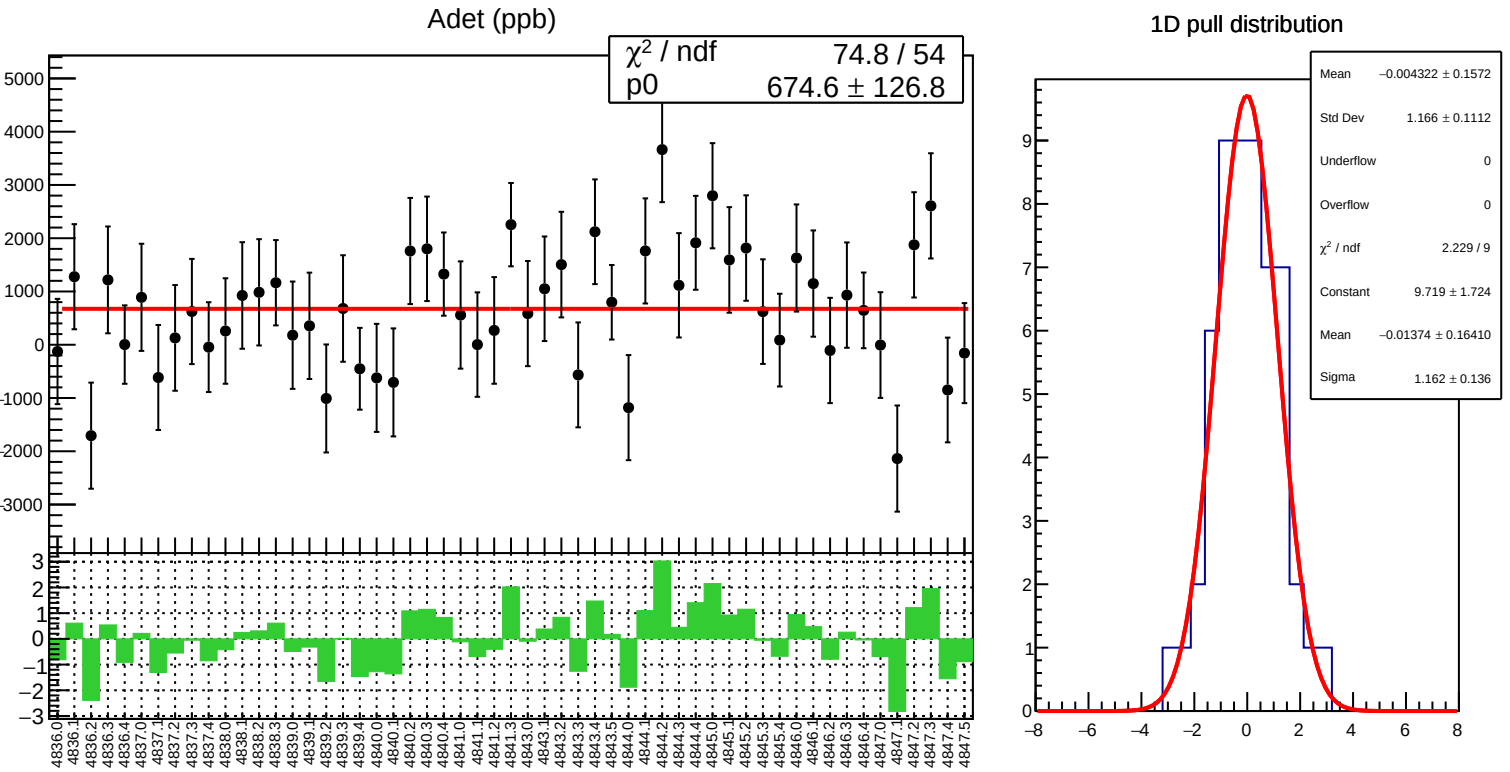
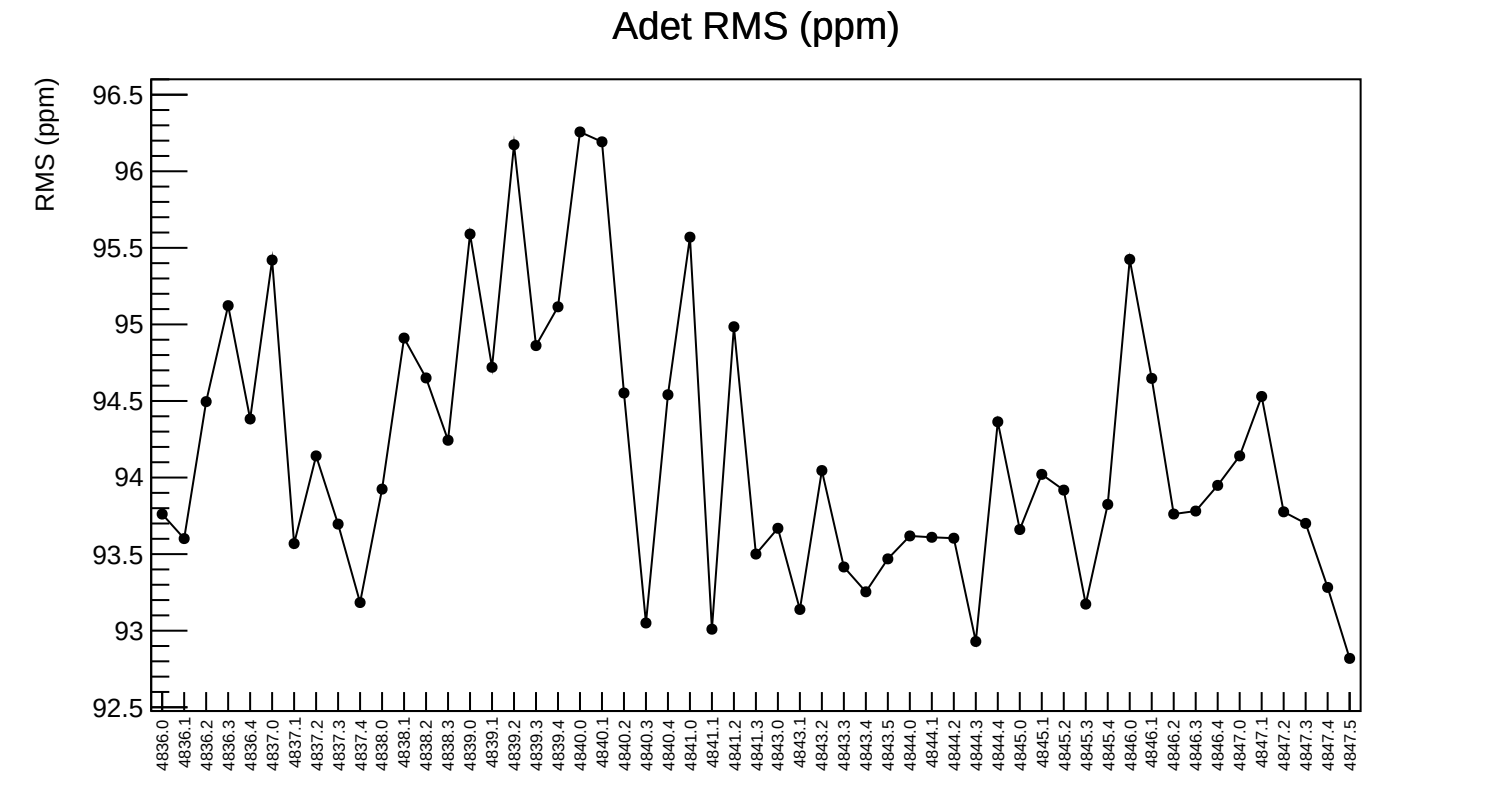
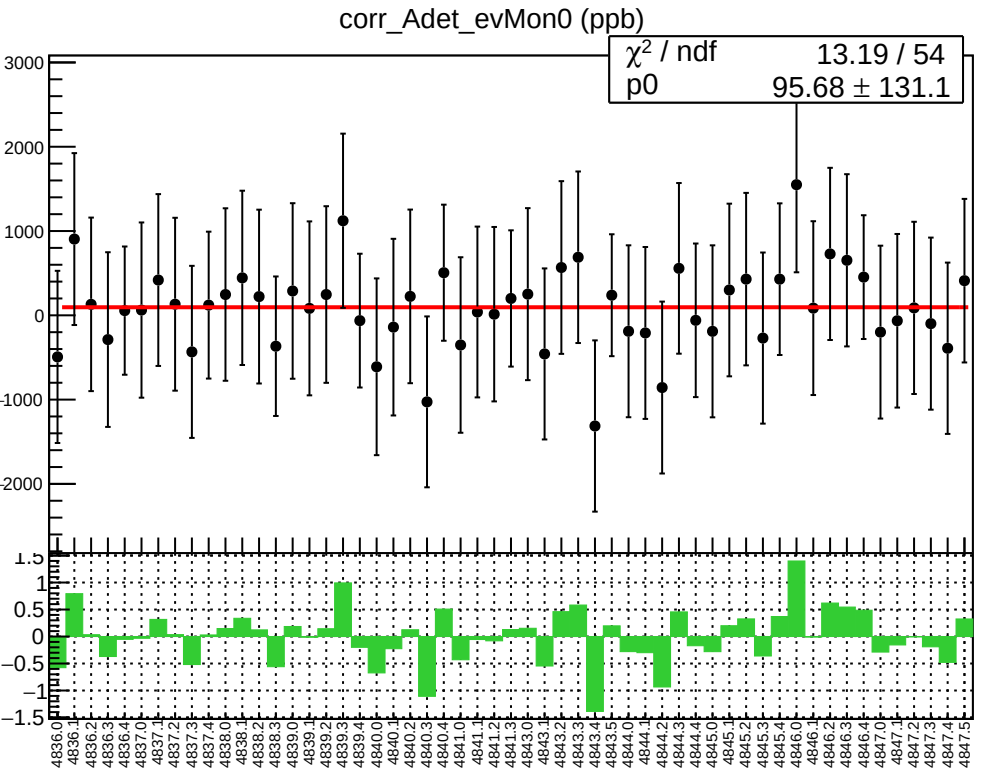
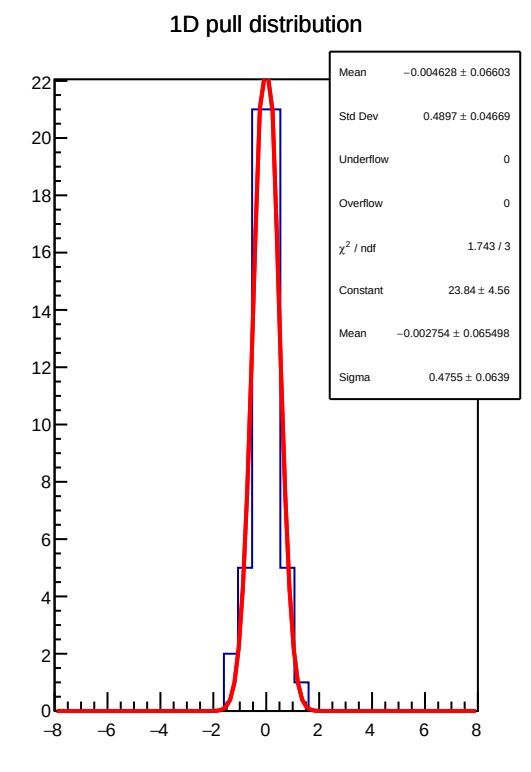
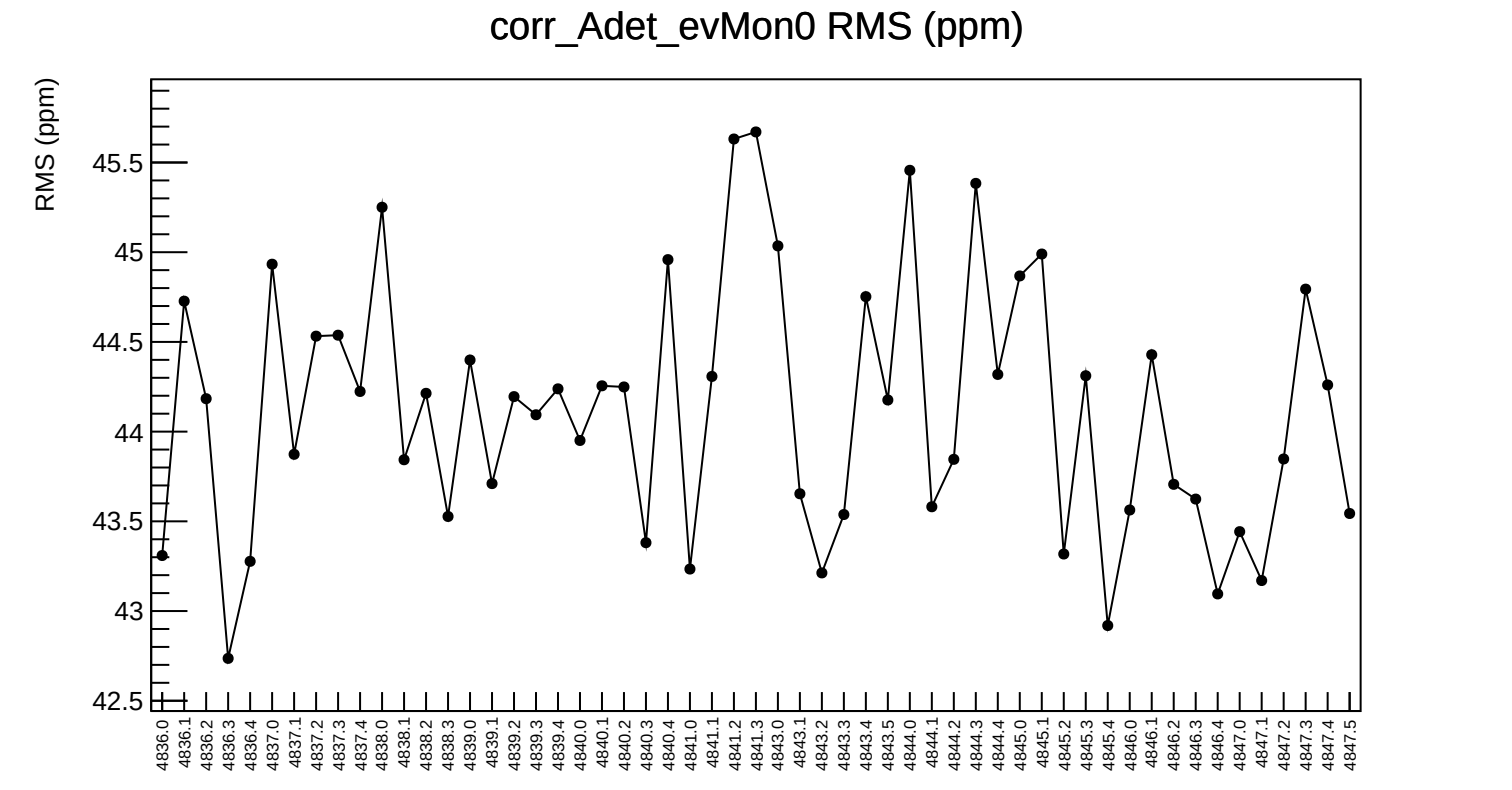
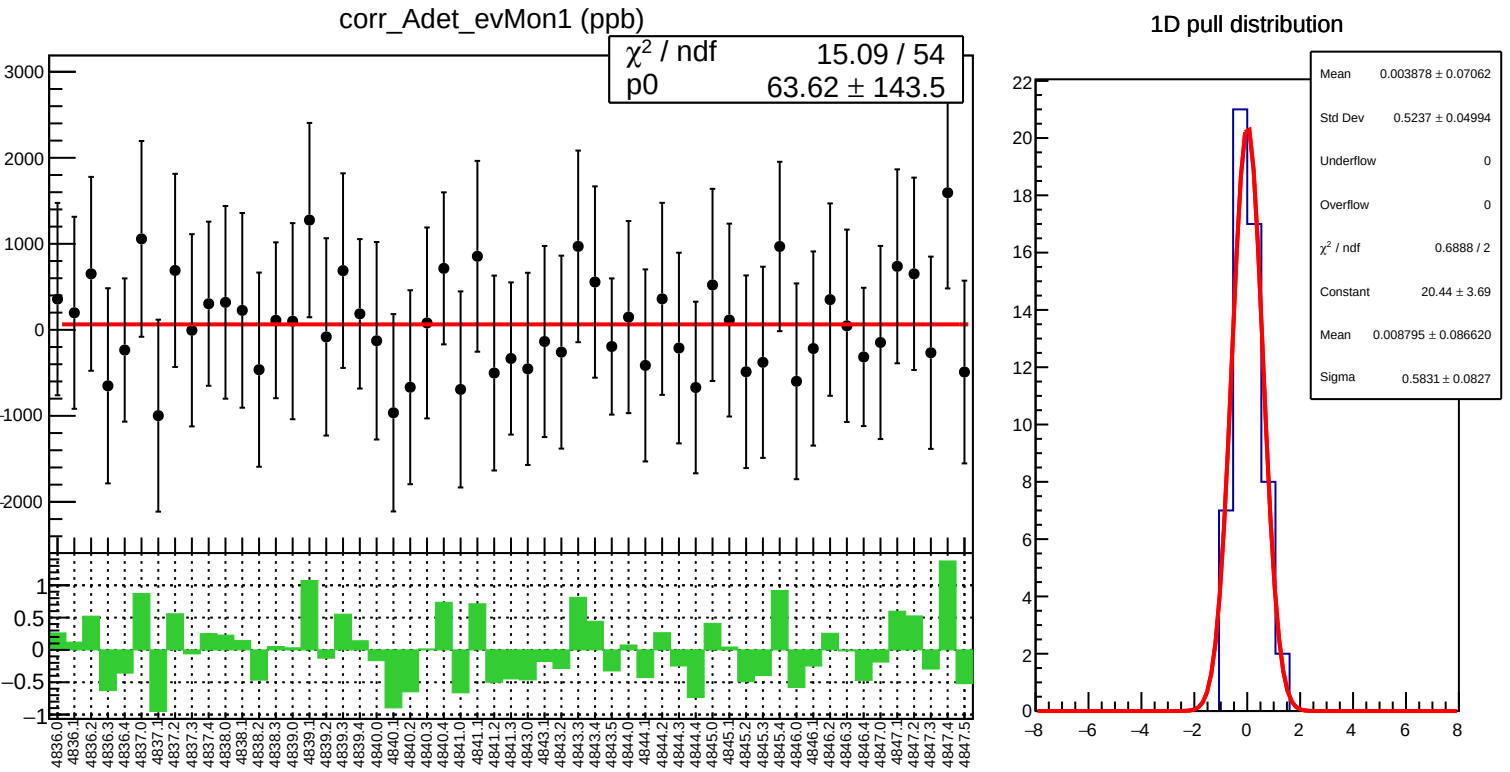

Adet (ppb)
χ² / ndf 74.8 / 54
p0 674.6 ± 126.8
1D pull distribution
Mean −0.004322 ± 0.1572
Std Dev 1.166 ± 0.1112
Underflow 0
Overflow 0
χ² / ndf 2.229 / 9
Constant 9.719 ± 1.724
Mean −0.01374 ± 0.16410
Sigma 1.162 ± 0.136

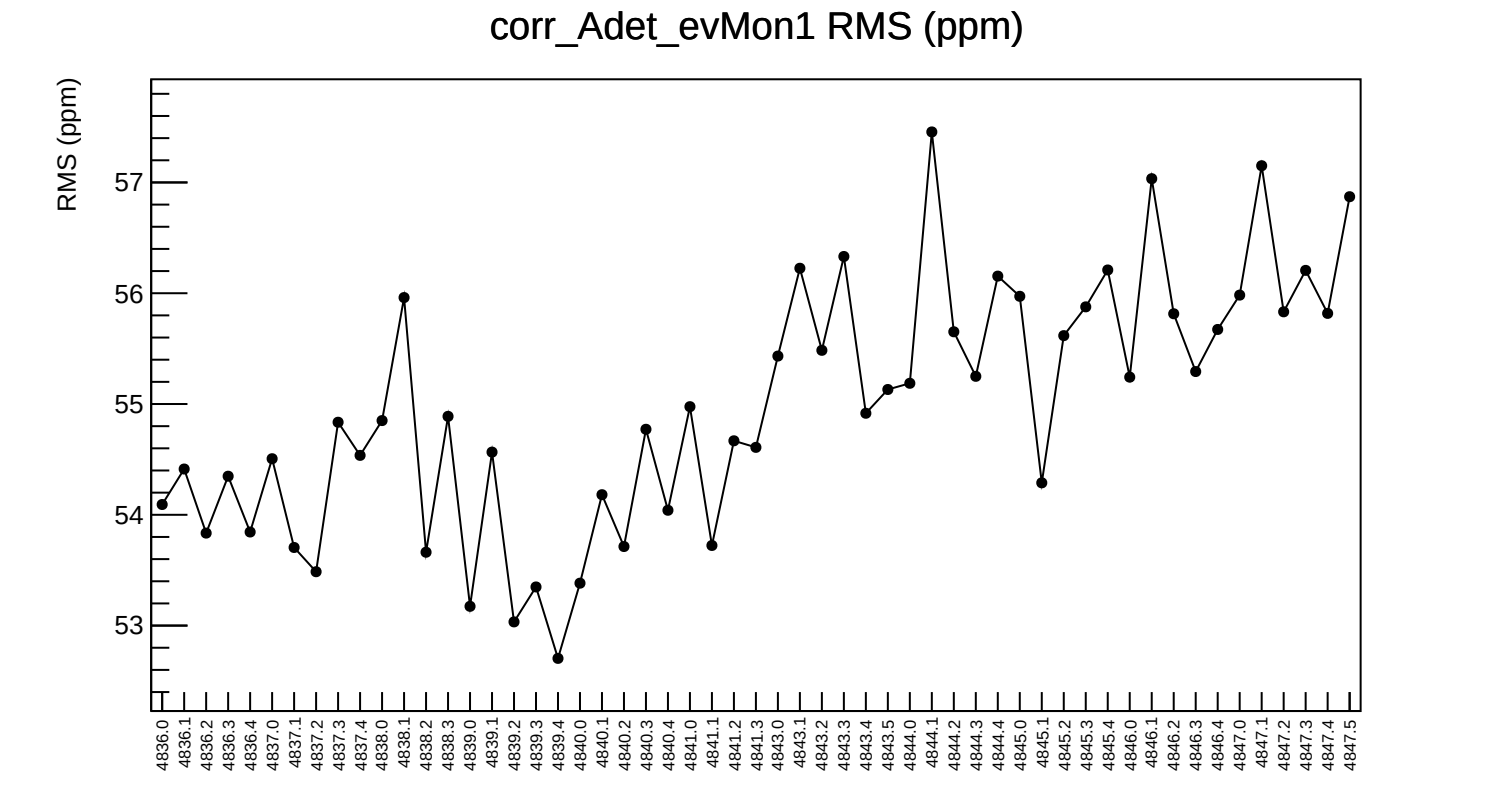

Adet RMS (ppm)
RMS (ppm)
96.5
96
95.5
95
94.5
94
93.5
93
92.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

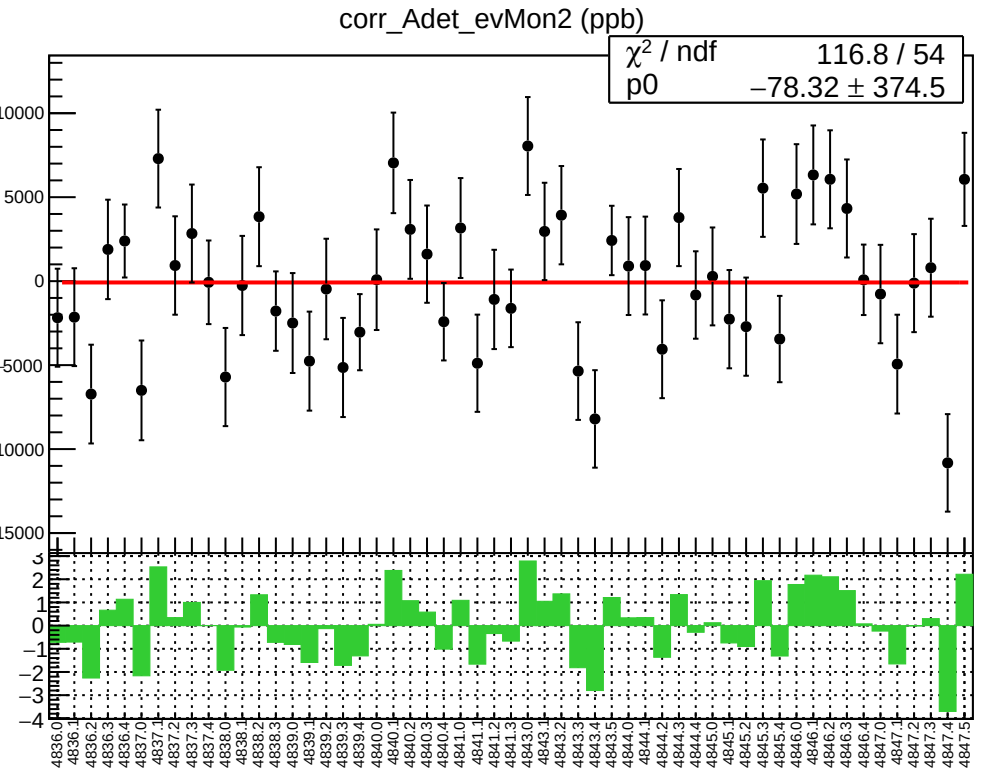

corr_Adet_evMon0 (ppb)
χ² / ndf 13.19 / 54
p0 95.68 ± 131.1

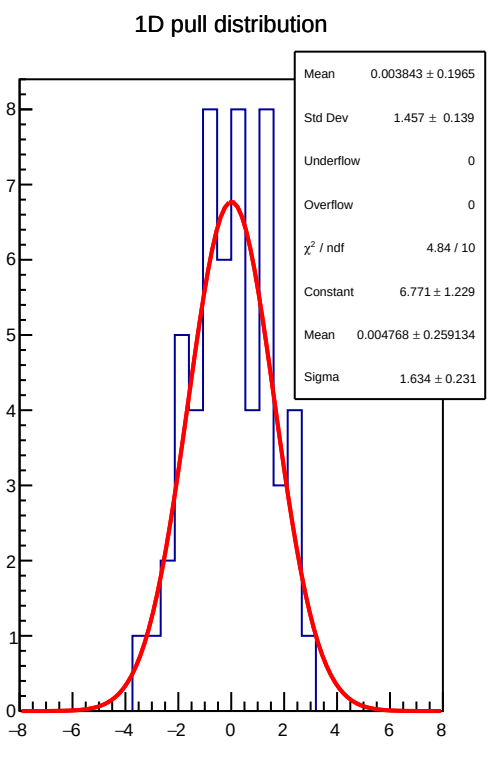

1D pull distribution
Mean −0.004628 ± 0.06603
Std Dev 0.4897 ± 0.04669
Underflow 0
Overflow 0
χ² / ndf 1.743 / 3
Constant 23.84 ± 4.56
Mean −0.002754 ± 0.065498
Sigma 0.4755 ± 0.0639

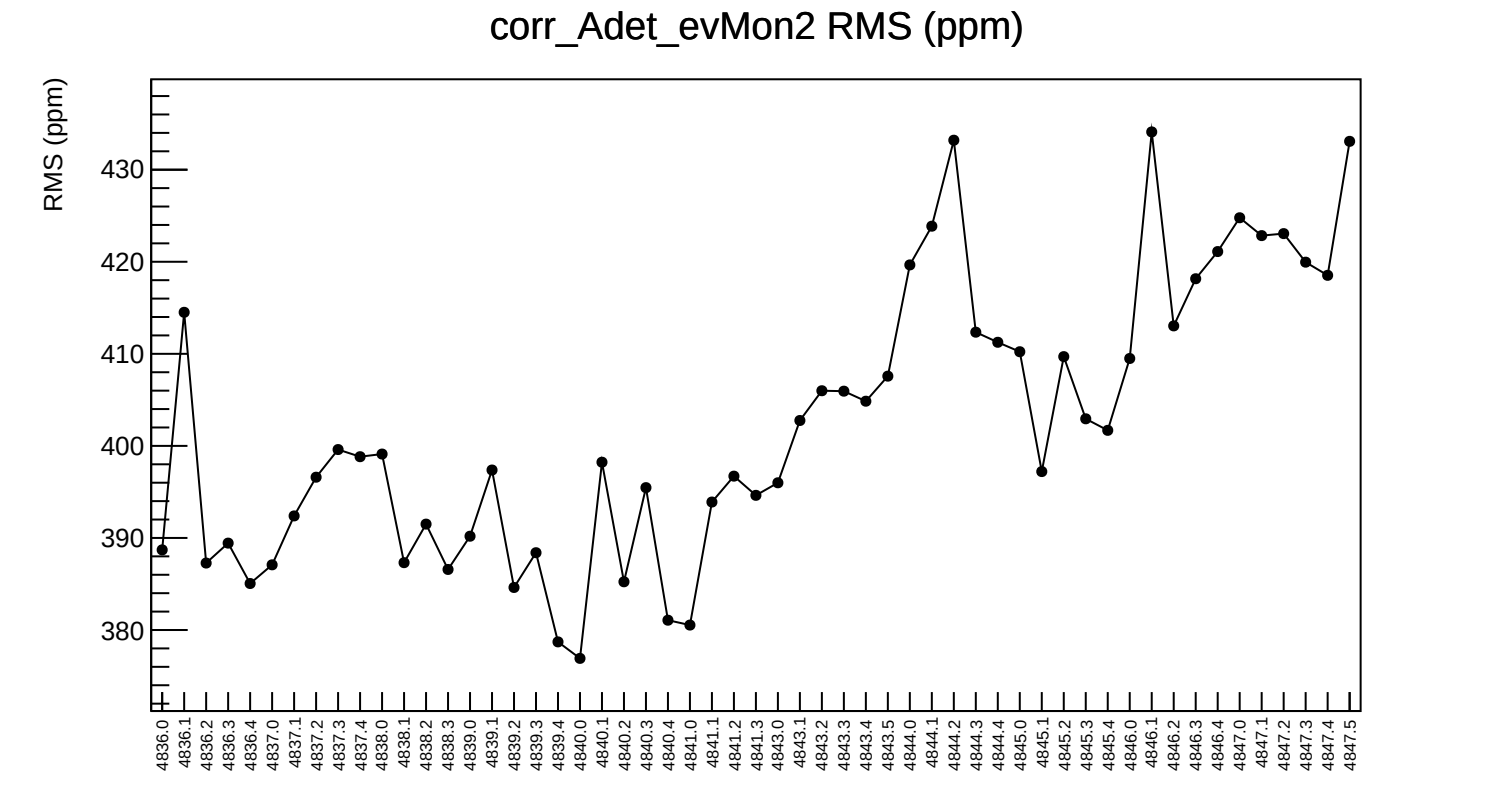

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
45.5
45
44.5
44
43.5
43
42.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

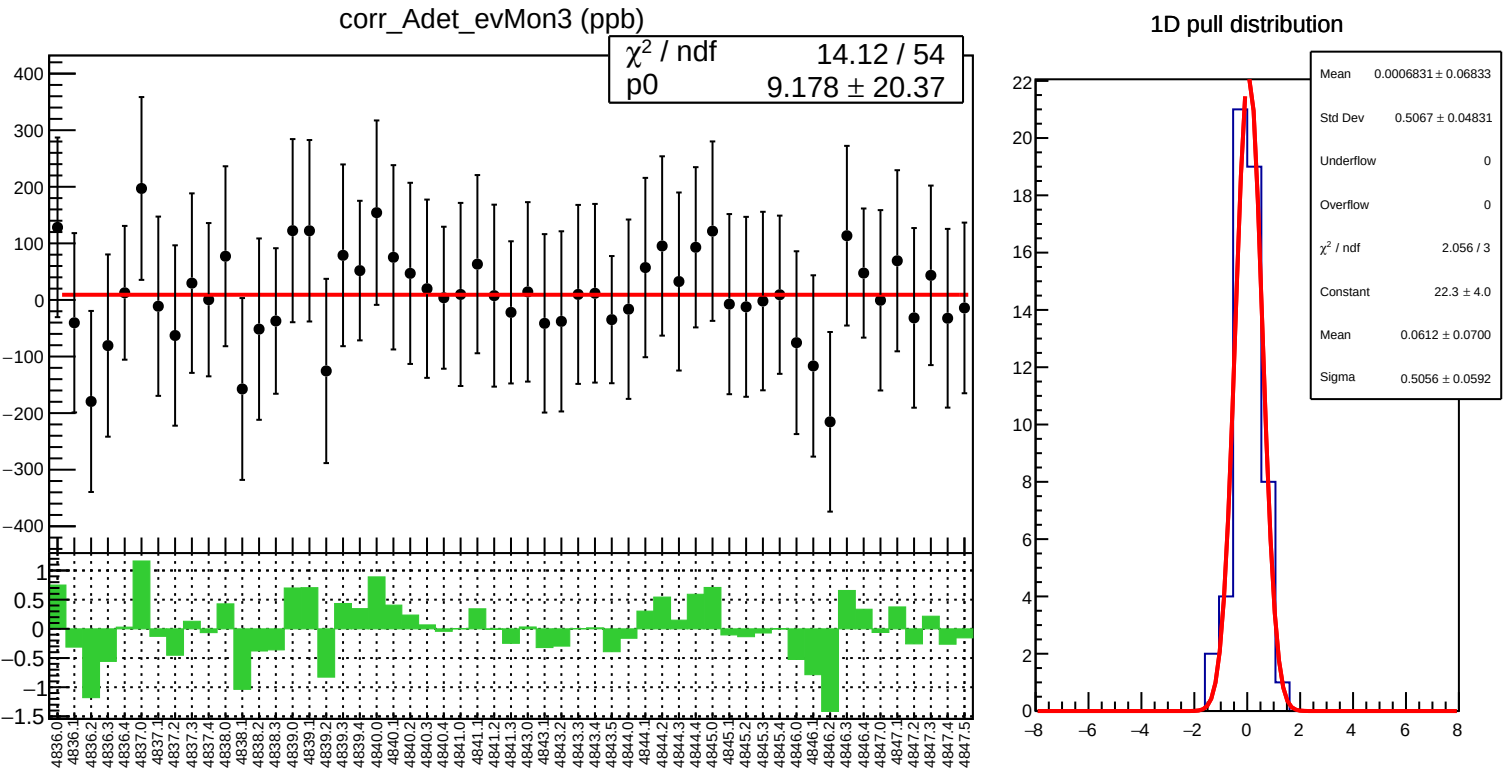

corr_Adet_evMon1 (ppb)
χ² / ndf 15.09 / 54
p0 63.62 ± 143.5
1D pull distribution
Mean 0.003878 ± 0.07062
Std Dev 0.5237 ± 0.04994
Underflow 0
Overflow 0
χ² / ndf 0.6888 / 2
Constant 20.44 ± 3.69
Mean 0.008795 ± 0.086620
Sigma 0.5831 ± 0.0827

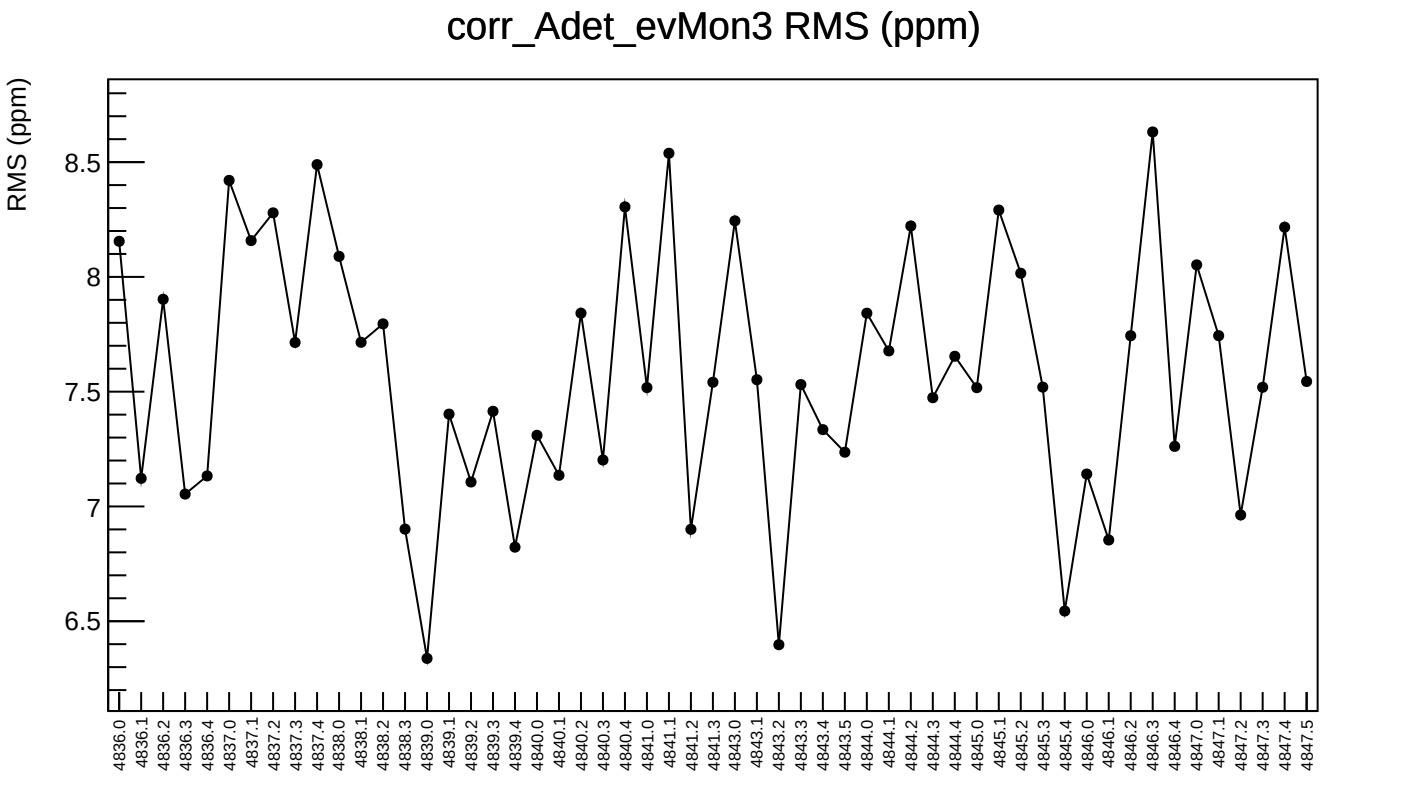

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
57
56
55
54
53
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

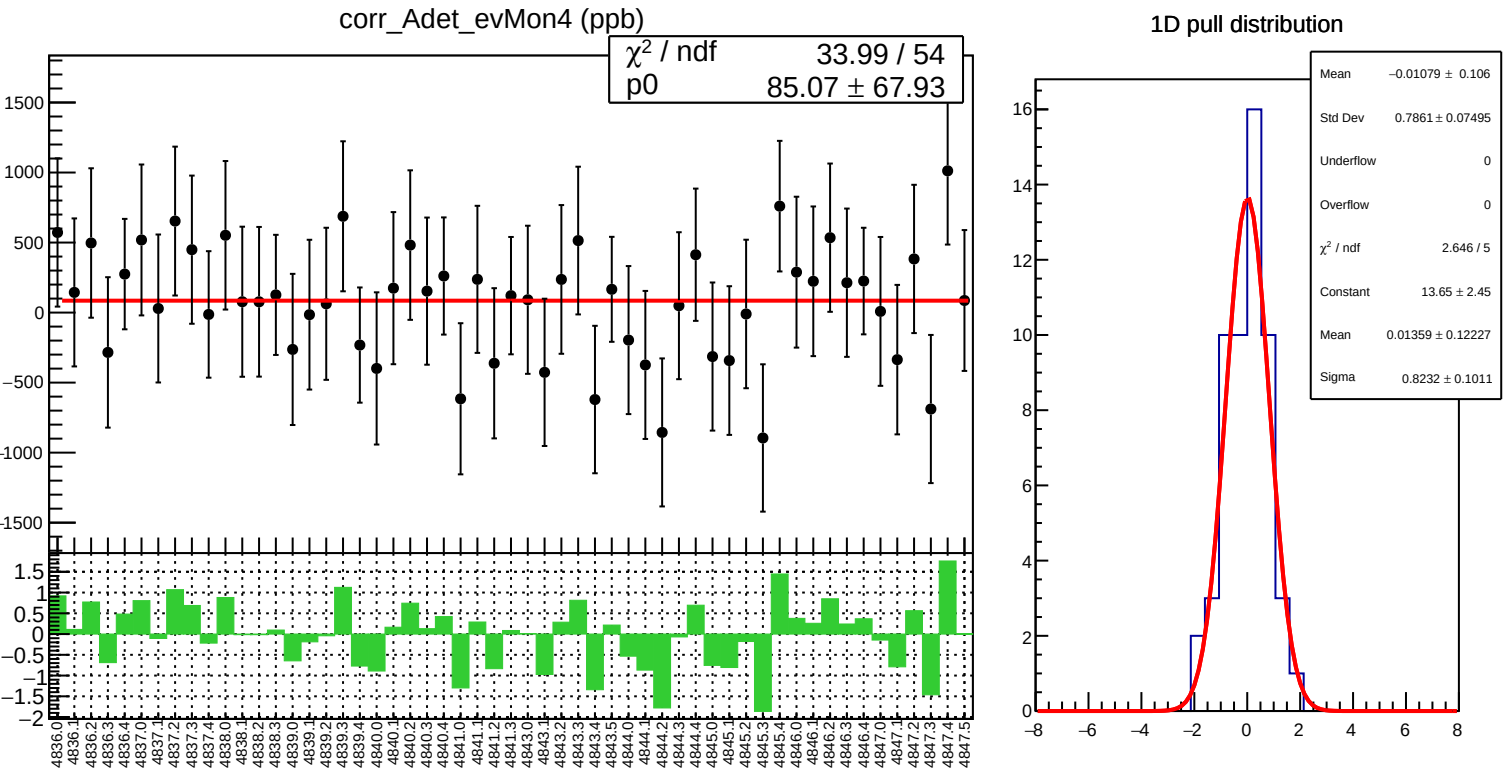

corr_Adet_evMon2 (ppb)
χ² / ndf 116.8 / 54
p0 −78.32 ± 374.5
10000
5000
0
−5000
−10000
−15000
3
2
1
0
−1
−2
−3
−4
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

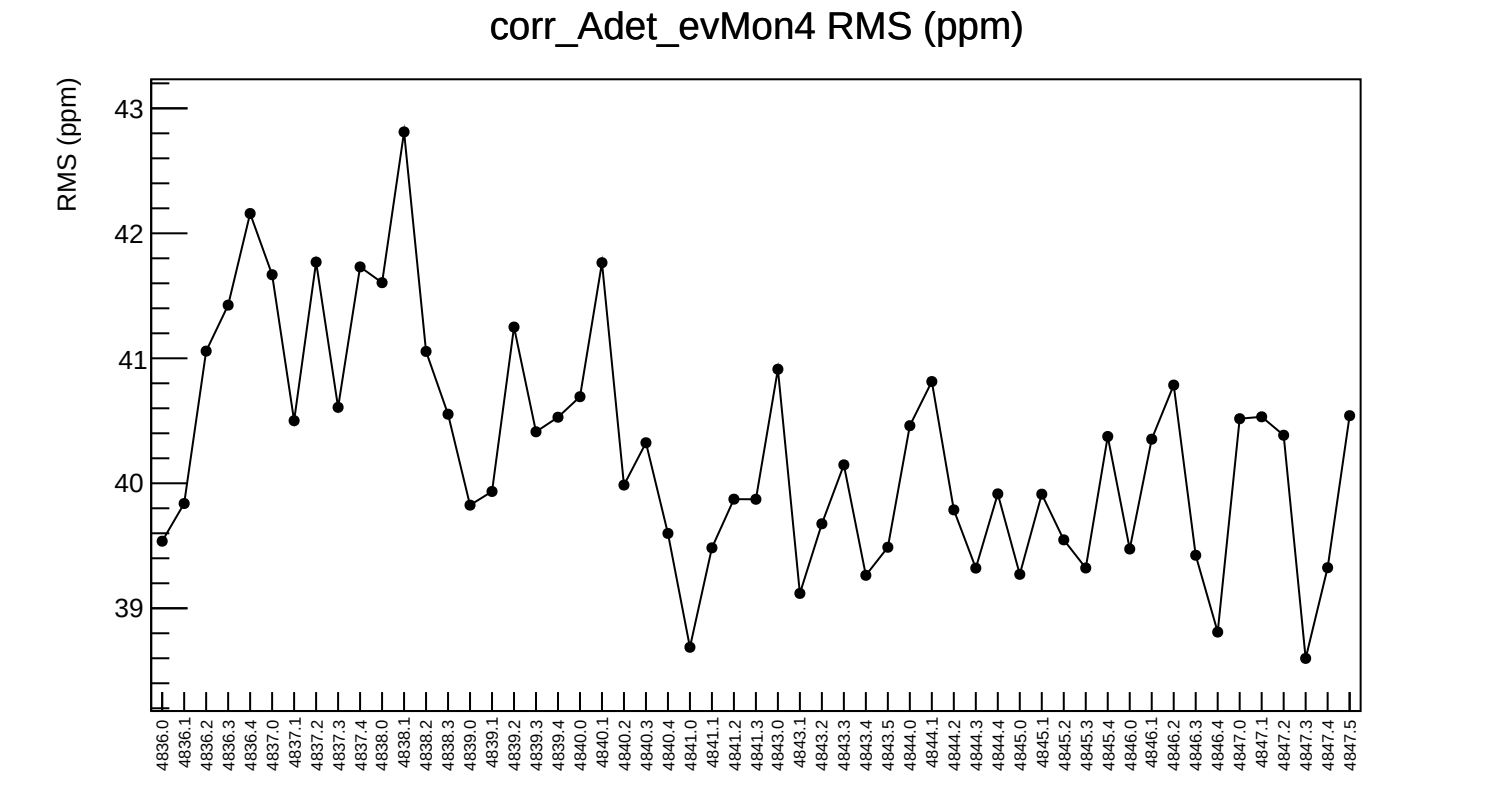

1D pull distribution
Mean 0.003843 ± 0.1965
Std Dev 1.457 ± 0.139
Underflow 0
Overflow 0
χ² / ndf 4.84 / 10
Constant 6.771 ± 1.229
Mean 0.004768 ± 0.259134
Sigma 1.634 ± 0.231
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

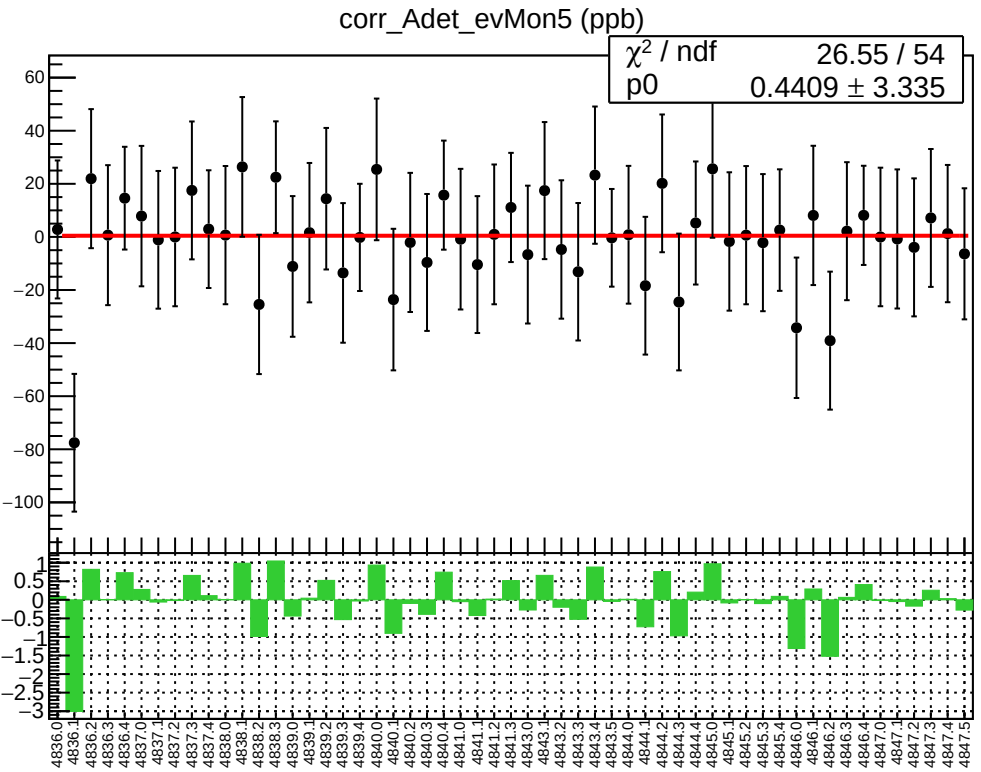

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
430
420
410
400
390
380
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

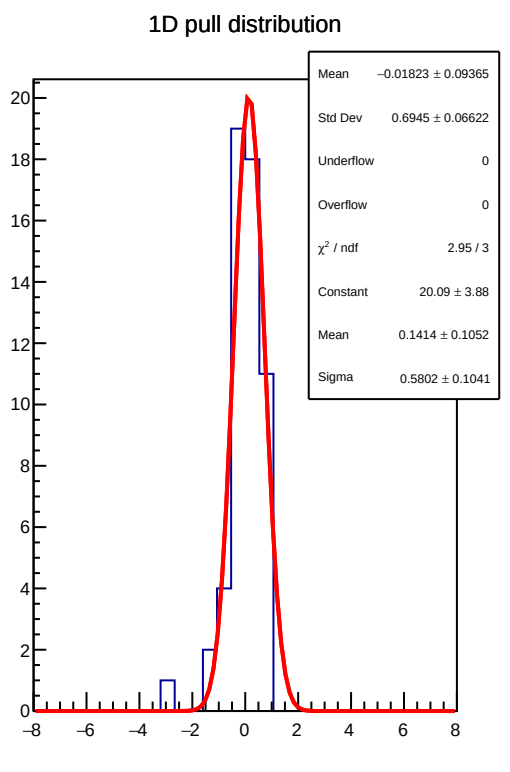

corr_Adet_evMon3 (ppb)
χ² / ndf 14.12 / 54
p0 9.178 ± 20.37
1D pull distribution
Mean 0.0006831 ± 0.06833
Std Dev 0.5067 ± 0.04831
Underflow 0
Overflow 0
χ² / ndf 2.056 / 3
Constant 22.3 ± 4.0
Mean 0.0612 ± 0.0700
Sigma 0.5056 ± 0.0592

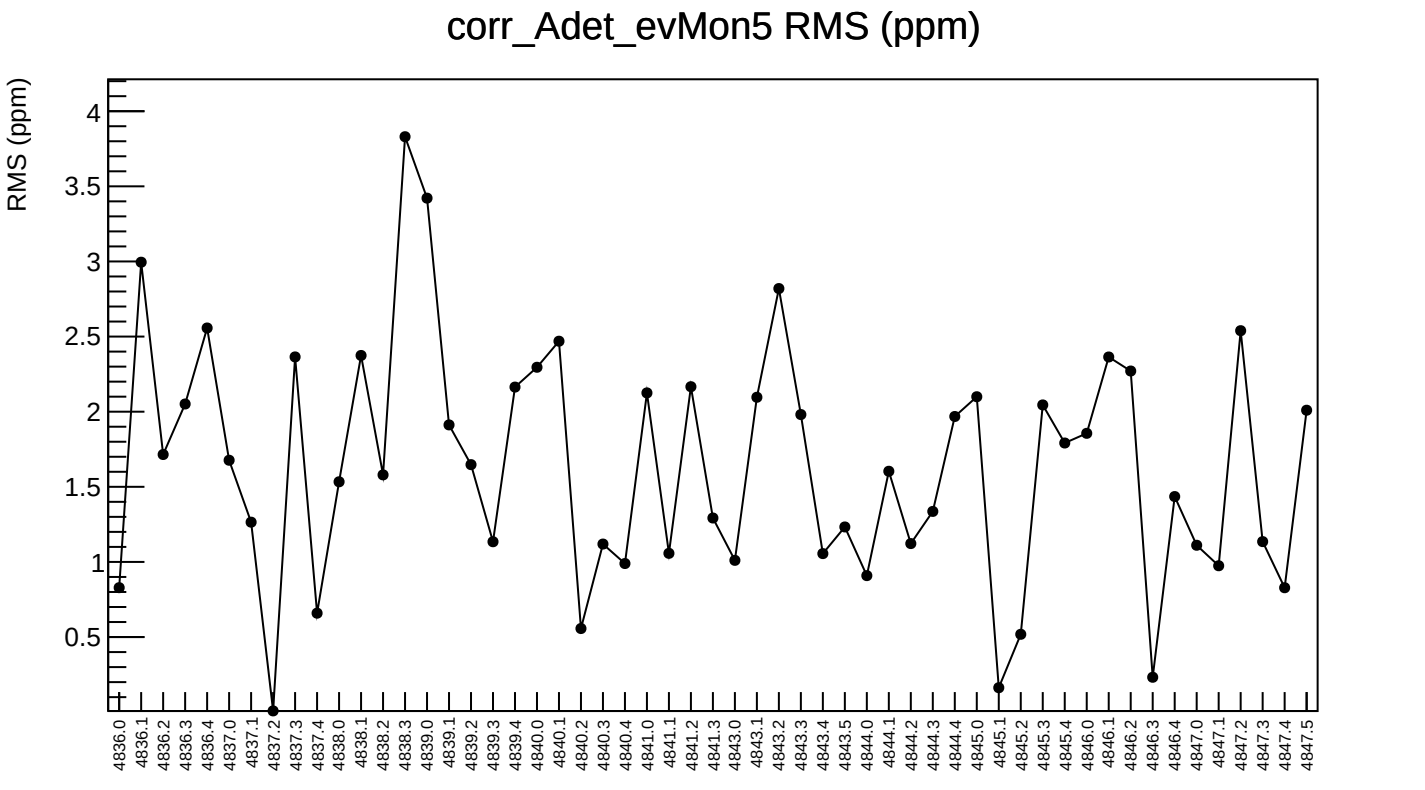

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
8.5
8
7.5
7
6.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

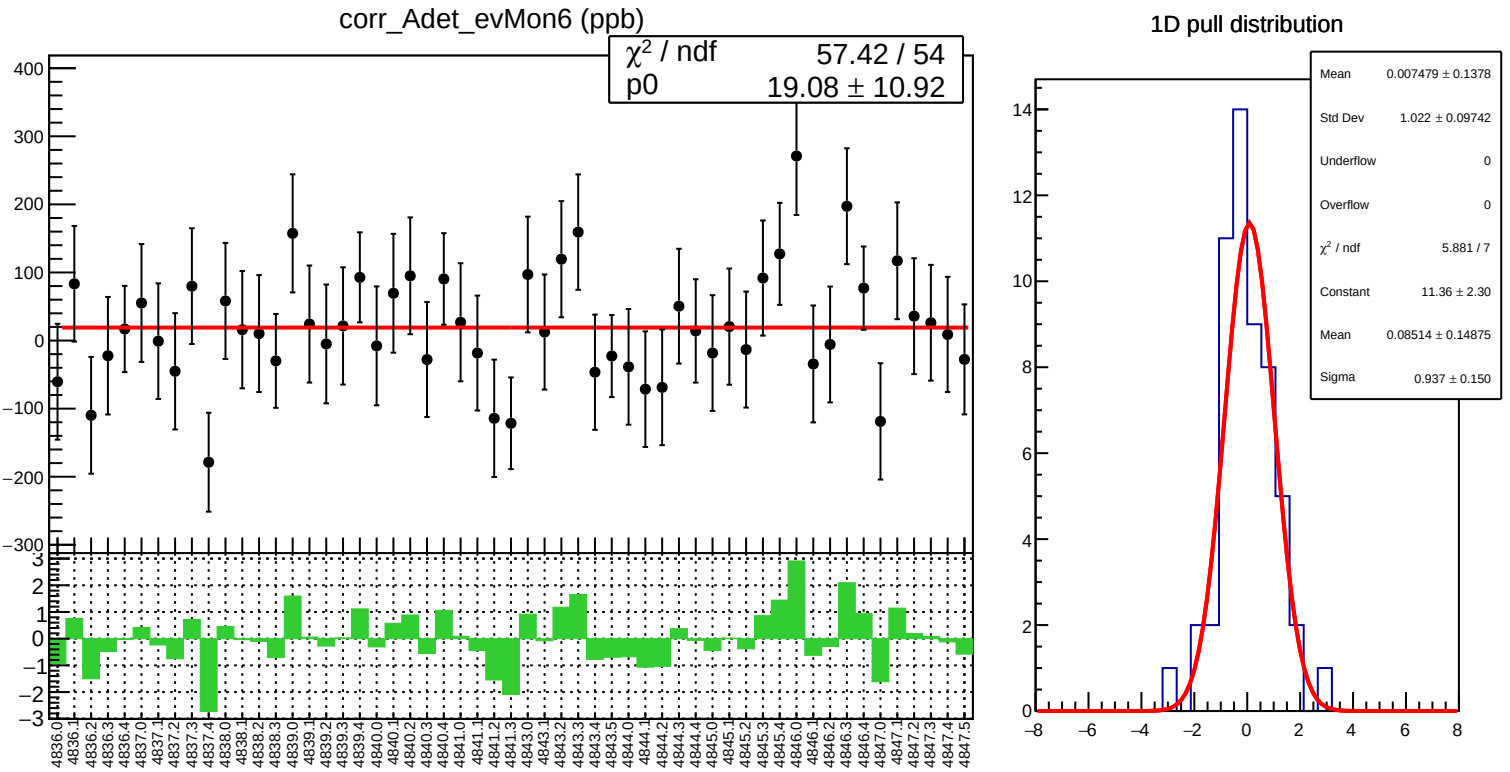

corr_Adet_evMon4 (ppb)
χ² / ndf 33.99 / 54
p0 85.07 ± 67.93
1D pull distribution
Mean −0.01079 ± 0.106
Std Dev 0.7861 ± 0.07495
Underflow 0
Overflow 0
χ² / ndf 2.646 / 5
Constant 13.65 ± 2.45
Mean 0.01359 ± 0.12227
Sigma 0.8232 ± 0.1011

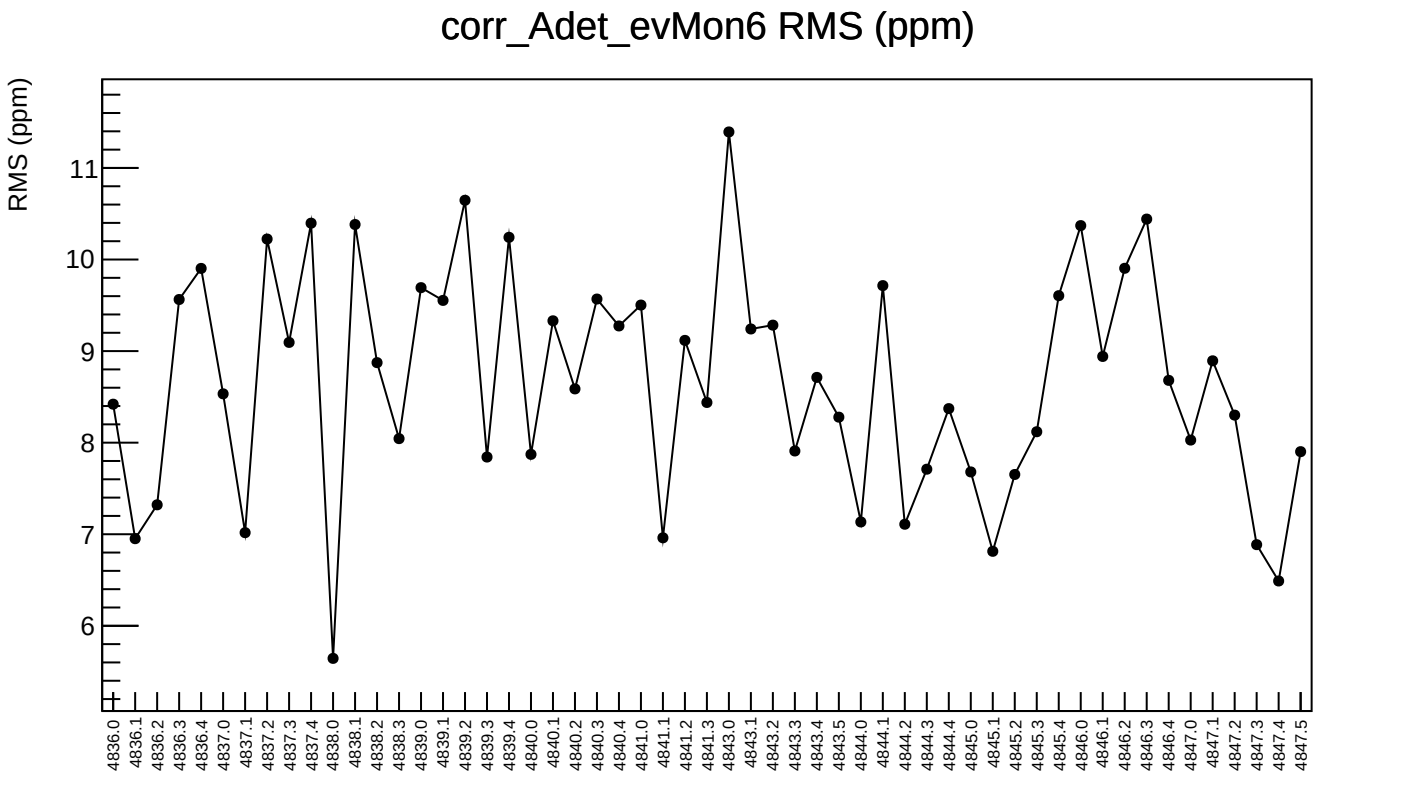

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
43
42
41
40
39
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

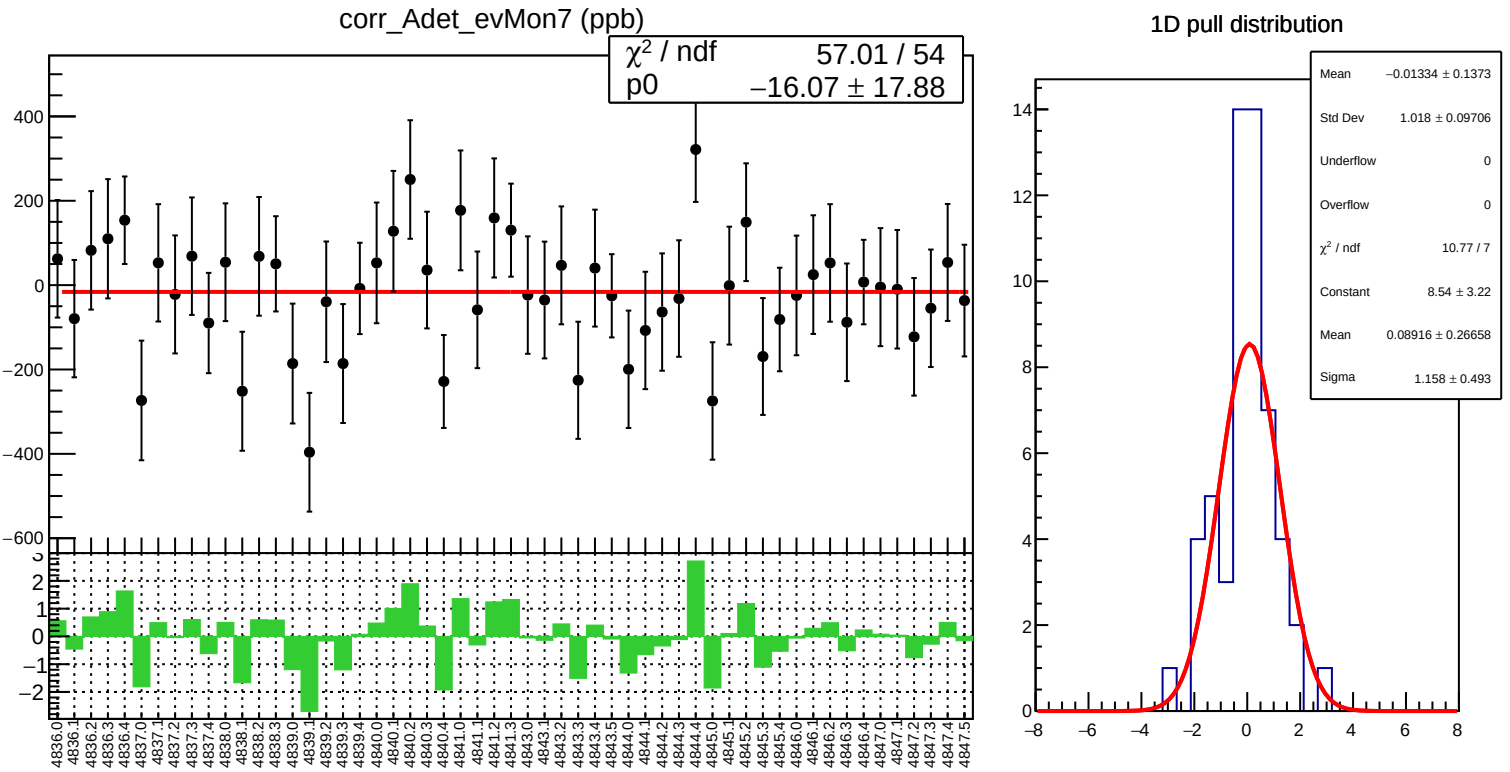

corr_Adet_evMon5 (ppb)
χ² / ndf 26.55 / 54
p0 0.4409 ± 3.335

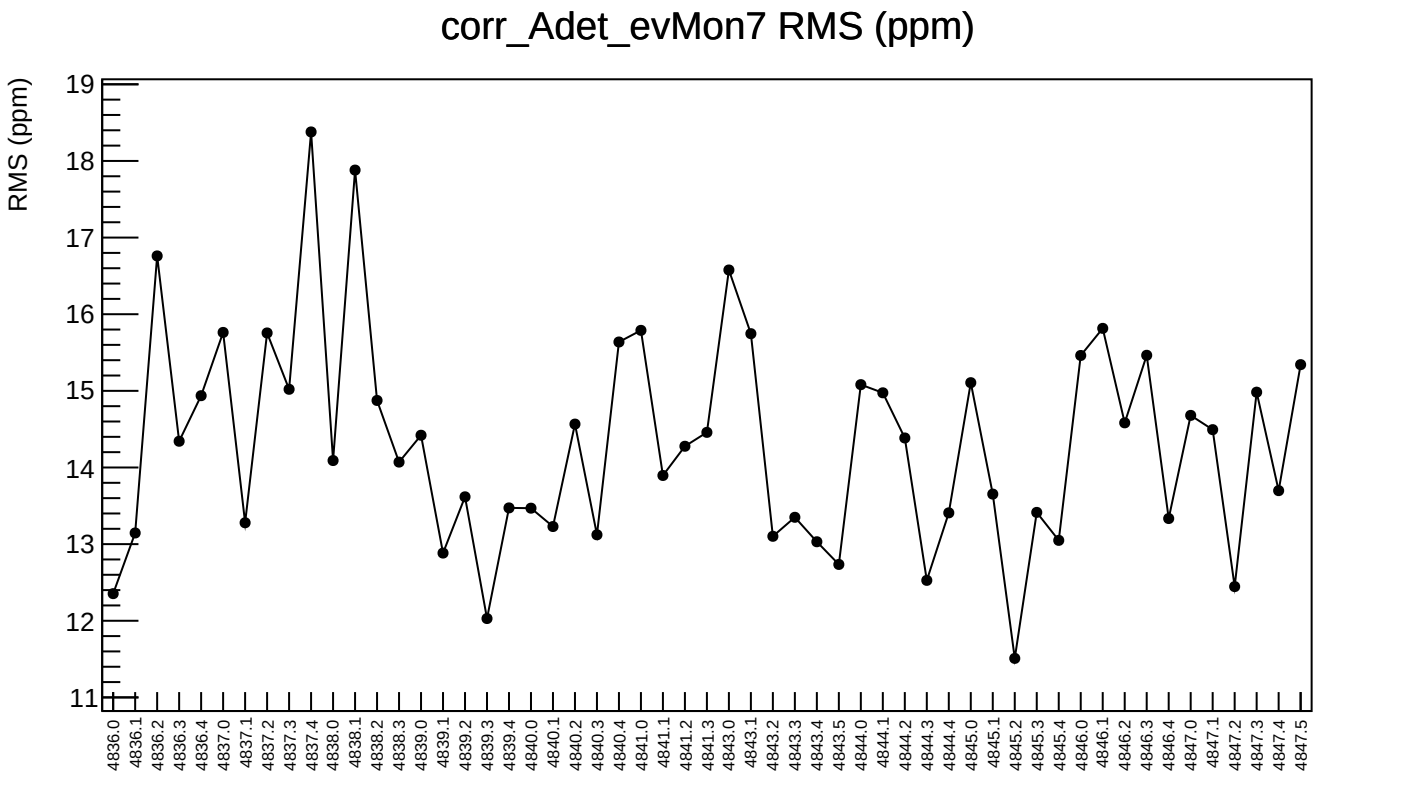

1D pull distribution
Mean −0.01823 ± 0.09365
Std Dev 0.6945 ± 0.06622
Underflow 0
Overflow 0
χ² / ndf 2.95 / 3
Constant 20.09 ± 3.88
Mean 0.1414 ± 0.1052
Sigma 0.5802 ± 0.1041

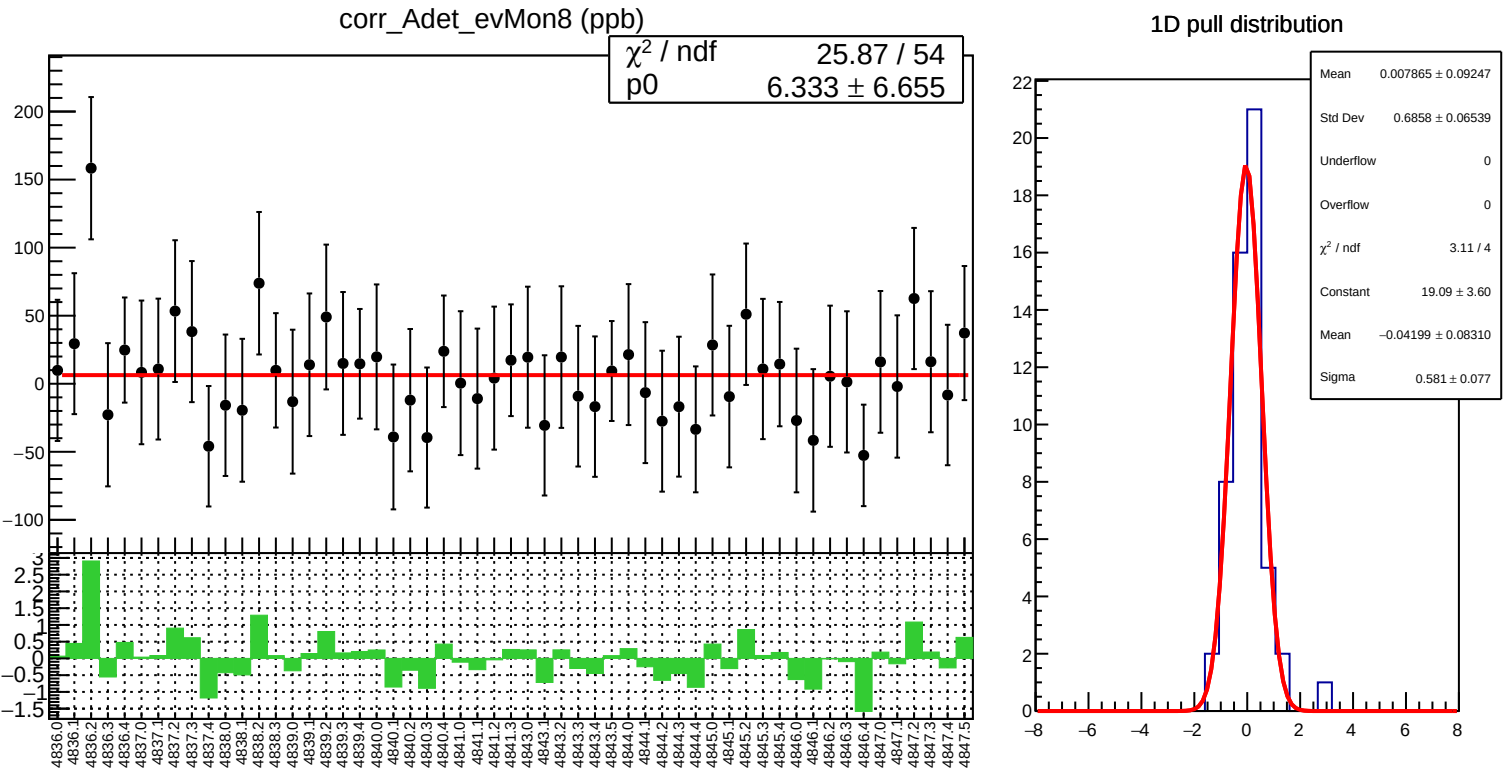

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

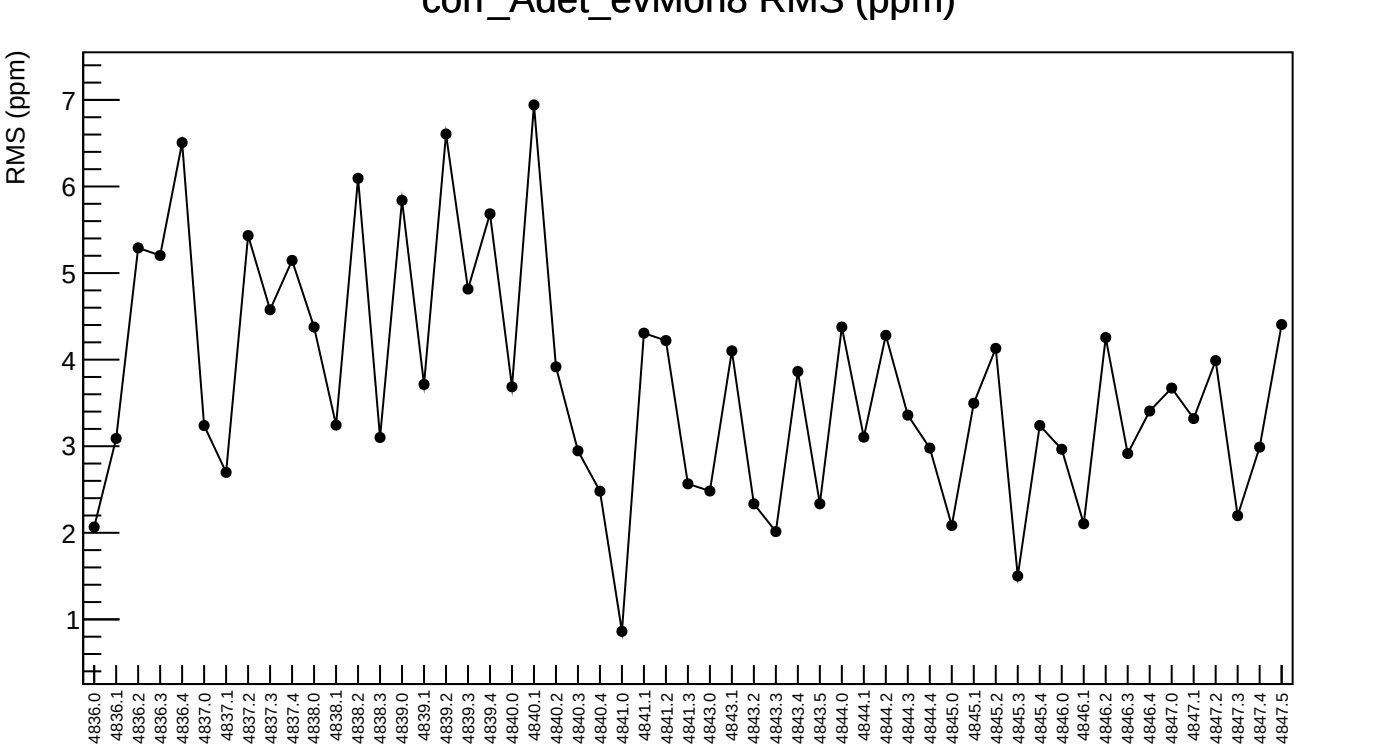

corr_Adet_evMon6 (ppb)
χ² / ndf 57.42 / 54
p0 19.08 ± 10.92
1D pull distribution
Mean 0.007479 ± 0.1378
Std Dev 1.022 ± 0.09742
Underflow 0
Overflow 0
χ² / ndf 5.881 / 7
Constant 11.36 ± 2.30
Mean 0.08514 ± 0.14875
Sigma 0.937 ± 0.150

