

CALIBRATION OF CO2-011

Relative vs. NOAA-1 /NOAA-2 on 1.5.2014 19:48

SUMMARY

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CO2_ppm =      456.898 (+- 0.157, n= 26)
d13C     =      -37.118 (+- 0.048, n= 26)
d18O     =      -15.467 (+- 0.090, n= 26)
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DETAILS OF CALIBRATION

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Raw Measured 12CO2 CO2-011 =      470.8896 (+- 0.16238) ppm
Raw Measured 13CO2 CO2-011 =       5.1047 (+- 0.00168) ppm
Raw Measured 18O   CO2-011 =       1.9326 (+- 0.00062) ppm
Raw Measured T_CO2 CO2-011 =      478.3133 (+- 0.16478) ppm
Raw Measured 12CO2 NOAA-1  =      410.8736 (+- 0.06293) ppm
Raw Measured 13CO2 NOAA-1  =       4.5839 (+- 0.00044) ppm
Raw Measured 18O   NOAA-1  =       1.7046 (+- 0.00012) ppm
Raw Measured T_CO2 NOAA-1  =      417.4994 (+- 0.06345) ppm
Raw Measured 12CO2 NOAA-2  =      481.6943 (+- 0.05690) ppm
Raw Measured 13CO2 NOAA-2  =       5.3547 (+- 0.00050) ppm
Raw Measured 18O   NOAA-2  =       1.9927 (+- 0.00015) ppm
Raw Measured T_CO2 NOAA-2  =      489.4370 (+- 0.05750) 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
No of values filtered      =          0
RMSE for 12CO2 linear fit =      0.056750 ppm
RMSE for 13CO2 linear fit =      0.000446 ppm
RMSE for 18O   linear fit =      0.000129 ppm
Slope for 12CO2 linear fit =       0.9647 ppm / ppm
Slope for 13CO2 linear fit =       0.9594 ppm / ppm
Slope for 18O   linear fit =       0.9637 ppm / ppm
Offs. for 12CO2 linear fit =     -4.450241 ppm
Offs. for 13CO2 linear fit =     -0.055275 ppm
Offs. for 18O   linear fit =     -0.012642 ppm
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