 low CO2 air measurements and other clues in  
diagnostics make measurements questionable from 6/17/07 to end of deployment

8/15/2007 21:16	xCO2_SW	414.5335162	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 0:16	xCO2_Air	385.4422257	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 0:16	xCO2_SW	416.0270598	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 3:16	xCO2_Air	385.5556677	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 3:16	xCO2_SW	423.7032098	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 6:16	xCO2_Air	386.0379644	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 6:16	xCO2_SW	428.1138863	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 9:16	xCO2_Air	386.5966876	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 9:16	xCO2_SW	432.8894942	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 12:16	xCO2_Air	387.6032808	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 12:16	xCO2_SW	427.0478015	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 15:16	xCO2_Air	386.0307547	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 15:16	xCO2_SW	430.189147	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 18:16	xCO2_Air	378.5916036	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 18:16	xCO2_SW	423.5671322	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/16/2007 21:16	xCO2_Air	374.2129308	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/16/2007 21:16	xCO2_SW	405.9252772	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 0:16	xCO2_Air	370.3401814	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 0:16	xCO2_SW	403.4945047	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 3:16	xCO2_Air	372.3246291	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 3:16	xCO2_SW	396.8879123	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 6:16	xCO2_Air	371.2080322	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 6:16	xCO2_SW	389.4914528	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 9:16	xCO2_Air	370.7940624	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 9:16	xCO2_SW	384.257972	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 12:16	xCO2_Air	370.2015419	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 12:16	xCO2_SW	381.1917992	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 15:16	xCO2_Air	371.1102614	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 15:16	xCO2_SW	378.7649639	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/17/2007 18:16	xCO2_Air	371.1042939	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 18:16	xCO2_SW	379.5154586	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/17/2007 21:16	xCO2_Air	370.1495879	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/17/2007 21:16	xCO2_SW	375.3438228	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 0:16	xCO2_Air	361.4313016	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 0:16	xCO2_SW	360.8150193	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 3:16	xCO2_Air	360.3023256	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 3:16	xCO2_SW	361.9705126	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 6:16	xCO2_Air	369.3953929	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 6:16	xCO2_SW	356.3585023	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 9:16	xCO2_Air	370.4424083	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 9:16	xCO2_SW	359.2356339	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 12:16	xCO2_Air	370.8535831	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 12:16	xCO2_SW	367.2761674	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 15:16	xCO2_Air	371.0596413	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 15:16	xCO2_SW	360.1143322	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 18:16	xCO2_Air	371.0194102	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 18:16	xCO2_SW	360.2761849	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/18/2007 21:16	xCO2_Air	370.3744416	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/18/2007 21:16	xCO2_SW	361.1066936	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 0:16	xCO2_Air	362.3107835	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 0:16	xCO2_SW	358.3362803	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 3:16	xCO2_Air	364.3244864	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 3:16	xCO2_SW	362.5745023	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 6:16	xCO2_Air	370.6592811	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 6:16	xCO2_SW	370.3441317	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 9:16	xCO2_Air	371.4825704	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 9:16	xCO2_SW	368.7982012	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 12:16	xCO2_Air	371.1638387	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

8/19/2007 12:16	xCO2_SW	370.6044775	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 15:16	xCO2_Air	372.6574144	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 15:16	xCO2_SW	372.0541847	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 18:16	xCO2_Air	372.1186533	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 18:16	xCO2_SW	368.8753289	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/19/2007 21:16	xCO2_Air	366.8783587	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/19/2007 21:16	xCO2_SW	364.3503893	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 0:16	xCO2_Air	364.0735924	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/20/2007 0:16	xCO2_SW	369.8366527	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 3:16	xCO2_Air	365.4731755	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/20/2007 3:16	xCO2_SW	384.0944925	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 6:16	xCO2_Air	366.0012554	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/20/2007 6:16	xCO2_SW	392.7735482	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 9:16	xCO2_Air	374.5334151	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/20/2007 9:16	xCO2_SW	398.8908104	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 12:16	xCO2_Air	373.4613094	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/20/2007 12:16	xCO2_SW	390.4523449	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 15:16	xCO2_Air	373.5032512	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/20/2007 15:16	xCO2_SW	395.2120201	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 18:16	xCO2_Air	374.0038943	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/20/2007 18:16	xCO2_SW	389.1605435	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/20/2007 21:16	xCO2_Air	370.933925	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/20/2007 21:16	xCO2_SW	386.0679071	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/21/2007 0:16	xCO2_Air	367.4428149	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/21/2007 0:16	xCO2_SW	390.0614276	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/21/2007 3:16	xCO2_Air	371.608048	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/21/2007 3:16	xCO2_SW	393.7039149	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/21/2007 6:16	xCO2_Air	373.9936651	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/21/2007 6:16	xCO2_SW	400.8655993	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment



8/21/2007 9:16 xCO2\_Air 380.5019616 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/21/2007 9:16 xCO2\_SW 405.6515635 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/21/2007 12:16 xCO2\_Air 380.8195541 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/21/2007 12:16 xCO2\_SW 402.6716287 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/21/2007 15:16 xCO2\_Air 380.8655727 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/21/2007 15:16 xCO2\_SW 400.2919551 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/21/2007 18:16 xCO2\_Air 380.4433098 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/21/2007 18:16 xCO2\_SW 395.5833517 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/21/2007 21:16 xCO2\_Air 378.5178657 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/21/2007 21:16 xCO2\_SW 391.0075435 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 0:16 xCO2\_Air 379.5071831 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 0:16 xCO2\_SW 388.9630956 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 3:16 xCO2\_Air 379.1077285 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 3:16 xCO2\_SW 392.9739061 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 6:16 xCO2\_Air 378.8087181 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 6:16 xCO2\_SW 391.8256987 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 9:16 xCO2\_Air 379.2593523 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 9:16 xCO2\_SW 390.3557833 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 12:16 xCO2\_Air 378.3344259 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 12:16 xCO2\_SW 389.9164003 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 15:16 xCO2\_Air 378.1908455 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 15:16 xCO2\_SW 390.1704109 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 18:16 xCO2\_Air 378.7117226 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 18:16 xCO2\_SW 390.044309 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/22/2007 21:16 xCO2\_Air 379.8100906 3 low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/22/2007 21:16 xCO2\_SW 387.5602858 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/23/2007 0:16 xCO2\_Air 370.5725657 4 bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

