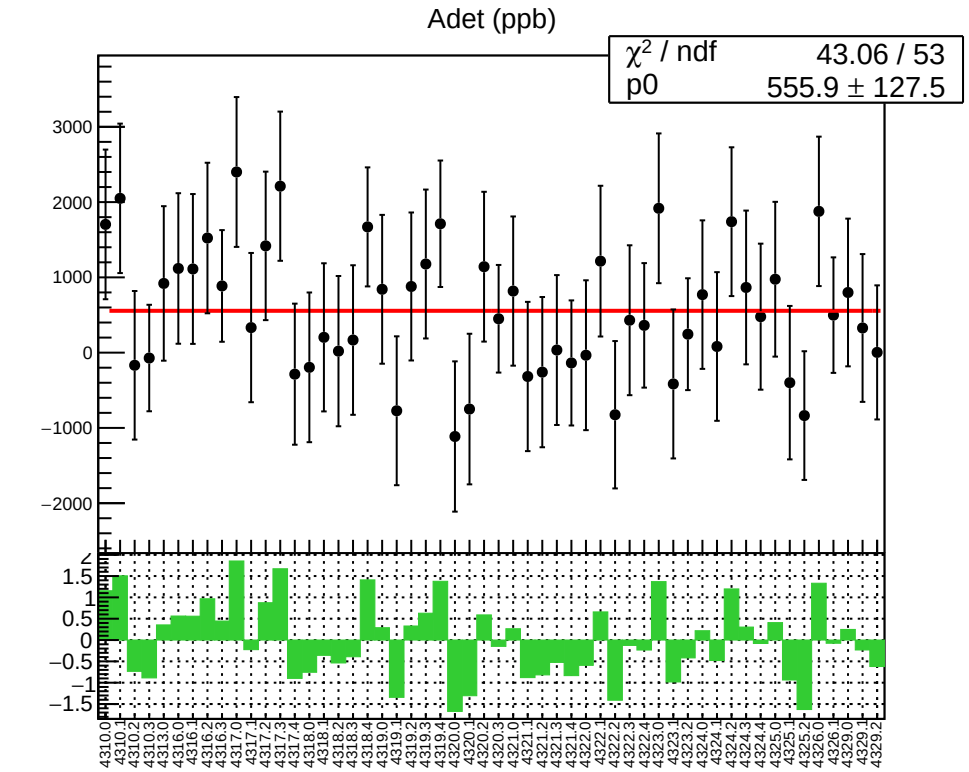
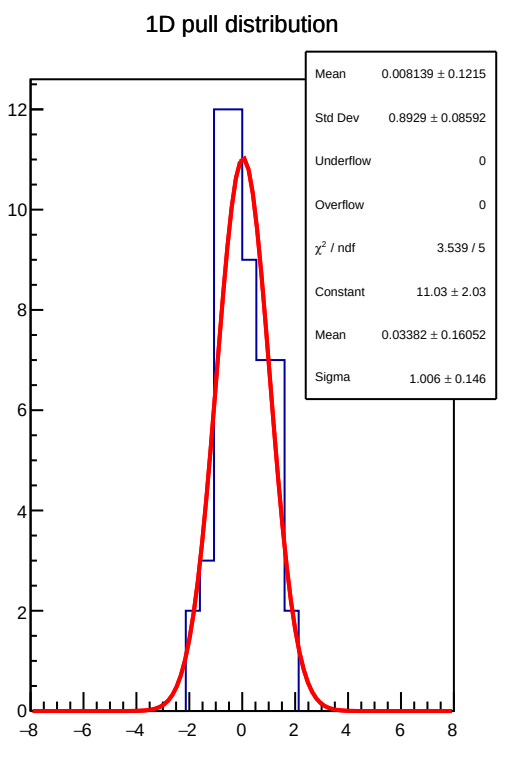
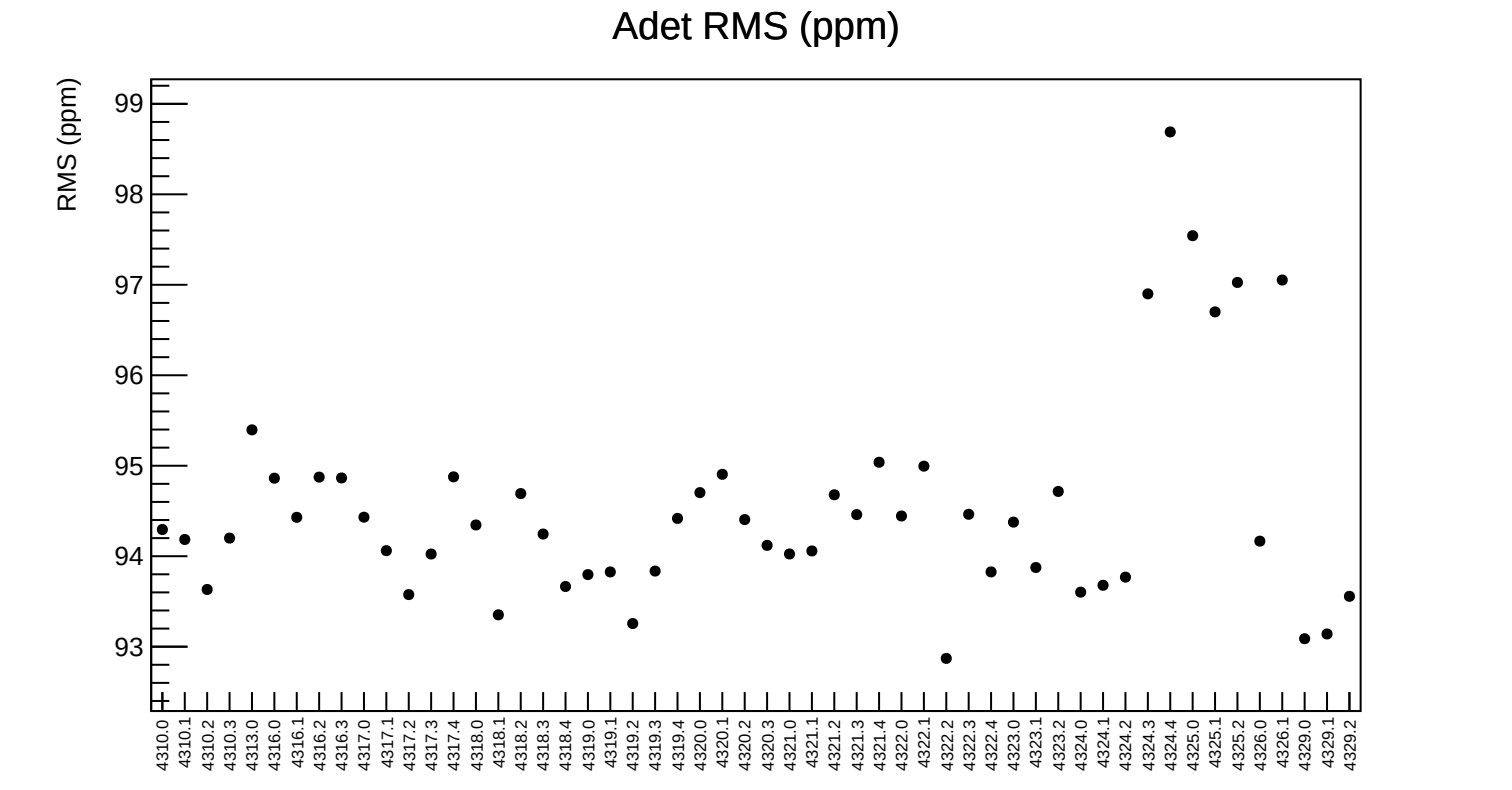
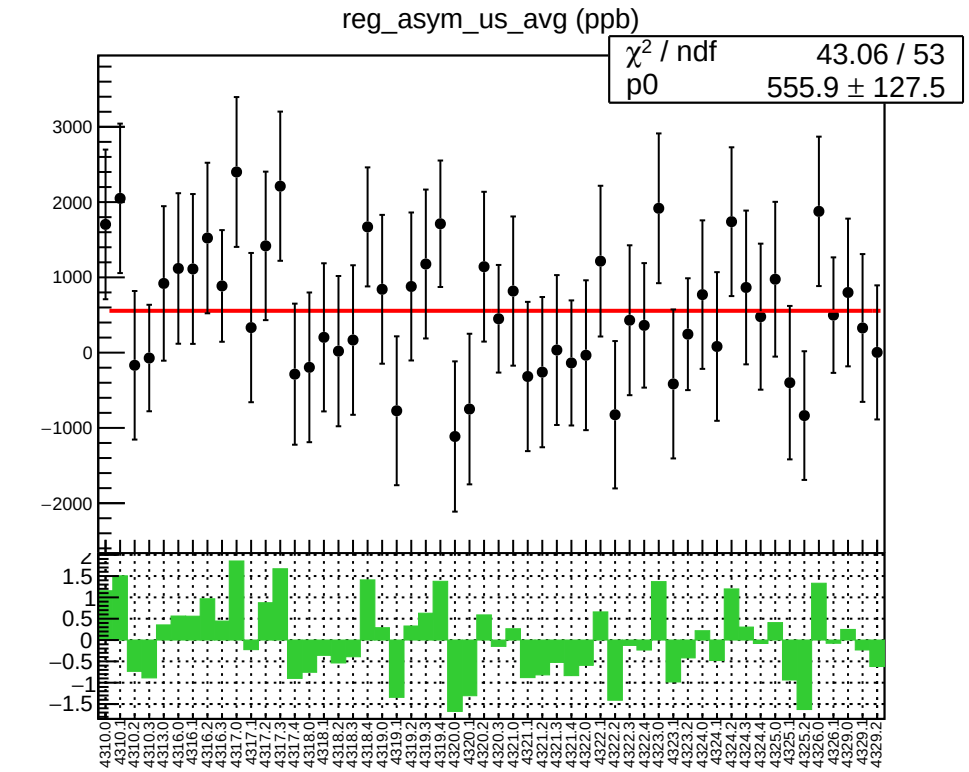
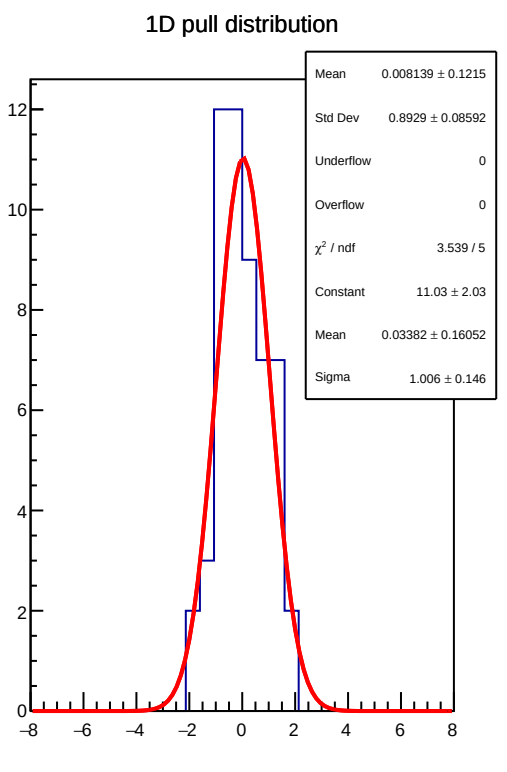
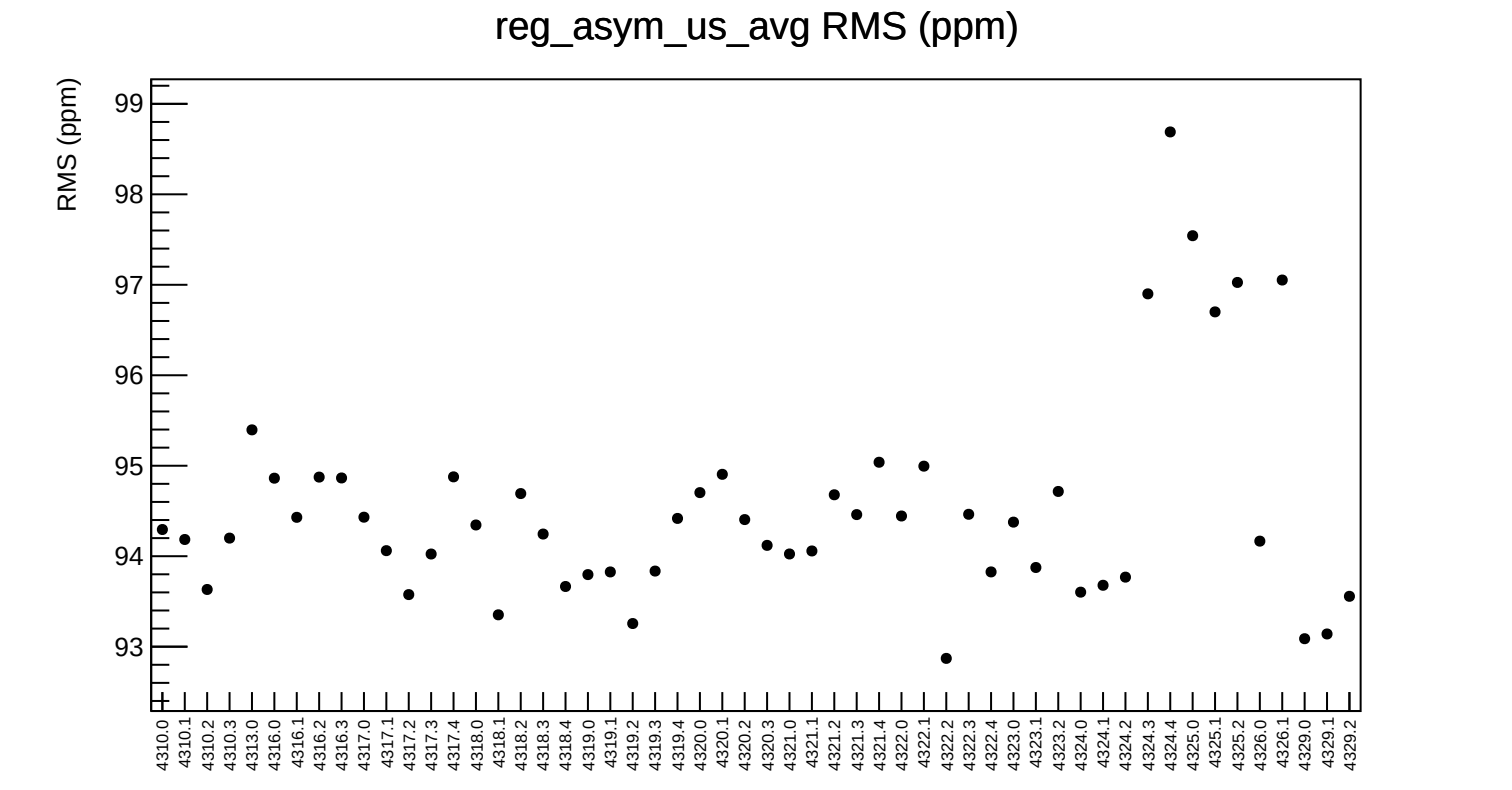