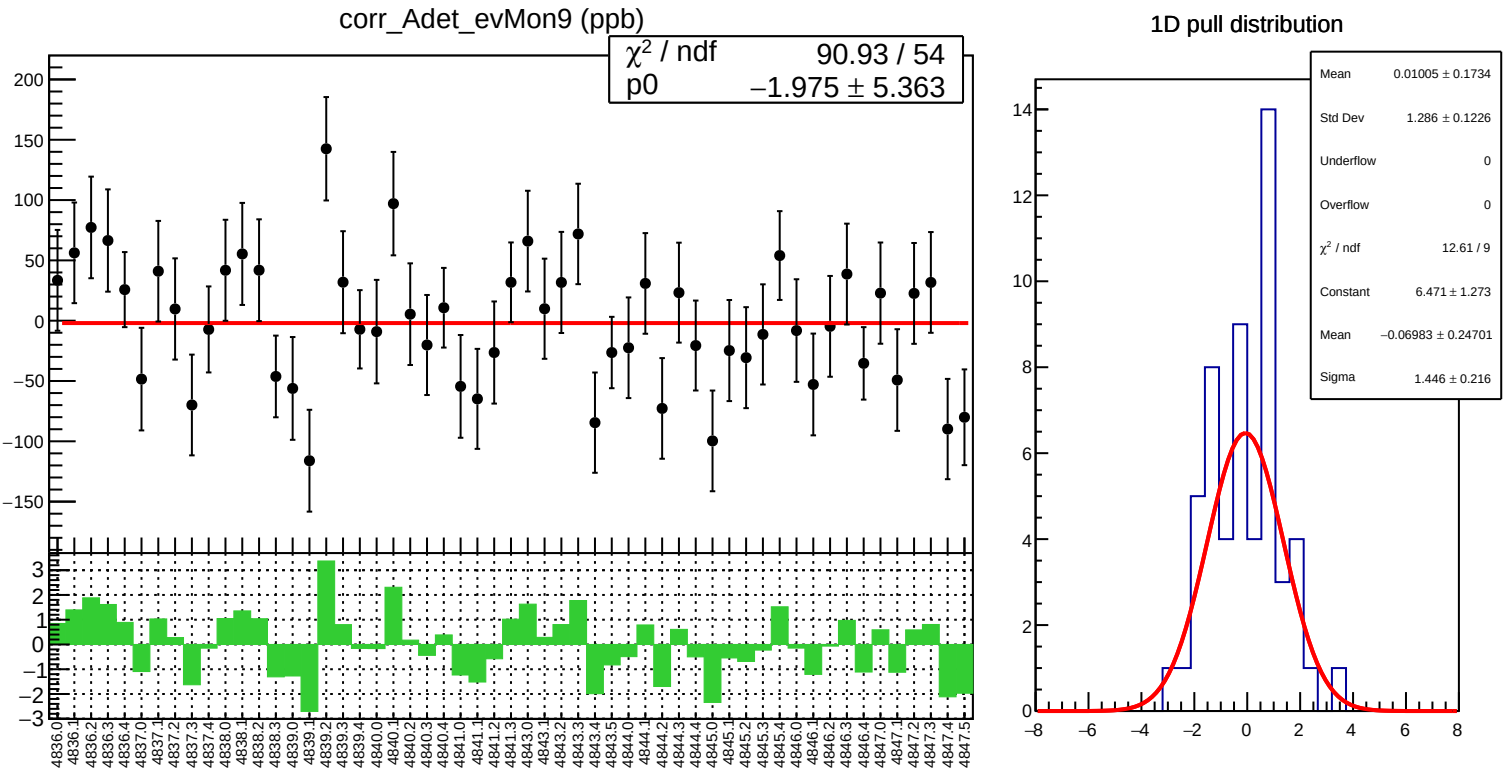

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

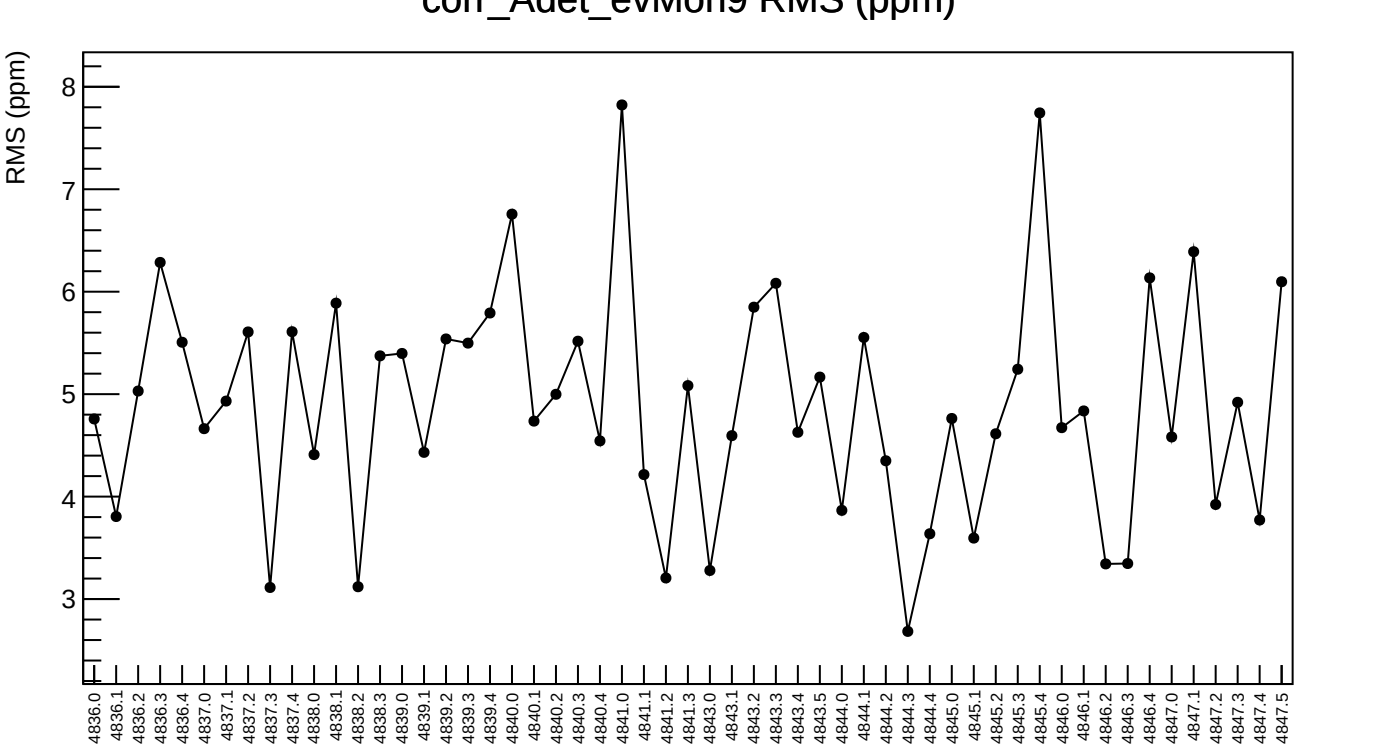

corr_Adet_evMon7 (ppb)
χ² / ndf 57.01 / 54
p0 −16.07 ± 17.88
1D pull distribution
Mean −0.01334 ± 0.1373
Std Dev 1.018 ± 0.09706
Underflow 0
Overflow 0
χ² / ndf 10.77 / 7
Constant 8.54 ± 3.22
Mean 0.08916 ± 0.26658
Sigma 1.158 ± 0.493

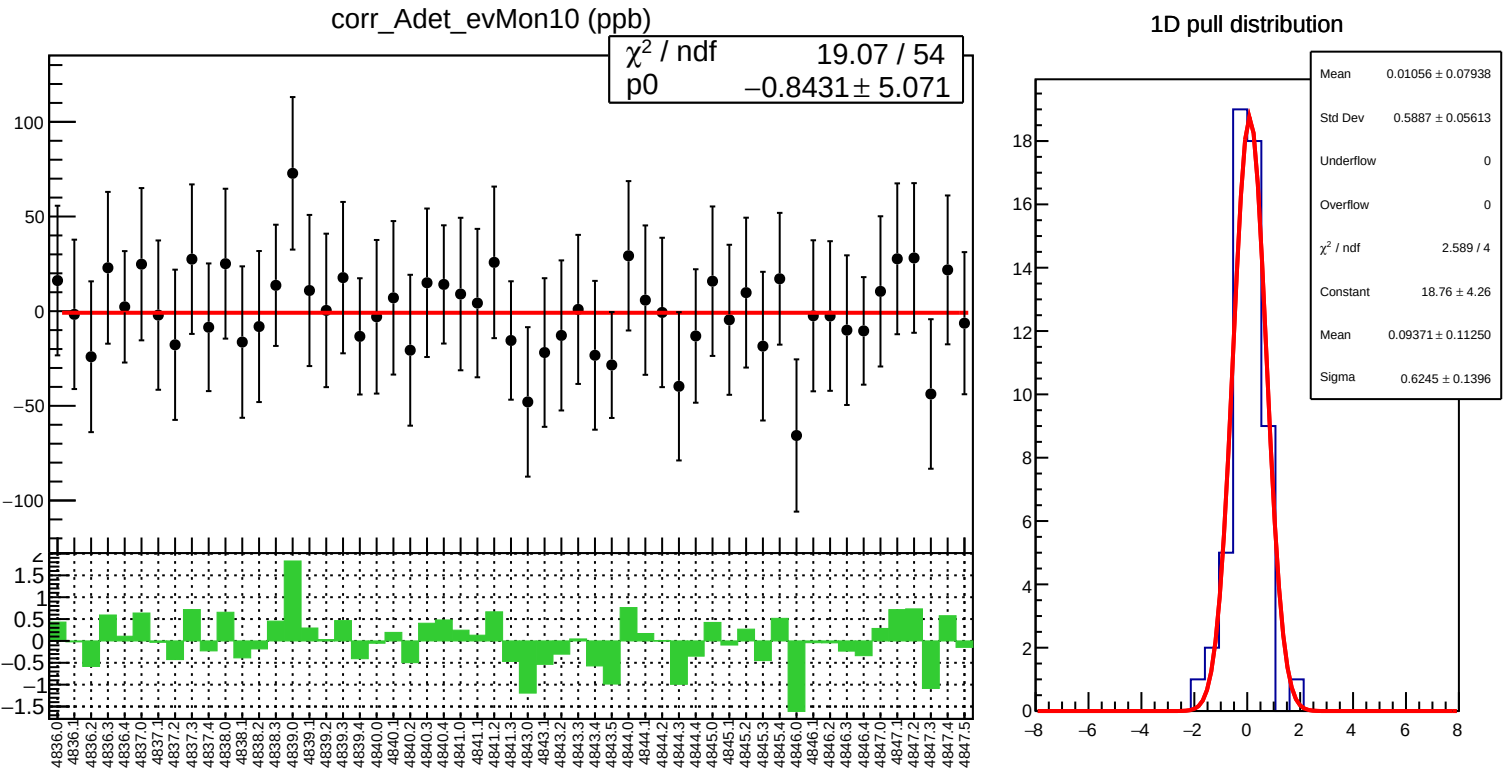

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
19
18
17
16
15
14
13
12
11
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

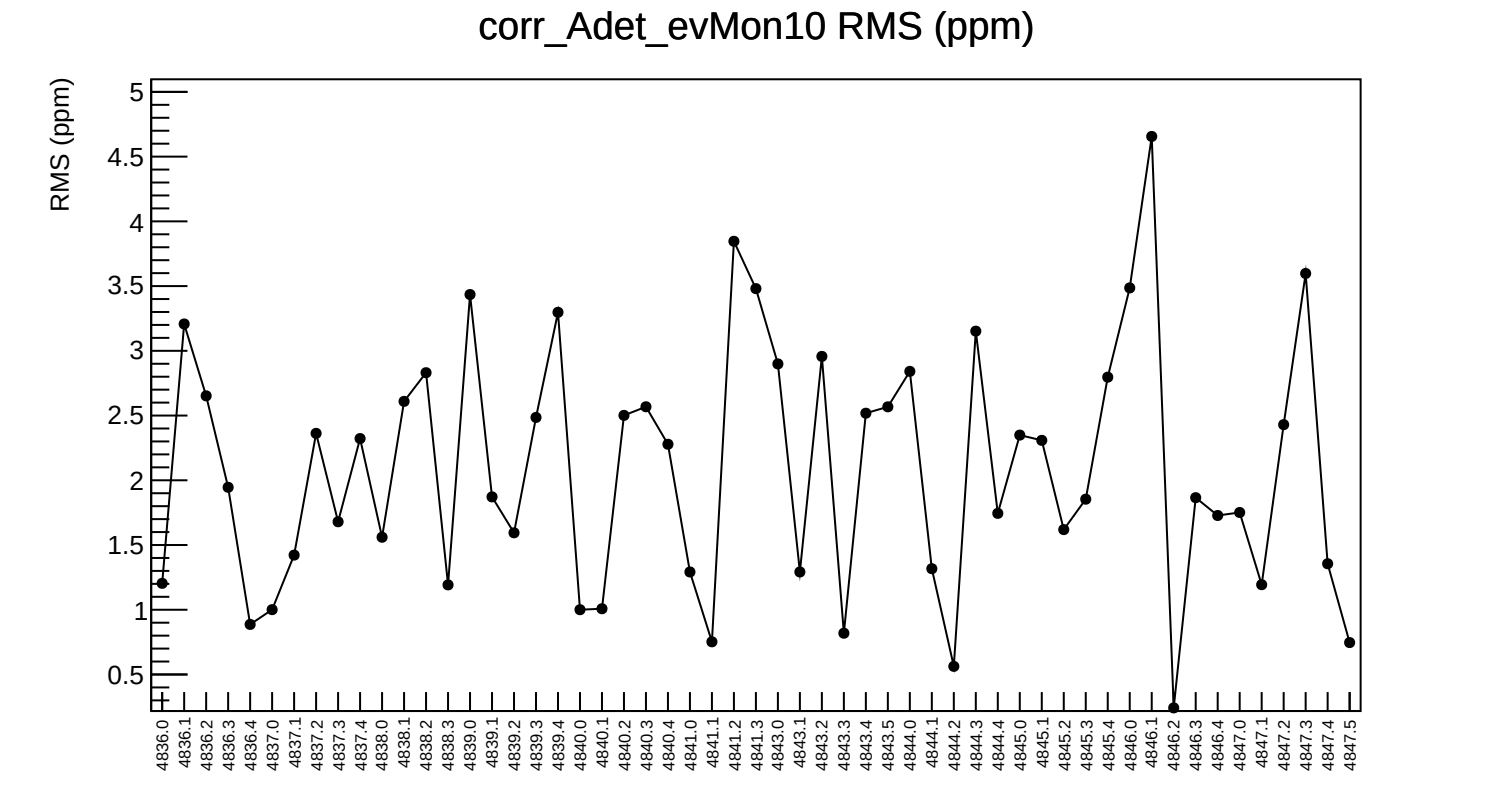

corr_Adet_evMon8 (ppb)
χ² / ndf 25.87 / 54
p0 6.333 ± 6.655
1D pull distribution
Mean 0.007865 ± 0.09247
Std Dev 0.6858 ± 0.06539
Underflow 0
Overflow 0
χ² / ndf 3.11 / 4
Constant 19.09 ± 3.60
Mean −0.04199 ± 0.08310
Sigma 0.581 ± 0.077

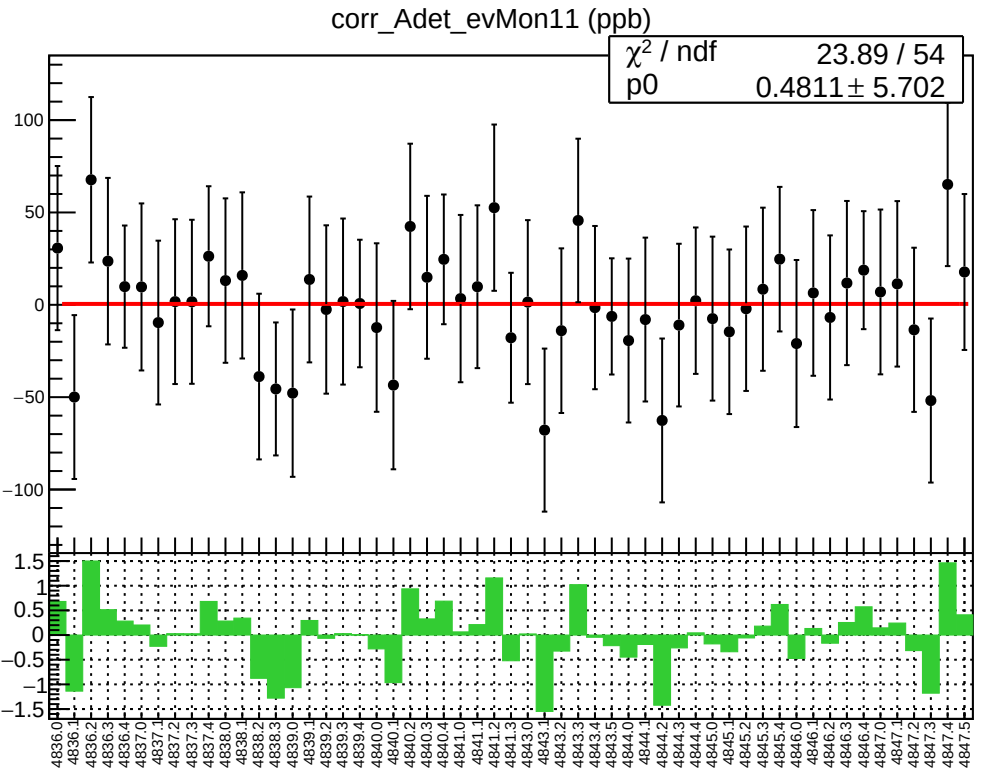

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

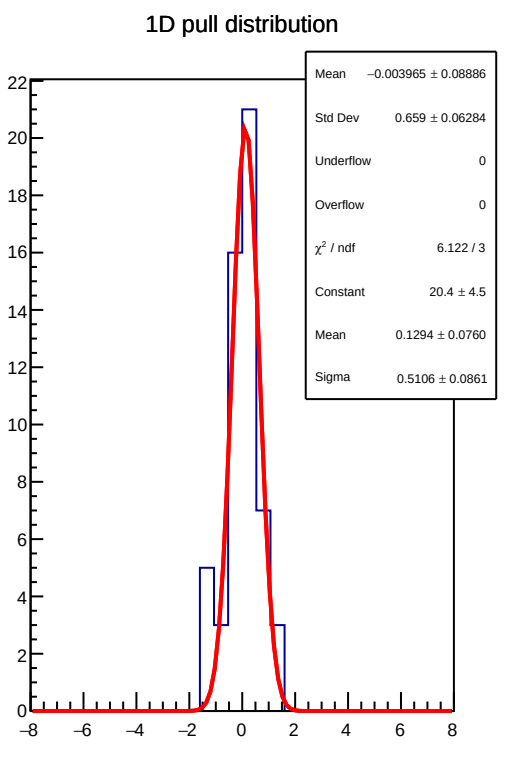

corr_Adet_evMon9 (ppb)
χ² / ndf 90.93 / 54
p0 −1.975 ± 5.363
1D pull distribution
Mean 0.01005 ± 0.1734
Std Dev 1.286 ± 0.1226
Underflow 0
Overflow 0
χ² / ndf 12.61 / 9
Constant 6.471 ± 1.273
Mean −0.06983 ± 0.24701
Sigma 1.446 ± 0.216

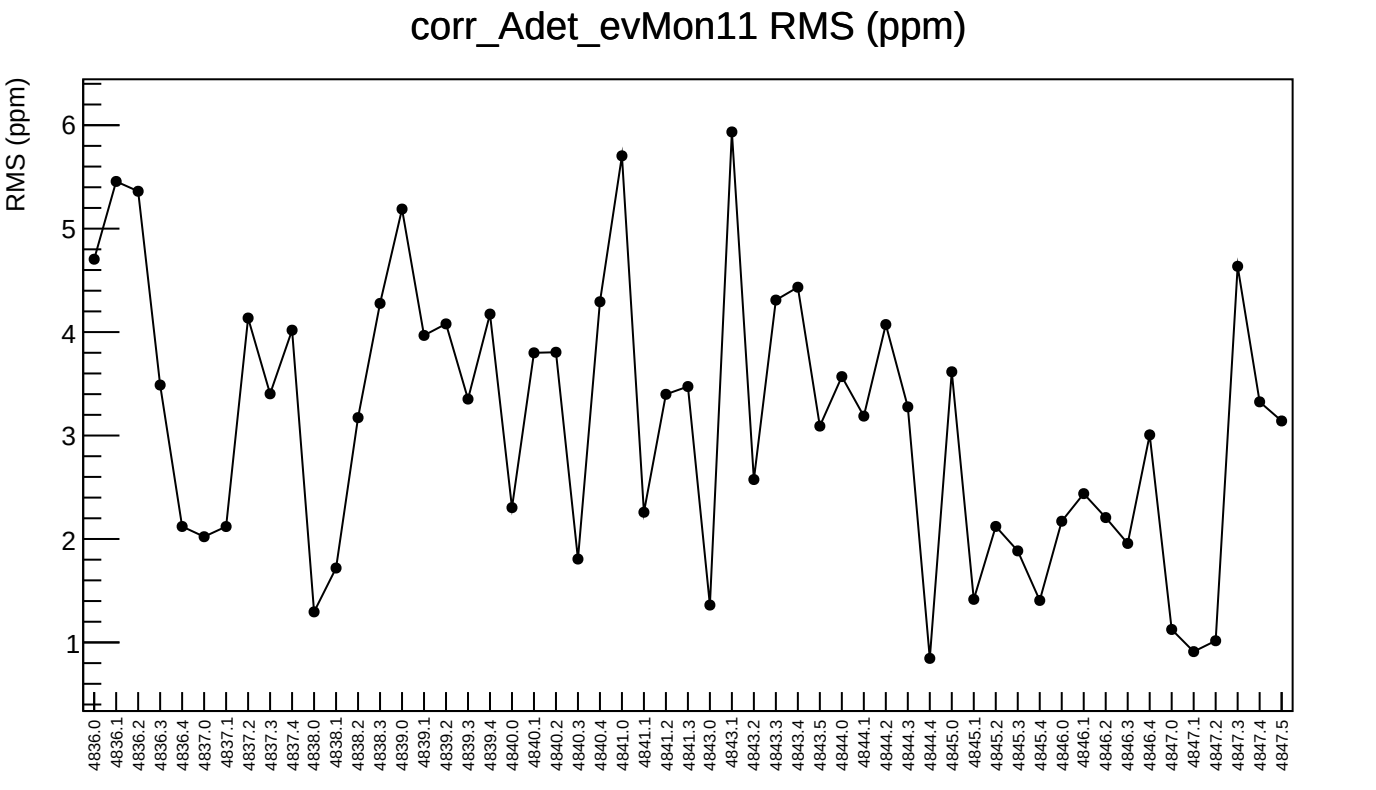

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

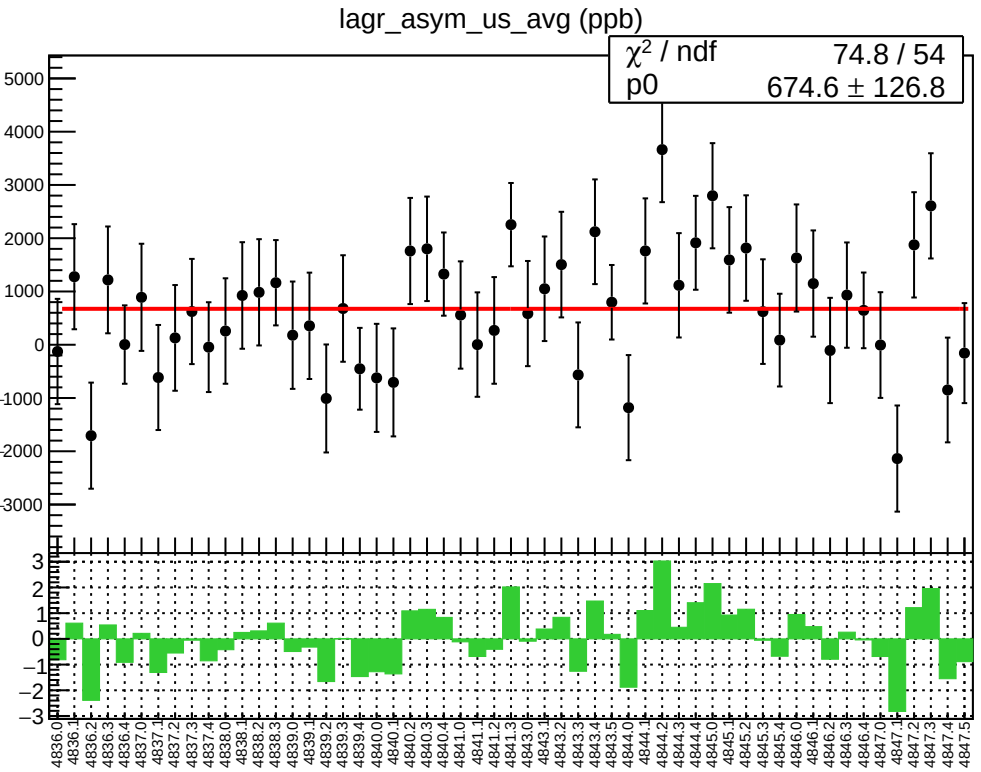

corr_Adet_evMon10 (ppb)
χ² / ndf 19.07 / 54
p0 −0.8431 ± 5.071
1D pull distribution
Mean 0.01056 ± 0.07938
Std Dev 0.5887 ± 0.05613
Underflow 0
Overflow 0
χ² / ndf 2.589 / 4
Constant 18.76 ± 4.26
Mean 0.09371 ± 0.11250
Sigma 0.6245 ± 0.1396

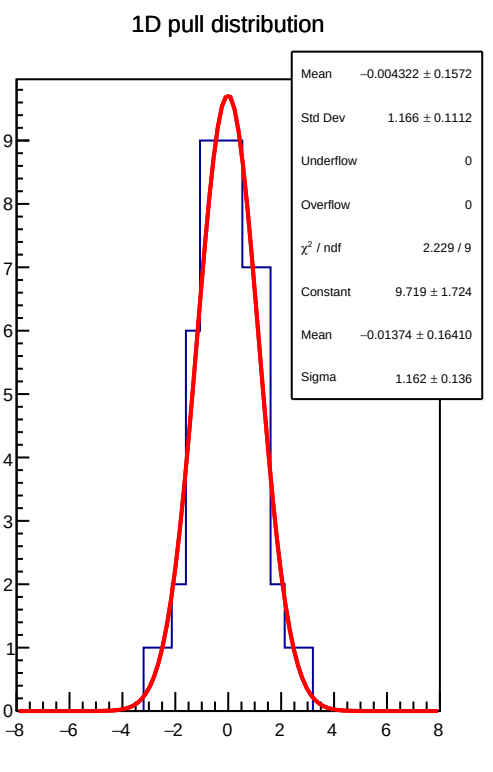

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

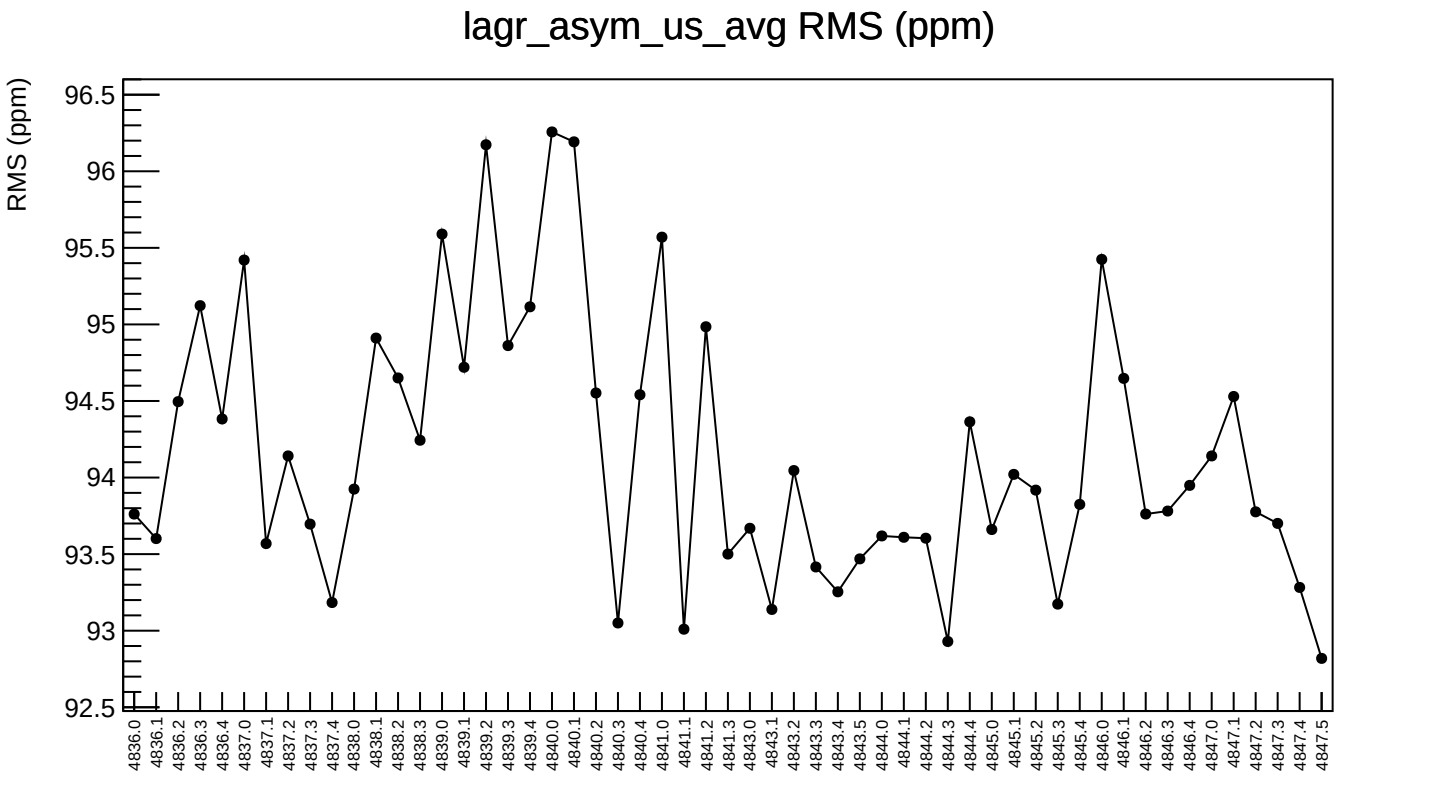

corr_Adet_evMon11 (ppb)
χ² / ndf 23.89 / 54
p0 0.4811 ± 5.702
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

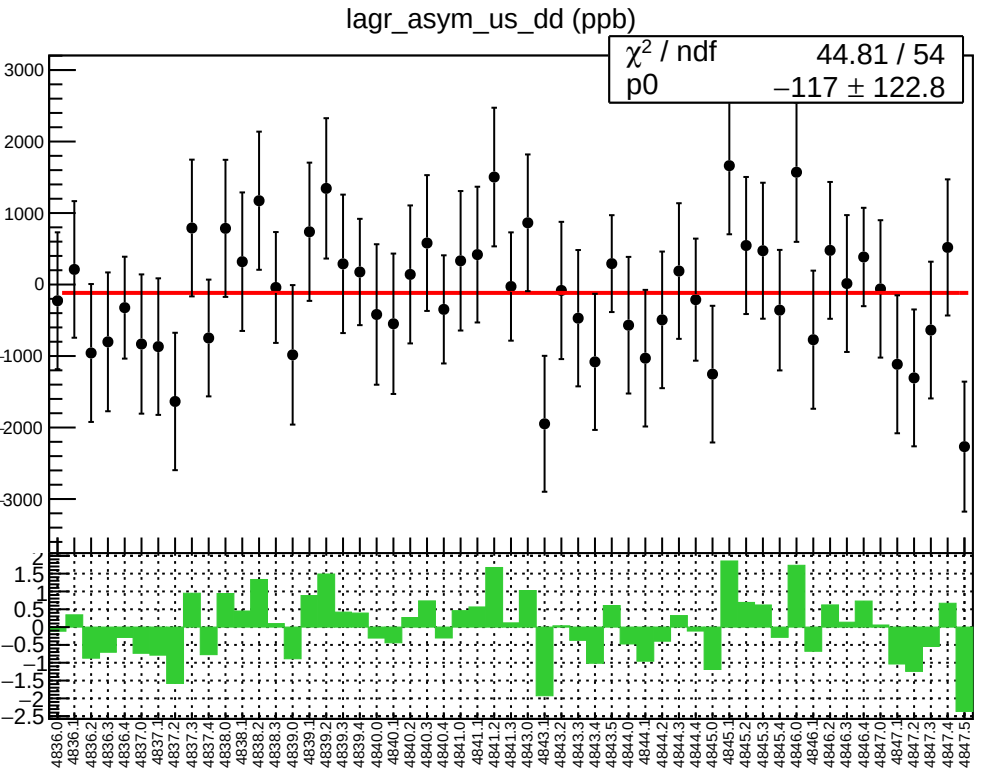

1D pull distribution
Mean −0.003965 ± 0.08886
Std Dev 0.659 ± 0.06284
Underflow 0
Overflow 0
χ² / ndf 6.122 / 3
Constant 20.4 ± 4.5
Mean 0.1294 ± 0.0760
Sigma 0.5106 ± 0.0861
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

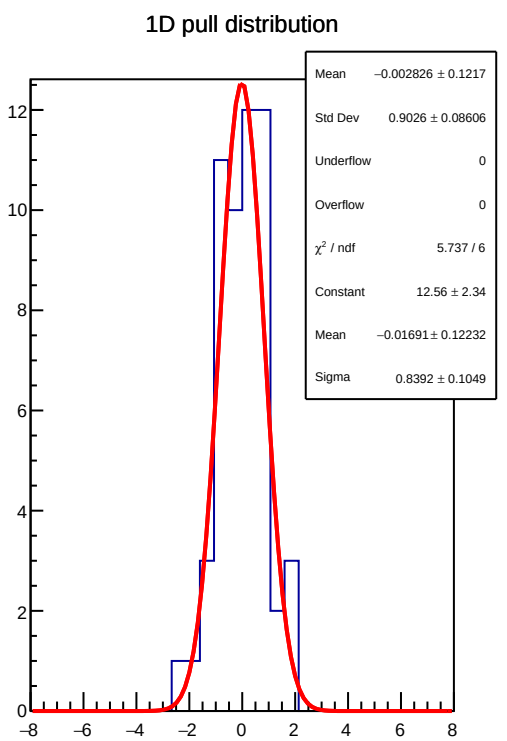

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

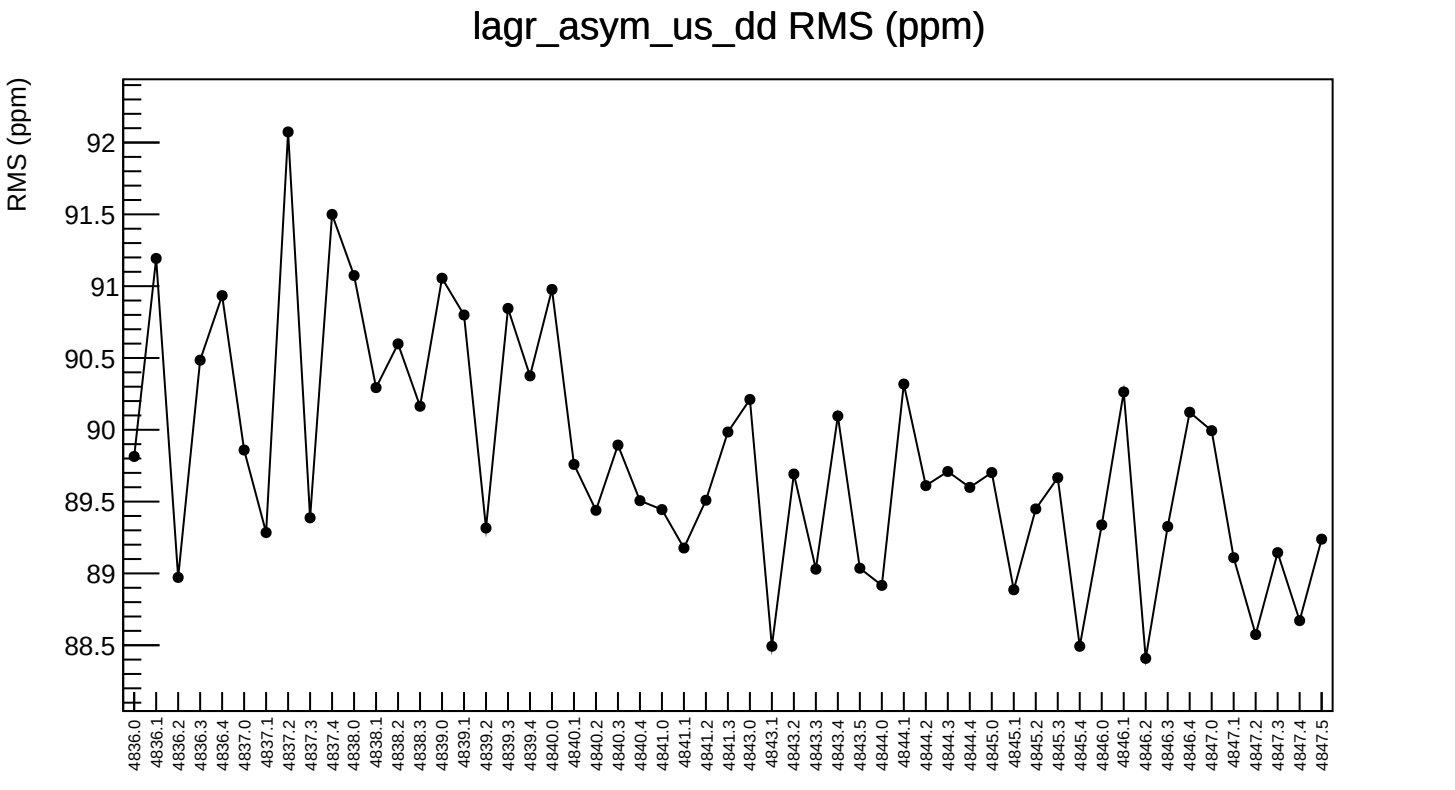

lagr_asym_us_avg (ppb)
χ² / ndf 74.8 / 54
p0 674.6 ± 126.8

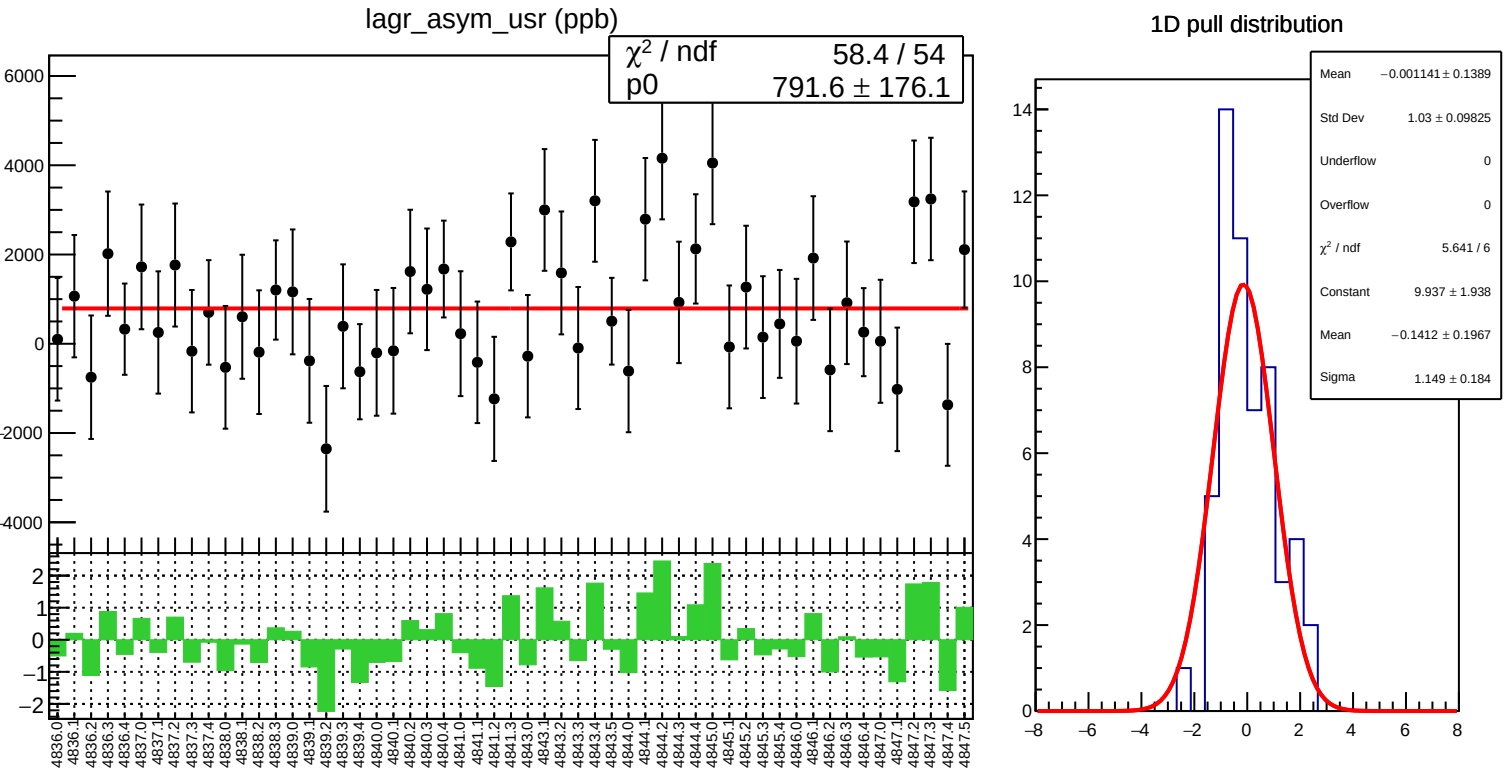

1D pull distribution
Mean −0.004322 ± 0.1572
Std Dev 1.166 ± 0.1112
Underflow 0
Overflow 0
χ² / ndf 2.229 / 9
Constant 9.719 ± 1.724
Mean −0.01374 ± 0.16410
Sigma 1.162 ± 0.136

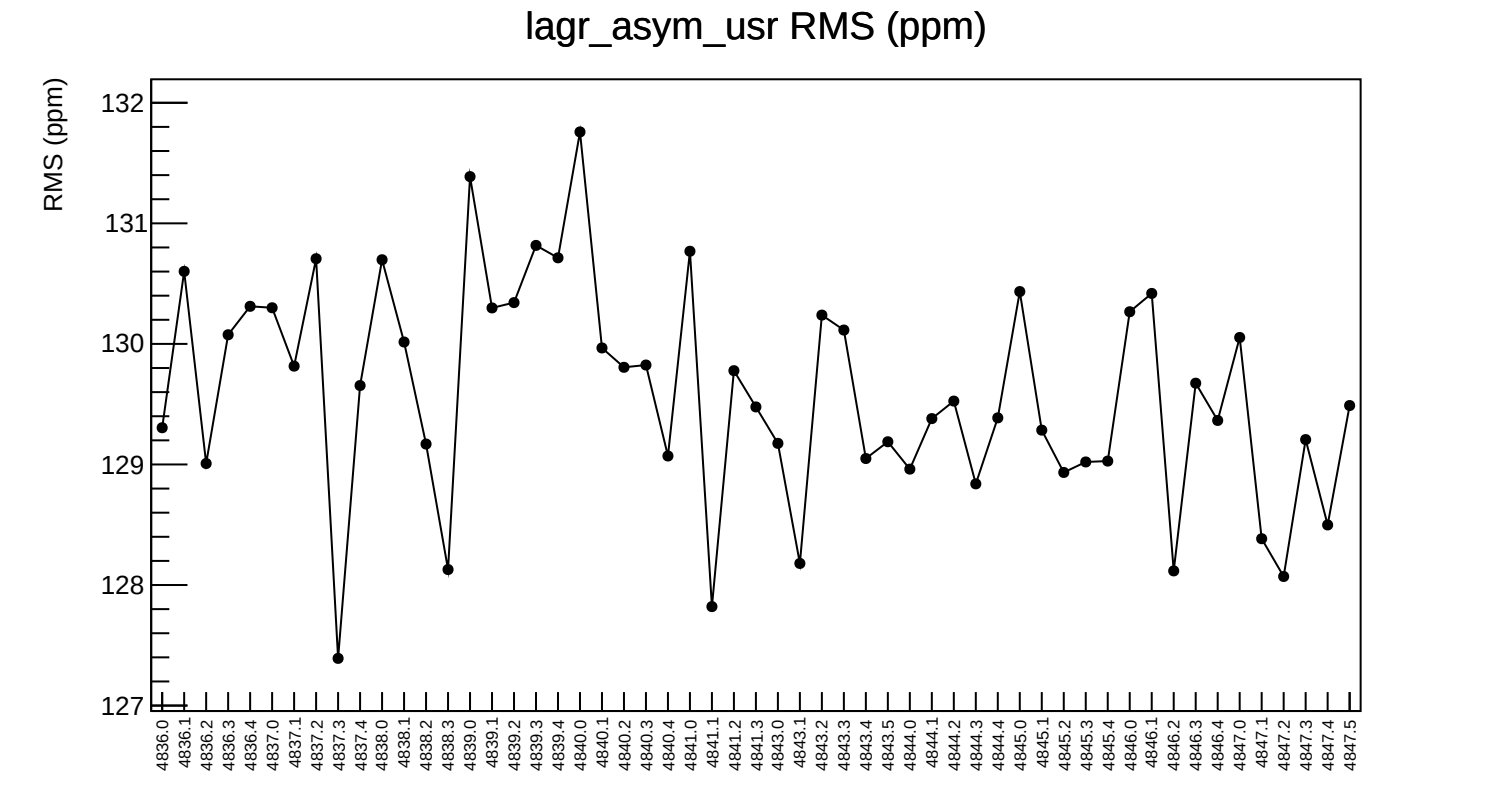

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
96.5
96
95.5
95
94.5
94
93.5
93
92.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

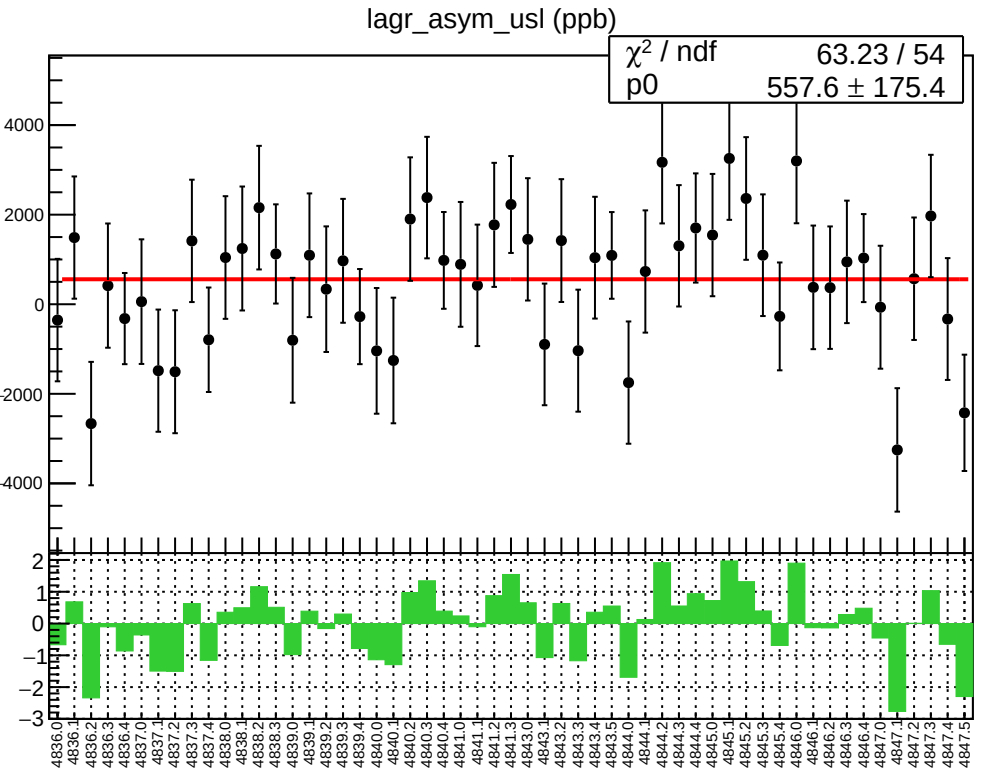

lagr_asym_us_dd (ppb)
χ² / ndf 44.81 / 54
p0 −117 ± 122.8

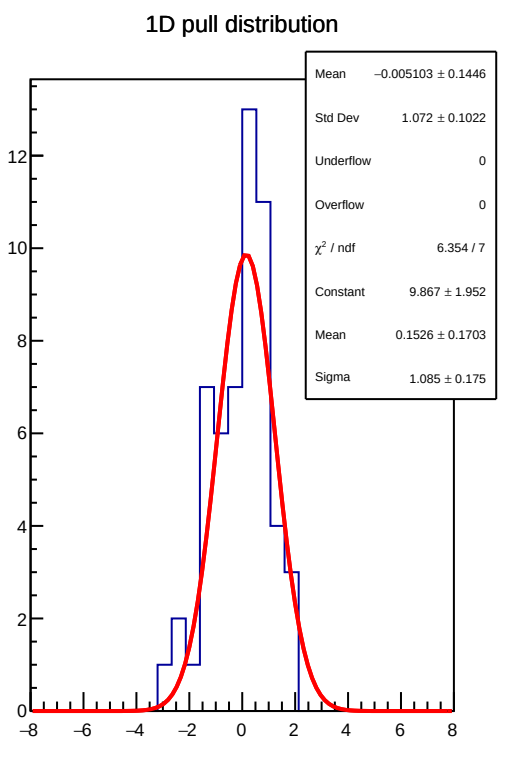

1D pull distribution
Mean −0.002826 ± 0.1217
Std Dev 0.9026 ± 0.08606
Underflow 0
Overflow 0
χ² / ndf 5.737 / 6
Constant 12.56 ± 2.34
Mean −0.01691 ± 0.12232
Sigma 0.8392 ± 0.1049

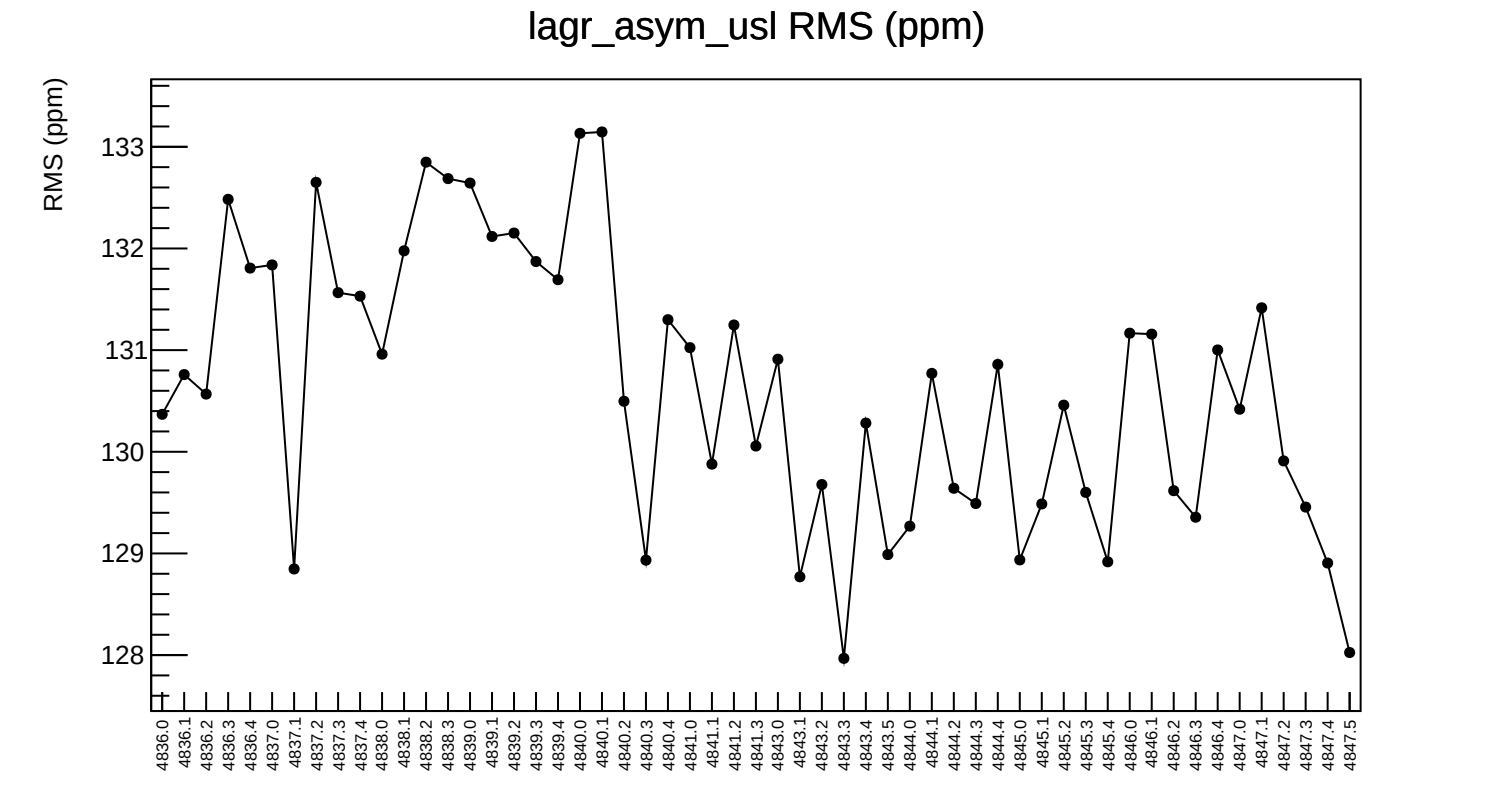

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
92
91.5
91
90.5
90
89.5
89
88.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

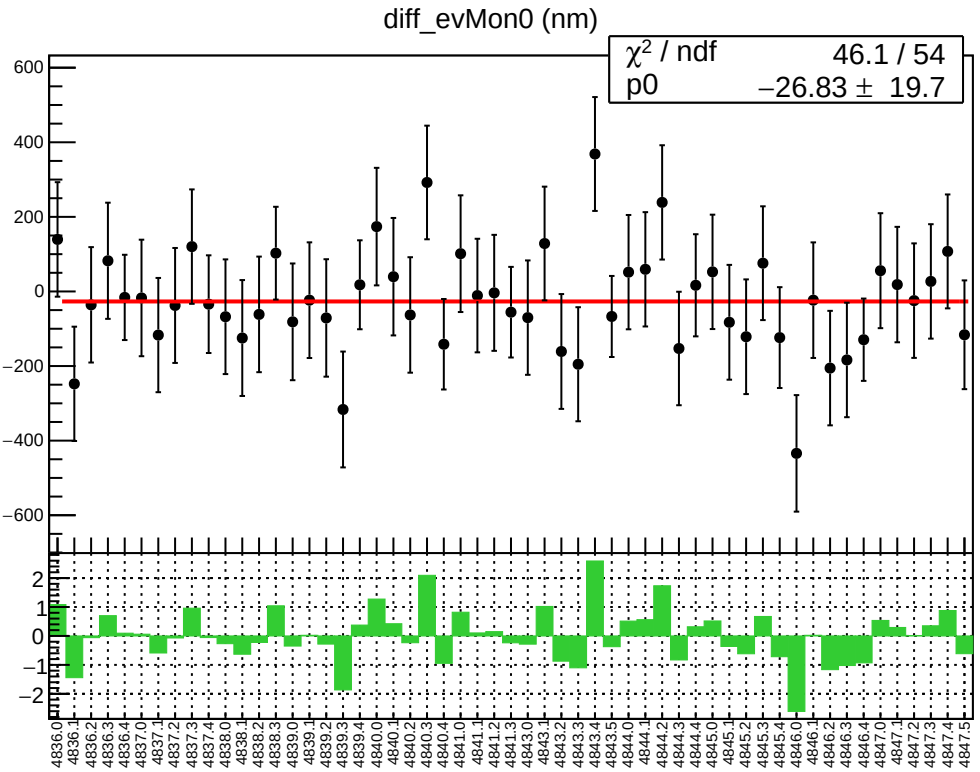

lagr_asym_usr (ppb)
χ² / ndf 58.4 / 54
p0 791.6 ± 176.1
1D pull distribution
Mean −0.001141 ± 0.1389
Std Dev 1.03 ± 0.09825
Underflow 0
Overflow 0
χ² / ndf 5.641 / 6
Constant 9.937 ± 1.938
Mean −0.1412 ± 0.1967
Sigma 1.149 ± 0.184

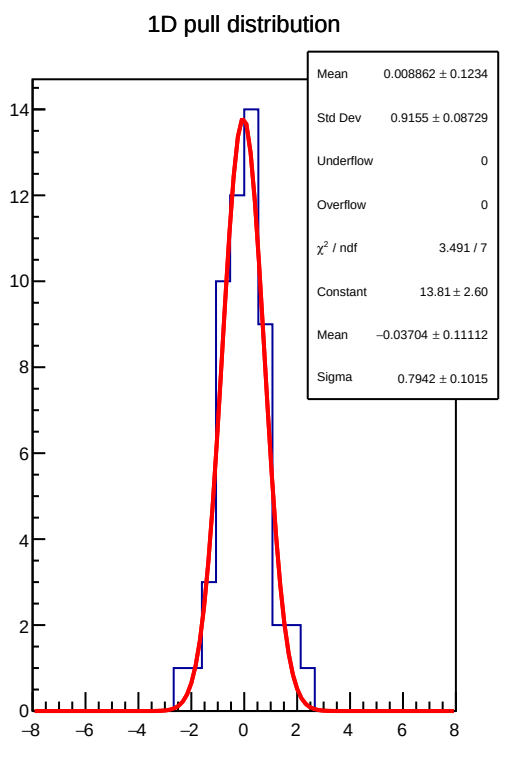

lagr_asym_usr RMS (ppm)
RMS (ppm)
132
131
130
129
128
127
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

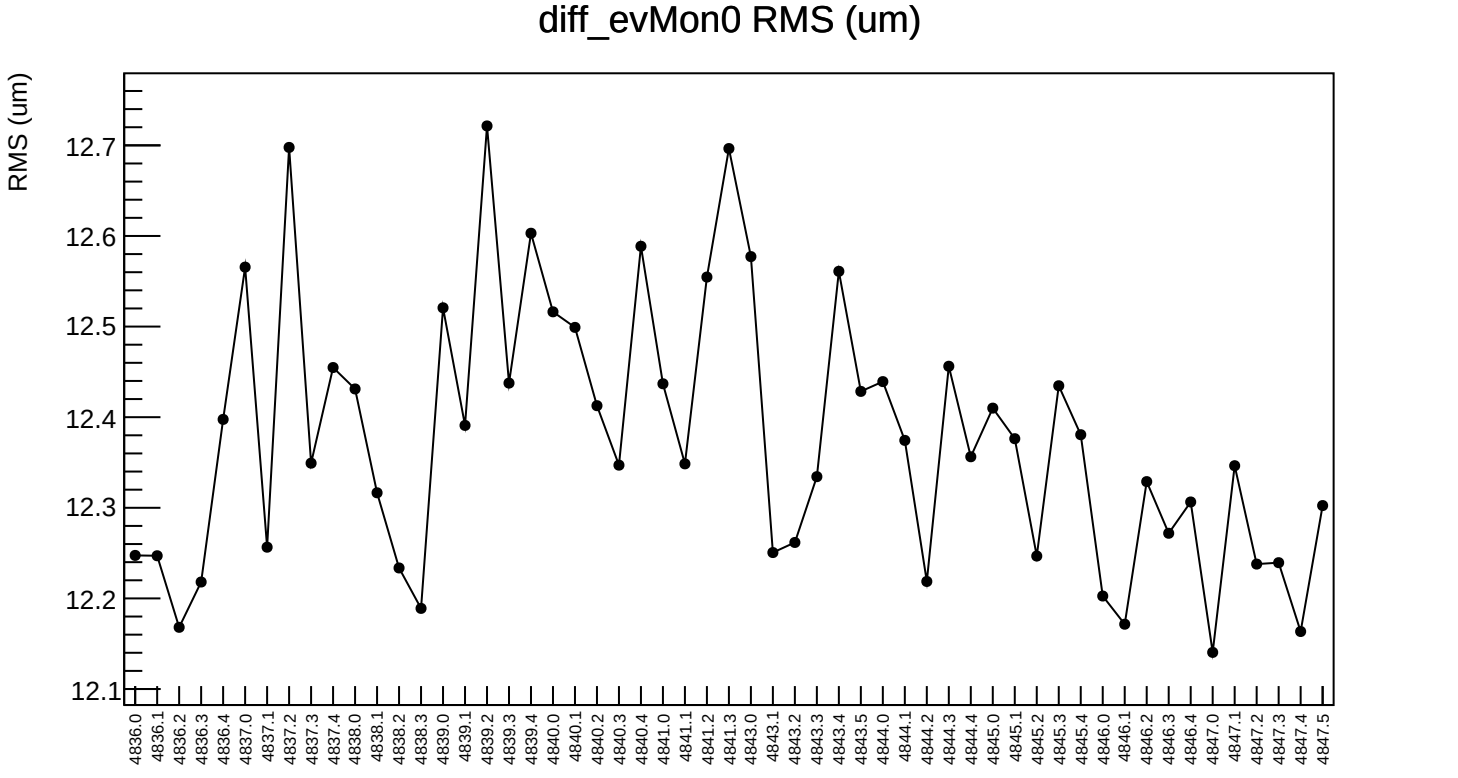

lagr_asym_usl (ppb)
χ² / ndf 63.23 / 54
p0 557.6 ± 175.4
4000
2000
0
-2000
-4000
2
1
0
−1
−2
−3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

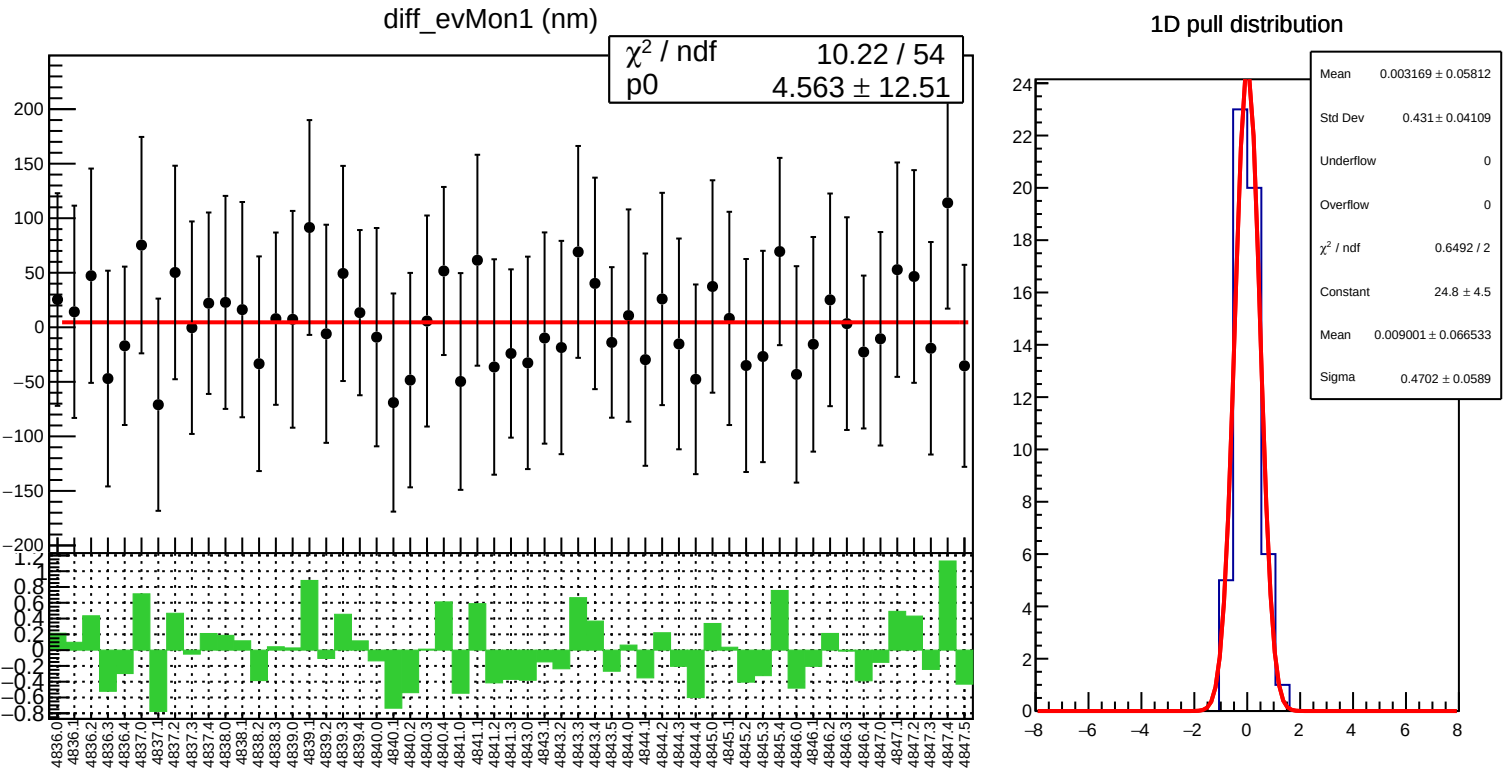

1D pull distribution
Mean −0.005103 ± 0.1446
Std Dev 1.072 ± 0.1022
Underflow 0
Overflow 0
χ² / ndf 6.354 / 7
Constant 9.867 ± 1.952
Mean 0.1526 ± 0.1703
Sigma 1.085 ± 0.175
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

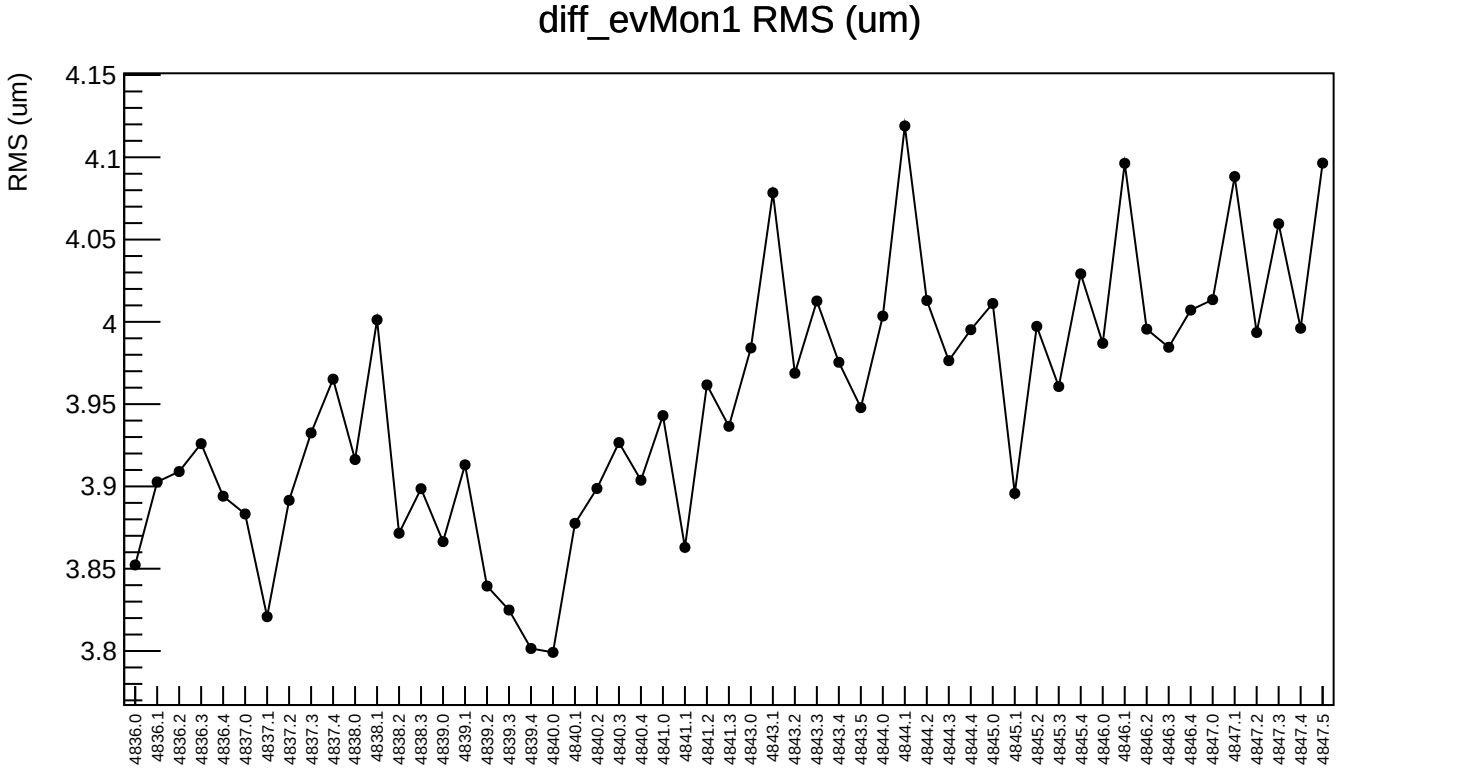

lagr_asym_usl RMS (ppm)
RMS (ppm)
133
132
131
130
129
128
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

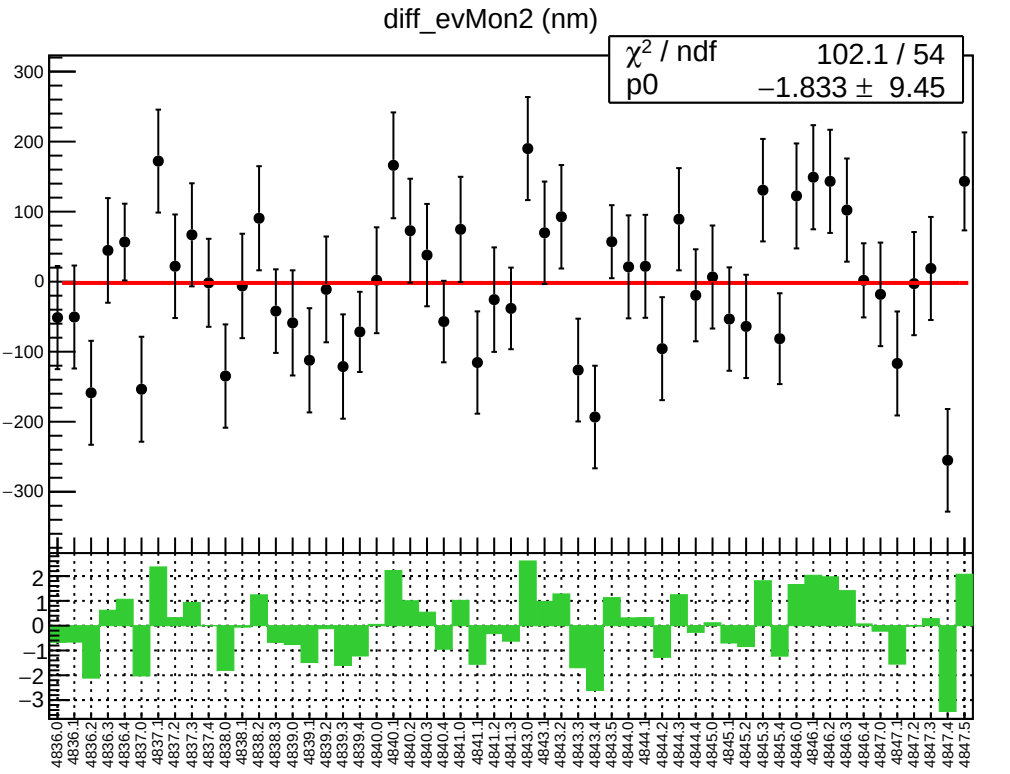

diff_evMon0 (nm)
χ² / ndf 46.1 / 54
p0 −26.83 ± 19.7
600
400
200
0
−200
−400
−600
2
1
0
−1
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

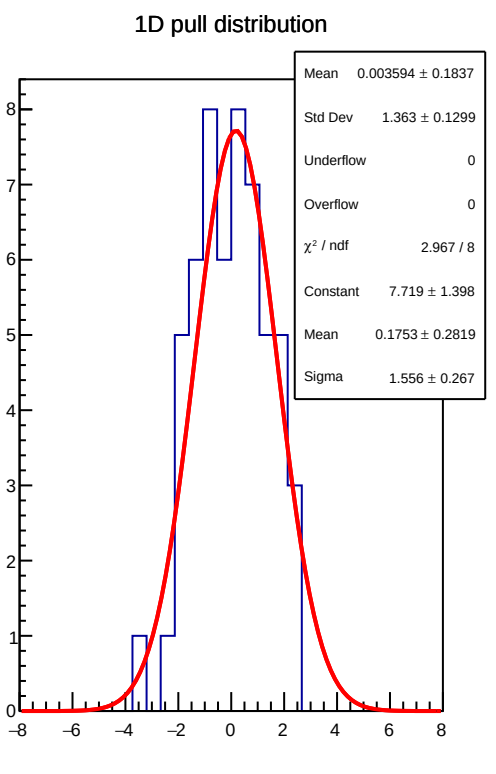

1D pull distribution
Mean 0.008862 ± 0.1234
Std Dev 0.9155 ± 0.08729
Underflow 0
Overflow 0
χ² / ndf 3.491 / 7
Constant 13.81 ± 2.60
Mean −0.03704 ± 0.11112
Sigma 0.7942 ± 0.1015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

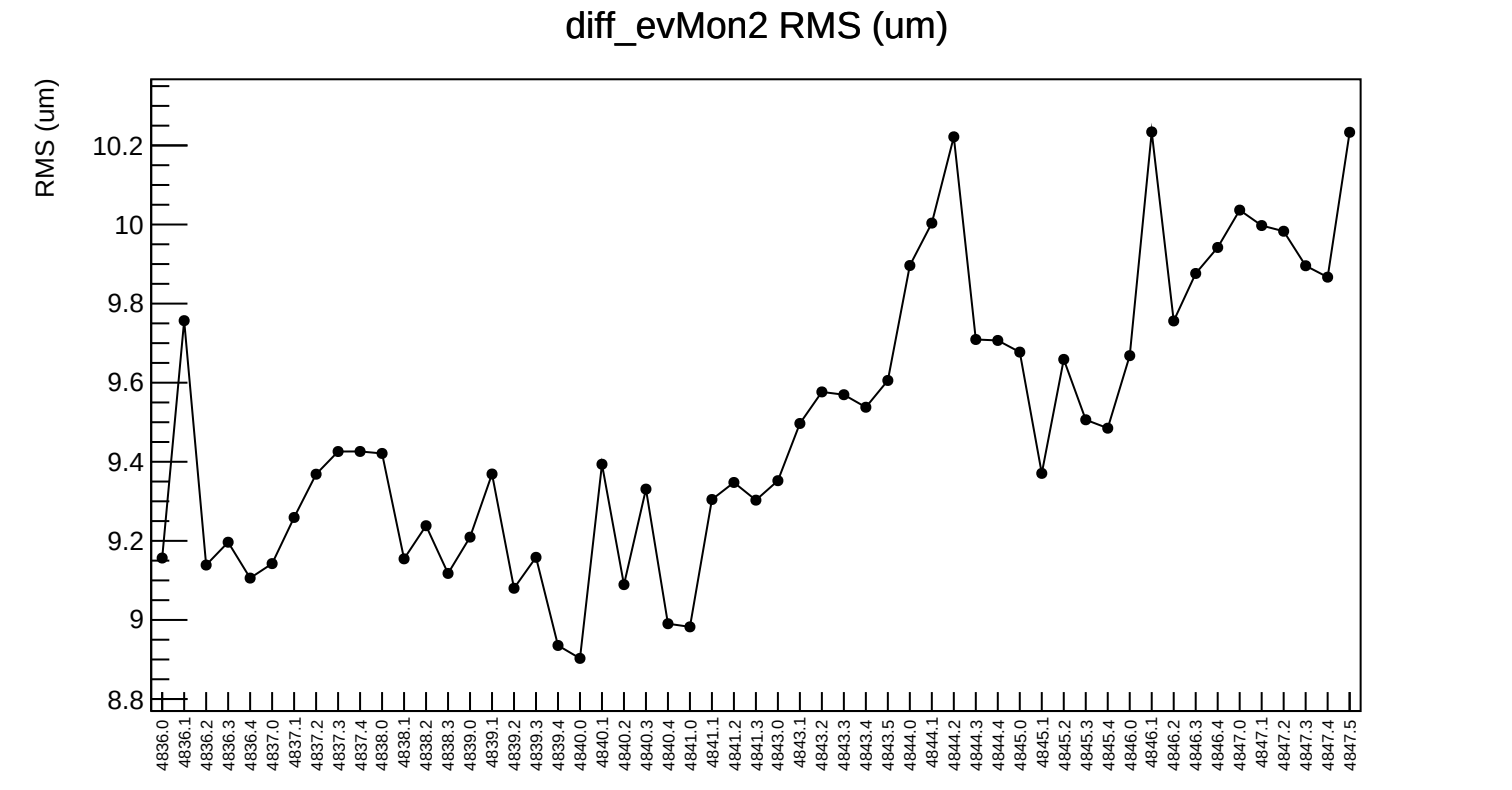

diff_evMon0 RMS (um)
RMS (um)
12.7
12.6
12.5
12.4
12.3
12.2
12.1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

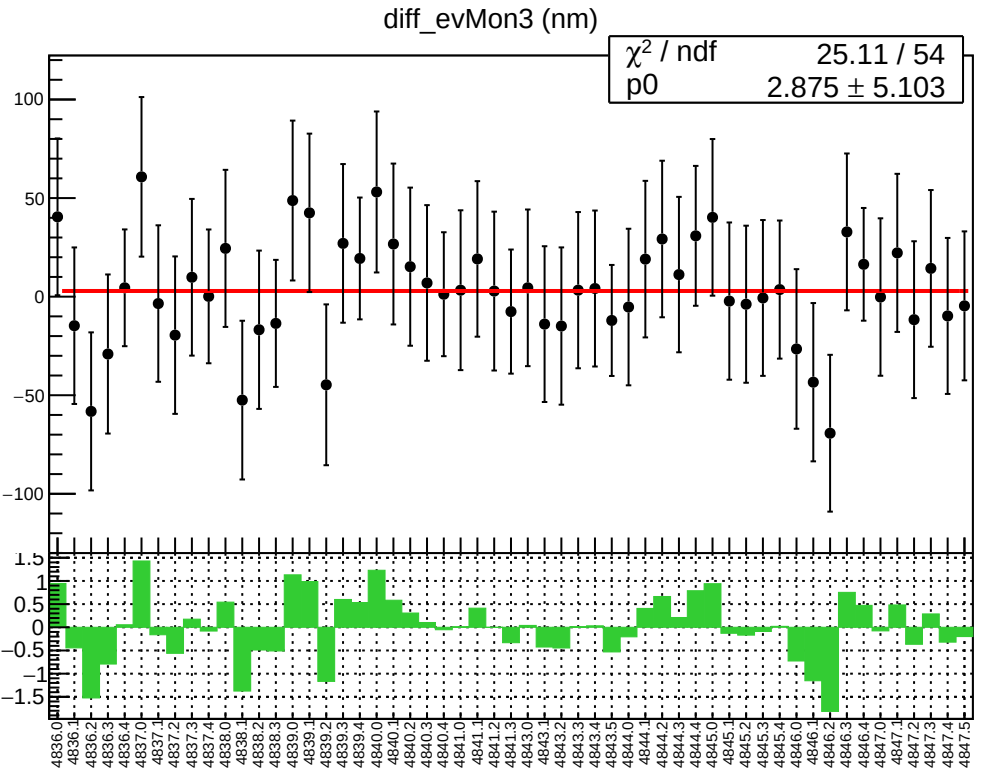

diff_evMon1 (nm)
χ² / ndf 10.22 / 54
p0 4.563 ± 12.51
1D pull distribution
Mean 0.003169 ± 0.05812
Std Dev 0.431 ± 0.04109
Underflow 0
Overflow 0
χ² / ndf 0.6492 / 2
Constant 24.8 ± 4.5
Mean 0.009001 ± 0.066533
Sigma 0.4702 ± 0.0589

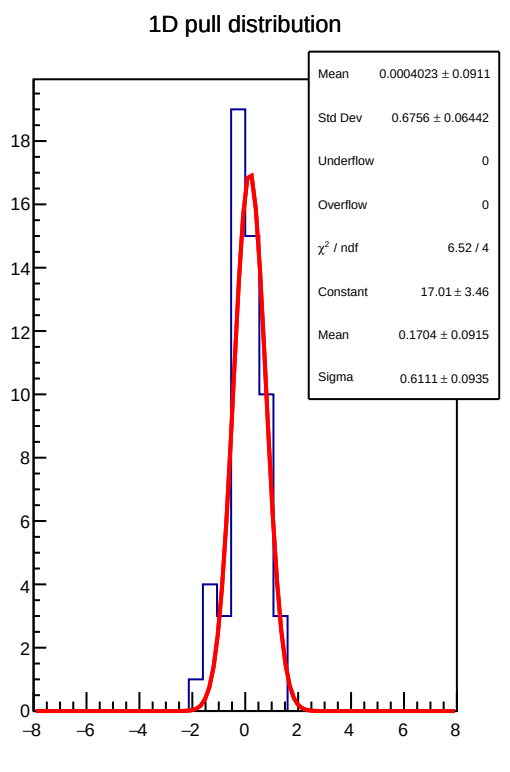

diff_evMon1 RMS (um)
RMS (um)
4.15
4.1
4.05
4
3.95
3.9
3.85
3.8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

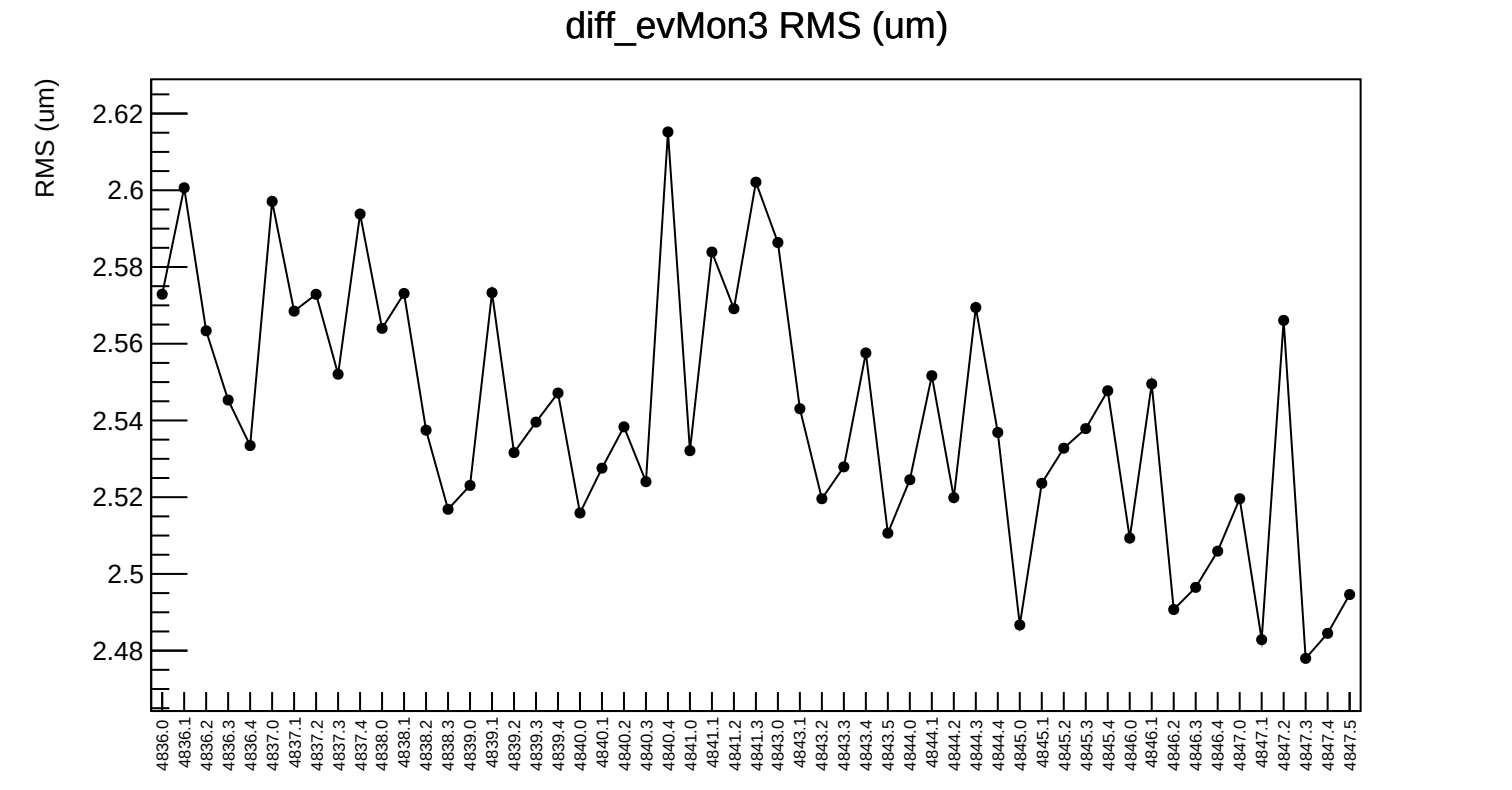

diff_evMon2 (nm)
χ² / ndf 102.1 / 54
p0 −1.833 ± 9.45
300
200
100
0
−100
−200
−300
2
1
0
−1
−2
−3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

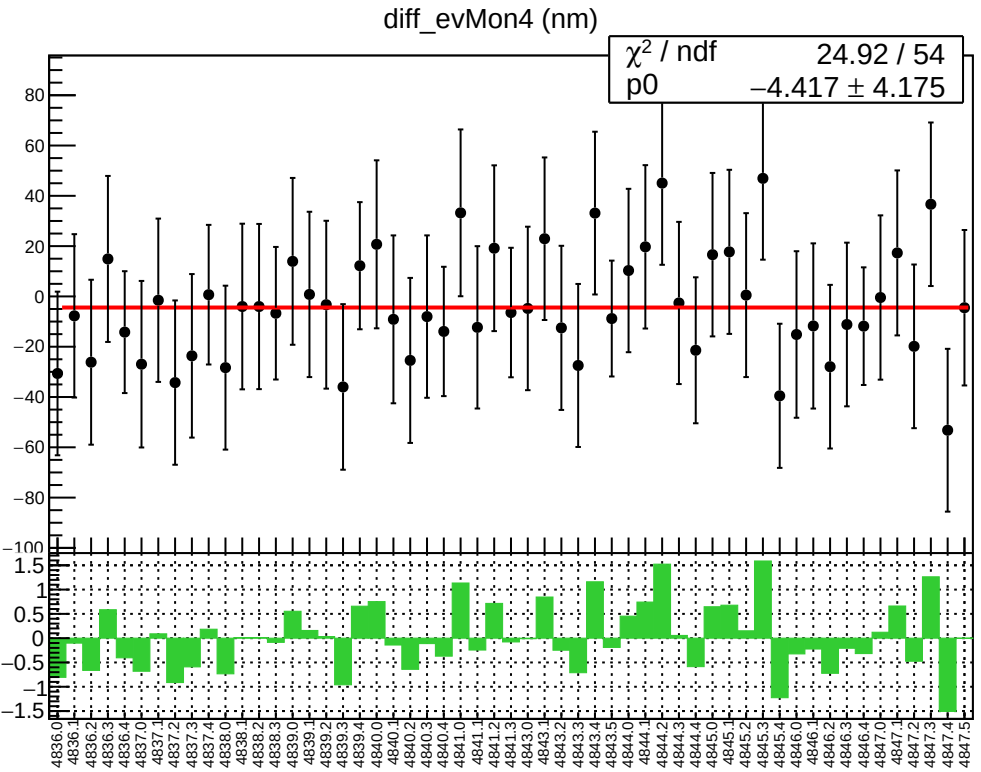

1D pull distribution
Mean 0.003594 ± 0.1837
Std Dev 1.363 ± 0.1299
Underflow 0
Overflow 0
χ² / ndf 2.967 / 8
Constant 7.719 ± 1.398
Mean 0.1753 ± 0.2819
Sigma 1.556 ± 0.267
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

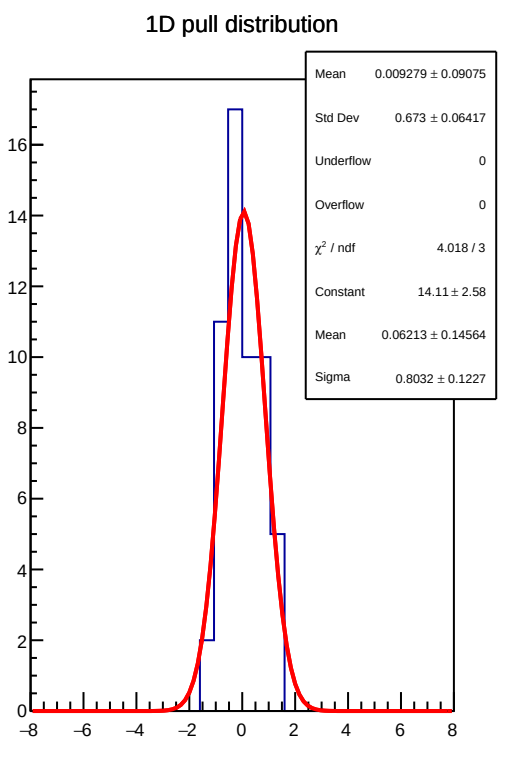

diff_evMon2 RMS (um)
RMS (um)
10.2
10
9.8
9.6
9.4
9.2
9
8.8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

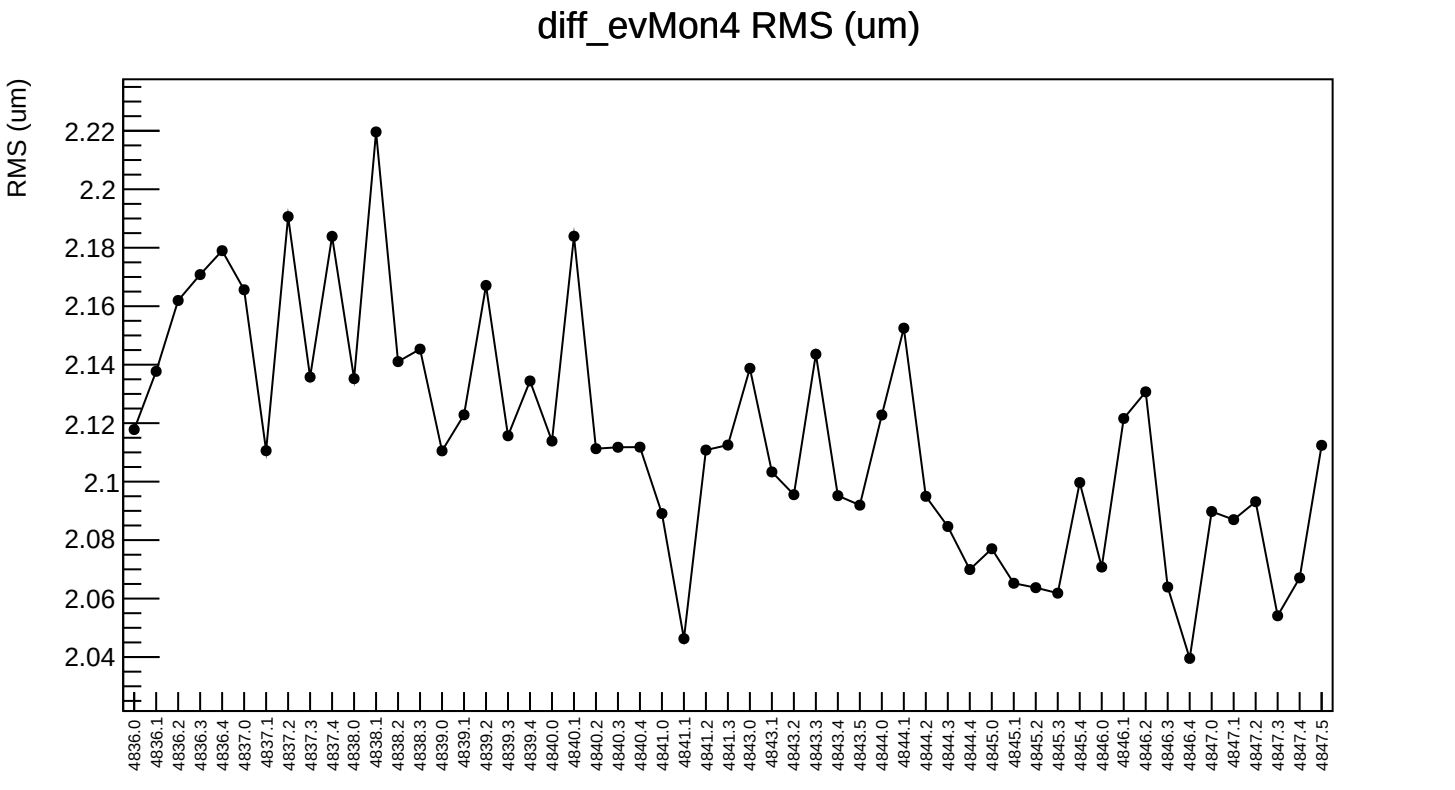

diff_evMon3 (nm)
χ² / ndf 25.11 / 54
p0 2.875 ± 5.103

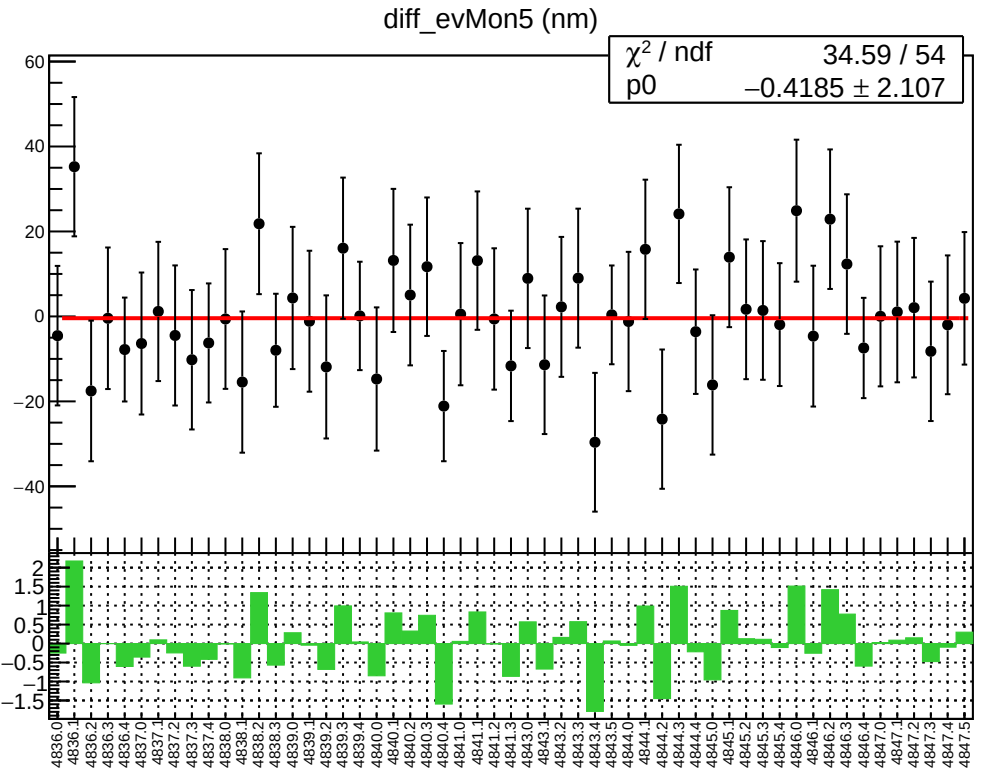

1D pull distribution
Mean 0.0004023 ± 0.0911
Std Dev 0.6756 ± 0.06442
Underflow 0
Overflow 0
χ² / ndf 6.52 / 4
Constant 17.01 ± 3.46
Mean 0.1704 ± 0.0915
Sigma 0.6111 ± 0.0935

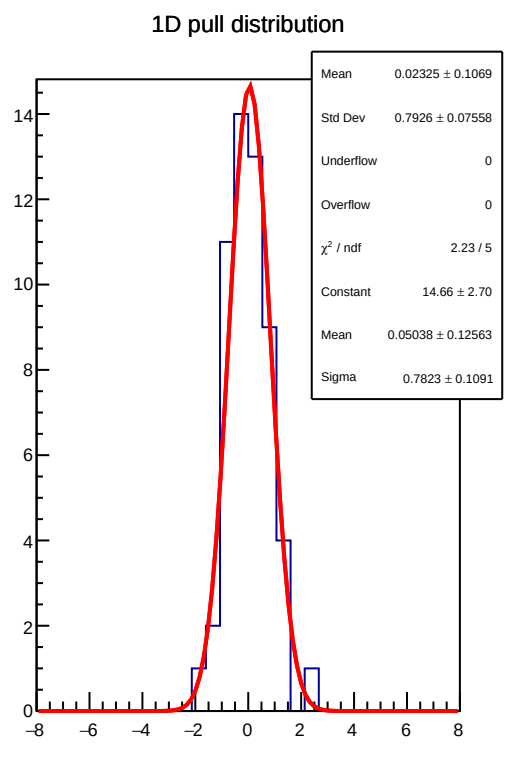

diff_evMon3 RMS (um)
RMS (um)
2.62
2.6
2.58
2.56
2.54
2.52
2.5
2.48
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

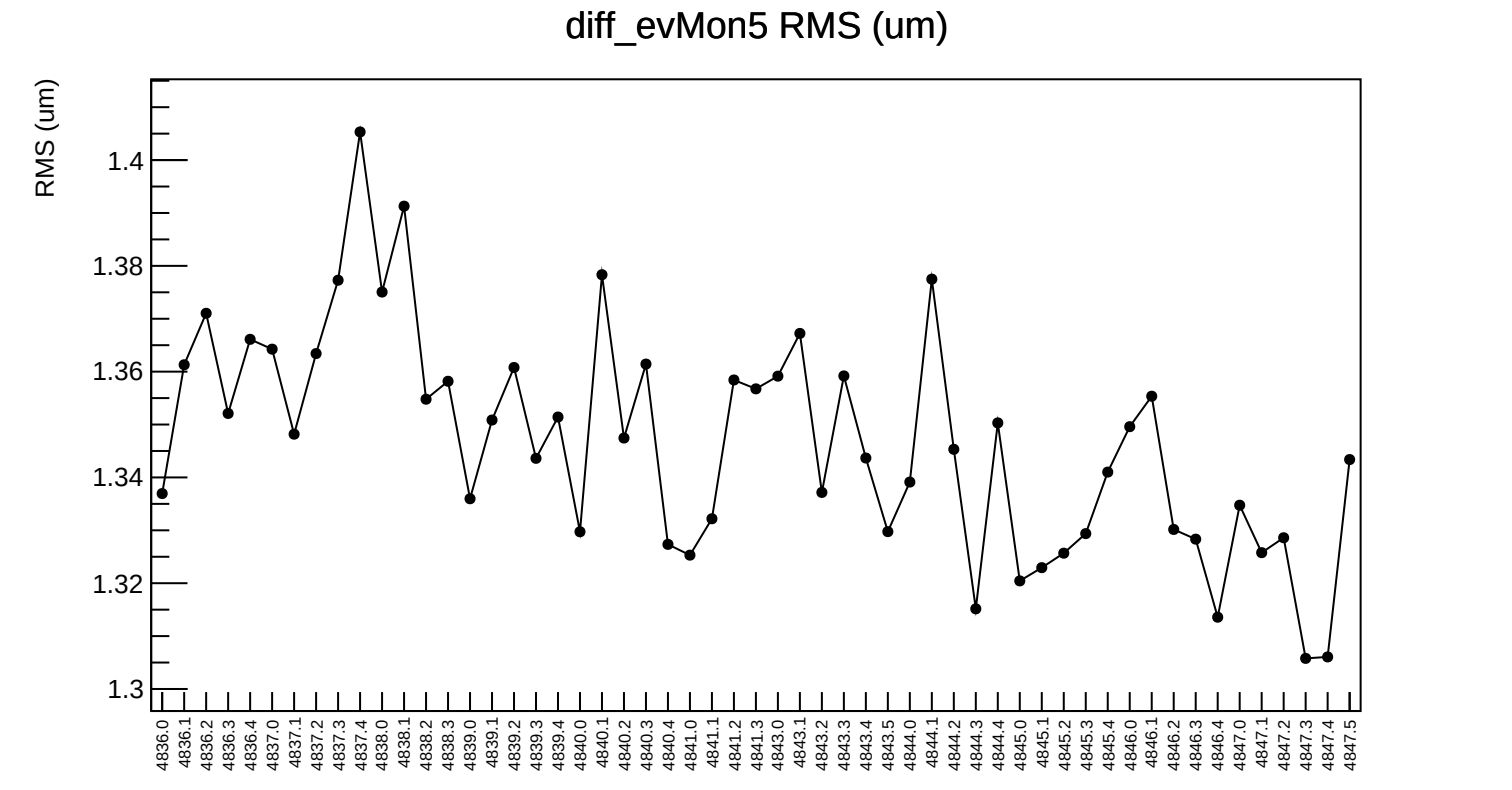

diff_evMon4 (nm)
χ² / ndf 24.92 / 54
p0 −4.417 ± 4.175

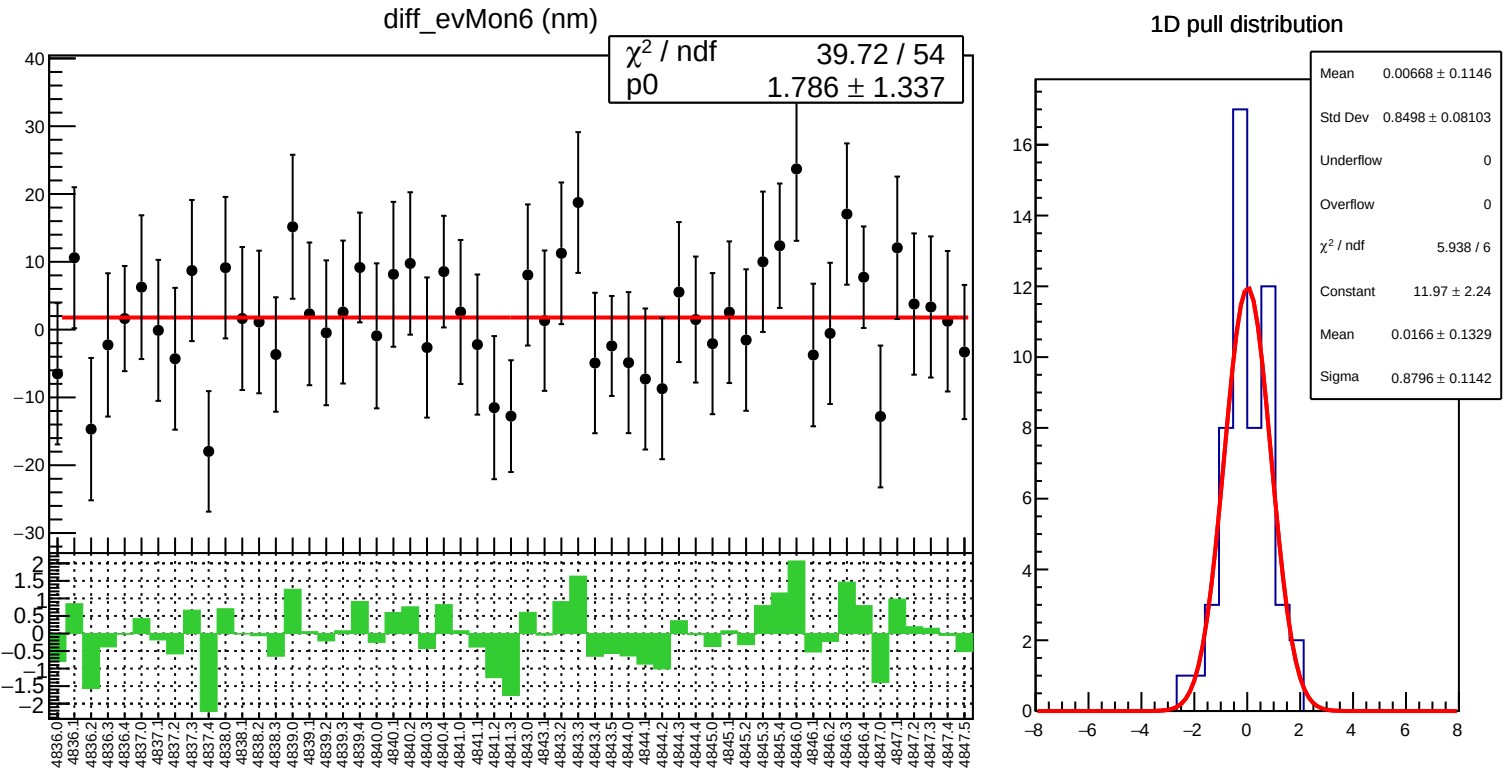

1D pull distribution
Mean 0.009279 ± 0.09075
Std Dev 0.673 ± 0.06417
Underflow 0
Overflow 0
χ² / ndf 4.018 / 3
Constant 14.11 ± 2.58
Mean 0.06213 ± 0.14564
Sigma 0.8032 ± 0.1227

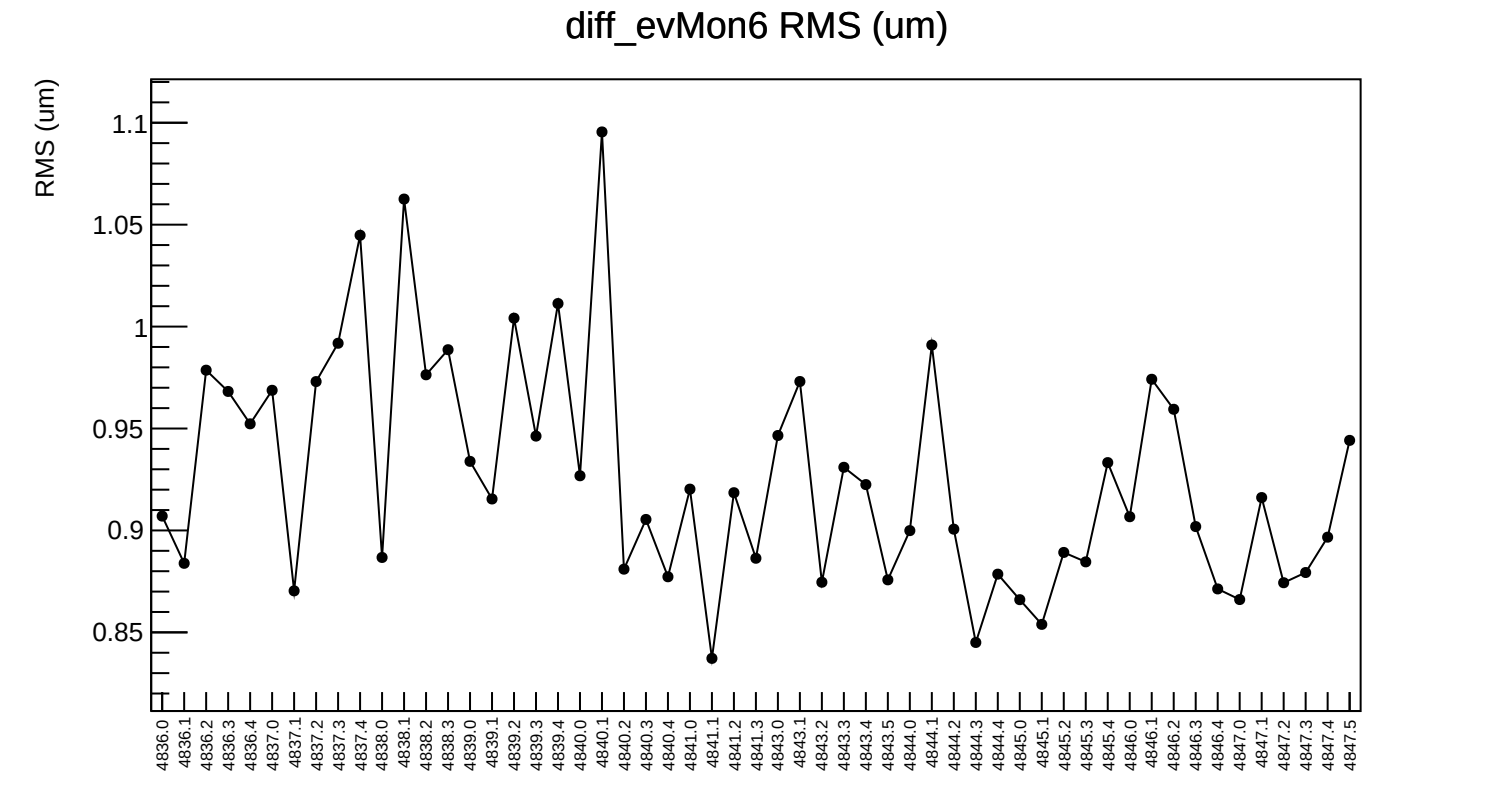

diff_evMon4 RMS (um)
RMS (um)
2.22
2.2
2.18
2.16
2.14
2.12
2.1
2.08
2.06
2.04
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

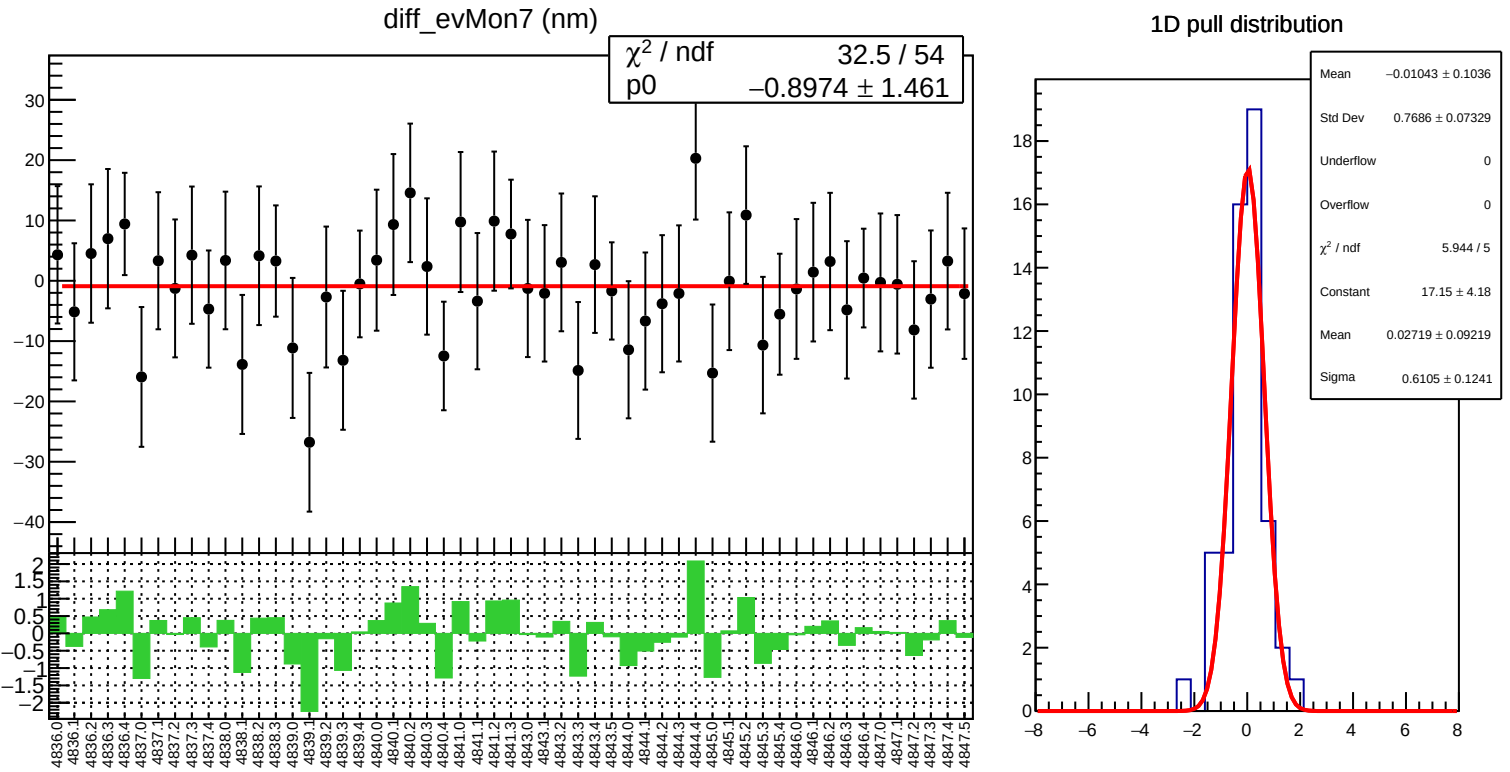

diff_evMon5 (nm)
χ² / ndf 34.59 / 54
p0 −0.4185 ± 2.107
60
40
20
0
−20
−40
2
1.5
1
0.5
0
−0.5
−1
−1.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

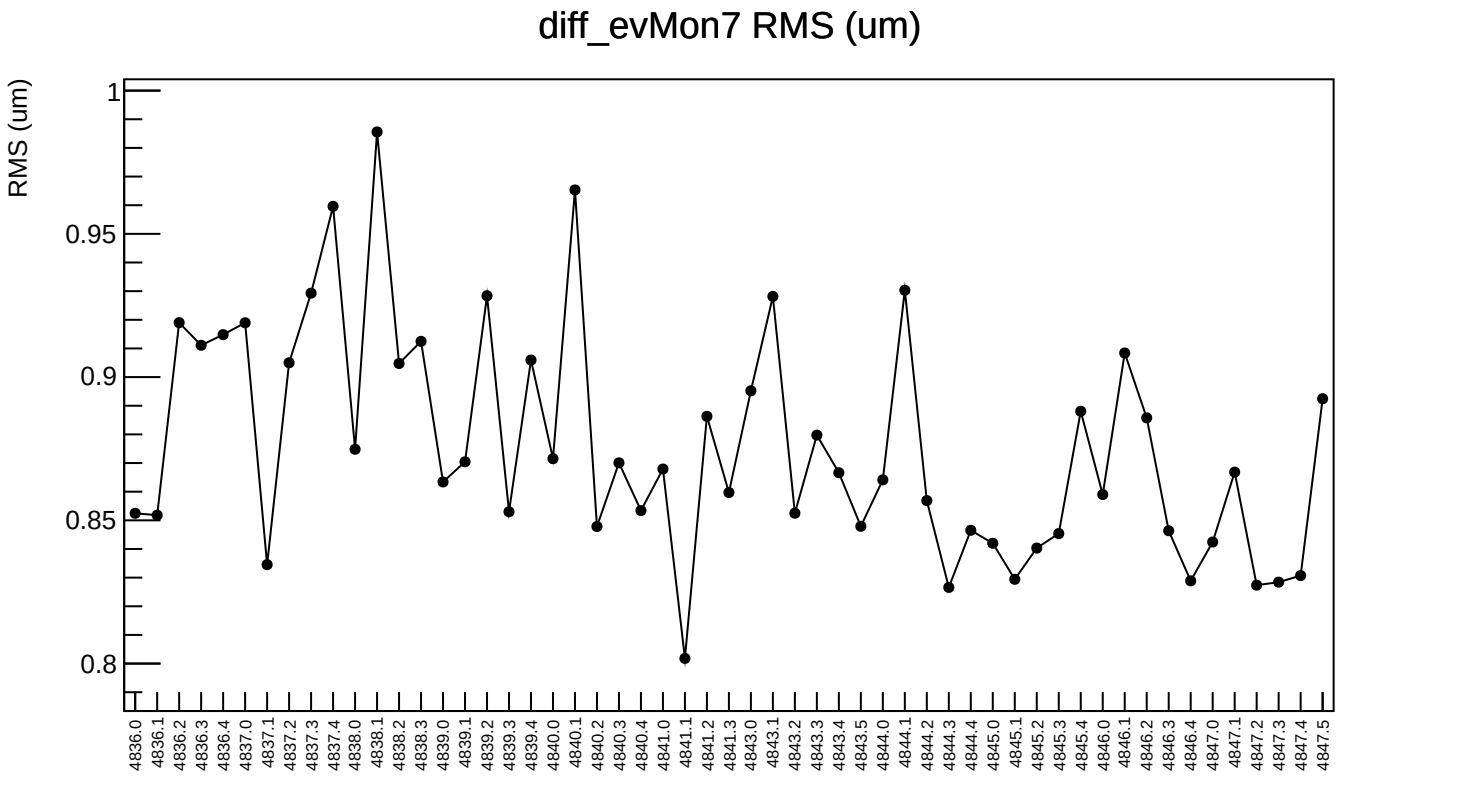

1D pull distribution
Mean 0.02325 ± 0.1069
Std Dev 0.7926 ± 0.07558
Underflow 0
Overflow 0
χ² / ndf 2.23 / 5
Constant 14.66 ± 2.70
Mean 0.05038 ± 0.12563
Sigma 0.7823 ± 0.1091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

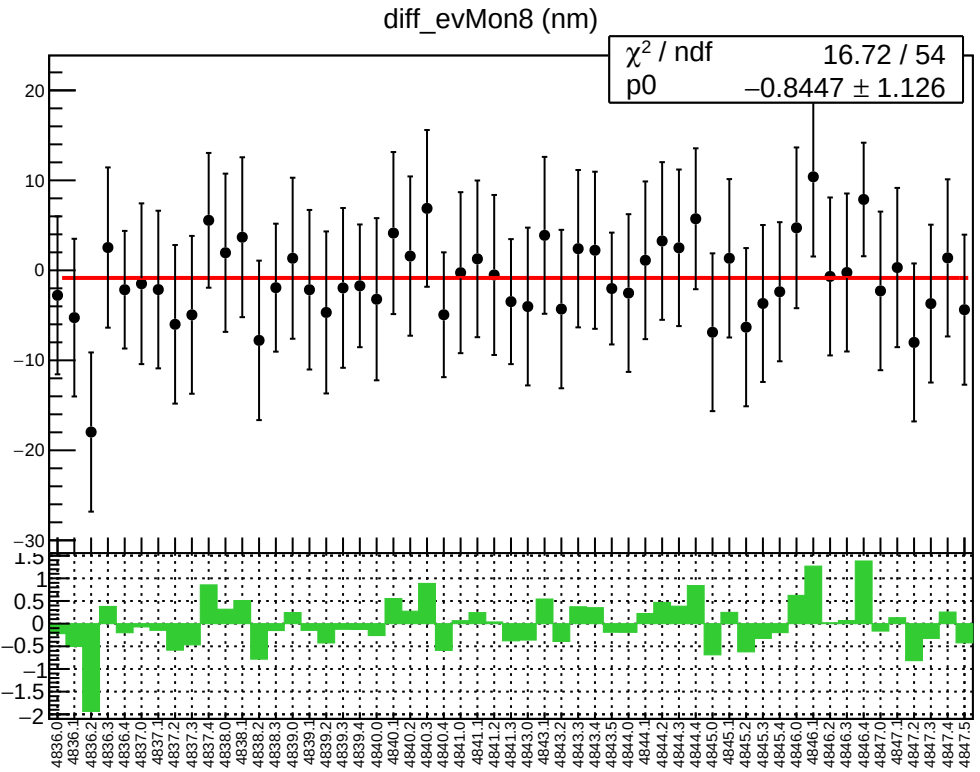

diff_evMon5 RMS (um)
RMS (um)
1.4
1.38
1.36
1.34
1.32
1.3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

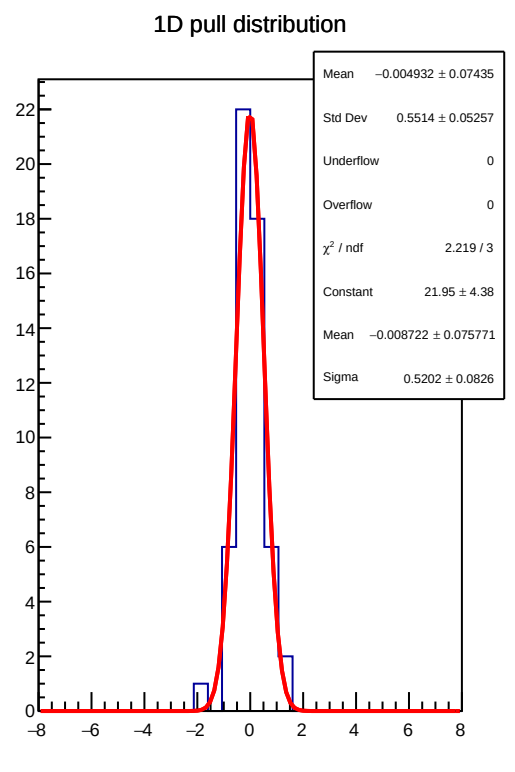

diff_evMon6 (nm)
χ² / ndf 39.72 / 54
p0 1.786 ± 1.337
1D pull distribution
Mean 0.00668 ± 0.1146
Std Dev 0.8498 ± 0.08103
Underflow 0
Overflow 0
χ² / ndf 5.938 / 6
Constant 11.97 ± 2.24
Mean 0.0166 ± 0.1329
Sigma 0.8796 ± 0.1142

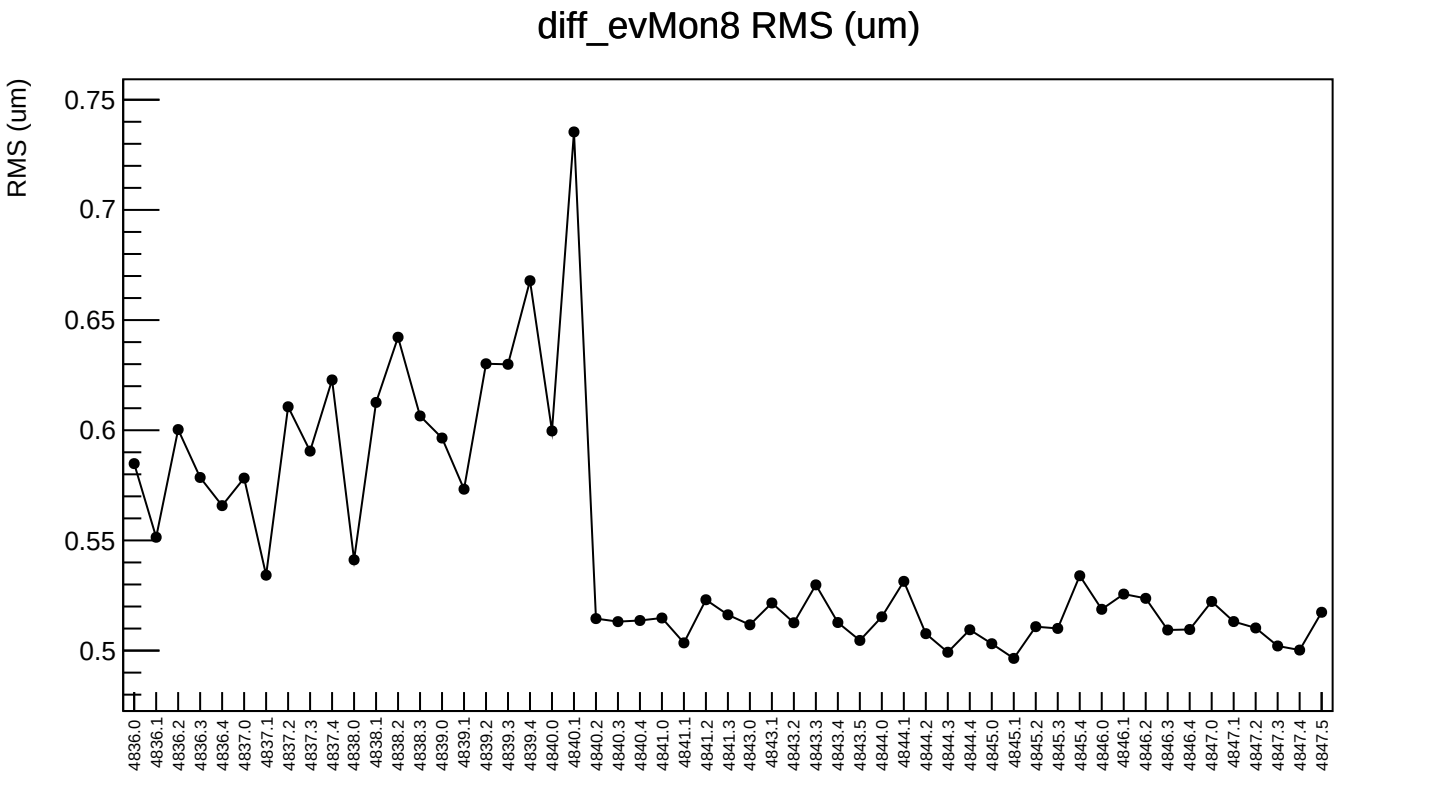

diff_evMon6 RMS (um)
RMS (um)
1.1
1.05
1
0.95
0.9
0.85
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

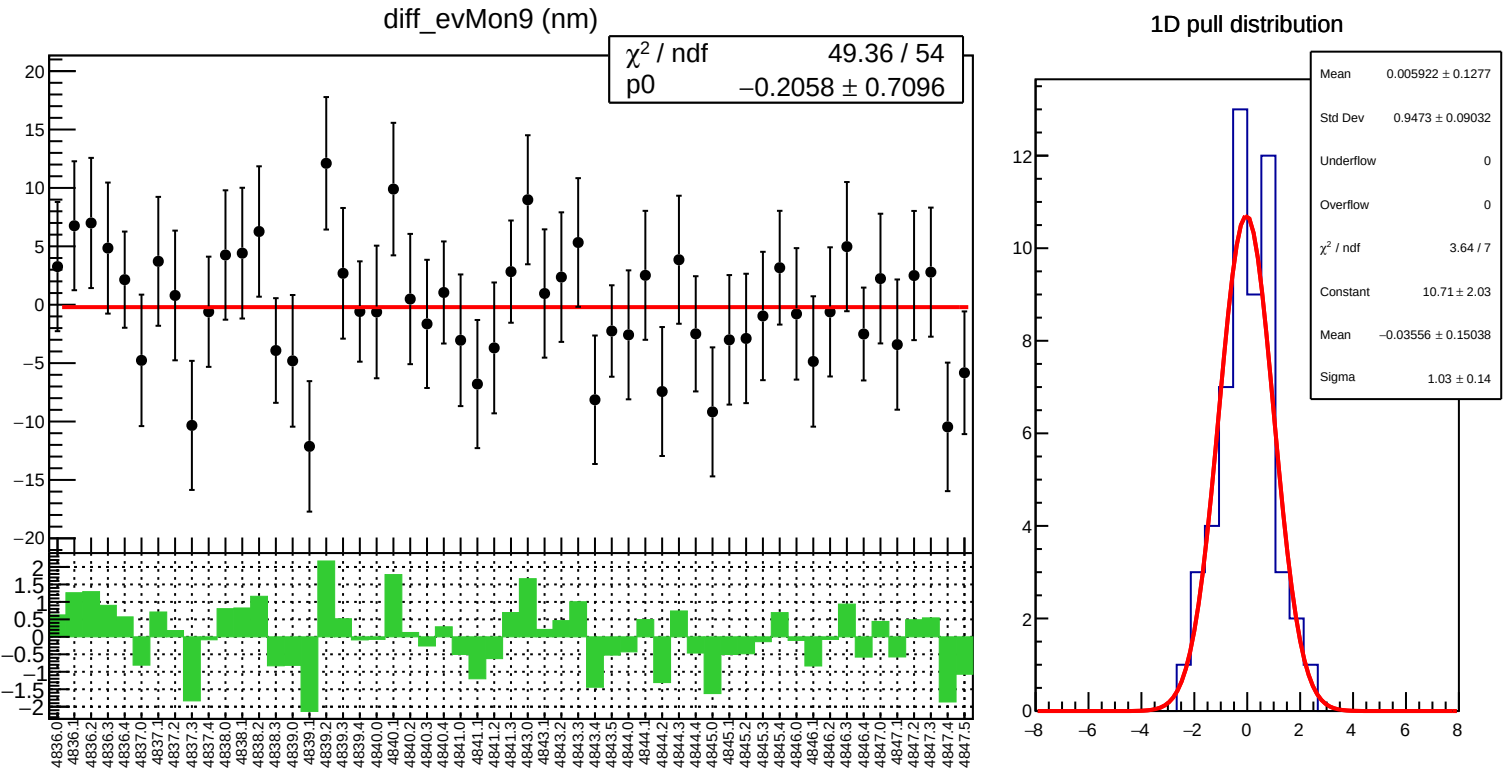

diff_evMon7 (nm)
χ² / ndf 32.5 / 54
p0 −0.8974 ± 1.461
1D pull distribution
Mean −0.01043 ± 0.1036
Std Dev 0.7686 ± 0.07329
Underflow 0
Overflow 0
χ² / ndf 5.944 / 5
Constant 17.15 ± 4.18
Mean 0.02719 ± 0.09219
Sigma 0.6105 ± 0.1241

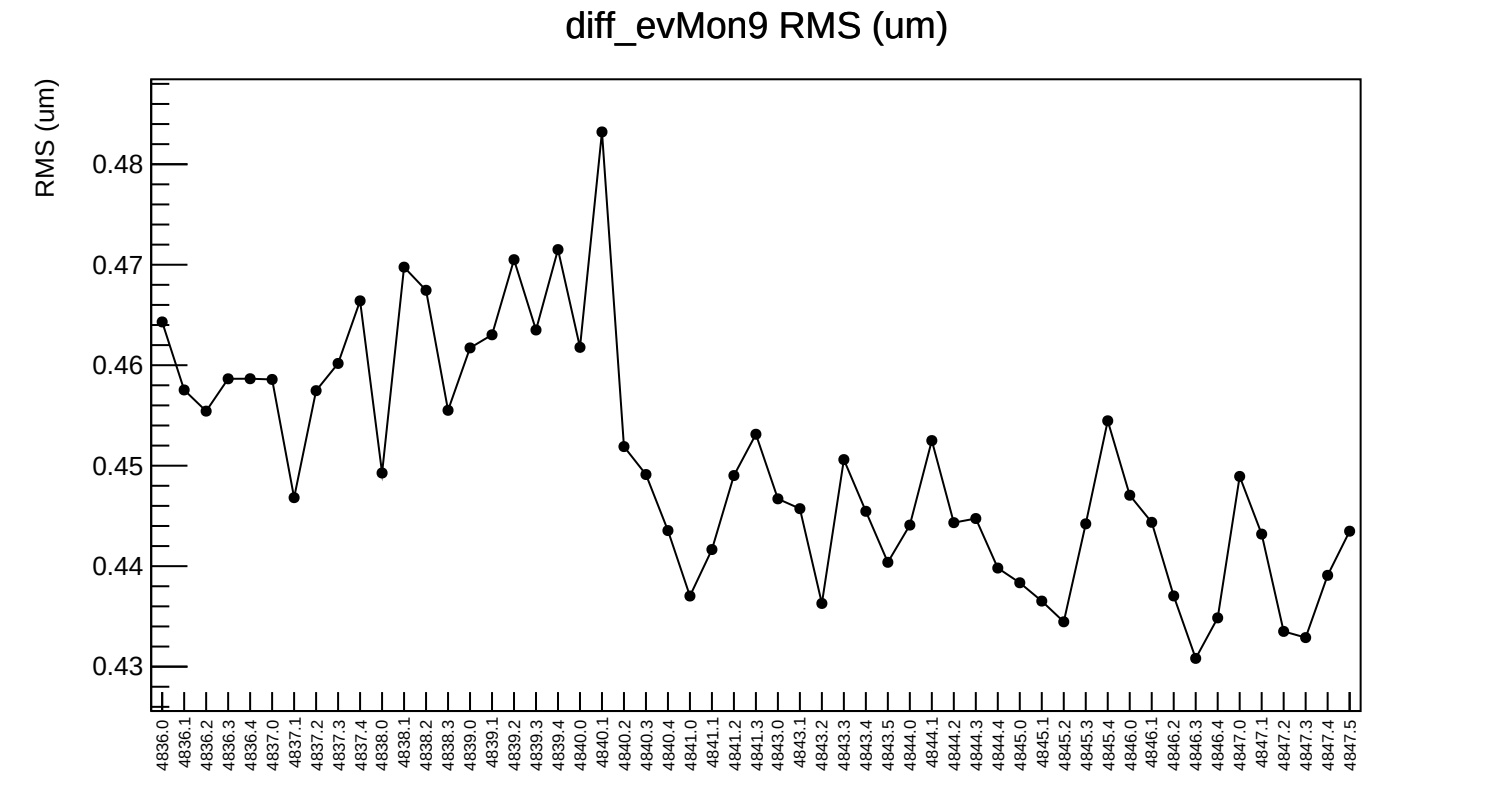

diff_evMon7 RMS (um)
RMS (um)
1
0.95
0.9
0.85
0.8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

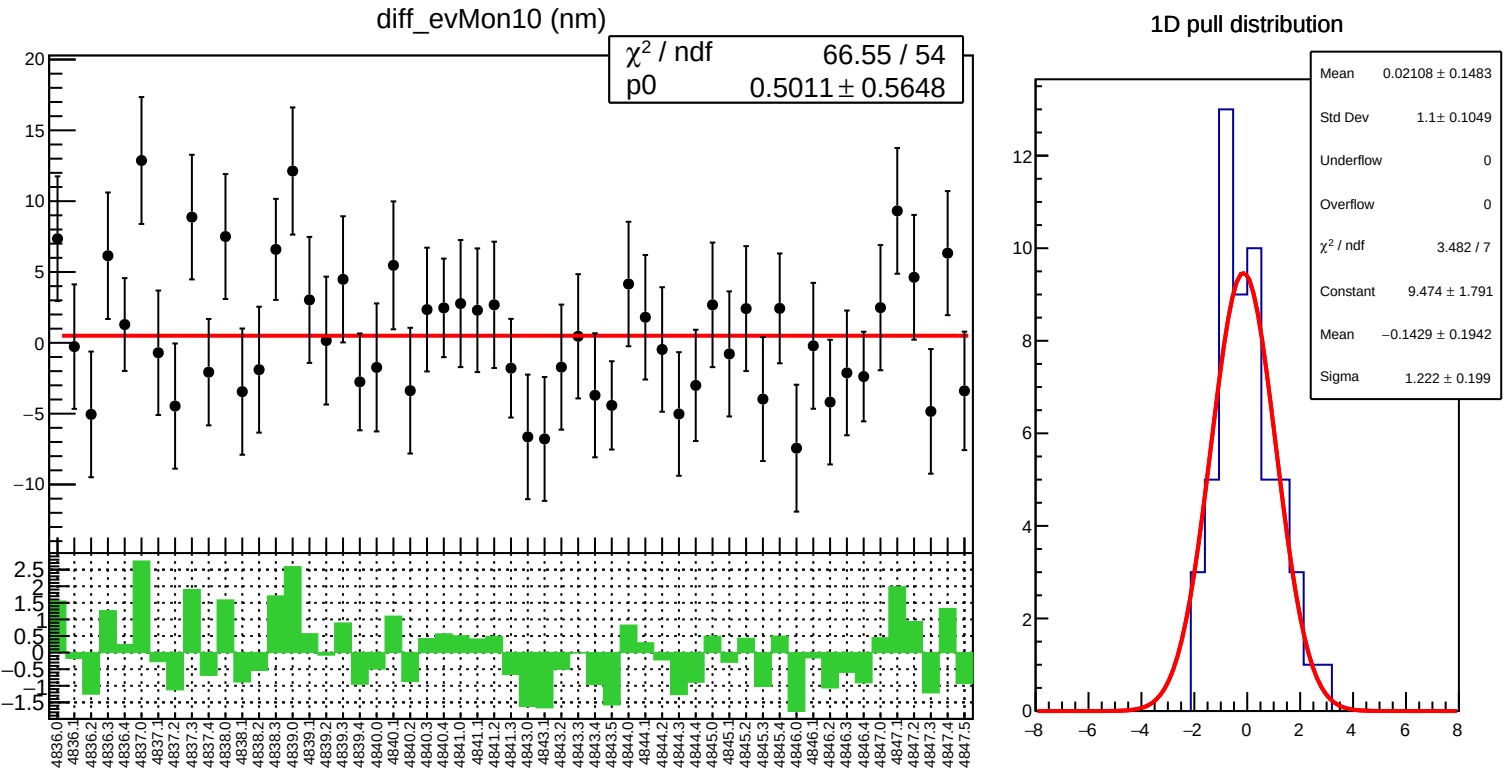

diff_evMon8 (nm)
χ² / ndf 16.72 / 54
p0 −0.8447 ± 1.126

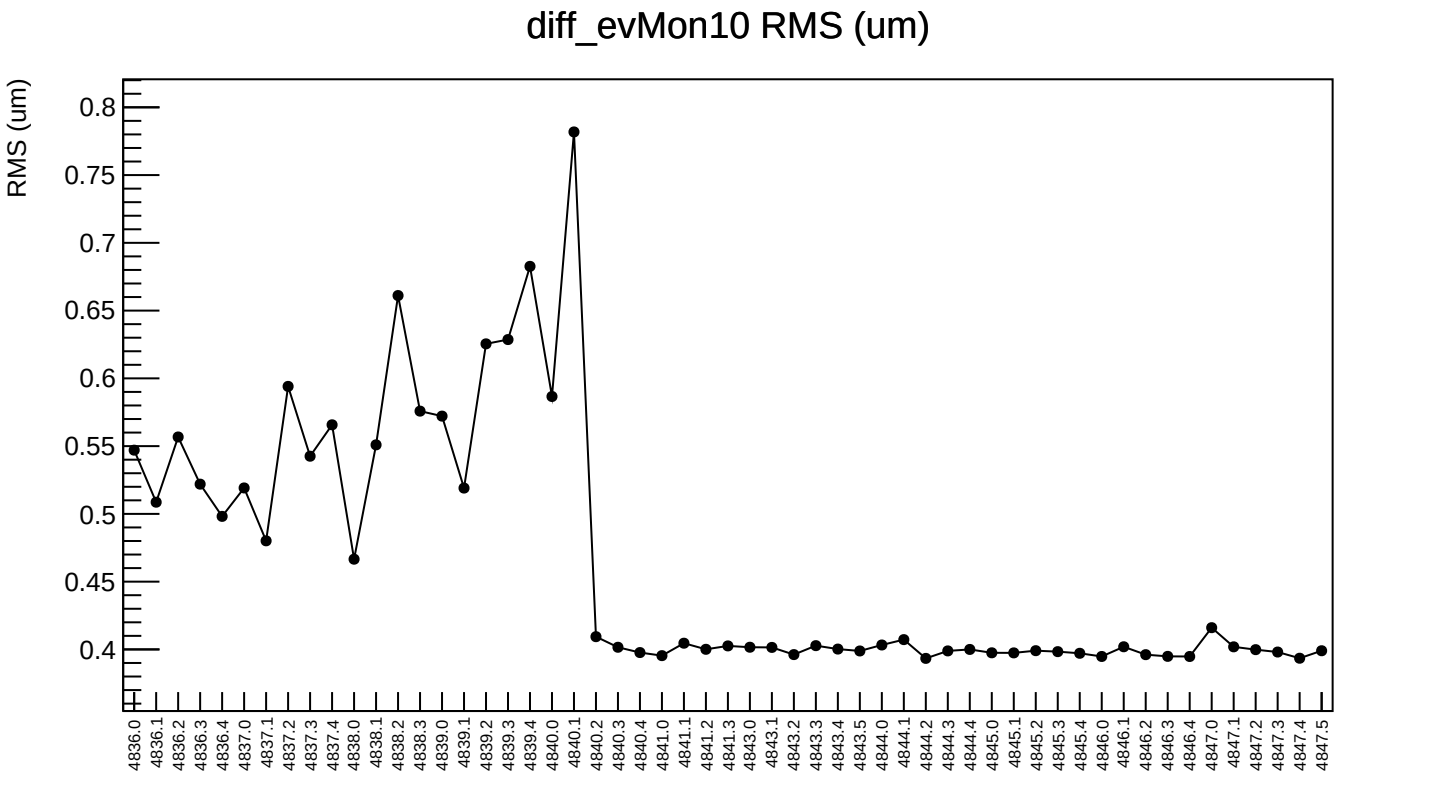

1D pull distribution
Mean −0.004932 ± 0.07435
Std Dev 0.5514 ± 0.05257
Underflow 0
Overflow 0
χ² / ndf 2.219 / 3
Constant 21.95 ± 4.38
Mean −0.008722 ± 0.075771
Sigma 0.5202 ± 0.0826

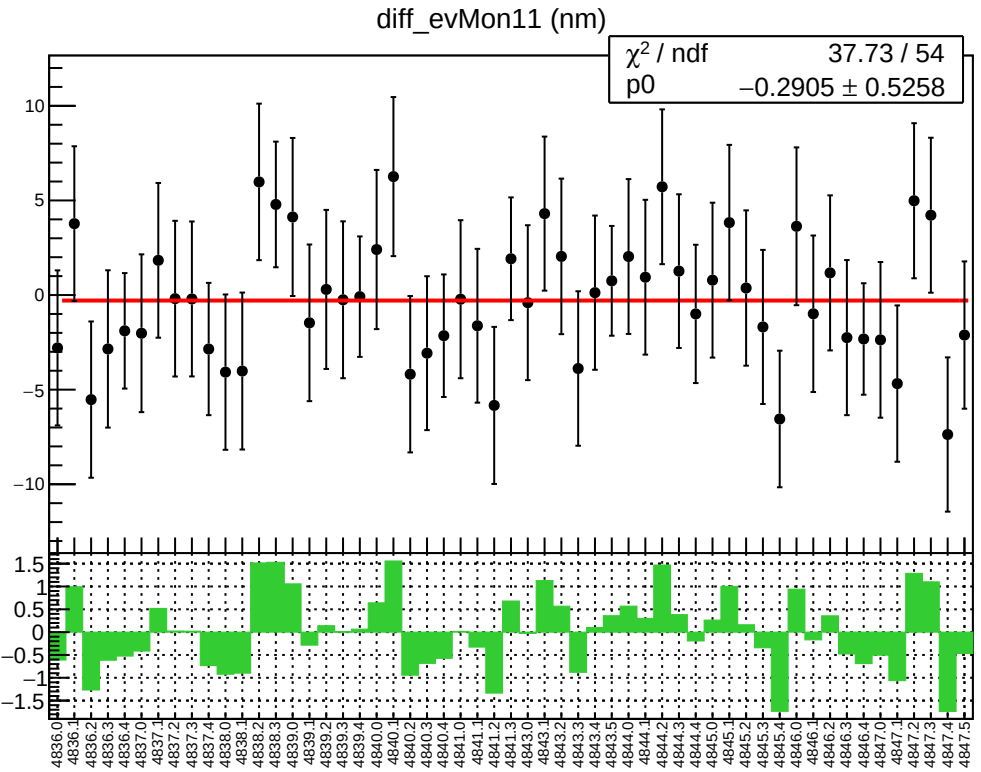

diff_evMon8 RMS (um)
RMS (um)
0.75
0.7
0.65
0.6
0.55
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

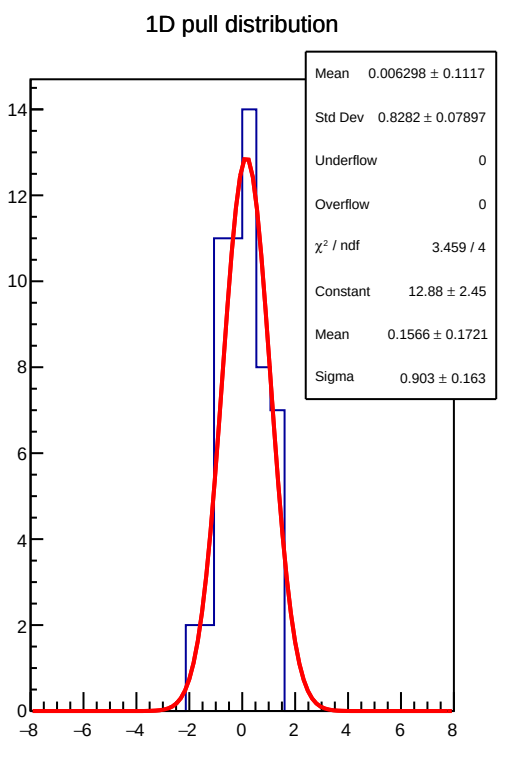

diff_evMon9 (nm)
χ² / ndf 49.36 / 54
p0 −0.2058 ± 0.7096
1D pull distribution
Mean 0.005922 ± 0.1277
Std Dev 0.9473 ± 0.09032
Underflow 0
Overflow 0
χ² / ndf 3.64 / 7
Constant 10.71 ± 2.03
Mean −0.03556 ± 0.15038
Sigma 1.03 ± 0.14

