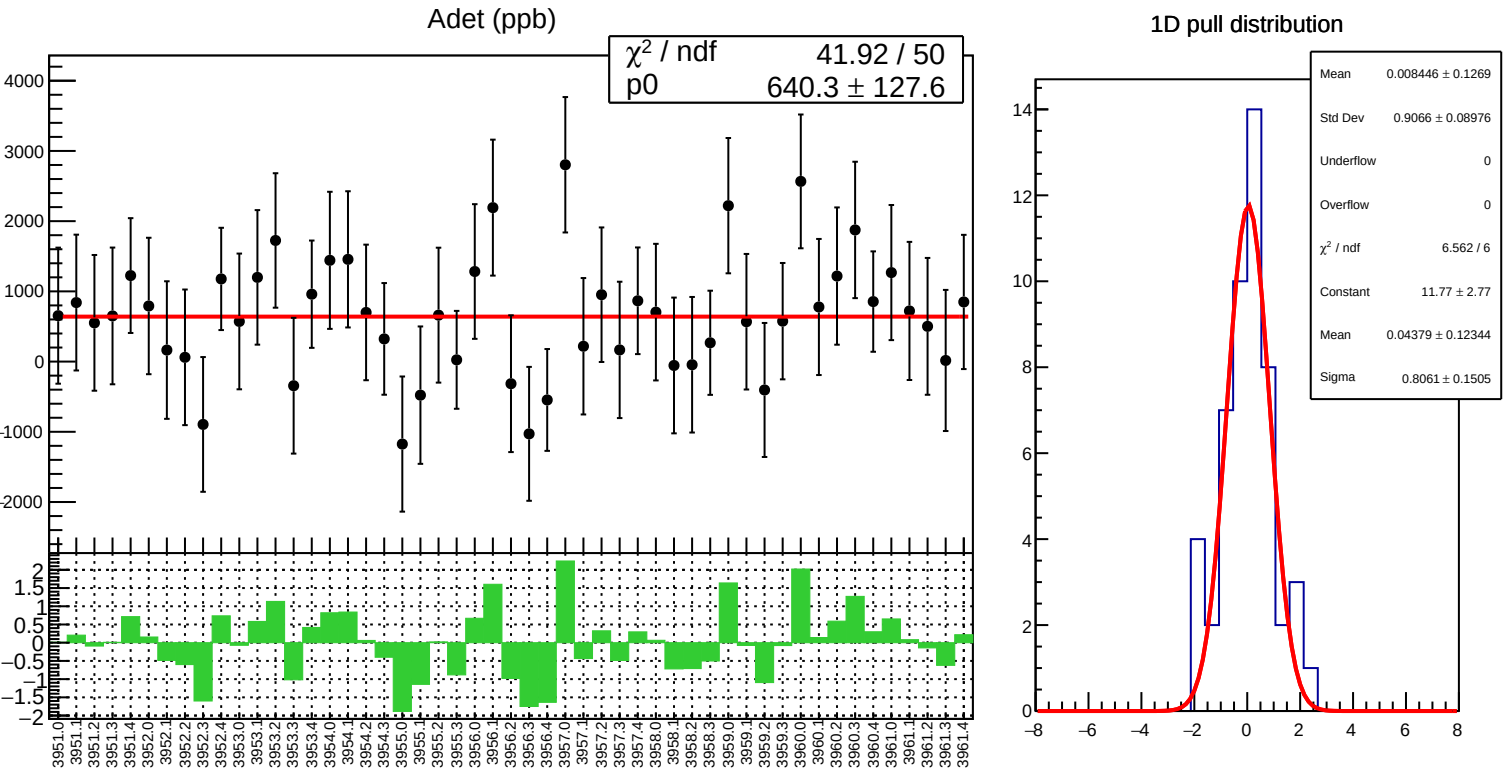
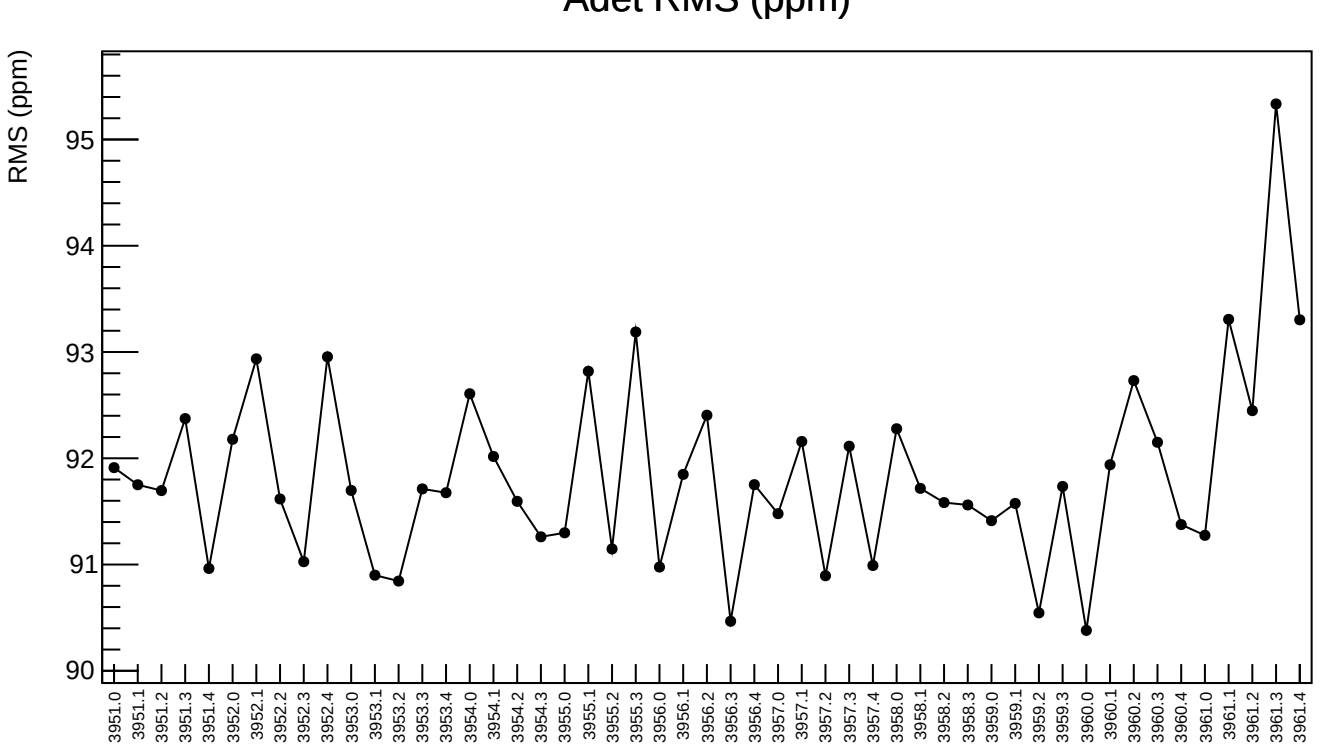
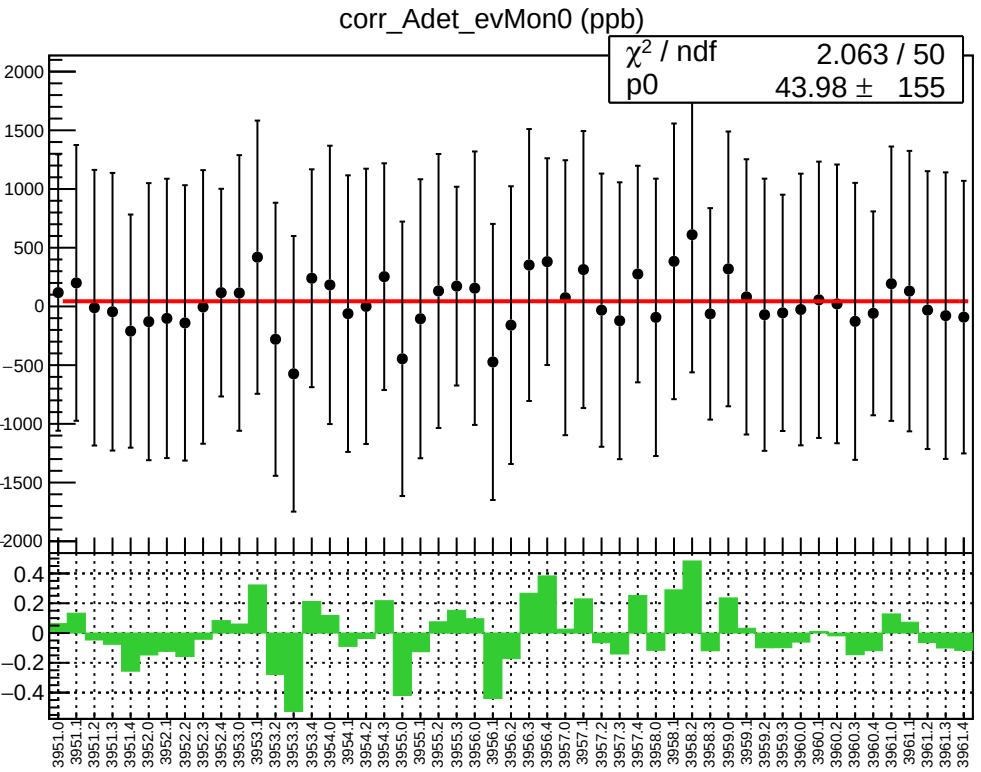
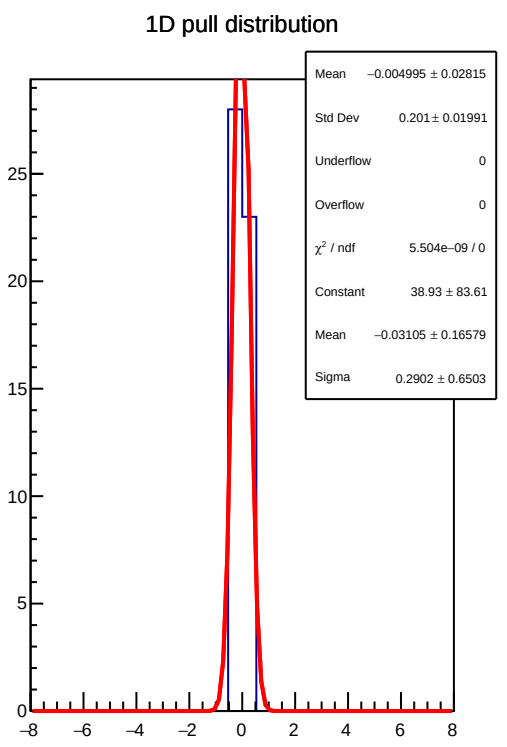
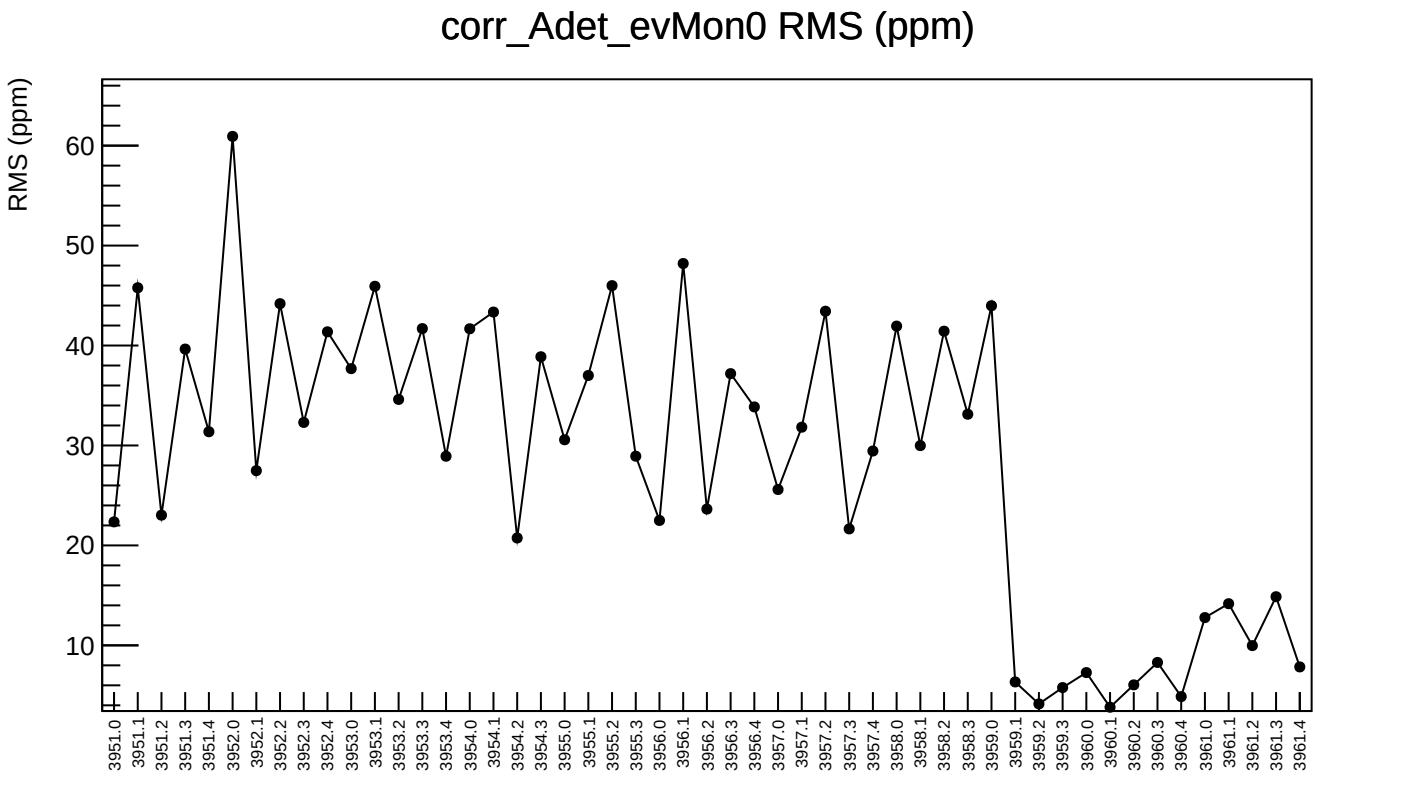
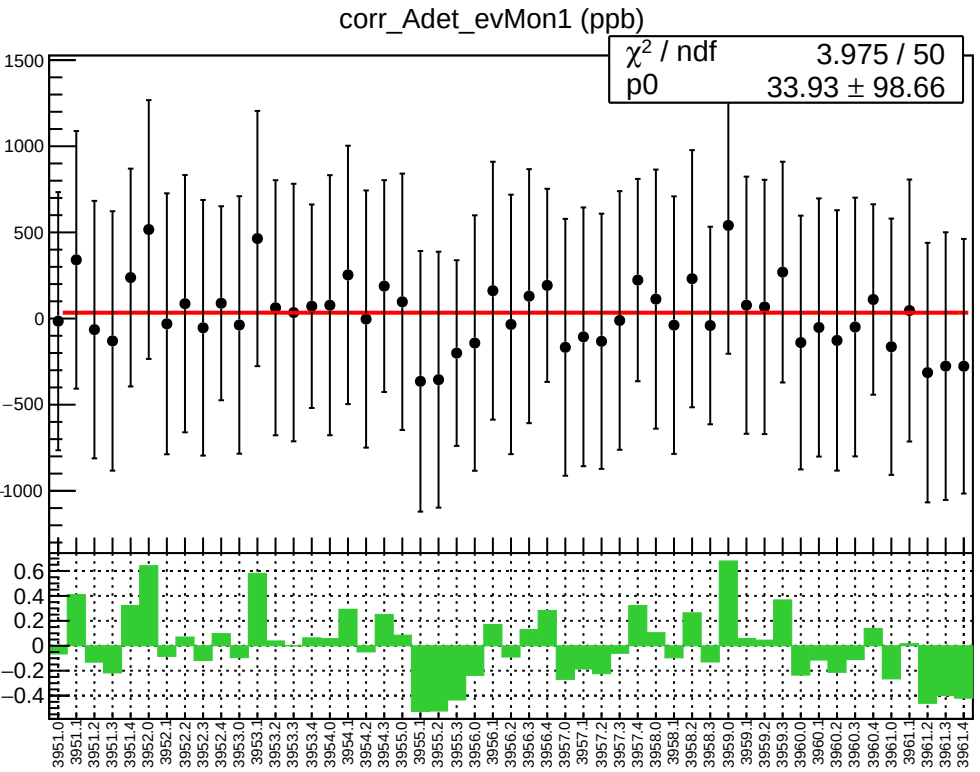

Adet (ppb)
χ² / ndf 41.92 / 50
p0 640.3 ± 127.6
1D pull distribution
Mean 0.008446 ± 0.1269
Std Dev 0.9066 ± 0.08976
Underflow 0
Overflow 0
χ² / ndf 6.562 / 6
Constant 11.77 ± 2.77
Mean 0.04379 ± 0.12344
Sigma 0.8061 ± 0.1505

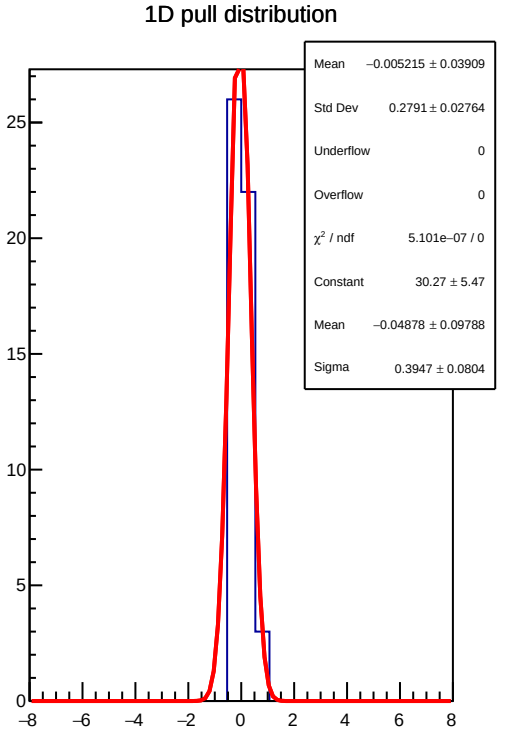

Adet RMS (ppm)
RMS (ppm)
95
94
93
92
91
90
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

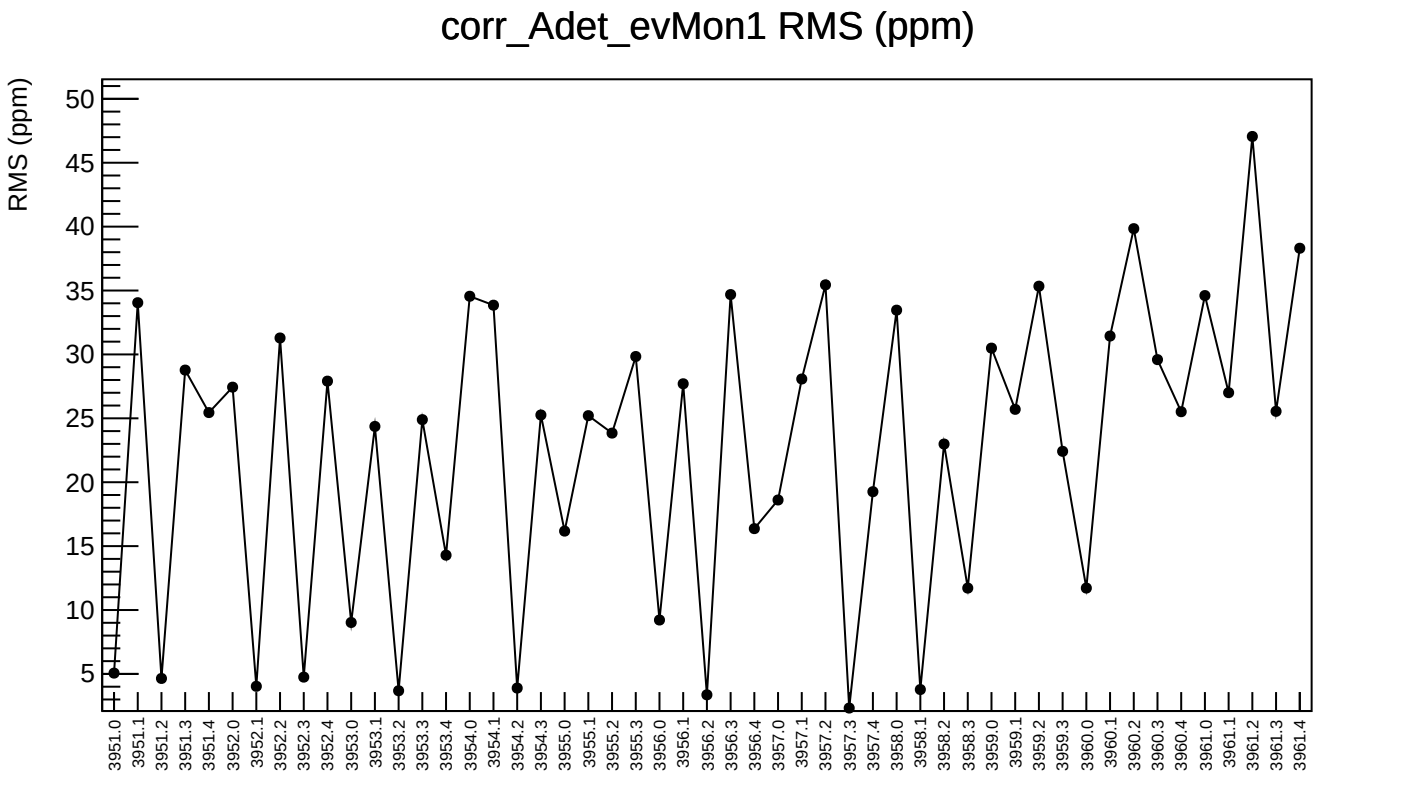

corr_Adet_evMon0 (ppb)
χ² / ndf 2.063 / 50
p0 43.98 ± 155

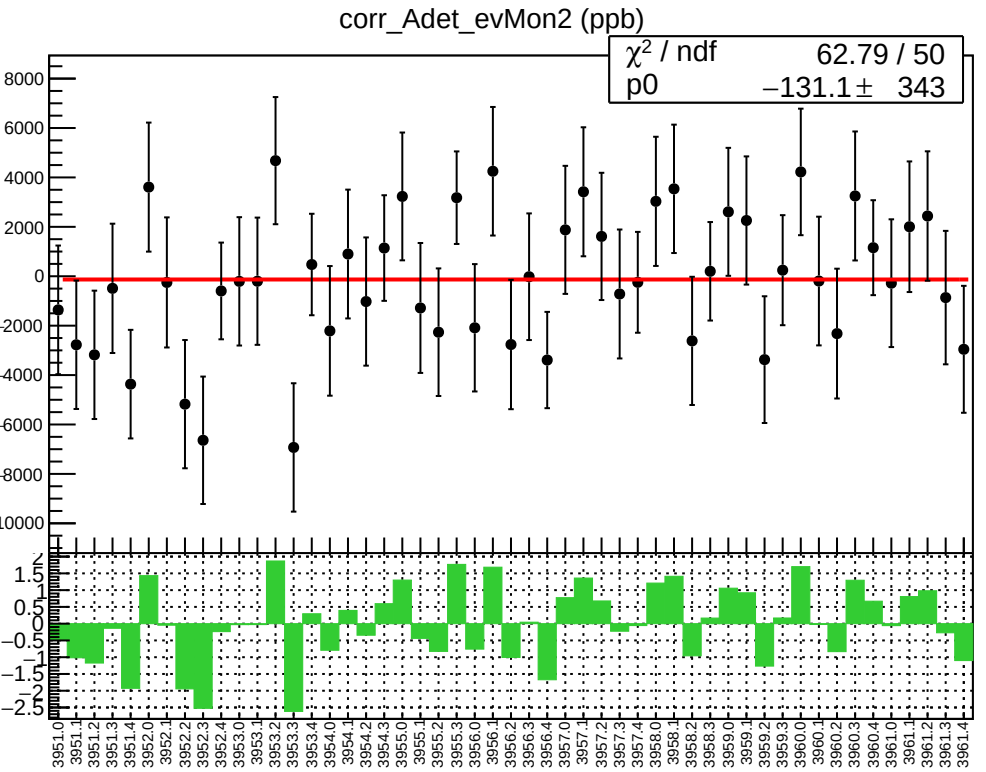

1D pull distribution
Mean −0.004995 ± 0.02815
Std Dev 0.201 ± 0.01991
Underflow 0
Overflow 0
χ² / ndf 5.504e−09 / 0
Constant 38.93 ± 83.61
Mean −0.03105 ± 0.16579
Sigma 0.2902 ± 0.6503

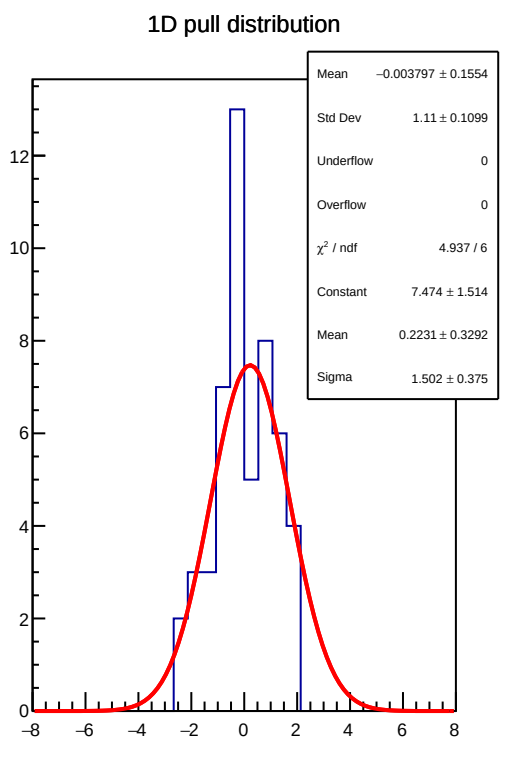

corr_Adet_evMon0 RMS (ppm)
RMS (ppm)
60
50
40
30
20
10
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

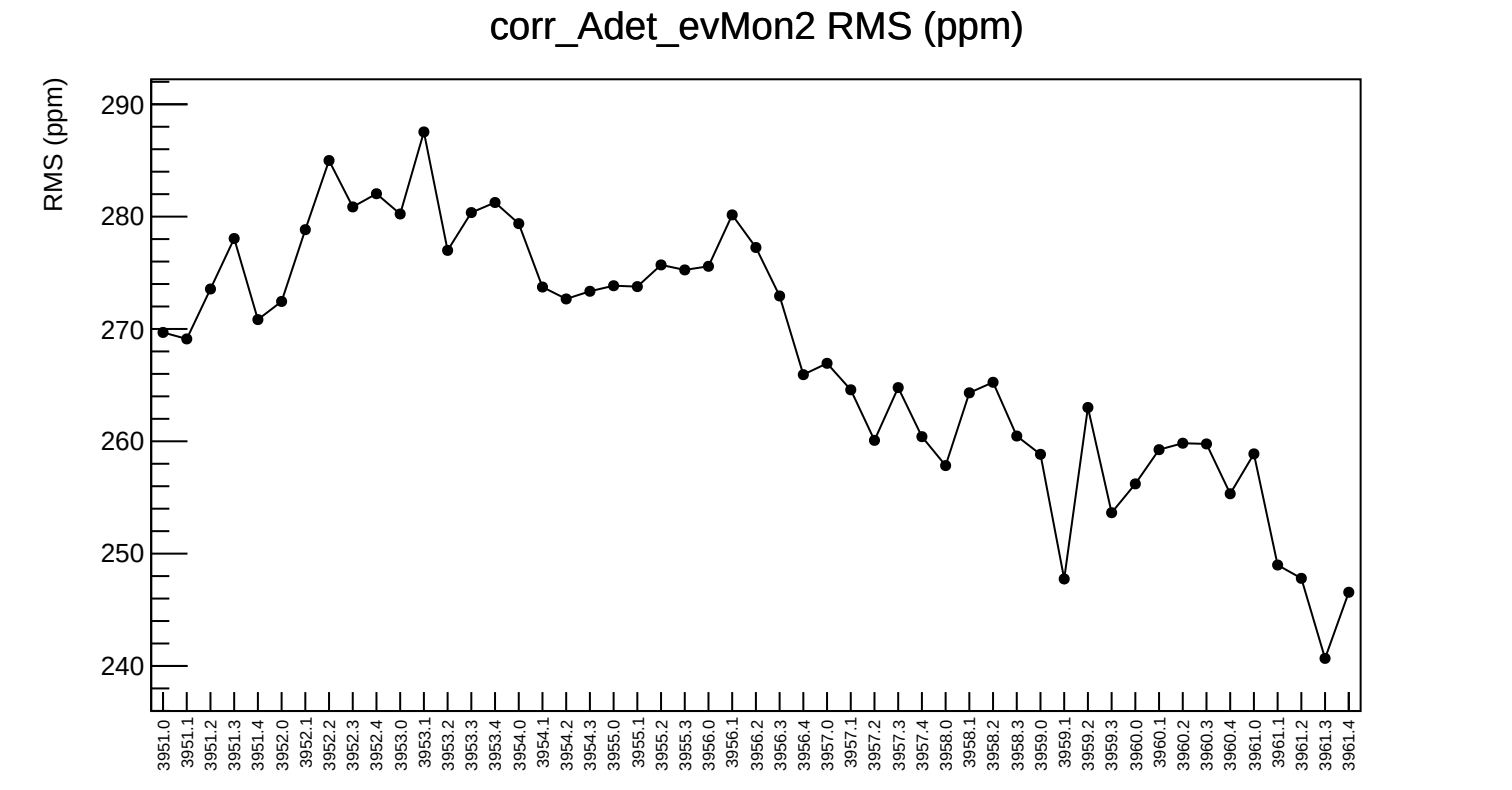

corr_Adet_evMon1 (ppb)
χ² / ndf 3.975 / 50
p0 33.93 ± 98.66
1500
1000
500
0
−500
−1000
0.6
0.4
0.2
0
−0.2
−0.4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

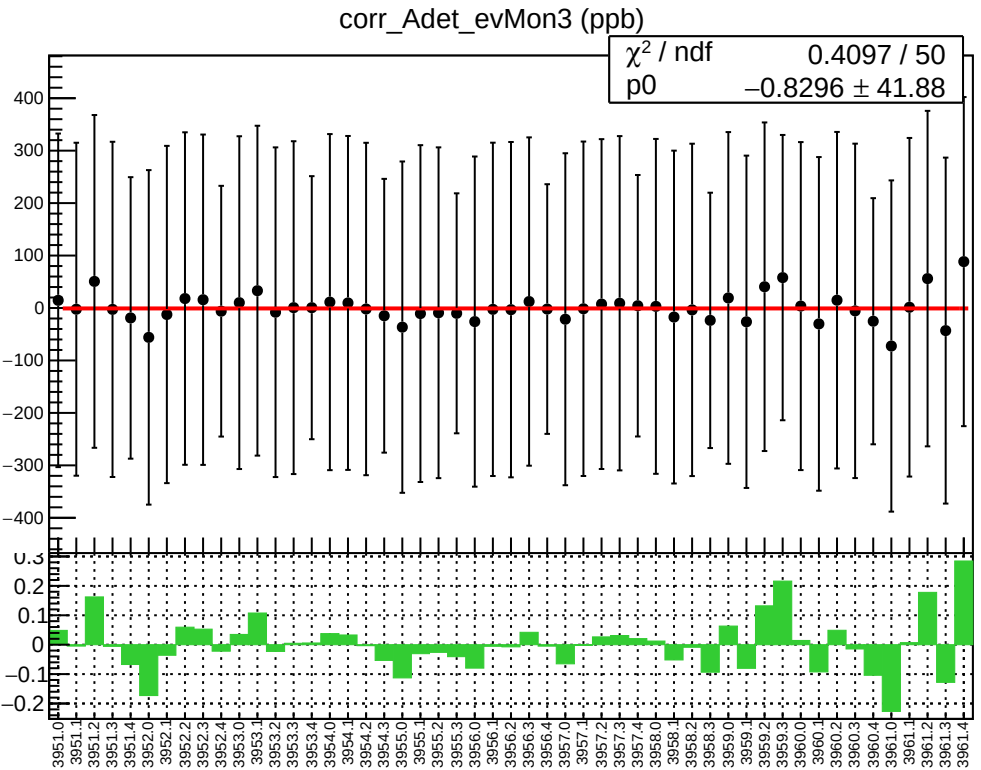

1D pull distribution
Mean −0.005215 ± 0.03909
Std Dev 0.2791 ± 0.02764
Underflow 0
Overflow 0
χ² / ndf 5.101e−07 / 0
Constant 30.27 ± 5.47
Mean −0.04878 ± 0.09788
Sigma 0.3947 ± 0.0804
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

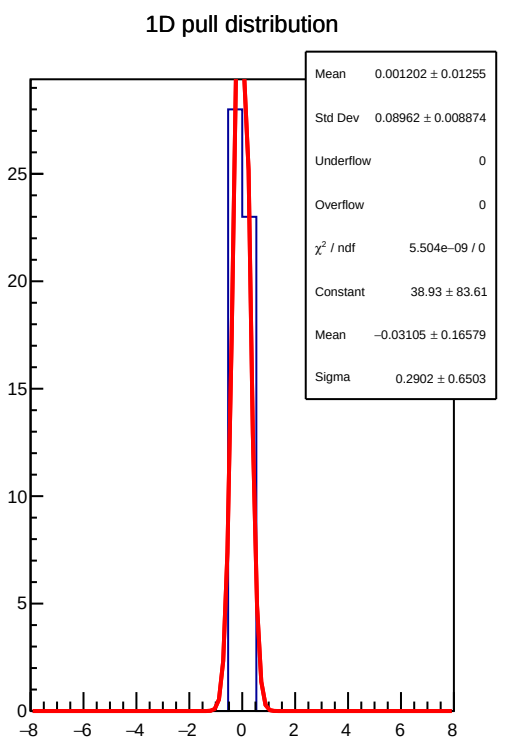

corr_Adet_evMon1 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
20
15
10
5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

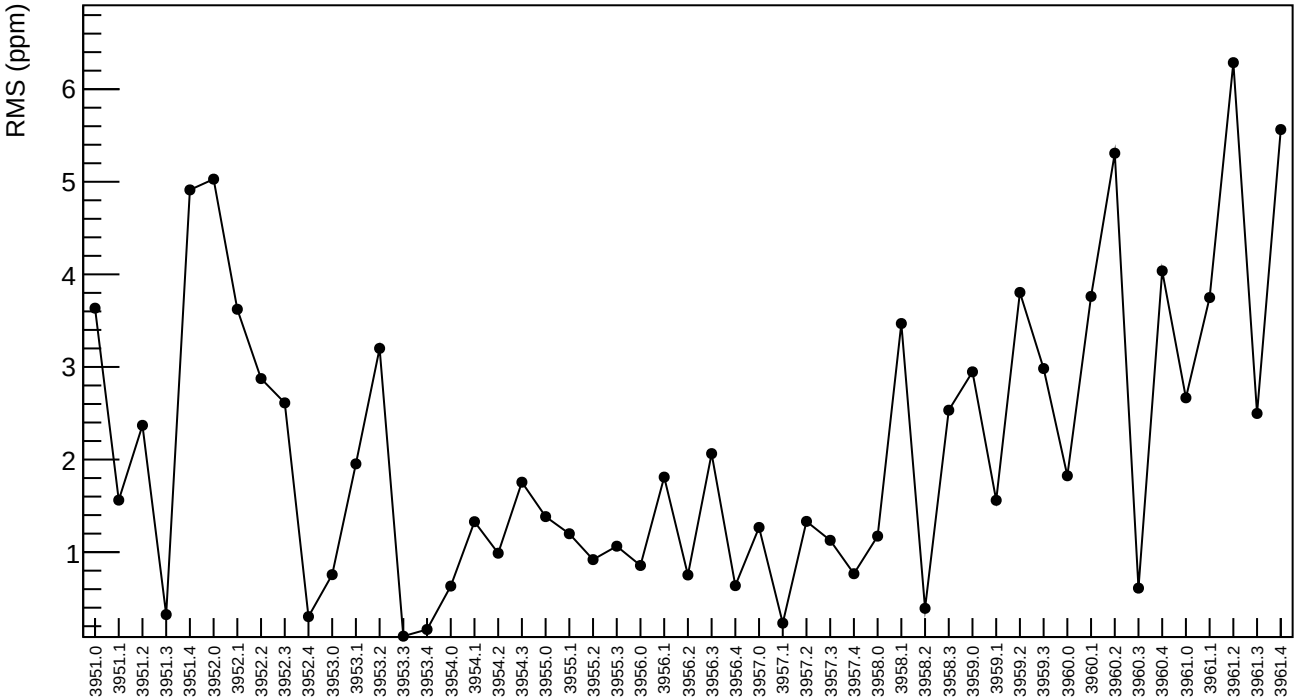

corr_Adet_evMon2 (ppb)
χ² / ndf 62.79 / 50
p0 −131.1 ± 343

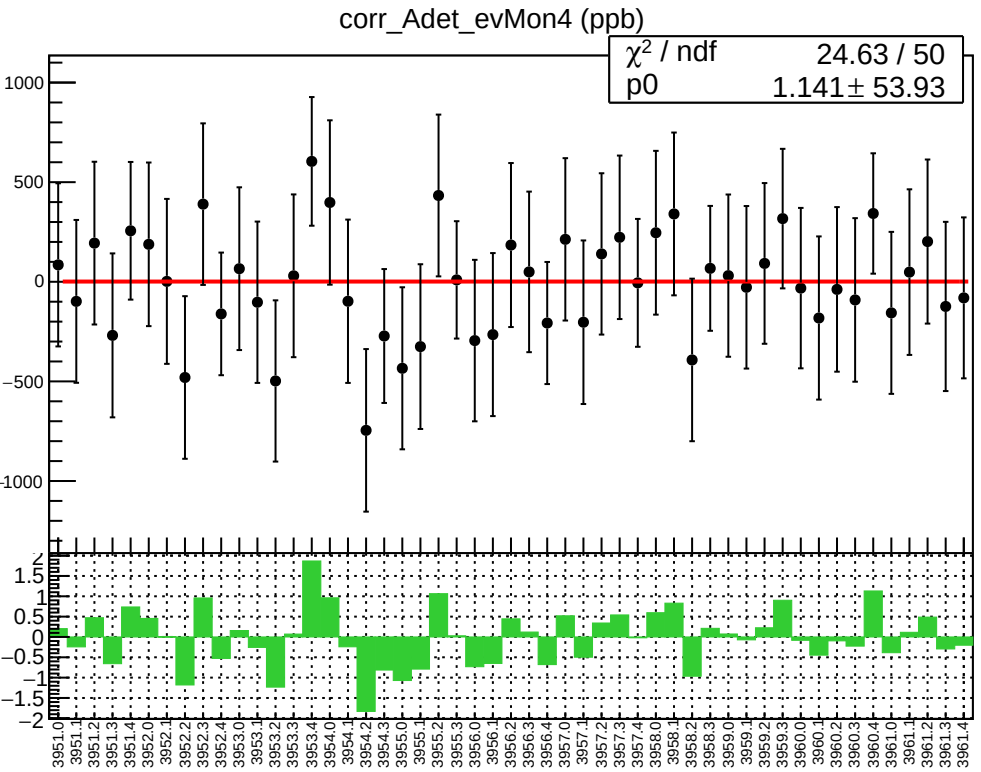

1D pull distribution
Mean −0.003797 ± 0.1554
Std Dev 1.11 ± 0.1099
Underflow 0
Overflow 0
χ² / ndf 4.937 / 6
Constant 7.474 ± 1.514
Mean 0.2231 ± 0.3292
Sigma 1.502 ± 0.375

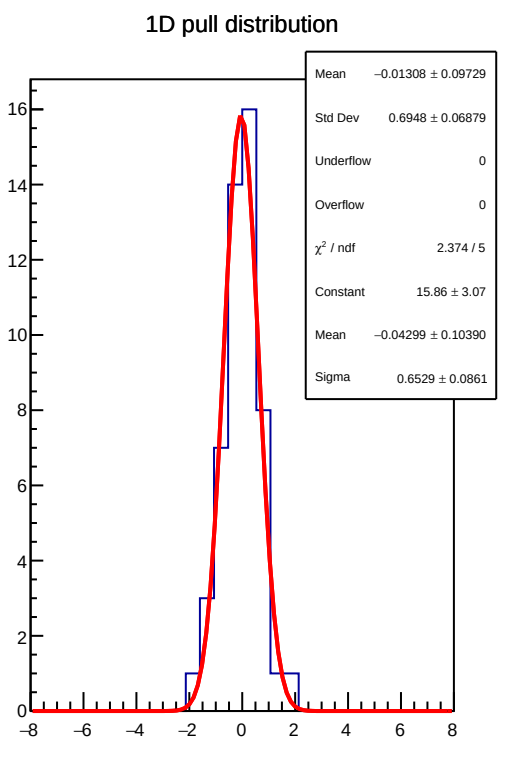

corr_Adet_evMon2 RMS (ppm)
RMS (ppm)
290
280
270
260
250
240
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

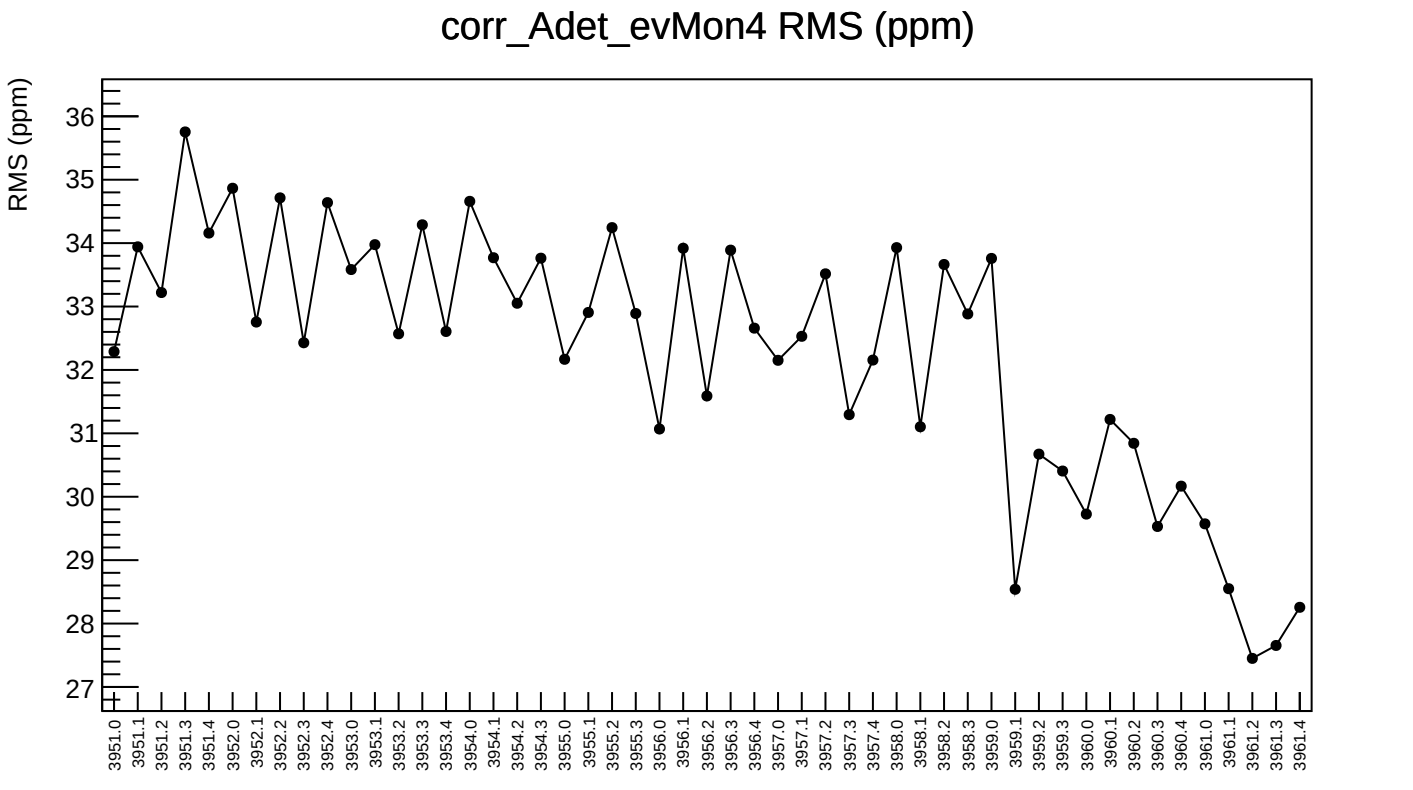

corr_Adet_evMon3 (ppb)
χ² / ndf 0.4097 / 50
p0 −0.8296 ± 41.88

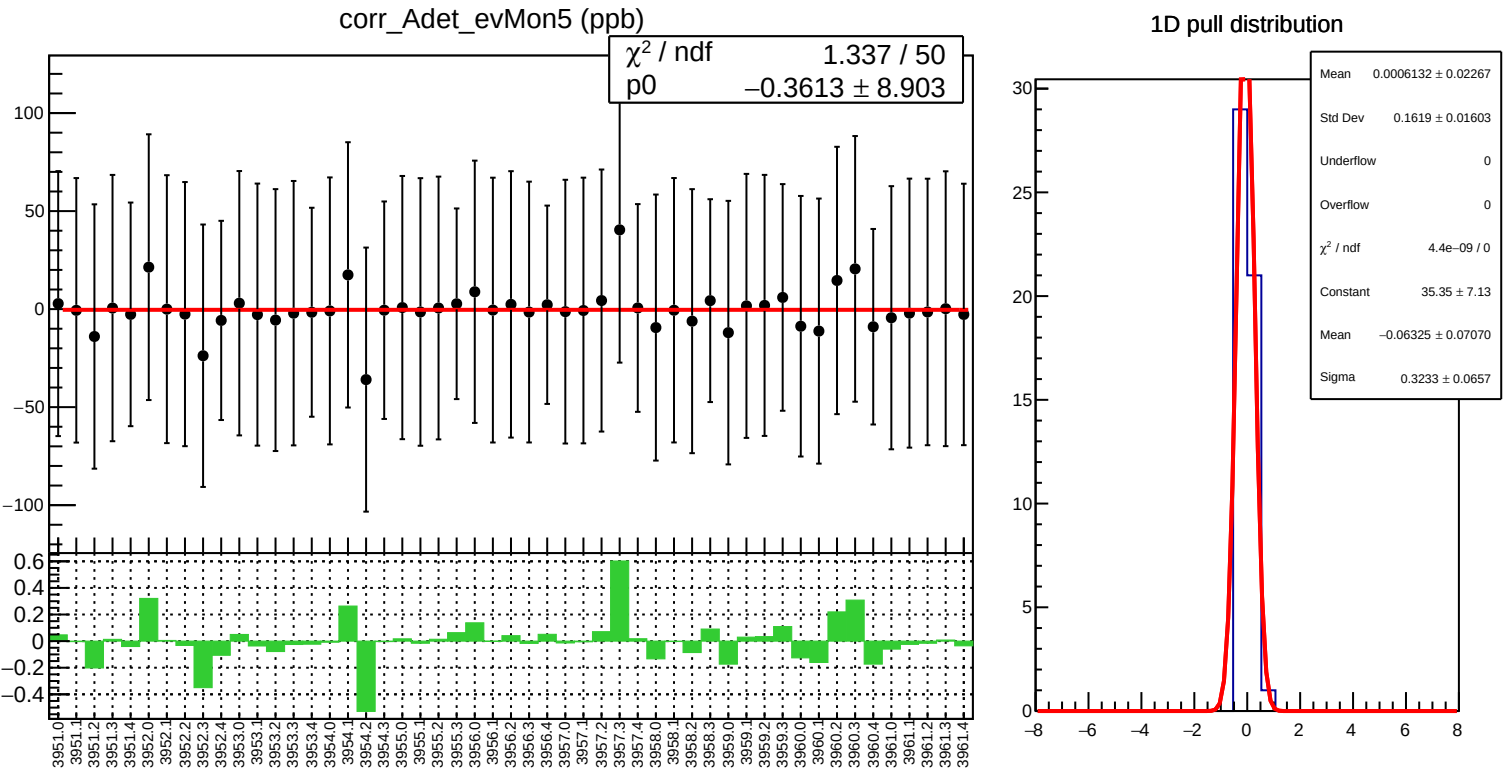

1D pull distribution
Mean 0.001202 ± 0.01255
Std Dev 0.08962 ± 0.008874
Underflow 0
Overflow 0
χ² / ndf 5.504e−09 / 0
Constant 38.93 ± 83.61
Mean −0.03105 ± 0.16579
Sigma 0.2902 ± 0.6503

