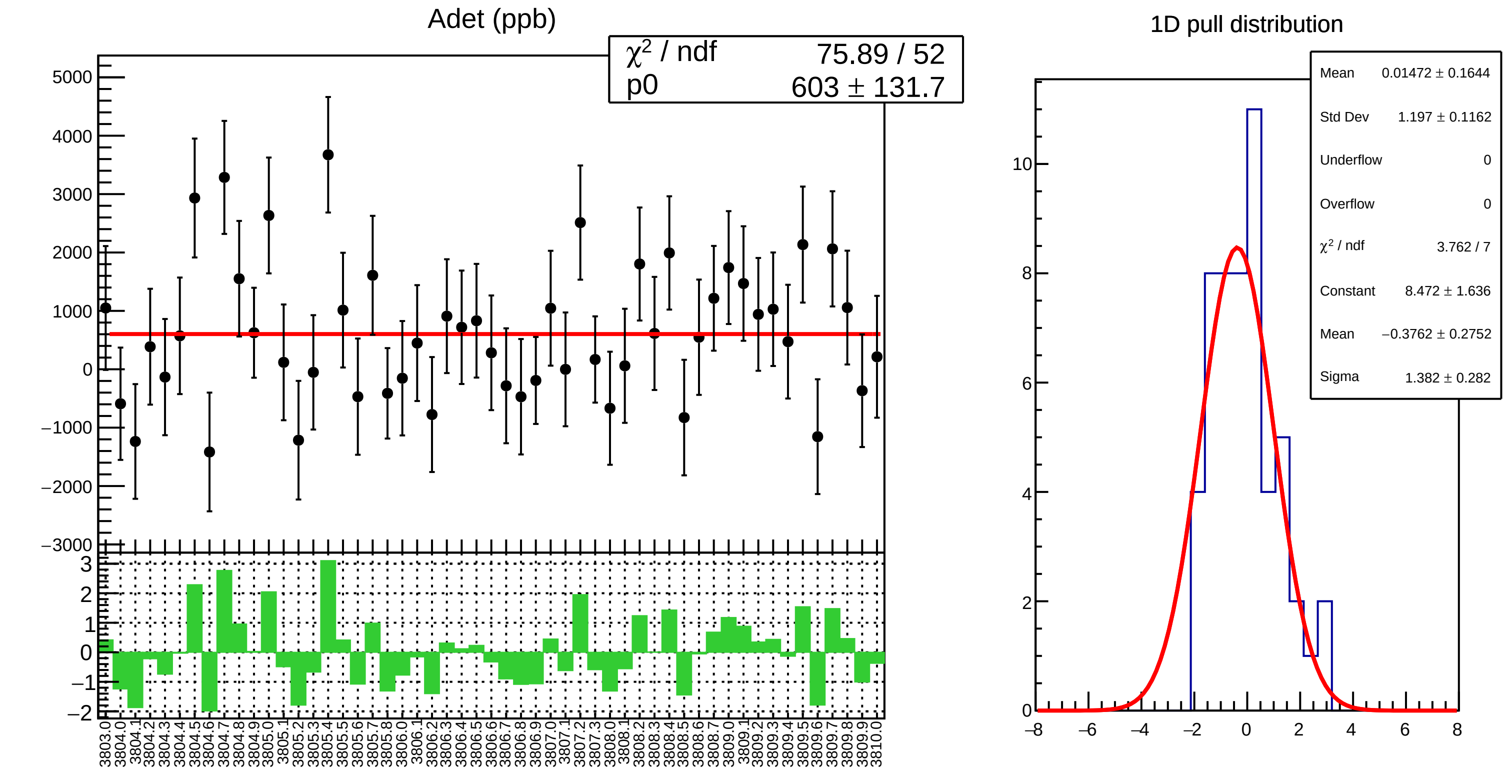
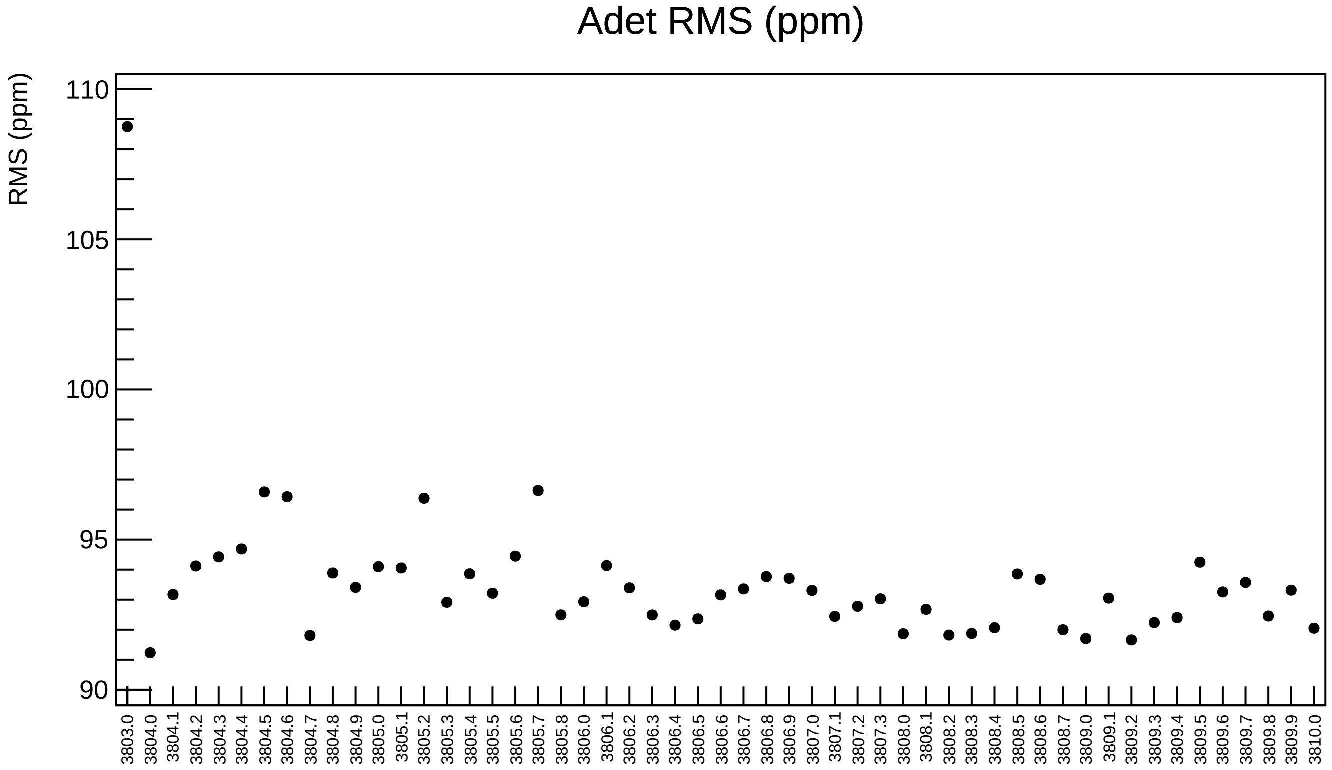
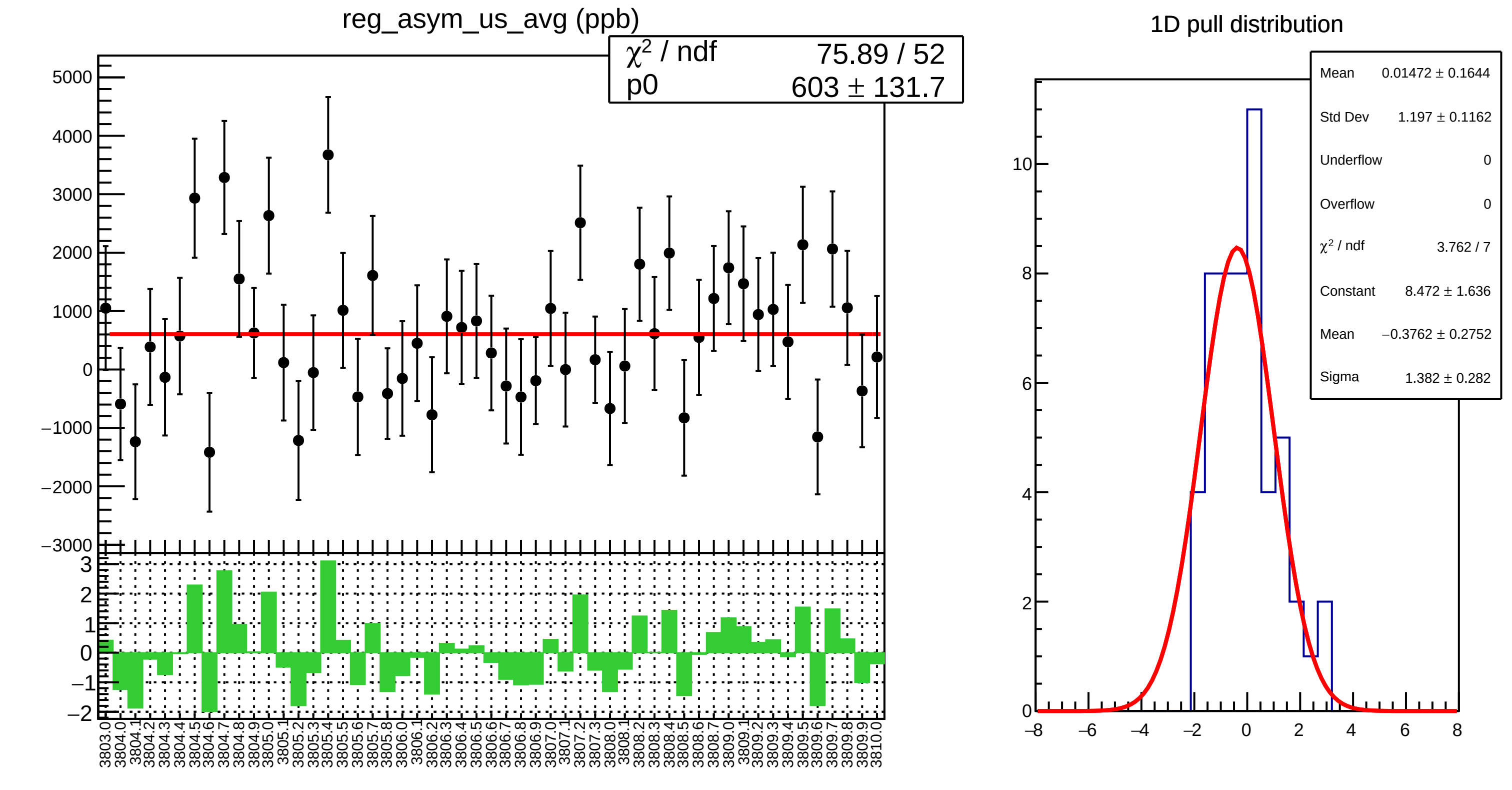
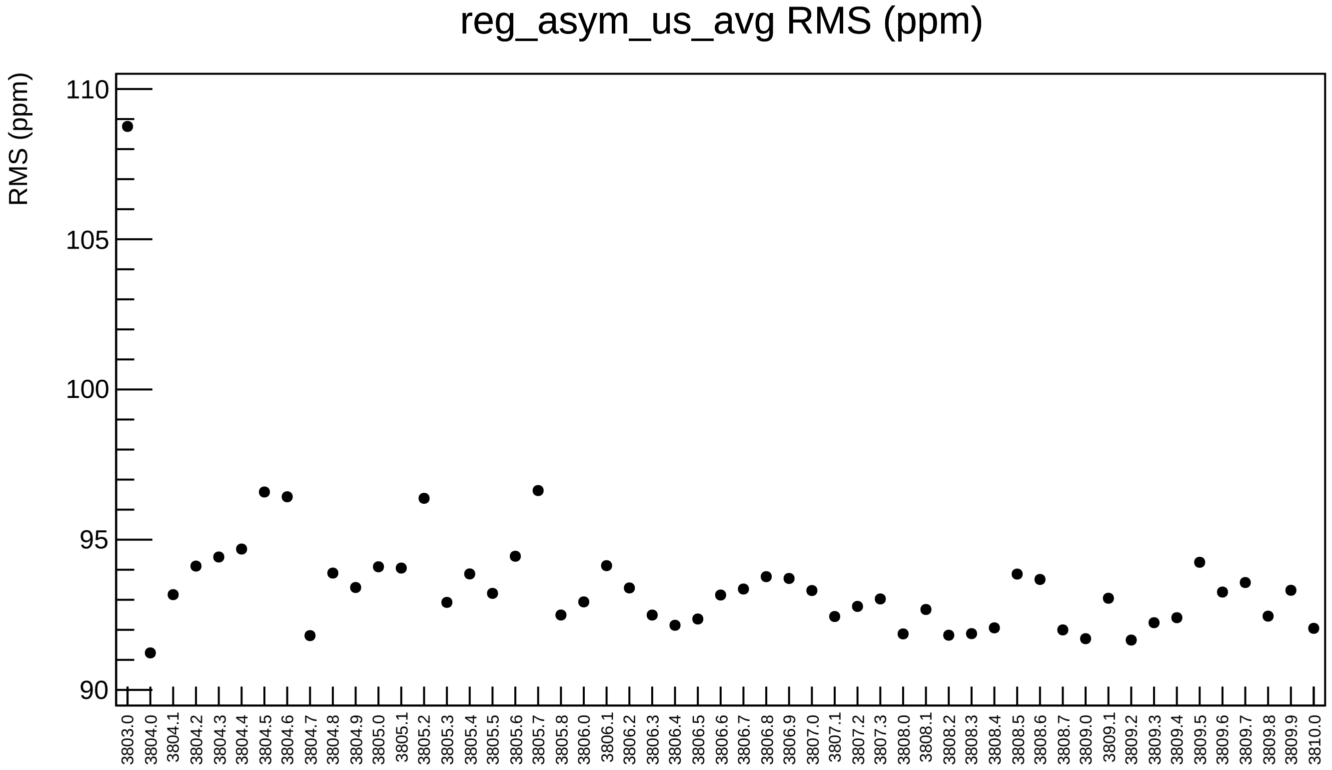