8/23/2007 0:16 xCO2\_SW 387.6402474 3 low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/23/2007 3:16 xCO2\_Air 364.1179185 4 bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL



8/23/2007 3:16	xCO2_SW	383.3353538	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/23/2007 6:16	xCO2_Air	365.9486069	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/23/2007 6:16	xCO2_SW	387.7352374	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/23/2007 9:16	xCO2_Air	370.7289369	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/23/2007 9:16	xCO2_SW	389.7603915	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/23/2007 12:16	xCO2_Air	370.7737985	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/23/2007 12:16	xCO2_SW	389.337254	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/23/2007 15:16	xCO2_Air	370.8399871	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/23/2007 15:16	xCO2_SW	389.6946506	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/23/2007 18:16	xCO2_Air	370.2735468	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/23/2007 18:16	xCO2_SW	388.7850683	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/23/2007 21:16	xCO2_Air	369.0173318	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/23/2007 21:16	xCO2_SW	383.8075268	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 0:16	xCO2_Air	358.153211	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 0:16	xCO2_SW	389.2181222	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 3:16	xCO2_Air	360.0425662	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 3:16	xCO2_SW	416.5652726	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 6:16	xCO2_Air	369.3509552	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 6:16	xCO2_SW	401.4889814	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 9:16	xCO2_Air	371.6711971	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 9:16	xCO2_SW	400.7729664	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 12:16	xCO2_Air	371.7877547	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 12:16	xCO2_SW	396.3097683	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 15:16	xCO2_Air	371.6097843	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 15:16	xCO2_SW	390.7710729	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 18:16	xCO2_Air	371.9130211	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 18:16	xCO2_SW	384.5269179	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/24/2007 21:16	xCO2_Air	365.1030065	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/24/2007 21:16	xCO2_SW	377.1135561	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/25/2007 0:16	xCO2_Air	363.3373554	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 0:16	xCO2_SW	380.9788863	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 3:16	xCO2_Air	364.6356164	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 3:16	xCO2_SW	389.2661254	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 6:16	xCO2_Air	366.3833885	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 6:16	xCO2_SW	392.7554729	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 9:16	xCO2_Air	367.323049	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 9:16	xCO2_SW	391.090383	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 12:16	xCO2_Air	369.7398088	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 12:16	xCO2_SW	390.9294878	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 15:16	xCO2_Air	371.8830271	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 15:16	xCO2_SW	389.1549718	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 18:16	xCO2_Air	373.9839893	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/25/2007 18:16	xCO2_SW	388.8822944	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/25/2007 21:16	xCO2_Air	369.6392483	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/25/2007 21:16	xCO2_SW	386.3275034	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 0:16	xCO2_Air	370.5128228	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/26/2007 0:16	xCO2_SW	386.7801982	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 3:16	xCO2_Air	362.666638	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/26/2007 3:16	xCO2_SW	387.2184379	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 6:16	xCO2_Air	365.6515476	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/26/2007 6:16	xCO2_SW	392.862386	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 9:16	xCO2_Air	376.25068	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/26/2007 9:16	xCO2_SW	396.3528179	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 12:16	xCO2_Air	377.6872311	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/26/2007 12:16	xCO2_SW	392.3813572	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 15:16	xCO2_Air	378.5303984	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/26/2007 15:16	xCO2_SW	393.5385976	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 18:16	xCO2_Air	379.7579436	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

8/26/2007 18:16	xCO2_SW	391.3147266	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/26/2007 21:16	xCO2_Air	378.6619359	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/26/2007 21:16	xCO2_SW	388.783997	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 0:16	xCO2_Air	370.9254412	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/27/2007 0:16	xCO2_SW	387.1567624	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 3:16	xCO2_Air	373.6760618	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 3:16	xCO2_SW	390.9988586	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 6:16	xCO2_Air	378.6595212	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 6:16	xCO2_SW	398.2092027	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 9:16	xCO2_Air	379.7111166	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 9:16	xCO2_SW	400.8755699	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 12:16	xCO2_Air	379.2672201	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 12:16	xCO2_SW	399.5530069	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 15:16	xCO2_Air	379.3260709	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 15:16	xCO2_SW	398.8027576	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 18:16	xCO2_Air	378.7572875	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 18:16	xCO2_SW	395.5392266	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/27/2007 21:16	xCO2_Air	378.5030049	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/27/2007 21:16	xCO2_SW	396.0082261	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 0:16	xCO2_Air	370.8852823	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/28/2007 0:16	xCO2_SW	390.3406925	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 3:16	xCO2_Air	374.8408103	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 3:16	xCO2_SW	394.3000028	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 6:16	xCO2_Air	377.8823158	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 6:16	xCO2_SW	397.9552386	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 9:16	xCO2_Air	377.9827222	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 9:16	xCO2_SW	398.4342648	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 12:16	xCO2_Air	378.1475562	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 12:16	xCO2_SW	397.9647123	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

8/28/2007 15:16	xCO2_Air	378.2495214	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 15:16	xCO2_SW	400.1568909	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 18:16	xCO2_Air	381.8928066	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 18:16	xCO2_SW	402.8188364	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/28/2007 21:16	xCO2_Air	378.2999314	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/28/2007 21:16	xCO2_SW	403.955731	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 0:16	xCO2_Air	376.5170576	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 0:16	xCO2_SW	402.6347763	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 3:16	xCO2_Air	374.9455909	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 3:16	xCO2_SW	400.3769793	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 6:16	xCO2_Air	376.5338393	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 6:16	xCO2_SW	402.1098388	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 9:16	xCO2_Air	376.2855545	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 9:16	xCO2_SW	401.6040273	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 12:16	xCO2_Air	377.1034971	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 12:16	xCO2_SW	406.0633386	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 15:16	xCO2_Air	376.9084545	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 15:16	xCO2_SW	403.4042914	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 18:16	xCO2_Air	377.1032106	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 18:16	xCO2_SW	403.2586895	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/29/2007 21:16	xCO2_Air	376.8611632	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/29/2007 21:16	xCO2_SW	400.4165192	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 0:16	xCO2_Air	374.9141964	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 0:16	xCO2_SW	401.4760451	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 3:16	xCO2_Air	376.1515833	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 3:16	xCO2_SW	403.4507911	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 6:16	xCO2_Air	376.6047605	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 6:16	xCO2_SW	406.0307802	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 9:16	xCO2_Air	376.2222029	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



8/30/2007 9:16	xCO2_SW	404.7047652	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 12:16	xCO2_Air	376.0419451	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 12:16	xCO2_SW	403.4112741	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 15:16	xCO2_Air	377.8891529	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 15:16	xCO2_SW	402.3443171	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 18:16	xCO2_Air	377.0300007	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 18:16	xCO2_SW	399.8667515	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/30/2007 21:16	xCO2_Air	375.0606436	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/30/2007 21:16	xCO2_SW	396.1003118	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 0:16	xCO2_Air	370.2270691	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/31/2007 0:16	xCO2_SW	395.6118327	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 3:16	xCO2_Air	367.8225696	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/31/2007 3:16	xCO2_SW	391.8793741	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 6:16	xCO2_Air	365.7190742	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/31/2007 6:16	xCO2_SW	390.1650557	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 9:16	xCO2_Air	375.6524759	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/31/2007 9:16	xCO2_SW	399.6712881	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 12:16	xCO2_Air	376.0364733	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/31/2007 12:16	xCO2_SW	399.7056332	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 15:16	xCO2_Air	376.3881355	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/31/2007 15:16	xCO2_SW	398.2256425	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 18:16	xCO2_Air	376.8589389	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
8/31/2007 18:16	xCO2_SW	397.323404	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
8/31/2007 21:16	xCO2_Air	372.9840265	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
8/31/2007 21:16	xCO2_SW	394.9595625	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 0:16	xCO2_Air	370.6177604	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/1/2007 0:16	xCO2_SW	394.0587468	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 3:16	xCO2_Air	372.8301173	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/1/2007 3:16	xCO2_SW	394.7016214	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment



9/1/2007 6:16	xCO2_Air	367.7802064	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/1/2007 6:16	xCO2_SW	398.9132225	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 9:16	xCO2_Air	376.5322048	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/1/2007 9:16	xCO2_SW	408.1935109	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 12:16	xCO2_Air	377.0946505	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/1/2007 12:16	xCO2_SW	400.0318105	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 15:16	xCO2_Air	378.2408768	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/1/2007 15:16	xCO2_SW	401.9768512	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 18:16	xCO2_Air	377.6669983	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/1/2007 18:16	xCO2_SW	402.0144134	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/1/2007 21:16	xCO2_Air	368.7975259	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/1/2007 21:16	xCO2_SW	393.3626605	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 0:16	xCO2_Air	368.5802827	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/2/2007 0:16	xCO2_SW	396.5970219	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 3:16	xCO2_Air	369.9976915	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/2/2007 3:16	xCO2_SW	409.0502657	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 6:16	xCO2_Air	376.2697755	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/2/2007 6:16	xCO2_SW	430.9501011	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 9:16	xCO2_Air	378.3882345	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/2/2007 9:16	xCO2_SW	416.8273864	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 12:16	xCO2_Air	379.1742391	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/2/2007 12:16	xCO2_SW	425.1330362	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 15:16	xCO2_Air	379.0704534	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/2/2007 15:16	xCO2_SW	422.0834193	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 18:16	xCO2_Air	379.0895842	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/2/2007 18:16	xCO2_SW	411.898647	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/2/2007 21:16	xCO2_Air	377.1920811	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/2/2007 21:16	xCO2_SW	408.5947902	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 0:16	xCO2_Air	375.2458063	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

9/3/2007 0:16	xCO2_SW	394.5818985	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 3:16	xCO2_Air	376.3937026	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/3/2007 3:16	xCO2_SW	399.1992687	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 6:16	xCO2_Air	377.9064378	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/3/2007 6:16	xCO2_SW	412.4349736	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 9:16	xCO2_Air	379.2341488	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/3/2007 9:16	xCO2_SW	410.6849931	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 12:16	xCO2_Air	379.1213574	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/3/2007 12:16	xCO2_SW	408.8729653	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 15:16	xCO2_Air	379.11985	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/3/2007 15:16	xCO2_SW	411.2819355	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 18:16	xCO2_Air	378.533032	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/3/2007 18:16	xCO2_SW	411.4542193	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/3/2007 21:16	xCO2_Air	371.1320993	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/3/2007 21:16	xCO2_SW	413.4196507	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 0:16	xCO2_Air	372.4935107	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/4/2007 0:16	xCO2_SW	412.2340235	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 3:16	xCO2_Air	376.3050506	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/4/2007 3:16	xCO2_SW	424.800295	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 6:16	xCO2_Air	375.4914806	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/4/2007 6:16	xCO2_SW	427.8480978	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 9:16	xCO2_Air	378.6916893	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/4/2007 9:16	xCO2_SW	430.2547695	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 12:16	xCO2_Air	378.7567522	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/4/2007 12:16	xCO2_SW	429.0942213	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 15:16	xCO2_Air	378.4239103	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/4/2007 15:16	xCO2_SW	428.7536319	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/4/2007 18:16	xCO2_Air	378.2160234	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/4/2007 18:16	xCO2_SW	429.1804733	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

9/4/2007 21:16	xCO2_Air	372.4121109	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/4/2007 21:16	xCO2_SW	423.8745449	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 0:16	xCO2_Air	369.0968152	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/5/2007 0:16	xCO2_SW	420.9962997	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 3:16	xCO2_Air	376.6041737	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 3:16	xCO2_SW	432.4614861	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 6:16	xCO2_Air	376.8737184	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 6:16	xCO2_SW	434.7762525	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 9:16	xCO2_Air	377.9057599	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 9:16	xCO2_SW	435.7680618	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 12:16	xCO2_Air	378.2839549	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 12:16	xCO2_SW	431.385602	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 15:16	xCO2_Air	378.4899444	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 15:16	xCO2_SW	430.2224907	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 18:16	xCO2_Air	378.4031617	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 18:16	xCO2_SW	427.9080351	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/5/2007 21:16	xCO2_Air	373.8609957	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/5/2007 21:16	xCO2_SW	420.8851337	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/6/2007 0:16	xCO2_Air	377.2292016	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/6/2007 0:16	xCO2_SW	418.2347694	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/6/2007 3:16	xCO2_Air	380.4253478	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/6/2007 3:16	xCO2_SW	437.2948262	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/6/2007 6:16	xCO2_Air	377.6148874	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/6/2007 6:16	xCO2_SW	423.5923258	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/6/2007 9:16	xCO2_Air	377.753701	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/6/2007 9:16	xCO2_SW	431.3439245	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/6/2007 12:16	xCO2_Air	378.4153386	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/6/2007 12:16	xCO2_SW	423.2816451	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/6/2007 15:16	xCO2_Air	378.6389223	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment

9/6/2007 15:16 xCO2\_SW 421.7566613 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/6/2007 18:16 xCO2\_Air 378.1668165 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/6/2007 18:16 xCO2\_SW 421.5934113 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/6/2007 21:16 xCO2\_Air 376.7472585 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/6/2007 21:16 xCO2\_SW 420.6304148 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 0:16 xCO2\_Air 378.2228617 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 0:16 xCO2\_SW 424.3940187 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 3:16 xCO2\_Air 378.9707867 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 3:16 xCO2\_SW 425.1899348 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 6:16 xCO2\_Air 378.3620445 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 6:16 xCO2\_SW 425.8747492 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 9:16 xCO2\_Air 378.6345218 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 9:16 xCO2\_SW 422.6006156 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 12:16 xCO2\_Air 378.5408042 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 12:16 xCO2\_SW 419.2208883 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 15:16 xCO2\_Air 378.6310866 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 15:16 xCO2\_SW 420.3131193 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 18:16 xCO2\_Air 378.4943189 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 18:16 xCO2\_SW 418.4131834 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 21:16 xCO2\_Air 378.1552571 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/7/2007 21:16 xCO2\_SW 414.689534 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 0:16 xCO2\_Air 377.1754549 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 0:16 xCO2\_SW 411.2988847 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 3:16 xCO2\_Air 378.3243284 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 3:16 xCO2\_SW 413.7366855 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 6:16 xCO2\_Air 378.8152817 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 6:16 xCO2\_SW 414.0356274 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 9:16 xCO2\_Air 379.1732304 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/8/2007 9:16 xCO2\_SW 412.3447944 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment



9/8/2007 12:16	xCO2_Air	378.9773546	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/8/2007 12:16	xCO2_SW	410.7836083	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/8/2007 15:16	xCO2_Air	379.2146379	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/8/2007 15:16	xCO2_SW	412.0501578	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/8/2007 18:16	xCO2_Air	379.0465509	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/8/2007 18:16	xCO2_SW	413.9666179	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/8/2007 21:16	xCO2_Air	371.2149146	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/8/2007 21:16	xCO2_SW	410.772929	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 0:16	xCO2_Air	368.4294441	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/9/2007 0:16	xCO2_SW	408.9406993	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 3:16	xCO2_Air	370.7610133	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/9/2007 3:16	xCO2_SW	415.3876248	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 6:16	xCO2_Air	367.1986946	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/9/2007 6:16	xCO2_SW	427.19388	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 9:16	xCO2_Air	378.0372977	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/9/2007 9:16	xCO2_SW	427.7855065	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 12:16	xCO2_Air	378.6438544	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/9/2007 12:16	xCO2_SW	419.8013836	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 15:16	xCO2_Air	378.5250033	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/9/2007 15:16	xCO2_SW	426.1715127	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 18:16	xCO2_Air	378.083726	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/9/2007 18:16	xCO2_SW	419.5000195	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/9/2007 21:16	xCO2_Air	377.660913	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/9/2007 21:16	xCO2_SW	416.249105	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/10/2007 0:16	xCO2_Air	373.486199	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/10/2007 0:16	xCO2_SW	408.4168222	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/10/2007 3:16	xCO2_Air	375.0432264	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/10/2007 3:16	xCO2_SW	410.6800588	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/10/2007 6:16	xCO2_Air	378.1837989	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



9/10/2007 6:16 xCO2\_SW 414.0938008 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 9:16 xCO2\_Air 379.0025356 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 9:16 xCO2\_SW 411.7581765 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 12:16 xCO2\_Air 379.4439976 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 12:16 xCO2\_SW 409.605602 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 15:16 xCO2\_Air 378.831385 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 15:16 xCO2\_SW 408.3020614 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 18:16 xCO2\_Air 378.5442332 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 18:16 xCO2\_SW 406.8130516 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 21:16 xCO2\_Air 377.3106709 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/10/2007 21:16 xCO2\_SW 401.999127 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 0:16 xCO2\_Air 373.1861541 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
 than 4 ppm below MBL  
 9/11/2007 0:16 xCO2\_SW 410.39027 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 3:16 xCO2\_Air 376.7373588 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 3:16 xCO2\_SW 414.9673666 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 6:16 xCO2\_Air 378.328418 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 6:16 xCO2\_SW 417.3237404 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 9:16 xCO2\_Air 378.7470185 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 9:16 xCO2\_SW 415.7014054 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 12:16 xCO2\_Air 379.0027828 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 12:16 xCO2\_SW 415.4981881 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 15:16 xCO2\_Air 377.3685782 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 15:16 xCO2\_SW 414.8513858 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 18:16 xCO2\_Air 377.9481136 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 18:16 xCO2\_SW 418.2331089 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 21:16 xCO2\_Air 375.1880303 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/11/2007 21:16 xCO2\_SW 417.5137242 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 0:16 xCO2\_Air 375.9387208 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 0:16 xCO2\_SW 418.6848804 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment

9/12/2007 3:16 xCO2\_Air 377.4803684 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 3:16 xCO2\_SW 427.1312713 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 6:16 xCO2\_Air 378.4506422 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 6:16 xCO2\_SW 424.7673169 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 9:16 xCO2\_Air 378.9556068 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 9:16 xCO2\_SW 448.2827926 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 12:16 xCO2\_Air 377.5313649 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 12:16 xCO2\_SW 413.8709965 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 15:16 xCO2\_Air 377.7975488 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 15:16 xCO2\_SW 405.8679655 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 18:16 xCO2\_Air 376.4664978 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 18:16 xCO2\_SW 396.4146351 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 21:16 xCO2\_Air 374.7341119 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/12/2007 21:16 xCO2\_SW 384.4163788 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 0:16 xCO2\_Air 369.7145485 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
 than 4 ppm below MBL  
 9/13/2007 0:16 xCO2\_SW 385.6569033 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 3:16 xCO2\_Air 370.3437918 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
 than 4 ppm below MBL  
 9/13/2007 3:16 xCO2\_SW 393.6477646 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 6:16 xCO2\_Air 376.3457431 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 6:16 xCO2\_SW 385.565145 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 9:16 xCO2\_Air 376.2065375 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 9:16 xCO2\_SW 393.12017 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 12:16 xCO2\_Air 376.2578205 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 12:16 xCO2\_SW 391.1143413 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 15:16 xCO2\_Air 376.2406877 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 15:16 xCO2\_SW 384.3765835 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 18:16 xCO2\_Air 377.2801256 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 18:16 xCO2\_SW 411.7235175 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/13/2007 21:16 xCO2\_Air 377.5633835 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment

9/13/2007 21:16	xCO2_SW	420.008761	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 0:16	xCO2_Air	378.6892248	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/14/2007 0:16	xCO2_SW	393.6392246	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 3:16	xCO2_Air	374.1040302	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/14/2007 3:16	xCO2_SW	380.0502672	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 6:16	xCO2_Air	369.3459814	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/14/2007 6:16	xCO2_SW	371.9336794	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 9:16	xCO2_Air	370.4979176	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/14/2007 9:16	xCO2_SW	371.3413886	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 12:16	xCO2_Air	375.6455572	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/14/2007 12:16	xCO2_SW	378.8702639	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 15:16	xCO2_Air	375.5706463	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/14/2007 15:16	xCO2_SW	385.6979215	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 18:16	xCO2_Air	374.9160277	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/14/2007 18:16	xCO2_SW	387.302432	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/14/2007 21:16	xCO2_Air	369.2697065	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/14/2007 21:16	xCO2_SW	382.5058017	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 0:16	xCO2_Air	367.257841	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/15/2007 0:16	xCO2_SW	379.0669737	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 3:16	xCO2_Air	369.0765205	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/15/2007 3:16	xCO2_SW	379.4510649	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 6:16	xCO2_Air	370.551836	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/15/2007 6:16	xCO2_SW	382.3101635	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 9:16	xCO2_Air	378.0224835	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/15/2007 9:16	xCO2_SW	391.0292409	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 12:16	xCO2_Air	377.2570976	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/15/2007 12:16	xCO2_SW	391.0425847	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 15:16	xCO2_Air	376.7618007	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/15/2007 15:16	xCO2_SW	389.4291087	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

9/15/2007 18:16	xCO2_Air	376.2382007	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/15/2007 18:16	xCO2_SW	387.6433664	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/15/2007 21:16	xCO2_Air	373.3082218	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/15/2007 21:16	xCO2_SW	383.2270141	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 0:16	xCO2_Air	368.7123099	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/16/2007 0:16	xCO2_SW	379.7839567	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 3:16	xCO2_Air	369.628793	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/16/2007 3:16	xCO2_SW	382.684407	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 6:16	xCO2_Air	372.5613258	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/16/2007 6:16	xCO2_SW	385.3046385	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 9:16	xCO2_Air	376.7230216	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/16/2007 9:16	xCO2_SW	389.2223224	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 12:16	xCO2_Air	376.1920063	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/16/2007 12:16	xCO2_SW	388.9333657	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 15:16	xCO2_Air	376.5381108	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/16/2007 15:16	xCO2_SW	387.4616408	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 18:16	xCO2_Air	376.3268308	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/16/2007 18:16	xCO2_SW	389.225623	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/16/2007 21:16	xCO2_Air	373.4726597	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/16/2007 21:16	xCO2_SW	385.0496222	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 0:16	xCO2_Air	370.0072941	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/17/2007 0:16	xCO2_SW	383.2940262	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 3:16	xCO2_Air	370.6695806	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/17/2007 3:16	xCO2_SW	386.5920751	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 6:16	xCO2_Air	377.2318429	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/17/2007 6:16	xCO2_SW	392.91225	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 9:16	xCO2_Air	377.0798942	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/17/2007 9:16	xCO2_SW	391.7160165	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 12:16	xCO2_Air	378.2333982	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



9/17/2007 12:16	xCO2_SW	390.337912	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 15:16	xCO2_Air	377.7741279	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/17/2007 15:16	xCO2_SW	390.700917	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 18:16	xCO2_Air	377.44506	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/17/2007 18:16	xCO2_SW	392.5516308	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/17/2007 21:16	xCO2_Air	377.9266971	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/17/2007 21:16	xCO2_SW	394.6707007	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 0:16	xCO2_Air	378.1373143	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 0:16	xCO2_SW	403.2175931	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 3:16	xCO2_Air	378.0494378	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 3:16	xCO2_SW	384.9568824	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 6:16	xCO2_Air	377.7106472	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 6:16	xCO2_SW	374.7314278	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 9:16	xCO2_Air	377.1468777	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 9:16	xCO2_SW	370.9450846	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 12:16	xCO2_Air	377.8986494	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 12:16	xCO2_SW	371.024876	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 15:16	xCO2_Air	377.4395727	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 15:16	xCO2_SW	370.2097011	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 18:16	xCO2_Air	377.3254596	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 18:16	xCO2_SW	370.3595226	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/18/2007 21:16	xCO2_Air	376.8412567	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/18/2007 21:16	xCO2_SW	364.1975178	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 0:16	xCO2_Air	377.0555389	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/19/2007 0:16	xCO2_SW	363.7614994	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 3:16	xCO2_Air	375.7314911	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/19/2007 3:16	xCO2_SW	364.191515	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 6:16	xCO2_Air	371.1851716	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/19/2007 6:16	xCO2_SW	360.7955416	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment



9/19/2007 9:16	xCO2_Air	373.3679337	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/19/2007 9:16	xCO2_SW	357.7949118	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 12:16	xCO2_Air	376.3159276	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/19/2007 12:16	xCO2_SW	363.6721008	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 15:16	xCO2_Air	377.2323887	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/19/2007 15:16	xCO2_SW	367.4554842	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 18:16	xCO2_Air	377.5528835	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/19/2007 18:16	xCO2_SW	367.2140244	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/19/2007 21:16	xCO2_Air	374.8242054	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/19/2007 21:16	xCO2_SW	362.2438752	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 0:16	xCO2_Air	371.4134117	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/20/2007 0:16	xCO2_SW	359.734988	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 3:16	xCO2_Air	369.7464236	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/20/2007 3:16	xCO2_SW	360.057712	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 6:16	xCO2_Air	369.9037096	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/20/2007 6:16	xCO2_SW	362.4741433	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 9:16	xCO2_Air	371.3670668	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/20/2007 9:16	xCO2_SW	360.4984212	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 12:16	xCO2_Air	375.3262959	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/20/2007 12:16	xCO2_SW	363.4775096	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 15:16	xCO2_Air	377.2236366	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/20/2007 15:16	xCO2_SW	364.4167762	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 18:16	xCO2_Air	375.4912675	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/20/2007 18:16	xCO2_SW	361.5594696	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/20/2007 21:16	xCO2_Air	367.1207393	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/20/2007 21:16	xCO2_SW	357.5752807	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 0:16	xCO2_Air	367.1808101	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/21/2007 0:16	xCO2_SW	362.9596134	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 3:16	xCO2_Air	367.5145991	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL

9/21/2007 3:16	xCO2_SW	367.3553224	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 6:16	xCO2_Air	369.6223255	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/21/2007 6:16	xCO2_SW	370.201576	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 9:16	xCO2_Air	377.5704503	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/21/2007 9:16	xCO2_SW	374.9573415	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 12:16	xCO2_Air	377.0378056	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/21/2007 12:16	xCO2_SW	371.8565754	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 15:16	xCO2_Air	376.7886168	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/21/2007 15:16	xCO2_SW	371.2266287	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 18:16	xCO2_Air	376.3625166	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/21/2007 18:16	xCO2_SW	369.7248305	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/21/2007 21:16	xCO2_Air	367.2100891	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/21/2007 21:16	xCO2_SW	364.62609	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 0:16	xCO2_Air	368.168302	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/22/2007 0:16	xCO2_SW	363.9135819	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 3:16	xCO2_Air	371.4501131	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/22/2007 3:16	xCO2_SW	369.326676	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 6:16	xCO2_Air	370.8869796	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/22/2007 6:16	xCO2_SW	368.2680511	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 9:16	xCO2_Air	377.6517805	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/22/2007 9:16	xCO2_SW	375.4783126	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 12:16	xCO2_Air	381.8263894	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/22/2007 12:16	xCO2_SW	374.5196505	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 15:16	xCO2_Air	380.529782	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/22/2007 15:16	xCO2_SW	376.5125025	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 18:16	xCO2_Air	378.861739	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/22/2007 18:16	xCO2_SW	376.5984477	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/22/2007 21:16	xCO2_Air	378.9779512	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/22/2007 21:16	xCO2_SW	375.0586394	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