Adet (ppb)
χ² / ndf 43.06 / 53
p0 555.9 ± 127.5
3000
2000
1000
0
−1000
−2000
1.5
1
0.5
0
−0.5
−1
−1.5
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2

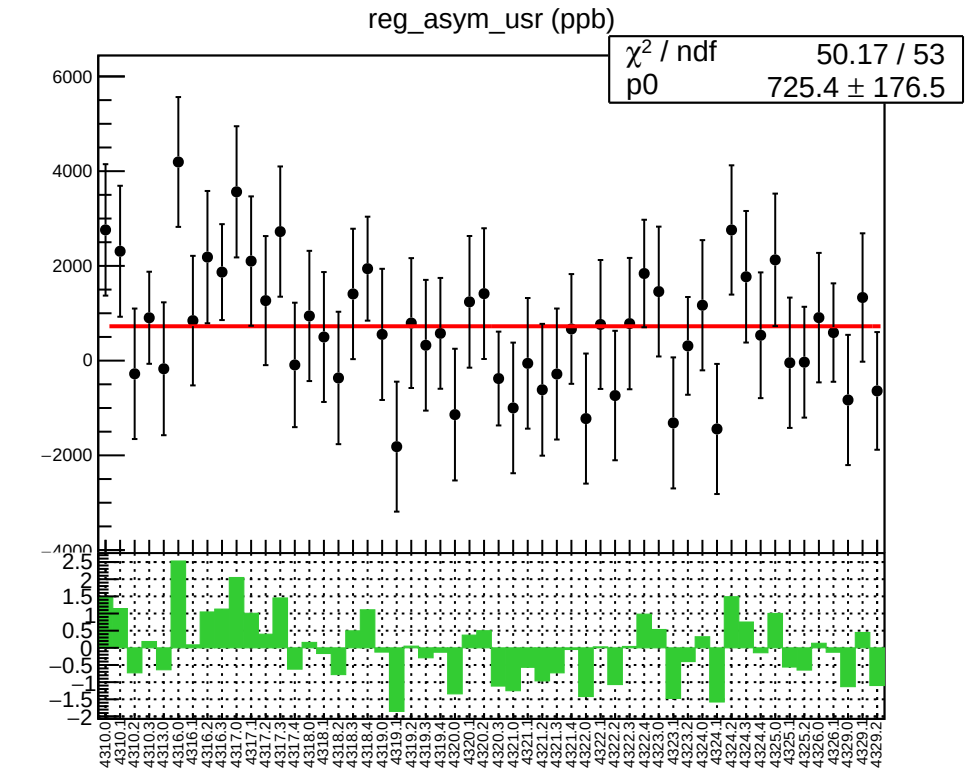

1D pull distribution
Mean 0.008139 ± 0.1215
Std Dev 0.8929 ± 0.08592
Underflow 0
Overflow 0
χ² / ndf 3.539 / 5
Constant 11.03 ± 2.03
Mean 0.03382 ± 0.16052
Sigma 1.006 ± 0.146
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

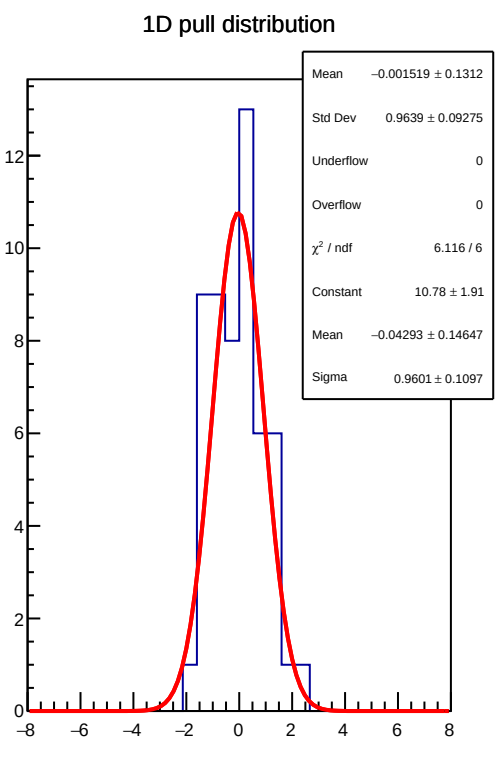

Adet RMS (ppm)
RMS (ppm)
99
98
97
96
95
94
93
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2

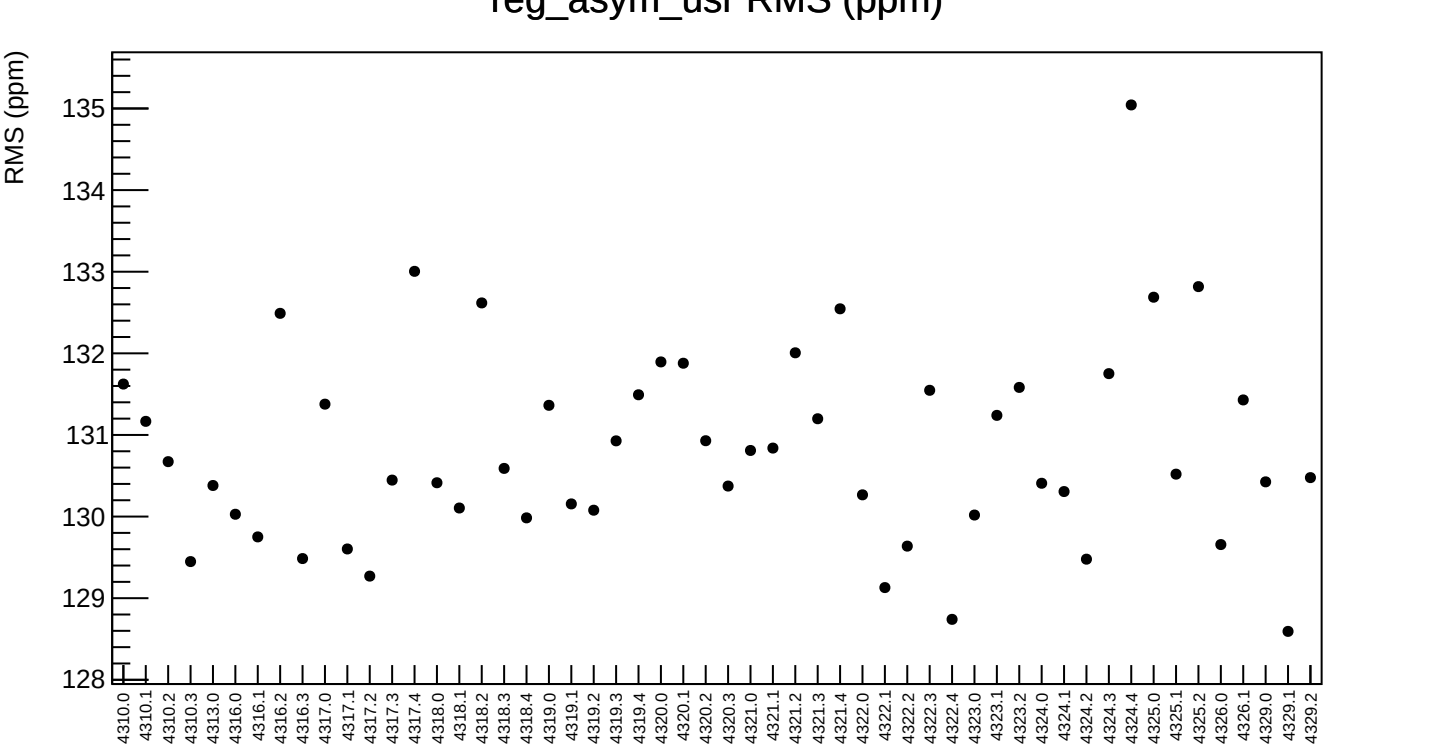

reg_asym_us_avg (ppb)
χ² / ndf 43.06 / 53
p0 555.9 ± 127.5
3000
2000
1000
0
−1000
−2000
1.5
1
0.5
0
−0.5
−1
−1.5
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2

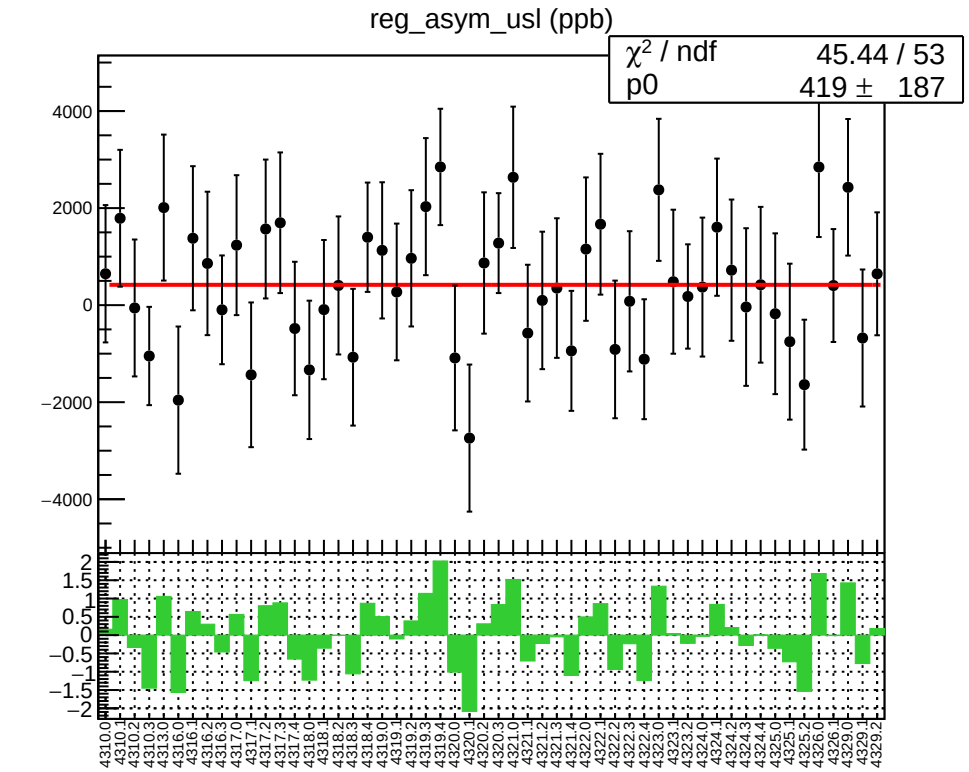

1D pull distribution
Mean 0.008139 ± 0.1215
Std Dev 0.8929 ± 0.08592
Underflow 0
Overflow 0
χ² / ndf 3.539 / 5
Constant 11.03 ± 2.03
Mean 0.03382 ± 0.16052
Sigma 1.006 ± 0.146
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

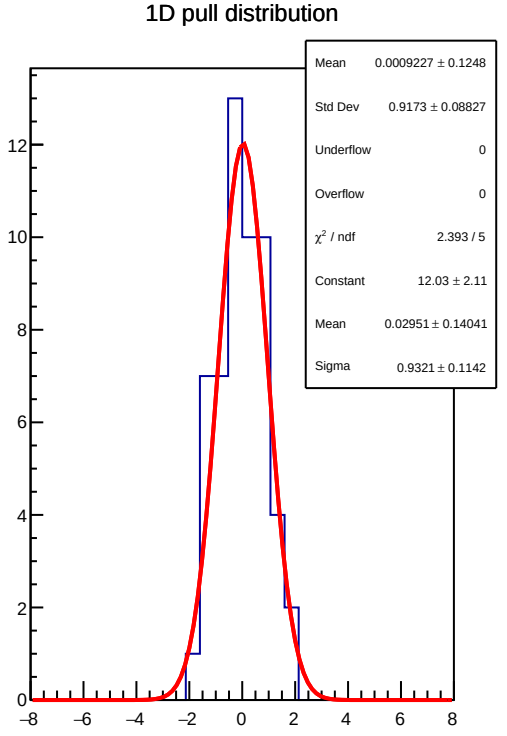

reg_asym_us_avg RMS (ppm)
RMS (ppm)
99
98
97
96
95
94
93
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2

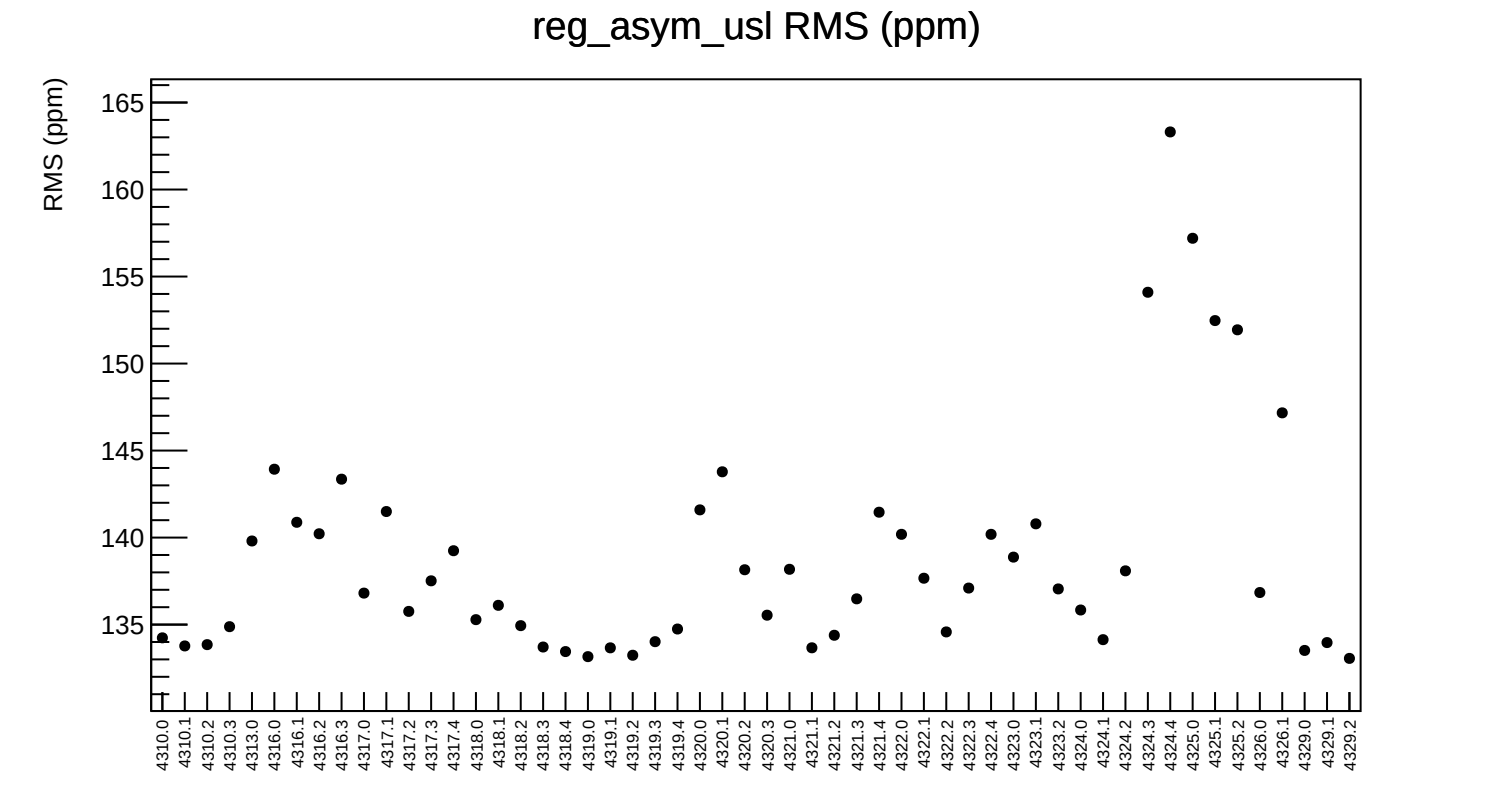

reg_asym_usr (ppb)
χ² / ndf 50.17 / 53
p0 725.4 ± 176.5
6000
4000
2000
0
−2000
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2

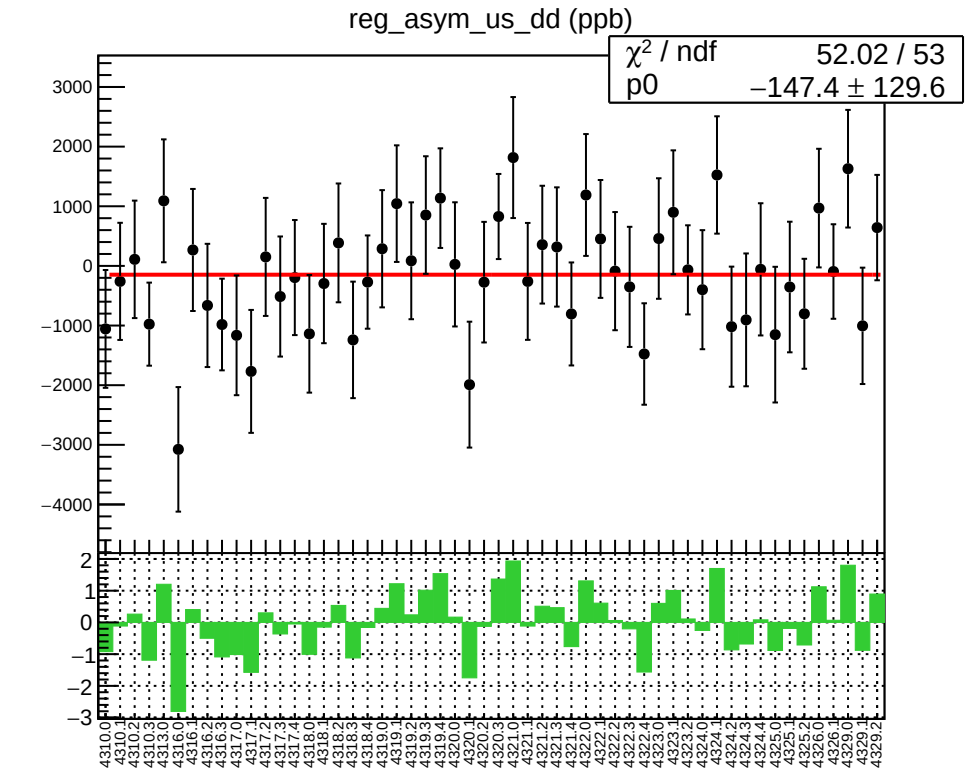

1D pull distribution
Mean −0.001519 ± 0.1312
Std Dev 0.9639 ± 0.09275
Underflow 0
Overflow 0
χ² / ndf 6.116 / 6
Constant 10.78 ± 1.91
Mean −0.04293 ± 0.14647
Sigma 0.9601 ± 0.1097
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

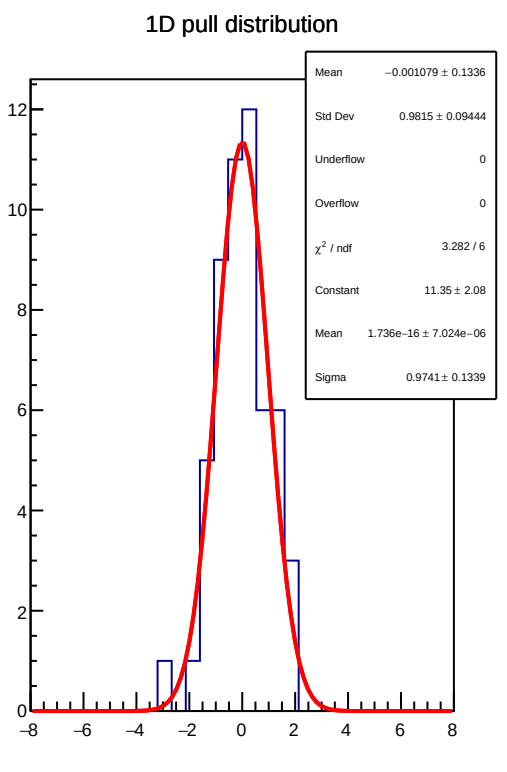

reg_asym_usr RMS (ppm)
RMS (ppm)
135
134
133
132
131
130
129
128
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2