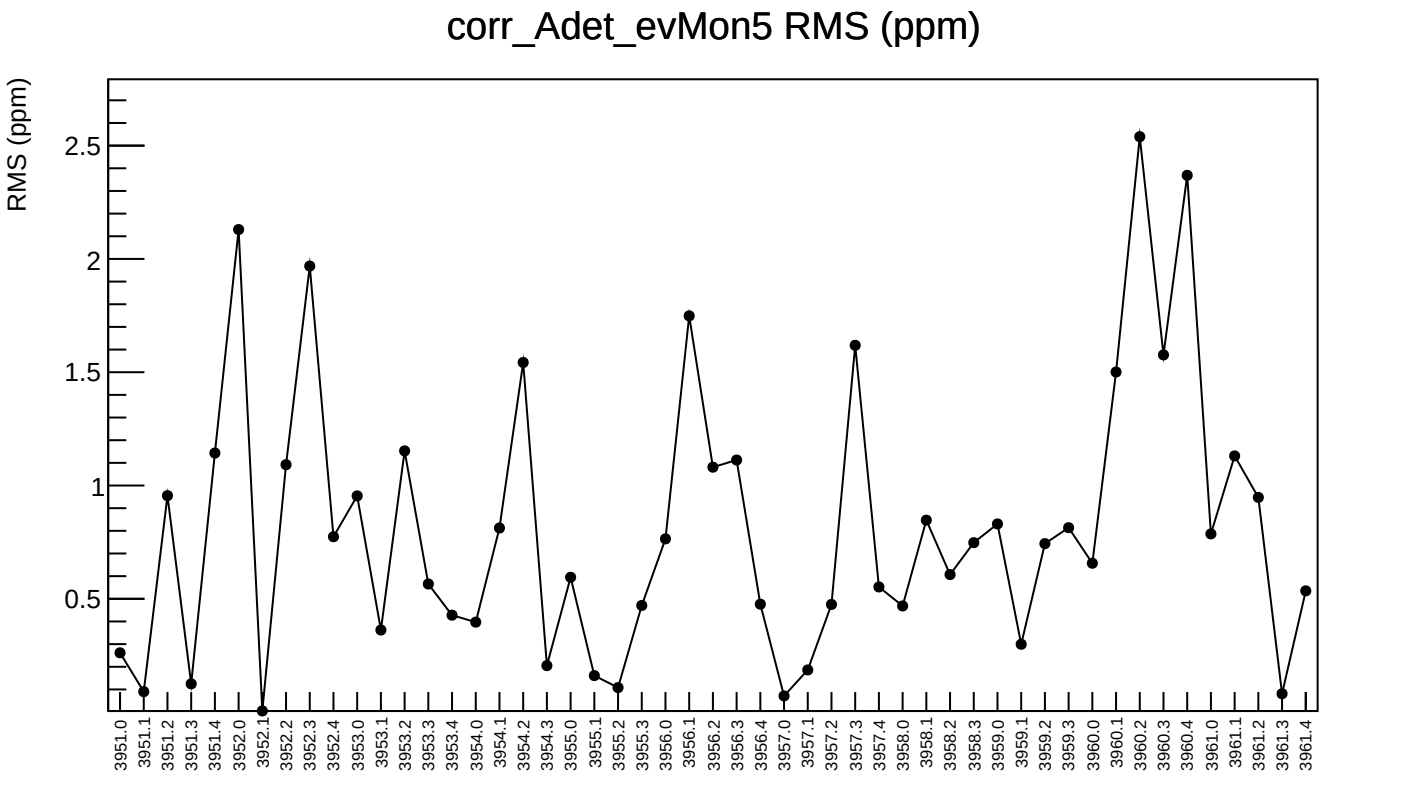

corr_Adet_evMon3 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

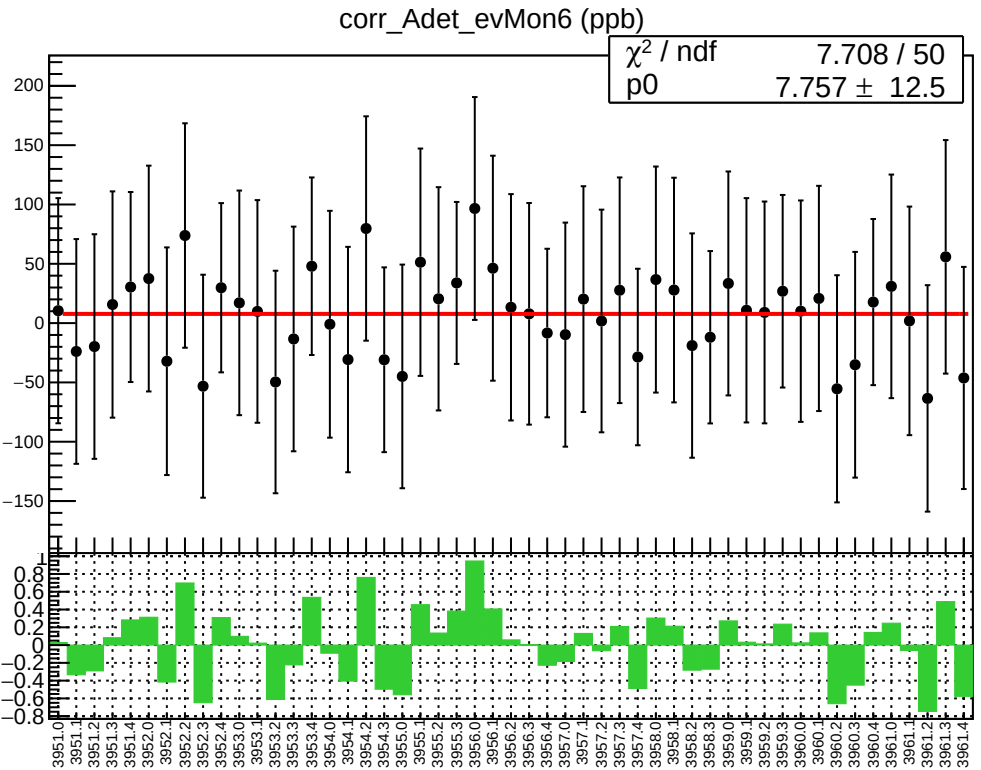

corr_Adet_evMon4 (ppb)
χ² / ndf 24.63 / 50
p0 1.141 ± 53.93
1000
500
0
−500
−1000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

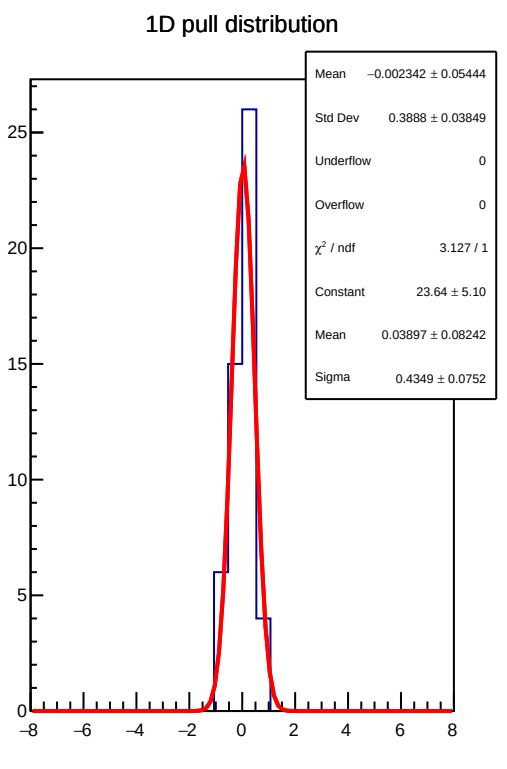

1D pull distribution
Mean −0.01308 ± 0.09729
Std Dev 0.6948 ± 0.06879
Underflow 0
Overflow 0
χ² / ndf 2.374 / 5
Constant 15.86 ± 3.07
Mean −0.04299 ± 0.10390
Sigma 0.6529 ± 0.0861
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

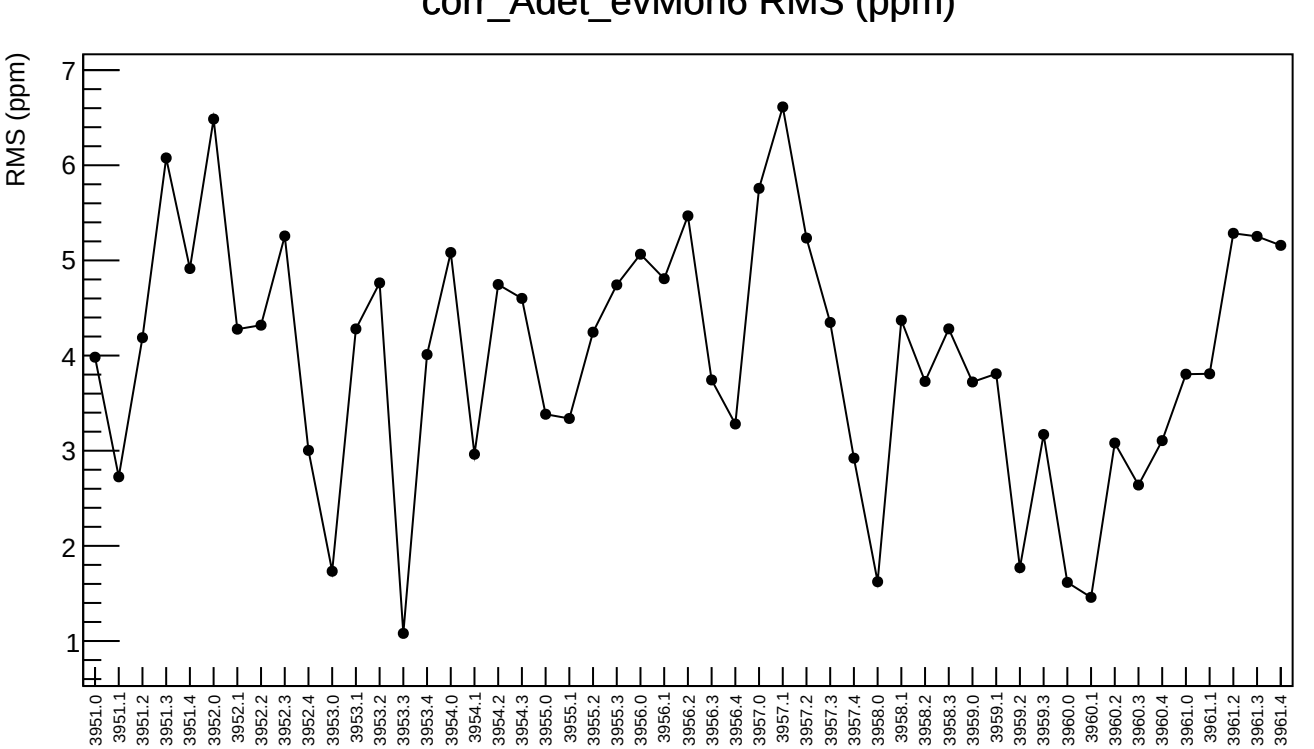

corr_Adet_evMon4 RMS (ppm)
RMS (ppm)
36
35
34
33
32
31
30
29
28
27
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

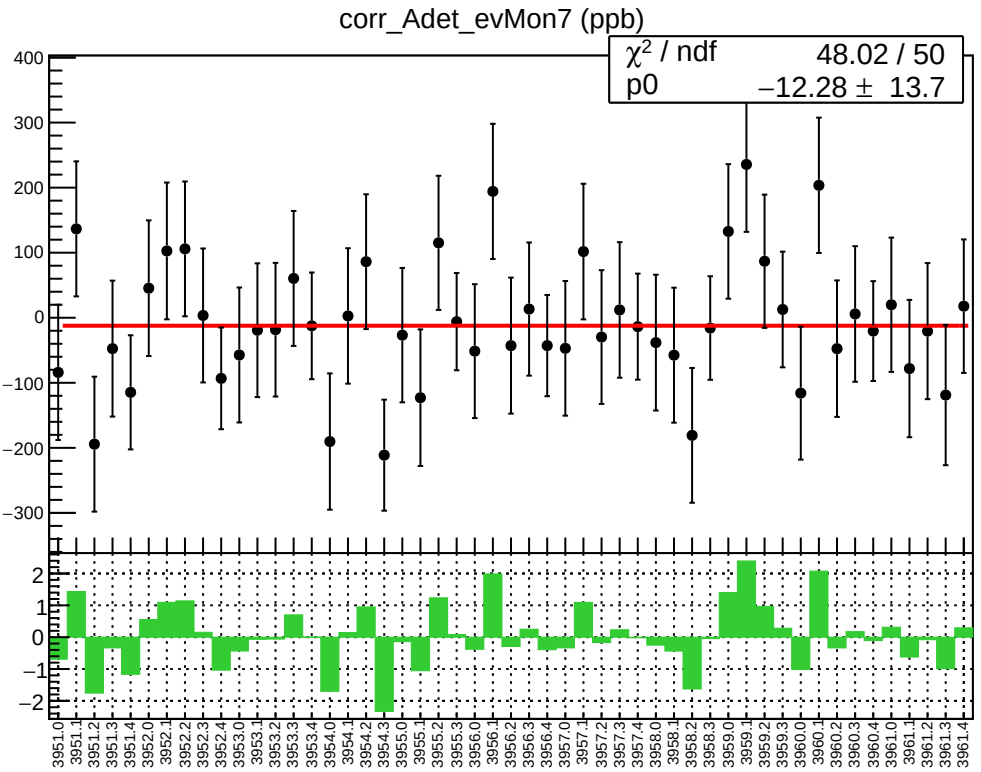

corr_Adet_evMon5 (ppb)
χ² / ndf 1.337 / 50
p0 −0.3613 ± 8.903
1D pull distribution
Mean 0.0006132 ± 0.02267
Std Dev 0.1619 ± 0.01603
Underflow 0
Overflow 0
χ² / ndf 4.4e−09 / 0
Constant 35.35 ± 7.13
Mean −0.06325 ± 0.07070
Sigma 0.3233 ± 0.0657

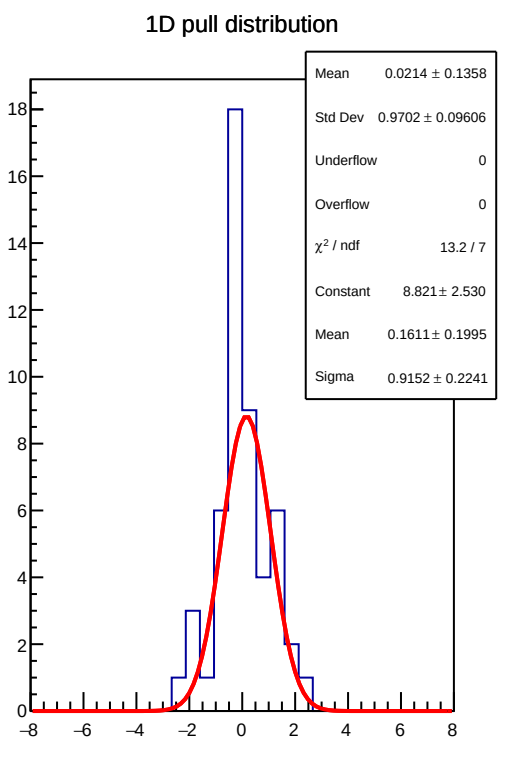

corr_Adet_evMon5 RMS (ppm)
RMS (ppm)
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

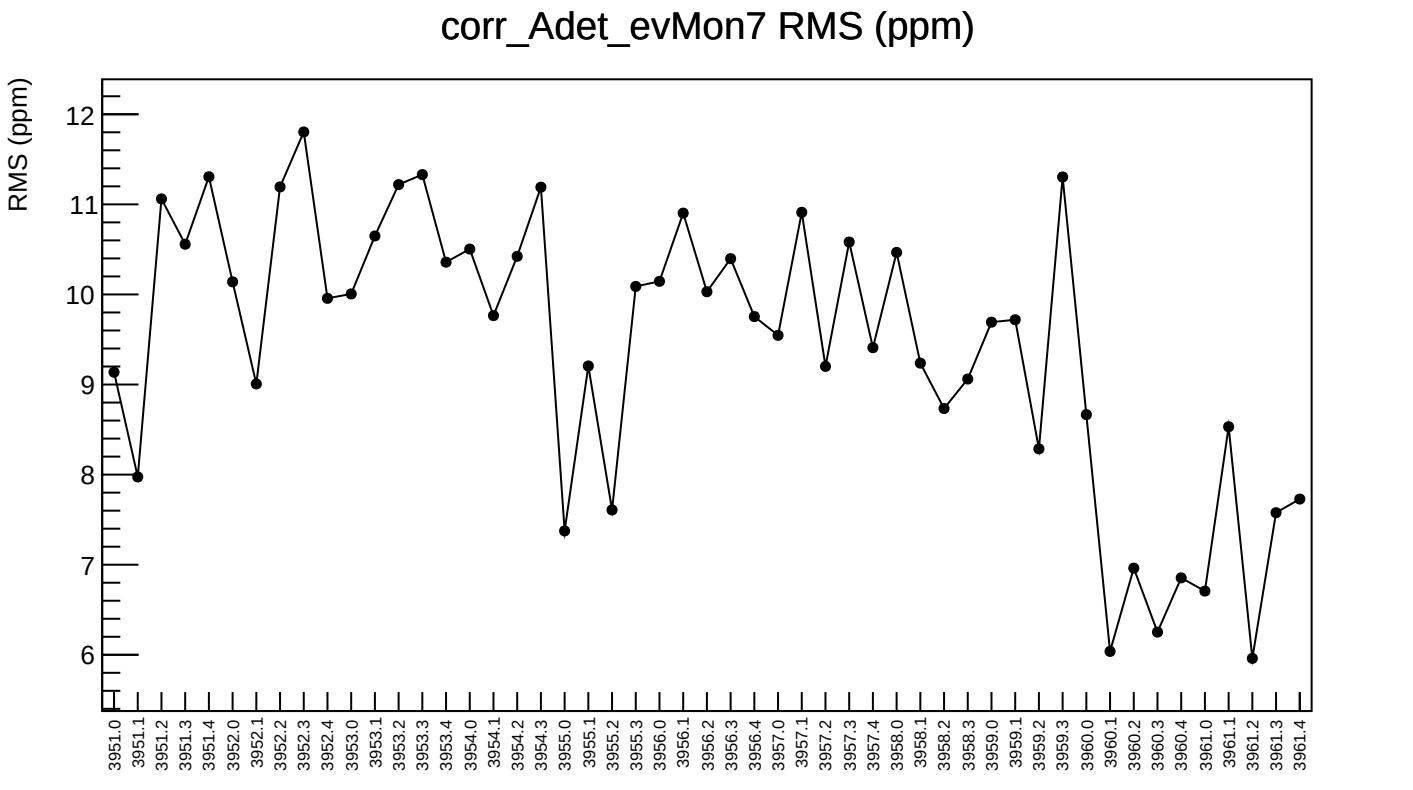

corr_Adet_evMon6 (ppb)
χ² / ndf 7.708 / 50
p0 7.757 ± 12.5

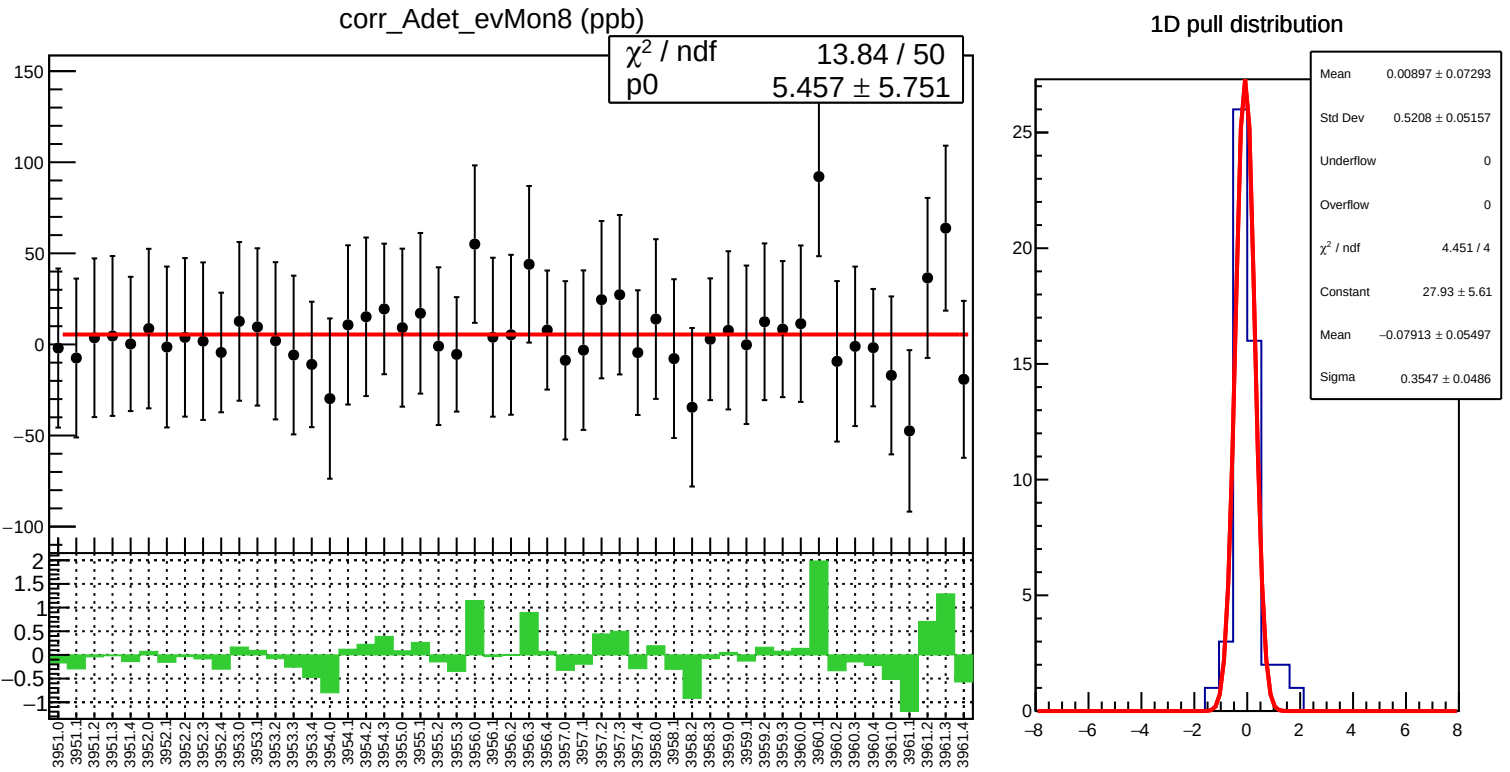

1D pull distribution
Mean −0.002342 ± 0.05444
Std Dev 0.3888 ± 0.03849
Underflow 0
Overflow 0
χ² / ndf 3.127 / 1
Constant 23.64 ± 5.10
Mean 0.03897 ± 0.08242
Sigma 0.4349 ± 0.0752

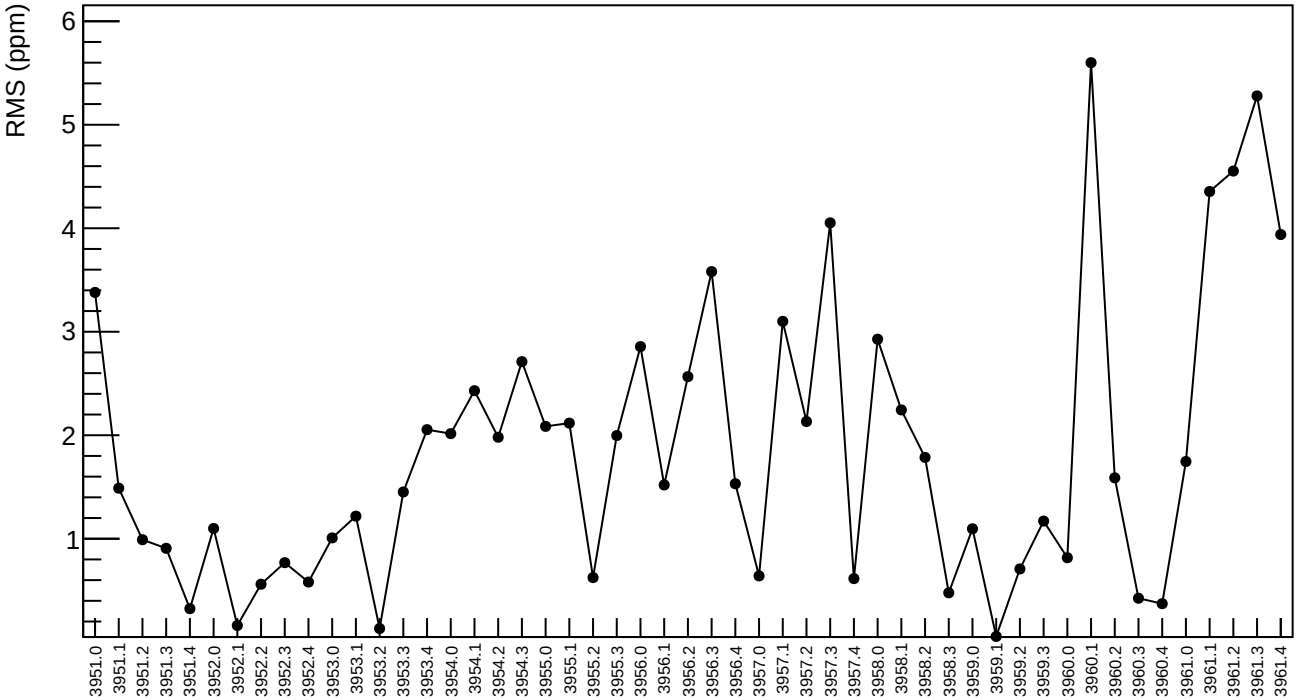

corr_Adet_evMon6 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

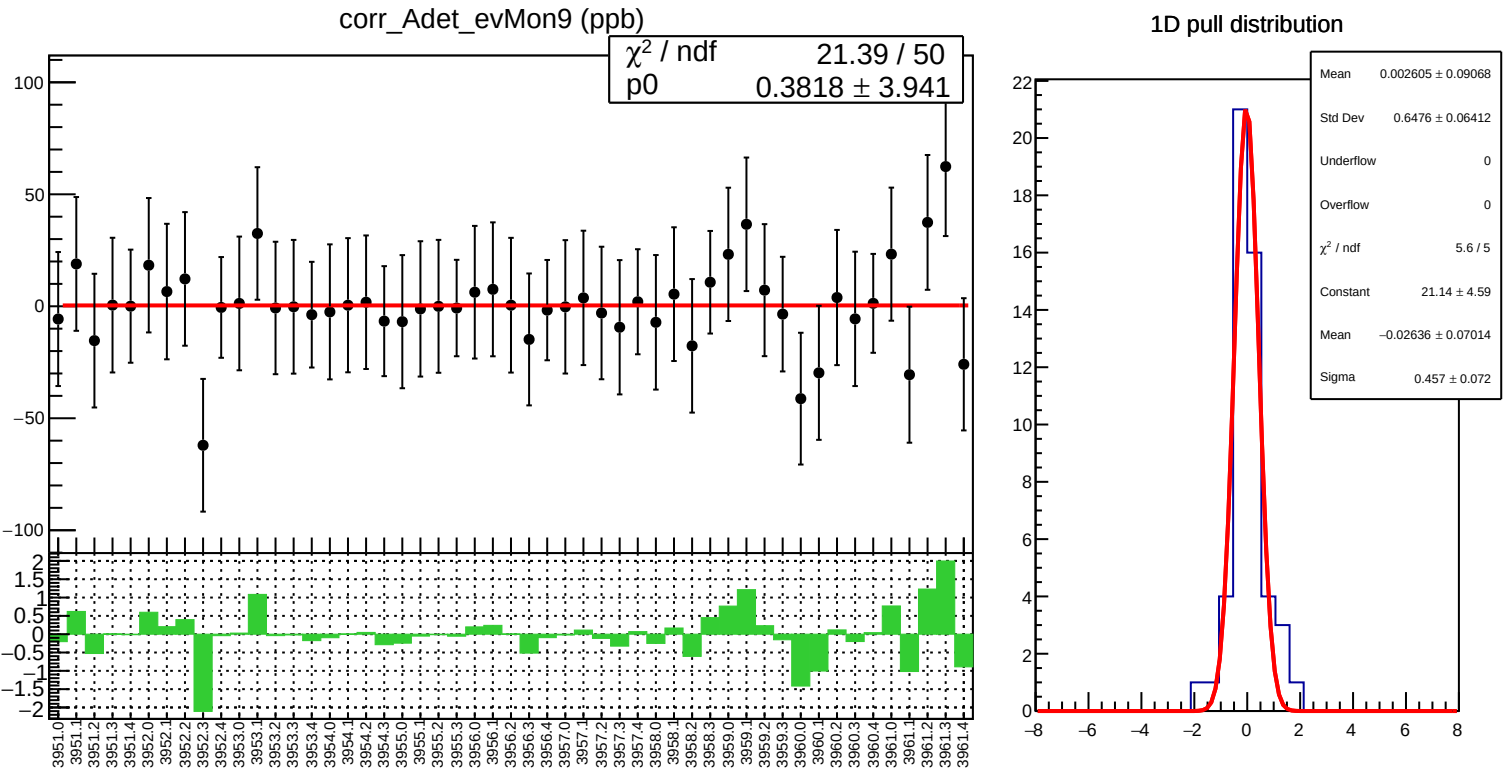

corr_Adet_evMon7 (ppb)
χ² / ndf 48.02 / 50
p0 −12.28 ± 13.7
400
300
200
100
0
−100
−200
−300
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

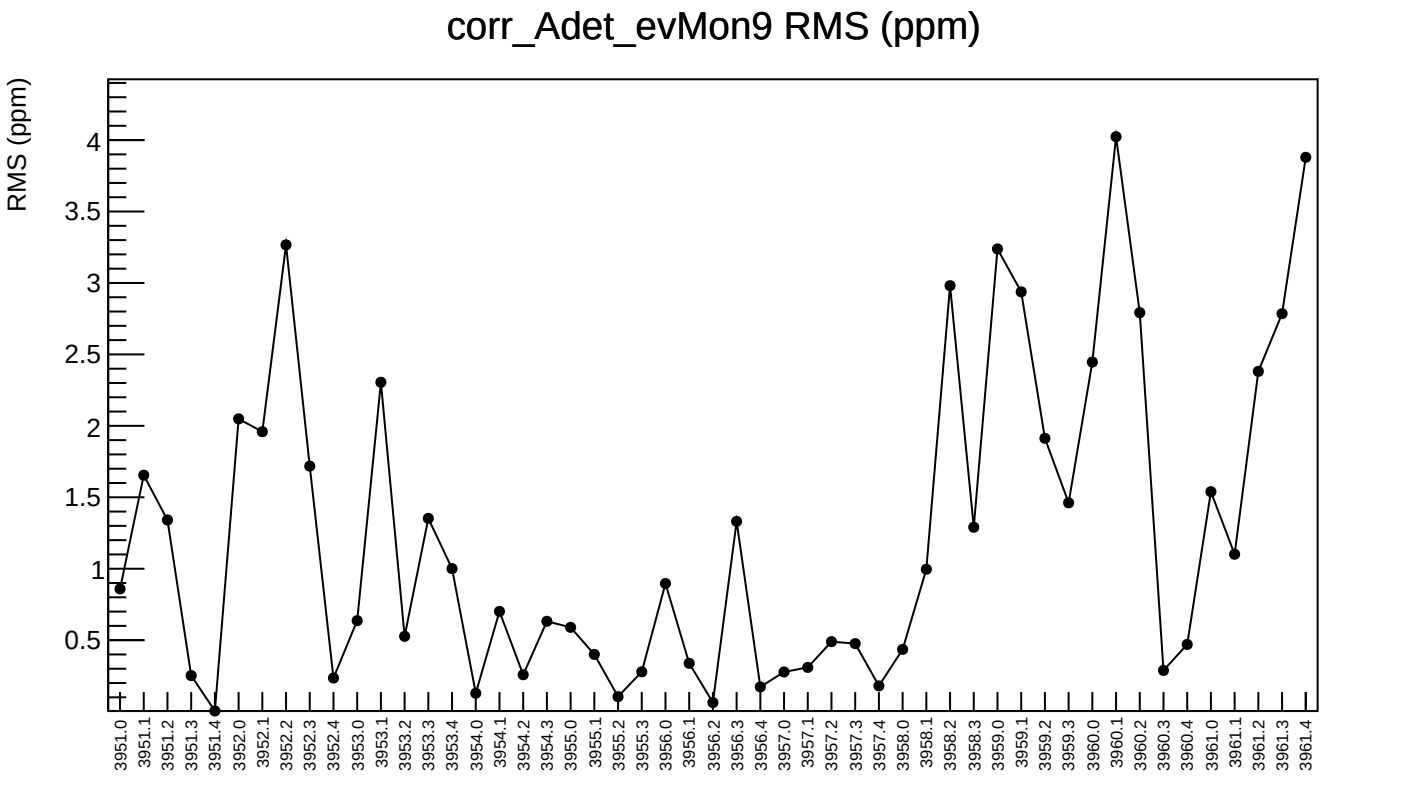

1D pull distribution
Mean 0.0214 ± 0.1358
Std Dev 0.9702 ± 0.09606
Underflow 0
Overflow 0
χ² / ndf 13.2 / 7
Constant 8.821 ± 2.530
Mean 0.1611 ± 0.1995
Sigma 0.9152 ± 0.2241
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

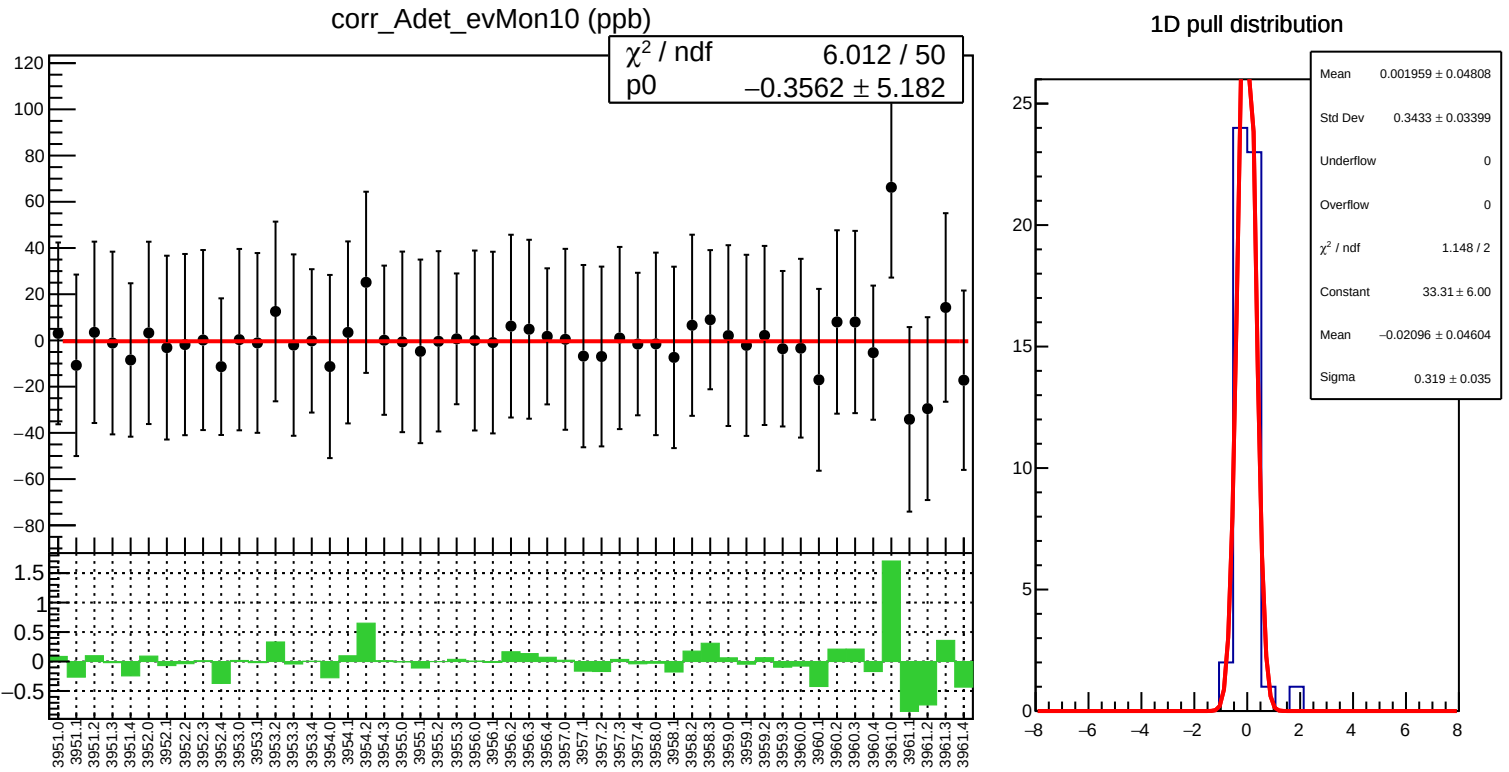

corr_Adet_evMon7 RMS (ppm)
RMS (ppm)
12
11
10
9
8
7
6
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

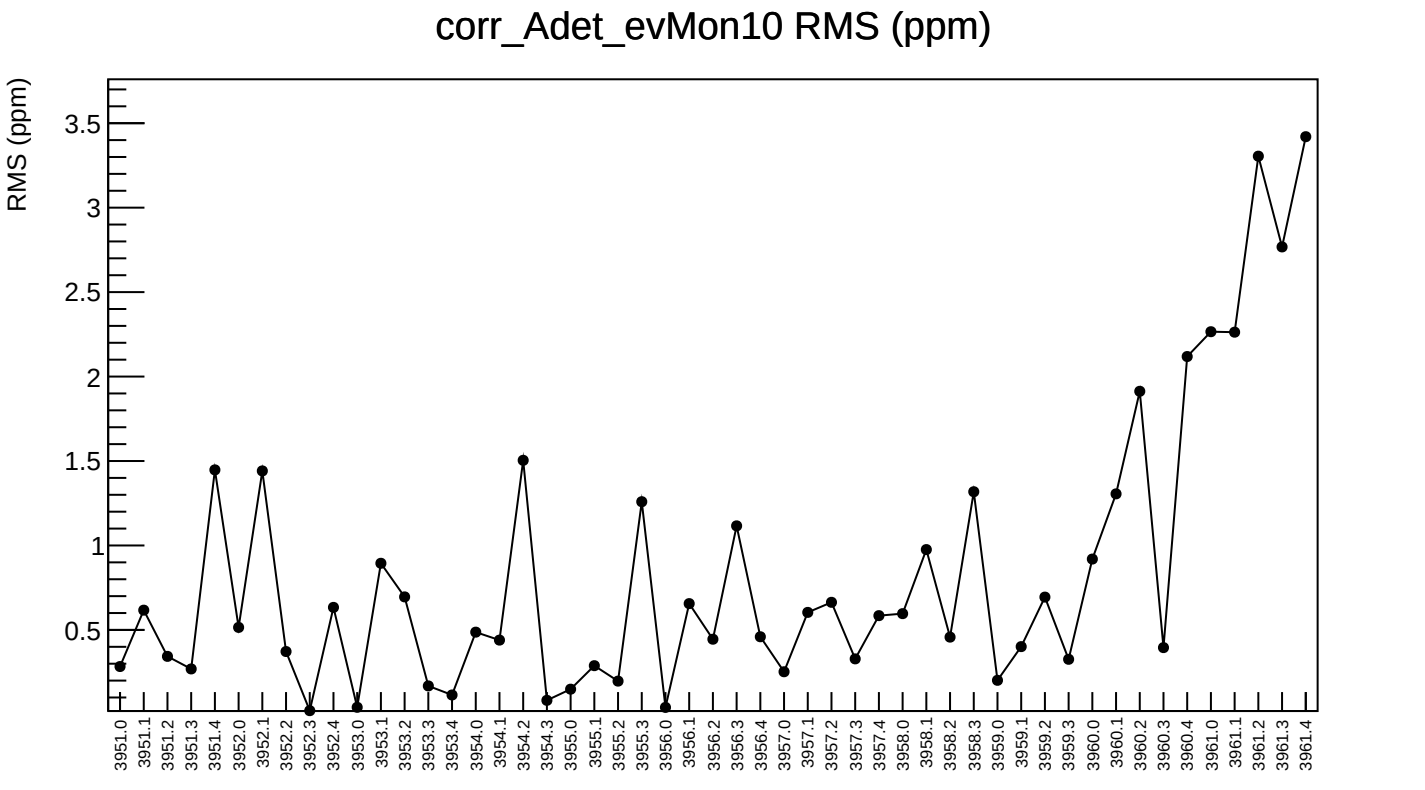

corr_Adet_evMon8 (ppb)
χ² / ndf 13.84 / 50
p0 5.457 ± 5.751
1D pull distribution
Mean 0.00897 ± 0.07293
Std Dev 0.5208 ± 0.05157
Underflow 0
Overflow 0
χ² / ndf 4.451 / 4
Constant 27.93 ± 5.61
Mean −0.07913 ± 0.05497
Sigma 0.3547 ± 0.0486

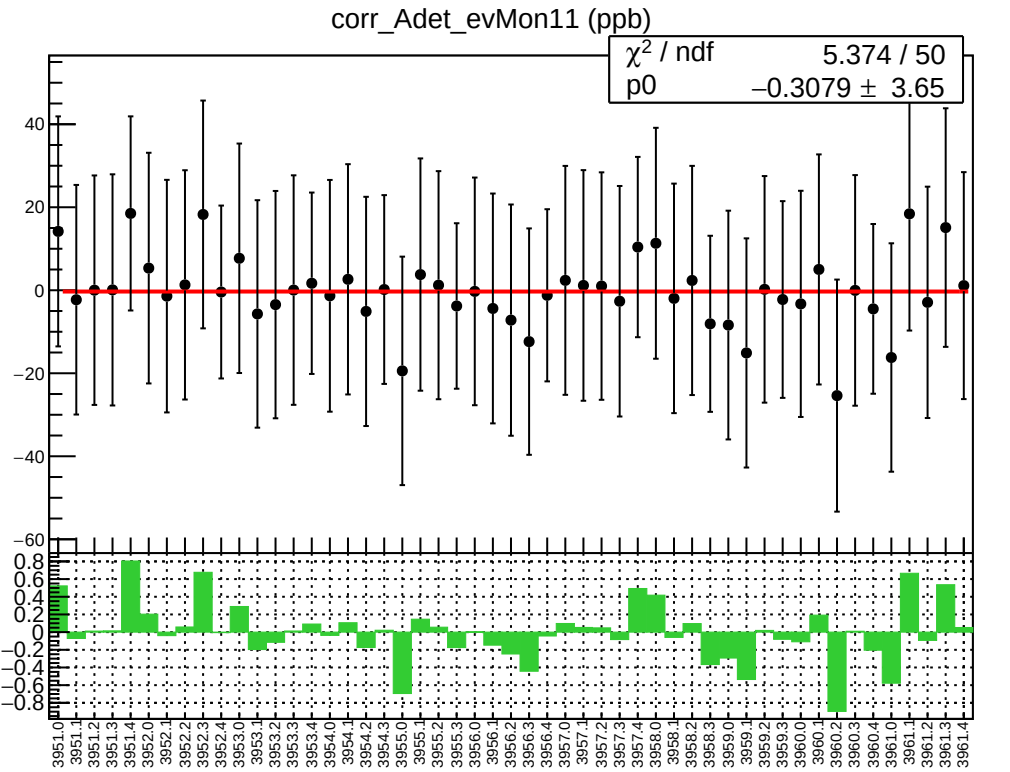

corr_Adet_evMon8 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

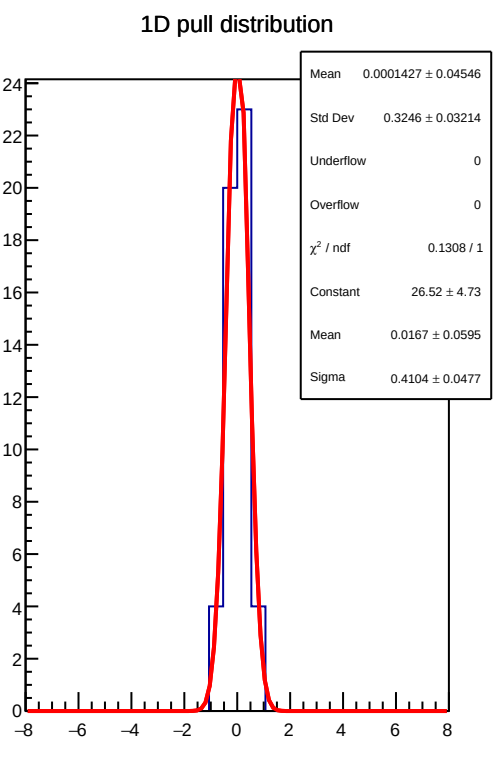

corr_Adet_evMon9 (ppb)
χ² / ndf 21.39 / 50
p0 0.3818 ± 3.941
1D pull distribution
Mean 0.002605 ± 0.09068
Std Dev 0.6476 ± 0.06412
Underflow 0
Overflow 0
χ² / ndf 5.6 / 5
Constant 21.14 ± 4.59
Mean −0.02636 ± 0.07014
Sigma 0.457 ± 0.072

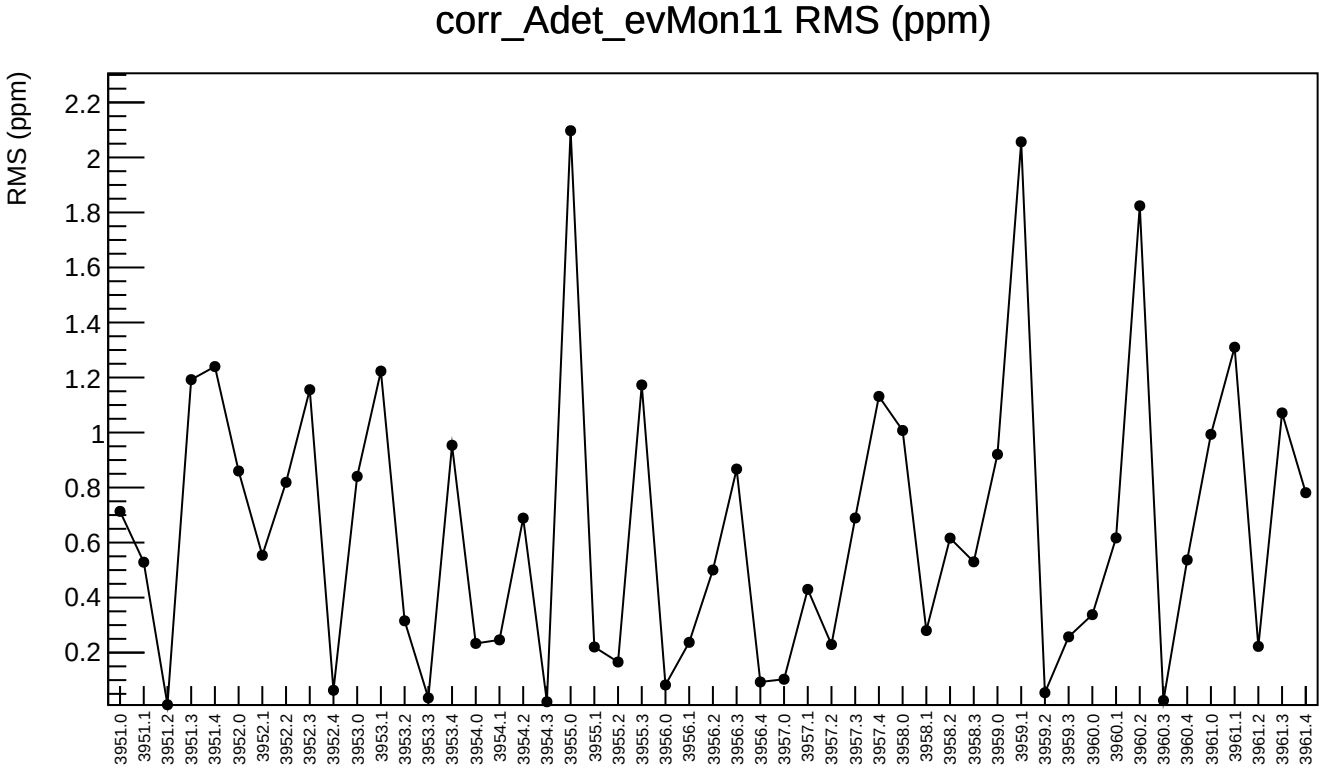

corr_Adet_evMon9 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

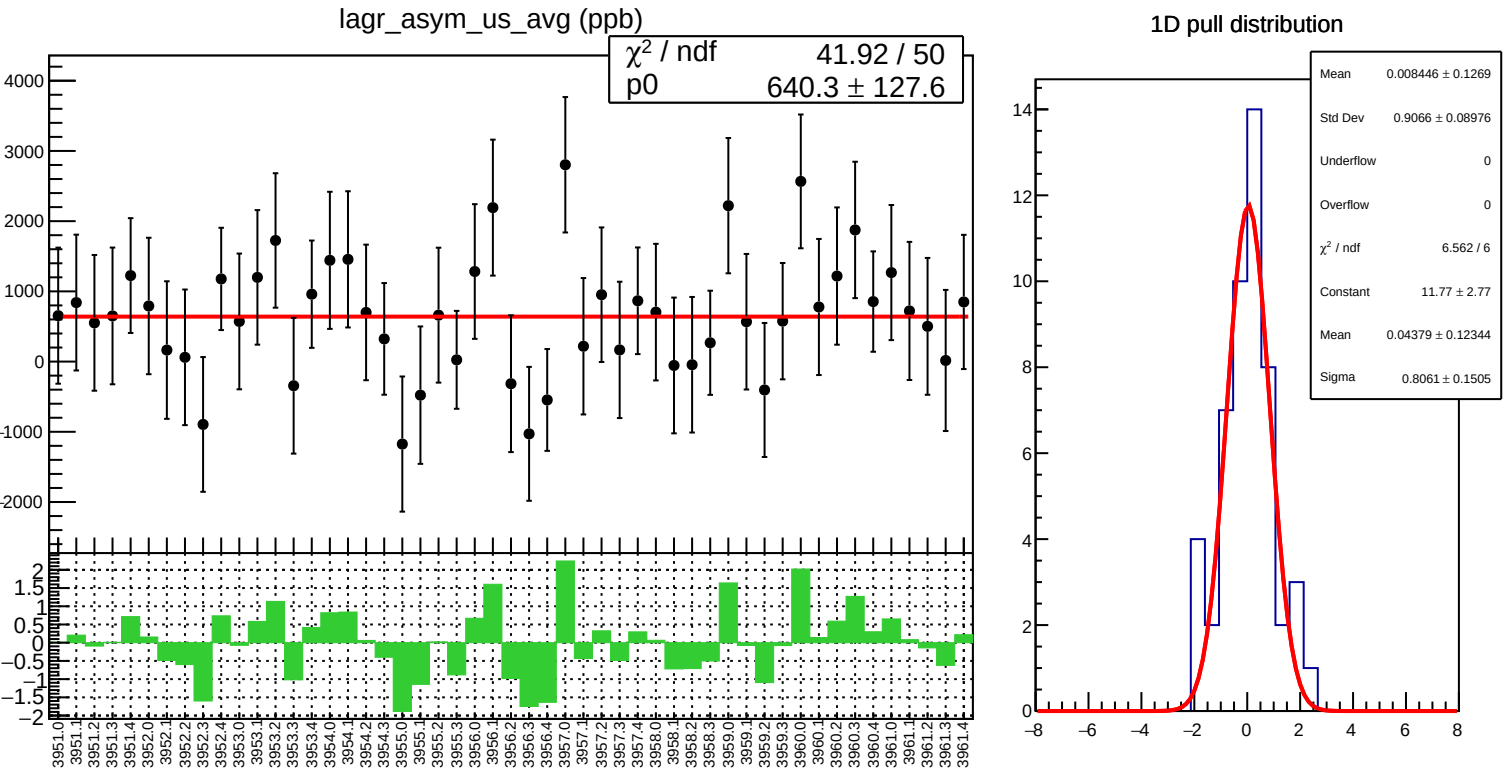

corr_Adet_evMon10 (ppb)
χ² / ndf 6.012 / 50
p0 −0.3562 ± 5.182
1D pull distribution
Mean 0.001959 ± 0.04808
Std Dev 0.3433 ± 0.03399
Underflow 0
Overflow 0
χ² / ndf 1.148 / 2
Constant 33.31 ± 6.00
Mean −0.02096 ± 0.04604
Sigma 0.319 ± 0.035

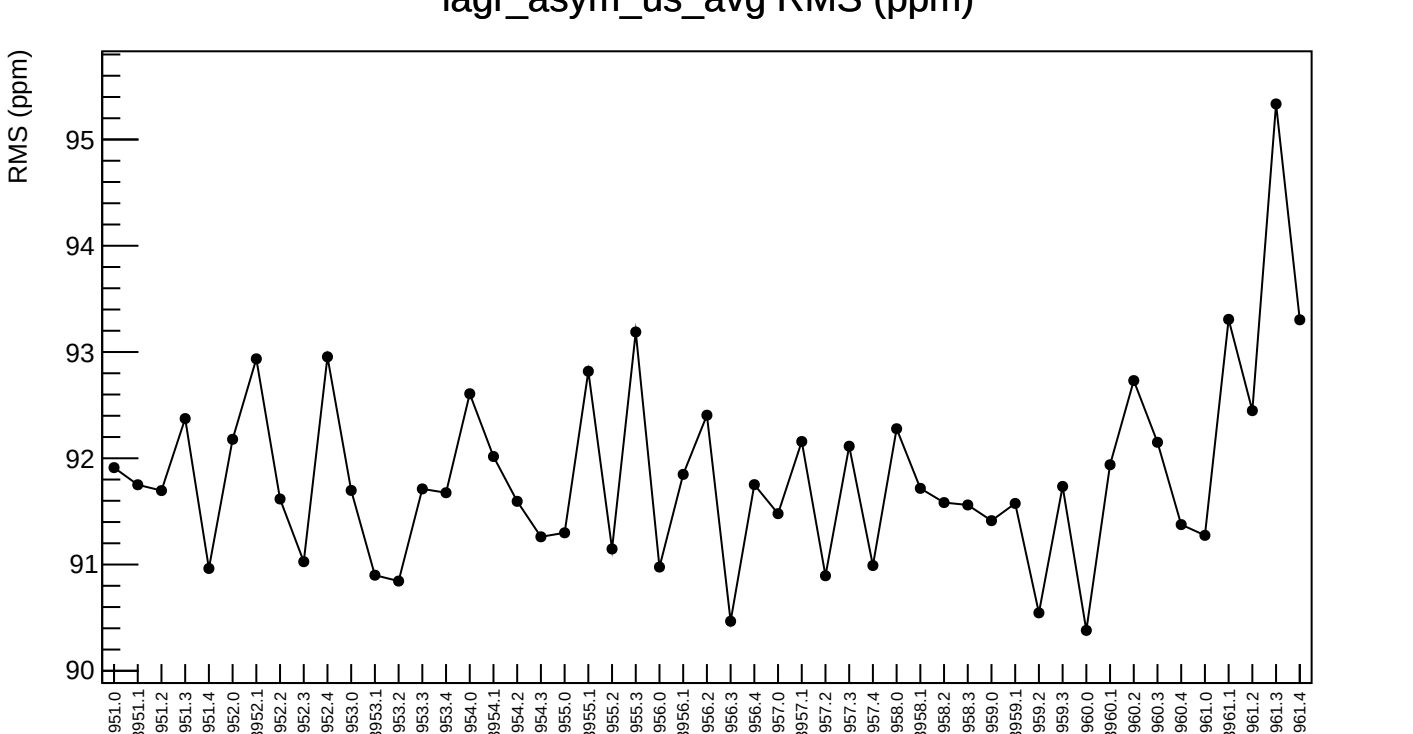

corr_Adet_evMon10 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

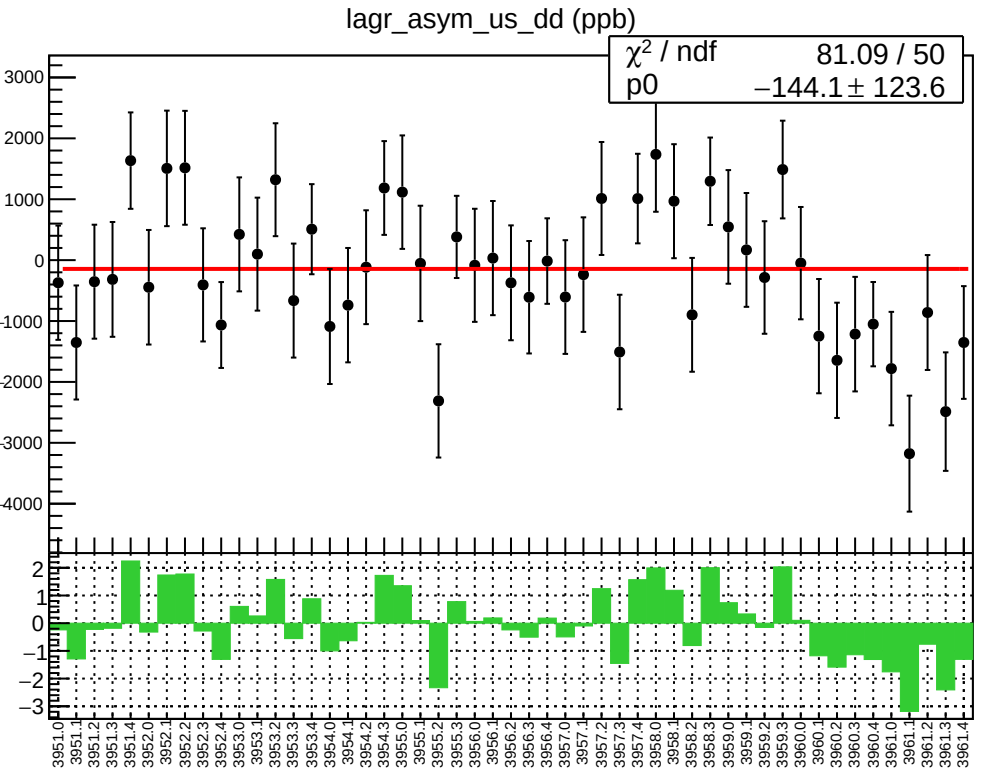

corr_Adet_evMon11 (ppb)
χ² / ndf 5.374 / 50
p0 −0.3079 ± 3.65

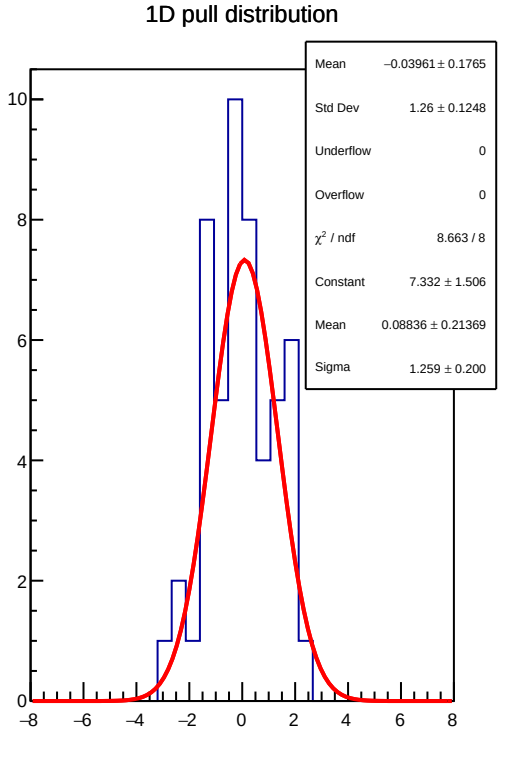

1D pull distribution
Mean 0.0001427 ± 0.04546
Std Dev 0.3246 ± 0.03214
Underflow 0
Overflow 0
χ² / ndf 0.1308 / 1
Constant 26.52 ± 4.73
Mean 0.0167 ± 0.0595
Sigma 0.4104 ± 0.0477

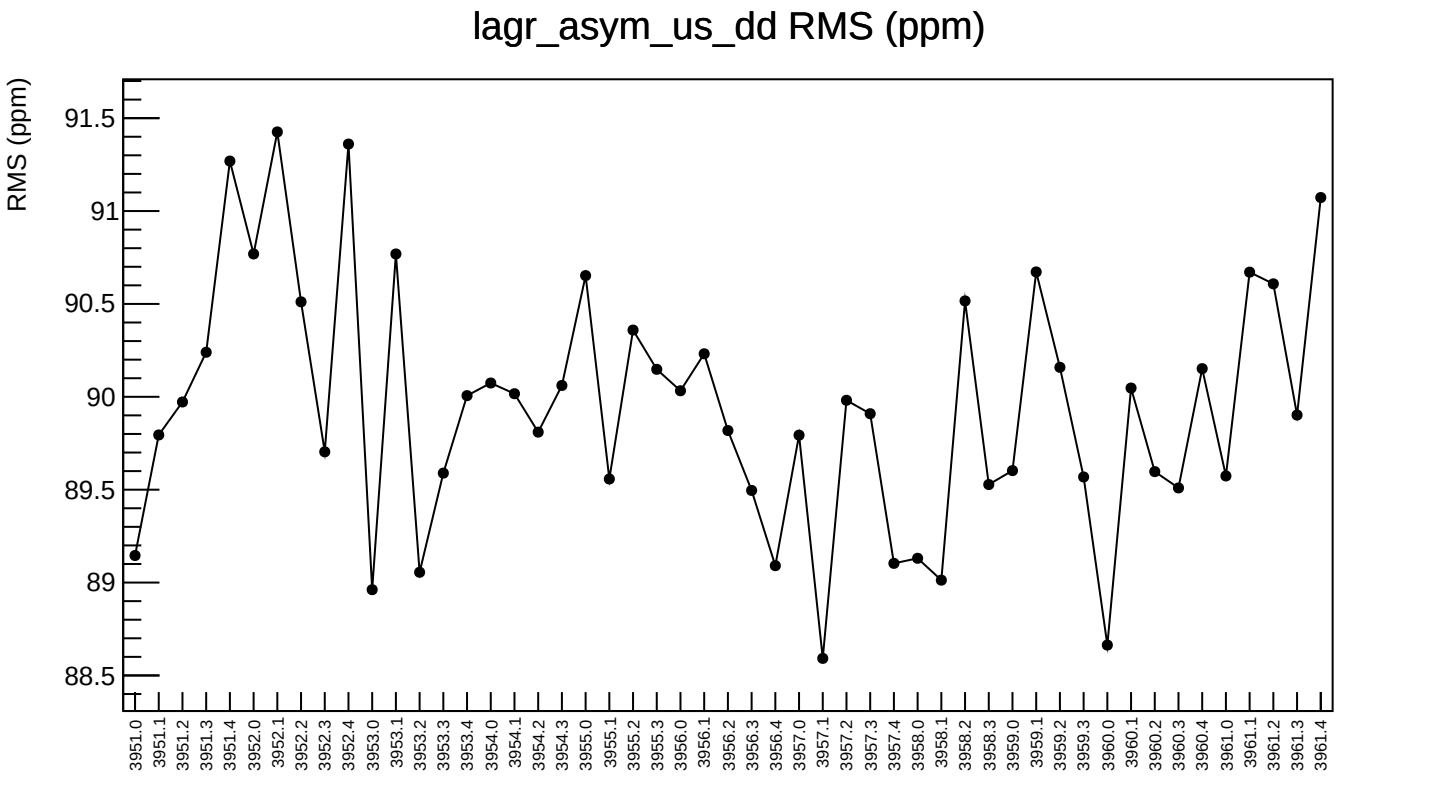

corr_Adet_evMon11 RMS (ppm)
RMS (ppm)
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

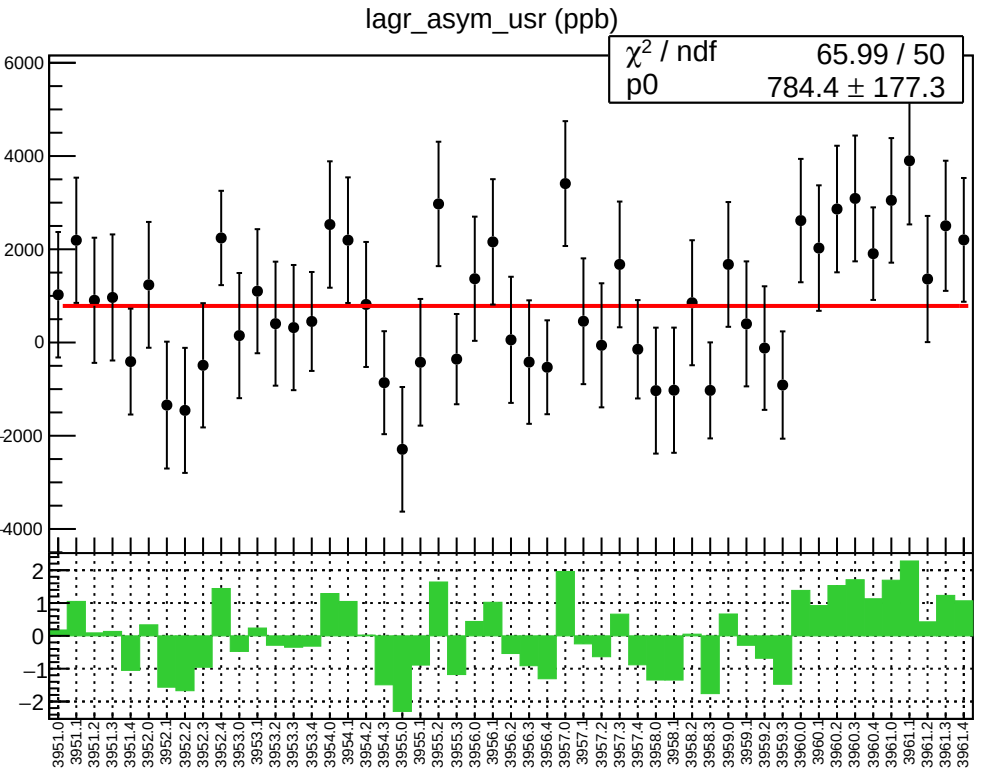

lagr_asym_us_avg (ppb)
χ² / ndf 41.92 / 50
p0 640.3 ± 127.6
1D pull distribution
Mean 0.008446 ± 0.1269
Std Dev 0.9066 ± 0.08976
Underflow 0
Overflow 0
χ² / ndf 6.562 / 6
Constant 11.77 ± 2.77
Mean 0.04379 ± 0.12344
Sigma 0.8061 ± 0.1505

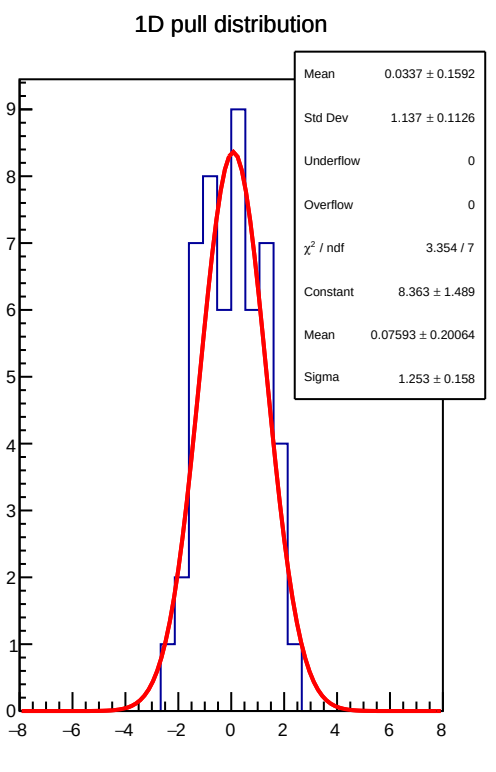

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
95
94
93
92
91
90
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

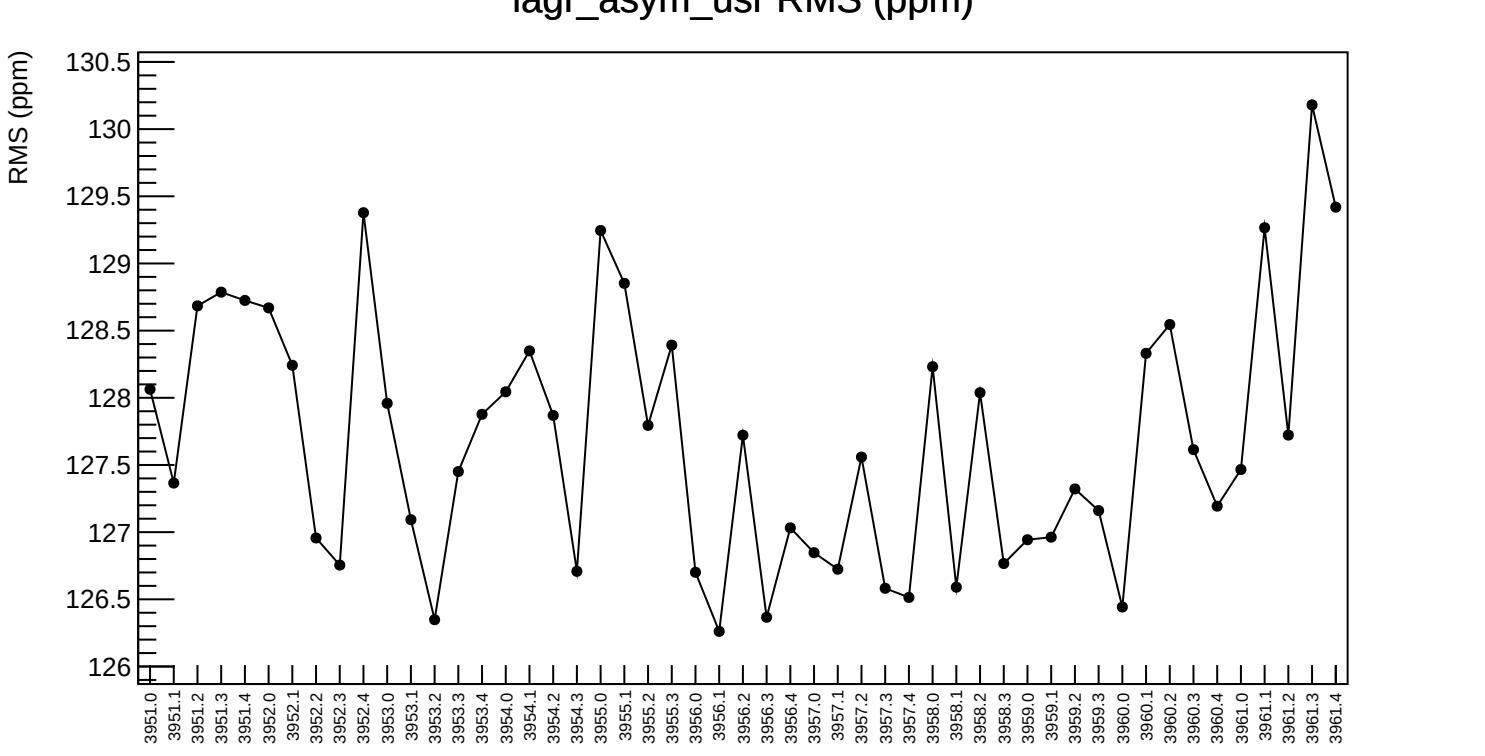

lagr_asym_us_dd (ppb)
χ² / ndf 81.09 / 50
p0 −144.1 ± 123.6
3000
2000
1000
0
-1000
-2000
-3000
-4000
2
1
0
−1
−2
−3
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

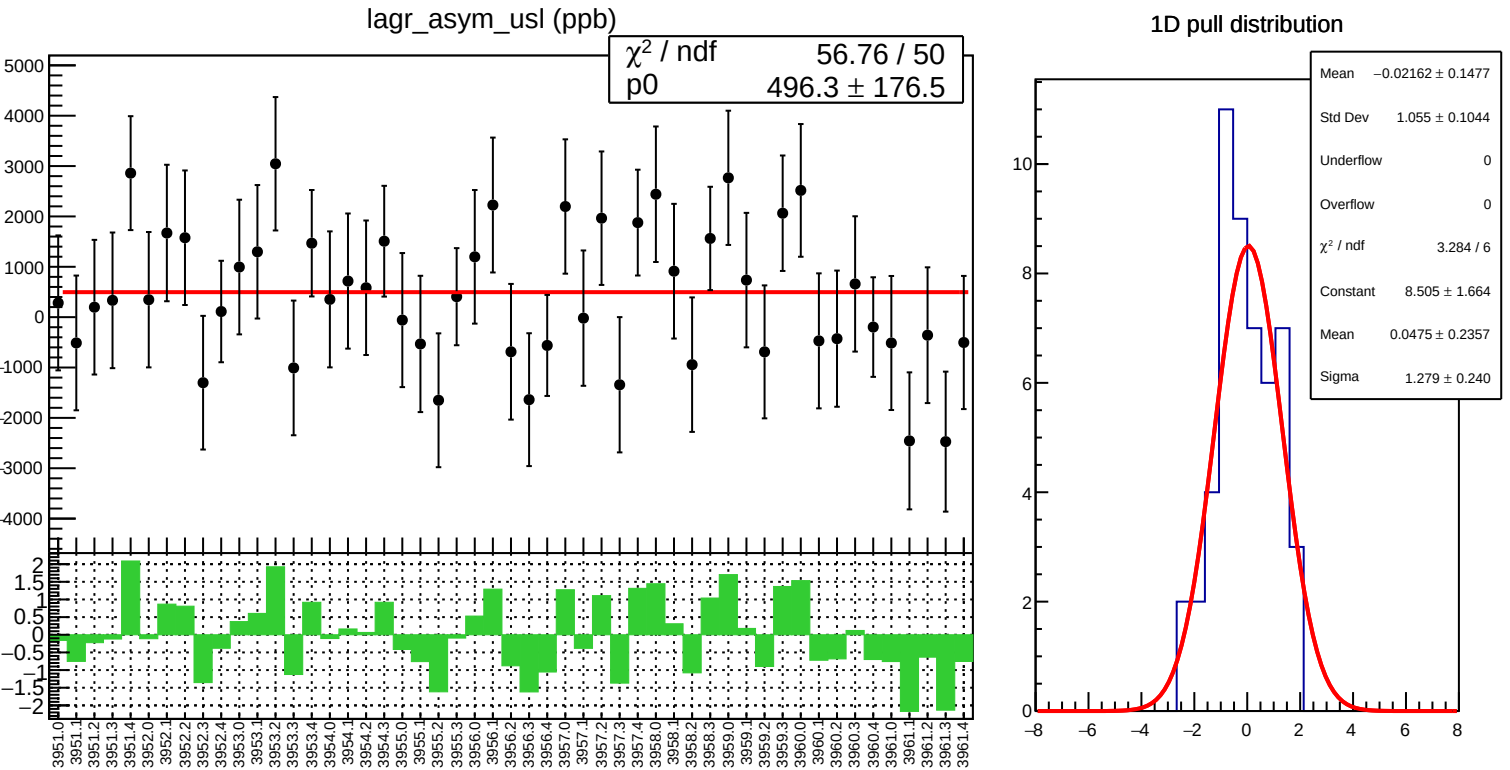

1D pull distribution
Mean −0.03961 ± 0.1765
Std Dev 1.26 ± 0.1248
Underflow 0
Overflow 0
χ² / ndf 8.663 / 8
Constant 7.332 ± 1.506
Mean 0.08836 ± 0.21369
Sigma 1.259 ± 0.200
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

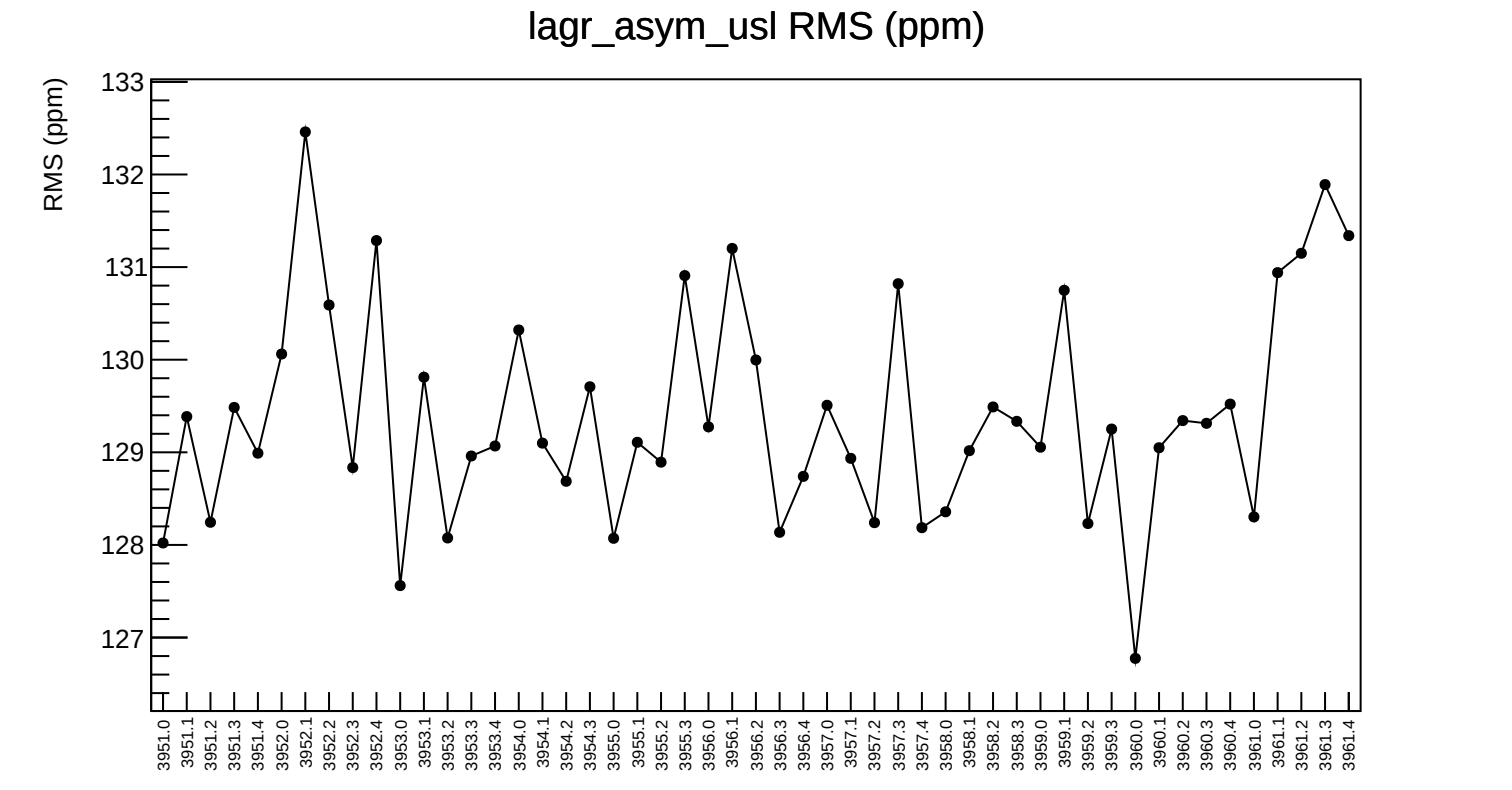

lagr_asym_us_dd RMS (ppm)
RMS (ppm)
91.5
91
90.5
90
89.5
89
88.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

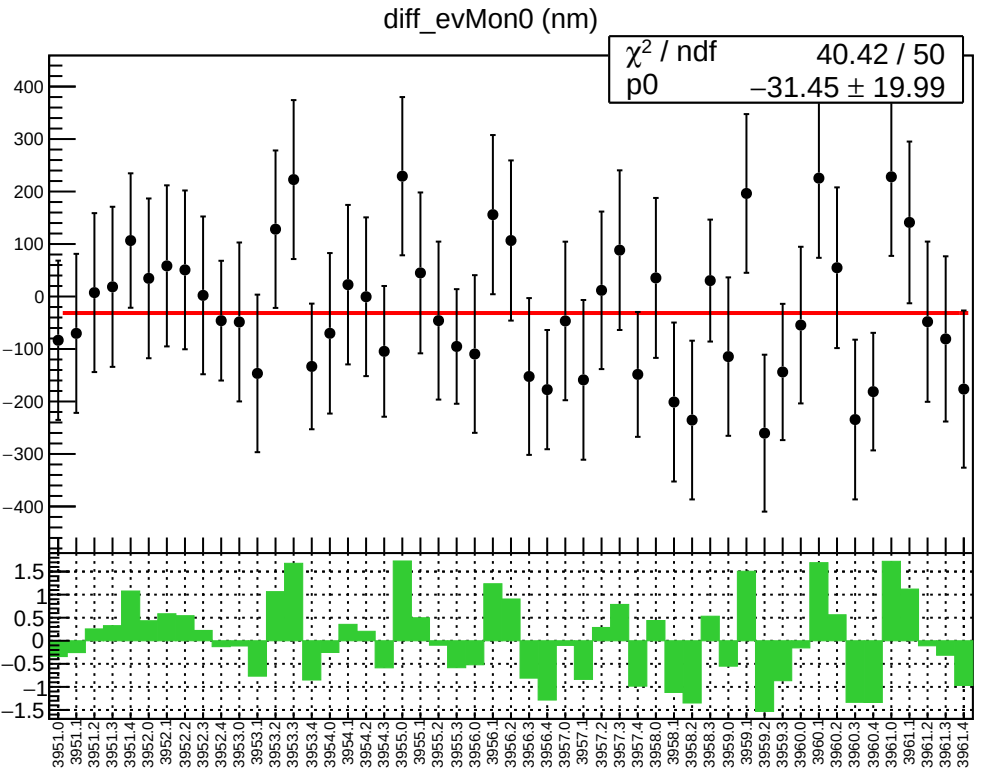

lagr_asym_usr (ppb)
χ² / ndf 65.99 / 50
p0 784.4 ± 177.3
6000
4000
2000
0
-2000
-4000
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

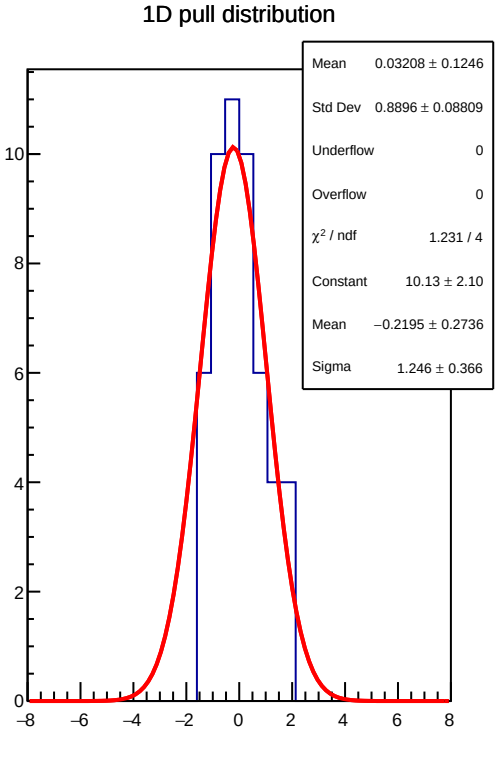

1D pull distribution
Mean 0.0337 ± 0.1592
Std Dev 1.137 ± 0.1126
Underflow 0
Overflow 0
χ² / ndf 3.354 / 7
Constant 8.363 ± 1.489
Mean 0.07593 ± 0.20064
Sigma 1.253 ± 0.158
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

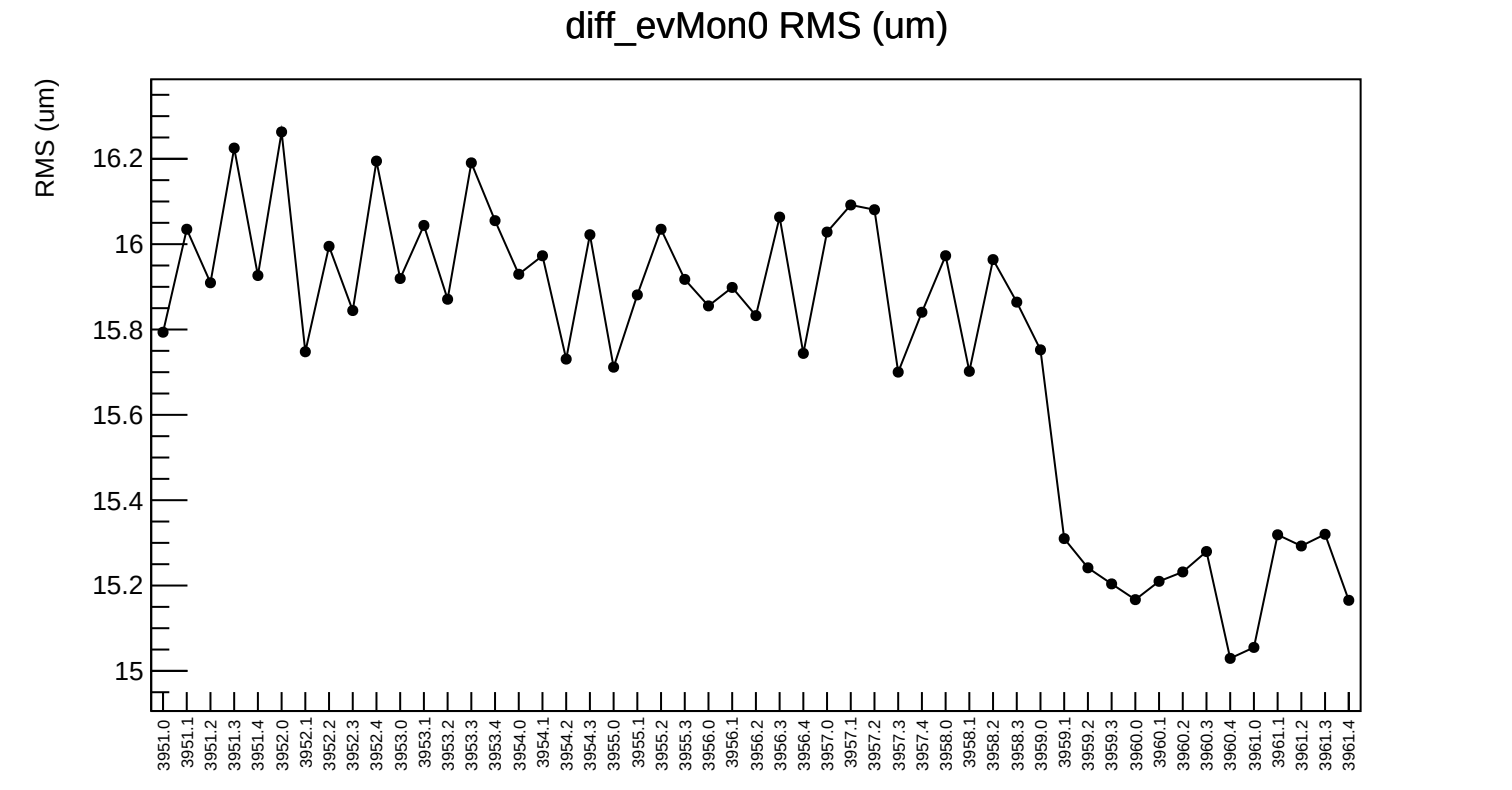

lagr_asym_usr RMS (ppm)
RMS (ppm)
130.5
130
129.5
129
128.5
128
127.5
127
126.5
126
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

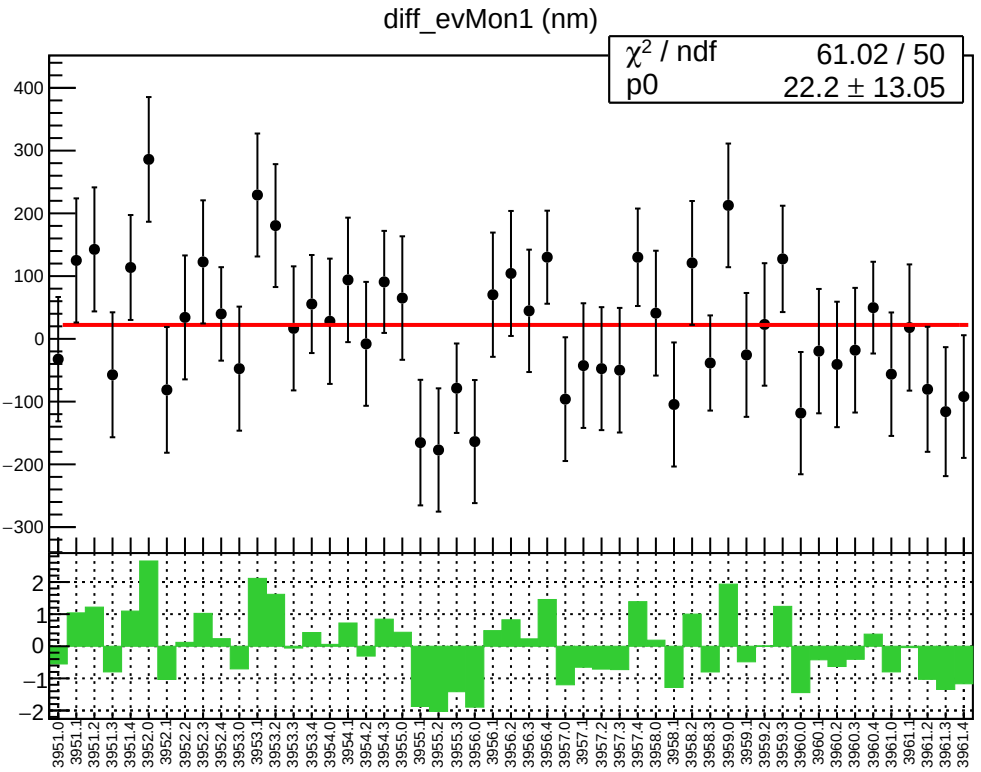

lagr_asym_usl (ppb)
χ² / ndf 56.76 / 50
p0 496.3 ± 176.5
5000
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
1D pull distribution
Mean −0.02162 ± 0.1477
Std Dev 1.055 ± 0.1044
Underflow 0
Overflow 0
χ² / ndf 3.284 / 6
Constant 8.505 ± 1.664
Mean 0.0475 ± 0.2357
Sigma 1.279 ± 0.240
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

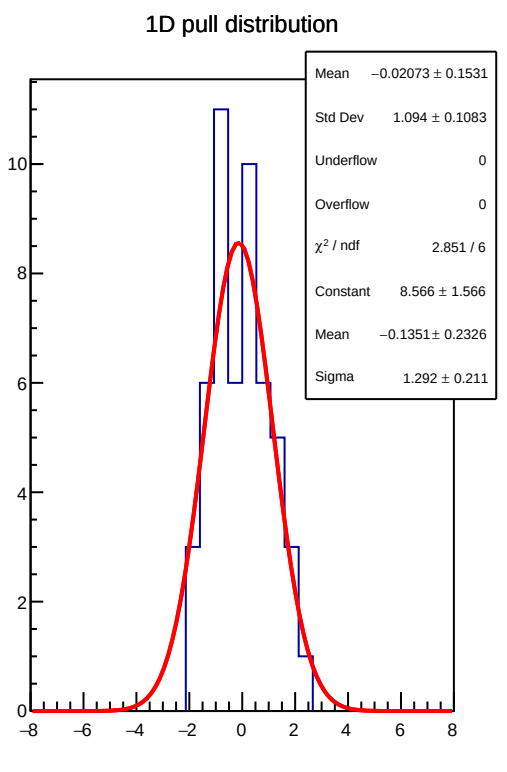

lagr_asym_usl RMS (ppm)
RMS (ppm)
133
132
131
130
129
128
127
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

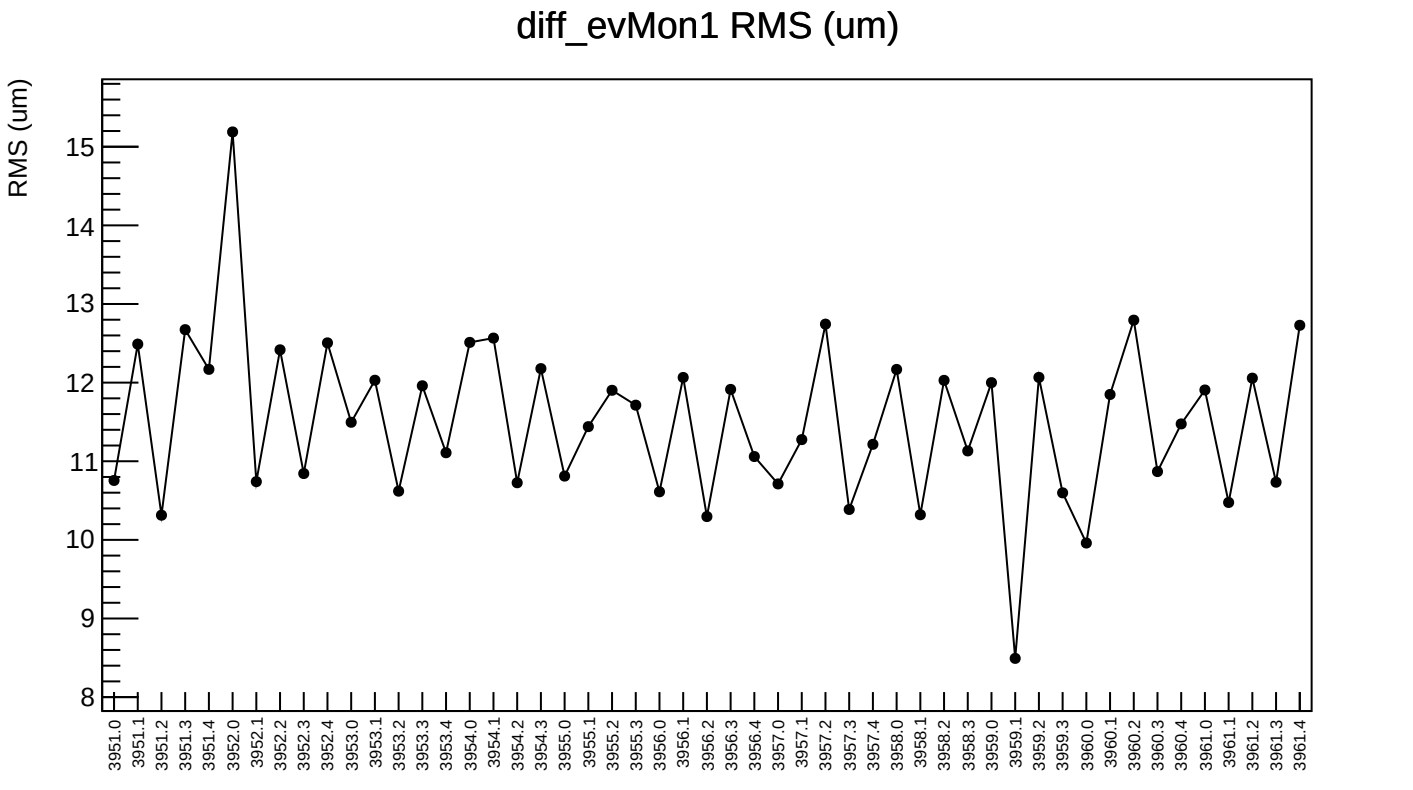

diff_evMon0 (nm)
χ² / ndf 40.42 / 50
p0 −31.45 ± 19.99
400
300
200
100
0
−100
−200
−300
−400
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

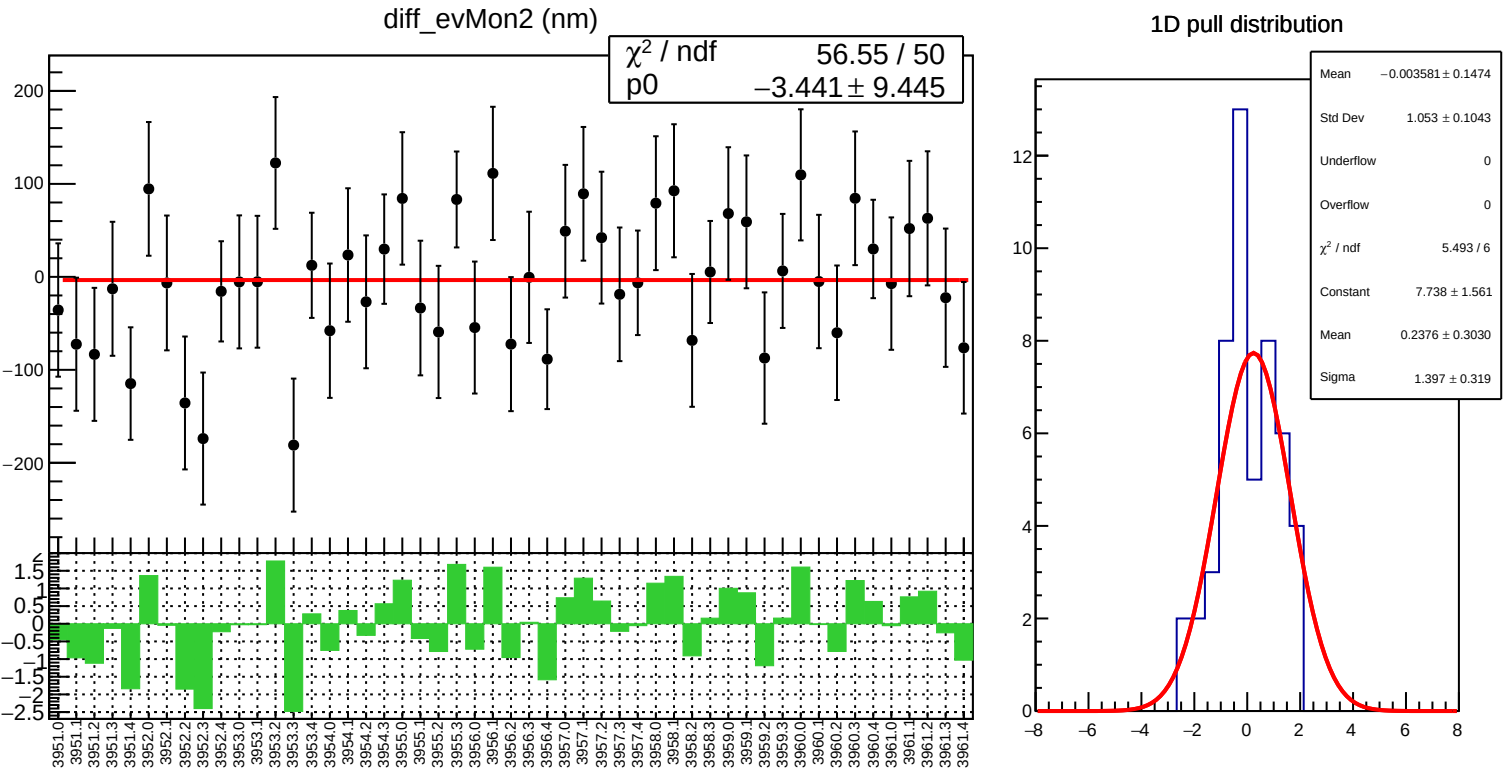

1D pull distribution
Mean 0.03208 ± 0.1246
Std Dev 0.8896 ± 0.08809
Underflow 0
Overflow 0
χ² / ndf 1.231 / 4
Constant 10.13 ± 2.10
Mean −0.2195 ± 0.2736
Sigma 1.246 ± 0.366
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

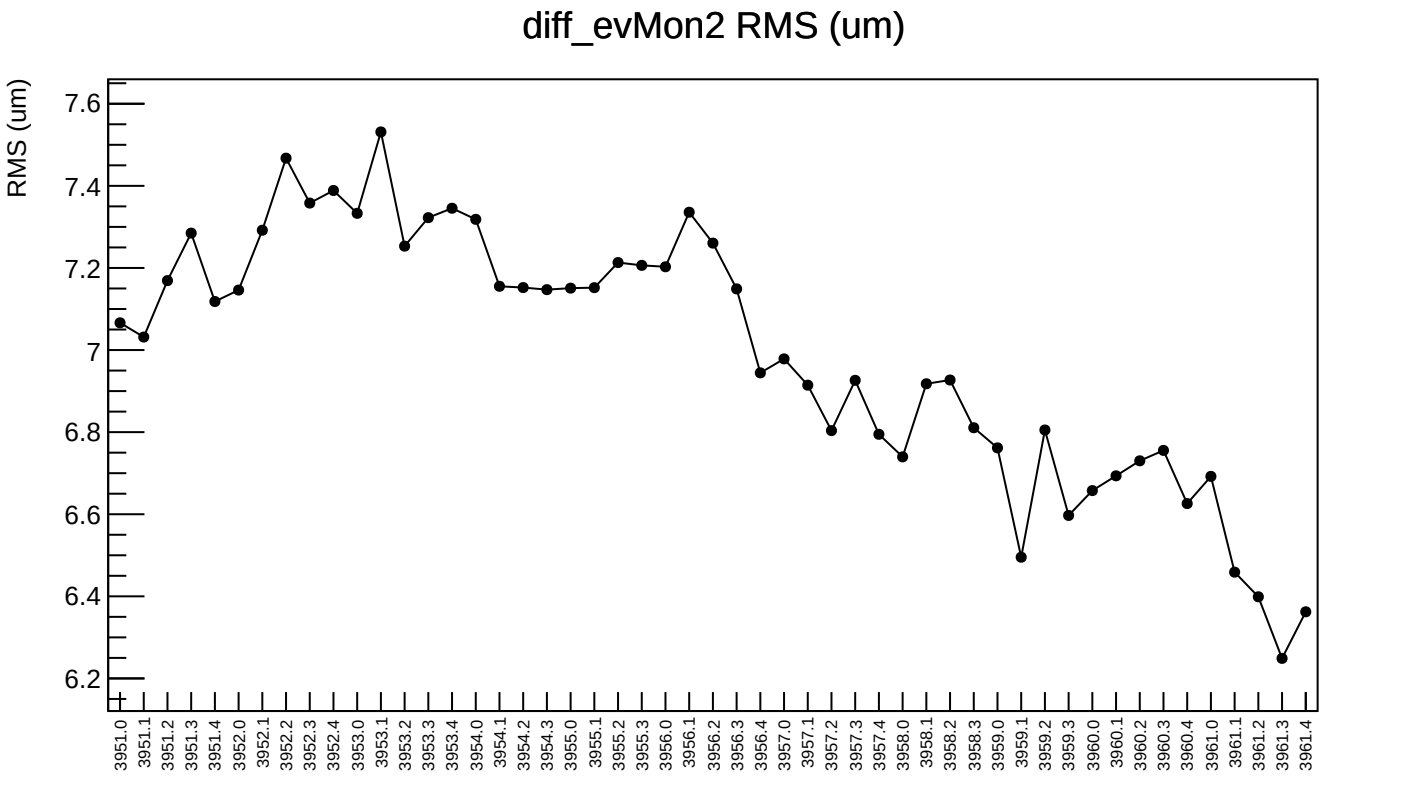

diff_evMon0 RMS (um)
RMS (um)
16.2
16
15.8
15.6
15.4
15.2
15
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