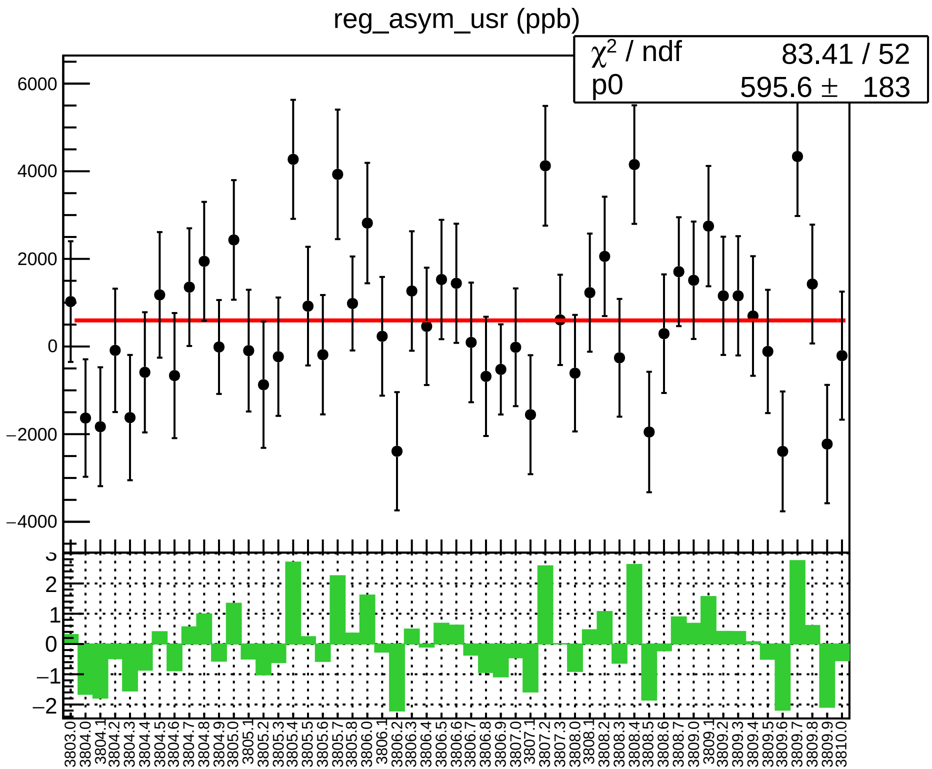
Adet (ppb)
χ2 / ndf 75.89 / 52
p0 603 ± 131.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
3
2
1
0
−1
−2
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0
1D pull distribution
Mean 0.01472 ± 0.1644
Std Dev 1.197 ± 0.1162
Underflow 0
Overflow 0
χ2 / ndf 3.762 / 7
Constant 8.472 ± 1.636
Mean −0.3762 ± 0.2752
Sigma 1.382 ± 0.282
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

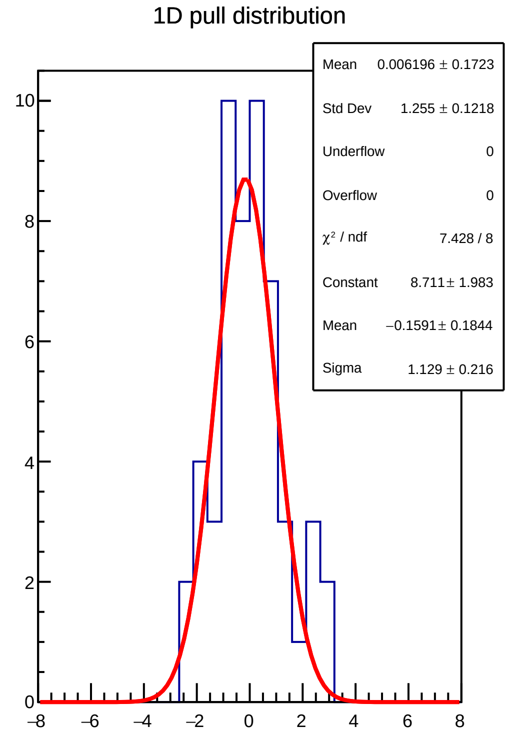

Adet RMS (ppm)
RMS (ppm)
110
105
100
95
90
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0