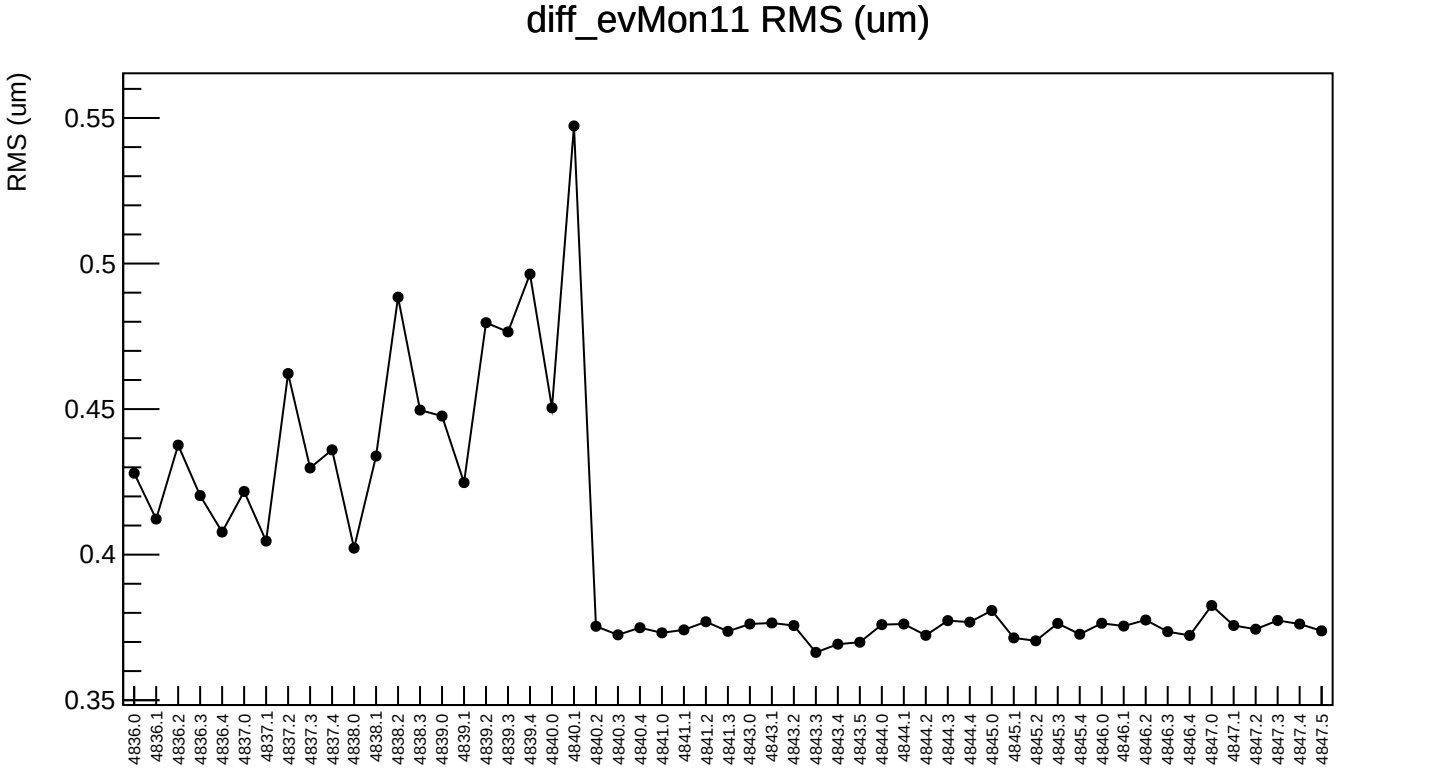

diff_evMon9 RMS (um)
RMS (um)
0.48
0.47
0.46
0.45
0.44
0.43
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

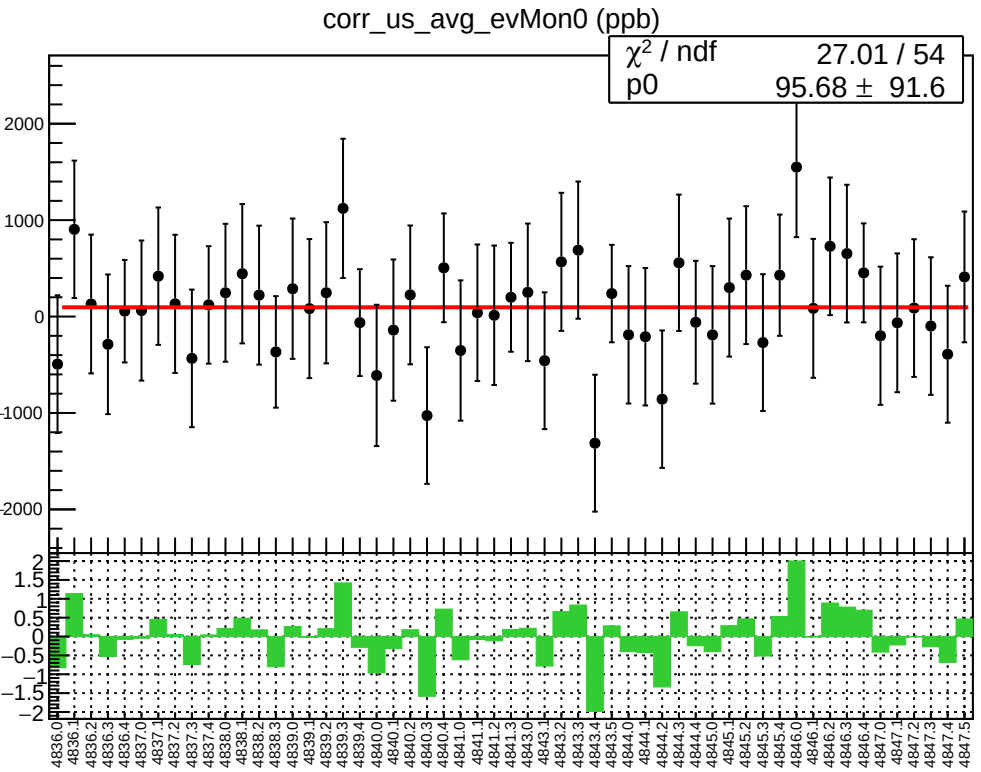

diff_evMon10 (nm)
χ² / ndf 66.55 / 54
p0 0.5011 ± 0.5648
1D pull distribution
Mean 0.02108 ± 0.1483
Std Dev 1.1± 0.1049
Underflow 0
Overflow 0
χ² / ndf 3.482 / 7
Constant 9.474 ± 1.791
Mean −0.1429 ± 0.1942
Sigma 1.222 ± 0.199

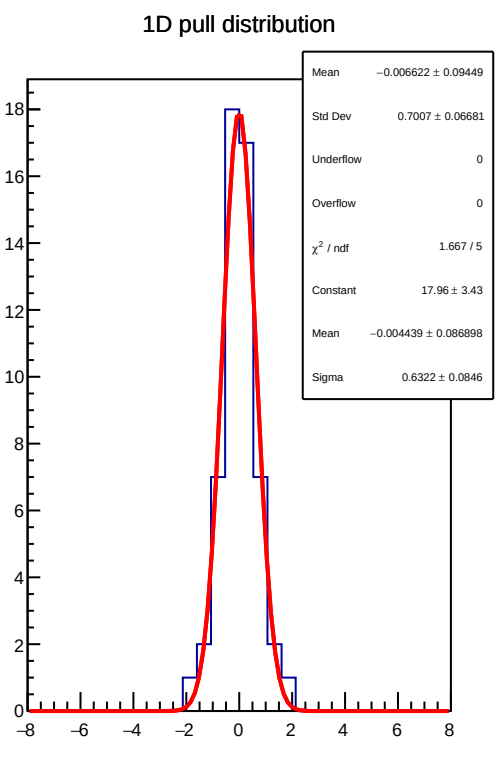

diff_evMon10 RMS (um)
RMS (um)
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

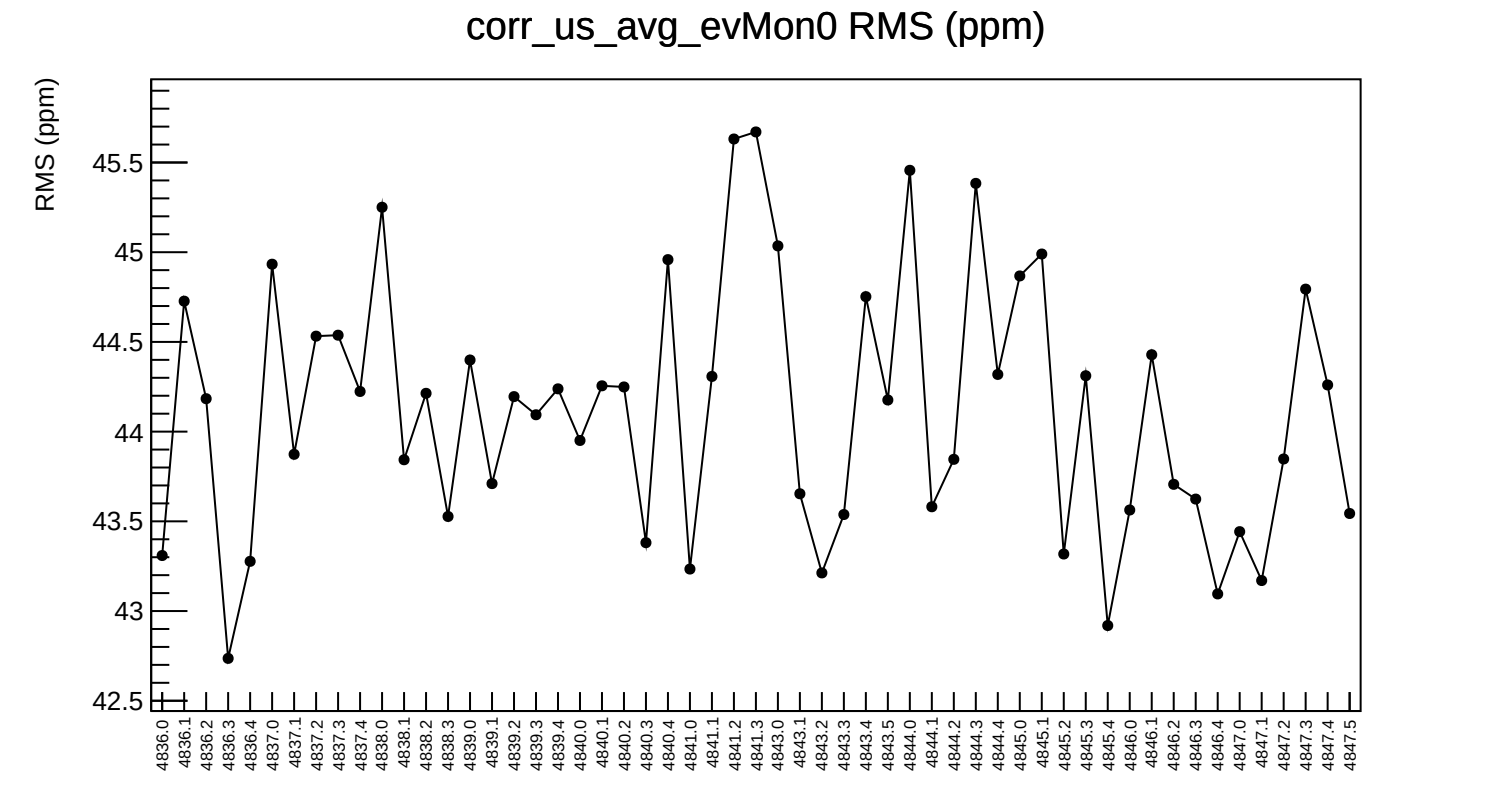

diff_evMon11 (nm)
χ² / ndf 37.73 / 54
p0 −0.2905 ± 0.5258

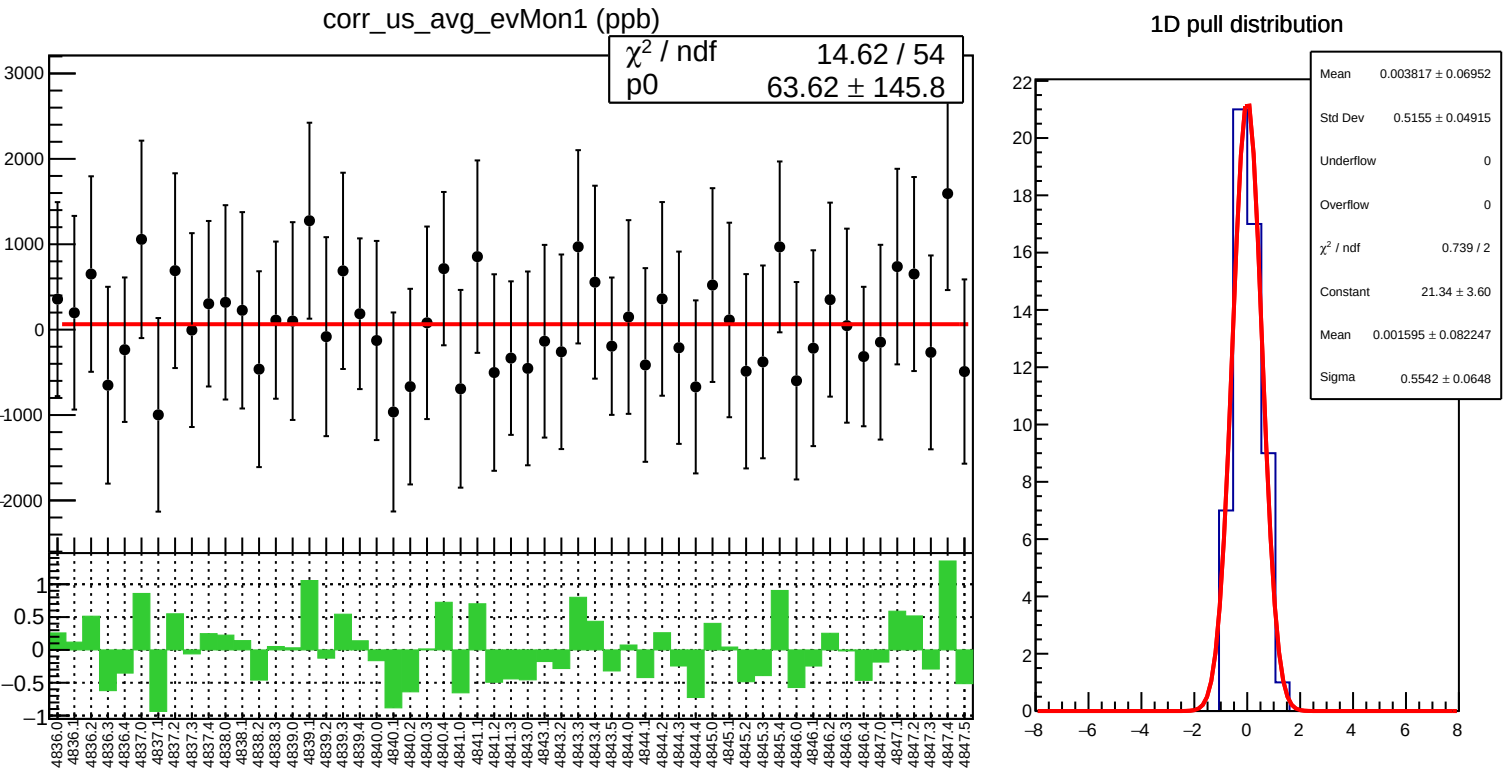

1D pull distribution
Mean 0.006298 ± 0.1117
Std Dev 0.8282 ± 0.07897
Underflow 0
Overflow 0
χ² / ndf 3.459 / 4
Constant 12.88 ± 2.45
Mean 0.1566 ± 0.1721
Sigma 0.903 ± 0.163


diff_evMon11 RMS (um)
RMS (um)
0.55
0.5
0.45
0.4
0.35
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

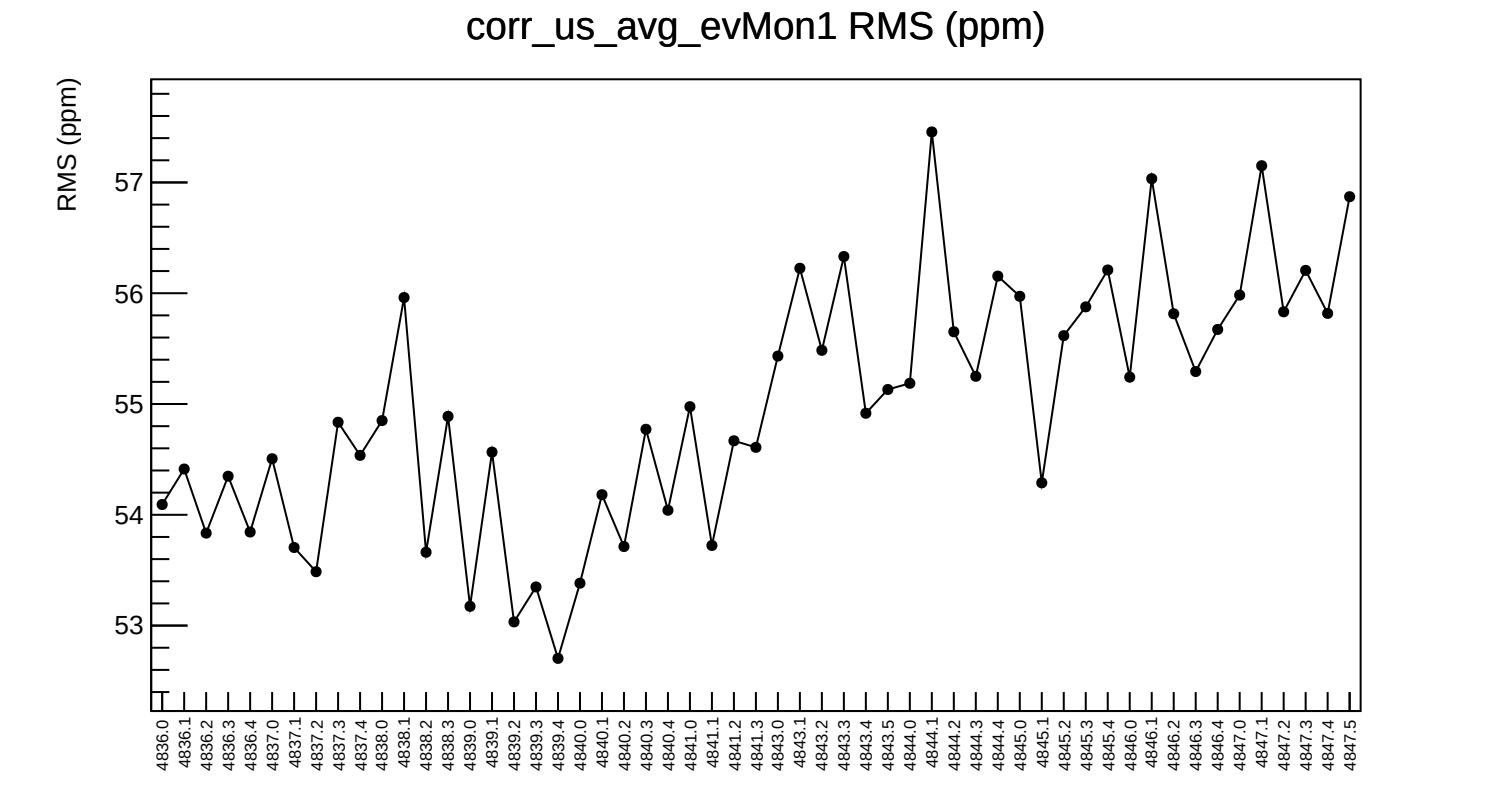

corr_us_avg_evMon0 (ppb)
χ² / ndf 27.01 / 54
p0 95.68 ± 91.6
2000
1000
0
-1000
-2000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

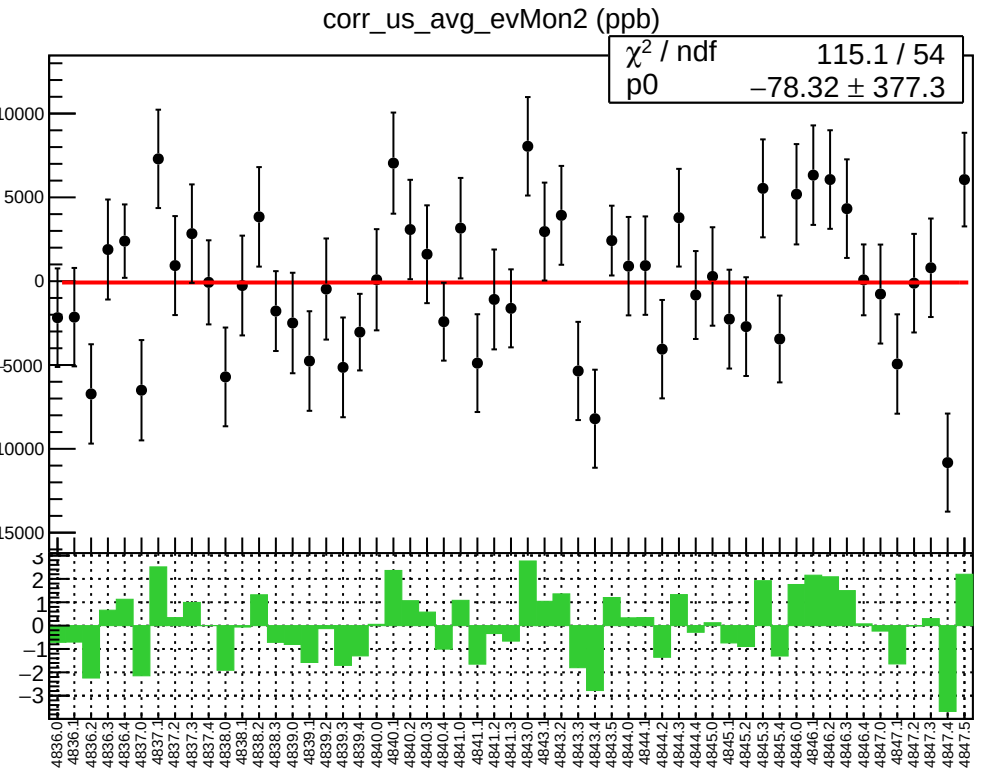

1D pull distribution
Mean −0.006622 ± 0.09449
Std Dev 0.7007 ± 0.06681
Underflow 0
Overflow 0
χ² / ndf 1.667 / 5
Constant 17.96 ± 3.43
Mean −0.004439 ± 0.086898
Sigma 0.6322 ± 0.0846
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

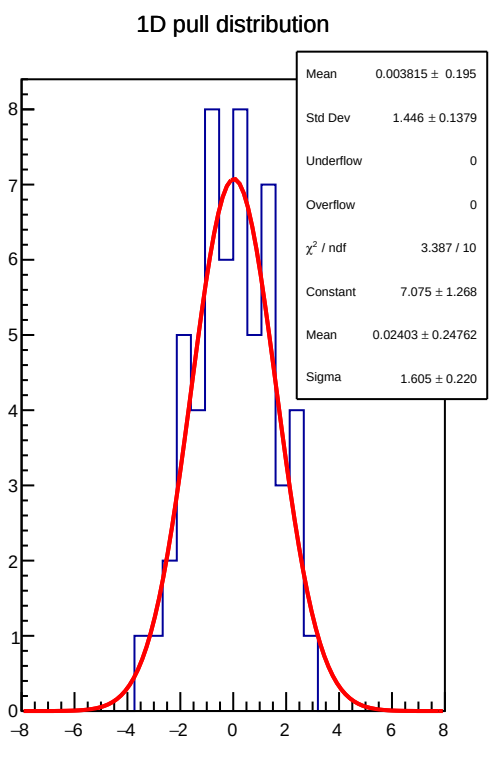

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
45.5
45
44.5
44
43.5
43
42.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

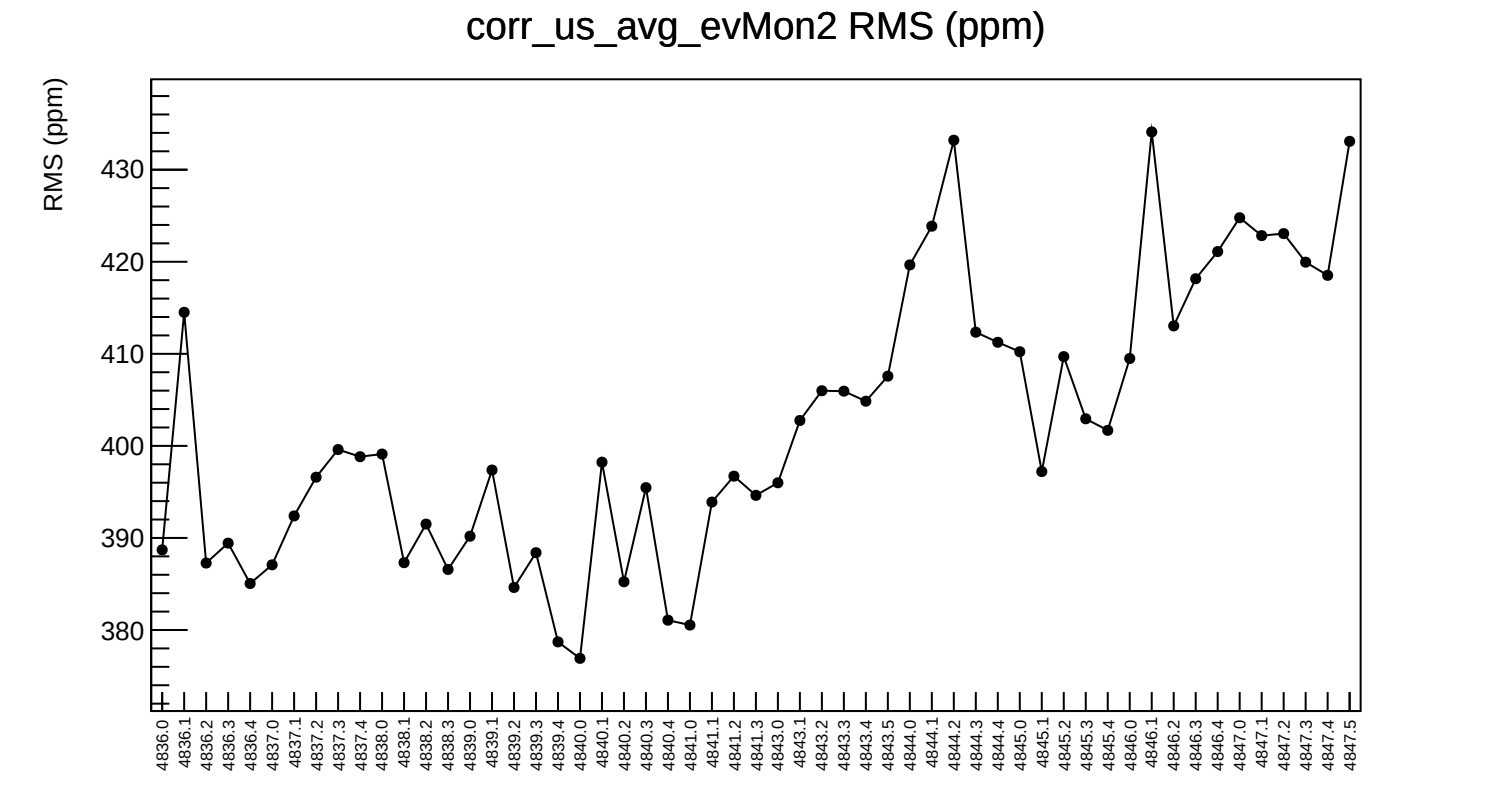

corr_us_avg_evMon1 (ppb)
χ² / ndf 14.62 / 54
p0 63.62 ± 145.8
3000
2000
1000
0
-1000
-2000
1
0.5
0
−0.5
−1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

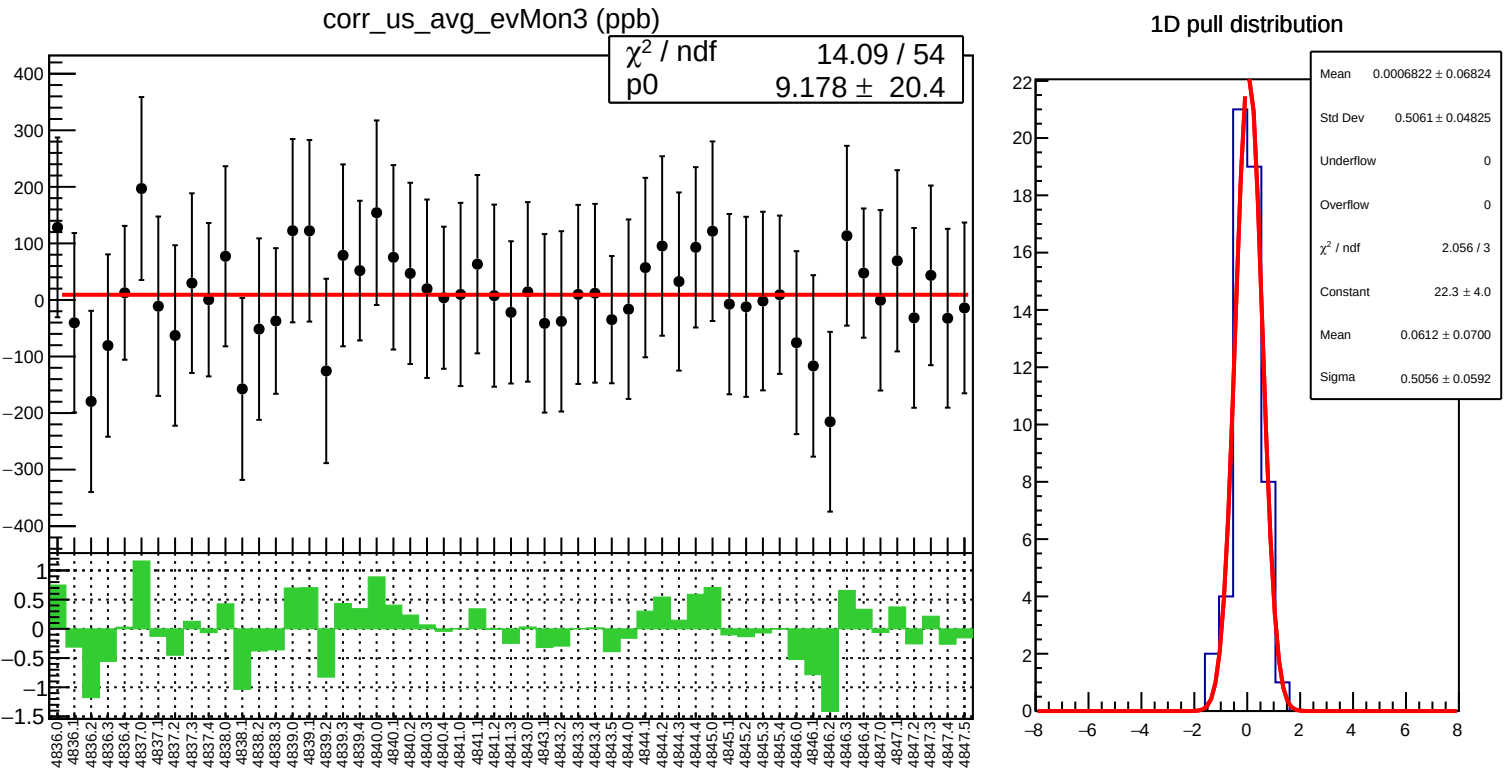
1D pull distribution
Mean 0.003817 ± 0.06952
Std Dev 0.5155 ± 0.04915
Underflow 0
Overflow 0
χ² / ndf 0.739 / 2
Constant 21.34 ± 3.60
Mean 0.001595 ± 0.082247
Sigma 0.5542 ± 0.0648
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

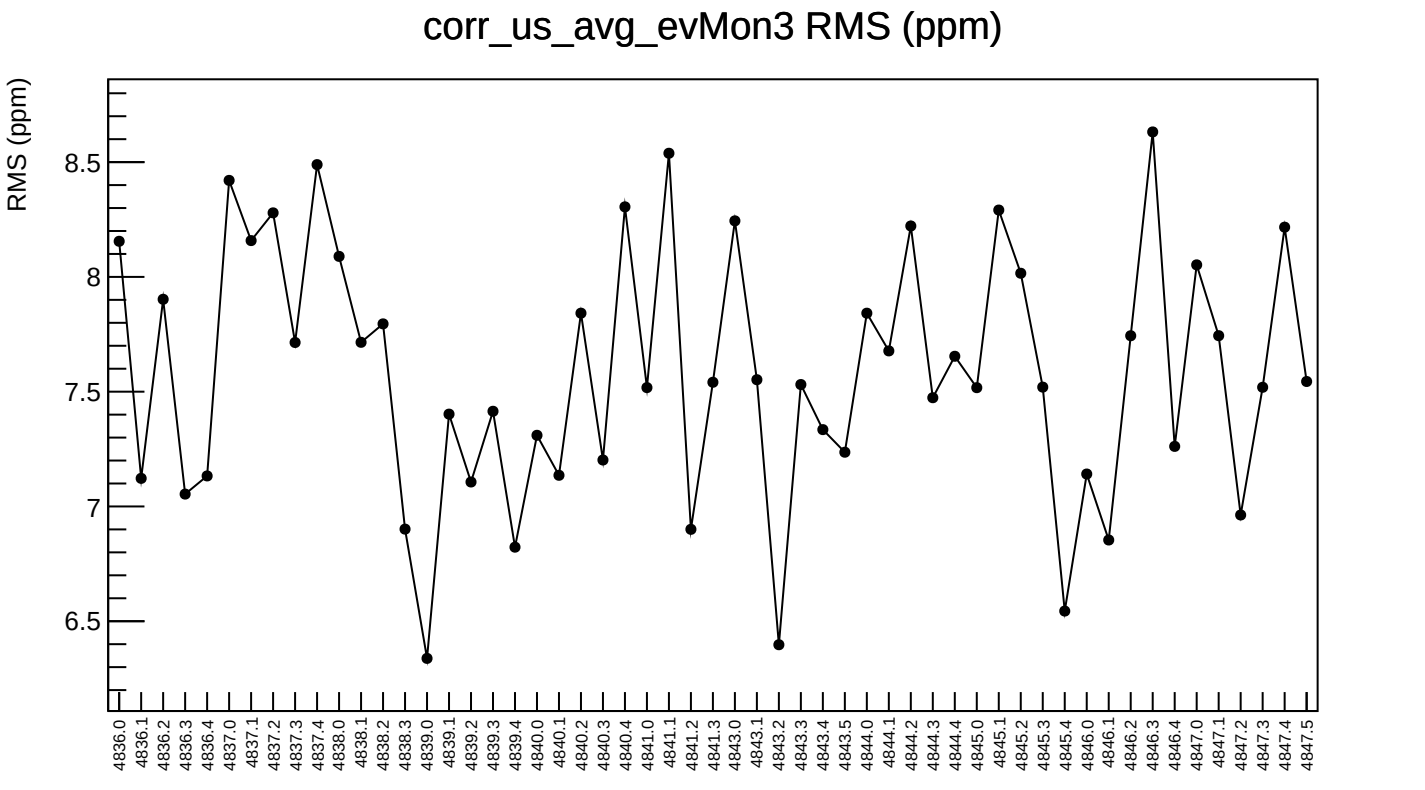

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
57
56
55
54
53
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

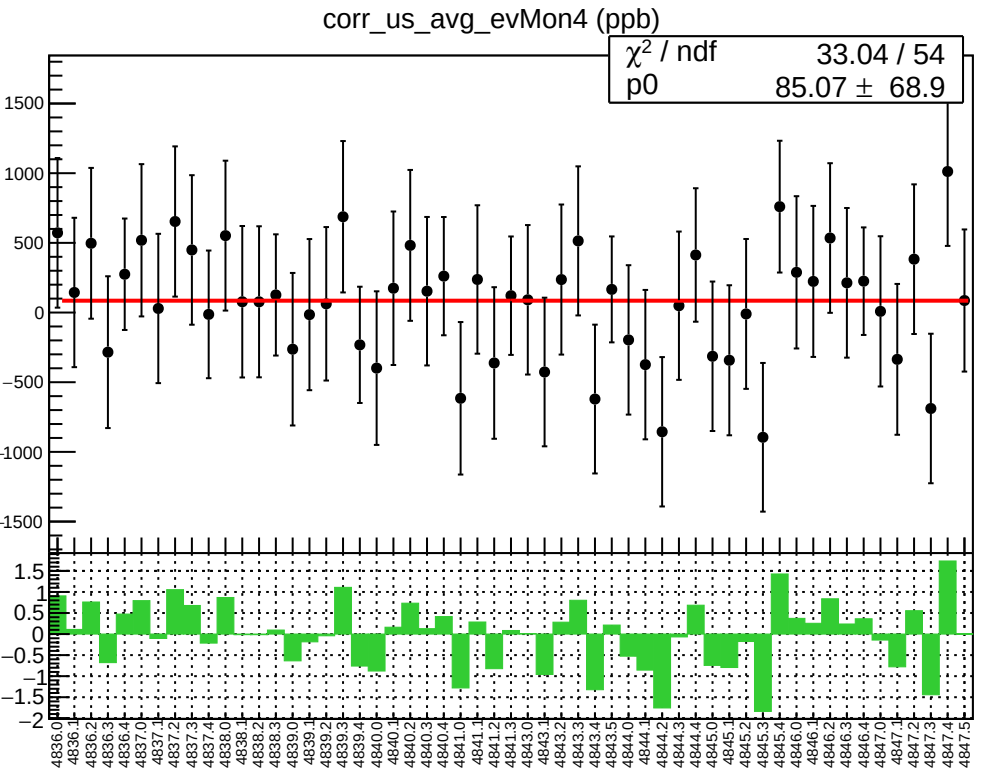

corr_us_avg_evMon2 (ppb)
χ² / ndf 115.1 / 54
p0 −78.32 ± 377.3
10000
5000
0
−5000
−10000
−15000
3
2
1
0
−1
−2
−3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

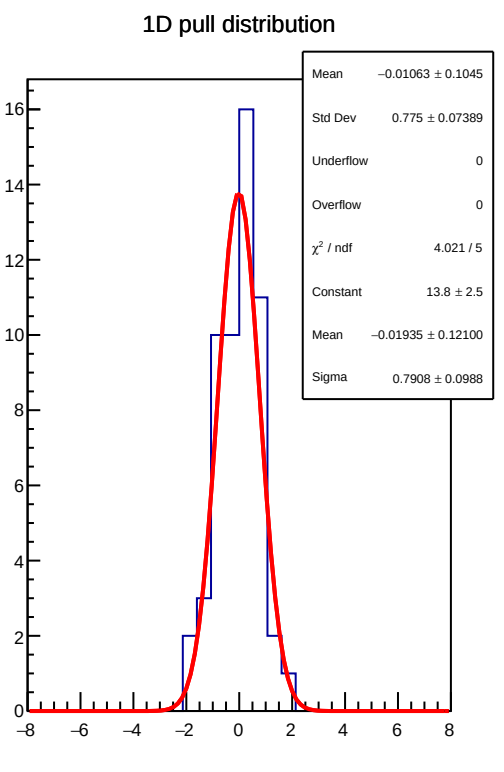

1D pull distribution
Mean 0.003815 ± 0.195
Std Dev 1.446 ± 0.1379
Underflow 0
Overflow 0
χ² / ndf 3.387 / 10
Constant 7.075 ± 1.268
Mean 0.02403 ± 0.24762
Sigma 1.605 ± 0.220
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

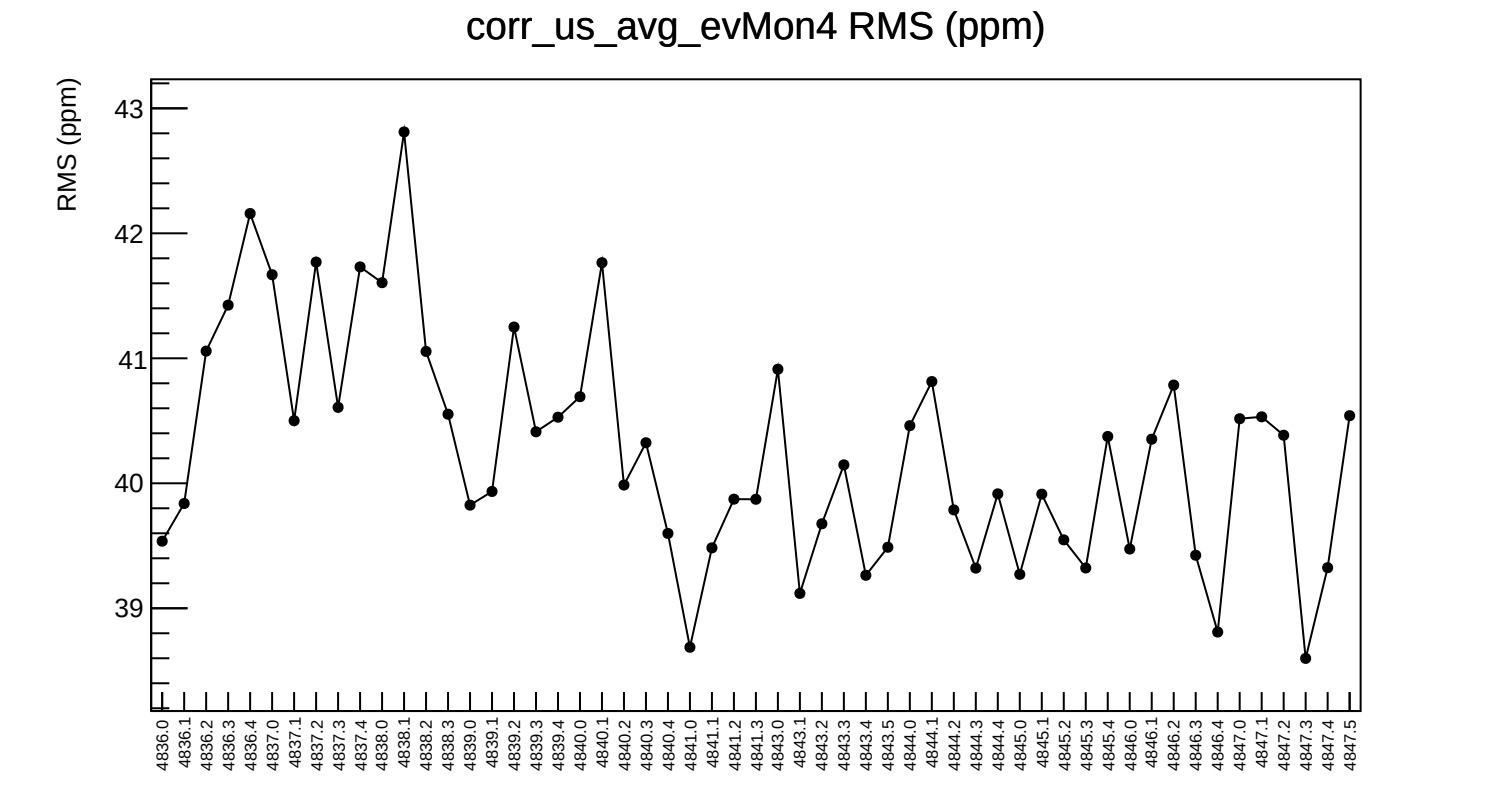

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
430
420
410
400
390
380
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

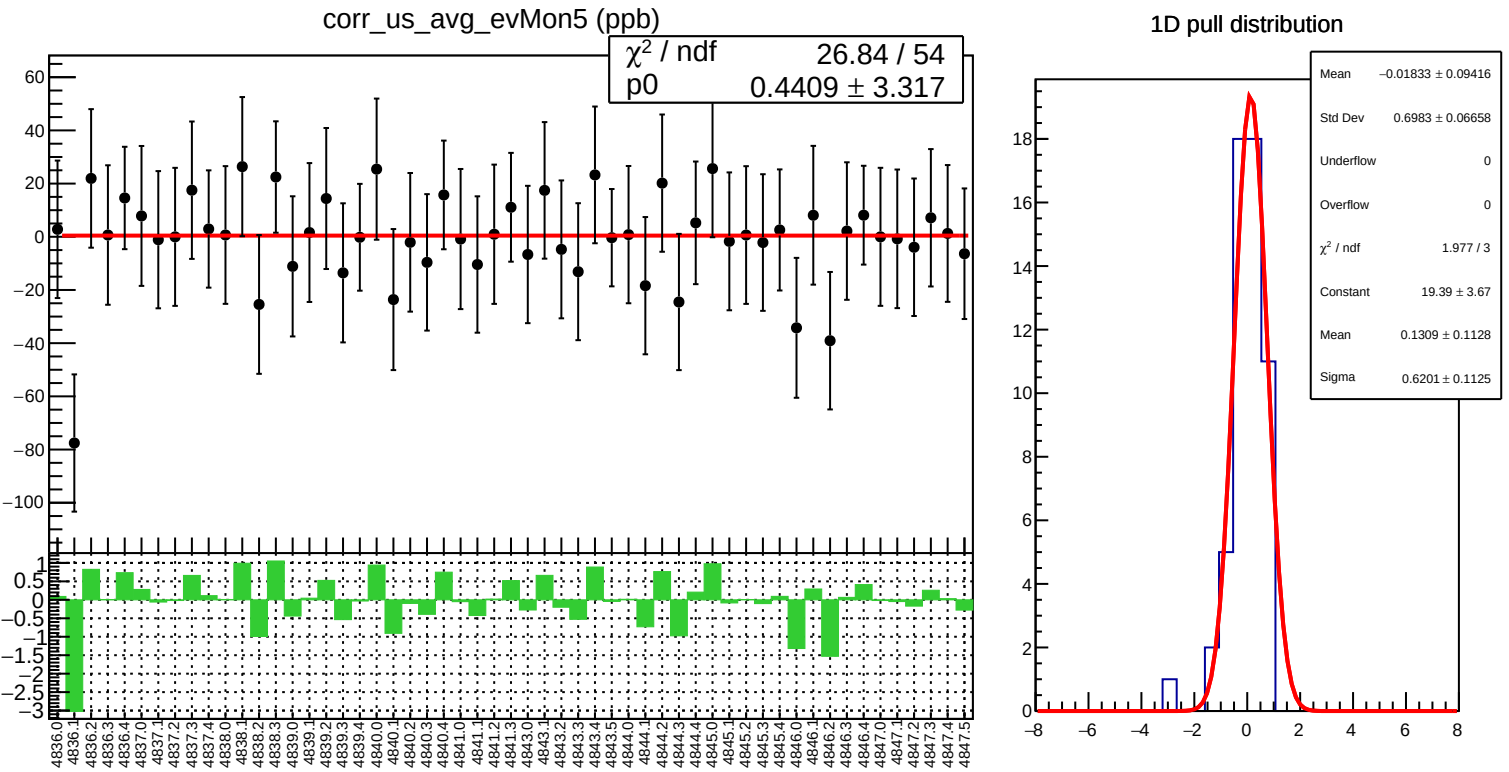

corr_us_avg_evMon3 (ppb)
χ² / ndf 14.09 / 54
p0 9.178 ± 20.4
1D pull distribution
Mean 0.0006822 ± 0.06824
Std Dev 0.5061 ± 0.04825
Underflow 0
Overflow 0
χ² / ndf 2.056 / 3
Constant 22.3 ± 4.0
Mean 0.0612 ± 0.0700
Sigma 0.5056 ± 0.0592

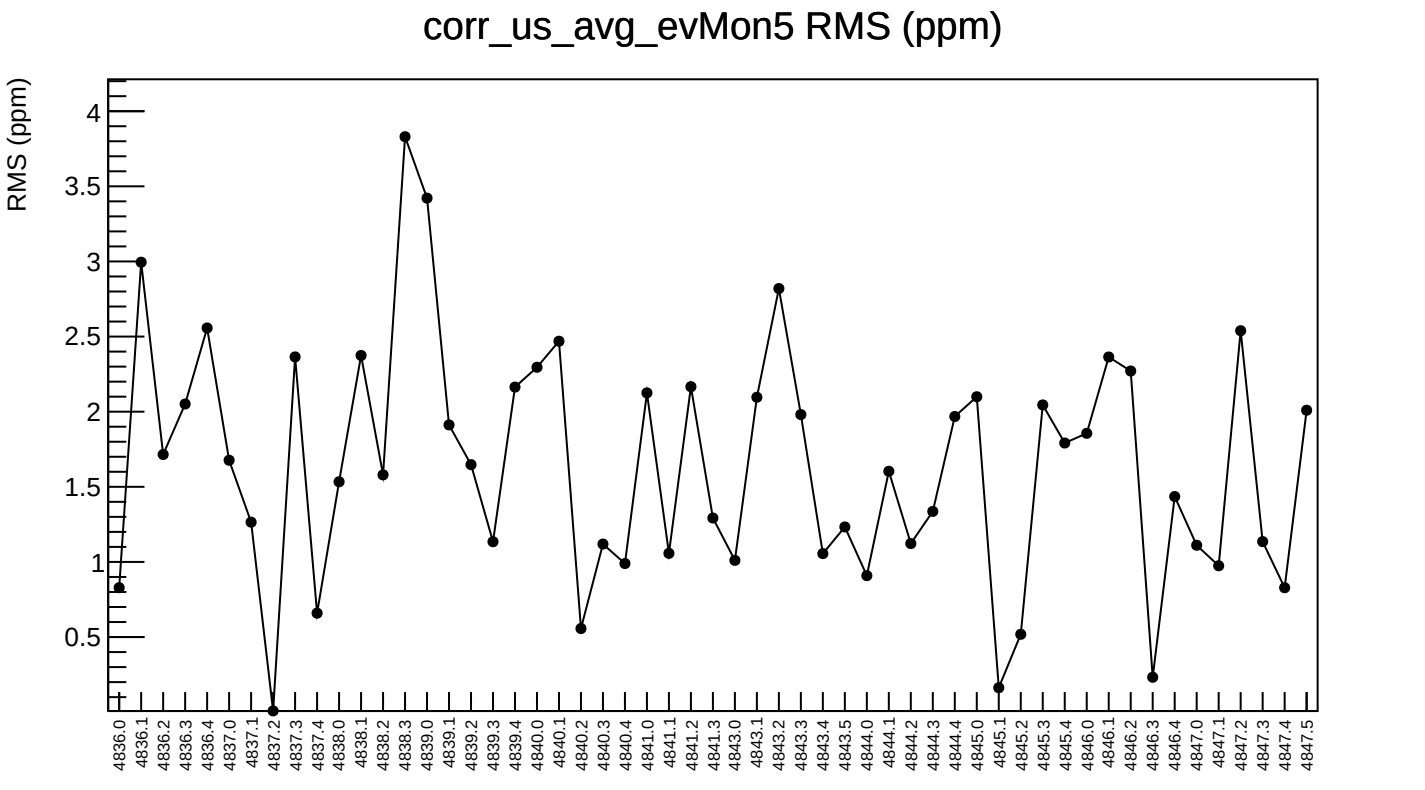

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
8.5
8
7.5
7
6.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

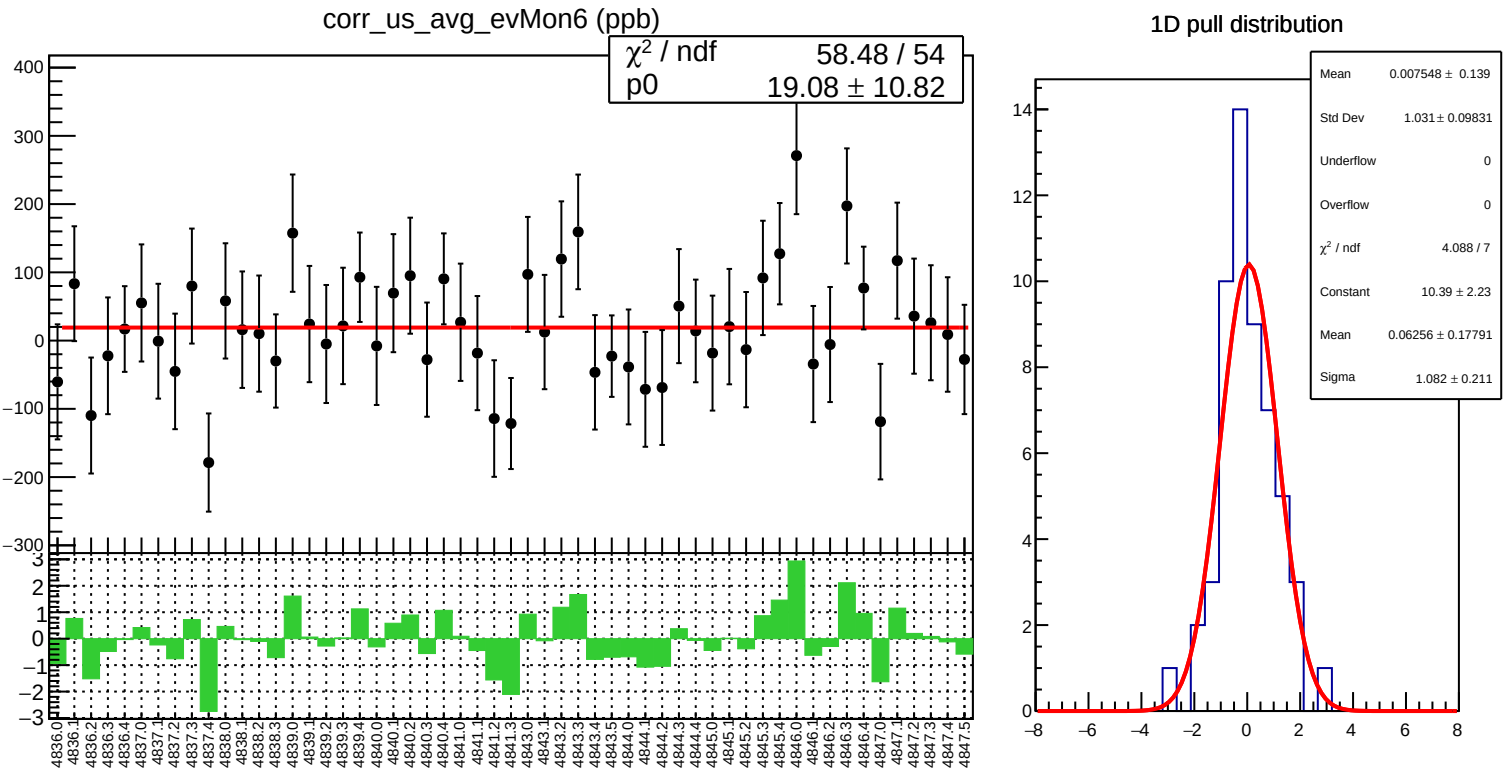

corr_us_avg_evMon4 (ppb)
χ² / ndf 33.04 / 54
p0 85.07 ± 68.9
1500
1000
500
0
−500
−1000
−1500
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

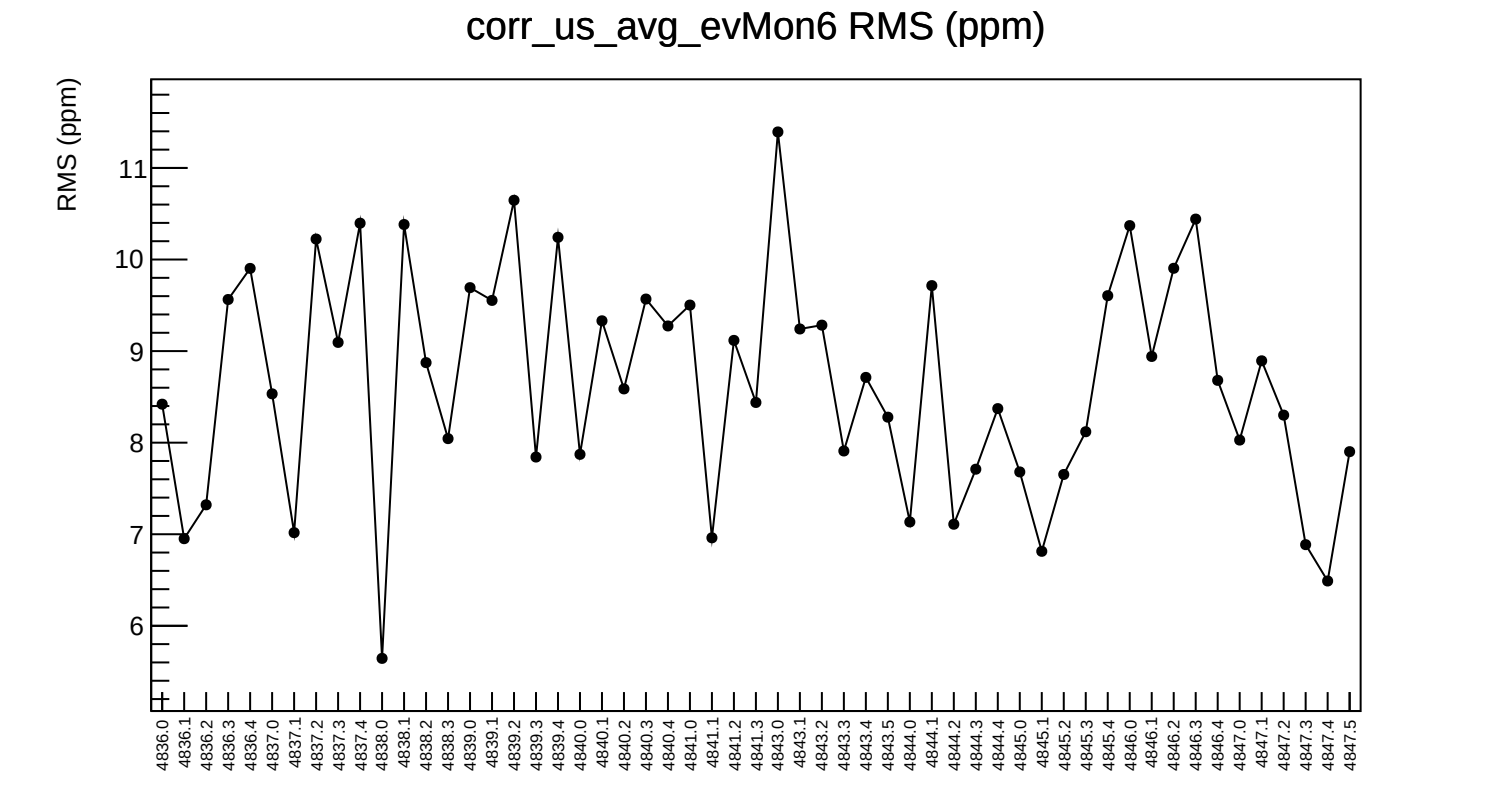

1D pull distribution
Mean −0.01063 ± 0.1045
Std Dev 0.775 ± 0.07389
Underflow 0
Overflow 0
χ² / ndf 4.021 / 5
Constant 13.8 ± 2.5
Mean −0.01935 ± 0.12100
Sigma 0.7908 ± 0.0988
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

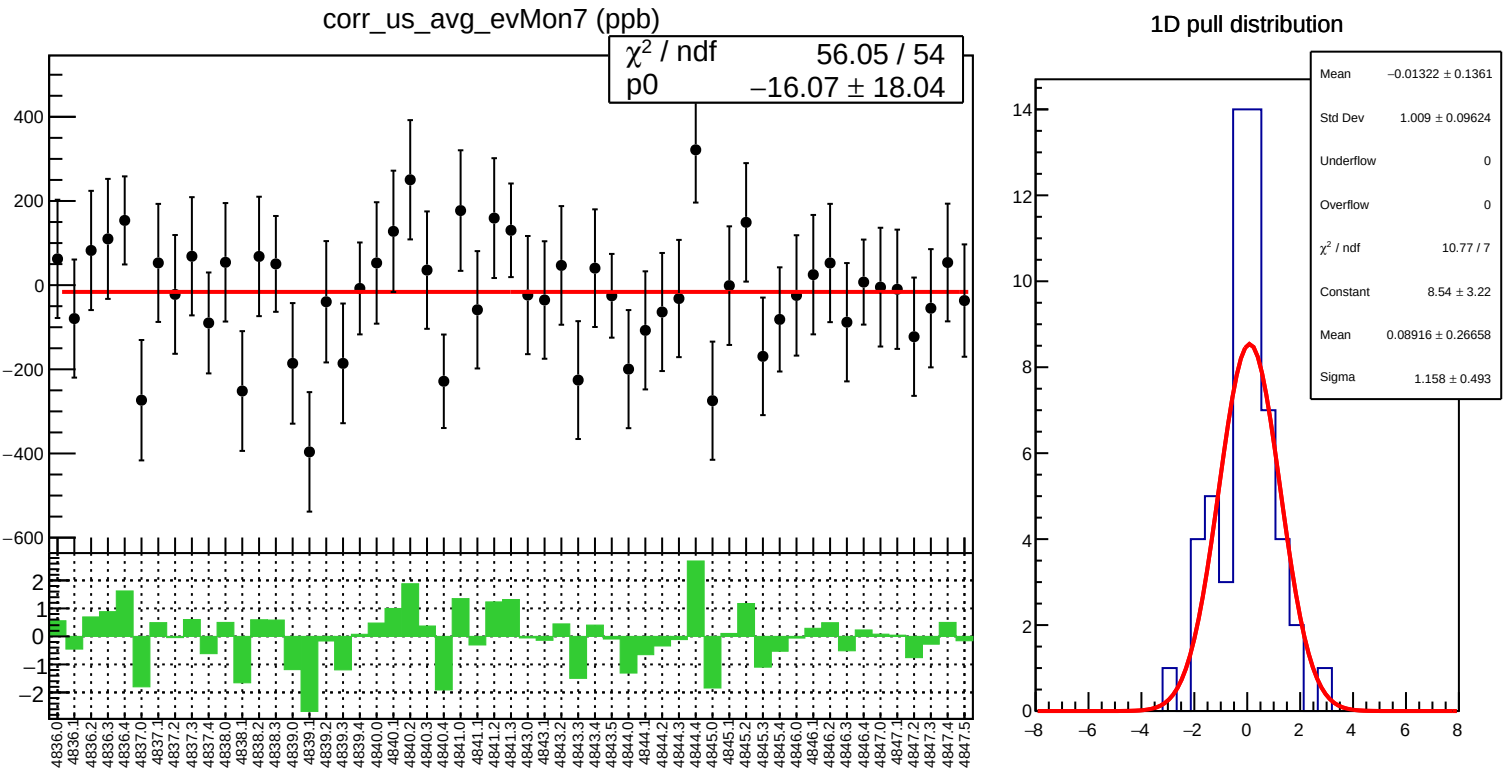

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
43
42
41
40
39
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

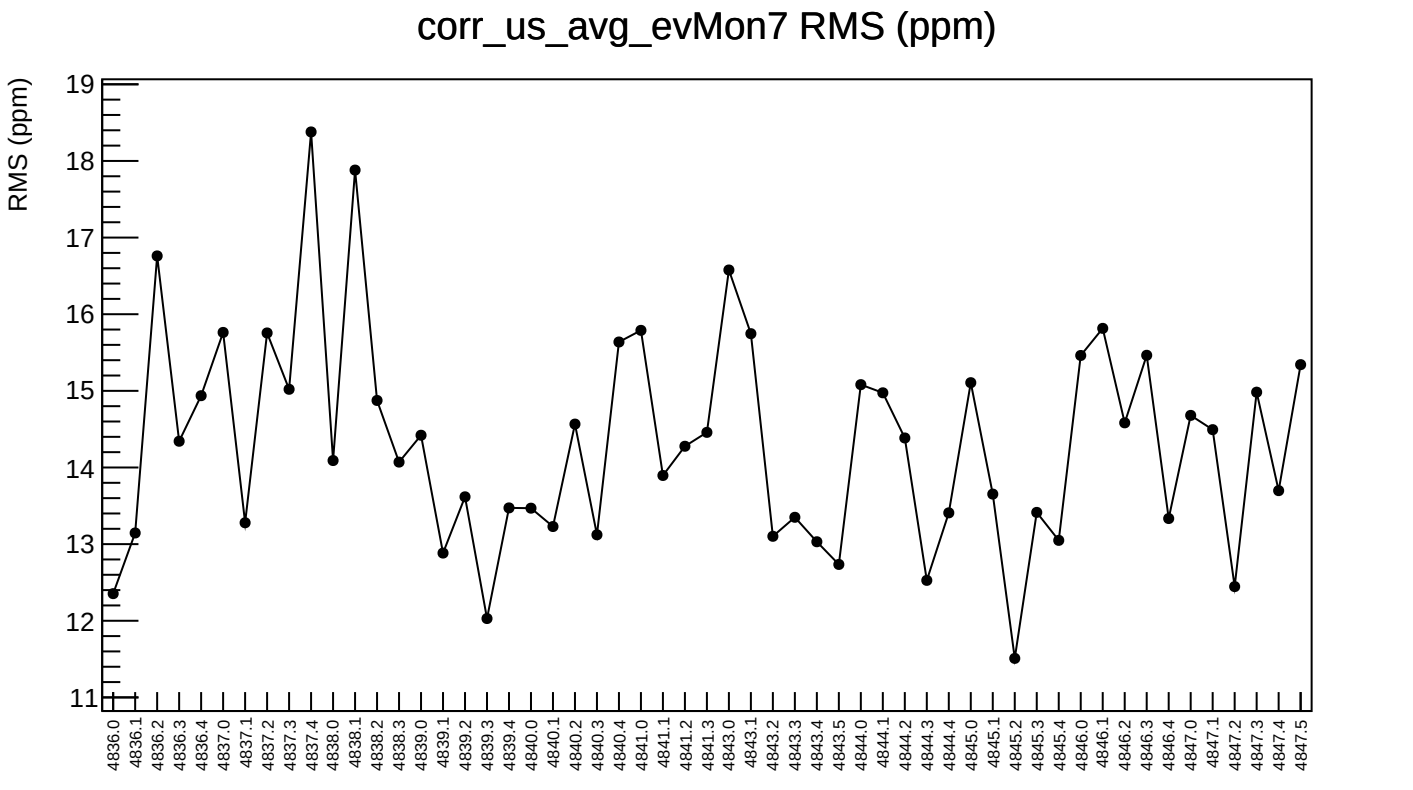

corr_us_avg_evMon5 (ppb)
χ² / ndf 26.84 / 54
p0 0.4409 ± 3.317
1D pull distribution
Mean −0.01833 ± 0.09416
Std Dev 0.6983 ± 0.06658
Underflow 0
Overflow 0
χ² / ndf 1.977 / 3
Constant 19.39 ± 3.67
Mean 0.1309 ± 0.1128
Sigma 0.6201 ± 0.1125

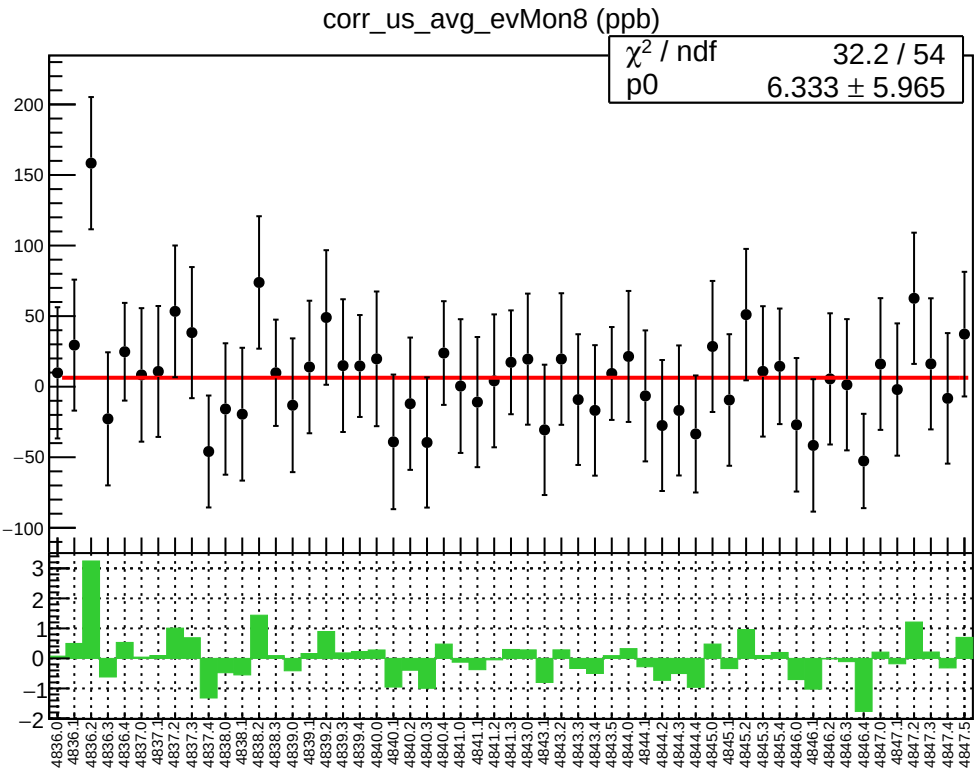

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

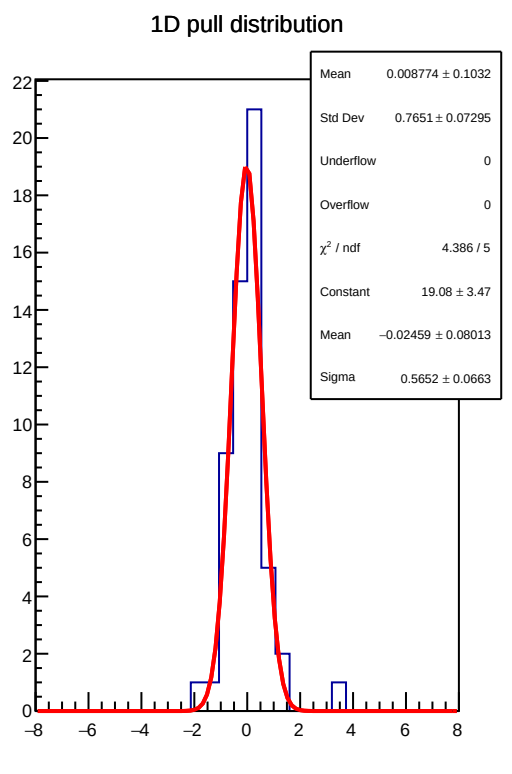

corr_us_avg_evMon6 (ppb)
χ² / ndf 58.48 / 54
p0 19.08 ± 10.82
1D pull distribution
Mean 0.007548 ± 0.139
Std Dev 1.031 ± 0.09831
Underflow 0
Overflow 0
χ² / ndf 4.088 / 7
Constant 10.39 ± 2.23
Mean 0.06256 ± 0.17791
Sigma 1.082 ± 0.211

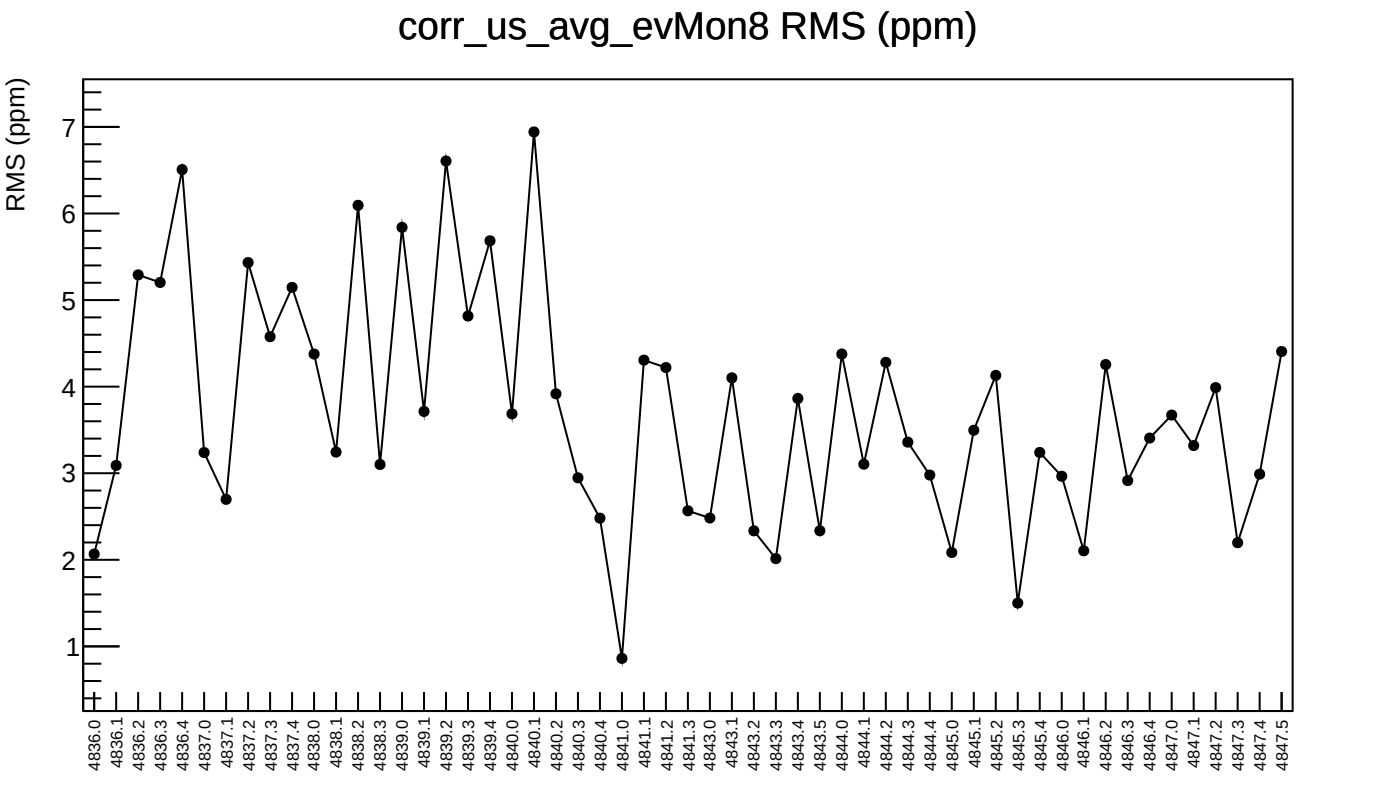

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

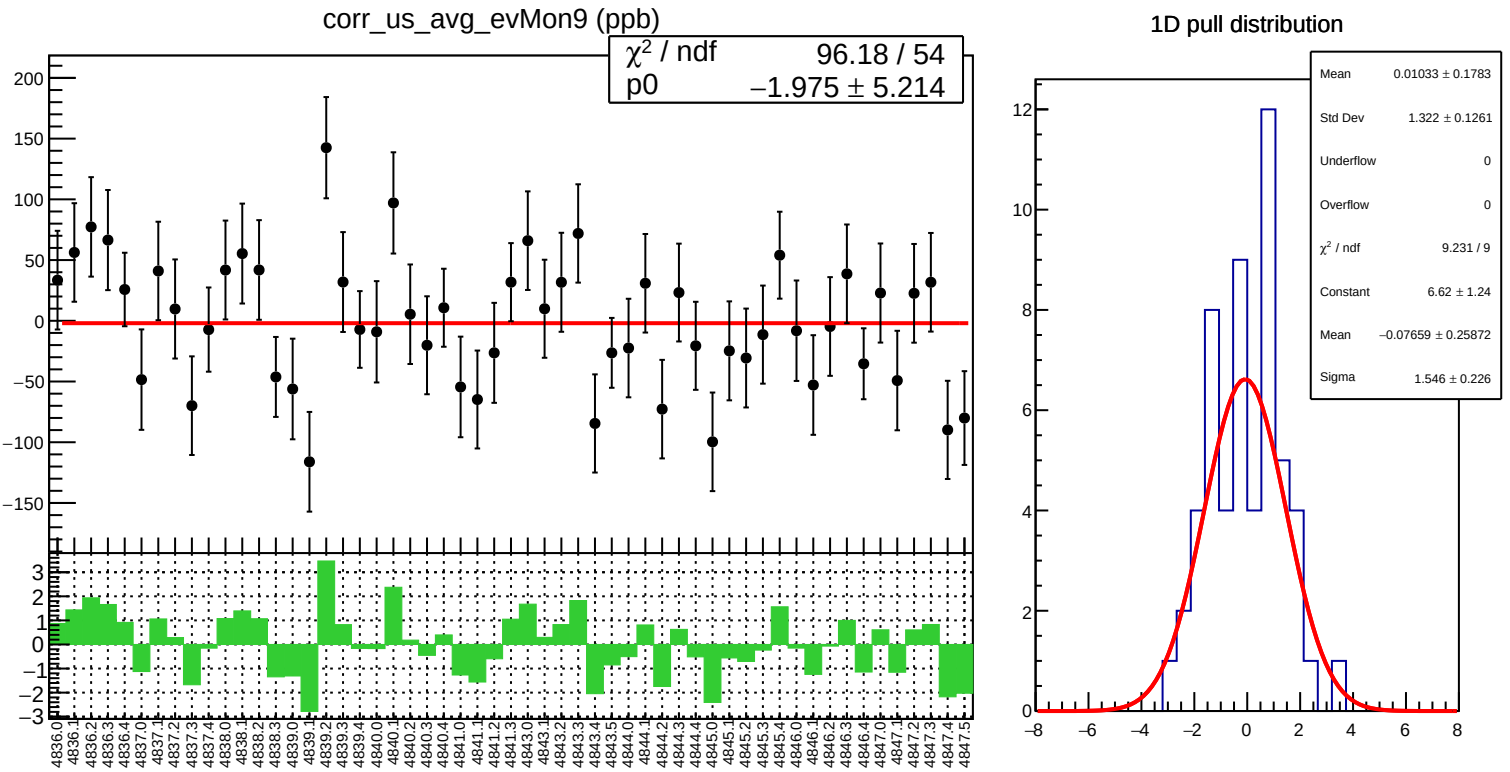

corr_us_avg_evMon7 (ppb)
χ² / ndf 56.05 / 54
p0 −16.07 ± 18.04
400
200
0
−200
−400
−600
2
1
0
−1
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5
1D pull distribution
Mean −0.01322 ± 0.1361
Std Dev 1.009 ± 0.09624
Underflow 0
Overflow 0
χ² / ndf 10.77 / 7
Constant 8.54 ± 3.22
Mean 0.08916 ± 0.26658
Sigma 1.158 ± 0.493
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