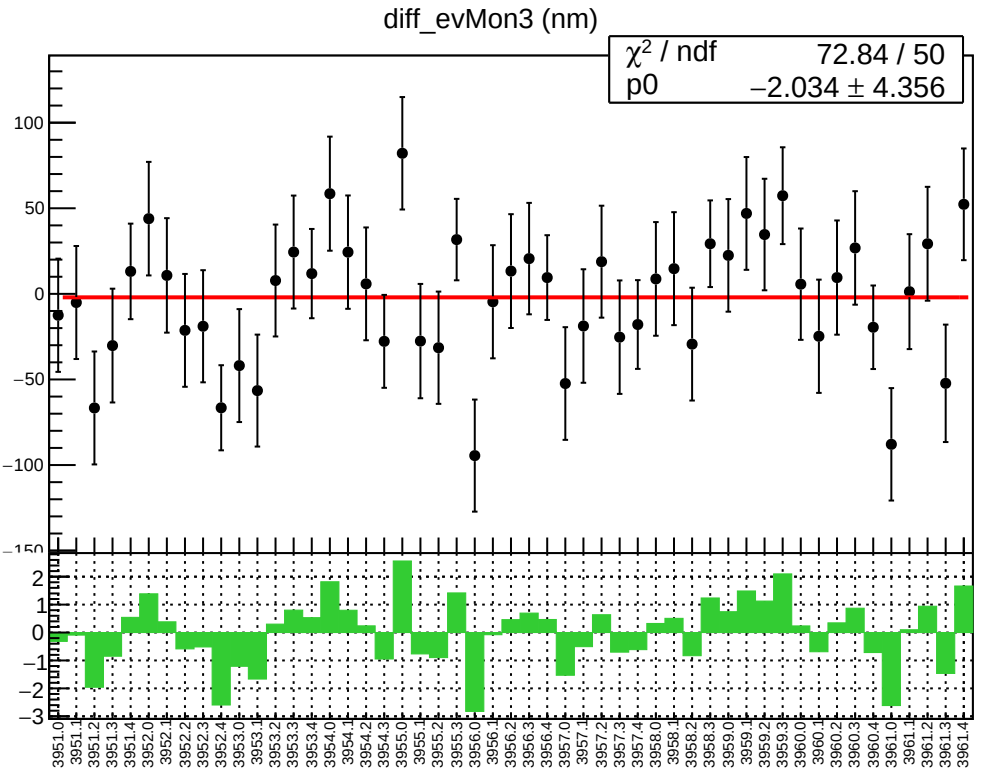

diff_evMon1 (nm)
χ² / ndf 61.02 / 50
p0 22.2 ± 13.05
400
300
200
100
0
−100
−200
−300
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

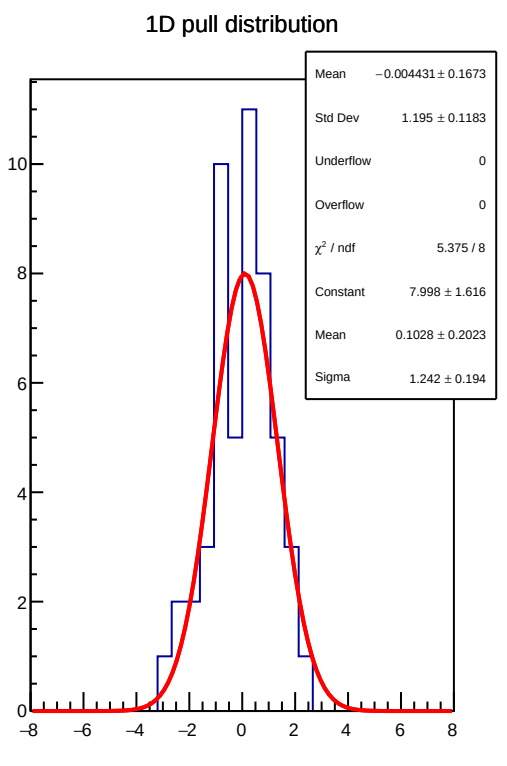

1D pull distribution
Mean −0.02073 ± 0.1531
Std Dev 1.094 ± 0.1083
Underflow 0
Overflow 0
χ² / ndf 2.851 / 6
Constant 8.566 ± 1.566
Mean −0.1351± 0.2326
Sigma 1.292 ± 0.211
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

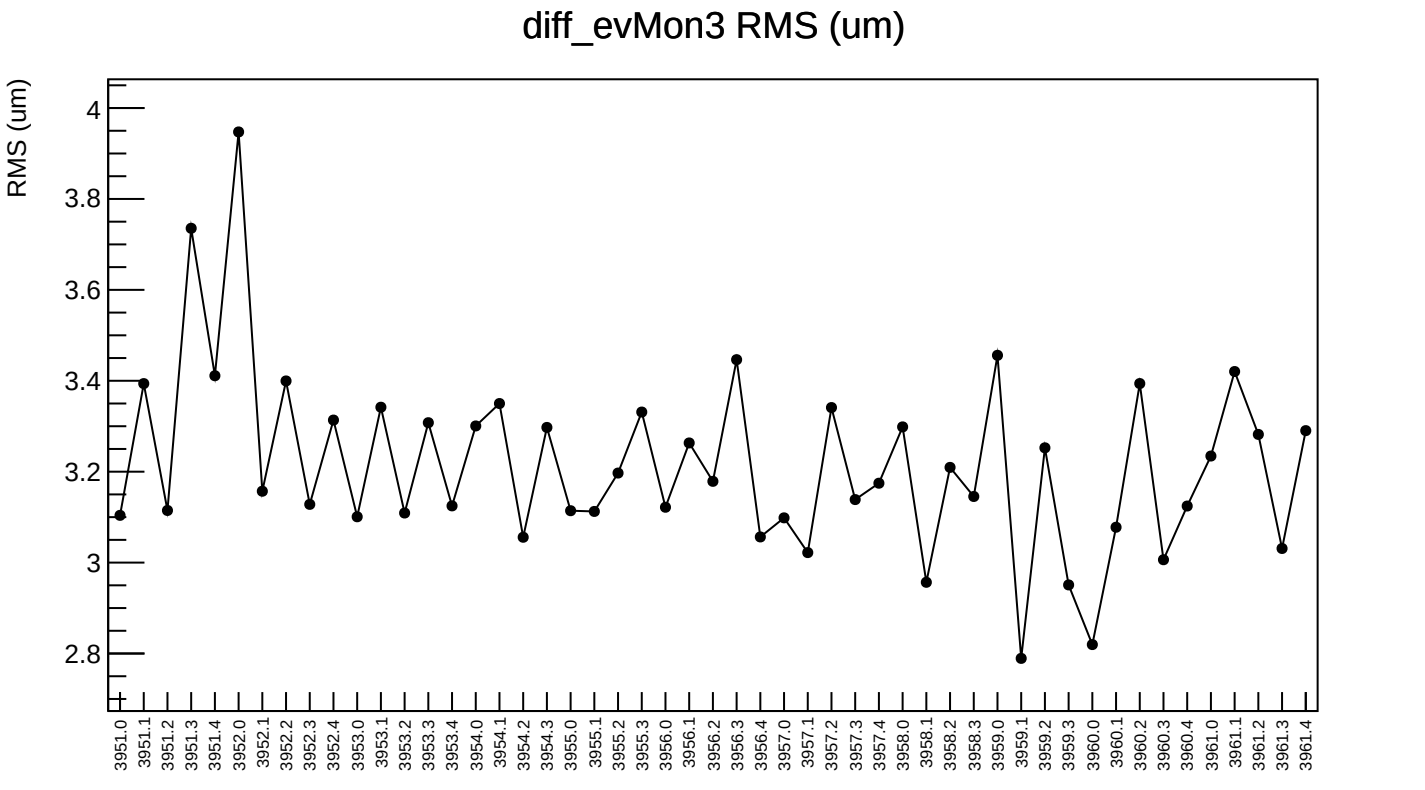

diff_evMon1 RMS (um)
RMS (um)
15
14
13
12
11
10
9
8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

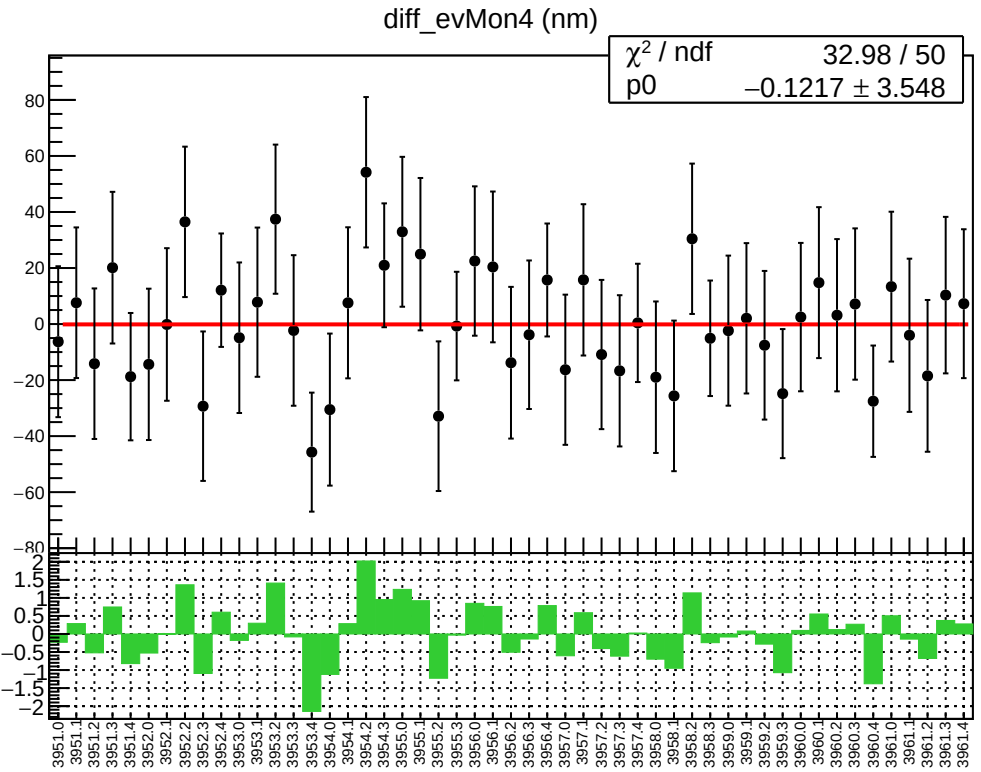

diff_evMon2 (nm)
χ² / ndf 56.55 / 50
p0 −3.441 ± 9.445
200
100
0
−100
−200
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
1D pull distribution
Mean −0.003581 ± 0.1474
Std Dev 1.053 ± 0.1043
Underflow 0
Overflow 0
χ² / ndf 5.493 / 6
Constant 7.738 ± 1.561
Mean 0.2376 ± 0.3030
Sigma 1.397 ± 0.319
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

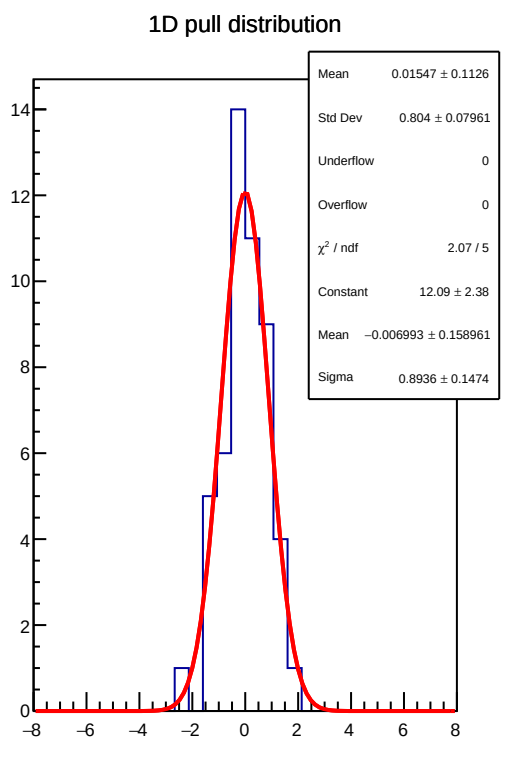

diff_evMon2 RMS (um)
RMS (um)
7.6
7.4
7.2
7
6.8
6.6
6.4
6.2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

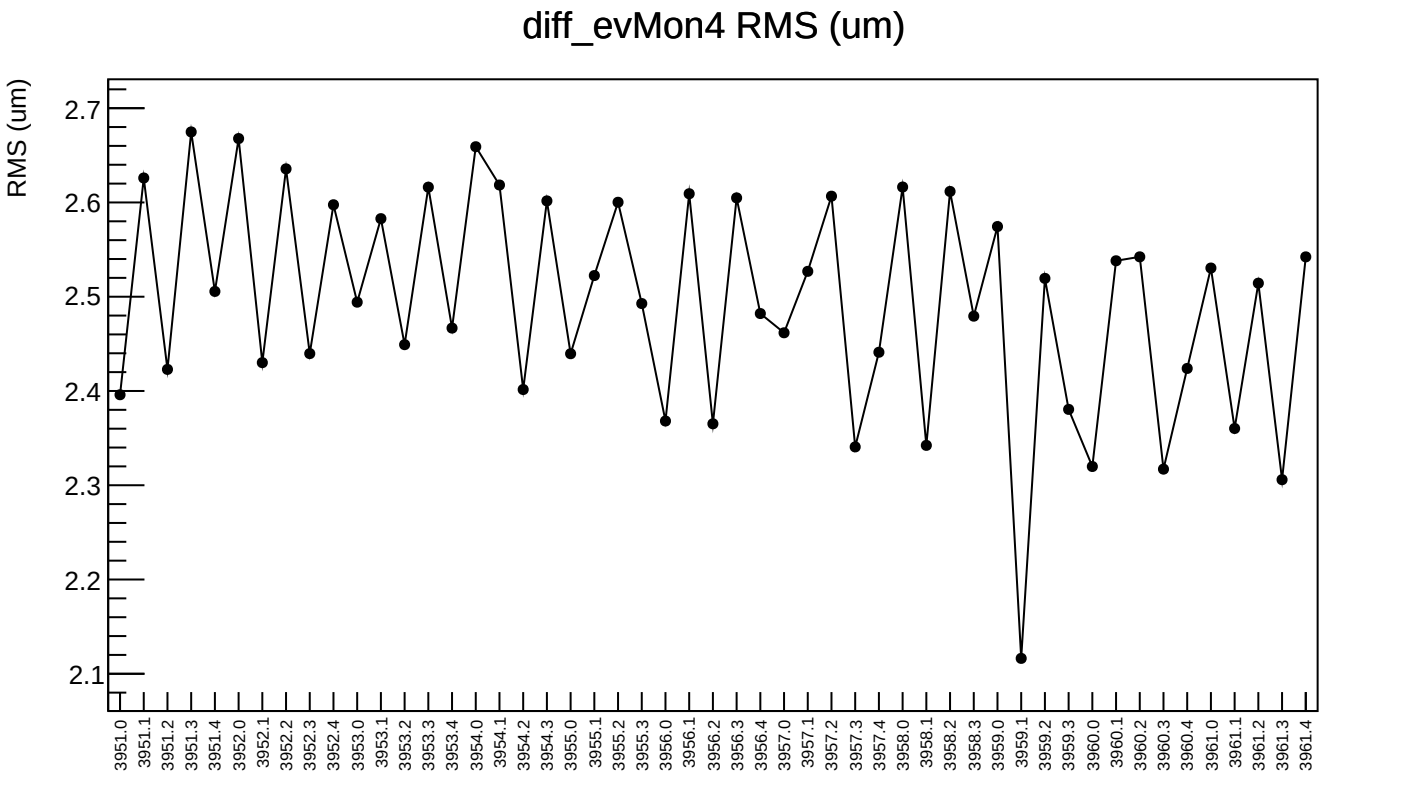

diff_evMon3 (nm)
χ² / ndf 72.84 / 50
p0 −2.034 ± 4.356
100
50
0
−50
−100
−150
pull
2
1
0
−1
−2
−3
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

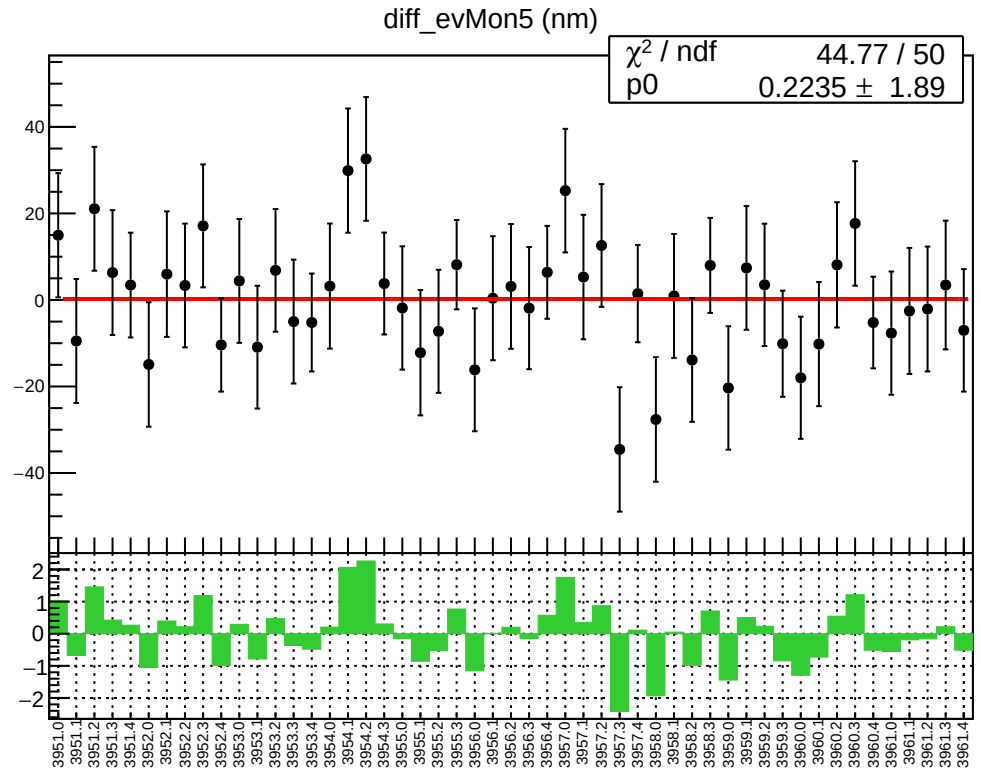

1D pull distribution
Mean −0.004431 ± 0.1673
Std Dev 1.195 ± 0.1183
Underflow 0
Overflow 0
χ² / ndf 5.375 / 8
Constant 7.998 ± 1.616
Mean 0.1028 ± 0.2023
Sigma 1.242 ± 0.194
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

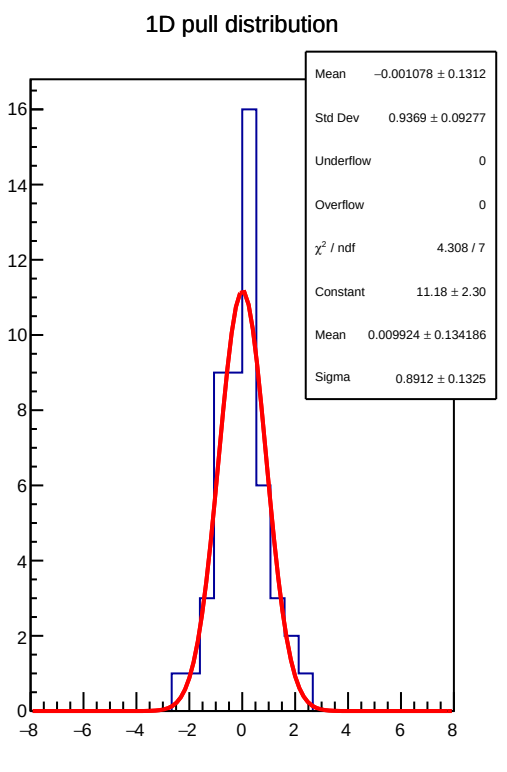

diff_evMon3 RMS (um)
RMS (um)
4
3.8
3.6
3.4
3.2
3
2.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

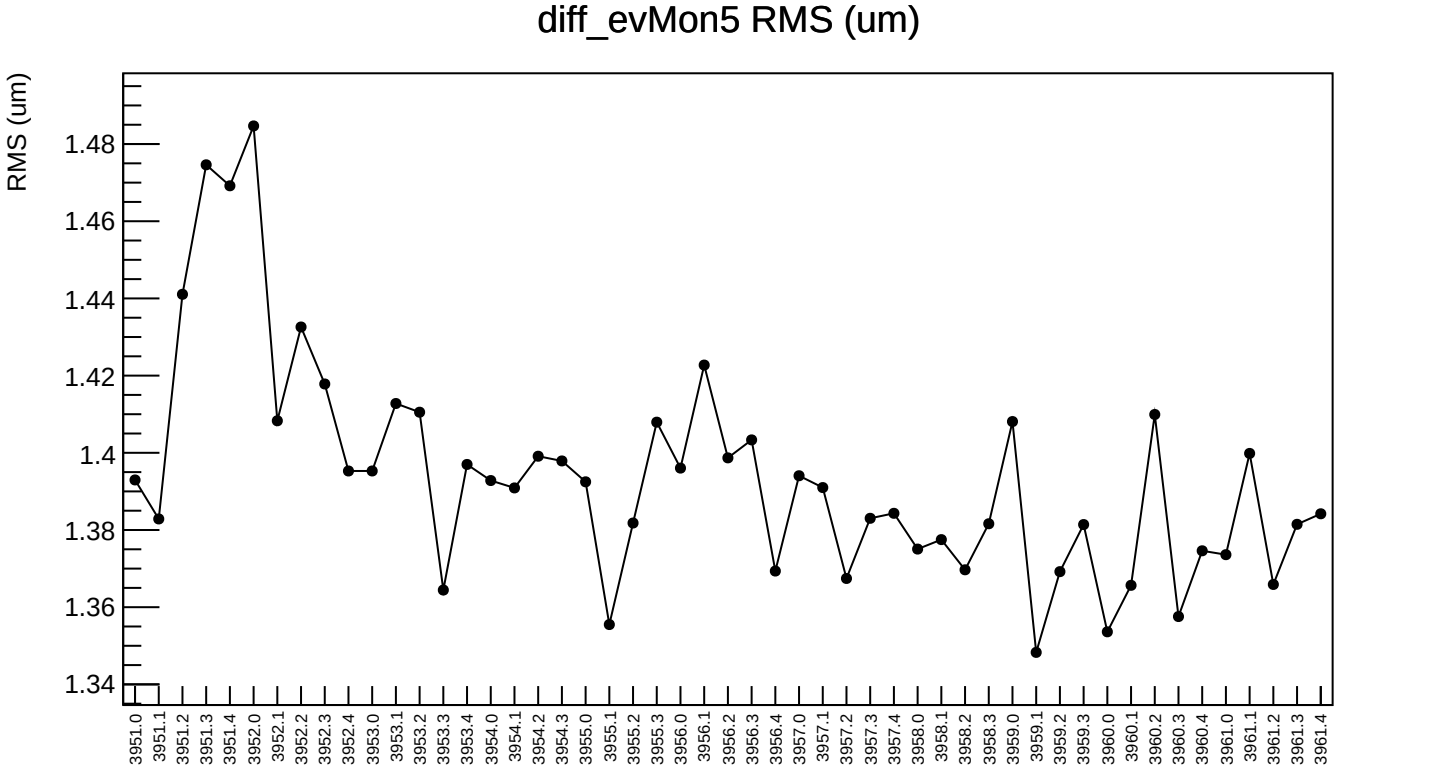

diff_evMon4 (nm)
χ² / ndf 32.98 / 50
p0 −0.1217 ± 3.548

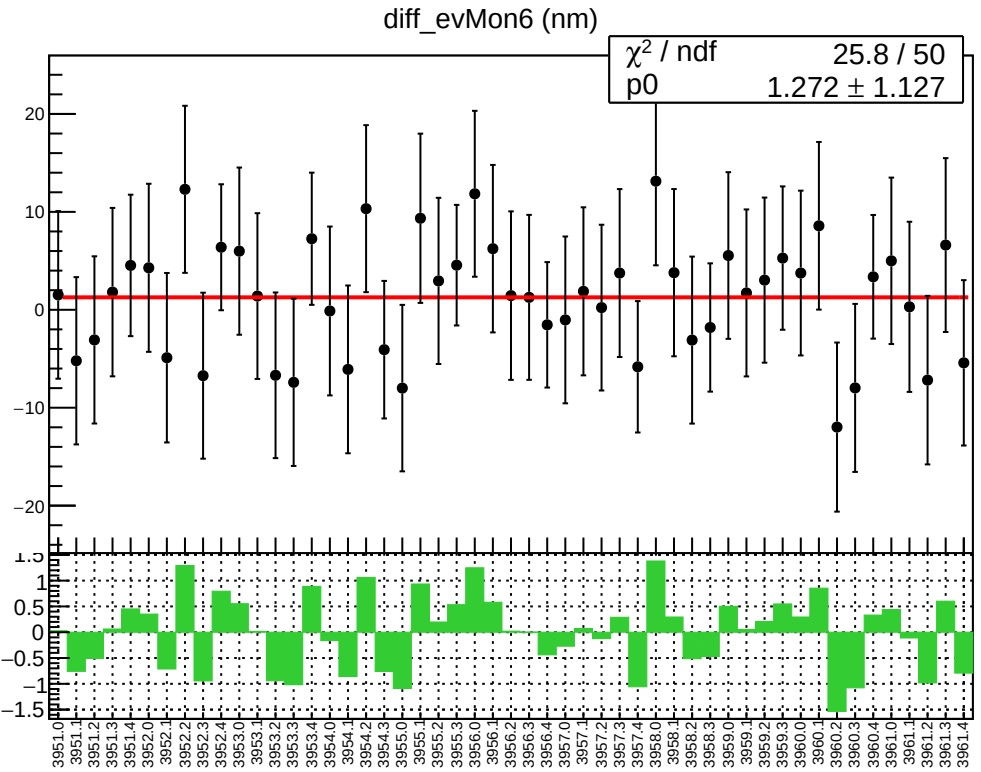

1D pull distribution
Mean 0.01547 ± 0.1126
Std Dev 0.804 ± 0.07961
Underflow 0
Overflow 0
χ² / ndf 2.07 / 5
Constant 12.09 ± 2.38
Mean −0.006993 ± 0.158961
Sigma 0.8936 ± 0.1474

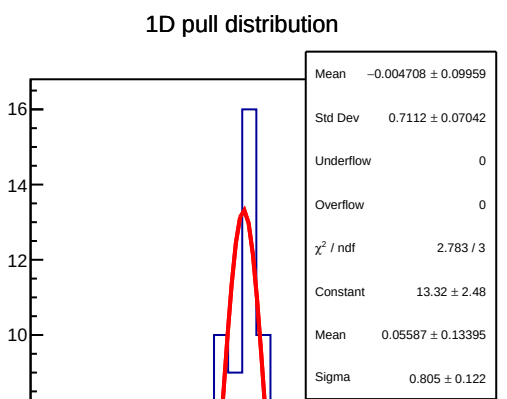

diff_evMon4 RMS (um)
RMS (um)
2.7
2.6
2.5
2.4
2.3
2.2
2.1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

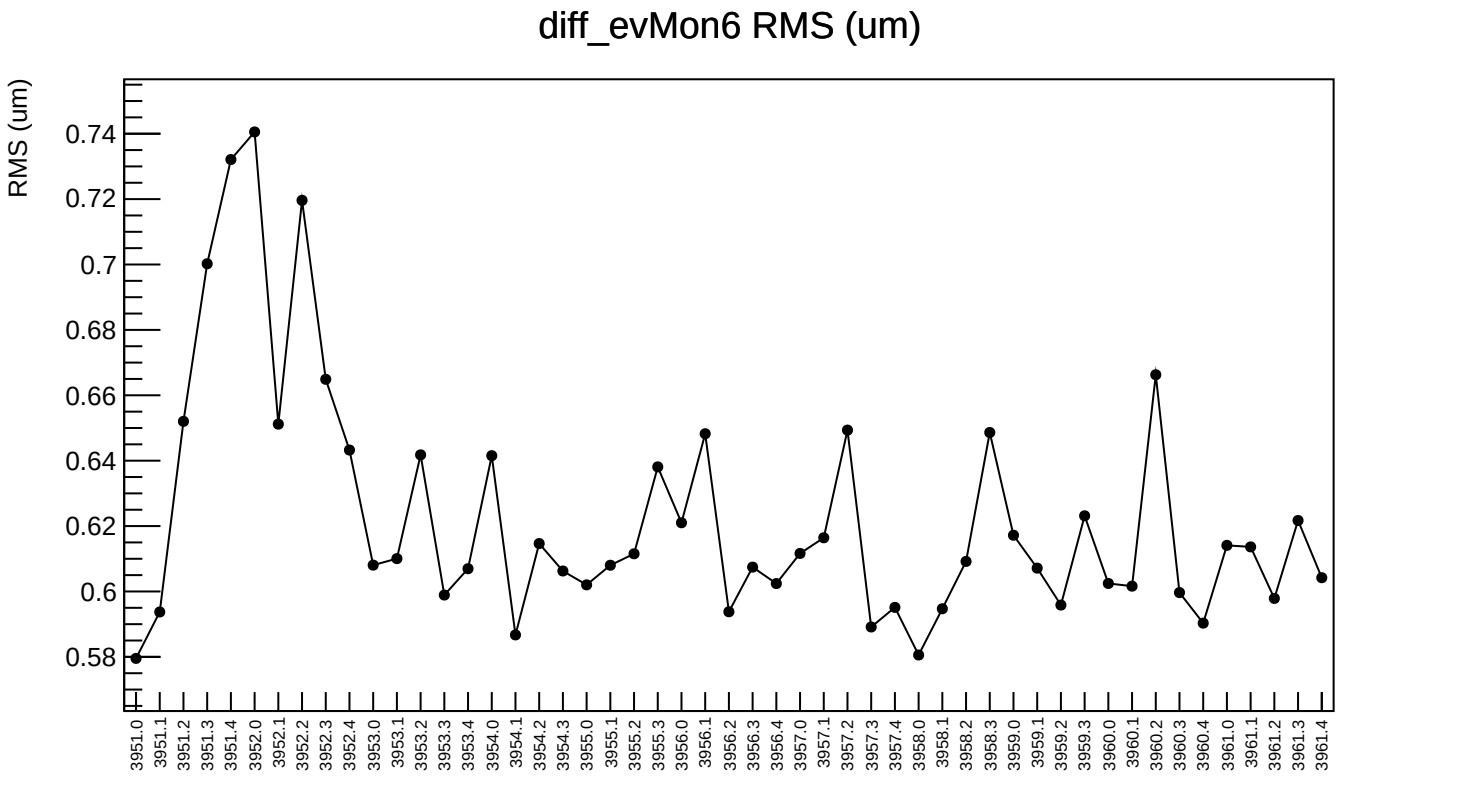

diff_evMon5 (nm)
χ² / ndf 44.77 / 50
p0 0.2235 ± 1.89

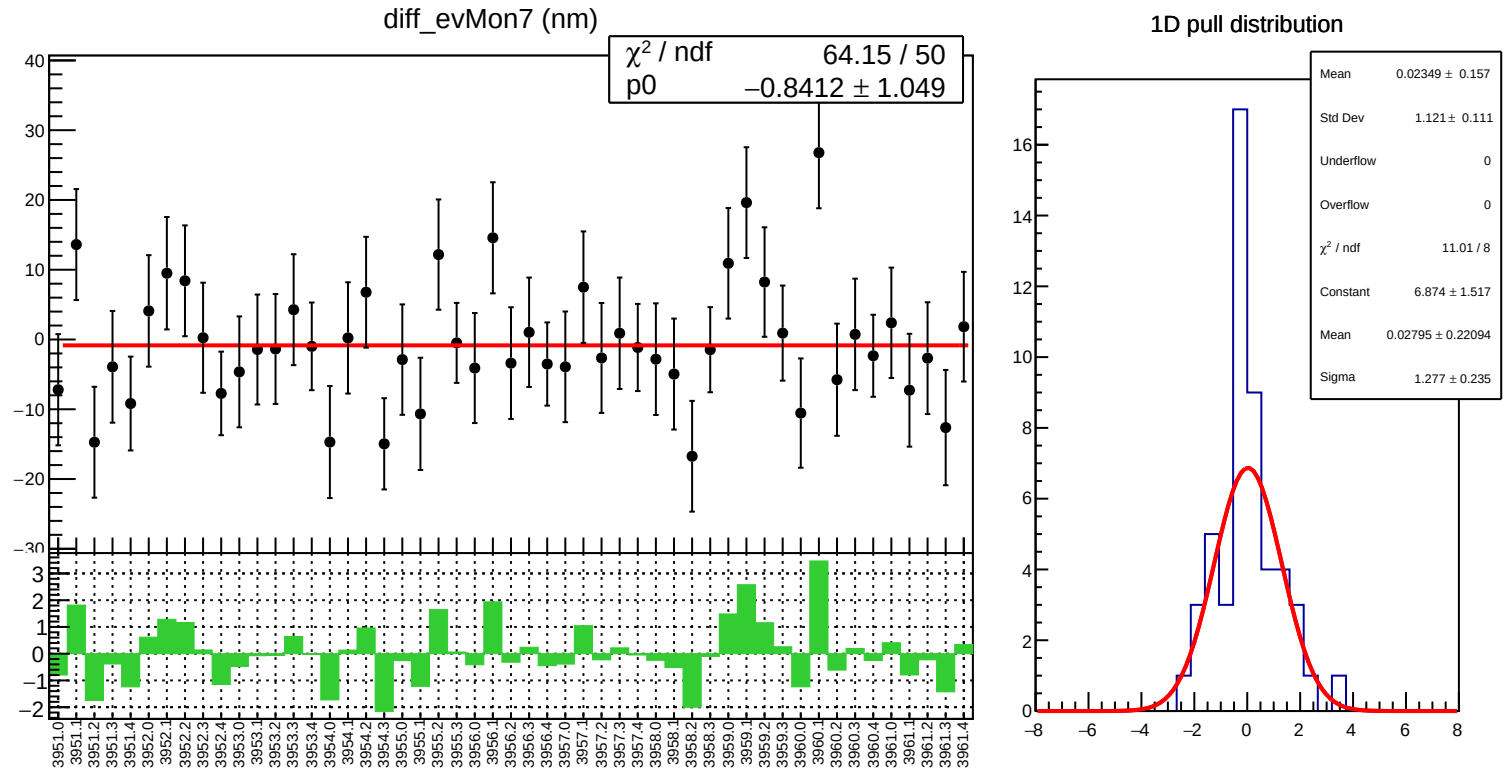

1D pull distribution
Mean −0.001078 ± 0.1312
Std Dev 0.9369 ± 0.09277
Underflow 0
Overflow 0
χ² / ndf 4.308 / 7
Constant 11.18 ± 2.30
Mean 0.009924 ± 0.134186
Sigma 0.8912 ± 0.1325

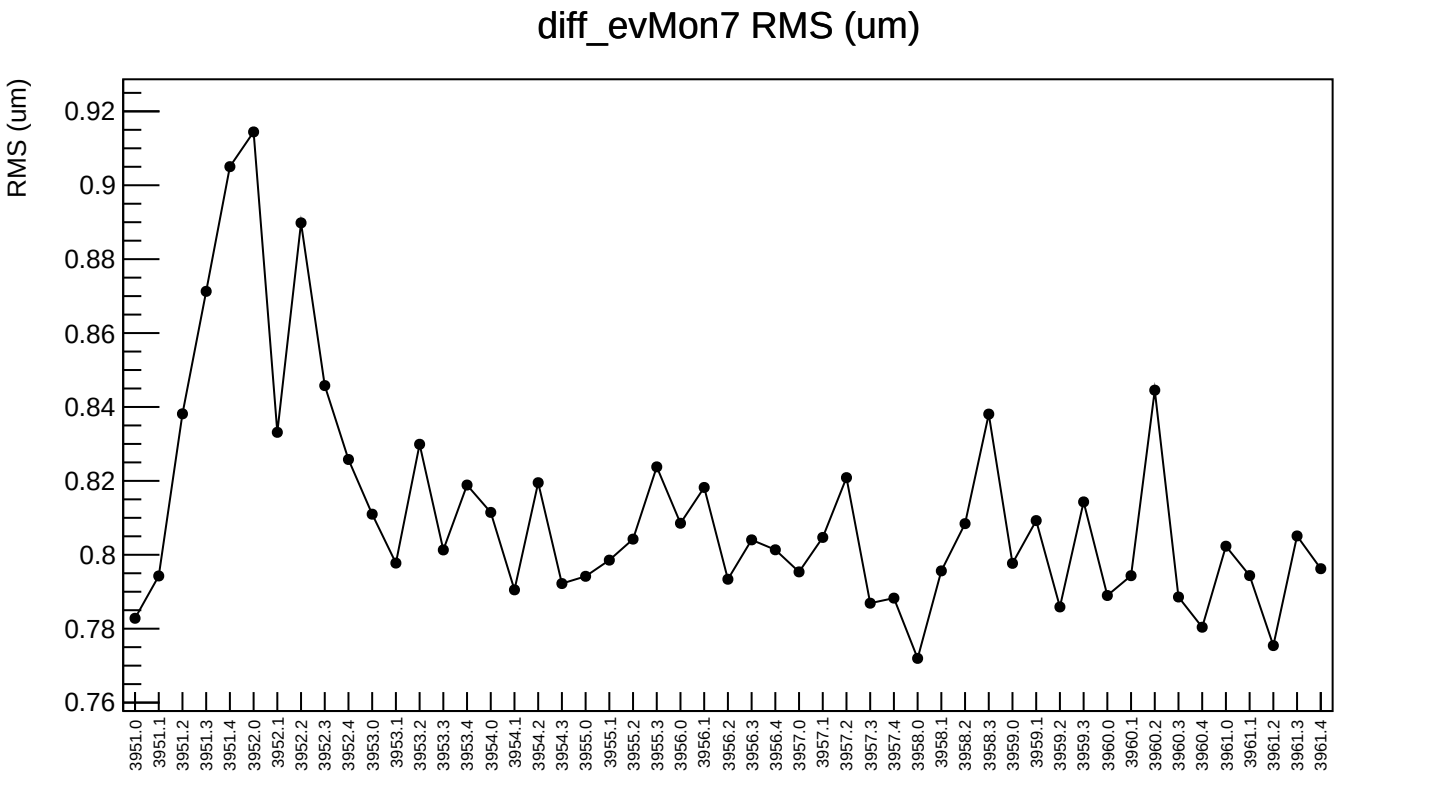

diff_evMon5 RMS (um)
RMS (um)
1.48
1.46
1.44
1.42
1.4
1.38
1.36
1.34
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

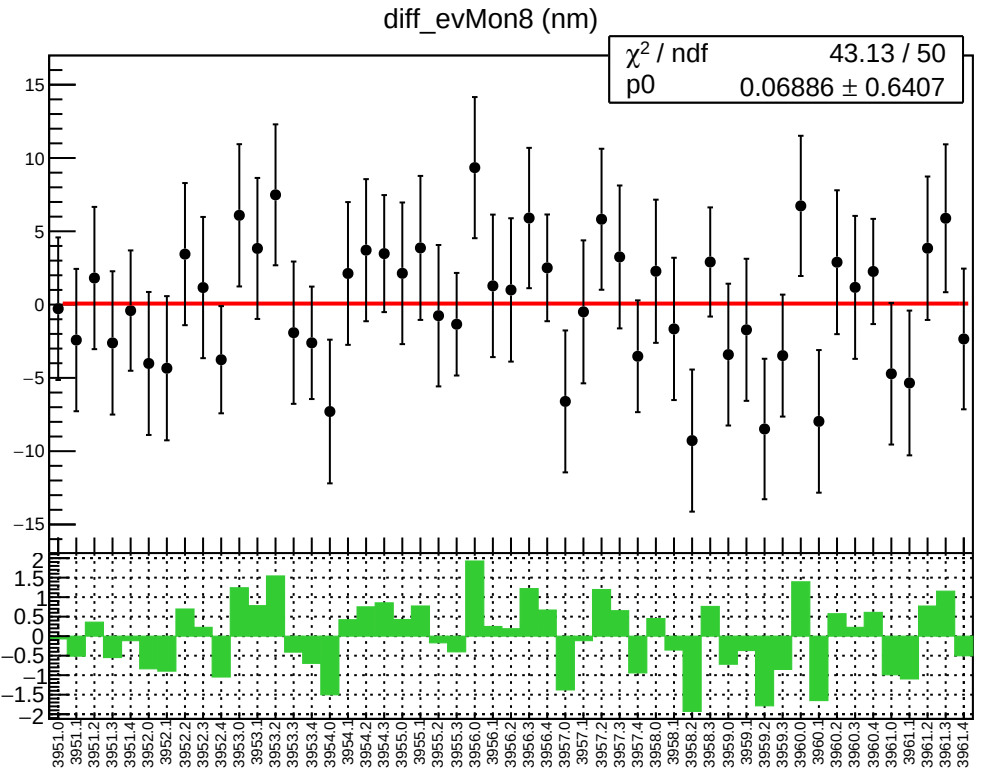

diff_evMon6 (nm)
χ² / ndf 25.8 / 50
p0 1.272 ± 1.127

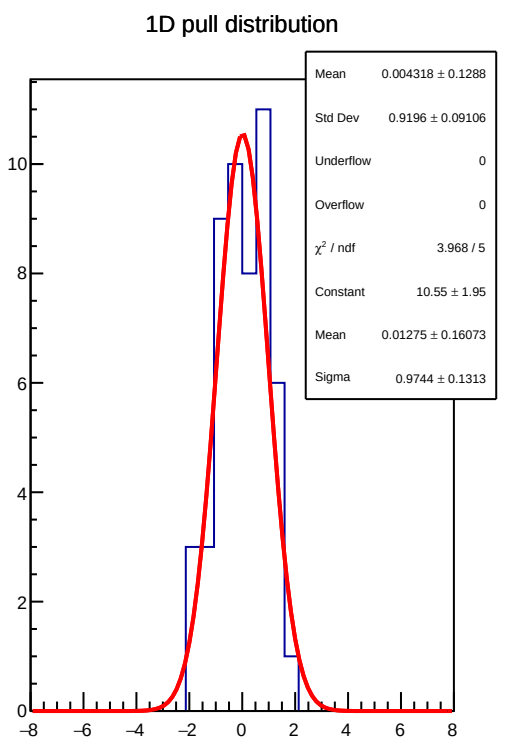

1D pull distribution
Mean −0.004708 ± 0.09959
Std Dev 0.7112 ± 0.07042
Underflow 0
Overflow 0
χ² / ndf 2.783 / 3
Constant 13.32 ± 2.48
Mean 0.05587 ± 0.13395
Sigma 0.805 ± 0.122

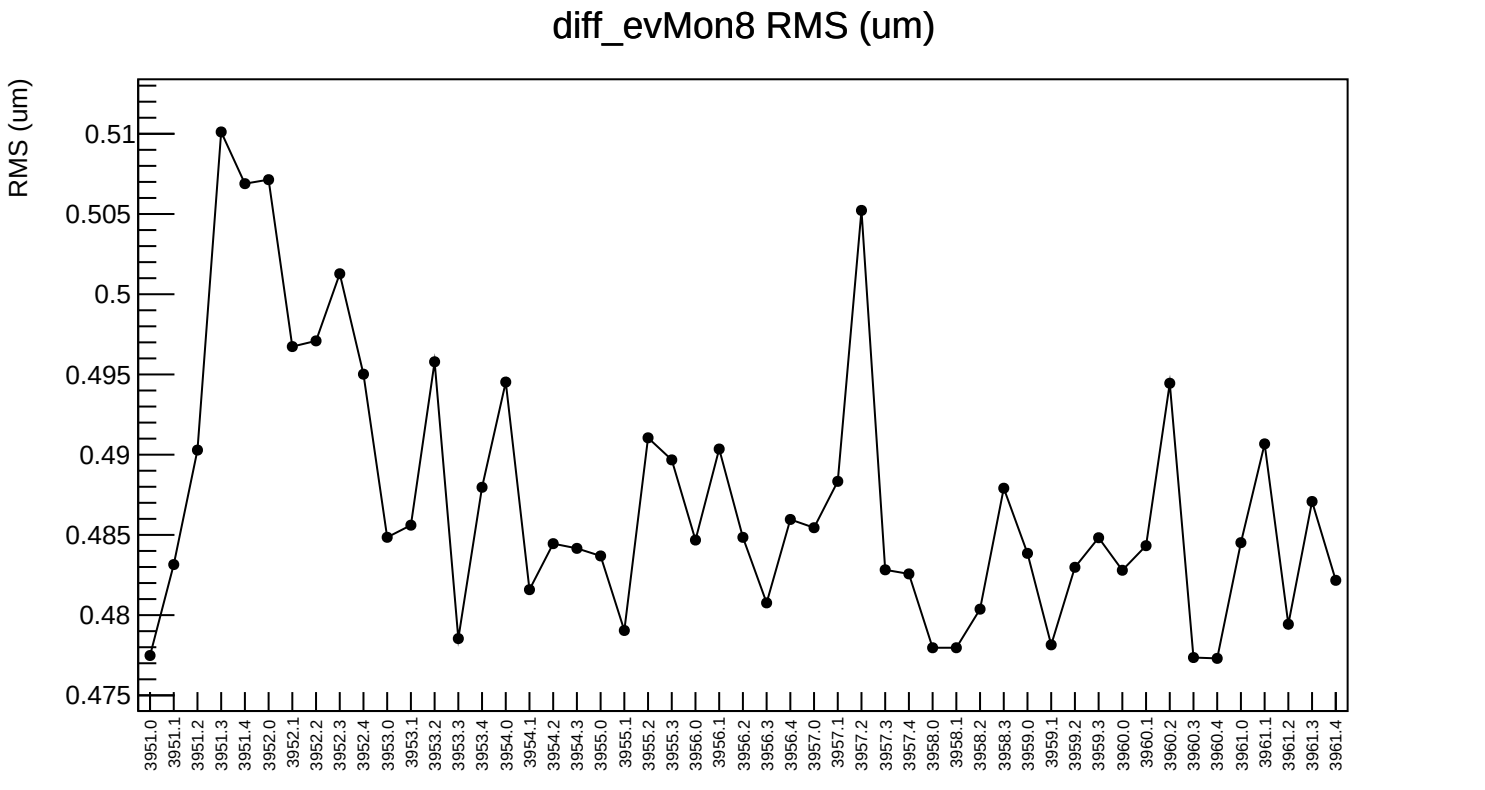

diff_evMon6 RMS (um)
RMS (um)
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

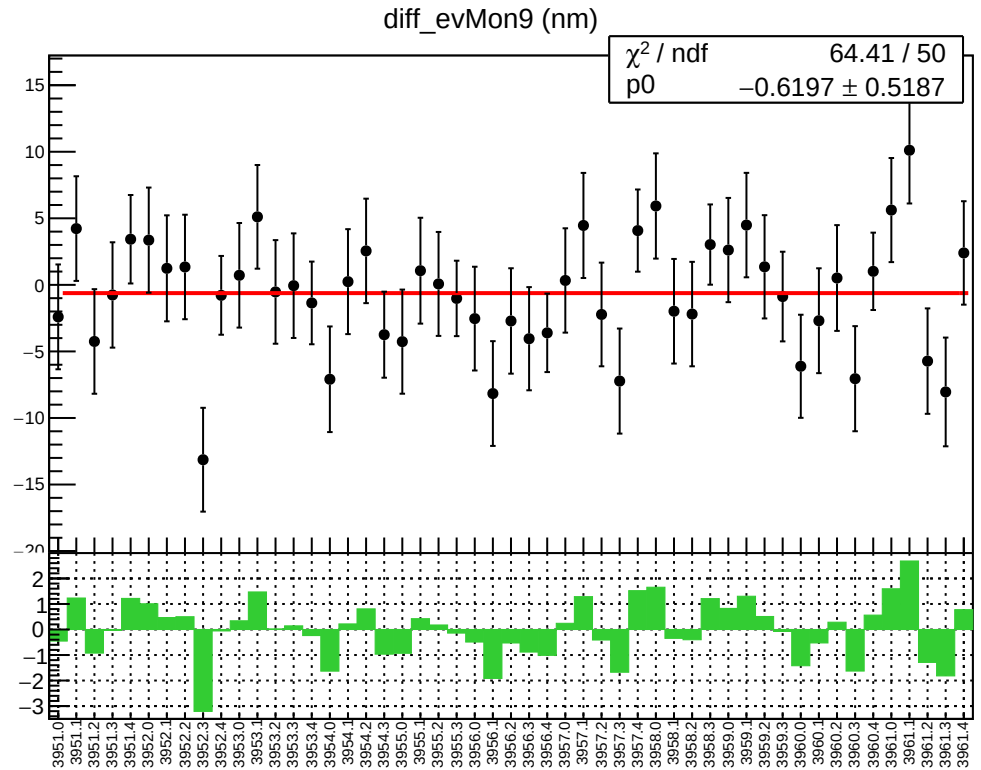

diff_evMon7 (nm)
χ² / ndf 64.15 / 50
p0 −0.8412 ± 1.049
1D pull distribution
Mean 0.02349 ± 0.157
Std Dev 1.121 ± 0.111
Underflow 0
Overflow 0
χ² / ndf 11.01 / 8
Constant 6.874 ± 1.517
Mean 0.02795 ± 0.22094
Sigma 1.277 ± 0.235