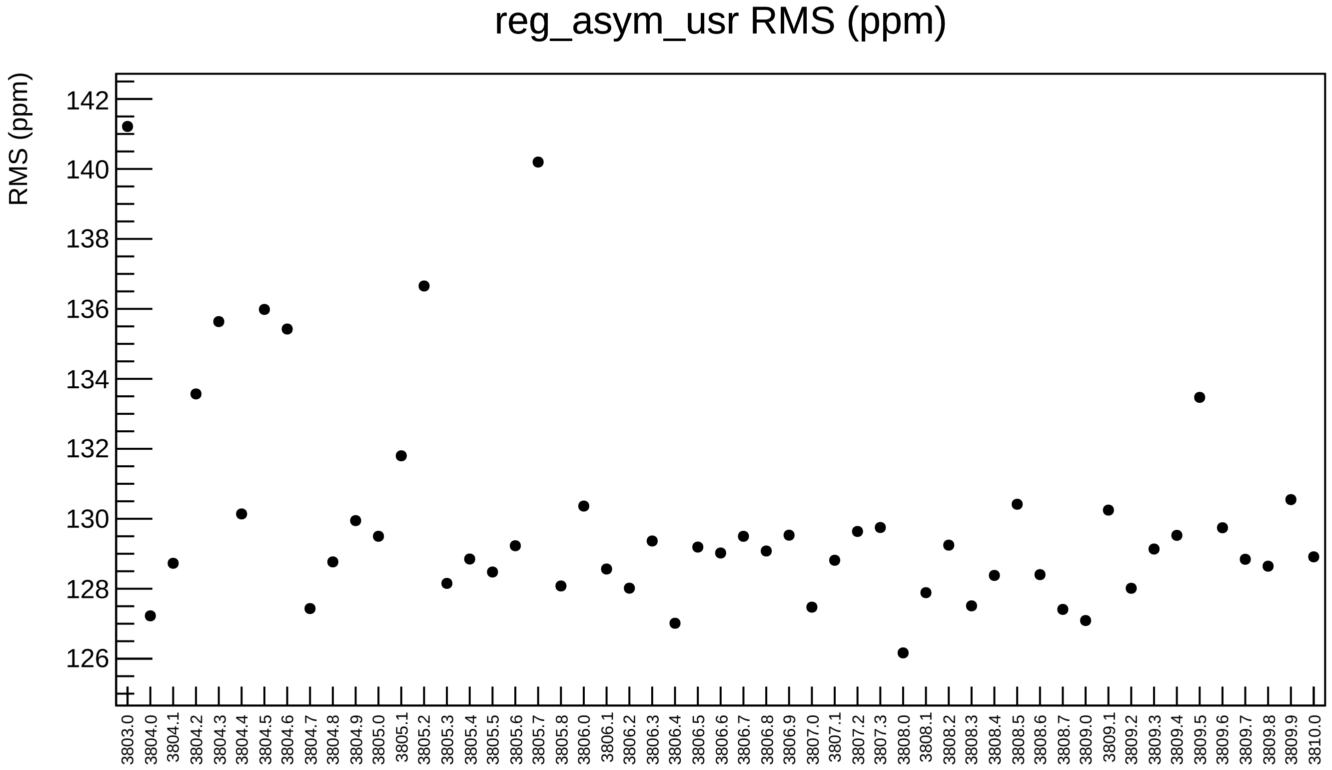


reg_asym_us_avg (ppb)
χ^2 / ndf 75.89 / 52
p0 603 ± 131.7
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
3
2
1
0
−1
−2
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0
1D pull distribution
Mean 0.01472 ± 0.1644
Std Dev 1.197 ± 0.1162
Underflow 0
Overflow 0
χ^2 / ndf 3.762 / 7
Constant 8.472 ± 1.636
Mean −0.3762 ± 0.2752
Sigma 1.382 ± 0.282
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

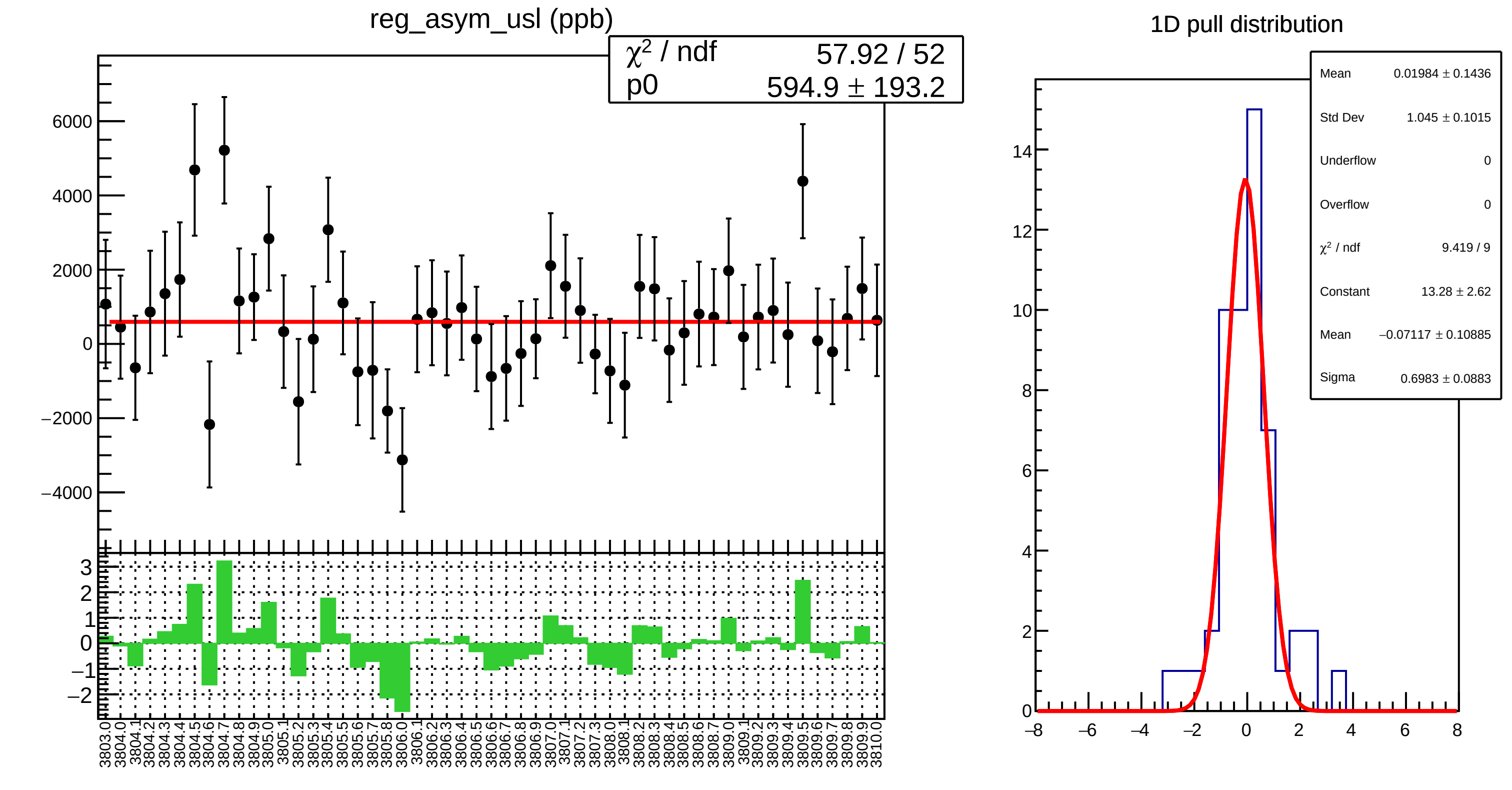

reg_asym_us_avg RMS (ppm)
RMS (ppm)
110
105
100
95
90
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0

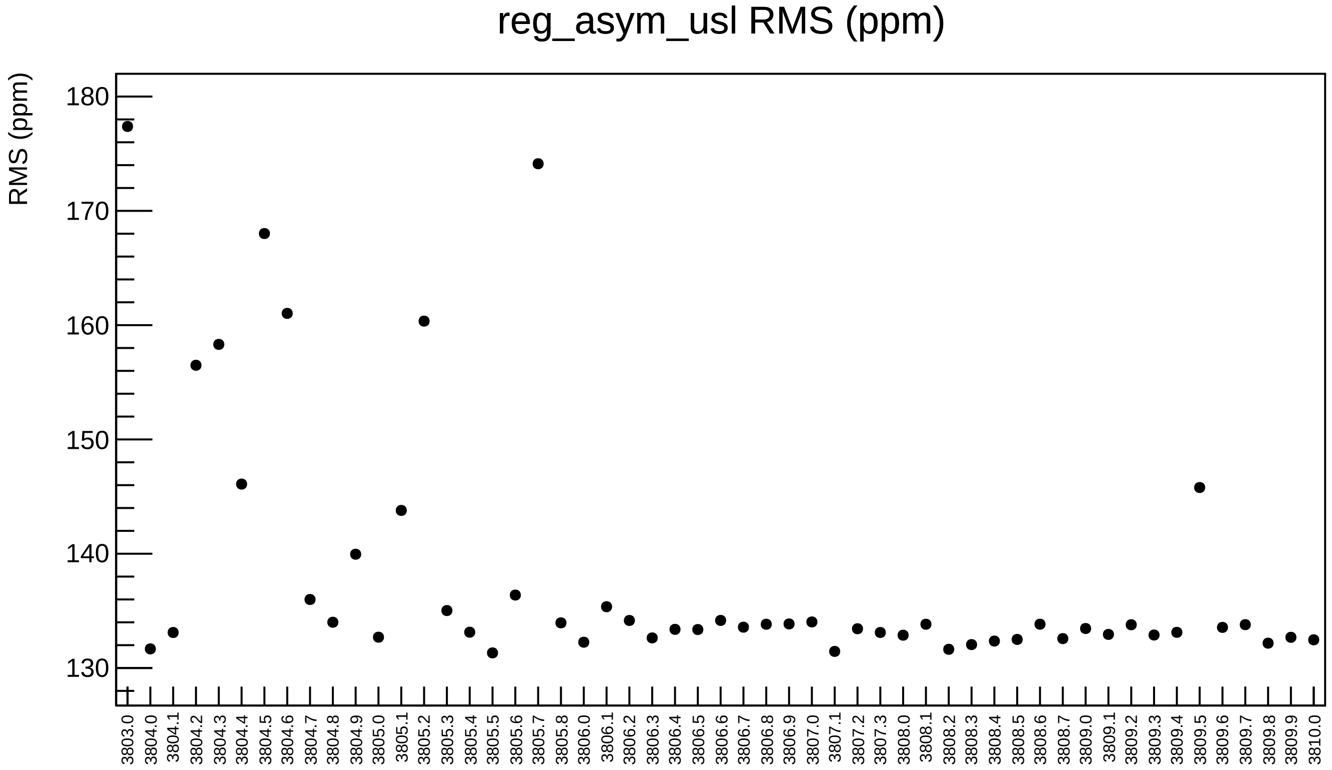

reg_asym_usr (ppb)
χ2 / ndf 83.41 / 52
p0 595.6 ± 183
6000
4000
2000
0
−2000
−4000
2
1
0
−1
−2
3803.0 3804.0 3804.1 3804.2 3804.3 3804.4 3804.5 3804.6 3804.7 3804.8 3804.9 3805.0 3805.1 3805.2 3805.3 3805.4 3805.5 3805.6 3805.7 3805.8 3806.0 3806.1 3806.2 3806.3 3806.4 3806.5 3806.6 3806.7 3806.8 3806.9 3807.0 3807.1 3807.2 3807.3 3808.0 3808.1 3808.2 3808.3 3808.4 3808.5 3808.6 3808.7 3809.0 3809.1 3809.2 3809.3 3809.4 3809.5 3809.6 3809.7 3809.8 3809.9 3810.0


1D pull distribution
Mean 0.006196 ± 0.1723
Std Dev 1.255 ± 0.1218
Underflow 0
Overflow 0
χ2 / ndf 7.428 / 8
Constant 8.711 ± 1.983
Mean −0.1591 ± 0.1844
Sigma 1.129 ± 0.216
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

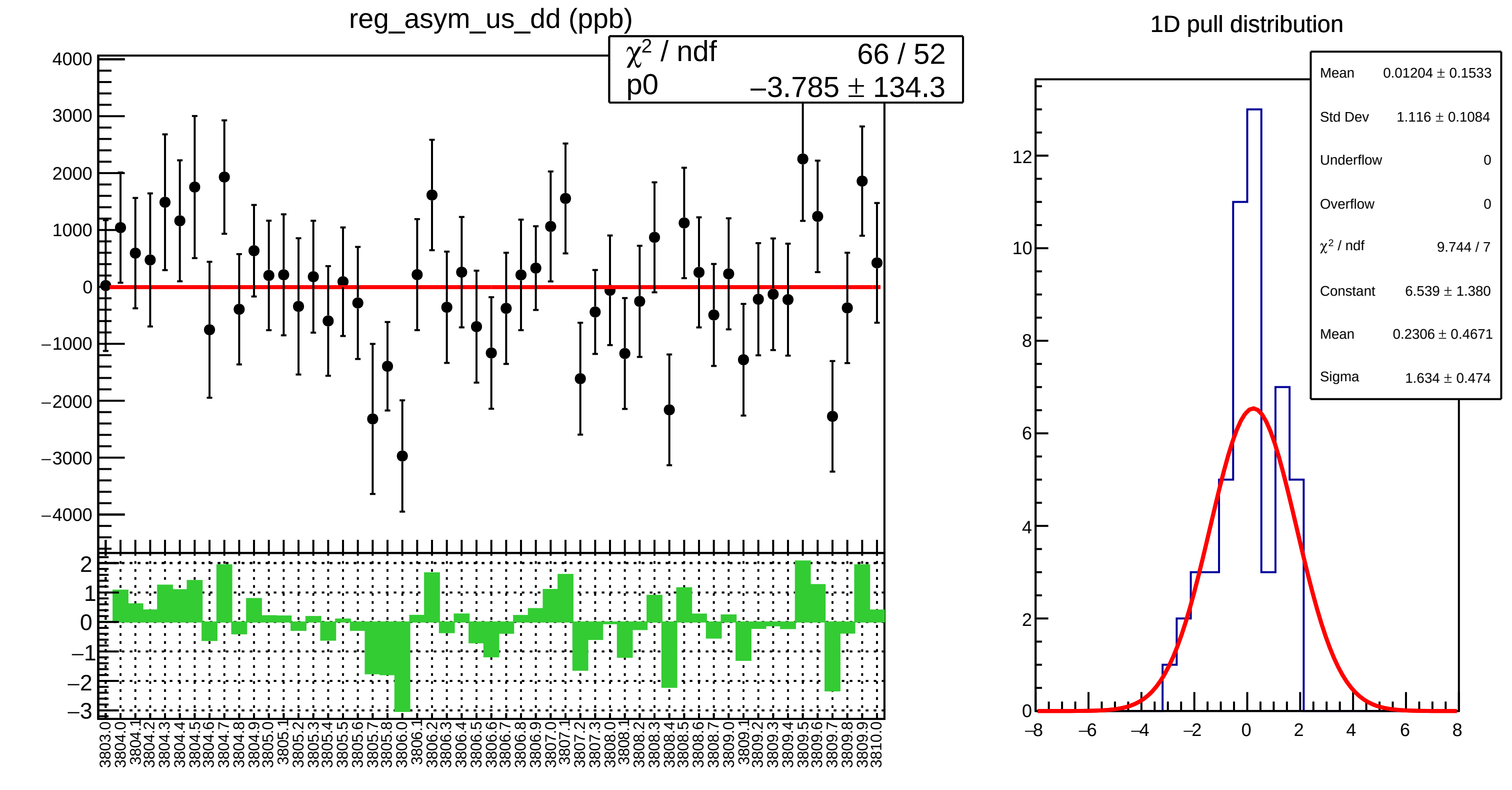


reg_asym_usr RMS (ppm)
RMS (ppm)
142
140
138
136
134
132
130
128
126
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0

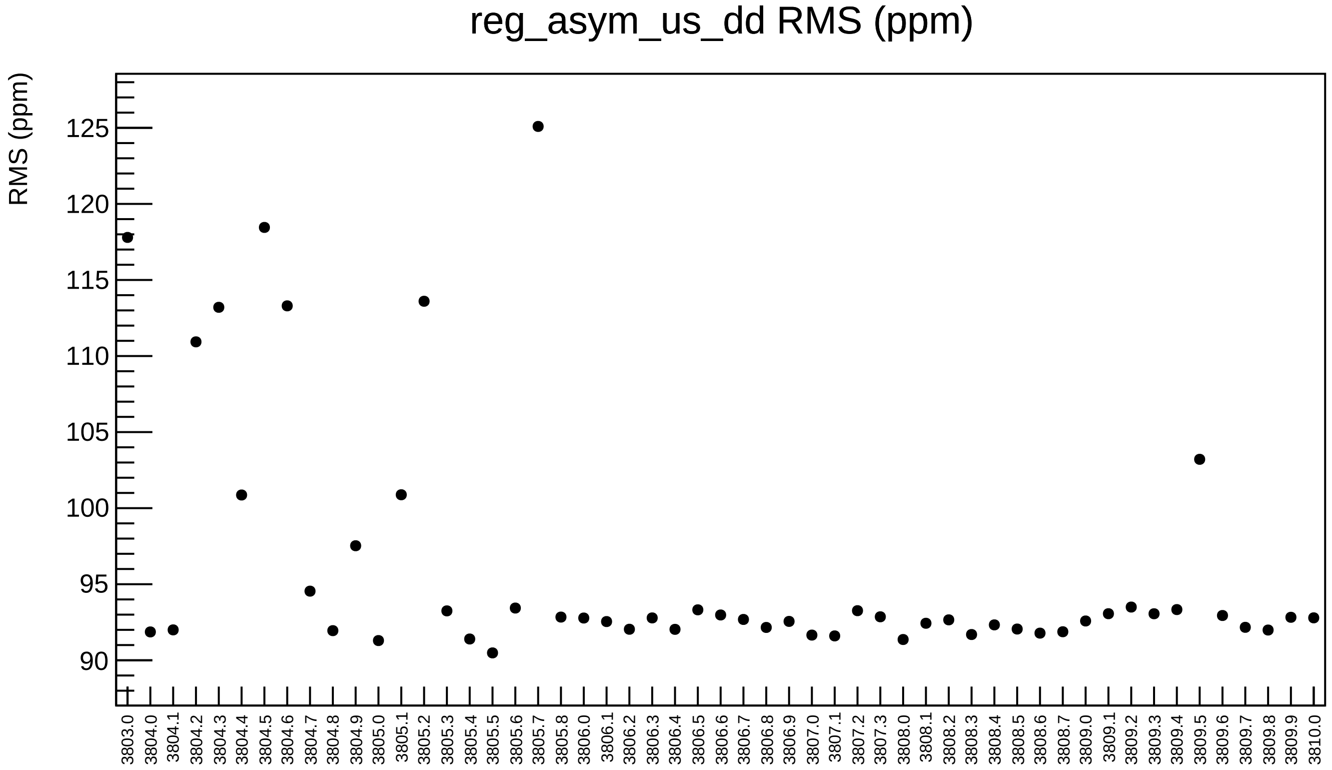

reg_asym_usl (ppb)
χ^2 / ndf 57.92 / 52
p0 594.9 ± 193.2
1D pull distribution
Mean 0.01984 ± 0.1436
Std Dev 1.045 ± 0.1015
Underflow 0
Overflow 0
χ^2 / ndf 9.419 / 9
Constant 13.28 ± 2.62
Mean −0.07117 ± 0.10885
Sigma 0.6983 ± 0.0883



reg_asym_usl RMS (ppm)
RMS (ppm)
180
170
160
150
140
130
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0



reg_asym_us_dd (ppb)
χ^2 / ndf 66 / 52
p0 −3.785 ± 134.3
1D pull distribution
Mean 0.01204 ± 0.1533
Std Dev 1.116 ± 0.1084
Underflow 0
Overflow 0
χ^2 / ndf 9.744 / 7
Constant 6.539 ± 1.380
Mean 0.2306 ± 0.4671
Sigma 1.634 ± 0.474



reg_asym_us_dd RMS (ppm)
RMS (ppm)
125
120
115
110
105
100
95
90
3803.0
3804.0
3804.1
3804.2
3804.3
3804.4
3804.5
3804.6
3804.7
3804.8
3804.9
3805.0
3805.1
3805.2
3805.3
3805.4
3805.5
3805.6
3805.7
3805.8
3806.0
3806.1
3806.2
3806.3
3806.4
3806.5
3806.6
3806.7
3806.8
3806.9
3807.0
3807.1
3807.2
3807.3
3808.0
3808.1
3808.2
3808.3
3808.4
3808.5
3808.6
3808.7
3809.0
3809.1
3809.2
3809.3
3809.4
3809.5
3809.6
3809.7
3809.8
3809.9
3810.0