9/23/2007 0:16 xCO2\_Air 375.5480898 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 0:16 xCO2\_SW 364.086253 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 3:16 xCO2\_Air 380.7560515 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 3:16 xCO2\_SW 368.2698084 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 6:16 xCO2\_Air 379.1385999 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 6:16 xCO2\_SW 366.9524853 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 9:16 xCO2\_Air 379.1114338 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 9:16 xCO2\_SW 367.0384838 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 12:16 xCO2\_Air 379.3087794 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 12:16 xCO2\_SW 367.4505248 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 15:16 xCO2\_Air 380.1556723 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 15:16 xCO2\_SW 367.7368867 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 18:16 xCO2\_Air 380.492023 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 18:16 xCO2\_SW 366.3340832 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 21:16 xCO2\_Air 381.5745802 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/23/2007 21:16 xCO2\_SW 365.2318143 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 0:16 xCO2\_Air 380.5340883 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 0:16 xCO2\_SW 364.0019855 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 3:16 xCO2\_Air 380.0695868 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 3:16 xCO2\_SW 361.4726473 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 6:16 xCO2\_Air 379.740939 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 6:16 xCO2\_SW 360.5925216 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 9:16 xCO2\_Air 380.0068527 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 9:16 xCO2\_SW 363.9100032 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 12:16 xCO2\_Air 380.2497924 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 12:16 xCO2\_SW 362.4125516 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 15:16 xCO2\_Air 379.2218624 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 15:16 xCO2\_SW 362.326196 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/24/2007 18:16 xCO2\_Air 378.0587863 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment

9/24/2007 18:16	xCO2_SW	363.2545259	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/24/2007 21:16	xCO2_Air	368.9873755	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/24/2007 21:16	xCO2_SW	357.7580282	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 0:16	xCO2_Air	368.3200936	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/25/2007 0:16	xCO2_SW	358.7926934	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 3:16	xCO2_Air	368.648531	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/25/2007 3:16	xCO2_SW	357.7111315	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 6:16	xCO2_Air	379.7458562	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/25/2007 6:16	xCO2_SW	367.9937093	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 9:16	xCO2_Air	374.3508188	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/25/2007 9:16	xCO2_SW	361.5035107	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 12:16	xCO2_Air	381.7387651	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/25/2007 12:16	xCO2_SW	369.5037346	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 15:16	xCO2_Air	381.6683728	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/25/2007 15:16	xCO2_SW	368.3499163	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 18:16	xCO2_Air	379.7788302	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/25/2007 18:16	xCO2_SW	367.6137002	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/25/2007 21:16	xCO2_Air	379.554448	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/25/2007 21:16	xCO2_SW	367.067827	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 0:16	xCO2_Air	379.1221447	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 0:16	xCO2_SW	363.9349269	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 3:16	xCO2_Air	379.157402	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 3:16	xCO2_SW	366.5435725	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 6:16	xCO2_Air	378.654126	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 6:16	xCO2_SW	364.062585	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 9:16	xCO2_Air	378.6879697	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 9:16	xCO2_SW	363.8243835	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 12:16	xCO2_Air	379.2973921	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 12:16	xCO2_SW	362.4381742	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment



9/26/2007 15:16	xCO2_Air	379.0729543	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 15:16	xCO2_SW	360.6132032	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 18:16	xCO2_Air	378.869862	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 18:16	xCO2_SW	360.8426496	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/26/2007 21:16	xCO2_Air	378.2634768	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/26/2007 21:16	xCO2_SW	352.8216697	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 0:16	xCO2_Air	373.9233755	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/27/2007 0:16	xCO2_SW	351.5756671	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 3:16	xCO2_Air	378.2567734	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/27/2007 3:16	xCO2_SW	353.9870556	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 6:16	xCO2_Air	378.5910945	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/27/2007 6:16	xCO2_SW	353.7804324	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 9:16	xCO2_Air	377.907111	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
9/27/2007 9:16	xCO2_SW	358.4651328	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 12:16	xCO2_Air	371.9247031	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/27/2007 12:16	xCO2_SW	353.4513307	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 15:16	xCO2_Air	368.9760668	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/27/2007 15:16	xCO2_SW	353.7365388	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 18:16	xCO2_Air	369.1791091	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/27/2007 18:16	xCO2_SW	354.4675933	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/27/2007 21:16	xCO2_Air	371.1979448	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/27/2007 21:16	xCO2_SW	356.8389	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/28/2007 0:16	xCO2_Air	367.1001376	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/28/2007 0:16	xCO2_SW	354.8807403	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/28/2007 3:16	xCO2_Air	365.9963415	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/28/2007 3:16	xCO2_SW	353.8219571	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/28/2007 6:16	xCO2_Air	368.3560215	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
9/28/2007 6:16	xCO2_SW	354.7726327	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
9/28/2007 9:16	xCO2_Air	376.5573102	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment



9/28/2007 9:16 xCO2\_SW 357.6509052 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 12:16 xCO2\_Air 381.2764128 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 12:16 xCO2\_SW 362.3172047 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 15:16 xCO2\_Air 380.9465067 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 15:16 xCO2\_SW 360.8571362 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 18:16 xCO2\_Air 380.6966756 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 18:16 xCO2\_SW 359.4368927 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 21:16 xCO2\_Air 382.3087024 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/28/2007 21:16 xCO2\_SW 358.8926081 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 0:16 xCO2\_Air 382.1478695 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 0:16 xCO2\_SW 357.1422099 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 3:16 xCO2\_Air 381.9468527 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 3:16 xCO2\_SW 350.7983946 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 6:16 xCO2\_Air 382.668891 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 6:16 xCO2\_SW 355.6211558 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 9:16 xCO2\_Air 382.5360003 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 9:16 xCO2\_SW 354.6688033 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 12:16 xCO2\_Air 383.1406549 3 CO2 data submitted was adjusted by - 5 ppm b/c  
 span calibration was off as predicted by change in Licor temperature  
 9/29/2007 12:16 xCO2\_SW 349.6120129 3 CO2 data submitted was adjusted by - 5 ppm b/c  
 span calibration was off as predicted by change in Licor temperature  
 9/29/2007 15:16 xCO2\_Air 383.2462479 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 15:16 xCO2\_SW 347.9788061 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 18:16 xCO2\_Air 383.3536031 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 18:16 xCO2\_SW 346.7493372 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 21:16 xCO2\_Air 383.2313025 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/29/2007 21:16 xCO2\_SW 346.2243841 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 0:16 xCO2\_Air 377.1358266 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 0:16 xCO2\_SW 340.5865995 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 3:16 xCO2\_Air 377.2296988 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 3:16 xCO2\_SW 341.2657531 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment

9/30/2007 6:16 xCO2\_Air 381.2700491 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 6:16 xCO2\_SW 344.2745712 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 9:16 xCO2\_Air 381.7081969 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 9:16 xCO2\_SW 349.3630293 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 12:16 xCO2\_Air 381.0865831 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 12:16 xCO2\_SW 349.8568355 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 15:16 xCO2\_Air 380.42412 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 15:16 xCO2\_SW 350.8030897 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 18:16 xCO2\_Air 381.3185917 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 18:16 xCO2\_SW 352.5454996 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 21:16 xCO2\_Air 380.3617176 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 9/30/2007 21:16 xCO2\_SW 352.7527871 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 0:16 xCO2\_Air 371.4840239 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
 than 4 ppm below MBL  
 10/1/2007 0:16 xCO2\_SW 343.4366112 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 3:16 xCO2\_Air 372.9513521 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
 than 4 ppm below MBL  
 10/1/2007 3:16 xCO2\_SW 345.0319624 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 6:16 xCO2\_Air 371.0672562 4 bad CO2 air measurement; MAPCO2 CO2 air is more  
 than 4 ppm below MBL  
 10/1/2007 6:16 xCO2\_SW 343.5360643 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 9:16 xCO2\_Air 379.1891686 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 9:16 xCO2\_SW 348.9075746 3 low CO2 air measurements and other clues in diagnostics  
 make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 12:16 xCO2\_Air 378.8608265 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 12:16 xCO2\_SW 348.5180738 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 15:16 xCO2\_Air 377.8136877 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 15:16 xCO2\_SW 346.7821257 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 18:16 xCO2\_Air 378.1489556 3 low CO2 air measurements and other clues in  
 diagnostics make measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 18:16 xCO2\_SW 349.1710841 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/1/2007 21:16 xCO2\_Air 373.8939255 4 bad CO2 air measurement; MAPCO2 CO2 air is  
 more than 4 ppm below MBL  
 10/1/2007 21:16 xCO2\_SW 345.691487 3 low CO2 air measurements and other clues in  
 diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment  
 10/2/2007 0:16 xCO2\_Air 378.573196 3 low CO2 air measurements and other clues in diagnostics  
 make measurements questionable from 6/17/07 to end of deployment

10/2/2007 0:16	xCO2_SW	351.4953049	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 3:16	xCO2_Air	374.6982799	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
10/2/2007 3:16	xCO2_SW	342.2920265	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 6:16	xCO2_Air	379.5831459	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/2/2007 6:16	xCO2_SW	352.1402526	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 9:16	xCO2_Air	376.2955984	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/2/2007 9:16	xCO2_SW	344.6093129	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 12:16	xCO2_Air	376.9015199	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/2/2007 12:16	xCO2_SW	344.6359247	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 15:16	xCO2_Air	377.0445827	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/2/2007 15:16	xCO2_SW	343.3306101	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 18:16	xCO2_Air	377.6619072	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/2/2007 18:16	xCO2_SW	340.8830127	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/2/2007 21:16	xCO2_Air	375.1150027	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
10/2/2007 21:16	xCO2_SW	340.8721727	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 0:16	xCO2_Air	371.6117072	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
10/3/2007 0:16	xCO2_SW	341.4794844	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 3:16	xCO2_Air	373.0270877	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
10/3/2007 3:16	xCO2_SW	340.6547741	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 6:16	xCO2_Air	374.419669	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
10/3/2007 6:16	xCO2_SW	340.2026381	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 9:16	xCO2_Air	379.3237929	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/3/2007 9:16	xCO2_SW	348.5216207	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 12:16	xCO2_Air	379.2908903	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/3/2007 12:16	xCO2_SW	348.3817991	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 15:16	xCO2_Air	378.7496042	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/3/2007 15:16	xCO2_SW	346.1417969	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment
10/3/2007 18:16	xCO2_Air	378.2380365	3	low CO2 air measurements and other clues in diagnostics make measurements questionable from 6/17/07 to end of deployment
10/3/2007 18:16	xCO2_SW	341.3610135	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment

10/3/2007 21:16	xCO2_Air	375.4477663	4	bad CO2 air measurement; MAPCO2 CO2 air is more than 4 ppm below MBL
10/3/2007 21:16	xCO2_SW	340.1167195	3	low CO2 air measurements and other clues in diagnostics make CO2 sw measurements questionable from 6/17/07 to end of deployment