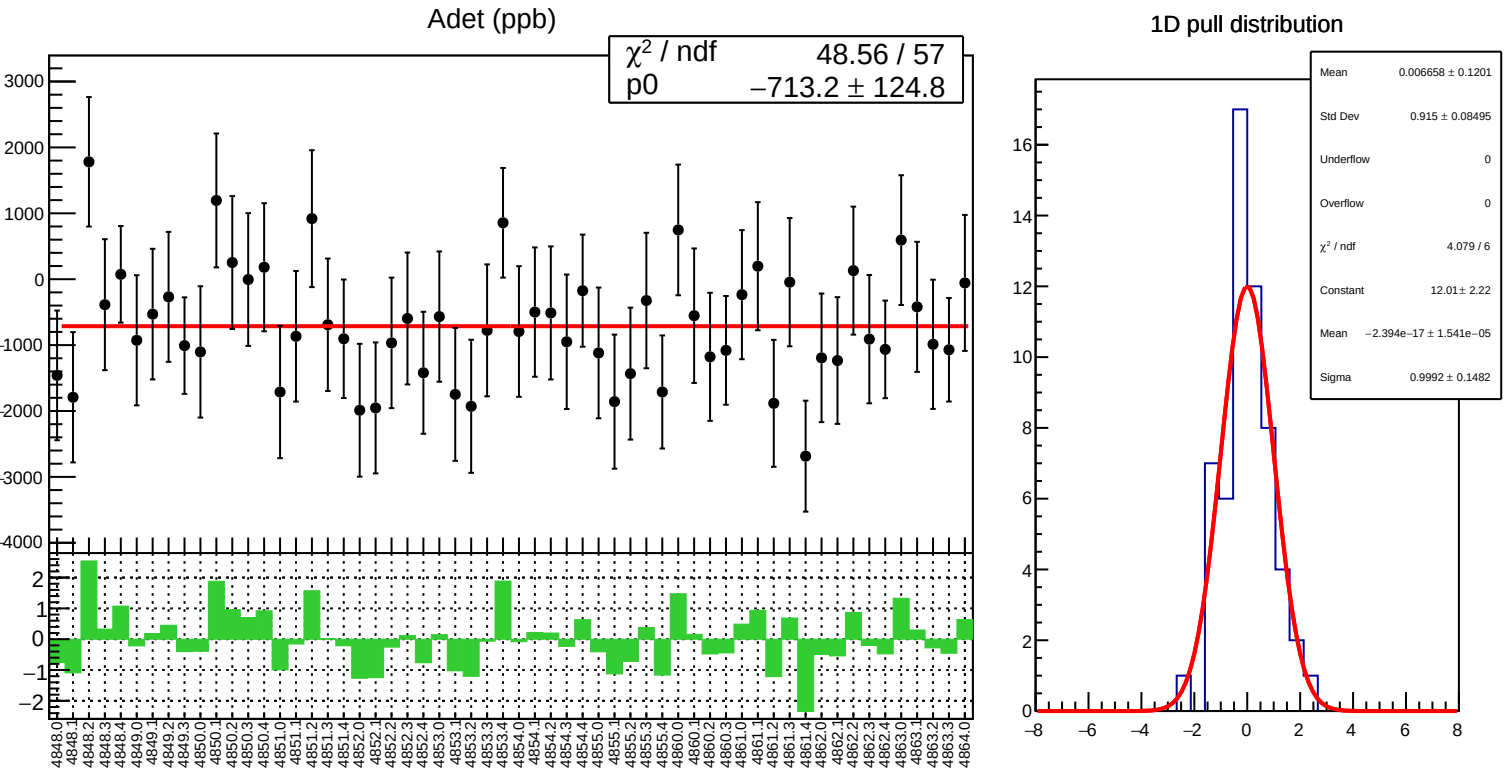
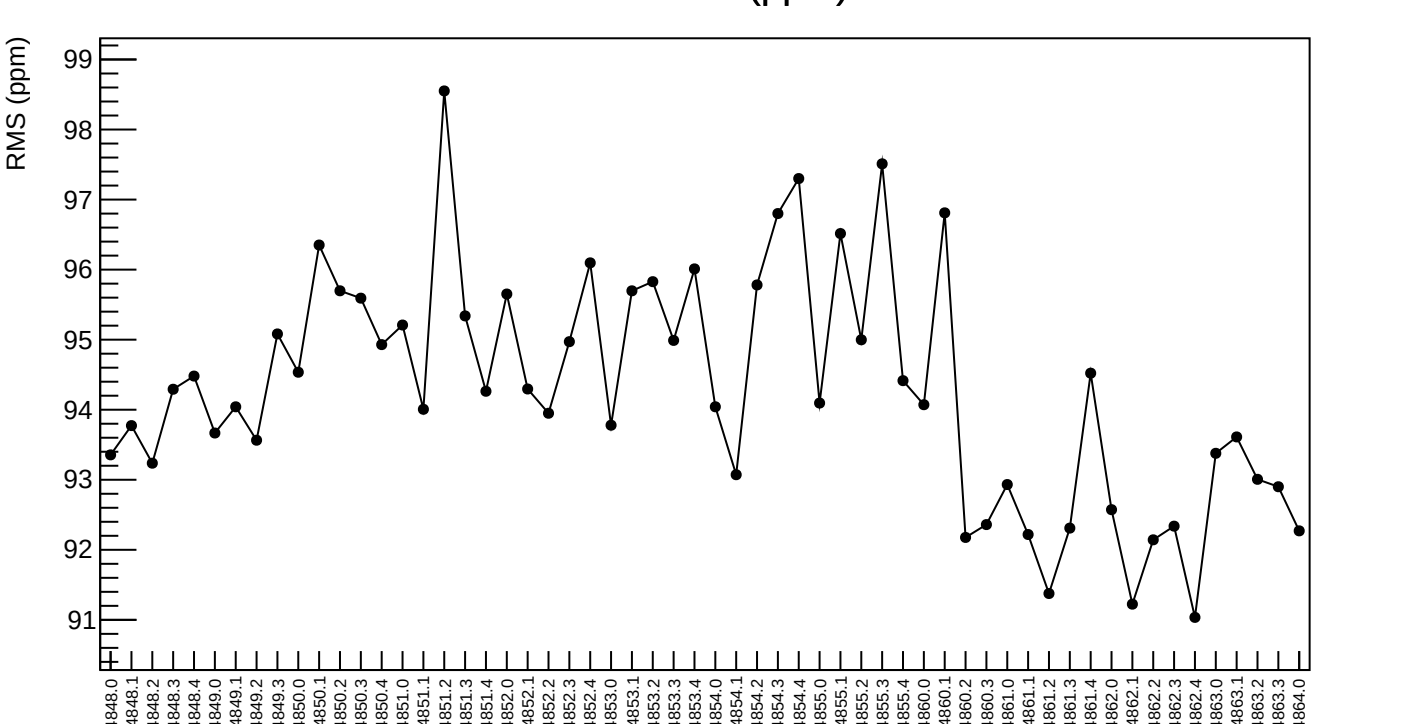
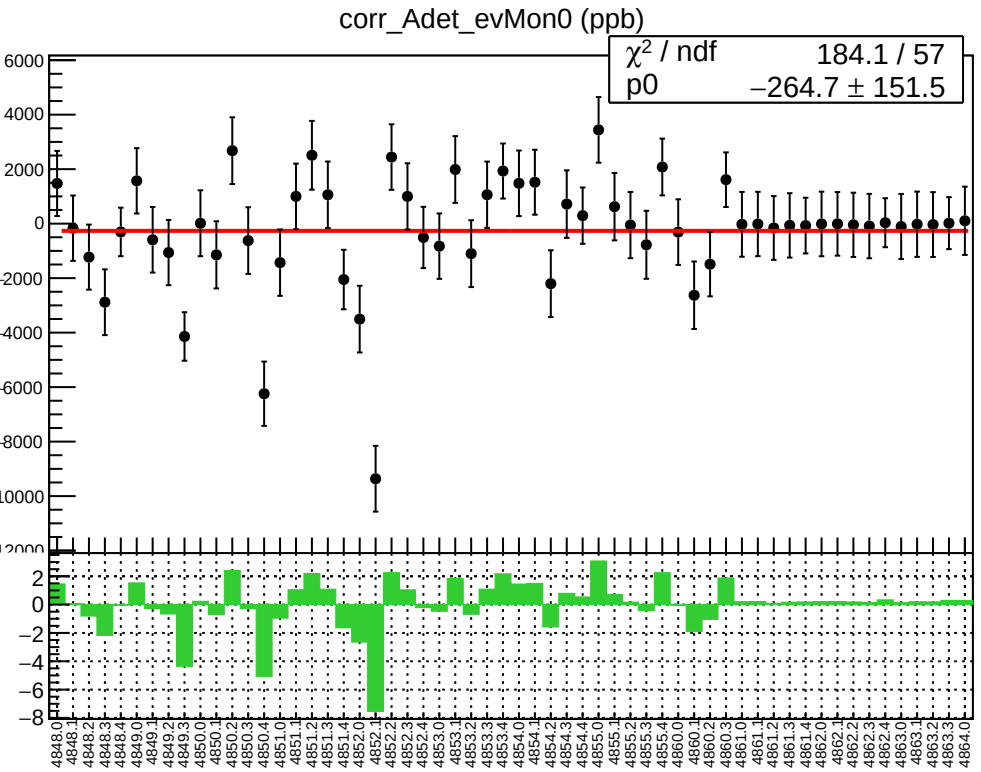
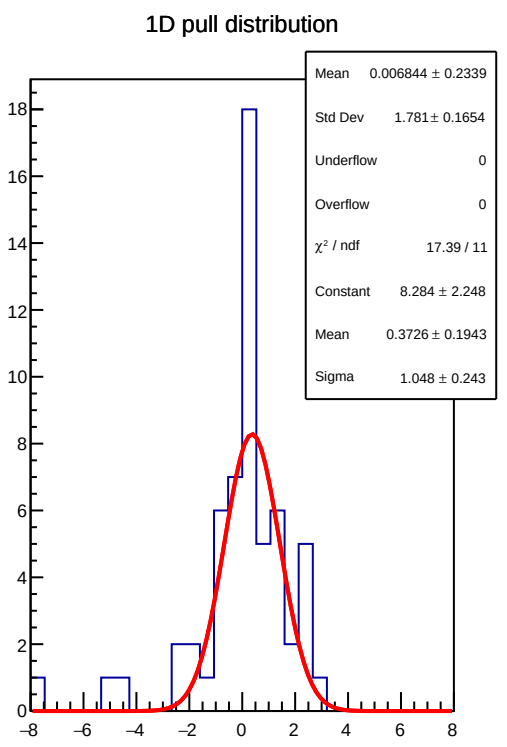
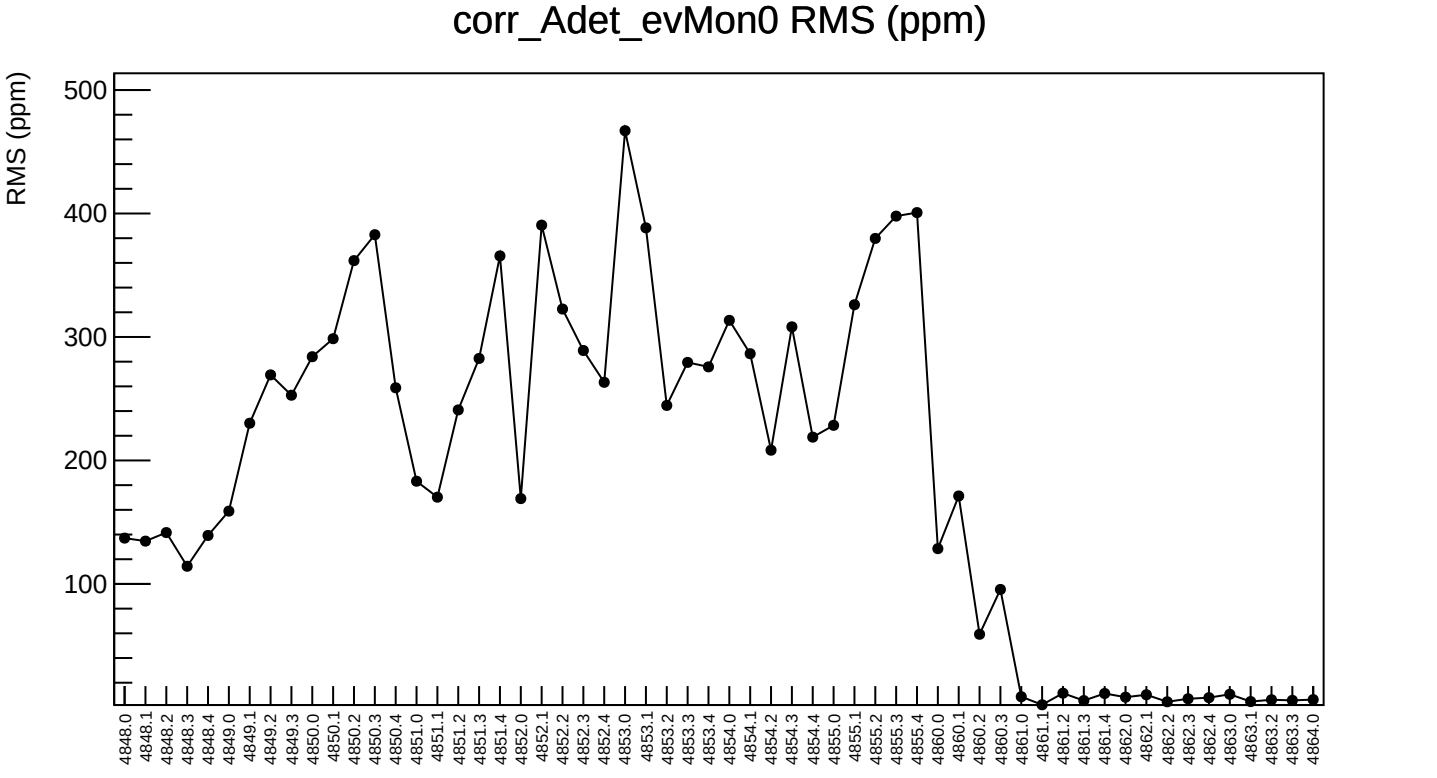
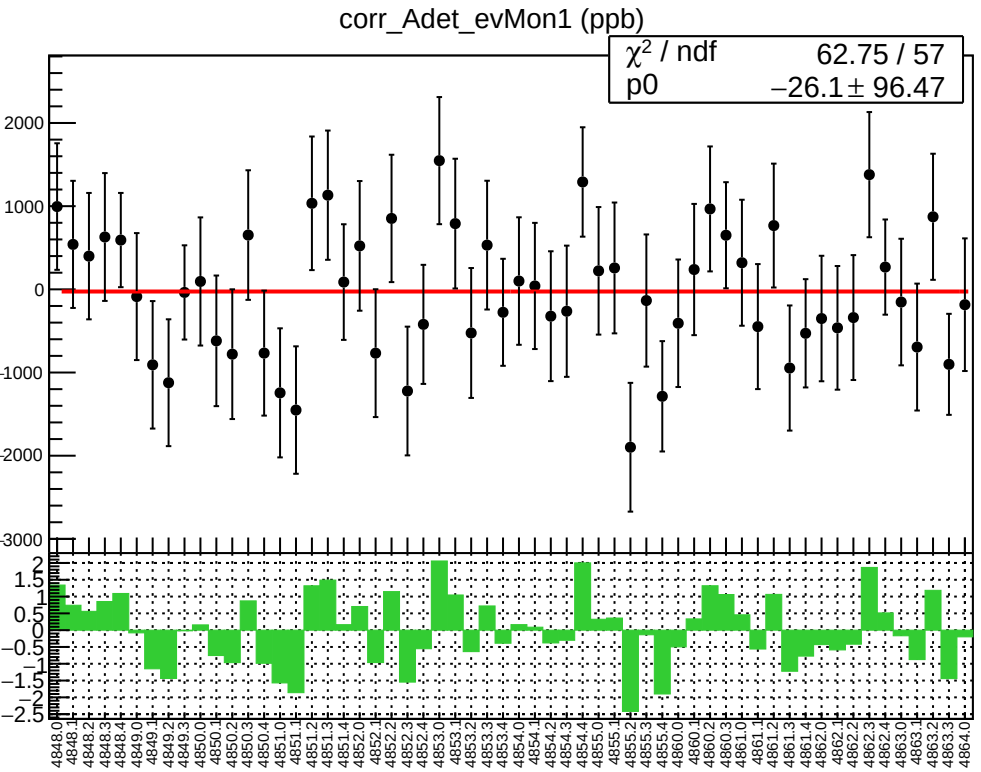

Adet (ppb)
χ² / ndf 48.56 / 57
p0 −713.2 ± 124.8
1D pull distribution
Mean 0.006658 ± 0.1201
Std Dev 0.915 ± 0.08495
Underflow 0
Overflow 0
χ² / ndf 4.079 / 6
Constant 12.01 ± 2.22
Mean −2.394e−17 ± 1.541e−05
Sigma 0.9992 ± 0.1482

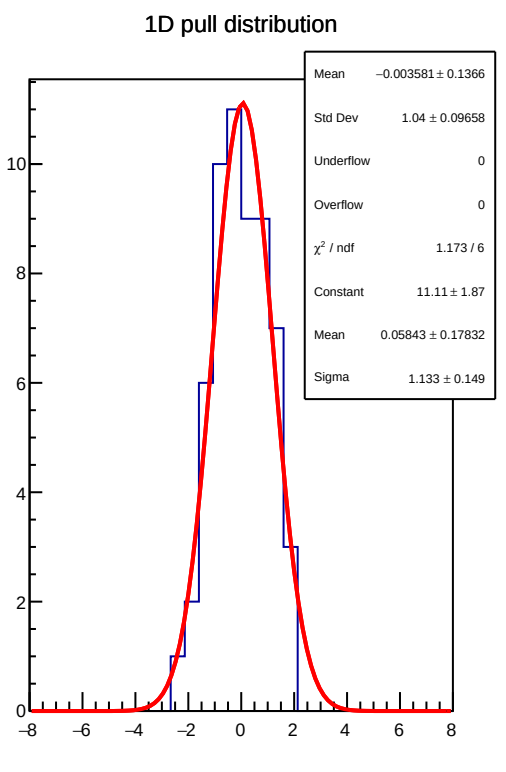

Adet RMS (ppm)
RMS (ppm)
99
98
97
96
95
94
93
92
91
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

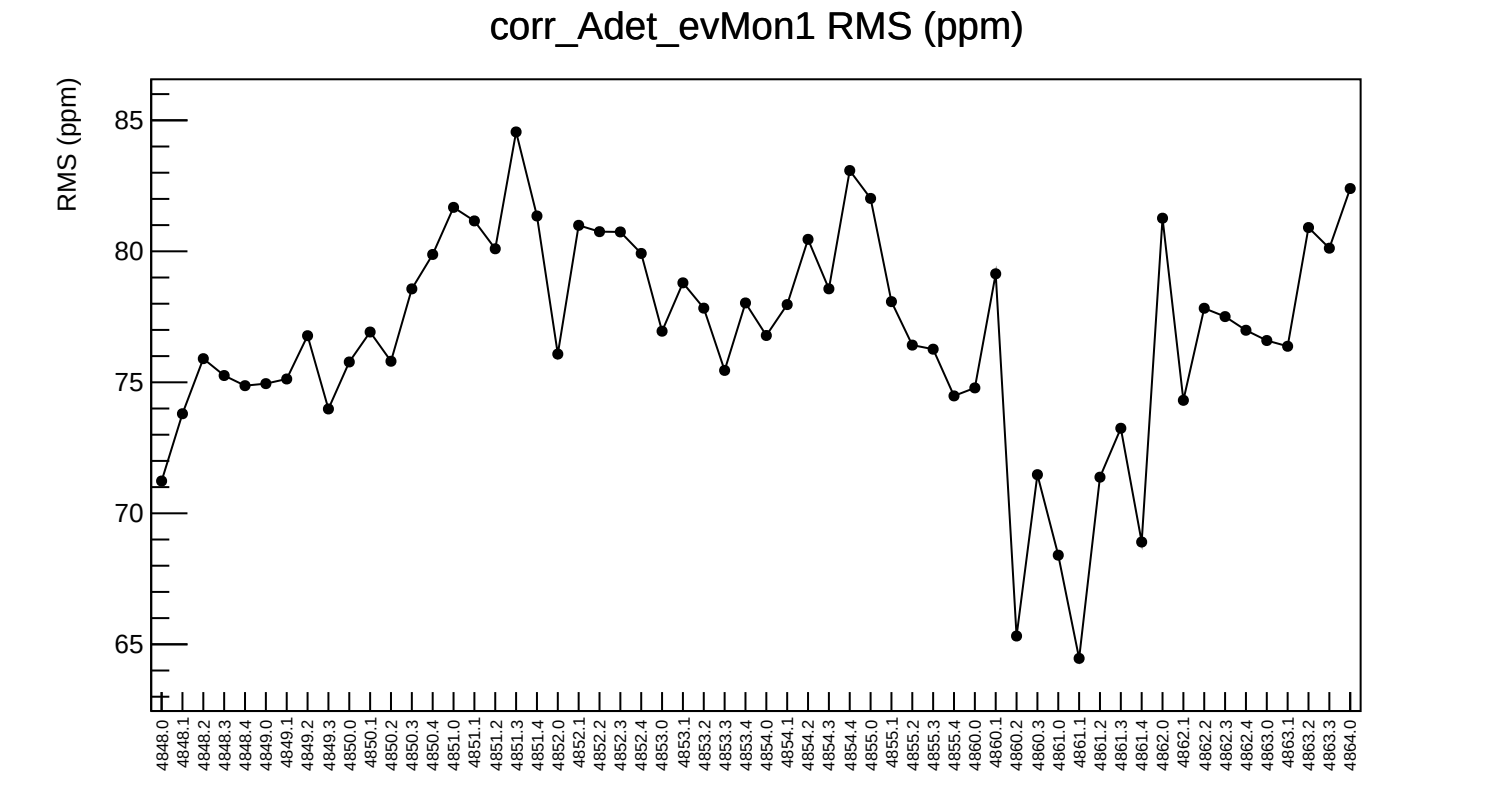

corr_Adet_evMon0 (ppb)
χ² / ndf 184.1 / 57
p0 −264.7 ± 151.5

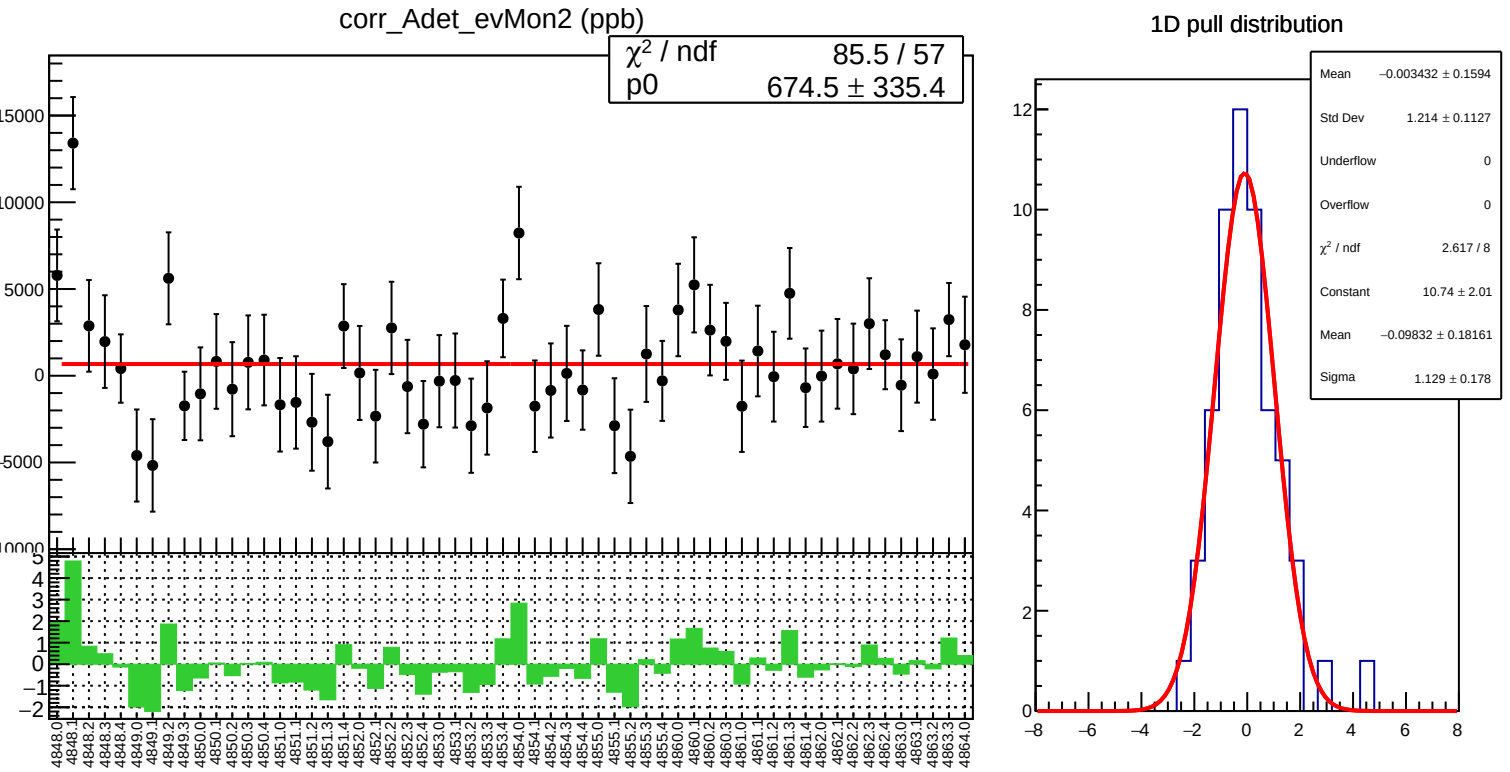

1D pull distribution
Mean 0.006844 ± 0.2339
Std Dev 1.781 ± 0.1654
Underflow 0
Overflow 0
χ² / ndf 17.39 / 11
Constant 8.284 ± 2.248
Mean 0.3726 ± 0.1943
Sigma 1.048 ± 0.243

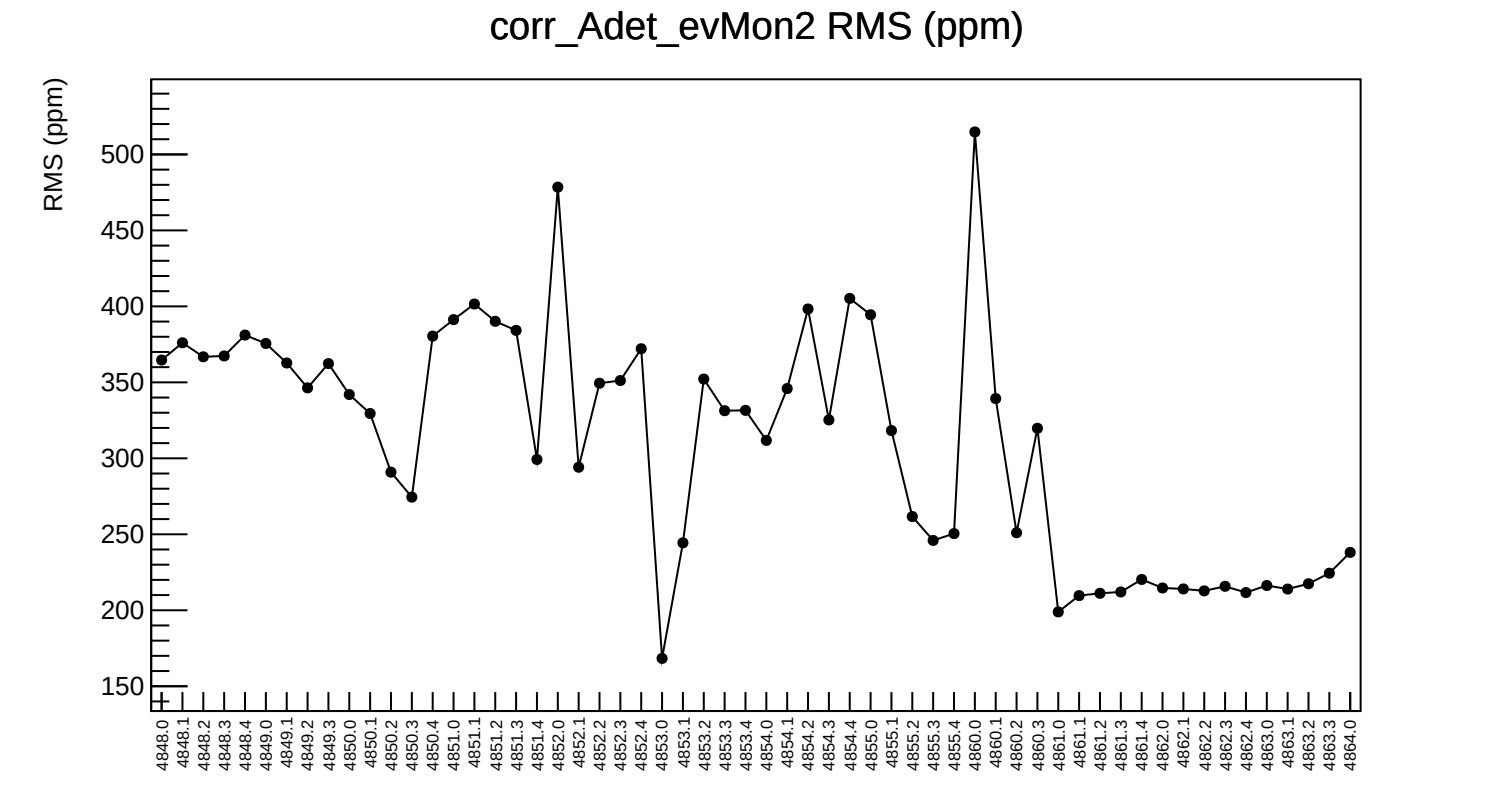

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
500
400
300
200
100
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

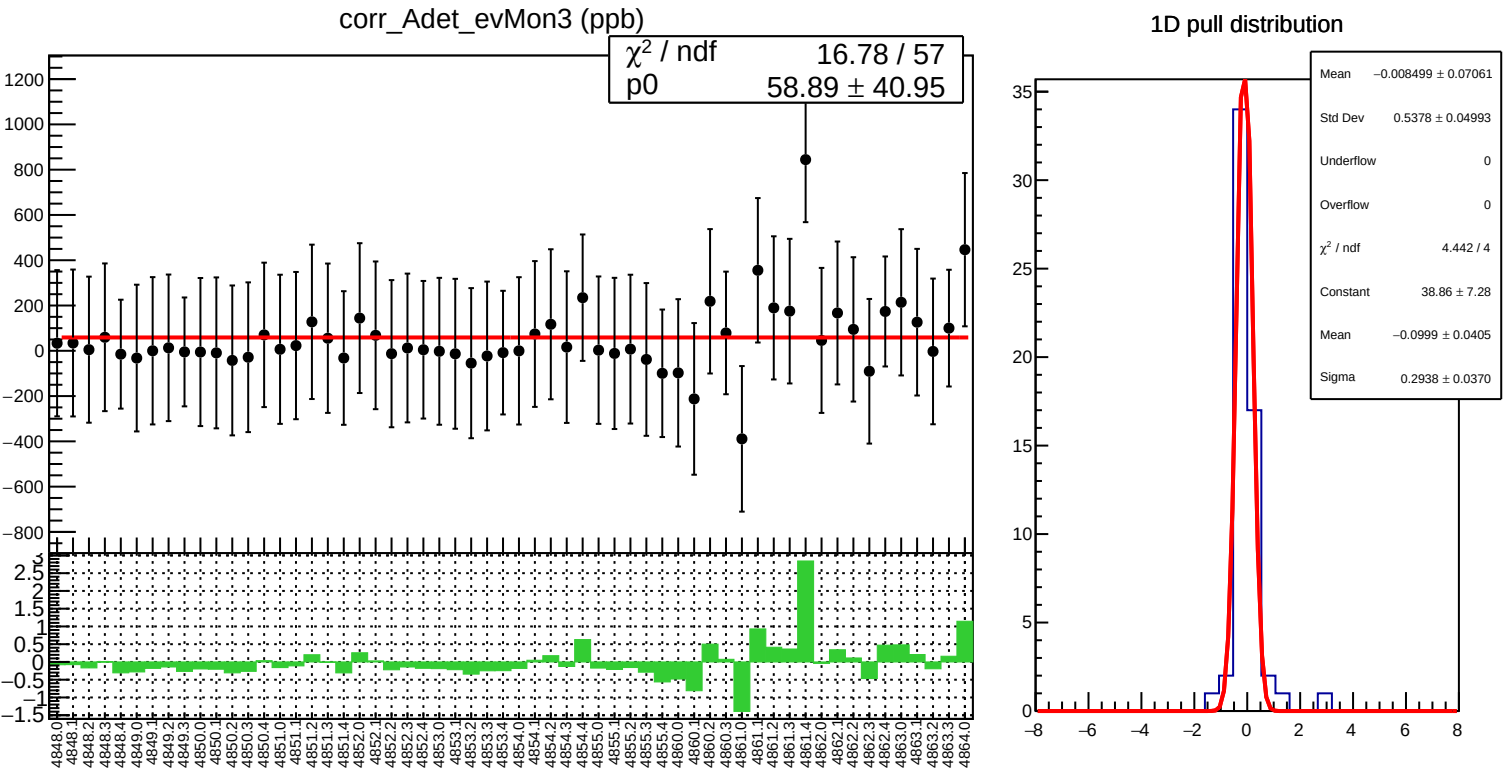

corr_Adet_evMon1 (ppb)
χ² / ndf 62.75 / 57
p0 −26.1 ± 96.47
2000
1000
0
−1000
−2000
−3000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

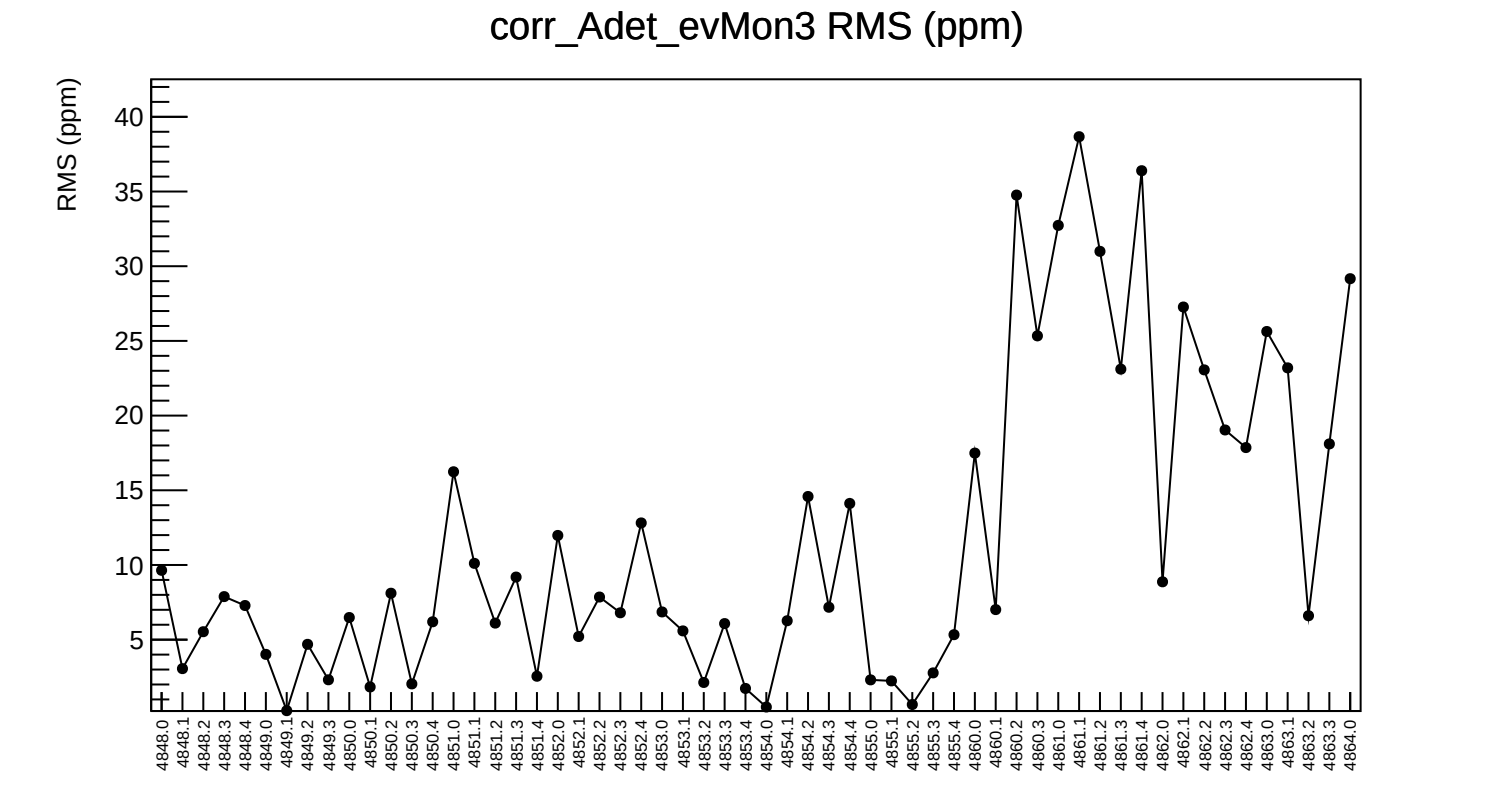

1D pull distribution
Mean −0.003581 ± 0.1366
Std Dev 1.04 ± 0.09658
Underflow 0
Overflow 0
χ² / ndf 1.173 / 6
Constant 11.11 ± 1.87
Mean 0.05843 ± 0.17832
Sigma 1.133 ± 0.149
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

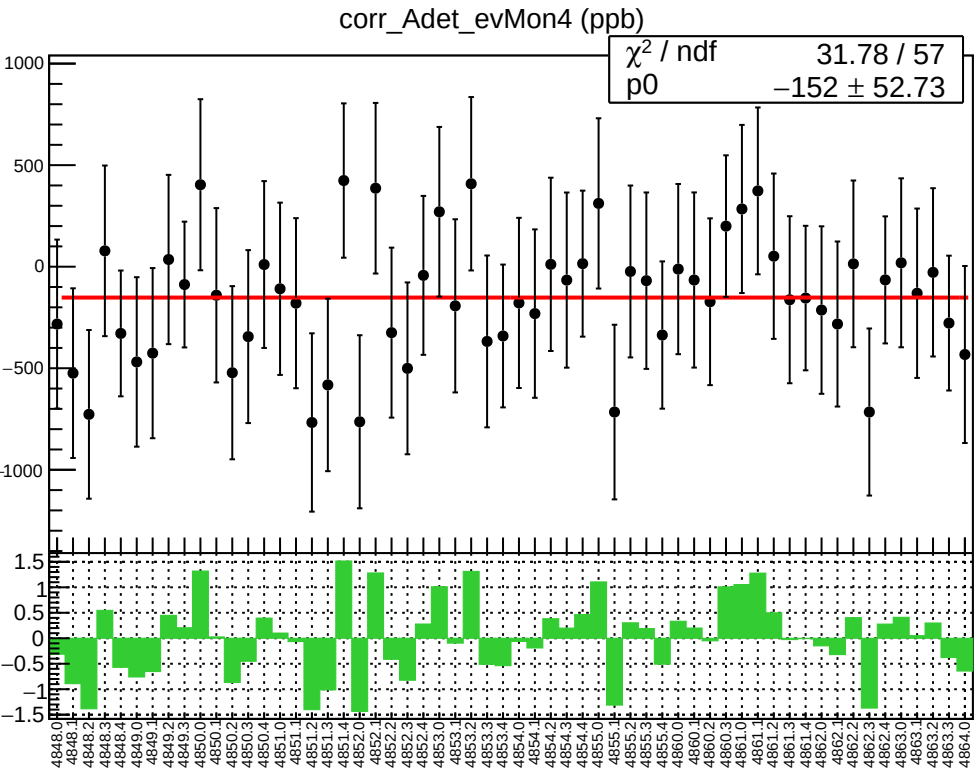

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
85
80
75
70
65
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

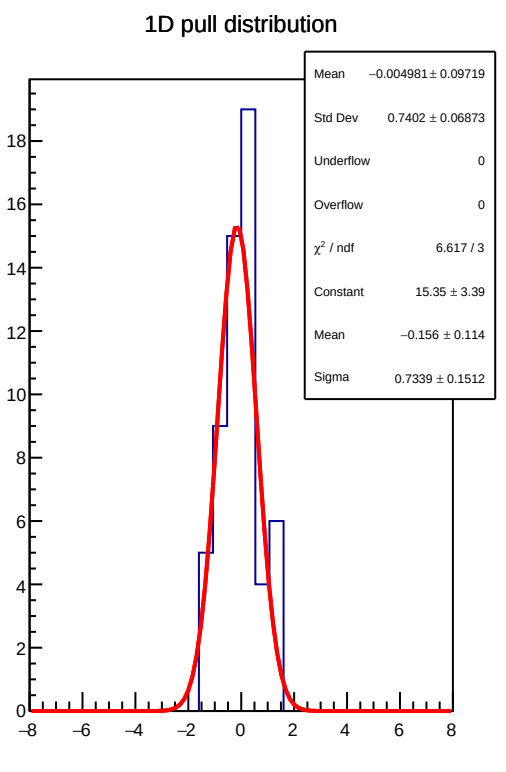

corr_Adet_evMon2 (ppb)
χ² / ndf 85.5 / 57
p0 674.5 ± 335.4
1D pull distribution
Mean −0.003432 ± 0.1594
Std Dev 1.214 ± 0.1127
Underflow 0
Overflow 0
χ² / ndf 2.617 / 8
Constant 10.74 ± 2.01
Mean −0.09832 ± 0.18161
Sigma 1.129 ± 0.178

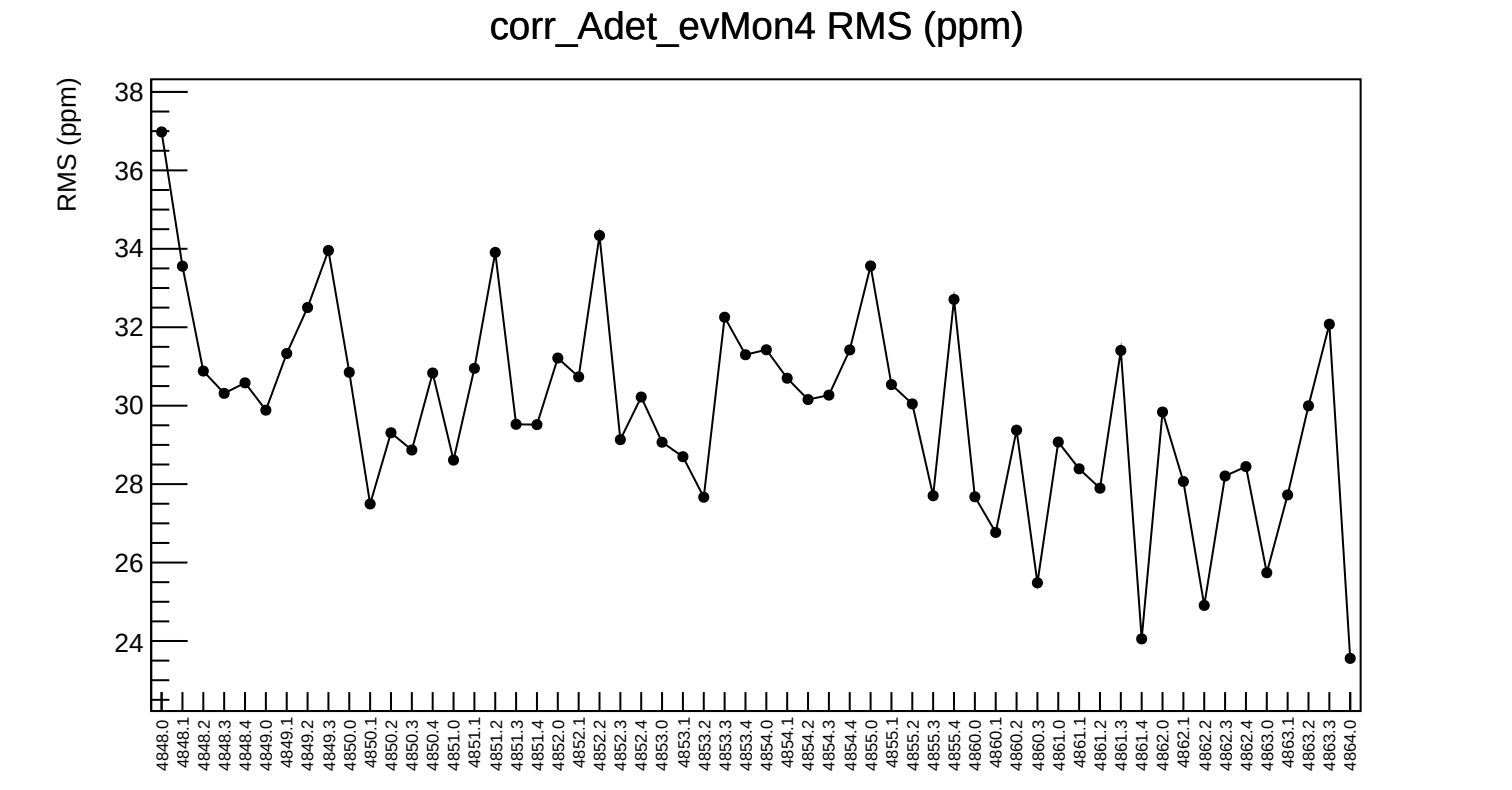

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
500
450
400
350
300
250
200
150
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

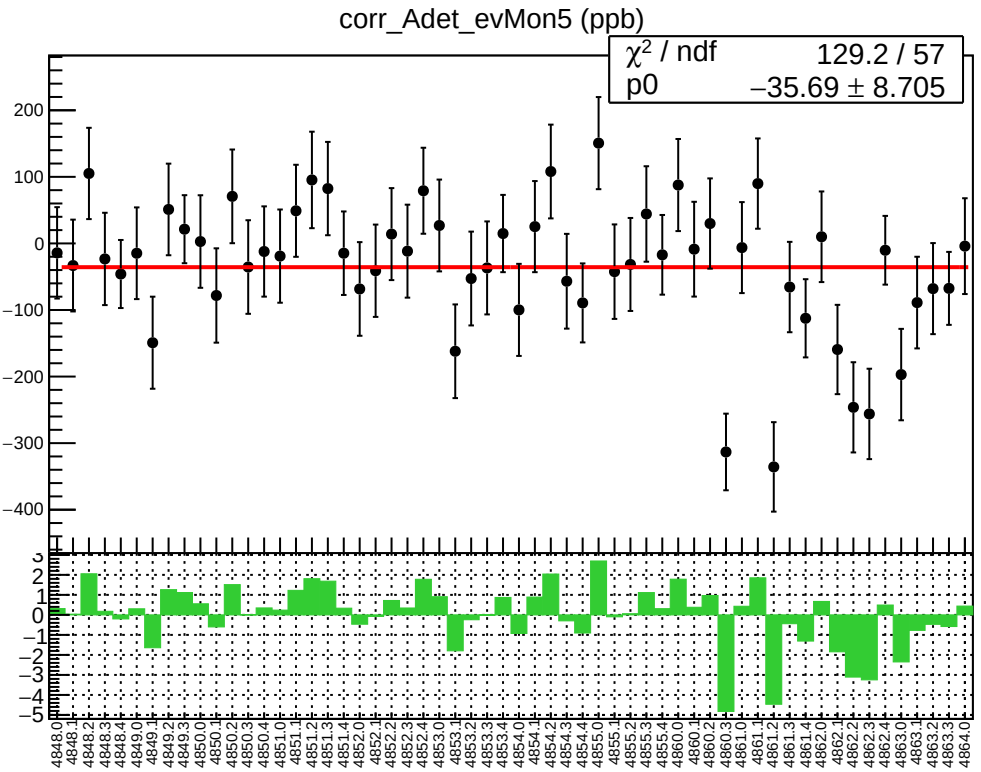

corr_Adet_evMon3 (ppb)
χ² / ndf 16.78 / 57
p0 58.89 ± 40.95
1200
1000
800
600
400
200
0
−200
−400
−600
−800
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0
1D pull distribution
Mean −0.008499 ± 0.07061
Std Dev 0.5378 ± 0.04993
Underflow 0
Overflow 0
χ² / ndf 4.442 / 4
Constant 38.86 ± 7.28
Mean −0.0999 ± 0.0405
Sigma 0.2938 ± 0.0370
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

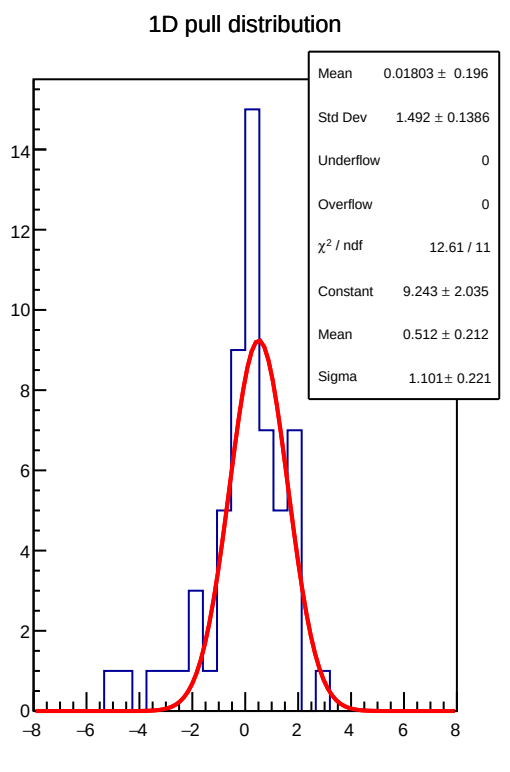

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
40
35
30
25
20
15
10
5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

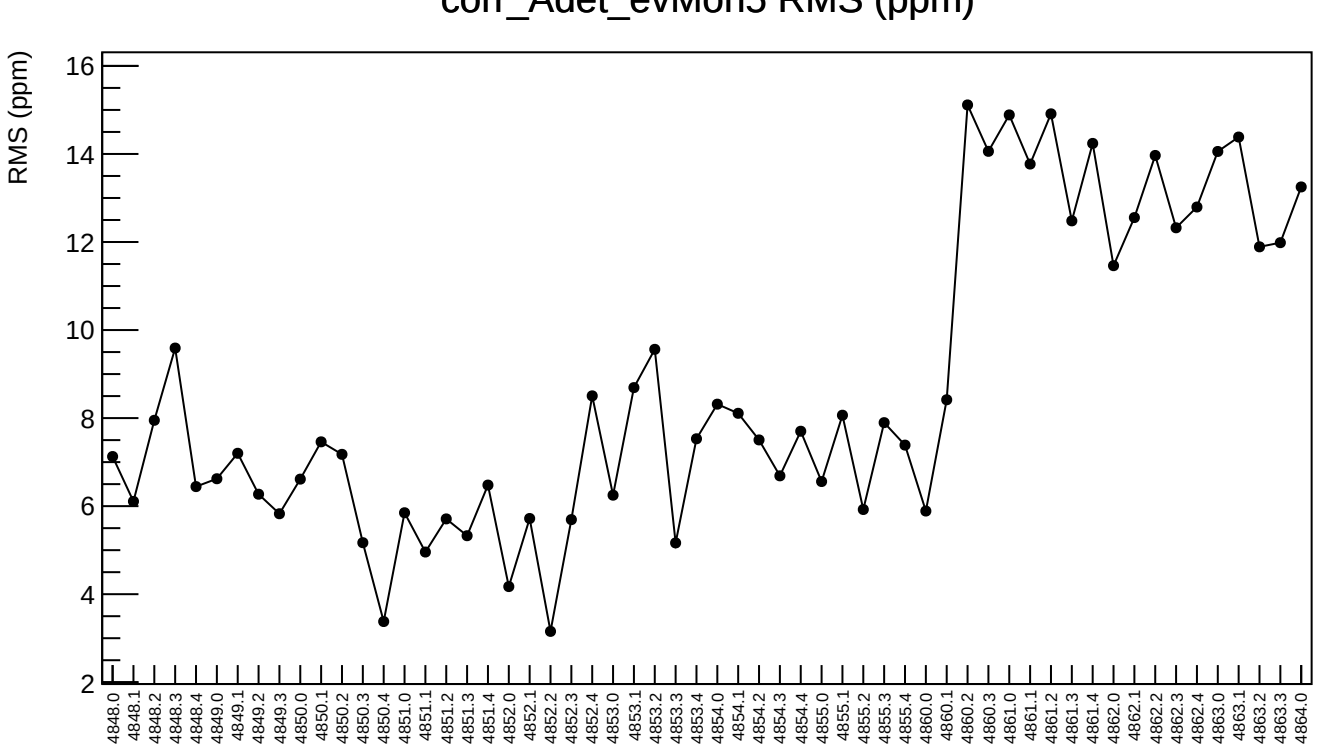

corr_Adet_evMon4 (ppb)
χ² / ndf 31.78 / 57
p0 −152 ± 52.73
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

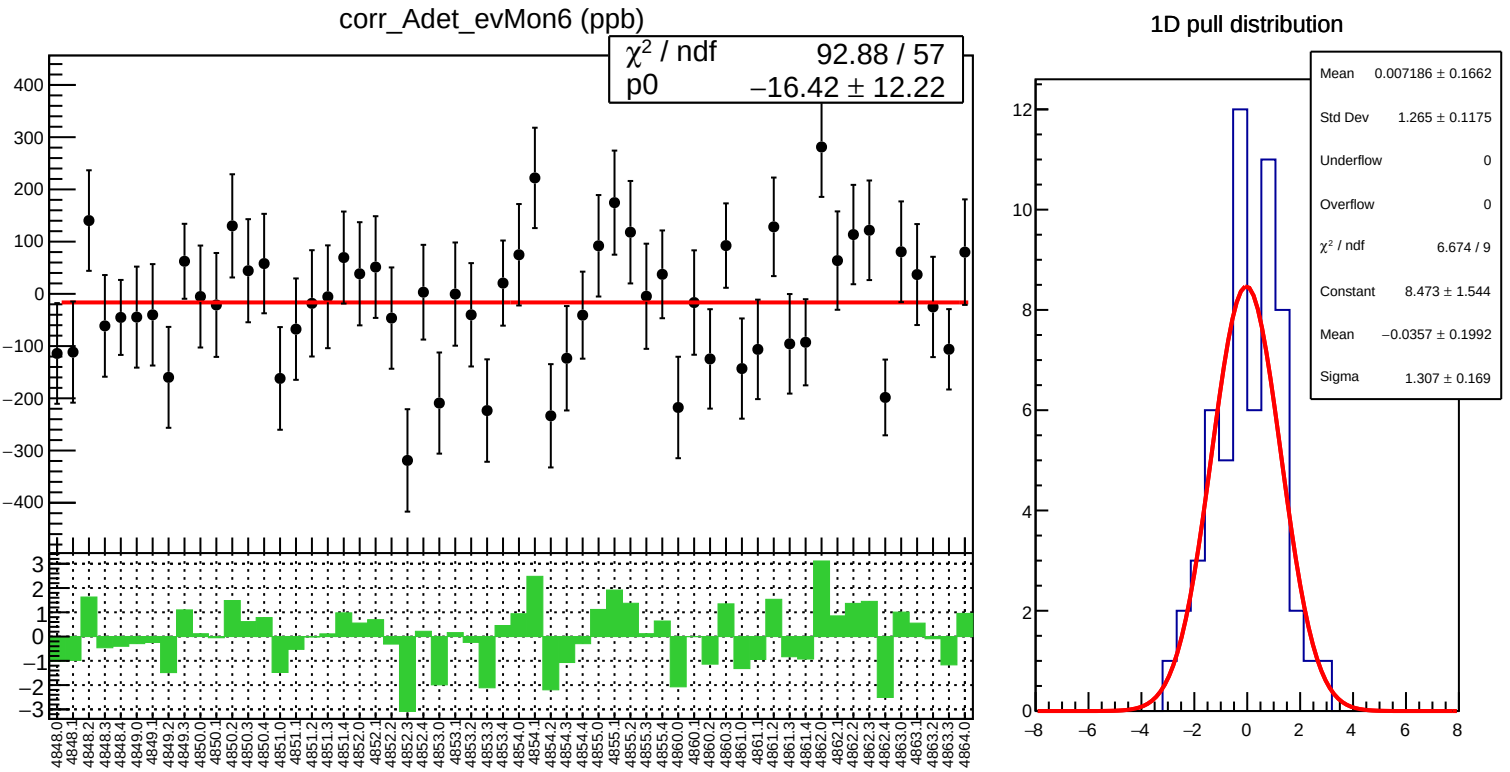

1D pull distribution
Mean −0.004981 ± 0.09719
Std Dev 0.7402 ± 0.06873
Underflow 0
Overflow 0
χ² / ndf 6.617 / 3
Constant 15.35 ± 3.39
Mean −0.156 ± 0.114
Sigma 0.7339 ± 0.1512
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

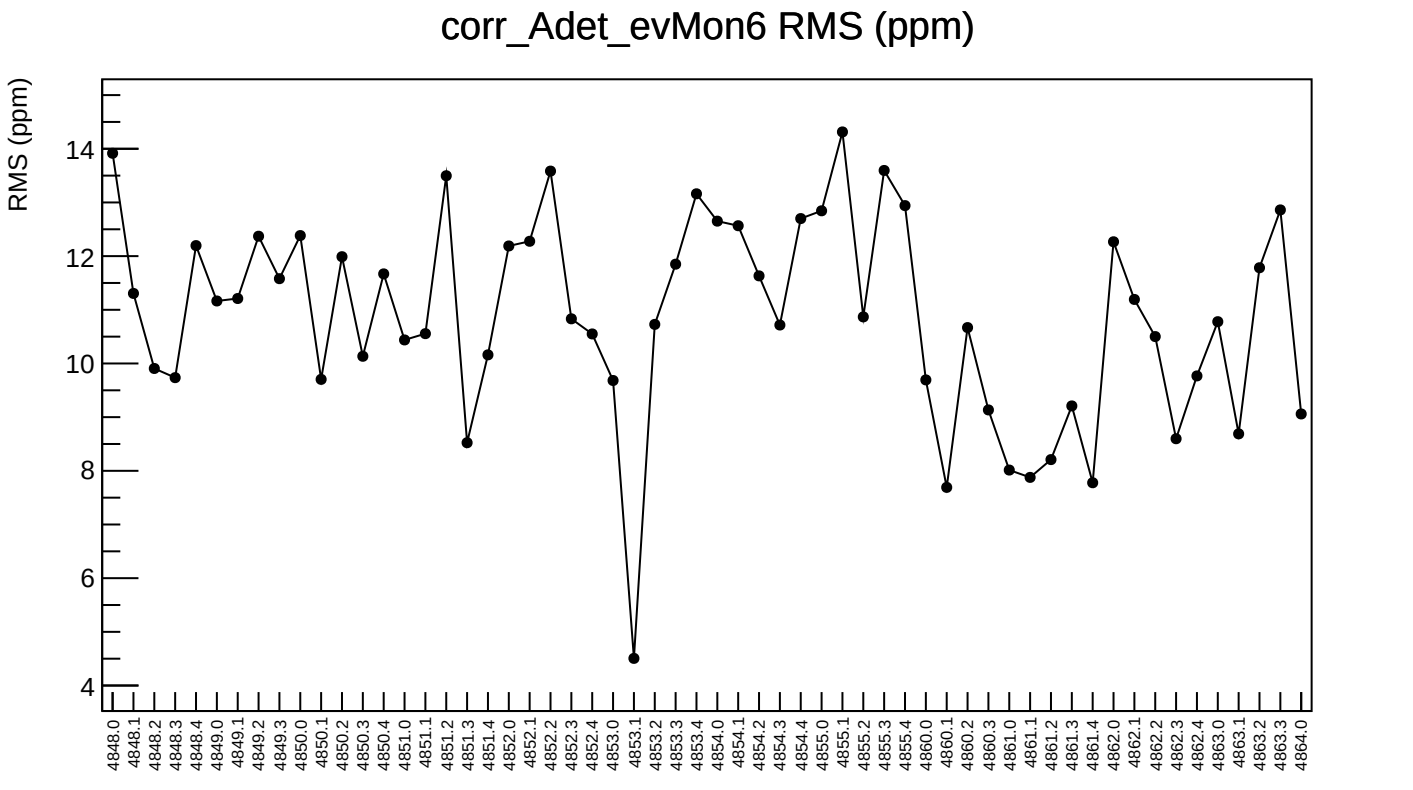

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
38
36
34
32
30
28
26
24
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

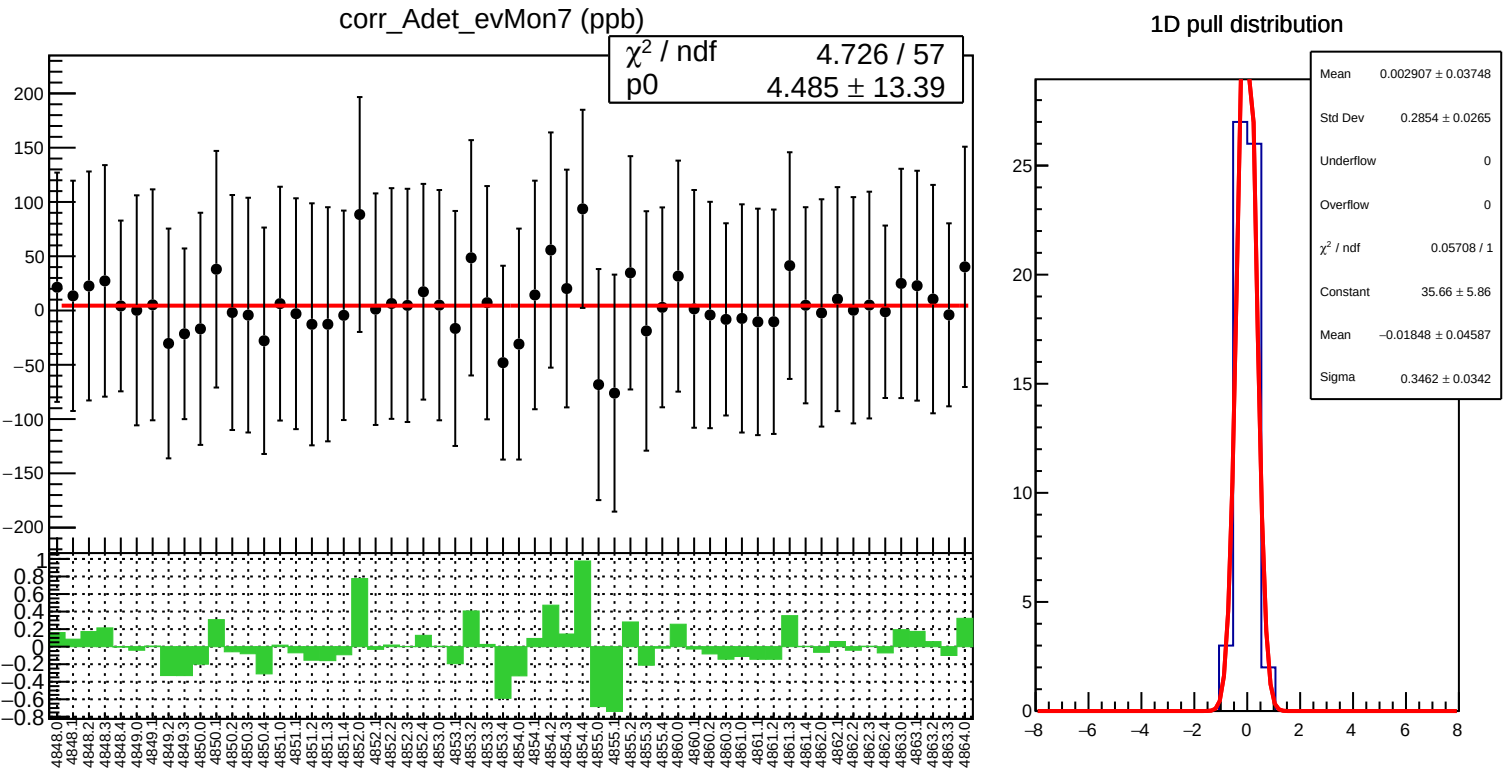

corr_Adet_evMon5 (ppb)
χ² / ndf 129.2 / 57
p0 −35.69 ± 8.705

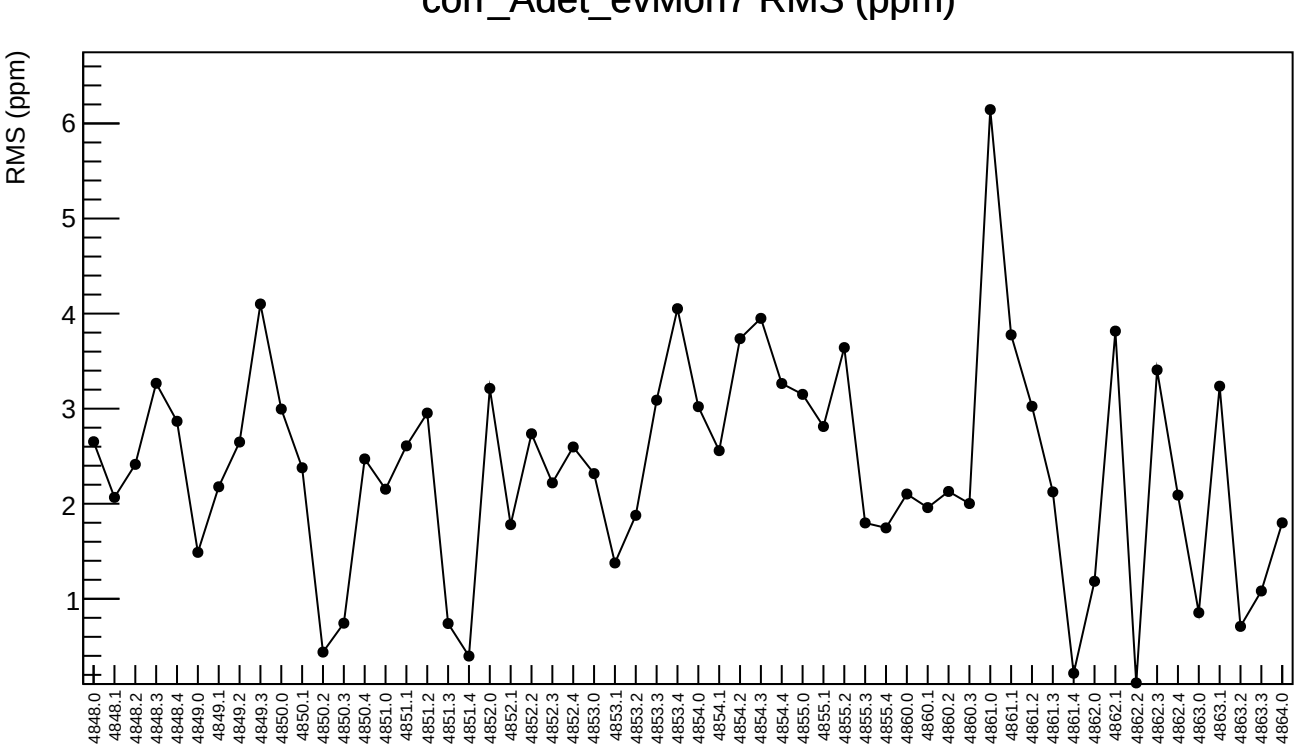

1D pull distribution
Mean 0.01803 ± 0.196
Std Dev 1.492 ± 0.1386
Underflow 0
Overflow 0
χ² / ndf 12.61 / 11
Constant 9.243 ± 2.035
Mean 0.512 ± 0.212
Sigma 1.101± 0.221

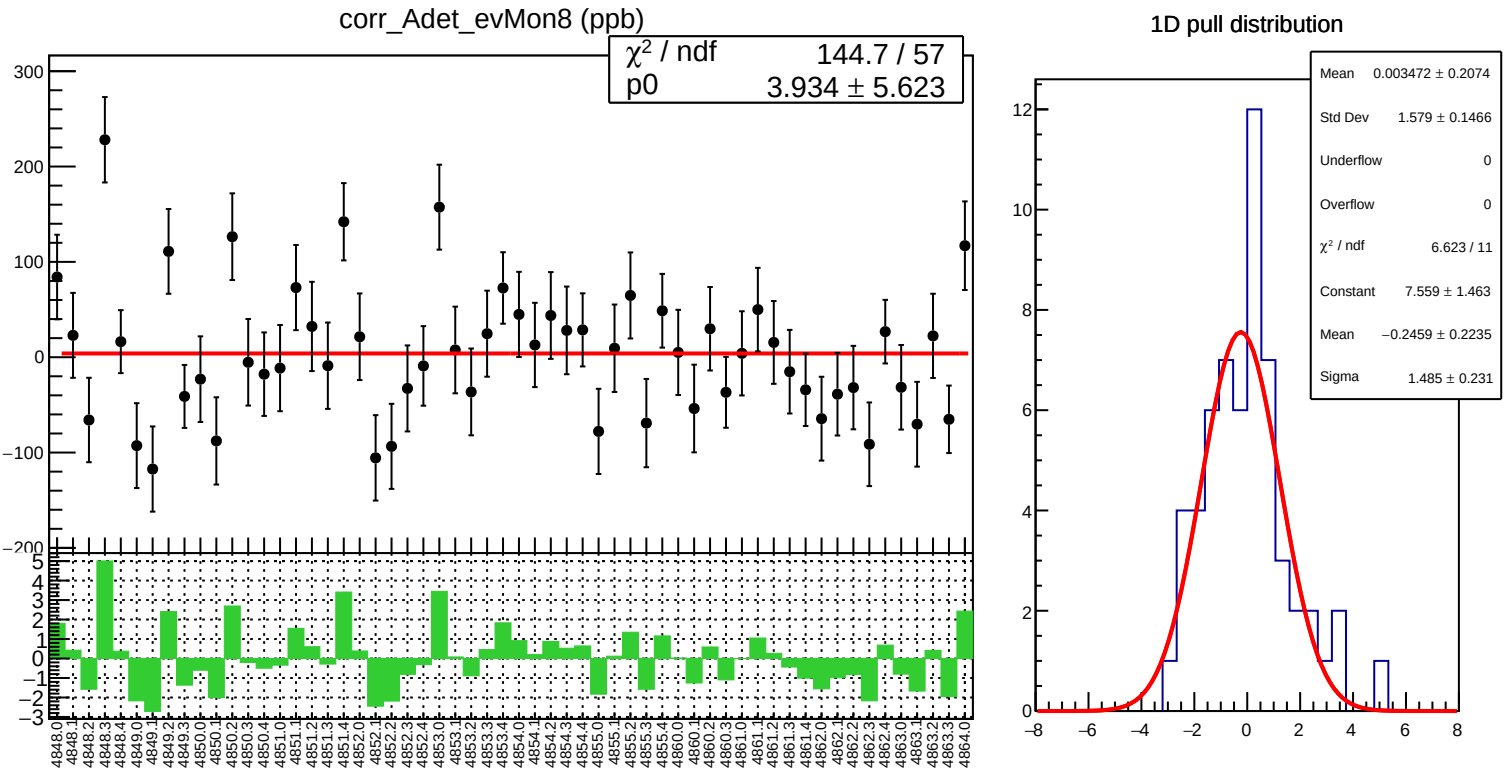

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

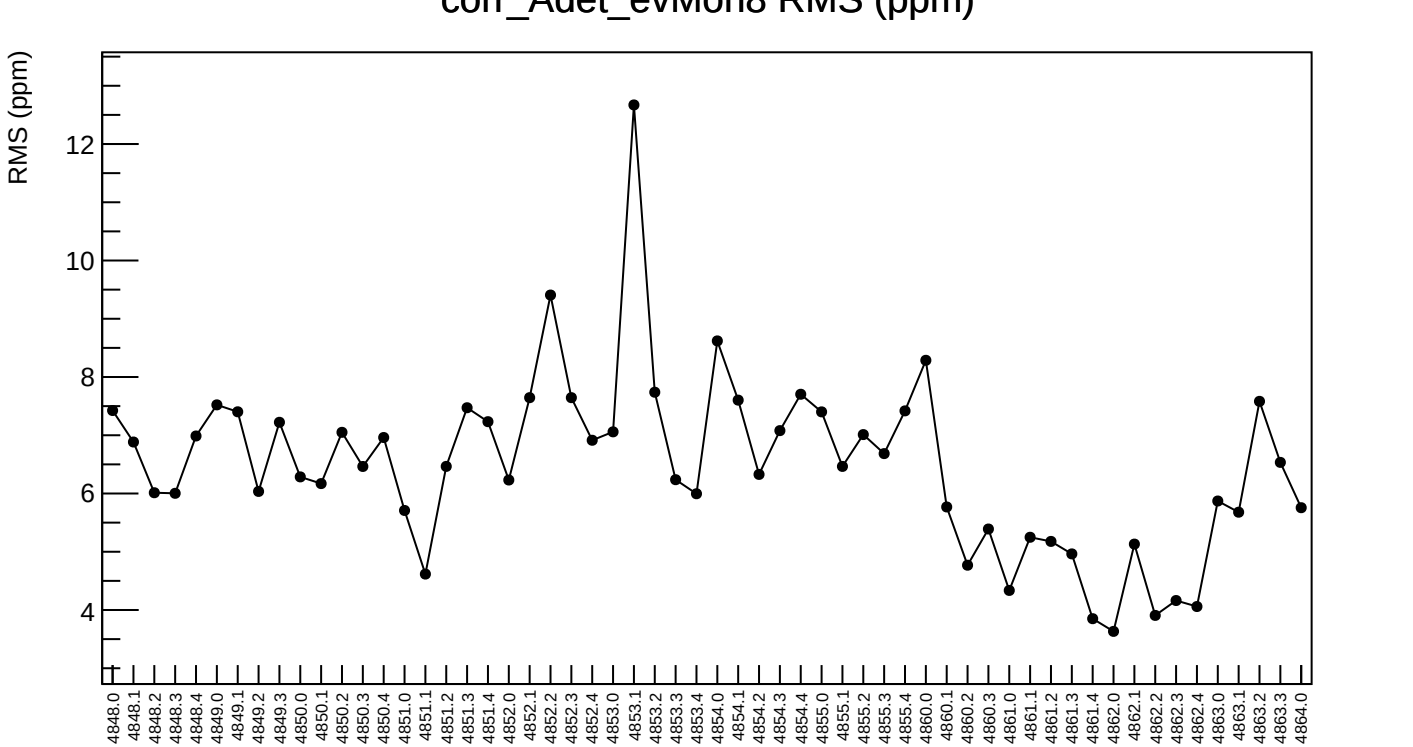

corr_Adet_evMon6 (ppb)
χ² / ndf 92.88 / 57
p0 −16.42 ± 12.22
1D pull distribution
Mean 0.007186 ± 0.1662
Std Dev 1.265 ± 0.1175
Underflow 0
Overflow 0
χ² / ndf 6.674 / 9
Constant 8.473 ± 1.544
Mean −0.0357 ± 0.1992
Sigma 1.307 ± 0.169

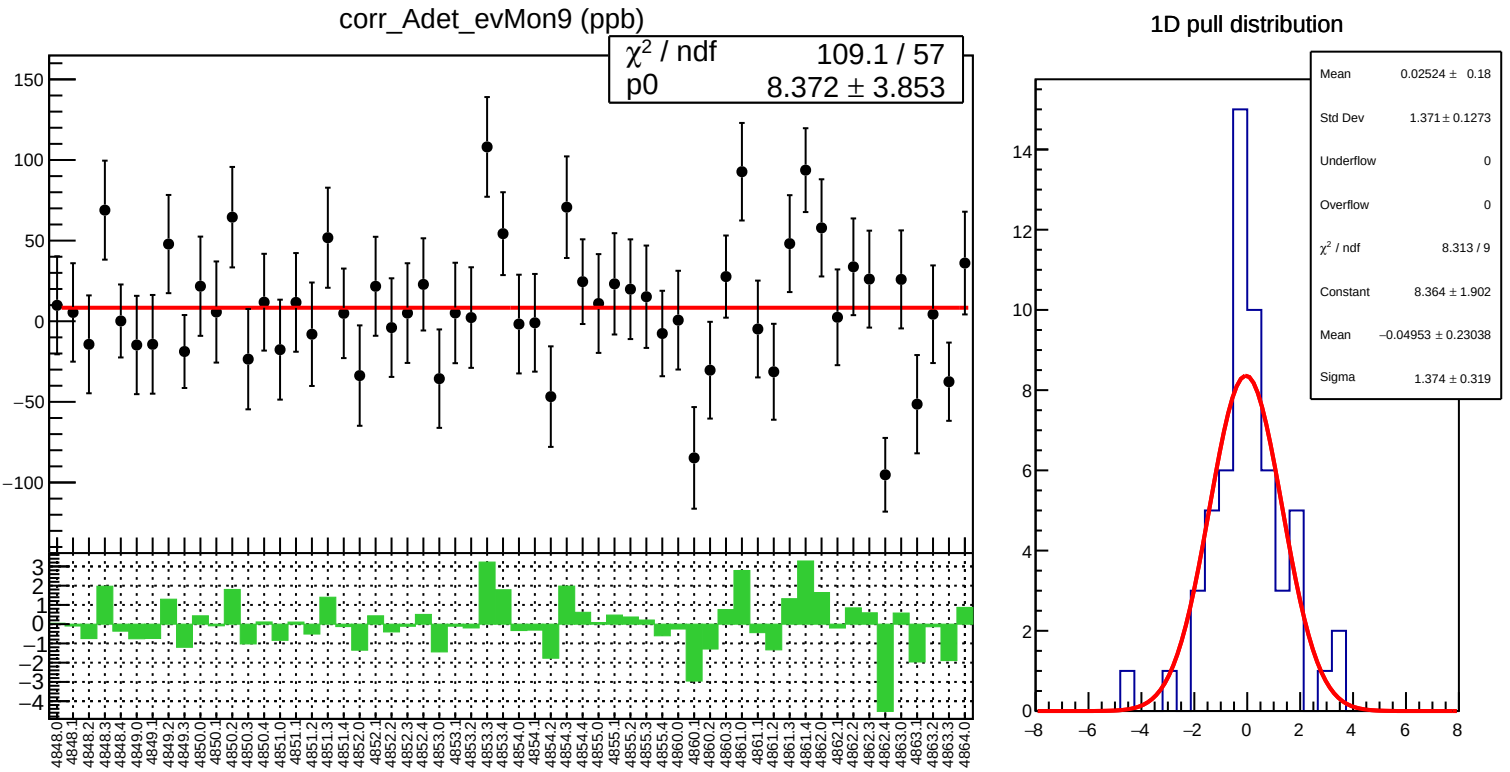

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

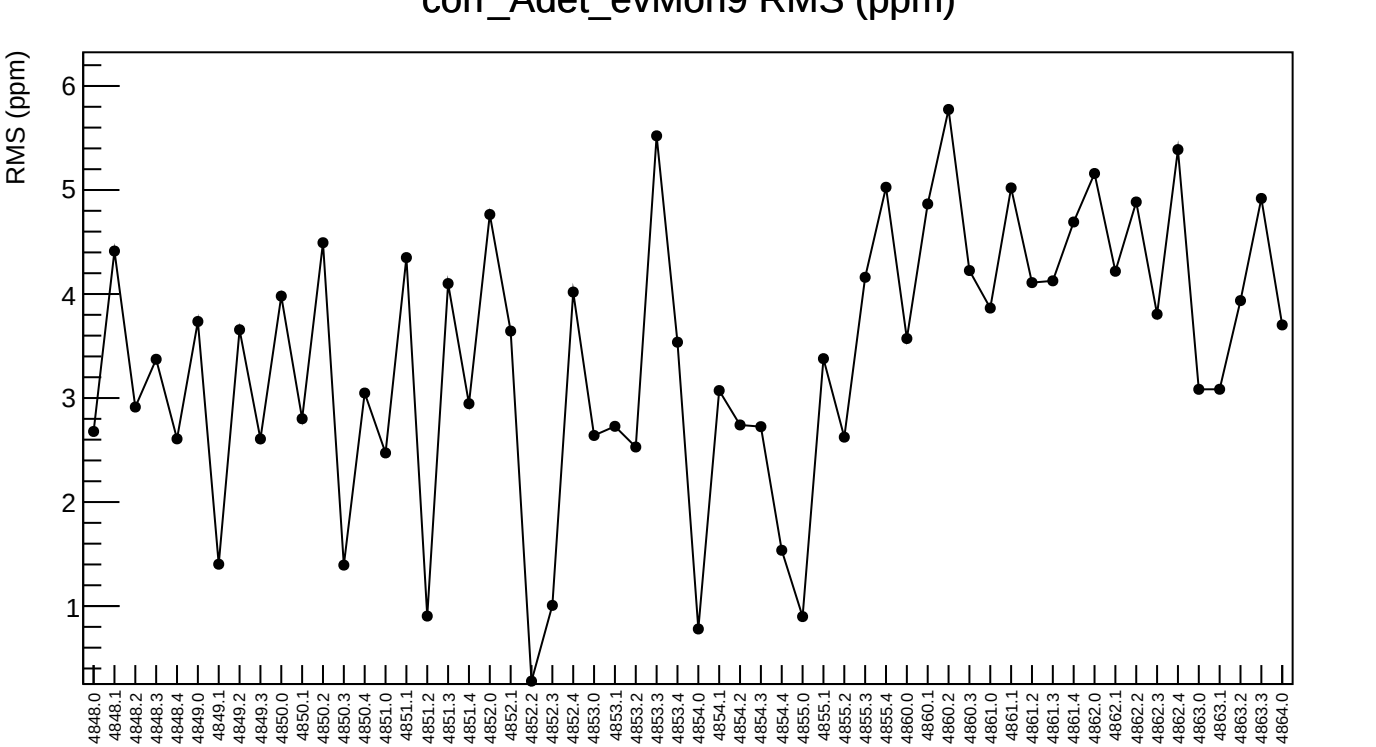

corr_Adet_evMon7 (ppb)
χ² / ndf 4.726 / 57
p0 4.485 ± 13.39
1D pull distribution
Mean 0.002907 ± 0.03748
Std Dev 0.2854 ± 0.0265
Underflow 0
Overflow 0
χ² / ndf 0.05708 / 1
Constant 35.66 ± 5.86
Mean −0.01848 ± 0.04587
Sigma 0.3462 ± 0.0342

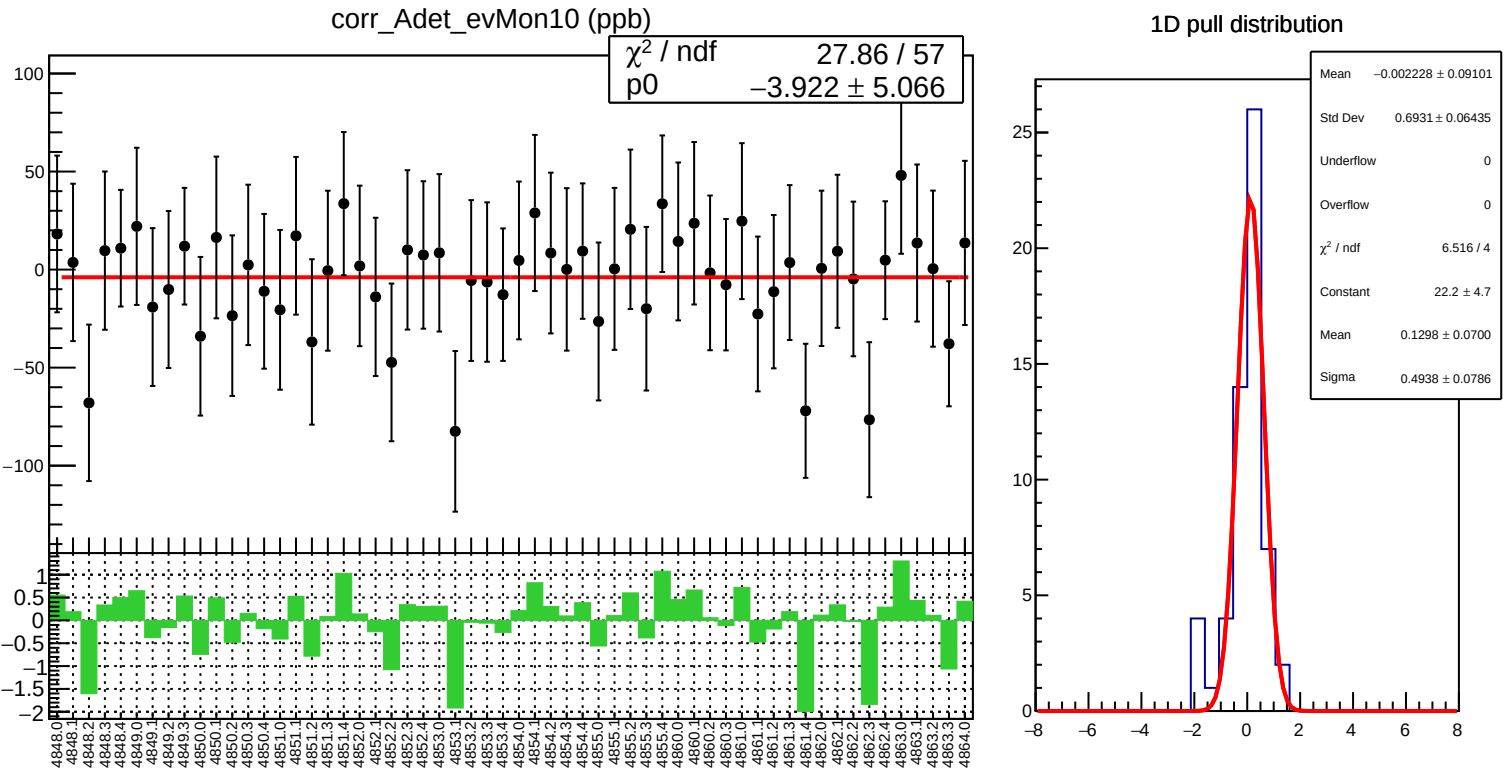

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

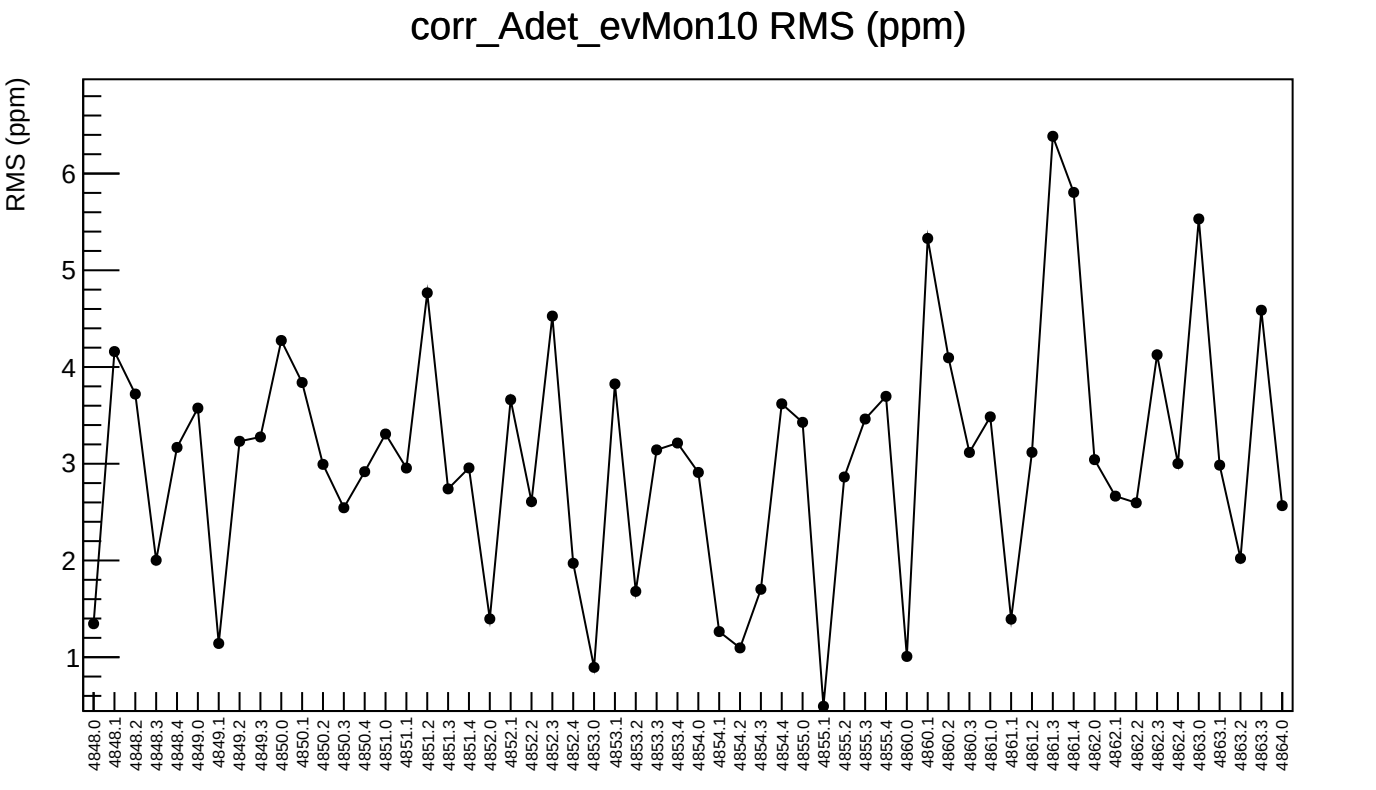

corr_Adet_evMon8 (ppb)
χ² / ndf 144.7 / 57
p0 3.934 ± 5.623
1D pull distribution
Mean 0.003472 ± 0.2074
Std Dev 1.579 ± 0.1466
Underflow 0
Overflow 0
χ² / ndf 6.623 / 11
Constant 7.559 ± 1.463
Mean −0.2459 ± 0.2235
Sigma 1.485 ± 0.231

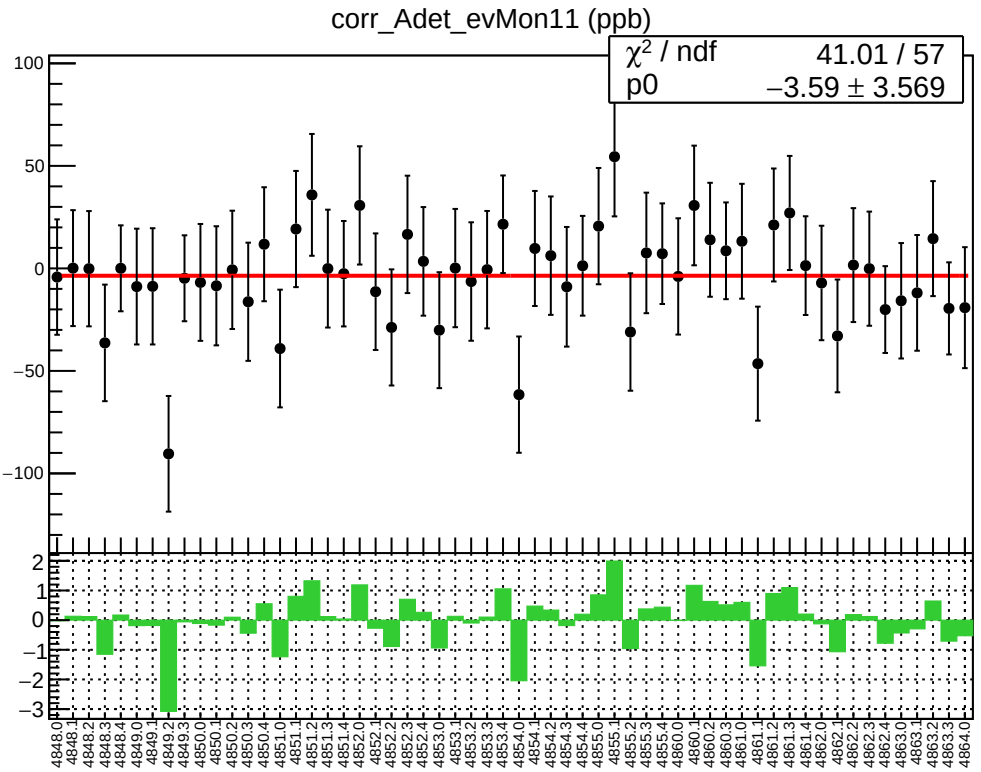

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
12
10
8
6
4
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

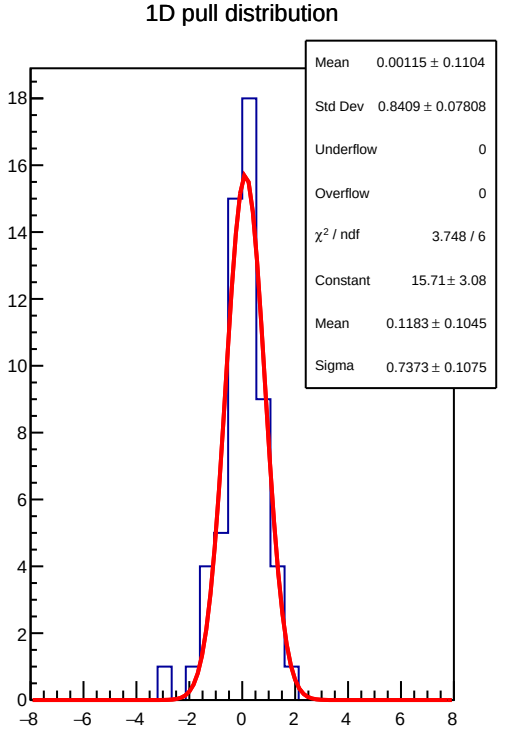

corr_Adet_evMon9 (ppb)
χ² / ndf 109.1 / 57
p0 8.372 ± 3.853
1D pull distribution
Mean 0.02524 ± 0.18
Std Dev 1.371 ± 0.1273
Underflow 0
Overflow 0
χ² / ndf 8.313 / 9
Constant 8.364 ± 1.902
Mean −0.04953 ± 0.23038
Sigma 1.374 ± 0.319

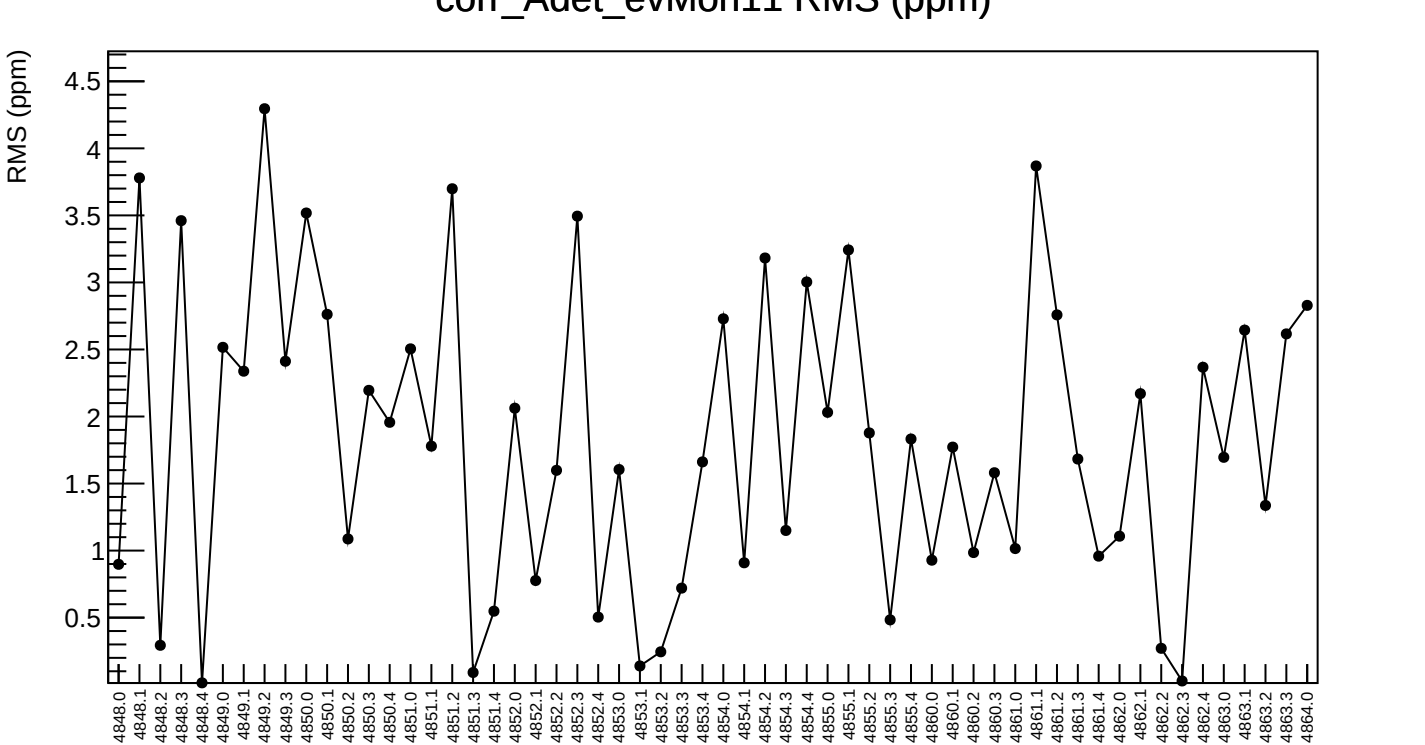

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

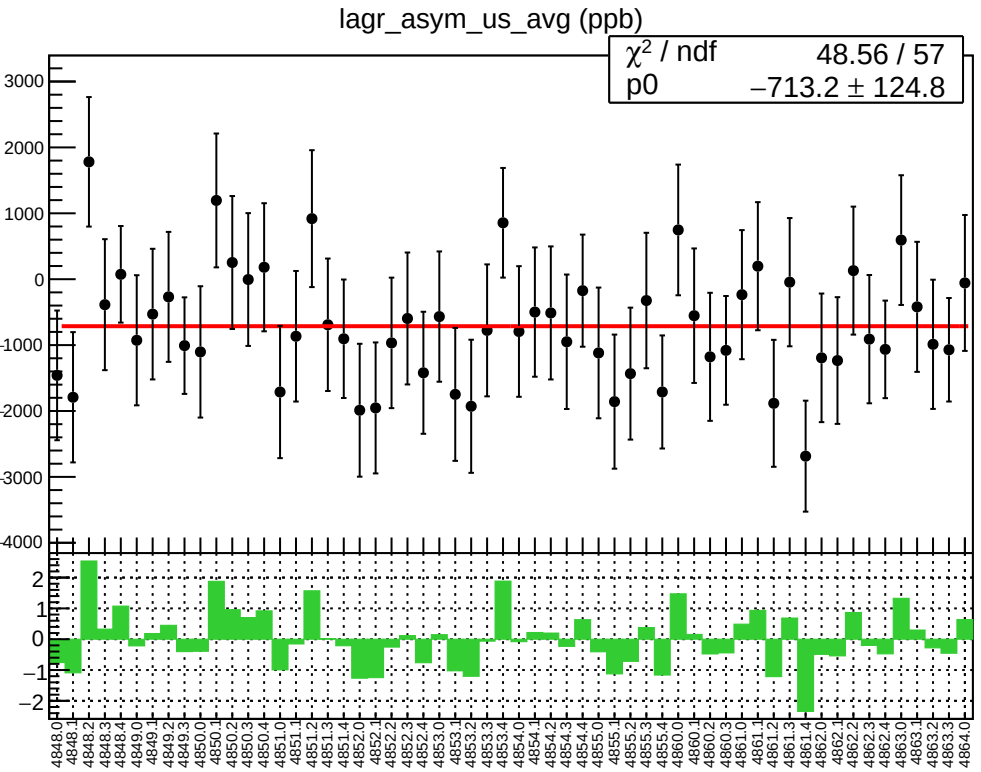

corr_Adet_evMon10 (ppb)
χ² / ndf 27.86 / 57
p0 −3.922 ± 5.066
1D pull distribution
Mean −0.002228 ± 0.09101
Std Dev 0.6931 ± 0.06435
Underflow 0
Overflow 0
χ² / ndf 6.516 / 4
Constant 22.2 ± 4.7
Mean 0.1298 ± 0.0700
Sigma 0.4938 ± 0.0786

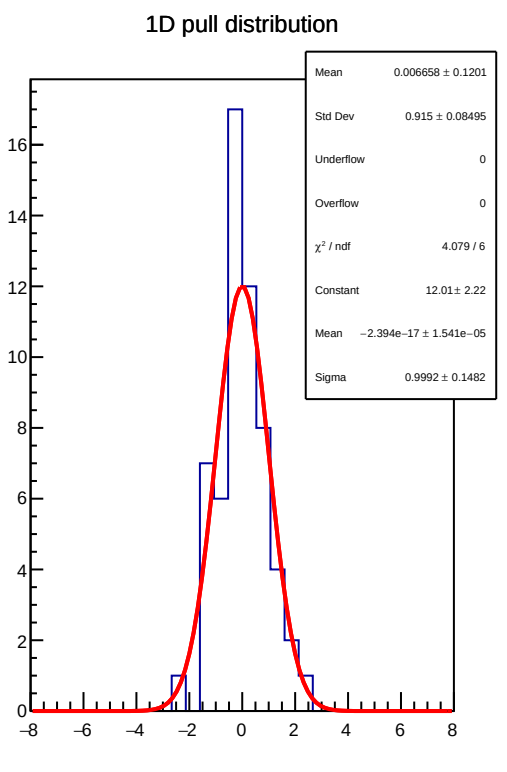

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

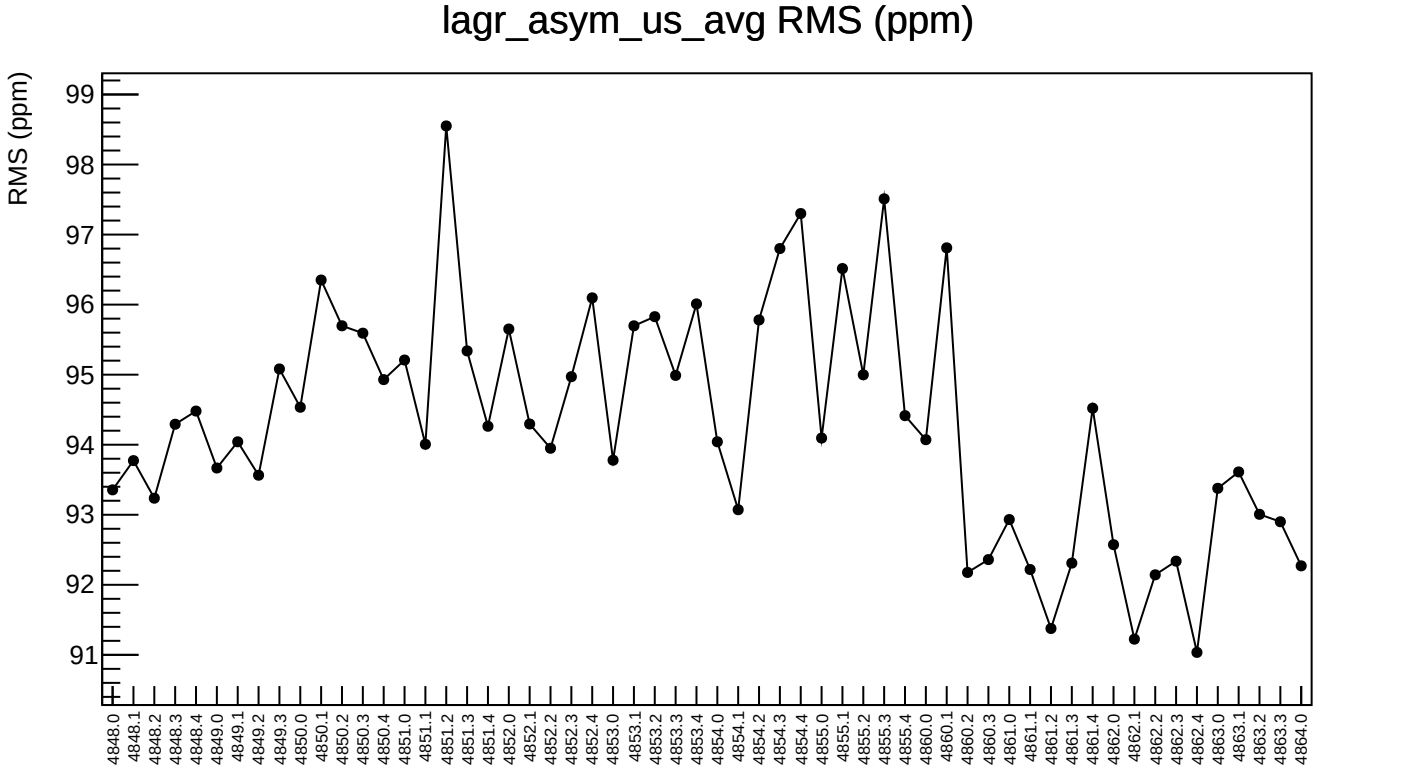

corr_Adet_evMon11 (ppb)
χ² / ndf 41.01 / 57
p0 −3.59 ± 3.569
100
50
0
−50
−100
2
1
0
−1
−2
−3
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

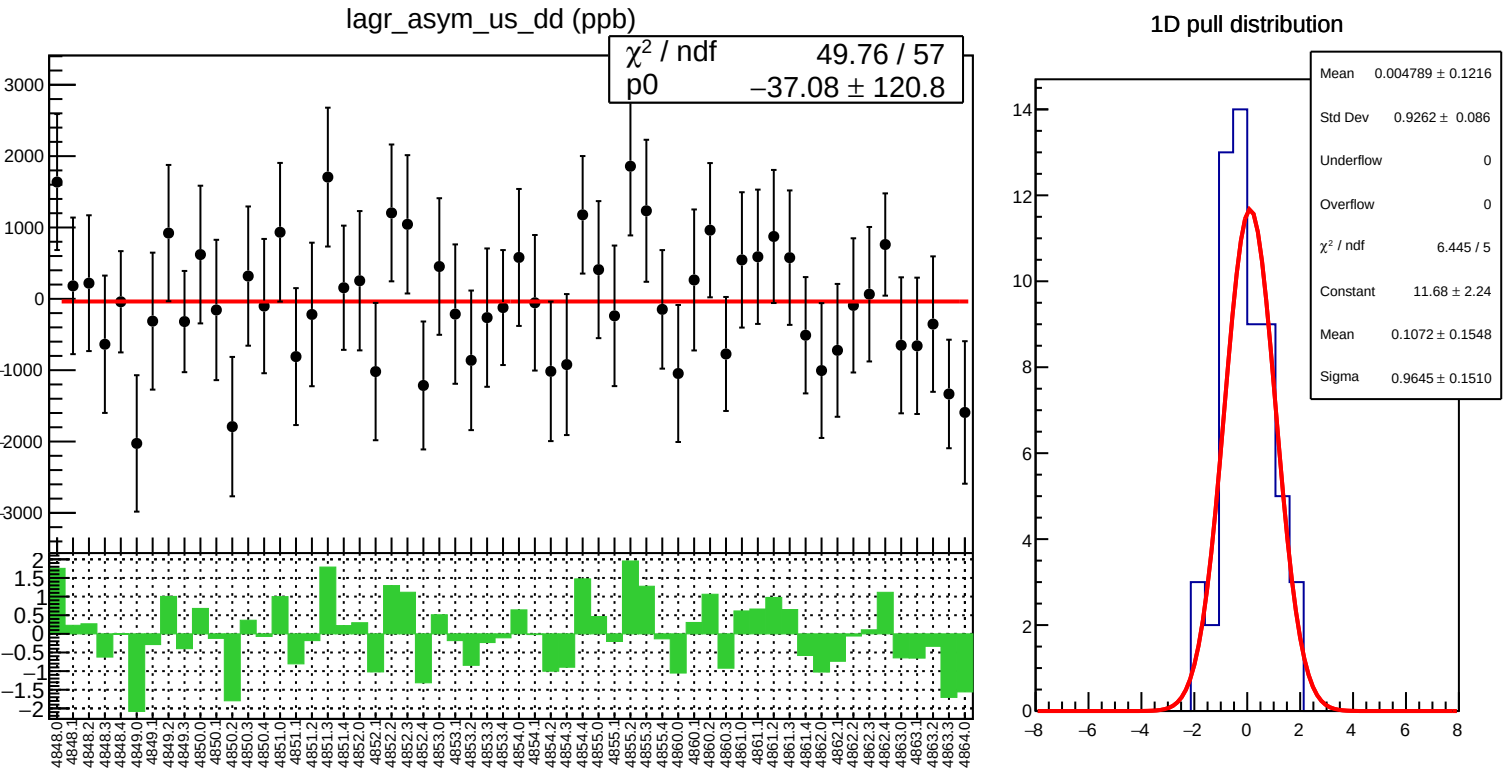

1D pull distribution
Mean 0.00115 ± 0.1104
Std Dev 0.8409 ± 0.07808
Underflow 0
Overflow 0
χ² / ndf 3.748 / 6
Constant 15.71 ± 3.08
Mean 0.1183 ± 0.1045
Sigma 0.7373 ± 0.1075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

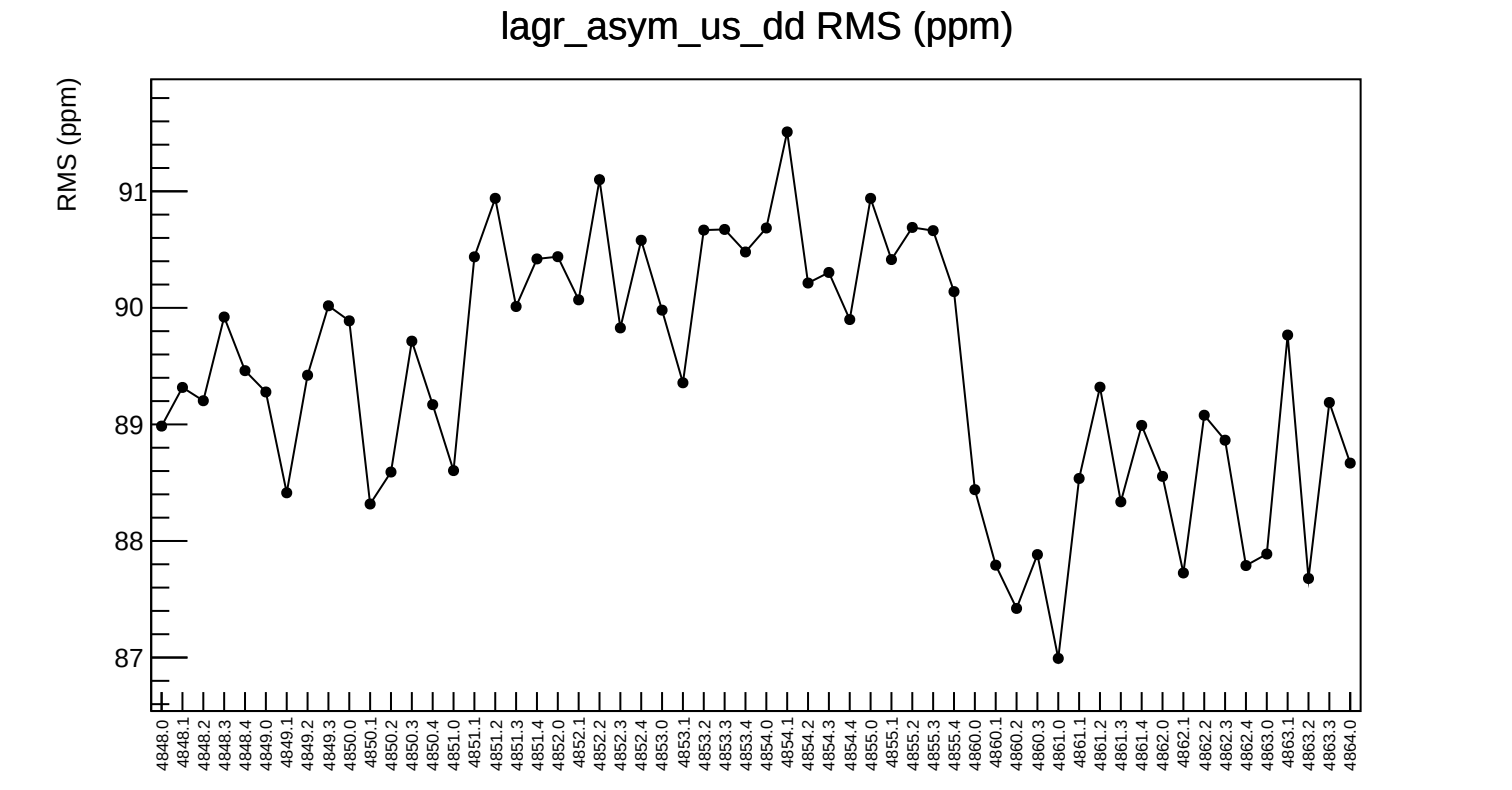

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

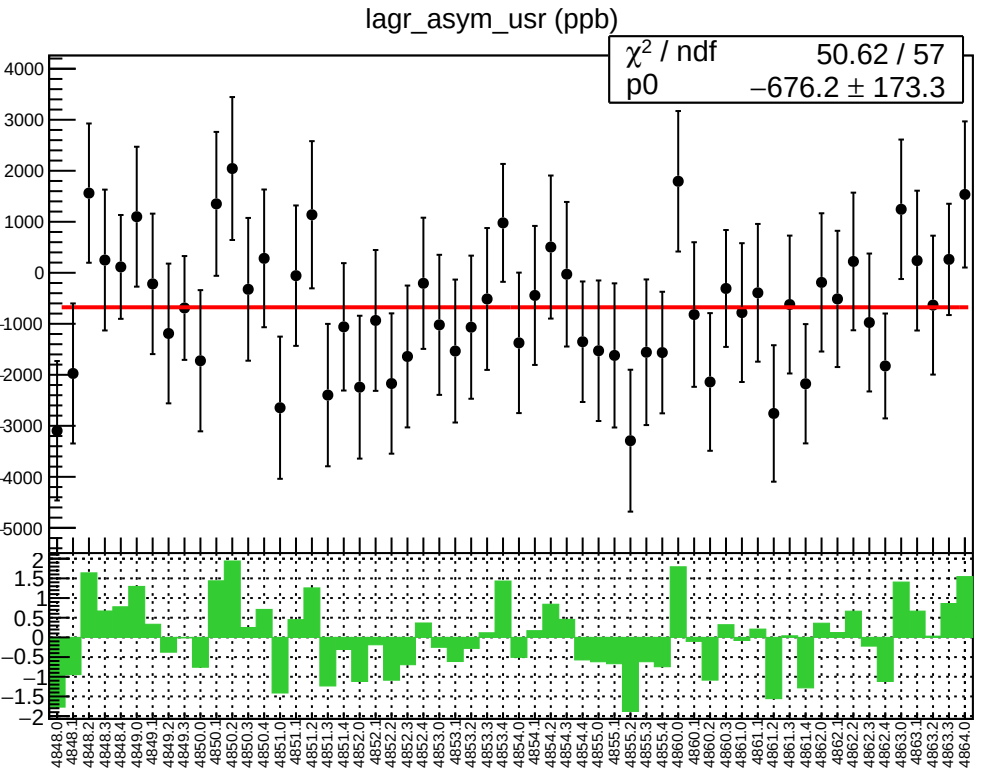

lagr_asym_us_avg (ppb)
χ² / ndf 48.56 / 57
p0 −713.2 ± 124.8

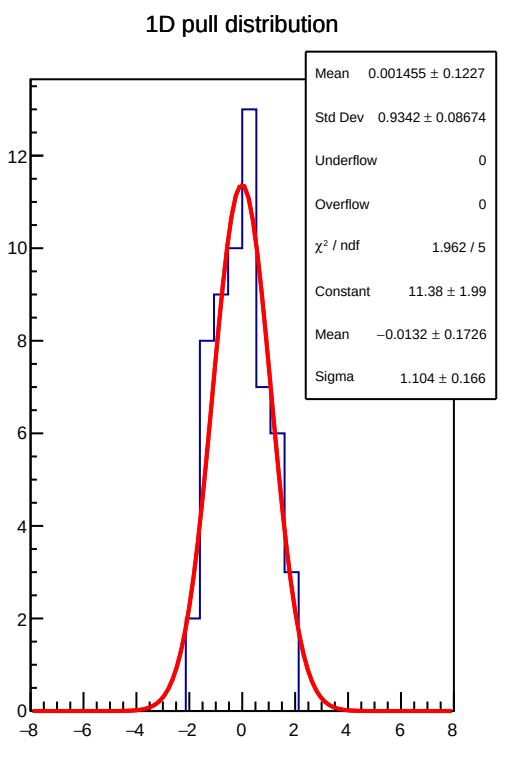

1D pull distribution
Mean 0.006658 ± 0.1201
Std Dev 0.915 ± 0.08495
Underflow 0
Overflow 0
χ² / ndf 4.079 / 6
Constant 12.01 ± 2.22
Mean −2.394e−17 ± 1.541e−05
Sigma 0.9992 ± 0.1482

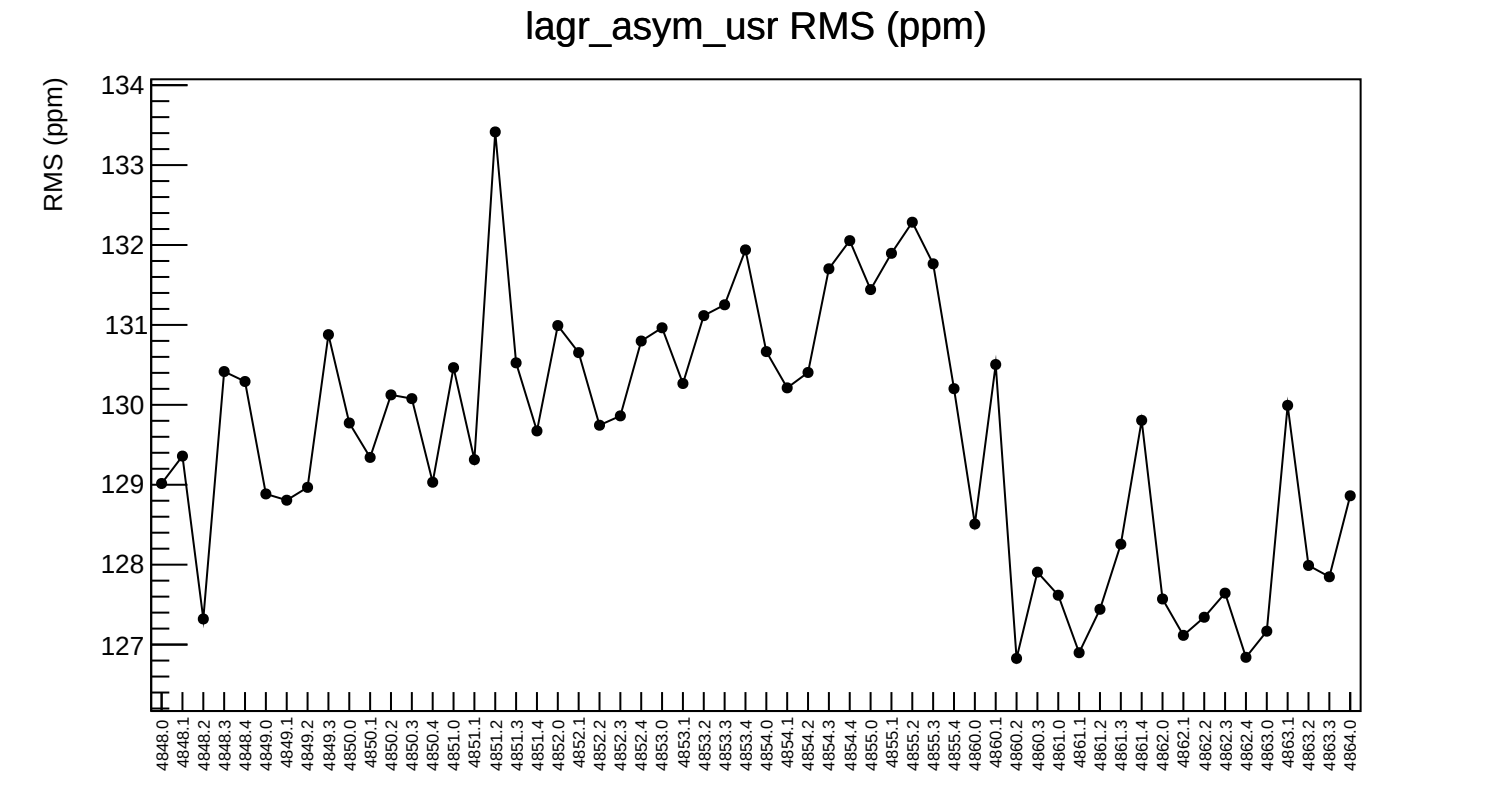

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
99
98
97
96
95
94
93
92
91
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

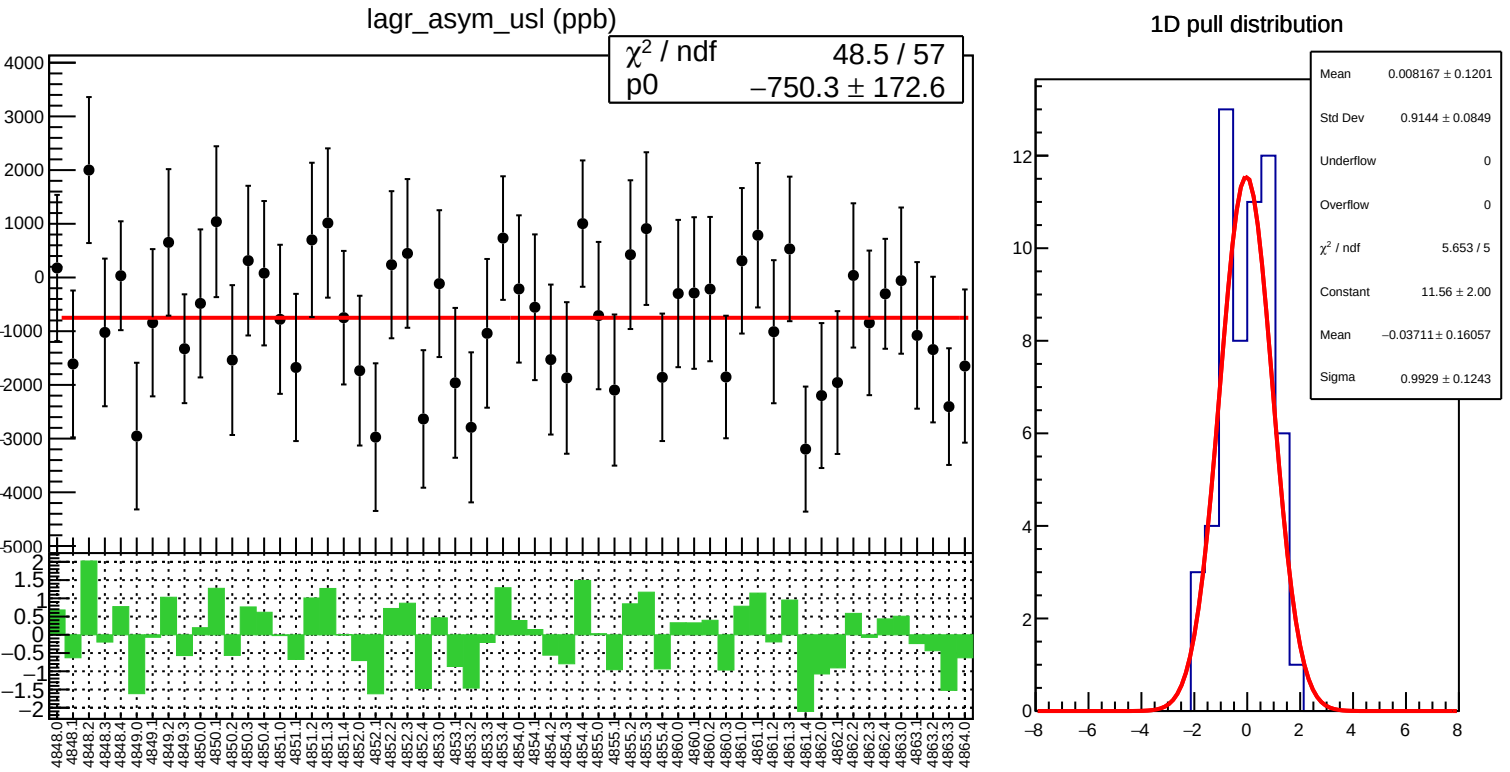

lagr_asym_us_dd (ppb)
χ² / ndf 49.76 / 57
p0 −37.08 ± 120.8
1D pull distribution
Mean 0.004789 ± 0.1216
Std Dev 0.9262 ± 0.086
Underflow 0
Overflow 0
χ² / ndf 6.445 / 5
Constant 11.68 ± 2.24
Mean 0.1072 ± 0.1548
Sigma 0.9645 ± 0.1510

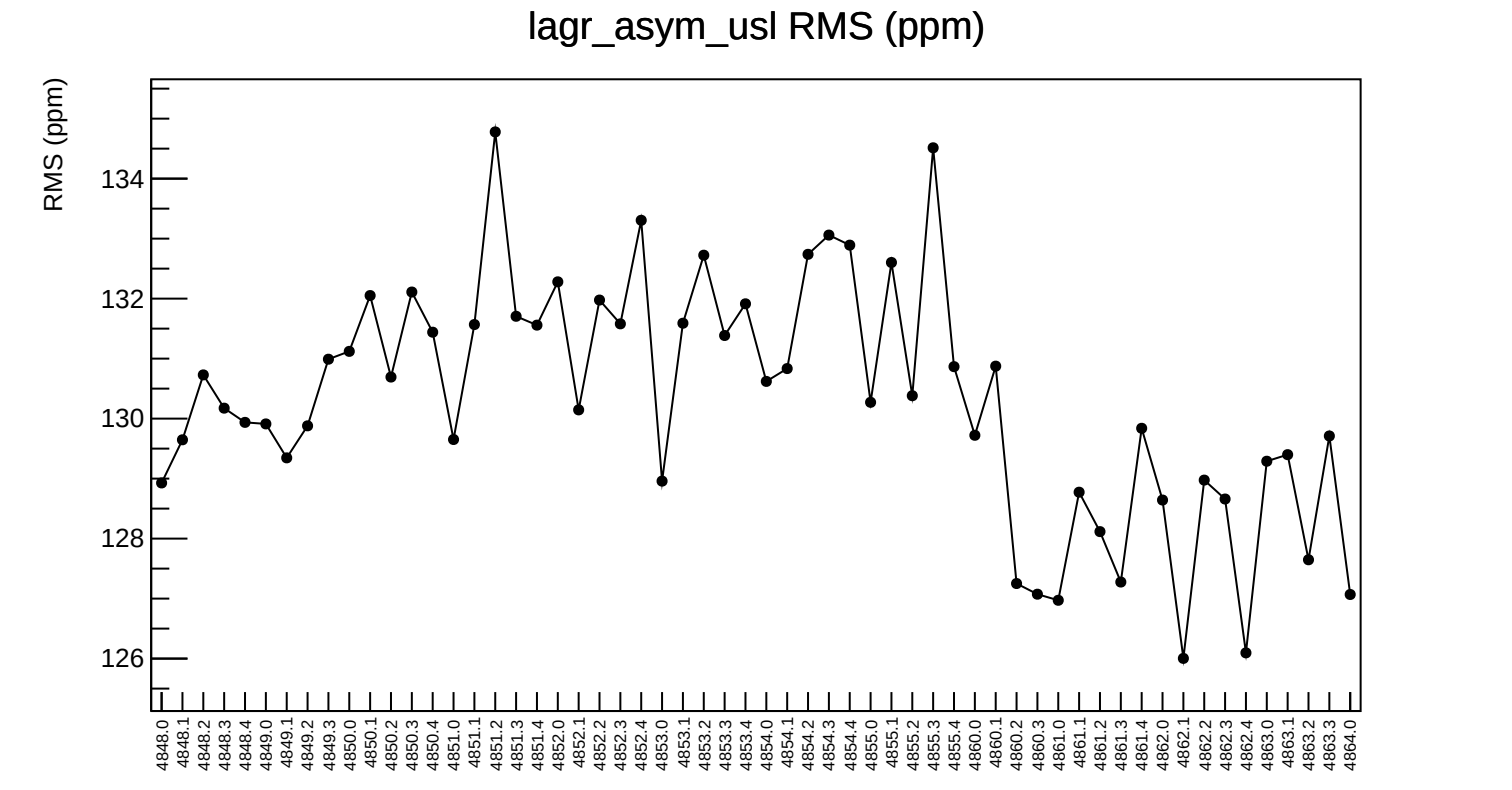

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
91
90
89
88
87
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

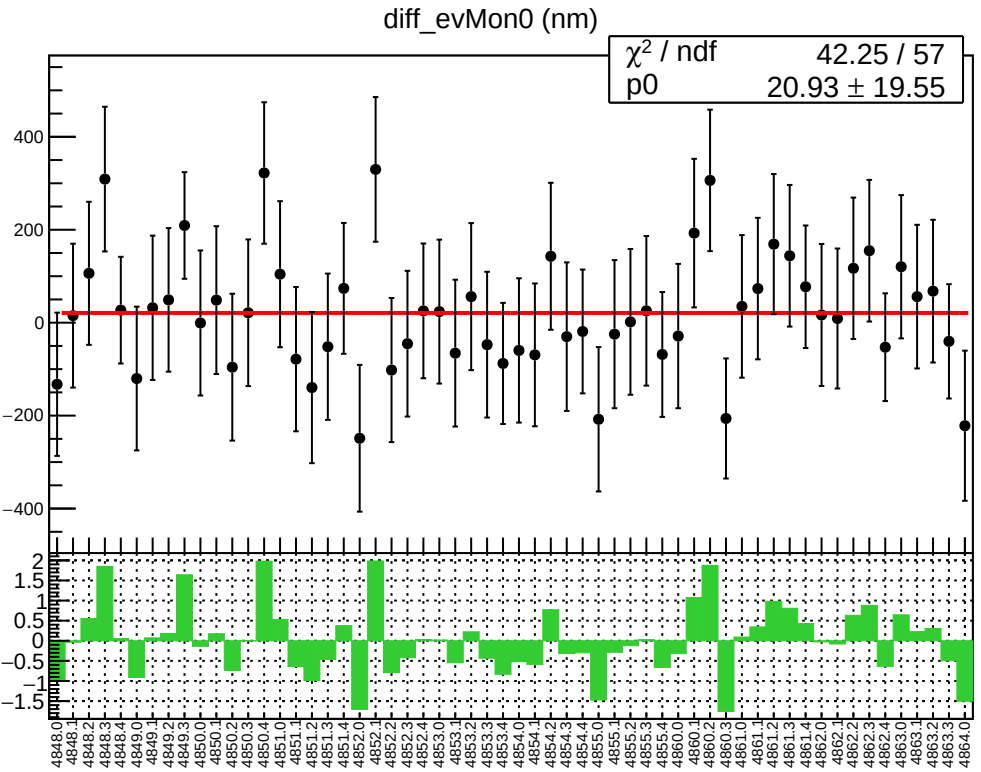

lagr_asym_usr (ppb)
χ² / ndf 50.62 / 57
p0 −676.2 ± 173.3

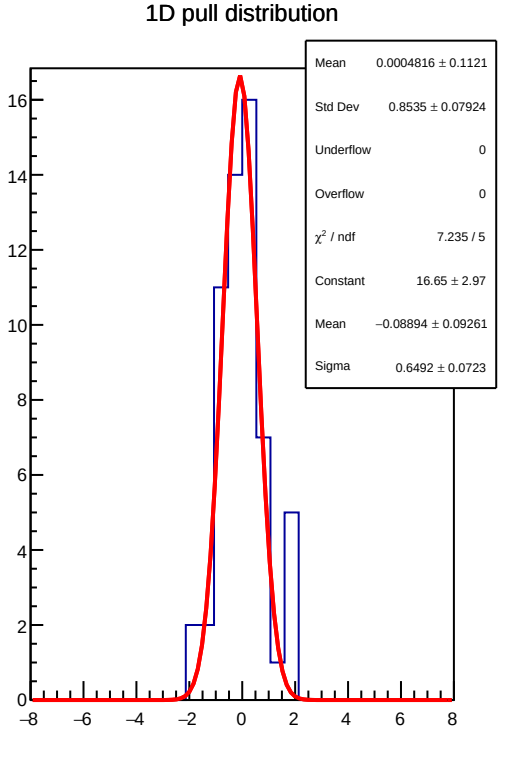

1D pull distribution
Mean 0.001455 ± 0.1227
Std Dev 0.9342 ± 0.08674
Underflow 0
Overflow 0
χ² / ndf 1.962 / 5
Constant 11.38 ± 1.99
Mean −0.0132 ± 0.1726
Sigma 1.104 ± 0.166

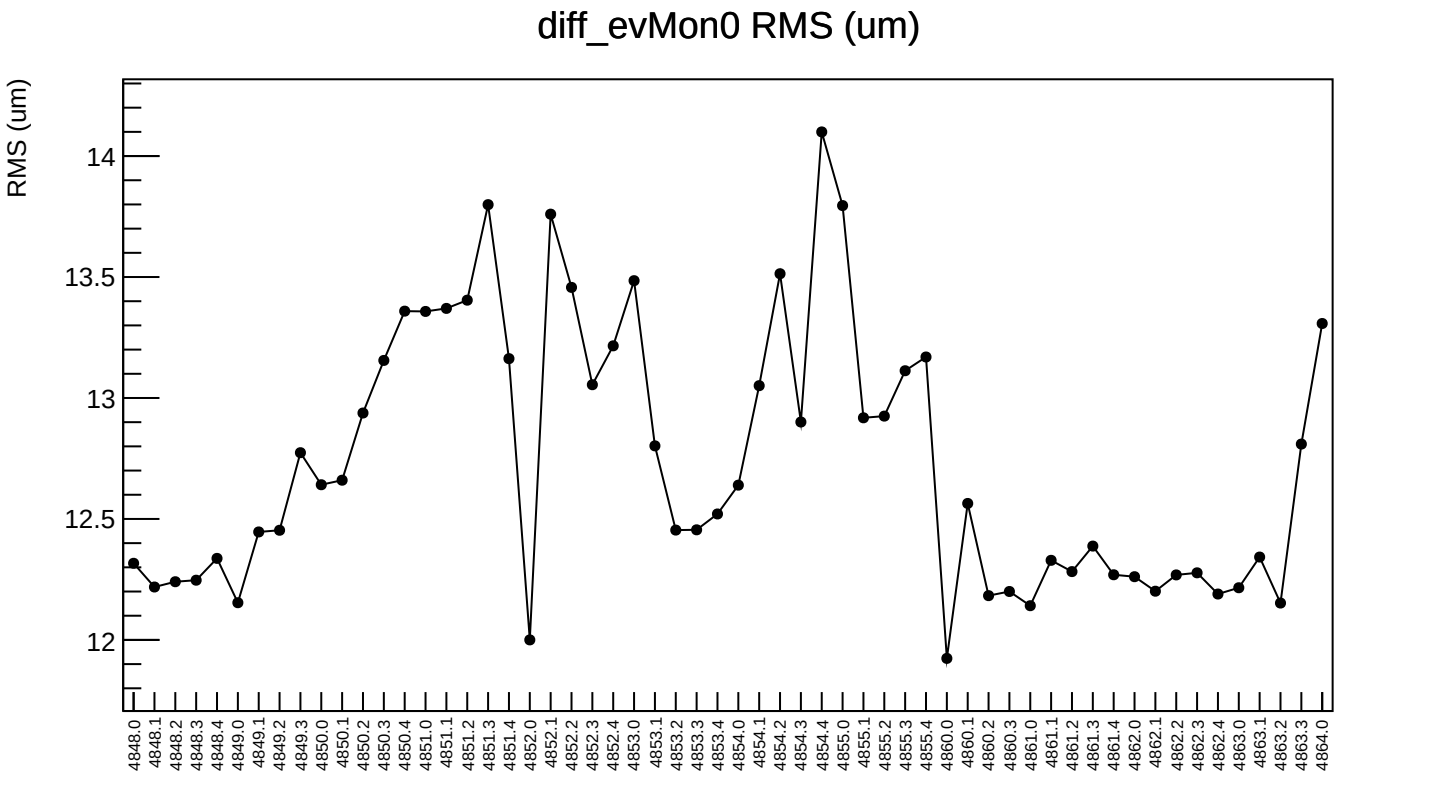

lagr_asym_usr RMS (ppm)
RMS (ppm)
134
133
132
131
130
129
128
127
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

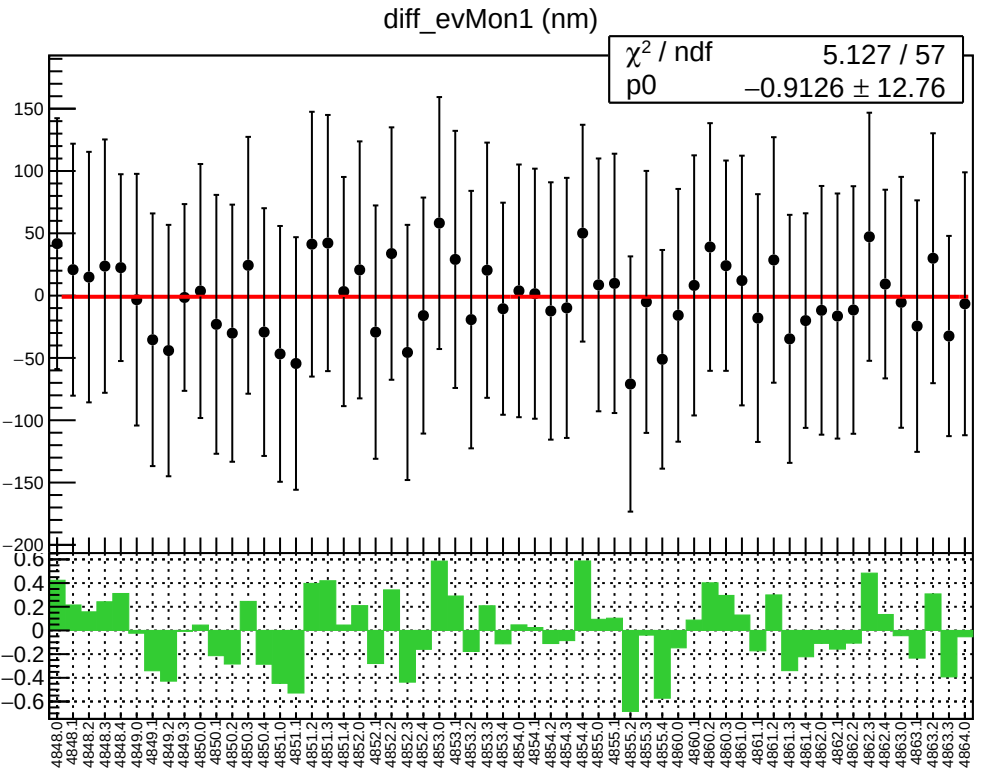

lagr_asym_usl (ppb)
χ² / ndf 48.5 / 57
p0 −750.3 ± 172.6
1D pull distribution
Mean 0.008167 ± 0.1201
Std Dev 0.9144 ± 0.0849
Underflow 0
Overflow 0
χ² / ndf 5.653 / 5
Constant 11.56 ± 2.00
Mean −0.03711 ± 0.16057
Sigma 0.9929 ± 0.1243

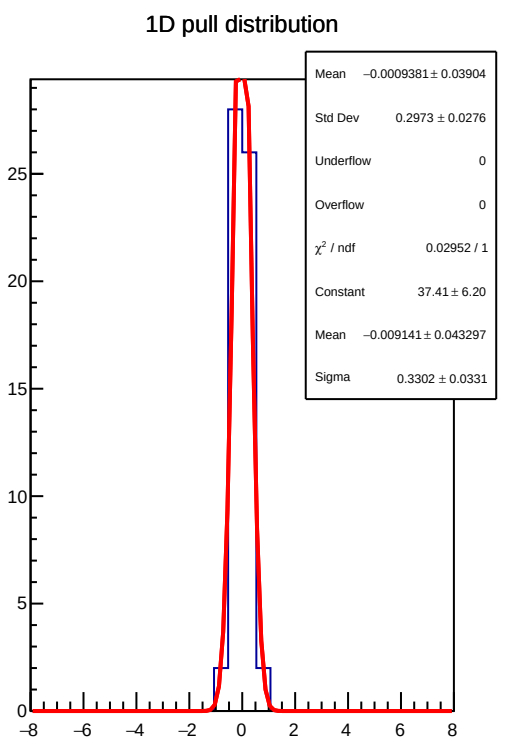

lagr_asym_usl RMS (ppm)
RMS (ppm)
134
132
130
128
126
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

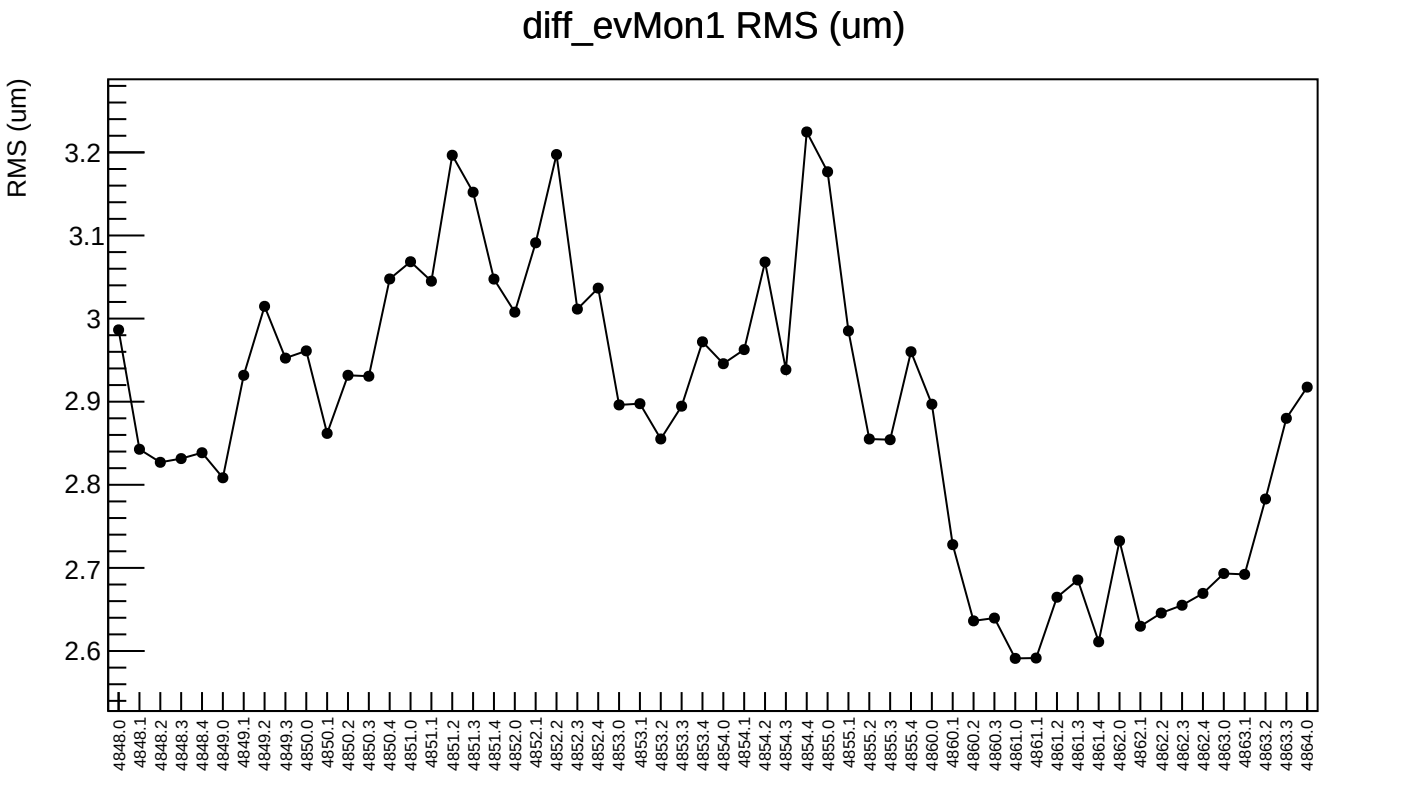

diff_evMon0 (nm)
χ² / ndf 42.25 / 57
p0 20.93 ± 19.55
400
200
0
−200
−400
2
1.5
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

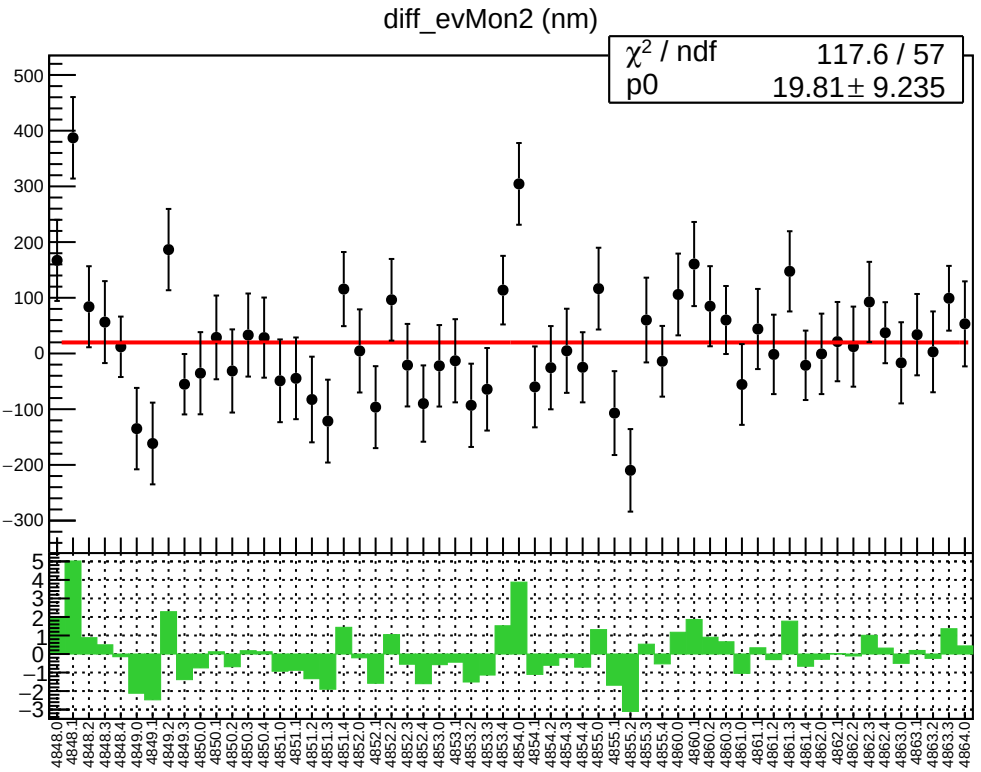

1D pull distribution
Mean 0.0004816 ± 0.1121
Std Dev 0.8535 ± 0.07924
Underflow 0
Overflow 0
χ² / ndf 7.235 / 5
Constant 16.65 ± 2.97
Mean −0.08894 ± 0.09261
Sigma 0.6492 ± 0.0723
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

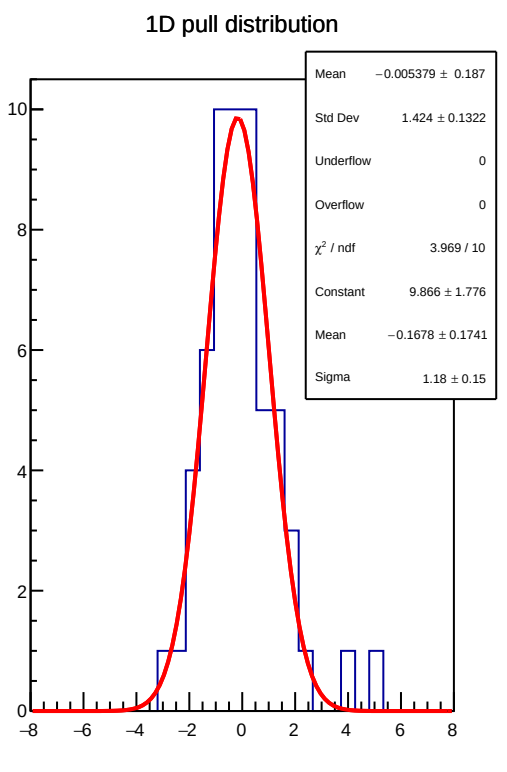

diff_evMon0 RMS (um)
RMS (um)
14
13.5
13
12.5
12
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

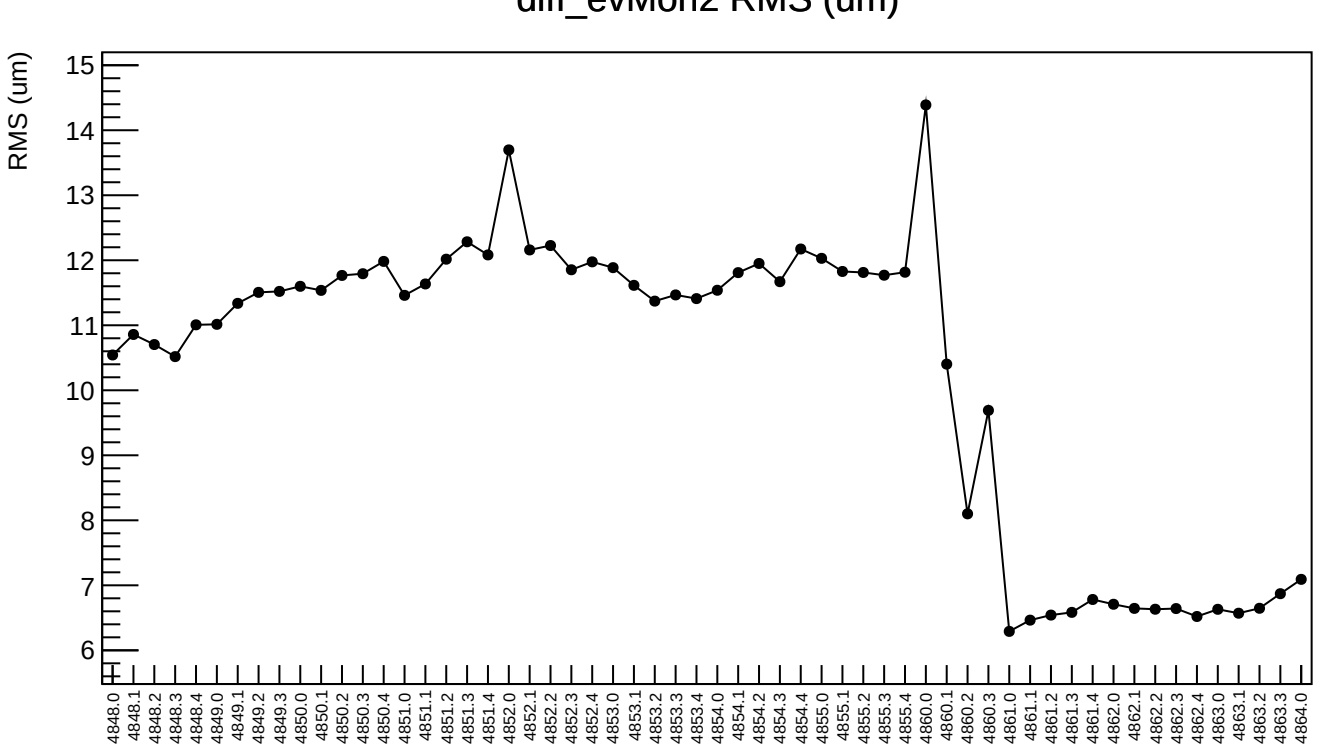

diff_evMon1 (nm)
χ² / ndf 5.127 / 57
p0 −0.9126 ± 12.76

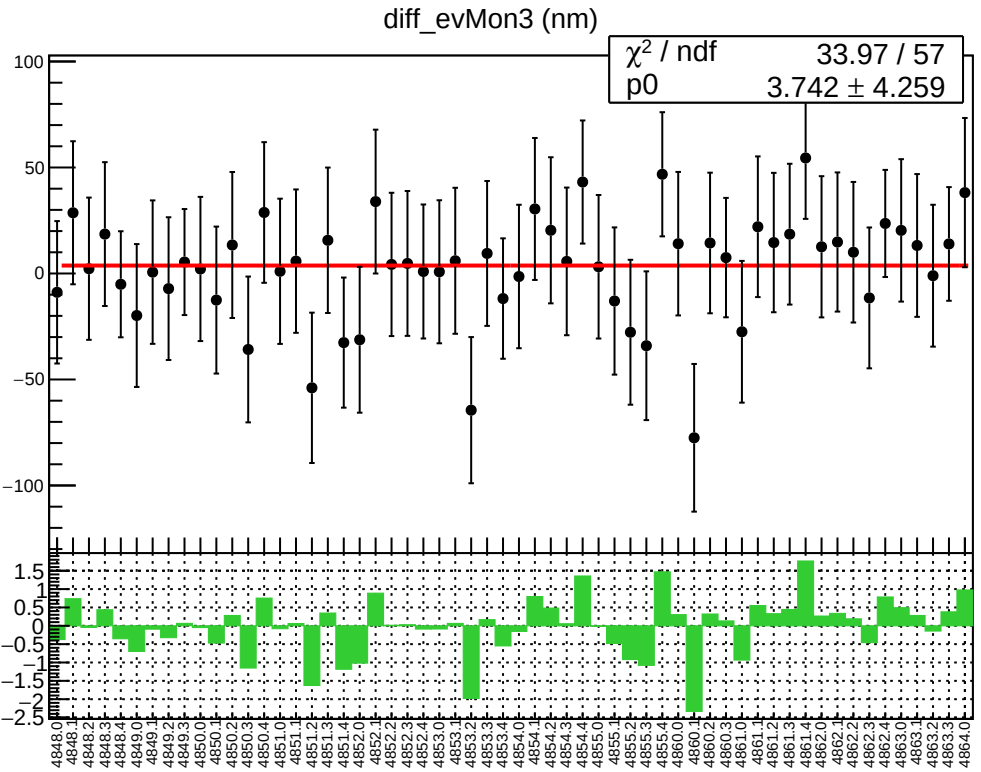

1D pull distribution
Mean −0.0009381 ± 0.03904
Std Dev 0.2973 ± 0.0276
Underflow 0
Overflow 0
χ² / ndf 0.02952 / 1
Constant 37.41 ± 6.20
Mean −0.009141 ± 0.043297
Sigma 0.3302 ± 0.0331

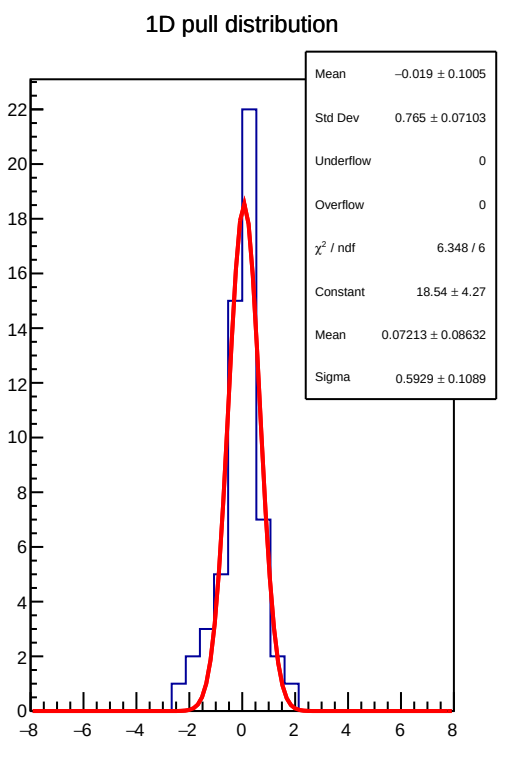

diff_evMon1 RMS (um)
RMS (um)
3.2
3.1
3
2.9
2.8
2.7
2.6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

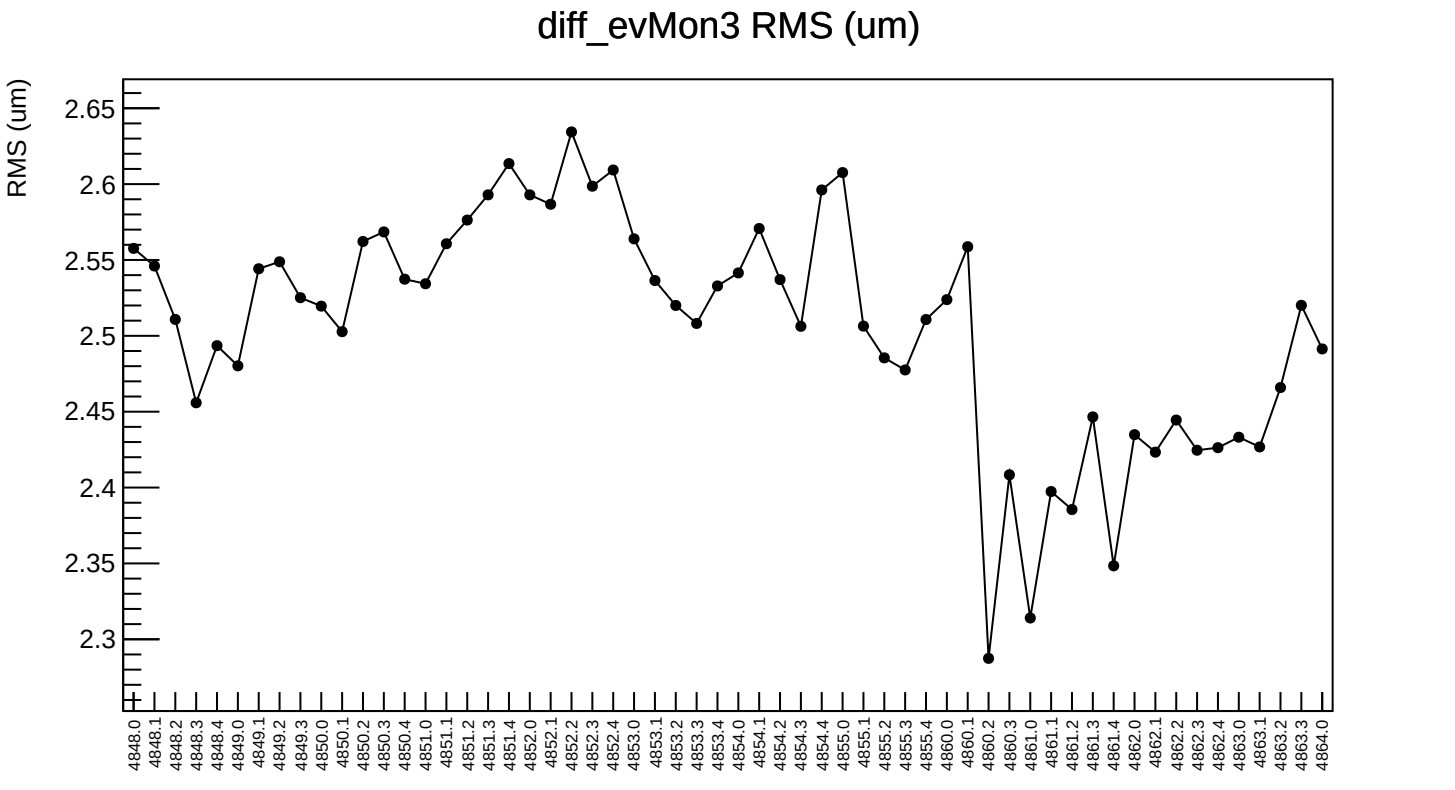

diff_evMon2 (nm)
χ² / ndf 117.6 / 57
p0 19.81 ± 9.235

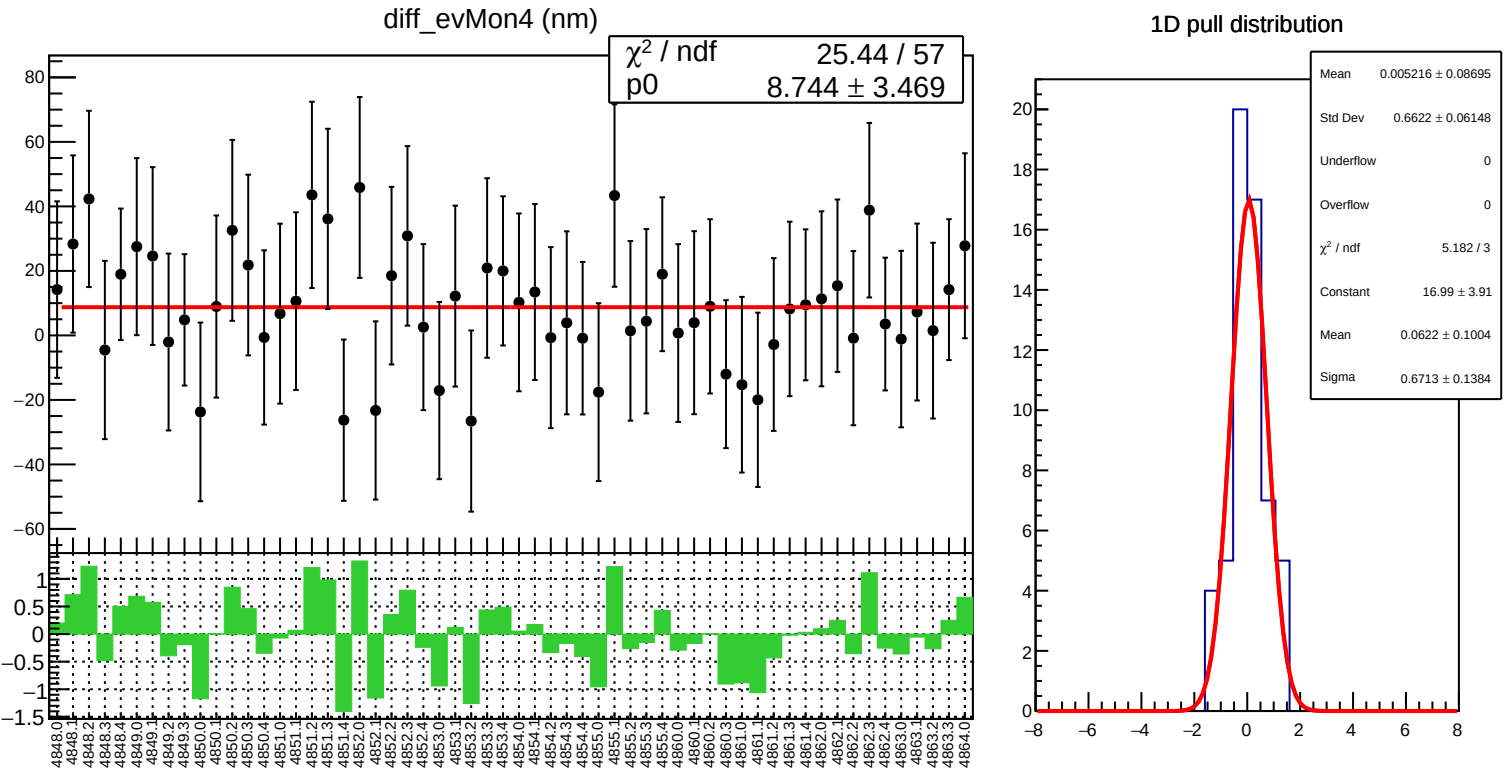

1D pull distribution
Mean −0.005379 ± 0.187
Std Dev 1.424 ± 0.1322
Underflow 0
Overflow 0
χ² / ndf 3.969 / 10
Constant 9.866 ± 1.776
Mean −0.1678 ± 0.1741
Sigma 1.18 ± 0.15

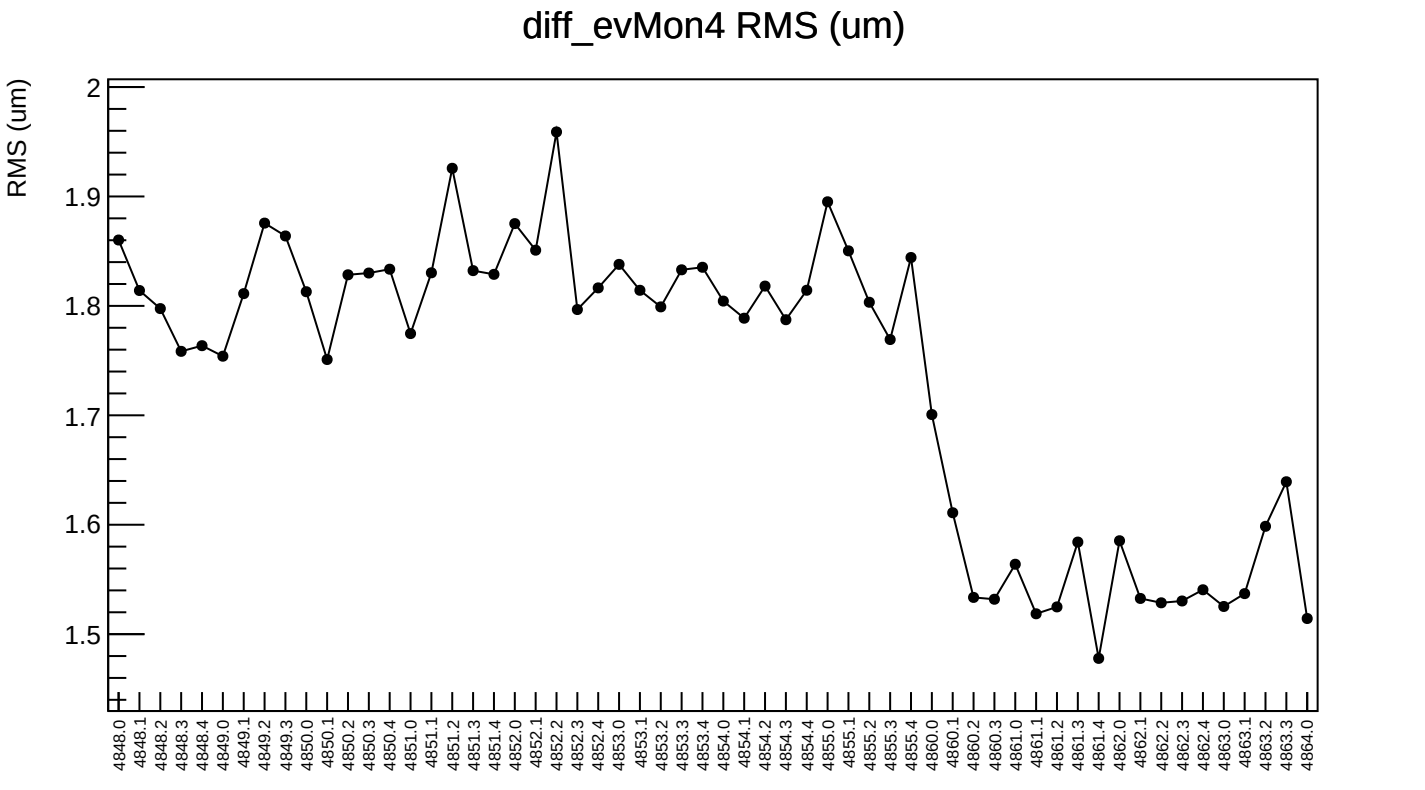

diff_evMon2 RMS (um)
RMS (um)
15
14
13
12
11
10
9
8
7
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

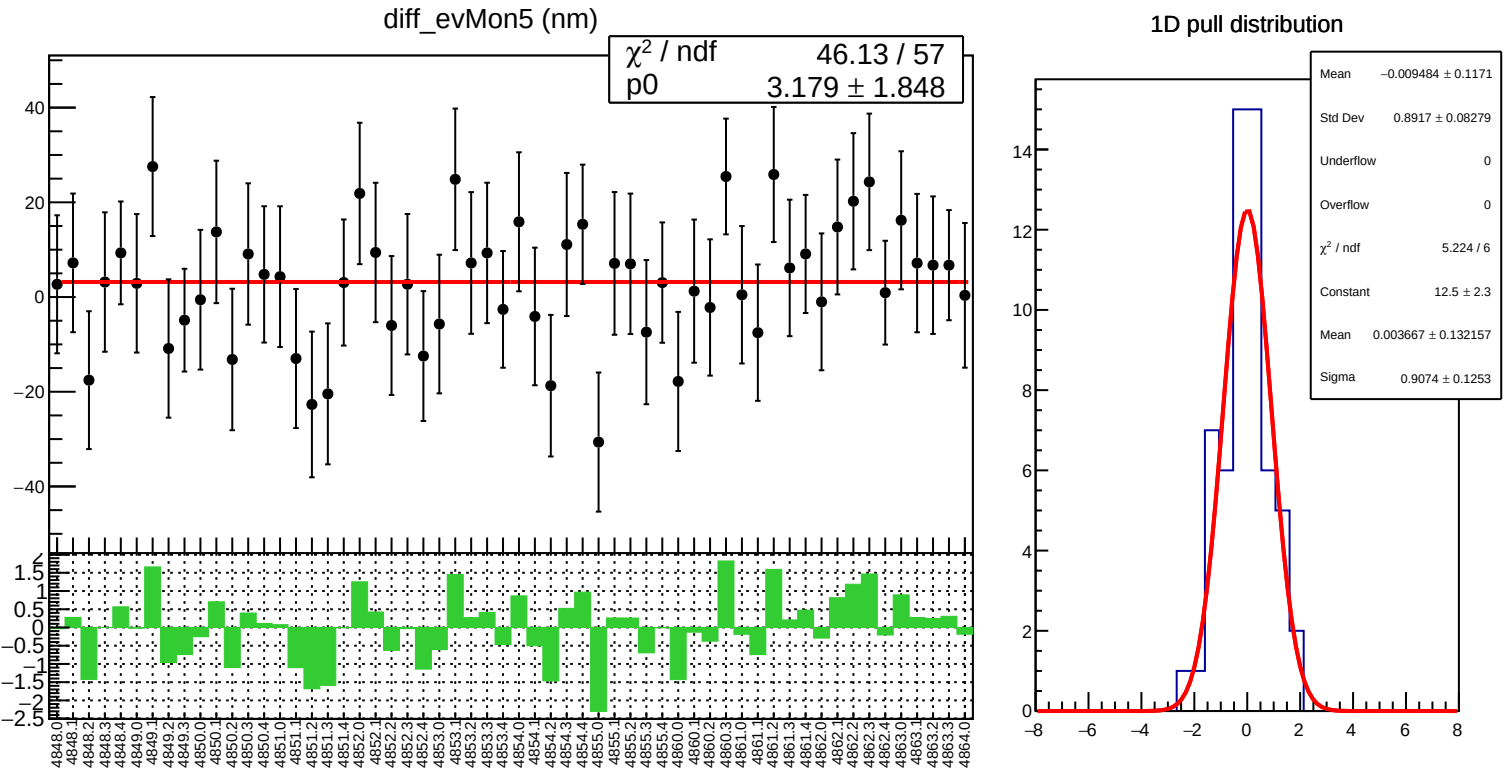

diff_evMon3 (nm)
χ² / ndf 33.97 / 57
p0 3.742 ± 4.259

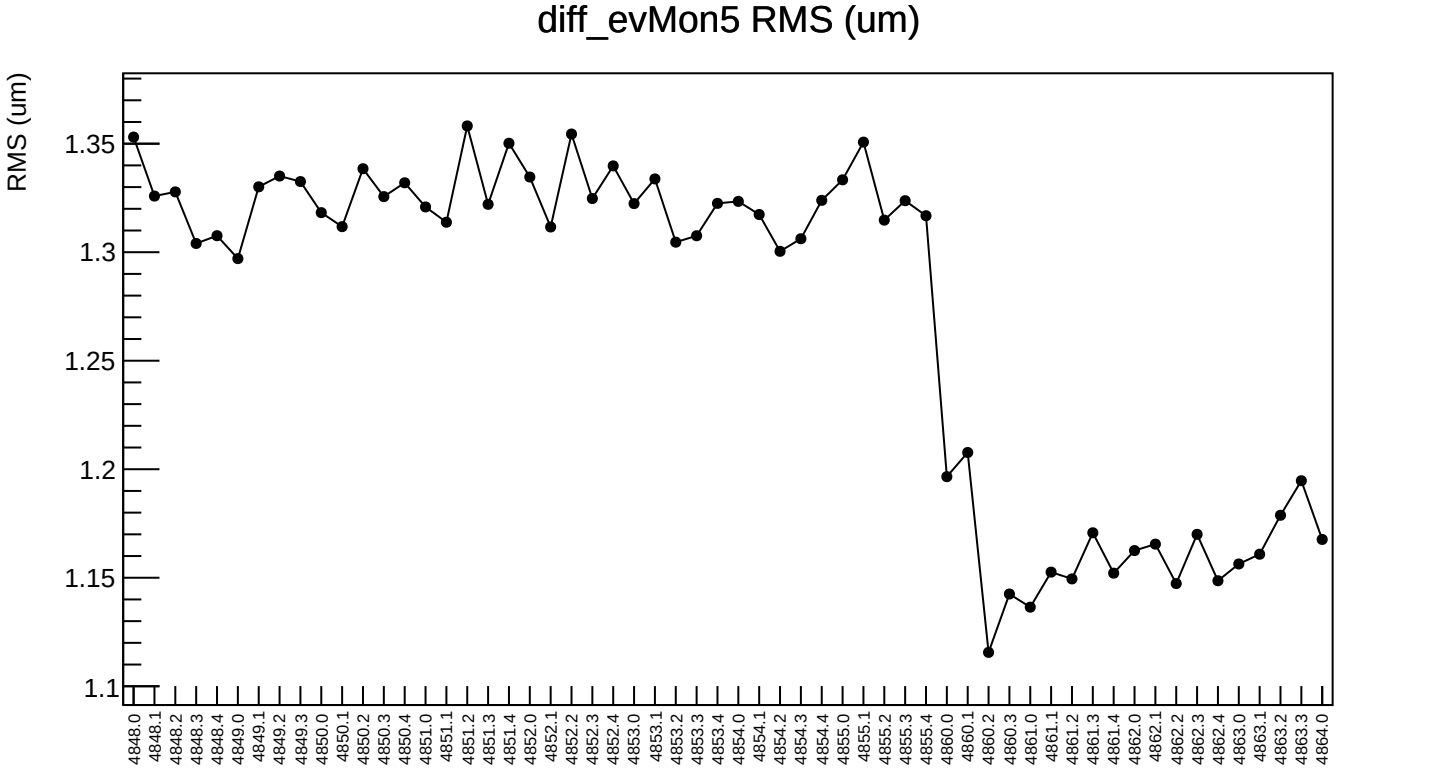

1D pull distribution
Mean −0.019 ± 0.1005
Std Dev 0.765 ± 0.07103
Underflow 0
Overflow 0
χ² / ndf 6.348 / 6
Constant 18.54 ± 4.27
Mean 0.07213 ± 0.08632
Sigma 0.5929 ± 0.1089

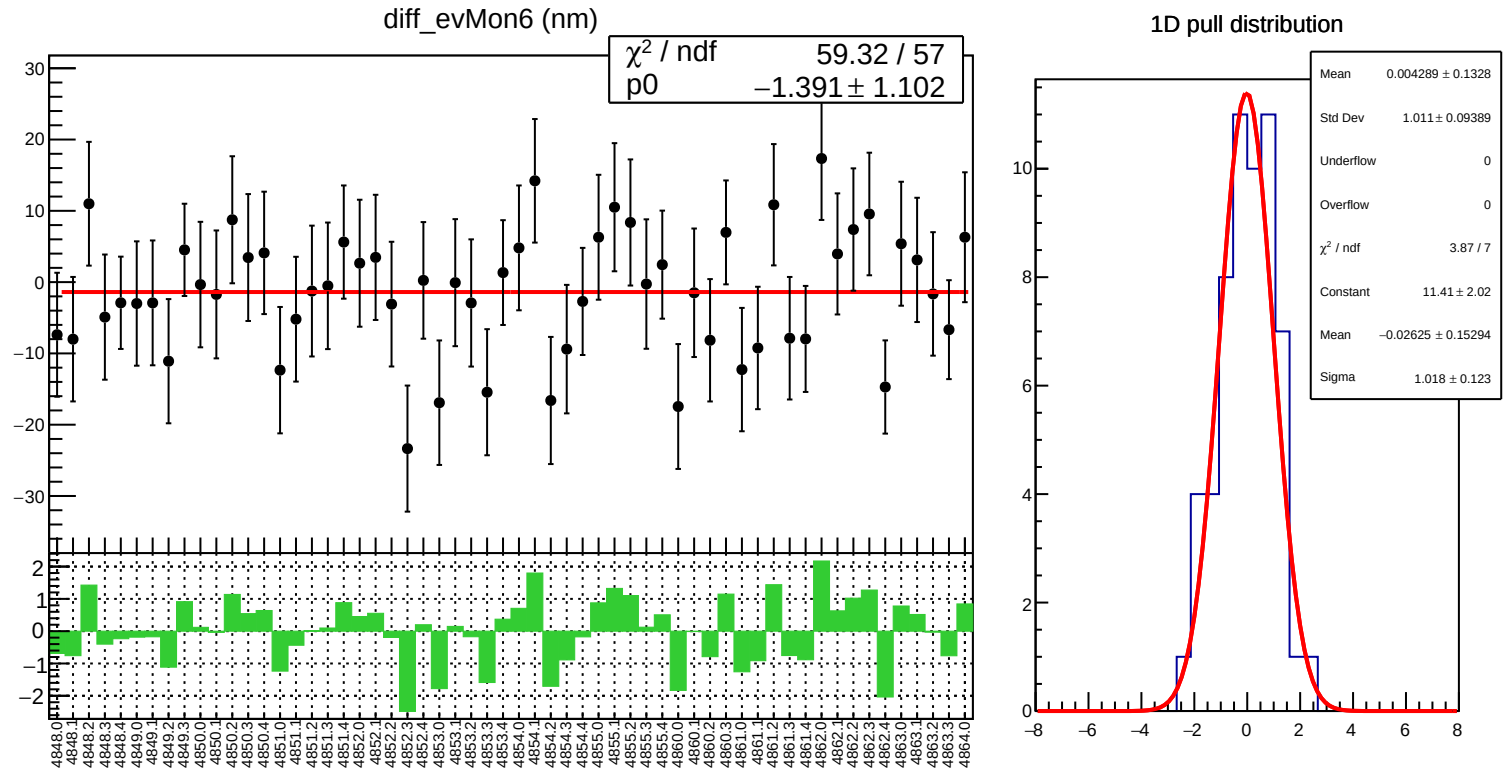

diff_evMon3 RMS (um)
RMS (um)
2.65
2.6
2.55
2.5
2.45
2.4
2.35
2.3
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

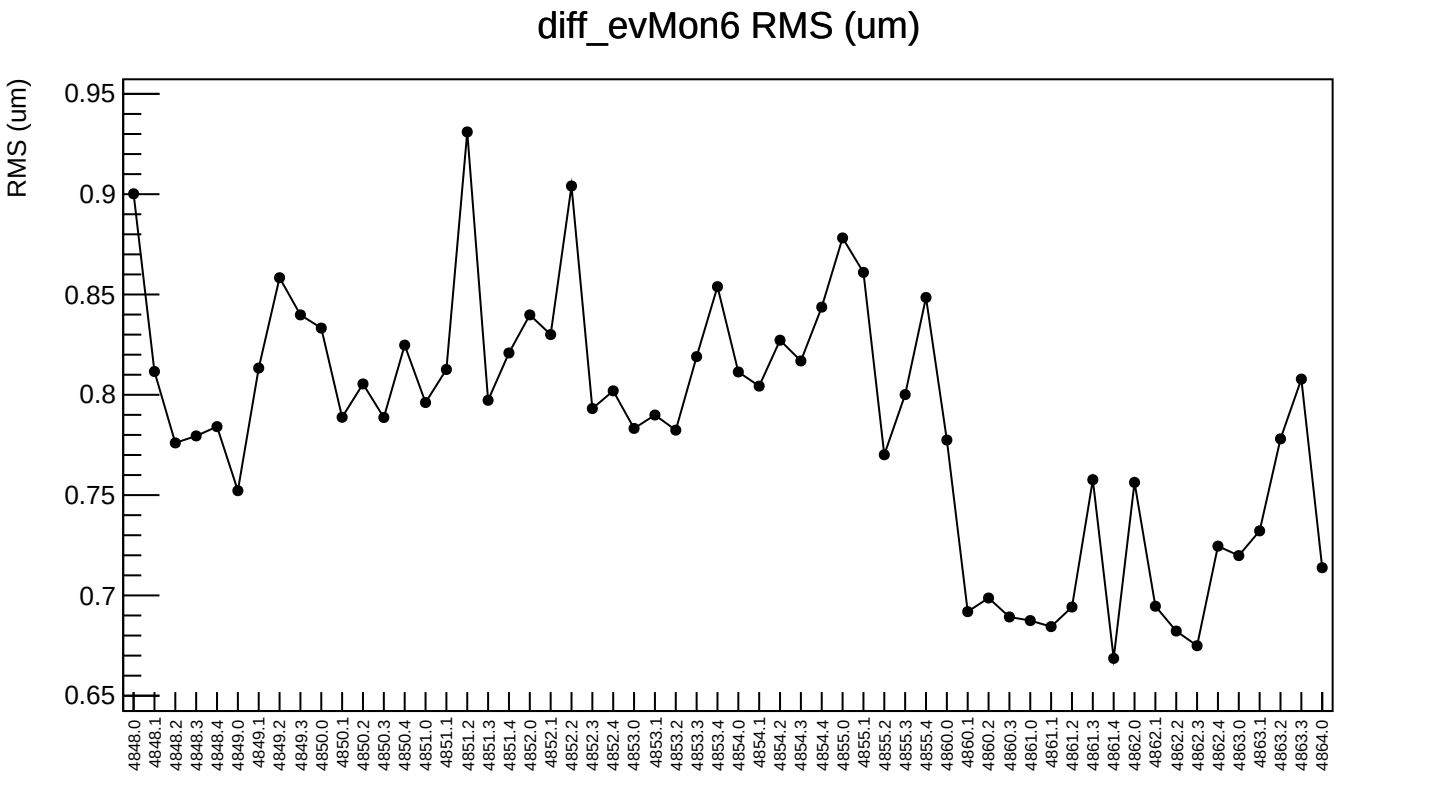

diff_evMon4 (nm)
χ² / ndf 25.44 / 57
p0 8.744 ± 3.469
1D pull distribution
Mean 0.005216 ± 0.08695
Std Dev 0.6622 ± 0.06148
Underflow 0
Overflow 0
χ² / ndf 5.182 / 3
Constant 16.99 ± 3.91
Mean 0.0622 ± 0.1004
Sigma 0.6713 ± 0.1384

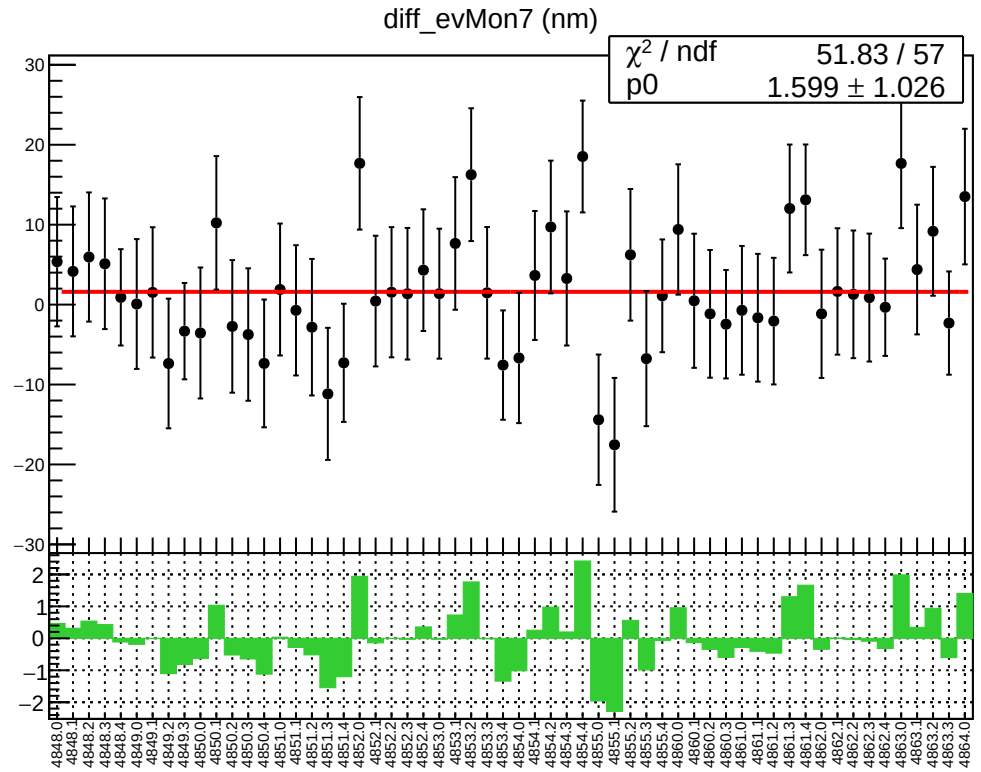

diff_evMon4 RMS (um)
RMS (um)
2
1.9
1.8
1.7
1.6
1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

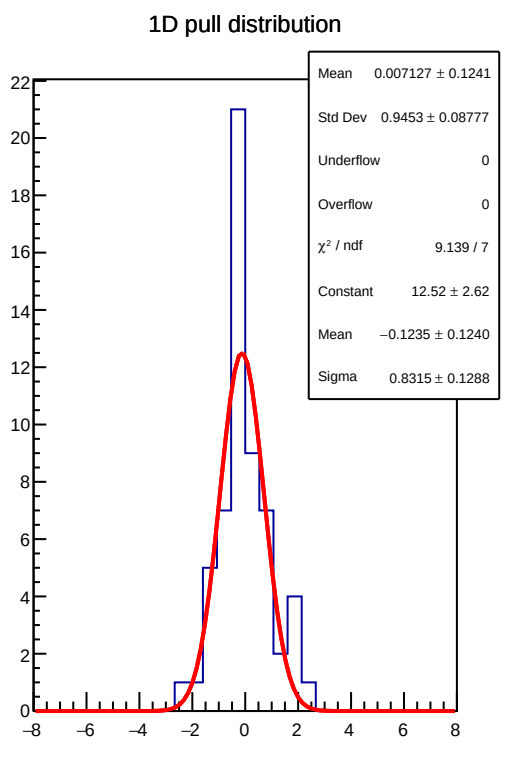

diff_evMon5 (nm)
χ² / ndf 46.13 / 57
p0 3.179 ± 1.848
1D pull distribution
Mean −0.009484 ± 0.1171
Std Dev 0.8917 ± 0.08279
Underflow 0
Overflow 0
χ² / ndf 5.224 / 6
Constant 12.5 ± 2.3
Mean 0.003667 ± 0.132157
Sigma 0.9074 ± 0.1253

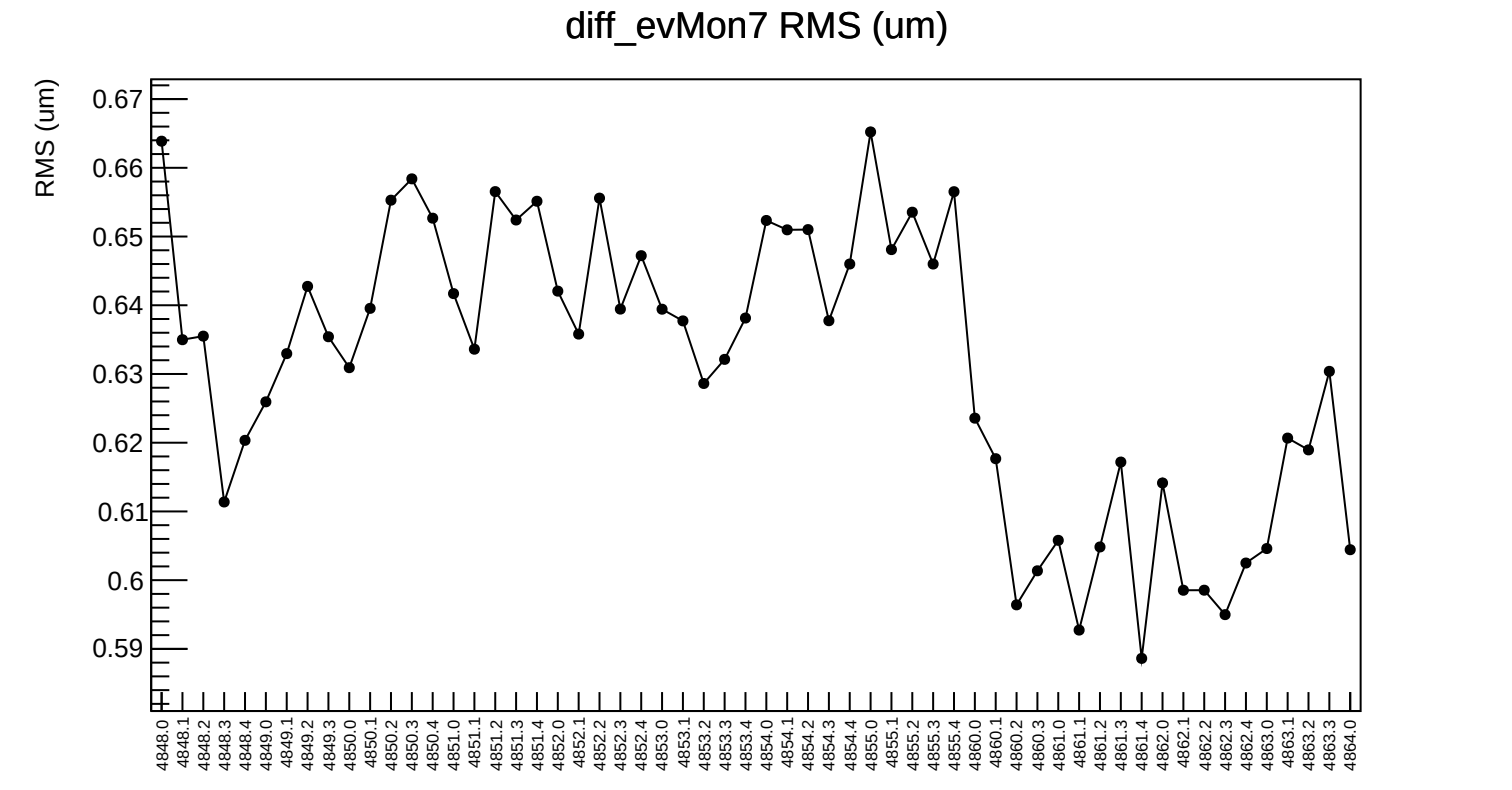

diff_evMon5 RMS (um)
RMS (um)
1.35
1.3
1.25
1.2
1.15
1.1
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

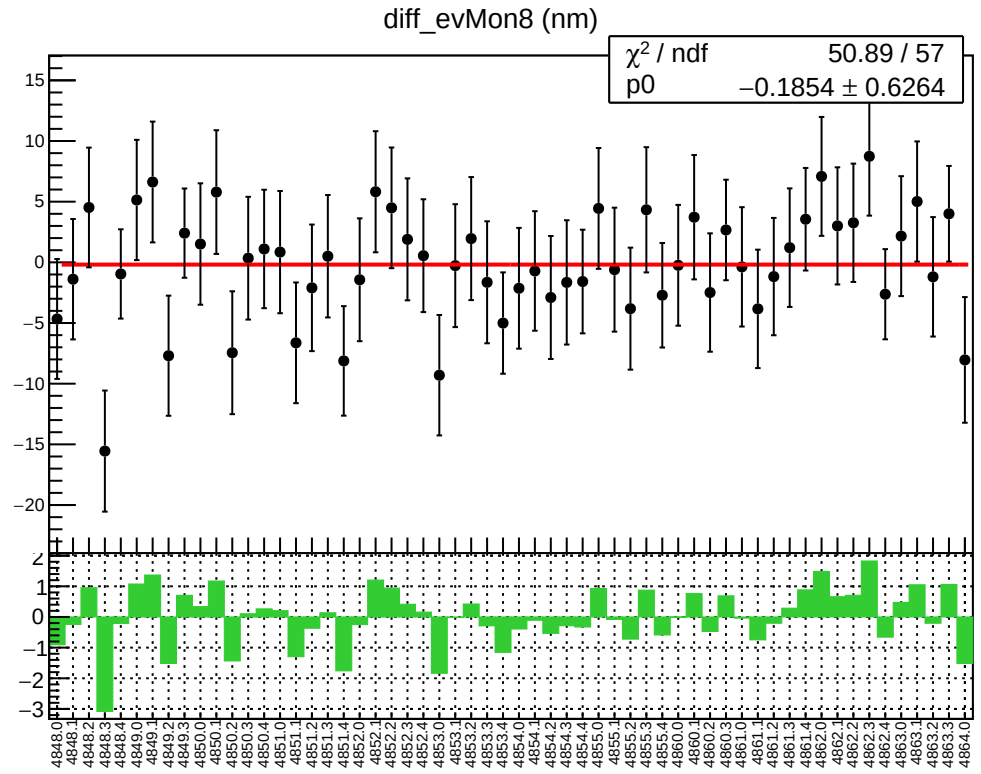

diff_evMon6 (nm)
χ² / ndf 59.32 / 57
p0 −1.391 ± 1.102
1D pull distribution
Mean 0.004289 ± 0.1328
Std Dev 1.011 ± 0.09389
Underflow 0
Overflow 0
χ² / ndf 3.87 / 7
Constant 11.41 ± 2.02
Mean −0.02625 ± 0.15294
Sigma 1.018 ± 0.123

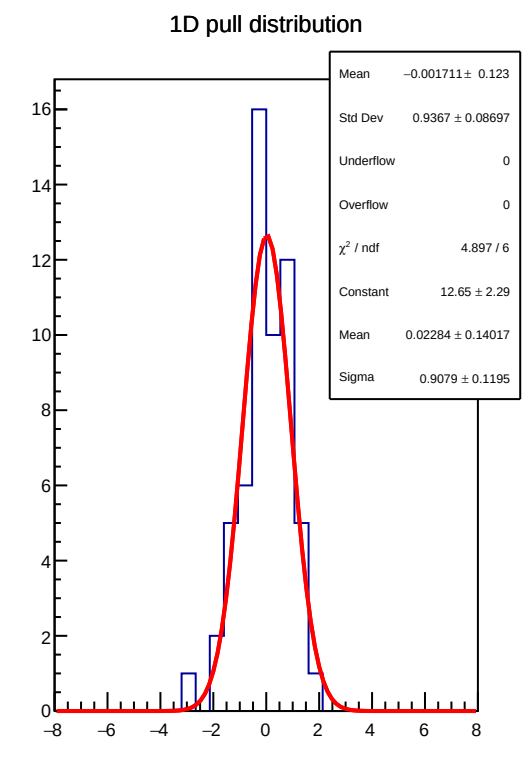

diff_evMon6 RMS (um)
RMS (um)
0.95
0.9
0.85
0.8
0.75
0.7
0.65
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

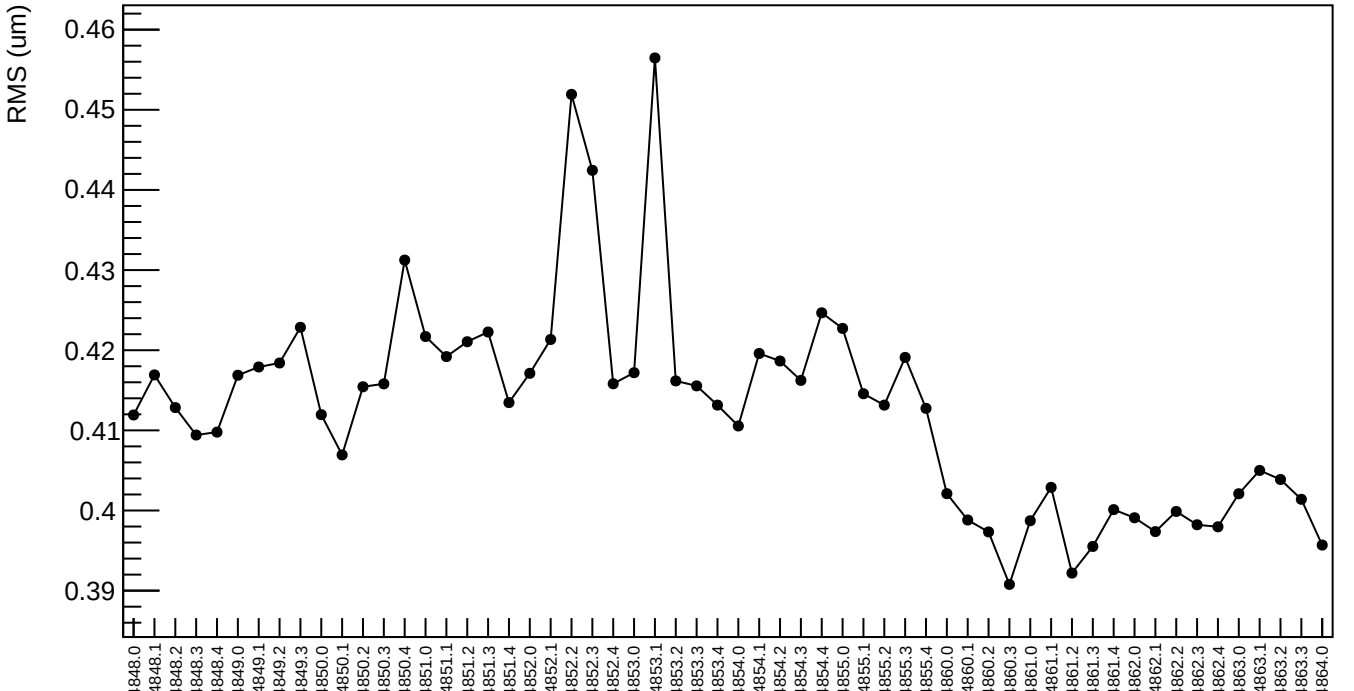

diff_evMon7 (nm)
χ² / ndf 51.83 / 57
p0 1.599 ± 1.026

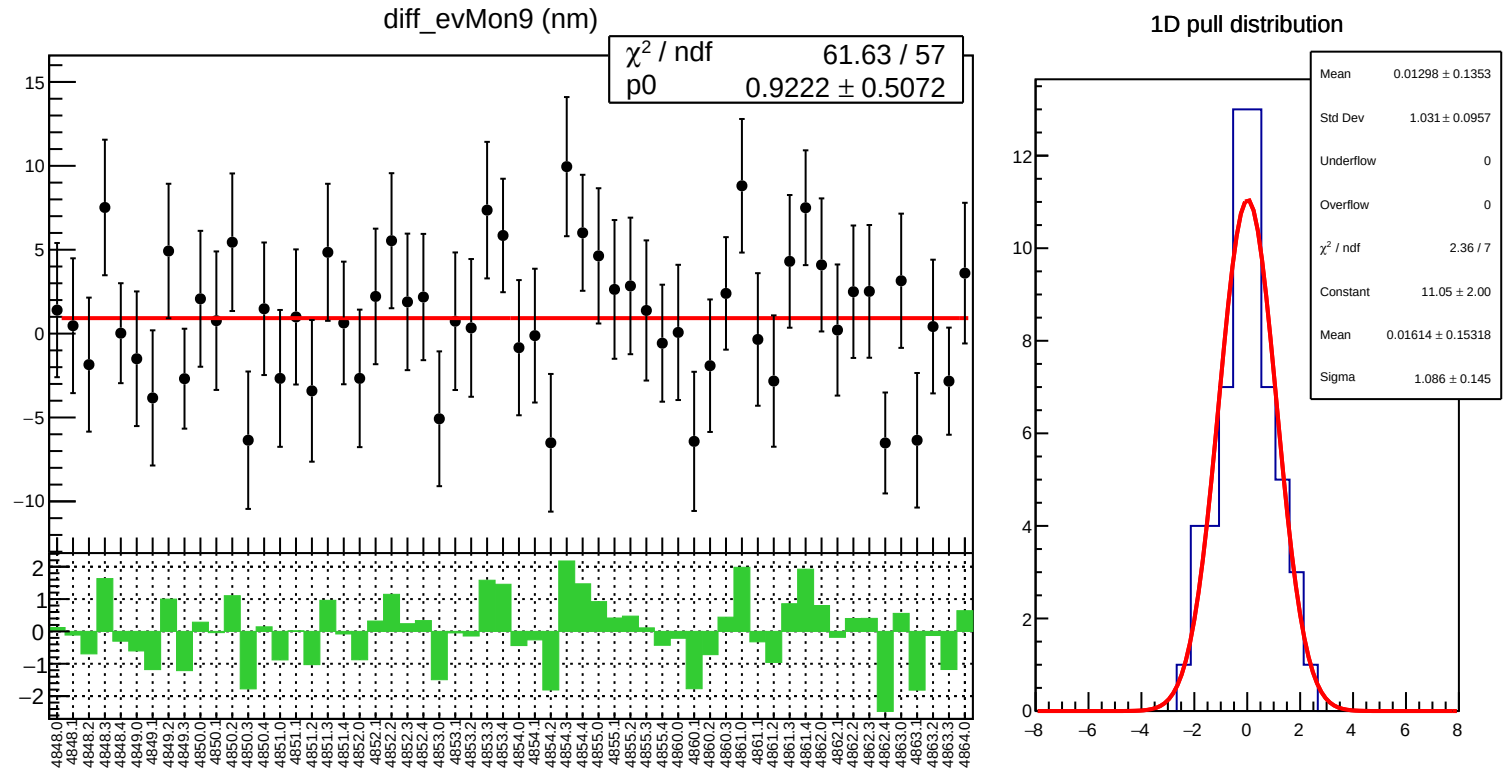

1D pull distribution
Mean 0.007127 ± 0.1241
Std Dev 0.9453 ± 0.08777
Underflow 0
Overflow 0
χ² / ndf 9.139 / 7
Constant 12.52 ± 2.62
Mean −0.1235 ± 0.1240
Sigma 0.8315 ± 0.1288

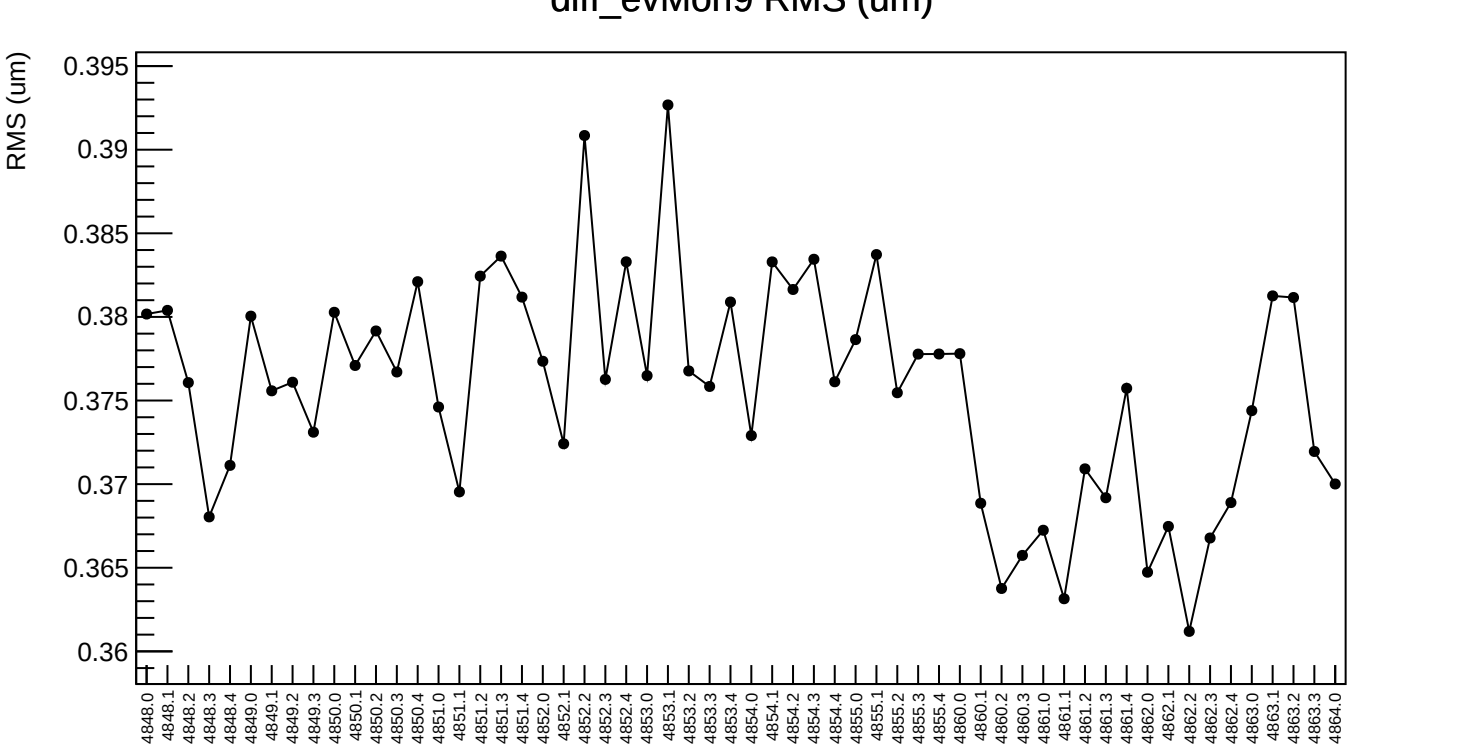

diff_evMon7 RMS (um)
RMS (um)
0.67
0.66
0.65
0.64
0.63
0.62
0.61
0.6
0.59
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

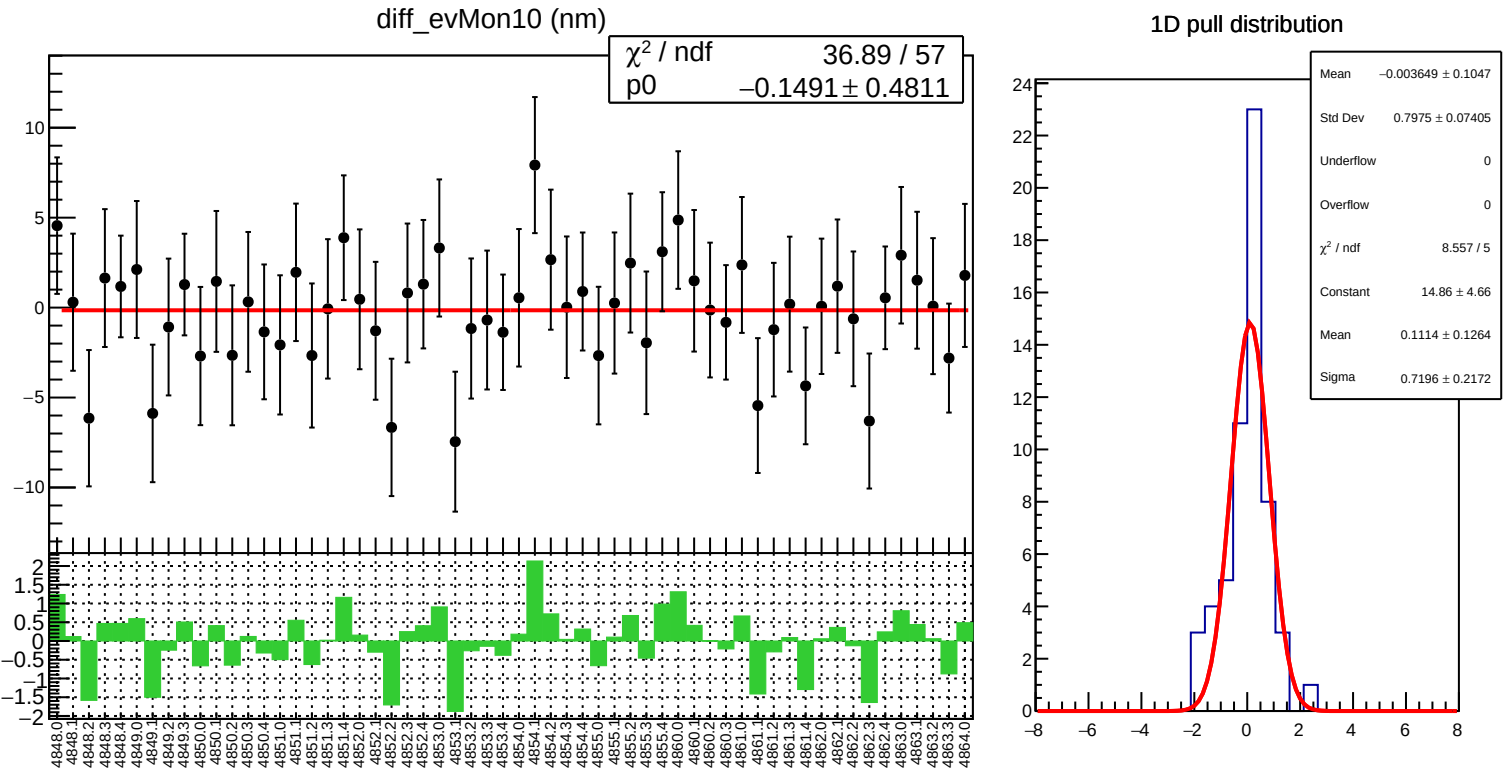

diff_evMon8 (nm)
χ² / ndf 50.89 / 57
p0 −0.1854 ± 0.6264

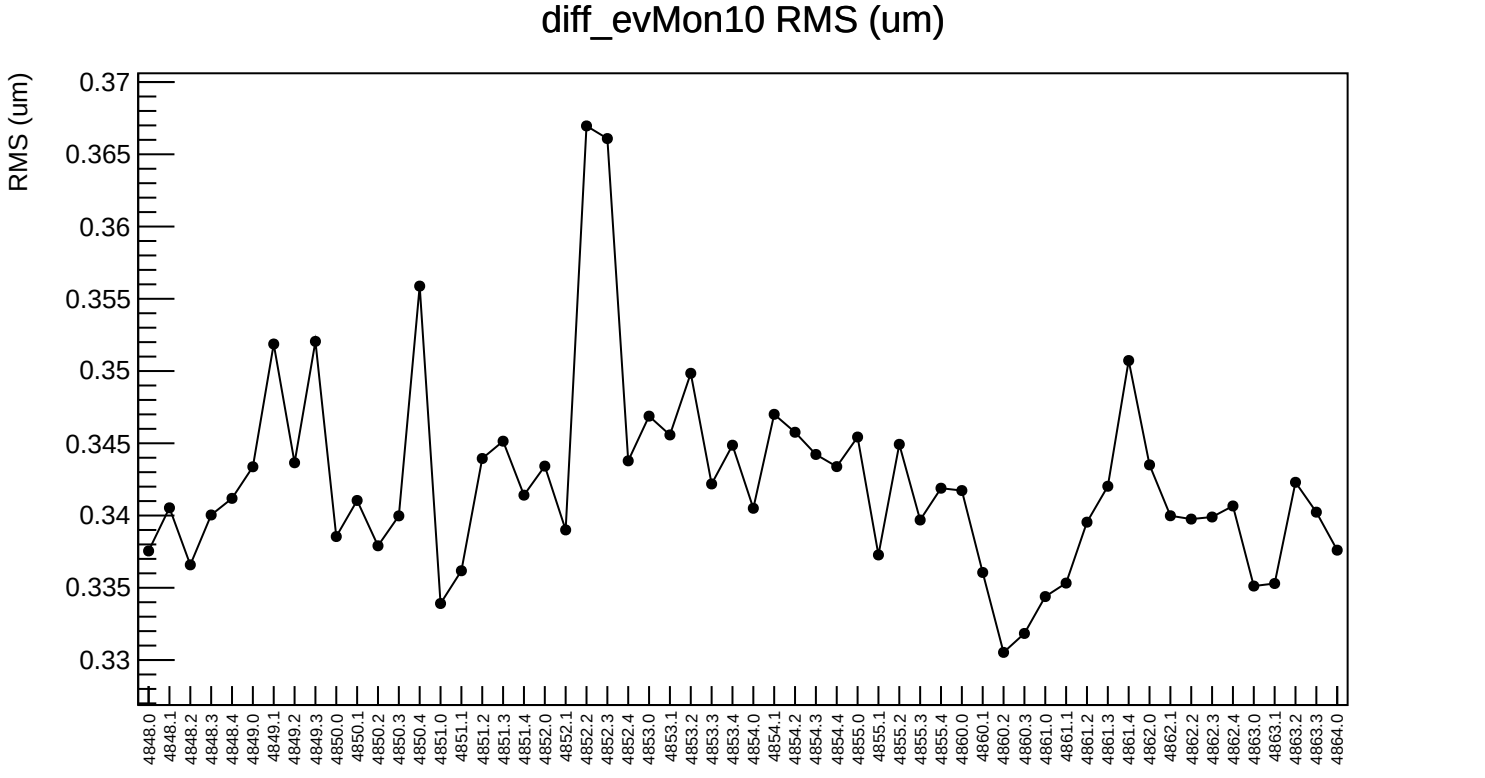

1D pull distribution
Mean −0.001711 ± 0.123
Std Dev 0.9367 ± 0.08697
Underflow 0
Overflow 0
χ² / ndf 4.897 / 6
Constant 12.65 ± 2.29
Mean 0.02284 ± 0.14017
Sigma 0.9079 ± 0.1195

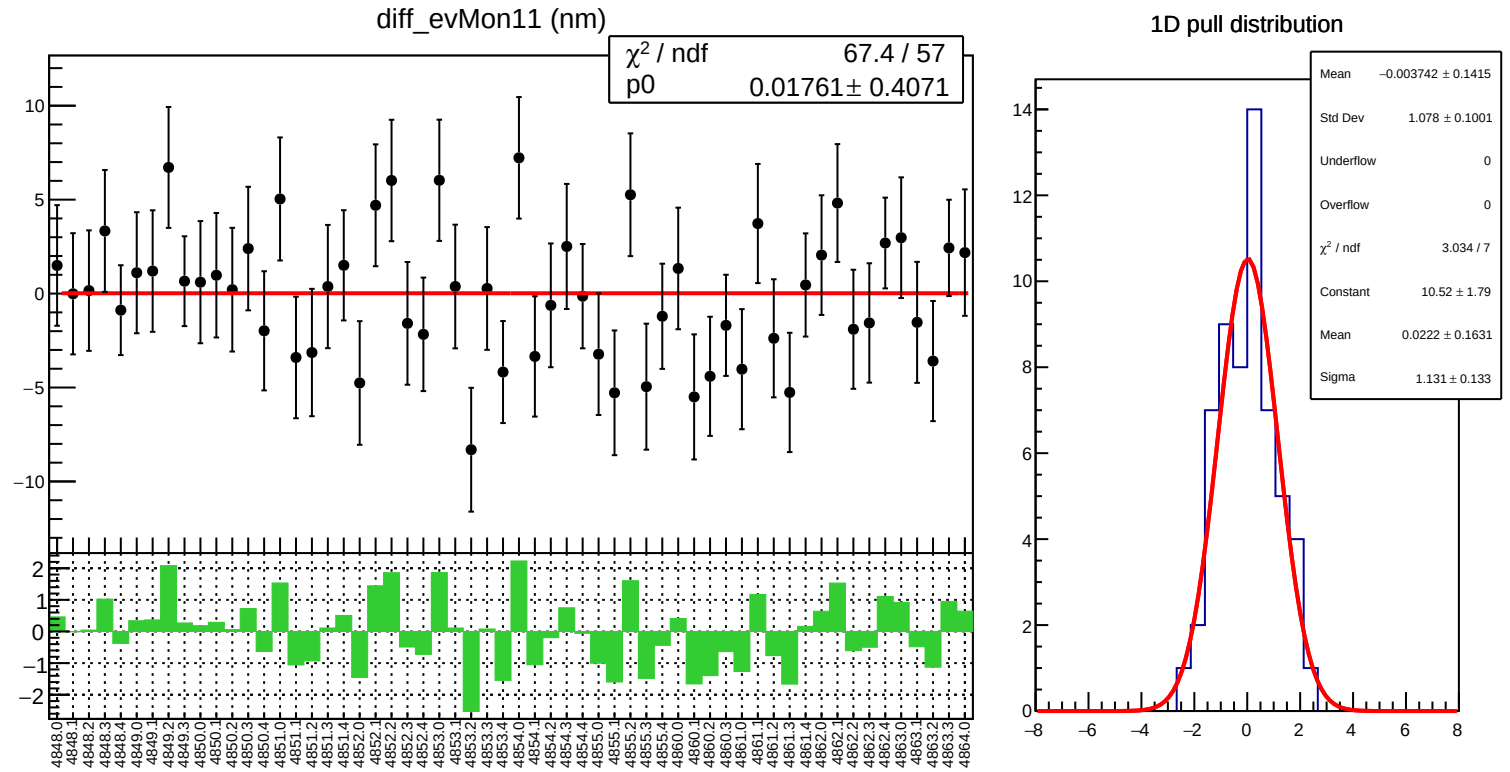

diff_evMon8 RMS (um)
RMS (um)
0.46
0.45
0.44
0.43
0.42
0.41
0.4
0.39
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

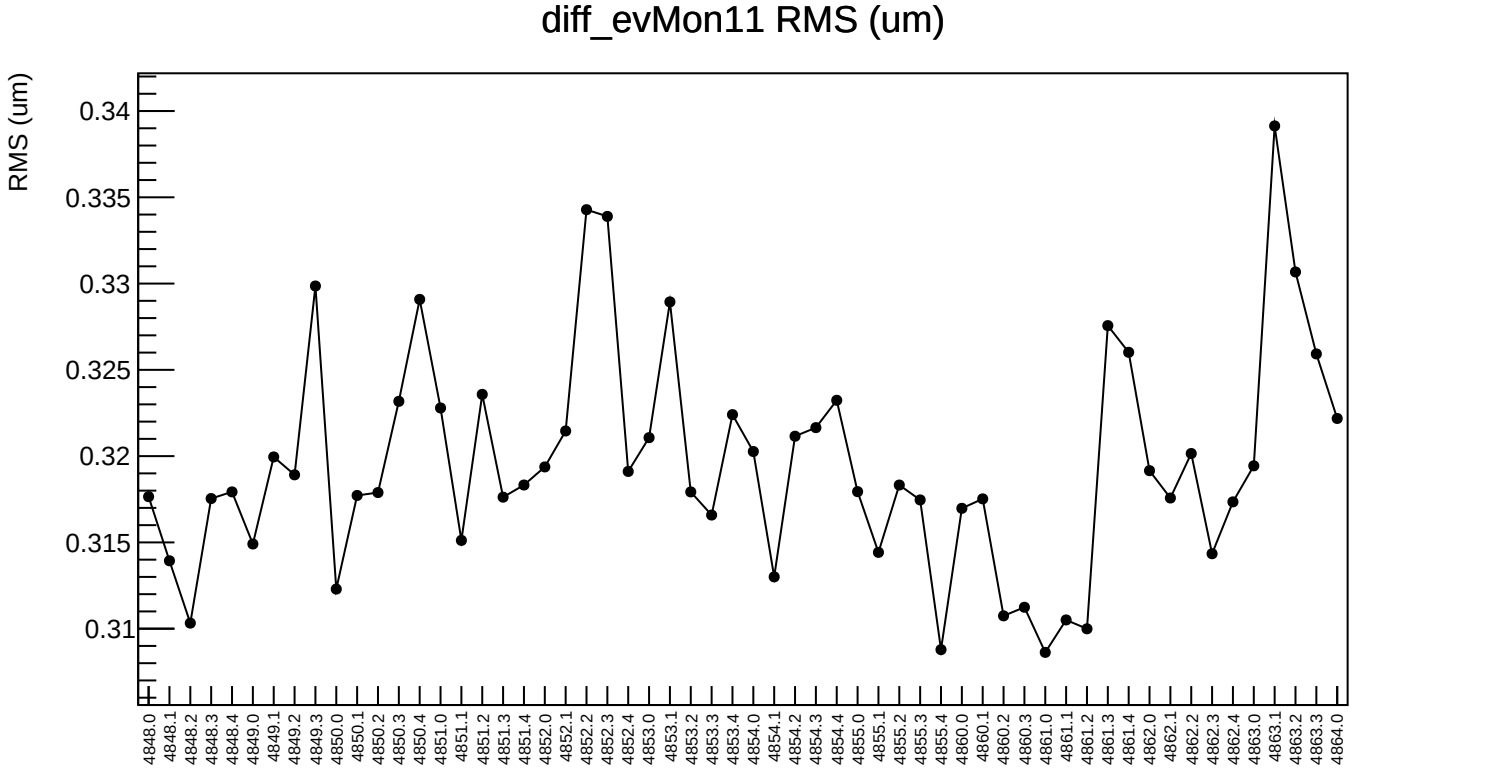

diff_evMon9 (nm)
χ² / ndf 61.63 / 57
p0 0.9222 ± 0.5072
1D pull distribution
Mean 0.01298 ± 0.1353
Std Dev 1.031 ± 0.0957
Underflow 0
Overflow 0
χ² / ndf 2.36 / 7
Constant 11.05 ± 2.00
Mean 0.01614 ± 0.15318
Sigma 1.086 ± 0.145

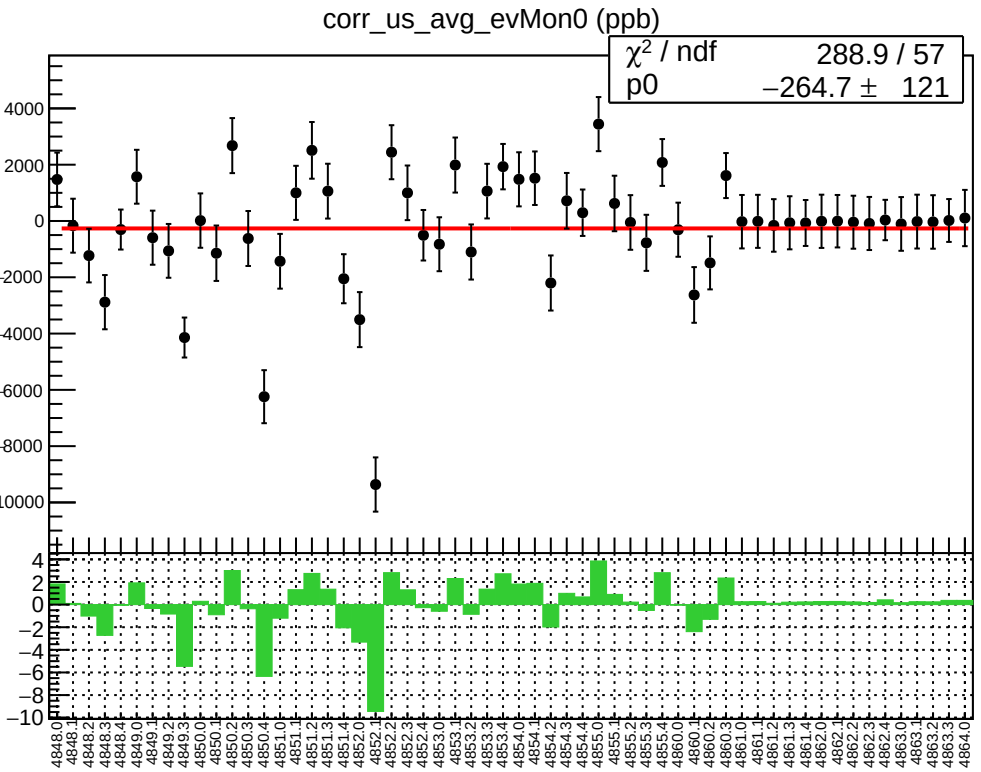

diff_evMon9 RMS (um)
RMS (um)
0.395
0.39
0.385
0.38
0.375
0.37
0.365
0.36
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

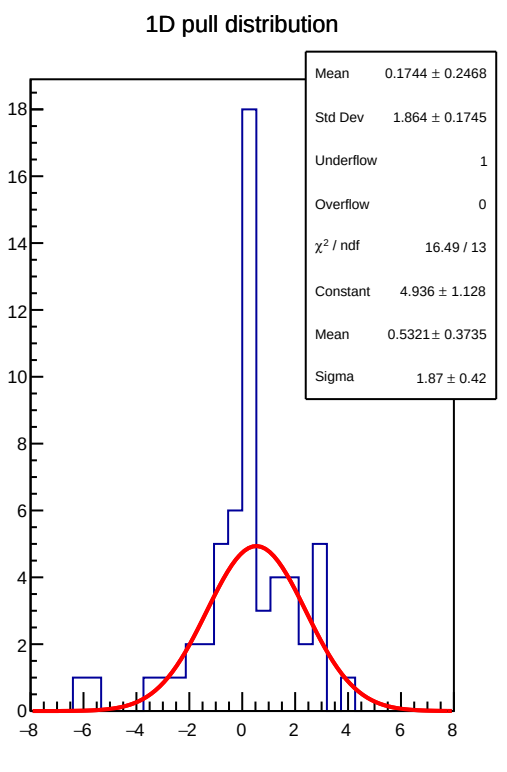

diff_evMon10 (nm)
χ² / ndf 36.89 / 57
p0 −0.1491 ± 0.4811
1D pull distribution
Mean −0.003649 ± 0.1047
Std Dev 0.7975 ± 0.07405
Underflow 0
Overflow 0
χ² / ndf 8.557 / 5
Constant 14.86 ± 4.66
Mean 0.1114 ± 0.1264
Sigma 0.7196 ± 0.2172

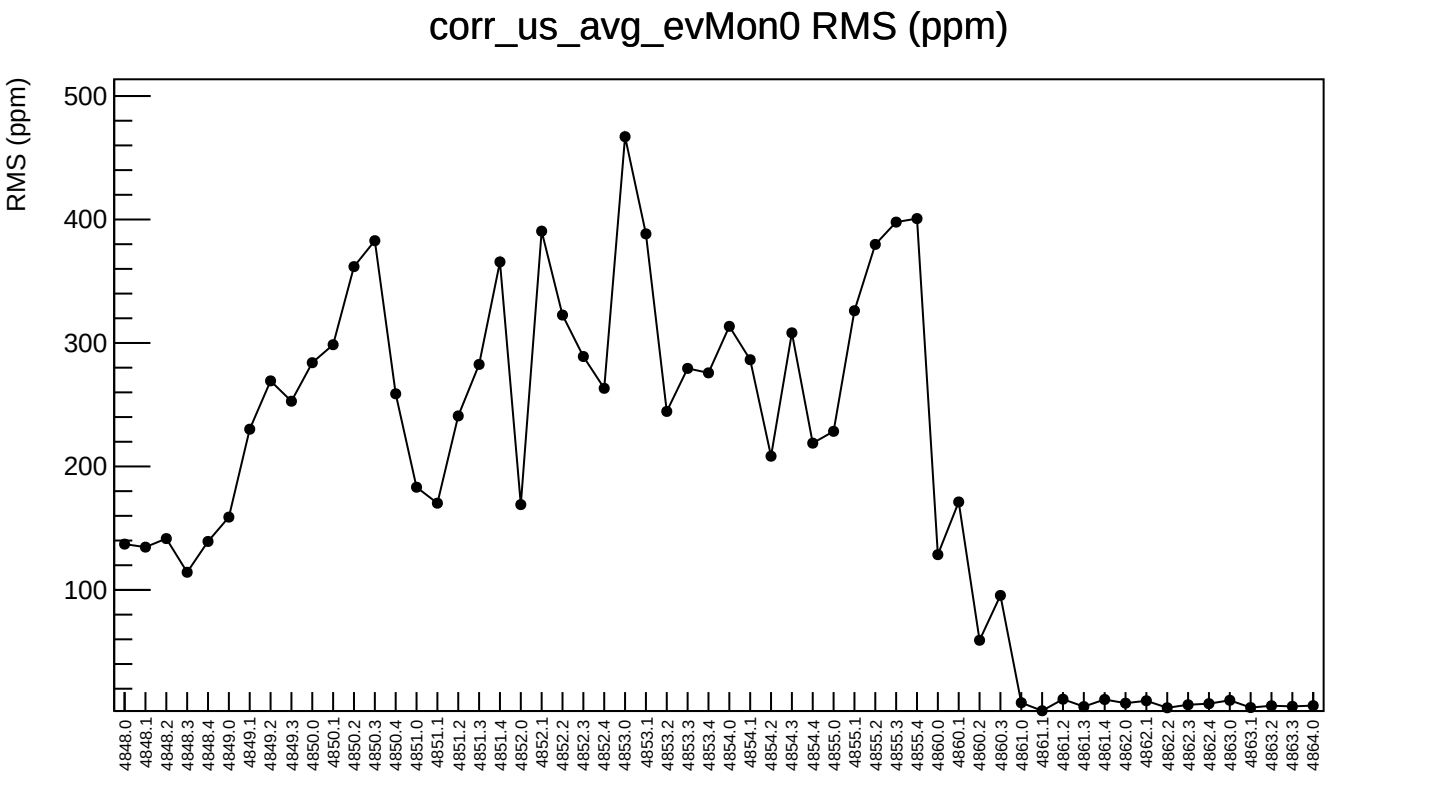

diff_evMon10 RMS (um)
RMS (um)
0.37
0.365
0.36
0.355
0.35
0.345
0.34
0.335
0.33
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

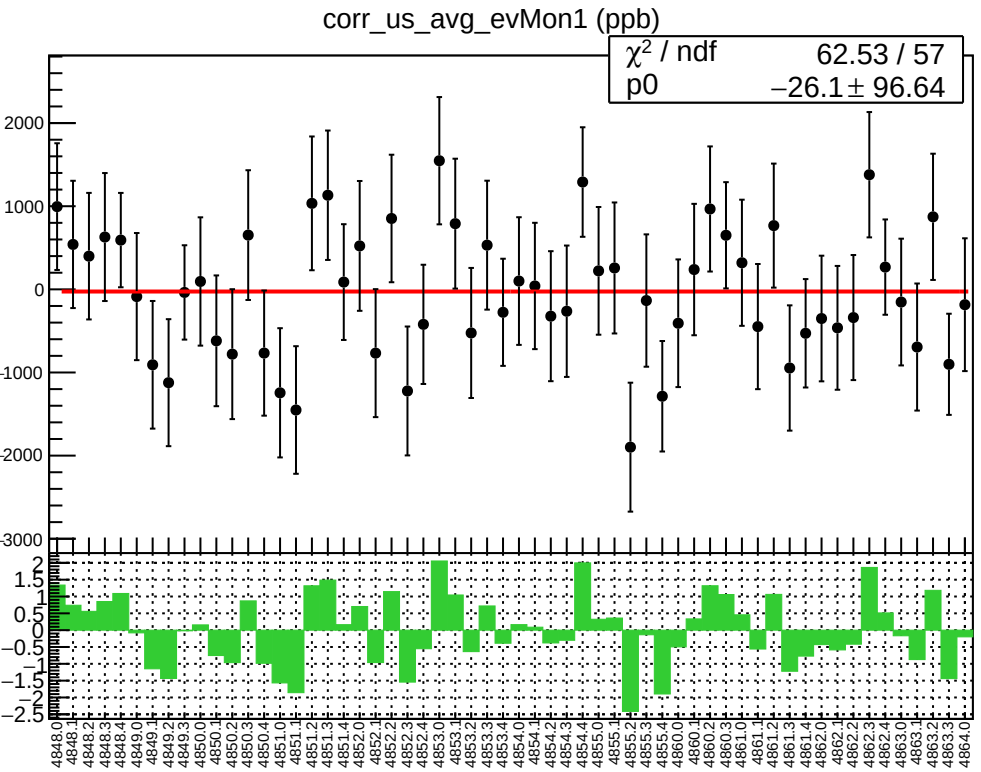

diff_evMon11 (nm)
χ² / ndf 67.4 / 57
p0 0.01761± 0.4071
1D pull distribution
Mean −0.003742 ± 0.1415
Std Dev 1.078 ± 0.1001
Underflow 0
Overflow 0
χ² / ndf 3.034 / 7
Constant 10.52 ± 1.79
Mean 0.0222 ± 0.1631
Sigma 1.131 ± 0.133

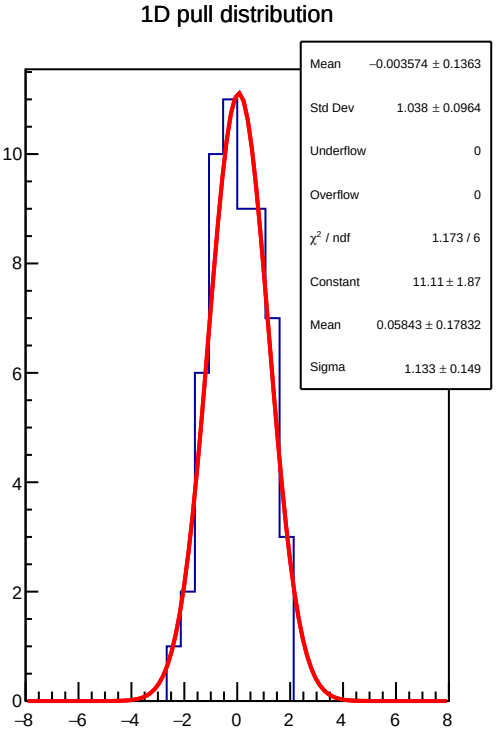

diff_evMon11 RMS (um)
RMS (um)
0.34
0.335
0.33
0.325
0.32
0.315
0.31
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

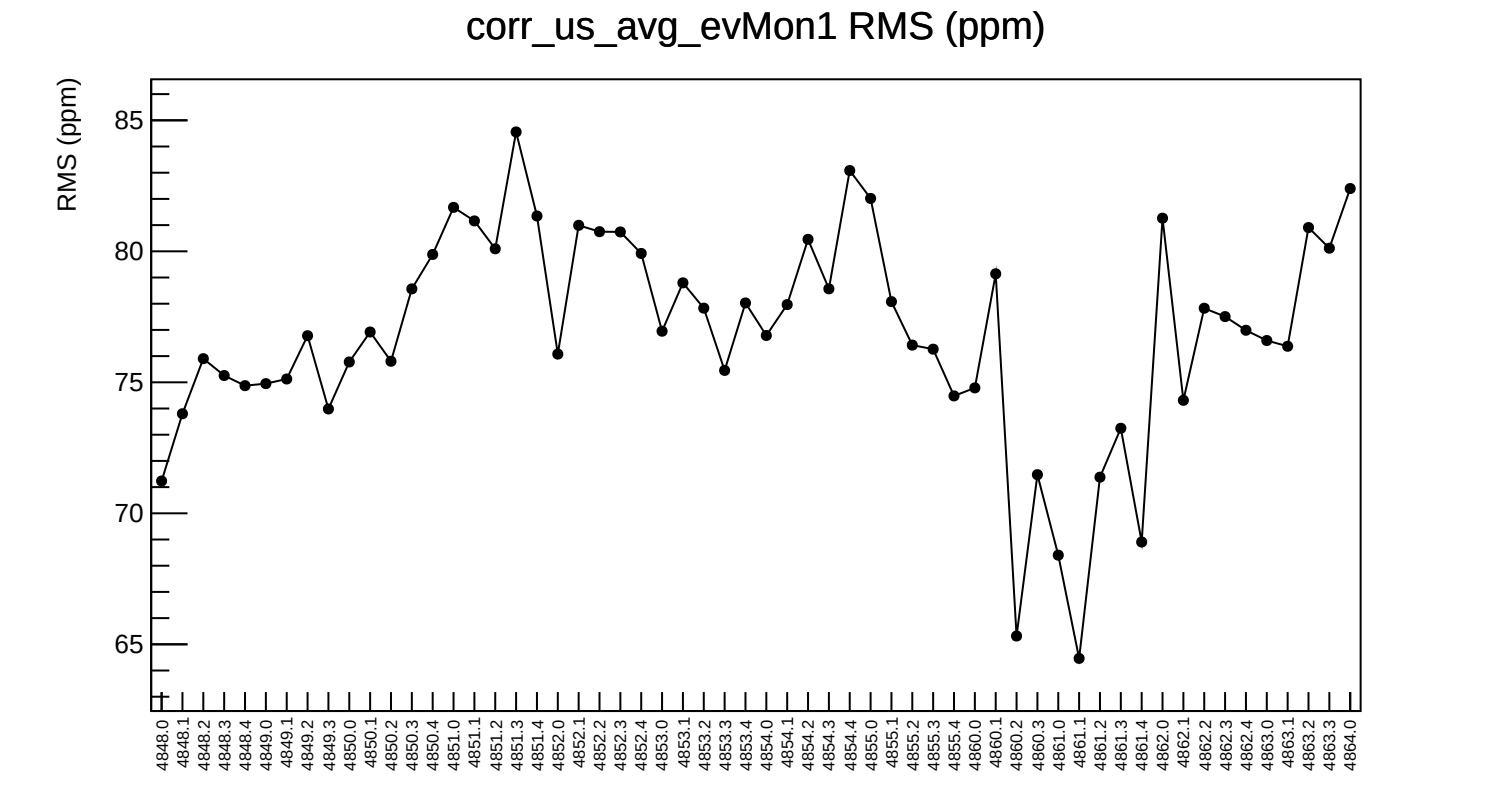

corr_us_avg_evMon0 (ppb)
χ² / ndf 288.9 / 57
p0 −264.7 ± 121

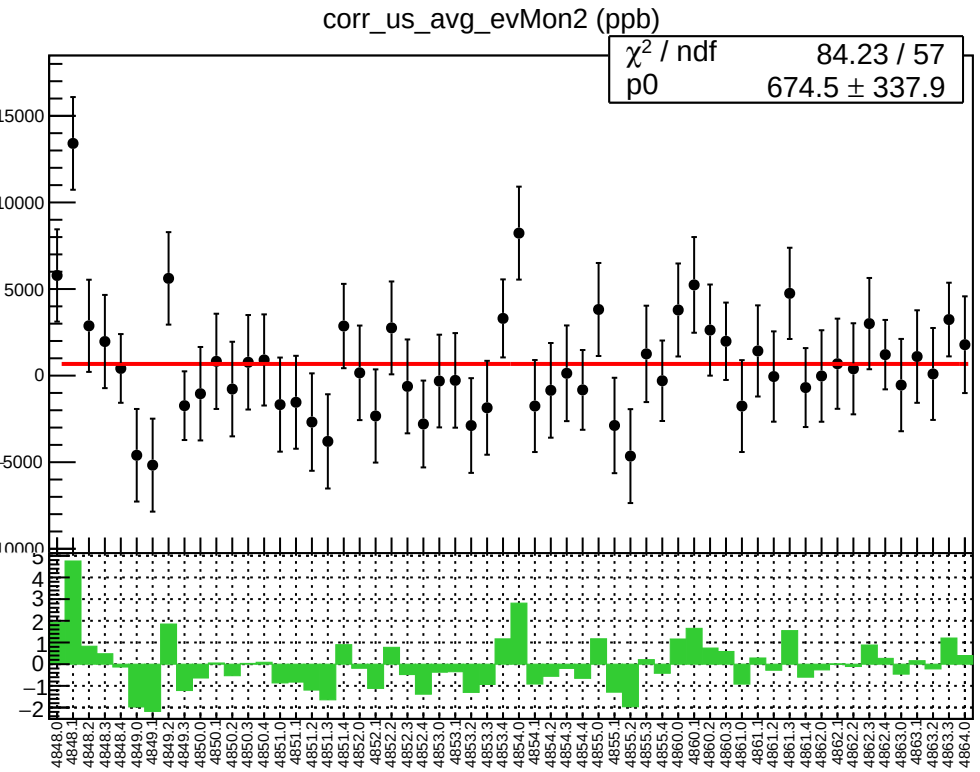

1D pull distribution
Mean 0.1744 ± 0.2468
Std Dev 1.864 ± 0.1745
Underflow 1
Overflow 0
χ² / ndf 16.49 / 13
Constant 4.936 ± 1.128
Mean 0.5321 ± 0.3735
Sigma 1.87 ± 0.42

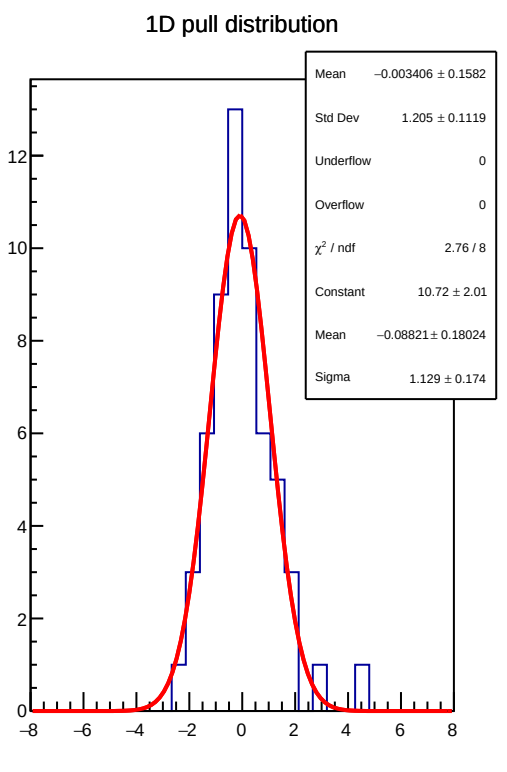

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
500
400
300
200
100
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

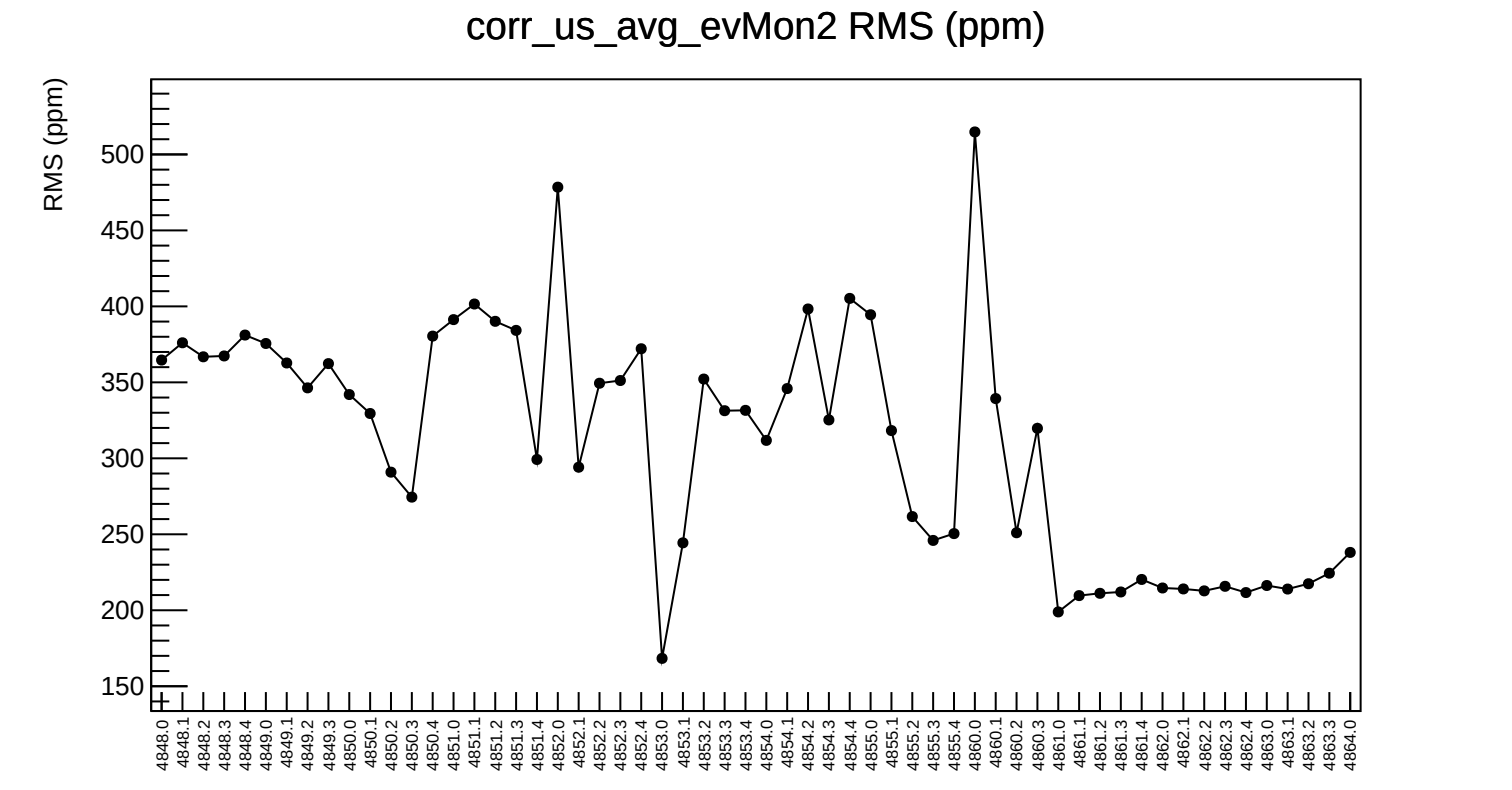

corr_us_avg_evMon1 (ppb)
χ² / ndf 62.53 / 57
p0 −26.1 ± 96.64
2000
1000
0
−1000
−2000
−3000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

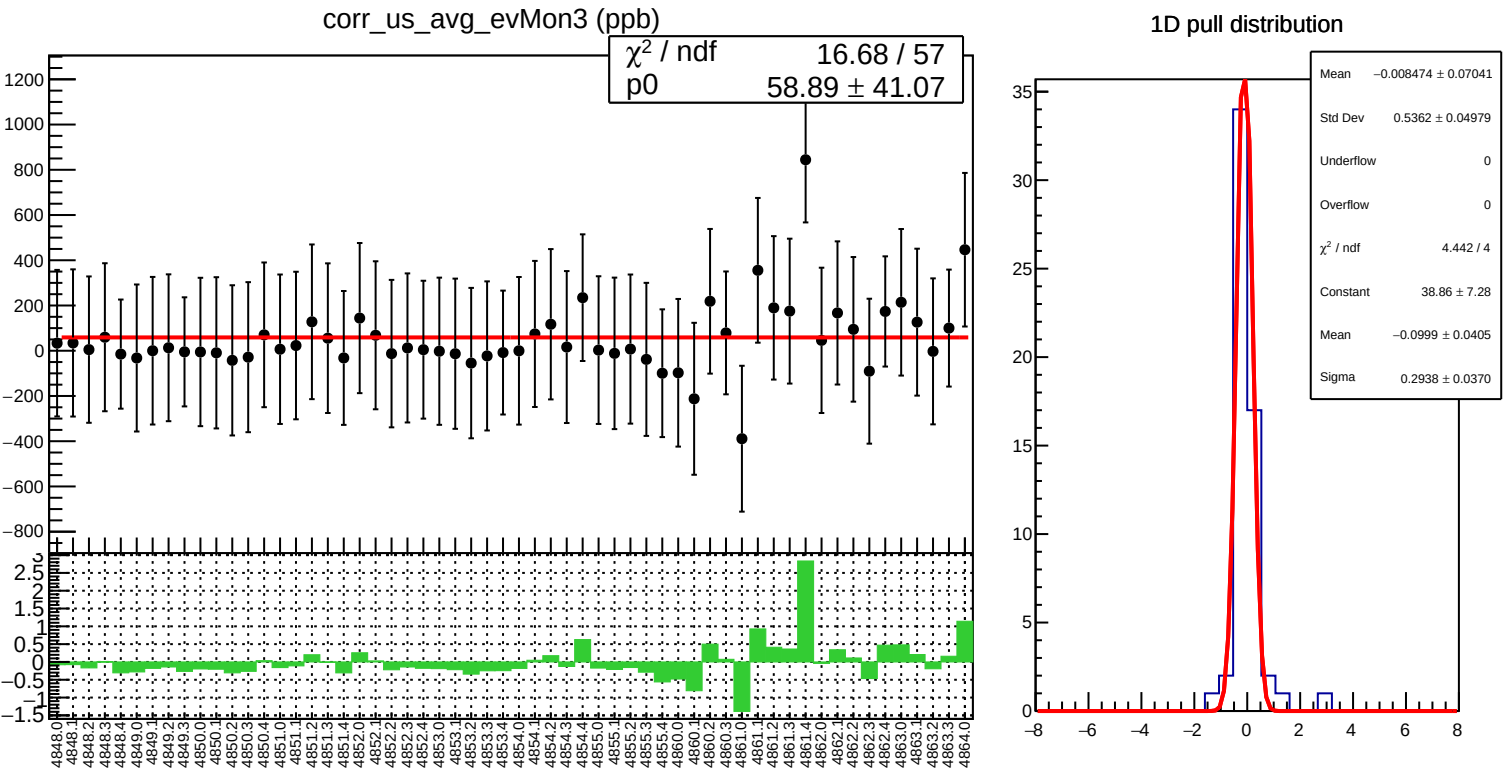

1D pull distribution
Mean −0.003574 ± 0.1363
Std Dev 1.038 ± 0.0964
Underflow 0
Overflow 0
χ² / ndf 1.173 / 6
Constant 11.11 ± 1.87
Mean 0.05843 ± 0.17832
Sigma 1.133 ± 0.149
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

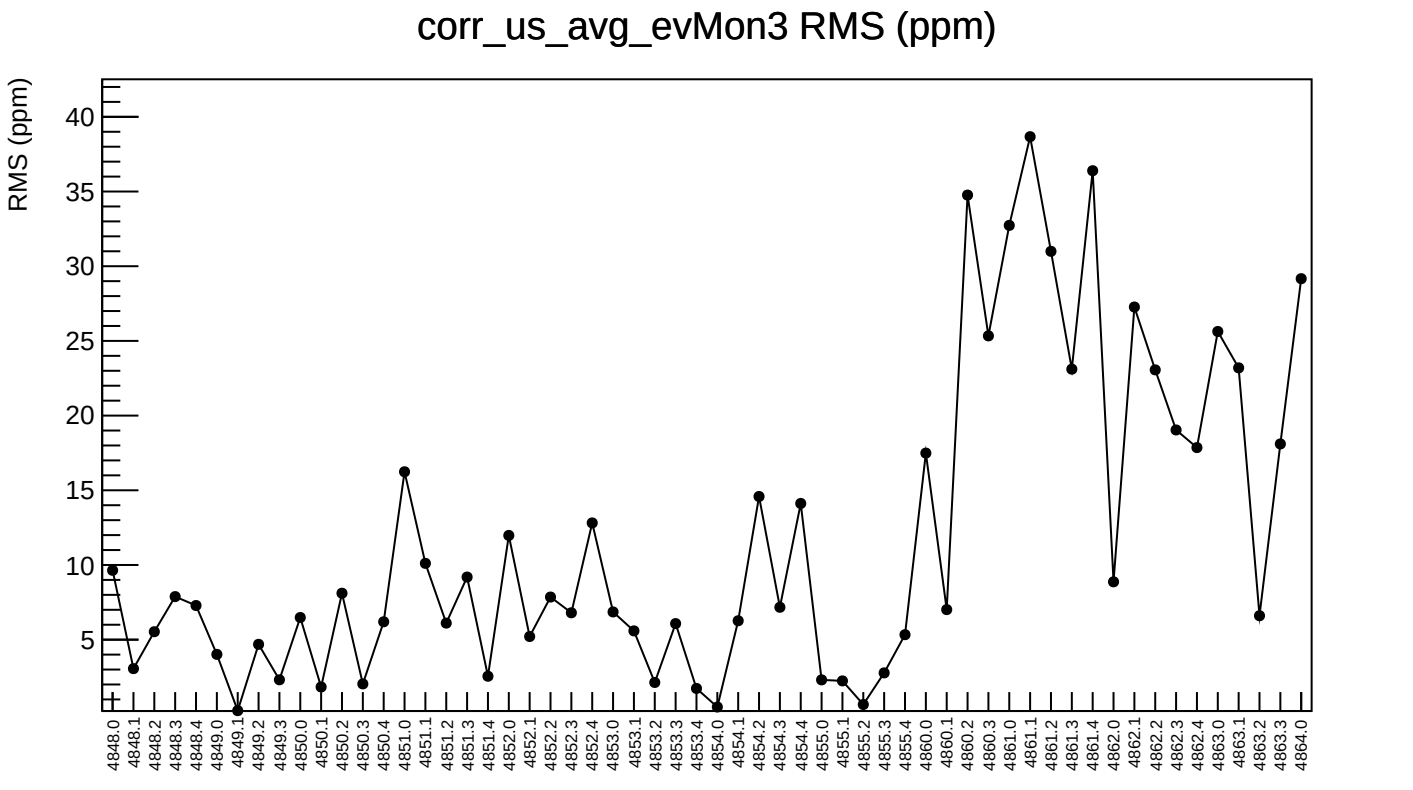

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
85
80
75
70
65
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

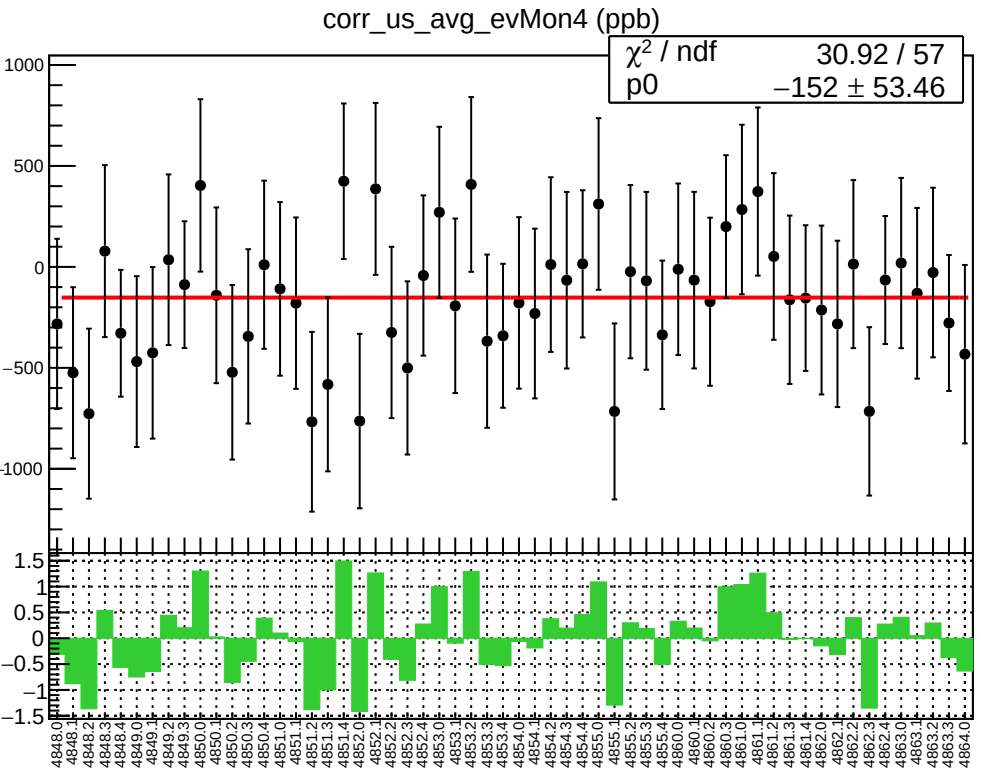

corr_us_avg_evMon2 (ppb)
χ² / ndf 84.23 / 57
p0 674.5 ± 337.9
15000
10000
5000
0
-5000
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

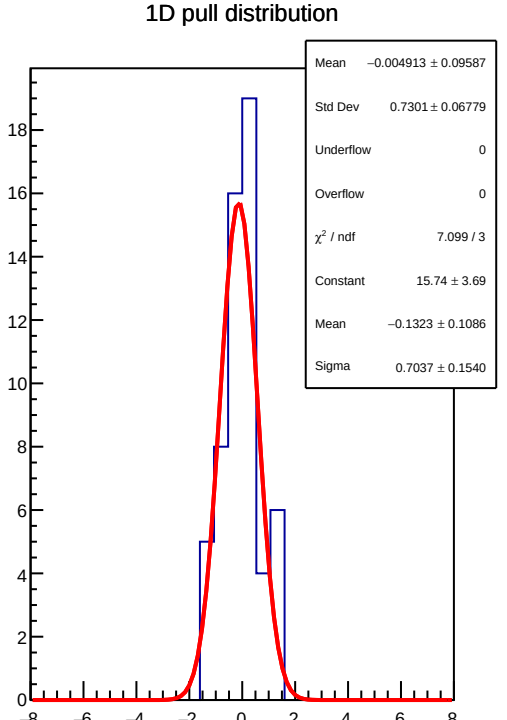

1D pull distribution
Mean −0.003406 ± 0.1582
Std Dev 1.205 ± 0.1119
Underflow 0
Overflow 0
χ² / ndf 2.76 / 8
Constant 10.72 ± 2.01
Mean −0.08821 ± 0.18024
Sigma 1.129 ± 0.174
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

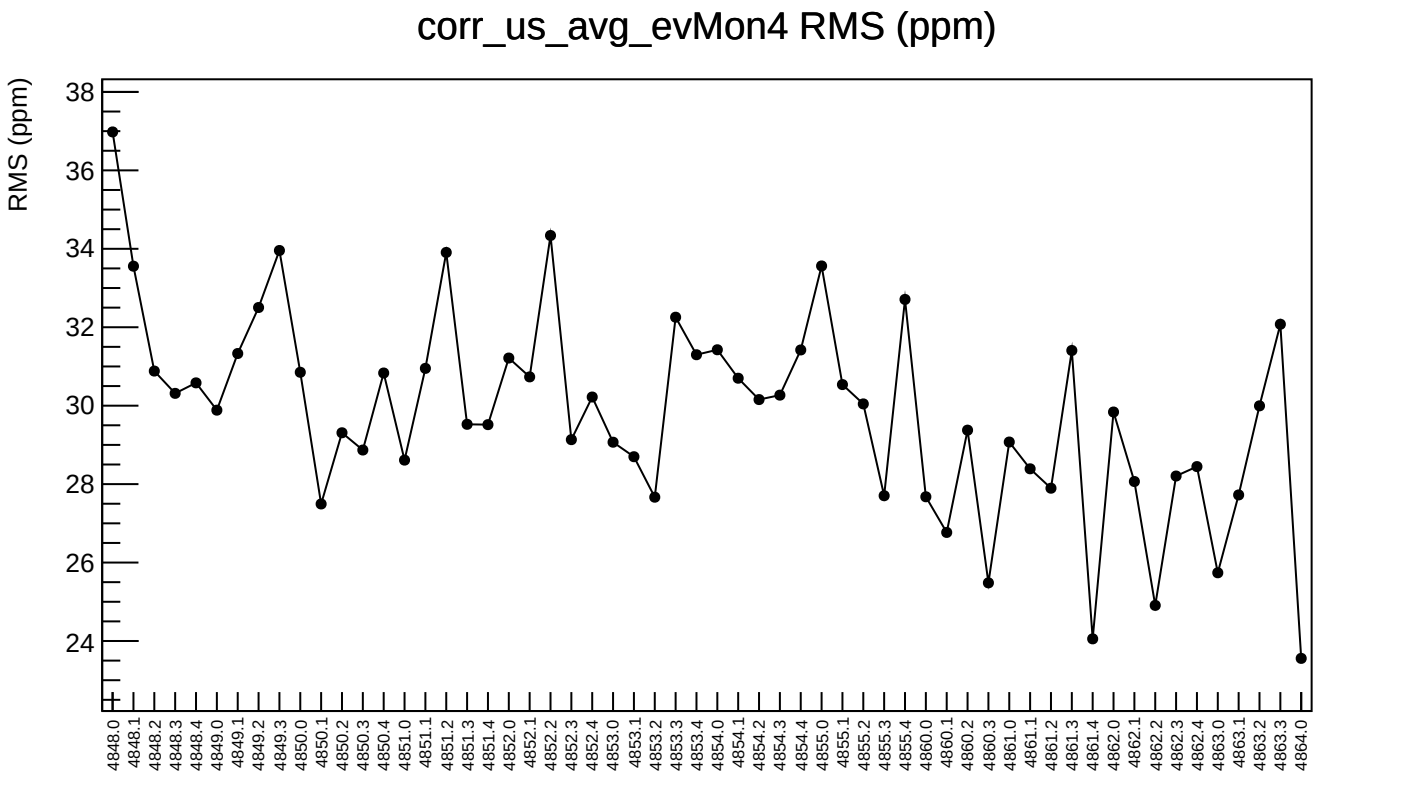

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
500
450
400
350
300
250
200
150
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_avg_evMon3 (ppb)
χ² / ndf 16.68 / 57
p0 58.89 ± 41.07
1200
1000
800
600
400
200
0
−200
−400
−600
−800
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0
1D pull distribution
Mean −0.008474 ± 0.07041
Std Dev 0.5362 ± 0.04979
Underflow 0
Overflow 0
χ² / ndf 4.442 / 4
Constant 38.86 ± 7.28
Mean −0.0999 ± 0.0405
Sigma 0.2938 ± 0.0370
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
40
35
30
25
20
15
10
5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_avg_evMon4 (ppb)
χ² / ndf 30.92 / 57
p0 −152 ± 53.46
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


1D pull distribution
Mean −0.004913 ± 0.09587
Std Dev 0.7301 ± 0.06779
Underflow 0
Overflow 0
χ² / ndf 7.099 / 3
Constant 15.74 ± 3.69
Mean −0.1323 ± 0.1086
Sigma 0.7037 ± 0.1540
18
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)
38
36
34
32
30
28
26
24
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
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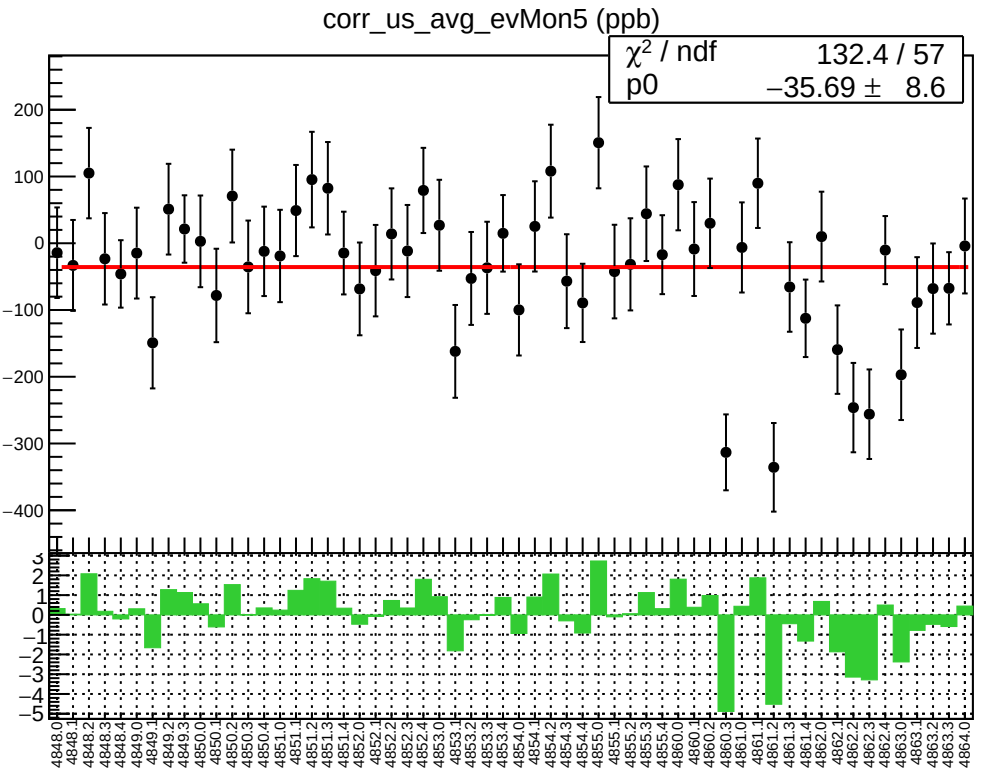
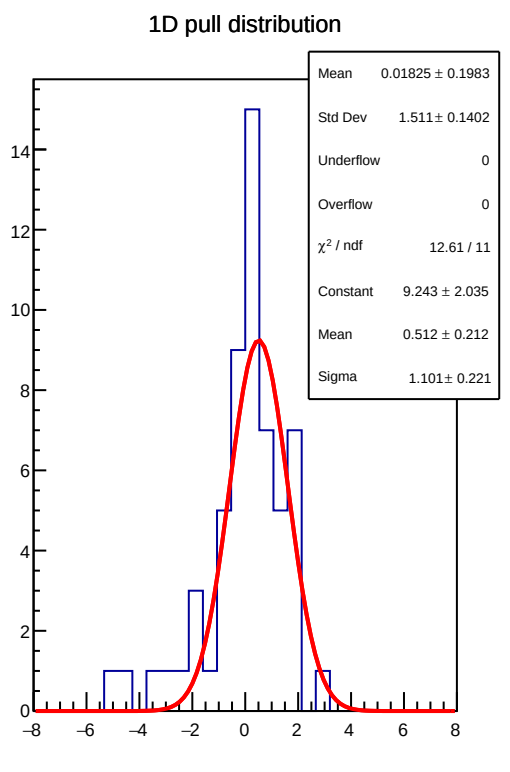
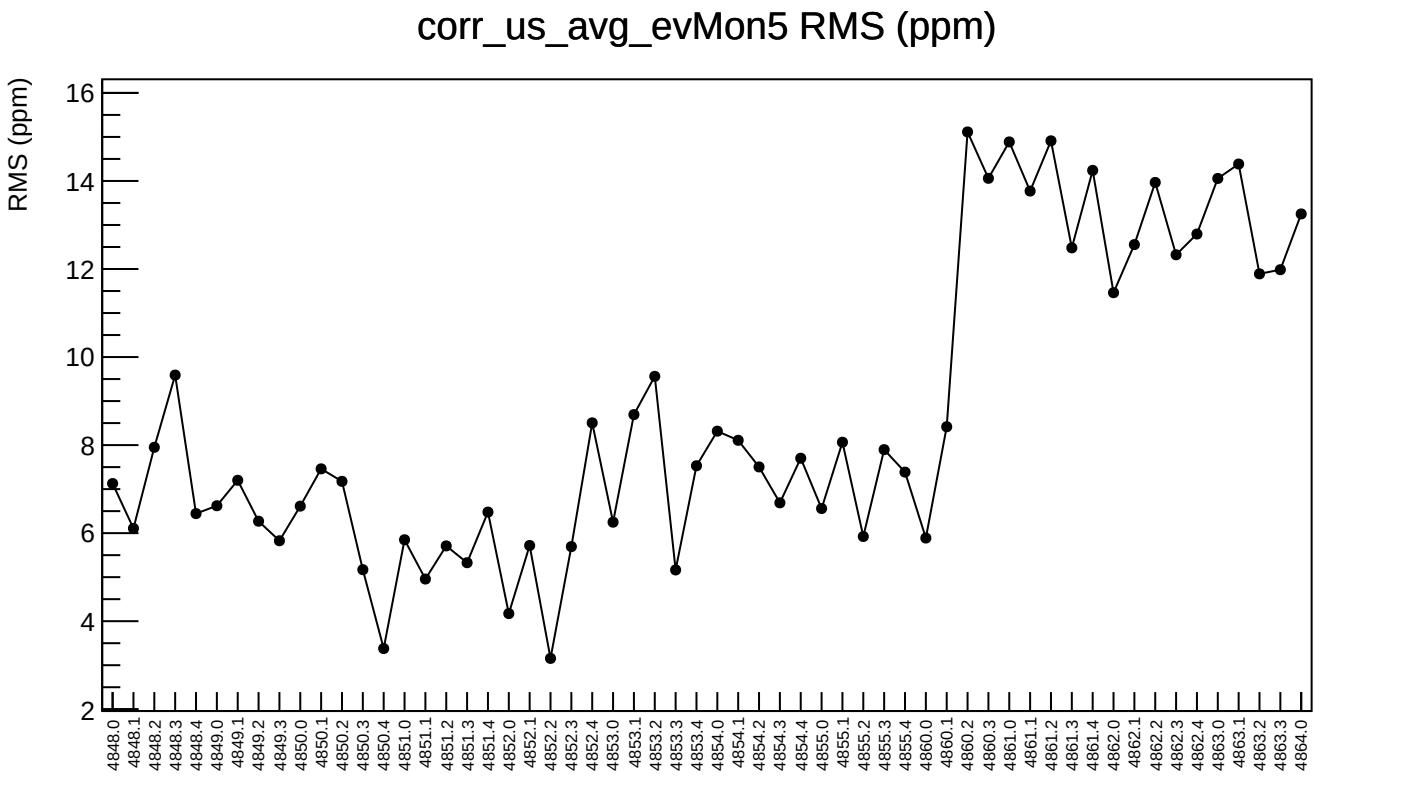
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_avg_evMon5 (ppb)
χ² / ndf 132.4 / 57
p0 −35.69 ± 8.6


1D pull distribution
Mean 0.01825 ± 0.1983
Std Dev 1.511± 0.1402
Underflow 0
Overflow 0
χ² / ndf 12.61 / 11
Constant 9.243 ± 2.035
Mean 0.512 ± 0.212
Sigma 1.101± 0.221


corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
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4862.2
4862.3
4862.4
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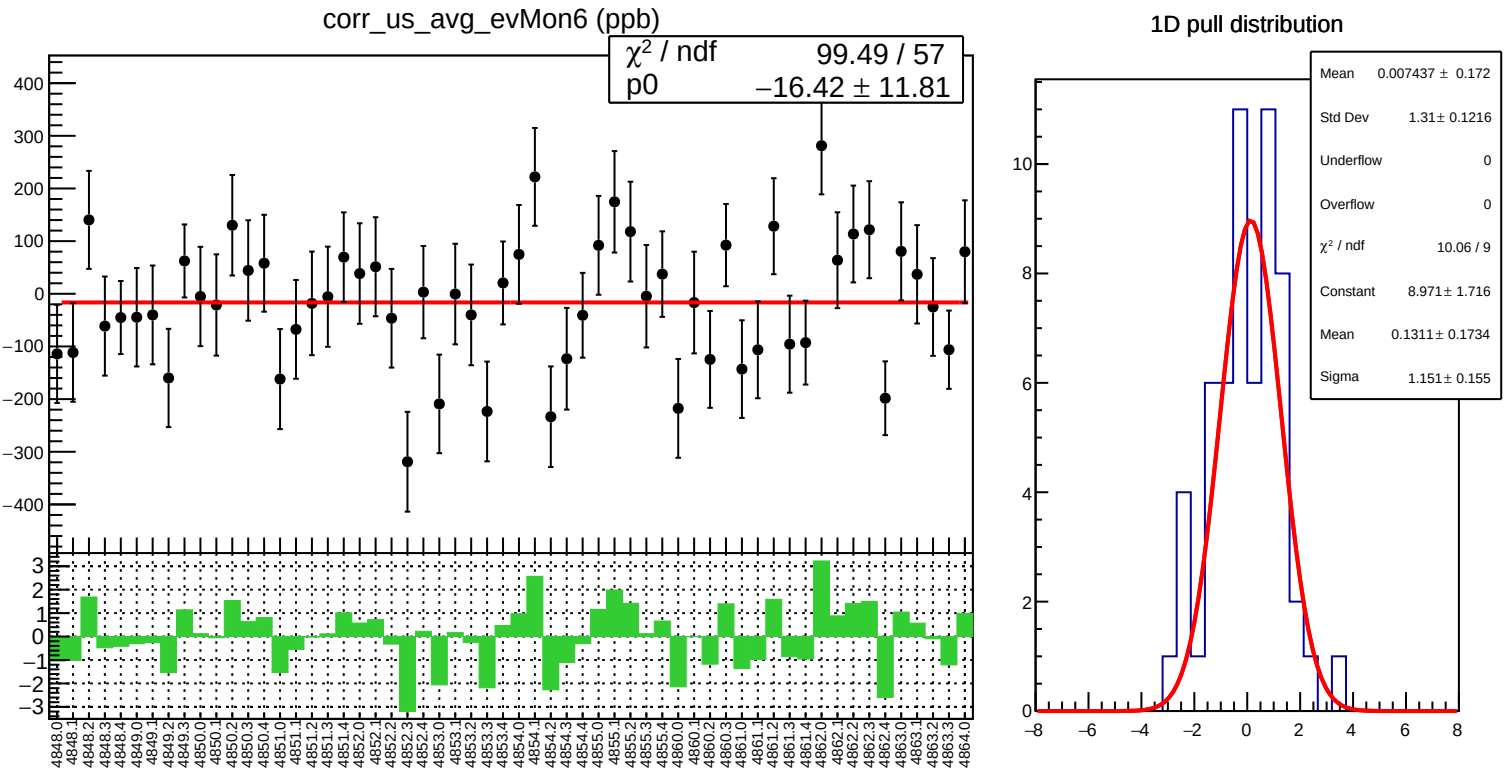
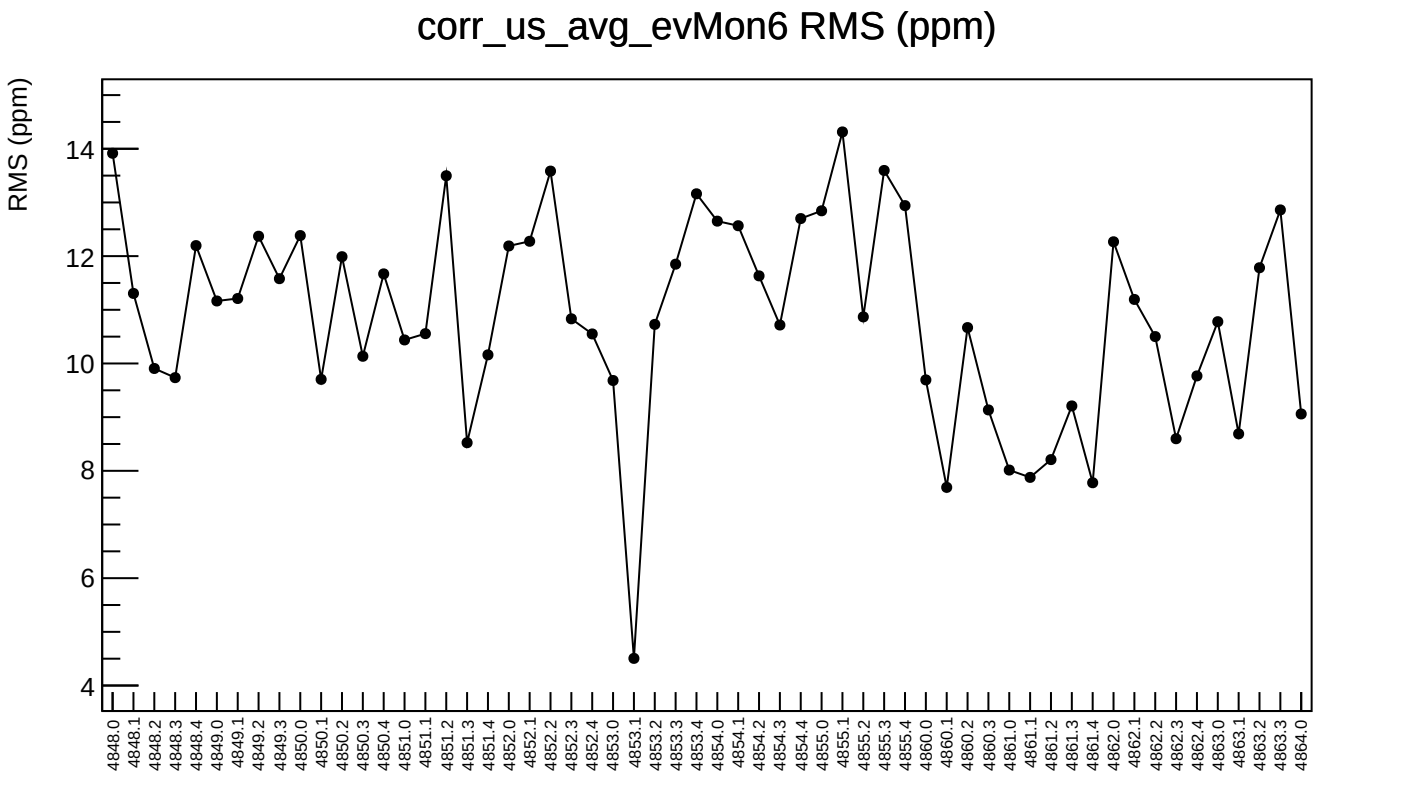
4863.2
4863.3
4864.0


corr_us_avg_evMon6 (ppb)
χ² / ndf 99.49 / 57
p0 −16.42 ± 11.81
1D pull distribution
Mean 0.007437 ± 0.172
Std Dev 1.31± 0.1216
Underflow 0
Overflow 0
χ² / ndf 10.06 / 9
Constant 8.971± 1.716
Mean 0.1311± 0.1734
Sigma 1.151± 0.155


corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
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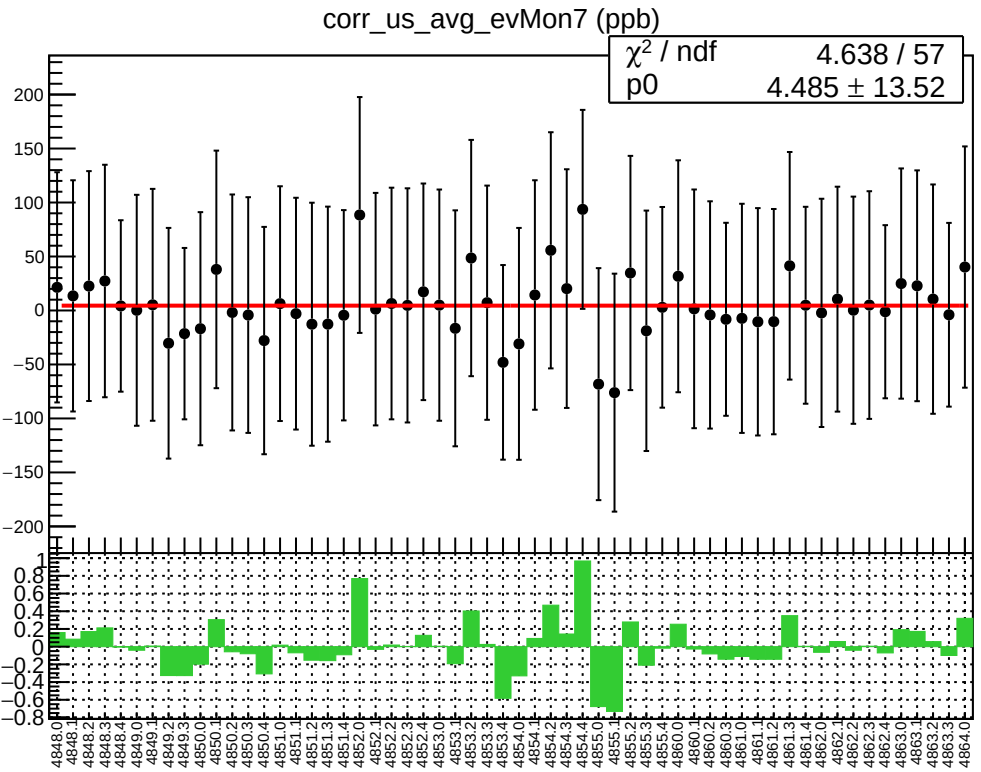
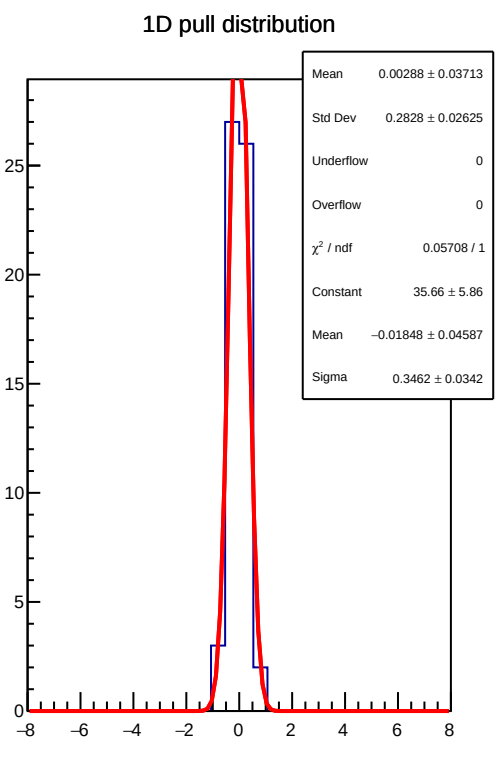
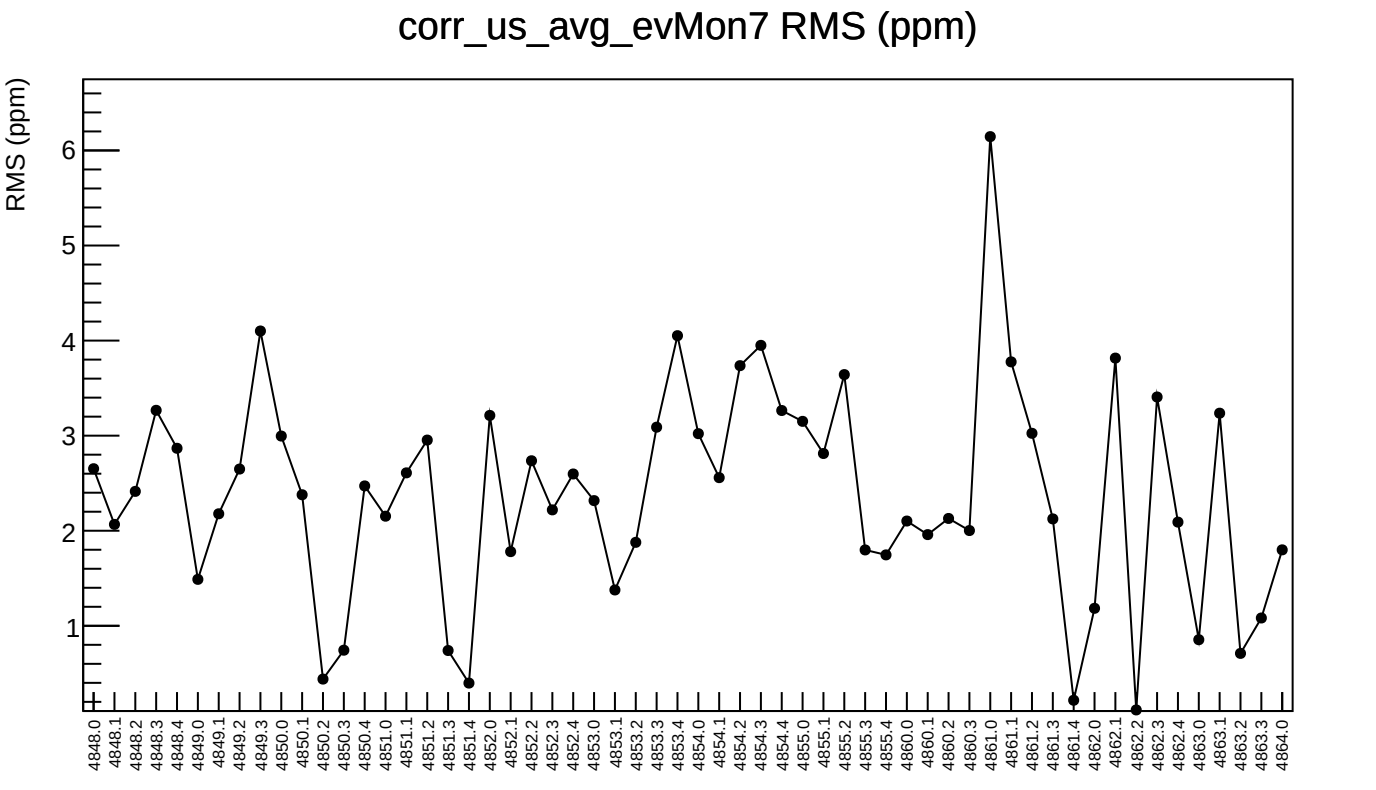
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_avg_evMon7 (ppb)
χ² / ndf 4.638 / 57
p0 4.485 ± 13.52


1D pull distribution
Mean 0.00288 ± 0.03713
Std Dev 0.2828 ± 0.02625
Underflow 0
Overflow 0
χ² / ndf 0.05708 / 1
Constant 35.66 ± 5.86
Mean −0.01848 ± 0.04587
Sigma 0.3462 ± 0.0342


corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
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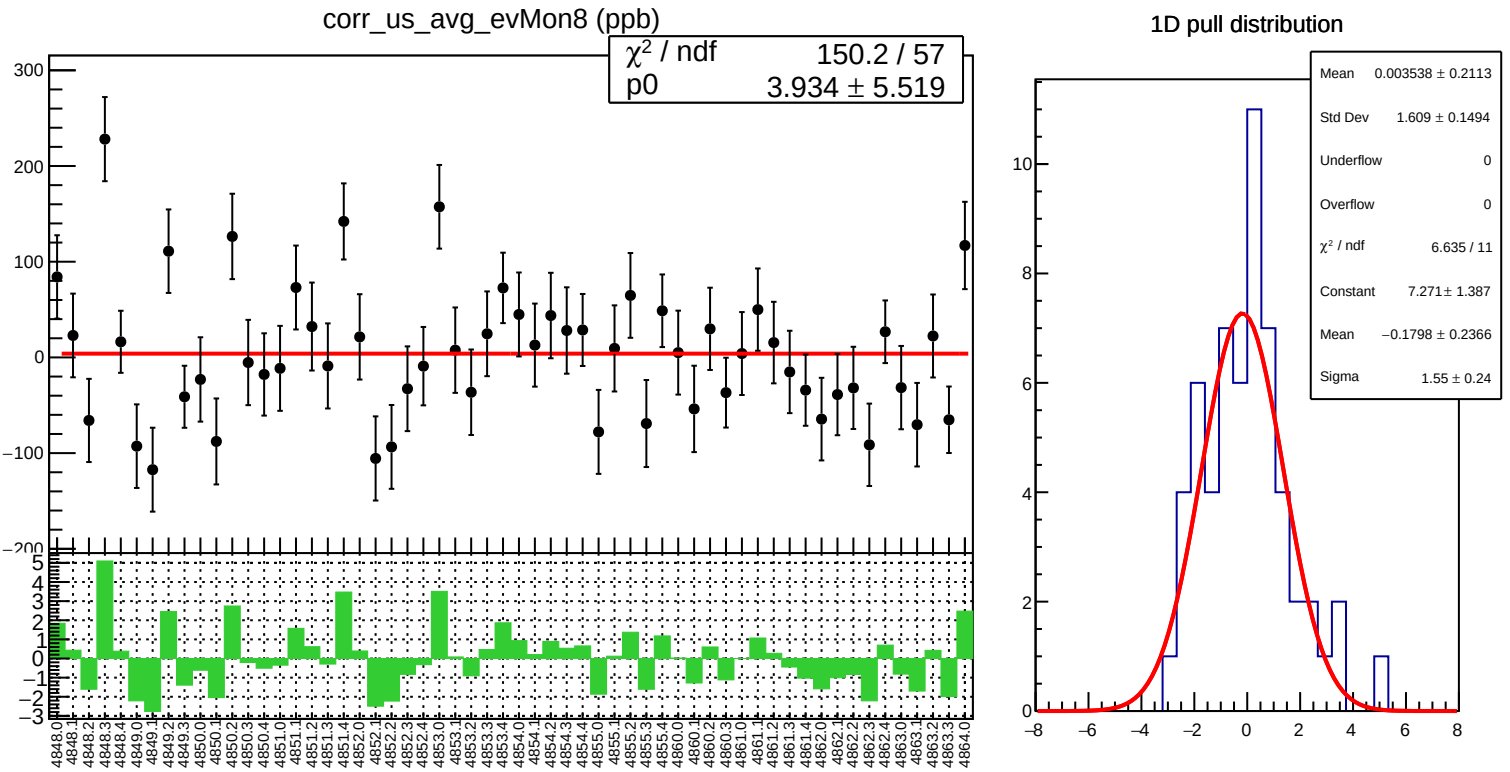
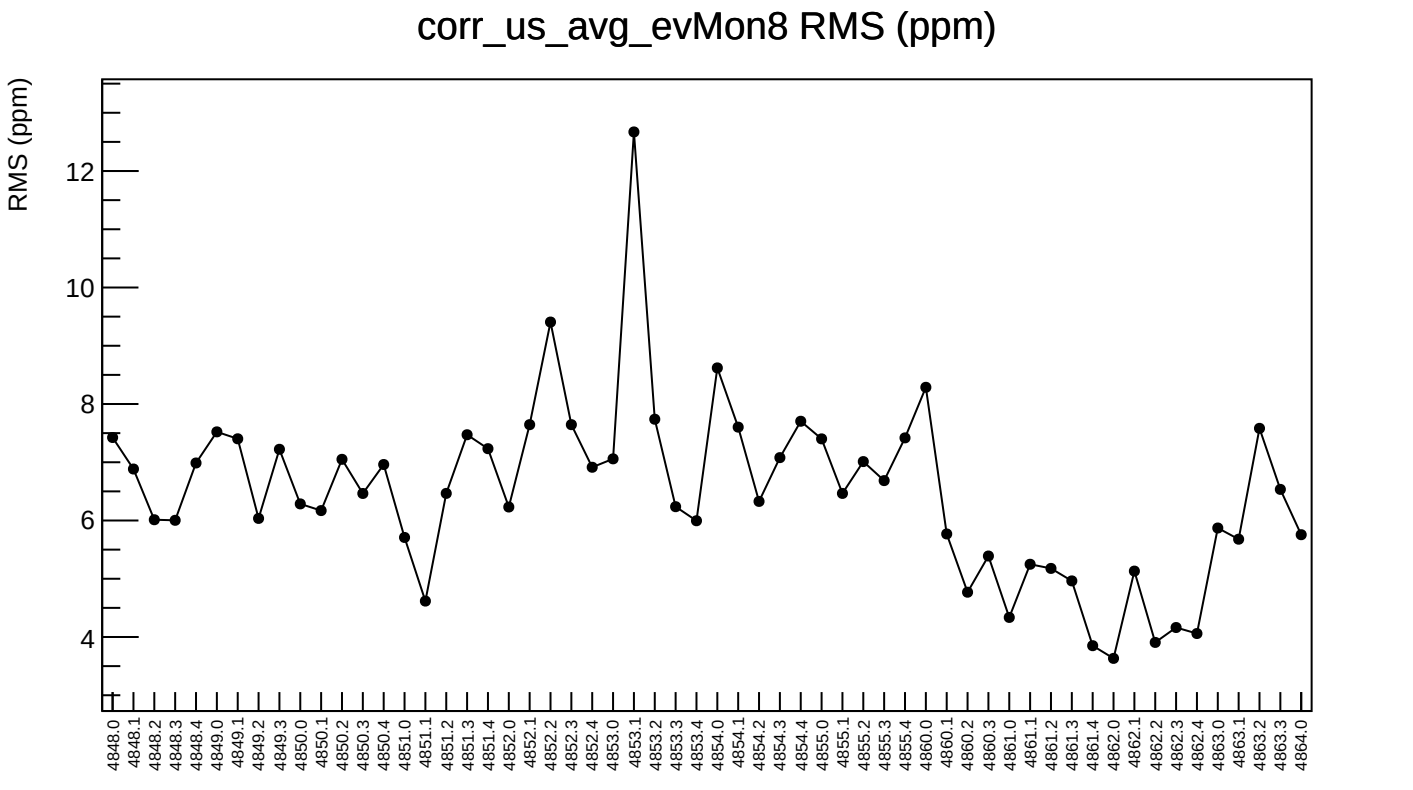
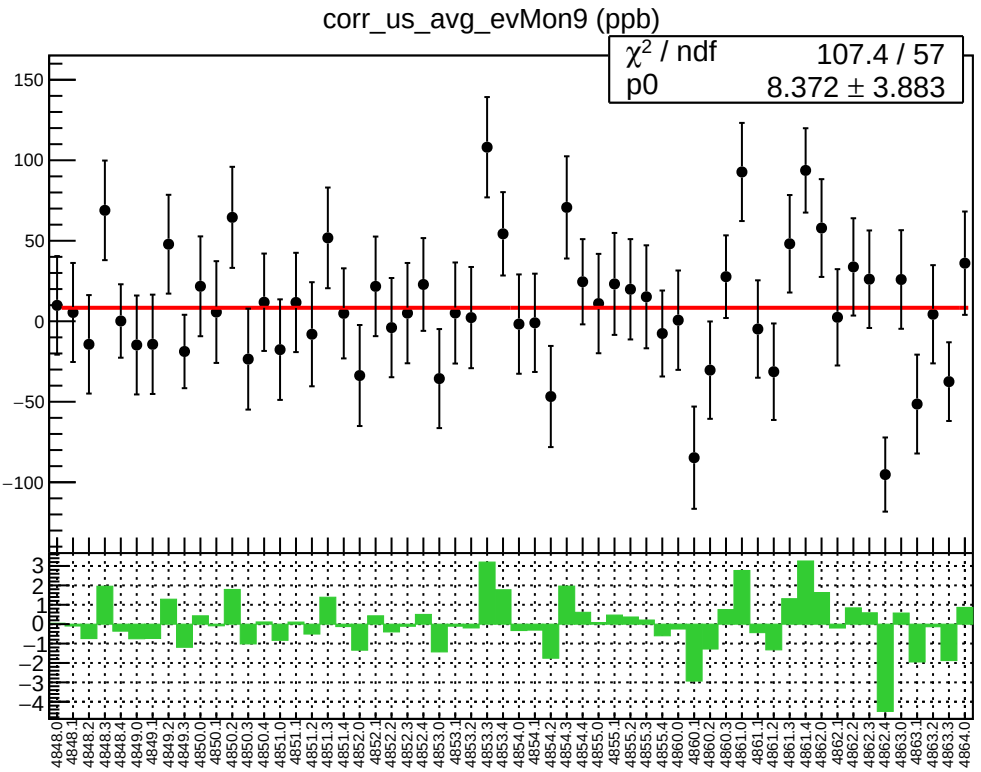
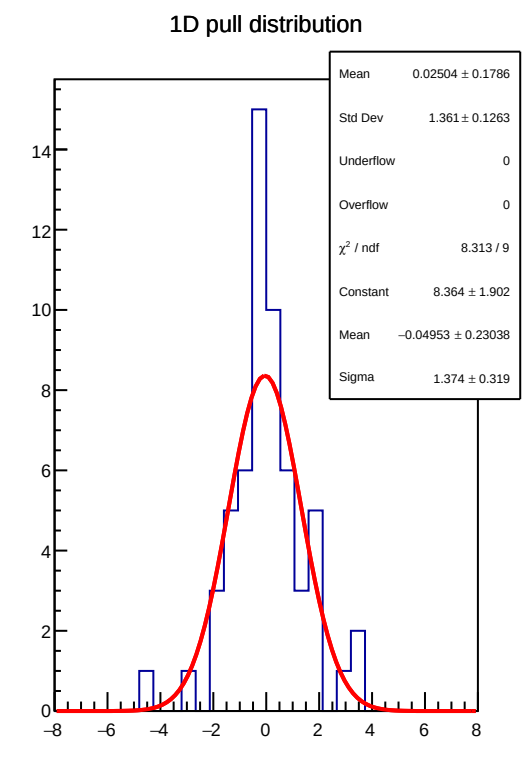
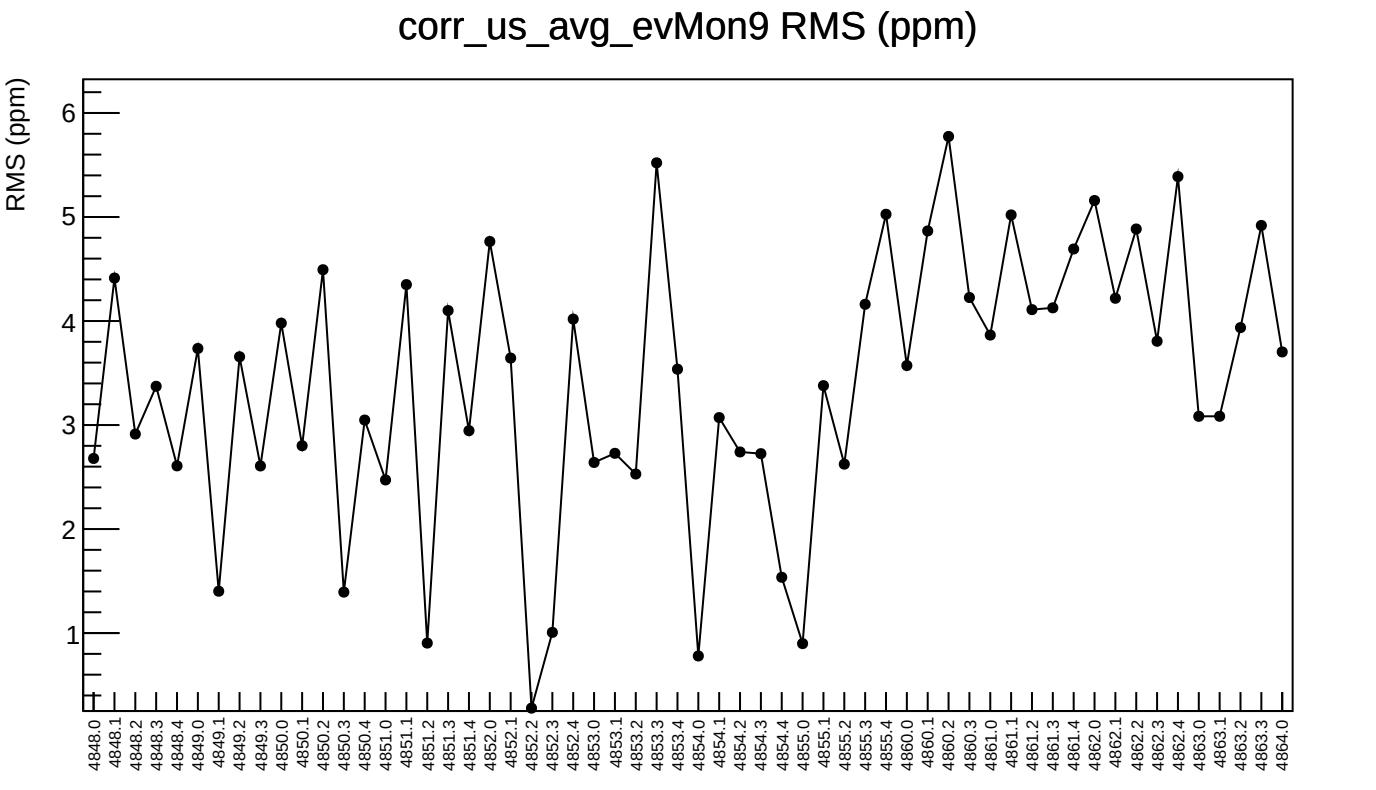
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

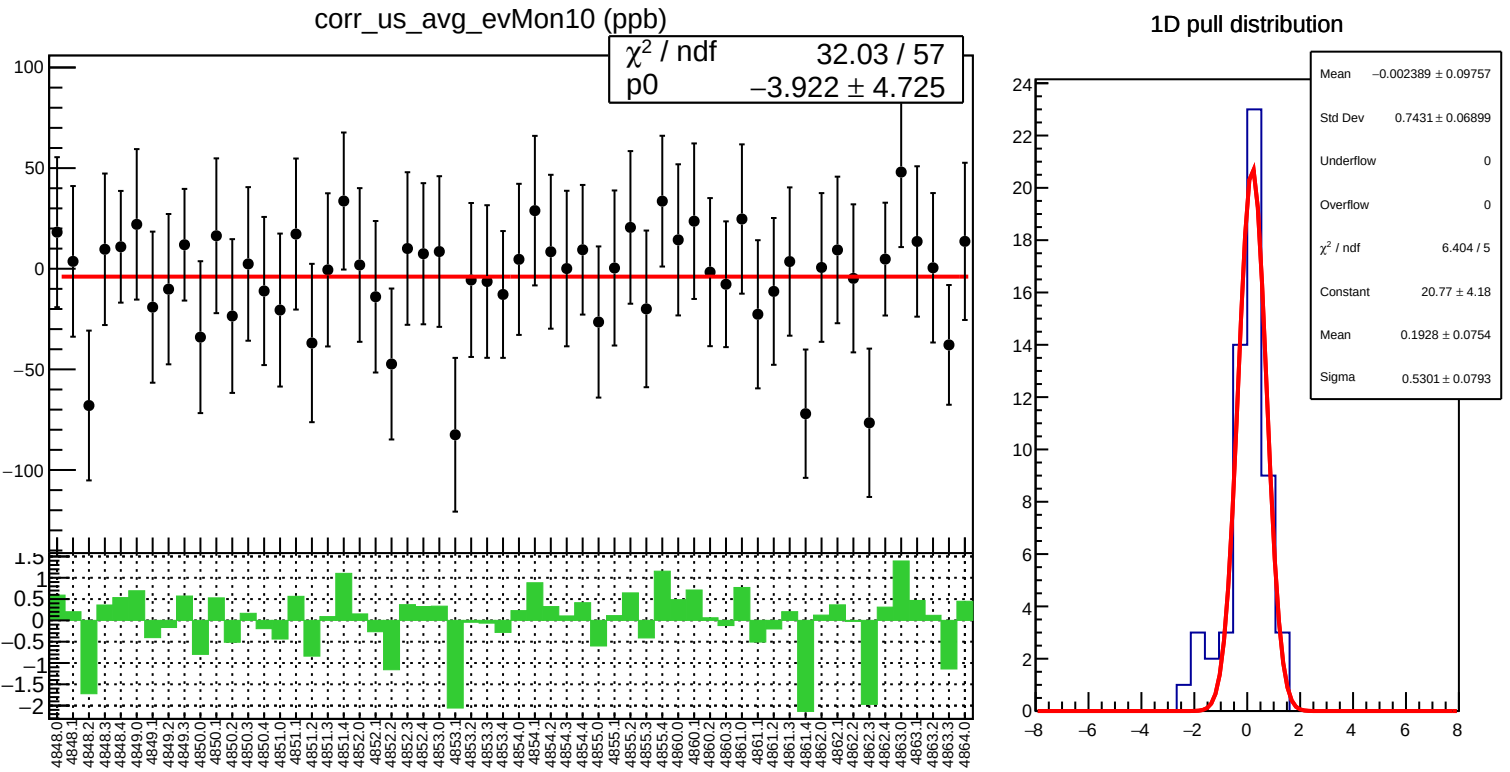

corr_us_avg_evMon8 (ppb)
χ² / ndf 150.2 / 57
p0 3.934 ± 5.519
1D pull distribution
Mean 0.003538 ± 0.2113
Std Dev 1.609 ± 0.1494
Underflow 0
Overflow 0
χ² / ndf 6.635 / 11
Constant 7.271± 1.387
Mean −0.1798 ± 0.2366
Sigma 1.55 ± 0.24

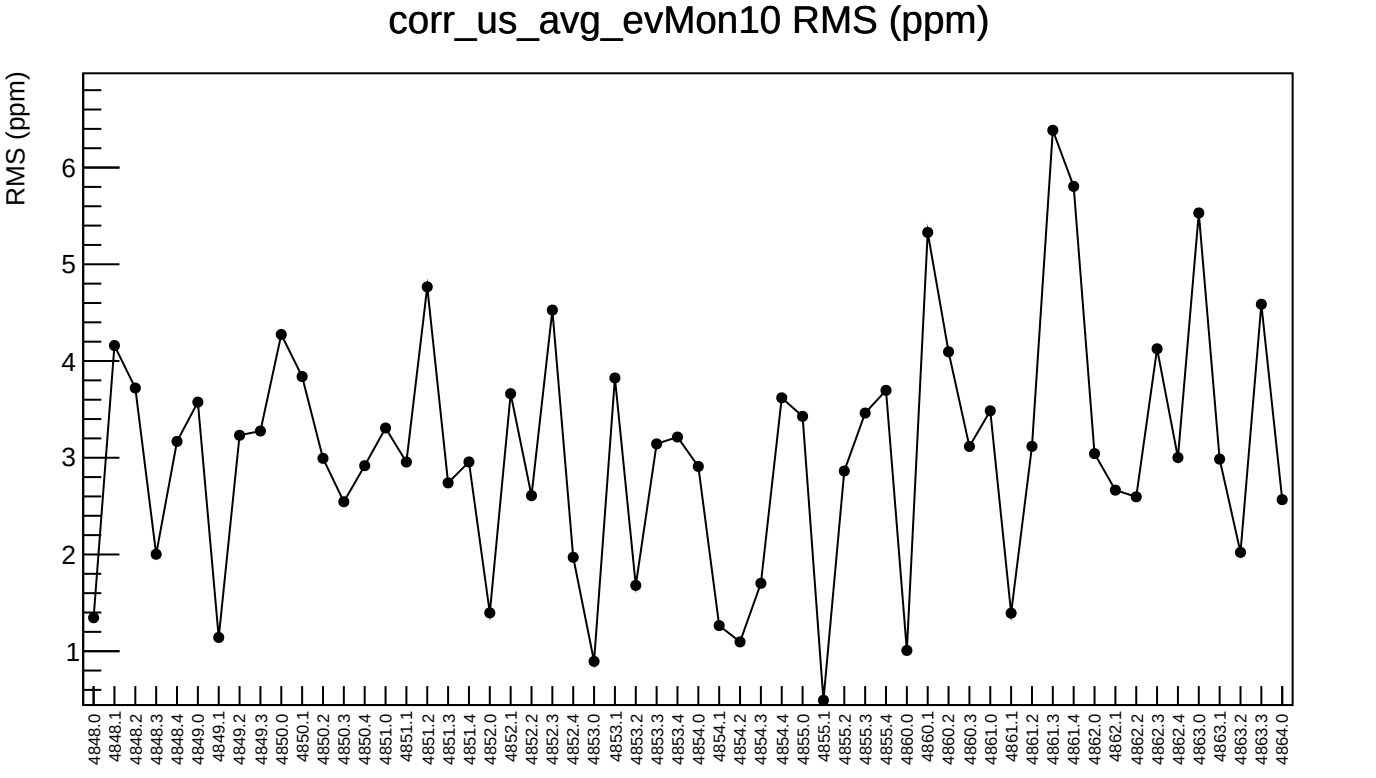

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
12
10
8
6
4
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

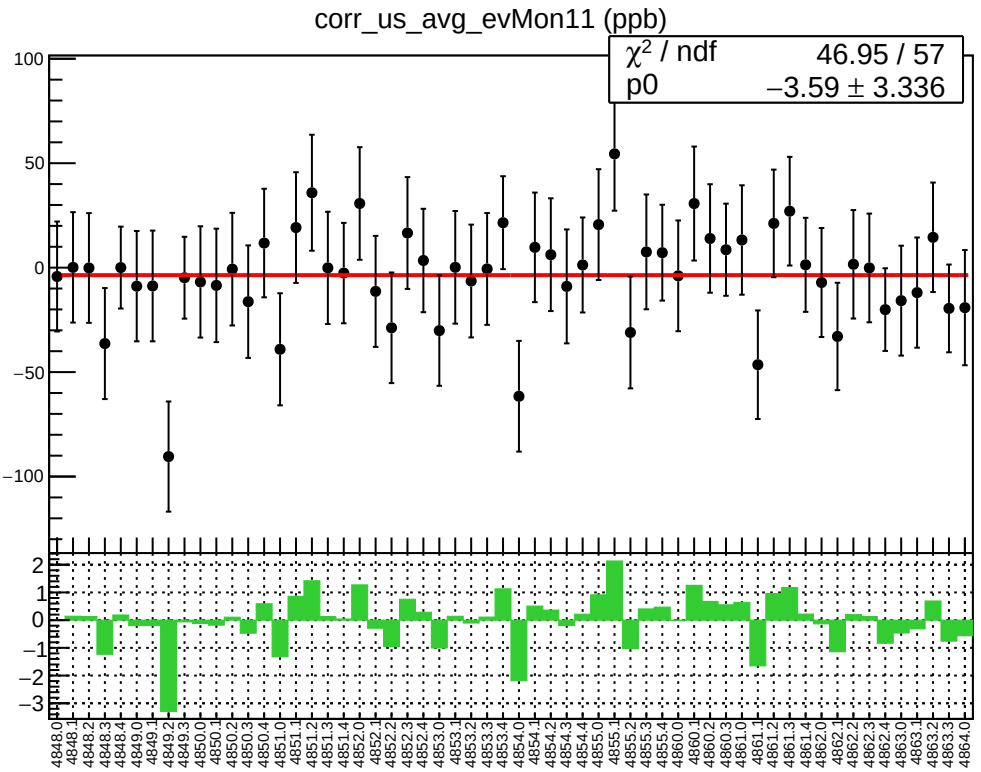

corr_us_avg_evMon9 (ppb)
χ² / ndf 107.4 / 57
p0 8.372 ± 3.883

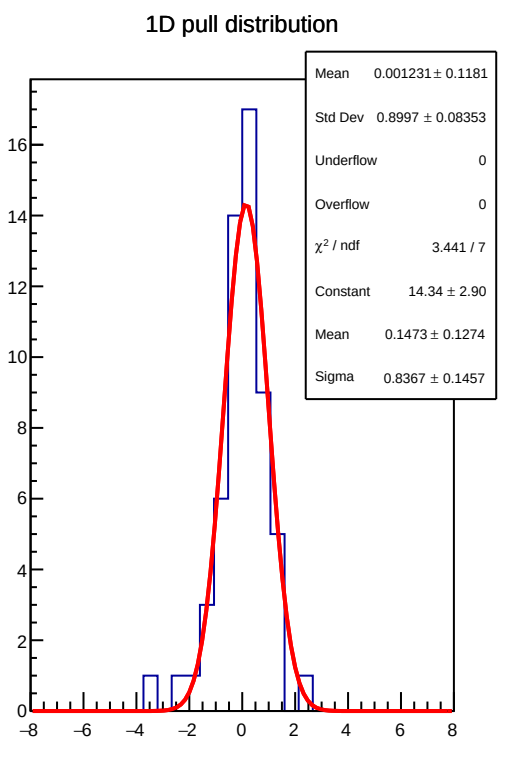

1D pull distribution
Mean 0.02504 ± 0.1786
Std Dev 1.361 ± 0.1263
Underflow 0
Overflow 0
χ² / ndf 8.313 / 9
Constant 8.364 ± 1.902
Mean −0.04953 ± 0.23038
Sigma 1.374 ± 0.319

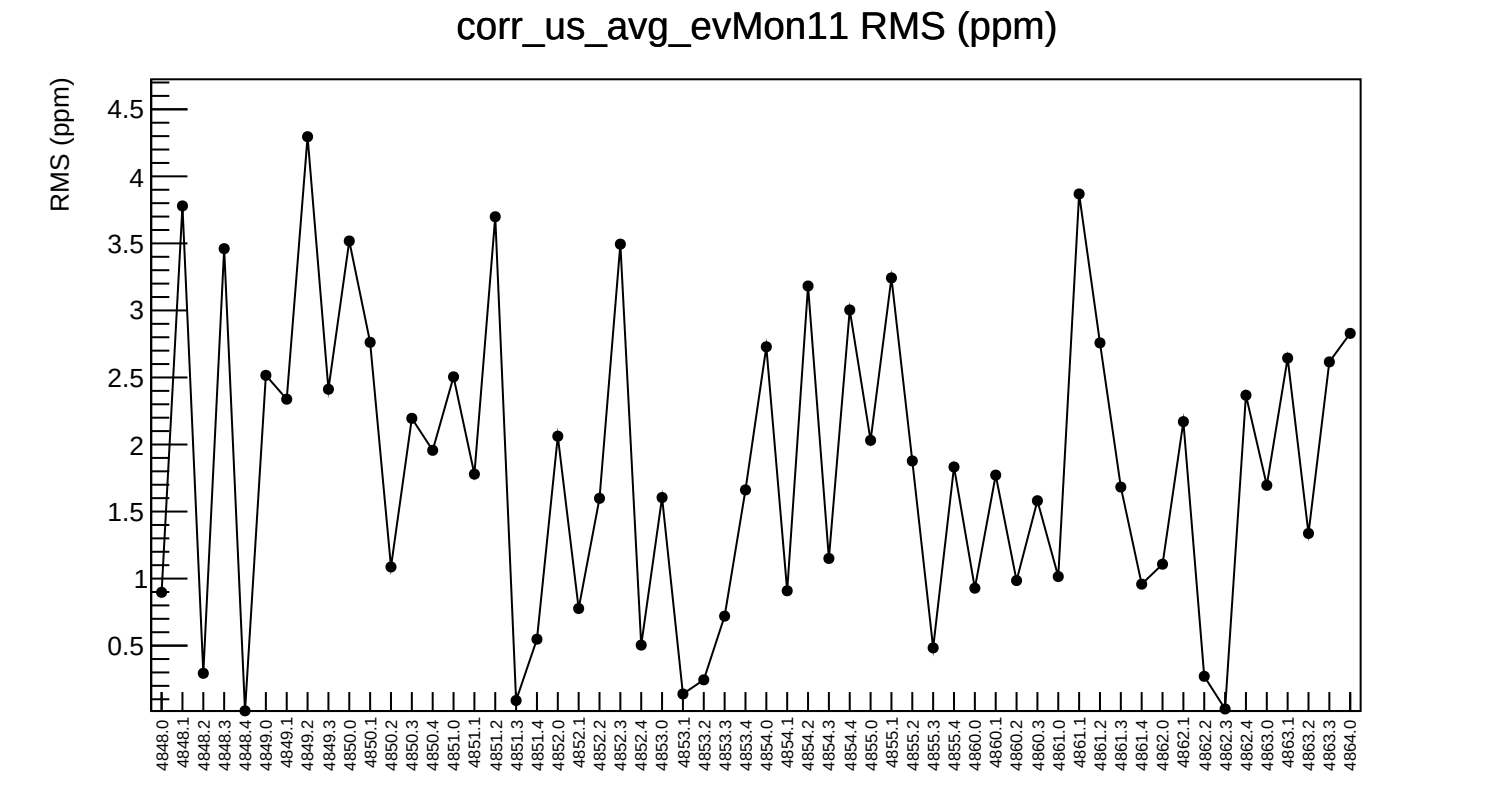

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_avg_evMon10 (ppb)
χ² / ndf 32.03 / 57
p0 −3.922 ± 4.725
1D pull distribution
Mean −0.002389 ± 0.09757
Std Dev 0.7431 ± 0.06899
Underflow 0
Overflow 0
χ² / ndf 6.404 / 5
Constant 20.77 ± 4.18
Mean 0.1928 ± 0.0754
Sigma 0.5301 ± 0.0793


corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_avg_evMon11 (ppb)
χ² / ndf 46.95 / 57
p0 −3.59 ± 3.336
100
50
0
−50
−100
2
1
0
−1
−2
−3
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


1D pull distribution
Mean 0.001231 ± 0.1181
Std Dev 0.8997 ± 0.08353
Underflow 0
Overflow 0
χ² / ndf 3.441 / 7
Constant 14.34 ± 2.90
Mean 0.1473 ± 0.1274
Sigma 0.8367 ± 0.1457
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
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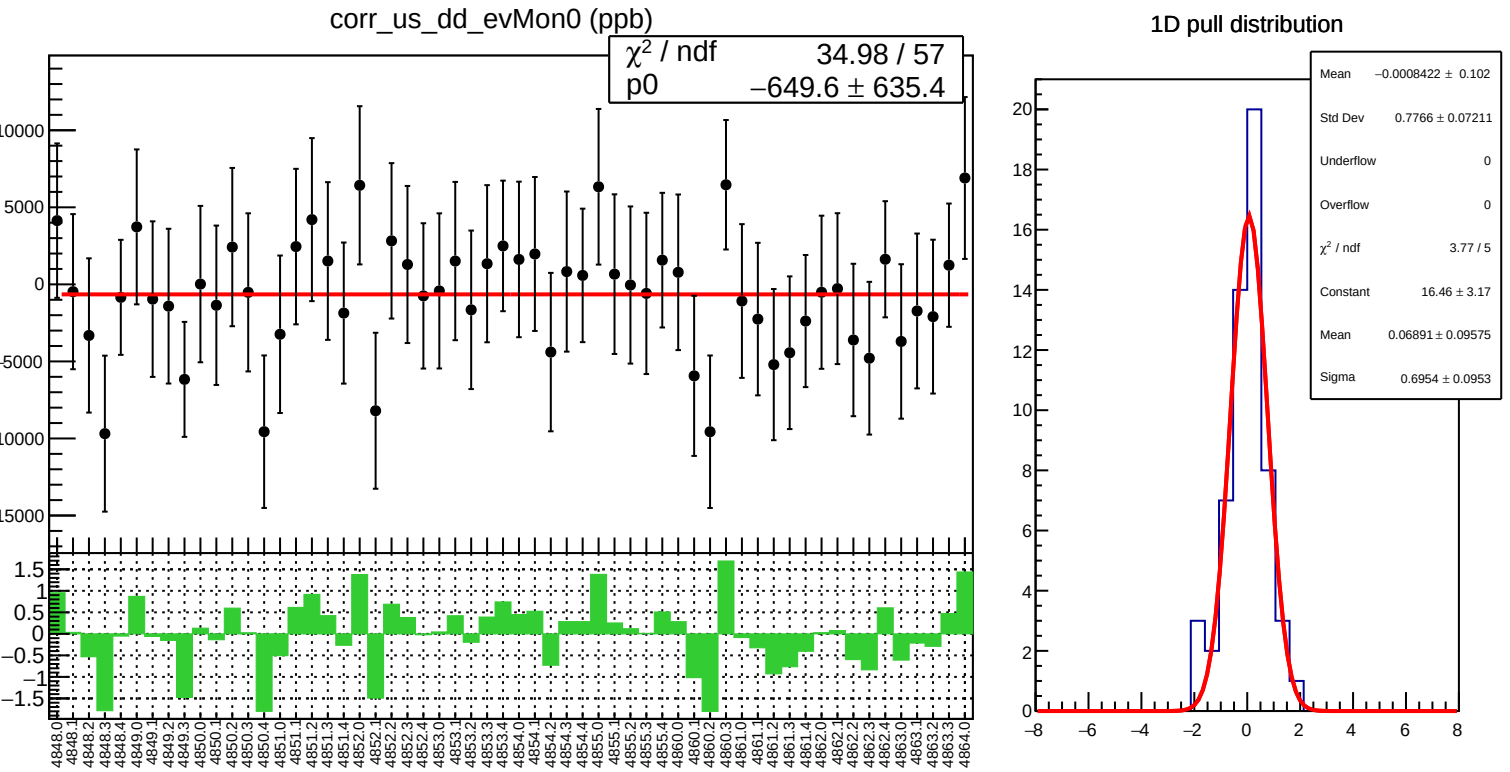
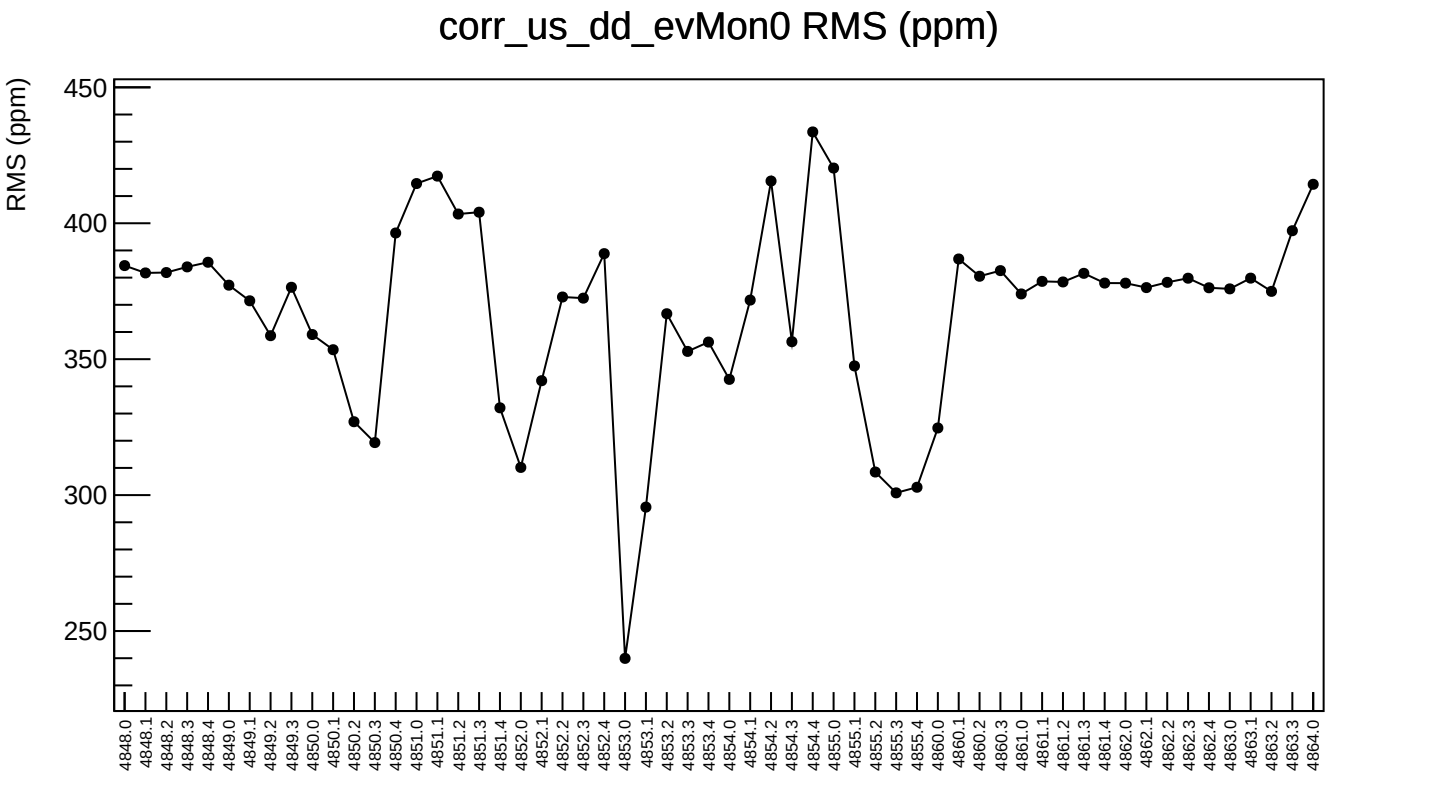
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_dd_evMon0 (ppb)
χ² / ndf 34.98 / 57
p0 −649.6 ± 635.4
1D pull distribution
Mean −0.0008422 ± 0.102
Std Dev 0.7766 ± 0.07211
Underflow 0
Overflow 0
χ² / ndf 3.77 / 5
Constant 16.46 ± 3.17
Mean 0.06891 ± 0.09575
Sigma 0.6954 ± 0.0953


corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
450
400
350
300
250
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
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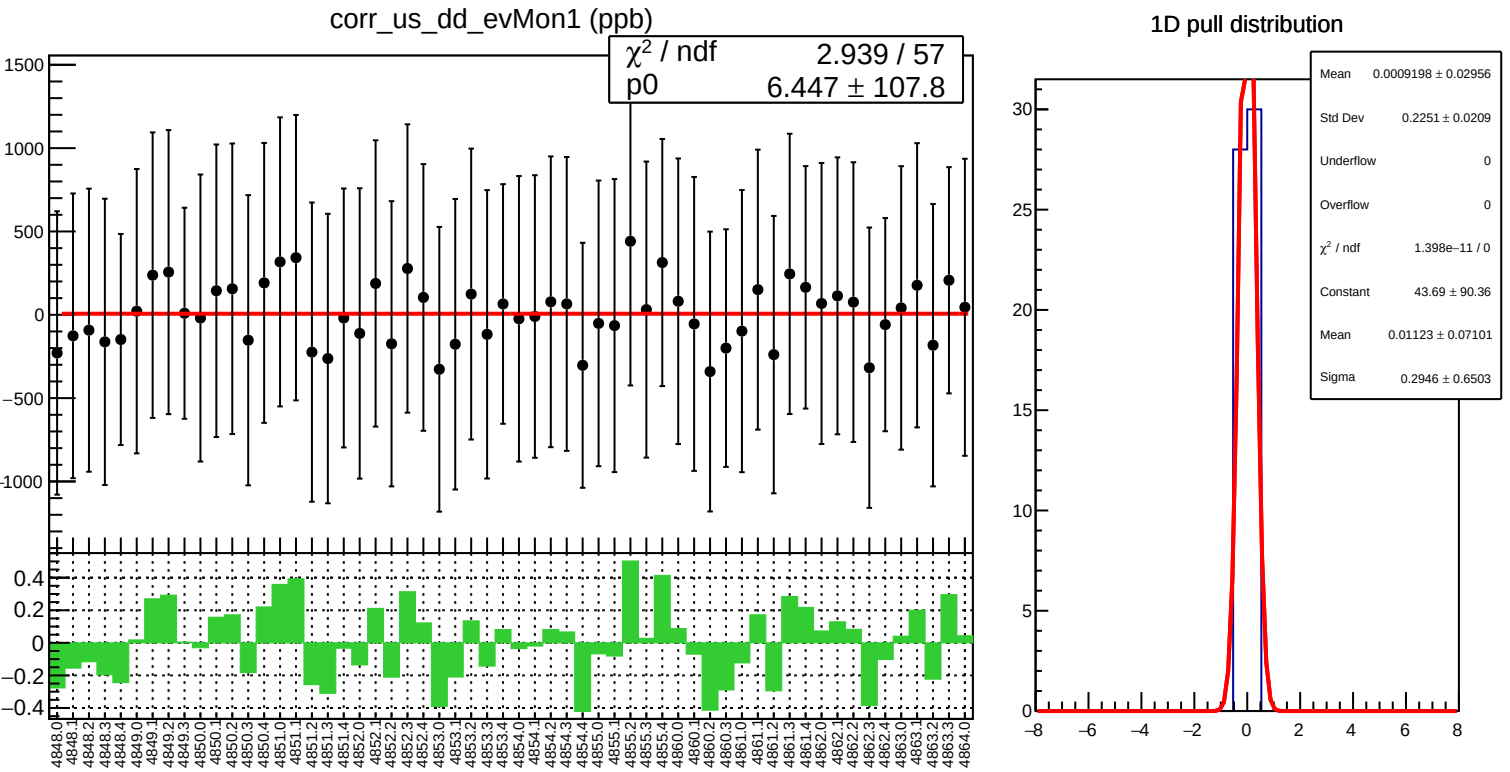
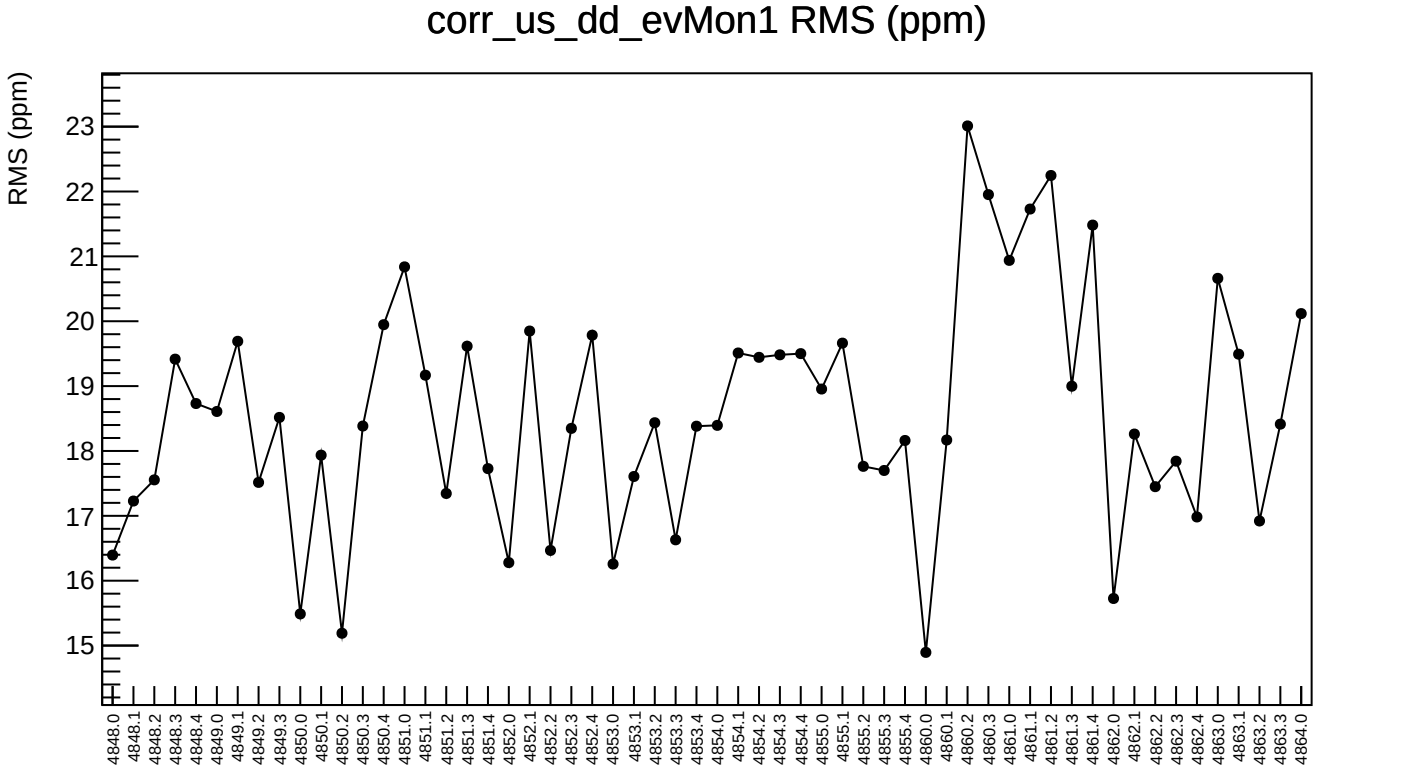
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_us_dd_evMon1 (ppb)
χ² / ndf 2.939 / 57
p0 6.447 ± 107.8
1D pull distribution
Mean 0.0009198 ± 0.02956
Std Dev 0.2251 ± 0.0209
Underflow 0
Overflow 0
χ² / ndf 1.398e−11 / 0
Constant 43.69 ± 90.36
Mean 0.01123 ± 0.07101
Sigma 0.2946 ± 0.6503


corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
23
22
21
20
19
18
17
16
15
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
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4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
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4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
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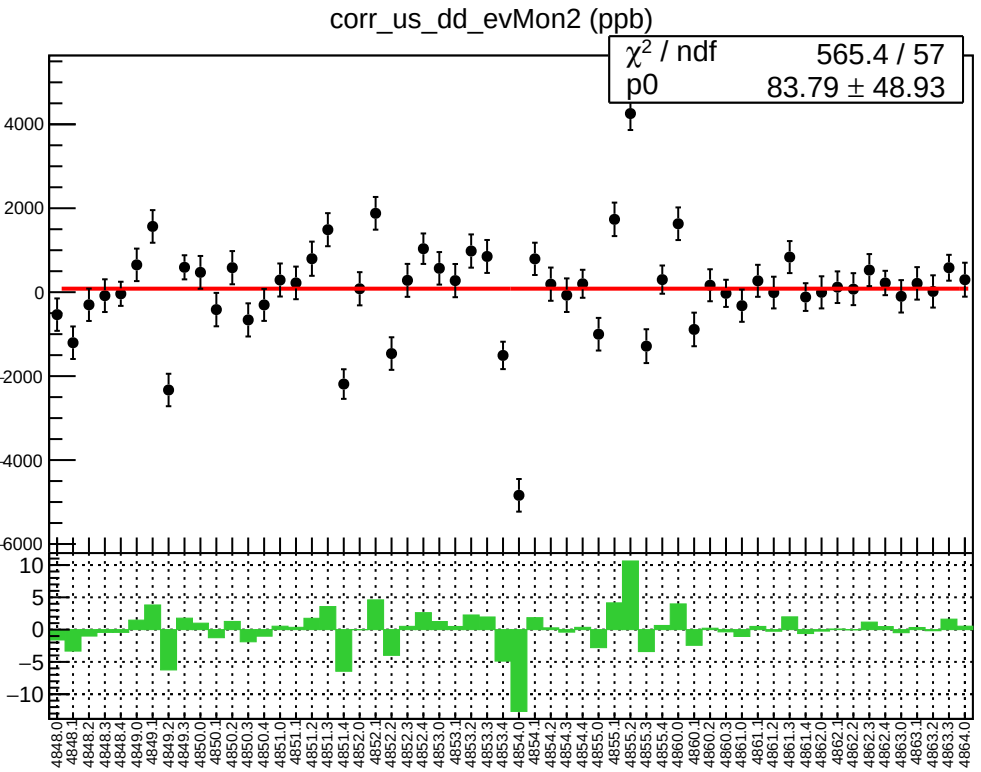
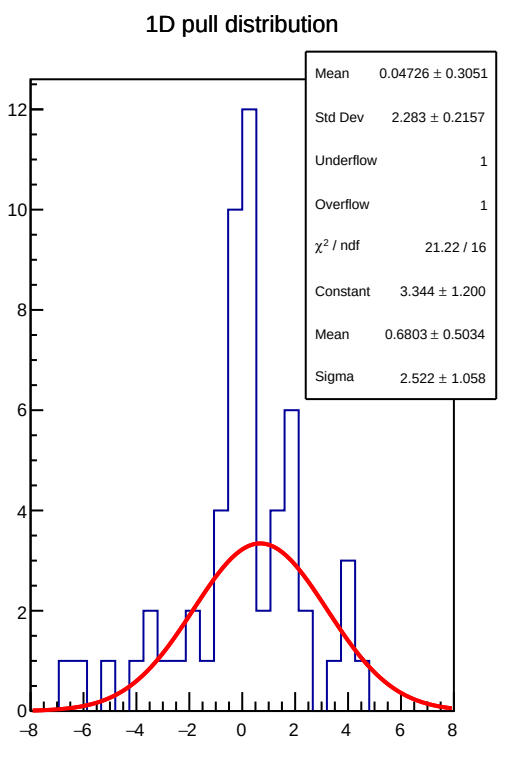
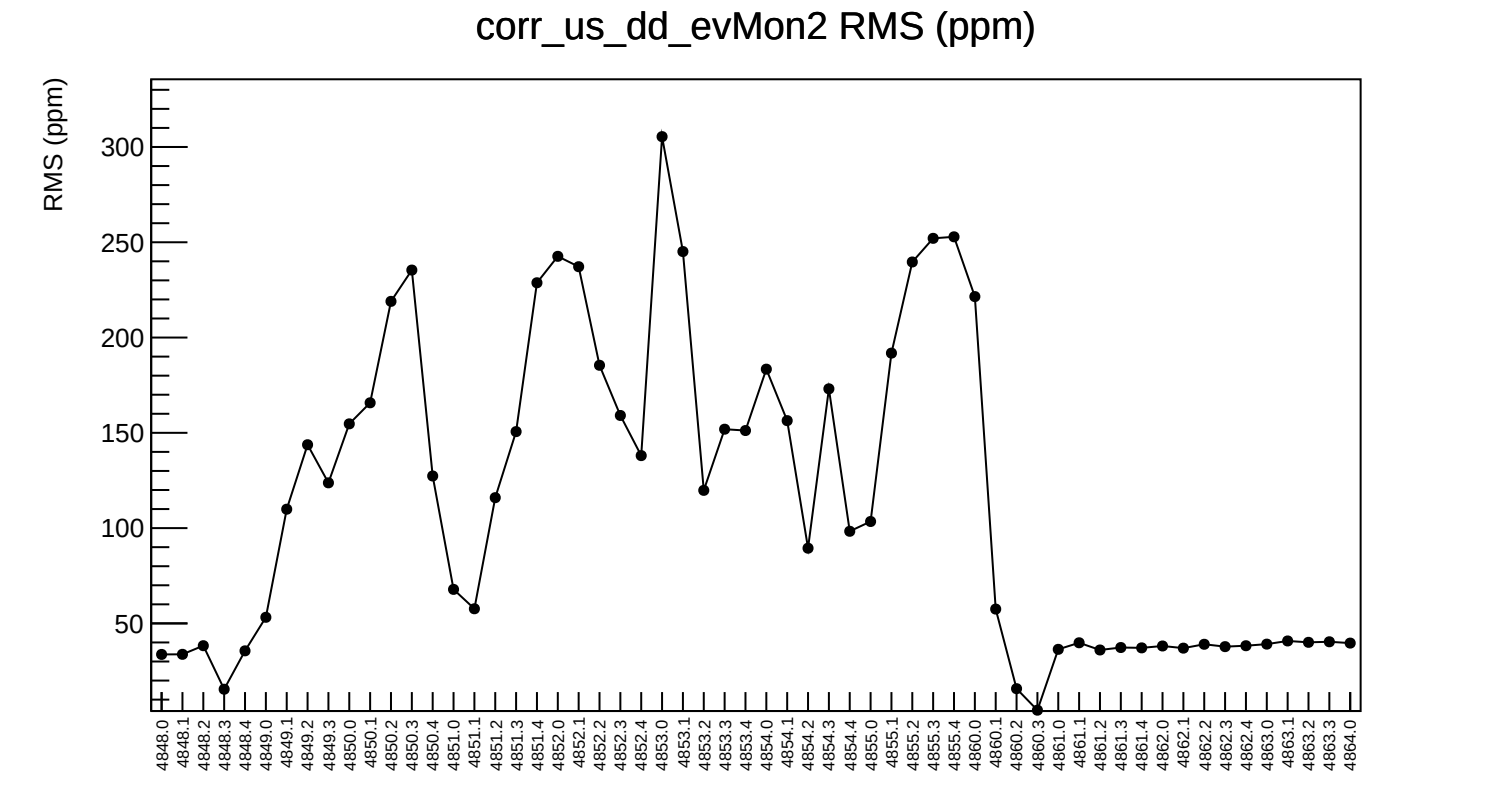
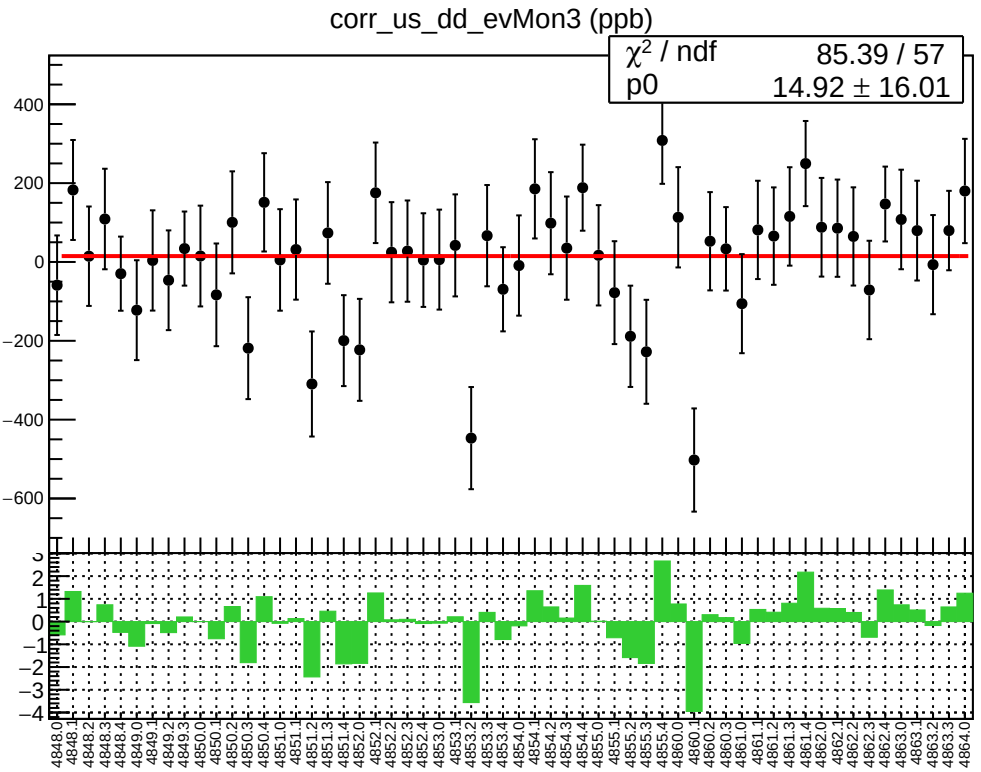
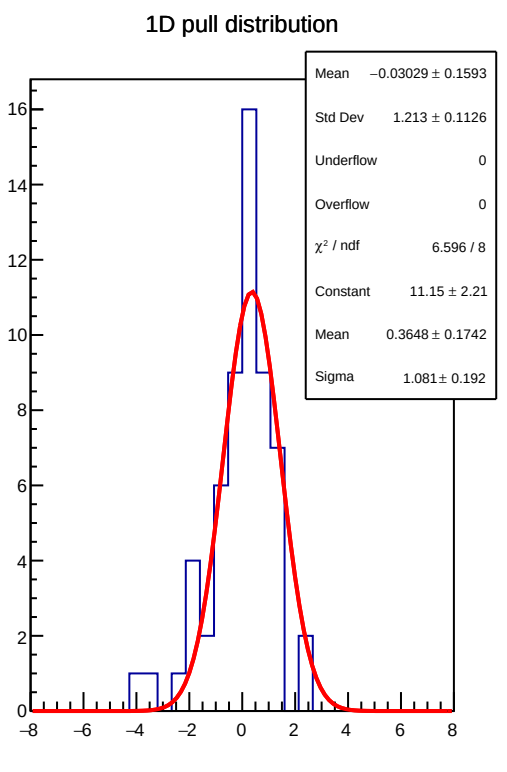
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

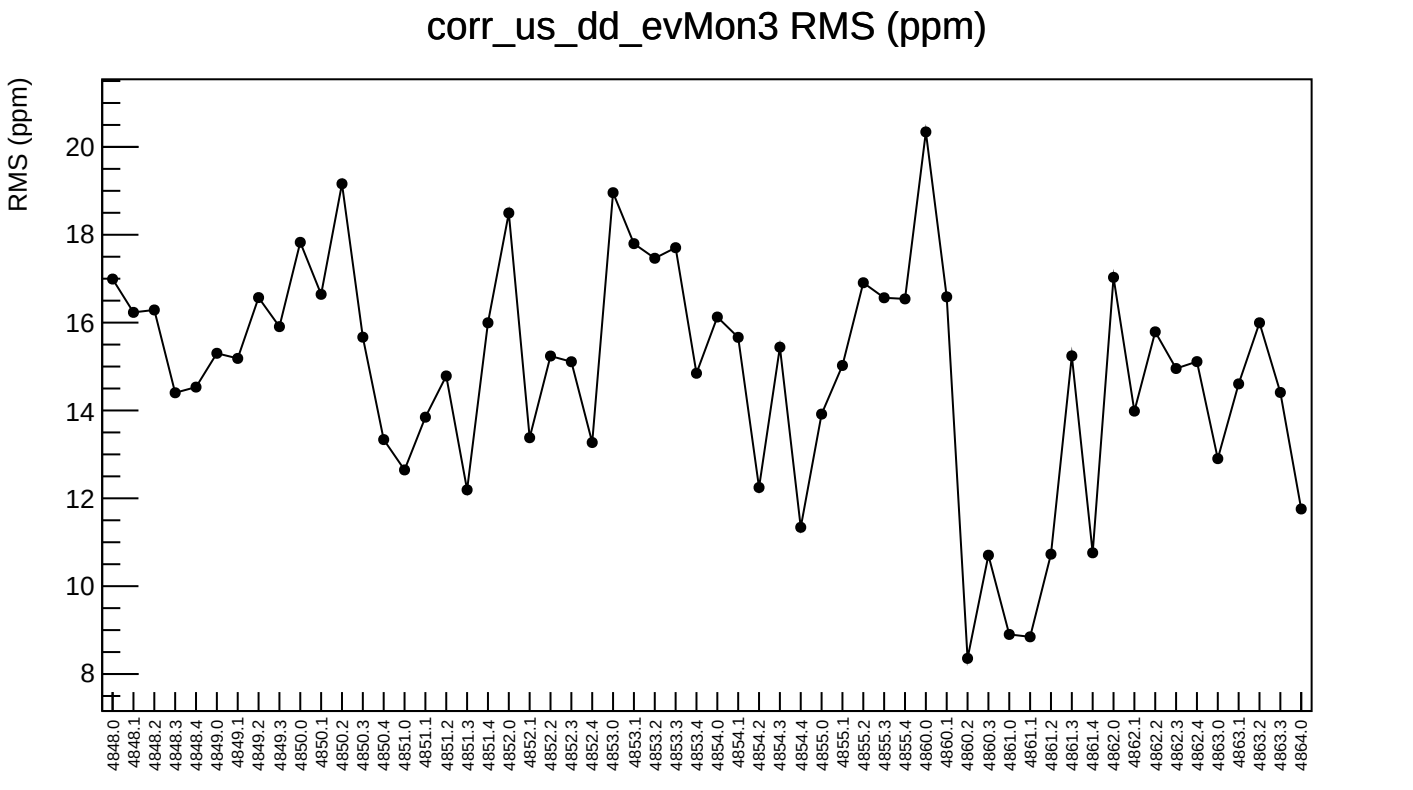

corr_us_dd_evMon2 (ppb)
χ² / ndf 565.4 / 57
p0 83.79 ± 48.93
4000
2000
0
-2000
-4000
-6000
10
5
0
−5
−10
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

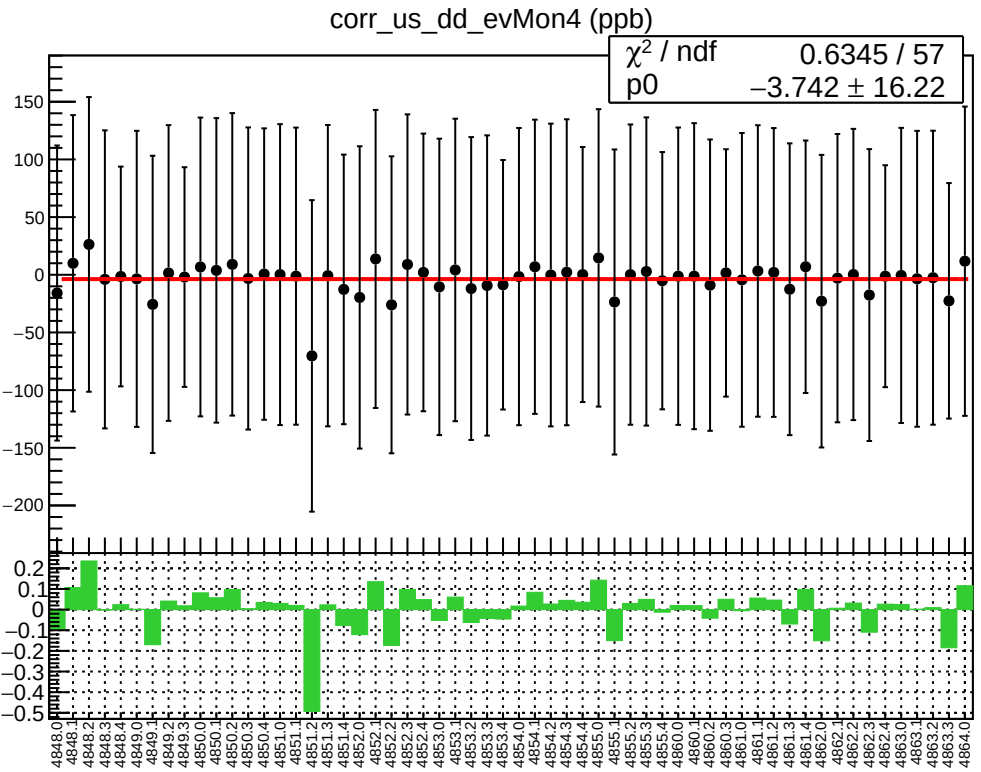

1D pull distribution
Mean 0.04726 ± 0.3051
Std Dev 2.283 ± 0.2157
Underflow 1
Overflow 1
χ² / ndf 21.22 / 16
Constant 3.344 ± 1.200
Mean 0.6803 ± 0.5034
Sigma 2.522 ± 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

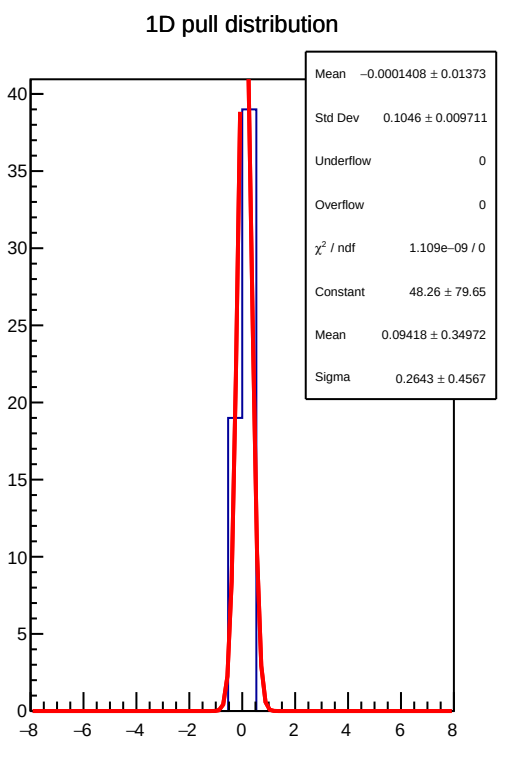

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
300
250
200
150
100
50
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

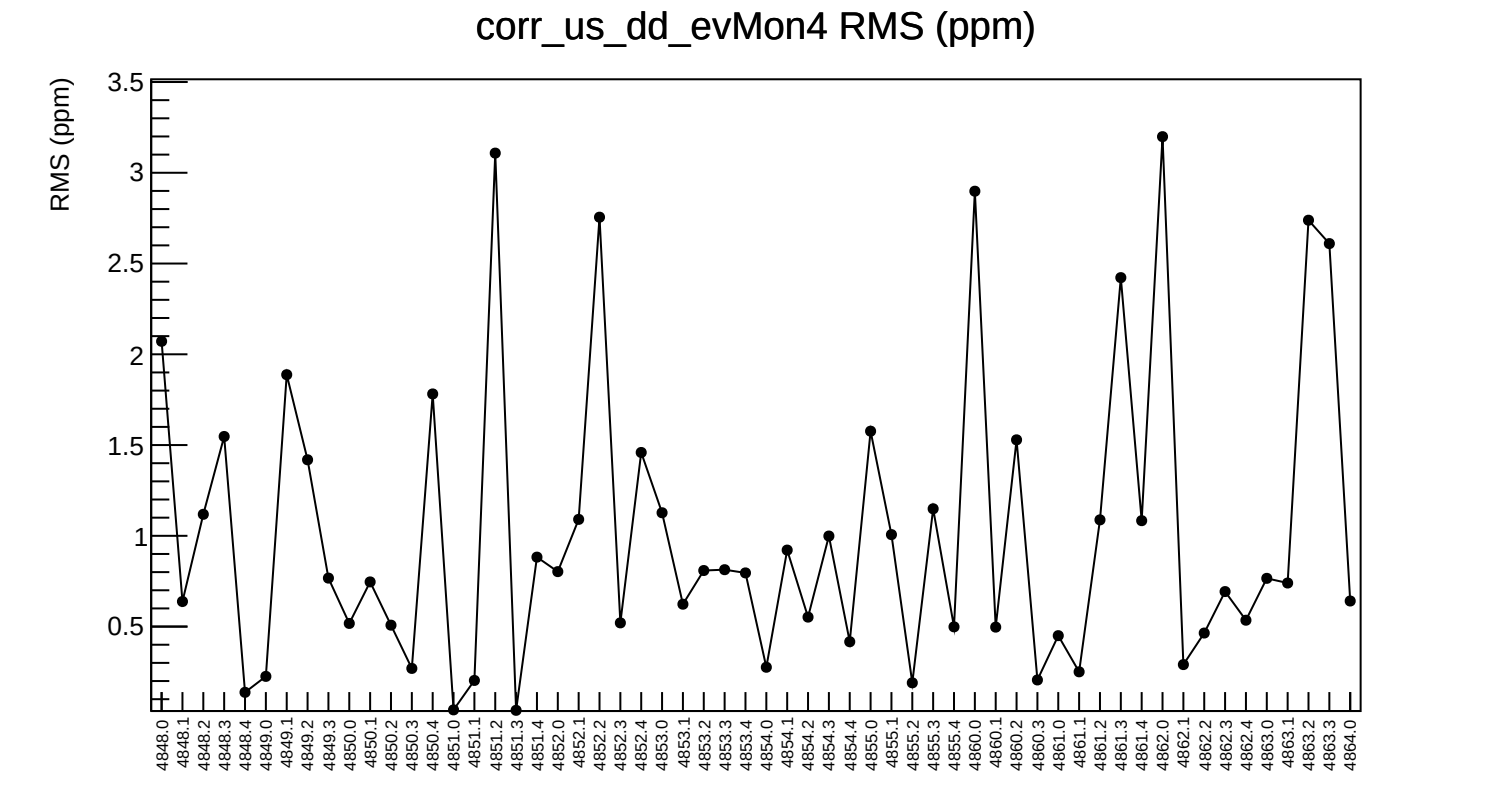

corr_us_dd_evMon3 (ppb)
χ² / ndf 85.39 / 57
p0 14.92 ± 16.01

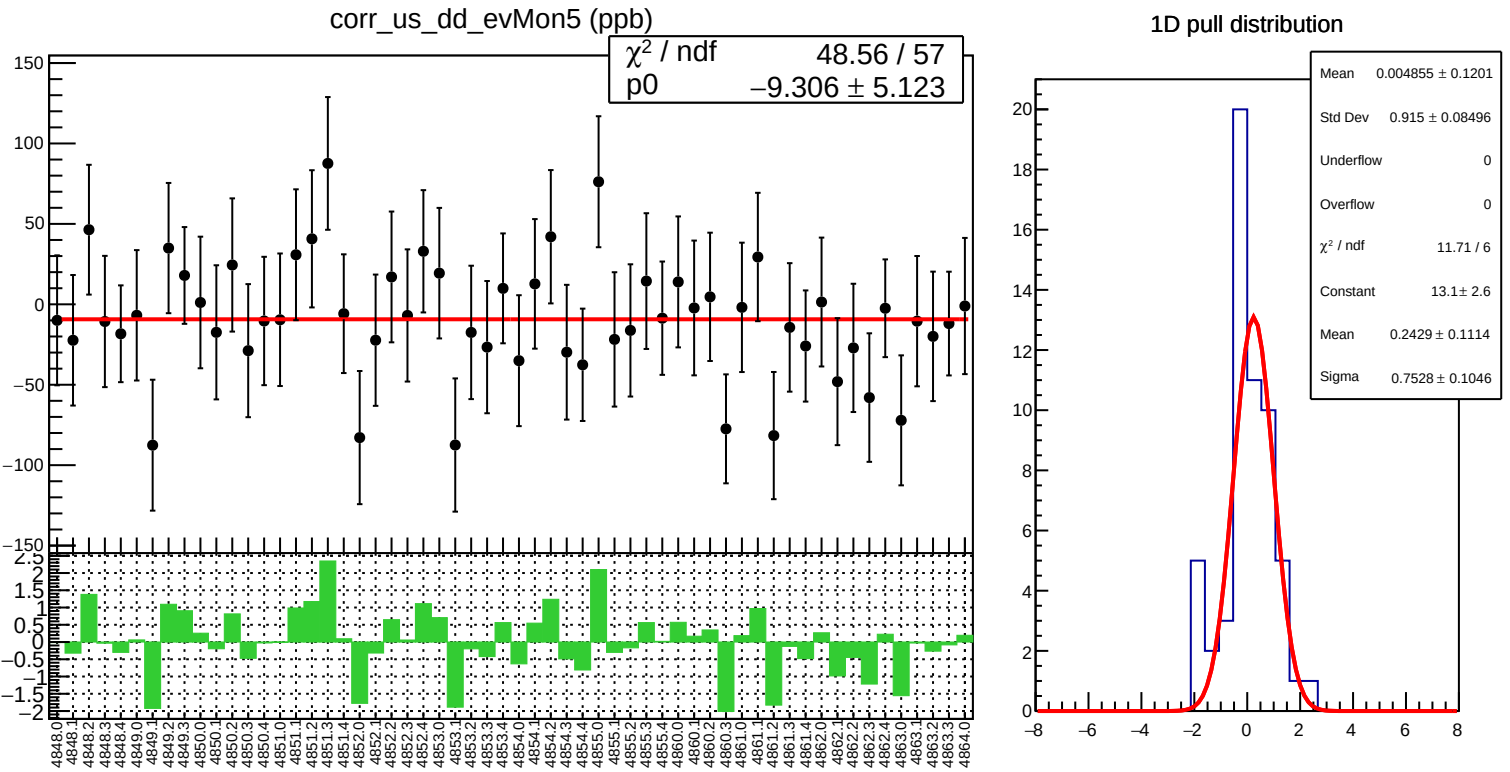

1D pull distribution
Mean −0.03029 ± 0.1593
Std Dev 1.213 ± 0.1126
Underflow 0
Overflow 0
χ² / ndf 6.596 / 8
Constant 11.15 ± 2.21
Mean 0.3648 ± 0.1742
Sigma 1.081 ± 0.192

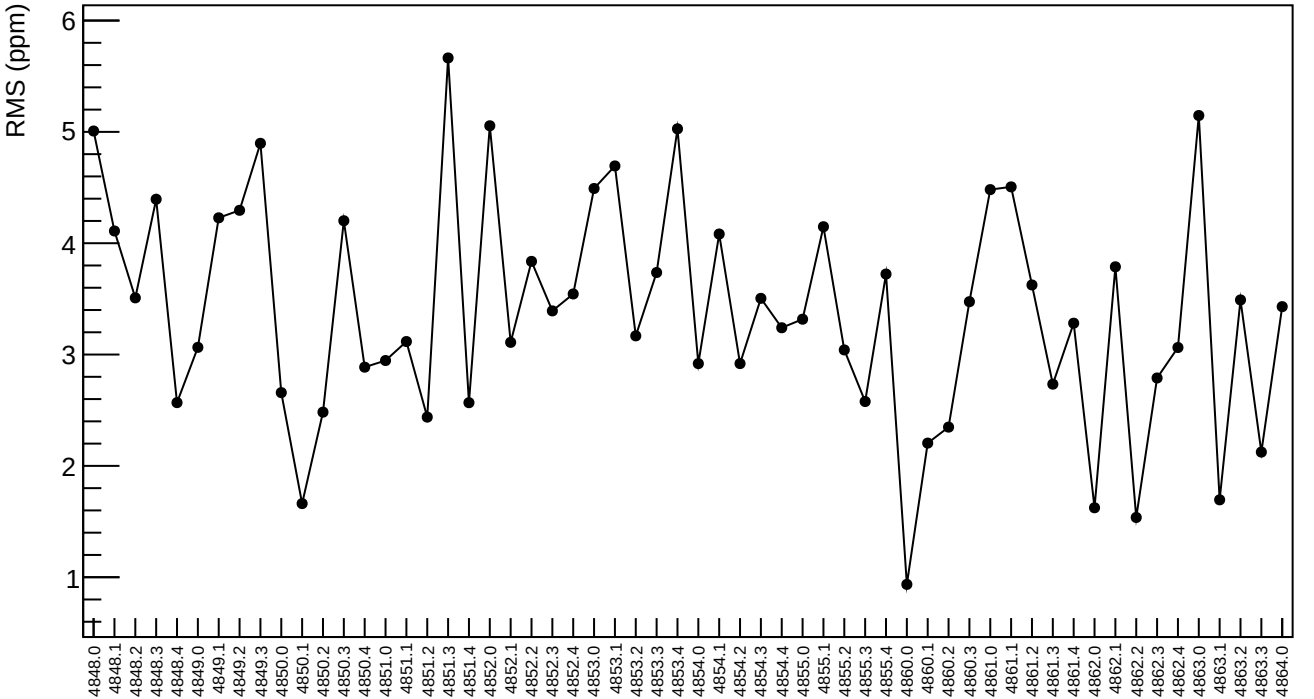

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
20
18
16
14
12
10
8
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

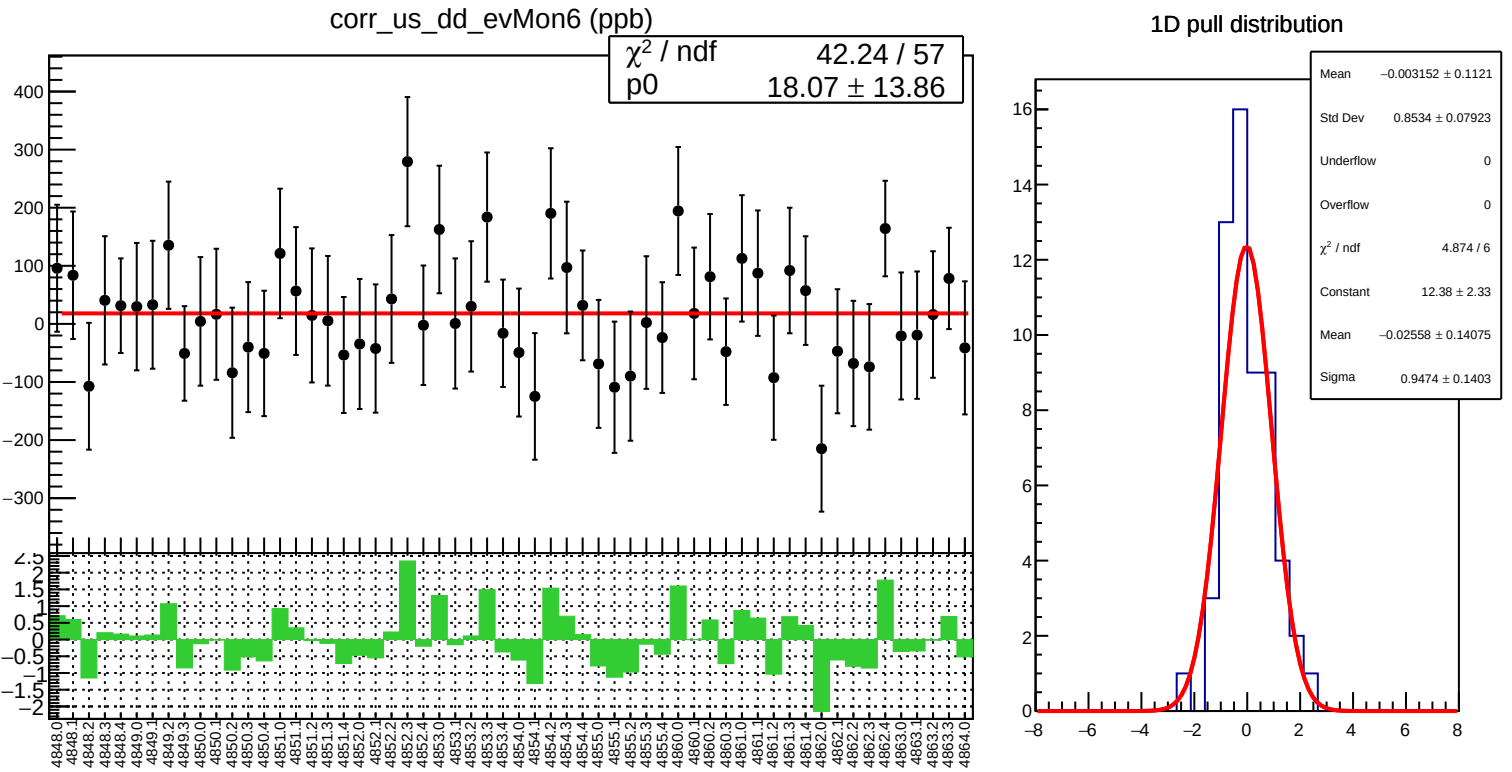

corr_us_dd_evMon4 (ppb)
χ² / ndf 0.6345 / 57
p0 −3.742 ± 16.22

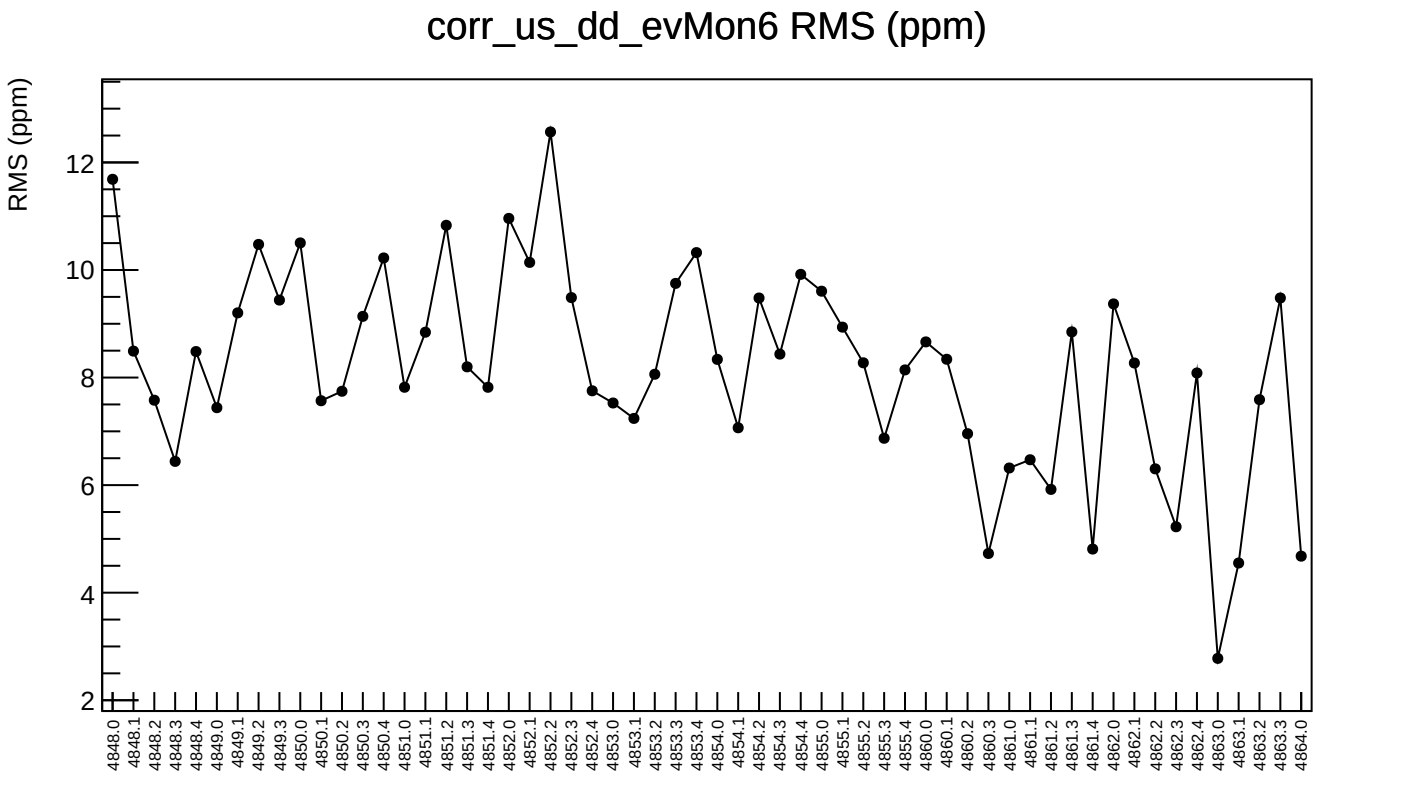

1D pull distribution
Mean −0.0001408 ± 0.01373
Std Dev 0.1046 ± 0.009711
Underflow 0
Overflow 0
χ² / ndf 1.109e−09 / 0
Constant 48.26 ± 79.65
Mean 0.09418 ± 0.34972
Sigma 0.2643 ± 0.4567

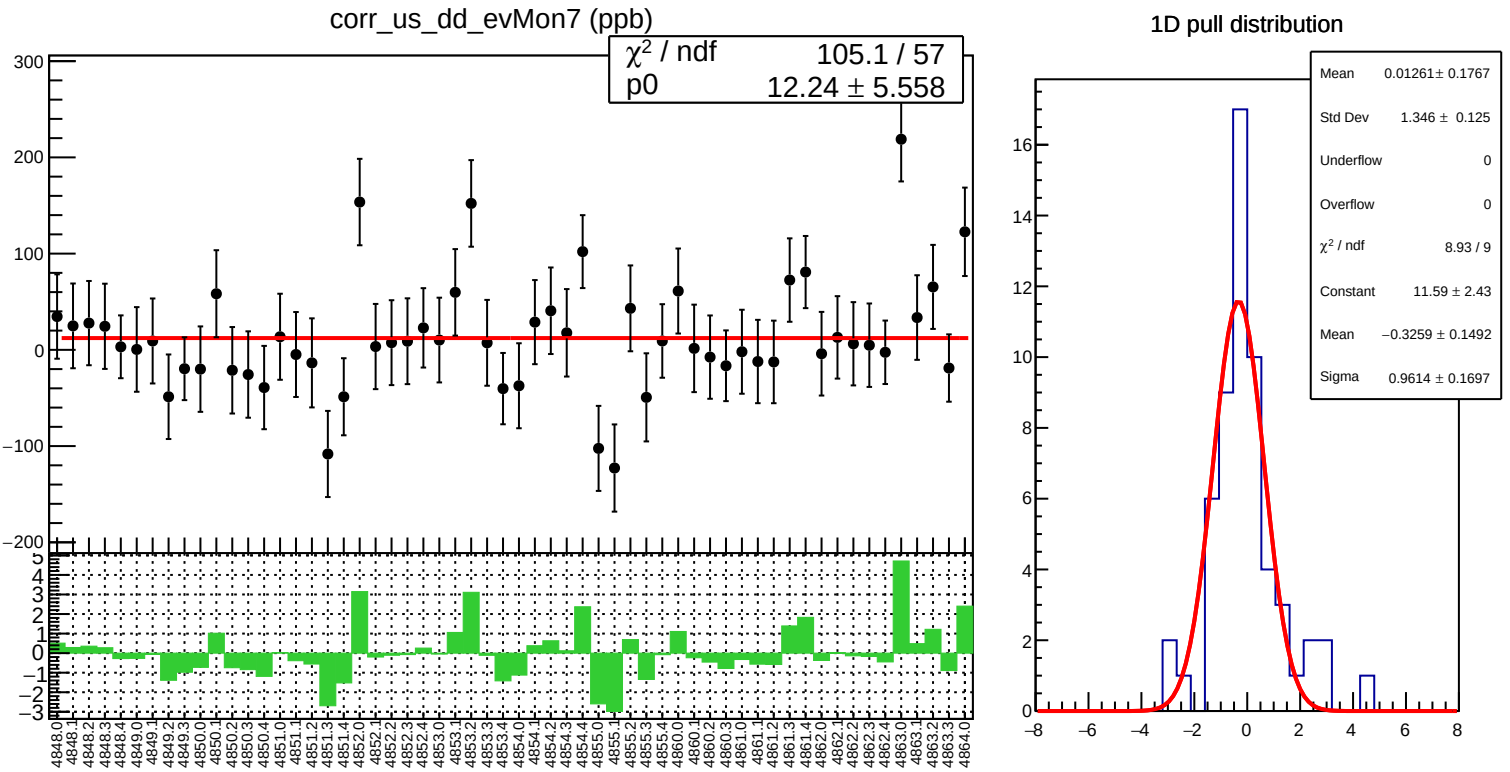

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

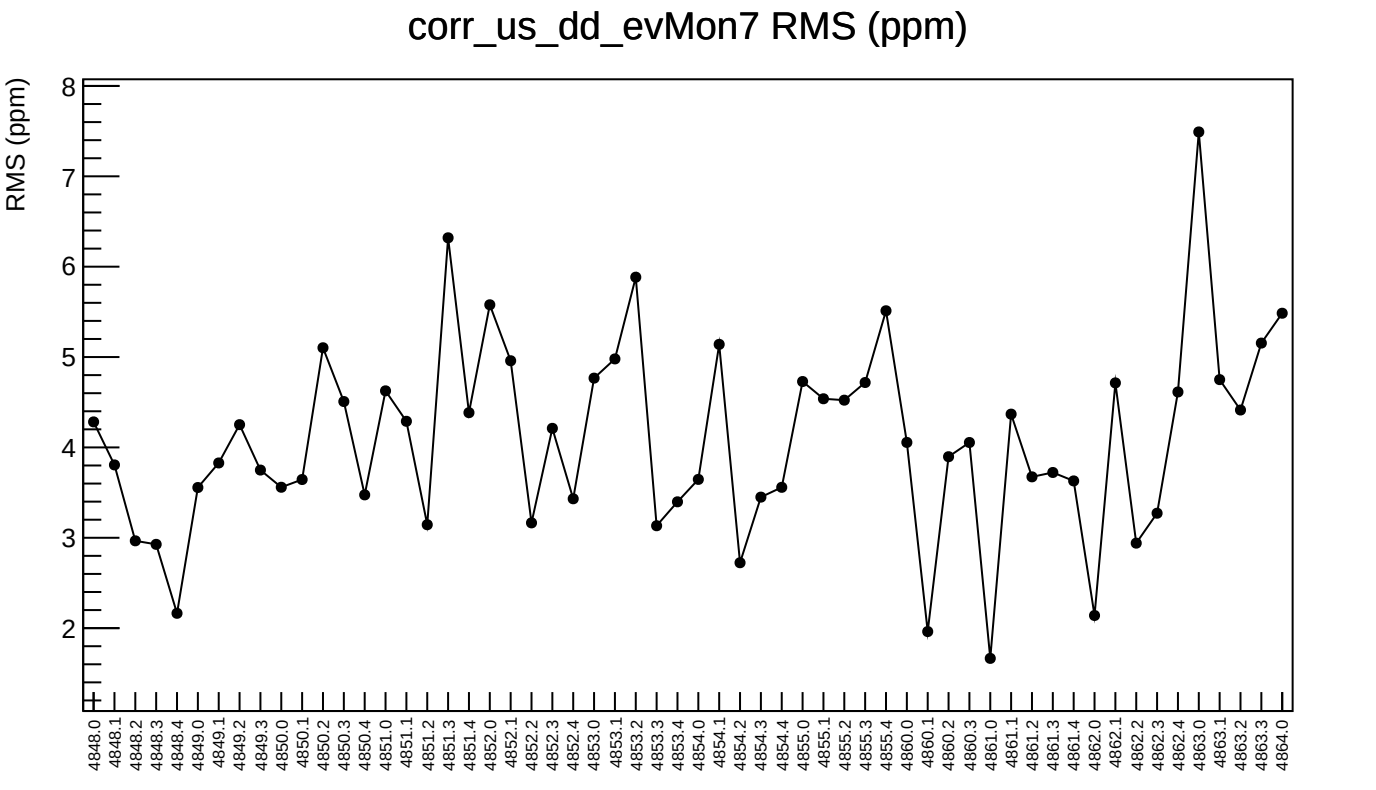

corr_us_dd_evMon5 (ppb)
χ² / ndf 48.56 / 57
p0 −9.306 ± 5.123
1D pull distribution
Mean 0.004855 ± 0.1201
Std Dev 0.915 ± 0.08496
Underflow 0
Overflow 0
χ² / ndf 11.71 / 6
Constant 13.1± 2.6
Mean 0.2429 ± 0.1114
Sigma 0.7528 ± 0.1046

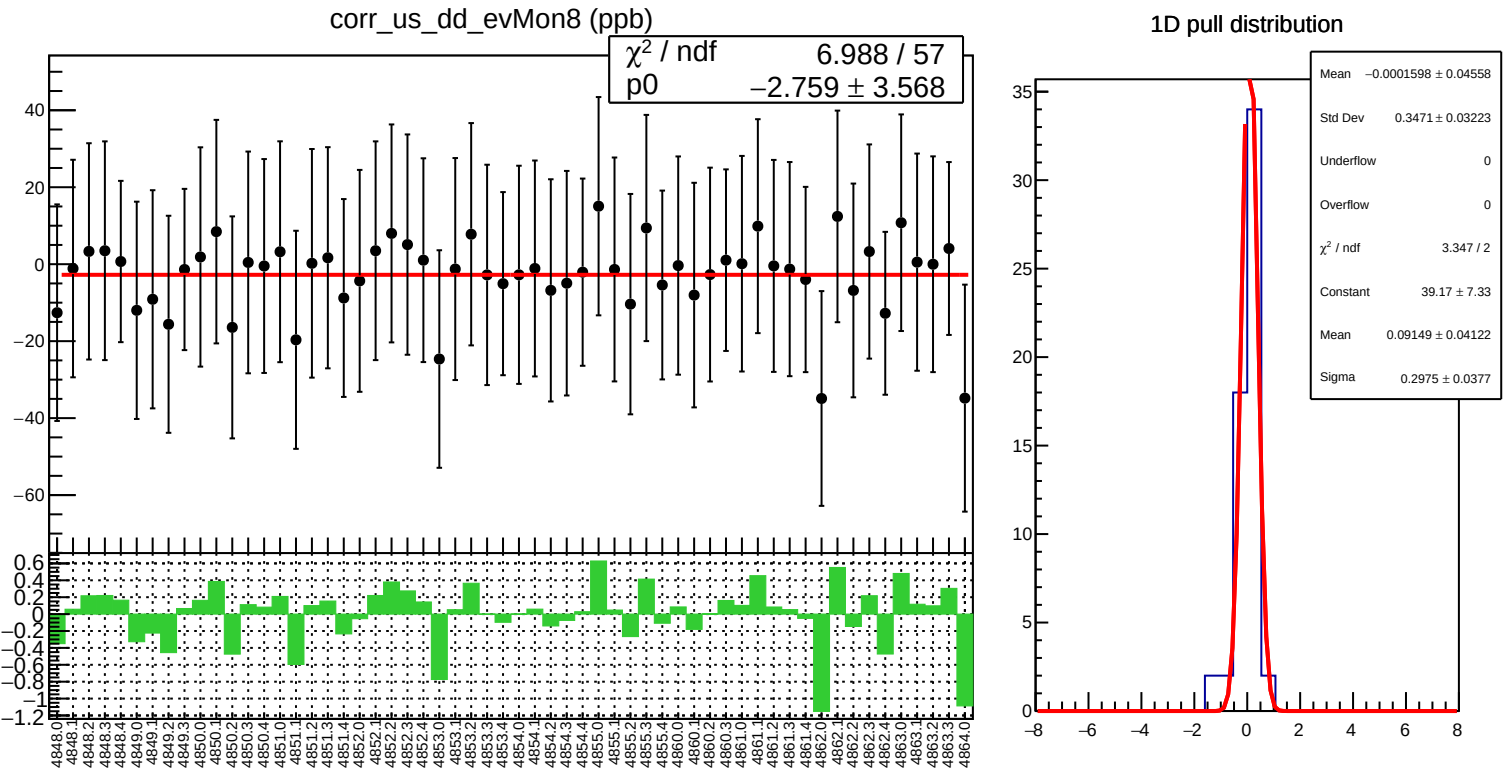

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

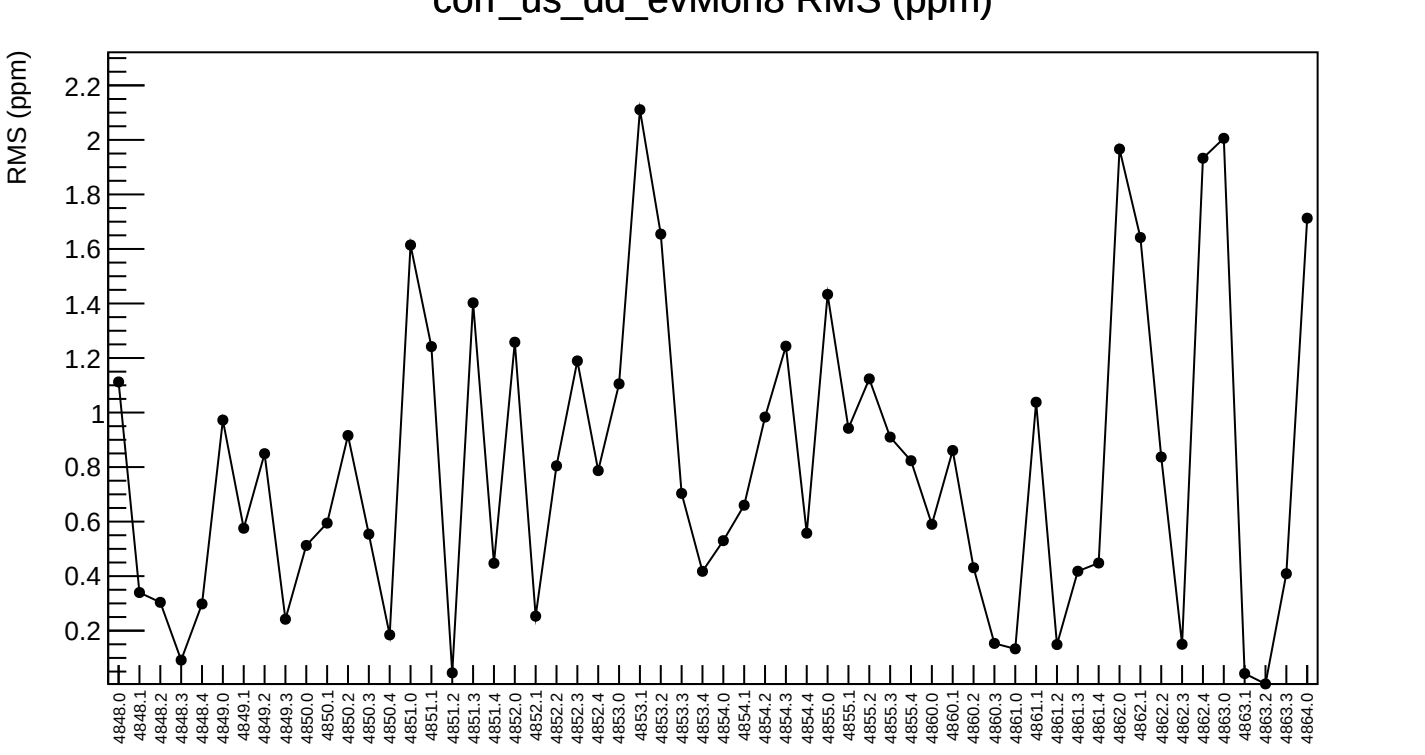

corr_us_dd_evMon6 (ppb)
χ² / ndf 42.24 / 57
p0 18.07 ± 13.86
1D pull distribution
Mean −0.003152 ± 0.1121
Std Dev 0.8534 ± 0.07923
Underflow 0
Overflow 0
χ² / ndf 4.874 / 6
Constant 12.38 ± 2.33
Mean −0.02558 ± 0.14075
Sigma 0.9474 ± 0.1403

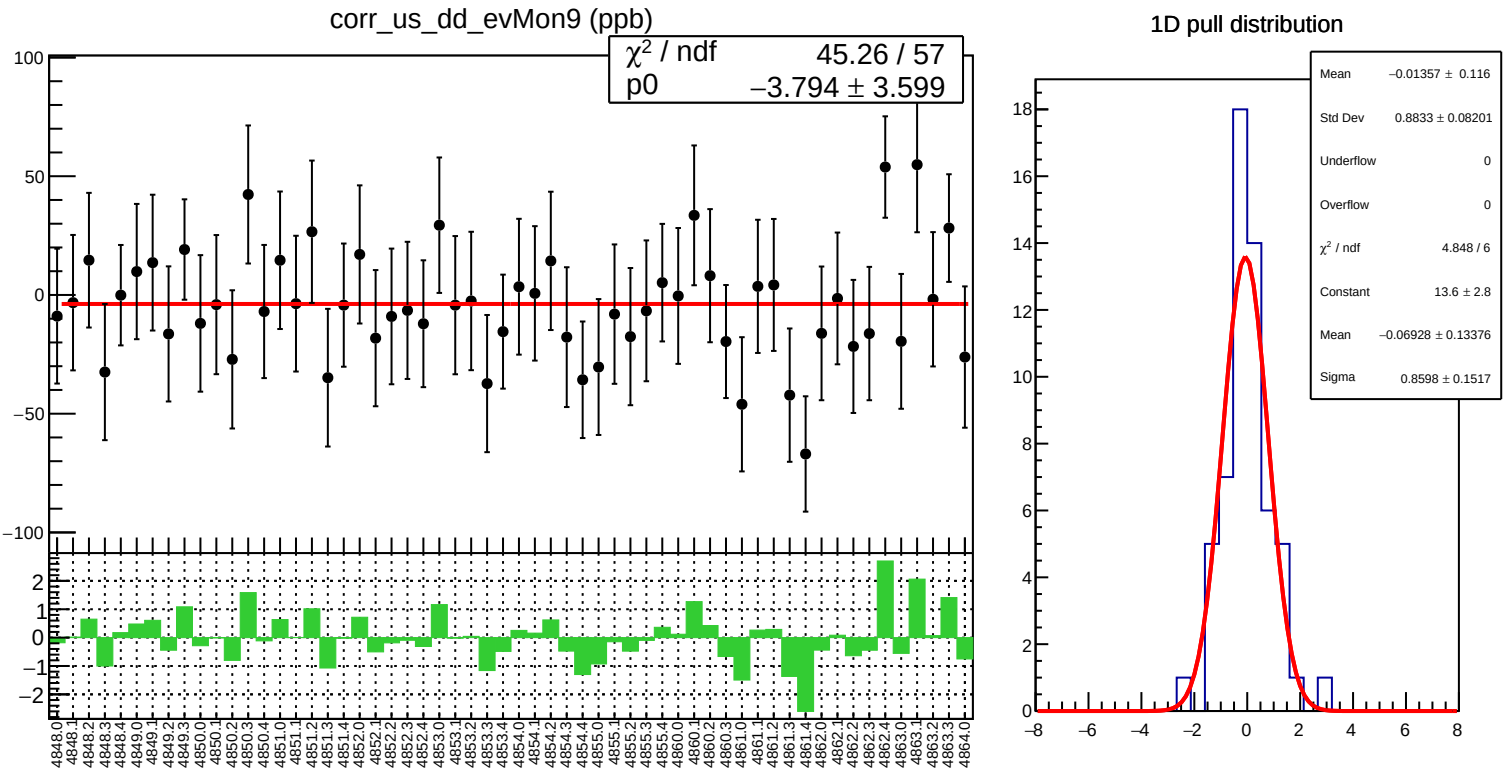

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
12
10
8
6
4
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

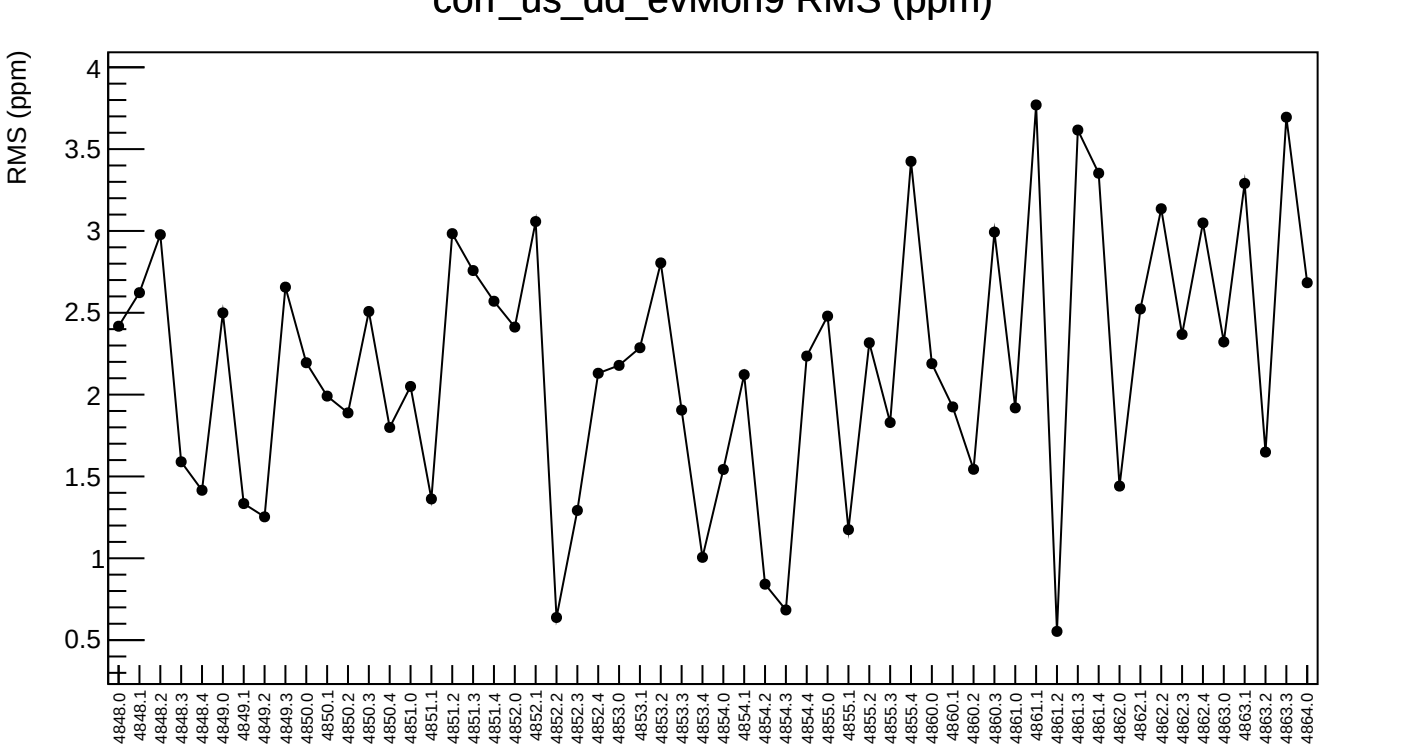

corr_us_dd_evMon7 (ppb)
χ² / ndf 105.1 / 57
p0 12.24 ± 5.558
1D pull distribution
Mean 0.01261± 0.1767
Std Dev 1.346 ± 0.125
Underflow 0
Overflow 0
χ² / ndf 8.93 / 9
Constant 11.59 ± 2.43
Mean −0.3259 ± 0.1492
Sigma 0.9614 ± 0.1697

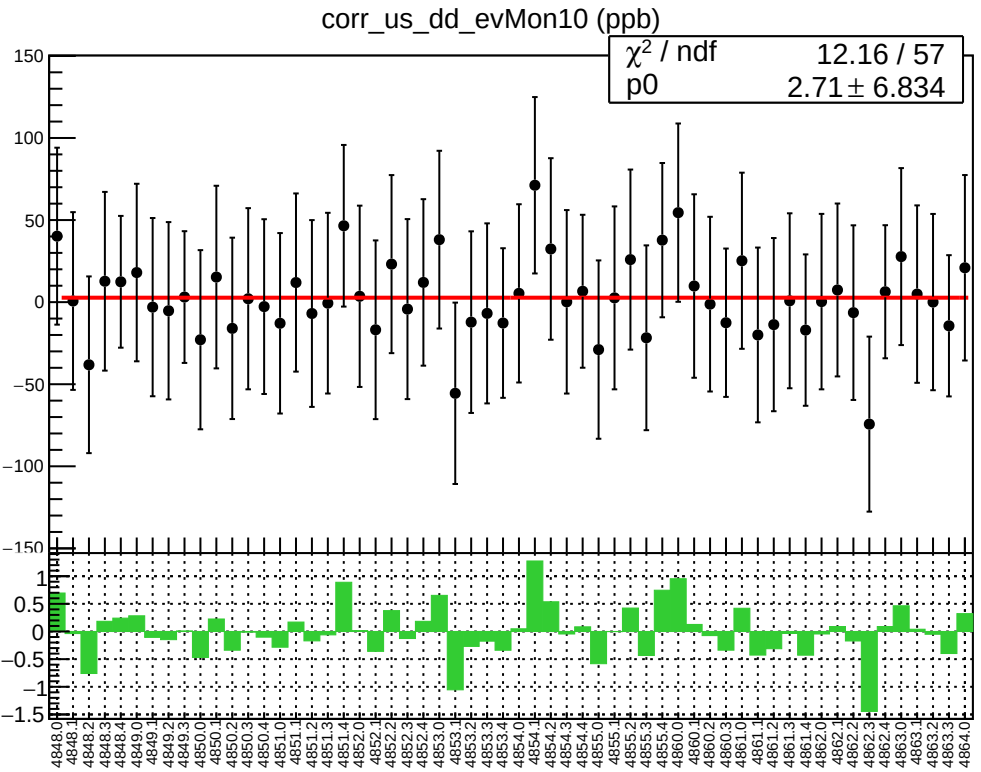

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

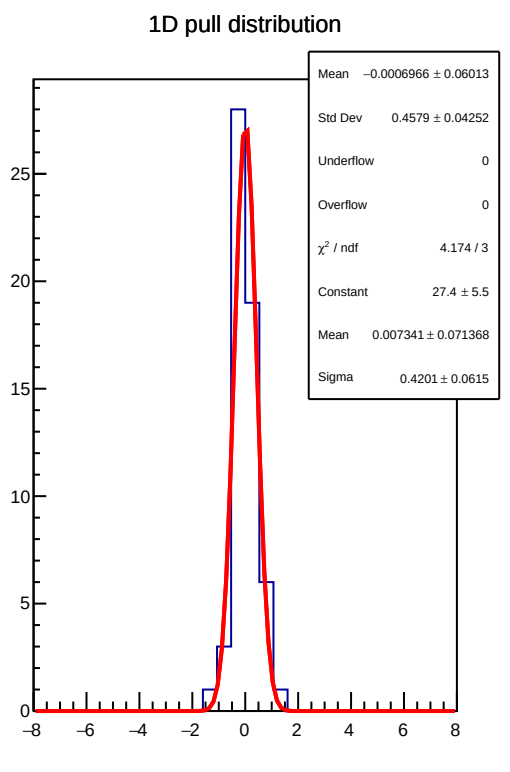

corr_us_dd_evMon8 (ppb)
χ² / ndf 6.988 / 57
p0 −2.759 ± 3.568
1D pull distribution
Mean −0.0001598 ± 0.04558
Std Dev 0.3471 ± 0.03223
Underflow 0
Overflow 0
χ² / ndf 3.347 / 2
Constant 39.17 ± 7.33
Mean 0.09149 ± 0.04122
Sigma 0.2975 ± 0.0377

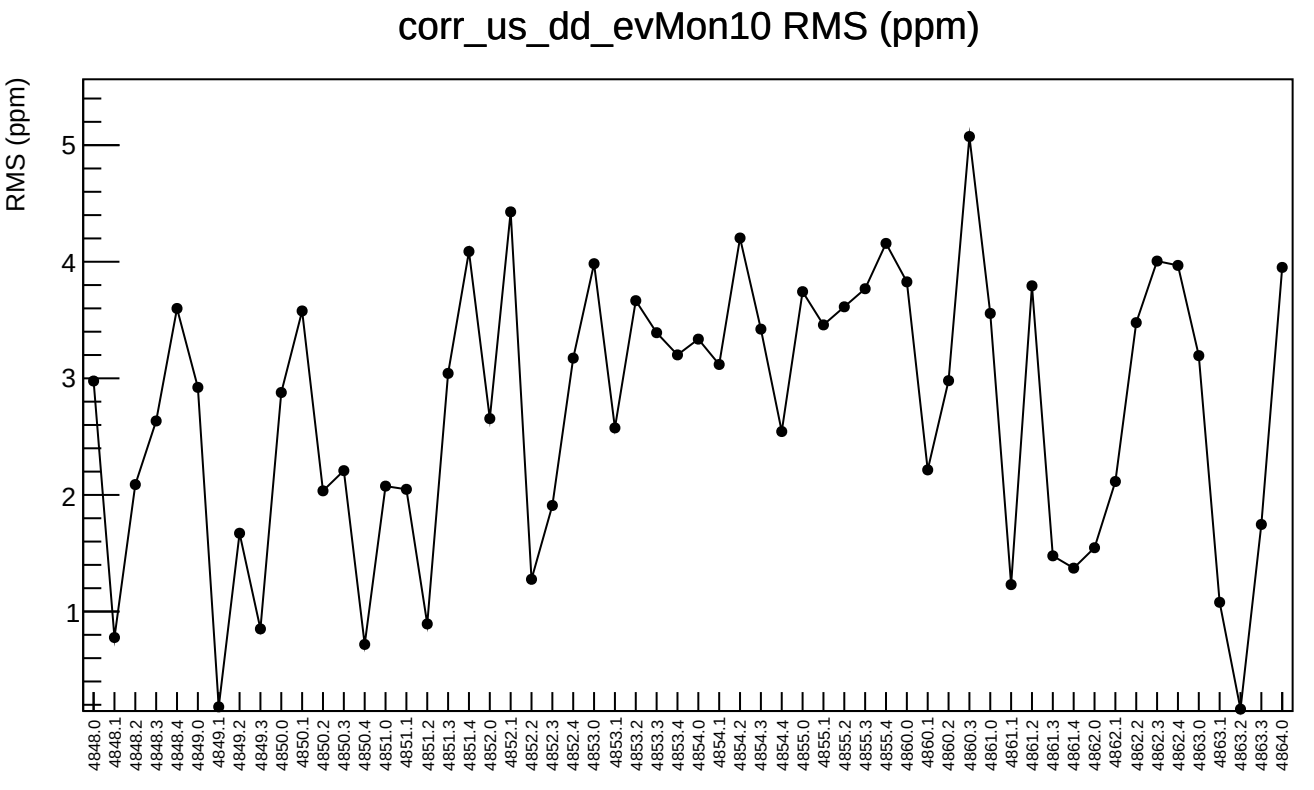

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

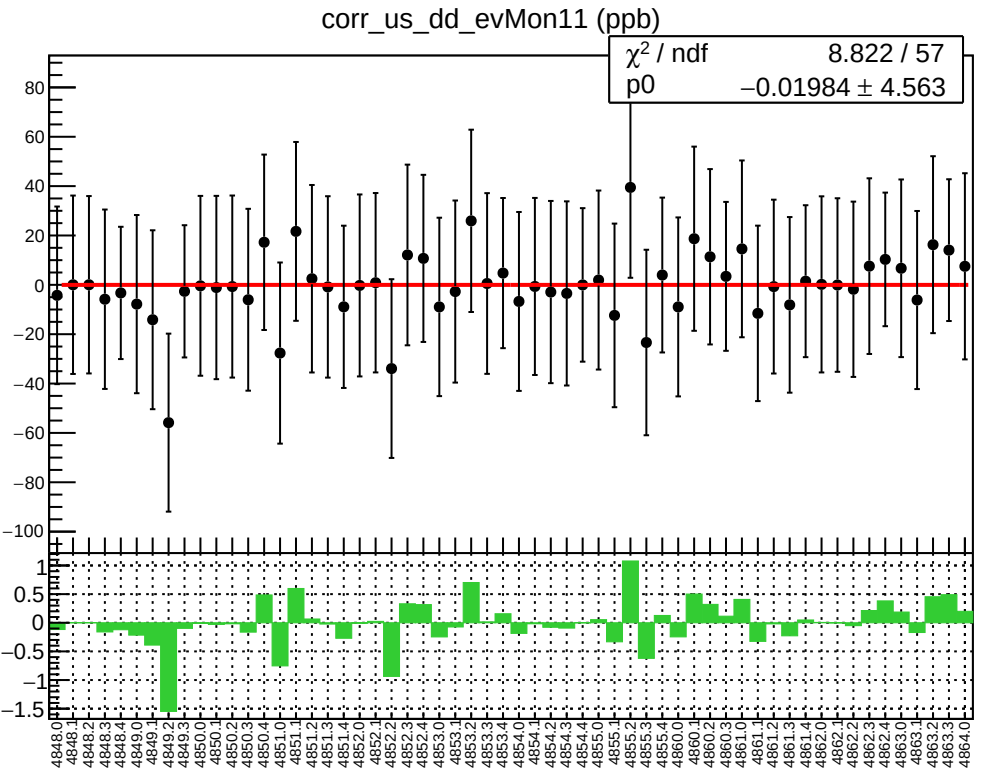

corr_us_dd_evMon9 (ppb)
χ² / ndf 45.26 / 57
p0 −3.794 ± 3.599
1D pull distribution
Mean −0.01357 ± 0.116
Std Dev 0.8833 ± 0.08201
Underflow 0
Overflow 0
χ² / ndf 4.848 / 6
Constant 13.6 ± 2.8
Mean −0.06928 ± 0.13376
Sigma 0.8598 ± 0.1517

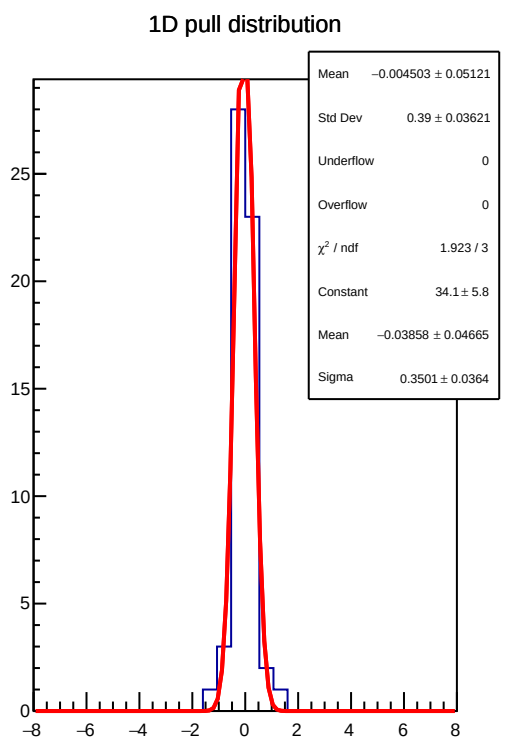

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

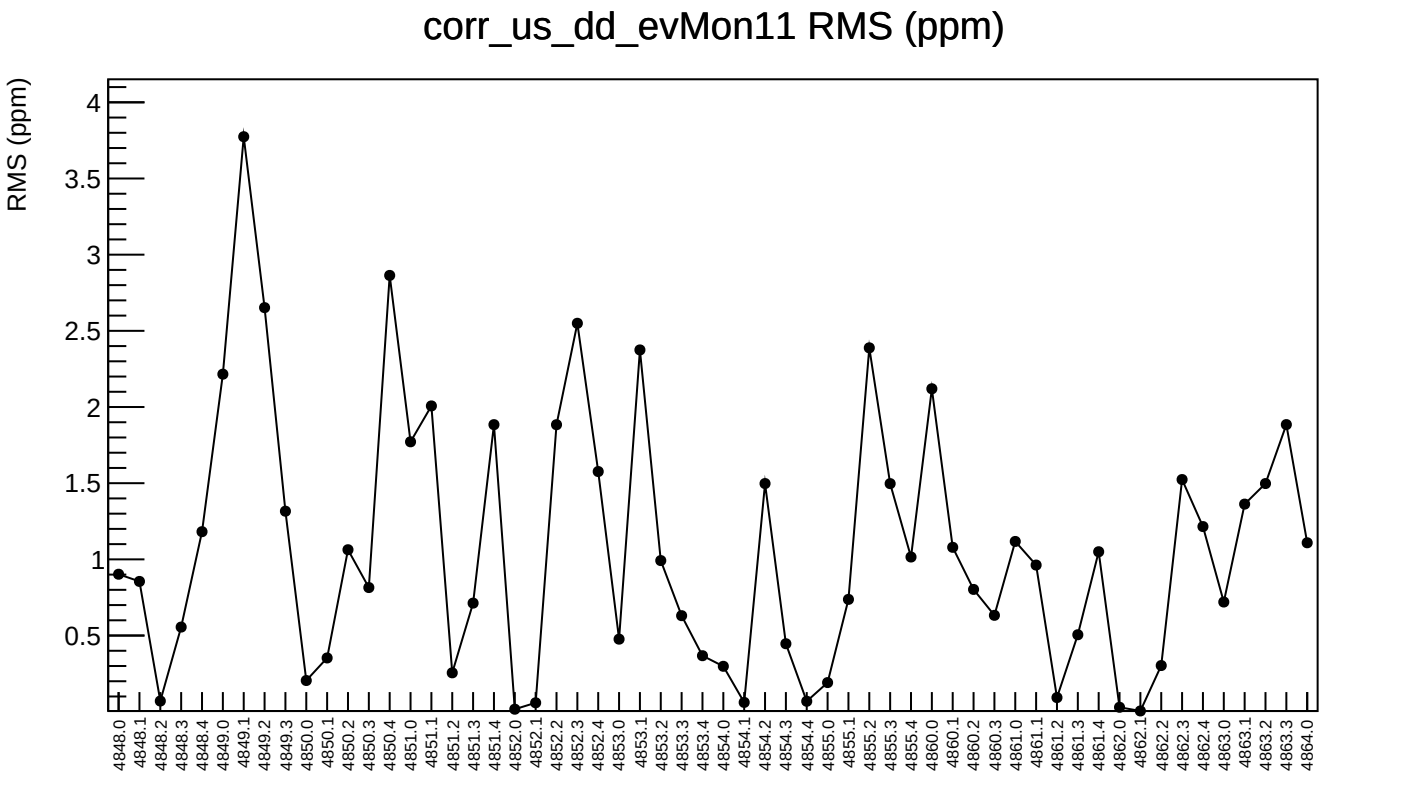

corr_us_dd_evMon10 (ppb)
χ² / ndf 12.16 / 57
p0 2.71 ± 6.834

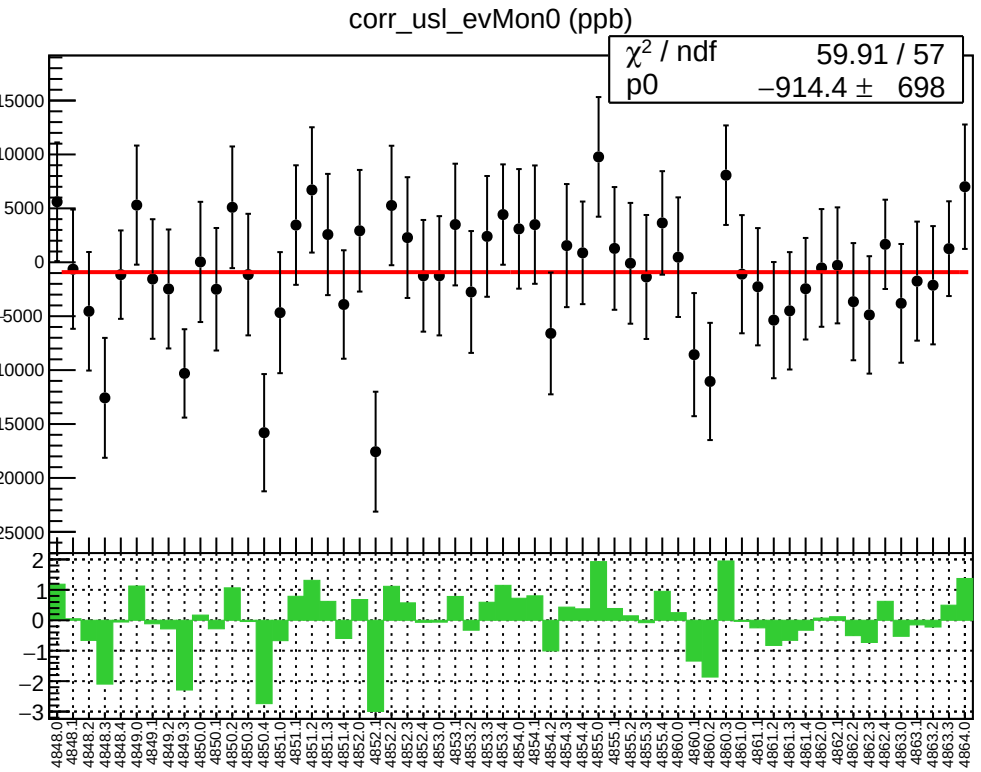

1D pull distribution
Mean −0.0006966 ± 0.06013
Std Dev 0.4579 ± 0.04252
Underflow 0
Overflow 0
χ² / ndf 4.174 / 3
Constant 27.4 ± 5.5
Mean 0.007341 ± 0.071368
Sigma 0.4201 ± 0.0615

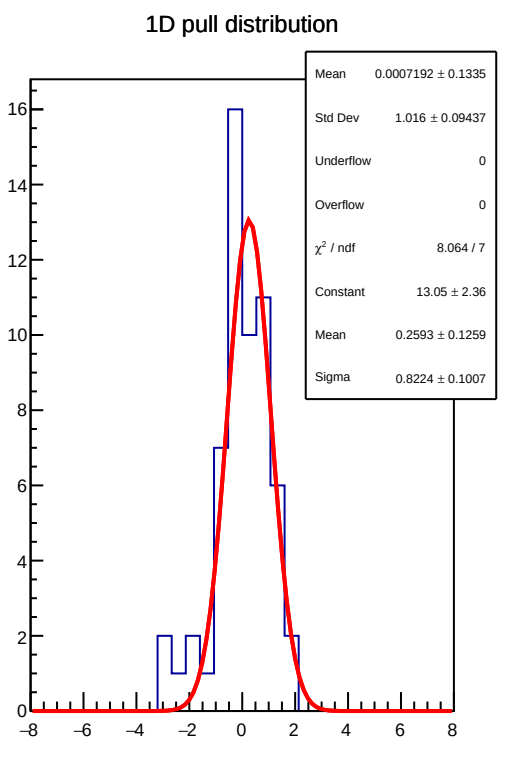

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

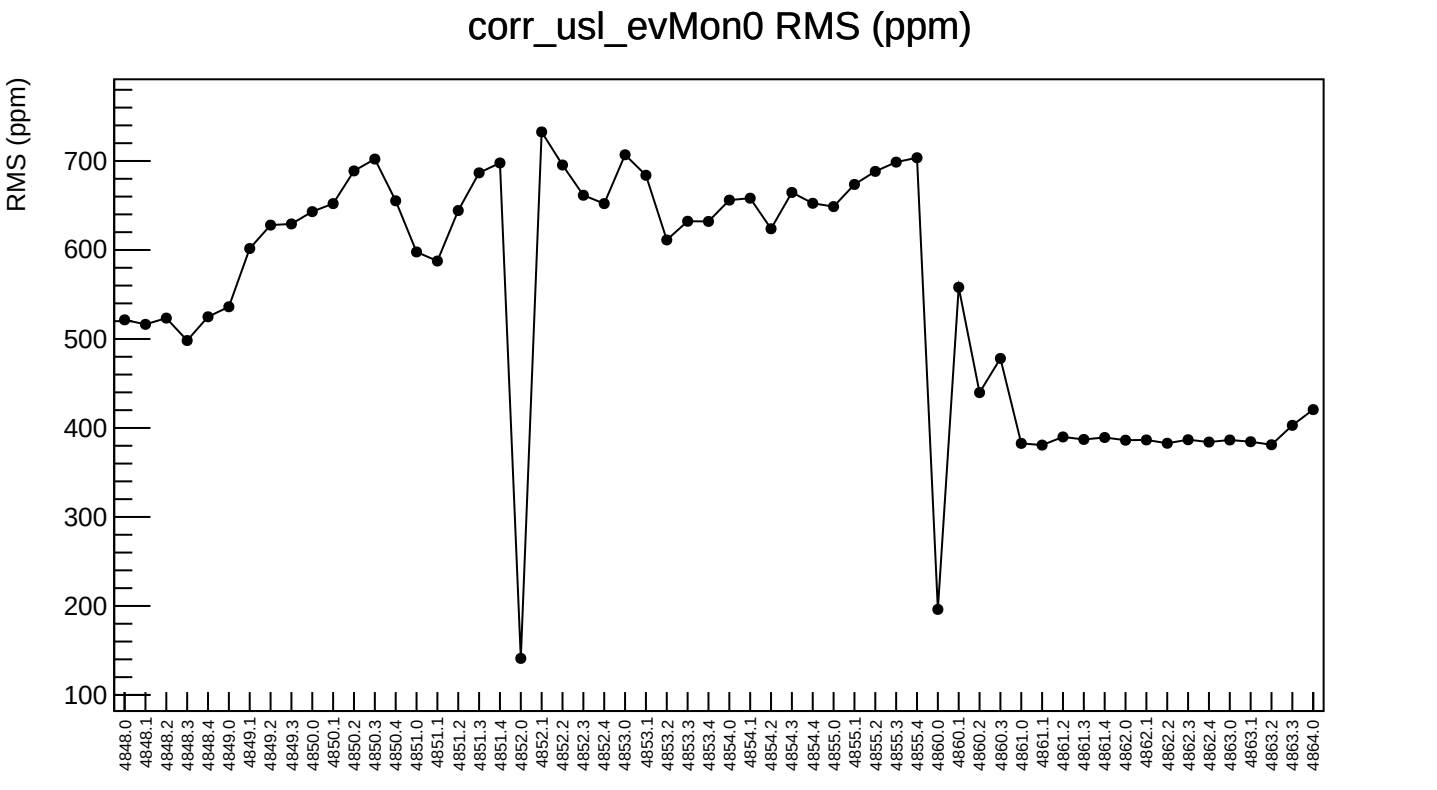

corr_us_dd_evMon11 (ppb)
χ² / ndf 8.822 / 57
p0 −0.01984 ± 4.563

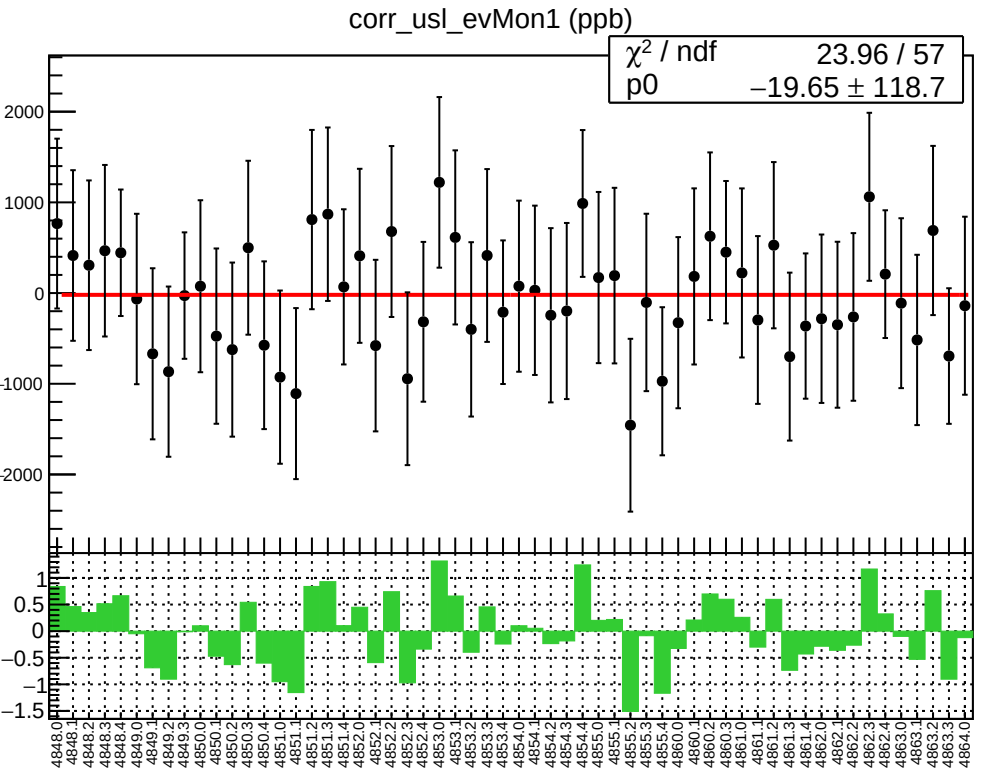

1D pull distribution
Mean −0.004503 ± 0.05121
Std Dev 0.39 ± 0.03621
Underflow 0
Overflow 0
χ² / ndf 1.923 / 3
Constant 34.1 ± 5.8
Mean −0.03858 ± 0.04665
Sigma 0.3501 ± 0.0364

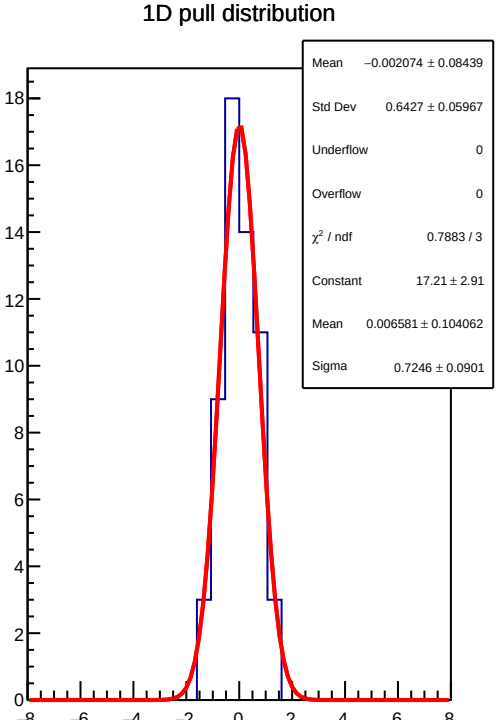

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

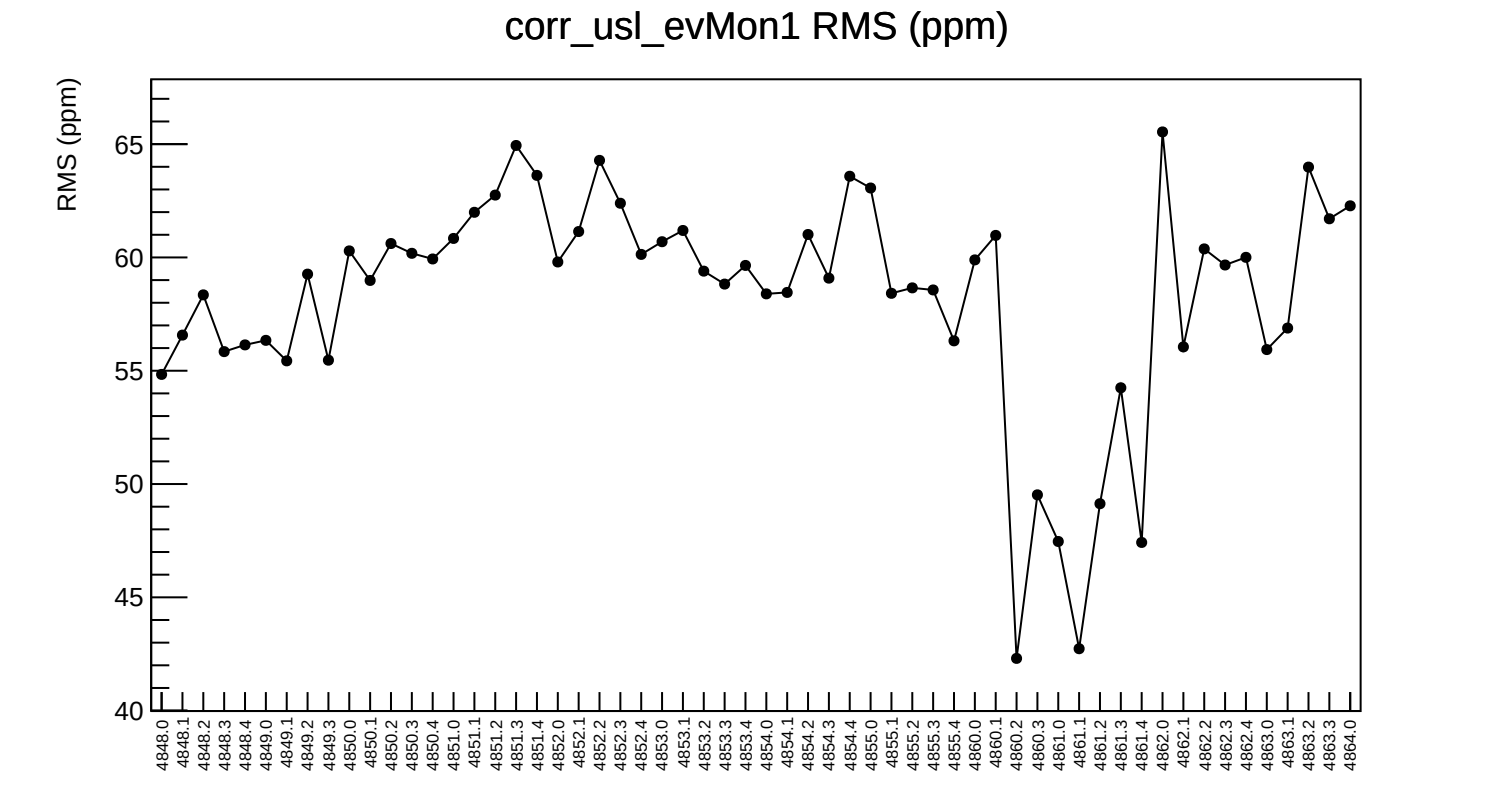

corr_usl_evMon0 (ppb)
χ² / ndf 59.91 / 57
p0 −914.4 ± 698

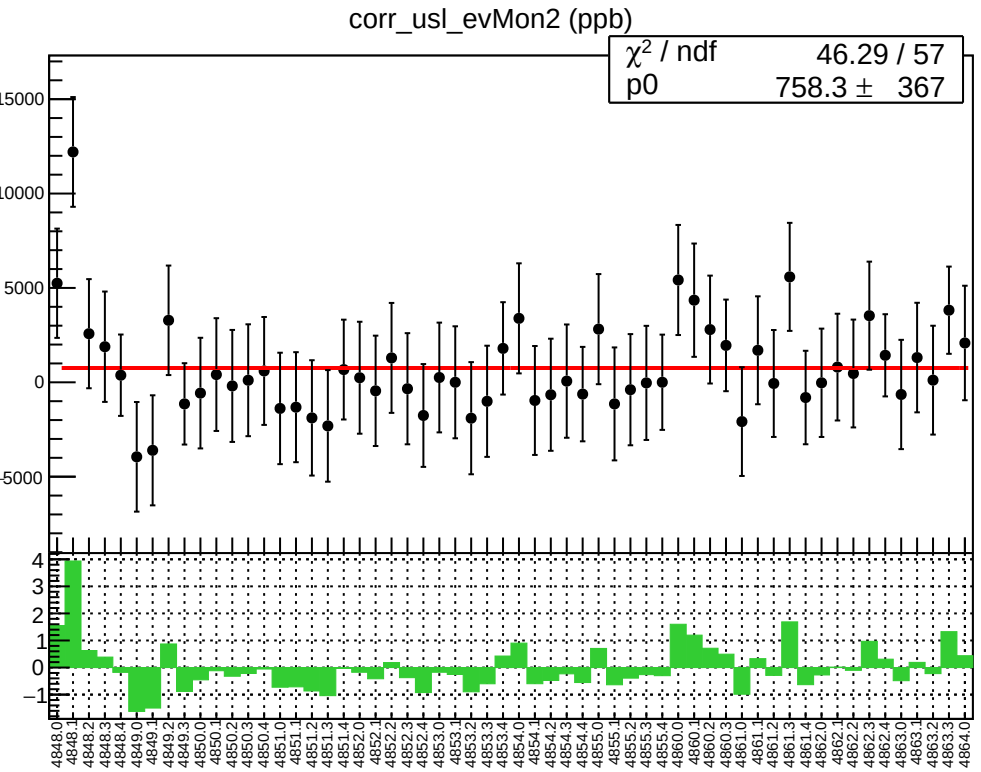

1D pull distribution
Mean 0.0007192 ± 0.1335
Std Dev 1.016 ± 0.09437
Underflow 0
Overflow 0
χ² / ndf 8.064 / 7
Constant 13.05 ± 2.36
Mean 0.2593 ± 0.1259
Sigma 0.8224 ± 0.1007

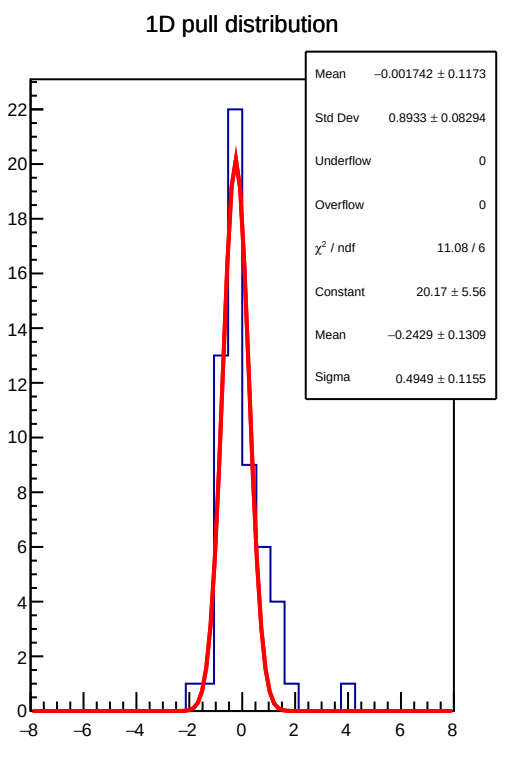

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
100
200
300
400
500
600
700
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

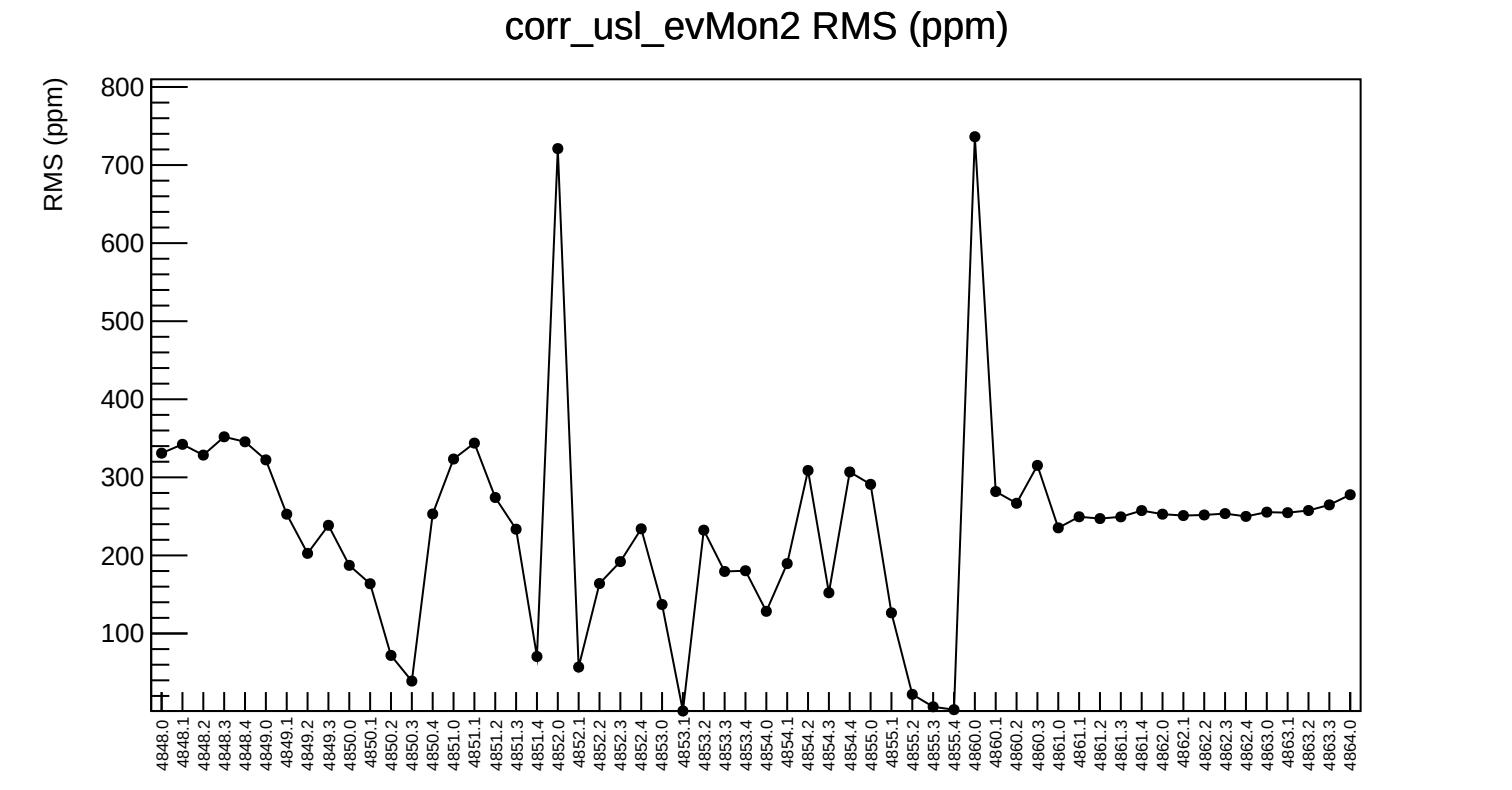

corr_usl_evMon1 (ppb)
χ² / ndf 23.96 / 57
p0 −19.65 ± 118.7
2000
1000
0
-1000
-2000
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

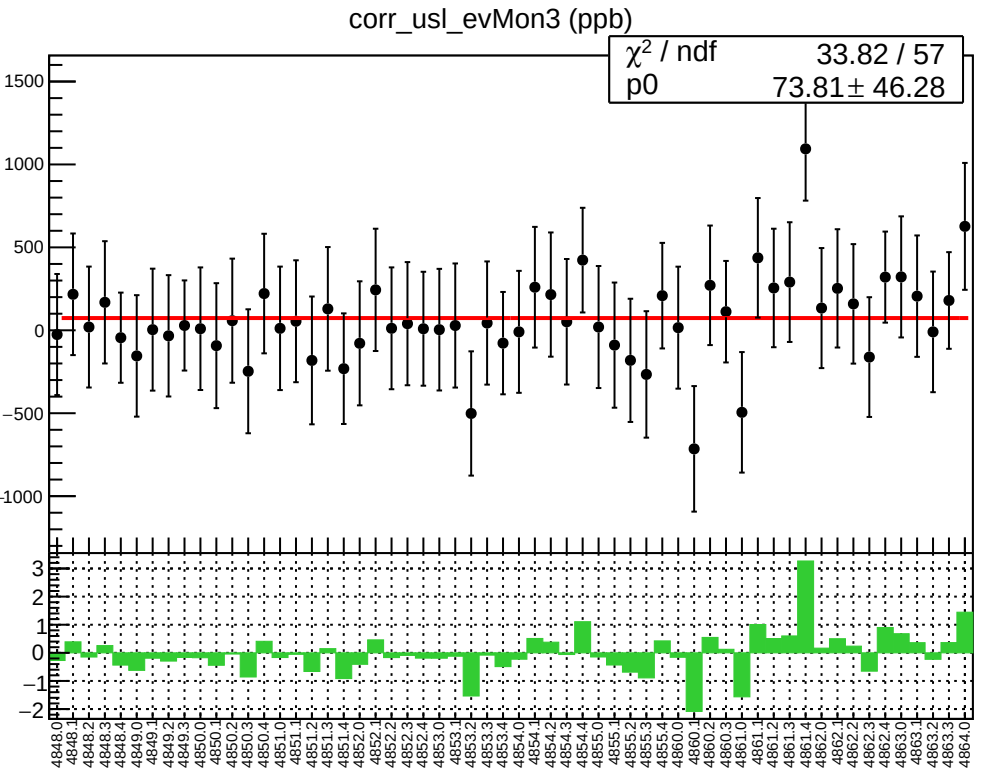

1D pull distribution
Mean −0.002074 ± 0.08439
Std Dev 0.6427 ± 0.05967
Underflow 0
Overflow 0
χ² / ndf 0.7883 / 3
Constant 17.21 ± 2.91
Mean 0.006581 ± 0.104062
Sigma 0.7246 ± 0.0901
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

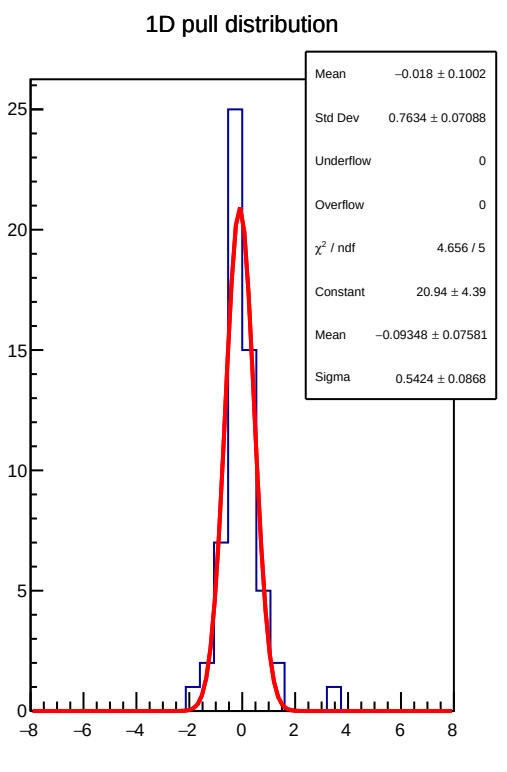

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
65
60
55
50
45
40
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

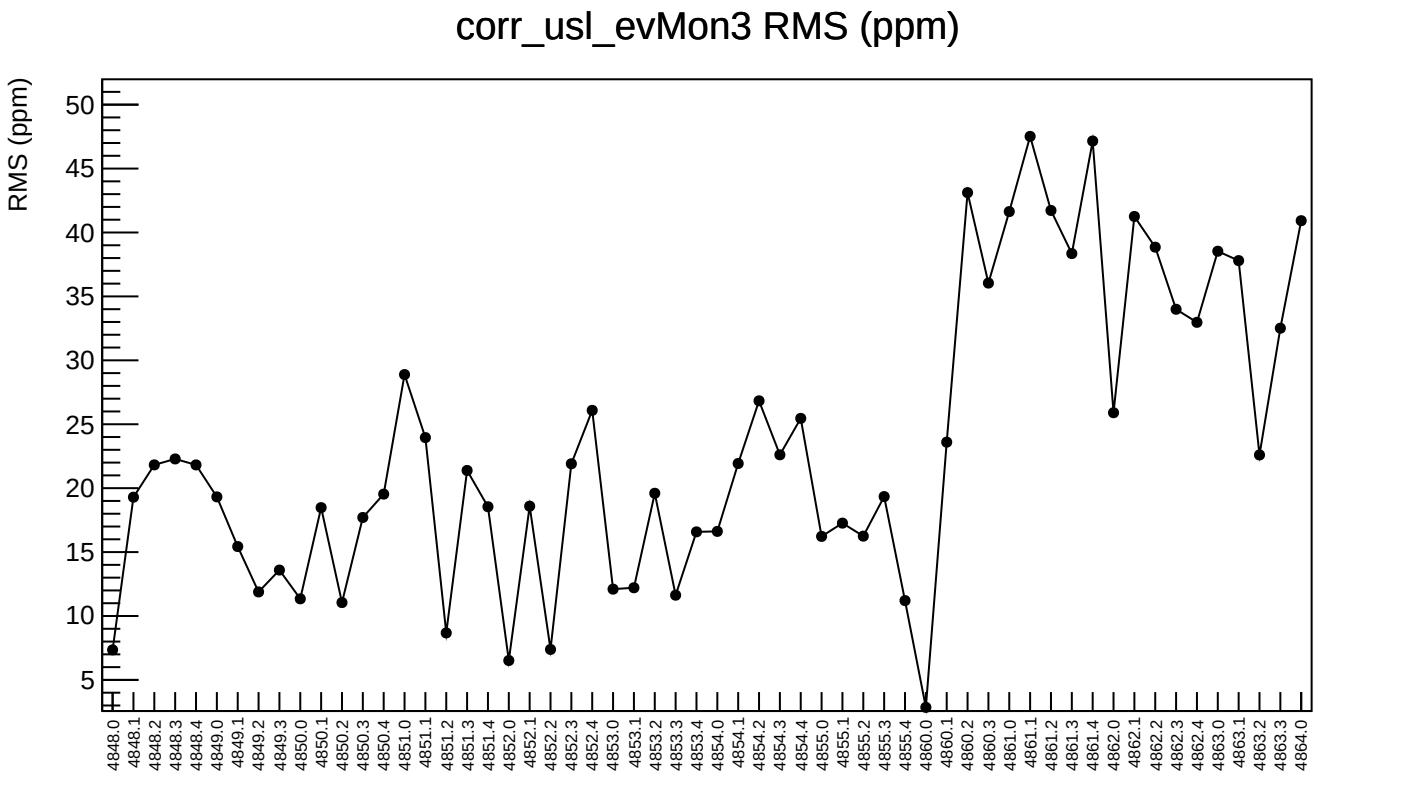

corr_usl_evMon2 (ppb)
χ² / ndf 46.29 / 57
p0 758.3 ± 367
15000
10000
5000
0
-5000
4
3
2
1
0
−1
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

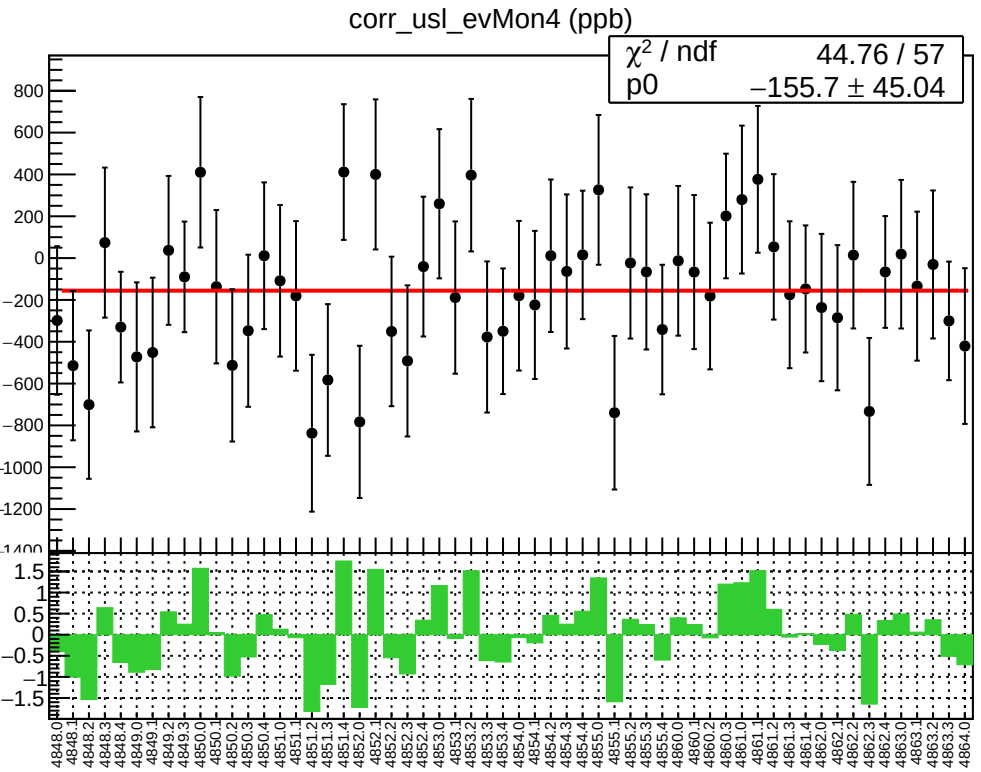

1D pull distribution
Mean −0.001742 ± 0.1173
Std Dev 0.8933 ± 0.08294
Underflow 0
Overflow 0
χ² / ndf 11.08 / 6
Constant 20.17 ± 5.56
Mean −0.2429 ± 0.1309
Sigma 0.4949 ± 0.1155
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

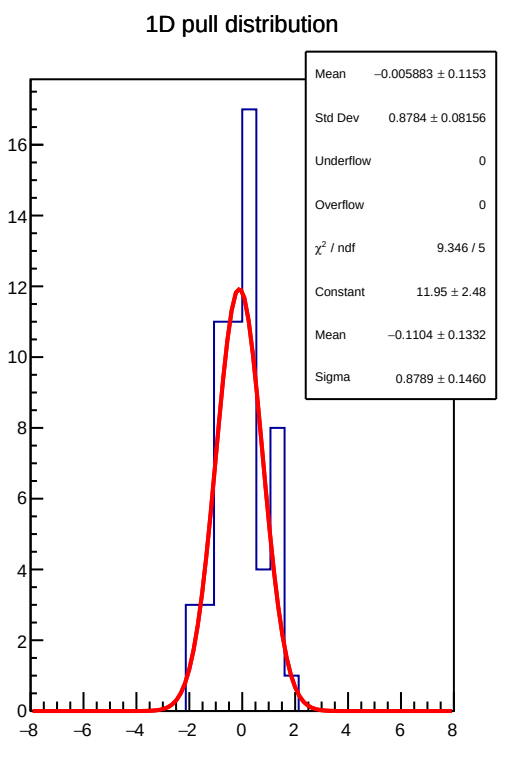

corr_usl_evMon2 RMS (ppm)
RMS (ppm)
800
700
600
500
400
300
200
100
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

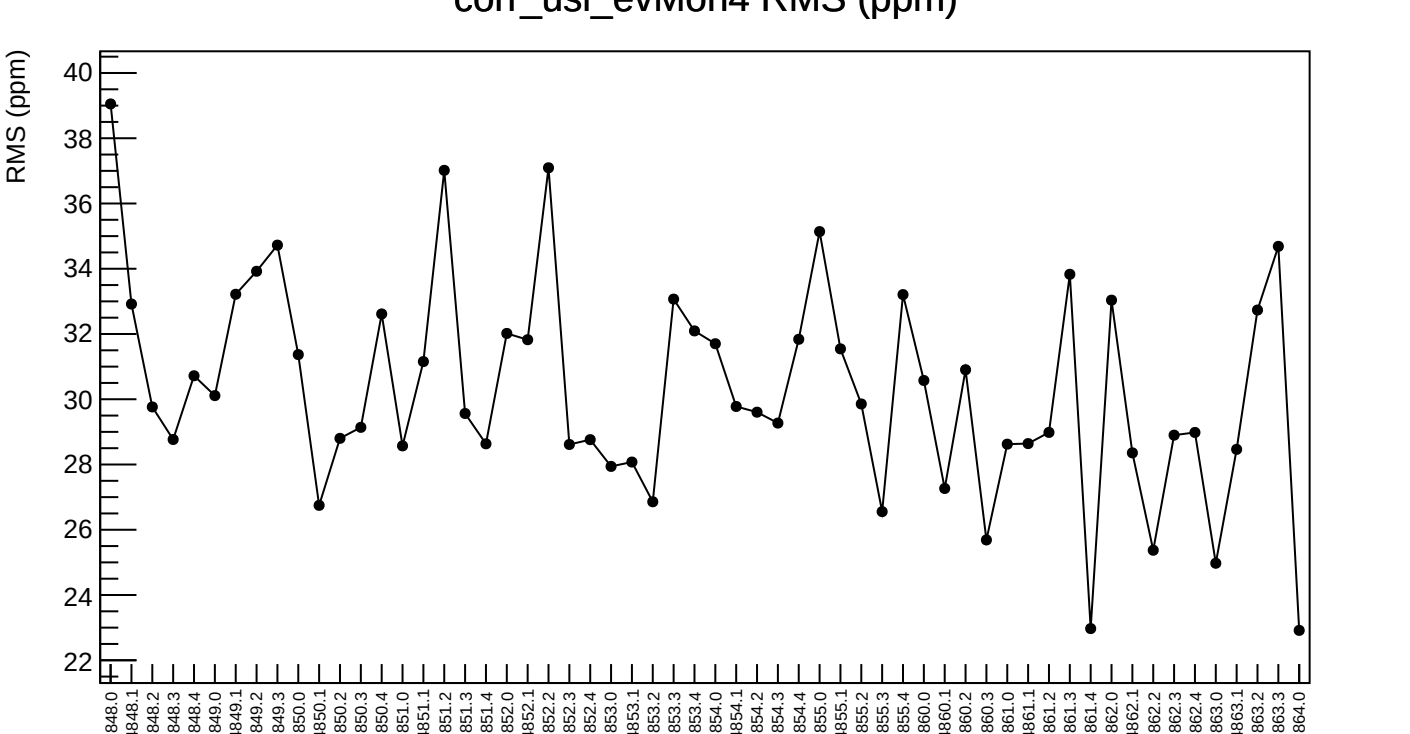

corr_usl_evMon3 (ppb)
χ² / ndf 33.82 / 57
p0 73.81 ± 46.28
1500
1000
500
0
−500
−1000
3
2
1
0
−1
−2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

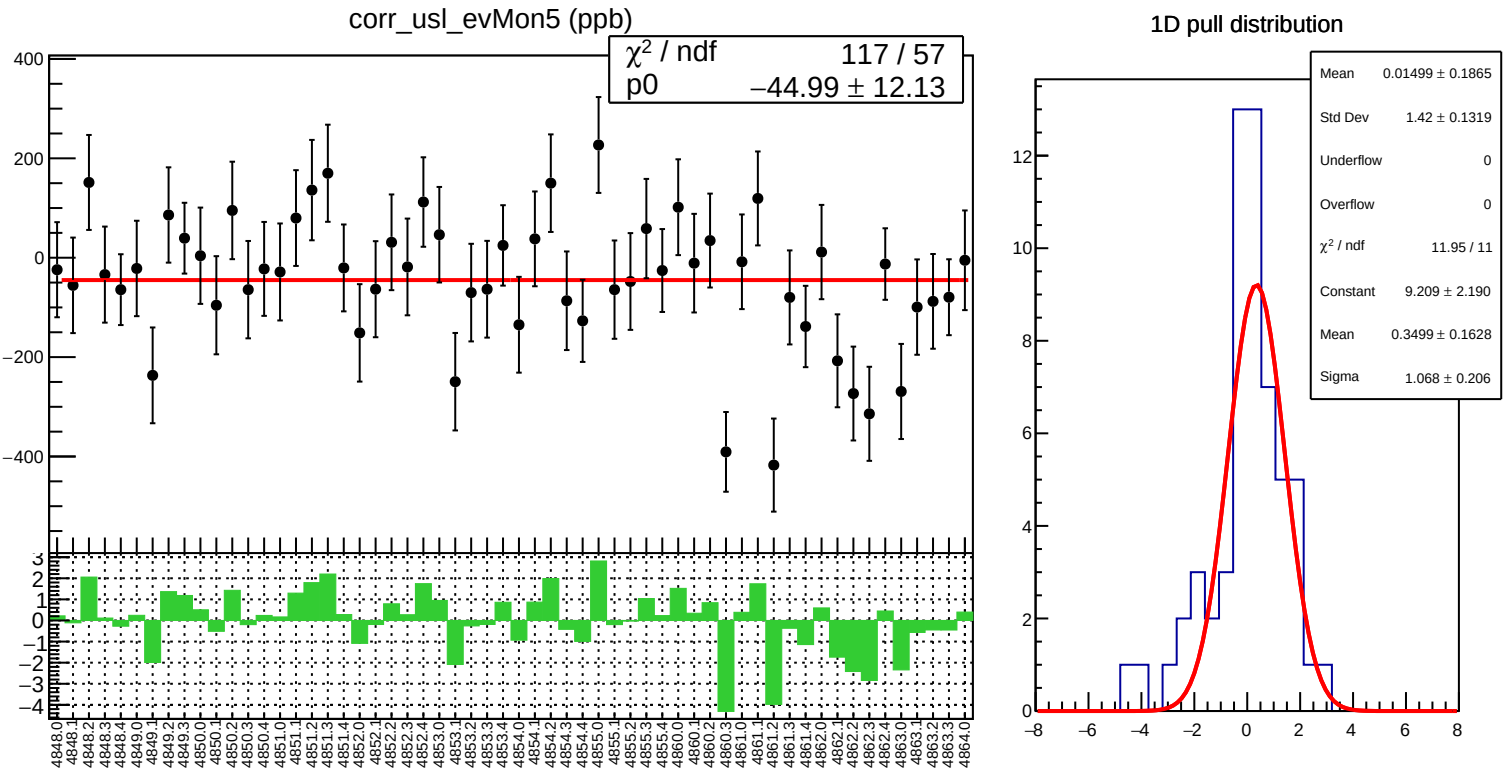

1D pull distribution
Mean −0.018 ± 0.1002
Std Dev 0.7634 ± 0.07088
Underflow 0
Overflow 0
χ² / ndf 4.656 / 5
Constant 20.94 ± 4.39
Mean −0.09348 ± 0.07581
Sigma 0.5424 ± 0.0868
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

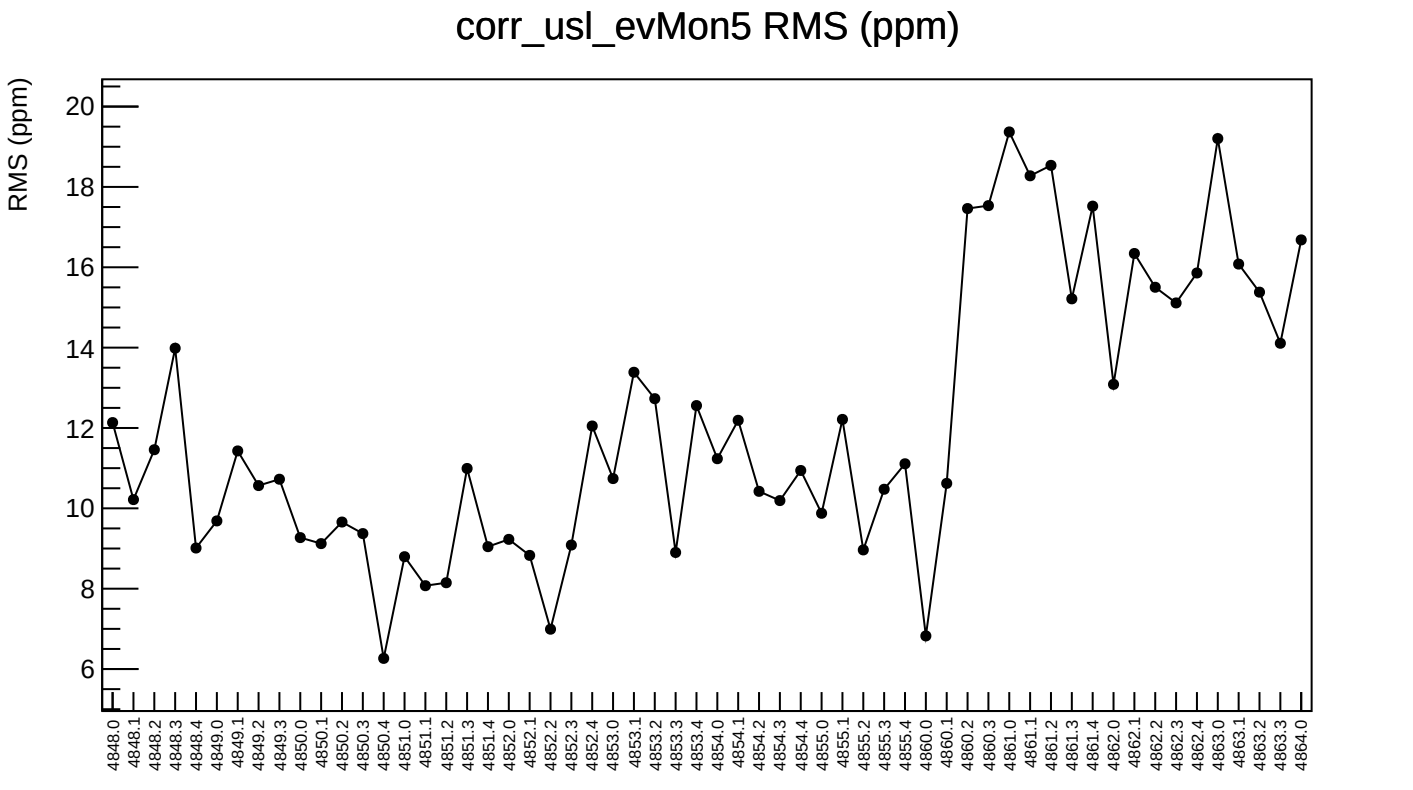

corr_usl_evMon3 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
20
15
10
5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

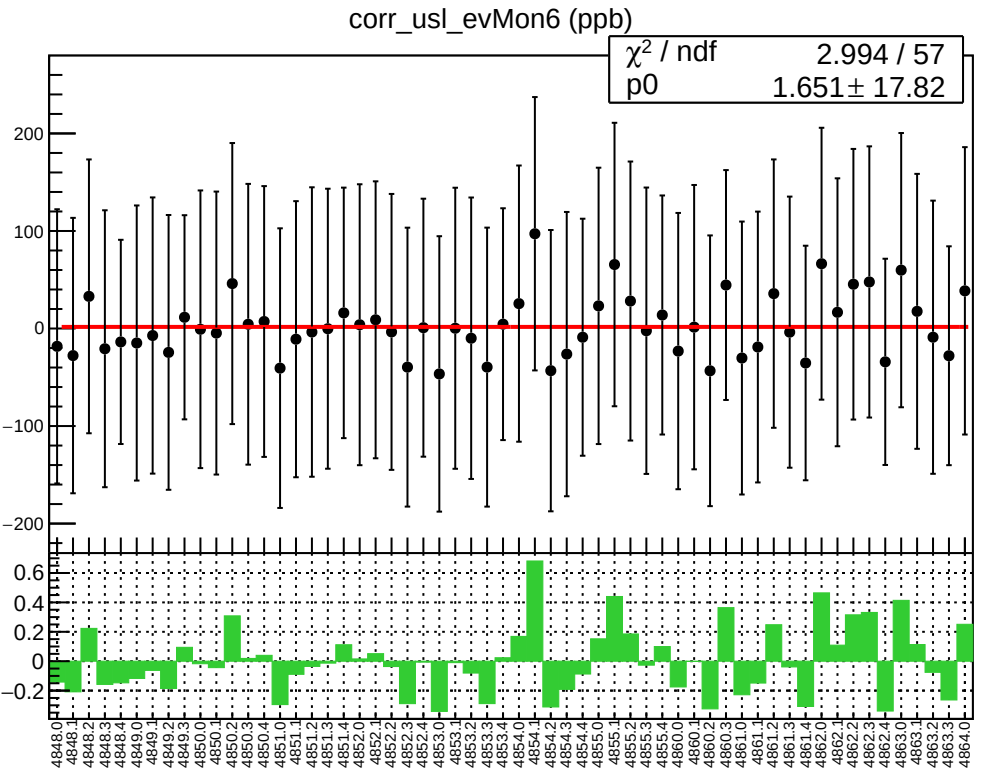

corr_usl_evMon4 (ppb)
χ² / ndf 44.76 / 57
p0 −155.7 ± 45.04

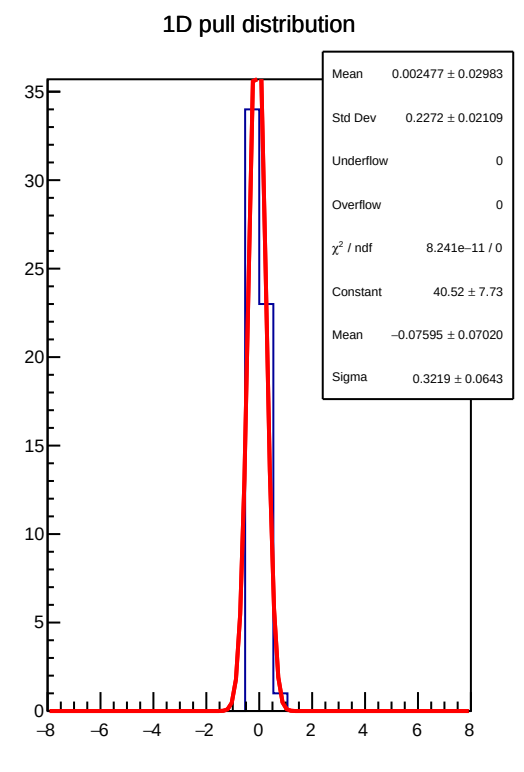

1D pull distribution
Mean −0.005883 ± 0.1153
Std Dev 0.8784 ± 0.08156
Underflow 0
Overflow 0
χ² / ndf 9.346 / 5
Constant 11.95 ± 2.48
Mean −0.1104 ± 0.1332
Sigma 0.8789 ± 0.1460

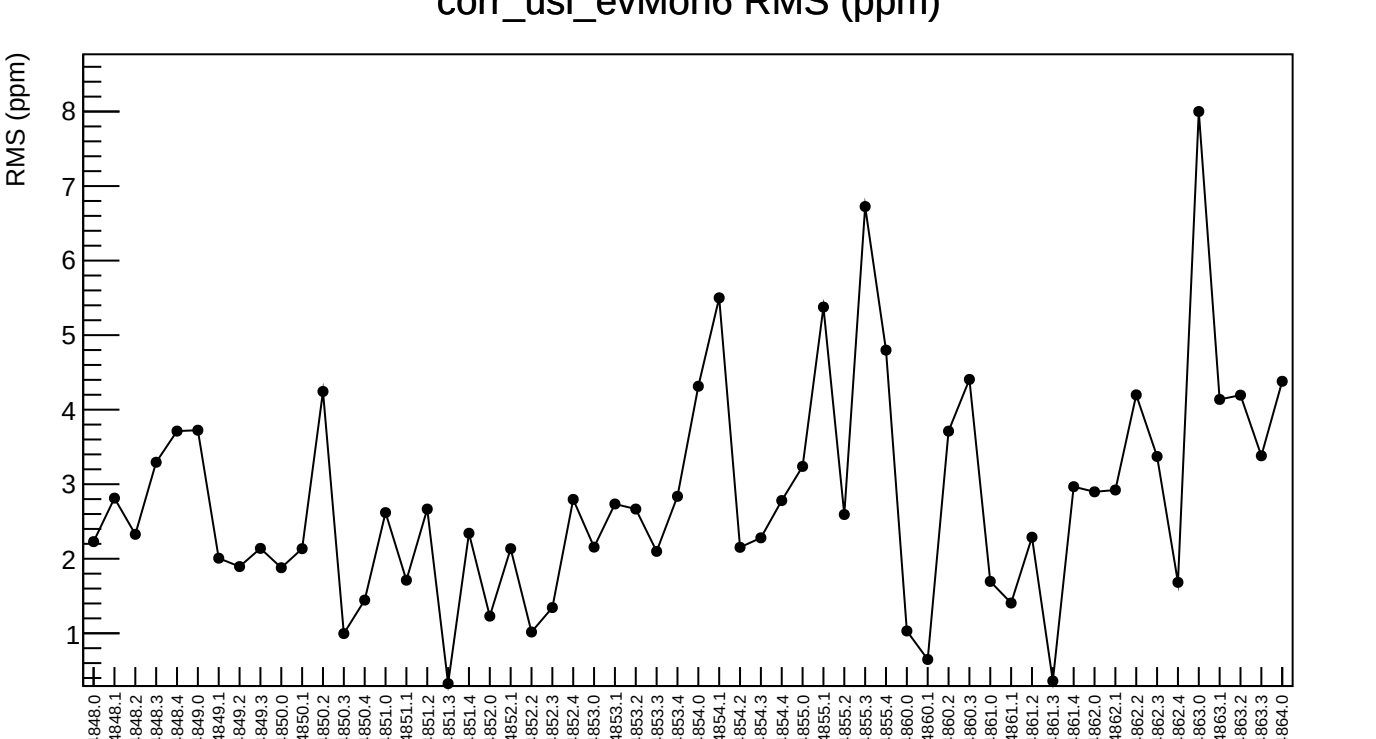

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
40
38
36
34
32
30
28
26
24
22
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

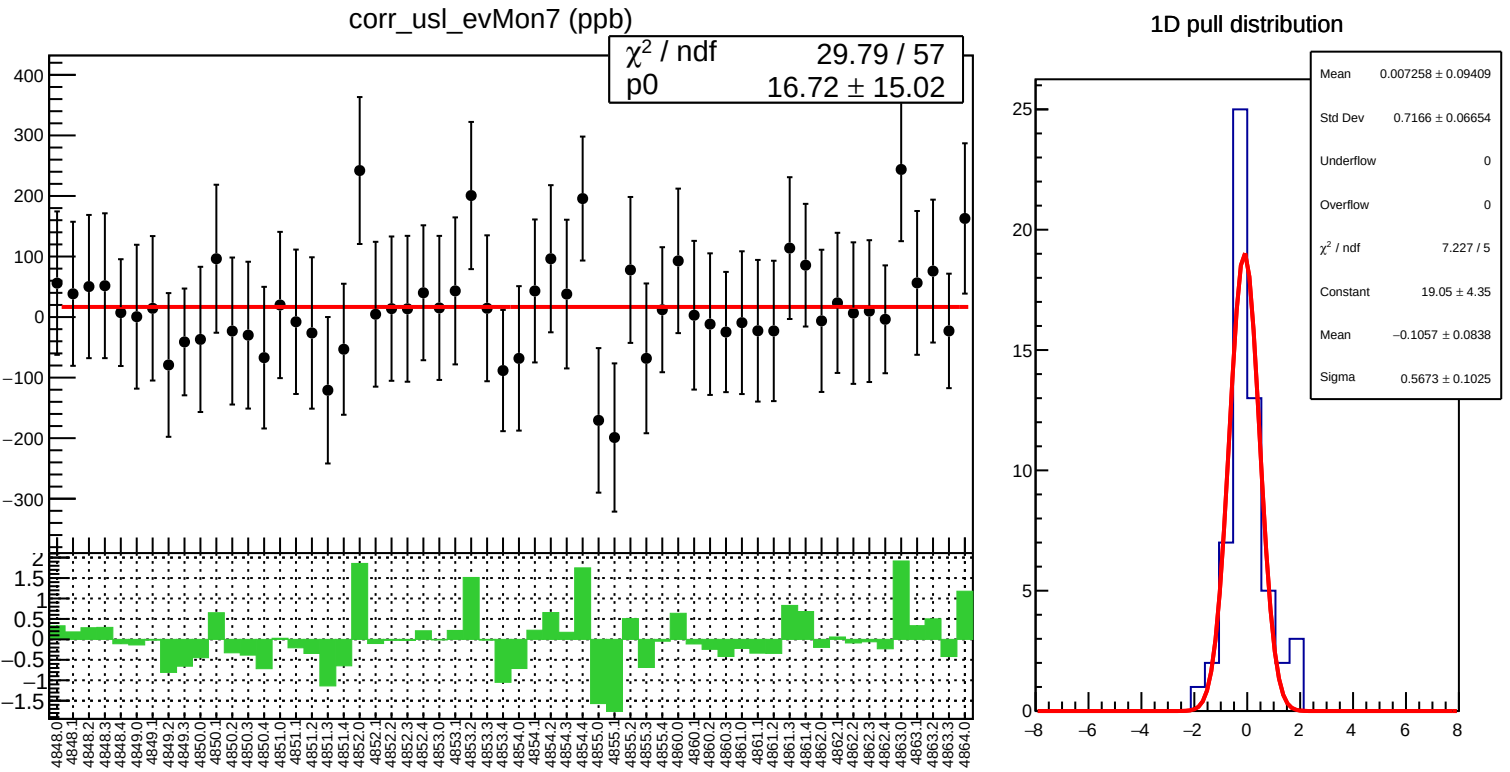

corr_usl_evMon5 (ppb)
χ² / ndf 117 / 57
p0 −44.99 ± 12.13
1D pull distribution
Mean 0.01499 ± 0.1865
Std Dev 1.42 ± 0.1319
Underflow 0
Overflow 0
χ² / ndf 11.95 / 11
Constant 9.209 ± 2.190
Mean 0.3499 ± 0.1628
Sigma 1.068 ± 0.206

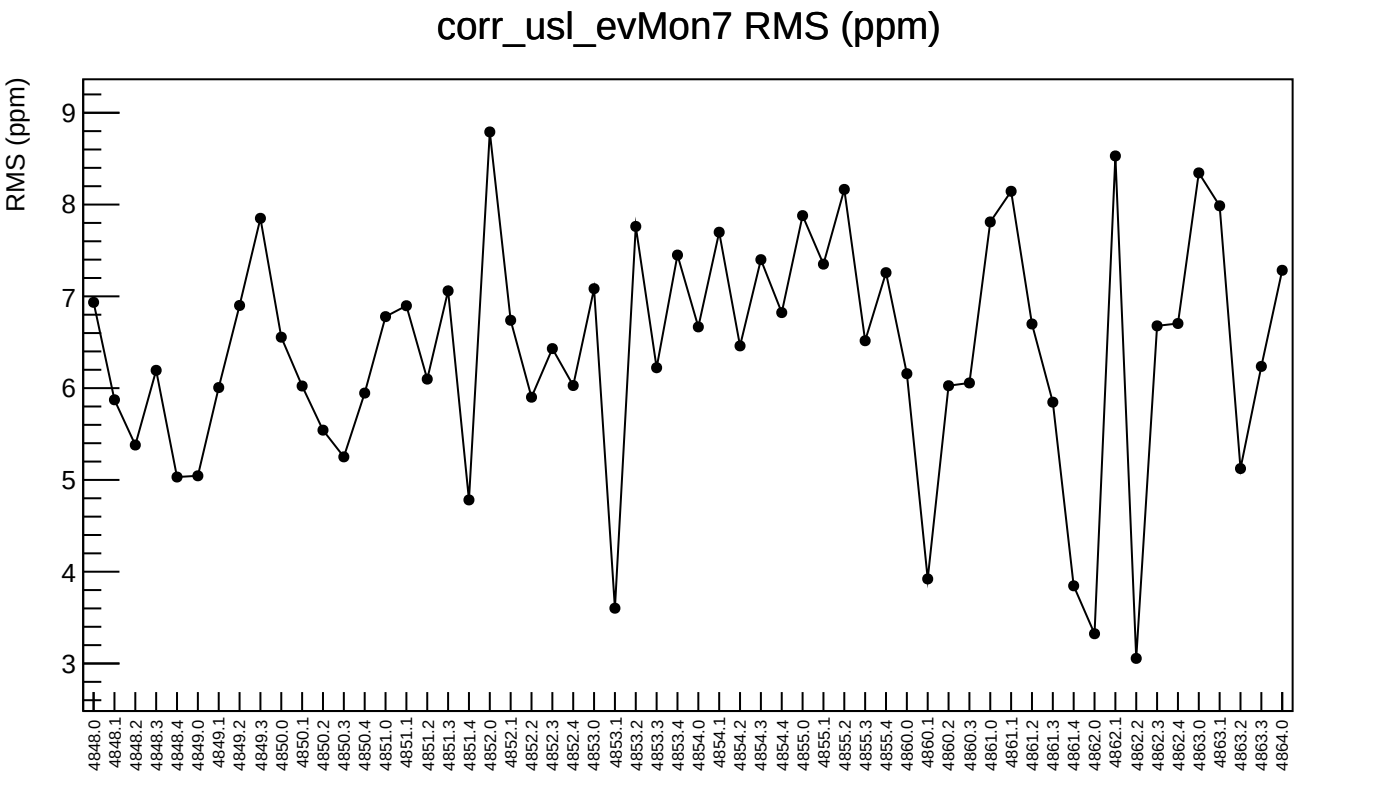

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
20
18
16
14
12
10
8
6
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

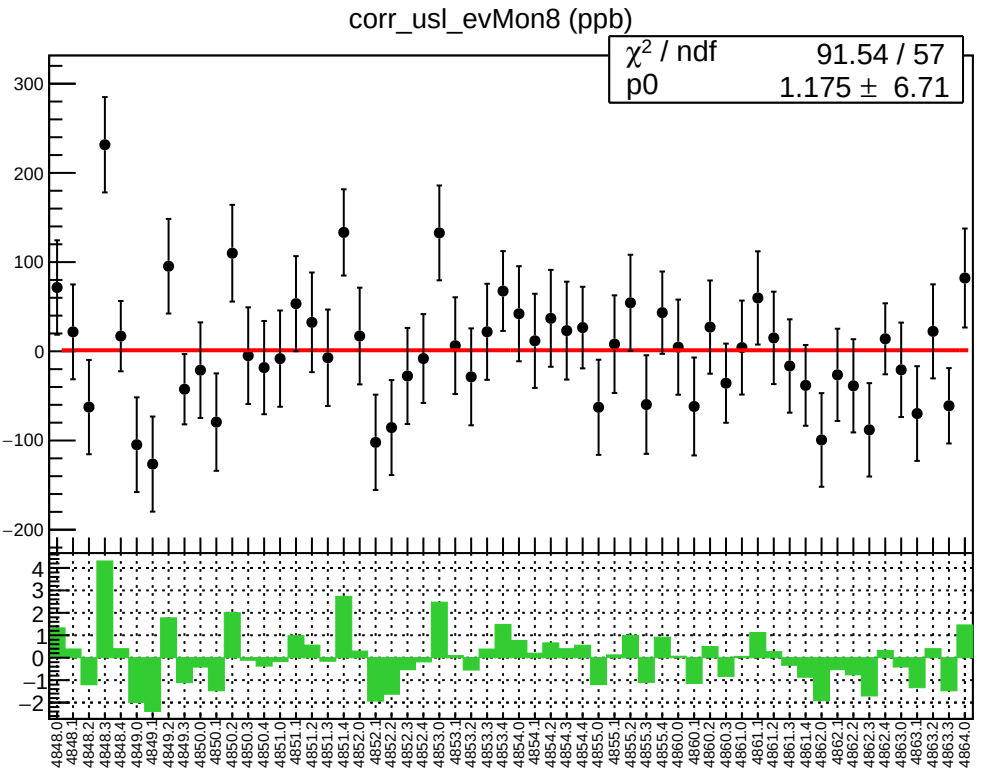

corr_usl_evMon6 (ppb)
χ² / ndf 2.994 / 57
p0 1.651± 17.82
200
100
0
−100
−200
0.6
0.4
0.2
0
−0.2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

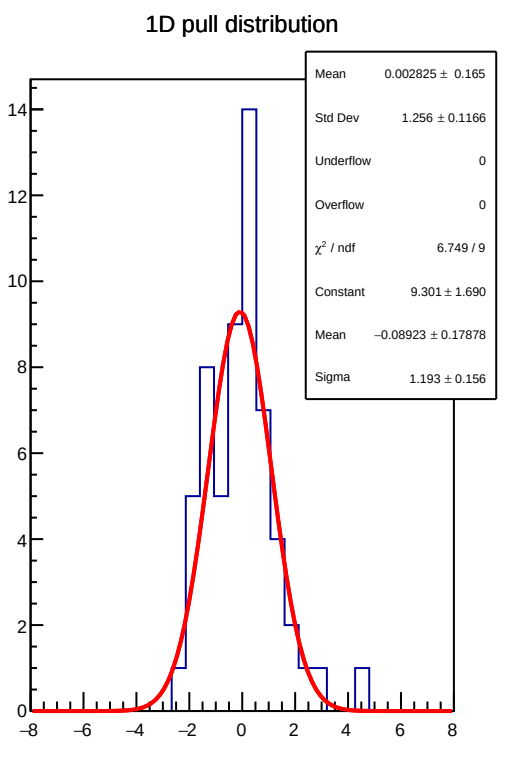

1D pull distribution
Mean 0.002477 ± 0.02983
Std Dev 0.2272 ± 0.02109
Underflow 0
Overflow 0
χ² / ndf 8.241e−11 / 0
Constant 40.52 ± 7.73
Mean −0.07595 ± 0.07020
Sigma 0.3219 ± 0.0643
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

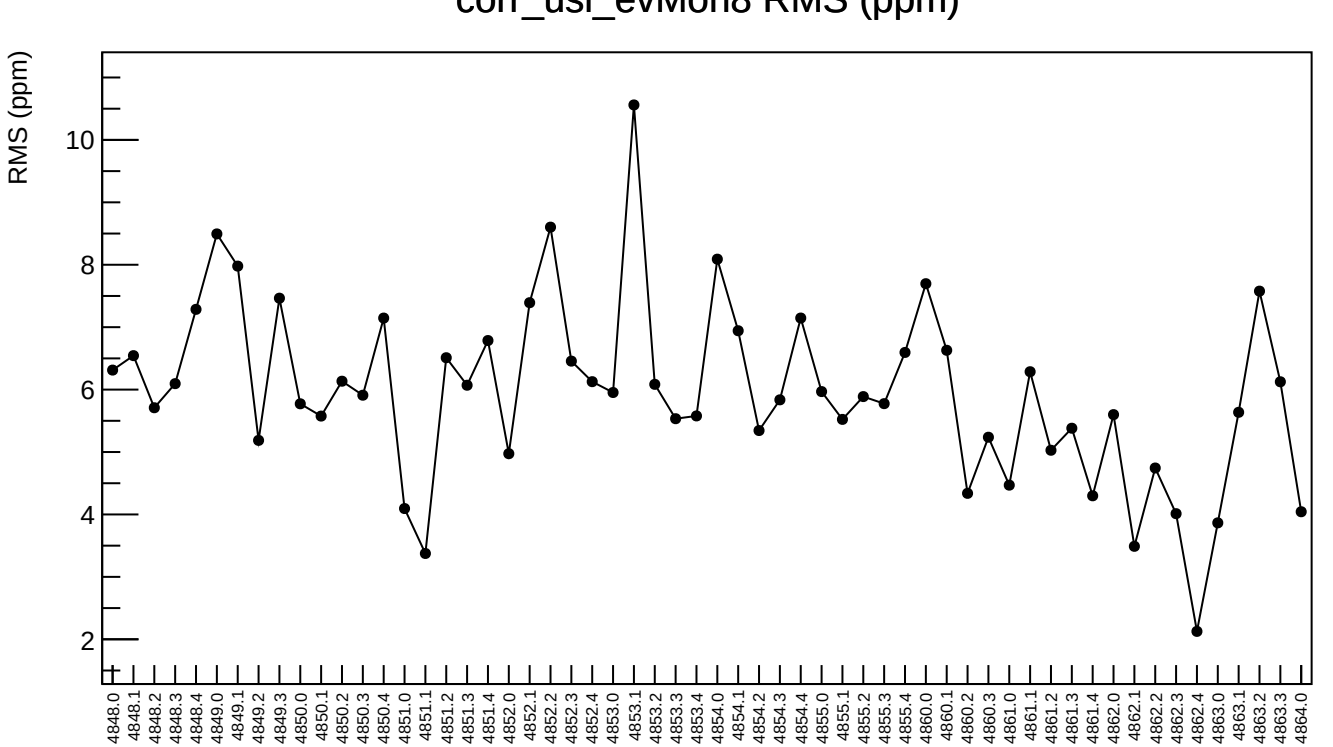

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

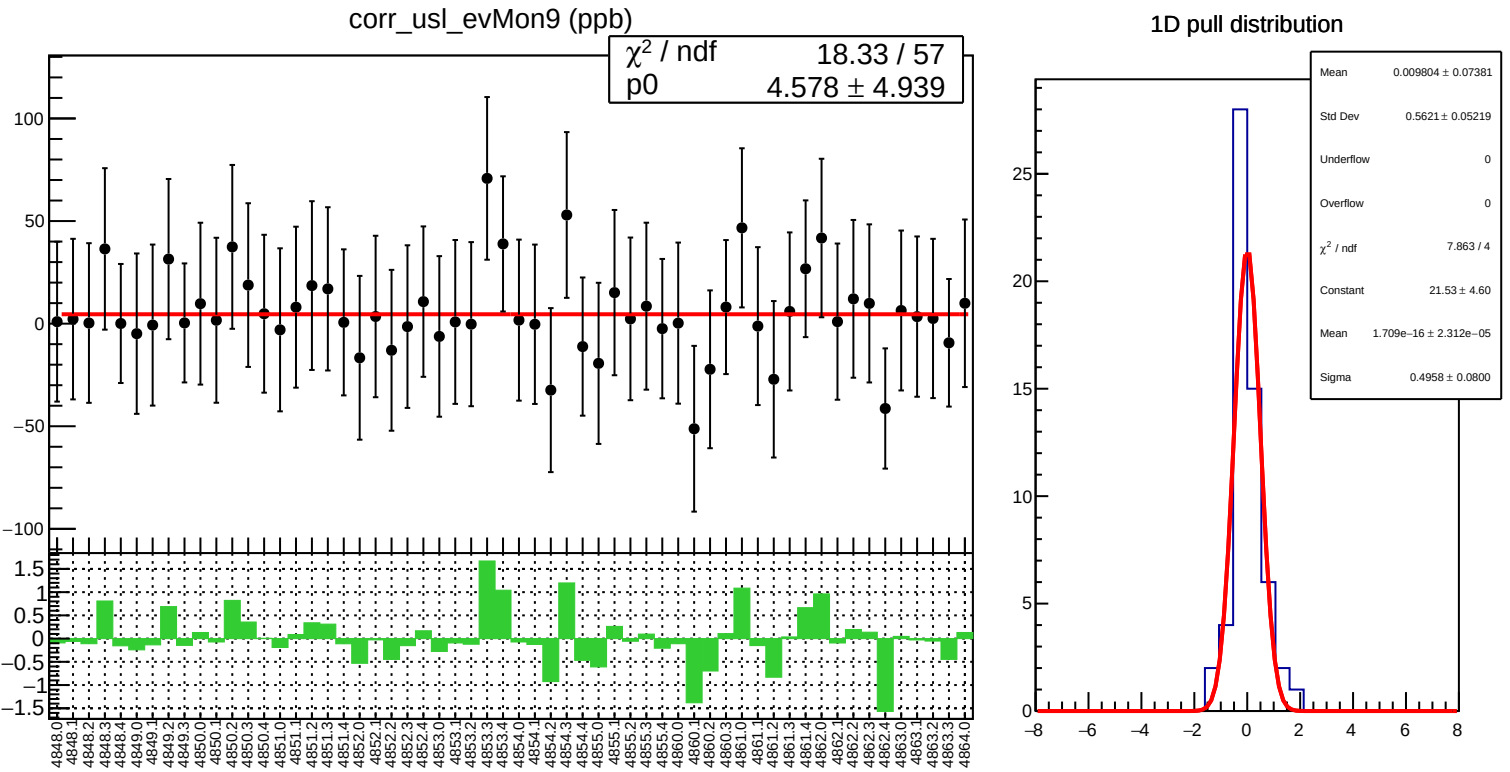

corr_usl_evMon7 (ppb)
χ² / ndf 29.79 / 57
p0 16.72 ± 15.02
1D pull distribution
Mean 0.007258 ± 0.09409
Std Dev 0.7166 ± 0.06654
Underflow 0
Overflow 0
χ² / ndf 7.227 / 5
Constant 19.05 ± 4.35
Mean −0.1057 ± 0.0838
Sigma 0.5673 ± 0.1025

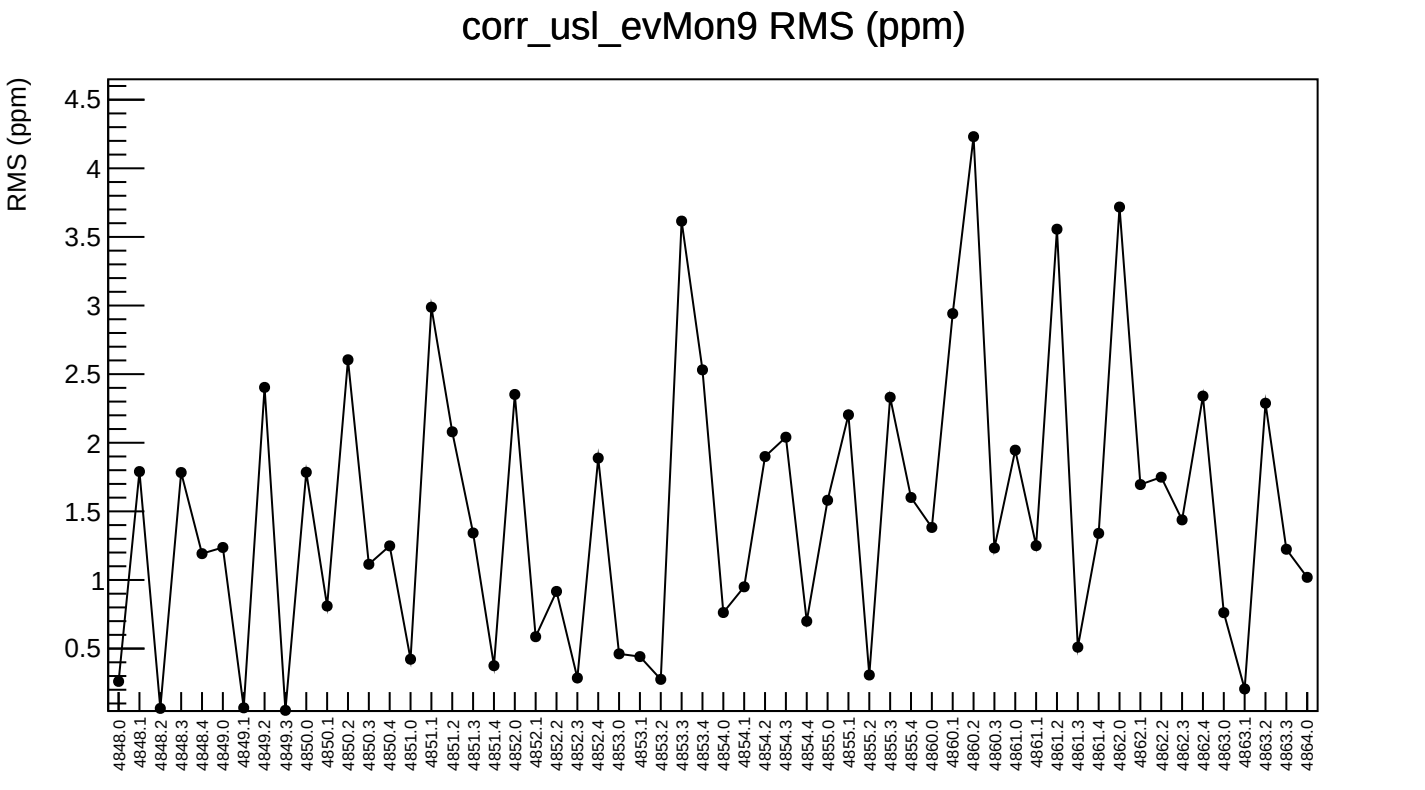

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
9
8
7
6
5
4
3
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

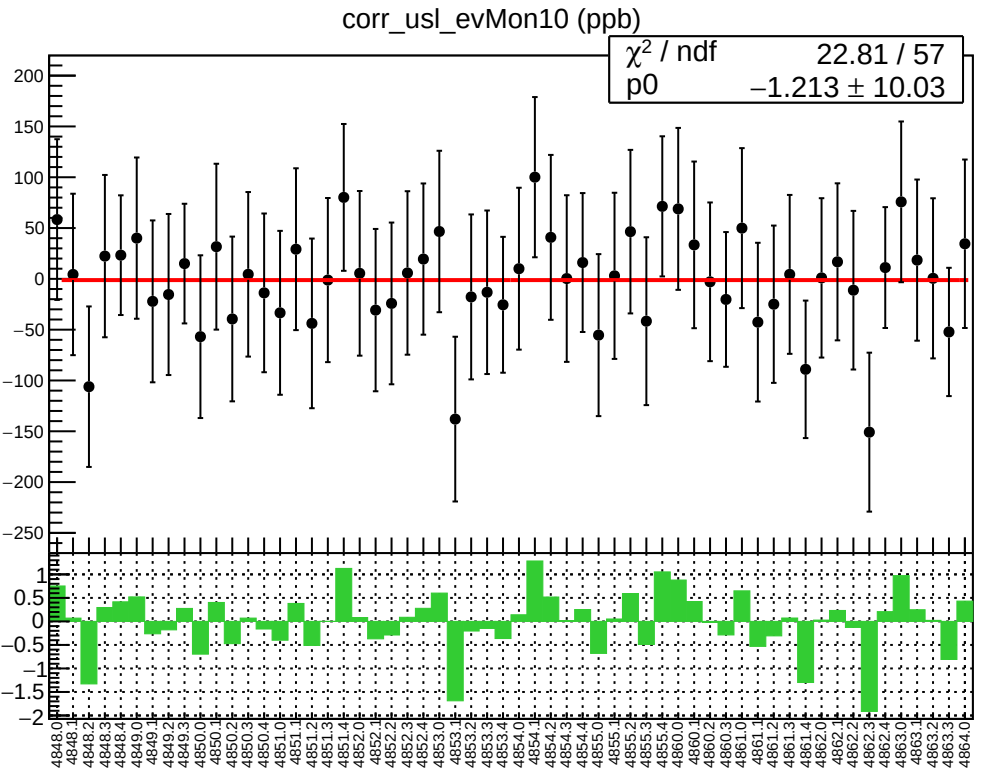

corr_usl_evMon8 (ppb)
χ² / ndf 91.54 / 57
p0 1.175 ± 6.71

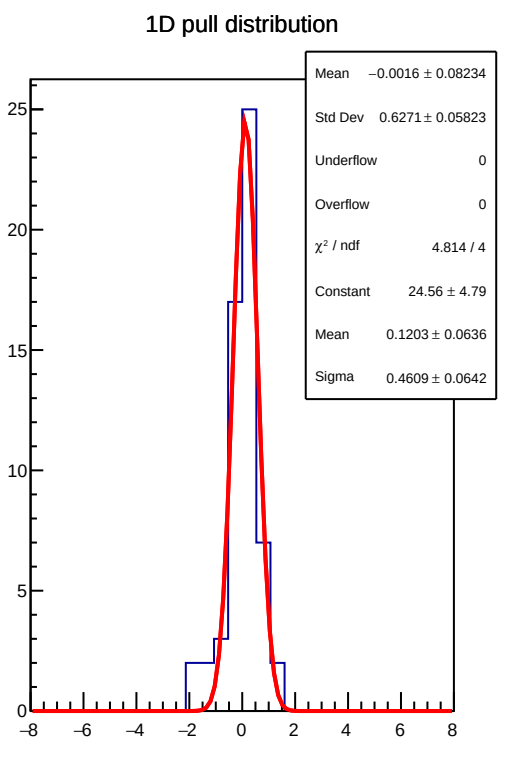

1D pull distribution
Mean 0.002825 ± 0.165
Std Dev 1.256 ± 0.1166
Underflow 0
Overflow 0
χ² / ndf 6.749 / 9
Constant 9.301 ± 1.690
Mean −0.08923 ± 0.17878
Sigma 1.193 ± 0.156

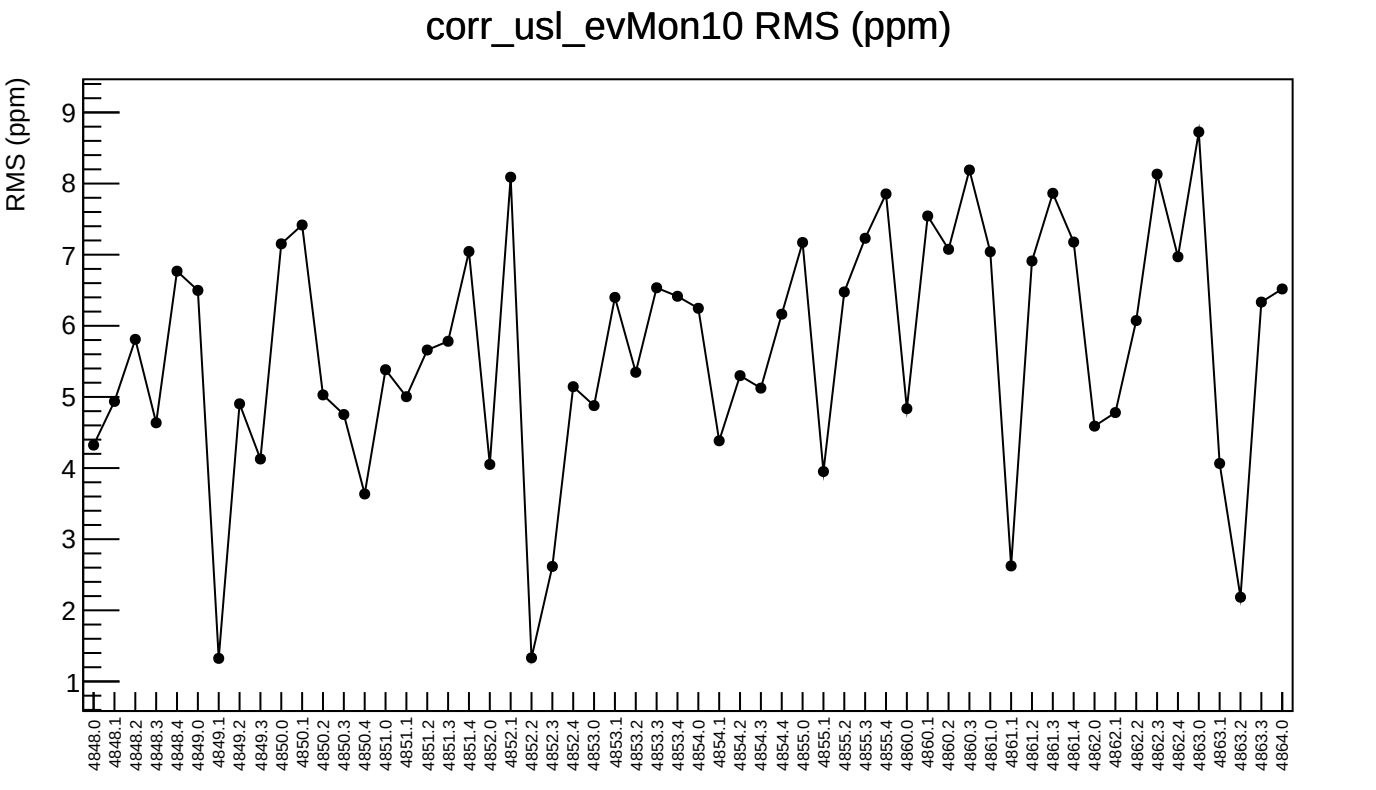

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
10
8
6
4
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

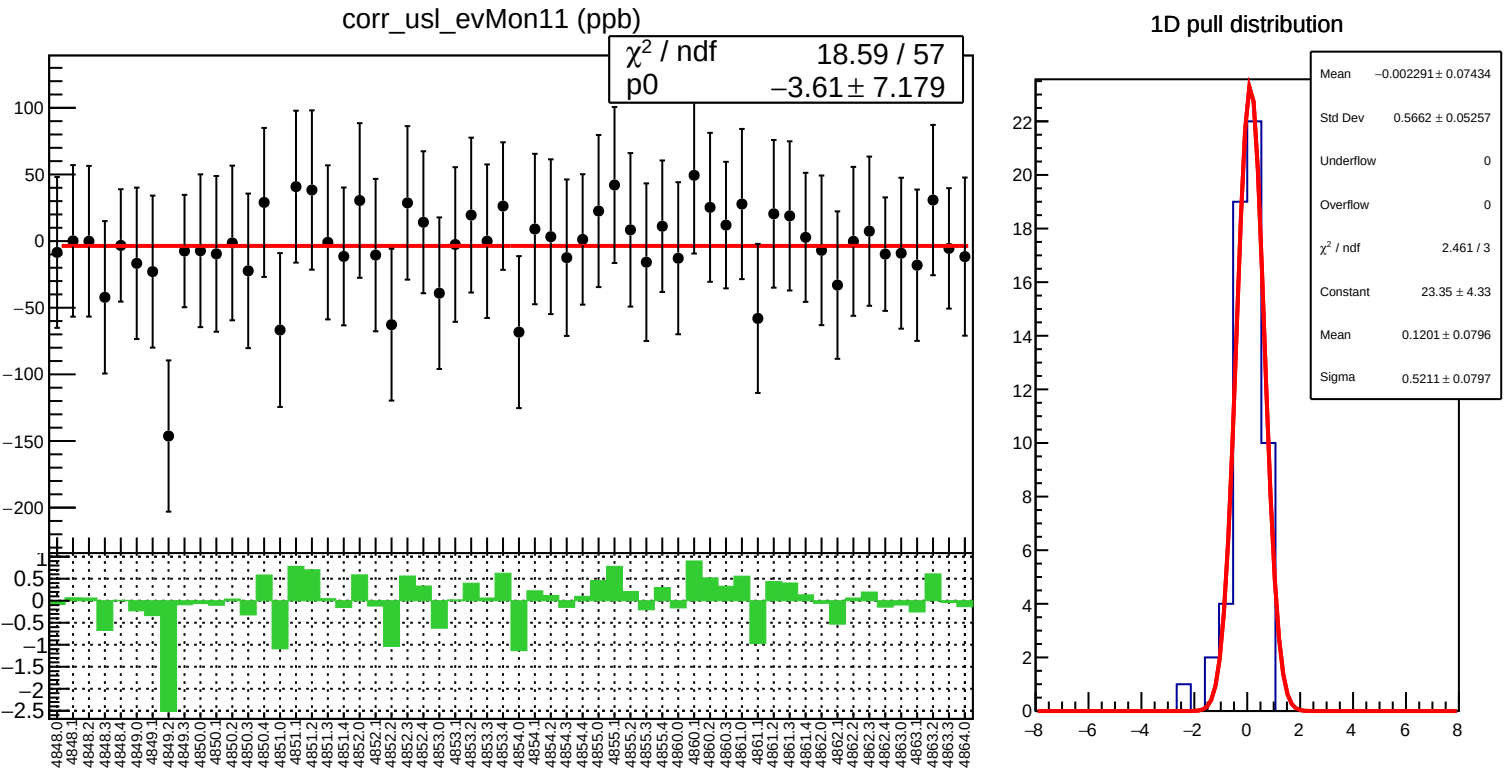

corr_usl_evMon9 (ppb)
χ² / ndf 18.33 / 57
p0 4.578 ± 4.939
1D pull distribution
Mean 0.009804 ± 0.07381
Std Dev 0.5621 ± 0.05219
Underflow 0
Overflow 0
χ² / ndf 7.863 / 4
Constant 21.53 ± 4.60
Mean 1.709e−16 ± 2.312e−05
Sigma 0.4958 ± 0.0800

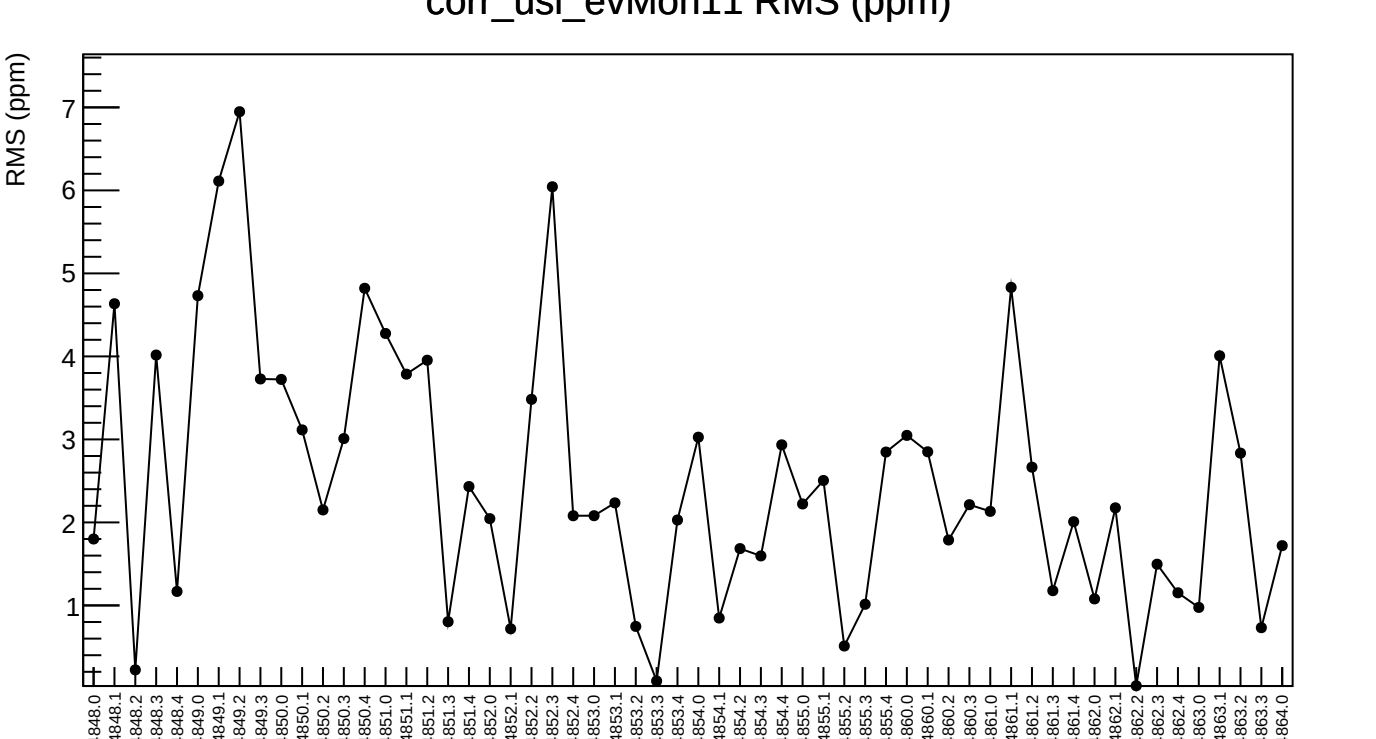

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

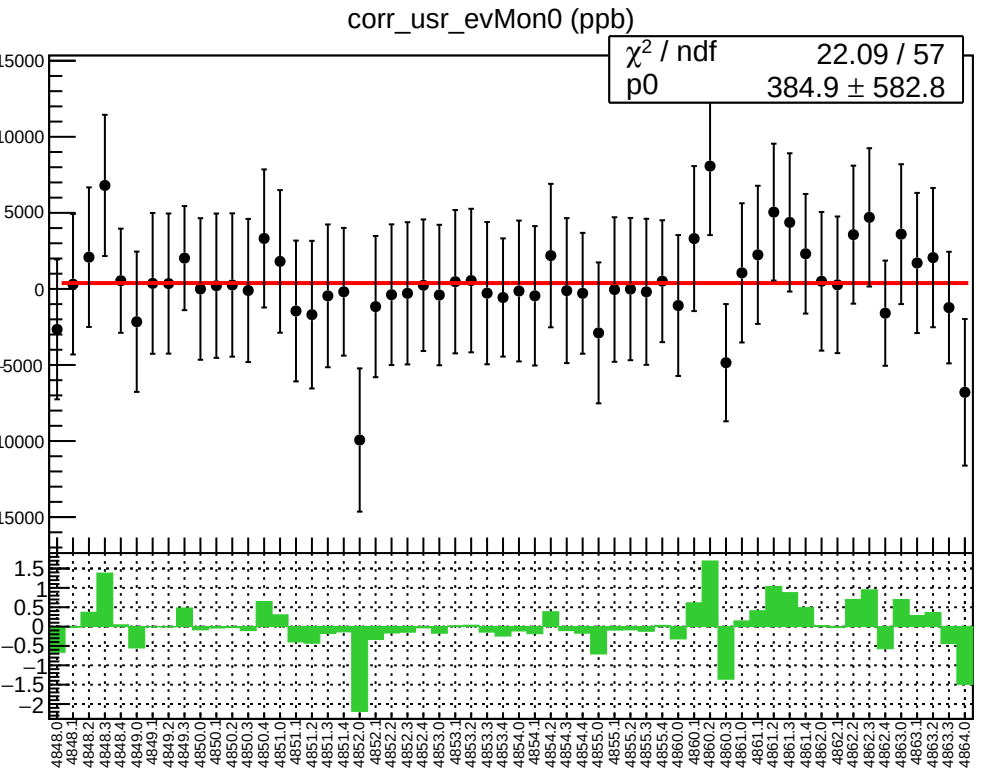

corr_usl_evMon10 (ppb)
χ² / ndf 22.81 / 57
p0 −1.213 ± 10.03

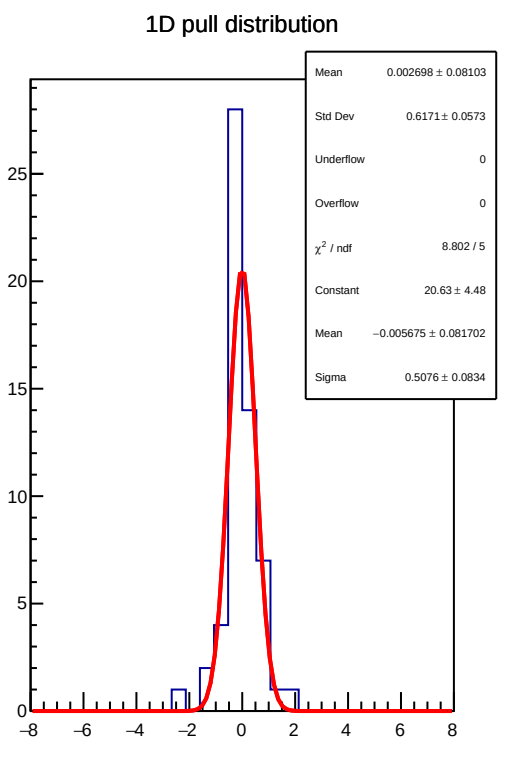

1D pull distribution
Mean −0.0016 ± 0.08234
Std Dev 0.6271 ± 0.05823
Underflow 0
Overflow 0
χ² / ndf 4.814 / 4
Constant 24.56 ± 4.79
Mean 0.1203 ± 0.0636
Sigma 0.4609 ± 0.0642

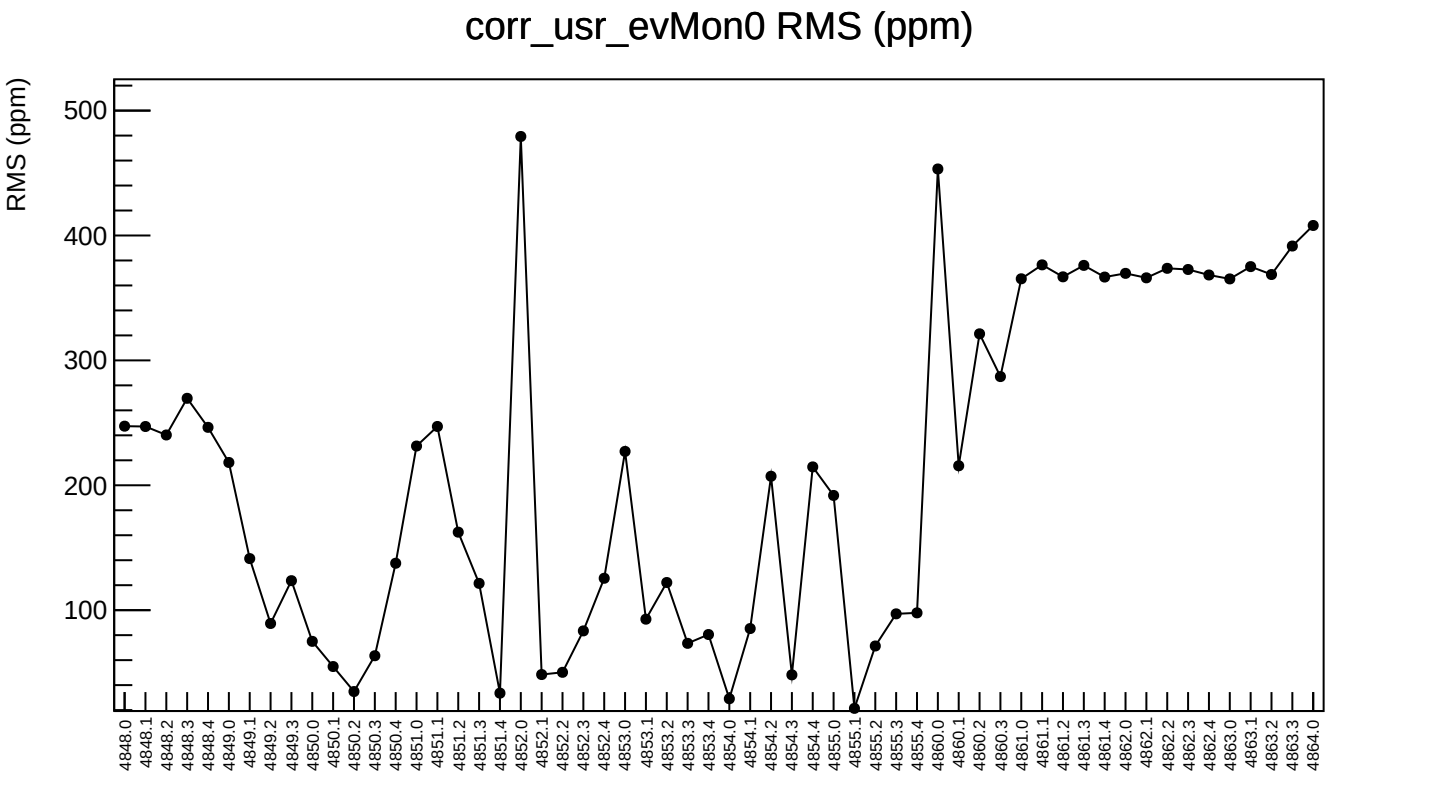

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
9
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

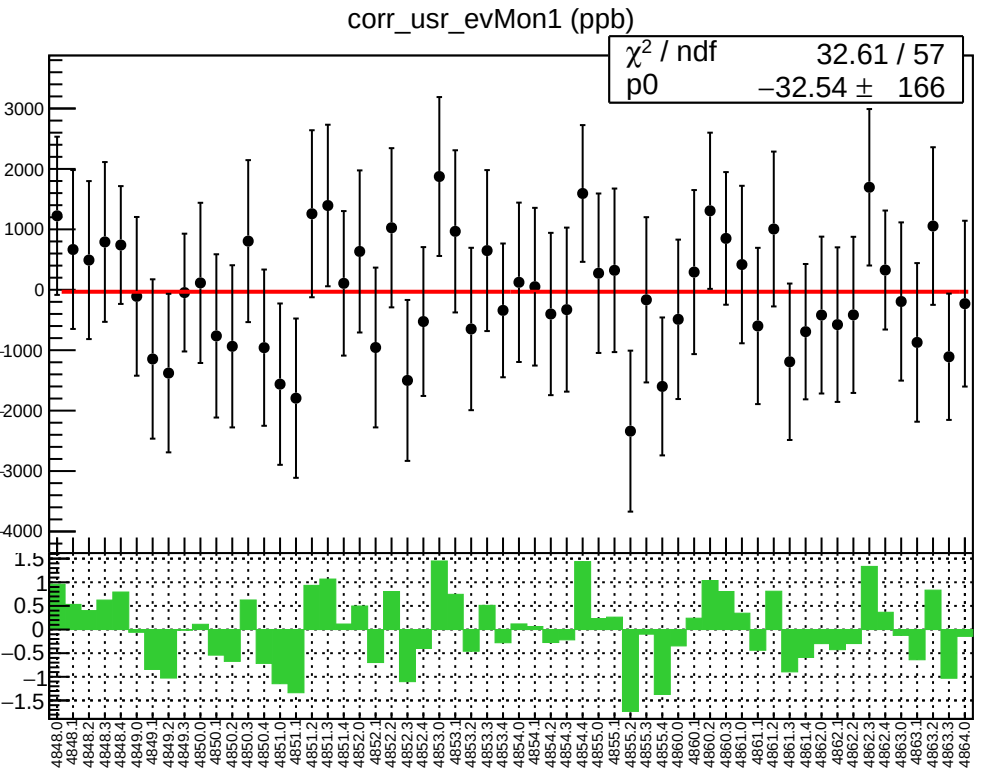

corr_usl_evMon11 (ppb)
χ² / ndf 18.59 / 57
p0 −3.61 ± 7.179
1D pull distribution
Mean −0.002291 ± 0.07434
Std Dev 0.5662 ± 0.05257
Underflow 0
Overflow 0
χ² / ndf 2.461 / 3
Constant 23.35 ± 4.33
Mean 0.1201 ± 0.0796
Sigma 0.5211 ± 0.0797

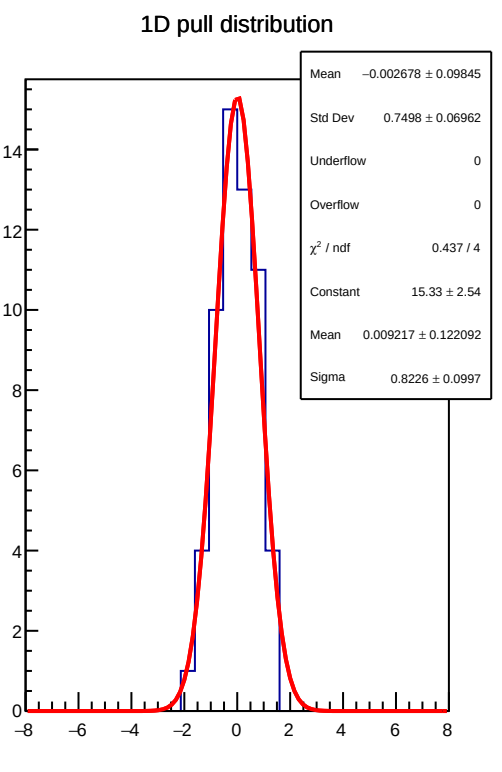

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

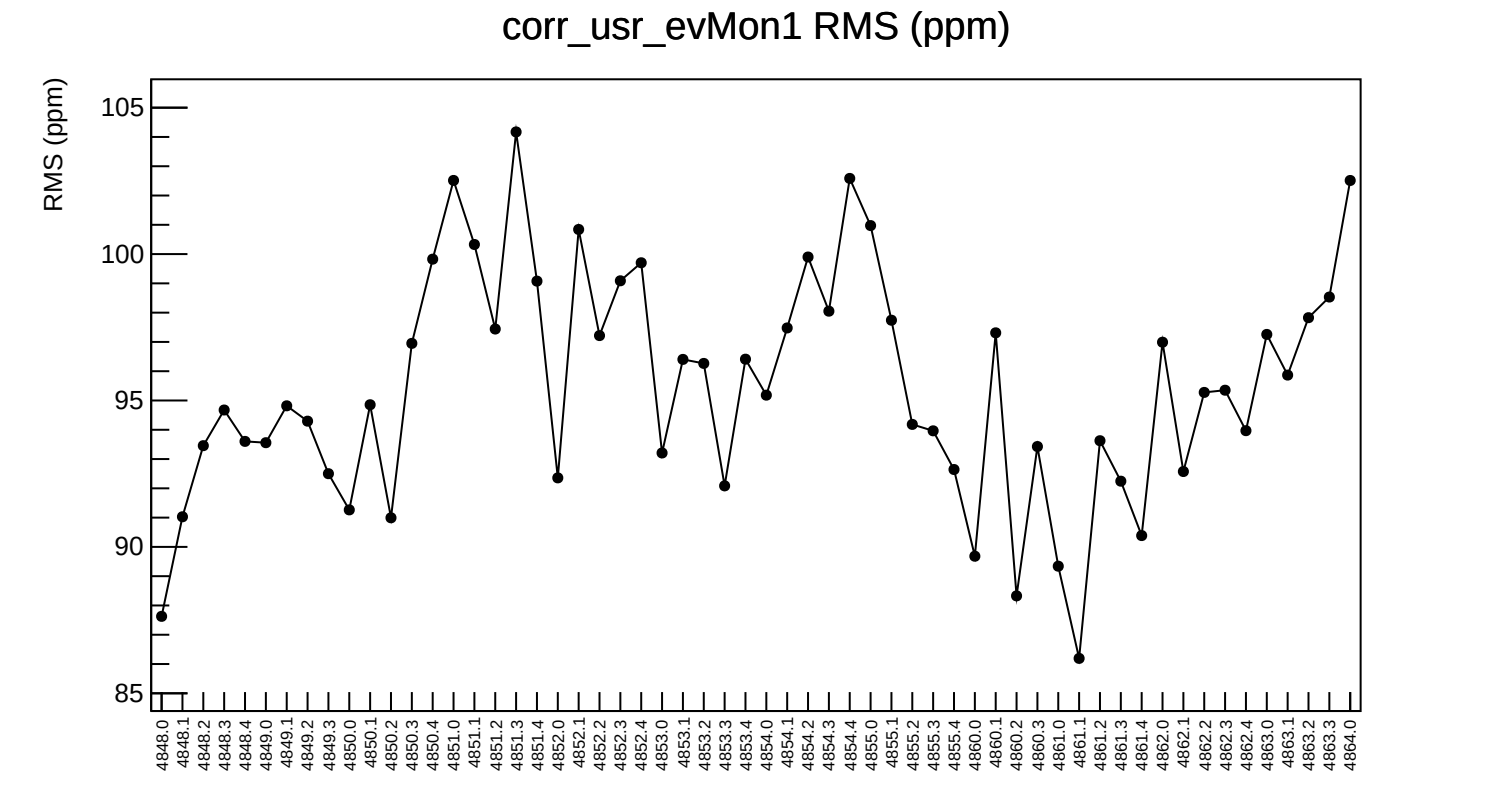

corr_usr_evMon0 (ppb)
χ² / ndf 22.09 / 57
p0 384.9 ± 582.8
15000
10000
5000
0
−5000
−10000
−15000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

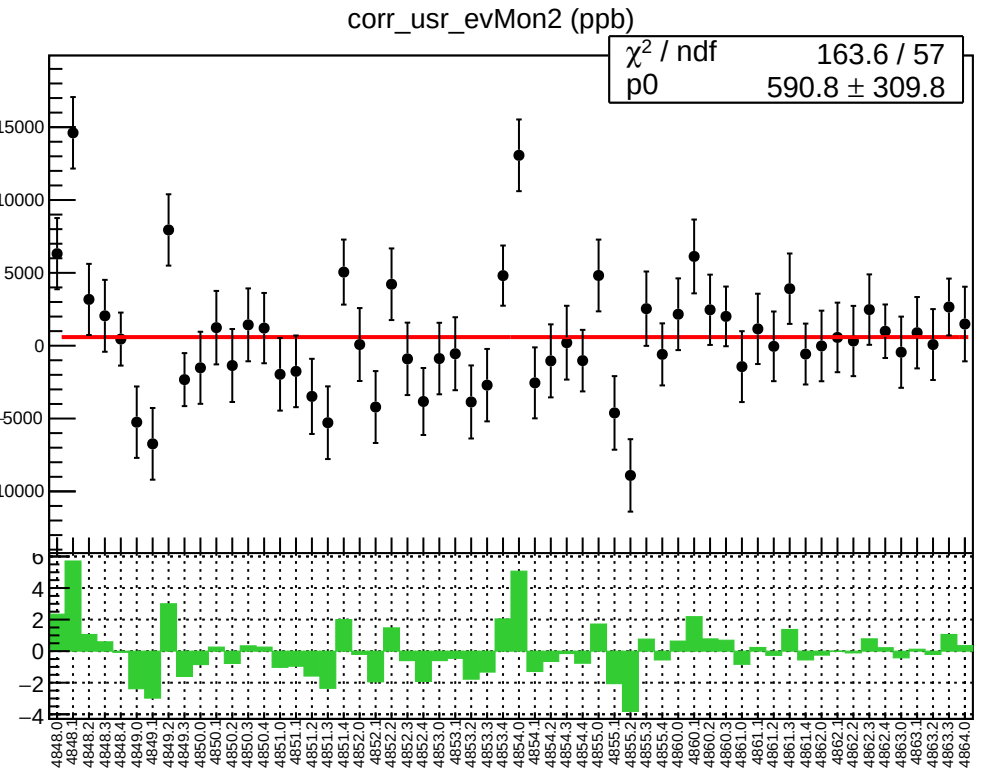

1D pull distribution
Mean 0.002698 ± 0.08103
Std Dev 0.6171 ± 0.0573
Underflow 0
Overflow 0
χ² / ndf 8.802 / 5
Constant 20.63 ± 4.48
Mean −0.005675 ± 0.081702
Sigma 0.5076 ± 0.0834
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