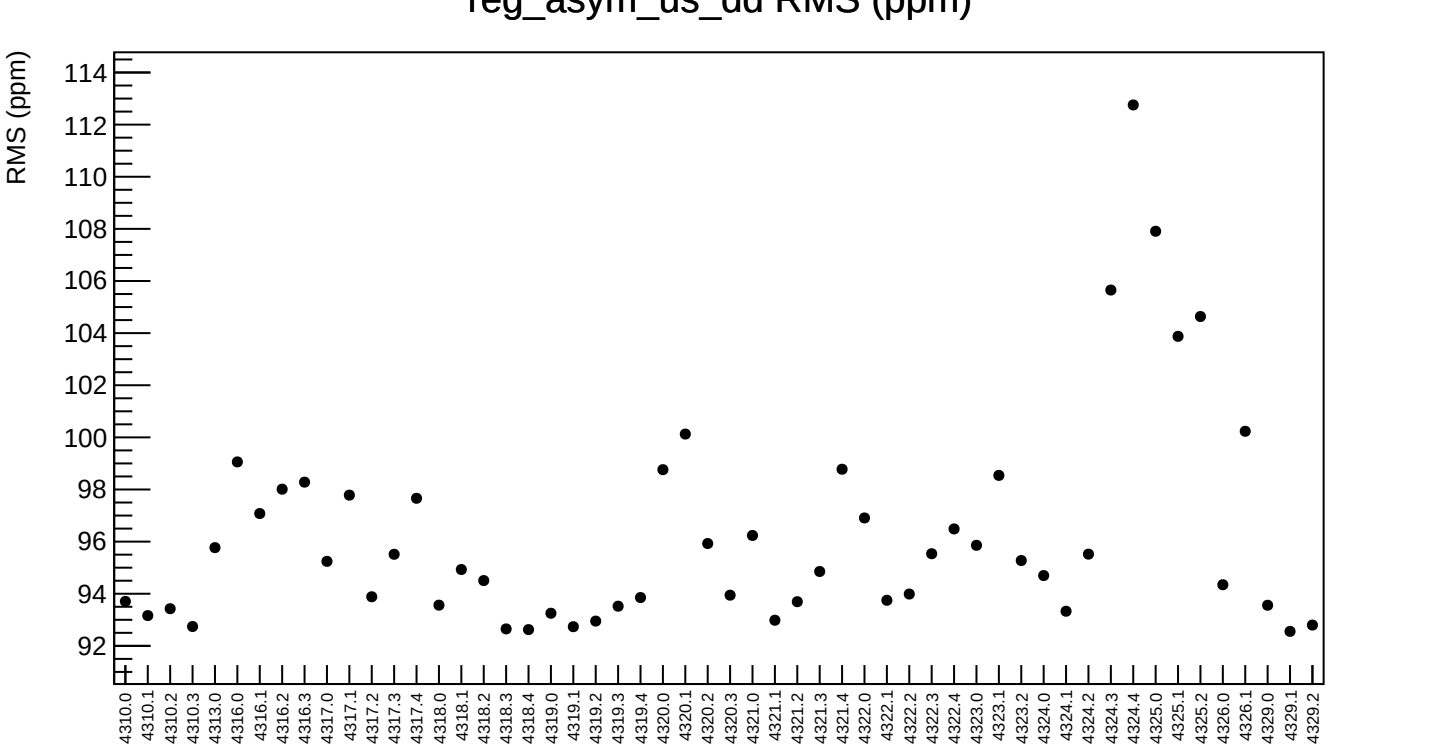

reg_asym_usl (ppb)
χ² / ndf 45.44 / 53
p0 419 ± 187
4000
2000
0
−2000
−4000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2


1D pull distribution
Mean 0.0009227 ± 0.1248
Std Dev 0.9173 ± 0.08827
Underflow 0
Overflow 0
χ² / ndf 2.393 / 5
Constant 12.03 ± 2.11
Mean 0.02951 ± 0.14041
Sigma 0.9321 ± 0.1142
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl RMS (ppm)
RMS (ppm)
165
160
155
150
145
140
135
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2


reg_asym_us_dd (ppb)
χ² / ndf 52.02 / 53
p0 −147.4 ± 129.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
2
1
0
−1
−2
−3
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2


1D pull distribution
Mean −0.001079 ± 0.1336
Std Dev 0.9815 ± 0.09444
Underflow 0
Overflow 0
χ² / ndf 3.282 / 6
Constant 11.35 ± 2.08
Mean 1.736e−16 ± 7.024e−06
Sigma 0.9741 ± 0.1339
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd RMS (ppm)
RMS (ppm)
114
112
110
108
106
104
102
100
98
96
94
92
4310.0
4310.1
4310.2
4310.3
4313.0
4316.0
4316.1
4316.2
4316.3
4317.0
4317.1
4317.2
4317.3
4317.4
4318.0
4318.1
4318.2
4318.3
4318.4
4319.0
4319.1
4319.2
4319.3
4319.4
4320.0
4320.1
4320.2
4320.3
4321.0
4321.1
4321.2
4321.3
4321.4
4322.0
4322.1
4322.2
4322.3
4322.4
4323.0
4323.1
4323.2
4324.0
4324.1
4324.2
4324.3
4324.4
4325.0
4325.1
4325.2
4326.0
4326.1
4329.0
4329.1
4329.2