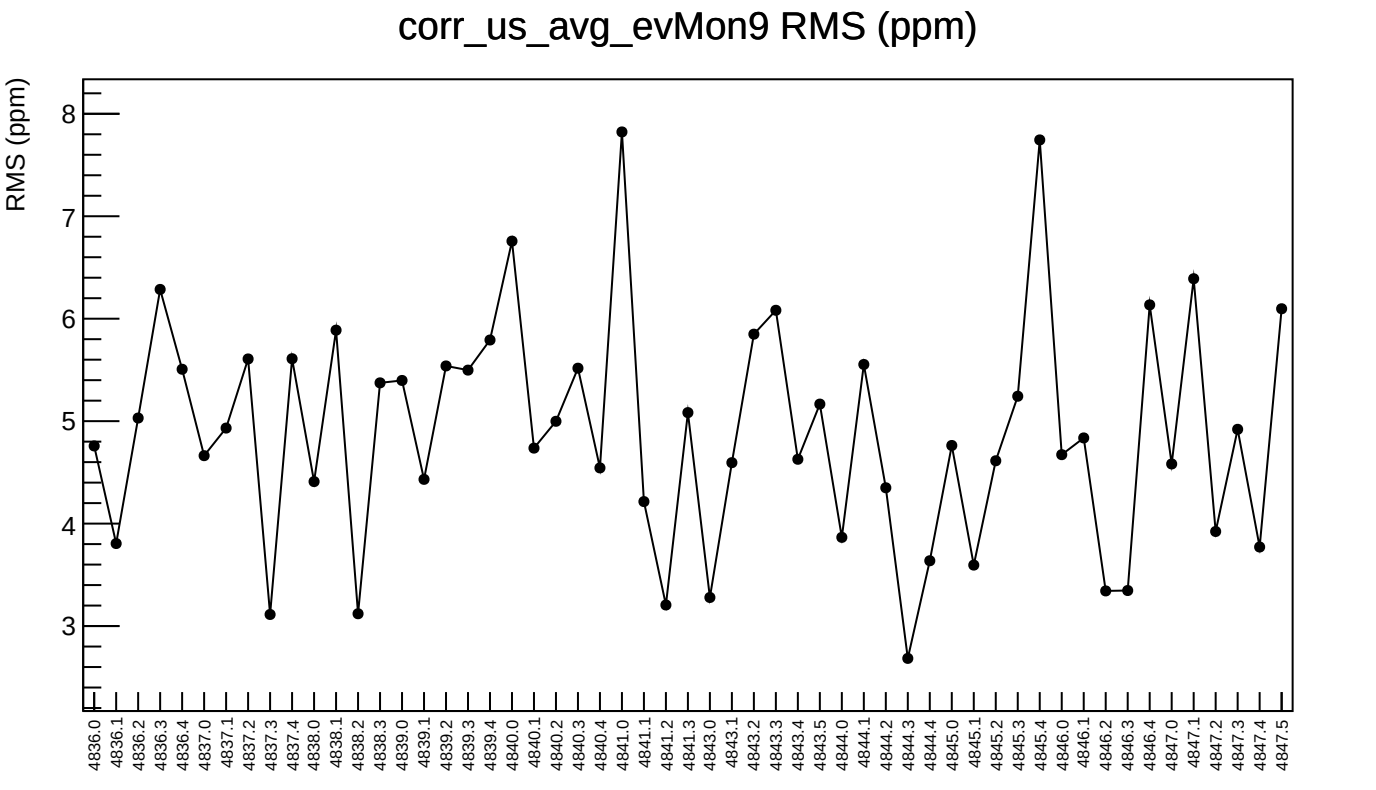

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
19
18
17
16
15
14
13
12
11
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

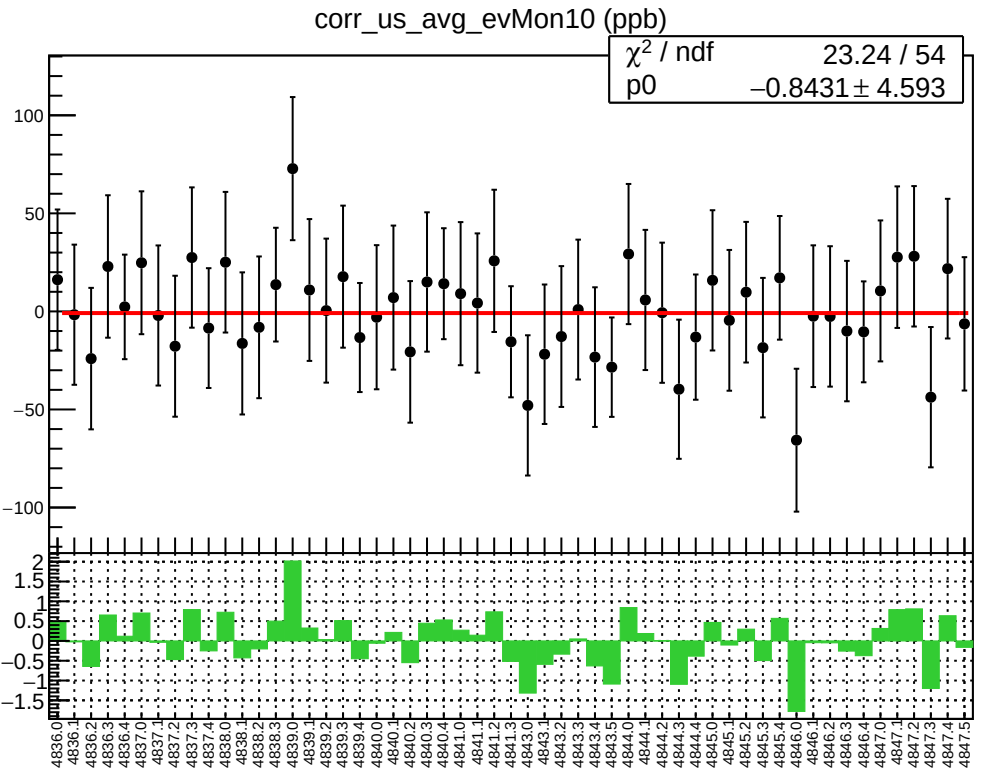

corr_us_avg_evMon8 (ppb)
χ² / ndf 32.2 / 54
p0 6.333 ± 5.965

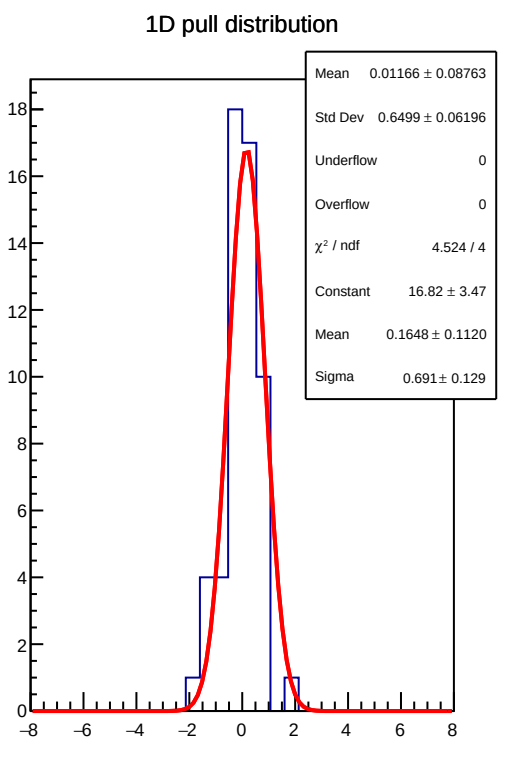

1D pull distribution
Mean 0.008774 ± 0.1032
Std Dev 0.7651 ± 0.07295
Underflow 0
Overflow 0
χ² / ndf 4.386 / 5
Constant 19.08 ± 3.47
Mean −0.02459 ± 0.08013
Sigma 0.5652 ± 0.0663

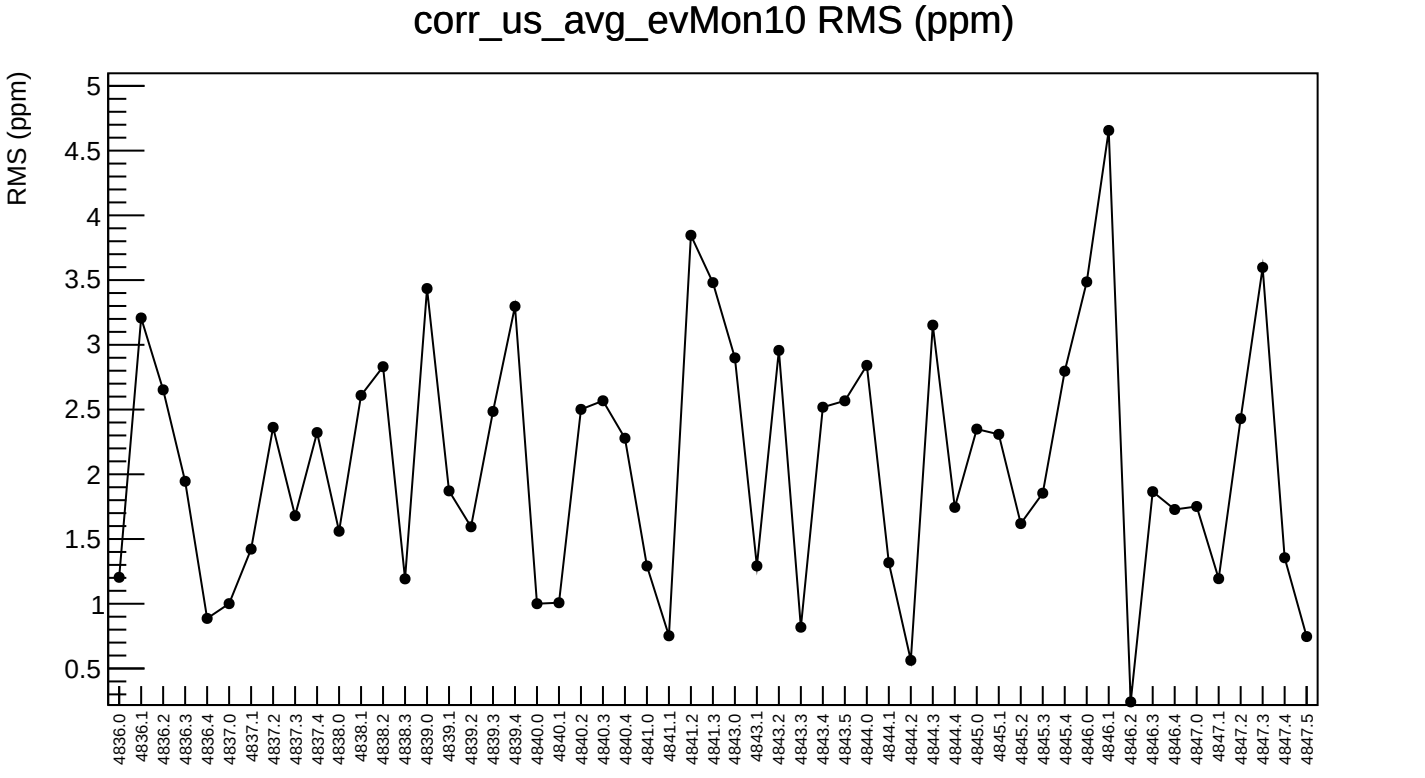

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

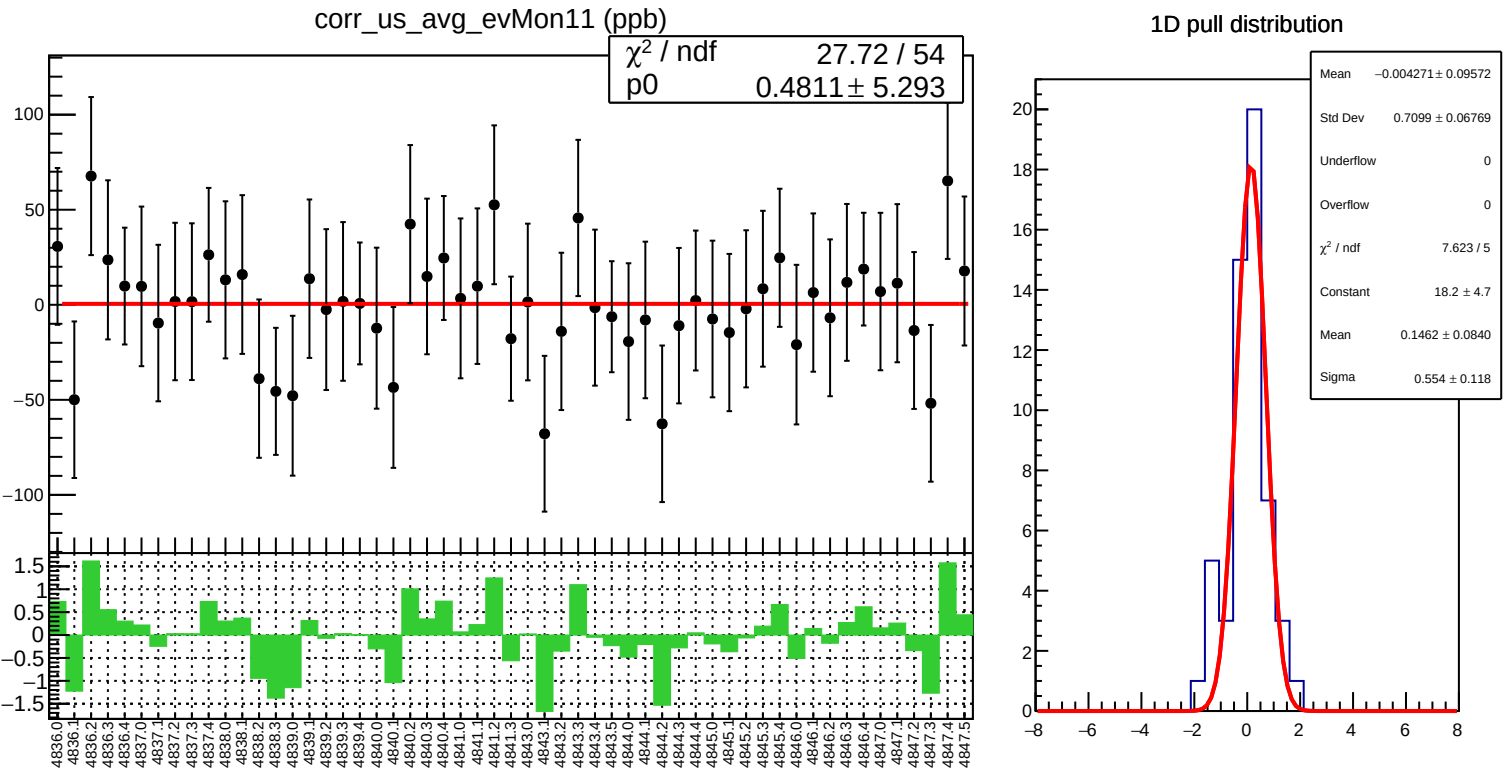

corr_us_avg_evMon9 (ppb)
χ² / ndf 96.18 / 54
p0 −1.975 ± 5.214
1D pull distribution
Mean 0.01033 ± 0.1783
Std Dev 1.322 ± 0.1261
Underflow 0
Overflow 0
χ² / ndf 9.231 / 9
Constant 6.62 ± 1.24
Mean −0.07659 ± 0.25872
Sigma 1.546 ± 0.226

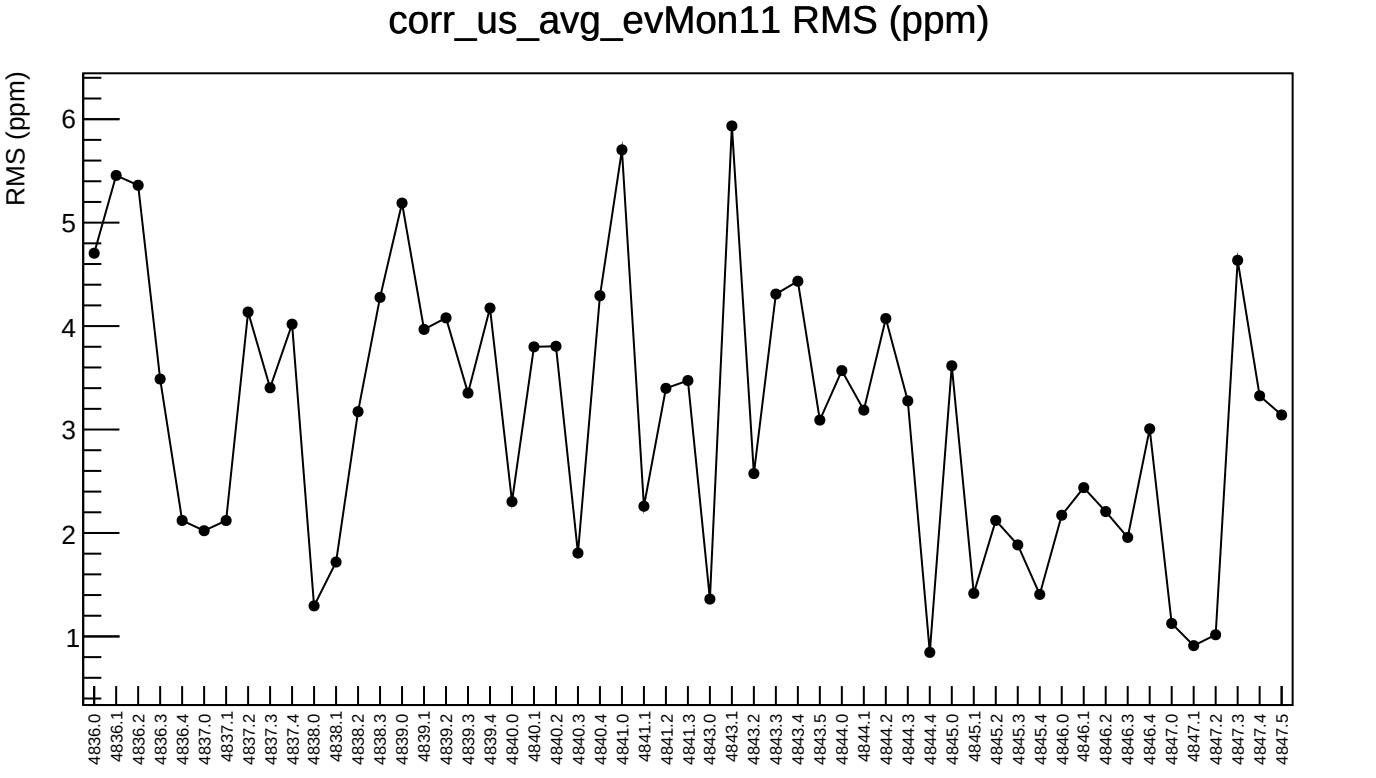

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

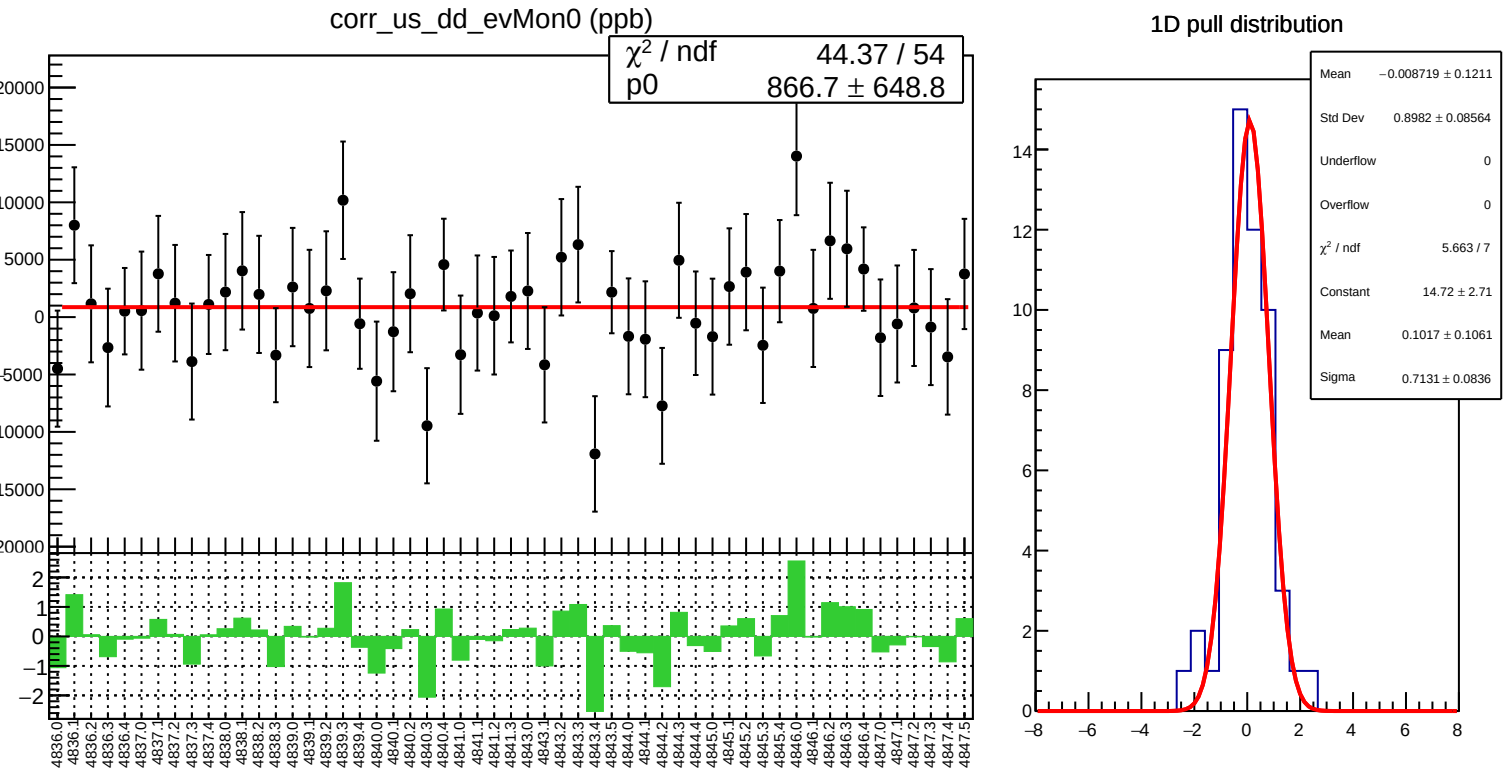

corr_us_avg_evMon10 (ppb)
χ² / ndf 23.24 / 54
p0 −0.8431 ± 4.593
100
50
0
−50
−100
2
1.5
1
0.5
0
−0.5
−1
−1.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

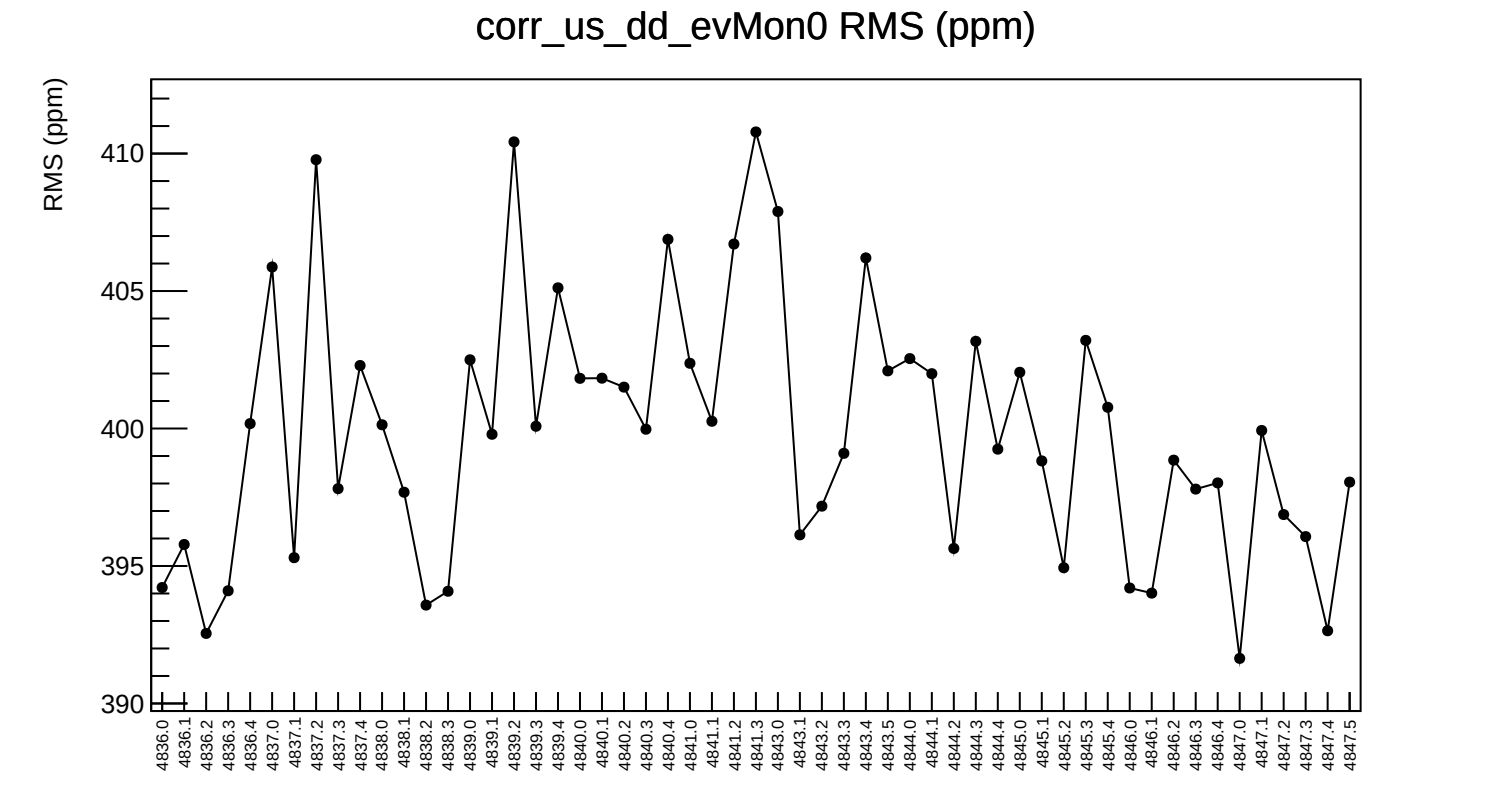

1D pull distribution
Mean 0.01166 ± 0.08763
Std Dev 0.6499 ± 0.06196
Underflow 0
Overflow 0
χ² / ndf 4.524 / 4
Constant 16.82 ± 3.47
Mean 0.1648 ± 0.1120
Sigma 0.691 ± 0.129
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

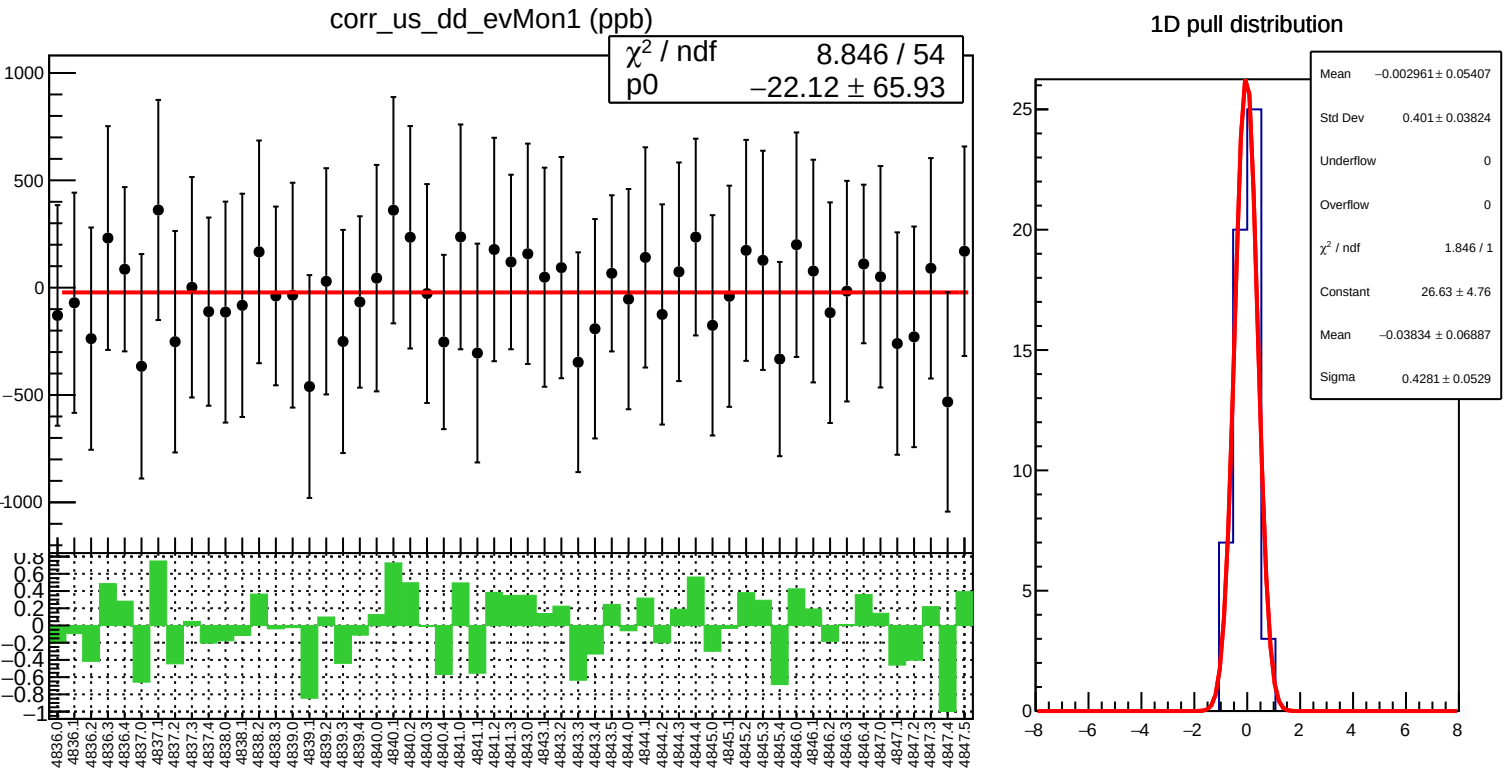

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

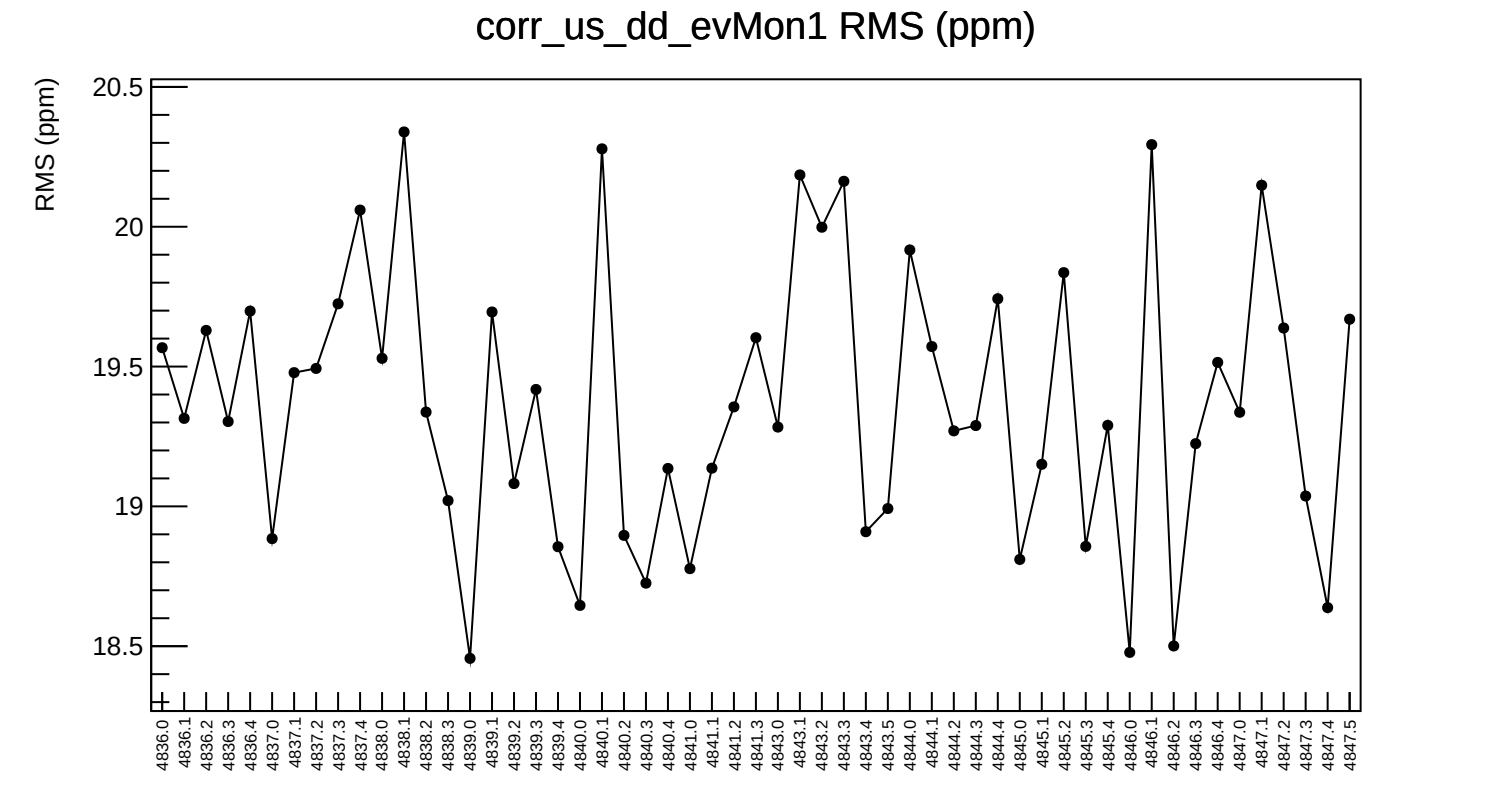

corr_us_avg_evMon11 (ppb)
χ² / ndf 27.72 / 54
p0 0.4811 ± 5.293
1D pull distribution
Mean −0.004271 ± 0.09572
Std Dev 0.7099 ± 0.06769
Underflow 0
Overflow 0
χ² / ndf 7.623 / 5
Constant 18.2 ± 4.7
Mean 0.1462 ± 0.0840
Sigma 0.554 ± 0.118

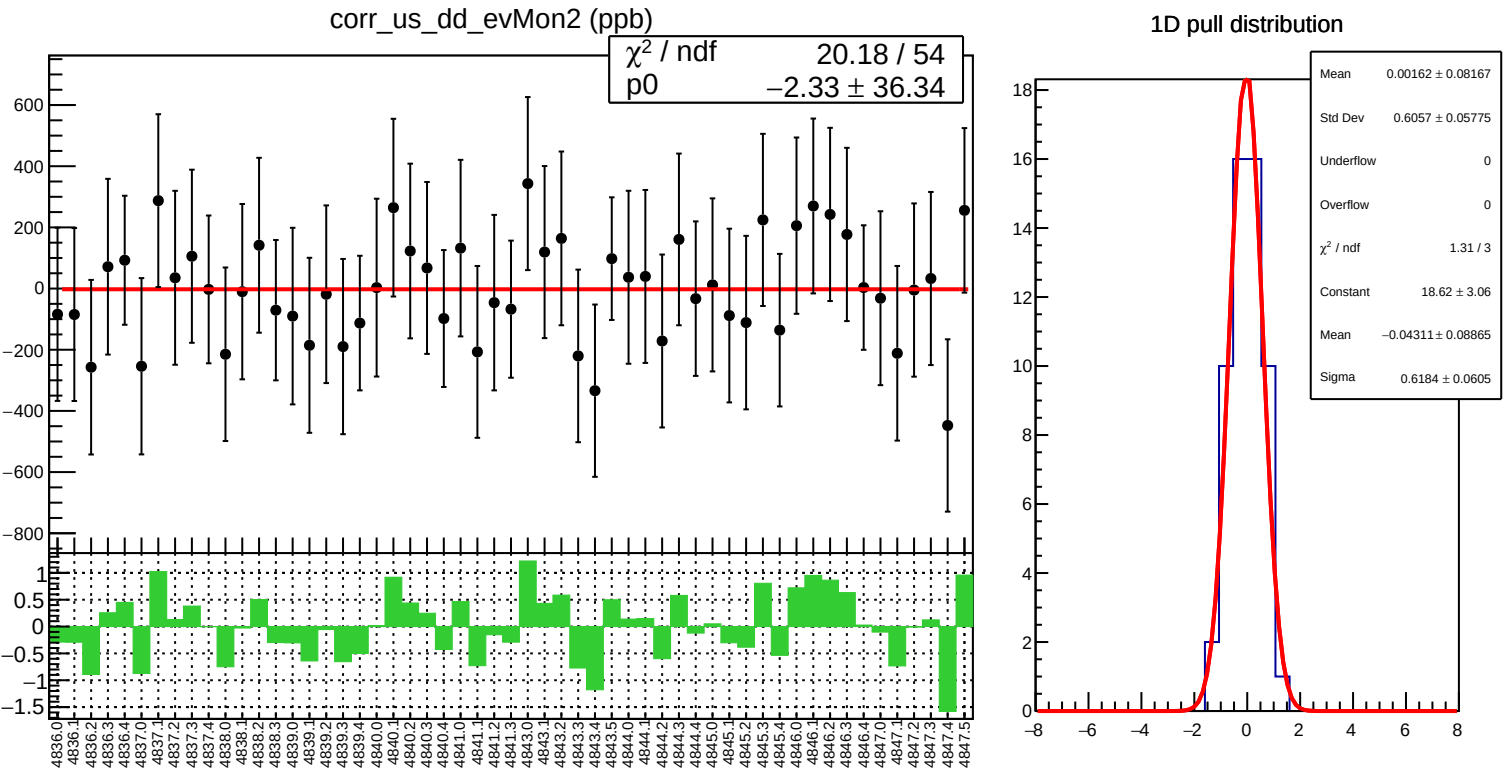

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

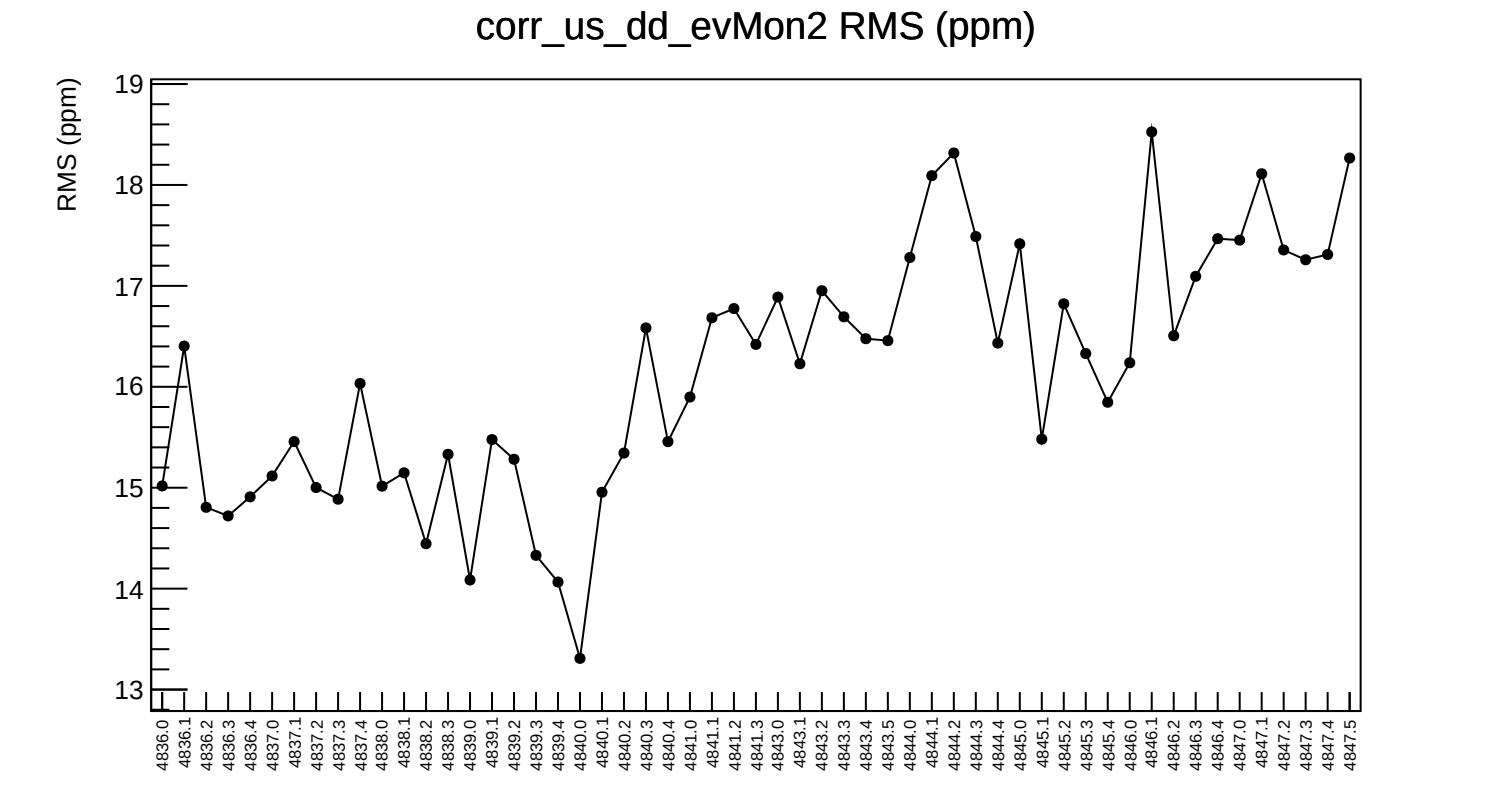

corr_us_dd_evMon0 (ppb)
χ² / ndf 44.37 / 54
p0 866.7 ± 648.8
1D pull distribution
Mean −0.008719 ± 0.1211
Std Dev 0.8982 ± 0.08564
Underflow 0
Overflow 0
χ² / ndf 5.663 / 7
Constant 14.72 ± 2.71
Mean 0.1017 ± 0.1061
Sigma 0.7131 ± 0.0836

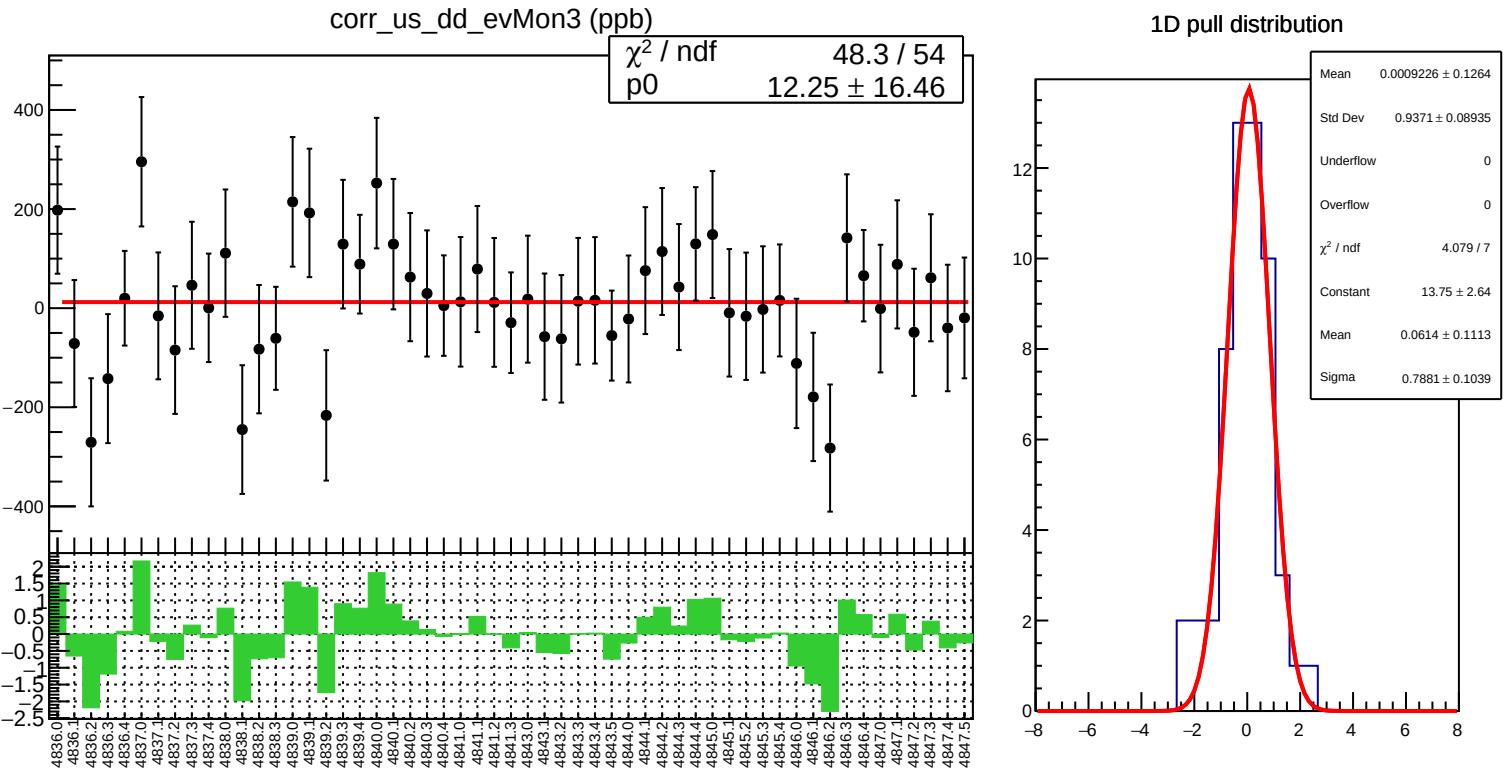

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
410
405
400
395
390
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

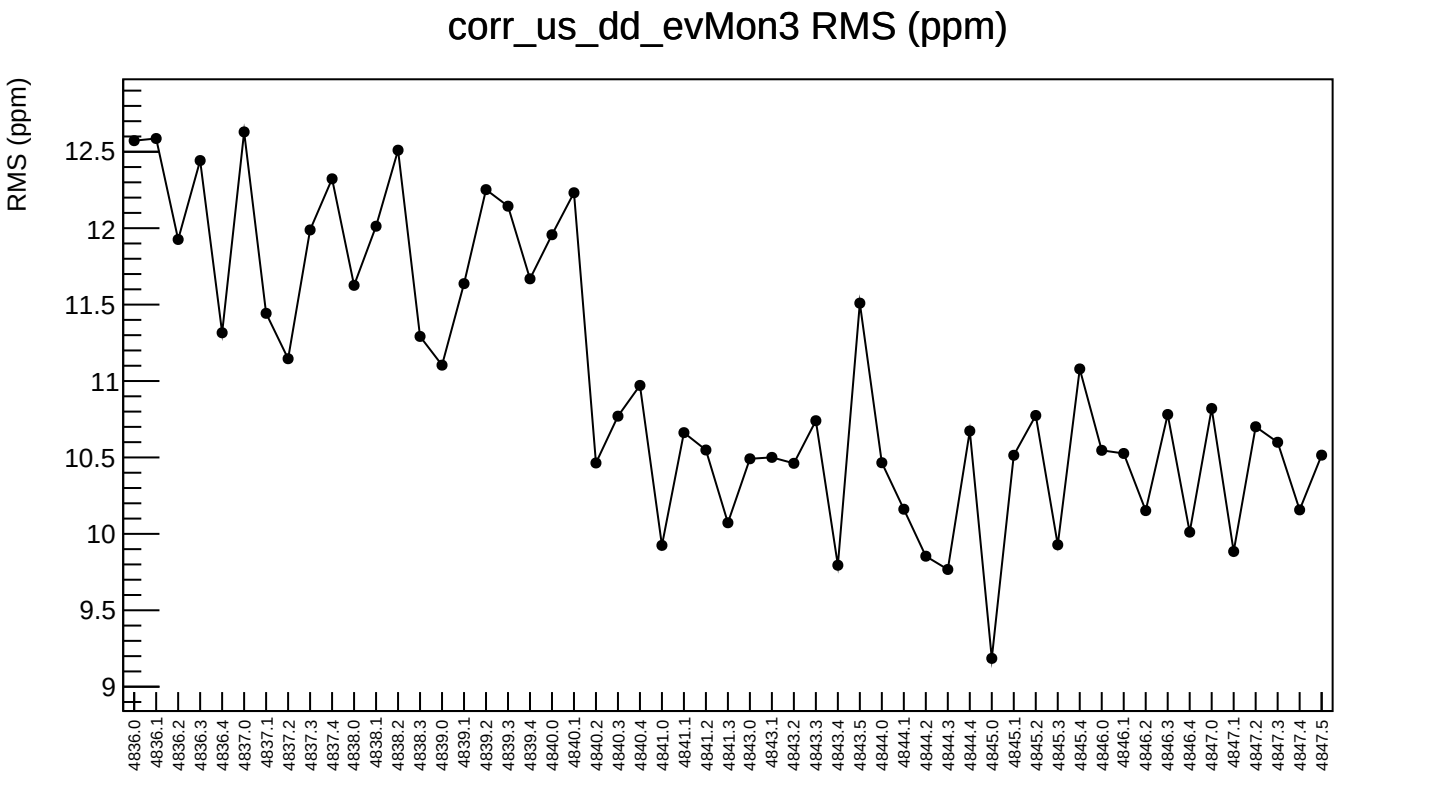

corr_us_dd_evMon1 (ppb)
χ² / ndf 8.846 / 54
p0 −22.12 ± 65.93
1000
500
0
−500
−1000
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5
1D pull distribution
Mean −0.002961 ± 0.05407
Std Dev 0.401 ± 0.03824
Underflow 0
Overflow 0
χ² / ndf 1.846 / 1
Constant 26.63 ± 4.76
Mean −0.03834 ± 0.06887
Sigma 0.4281 ± 0.0529
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

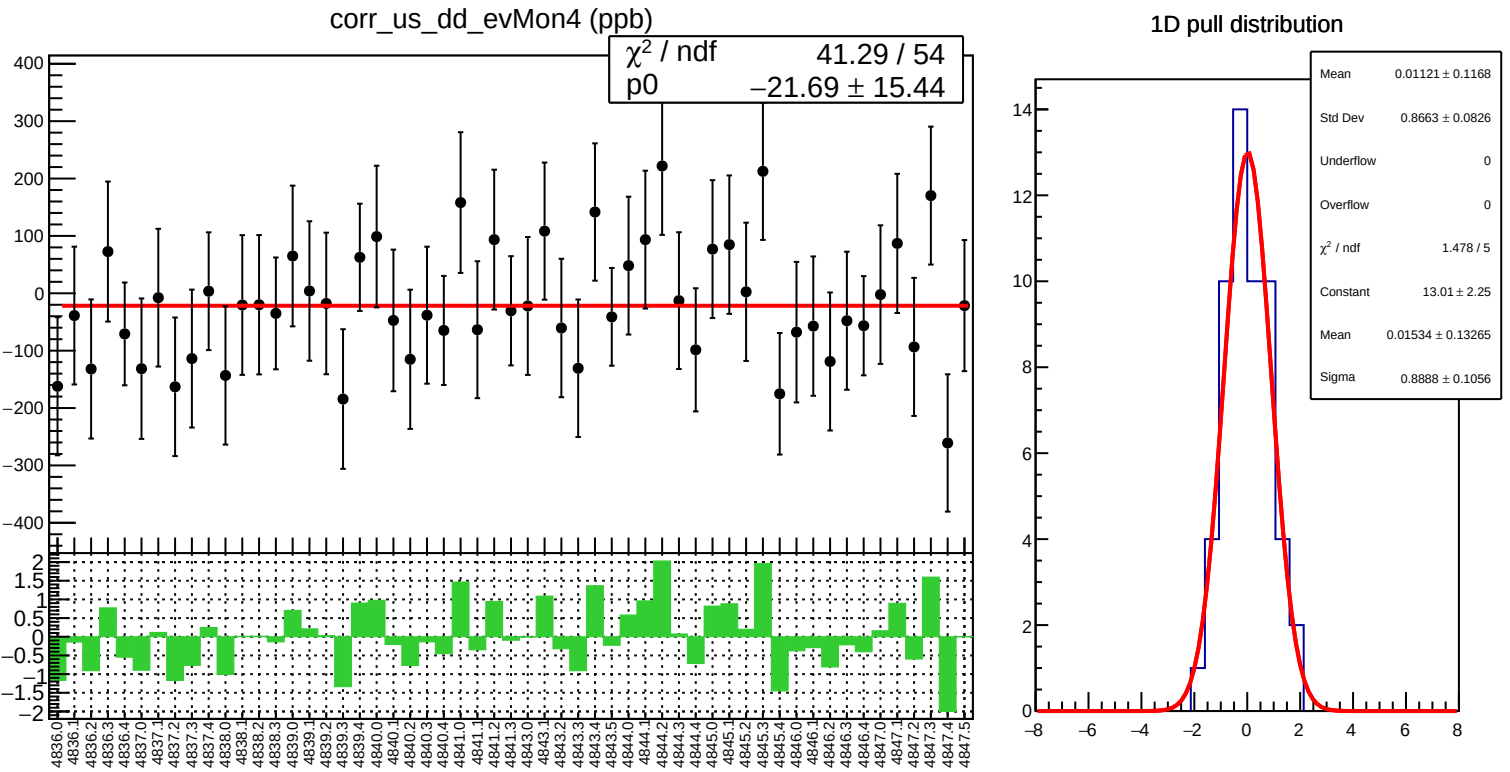

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
20.5
20
19.5
19
18.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

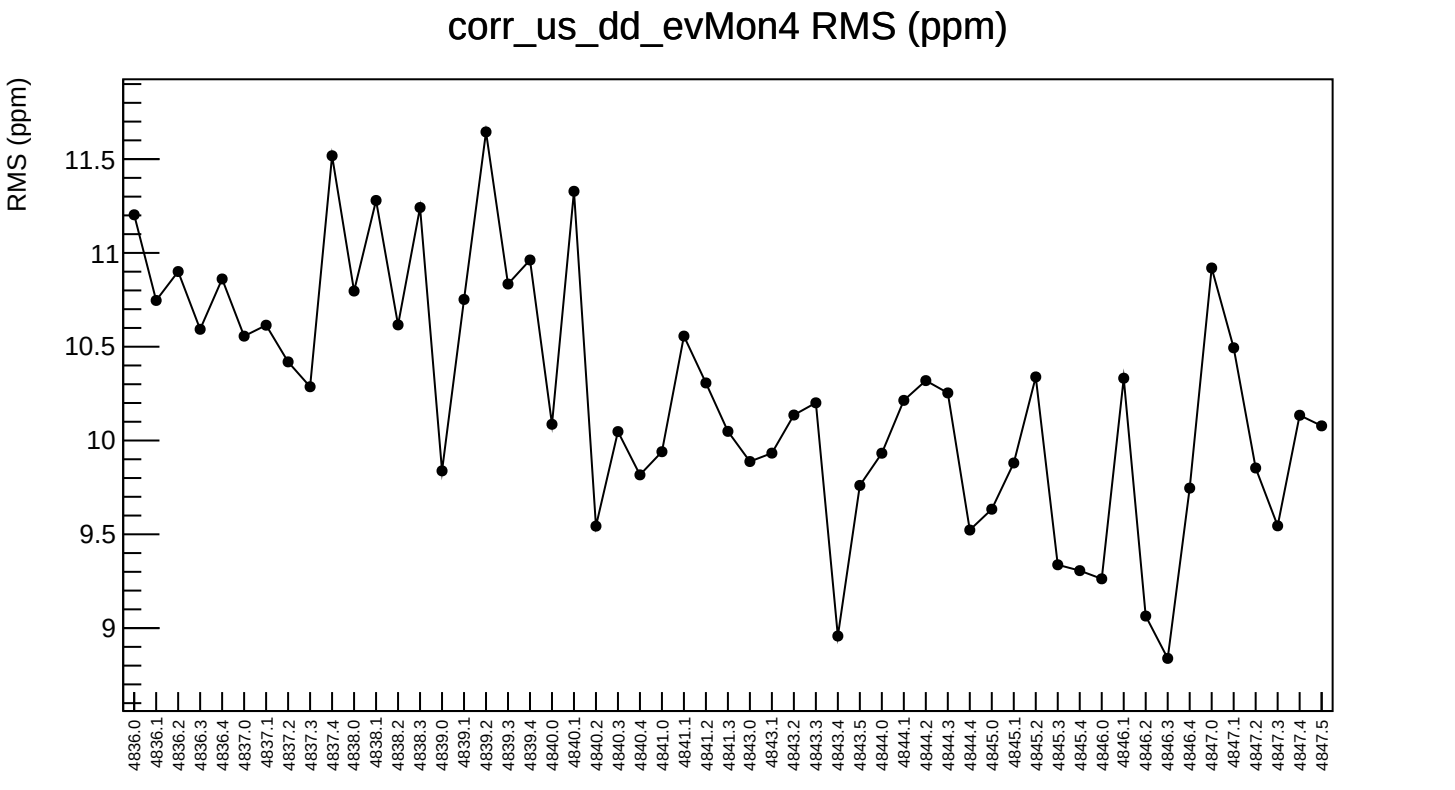

corr_us_dd_evMon2 (ppb)
χ² / ndf 20.18 / 54
p0 −2.33 ± 36.34
1D pull distribution
Mean 0.00162 ± 0.08167
Std Dev 0.6057 ± 0.05775
Underflow 0
Overflow 0
χ² / ndf 1.31 / 3
Constant 18.62 ± 3.06
Mean −0.04311 ± 0.08865
Sigma 0.6184 ± 0.0605

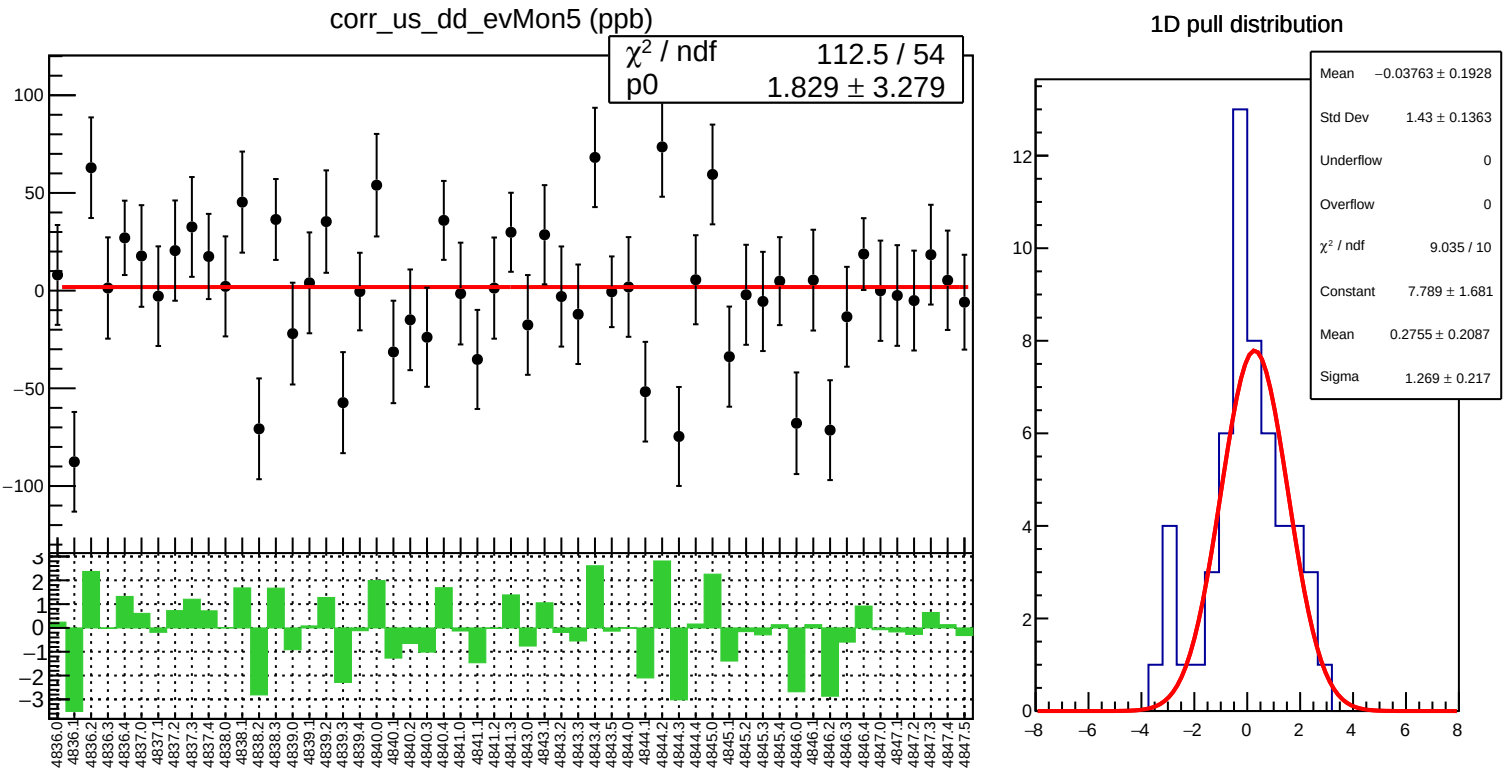

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
19
18
17
16
15
14
13
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

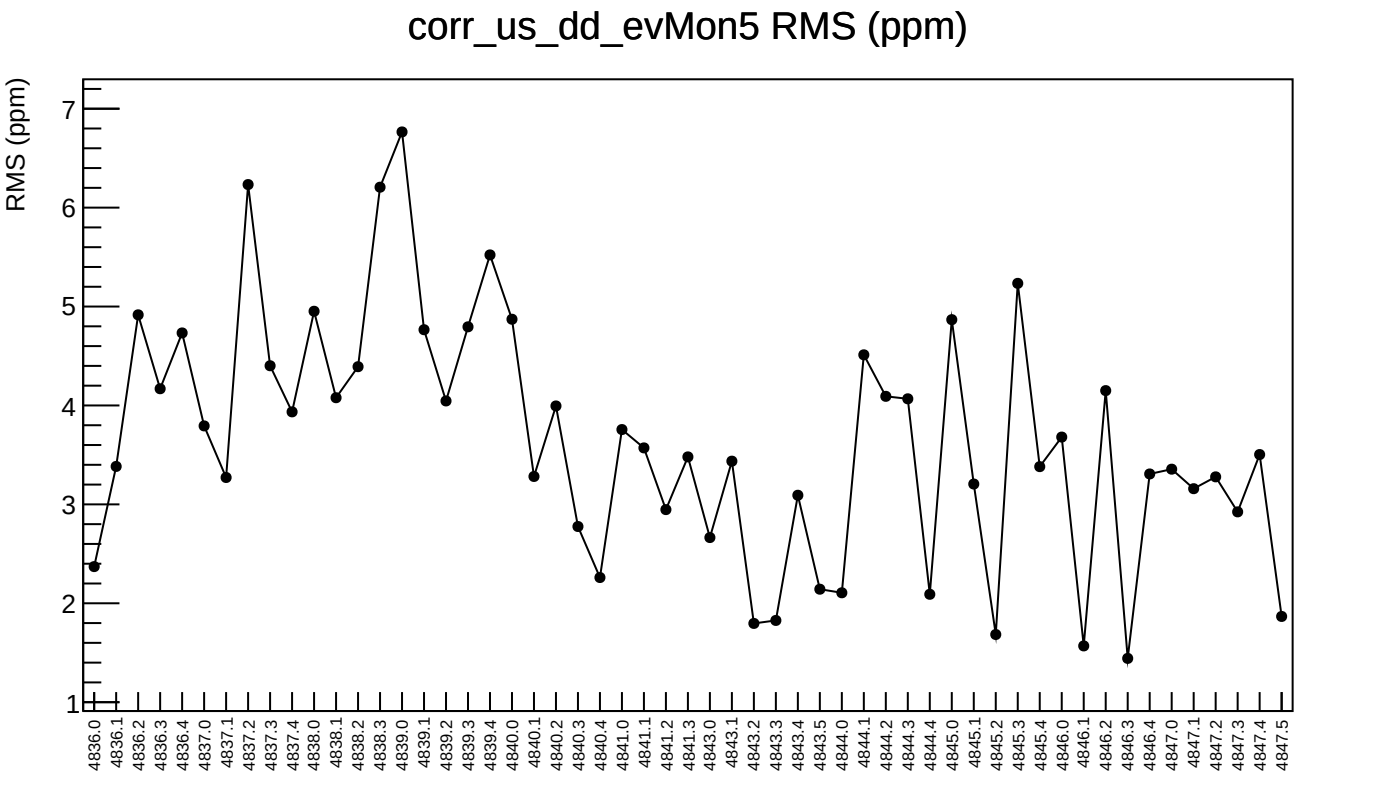

corr_us_dd_evMon3 (ppb)
χ² / ndf 48.3 / 54
p0 12.25 ± 16.46
1D pull distribution
Mean 0.0009226 ± 0.1264
Std Dev 0.9371 ± 0.08935
Underflow 0
Overflow 0
χ² / ndf 4.079 / 7
Constant 13.75 ± 2.64
Mean 0.0614 ± 0.1113
Sigma 0.7881 ± 0.1039

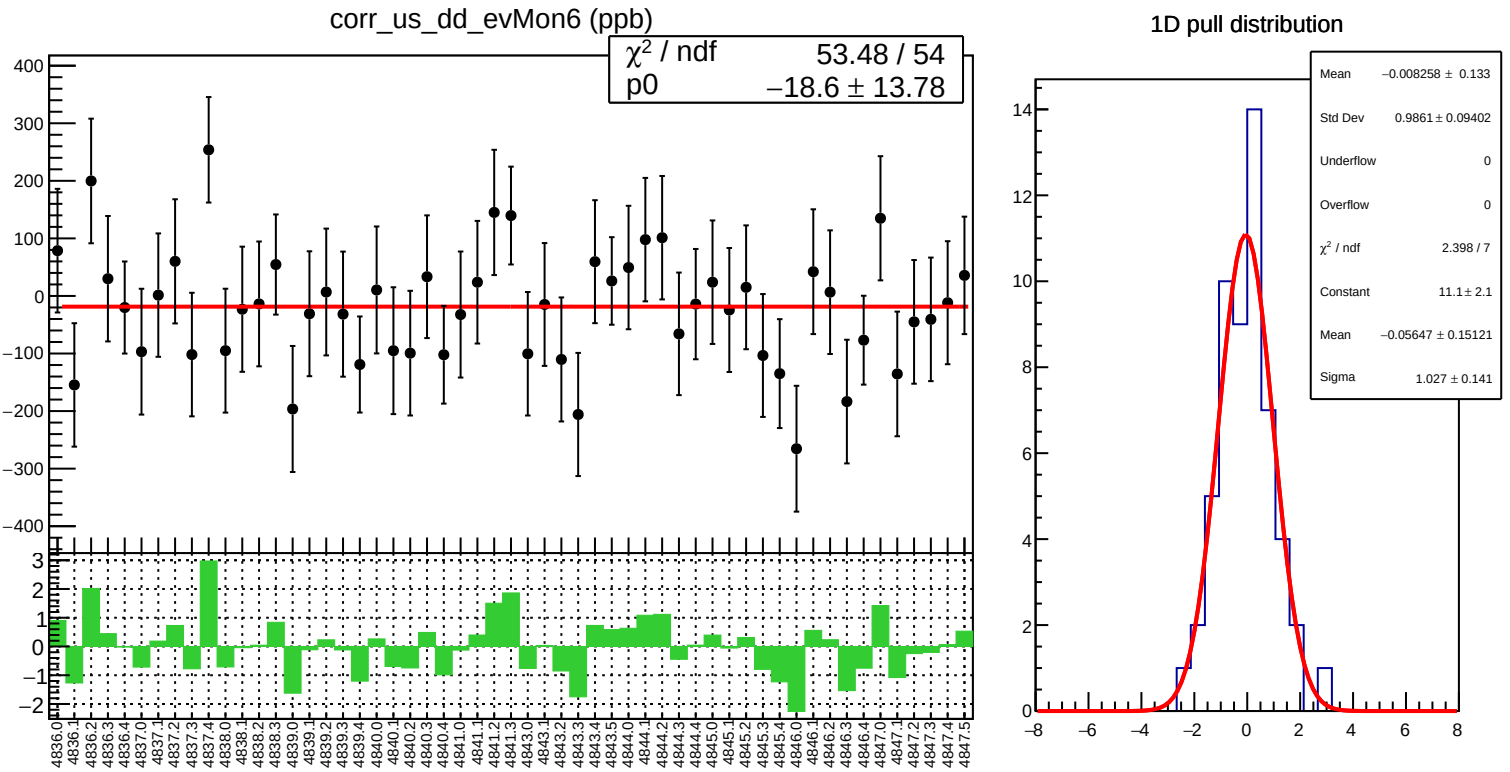

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
12.5
12
11.5
11
10.5
10
9.5
9
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

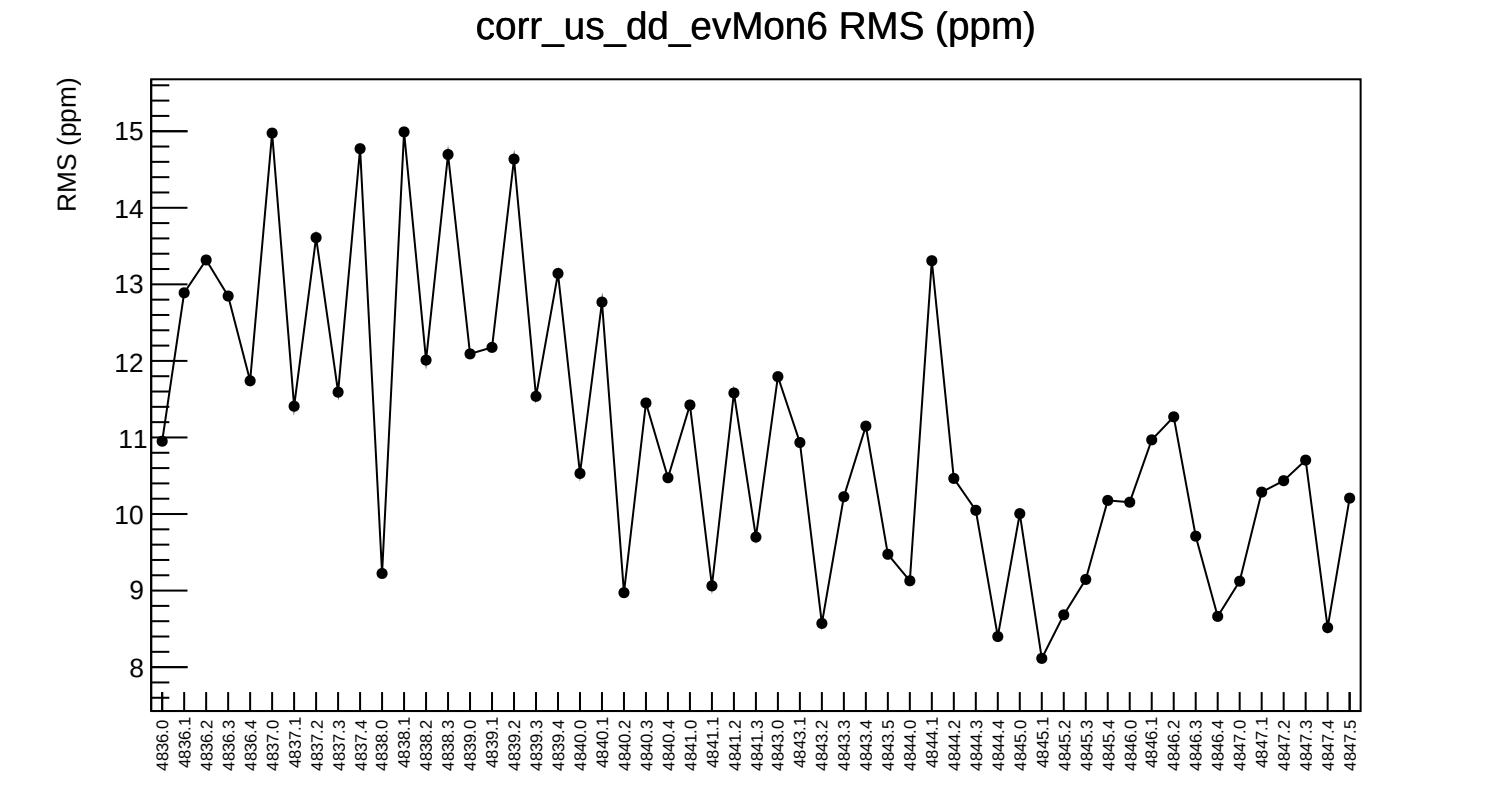

corr_us_dd_evMon4 (ppb)
χ² / ndf 41.29 / 54
p0 −21.69 ± 15.44
1D pull distribution
Mean 0.01121 ± 0.1168
Std Dev 0.8663 ± 0.0826
Underflow 0
Overflow 0
χ² / ndf 1.478 / 5
Constant 13.01 ± 2.25
Mean 0.01534 ± 0.13265
Sigma 0.8888 ± 0.1056

