

CALIBRATION OF CO2-011

Relative vs. NOAA-1 /NOAA-2 on 13.1.2014 21:46

SUMMARY

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CO2_ppm =      456.774 (+- 0.234, n= 17)
d13C     =      -37.079 (+- 0.182, n= 17)
d18O     =      -15.338 (+- 0.078, n= 17)
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DETAILS OF CALIBRATION

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Raw Measured 12CO2 CO2-011 =      470.3320 (+- 0.23958) ppm
Raw Measured 13CO2 CO2-011 =       5.1053 (+- 0.00225) ppm
Raw Measured 18O   CO2-011 =       1.9377 (+- 0.00100) ppm
Raw Measured T_CO2 CO2-011 =     477.7609 (+- 0.24286) ppm
Raw Measured 12CO2 NOAA-1  =     410.4623 (+- 0.11084) ppm
Raw Measured 13CO2 NOAA-1  =       4.5859 (+- 0.00041) ppm
Raw Measured 18O   NOAA-1  =       1.7100 (+- 0.00046) ppm
Raw Measured T_CO2 NOAA-1  =     417.0951 (+- 0.11173) ppm
Raw Measured 12CO2 NOAA-2  =     481.2597 (+- 0.14532) ppm
Raw Measured 13CO2 NOAA-2  =       5.3564 (+- 0.00034) ppm
Raw Measured 18O   NOAA-2  =       1.9980 (+- 0.00054) ppm
Raw Measured T_CO2 NOAA-2  =     489.0092 (+- 0.14628) ppm
Ext Standard T_CO2 NOAA-1  =     398.231 (+- 398.231) ppm
Ext Standard d13C  NOAA-1  =      -8.899 (+- 0.003) per mil
Ext Standard d18O  NOAA-1  =      -4.227 (+- 0.003) per mil
Ext Standard T_CO2 NOAA-2  =     467.628 (+- 467.628) ppm
Ext Standard d13C  NOAA-2  =     -12.312 (+- 0.006) per mil
Ext Standard d18O  NOAA-2  =      -7.636 (+- 0.006) per mil
RMSE for 12CO2  linear fit =     0.120993 ppm
RMSE for 13CO2  linear fit =     0.000350 ppm
RMSE for 18O    linear fit =     0.000471 ppm
Slope for 12CO2 linear fit =       0.9650 ppm / ppm
Slope for 13CO2 linear fit =       0.9598 ppm / ppm
Slope for 18O   linear fit =       0.9636 ppm / ppm
Offs. for 12CO2 linear fit =    -4.179728 ppm
Offs. for 13CO2 linear fit =    -0.058592 ppm
Offs. for 18O   linear fit =    -0.017690 ppm
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Output created on Mon Jan 13 15:53:06 2014



