

## CALIBRATION OF CO2-010

Relative vs. NOAA-1 /NOAA-2 on 19.12.2014 19:19

## SUMMARY

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CO2_ppm =      400.316 (+-  0.099, n= 37)
d13C     =      -33.428 (+-  0.067, n= 37)
d18O     =       -8.581 (+-  0.159, n= 37)
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## DETAILS OF CALIBRATION

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Raw Measured 12CO2 CO2-010 =      413.3933 (+- 0.10505) ppm
Raw Measured 13CO2 CO2-010 =       4.4712 (+- 0.00112) ppm
Raw Measured 180   CO2-010 =       1.6793 (+- 0.00036) ppm
Raw Measured T_CO2 CO2-010 =     419.8829 (+- 0.10652) ppm
Raw Measured 12CO2 NOAA-1  =     411.1385 (+- 0.03979) ppm
Raw Measured 13CO2 NOAA-1  =       4.5589 (+- 0.00031) ppm
Raw Measured 180   NOAA-1  =       1.6774 (+- 0.00025) ppm
Raw Measured T_CO2 NOAA-1  =     417.7122 (+- 0.04002) ppm
Raw Measured 12CO2 NOAA-2  =     482.2767 (+- 0.02053) ppm
Raw Measured 13CO2 NOAA-2  =       5.3302 (+- 0.00038) ppm
Raw Measured 180   NOAA-2  =       1.9597 (+- 0.00030) ppm
Raw Measured T_CO2 NOAA-2  =     489.9624 (+- 0.02069) 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 =     0.029995 ppm
RMSE for 13CO2 linear fit =     0.000331 ppm
RMSE for 180   linear fit =     0.000267 ppm
Slope for 12CO2 linear fit =     0.9604 ppm / ppm
Slope for 13CO2 linear fit =     0.9587 ppm / ppm
Slope for 180   linear fit =     0.9832 ppm / ppm
Offs. for 12CO2 linear fit =    -2.936586 ppm
Offs. for 13CO2 linear fit =    -0.027971 ppm
Offs. for 180   linear fit =    -0.019072 ppm
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