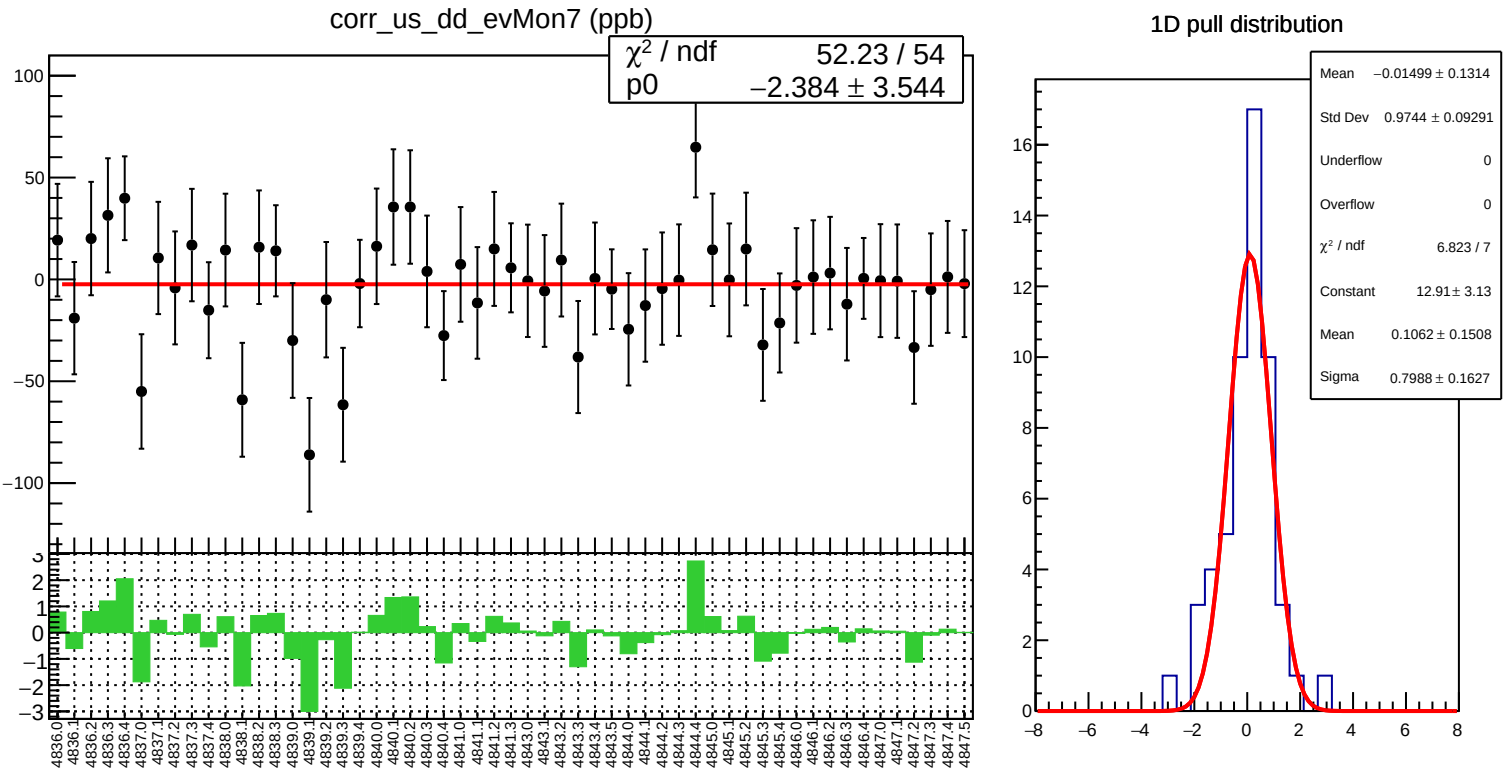

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
11.5
11
10.5
10
9.5
9
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

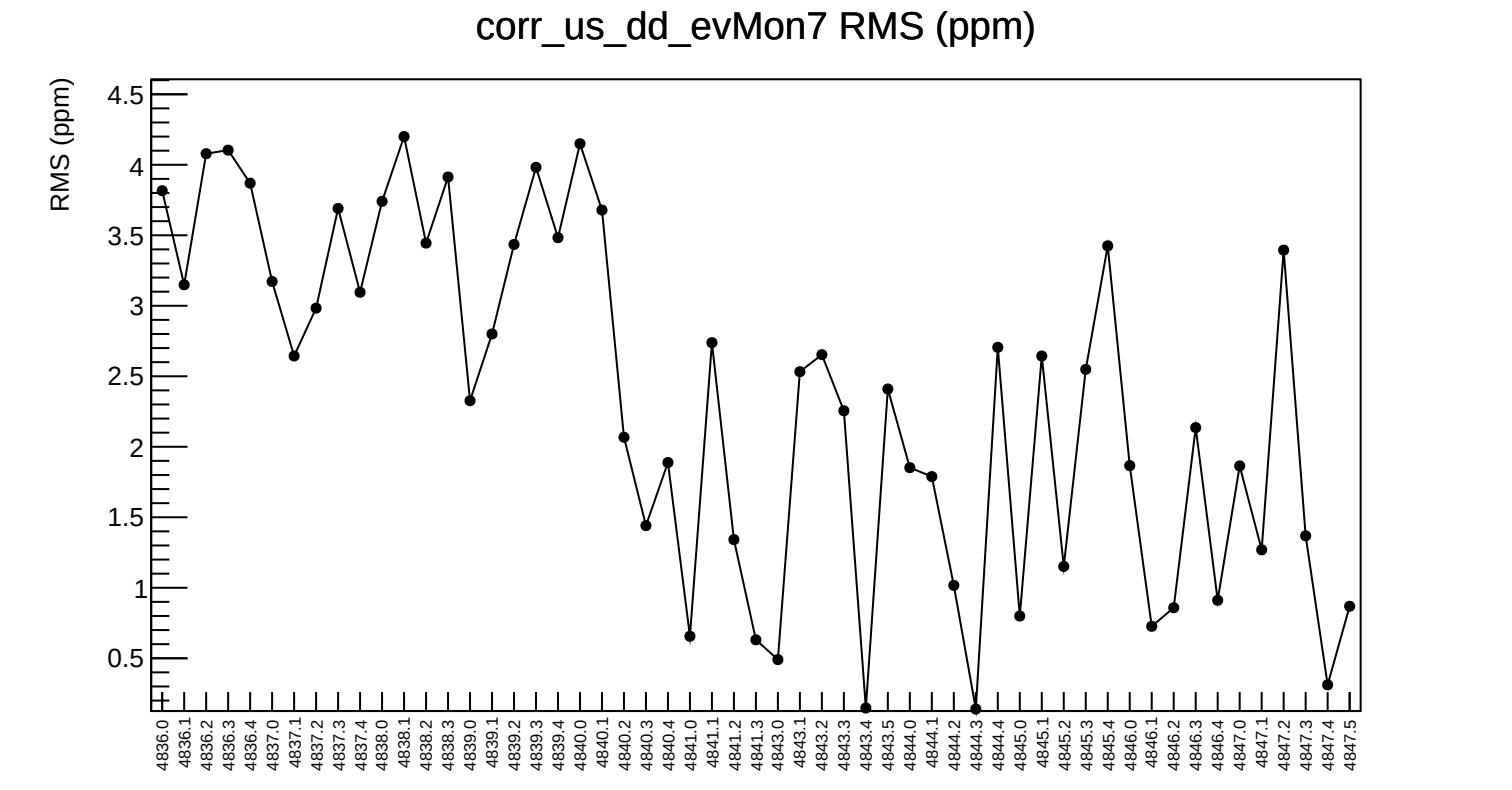

corr_us_dd_evMon5 (ppb)
χ² / ndf 112.5 / 54
p0 1.829 ± 3.279
1D pull distribution
Mean −0.03763 ± 0.1928
Std Dev 1.43 ± 0.1363
Underflow 0
Overflow 0
χ² / ndf 9.035 / 10
Constant 7.789 ± 1.681
Mean 0.2755 ± 0.2087
Sigma 1.269 ± 0.217

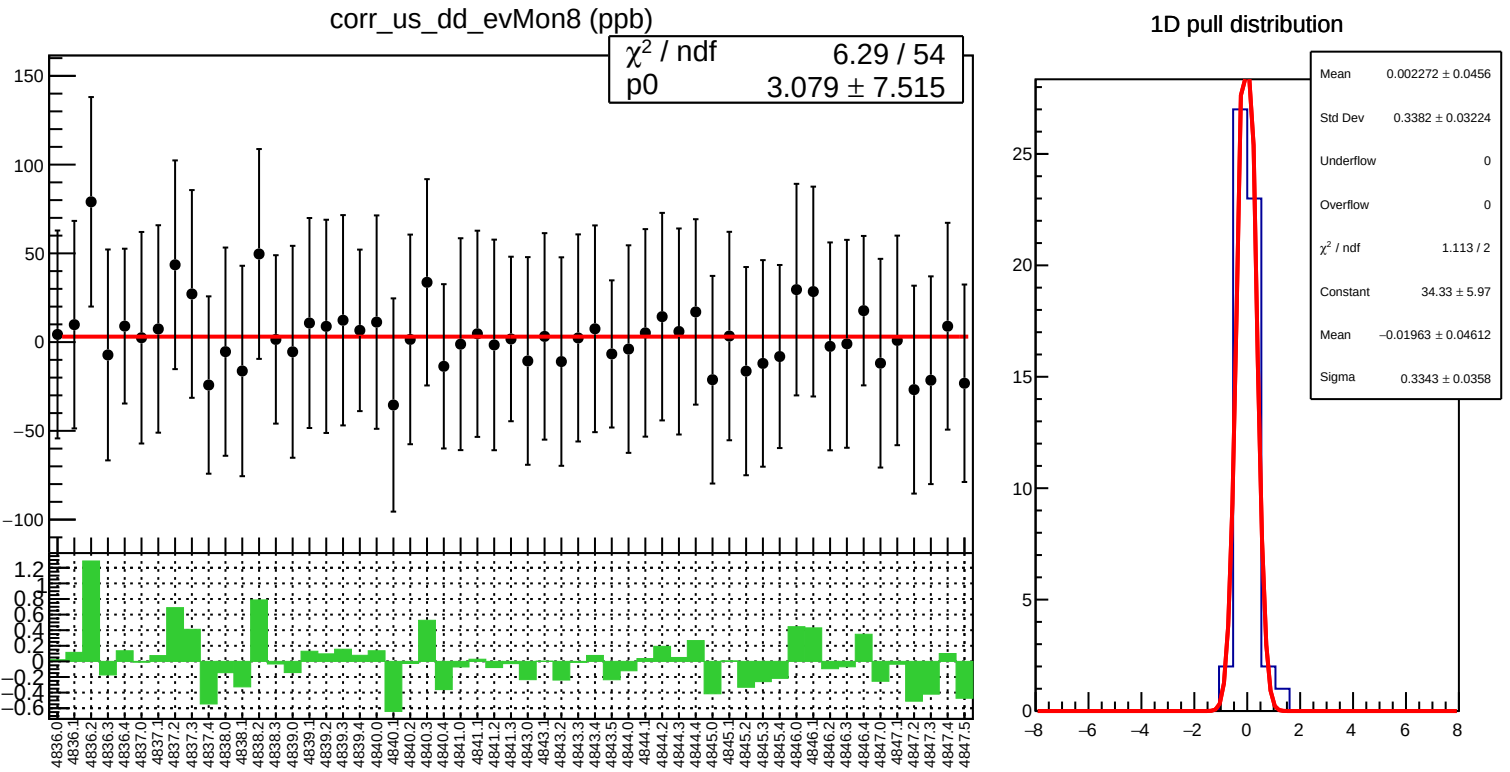

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

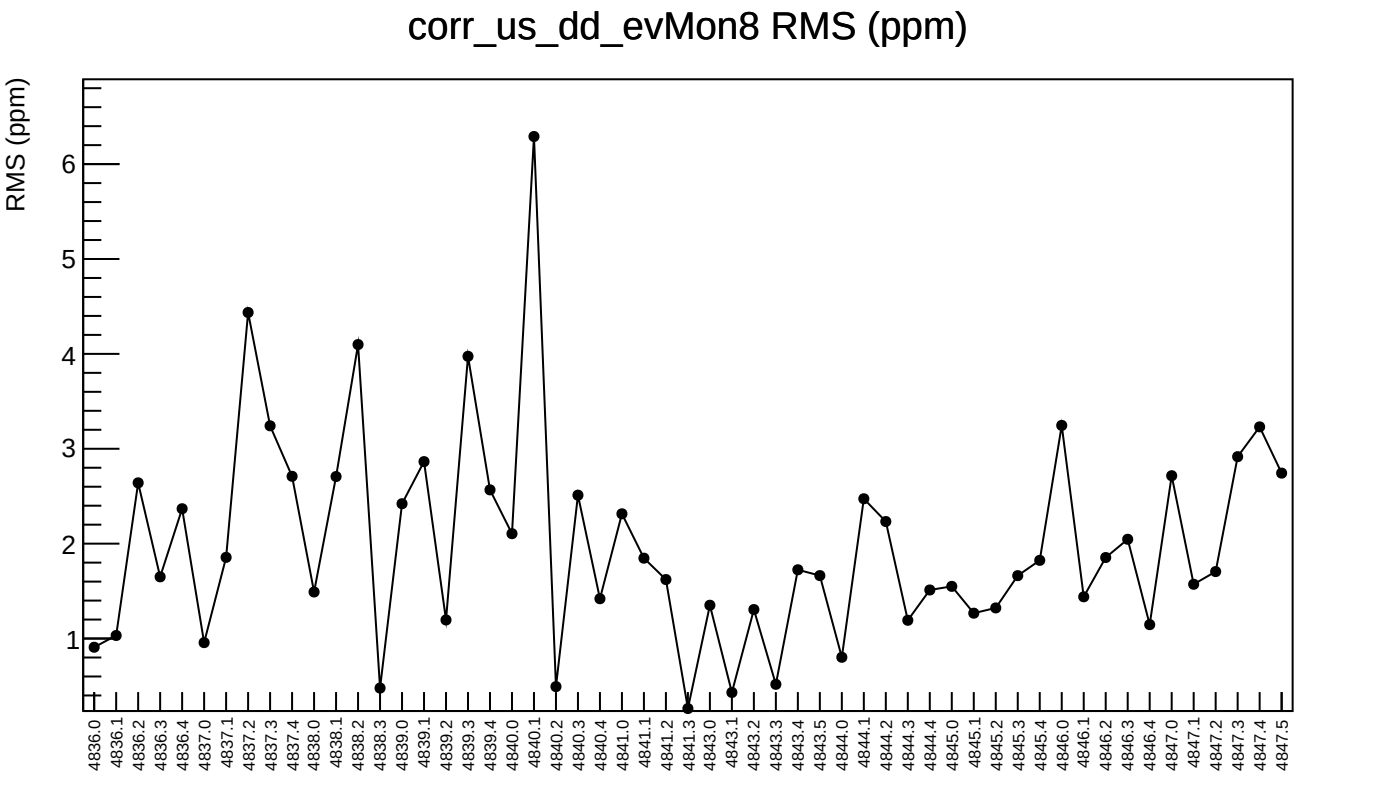

corr_us_dd_evMon6 (ppb)
χ² / ndf 53.48 / 54
p0 −18.6 ± 13.78
1D pull distribution
Mean −0.008258 ± 0.133
Std Dev 0.9861 ± 0.09402
Underflow 0
Overflow 0
χ² / ndf 2.398 / 7
Constant 11.1 ± 2.1
Mean −0.05647 ± 0.15121
Sigma 1.027 ± 0.141

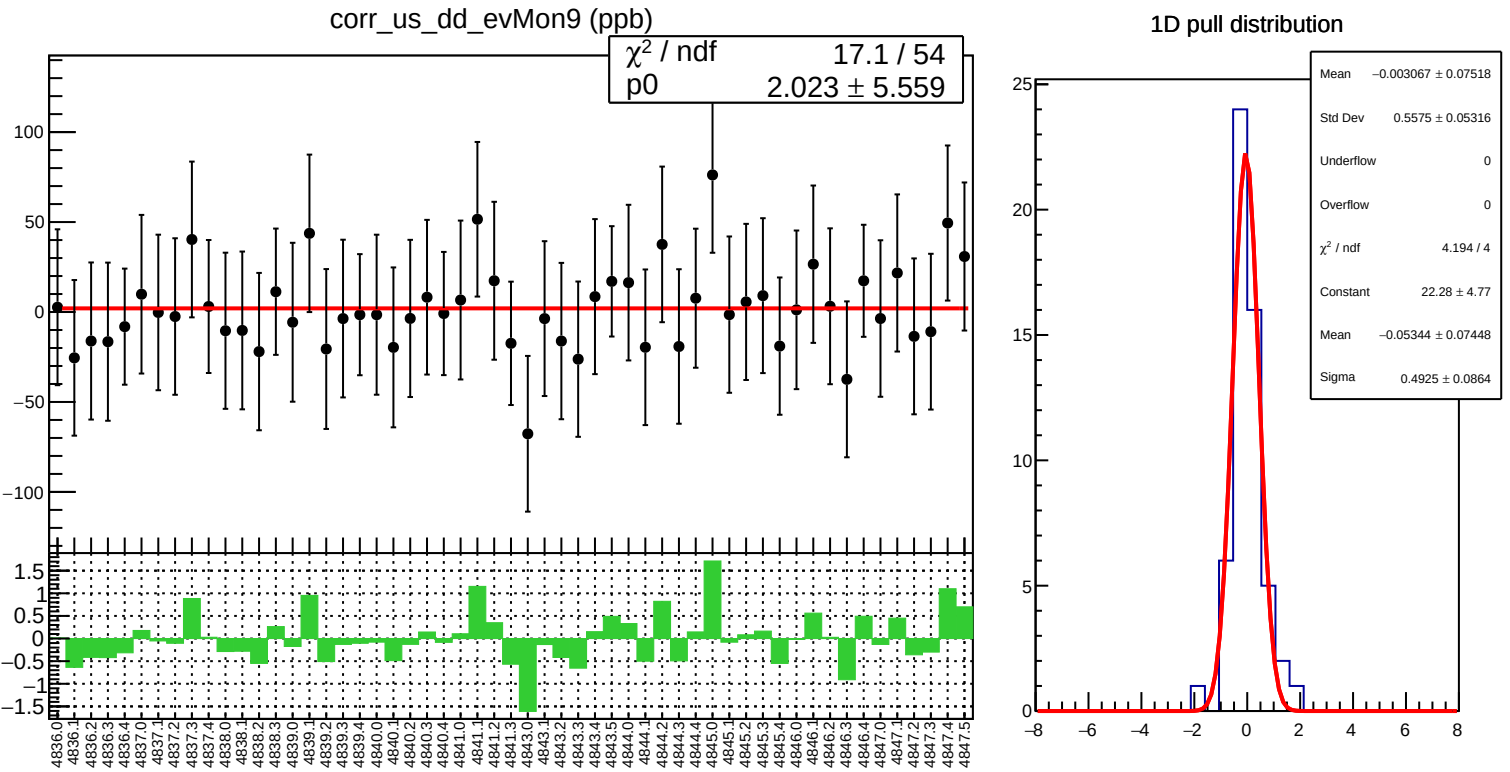

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
15
14
13
12
11
10
9
8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

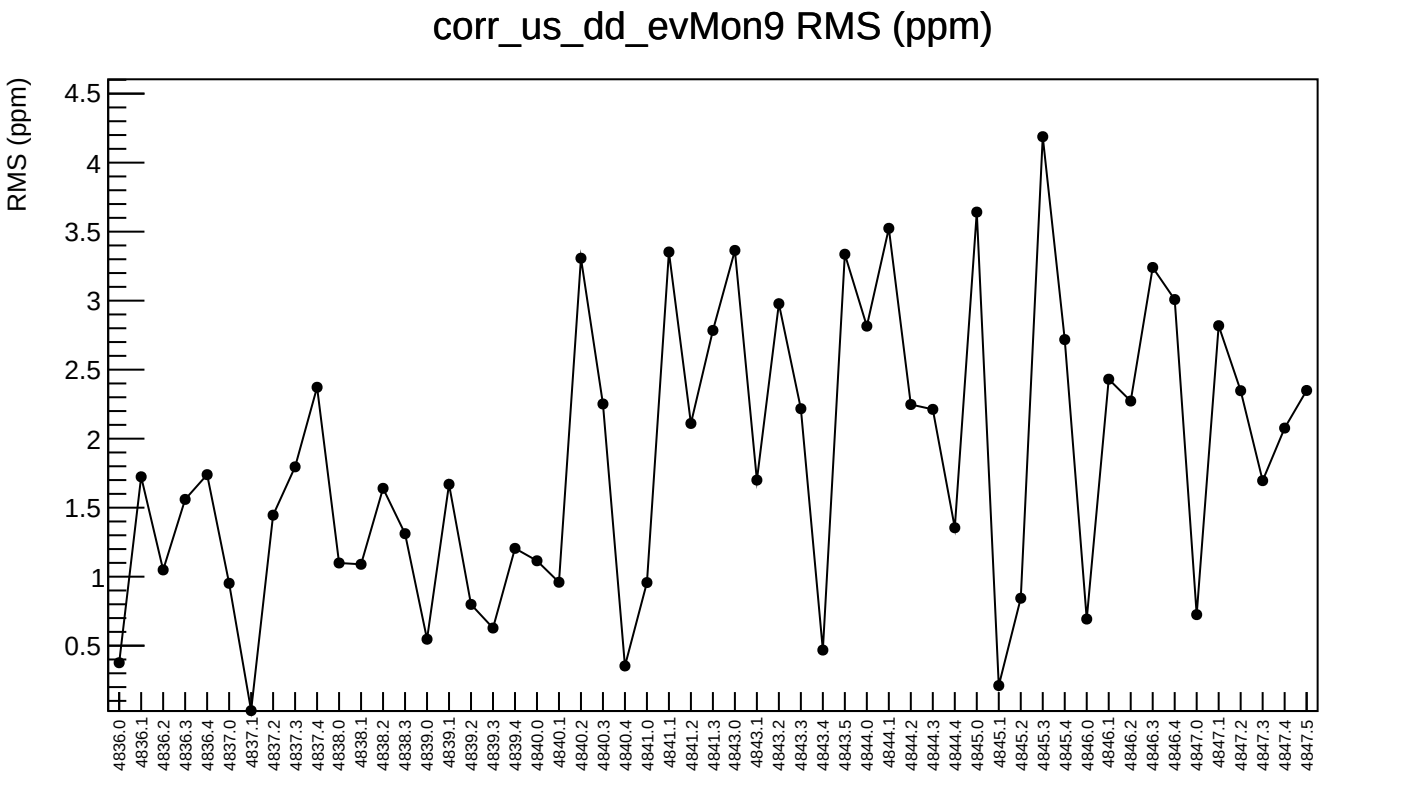

corr_us_dd_evMon7 (ppb)
χ² / ndf 52.23 / 54
p0 −2.384 ± 3.544
1D pull distribution
Mean −0.01499 ± 0.1314
Std Dev 0.9744 ± 0.09291
Underflow 0
Overflow 0
χ² / ndf 6.823 / 7
Constant 12.91 ± 3.13
Mean 0.1062 ± 0.1508
Sigma 0.7988 ± 0.1627

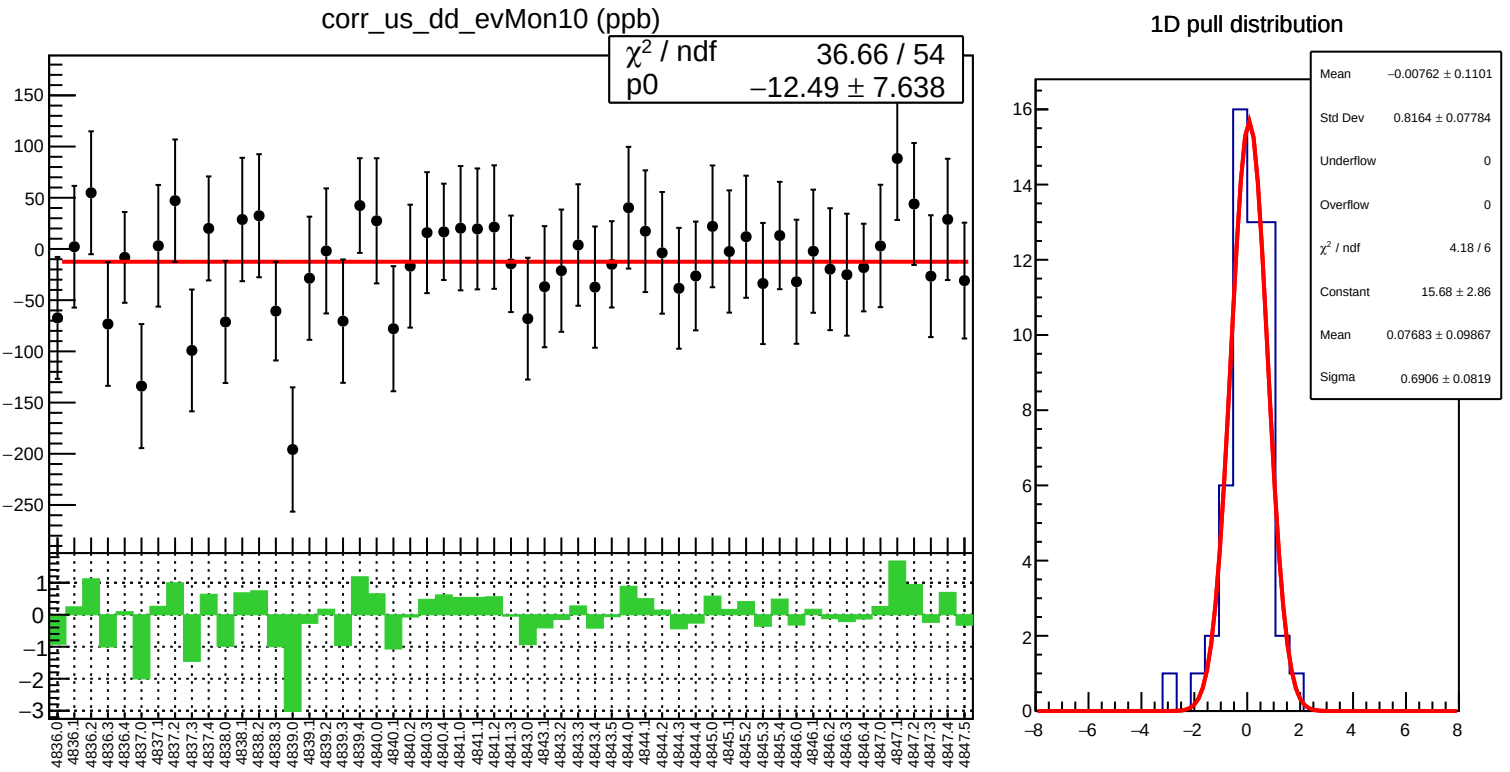

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

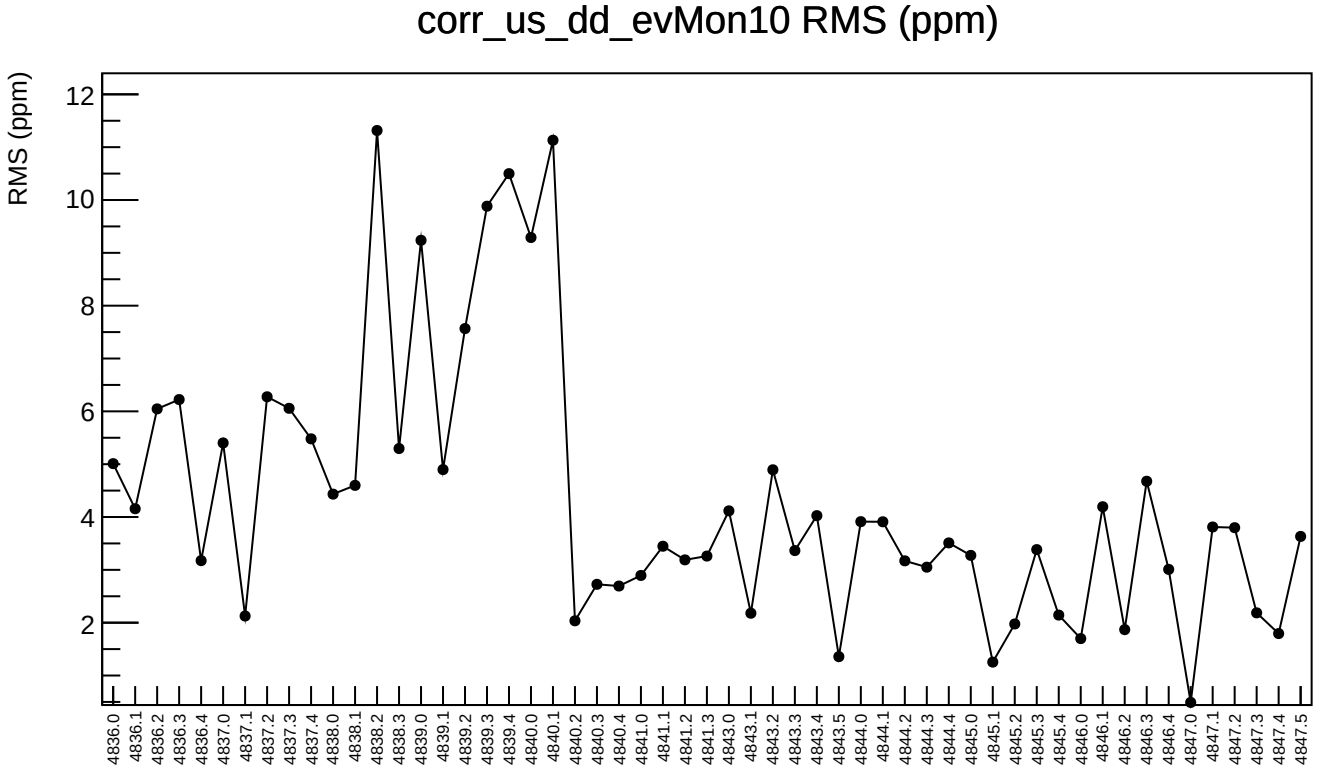

corr_us_dd_evMon8 (ppb)
χ² / ndf 6.29 / 54
p0 3.079 ± 7.515
1D pull distribution
Mean 0.002272 ± 0.0456
Std Dev 0.3382 ± 0.03224
Underflow 0
Overflow 0
χ² / ndf 1.113 / 2
Constant 34.33 ± 5.97
Mean −0.01963 ± 0.04612
Sigma 0.3343 ± 0.0358

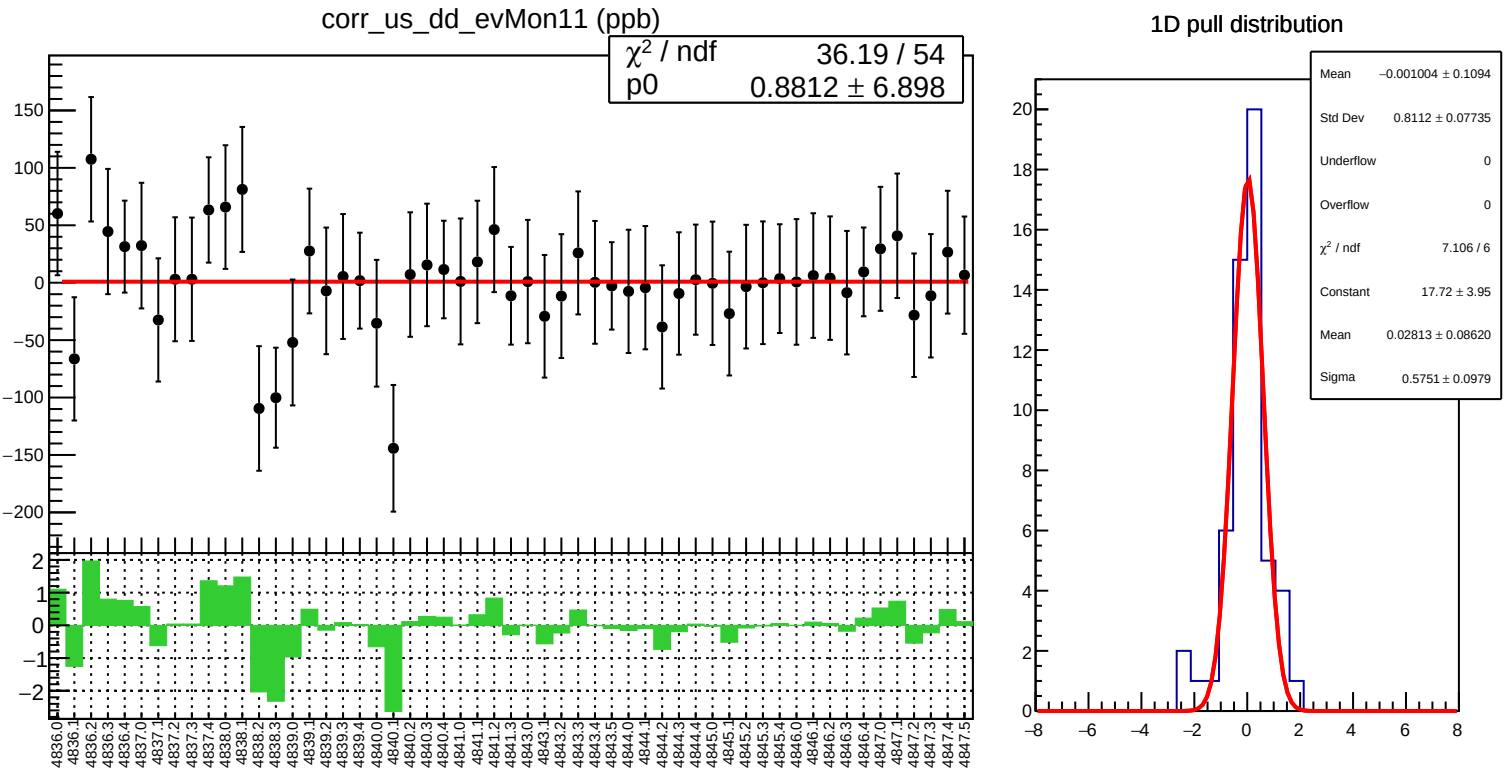

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

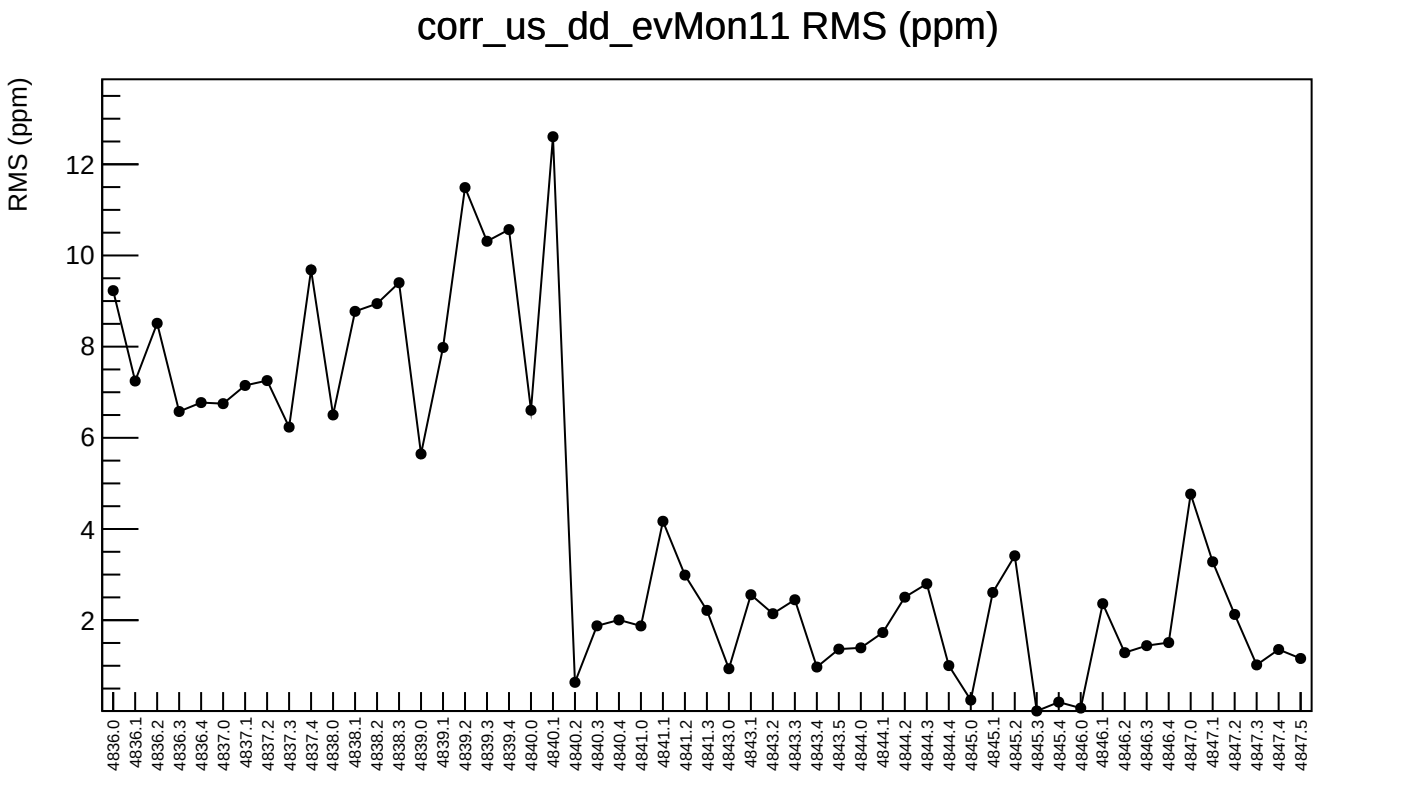

corr_us_dd_evMon9 (ppb)
χ² / ndf 17.1 / 54
p0 2.023 ± 5.559
1D pull distribution
Mean −0.003067 ± 0.07518
Std Dev 0.5575 ± 0.05316
Underflow 0
Overflow 0
χ² / ndf 4.194 / 4
Constant 22.28 ± 4.77
Mean −0.05344 ± 0.07448
Sigma 0.4925 ± 0.0864

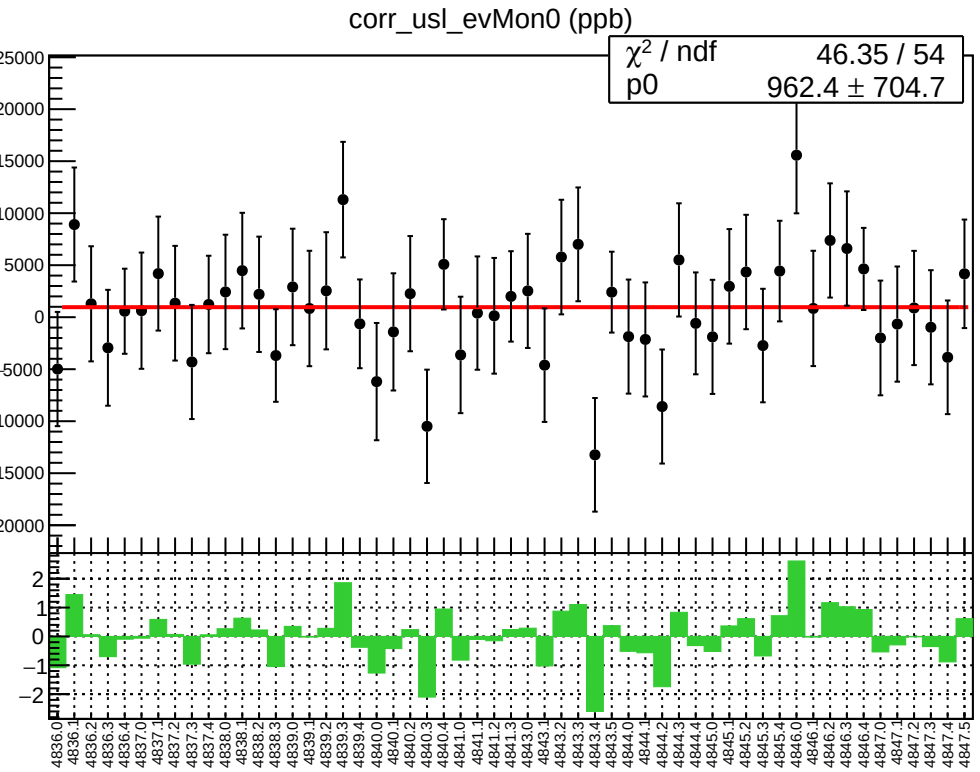

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

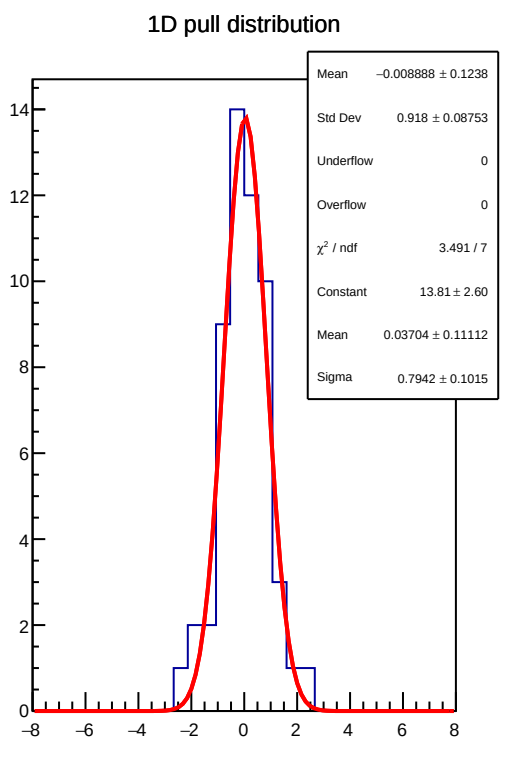

corr_us_dd_evMon10 (ppb)
χ² / ndf 36.66 / 54
p0 −12.49 ± 7.638
1D pull distribution
Mean −0.00762 ± 0.1101
Std Dev 0.8164 ± 0.07784
Underflow 0
Overflow 0
χ² / ndf 4.18 / 6
Constant 15.68 ± 2.86
Mean 0.07683 ± 0.09867
Sigma 0.6906 ± 0.0819

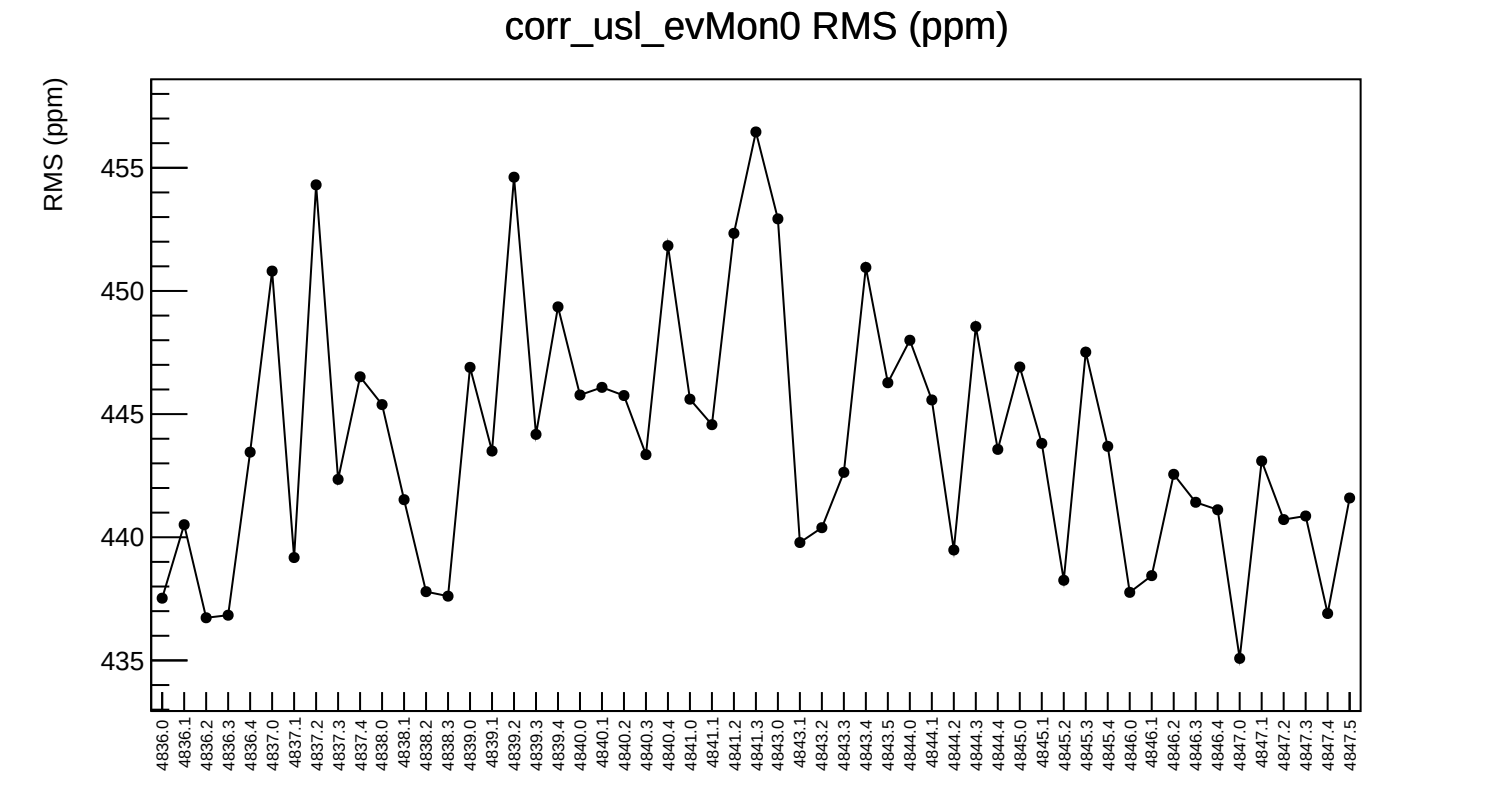

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

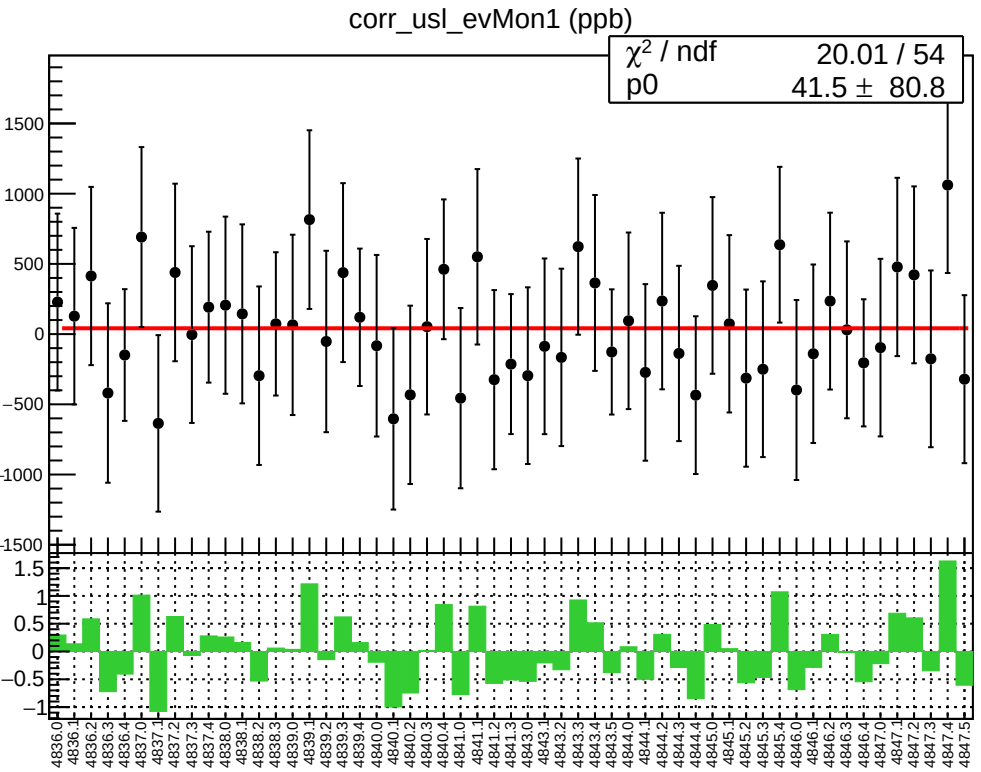

corr_us_dd_evMon11 (ppb)
χ² / ndf 36.19 / 54
p0 0.8812 ± 6.898
1D pull distribution
Mean −0.001004 ± 0.1094
Std Dev 0.8112 ± 0.07735
Underflow 0
Overflow 0
χ² / ndf 7.106 / 6
Constant 17.72 ± 3.95
Mean 0.02813 ± 0.08620
Sigma 0.5751 ± 0.0979

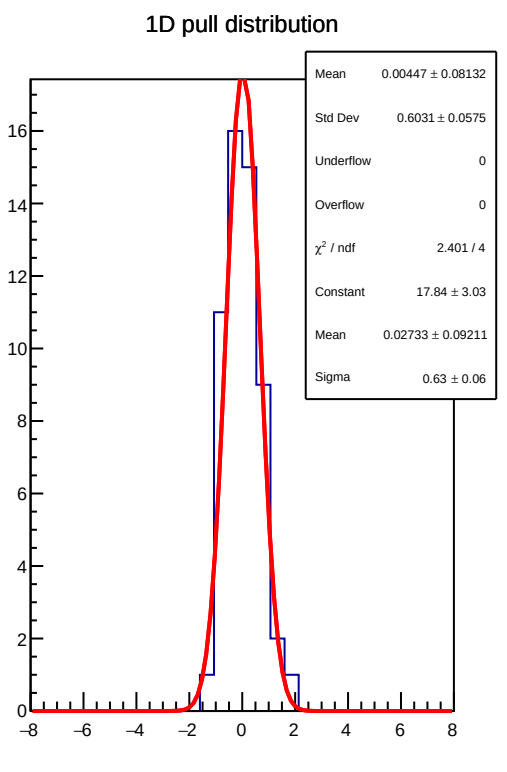

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

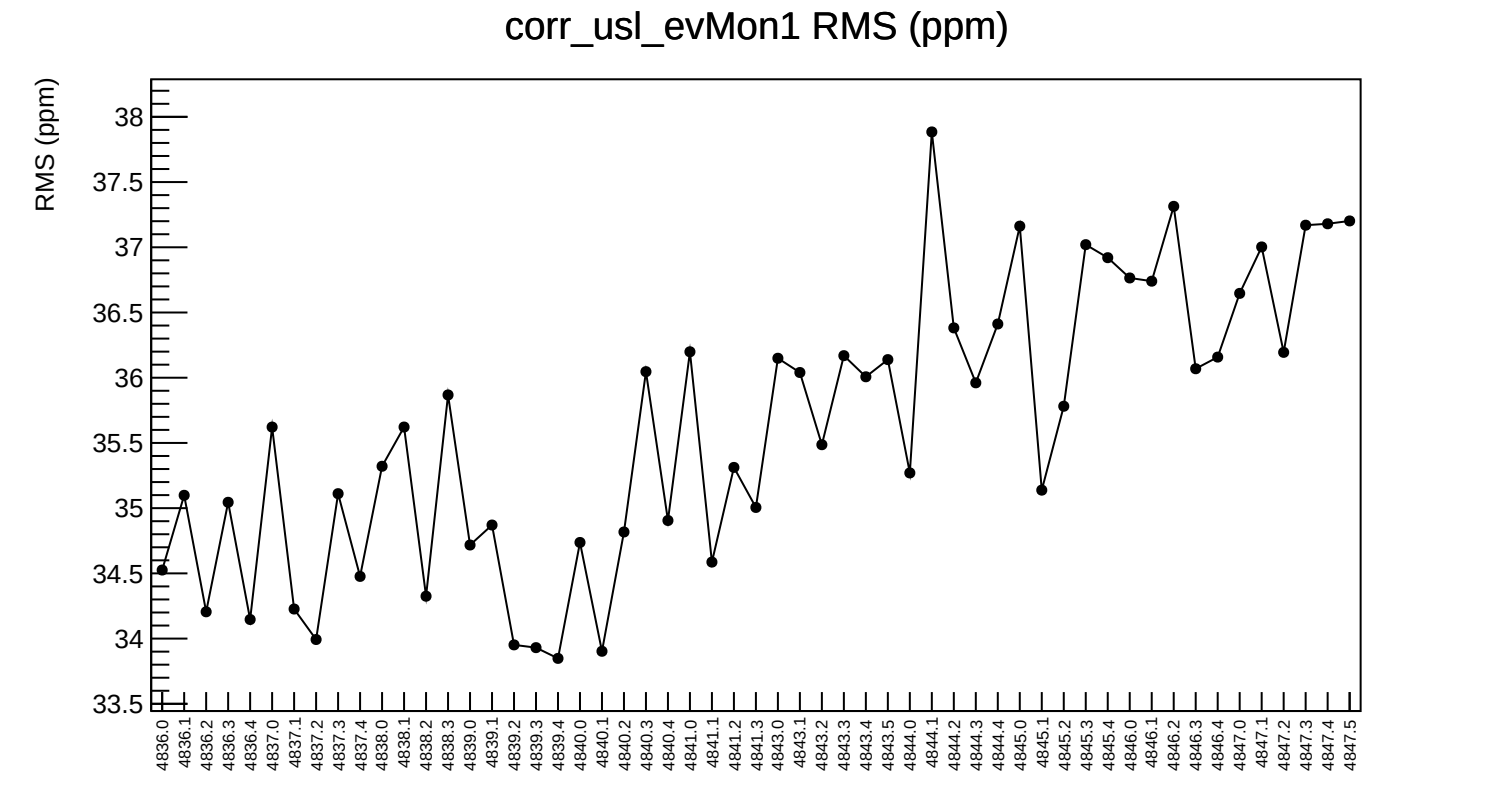

corr_usl_evMon0 (ppb)
χ² / ndf 46.35 / 54
p0 962.4 ± 704.7

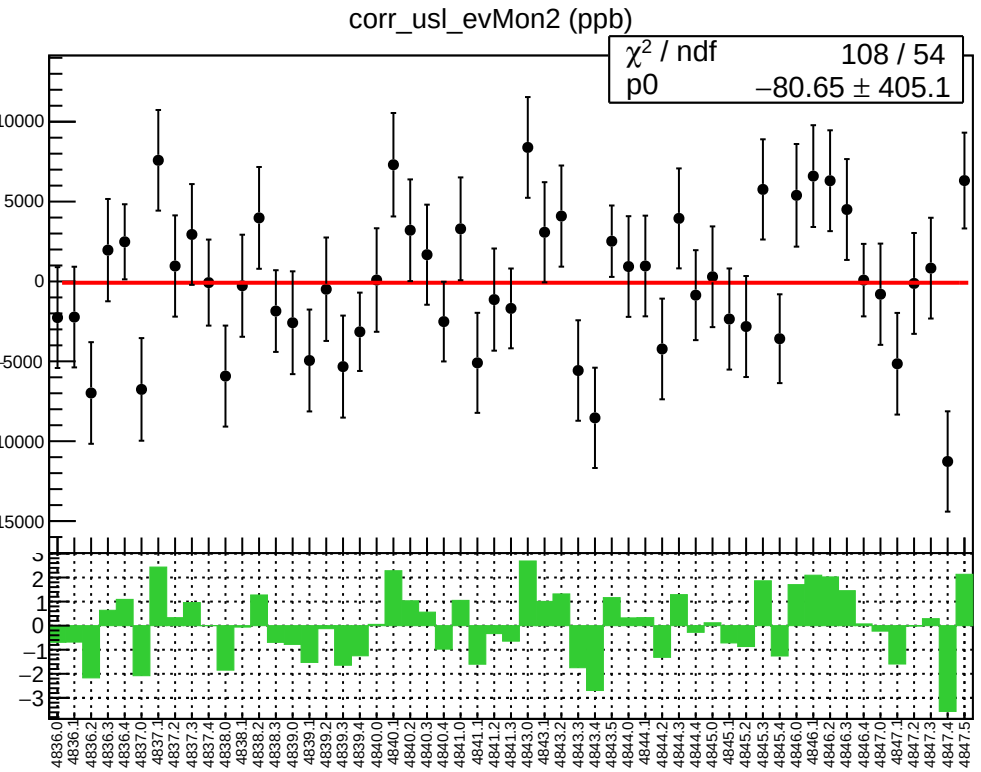

1D pull distribution
Mean −0.008888 ± 0.1238
Std Dev 0.918 ± 0.08753
Underflow 0
Overflow 0
χ² / ndf 3.491 / 7
Constant 13.81 ± 2.60
Mean 0.03704 ± 0.11112
Sigma 0.7942 ± 0.1015

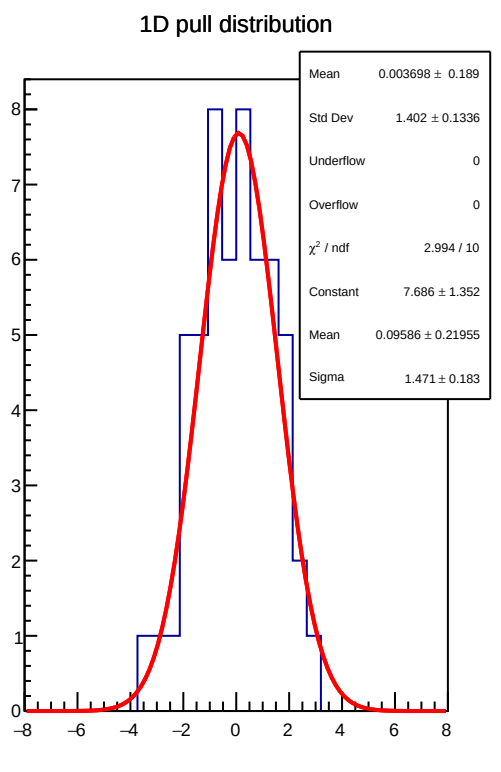

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
455
450
445
440
435
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

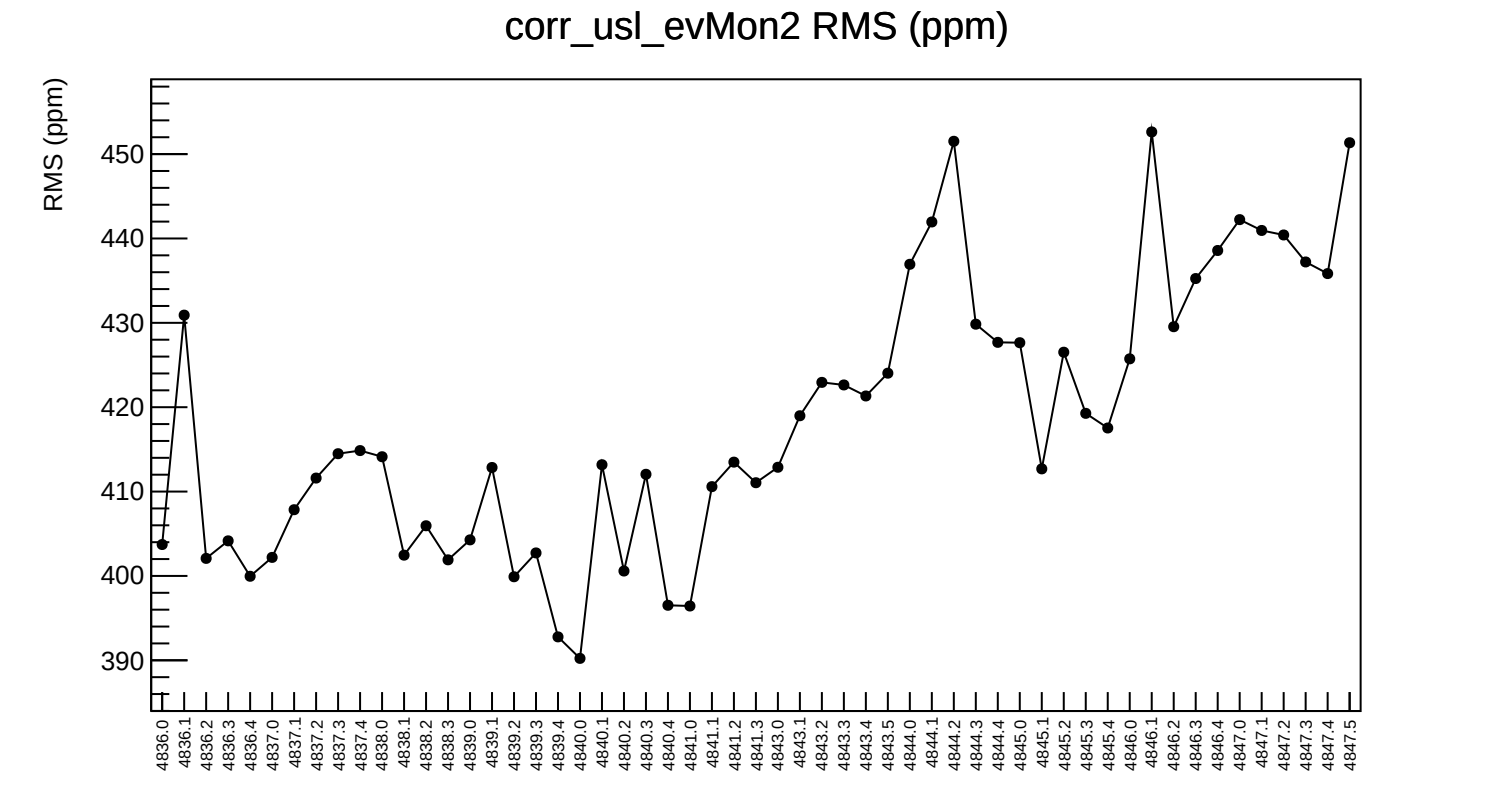

corr_usl_evMon1 (ppb)
χ² / ndf 20.01 / 54
p0 41.5 ± 80.8
1500
1000
500
0
−500
−1000
−1500
1.5
1
0.5
0
−0.5
−1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

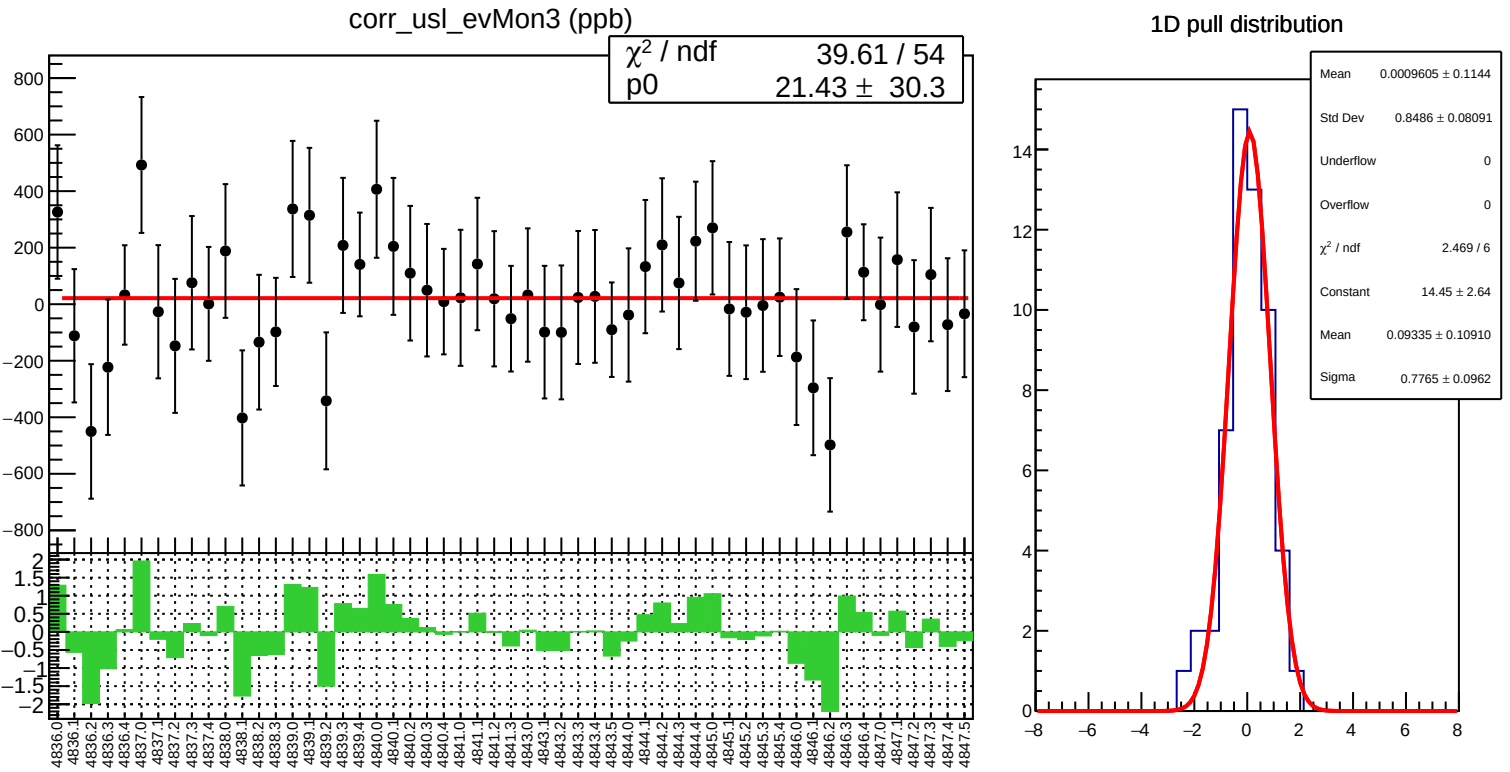

1D pull distribution
Mean 0.00447 ± 0.08132
Std Dev 0.6031 ± 0.0575
Underflow 0
Overflow 0
χ² / ndf 2.401 / 4
Constant 17.84 ± 3.03
Mean 0.02733 ± 0.09211
Sigma 0.63 ± 0.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

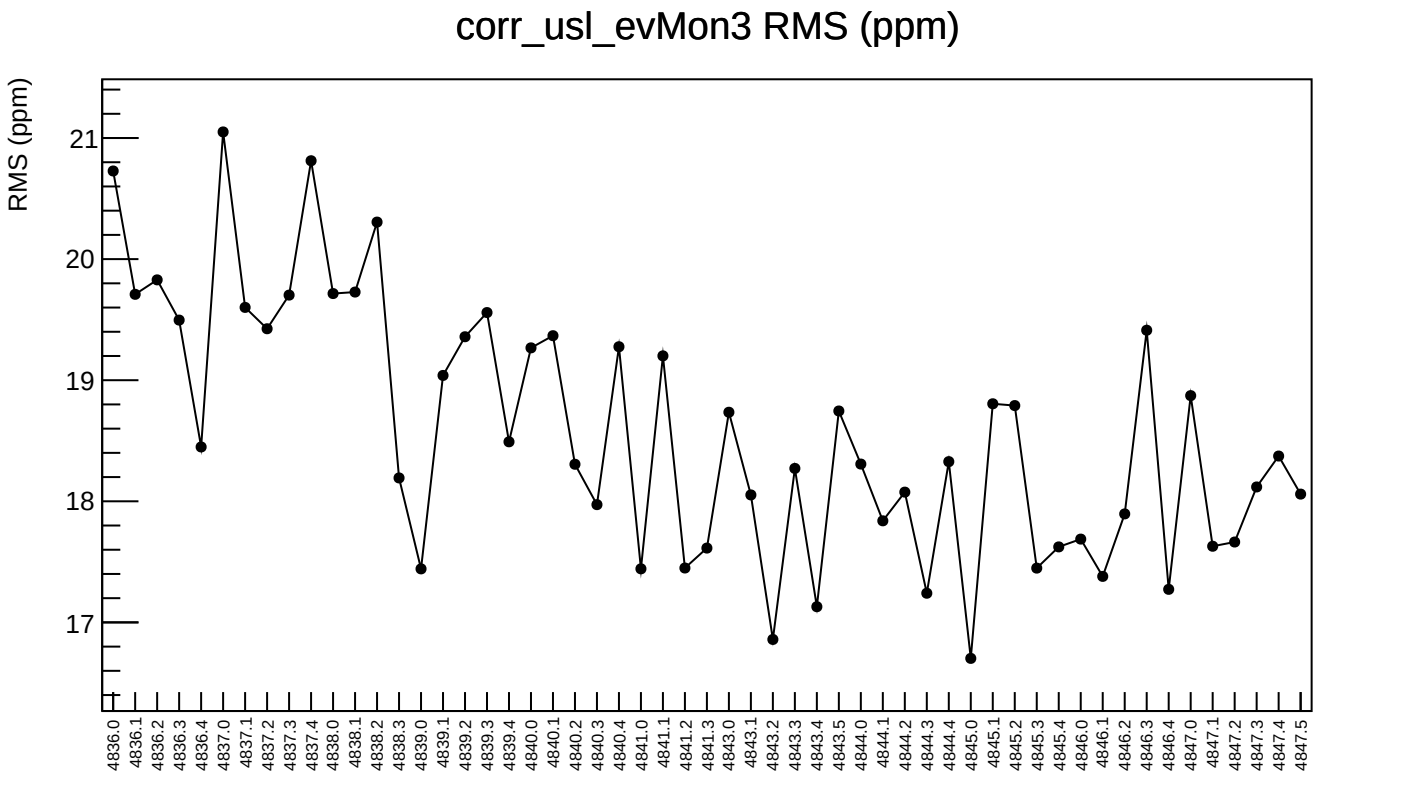

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
38
37.5
37
36.5
36
35.5
35
34.5
34
33.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

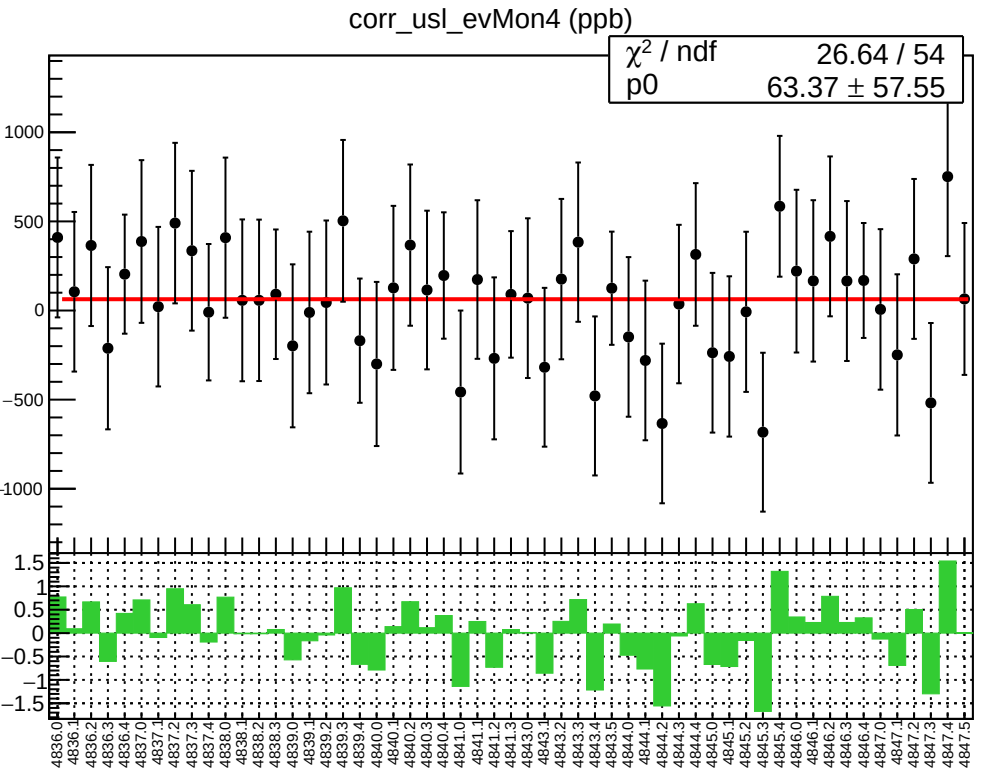

corr_usl_evMon2 (ppb)
χ² / ndf 108 / 54
p0 −80.65 ± 405.1
10000
5000
0
−5000
−10000
−15000
3
2
1
0
−1
−2
−3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

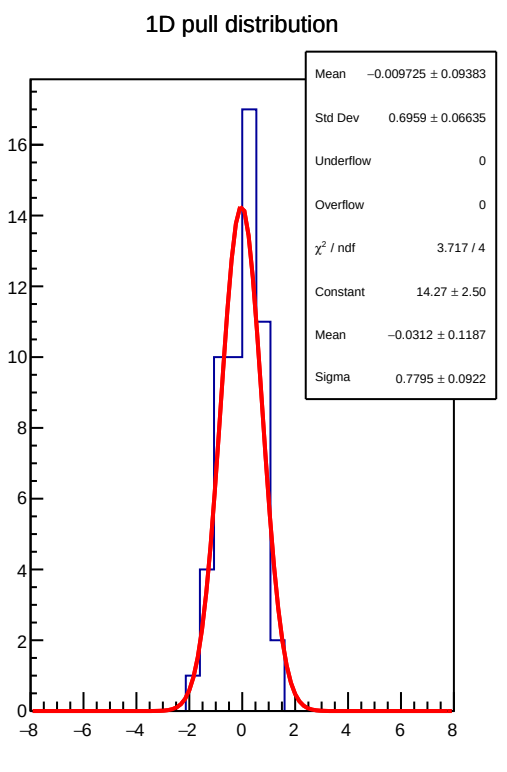

1D pull distribution
Mean 0.003698 ± 0.189
Std Dev 1.402 ± 0.1336
Underflow 0
Overflow 0
χ² / ndf 2.994 / 10
Constant 7.686 ± 1.352
Mean 0.09586 ± 0.21955
Sigma 1.471 ± 0.183
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

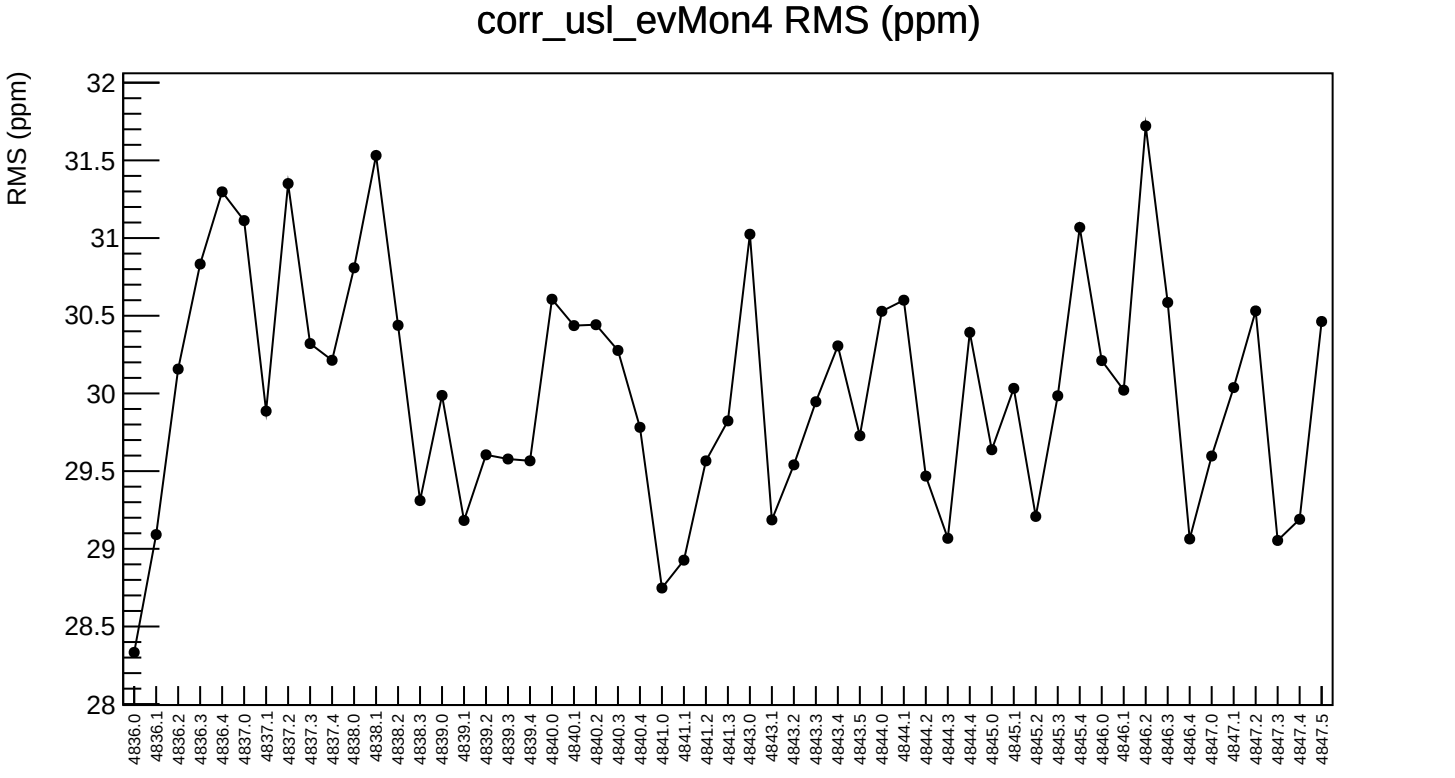

corr_usl_evMon2 RMS (ppm)
RMS (ppm)
450
440
430
420
410
400
390
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

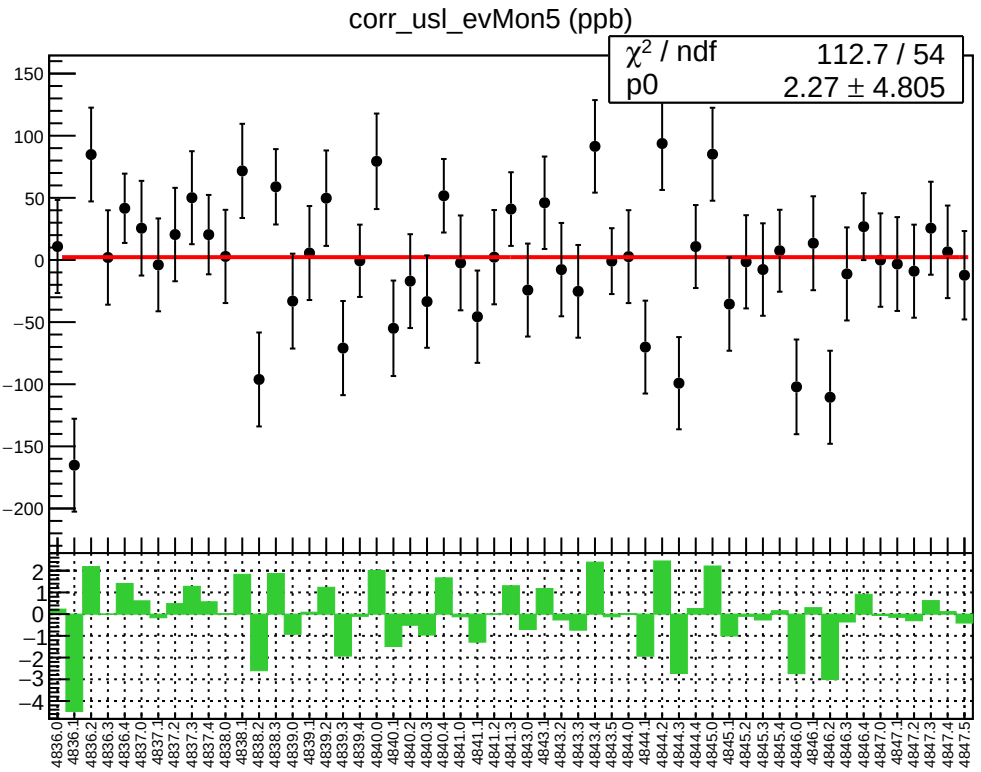

corr_usl_evMon3 (ppb)
χ² / ndf 39.61 / 54
p0 21.43 ± 30.3
1D pull distribution
Mean 0.0009605 ± 0.1144
Std Dev 0.8486 ± 0.08091
Underflow 0
Overflow 0
χ² / ndf 2.469 / 6
Constant 14.45 ± 2.64
Mean 0.09335 ± 0.10910
Sigma 0.7765 ± 0.0962

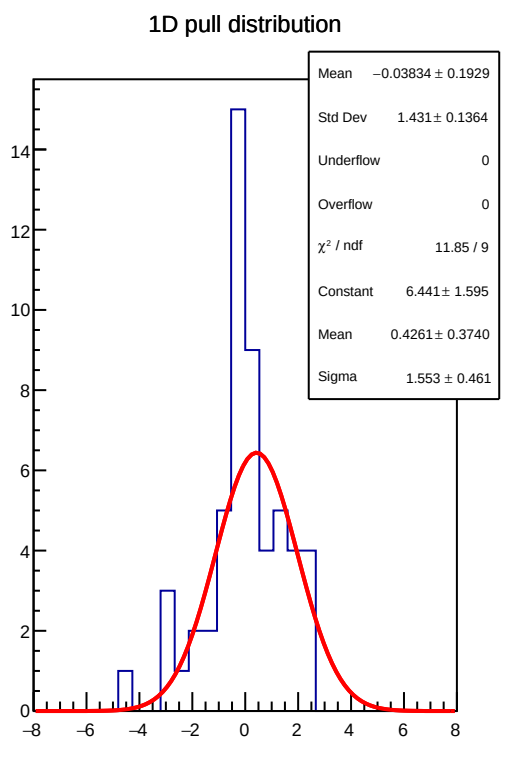

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
21
20
19
18
17
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

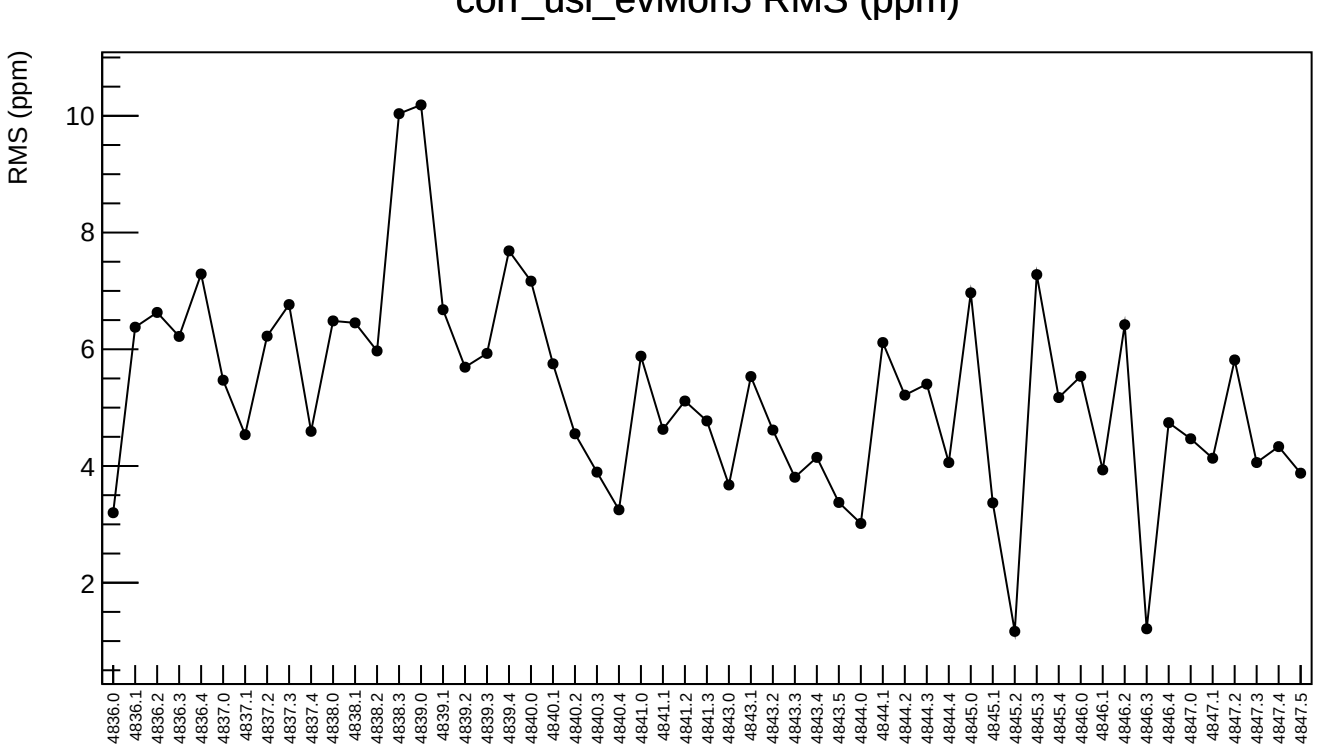

corr_usl_evMon4 (ppb)
χ² / ndf 26.64 / 54
p0 63.37 ± 57.55
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

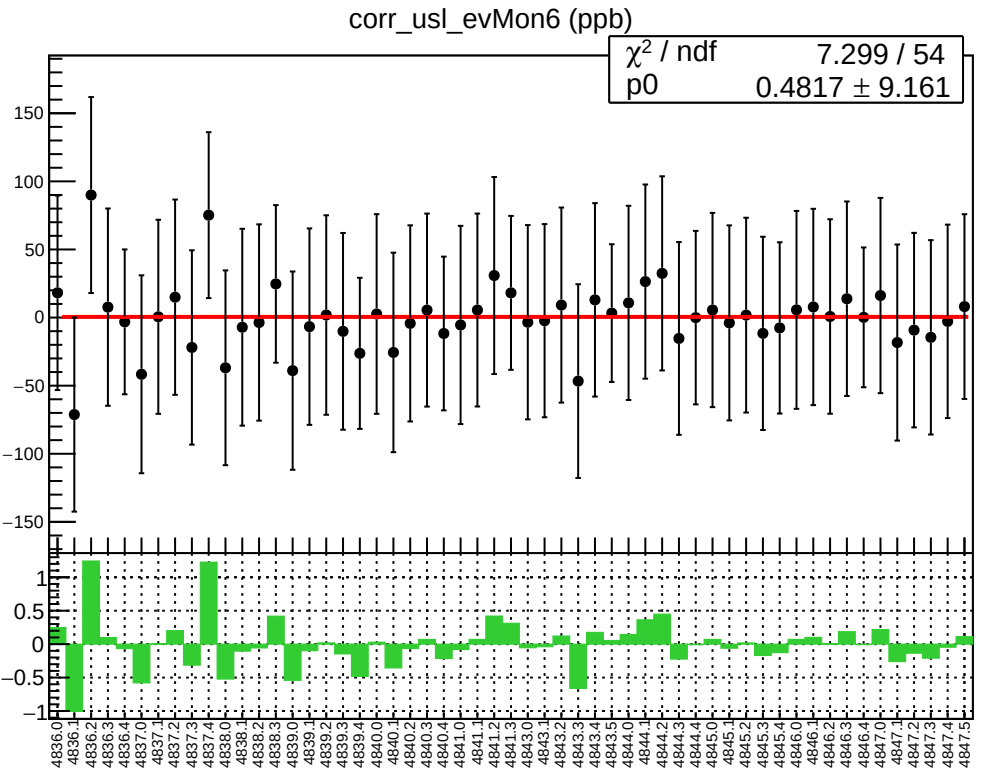

1D pull distribution
Mean −0.009725 ± 0.09383
Std Dev 0.6959 ± 0.06635
Underflow 0
Overflow 0
χ² / ndf 3.717 / 4
Constant 14.27 ± 2.50
Mean −0.0312 ± 0.1187
Sigma 0.7795 ± 0.0922
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

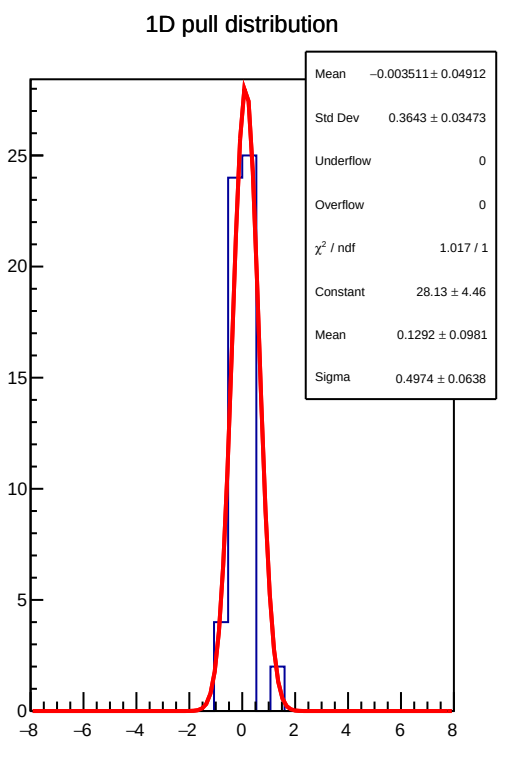

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
32
31.5
31
30.5
30
29.5
29
28.5
28
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

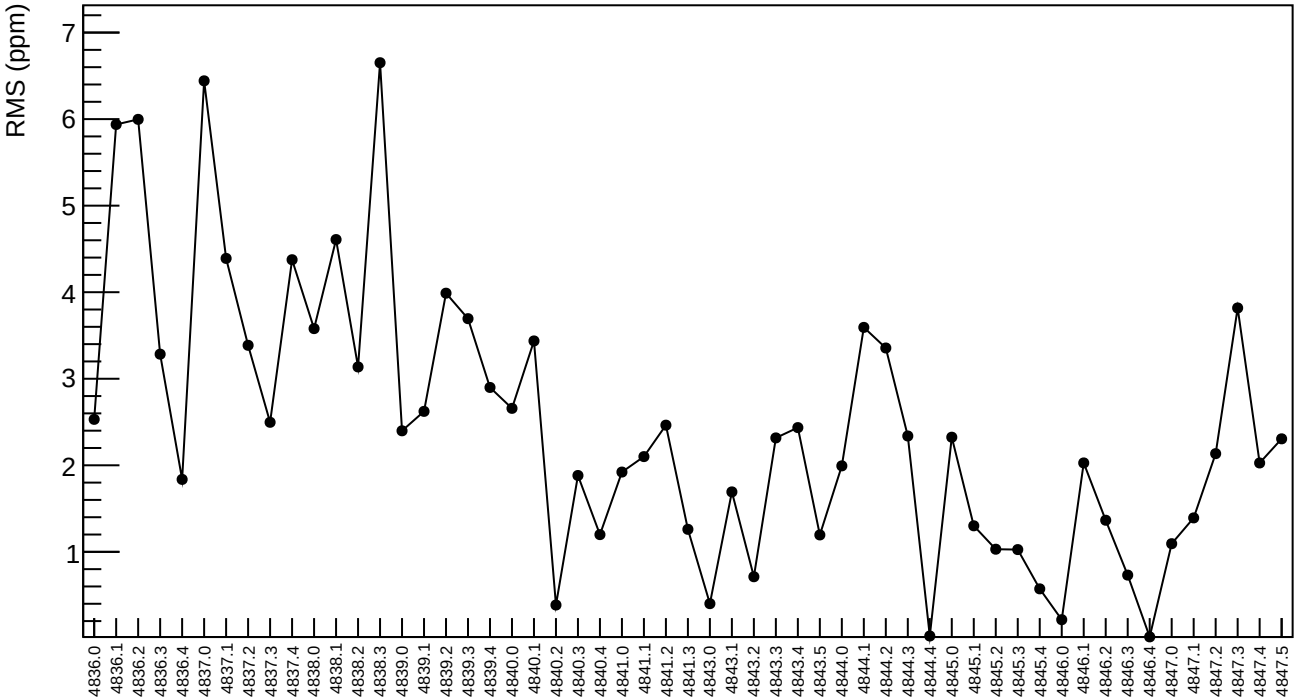

corr_usl_evMon5 (ppb)
χ² / ndf 112.7 / 54
p0 2.27 ± 4.805

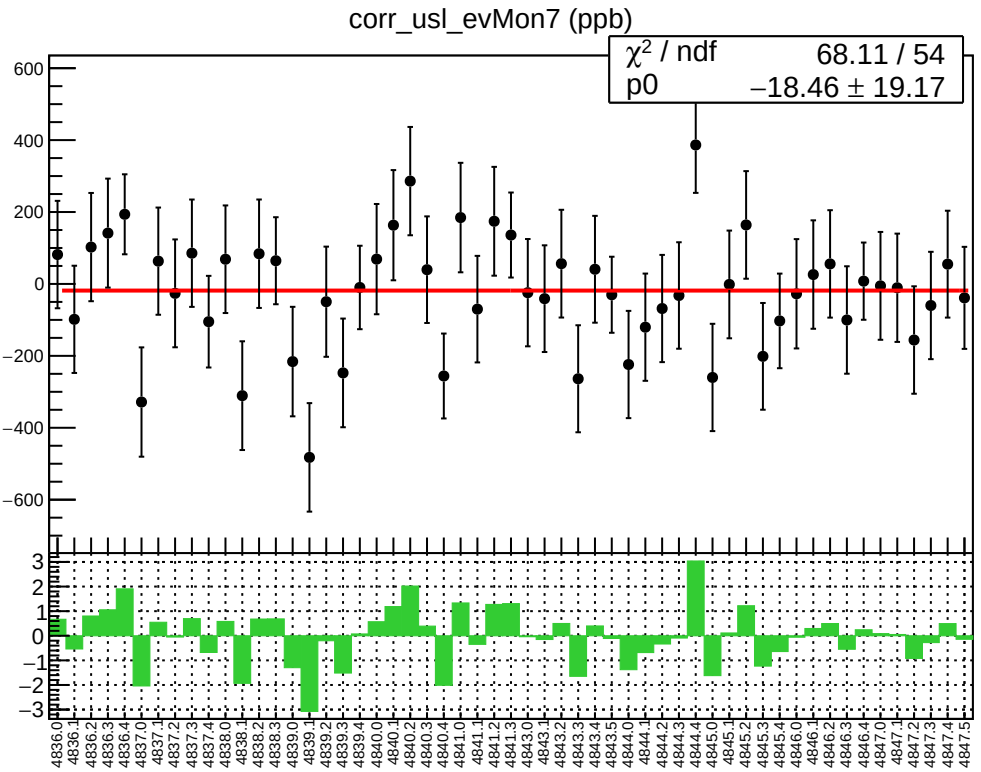

1D pull distribution
Mean −0.03834 ± 0.1929
Std Dev 1.431 ± 0.1364
Underflow 0
Overflow 0
χ² / ndf 11.85 / 9
Constant 6.441 ± 1.595
Mean 0.4261 ± 0.3740
Sigma 1.553 ± 0.461

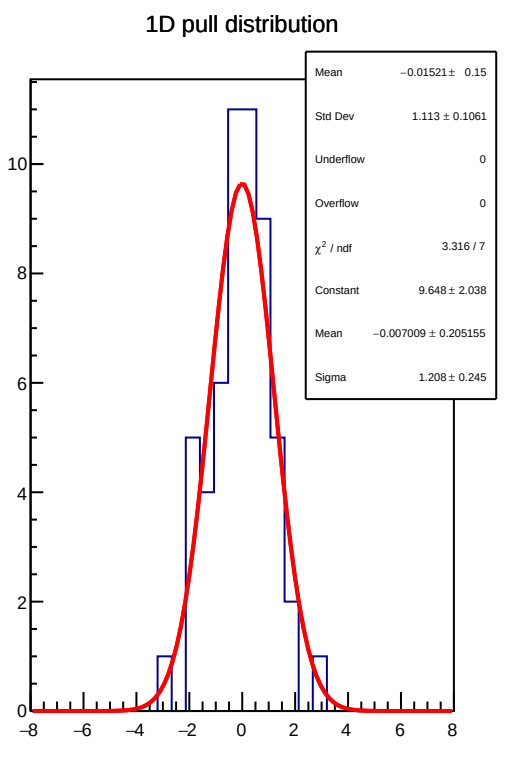

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

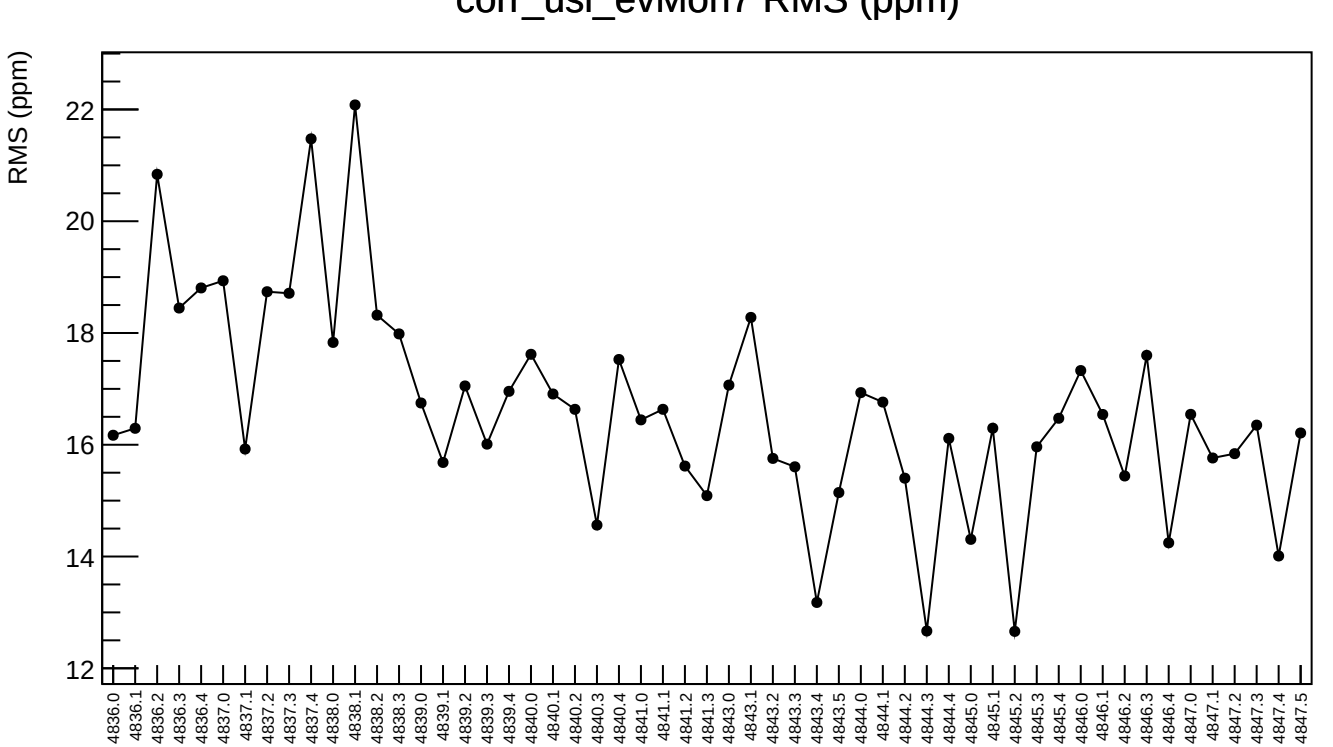

corr_usl_evMon6 (ppb)
χ² / ndf 7.299 / 54
p0 0.4817 ± 9.161

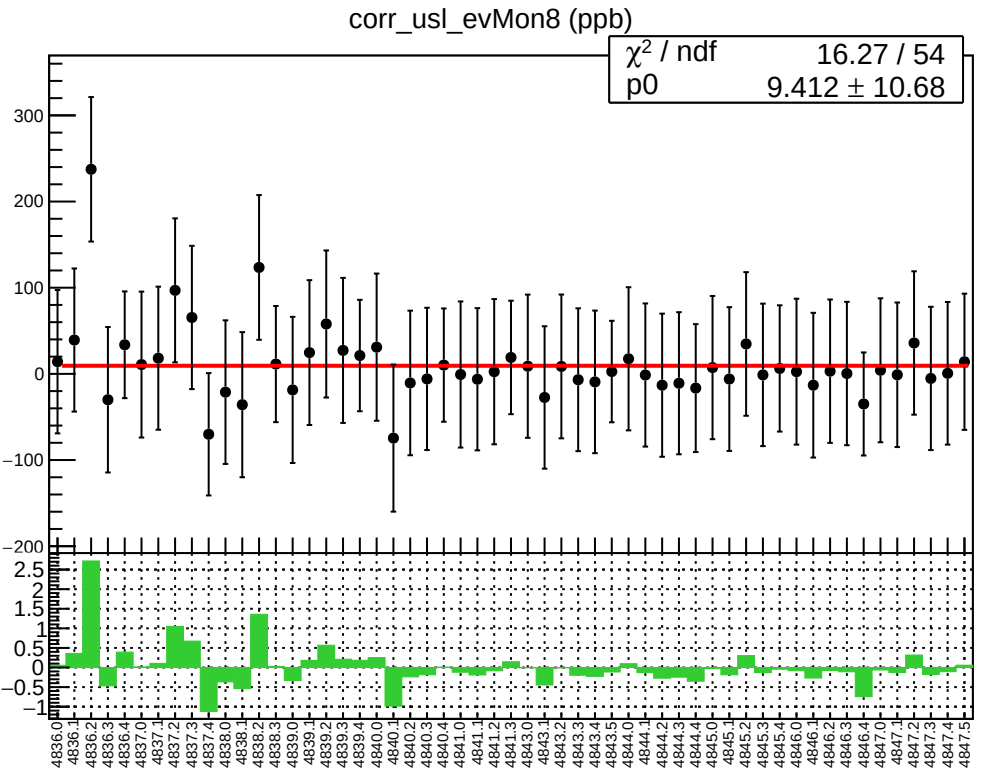

1D pull distribution
Mean −0.003511 ± 0.04912
Std Dev 0.3643 ± 0.03473
Underflow 0
Overflow 0
χ² / ndf 1.017 / 1
Constant 28.13 ± 4.46
Mean 0.1292 ± 0.0981
Sigma 0.4974 ± 0.0638

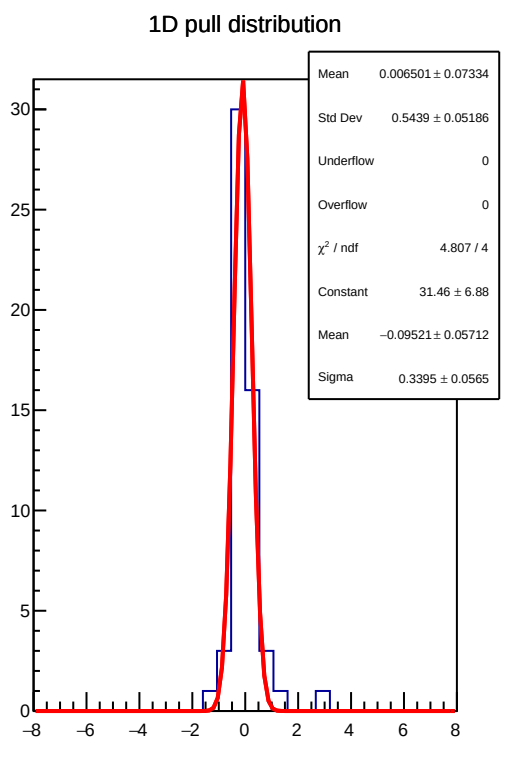

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

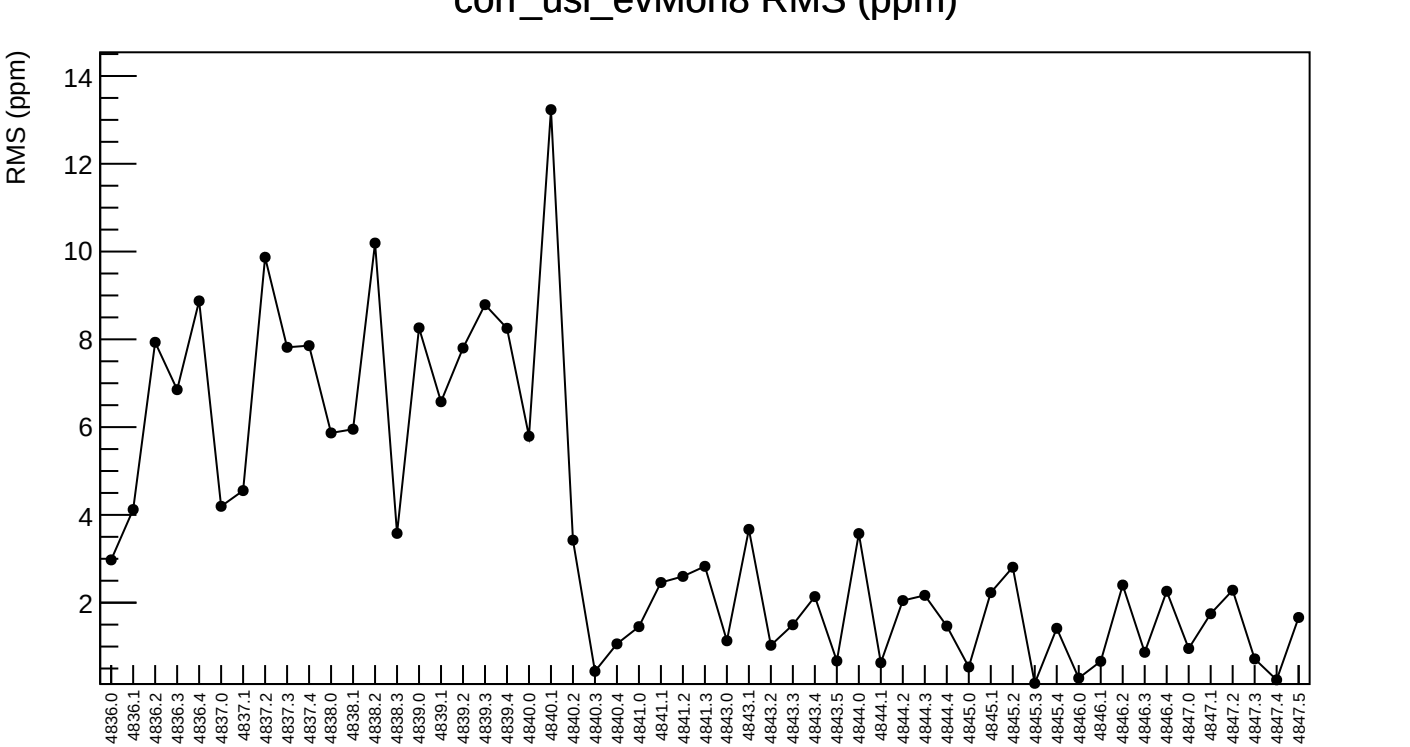

corr_usl_evMon7 (ppb)
χ² / ndf 68.11 / 54
p0 −18.46 ± 19.17
600
400
200
0
−200
−400
−600
3
2
1
0
−1
−2
−3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

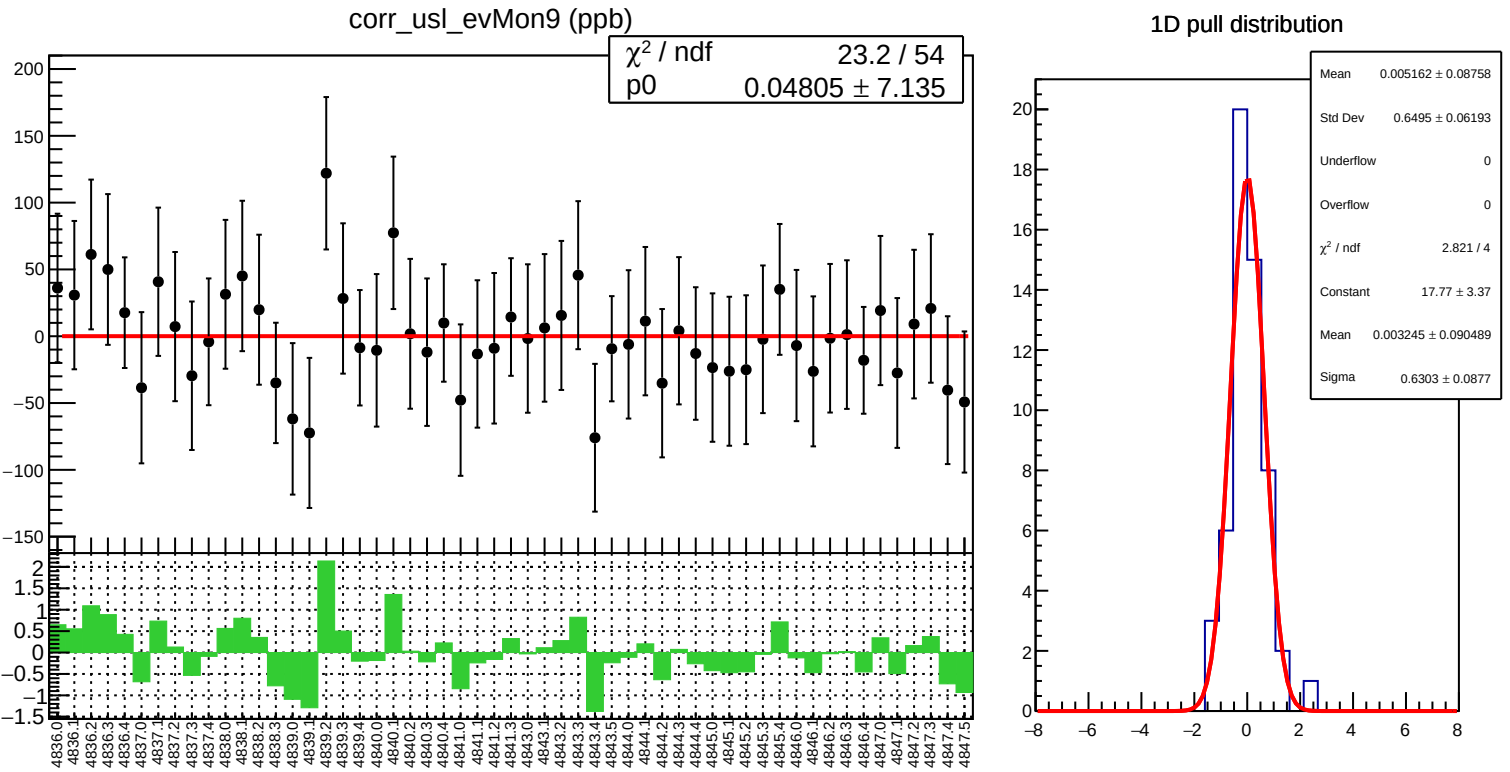

1D pull distribution
Mean −0.01521 ± 0.15
Std Dev 1.113 ± 0.1061
Underflow 0
Overflow 0
χ² / ndf 3.316 / 7
Constant 9.648 ± 2.038
Mean −0.007009 ± 0.205155
Sigma 1.208 ± 0.245
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

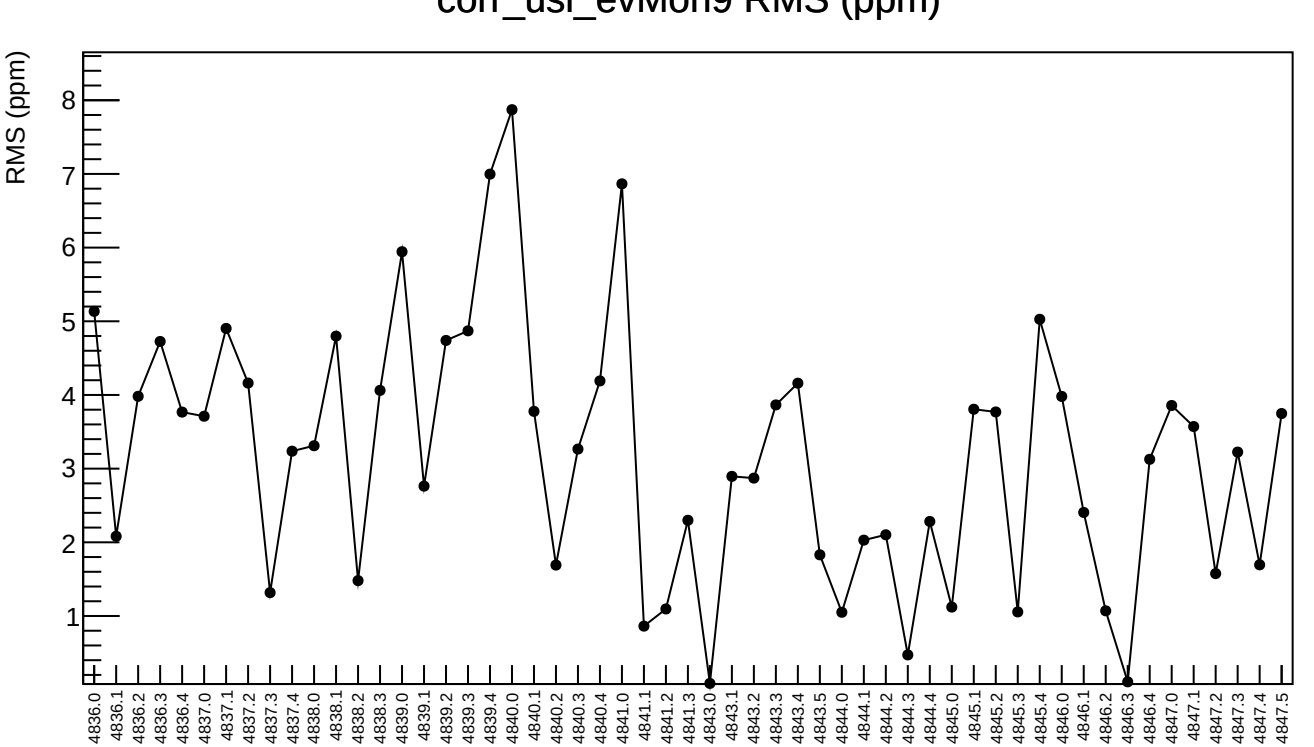

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
22
20
18
16
14
12
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

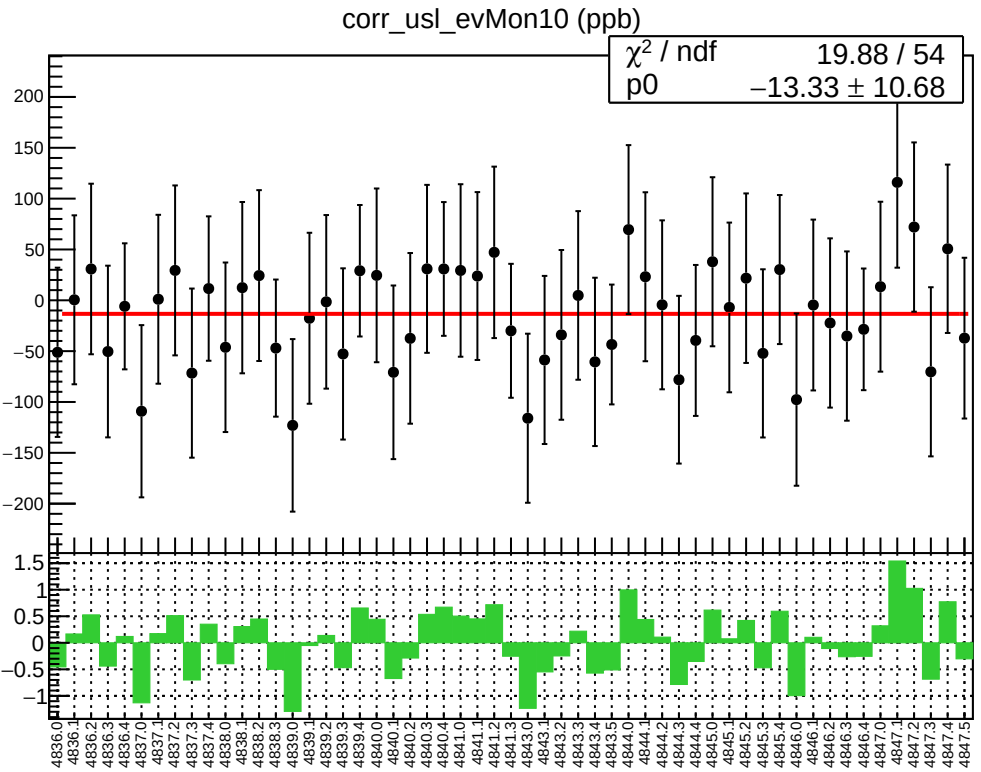

corr_usl_evMon8 (ppb)
χ² / ndf 16.27 / 54
p0 9.412 ± 10.68

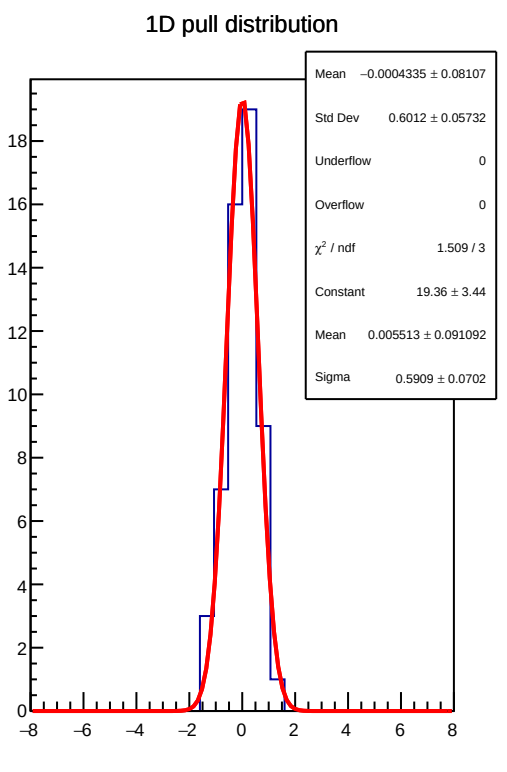

1D pull distribution
Mean 0.006501 ± 0.07334
Std Dev 0.5439 ± 0.05186
Underflow 0
Overflow 0
χ² / ndf 4.807 / 4
Constant 31.46 ± 6.88
Mean −0.09521 ± 0.05712
Sigma 0.3395 ± 0.0565

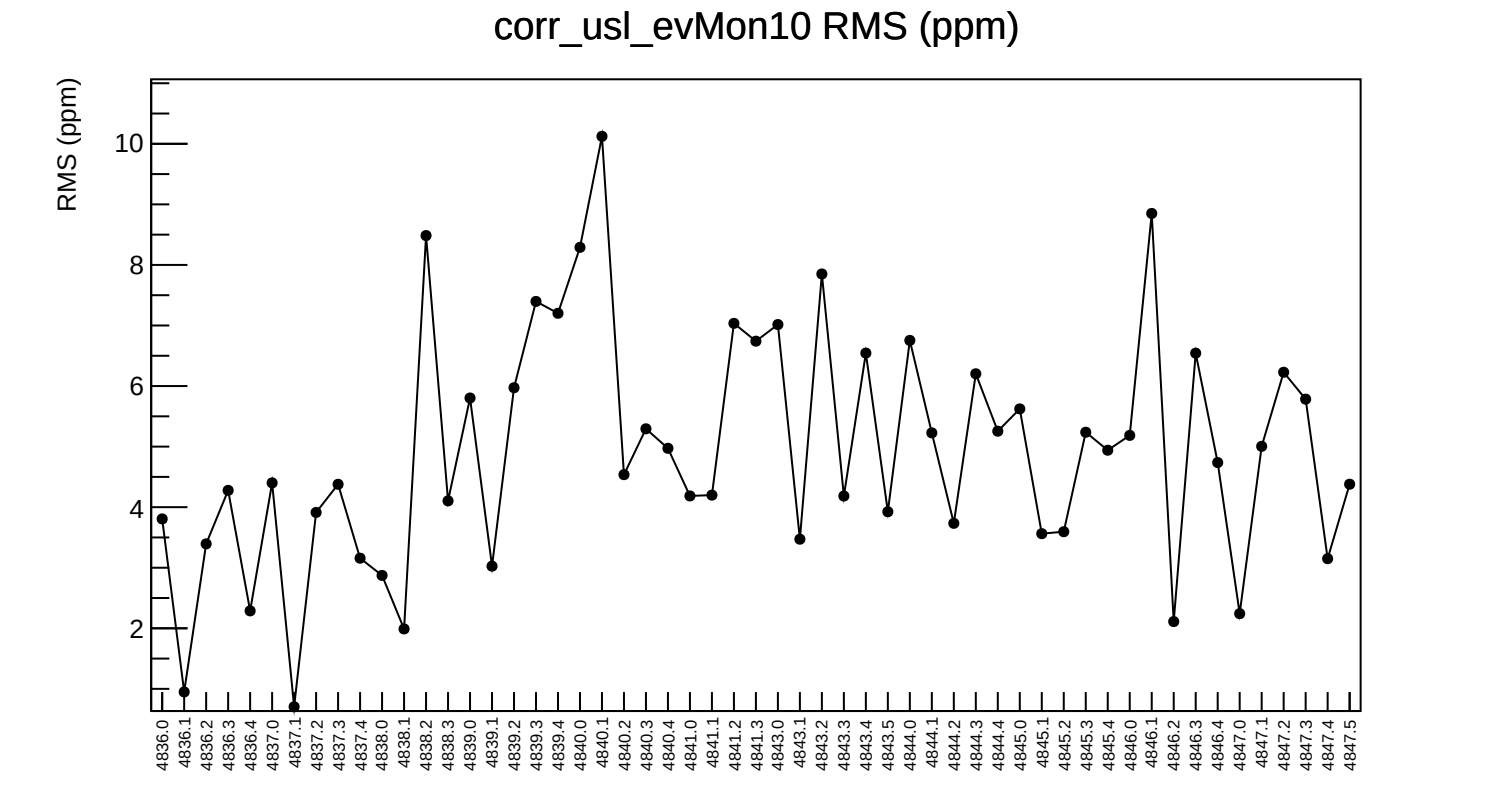

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

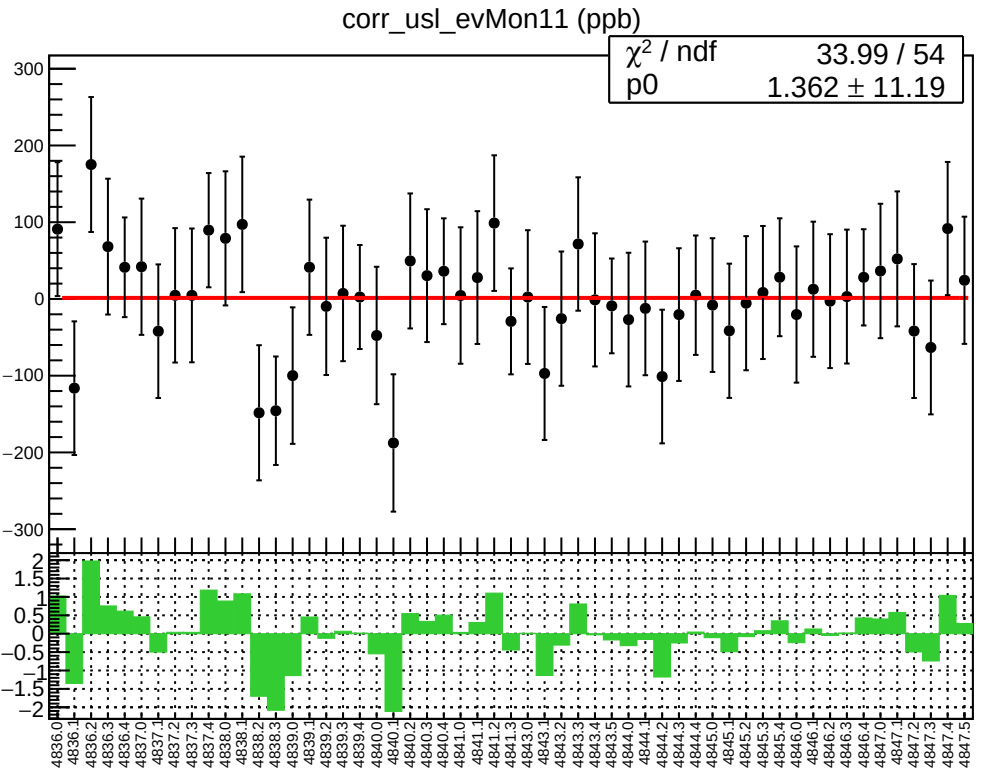

corr_usl_evMon9 (ppb)
χ² / ndf 23.2 / 54
p0 0.04805 ± 7.135
1D pull distribution
Mean 0.005162 ± 0.08758
Std Dev 0.6495 ± 0.06193
Underflow 0
Overflow 0
χ² / ndf 2.821 / 4
Constant 17.77 ± 3.37
Mean 0.003245 ± 0.090489
Sigma 0.6303 ± 0.0877

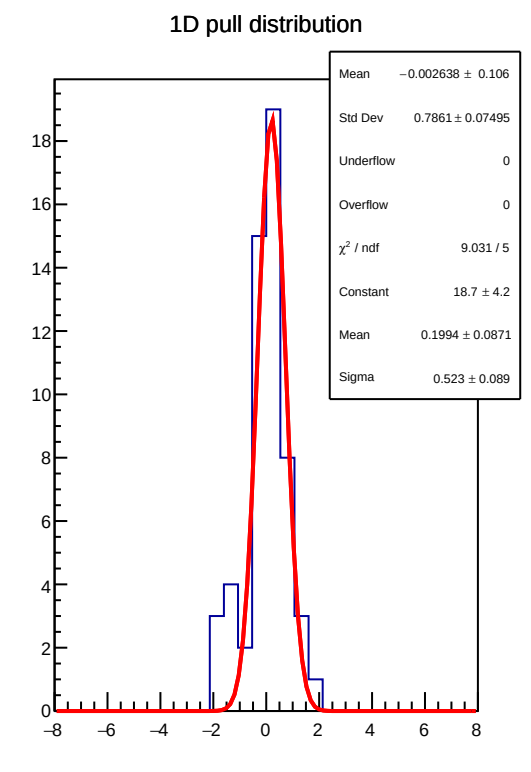

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

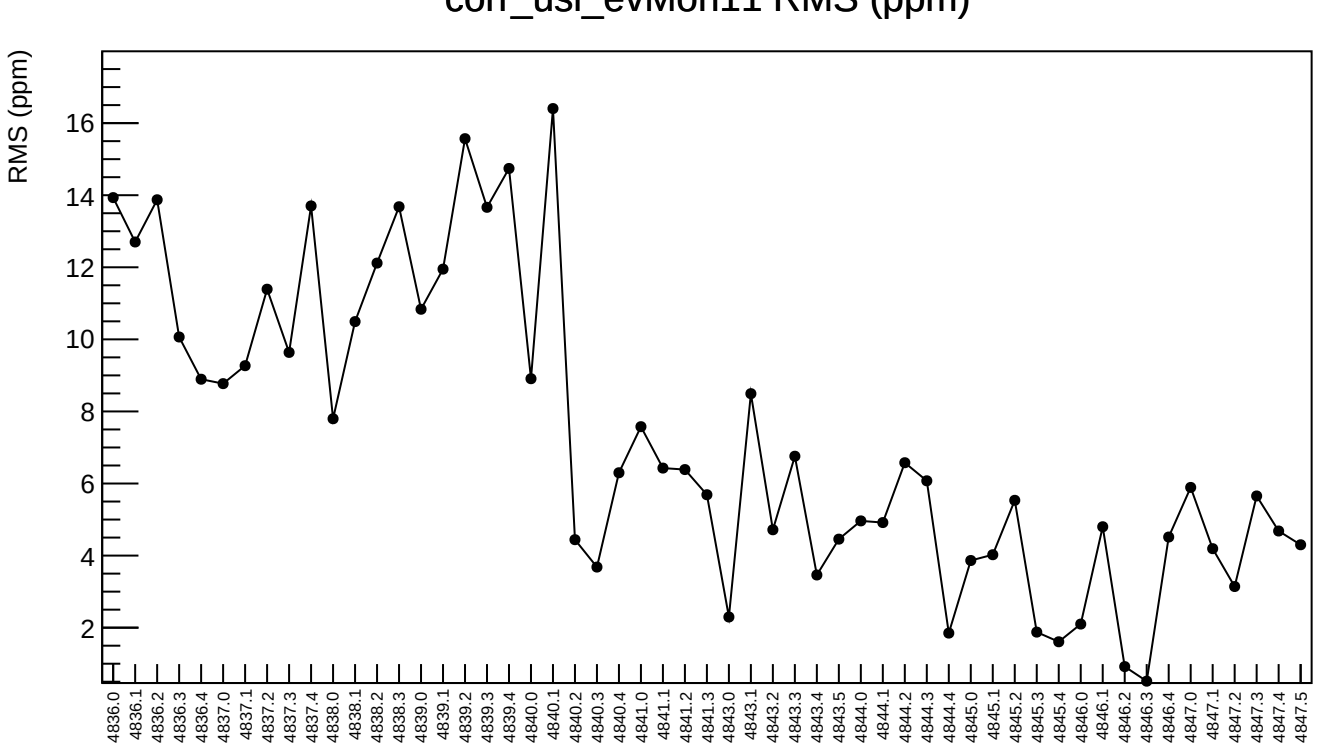

corr_usl_evMon10 (ppb)
χ² / ndf 19.88 / 54
p0 −13.33 ± 10.68
200
150
100
50
0
−50
−100
−150
−200
1.5
1
0.5
0
−0.5
−1
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

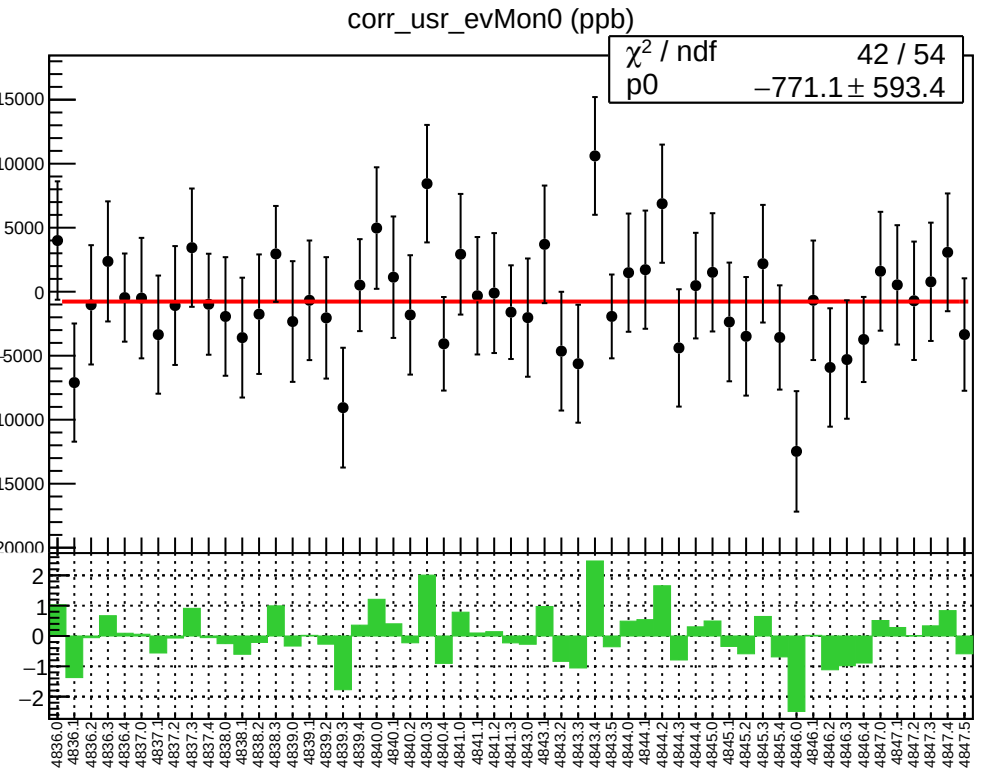

1D pull distribution
Mean −0.0004335 ± 0.08107
Std Dev 0.6012 ± 0.05732
Underflow 0
Overflow 0
χ² / ndf 1.509 / 3
Constant 19.36 ± 3.44
Mean 0.005513 ± 0.091092
Sigma 0.5909 ± 0.0702
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

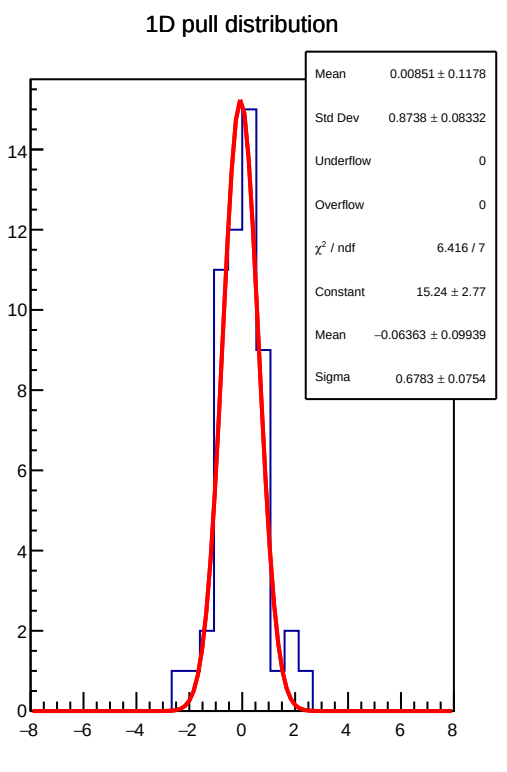

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

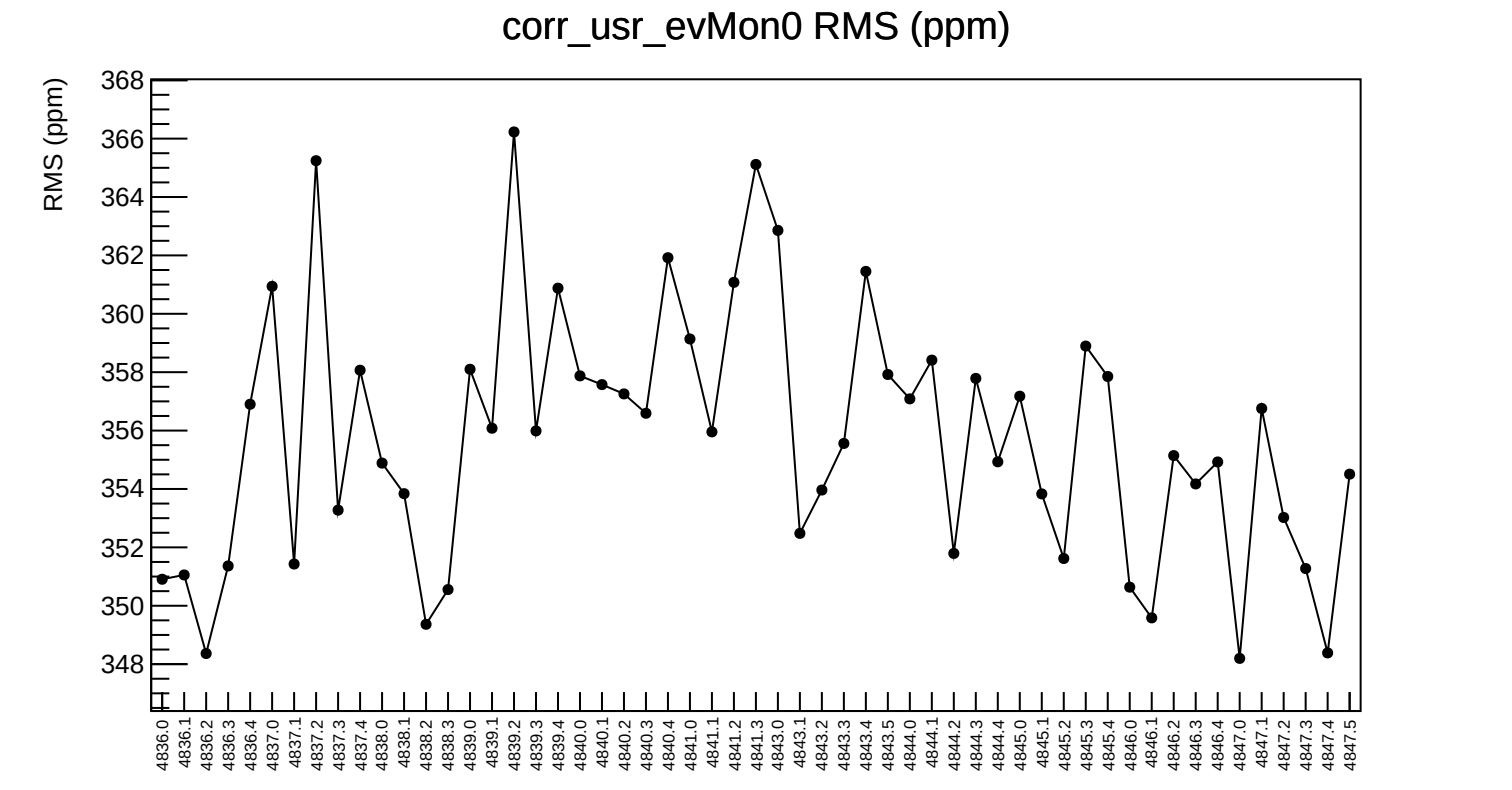

corr_usl_evMon11 (ppb)
χ² / ndf 33.99 / 54
p0 1.362 ± 11.19

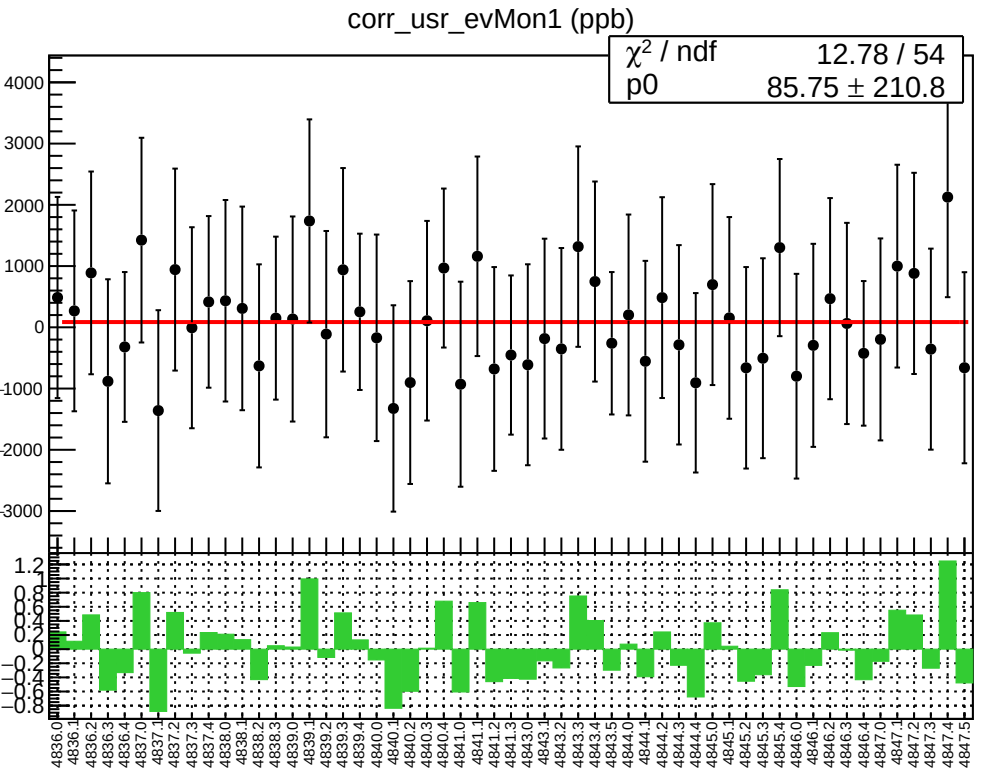

1D pull distribution
Mean −0.002638 ± 0.106
Std Dev 0.7861 ± 0.07495
Underflow 0
Overflow 0
χ² / ndf 9.031 / 5
Constant 18.7 ± 4.2
Mean 0.1994 ± 0.0871
Sigma 0.523 ± 0.089

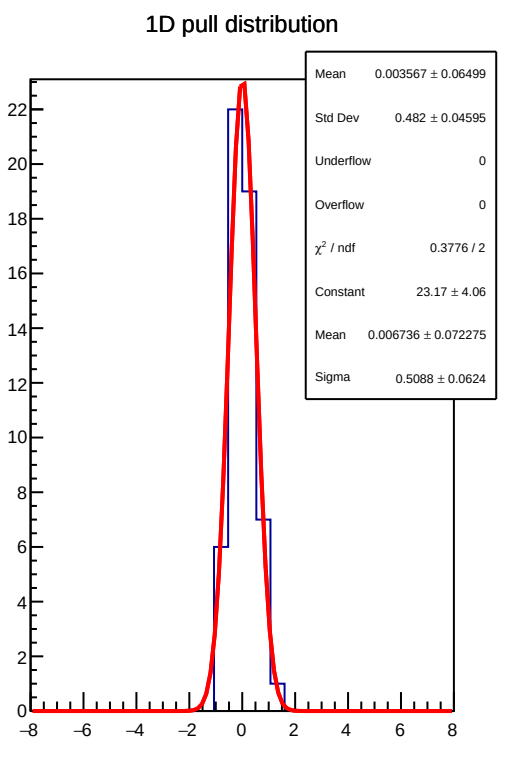

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

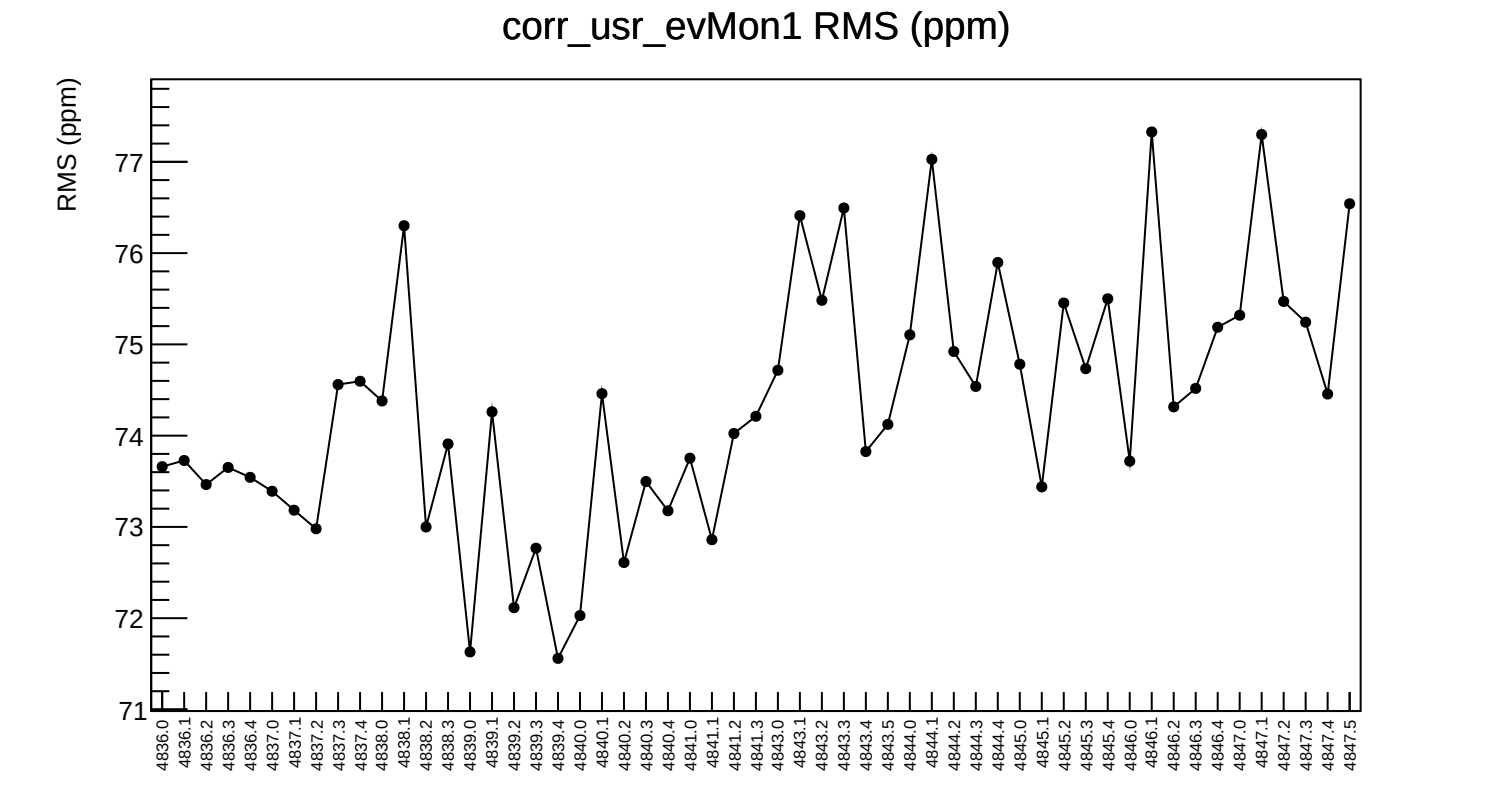

corr_usr_evMon0 (ppb)
χ² / ndf 42 / 54
p0 −771.1 ± 593.4
15000
10000
5000
0
-5000
-10000
-15000
-20000
2
1
0
−1
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

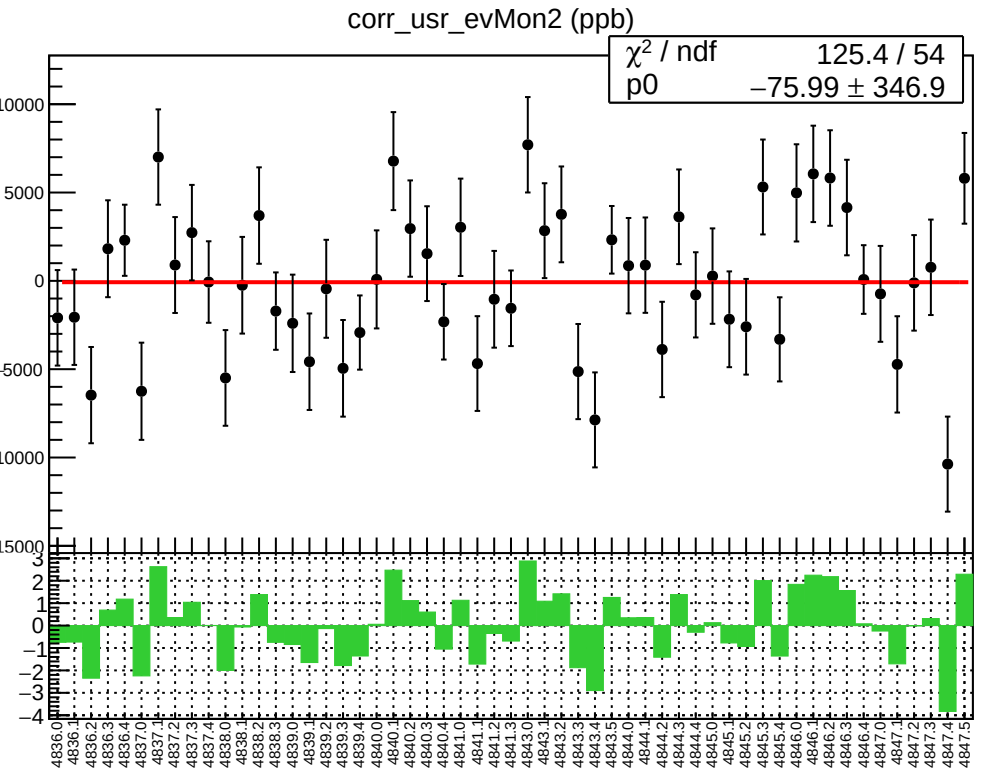

1D pull distribution
Mean 0.00851 ± 0.1178
Std Dev 0.8738 ± 0.08332
Underflow 0
Overflow 0
χ² / ndf 6.416 / 7
Constant 15.24 ± 2.77
Mean −0.06363 ± 0.09939
Sigma 0.6783 ± 0.0754
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

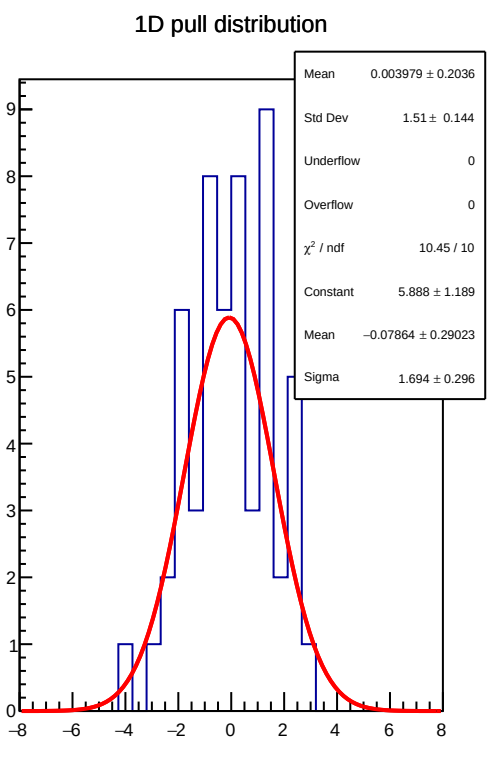

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
368
366
364
362
360
358
356
354
352
350
348
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

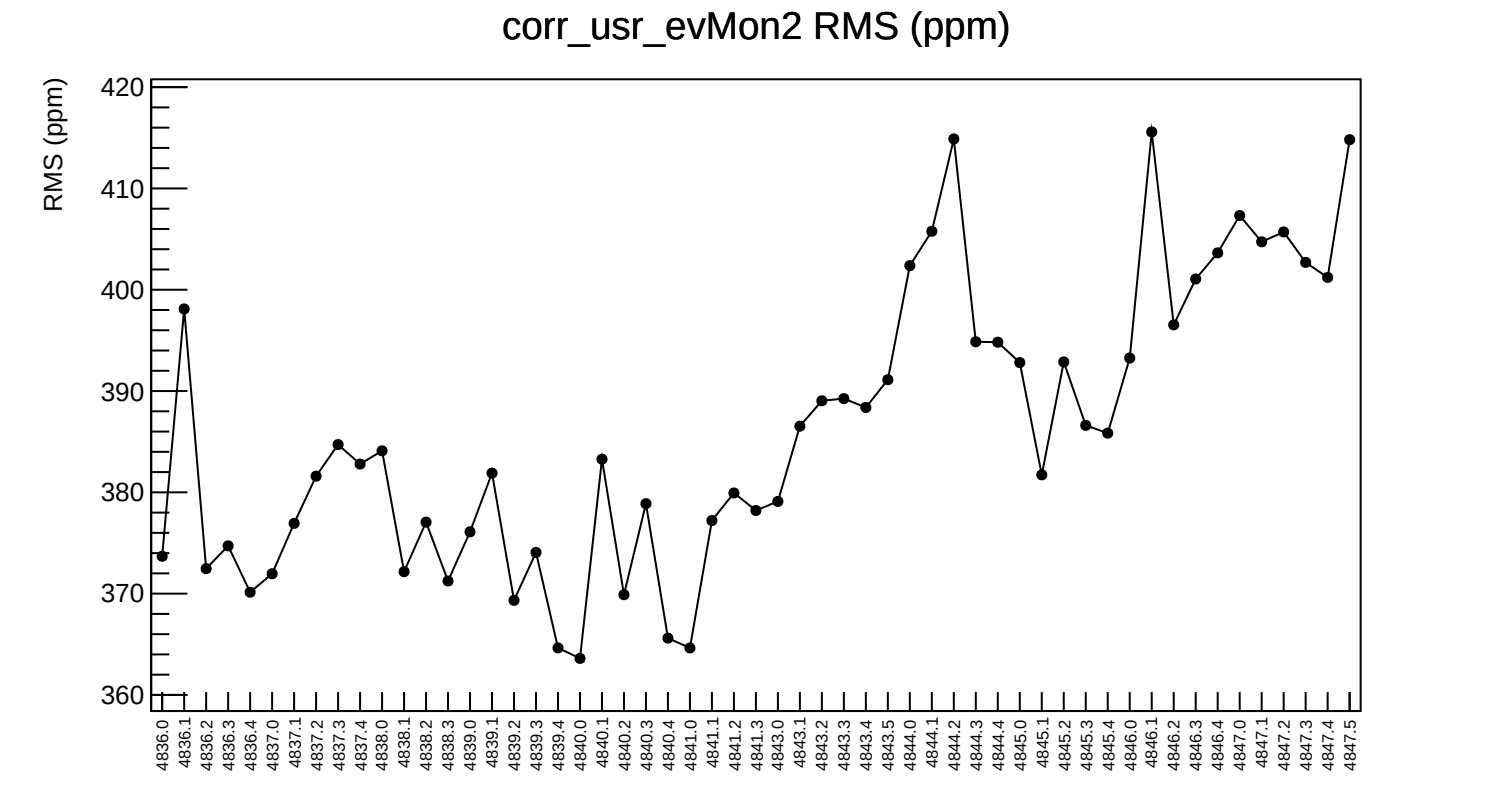

corr_usr_evMon1 (ppb)
χ² / ndf 12.78 / 54
p0 85.75 ± 210.8
4000
3000
2000
1000
0
-1000
-2000
-3000
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

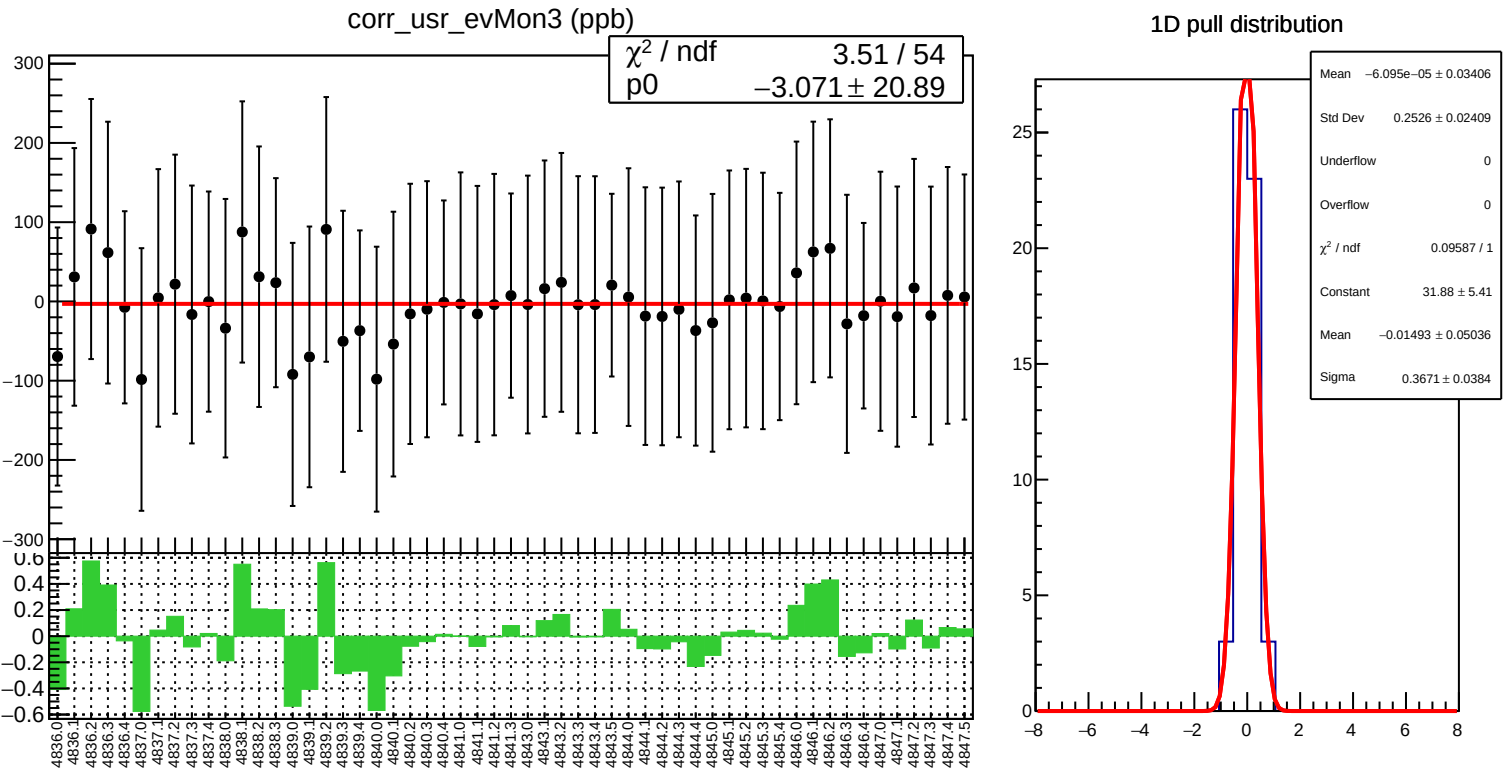

1D pull distribution
Mean 0.003567 ± 0.06499
Std Dev 0.482 ± 0.04595
Underflow 0
Overflow 0
χ² / ndf 0.3776 / 2
Constant 23.17 ± 4.06
Mean 0.006736 ± 0.072275
Sigma 0.5088 ± 0.0624
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

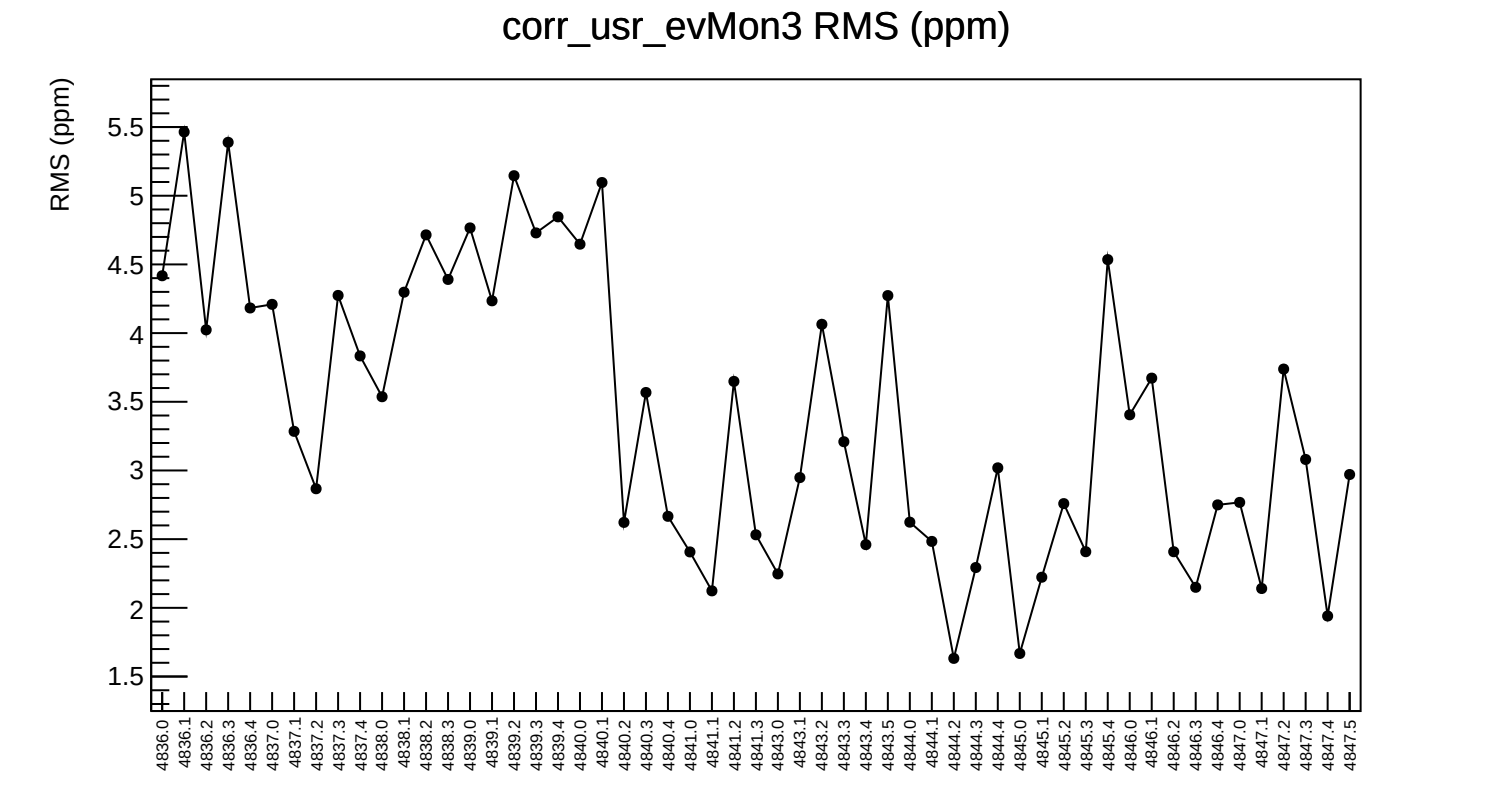

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
77
76
75
74
73
72
71
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

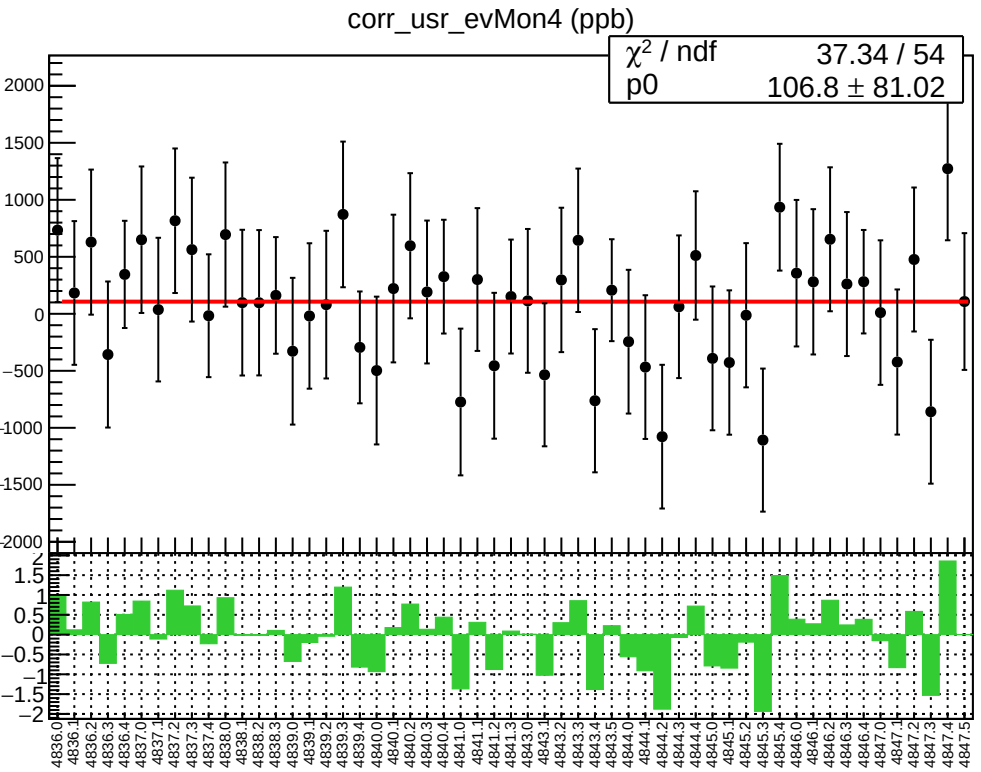

corr_usr_evMon2 (ppb)
χ² / ndf 125.4 / 54
p0 −75.99 ± 346.9
10000
5000
0
−5000
−10000
−15000
3
2
1
0
−1
−2
−3
−4
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

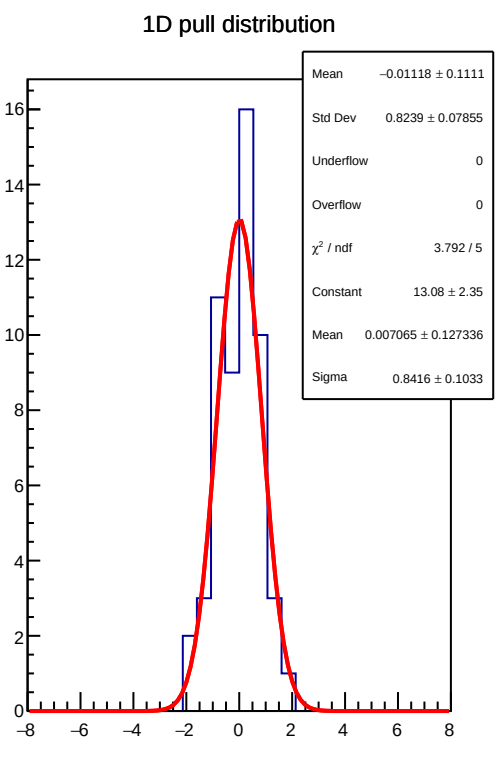

1D pull distribution
Mean 0.003979 ± 0.2036
Std Dev 1.51 ± 0.144
Underflow 0
Overflow 0
χ² / ndf 10.45 / 10
Constant 5.888 ± 1.189
Mean −0.07864 ± 0.29023
Sigma 1.694 ± 0.296
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

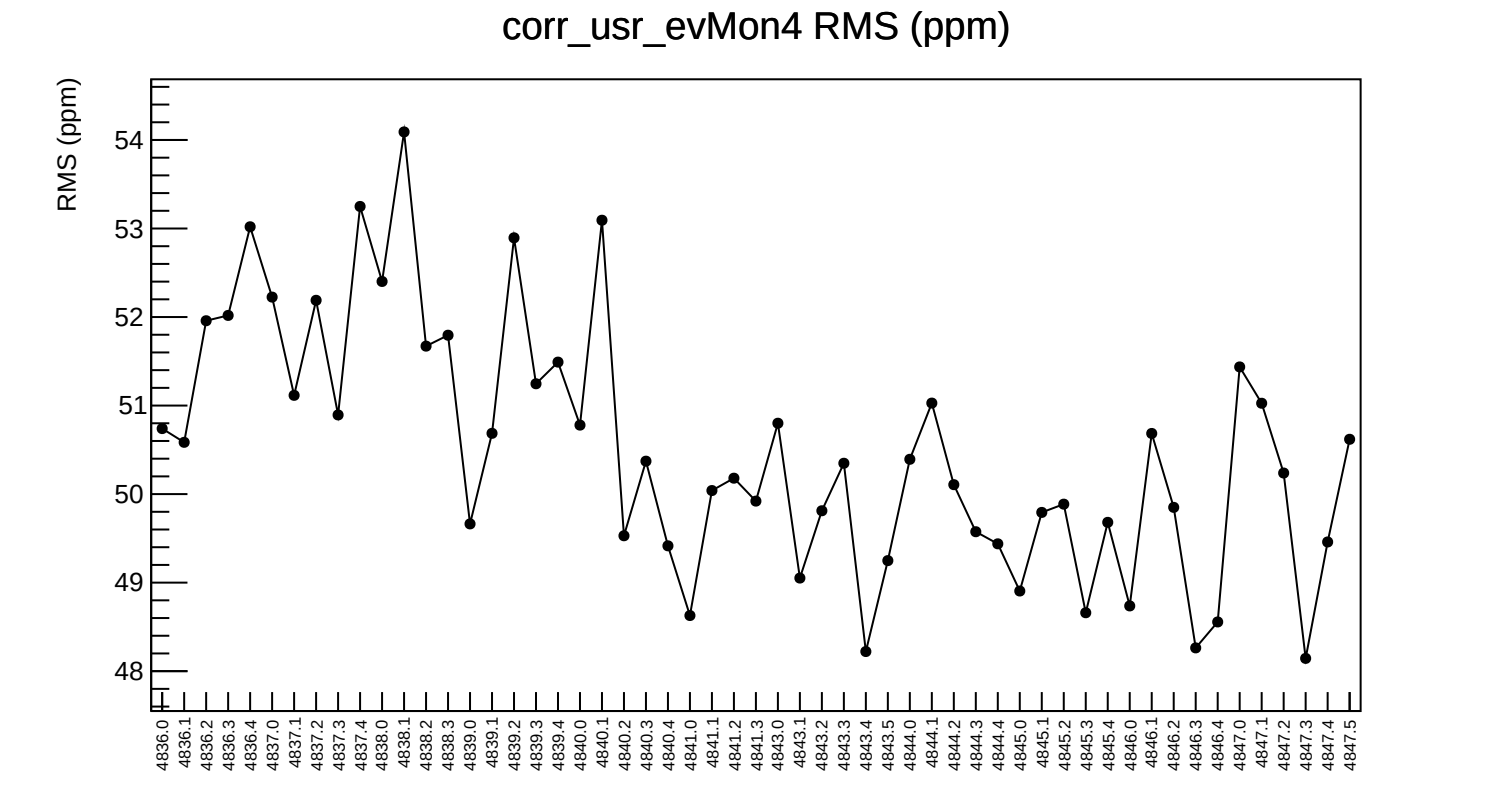

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
420
410
400
390
380
370
360
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

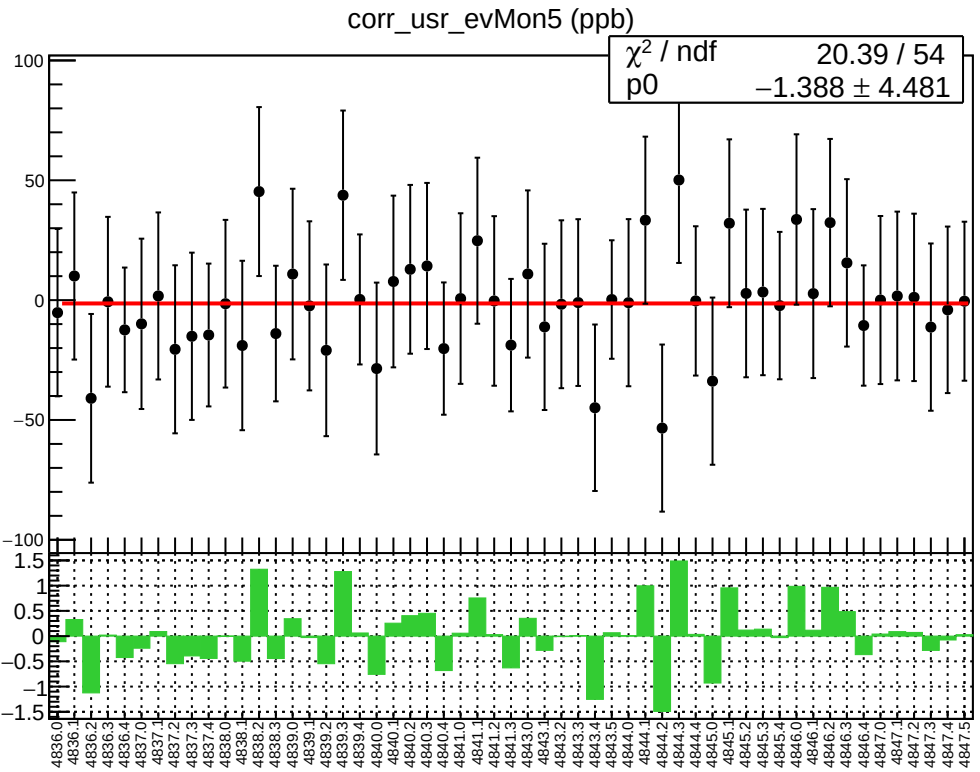

corr_usr_evMon3 (ppb)
χ² / ndf 3.51 / 54
p0 −3.071 ± 20.89
1D pull distribution
Mean −6.095e−05 ± 0.03406
Std Dev 0.2526 ± 0.02409
Underflow 0
Overflow 0
χ² / ndf 0.09587 / 1
Constant 31.88 ± 5.41
Mean −0.01493 ± 0.05036
Sigma 0.3671 ± 0.0384

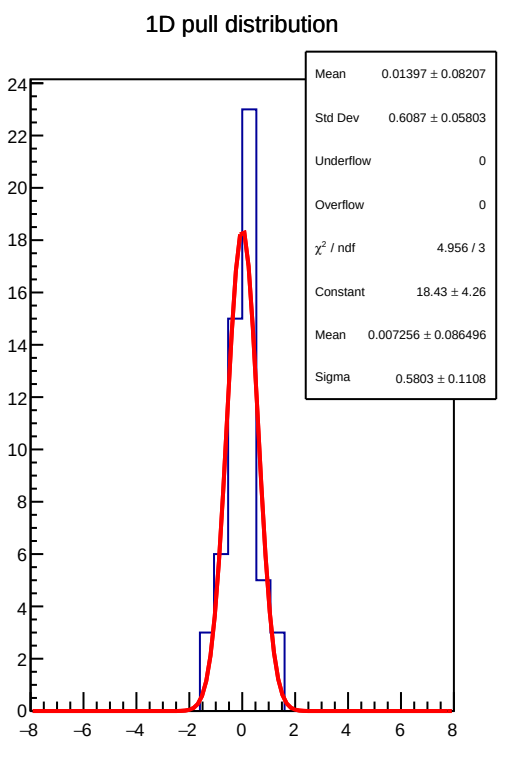

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
5.5
5
4.5
4
3.5
3
2.5
2
1.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

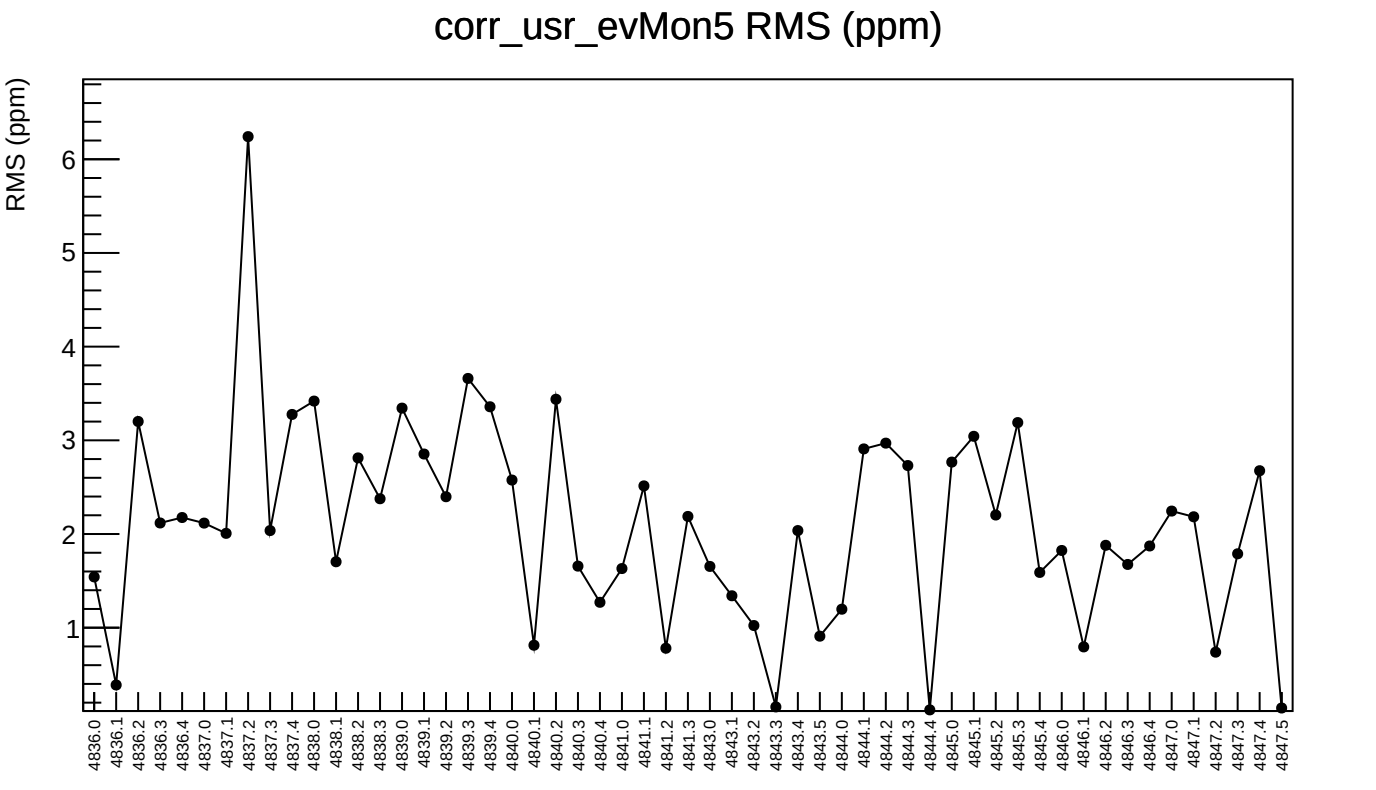

corr_usr_evMon4 (ppb)
χ² / ndf 37.34 / 54
p0 106.8 ± 81.02
2000
1500
1000
500
0
−500
−1000
−1500
−2000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

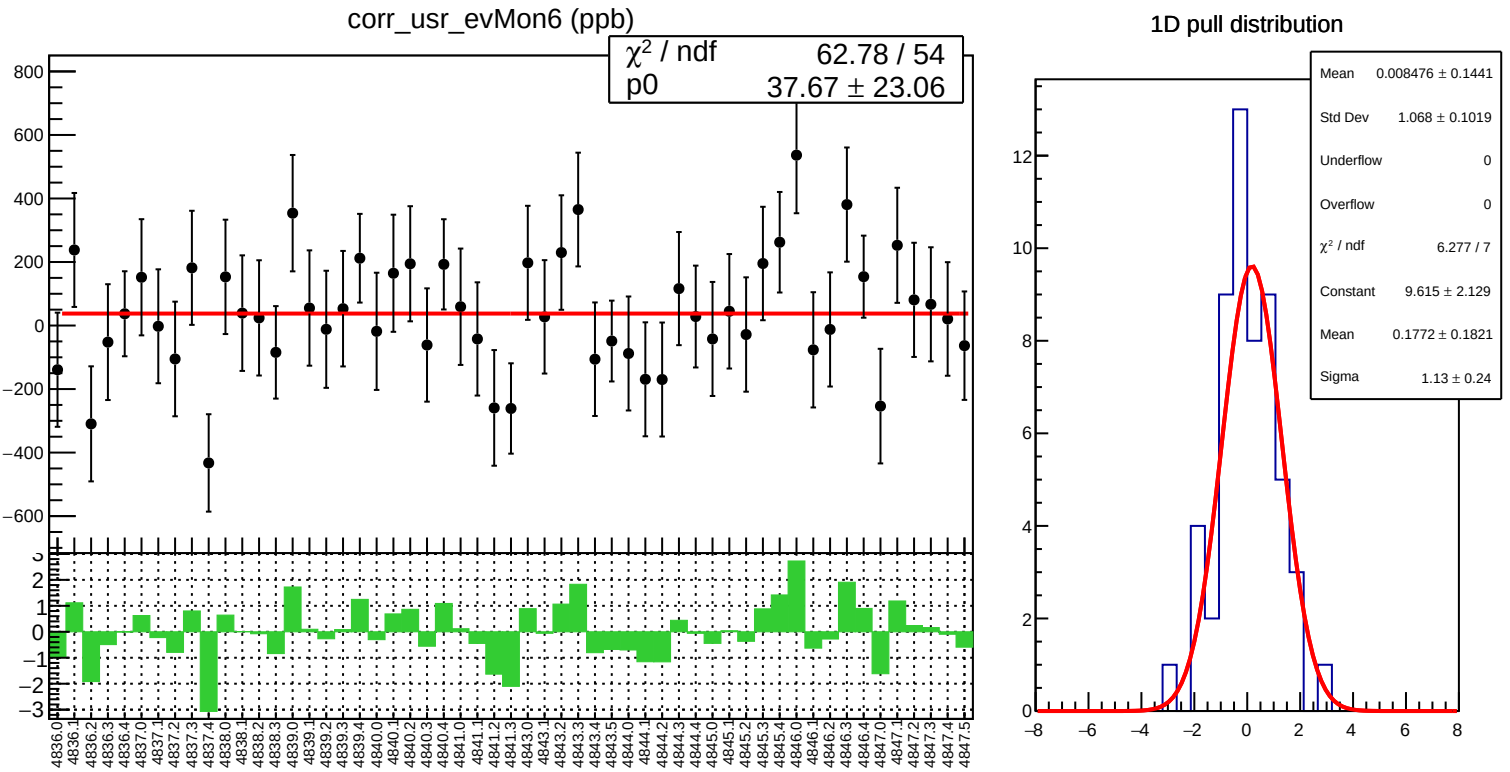

1D pull distribution
Mean −0.01118 ± 0.1111
Std Dev 0.8239 ± 0.07855
Underflow 0
Overflow 0
χ² / ndf 3.792 / 5
Constant 13.08 ± 2.35
Mean 0.007065 ± 0.127336
Sigma 0.8416 ± 0.1033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

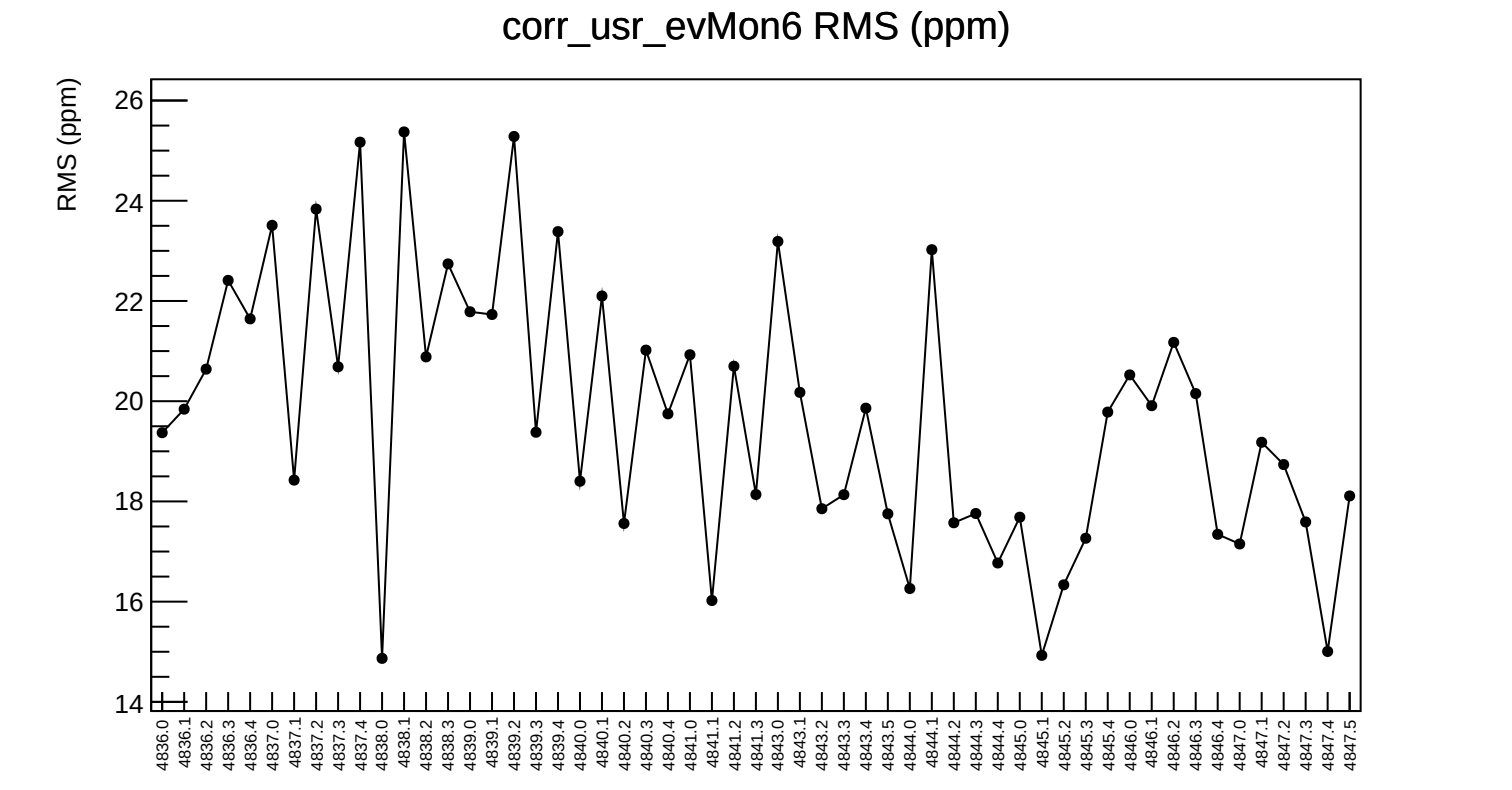

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
54
53
52
51
50
49
48
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

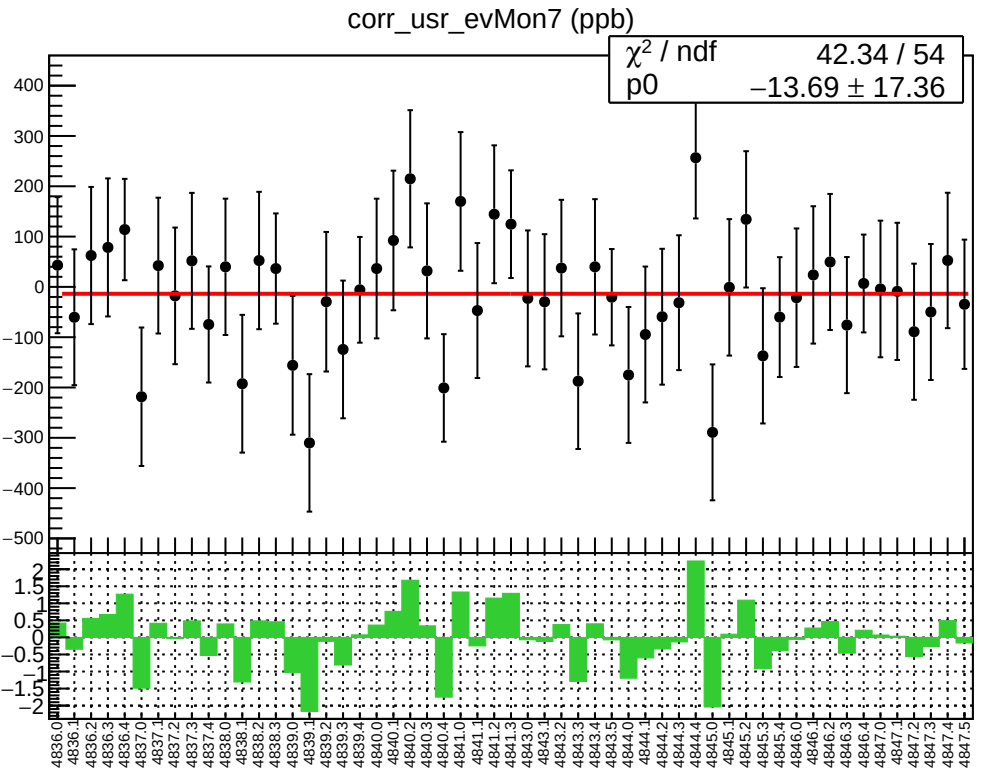

corr_usr_evMon5 (ppb)
χ² / ndf 20.39 / 54
p0 −1.388 ± 4.481
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

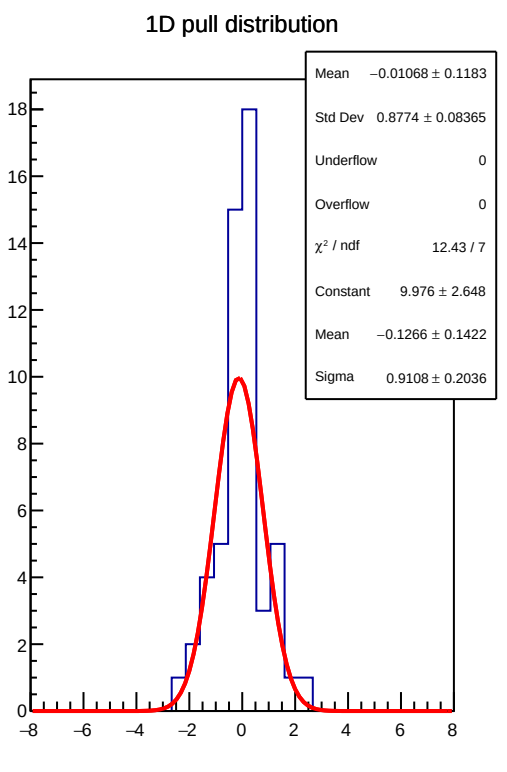

1D pull distribution
Mean 0.01397 ± 0.08207
Std Dev 0.6087 ± 0.05803
Underflow 0
Overflow 0
χ² / ndf 4.956 / 3
Constant 18.43 ± 4.26
Mean 0.007256 ± 0.086496
Sigma 0.5803 ± 0.1108
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

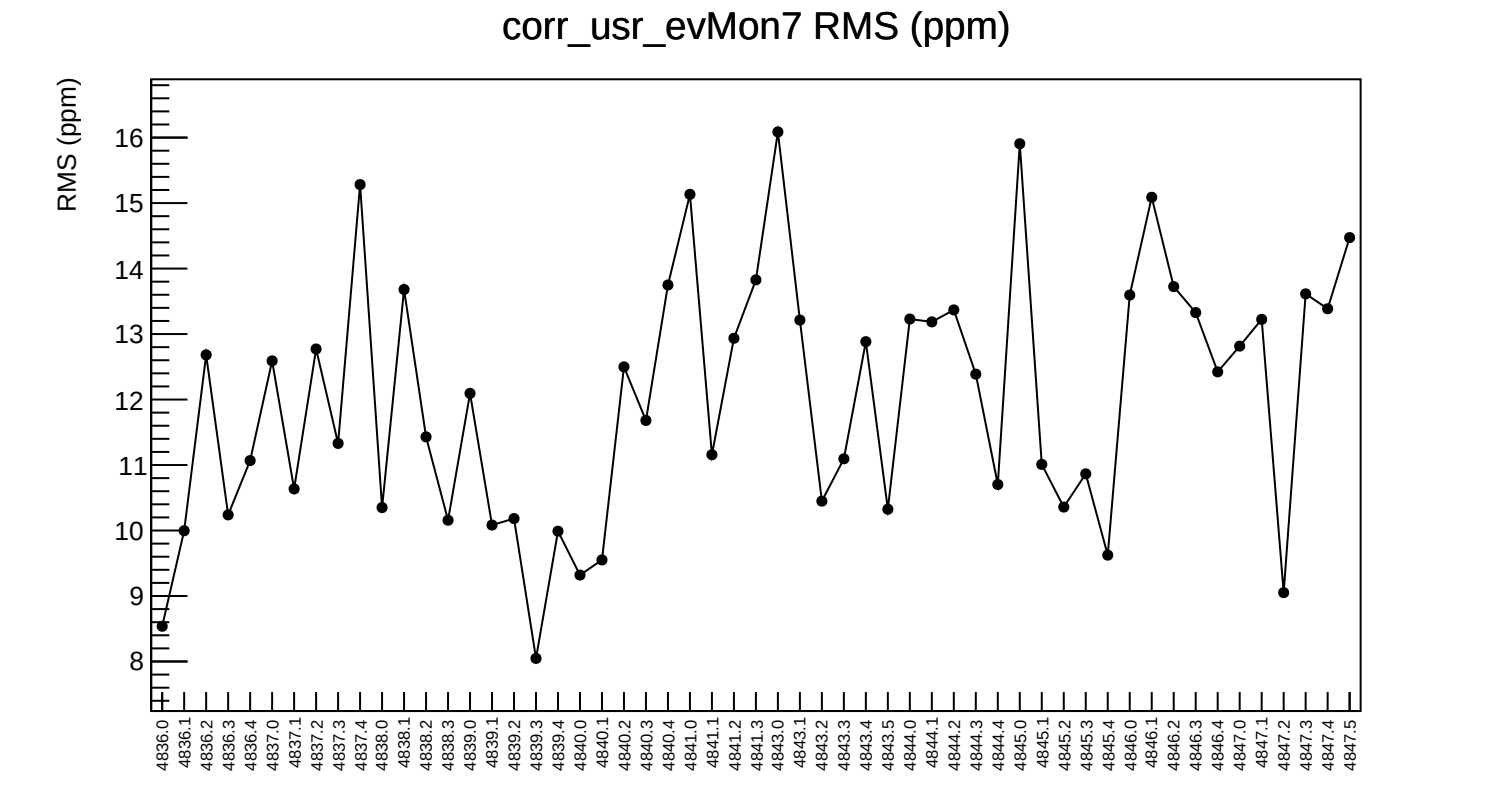

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

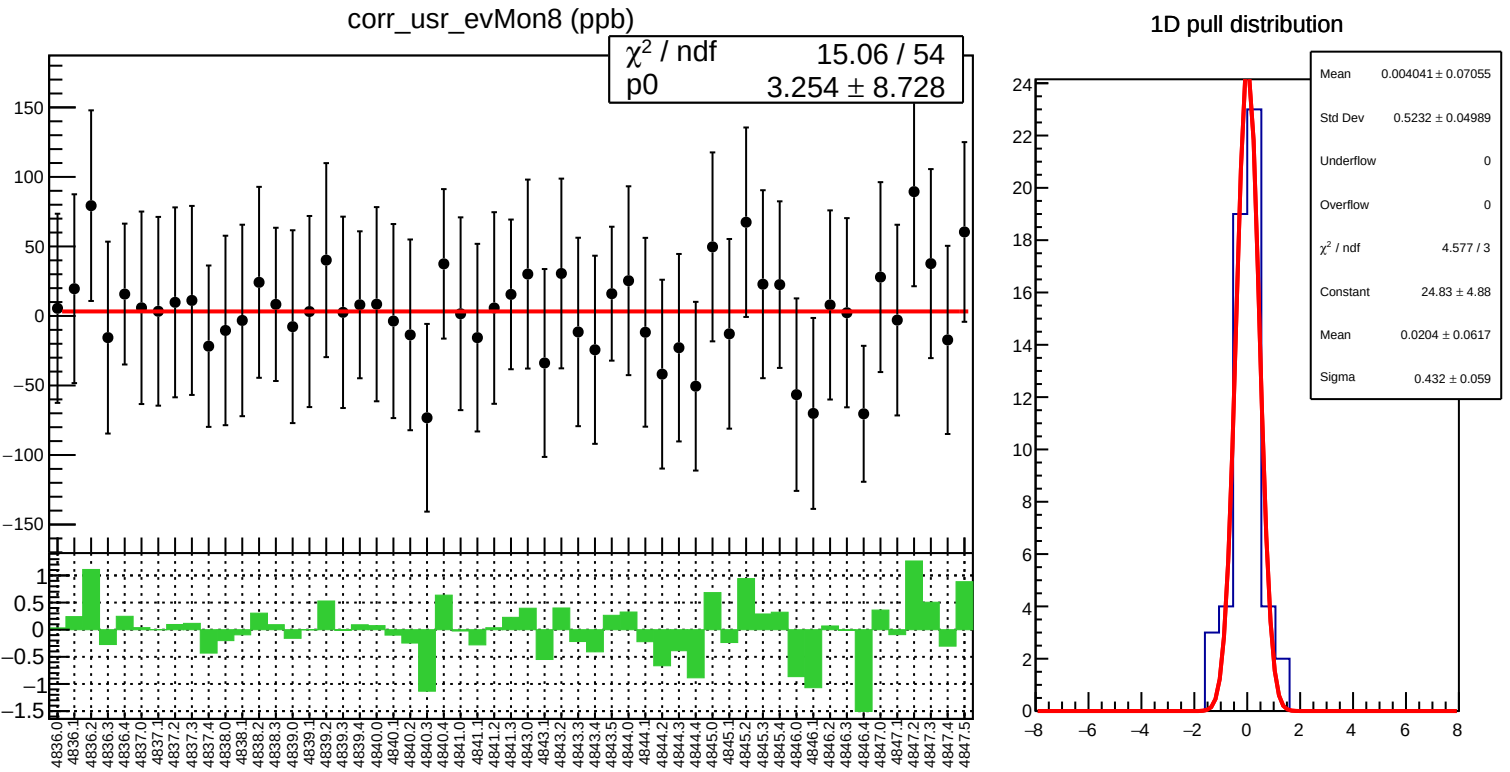

corr_usr_evMon6 (ppb)
χ² / ndf 62.78 / 54
p0 37.67 ± 23.06
1D pull distribution
Mean 0.008476 ± 0.1441
Std Dev 1.068 ± 0.1019
Underflow 0
Overflow 0
χ² / ndf 6.277 / 7
Constant 9.615 ± 2.129
Mean 0.1772 ± 0.1821
Sigma 1.13 ± 0.24

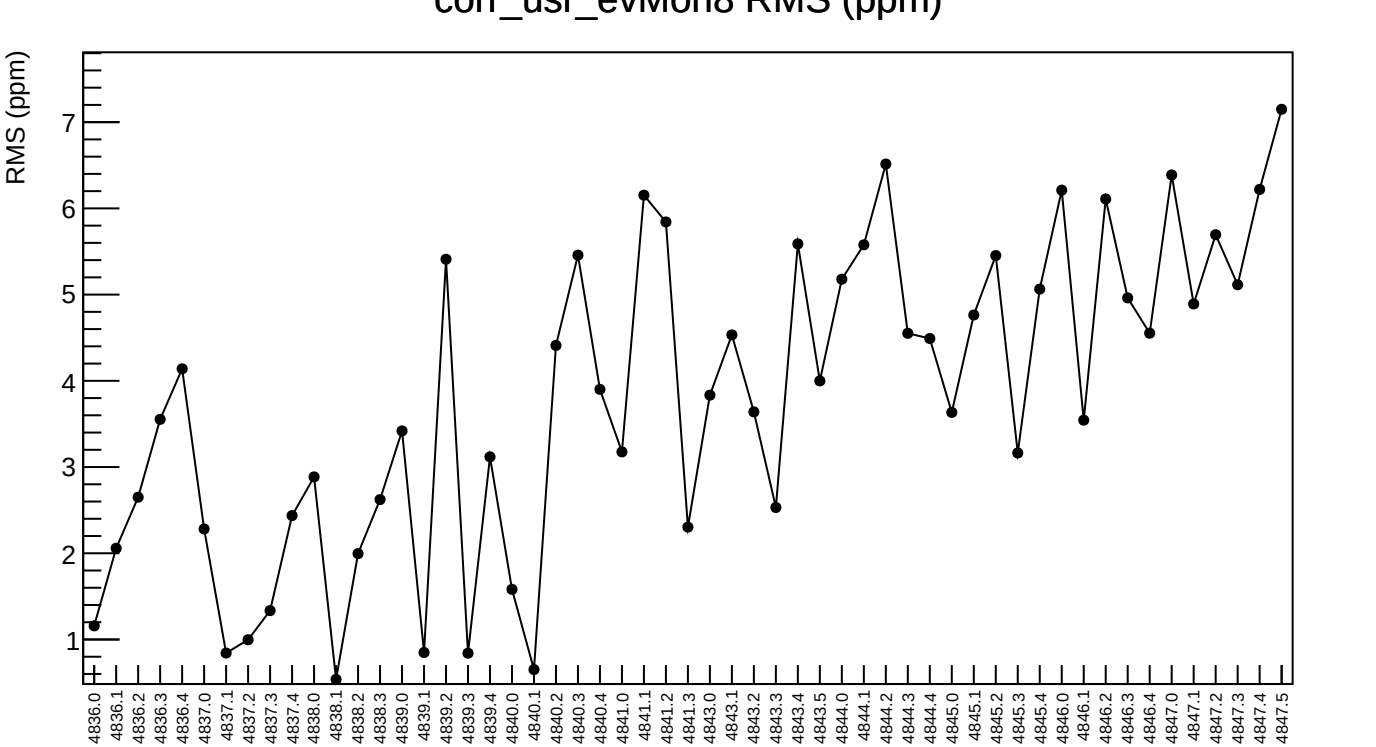

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
26
24
22
20
18
16
14
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

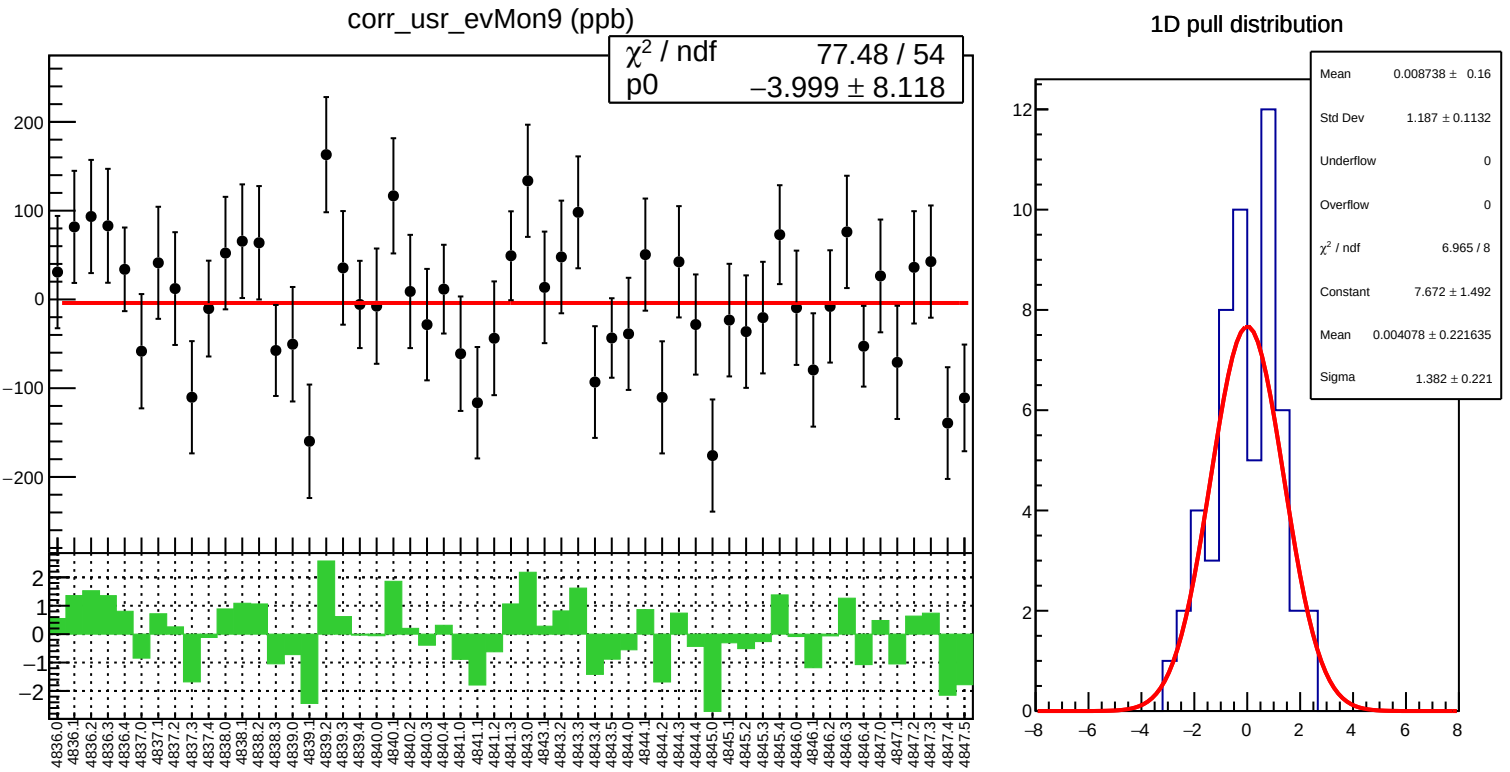

corr_usr_evMon7 (ppb)
χ² / ndf 42.34 / 54
p0 −13.69 ± 17.36

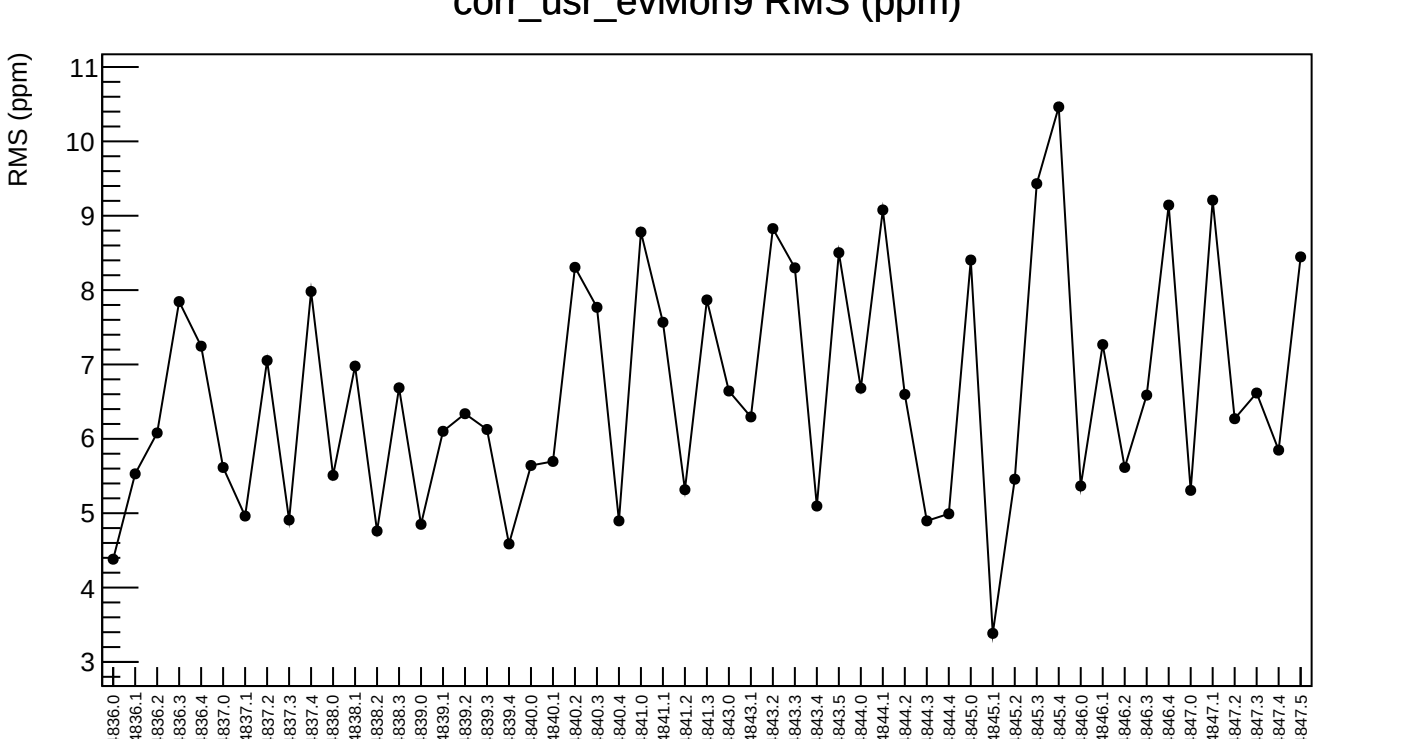

1D pull distribution
Mean −0.01068 ± 0.1183
Std Dev 0.8774 ± 0.08365
Underflow 0
Overflow 0
χ² / ndf 12.43 / 7
Constant 9.976 ± 2.648
Mean −0.1266 ± 0.1422
Sigma 0.9108 ± 0.2036

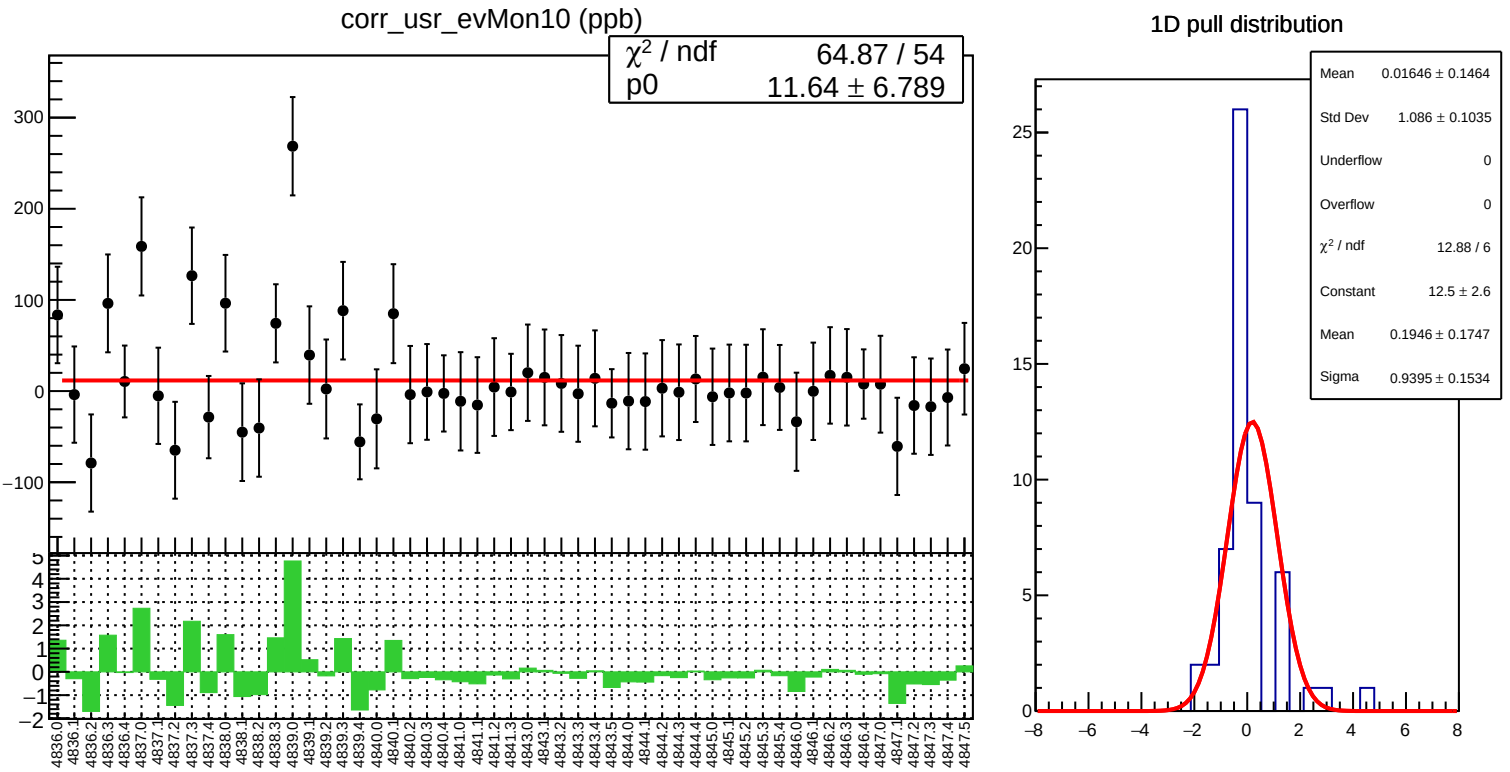

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
16
15
14
13
12
11
10
9
8
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

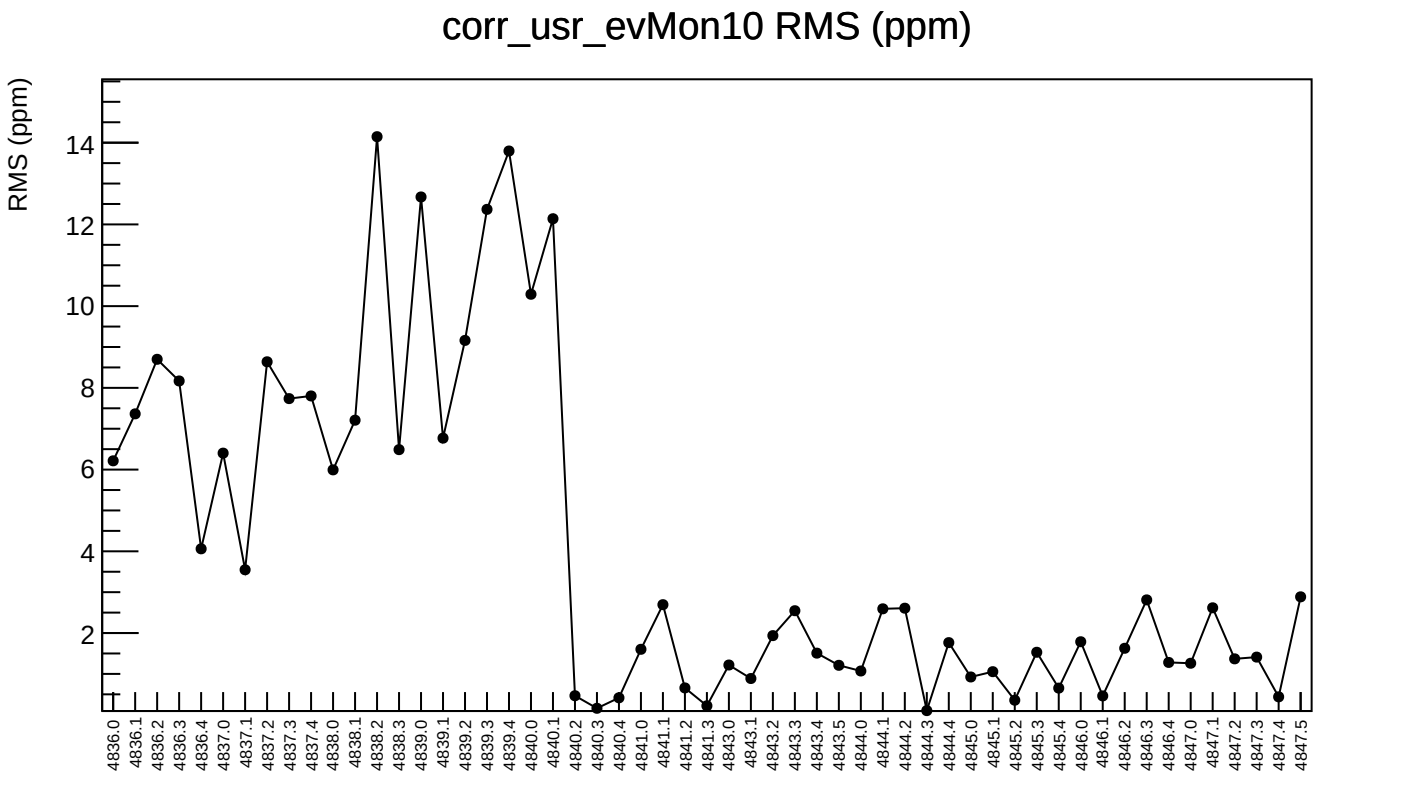

corr_usr_evMon8 (ppb)
χ² / ndf 15.06 / 54
p0 3.254 ± 8.728
1D pull distribution
Mean 0.004041 ± 0.07055
Std Dev 0.5232 ± 0.04989
Underflow 0
Overflow 0
χ² / ndf 4.577 / 3
Constant 24.83 ± 4.88
Mean 0.0204 ± 0.0617
Sigma 0.432 ± 0.059

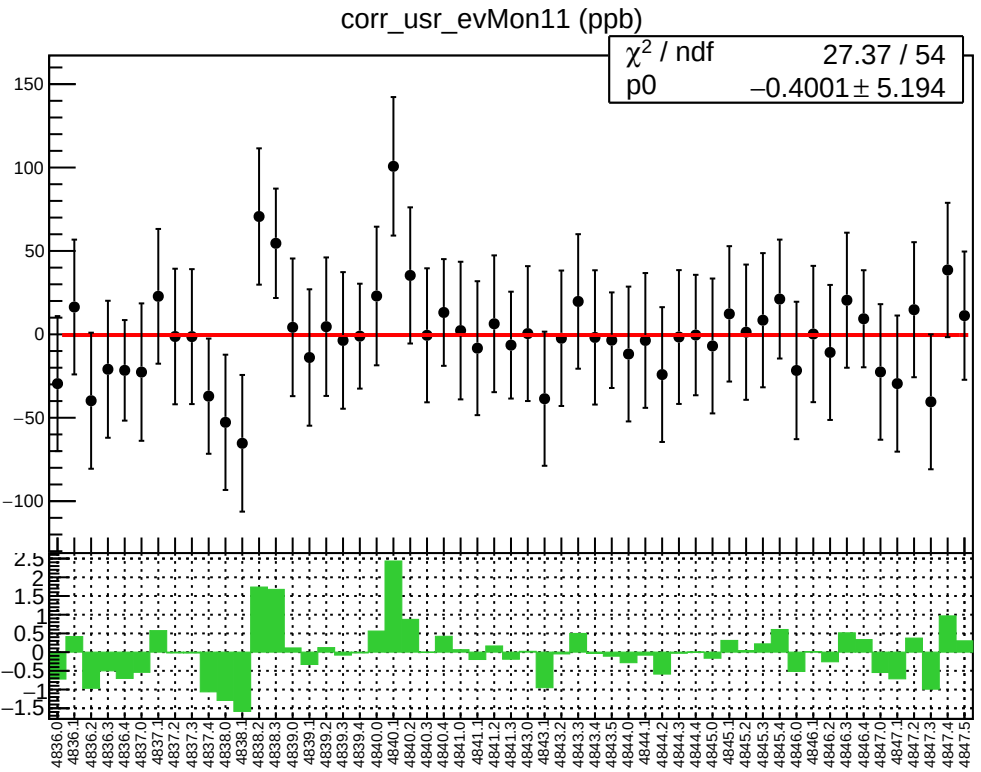

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5

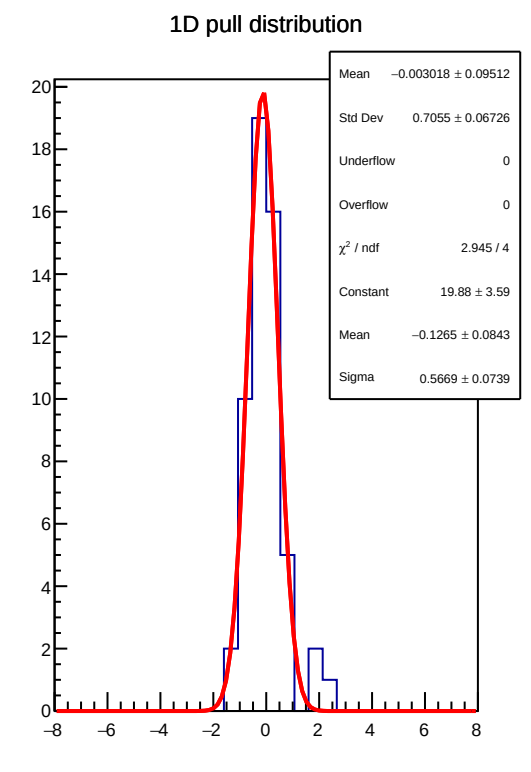

corr_usr_evMon9 (ppb)
χ² / ndf 77.48 / 54
p0 −3.999 ± 8.118
200
100
0
−100
−200
2
1
0
−1
−2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5
1D pull distribution
Mean 0.008738 ± 0.16
Std Dev 1.187 ± 0.1132
Underflow 0
Overflow 0
χ² / ndf 6.965 / 8
Constant 7.672 ± 1.492
Mean 0.004078 ± 0.221635
Sigma 1.382 ± 0.221
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

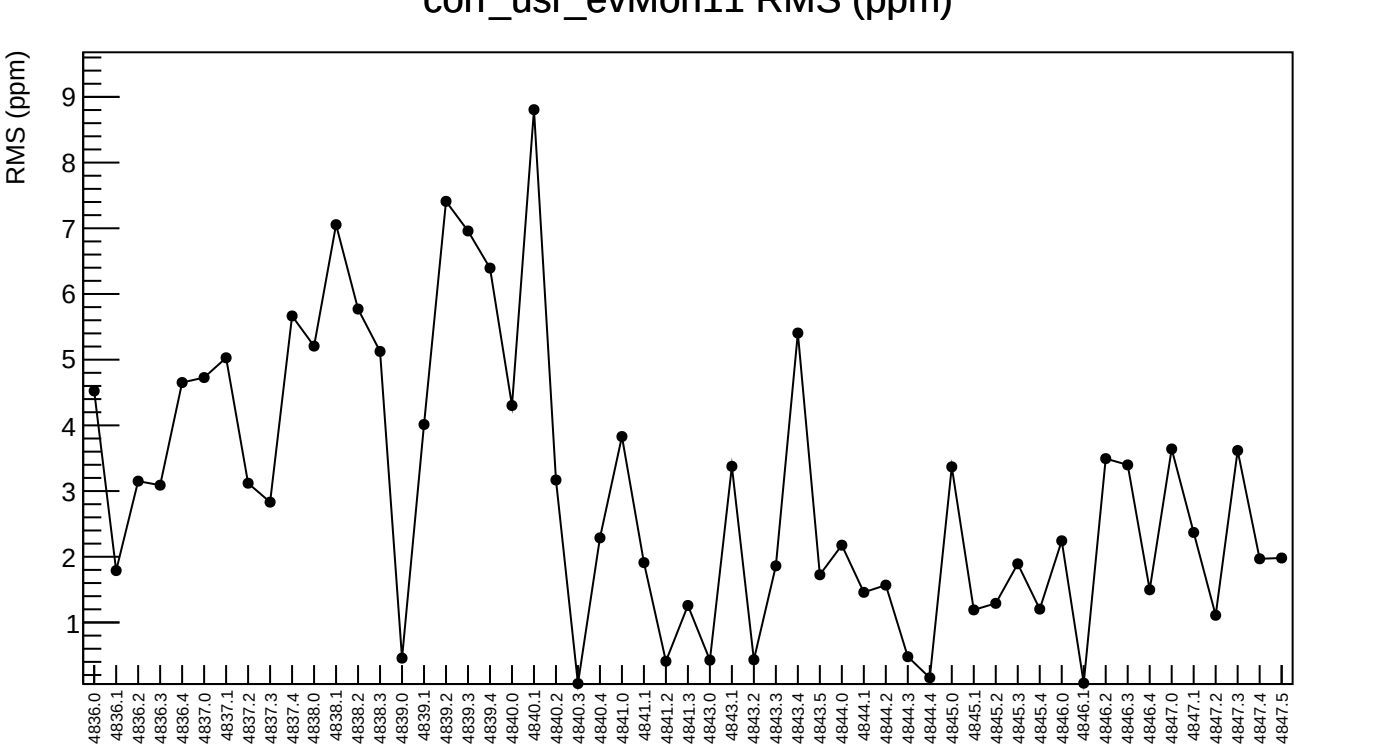

corr_usr_evMon9 RMS (ppm)
RMS (ppm)
11
10
9
8
7
6
5
4
3
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5


corr_usr_evMon10 (ppb)
χ² / ndf 64.87 / 54
p0 11.64 ± 6.789
1D pull distribution
Mean 0.01646 ± 0.1464
Std Dev 1.086 ± 0.1035
Underflow 0
Overflow 0
χ² / ndf 12.88 / 6
Constant 12.5 ± 2.6
Mean 0.1946 ± 0.1747
Sigma 0.9395 ± 0.1534


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
2
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5


corr_usr_evMon11 (ppb)
χ² / ndf 27.37 / 54
p0 −0.4001 ± 5.194


1D pull distribution
Mean −0.003018 ± 0.09512
Std Dev 0.7055 ± 0.06726
Underflow 0
Overflow 0
χ² / ndf 2.945 / 4
Constant 19.88 ± 3.59
Mean −0.1265 ± 0.0843
Sigma 0.5669 ± 0.0739


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
9
4836.0
4836.1
4836.2
4836.3
4836.4
4837.0
4837.1
4837.2
4837.3
4837.4
4838.0
4838.1
4838.2
4838.3
4839.0
4839.1
4839.2
4839.3
4839.4
4840.0
4840.1
4840.2
4840.3
4840.4
4841.0
4841.1
4841.2
4841.3
4843.0
4843.1
4843.2
4843.3
4843.4
4843.5
4844.0
4844.1
4844.2
4844.3
4844.4
4845.0
4845.1
4845.2
4845.3
4845.4
4846.0
4846.1
4846.2
4846.3
4846.4
4847.0
4847.1
4847.2
4847.3
4847.4
4847.5