

## CALIBRATION OF CO2-012

Relative vs. NOAA-1 /NOAA-2 on 2.5.2014 16:48

## SUMMARY

```
-----
CO2_ppm =      380.027 (+-  0.140, n= 21)
d13C     =      -40.691 (+-  0.089, n= 21)
d18O     =      -23.634 (+-  0.133, n= 21)
-----
```

## DETAILS OF CALIBRATION

```
-----
Raw Measured 12CO2 CO2-012 =      392.5941 (+- 0.14225) ppm
Raw Measured 13CO2 CO2-012 =       4.2271 (+- 0.00147) ppm
Raw Measured 180   CO2-012 =       1.6054 (+- 0.00067) ppm
Raw Measured T_CO2 CO2-012 =     398.7487 (+- 0.14446) ppm
Raw Measured 12CO2 NOAA-1  =     410.9784 (+- 0.02174) ppm
Raw Measured 13CO2 NOAA-1  =       4.5704 (+- 0.00013) ppm
Raw Measured 180   NOAA-1  =       1.7134 (+- 0.00023) ppm
Raw Measured T_CO2 NOAA-1  =     417.5994 (+- 0.02195) ppm
Raw Measured 12CO2 NOAA-2  =     481.7221 (+- 0.02024) ppm
Raw Measured 13CO2 NOAA-2  =       5.3403 (+- 0.00013) ppm
Raw Measured 180   NOAA-2  =       2.0011 (+- 0.00028) ppm
Raw Measured T_CO2 NOAA-2  =     489.4589 (+- 0.02038) 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      =          2
RMSE for 12CO2 linear fit =     0.019794 ppm
RMSE for 13CO2 linear fit =     0.000123 ppm
RMSE for 180   linear fit =     0.000242 ppm
Slope for 12CO2 linear fit =       0.9658 ppm / ppm
Slope for 13CO2 linear fit =       0.9604 ppm / ppm
Slope for 180   linear fit =       0.9649 ppm / ppm
Offs. for 12CO2 linear fit =    -4.983649 ppm
Offs. for 13CO2 linear fit =    -0.046724 ppm
Offs. for 180   linear fit =    -0.023066 ppm
-----
```

Output created on Wed May 14 17:14:01 2014