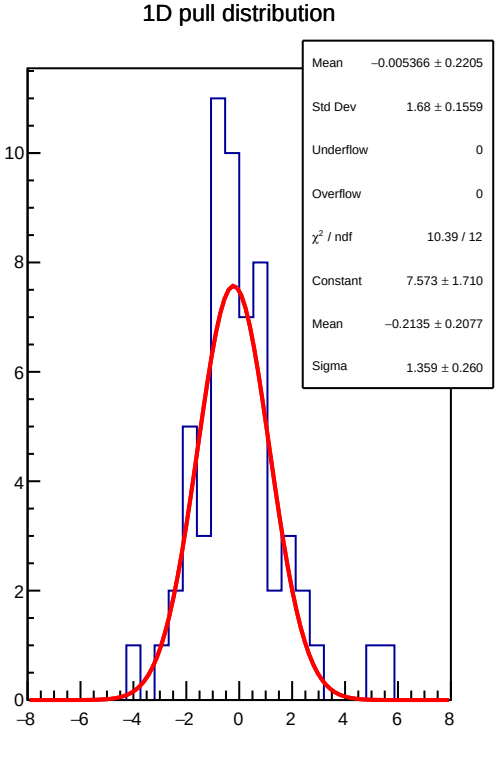

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
500
400
300
200
100
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

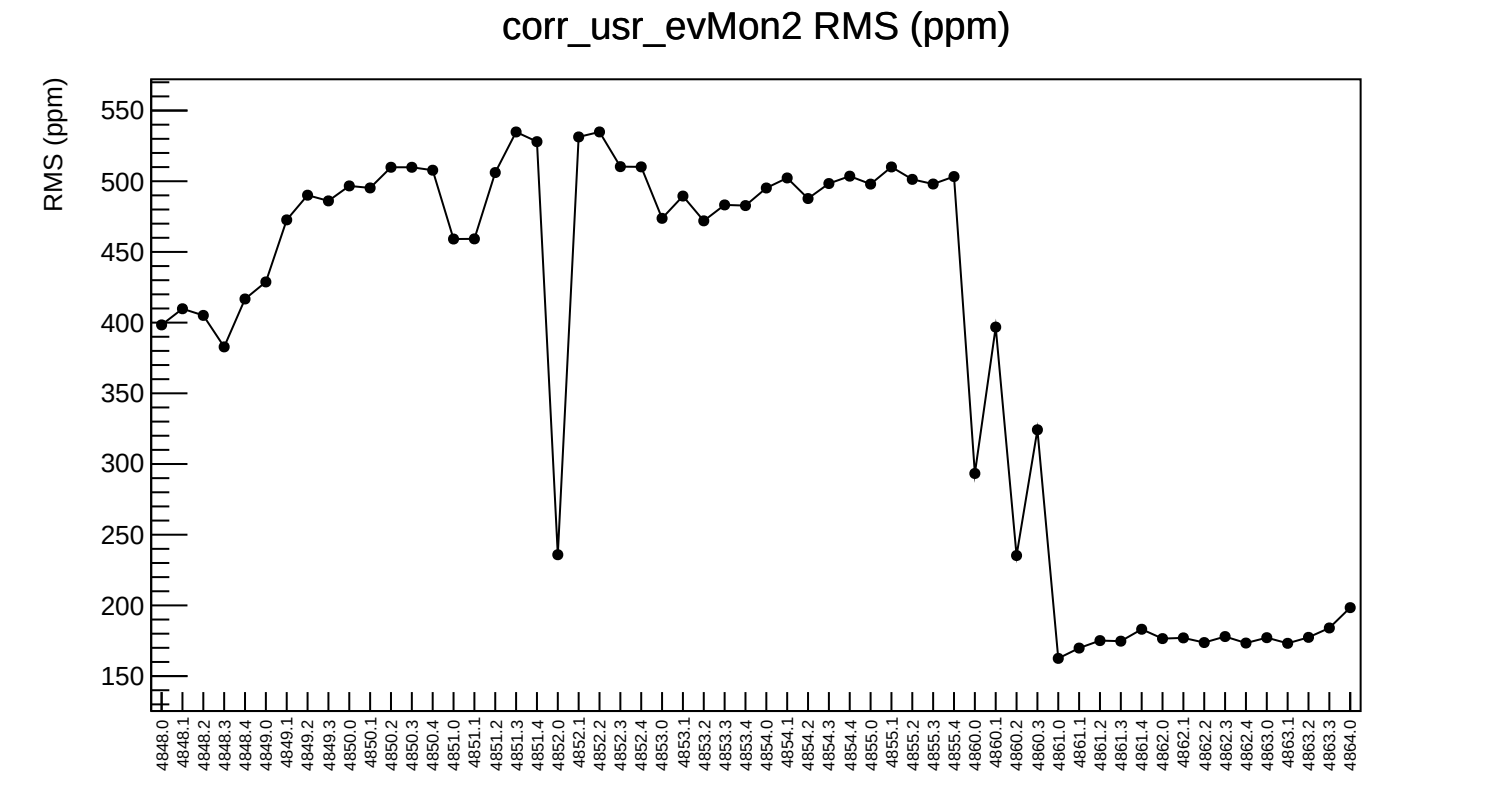

corr_usr_evMon1 (ppb)
χ² / ndf 32.61 / 57
p0 −32.54 ± 166
3000
2000
1000
0
-1000
-2000
-3000
-4000
1.5
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

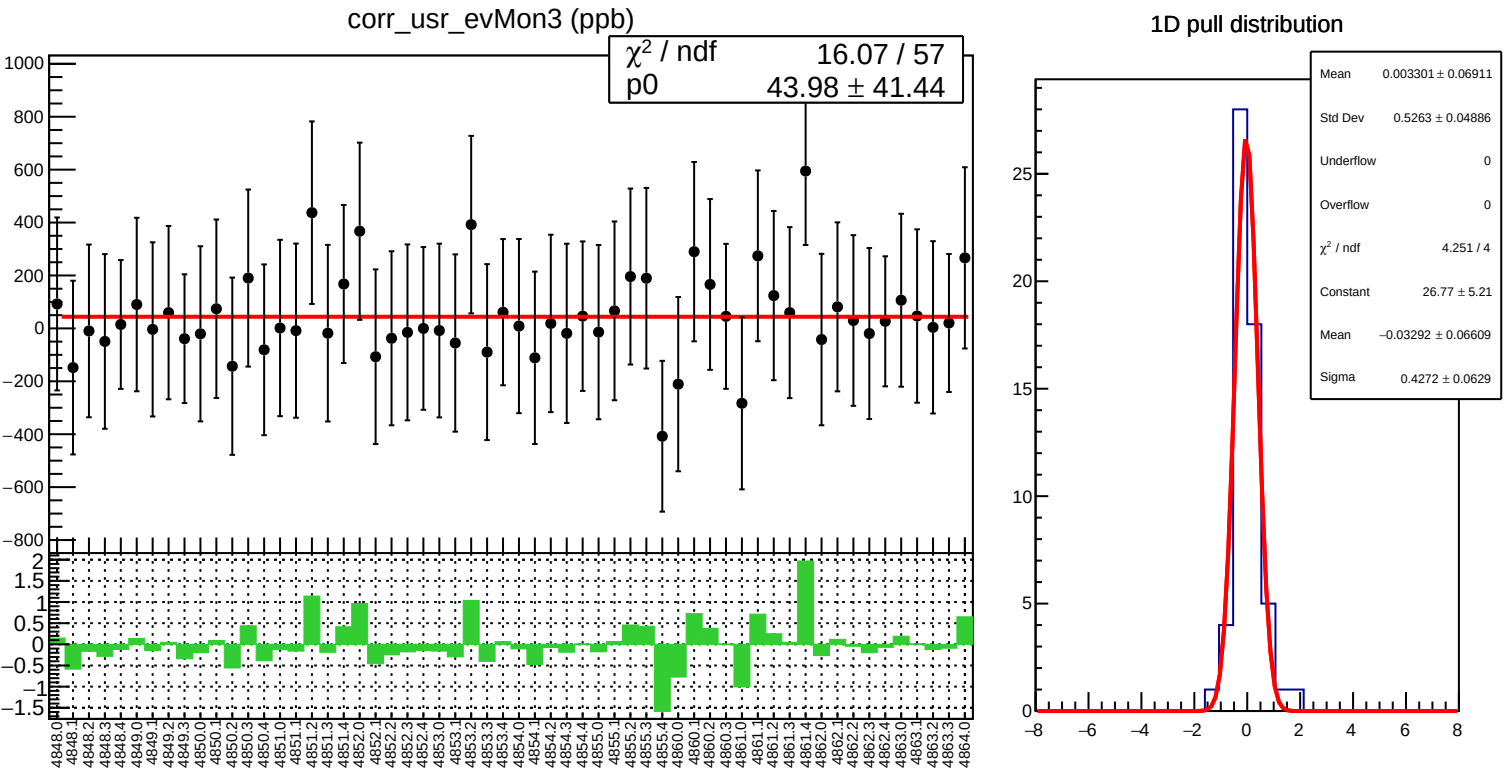

1D pull distribution
Mean −0.002678 ± 0.09845
Std Dev 0.7498 ± 0.06962
Underflow 0
Overflow 0
χ² / ndf 0.437 / 4
Constant 15.33 ± 2.54
Mean 0.009217 ± 0.122092
Sigma 0.8226 ± 0.0997
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

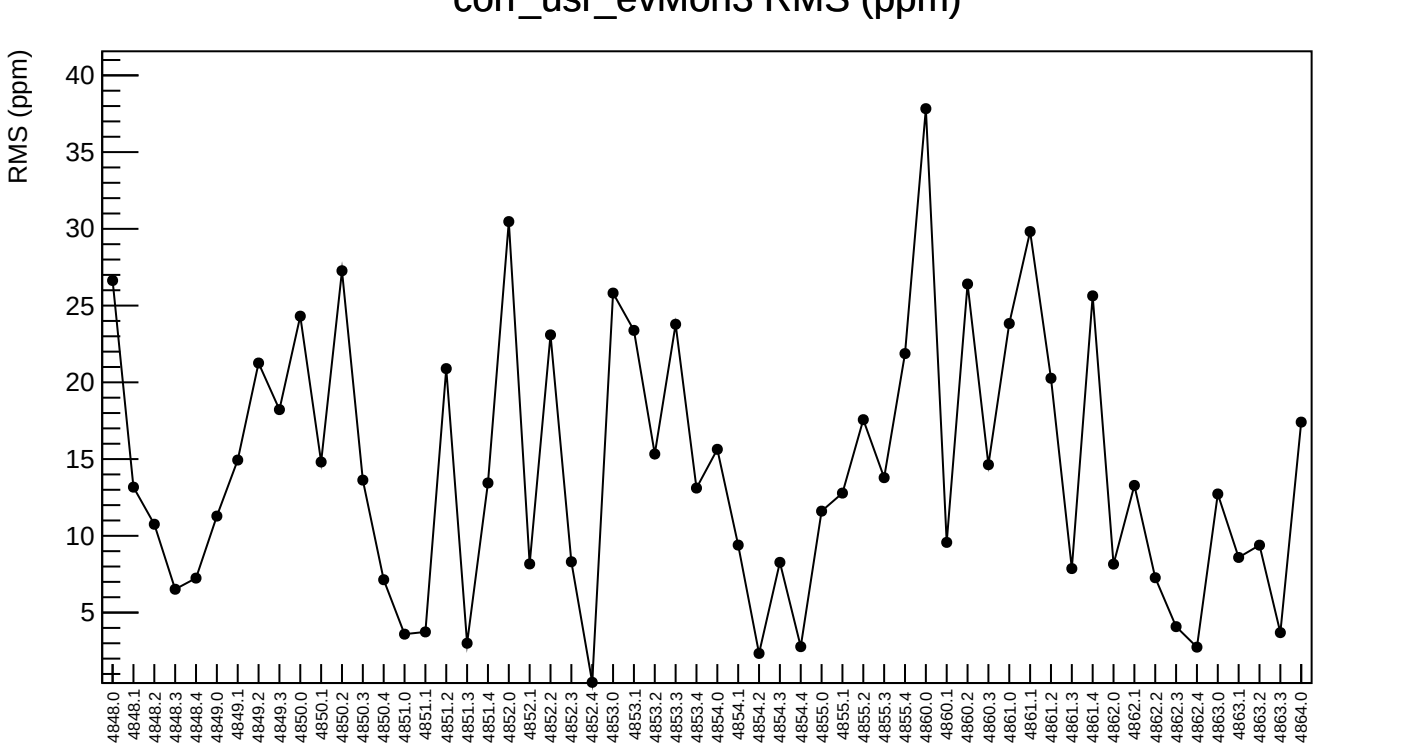

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
105
100
95
90
85
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

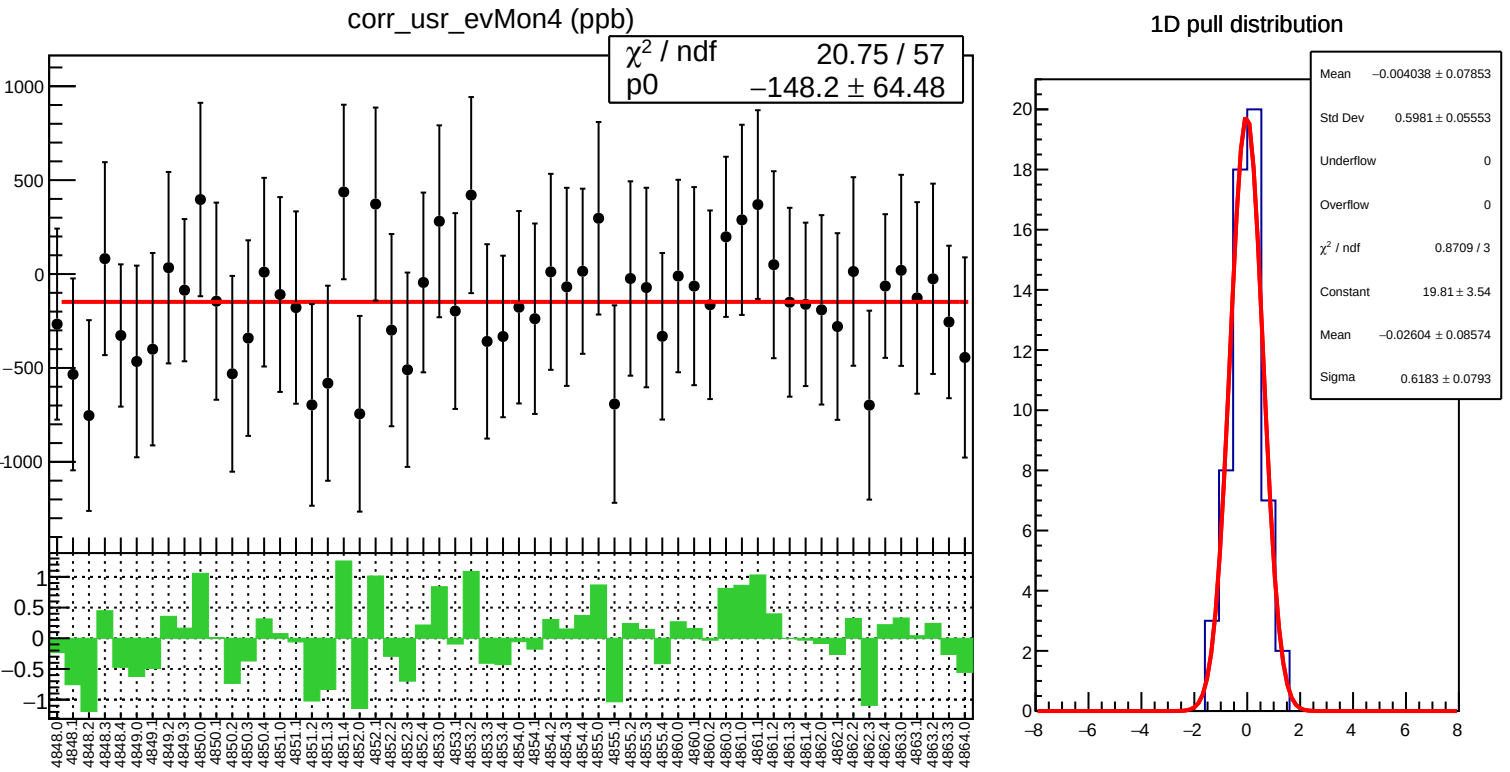

corr_usr_evMon2 (ppb)
χ² / ndf 163.6 / 57
p0 590.8 ± 309.8
15000
10000
5000
0
-5000
10000
6
4
2
0
−2
−4
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


1D pull distribution
Mean −0.005366 ± 0.2205
Std Dev 1.68 ± 0.1559
Underflow 0
Overflow 0
χ² / ndf 10.39 / 12
Constant 7.573 ± 1.710
Mean −0.2135 ± 0.2077
Sigma 1.359 ± 0.260
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

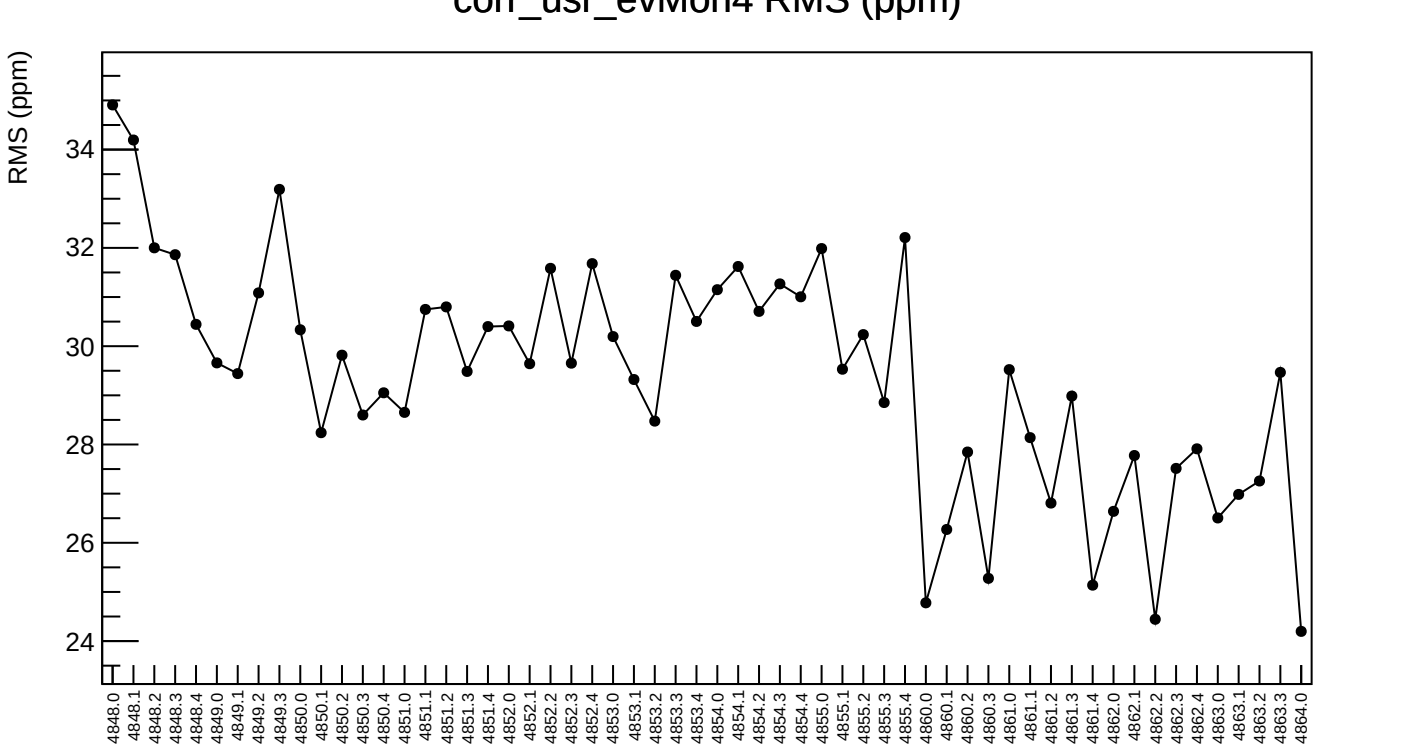

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
550
500
450
400
350
300
250
200
150
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

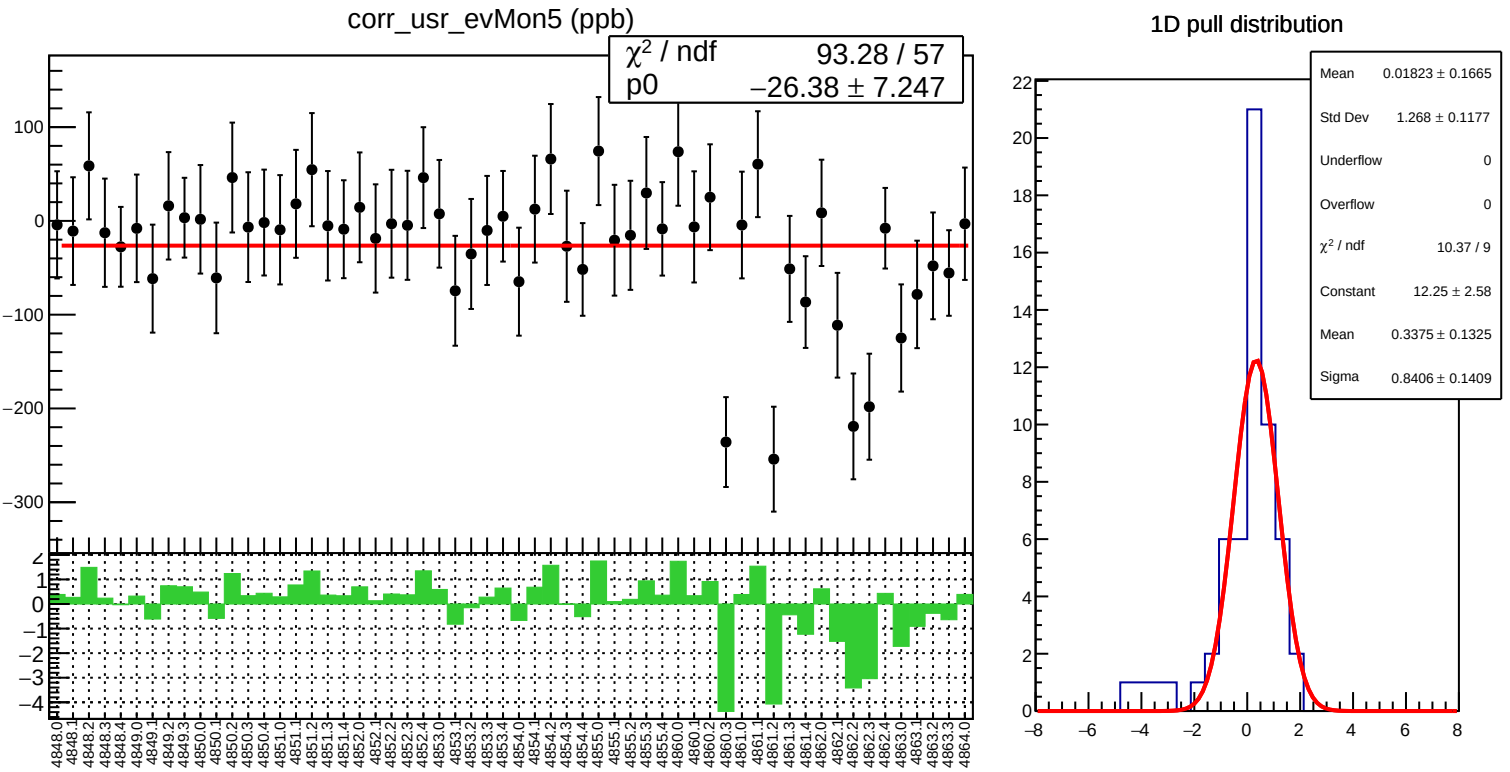

corr_usr_evMon3 (ppb)
χ² / ndf 16.07 / 57
p0 43.98 ± 41.44
1D pull distribution
Mean 0.003301 ± 0.06911
Std Dev 0.5263 ± 0.04886
Underflow 0
Overflow 0
χ² / ndf 4.251 / 4
Constant 26.77 ± 5.21
Mean −0.03292 ± 0.06609
Sigma 0.4272 ± 0.0629

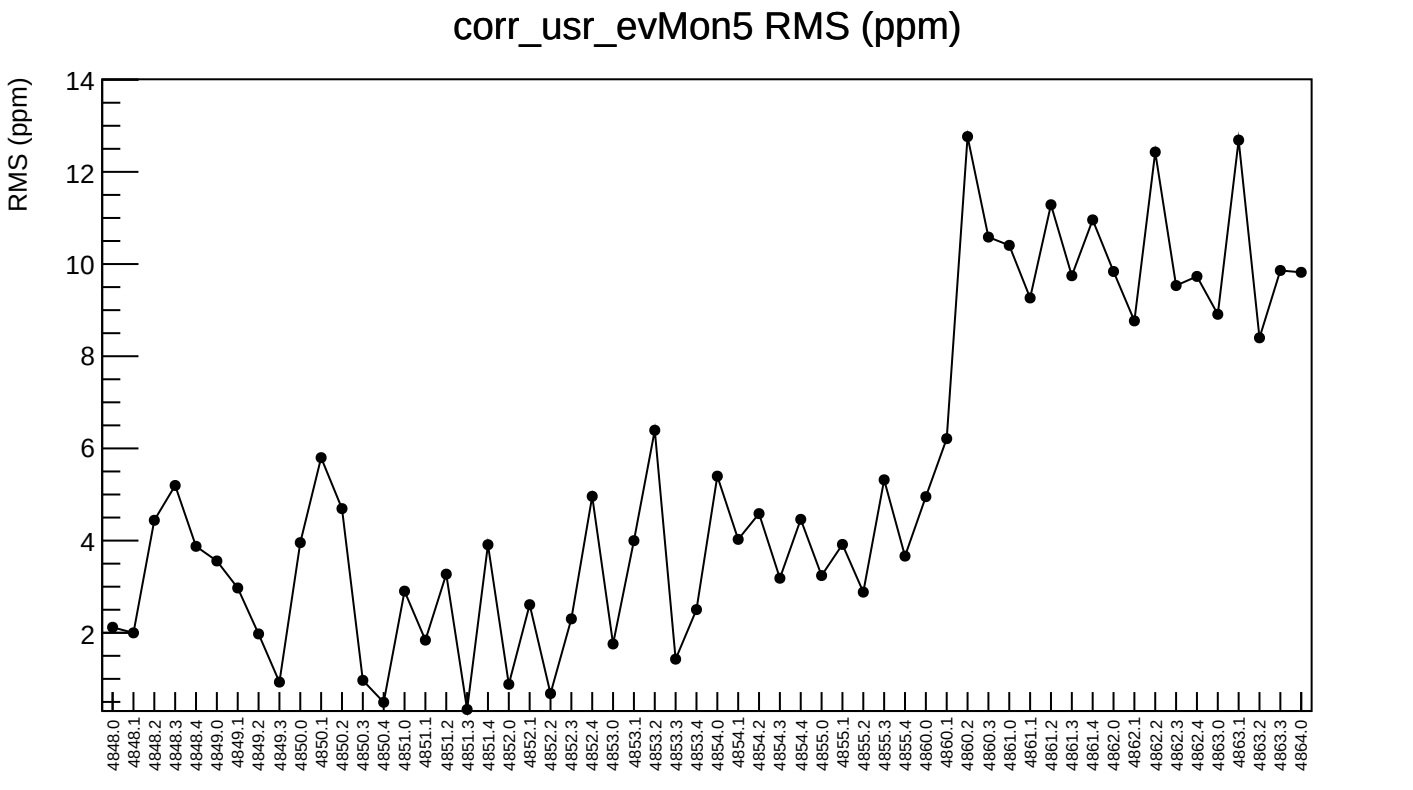

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
40
35
30
25
20
15
10
5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

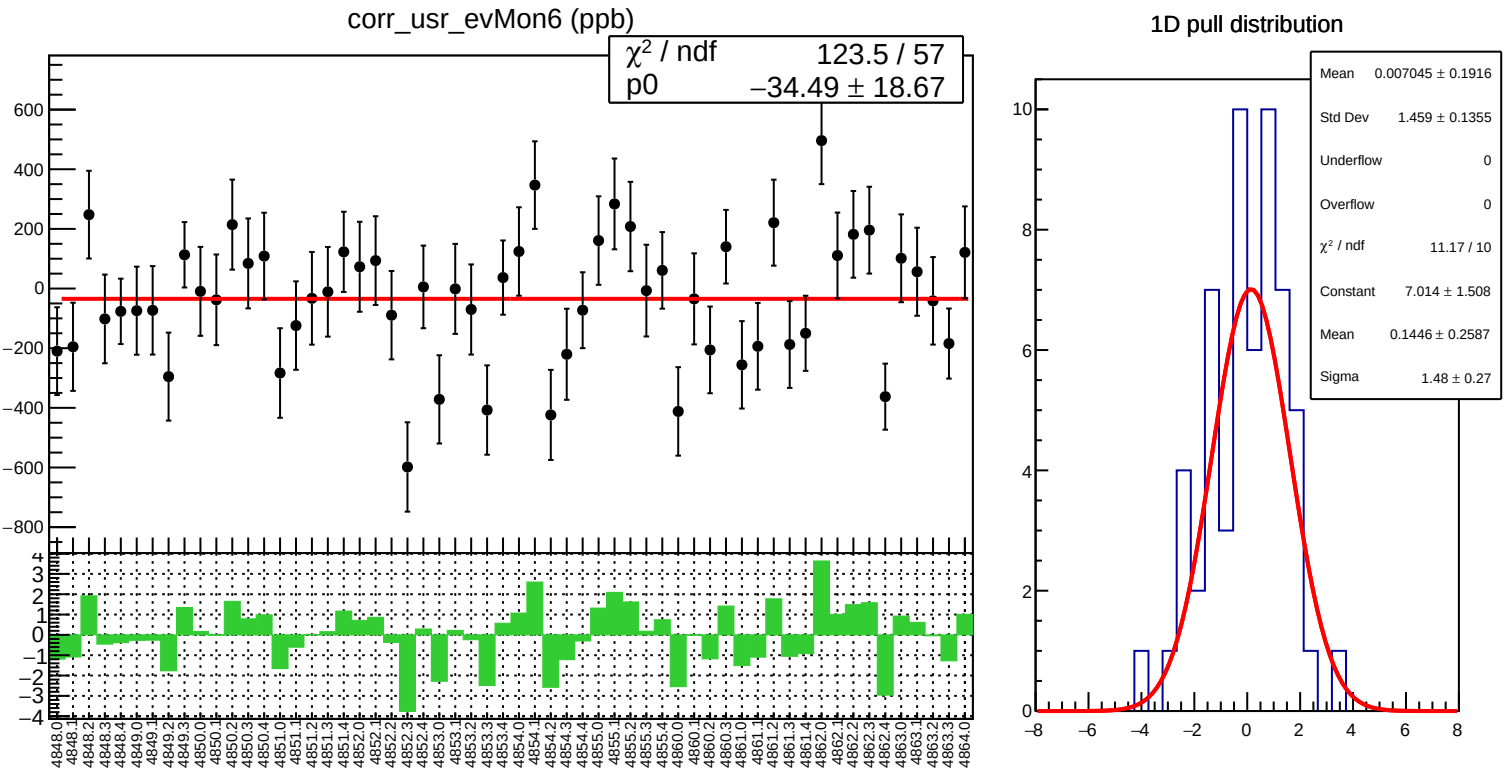

corr_usr_evMon4 (ppb)
χ² / ndf 20.75 / 57
p0 −148.2 ± 64.48
1000
500
0
−500
−1000
1
0.5
0
−0.5
−1
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

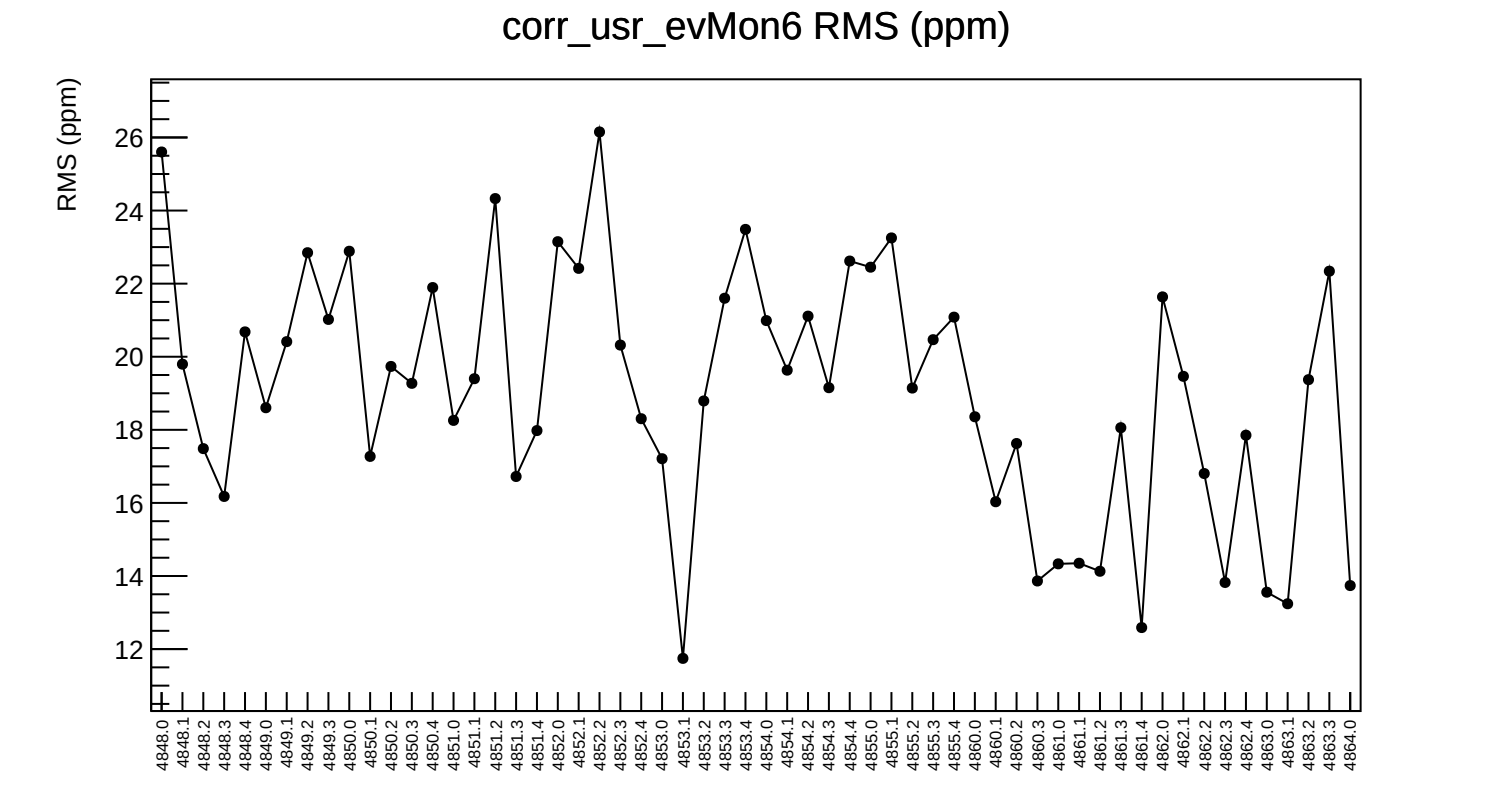
1D pull distribution
Mean −0.004038 ± 0.07853
Std Dev 0.5981 ± 0.05553
Underflow 0
Overflow 0
χ² / ndf 0.8709 / 3
Constant 19.81 ± 3.54
Mean −0.02604 ± 0.08574
Sigma 0.6183 ± 0.0793
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

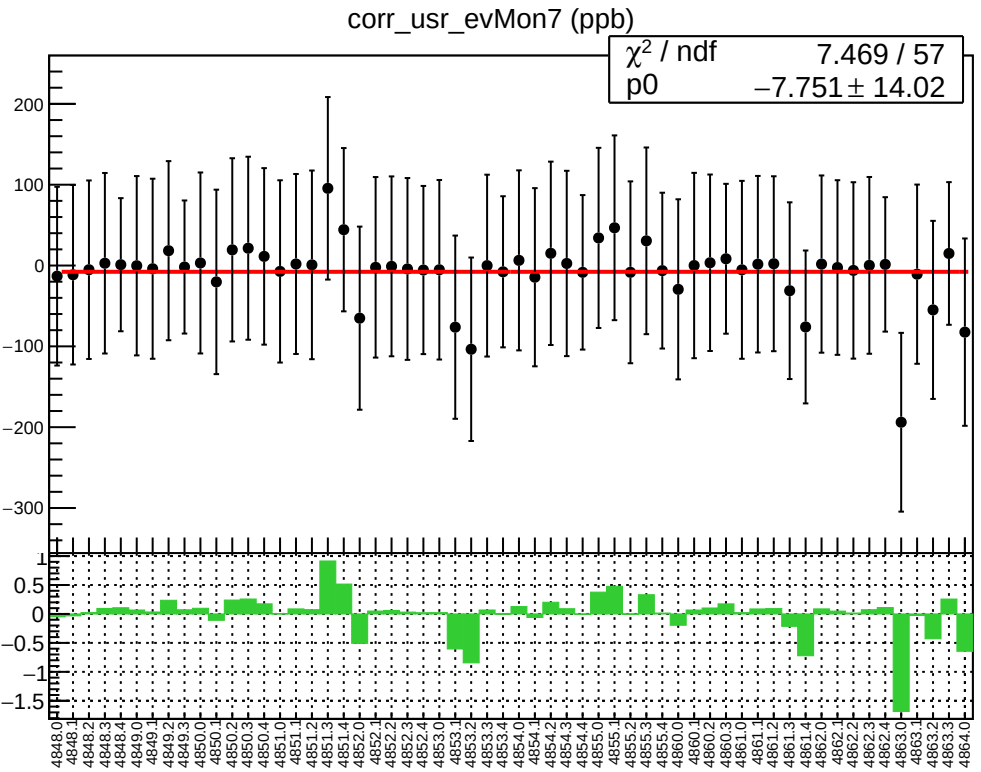

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
34
32
30
28
26
24
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

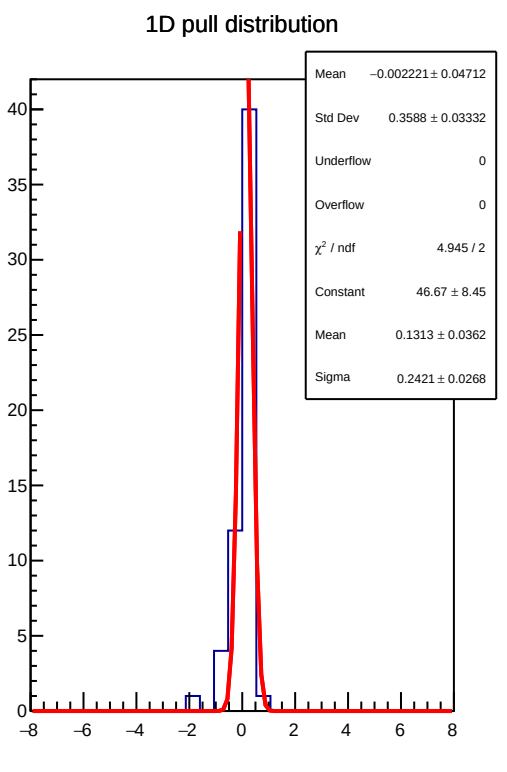

corr_usr_evMon5 (ppb)
χ² / ndf 93.28 / 57
p0 −26.38 ± 7.247
1D pull distribution
Mean 0.01823 ± 0.1665
Std Dev 1.268 ± 0.1177
Underflow 0
Overflow 0
χ² / ndf 10.37 / 9
Constant 12.25 ± 2.58
Mean 0.3375 ± 0.1325
Sigma 0.8406 ± 0.1409

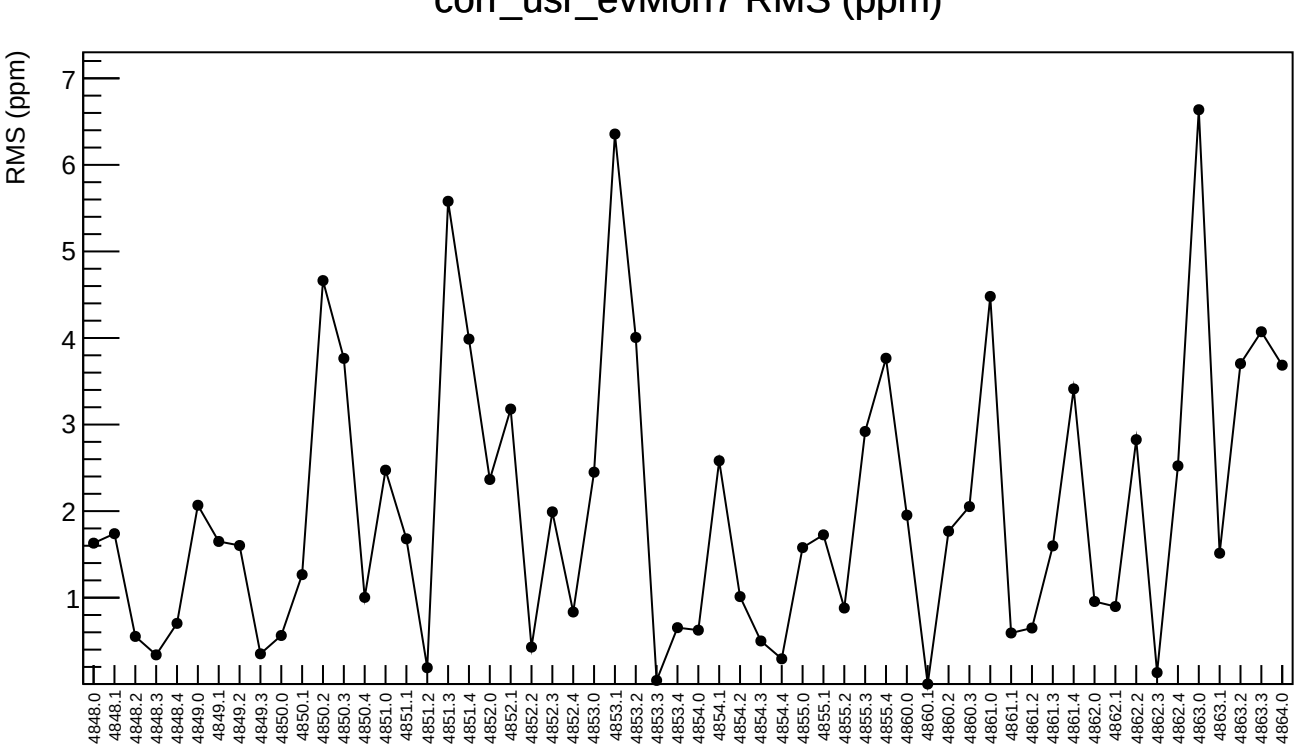

corr_usr_evMon5 RMS (ppm)
RMS (ppm)
14
12
10
8
6
4
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

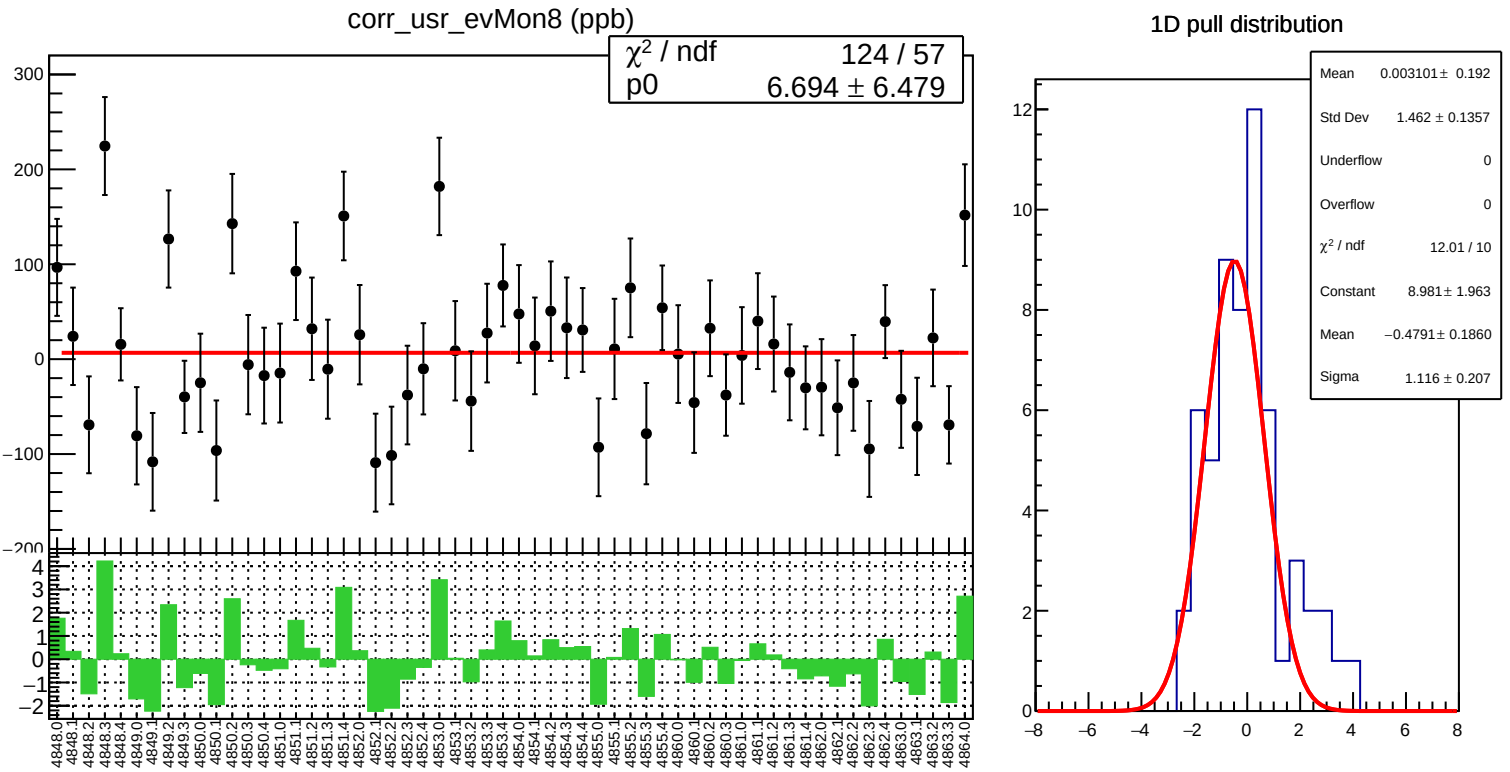

corr_usr_evMon6 (ppb)
χ² / ndf 123.5 / 57
p0 −34.49 ± 18.67
1D pull distribution
Mean 0.007045 ± 0.1916
Std Dev 1.459 ± 0.1355
Underflow 0
Overflow 0
χ² / ndf 11.17 / 10
Constant 7.014 ± 1.508
Mean 0.1446 ± 0.2587
Sigma 1.48 ± 0.27

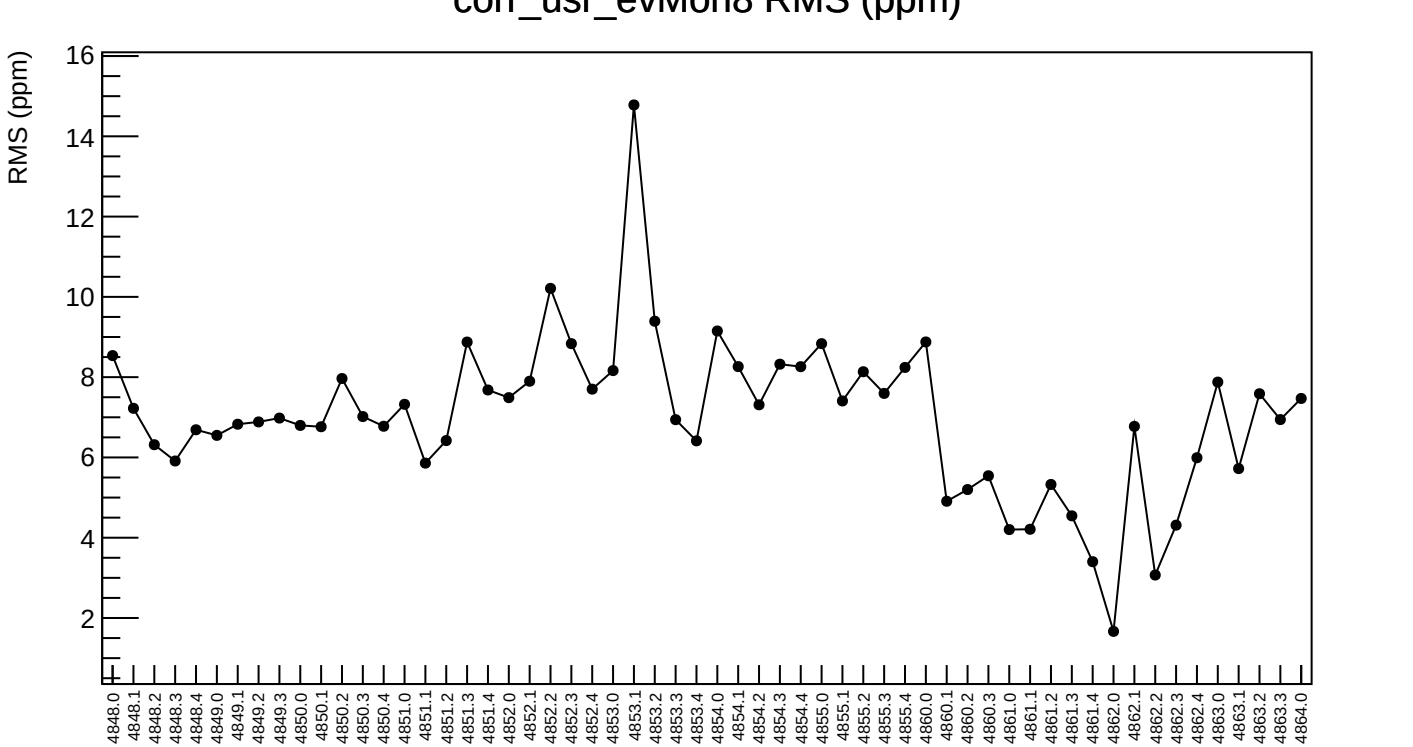

corr_usr_evMon6 RMS (ppm)
RMS (ppm)
26
24
22
20
18
16
14
12
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

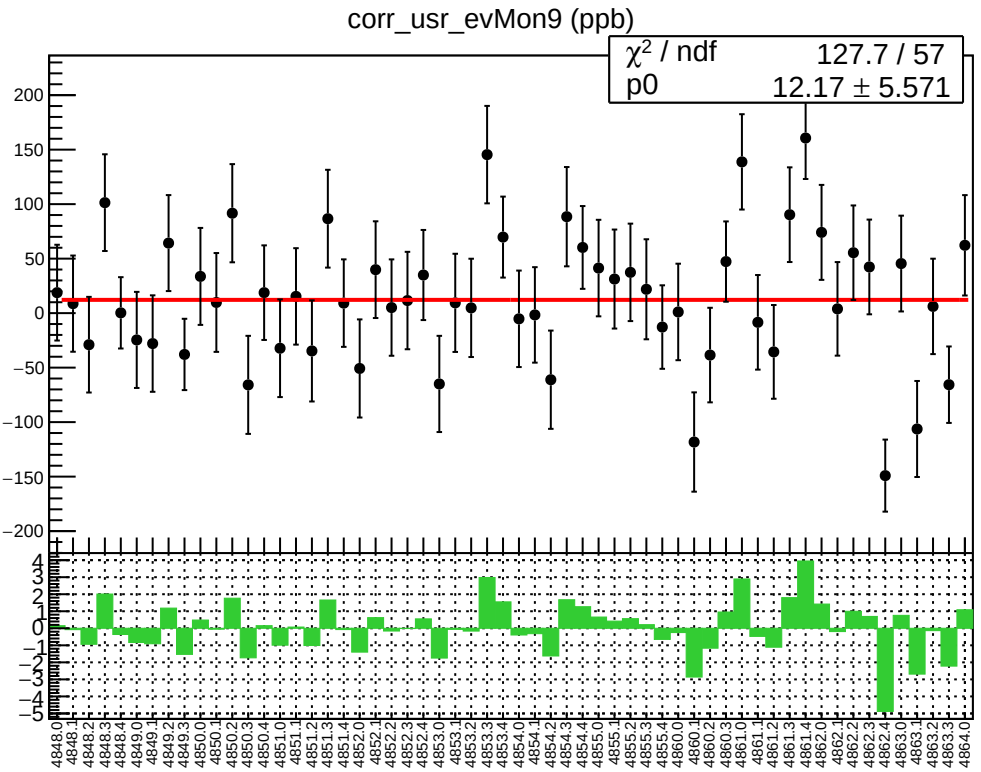

corr_usr_evMon7 (ppb)
χ² / ndf 7.469 / 57
p0 −7.751 ± 14.02
200
100
0
−100
−200
−300
1
0.5
0
−0.5
−1
−1.5
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

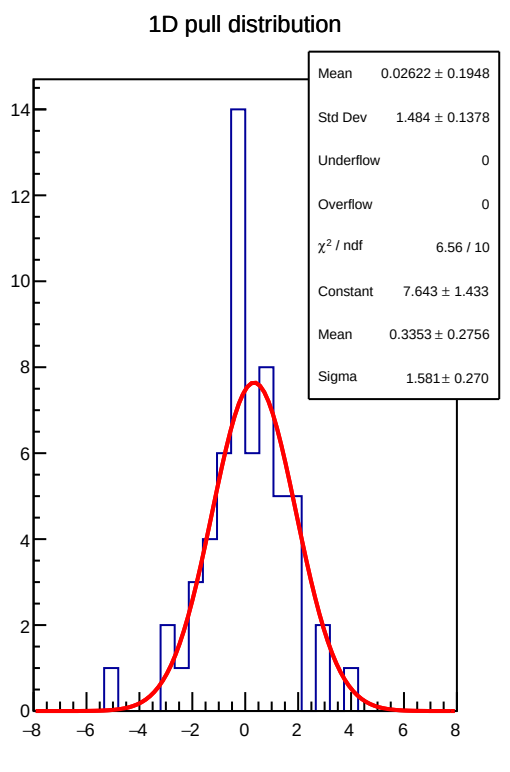

1D pull distribution
Mean −0.002221 ± 0.04712
Std Dev 0.3588 ± 0.03332
Underflow 0
Overflow 0
χ² / ndf 4.945 / 2
Constant 46.67 ± 8.45
Mean 0.1313 ± 0.0362
Sigma 0.2421 ± 0.0268
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

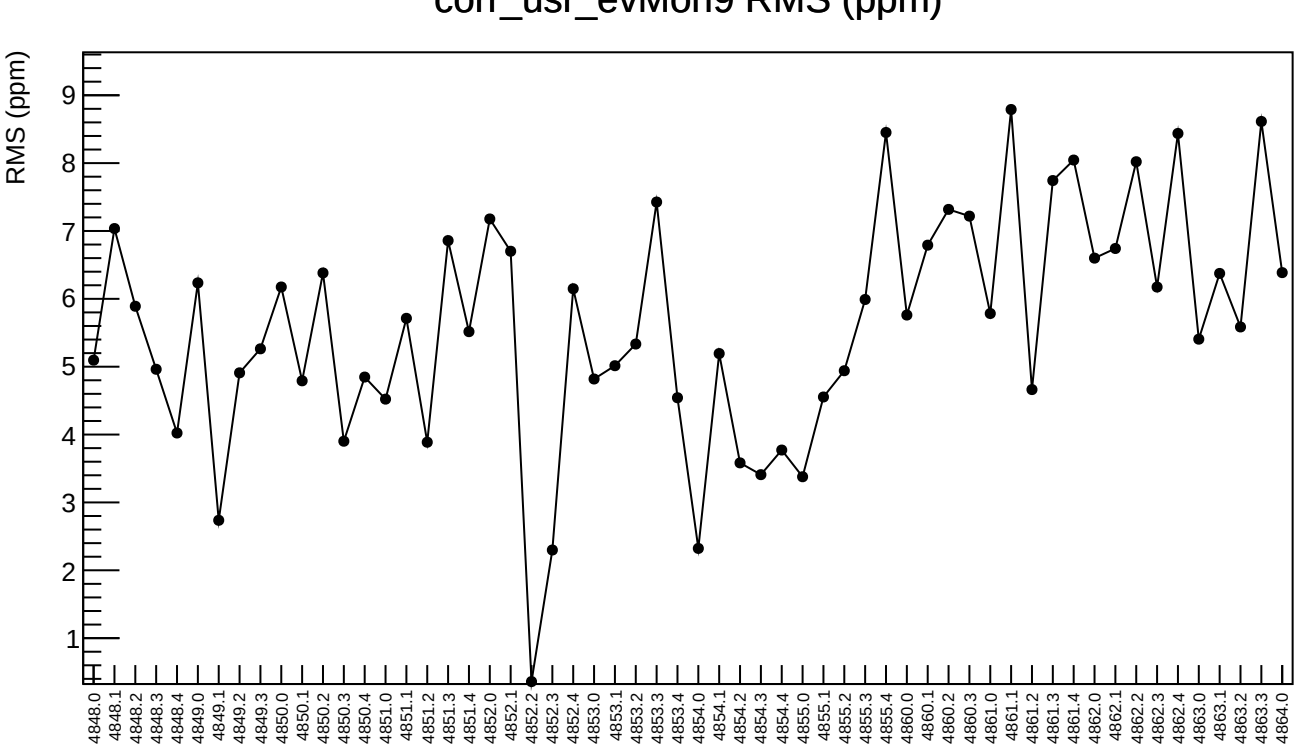

corr_usr_evMon7 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

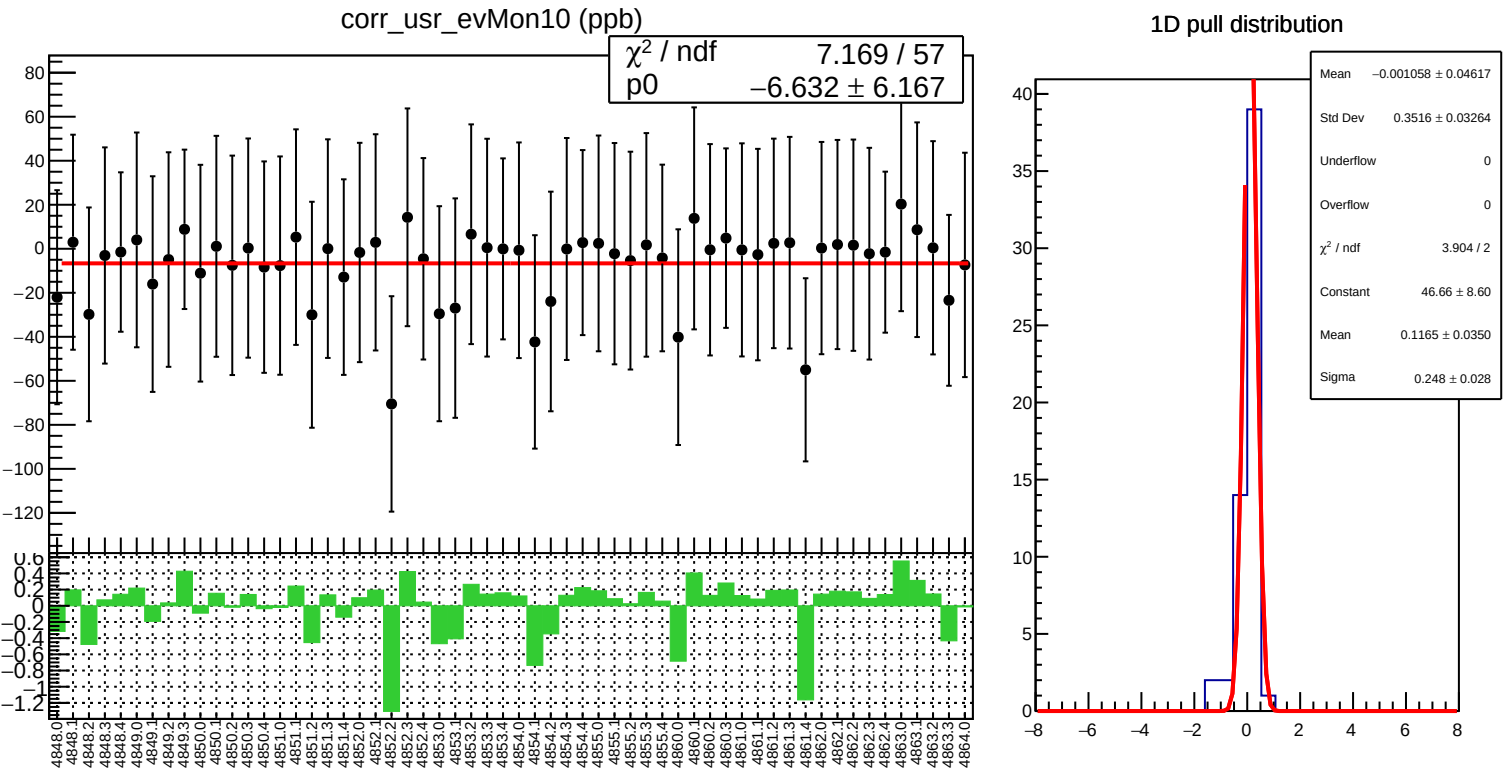

corr_usr_evMon8 (ppb)
χ² / ndf 124 / 57
p0 6.694 ± 6.479
1D pull distribution
Mean 0.003101± 0.192
Std Dev 1.462 ± 0.1357
Underflow 0
Overflow 0
χ² / ndf 12.01 / 10
Constant 8.981± 1.963
Mean −0.4791± 0.1860
Sigma 1.116 ± 0.207

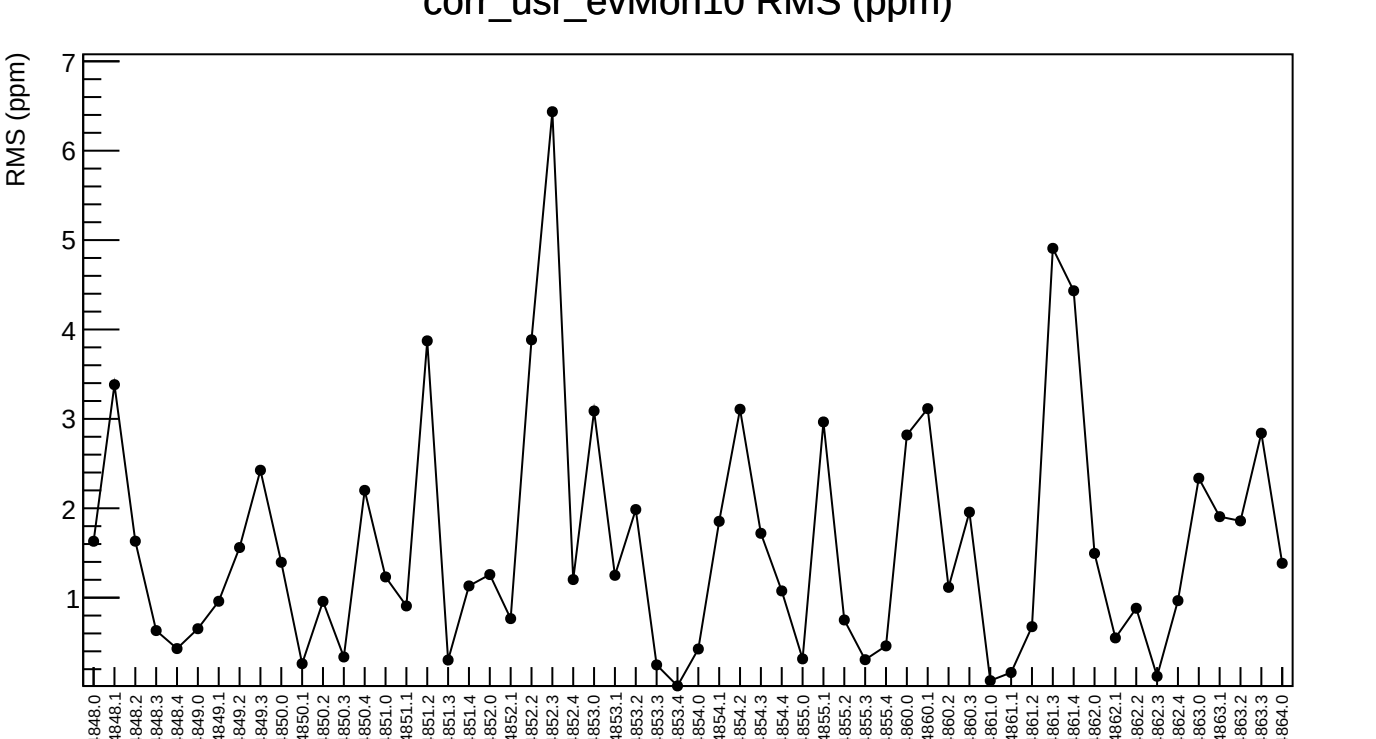

corr_usr_evMon8 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
4
2
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0

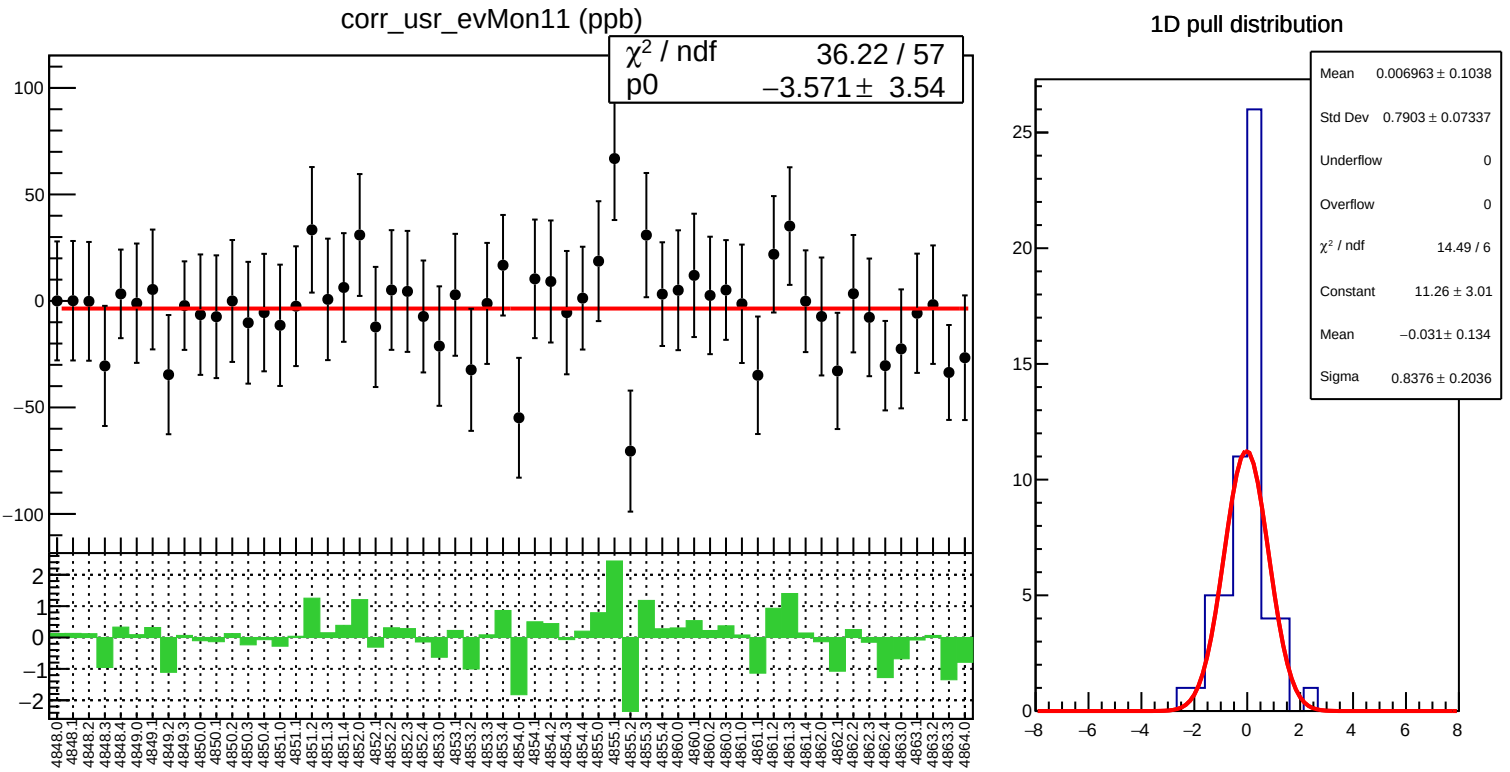

corr_usr_evMon9 (ppb)
χ² / ndf 127.7 / 57
p0 12.17 ± 5.571

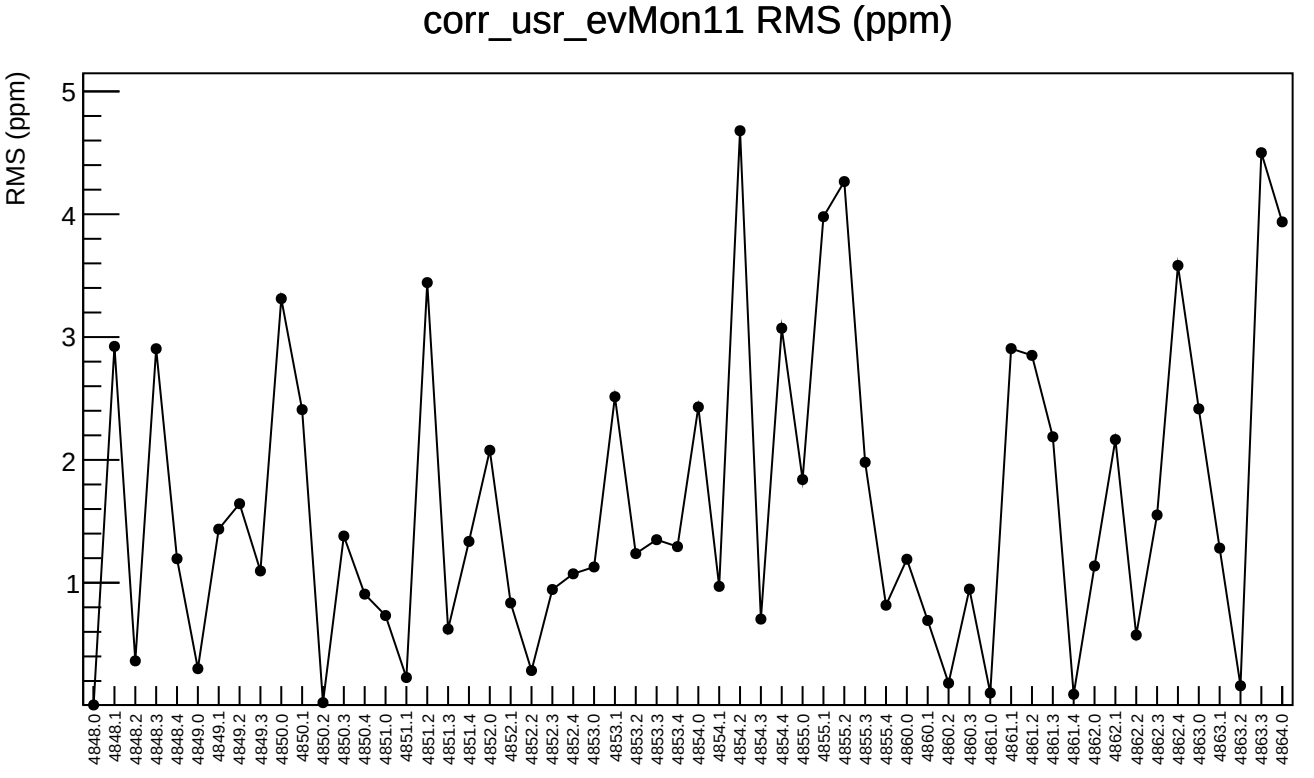

1D pull distribution
Mean 0.02622 ± 0.1948
Std Dev 1.484 ± 0.1378
Underflow 0
Overflow 0
χ² / ndf 6.56 / 10
Constant 7.643 ± 1.433
Mean 0.3353 ± 0.2756
Sigma 1.581 ± 0.270


corr_usr_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
9
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_usr_evMon10 (ppb)
χ² / ndf 7.169 / 57
p0 −6.632 ± 6.167
1D pull distribution
Mean −0.001058 ± 0.04617
Std Dev 0.3516 ± 0.03264
Underflow 0
Overflow 0
χ² / ndf 3.904 / 2
Constant 46.66 ± 8.60
Mean 0.1165 ± 0.0350
Sigma 0.248 ± 0.028


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0


corr_usr_evMon11 (ppb)
χ² / ndf 36.22 / 57
p0 −3.571 ± 3.54
1D pull distribution
Mean 0.006963 ± 0.1038
Std Dev 0.7903 ± 0.07337
Underflow 0
Overflow 0
χ² / ndf 14.49 / 6
Constant 11.26 ± 3.01
Mean −0.031 ± 0.134
Sigma 0.8376 ± 0.2036


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
5
4
3
2
1
4848.0
4848.1
4848.2
4848.3
4848.4
4849.0
4849.1
4849.2
4849.3
4850.0
4850.1
4850.2
4850.3
4850.4
4851.0
4851.1
4851.2
4851.3
4851.4
4852.0
4852.1
4852.2
4852.3
4852.4
4853.0
4853.1
4853.2
4853.3
4853.4
4854.0
4854.1
4854.2
4854.3
4854.4
4855.0
4855.1
4855.2
4855.3
4855.4
4860.0
4860.1
4860.2
4860.3
4861.0
4861.1
4861.2
4861.3
4861.4
4862.0
4862.1
4862.2
4862.3
4862.4
4863.0
4863.1
4863.2
4863.3
4864.0