Underway measurements metadata form

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Dataset Info:
- Dataset ID: KA0704
- Submission Dates:
  - Initial Submission: 2008/07/25
  - Revised Submission:

Cruise Info:
- Experiment:
  - Experiment Name: Underway measurement of atmospheric and surface water pCO2
  - Cruise:
    - Cruise ID: KA0704
    - Section:
    - Geographical Coverage:
      - Geographical Region: Equatorial Pacific
      - Bounds:
        - Westernmost Longitude: 164.8472 Degrees, Minutes, Seconds: E
        - Easternmost Longitude: -177.768 Degrees, Minutes, Seconds: E
        - Northernmost Latitude: 8.0461 Degrees, Minutes, Seconds: N
        - Southernmost Latitude: -8.2456 Degrees, Minutes, Seconds: N
    - Temporal Coverage:
      - Start Date: 2007/08/14
      - End Date: 2007/08/30
    - Ports of Call:
      - Kwajalein, Marshall Islands Honolulu Hawaii, USA
- Vessel:
  - Vessel Name: NOAA Ship Ka'imimoana
  - Vessel ID: WTEU
  - Country: USA
  - Vessel Owner: NOAA

Variables Info:
- Variable:
  - Variable Name: xCO2W_ppm
  - Description of Variable: Mole fraction of dry CO2 in equilibrator headspace in parts per million
- Method Description:
  - Equilibrator Design:
    - Equilibrator type: Showerhead
    - Equilibrator volume: 0.5 liters
    - Water_Flow_Rate: 3.5 liters/minute
    - Headspace_Gas_Flow_Rate: 60 ml/minute
    - Vented: Yes
  - Measurement Method: Infrared absorption of dried gas
  - Manufacturer of Calibration Gas: NOAA/CMDL
  - C0 Sensors:
Manufacturer: Licor
Model: 6262, Serial number IRG3-1295
Environmental Control:
  Gas Standard Concentrations: 363.96 421.13 466.38 496.11
  Resolution: 0.3 uatm
  Uncertainty: 0.2 uatm
Calibration:
  System is calibrated every 2.5 hours with the gas standards referenced. Temperature is measured with a Hart thermometer (Fluke Scientific), calibrated yearly.
- Other sensors:
  Manufacturer: Seabird TSG
  Model: 21, Serial number 1885, Remote Temp Probe serial number 2356
  Resolution: .001 °C
  Calibration:
    Yearly
- Method References:
- Additional Information:
  Shoreside support and data reduction performed by Cathy Cosca, cathy.cosca@noaa.gov System maintained by chief survey technician Tonya Watson
- Data Set References:
  http://www.pmel.noaa.gov/co2/uwpco2/
- Citation:
  http://www.pmel.noaa.gov/co2/uwpco2/
- Data Set Link:
  URL: http://www.pmel.noaa.gov/co2/uwpco2/
  Label: KA0704.csv
  Link Note: