Underway measurements metadata form

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**Dataset Info:**
- Dataset ID: KA0702
- Submission Dates:
  - Initial Submission: 2008/07/24
  - Revised Submission:

**Cruise Info:**
- Experiment:
  - Experiment Name: Underway measurement of atmospheric and surface water pCO2
  - Cruise:
    - Cruise ID: KA0702
    - Section:
    - Geographical Coverage:
      - Geographical Region: Equatorial Pacific
    - Bounds:
      - Westernmost Longitude: -155.7649 Degrees, Minutes, Seconds: E
      - Easternmost Longitude: -113.0774 Degrees, Minutes, Seconds: E
      - Northernmost Latitude: 18.9326 Degrees, Minutes, Seconds: N
      - Southernmost Latitude: -8.9994 Degrees, Minutes, Seconds: N
  - Temporal Coverage:
    - Start Date: 2007/05/08
    - End Date: 2007/06/07
  - Ports of Call:
    - Manzanillo, Mexico Nuku Hiva, Marquesas 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:
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- 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: KA0702_final.csv
    - Link Note: