

CALIBRATION OF CO2-007

Relative vs. NOAA-1 /NOAA-2 on 10.6.2013 18:30

SUMMARY

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CO2_ppm =      398.970 (+-  0.035, n= 52)
d13C     =      -33.525 (+-  0.077, n= 52)
d18O     =       -8.604 (+-  1.083, n= 52)
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DETAILS OF CALIBRATION

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Raw Measured 12CO2 CO2-007 =      399.5071 (+- 0.03594) ppm
Raw Measured 13CO2 CO2-007 =       4.3564 (+- 0.00042) ppm
Raw Measured 180   CO2-007 =       1.7105 (+- 0.00174) ppm
Raw Measured T_CO2 CO2-007 =     405.9020 (+- 0.03504) ppm
Raw Measured 12CO2 NOAA-1  =     398.6579 (+- 0.04251) ppm
Raw Measured 13CO2 NOAA-1  =       4.4570 (+- 0.00056) ppm
Raw Measured 180   NOAA-1  =       1.7143 (+- 0.00174) ppm
Raw Measured T_CO2 NOAA-1  =     405.1566 (+- 0.04150) ppm
Raw Measured 12CO2 NOAA-2  =     467.6328 (+- 0.03719) ppm
Raw Measured 13CO2 NOAA-2  =       5.2099 (+- 0.00057) ppm
Raw Measured 180   NOAA-2  =       2.0027 (+- 0.00171) ppm
Raw Measured T_CO2 NOAA-2  =     475.2293 (+- 0.03623) 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 d180 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 d180 NOAA-2  =      -7.636 (+-  0.006) per mil
RMSE for 12CO2 linear fit =     0.039177 ppm
RMSE for 13CO2 linear fit =     0.000548 ppm
RMSE for 180   linear fit =     0.001645 ppm
Slope for 12CO2 linear fit =       0.9906 ppm / ppm
Slope for 13CO2 linear fit =       0.9822 ppm / ppm
Slope for 180   linear fit =       0.9627 ppm / ppm
Offs. for 12CO2 linear fit =    -2.957841 ppm
Offs. for 13CO2 linear fit =    -0.035174 ppm
Offs. for 180   linear fit =    -0.020272 ppm
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Output created on Tue Jun 18 14:33:32 2013