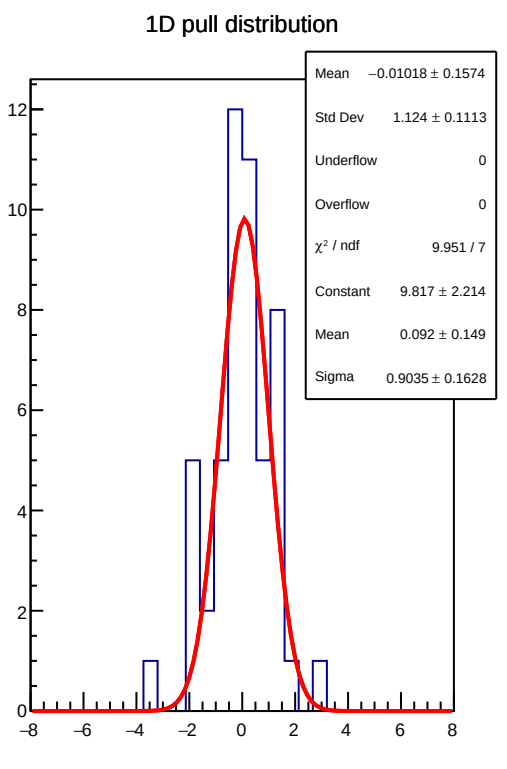

diff_evMon7 RMS (um)
RMS (um)
0.92
0.9
0.88
0.86
0.84
0.82
0.8
0.78
0.76
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

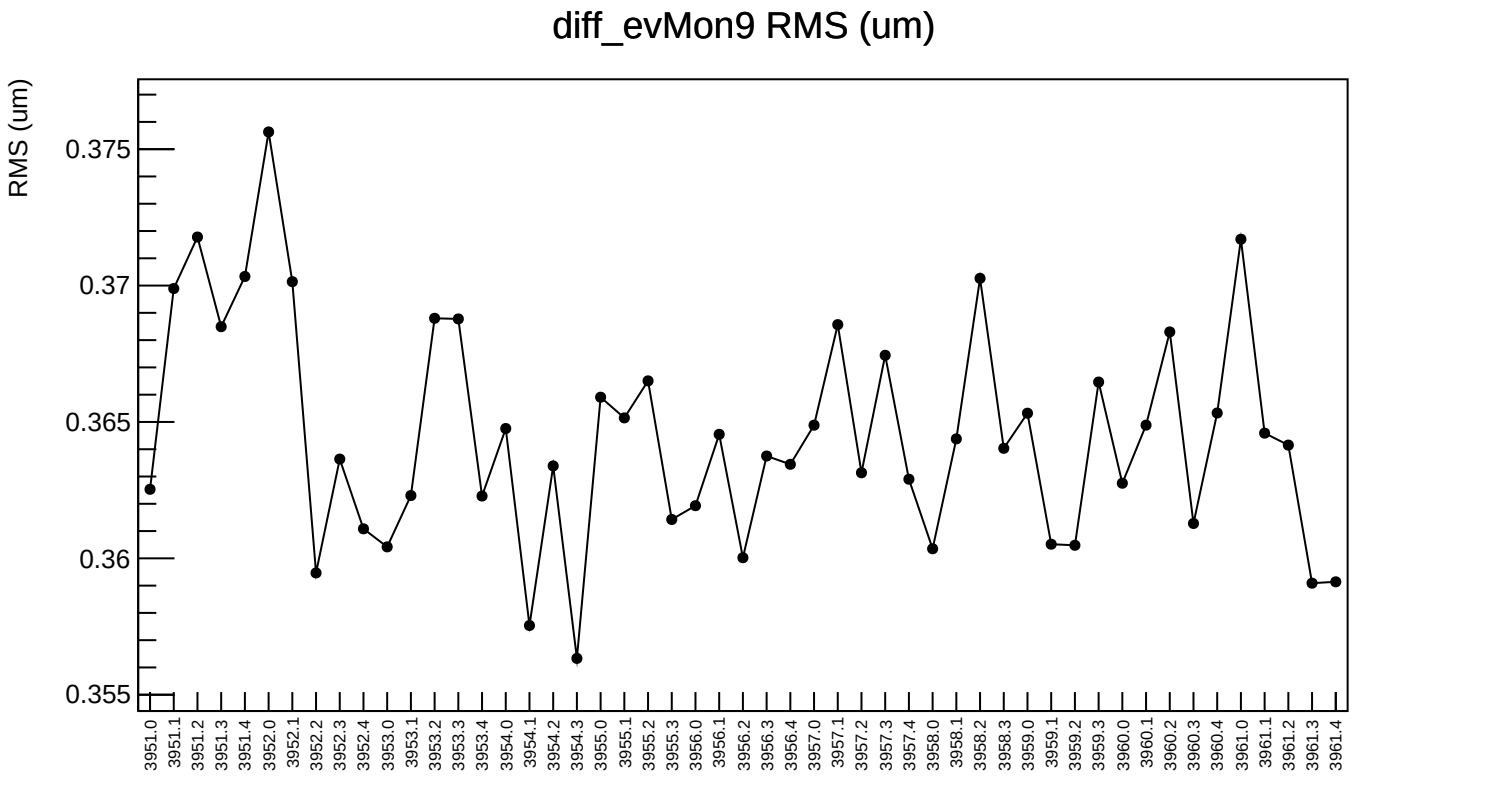

diff_evMon8 (nm)
χ² / ndf 43.13 / 50
p0 0.06886 ± 0.6407

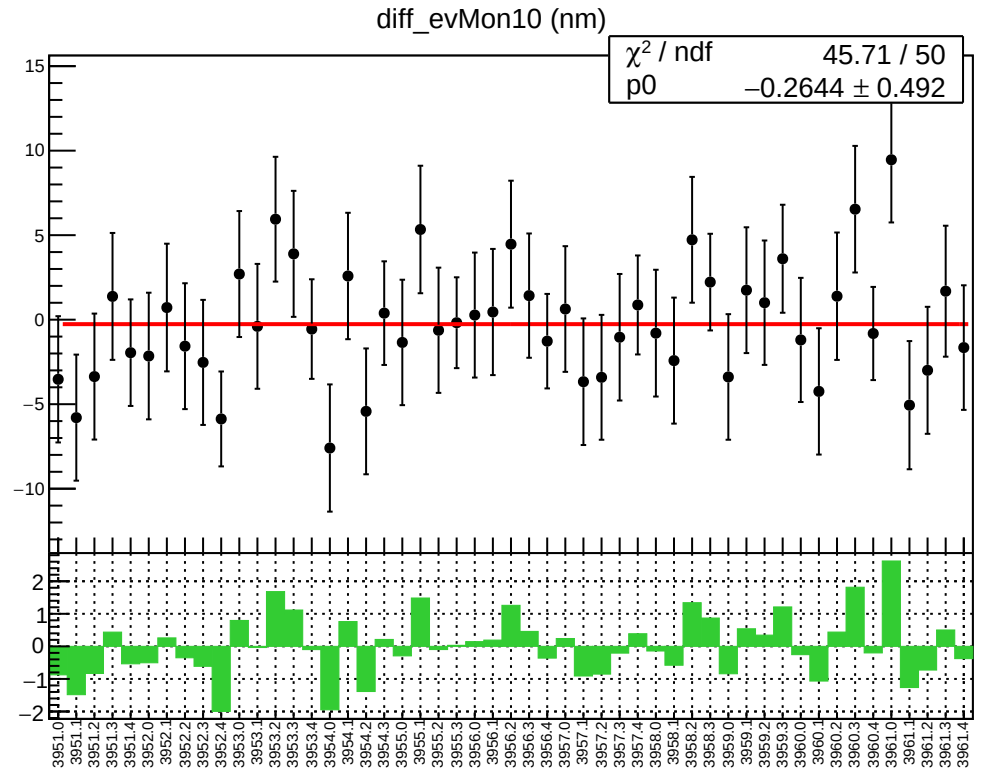

1D pull distribution
Mean 0.004318 ± 0.1288
Std Dev 0.9196 ± 0.09106
Underflow 0
Overflow 0
χ² / ndf 3.968 / 5
Constant 10.55 ± 1.95
Mean 0.01275 ± 0.16073
Sigma 0.9744 ± 0.1313

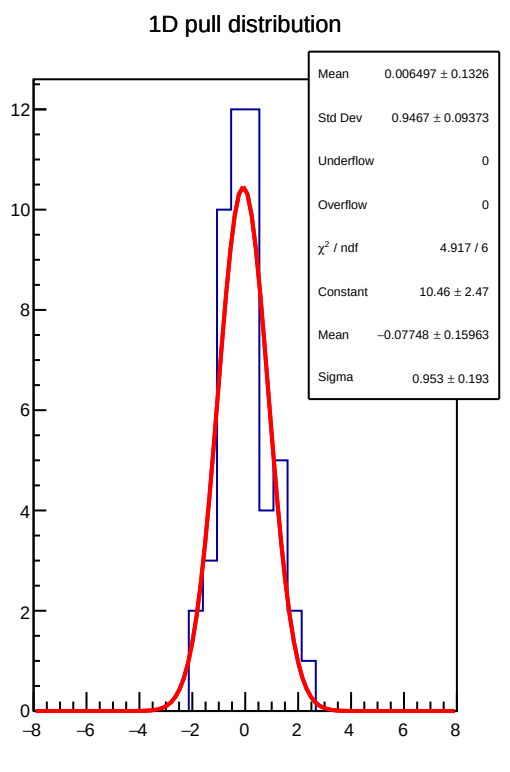

diff_evMon8 RMS (um)
RMS (um)
0.51
0.505
0.5
0.495
0.49
0.485
0.48
0.475
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

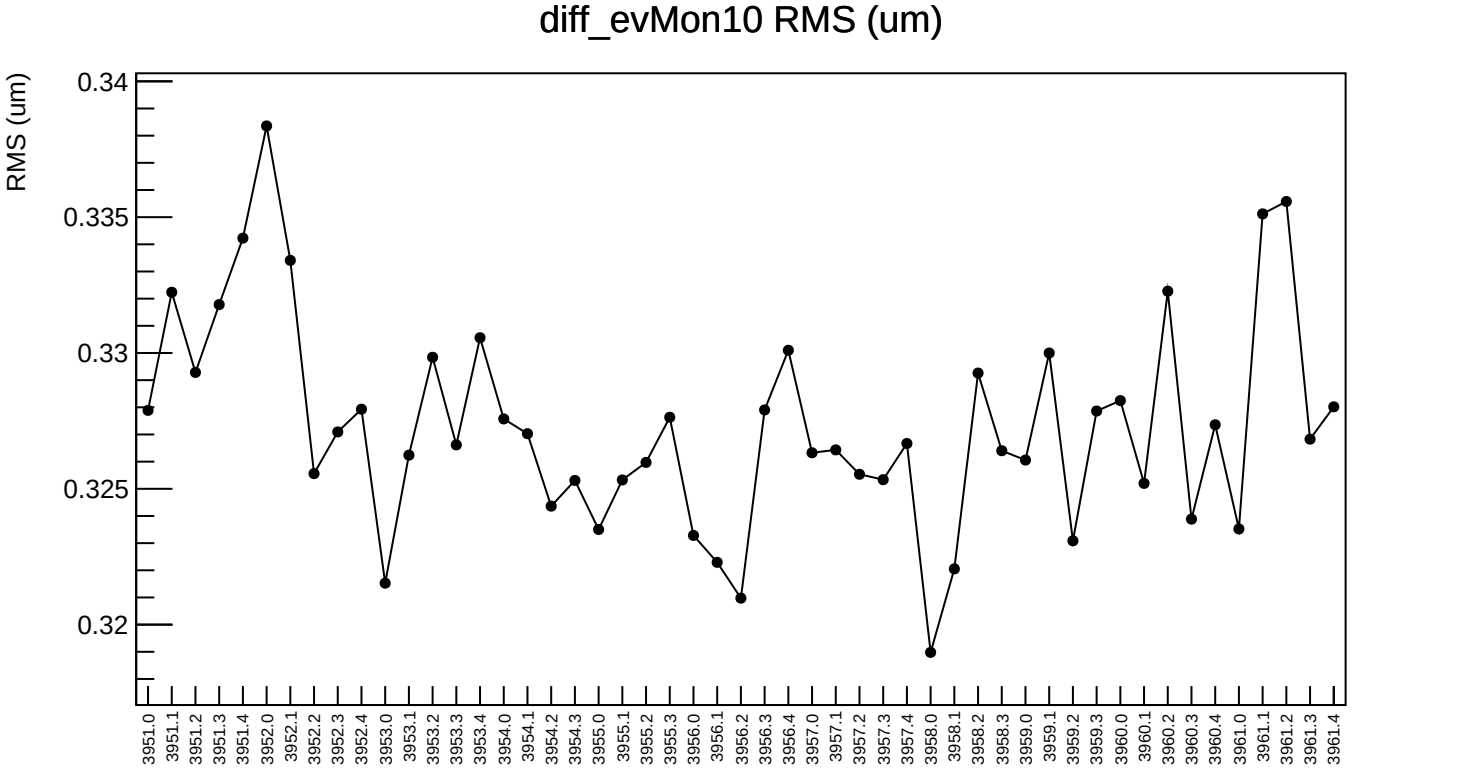

diff_evMon9 (nm)
χ² / ndf 64.41 / 50
p0 −0.6197 ± 0.5187

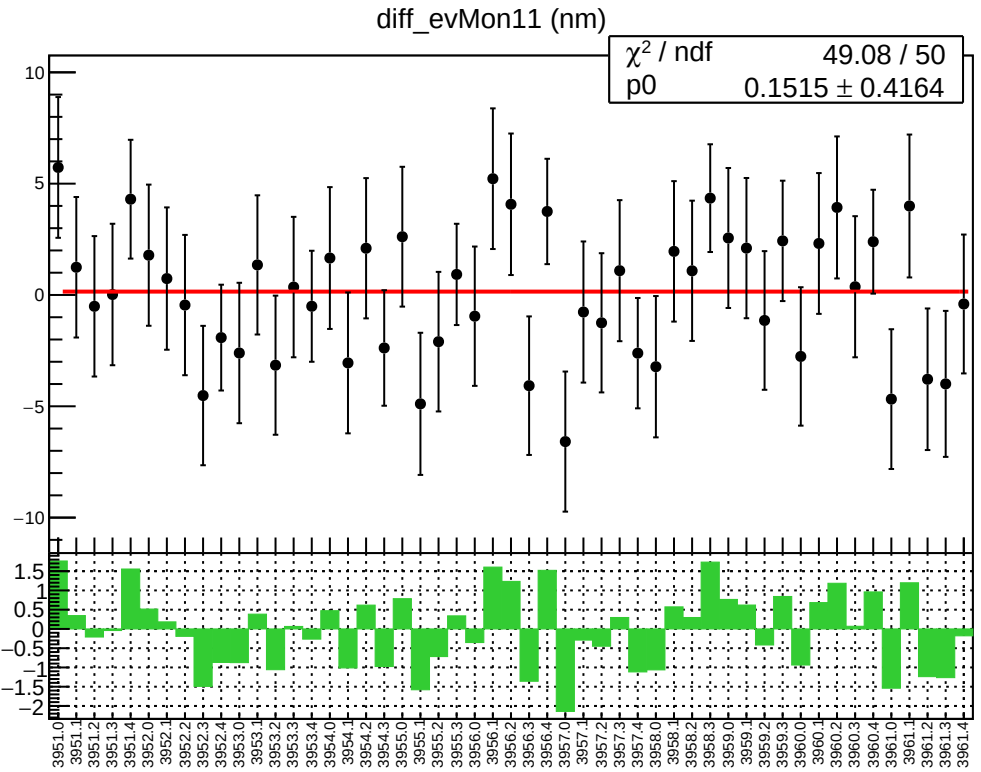

1D pull distribution
Mean −0.01018 ± 0.1574
Std Dev 1.124 ± 0.1113
Underflow 0
Overflow 0
χ² / ndf 9.951 / 7
Constant 9.817 ± 2.214
Mean 0.092 ± 0.149
Sigma 0.9035 ± 0.1628

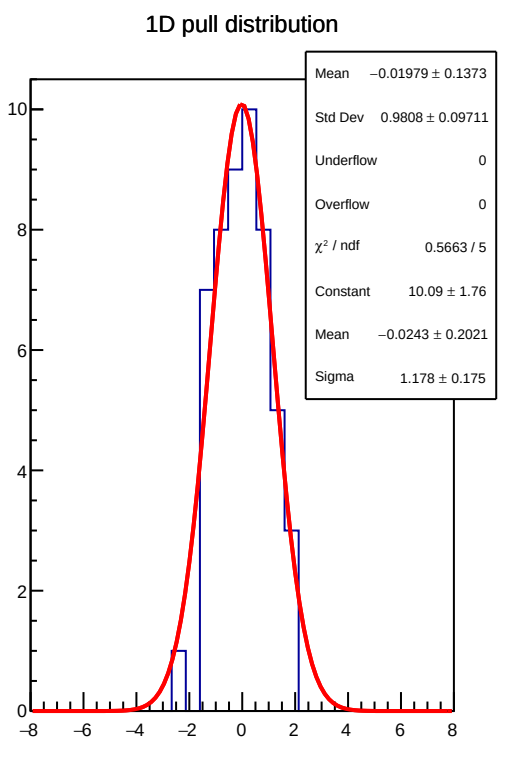

diff_evMon9 RMS (um)
RMS (um)
0.375
0.37
0.365
0.36
0.355
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

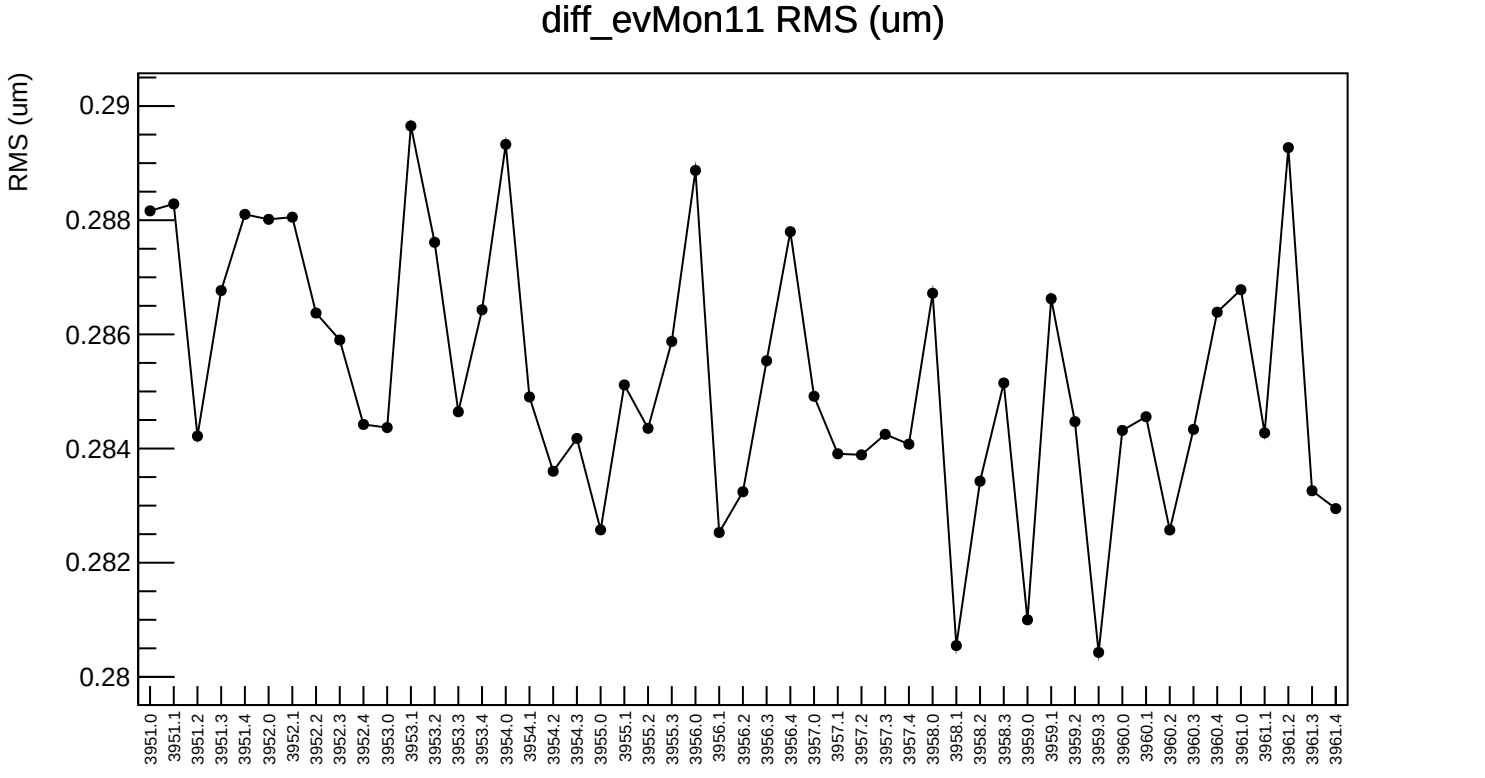

diff_evMon10 (nm)
χ² / ndf 45.71 / 50
p0 −0.2644 ± 0.492

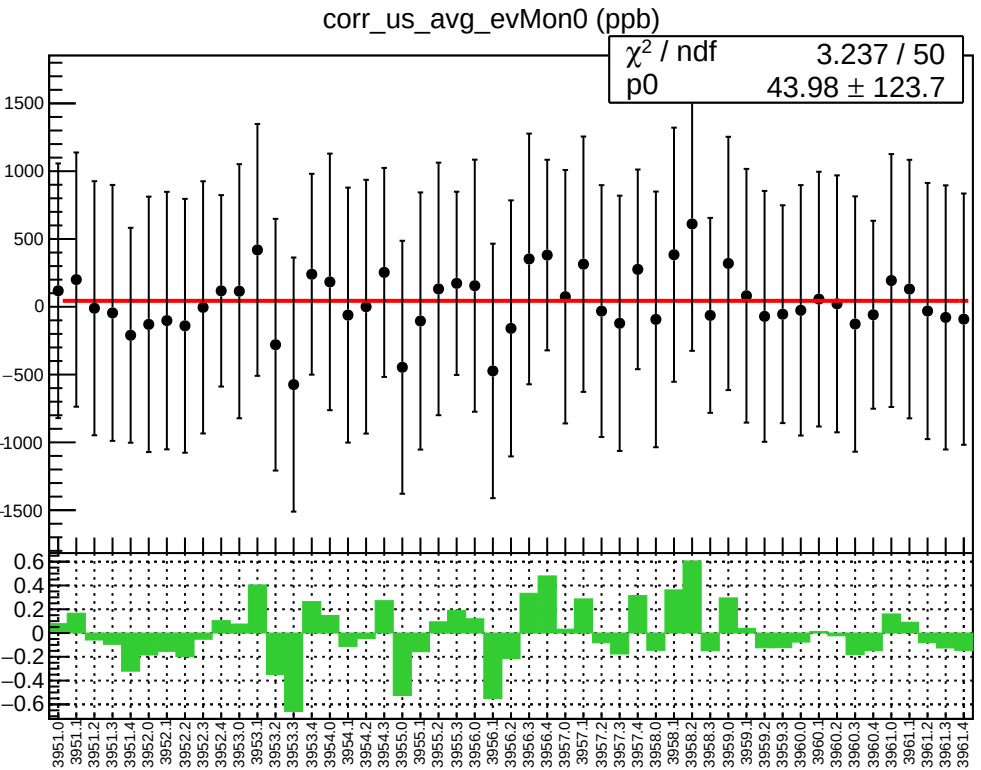

1D pull distribution
Mean 0.006497 ± 0.1326
Std Dev 0.9467 ± 0.09373
Underflow 0
Overflow 0
χ² / ndf 4.917 / 6
Constant 10.46 ± 2.47
Mean −0.07748 ± 0.15963
Sigma 0.953 ± 0.193

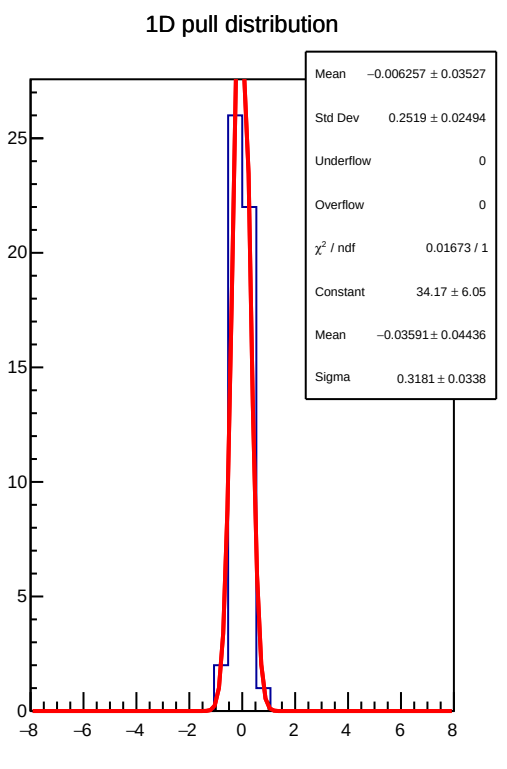

diff_evMon10 RMS (um)
RMS (um)
0.34
0.335
0.33
0.325
0.32
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

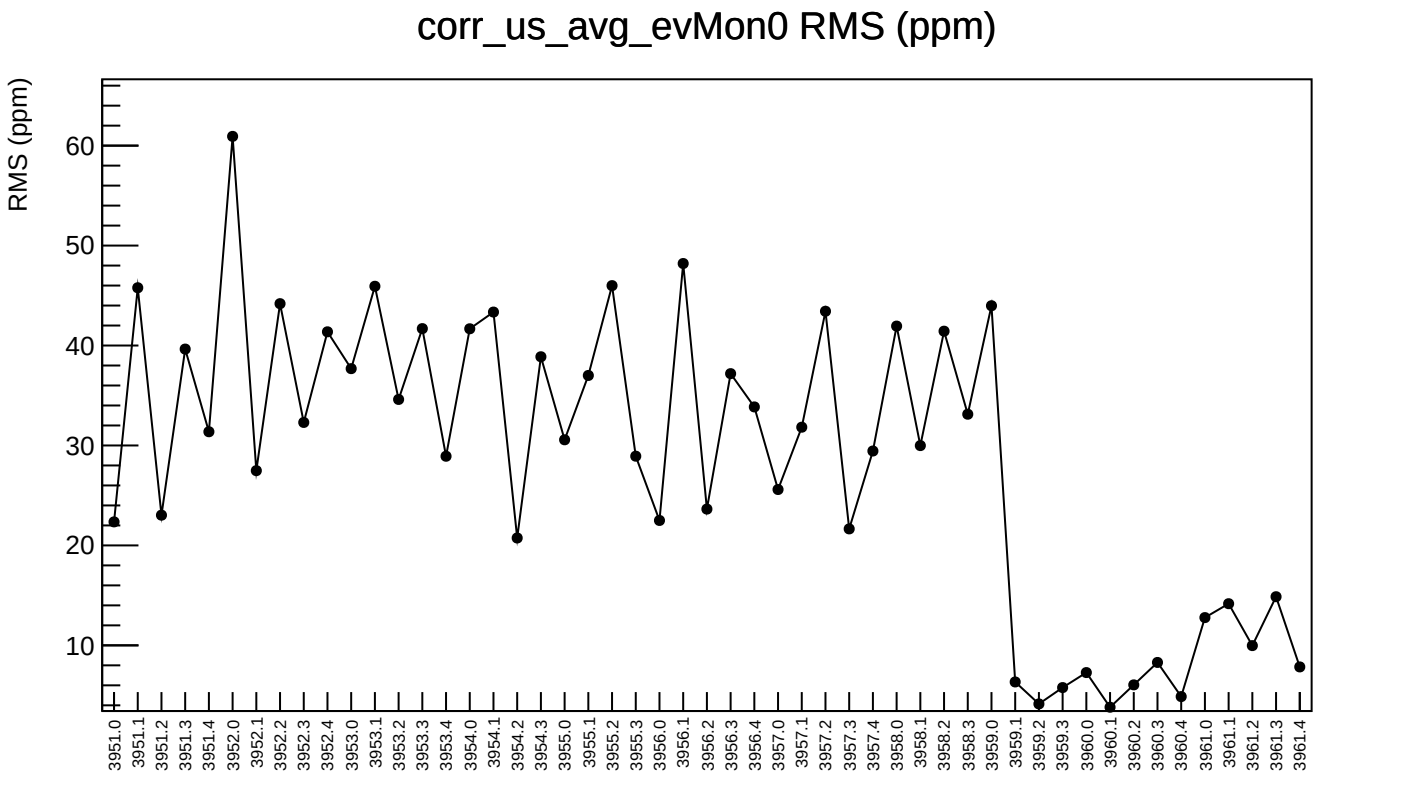

diff_evMon11 (nm)
χ² / ndf 49.08 / 50
p0 0.1515 ± 0.4164

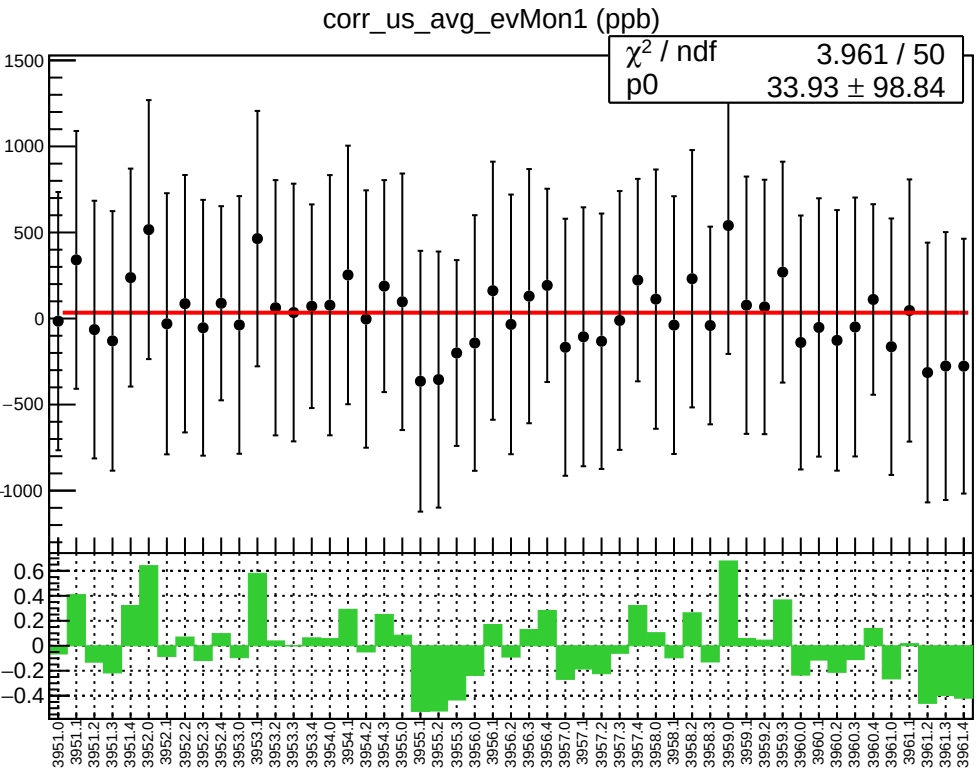

1D pull distribution
Mean −0.01979 ± 0.1373
Std Dev 0.9808 ± 0.09711
Underflow 0
Overflow 0
χ² / ndf 0.5663 / 5
Constant 10.09 ± 1.76
Mean −0.0243 ± 0.2021
Sigma 1.178 ± 0.175

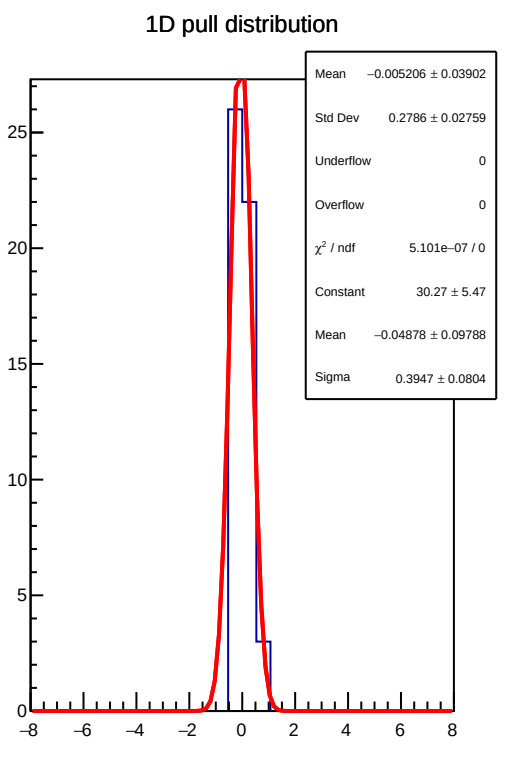

diff_evMon11 RMS (um)
RMS (um)
0.29
0.288
0.286
0.284
0.282
0.28
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

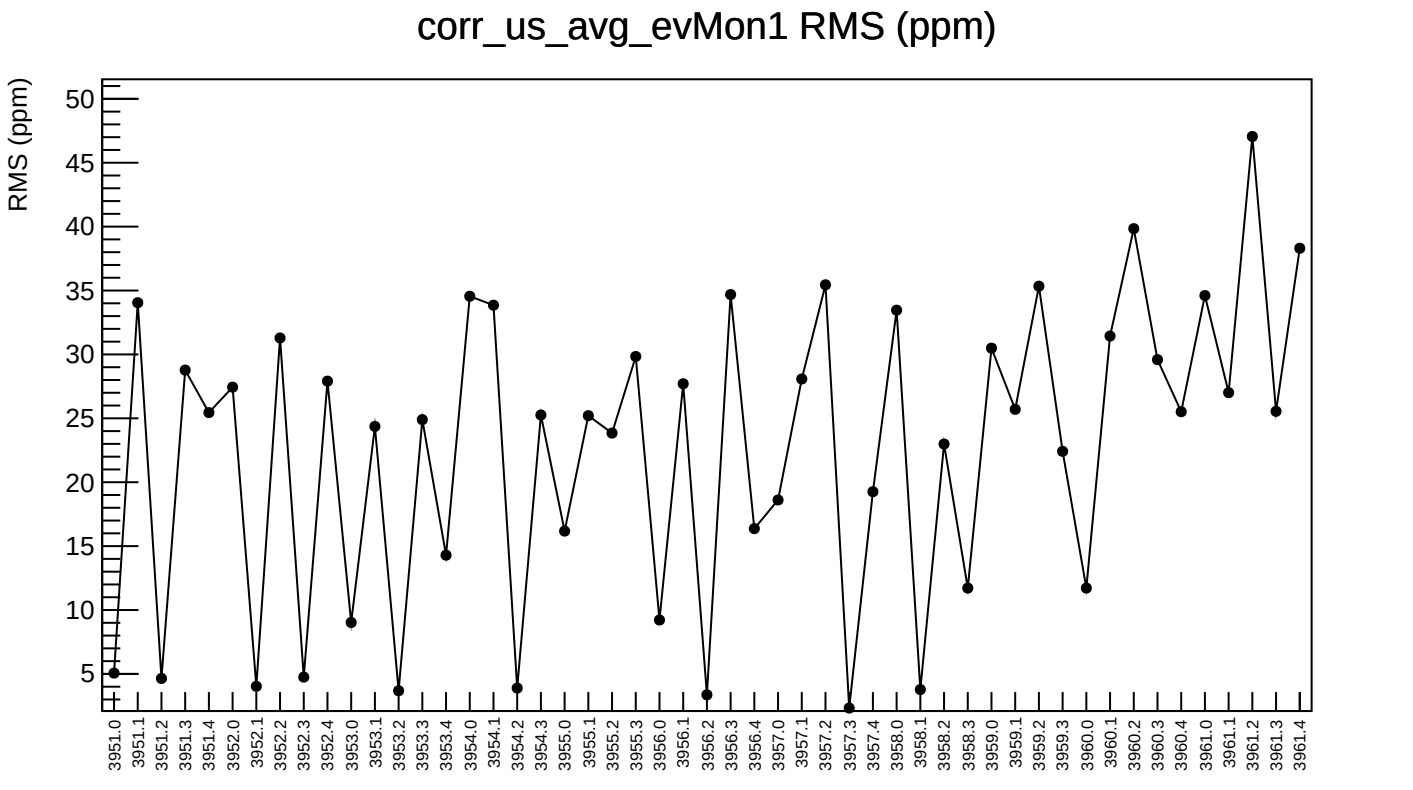

corr_us_avg_evMon0 (ppb)
χ² / ndf 3.237 / 50
p0 43.98 ± 123.7
1500
1000
500
0
−500
−1000
−1500
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

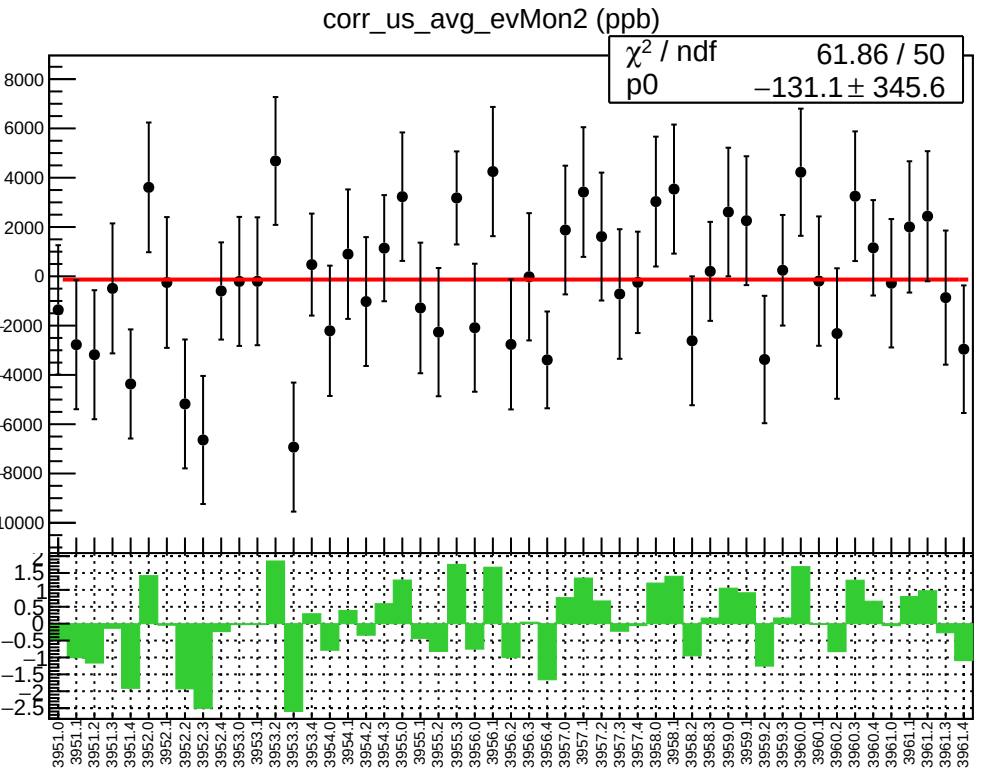

1D pull distribution
Mean −0.006257 ± 0.03527
Std Dev 0.2519 ± 0.02494
Underflow 0
Overflow 0
χ² / ndf 0.01673 / 1
Constant 34.17 ± 6.05
Mean −0.03591 ± 0.04436
Sigma 0.3181 ± 0.0338
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

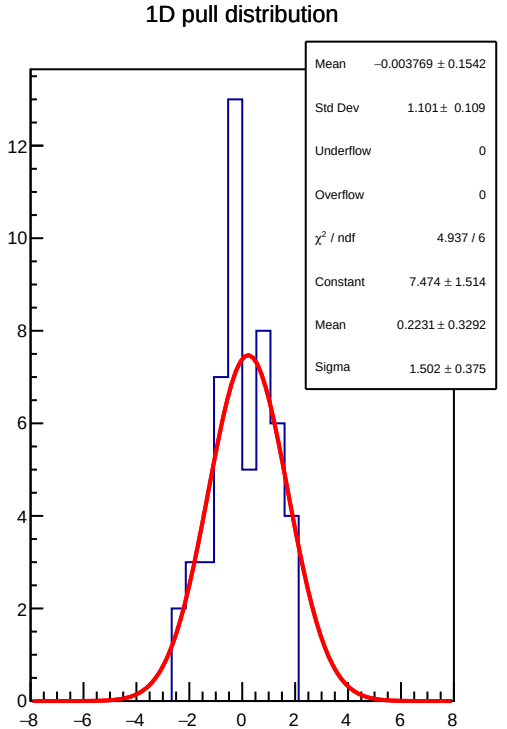

corr_us_avg_evMon0 RMS (ppm)
RMS (ppm)
60
50
40
30
20
10
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

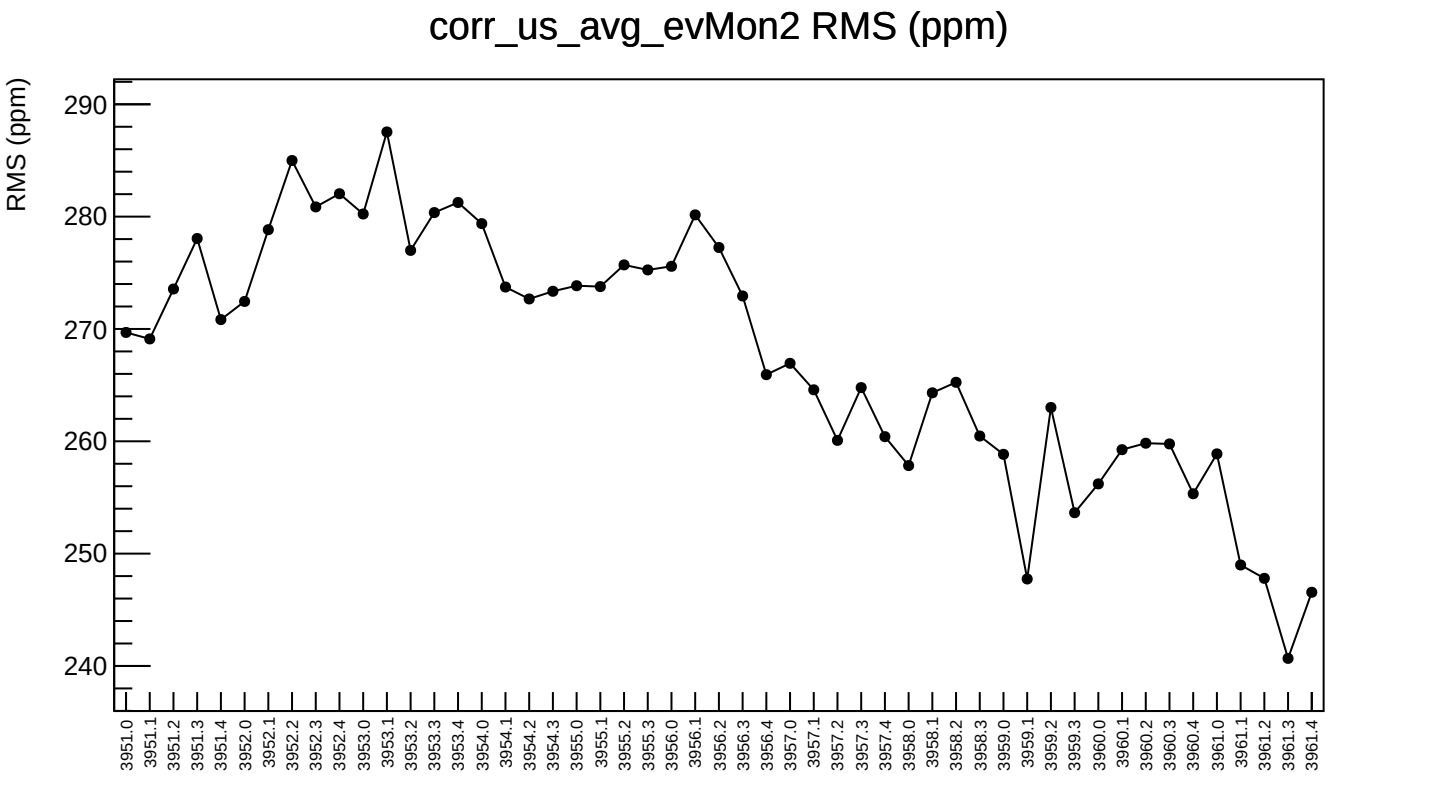

corr_us_avg_evMon1 (ppb)
χ² / ndf 3.961 / 50
p0 33.93 ± 98.84
1500
1000
500
0
−500
−1000
0.6
0.4
0.2
0
−0.2
−0.4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

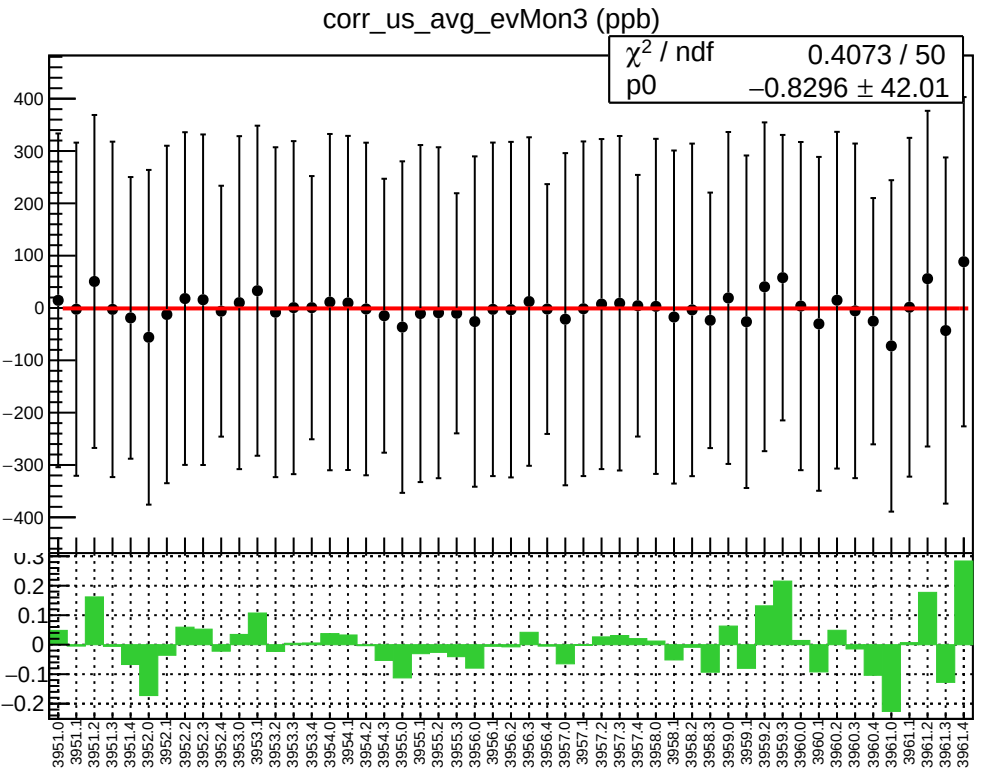

1D pull distribution
Mean −0.005206 ± 0.03902
Std Dev 0.2786 ± 0.02759
Underflow 0
Overflow 0
χ² / ndf 5.101e−07 / 0
Constant 30.27 ± 5.47
Mean −0.04878 ± 0.09788
Sigma 0.3947 ± 0.0804
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

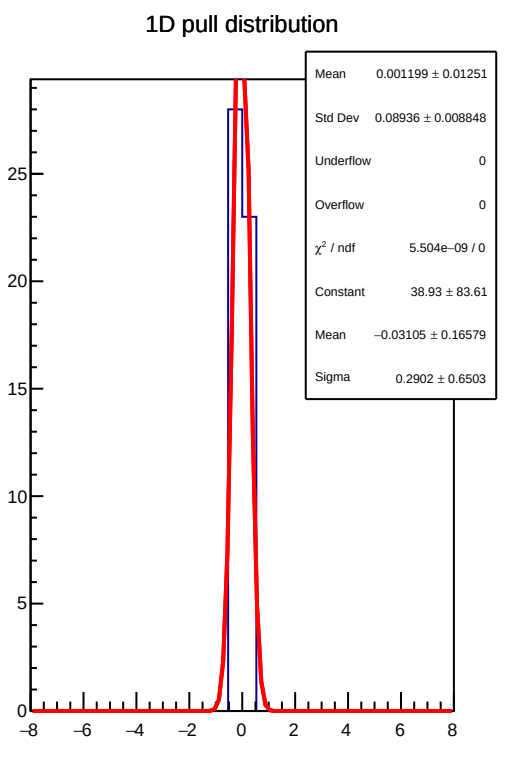

corr_us_avg_evMon1 RMS (ppm)
RMS (ppm)
50
45
40
35
30
25
20
15
10
5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

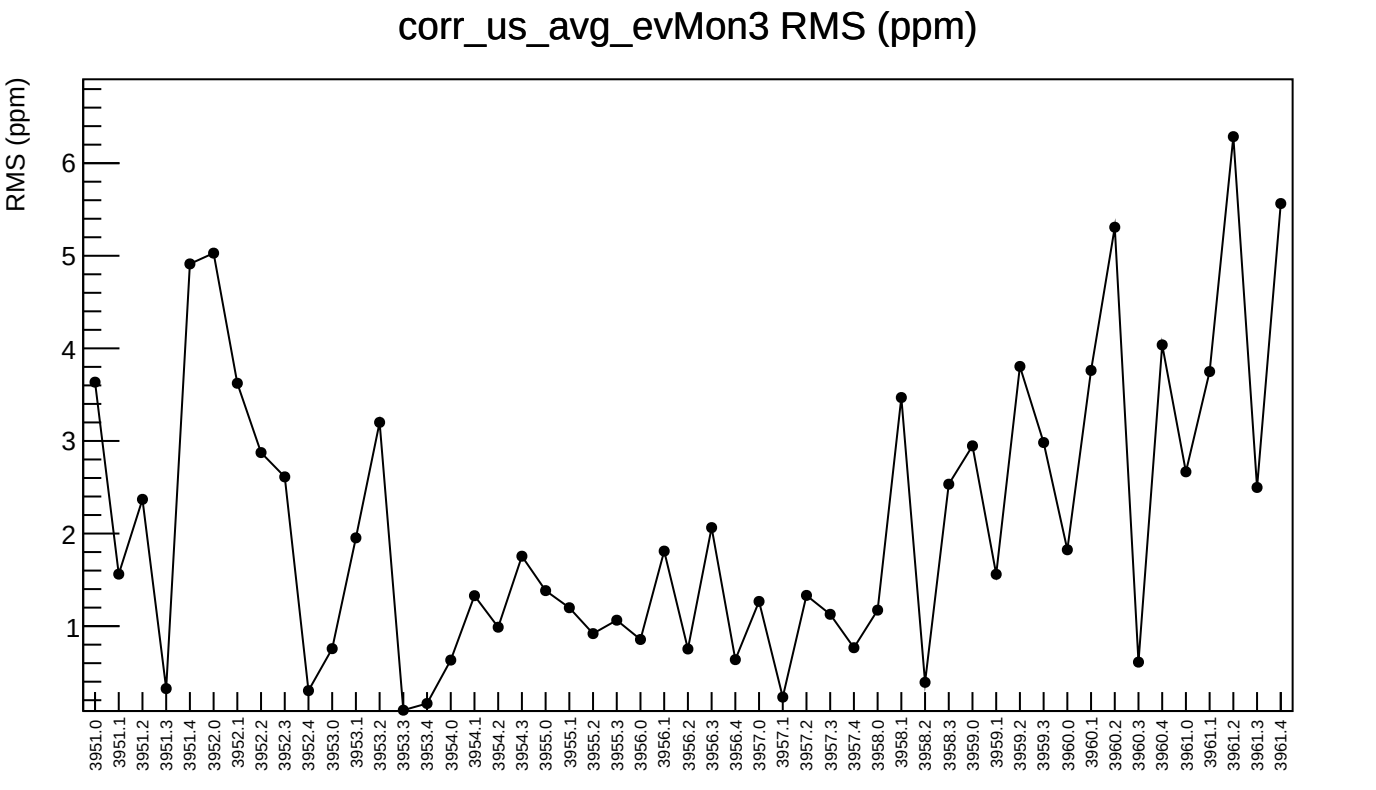

corr_us_avg_evMon2 (ppb)
χ² / ndf 61.86 / 50
p0 −131.1 ± 345.6
8000
6000
4000
2000
0
-2000
-4000
-6000
-8000
10000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

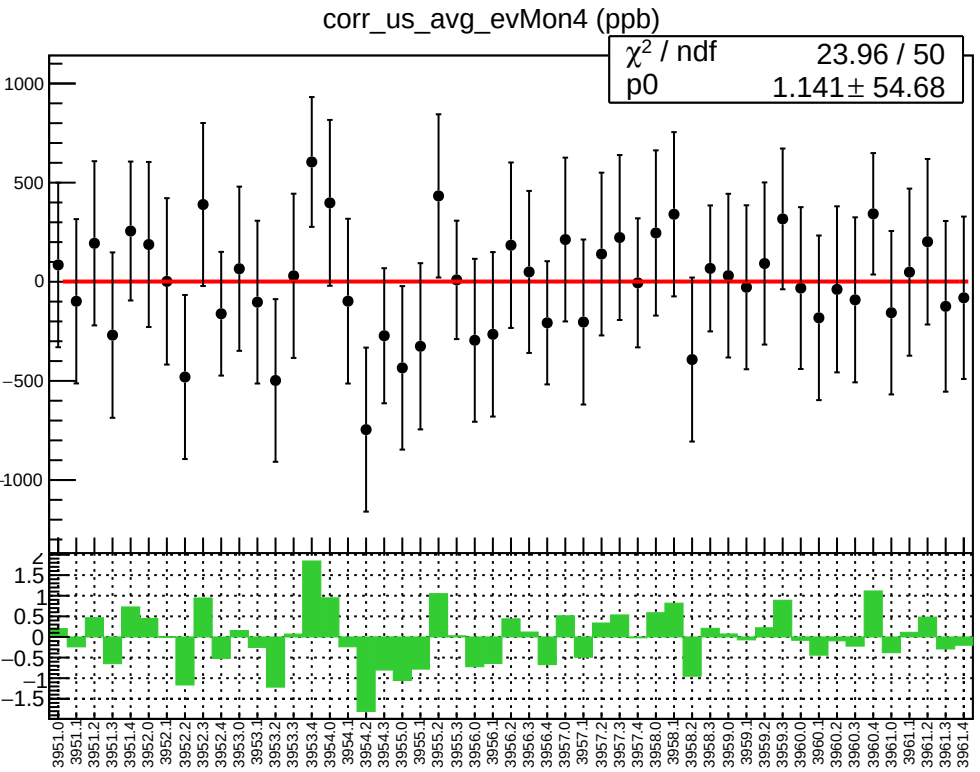

1D pull distribution
Mean −0.003769 ± 0.1542
Std Dev 1.101 ± 0.109
Underflow 0
Overflow 0
χ² / ndf 4.937 / 6
Constant 7.474 ± 1.514
Mean 0.2231 ± 0.3292
Sigma 1.502 ± 0.375
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

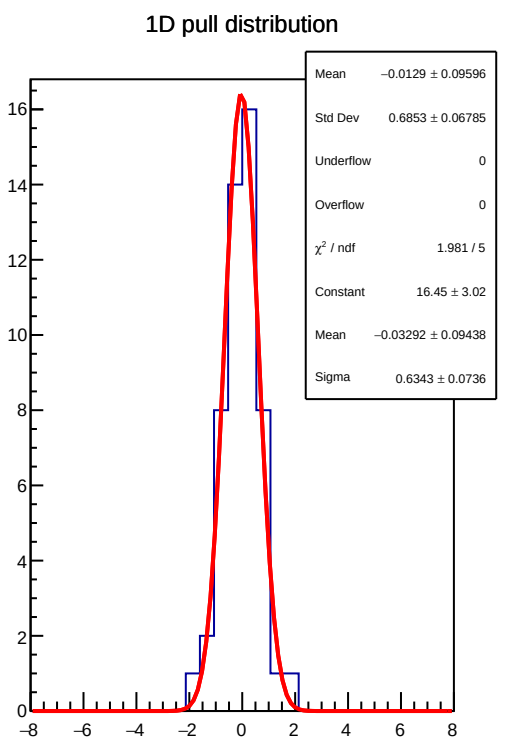

corr_us_avg_evMon2 RMS (ppm)
RMS (ppm)
290
280
270
260
250
240
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

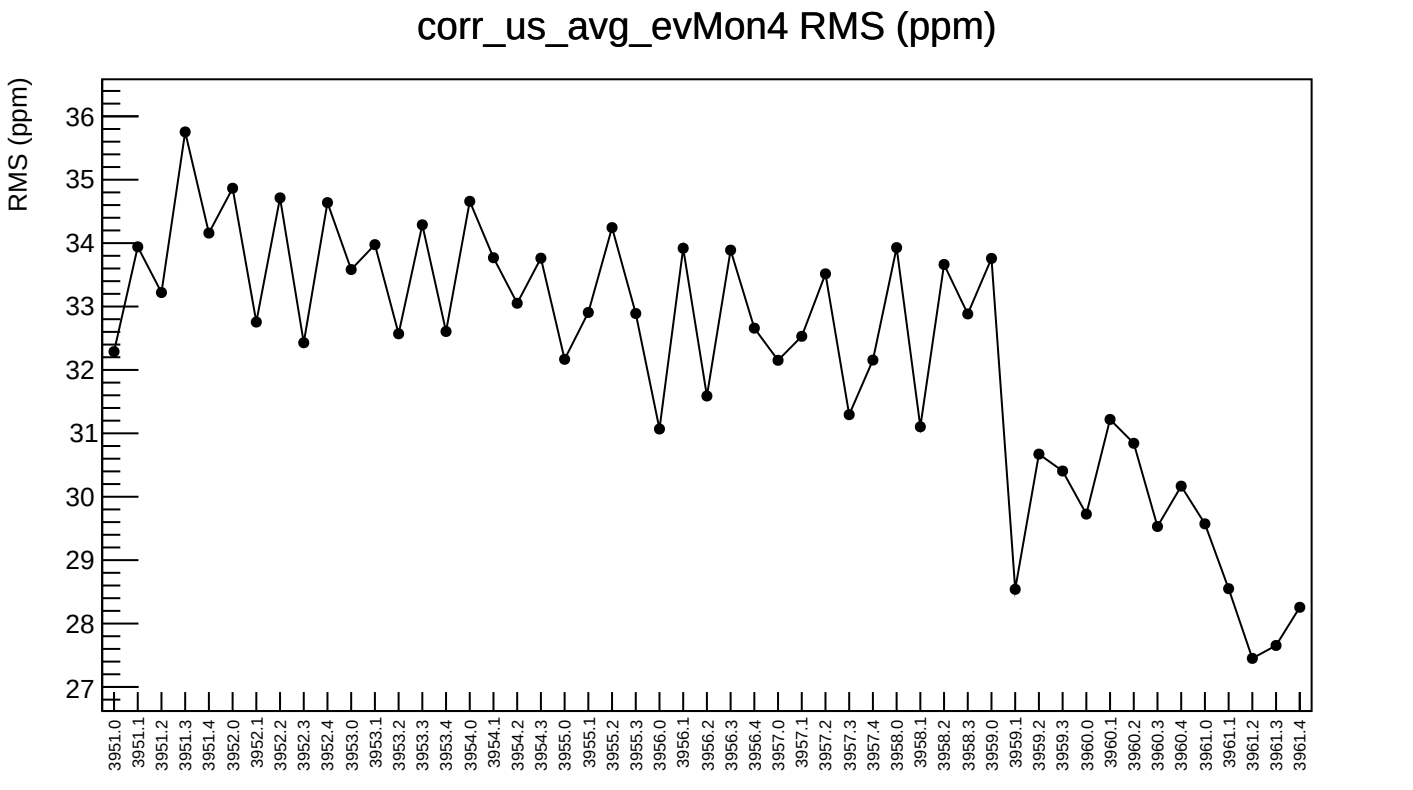

corr_us_avg_evMon3 (ppb)
χ² / ndf 0.4073 / 50
p0 −0.8296 ± 42.01
400
300
200
100
0
−100
−200
−300
−400
0.3
0.2
0.1
0
−0.1
−0.2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

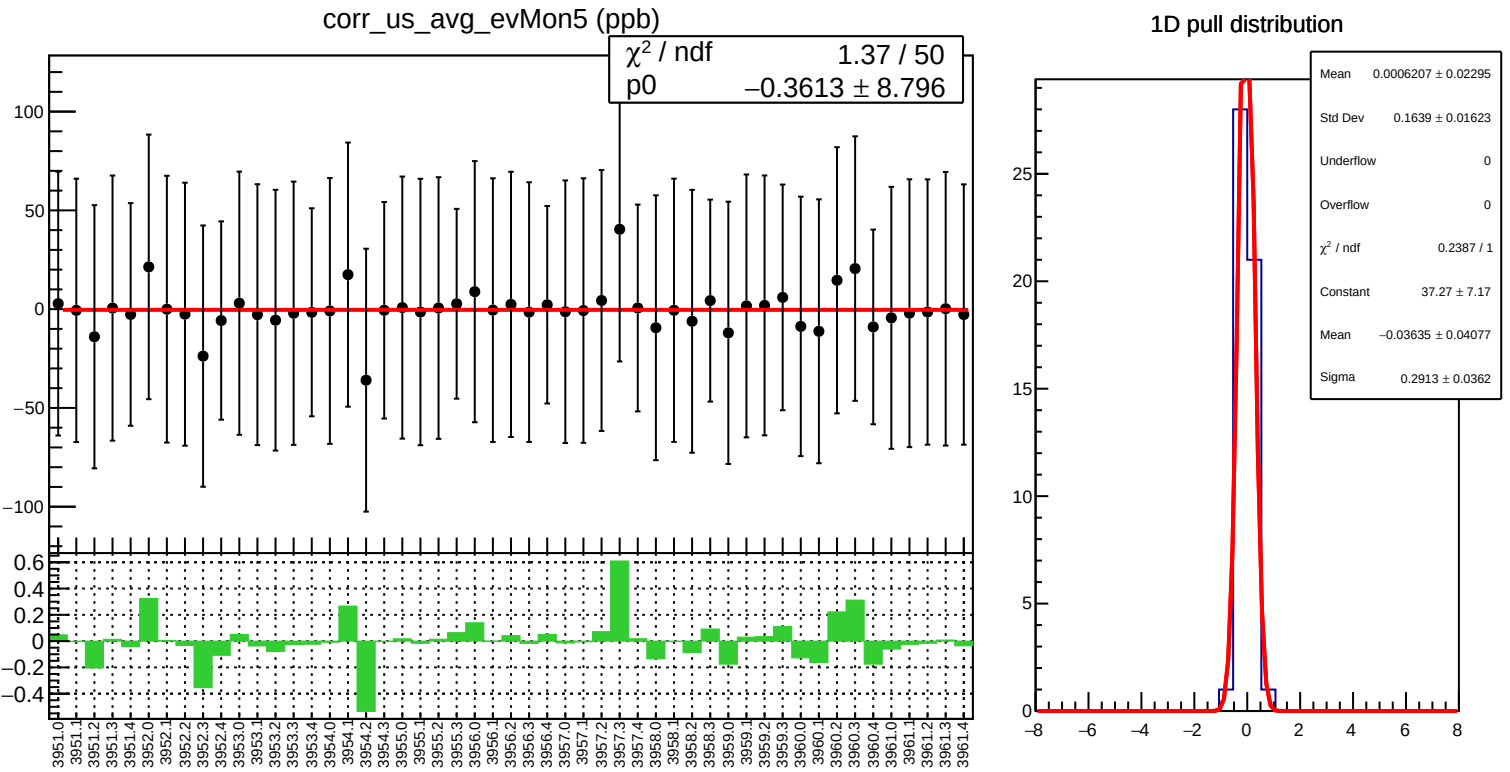

1D pull distribution
Mean 0.001199 ± 0.01251
Std Dev 0.08936 ± 0.008848
Underflow 0
Overflow 0
χ² / ndf 5.504e−09 / 0
Constant 38.93 ± 83.61
Mean −0.03105 ± 0.16579
Sigma 0.2902 ± 0.6503
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

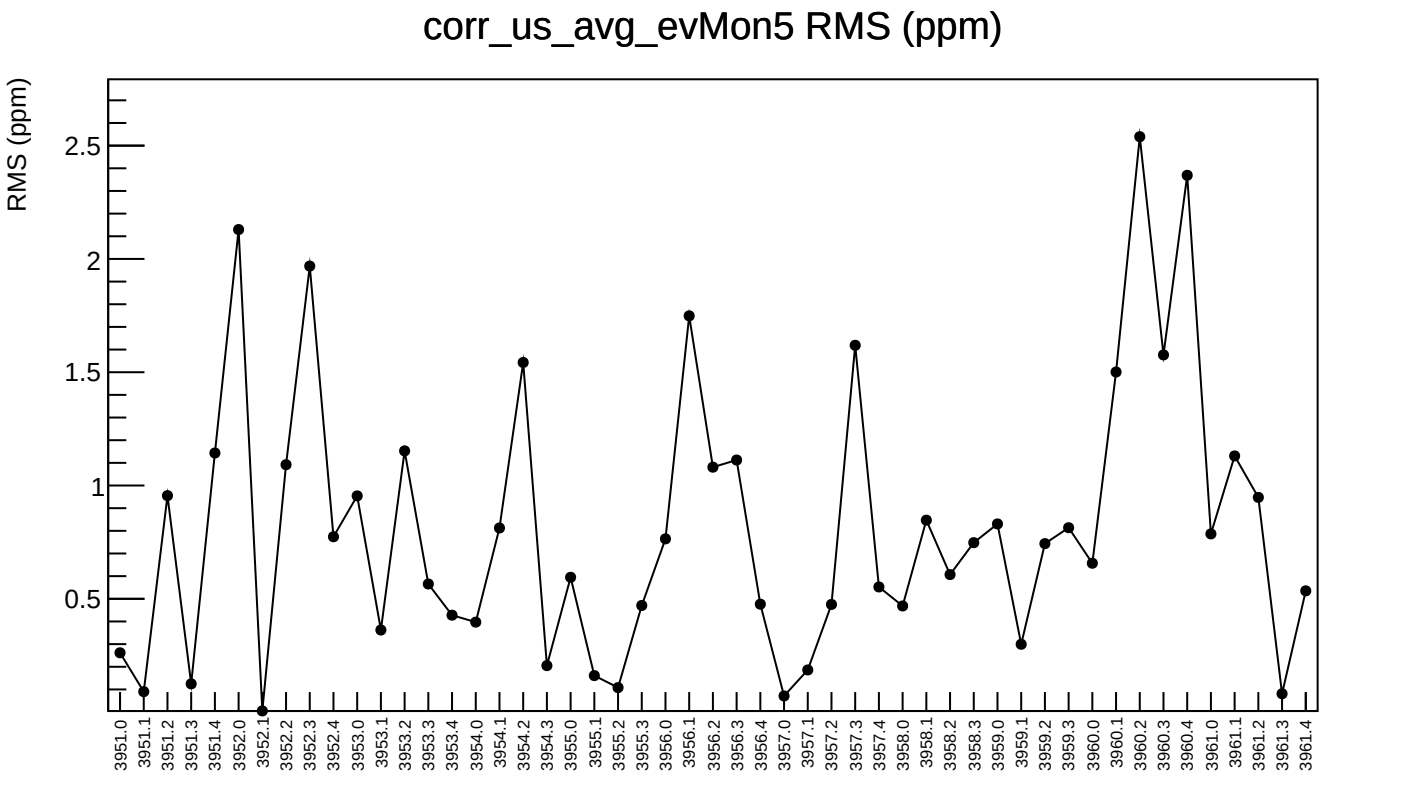

corr_us_avg_evMon3 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

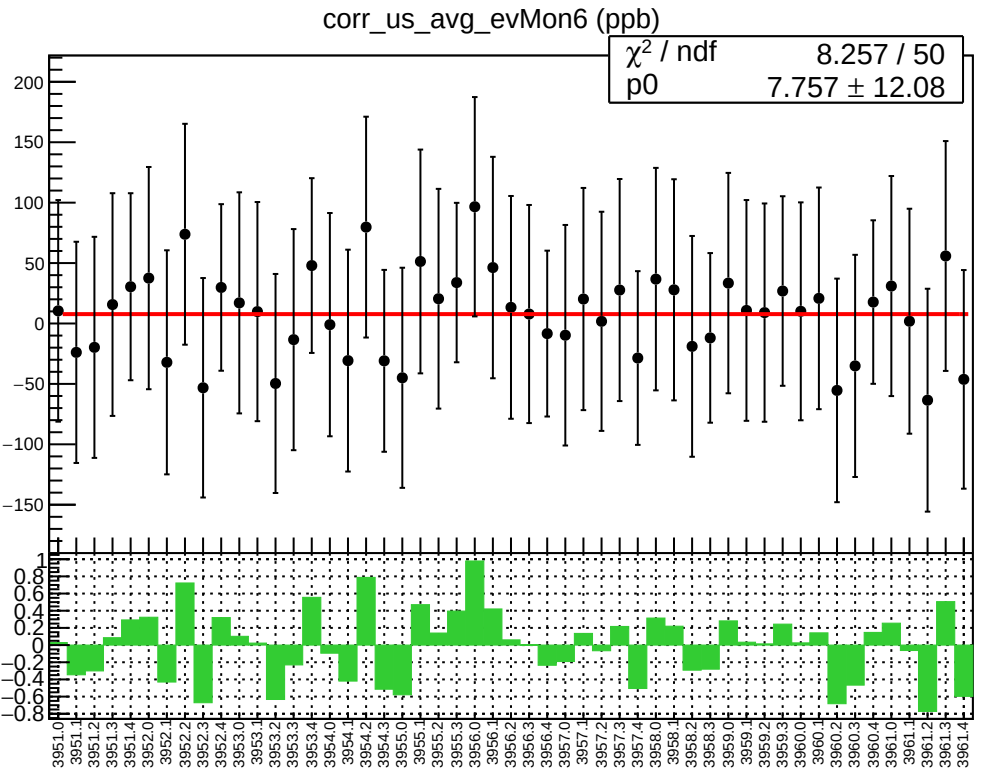

corr_us_avg_evMon4 (ppb)
χ² / ndf 23.96 / 50
p0 1.141 ± 54.68
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

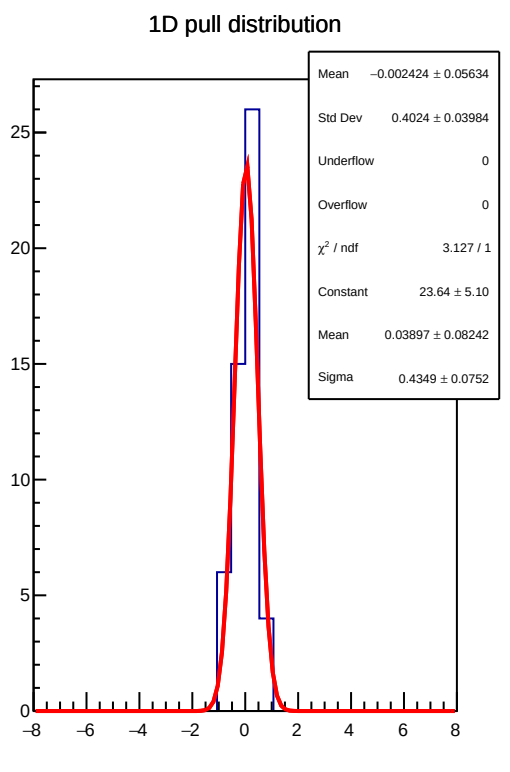

1D pull distribution
Mean −0.0129 ± 0.09596
Std Dev 0.6853 ± 0.06785
Underflow 0
Overflow 0
χ² / ndf 1.981 / 5
Constant 16.45 ± 3.02
Mean −0.03292 ± 0.09438
Sigma 0.6343 ± 0.0736
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

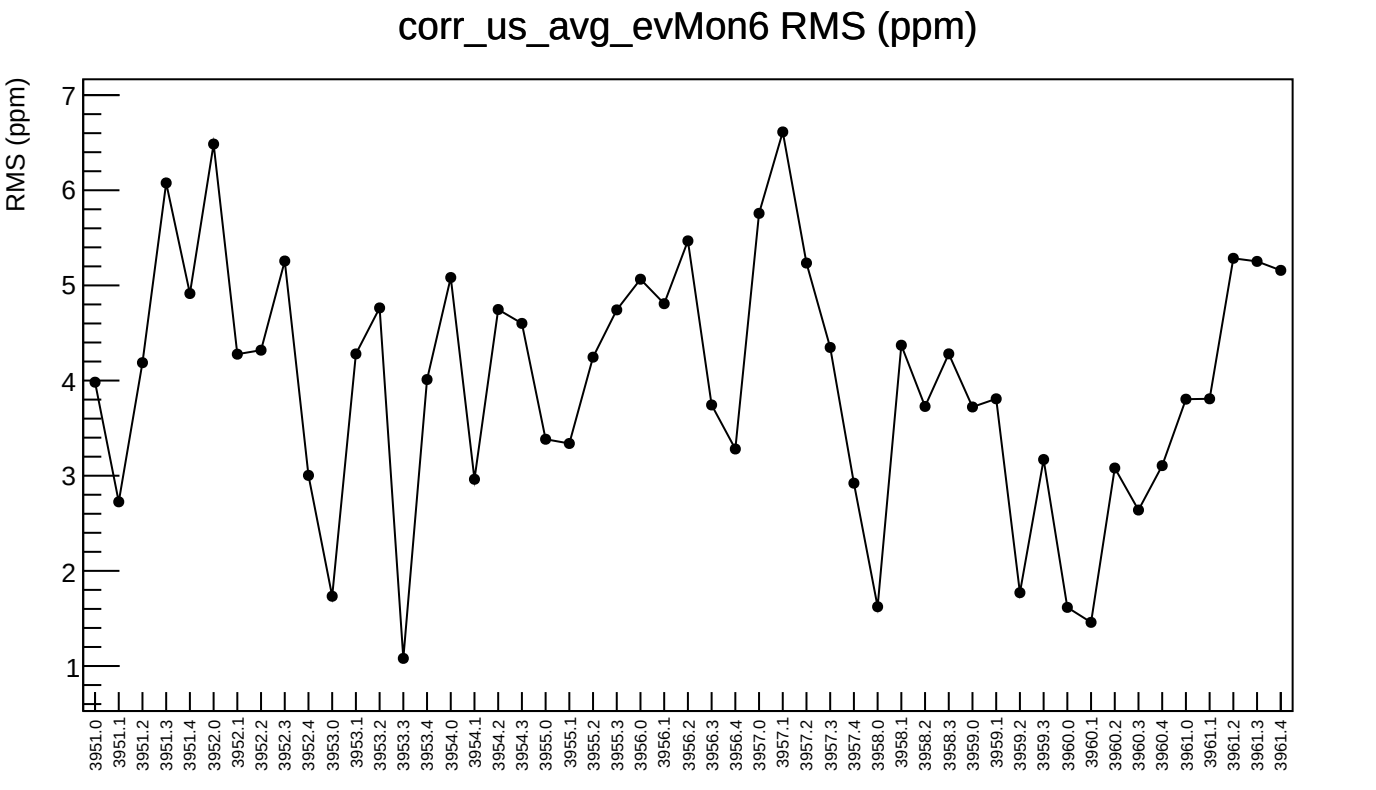

corr_us_avg_evMon4 RMS (ppm)
RMS (ppm)
36
35
34
33
32
31
30
29
28
27
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

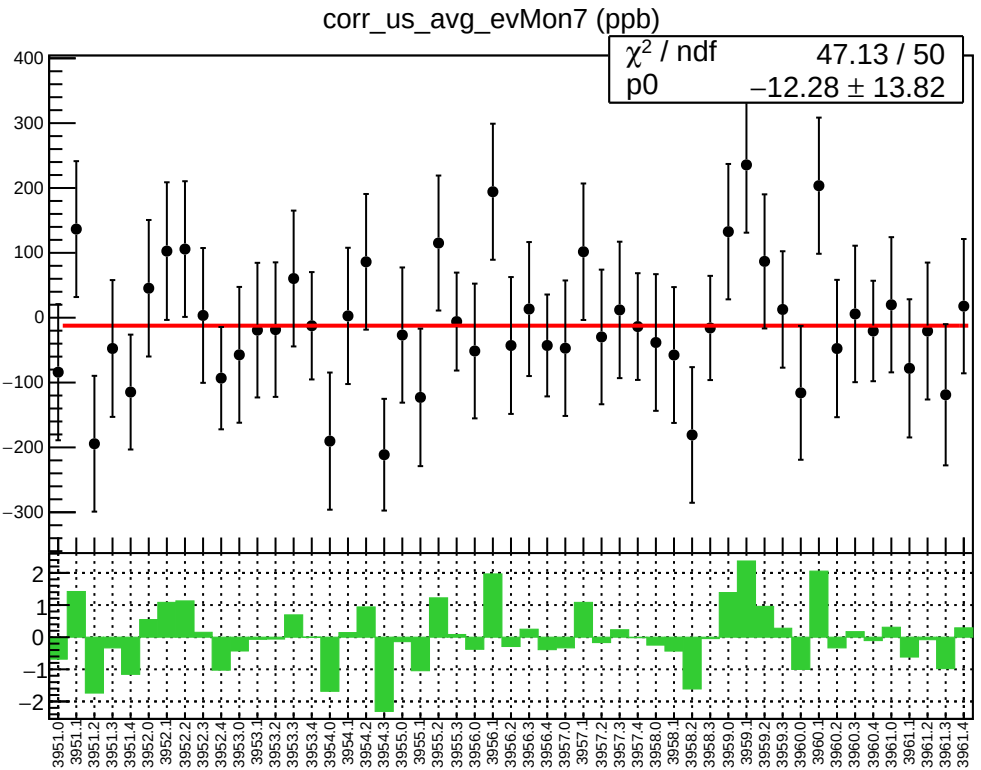

corr_us_avg_evMon5 (ppb)
χ² / ndf 1.37 / 50
p0 −0.3613 ± 8.796
100
50
0
−50
−100
0.6
0.4
0.2
0
−0.2
−0.4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
1D pull distribution
Mean 0.0006207 ± 0.02295
Std Dev 0.1639 ± 0.01623
Underflow 0
Overflow 0
χ² / ndf 0.2387 / 1
Constant 37.27 ± 7.17
Mean −0.03635 ± 0.04077
Sigma 0.2913 ± 0.0362
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

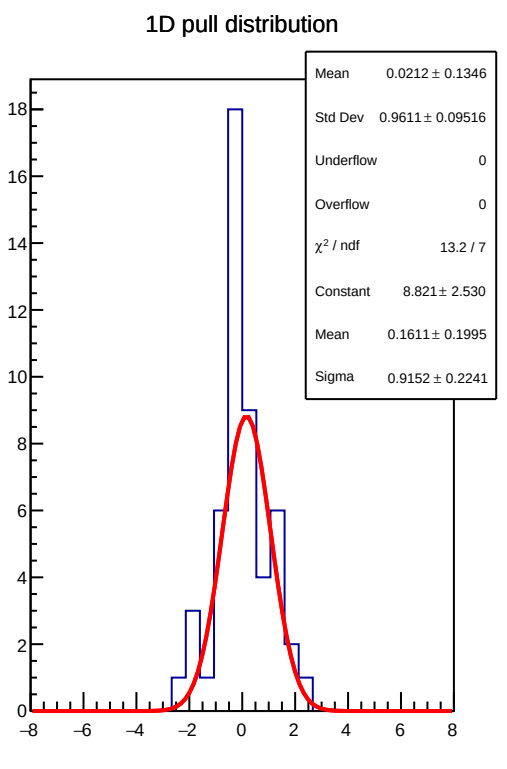

corr_us_avg_evMon5 RMS (ppm)
RMS (ppm)
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

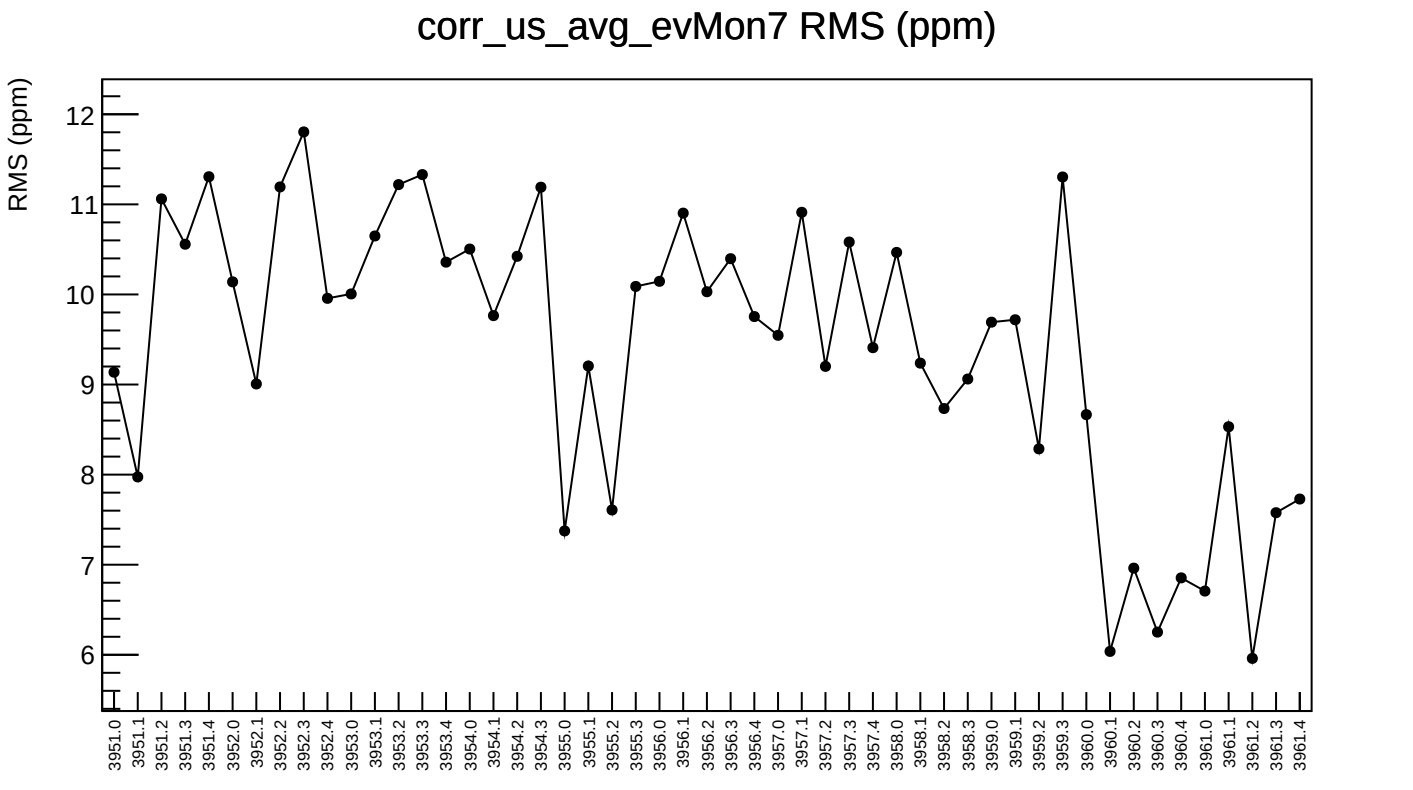

corr_us_avg_evMon6 (ppb)
χ² / ndf 8.257 / 50
p0 7.757 ± 12.08

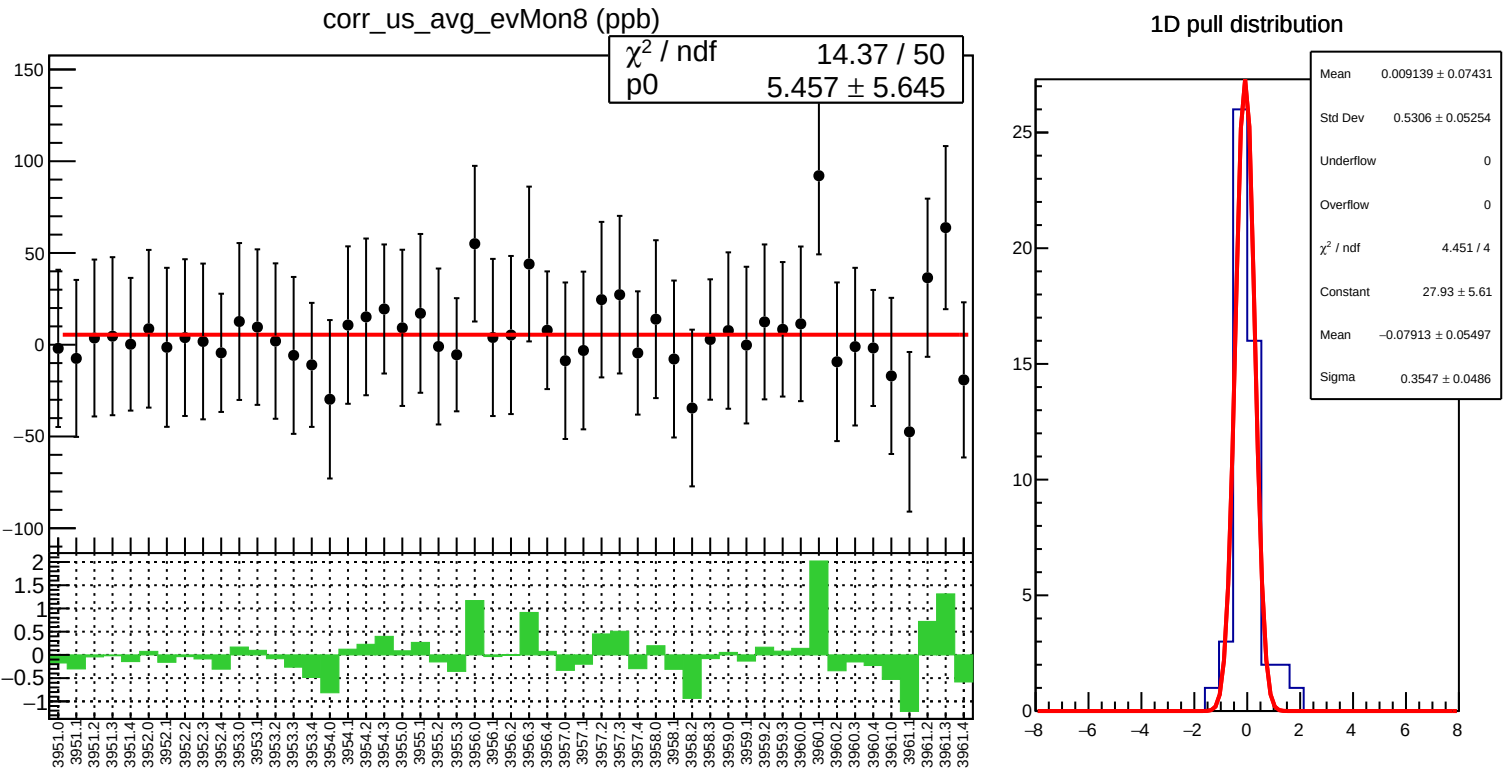

1D pull distribution
Mean −0.002424 ± 0.05634
Std Dev 0.4024 ± 0.03984
Underflow 0
Overflow 0
χ² / ndf 3.127 / 1
Constant 23.64 ± 5.10
Mean 0.03897 ± 0.08242
Sigma 0.4349 ± 0.0752

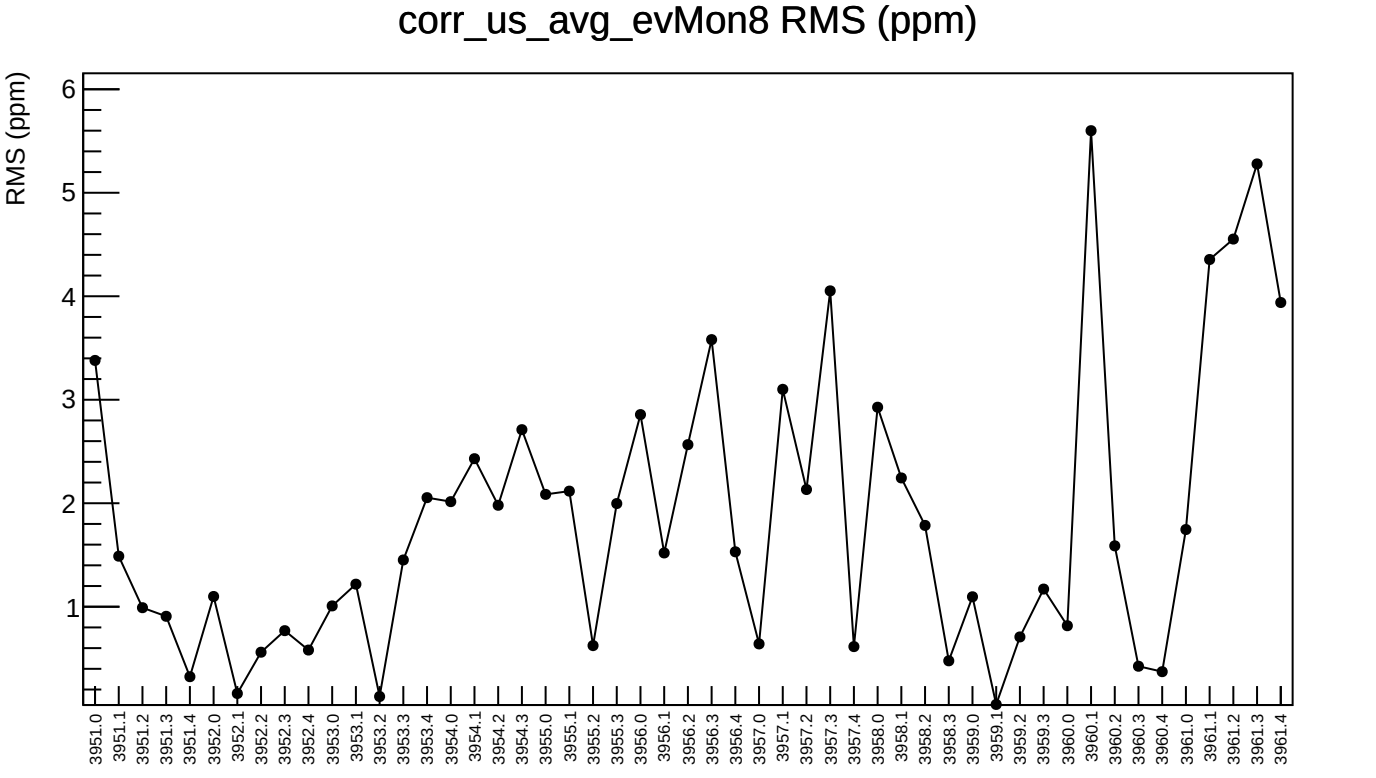

corr_us_avg_evMon6 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

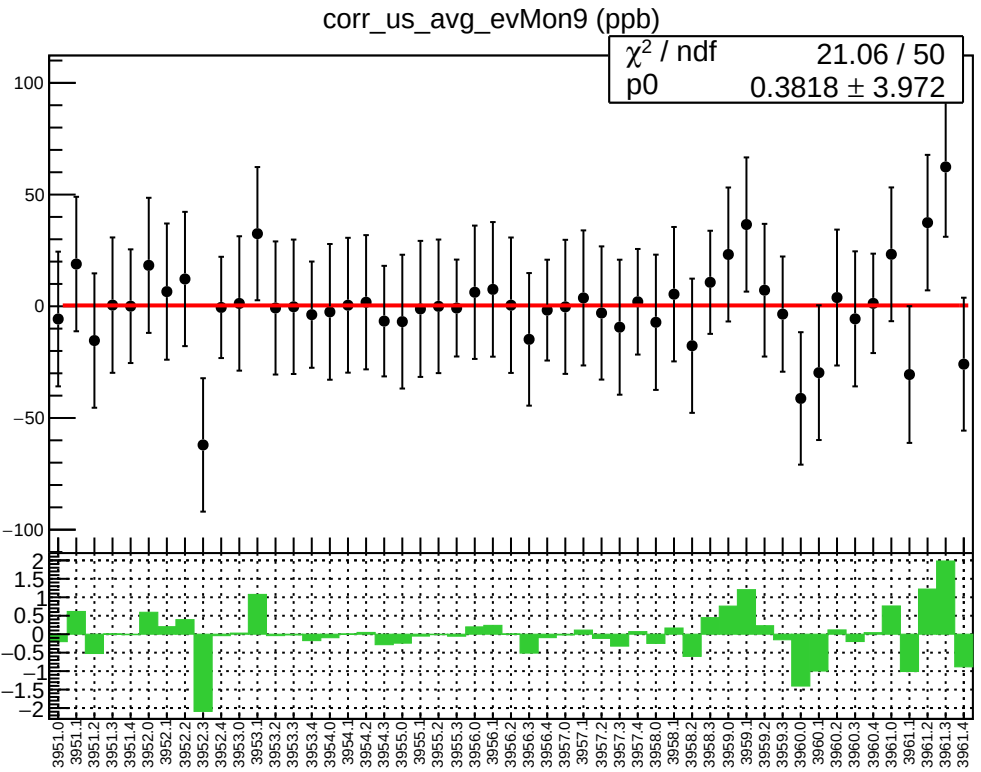

corr_us_avg_evMon7 (ppb)
χ² / ndf 47.13 / 50
p0 −12.28 ± 13.82
400
300
200
100
0
−100
−200
−300
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

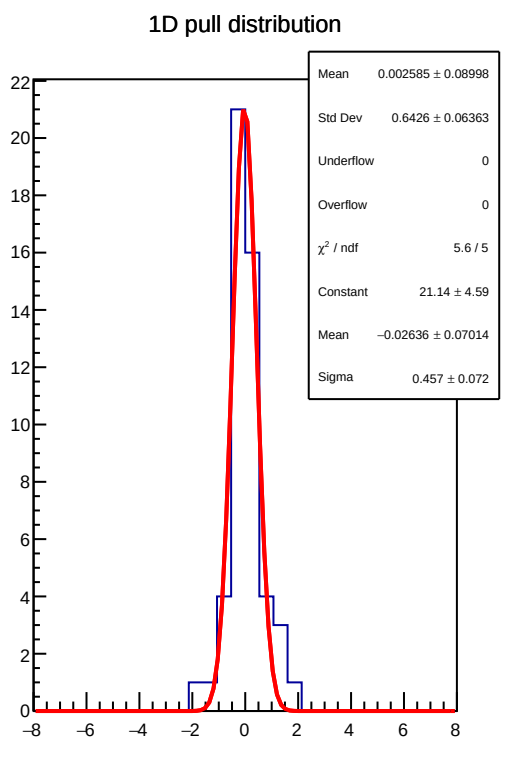

1D pull distribution
Mean 0.0212 ± 0.1346
Std Dev 0.9611 ± 0.09516
Underflow 0
Overflow 0
χ² / ndf 13.2 / 7
Constant 8.821 ± 2.530
Mean 0.1611 ± 0.1995
Sigma 0.9152 ± 0.2241
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

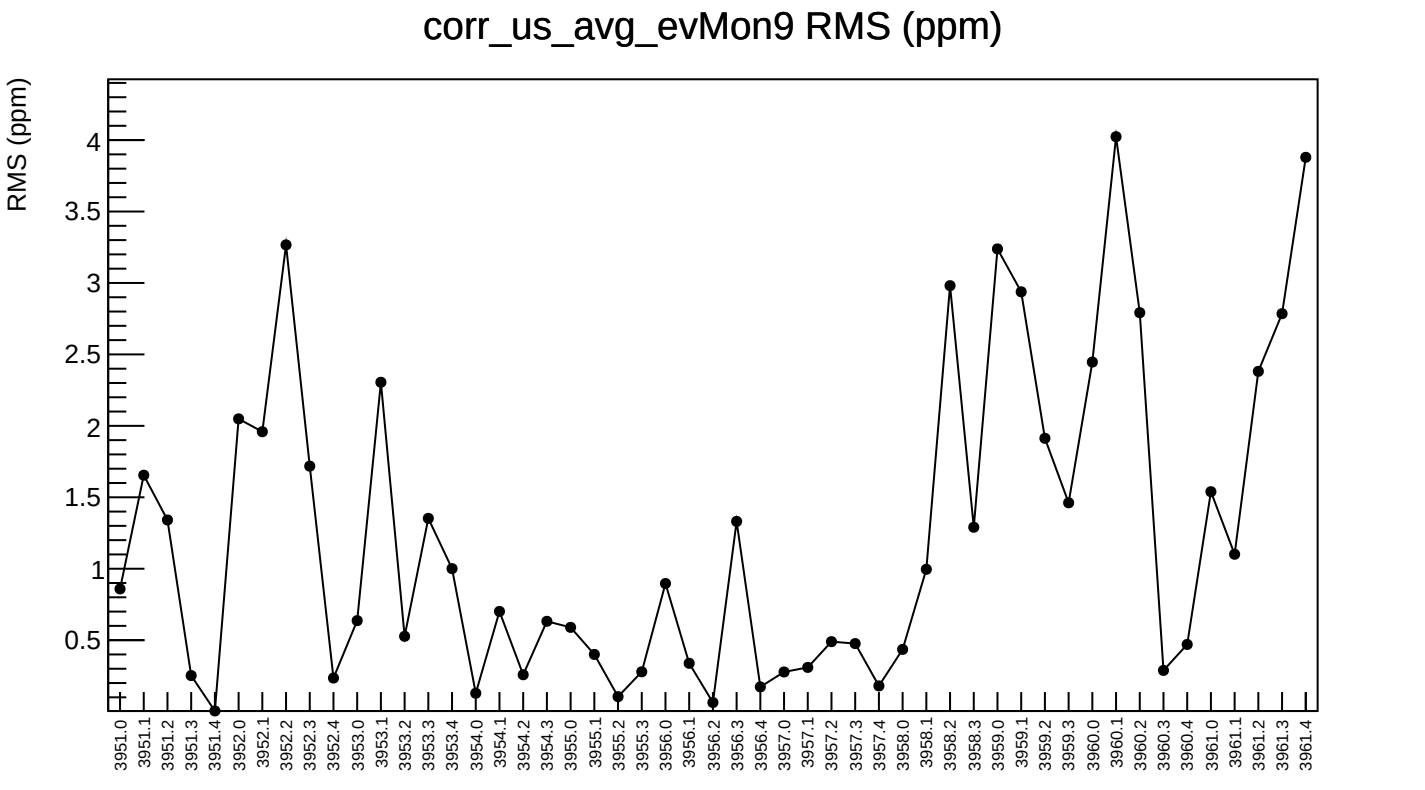

corr_us_avg_evMon7 RMS (ppm)
RMS (ppm)
12
11
10
9
8
7
6
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

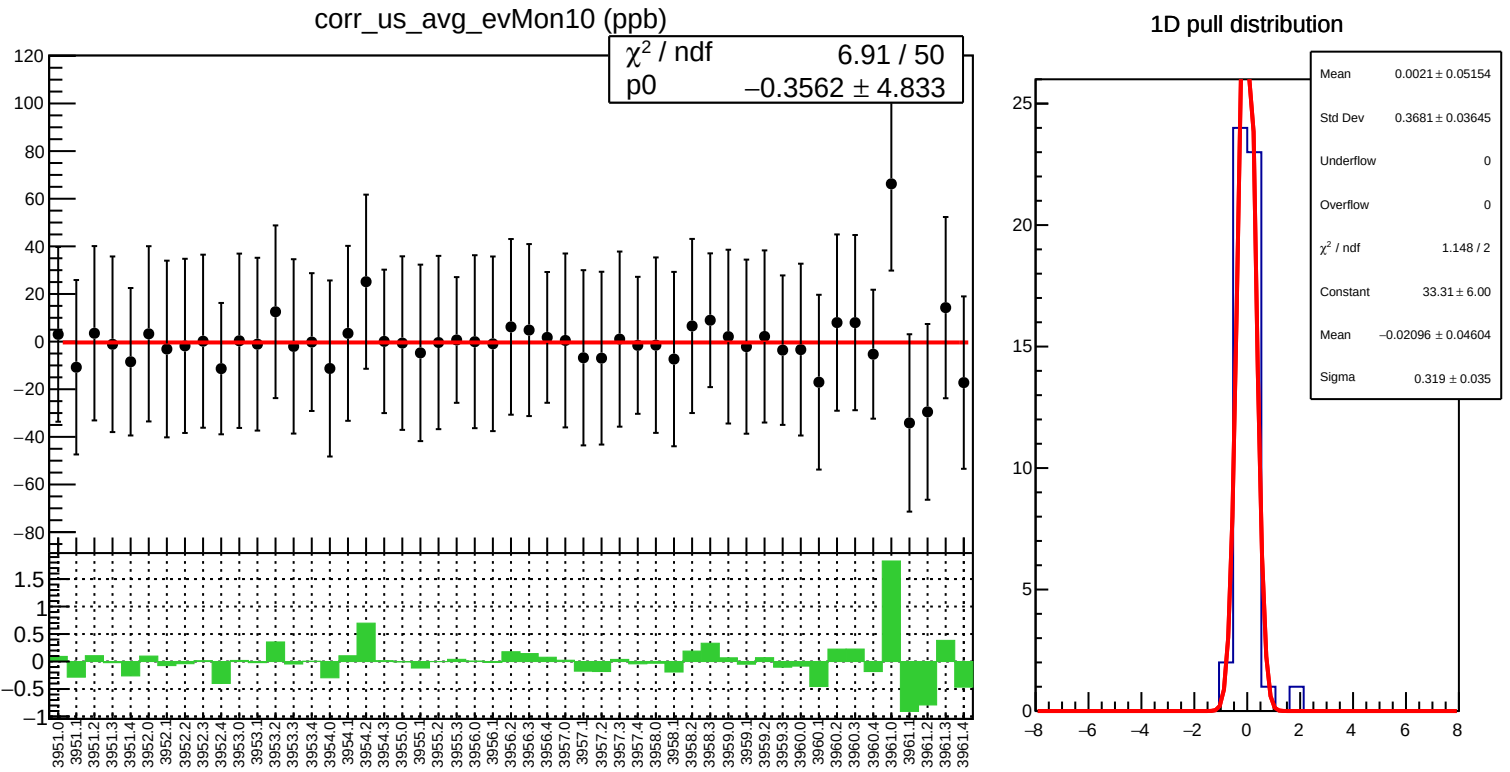

corr_us_avg_evMon8 (ppb)
χ² / ndf 14.37 / 50
p0 5.457 ± 5.645
1D pull distribution
Mean 0.009139 ± 0.07431
Std Dev 0.5306 ± 0.05254
Underflow 0
Overflow 0
χ² / ndf 4.451 / 4
Constant 27.93 ± 5.61
Mean −0.07913 ± 0.05497
Sigma 0.3547 ± 0.0486

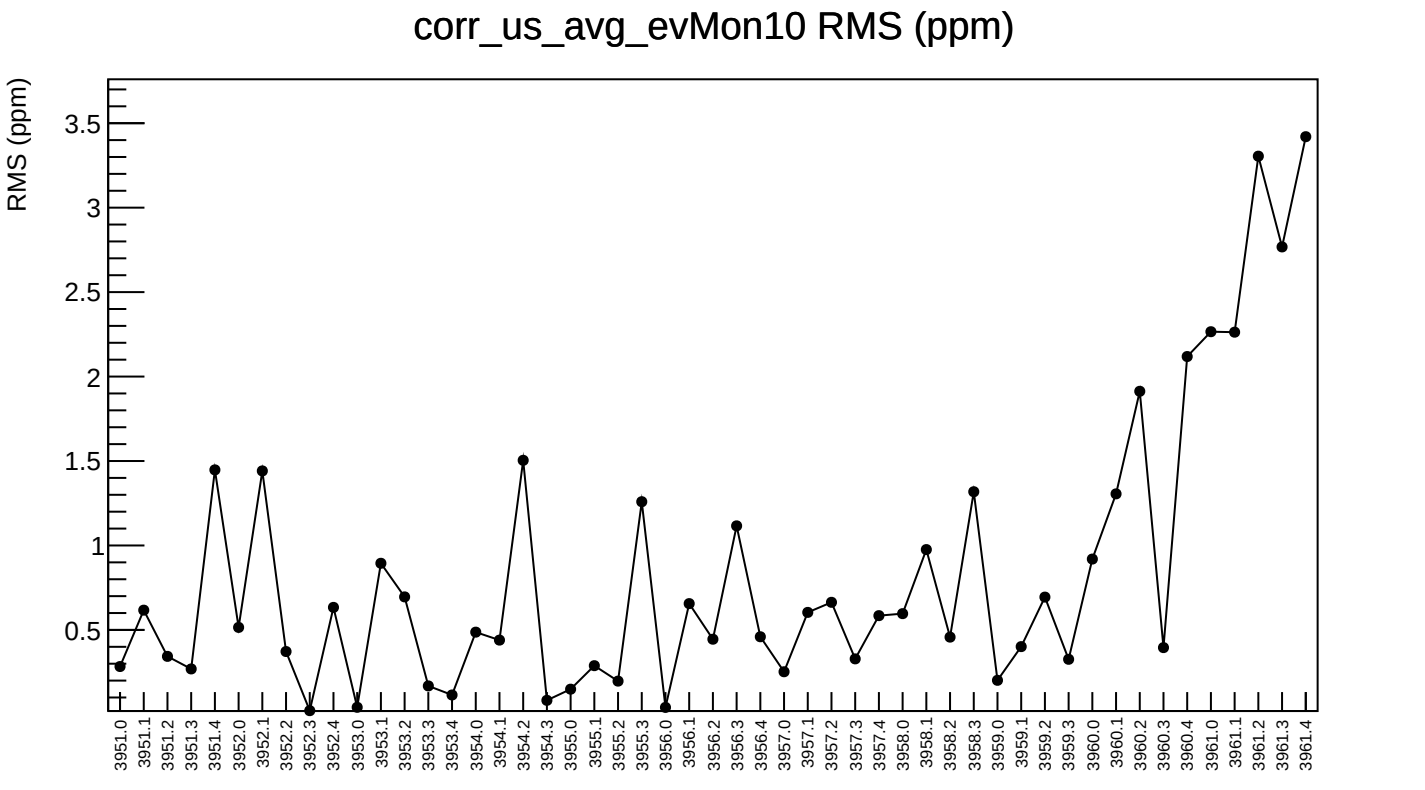

corr_us_avg_evMon8 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

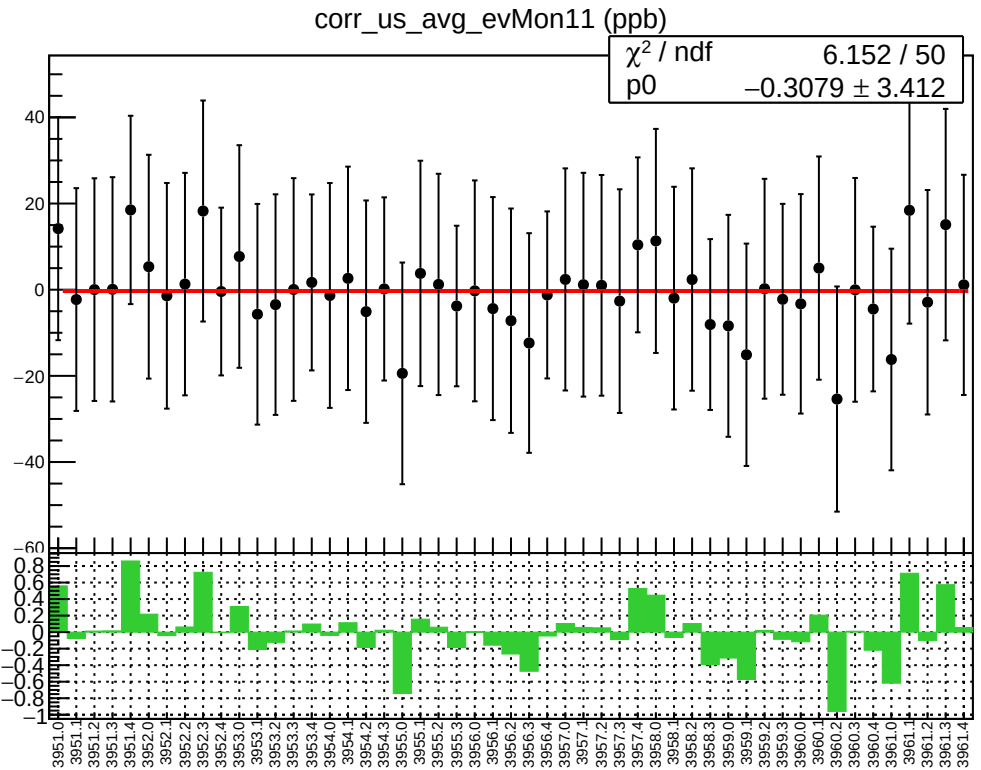

corr_us_avg_evMon9 (ppb)
χ² / ndf 21.06 / 50
p0 0.3818 ± 3.972

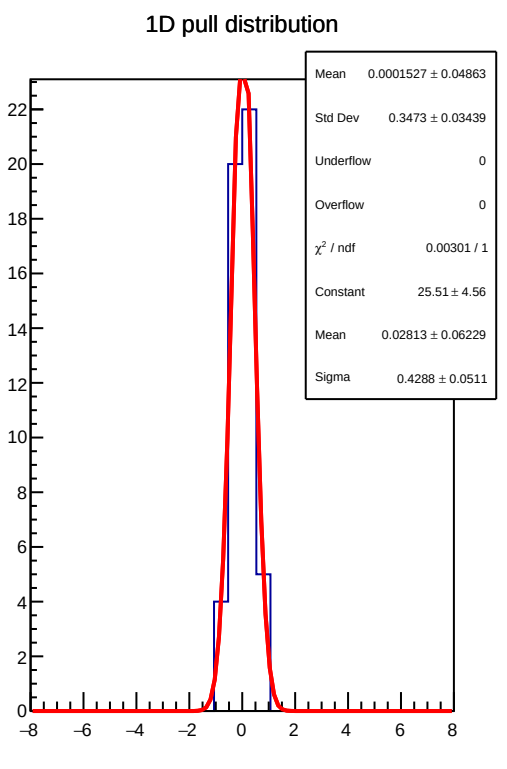

1D pull distribution
Mean 0.002585 ± 0.08998
Std Dev 0.6426 ± 0.06363
Underflow 0
Overflow 0
χ² / ndf 5.6 / 5
Constant 21.14 ± 4.59
Mean −0.02636 ± 0.07014
Sigma 0.457 ± 0.072

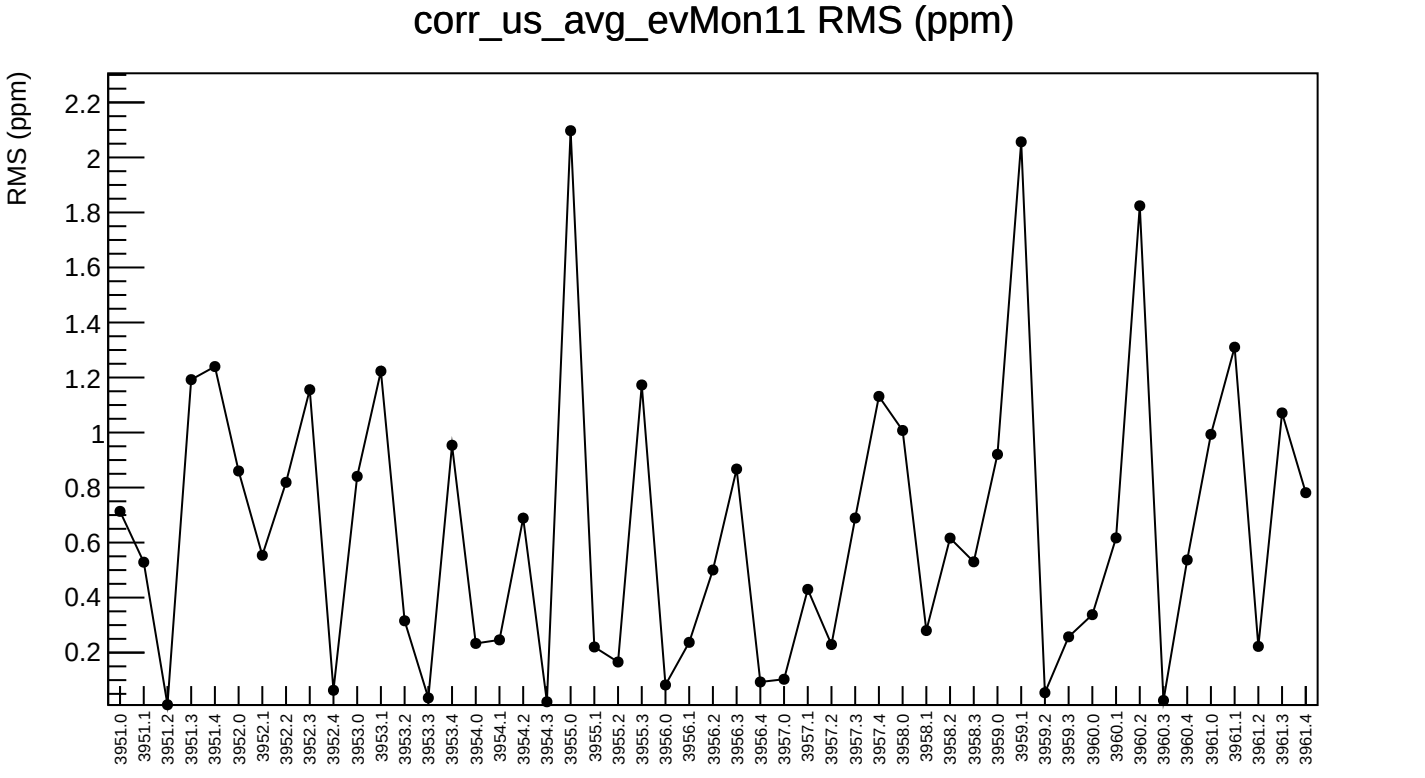

corr_us_avg_evMon9 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

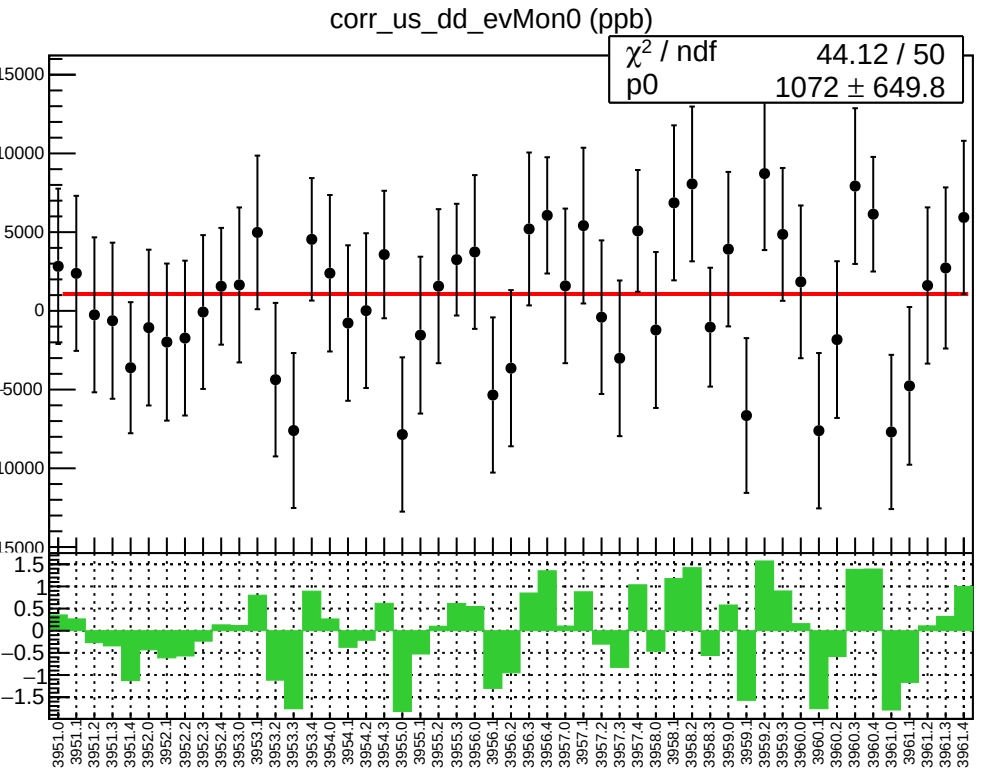

corr_us_avg_evMon10 (ppb)
χ² / ndf 6.91 / 50
p0 −0.3562 ± 4.833
1D pull distribution
Mean 0.0021 ± 0.05154
Std Dev 0.3681 ± 0.03645
Underflow 0
Overflow 0
χ² / ndf 1.148 / 2
Constant 33.31 ± 6.00
Mean −0.02096 ± 0.04604
Sigma 0.319 ± 0.035

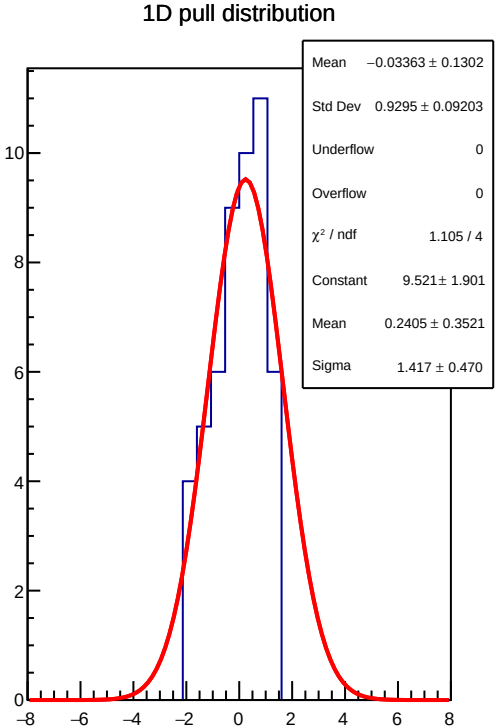

corr_us_avg_evMon10 RMS (ppm)
RMS (ppm)
3.5
3
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

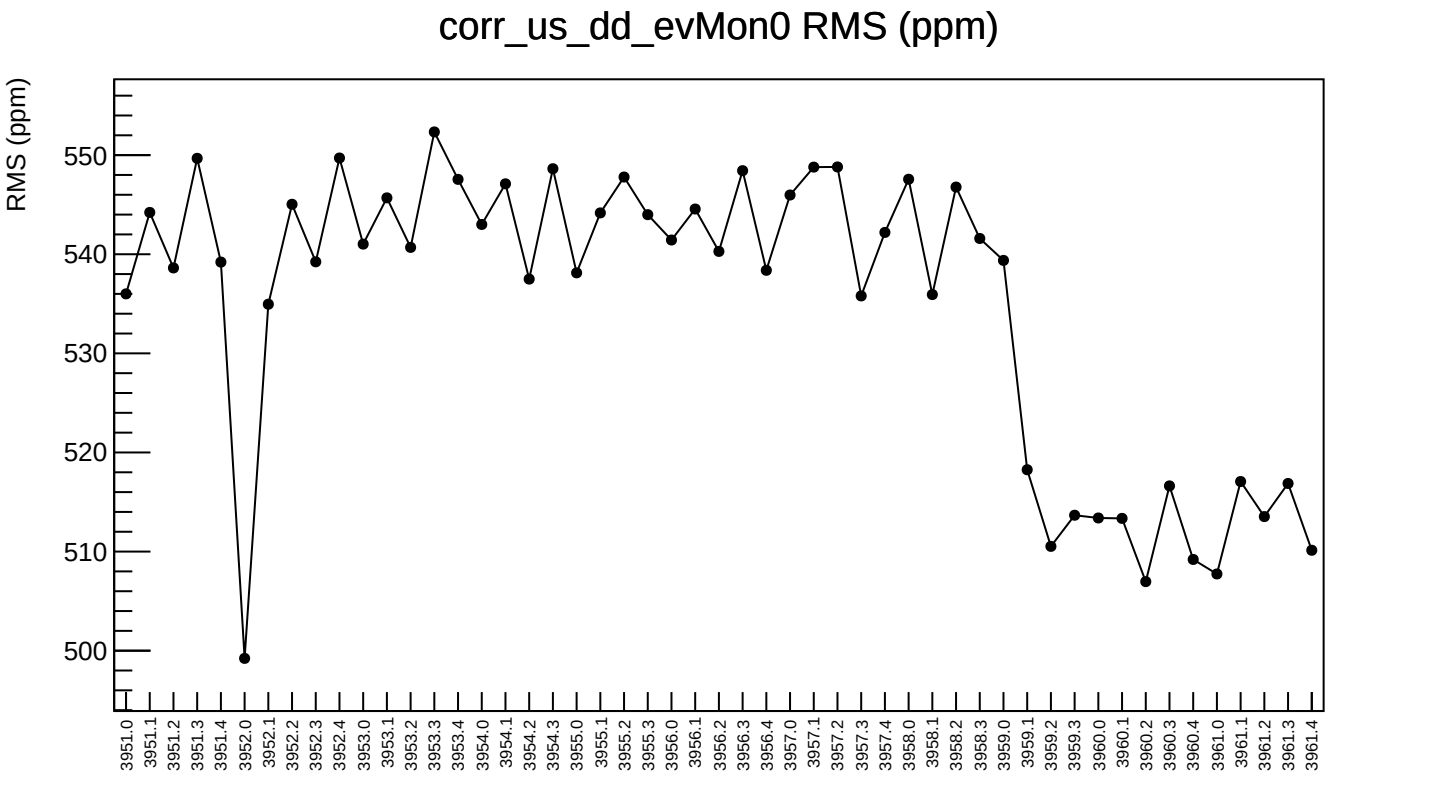

corr_us_avg_evMon11 (ppb)
χ² / ndf 6.152 / 50
p0 −0.3079 ± 3.412

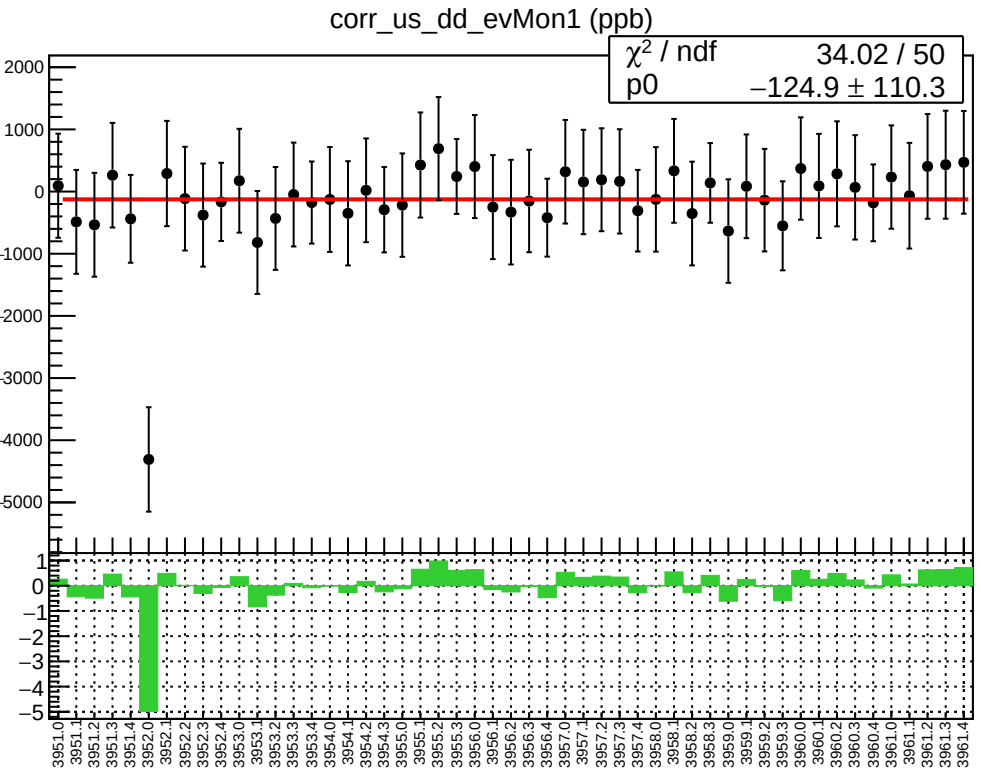

1D pull distribution
Mean 0.0001527 ± 0.04863
Std Dev 0.3473 ± 0.03439
Underflow 0
Overflow 0
χ² / ndf 0.00301 / 1
Constant 25.51 ± 4.56
Mean 0.02813 ± 0.06229
Sigma 0.4288 ± 0.0511

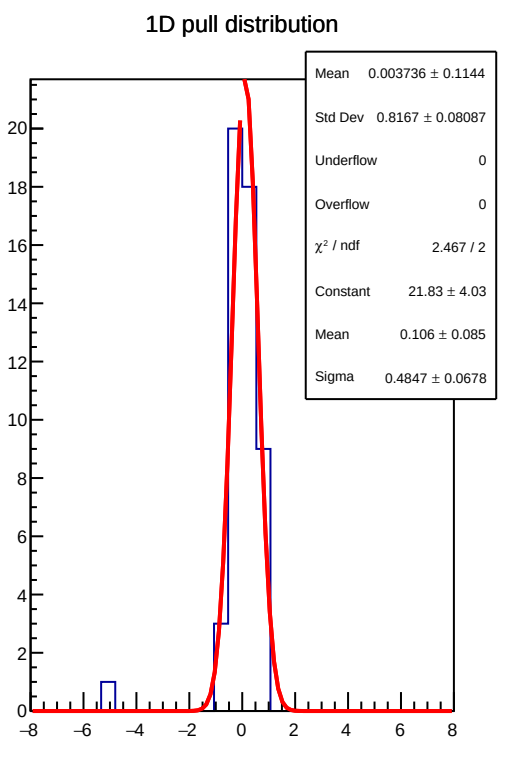

corr_us_avg_evMon11 RMS (ppm)
RMS (ppm)
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

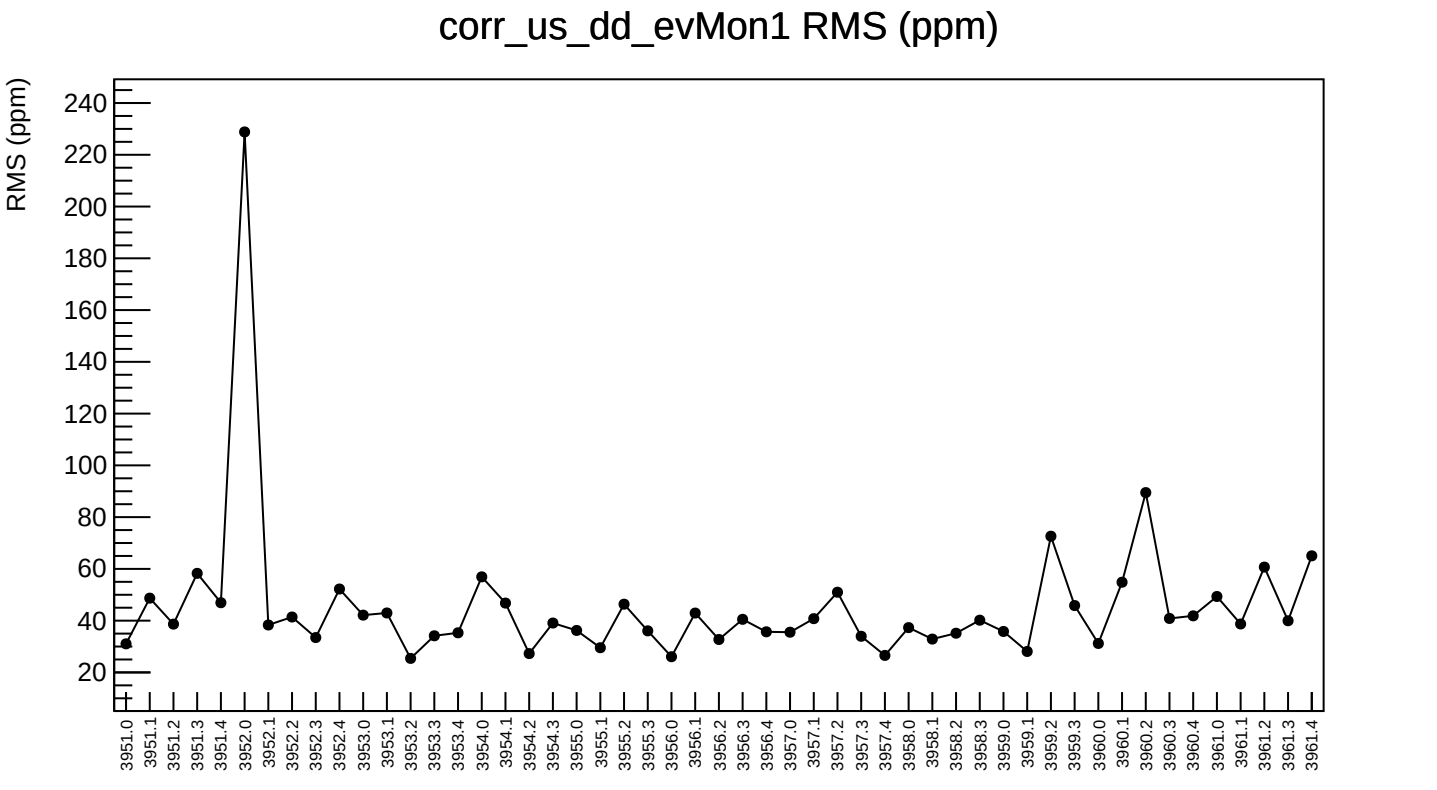

corr_us_dd_evMon0 (ppb)
χ² / ndf 44.12 / 50
p0 1072 ± 649.8
15000
10000
5000
0
-5000
-10000
-15000
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

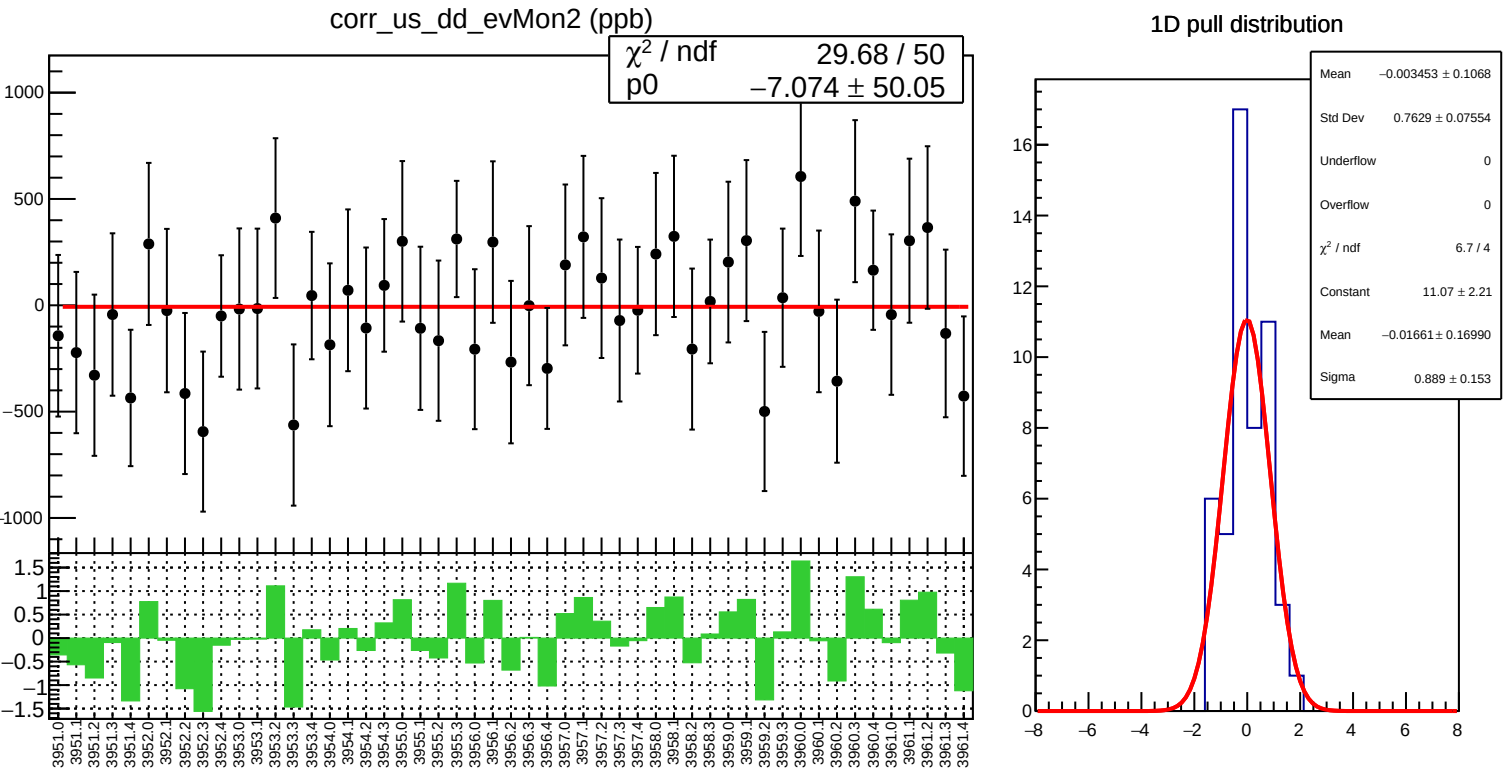

1D pull distribution
Mean −0.03363 ± 0.1302
Std Dev 0.9295 ± 0.09203
Underflow 0
Overflow 0
χ² / ndf 1.105 / 4
Constant 9.521± 1.901
Mean 0.2405 ± 0.3521
Sigma 1.417 ± 0.470
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

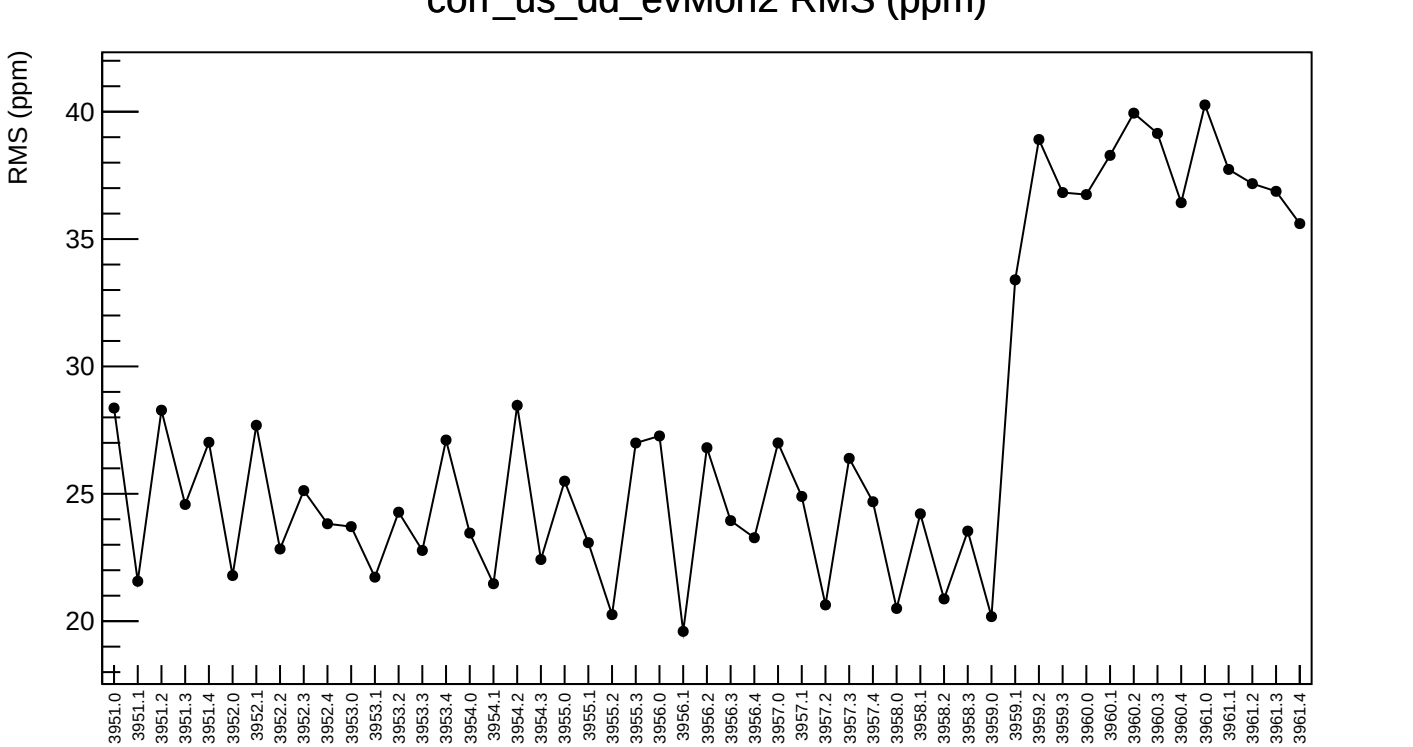

corr_us_dd_evMon0 RMS (ppm)
RMS (ppm)
550
540
530
520
510
500
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

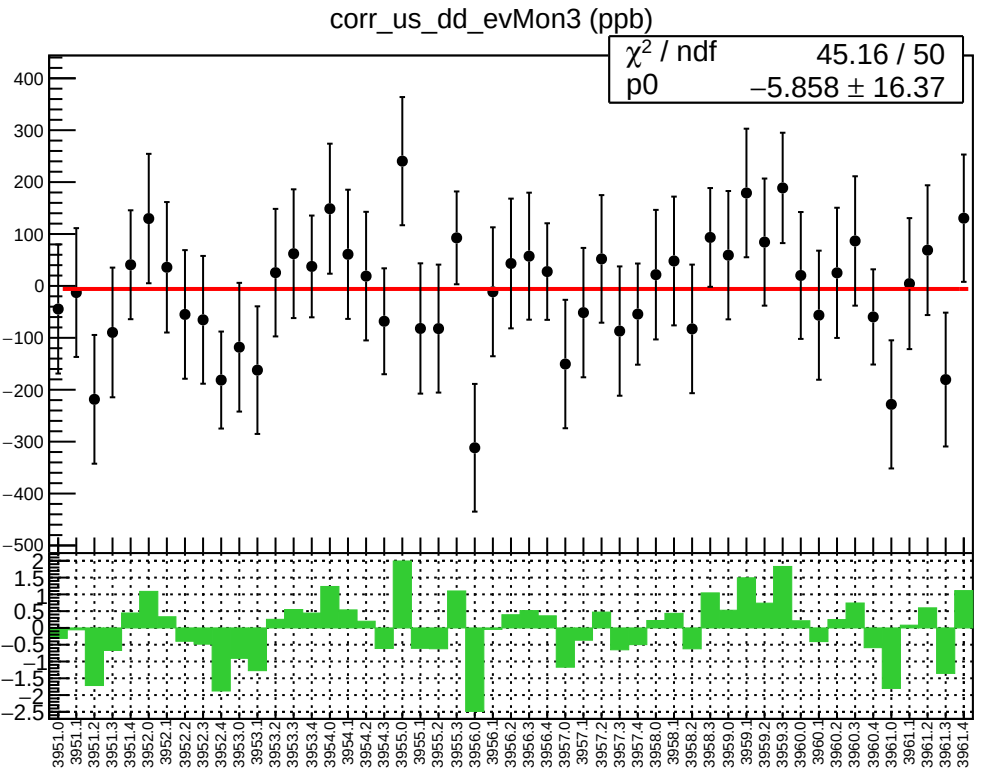

corr_us_dd_evMon1 (ppb)
χ² / ndf 34.02 / 50
p0 −124.9 ± 110.3
2000
1000
0
-1000
-2000
-3000
-4000
-5000
1
0
−1
−2
−3
−4
−5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

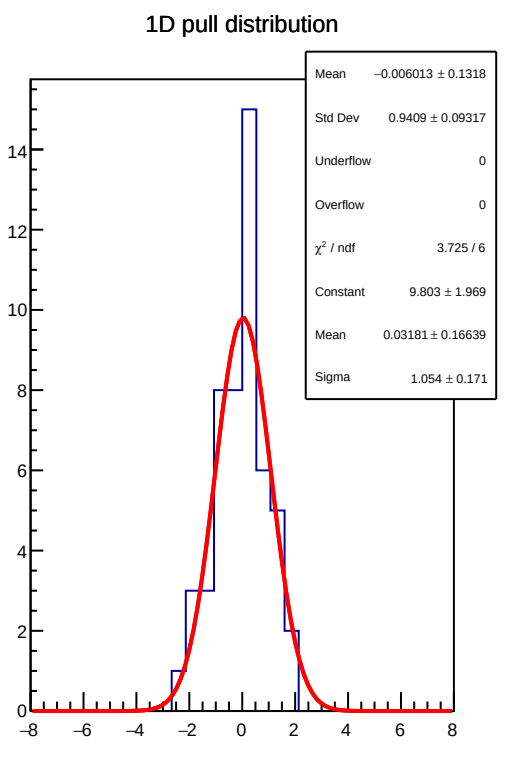

1D pull distribution
Mean 0.003736 ± 0.1144
Std Dev 0.8167 ± 0.08087
Underflow 0
Overflow 0
χ² / ndf 2.467 / 2
Constant 21.83 ± 4.03
Mean 0.106 ± 0.085
Sigma 0.4847 ± 0.0678
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

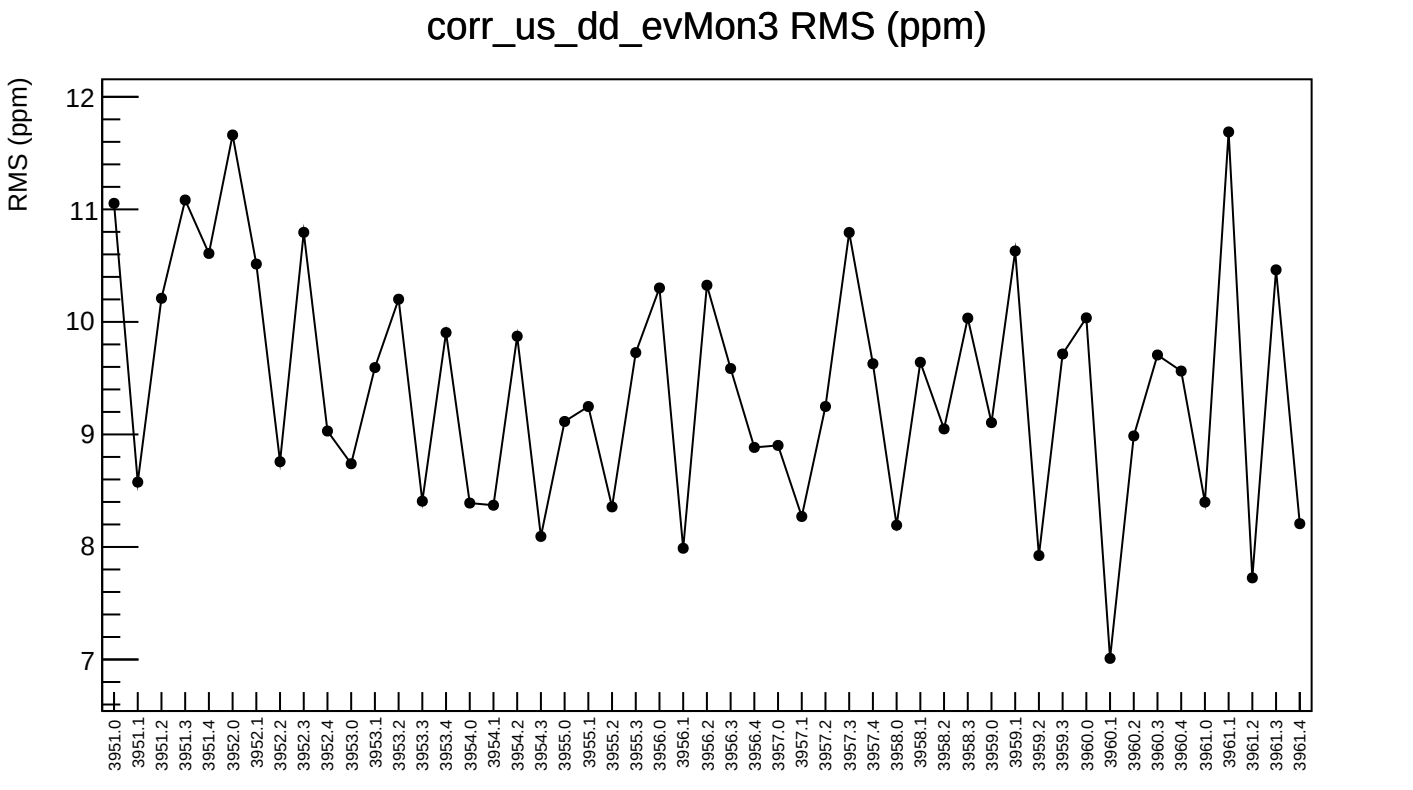

corr_us_dd_evMon1 RMS (ppm)
RMS (ppm)
240
220
200
180
160
140
120
100
80
60
40
20
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

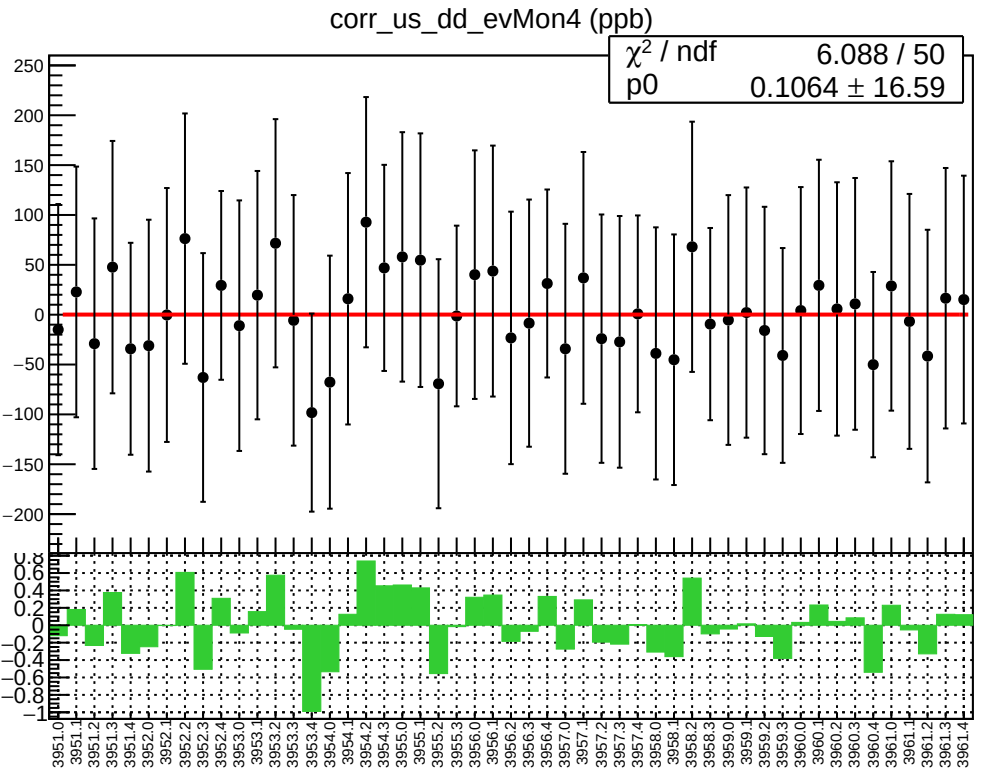

corr_us_dd_evMon2 (ppb)
χ² / ndf 29.68 / 50
p0 −7.074 ± 50.05
1000
500
0
−500
−1000
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
1D pull distribution
Mean −0.003453 ± 0.1068
Std Dev 0.7629 ± 0.07554
Underflow 0
Overflow 0
χ² / ndf 6.7 / 4
Constant 11.07 ± 2.21
Mean −0.01661 ± 0.16990
Sigma 0.889 ± 0.153
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

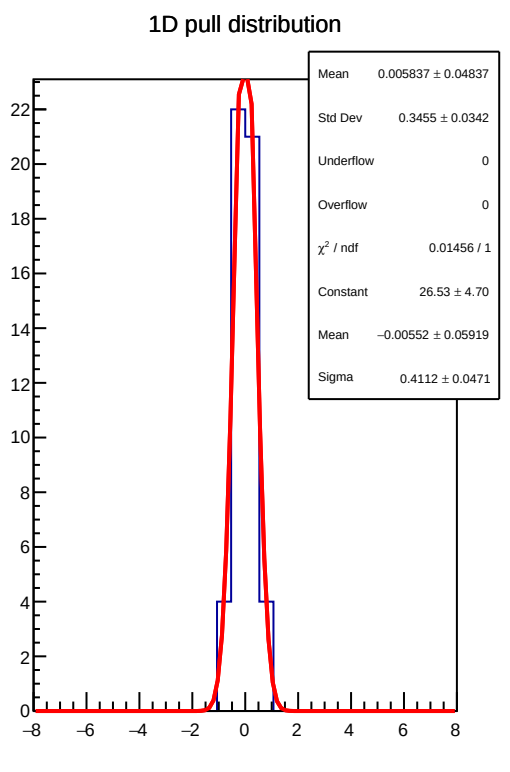

corr_us_dd_evMon2 RMS (ppm)
RMS (ppm)
40
35
30
25
20
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

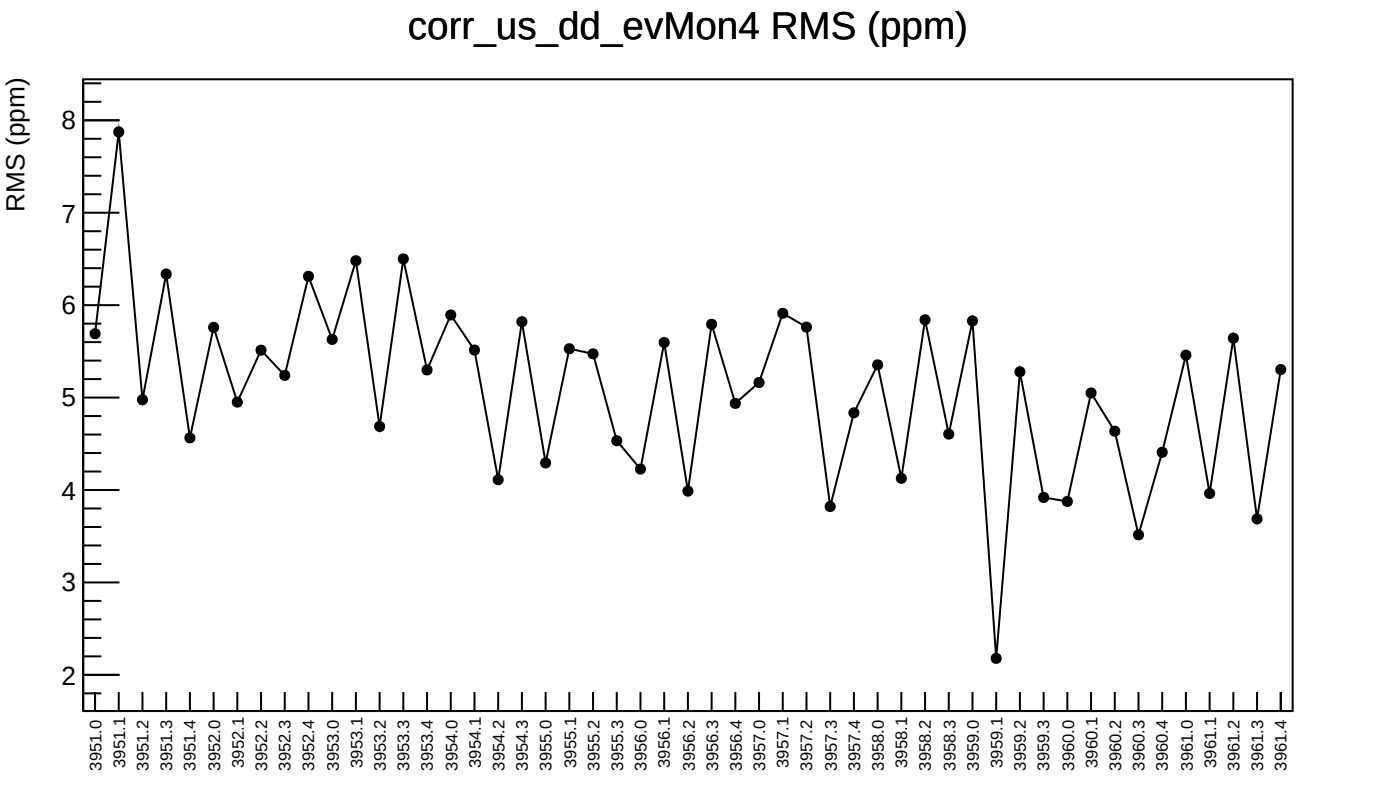

corr_us_dd_evMon3 (ppb)
χ² / ndf 45.16 / 50
p0 −5.858 ± 16.37

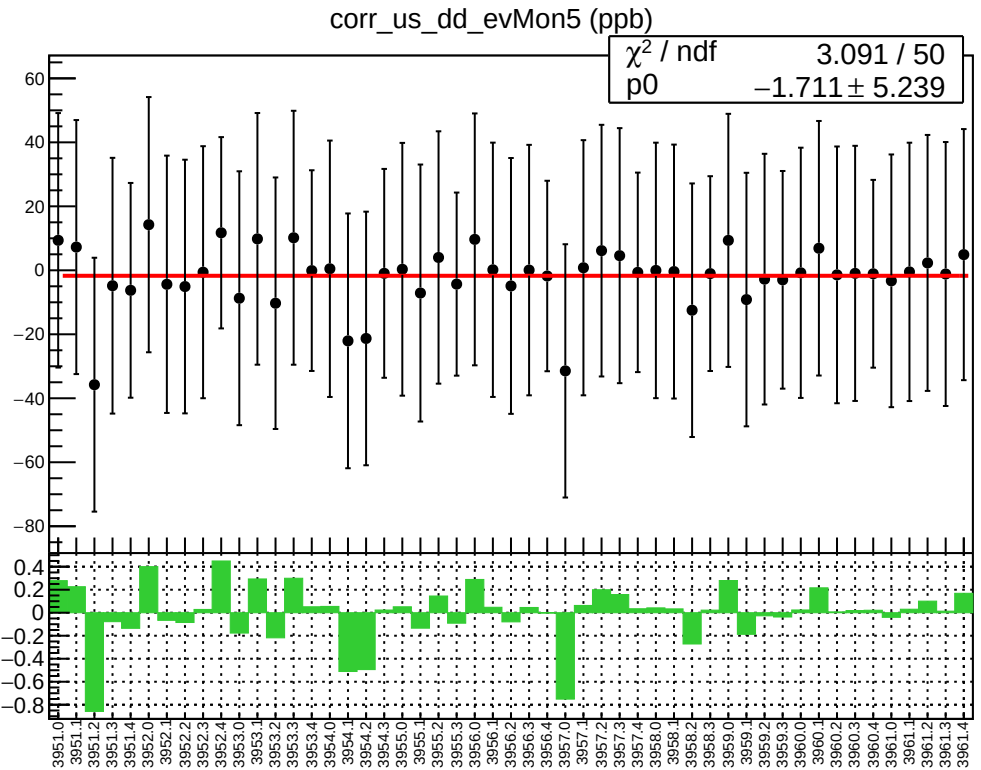

1D pull distribution
Mean −0.006013 ± 0.1318
Std Dev 0.9409 ± 0.09317
Underflow 0
Overflow 0
χ² / ndf 3.725 / 6
Constant 9.803 ± 1.969
Mean 0.03181 ± 0.16639
Sigma 1.054 ± 0.171

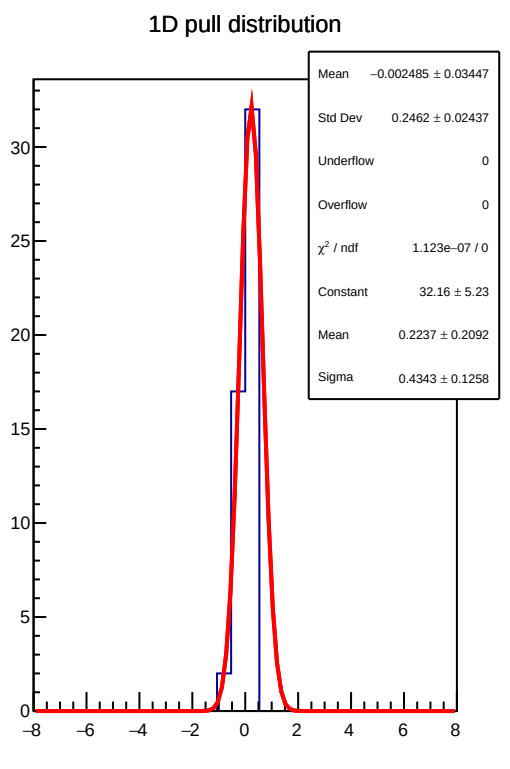

corr_us_dd_evMon3 RMS (ppm)
RMS (ppm)
12
11
10
9
8
7
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

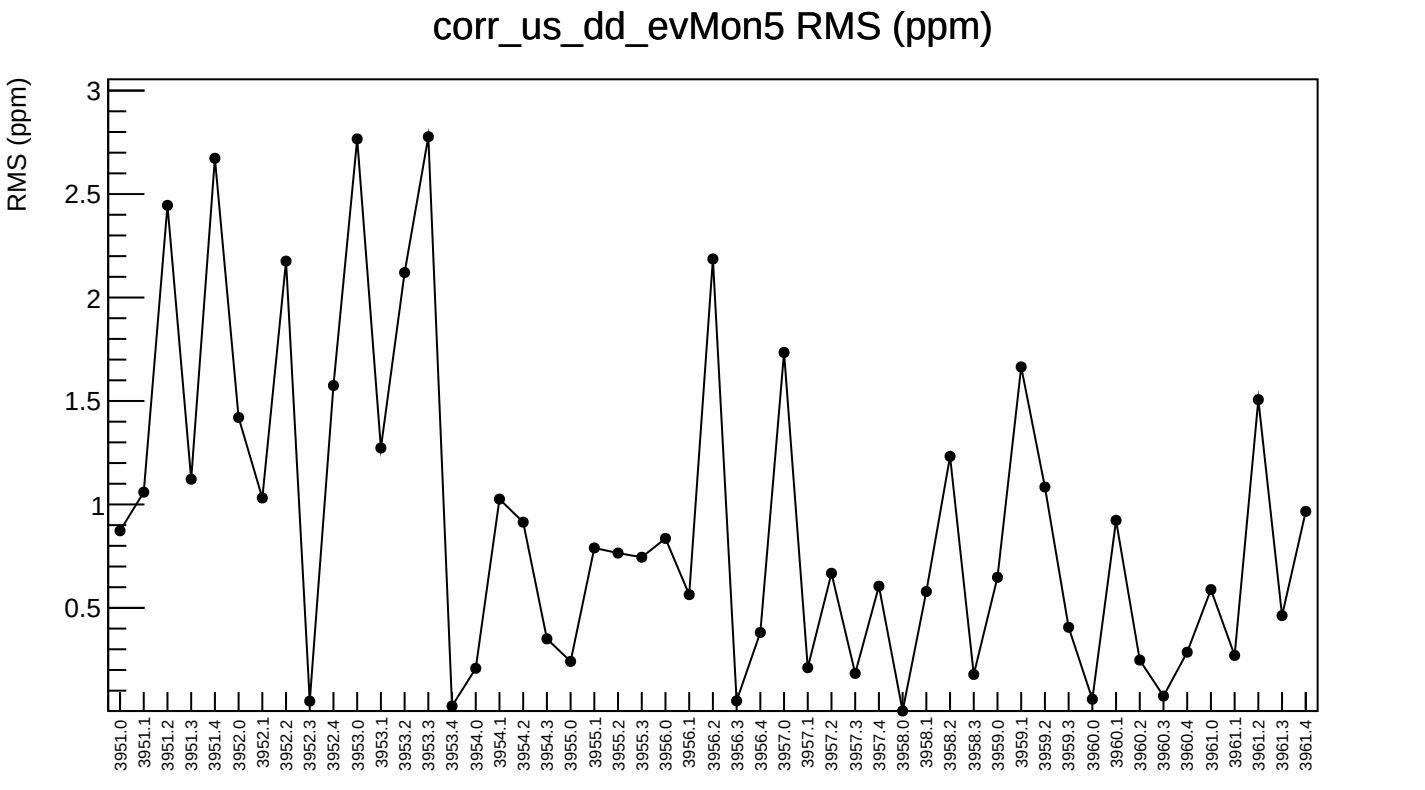

corr_us_dd_evMon4 (ppb)
χ² / ndf 6.088 / 50
p0 0.1064 ± 16.59

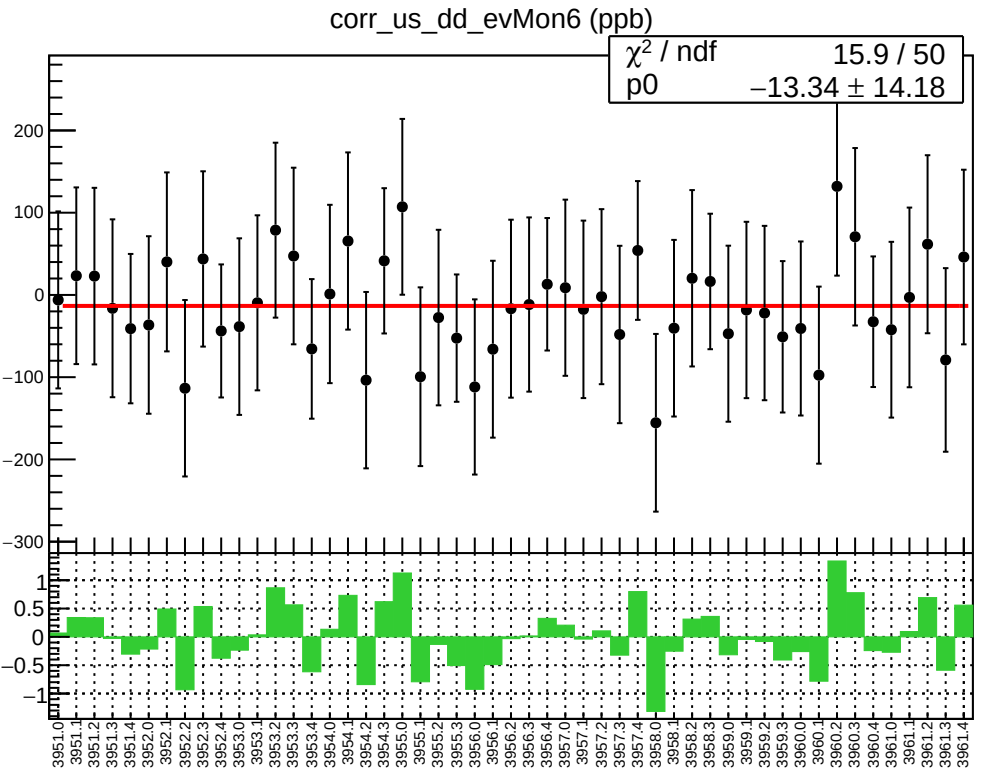

1D pull distribution
Mean 0.005837 ± 0.04837
Std Dev 0.3455 ± 0.0342
Underflow 0
Overflow 0
χ² / ndf 0.01456 / 1
Constant 26.53 ± 4.70
Mean −0.00552 ± 0.05919
Sigma 0.4112 ± 0.0471

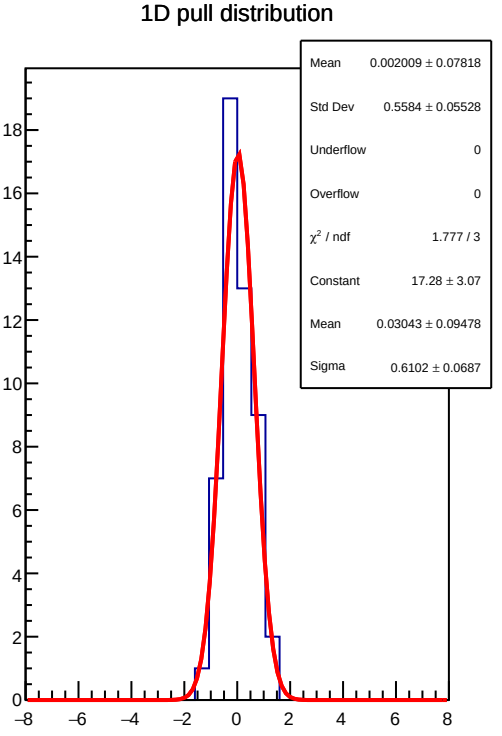

corr_us_dd_evMon4 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

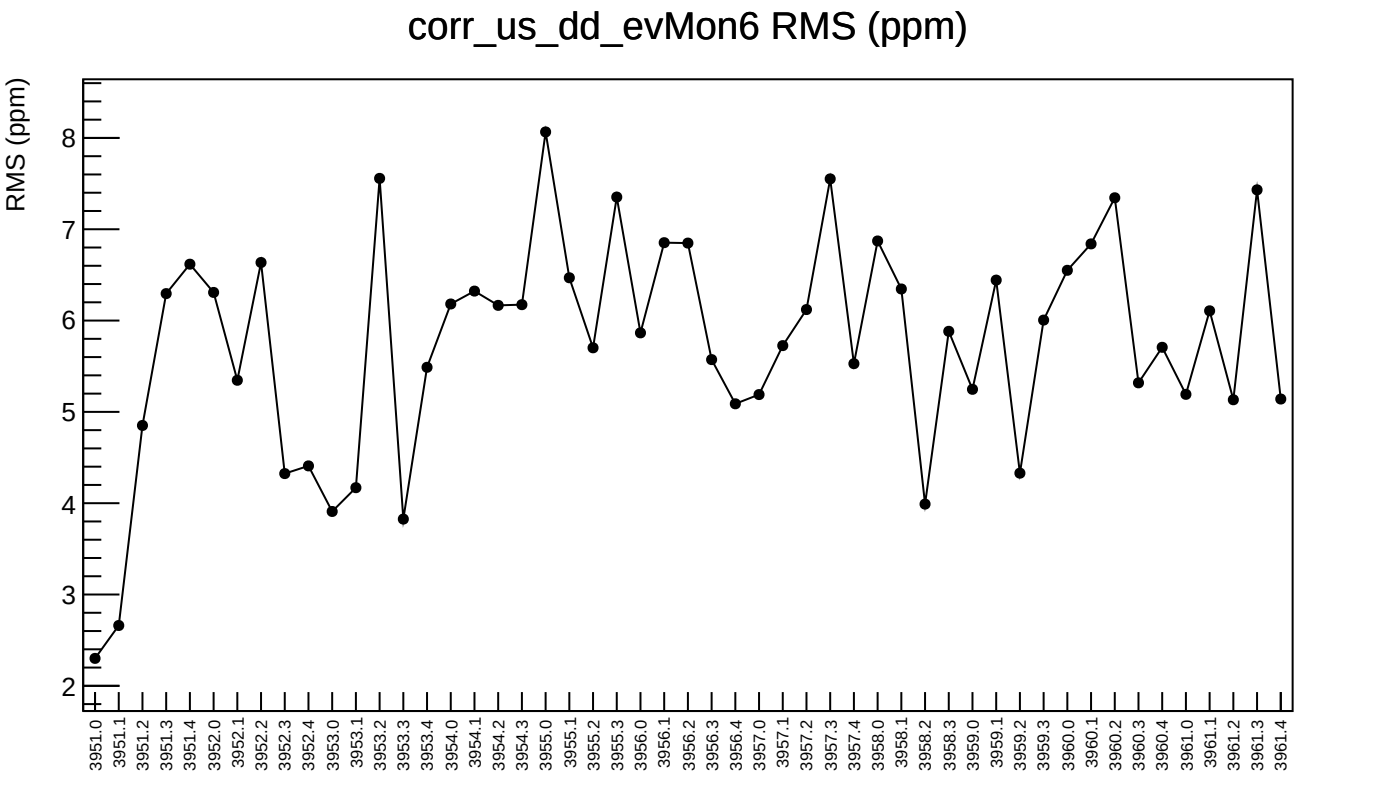

corr_us_dd_evMon5 (ppb)
χ² / ndf 3.091 / 50
p0 −1.711 ± 5.239

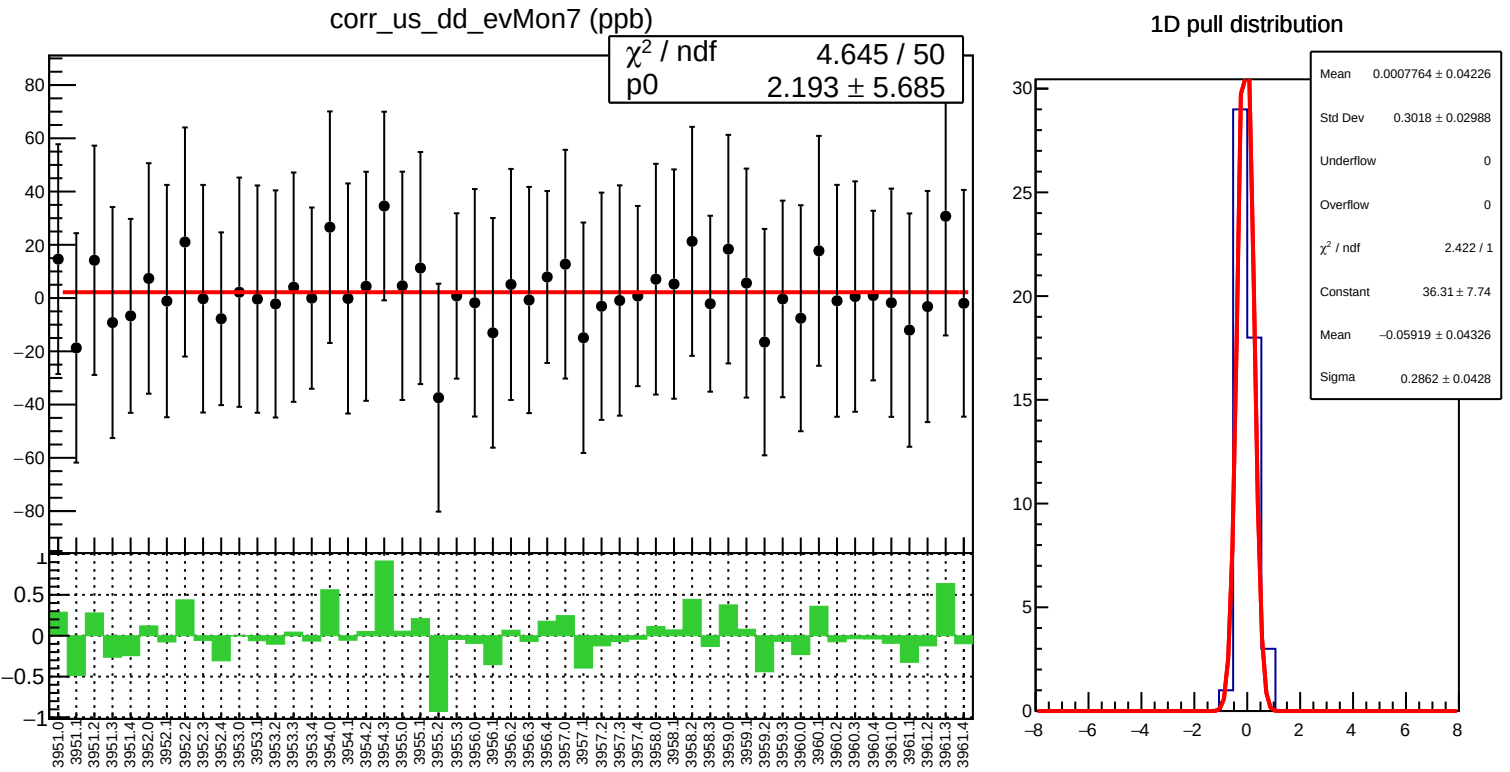

1D pull distribution
Mean −0.002485 ± 0.03447
Std Dev 0.2462 ± 0.02437
Underflow 0
Overflow 0
χ² / ndf 1.123e−07 / 0
Constant 32.16 ± 5.23
Mean 0.2237 ± 0.2092
Sigma 0.4343 ± 0.1258

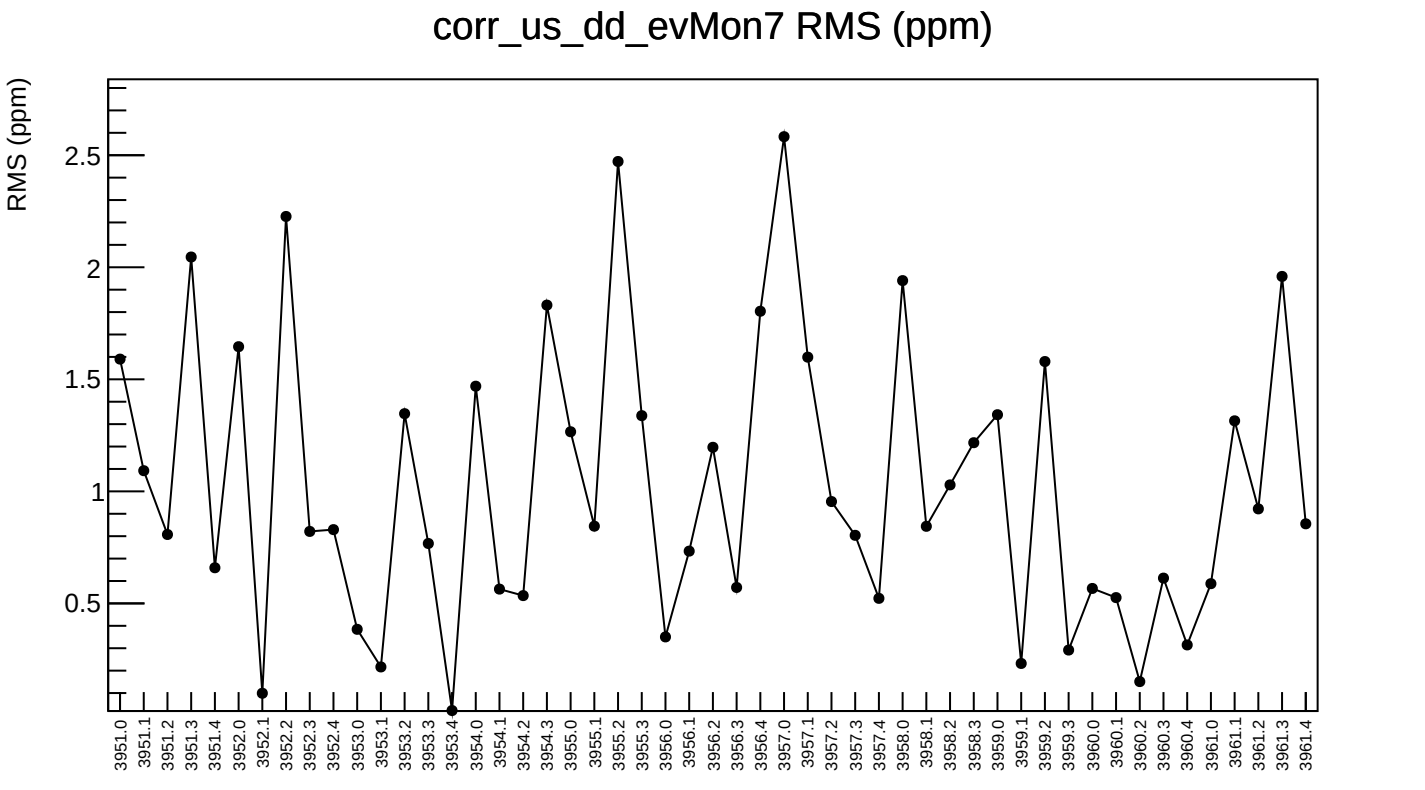

corr_us_dd_evMon5 RMS (ppm)
RMS (ppm)
3
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

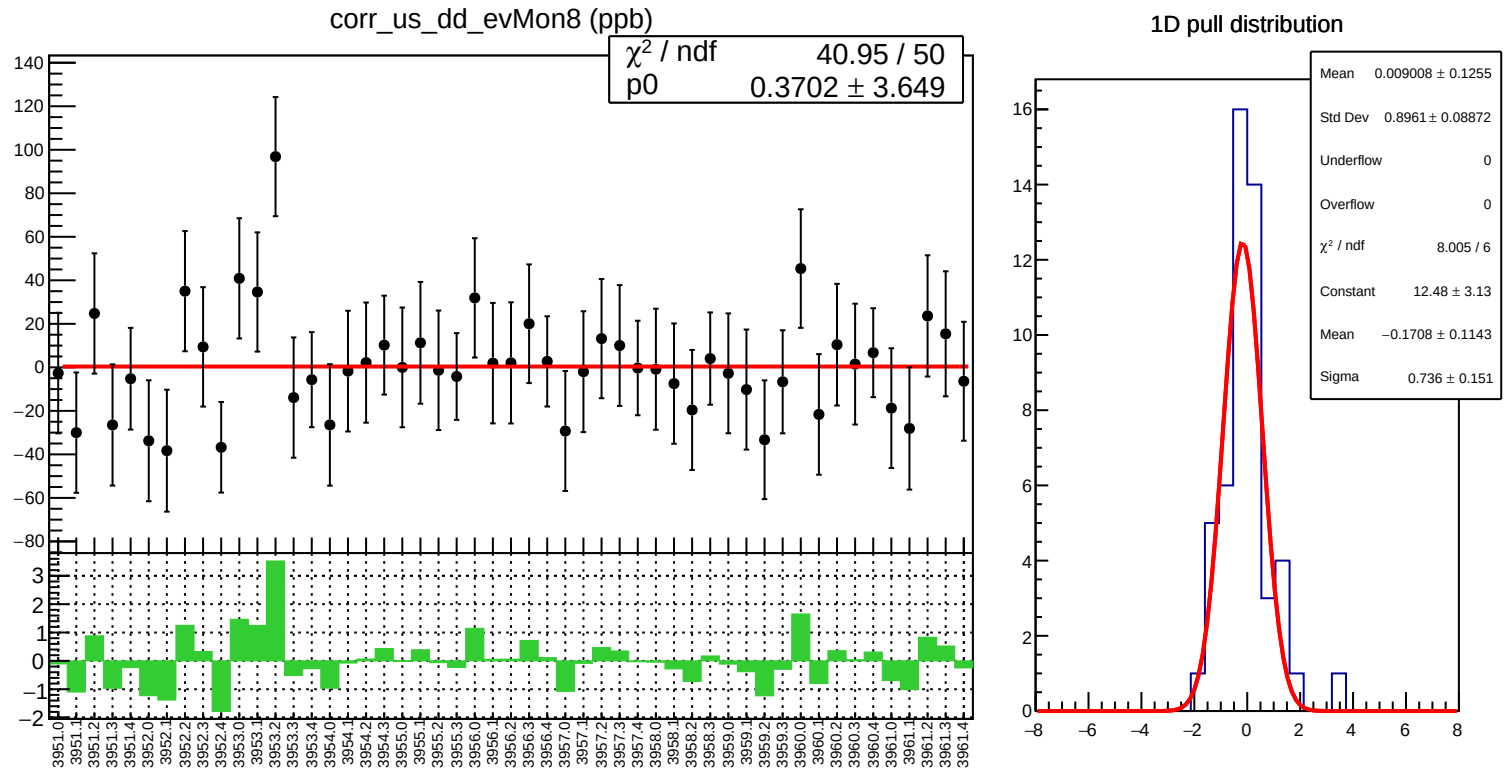

corr_us_dd_evMon6 (ppb)
χ² / ndf 15.9 / 50
p0 −13.34 ± 14.18
200
100
0
−100
−200
−300
1
0.5
0
−0.5
−1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

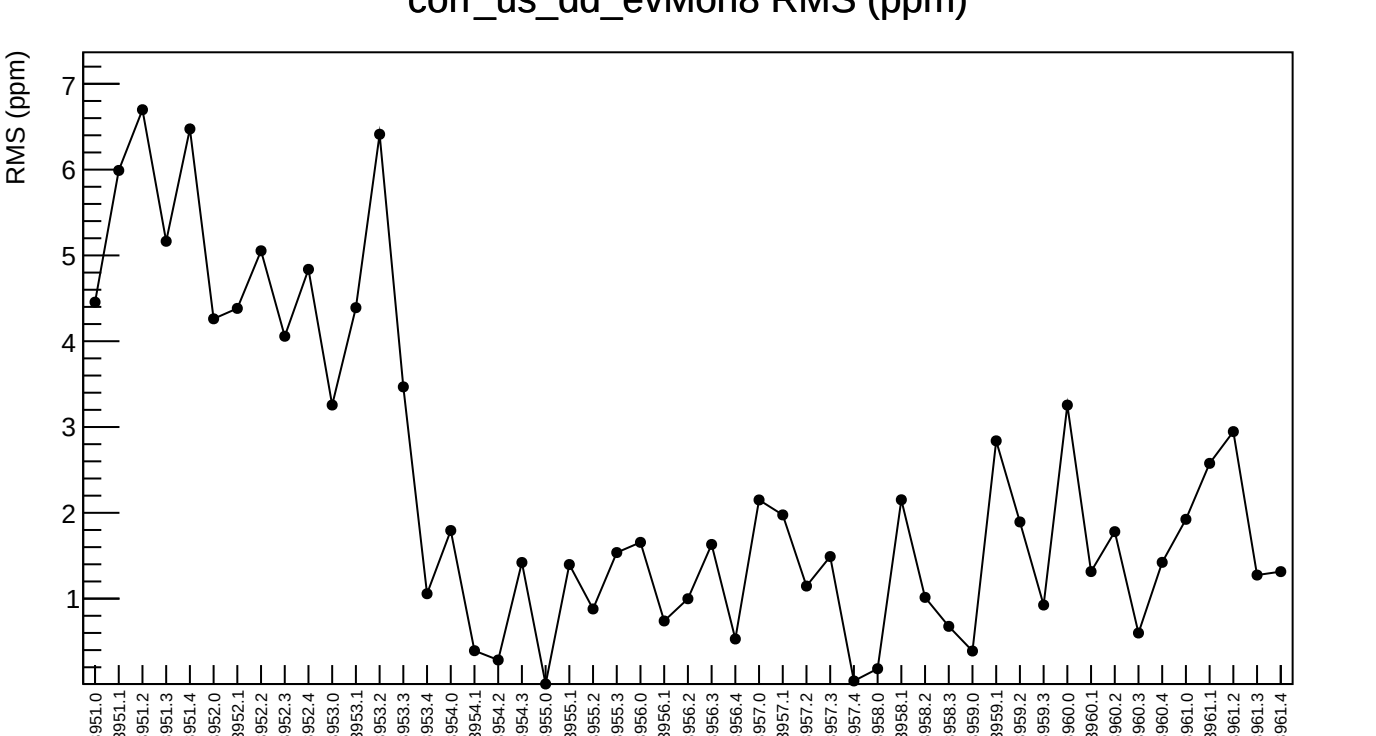

1D pull distribution
Mean 0.002009 ± 0.07818
Std Dev 0.5584 ± 0.05528
Underflow 0
Overflow 0
χ² / ndf 1.777 / 3
Constant 17.28 ± 3.07
Mean 0.03043 ± 0.09478
Sigma 0.6102 ± 0.0687
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

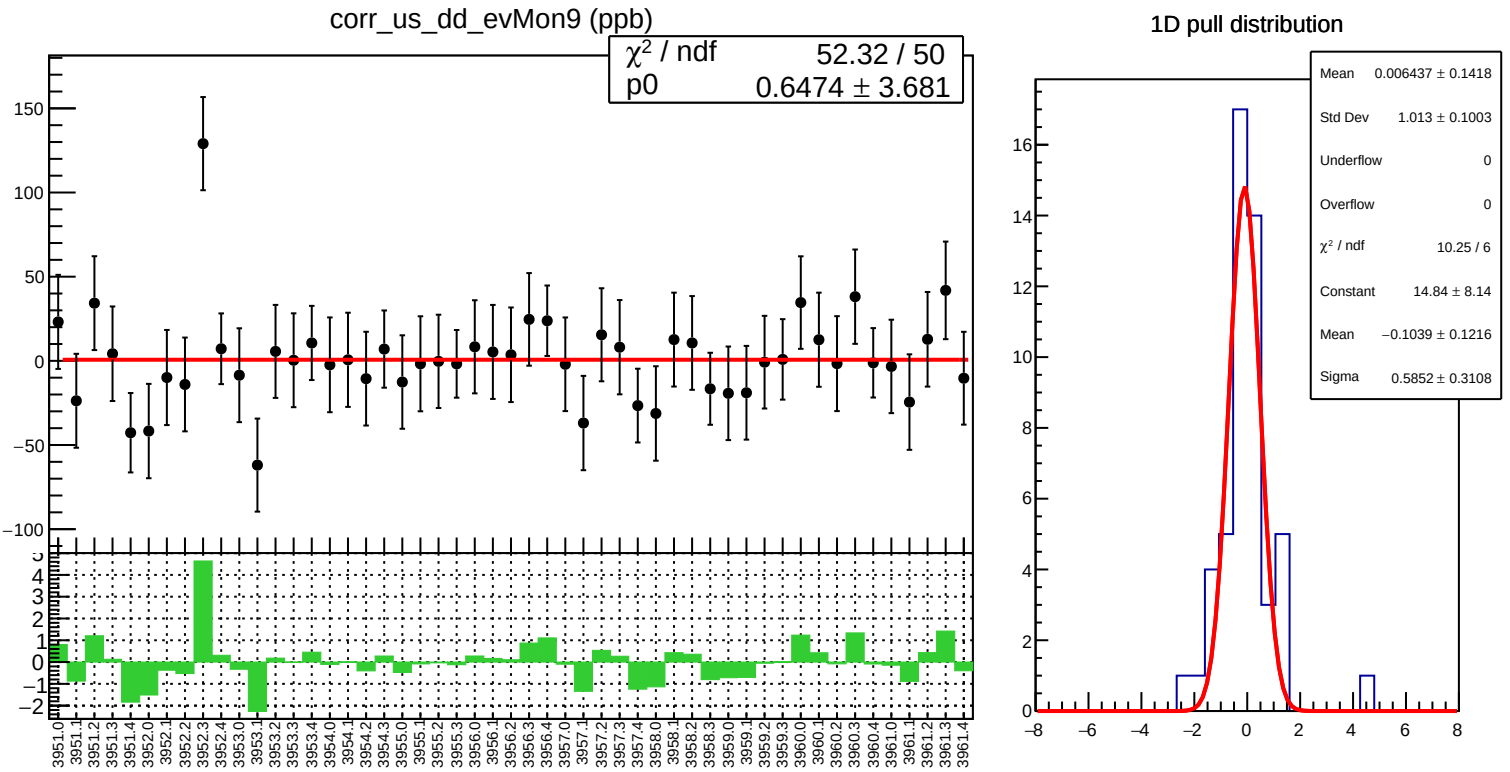

corr_us_dd_evMon6 RMS (ppm)
RMS (ppm)
2
3
4
5
6
7
8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

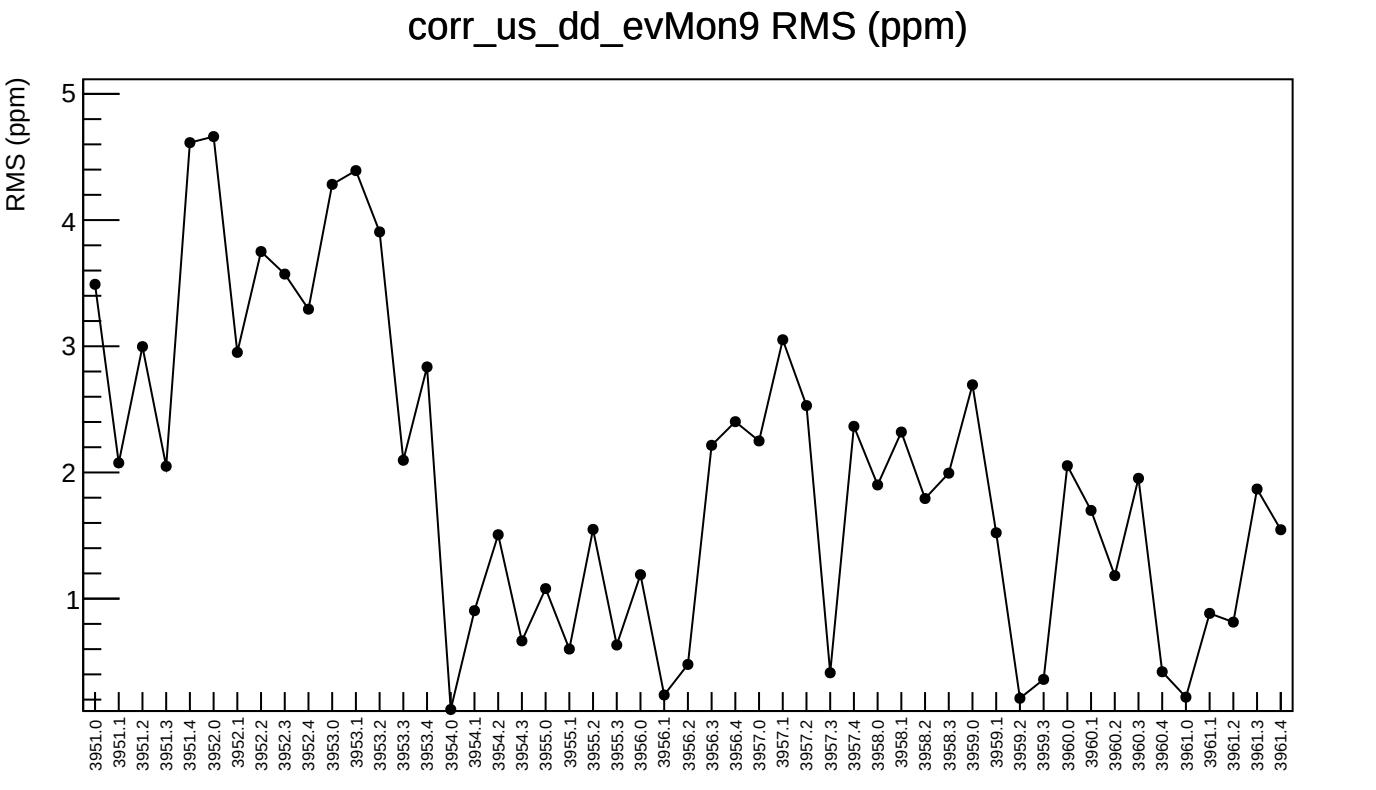

corr_us_dd_evMon7 (ppb)
χ² / ndf 4.645 / 50
p0 2.193 ± 5.685
1D pull distribution
Mean 0.0007764 ± 0.04226
Std Dev 0.3018 ± 0.02988
Underflow 0
Overflow 0
χ² / ndf 2.422 / 1
Constant 36.31 ± 7.74
Mean −0.05919 ± 0.04326
Sigma 0.2862 ± 0.0428

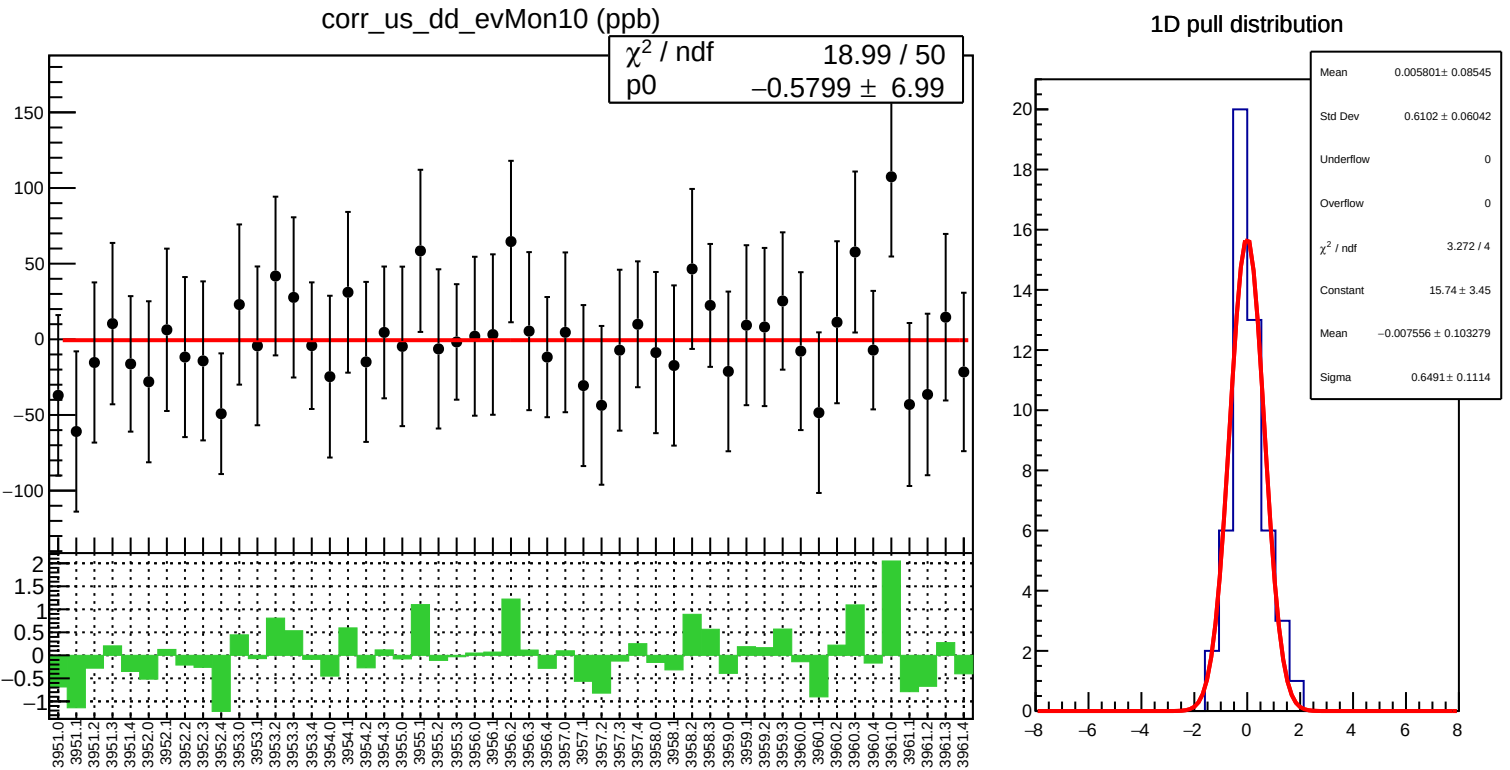

corr_us_dd_evMon7 RMS (ppm)
RMS (ppm)
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

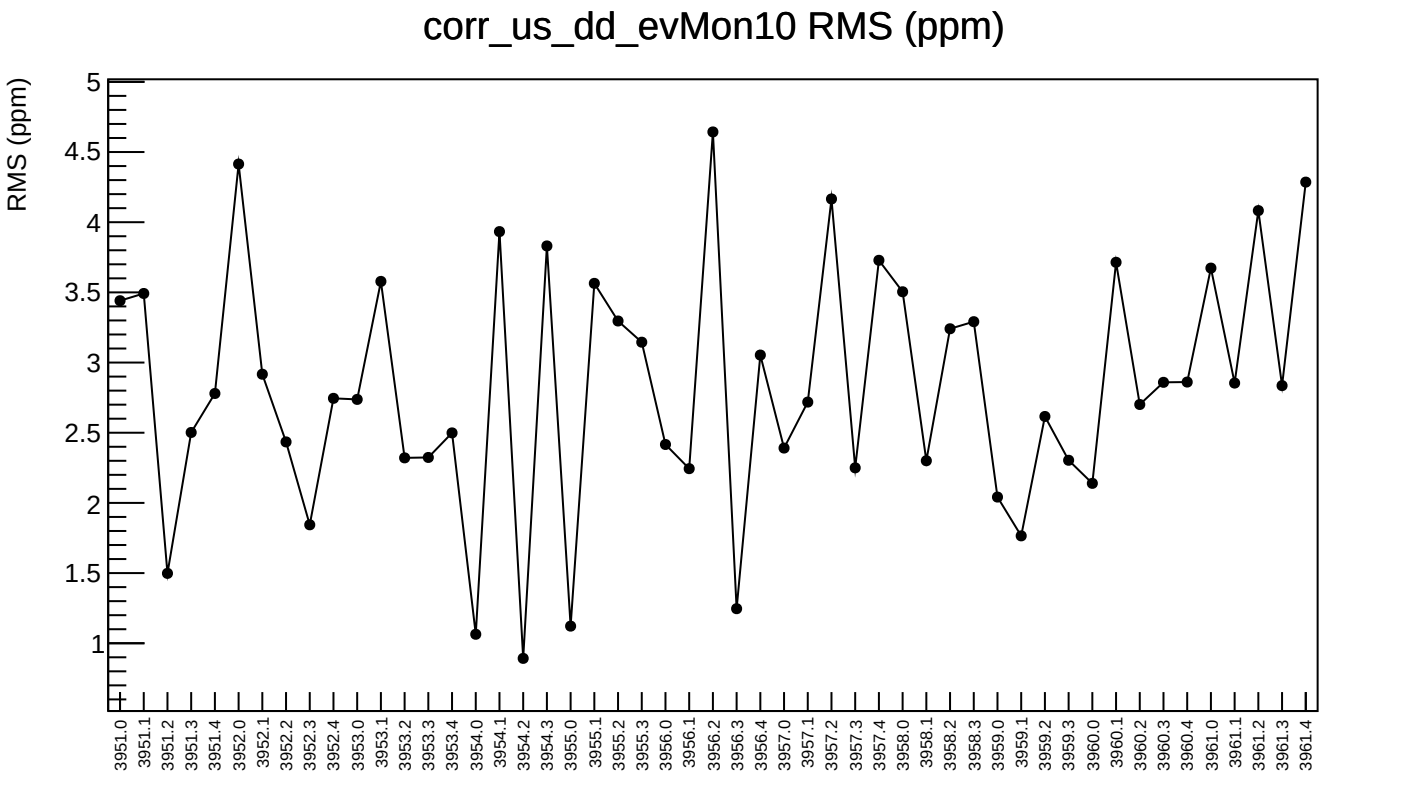

corr_us_dd_evMon8 (ppb)
χ² / ndf 40.95 / 50
p0 0.3702 ± 3.649
1D pull distribution
Mean 0.009008 ± 0.1255
Std Dev 0.8961 ± 0.08872
Underflow 0
Overflow 0
χ² / ndf 8.005 / 6
Constant 12.48 ± 3.13
Mean −0.1708 ± 0.1143
Sigma 0.736 ± 0.151

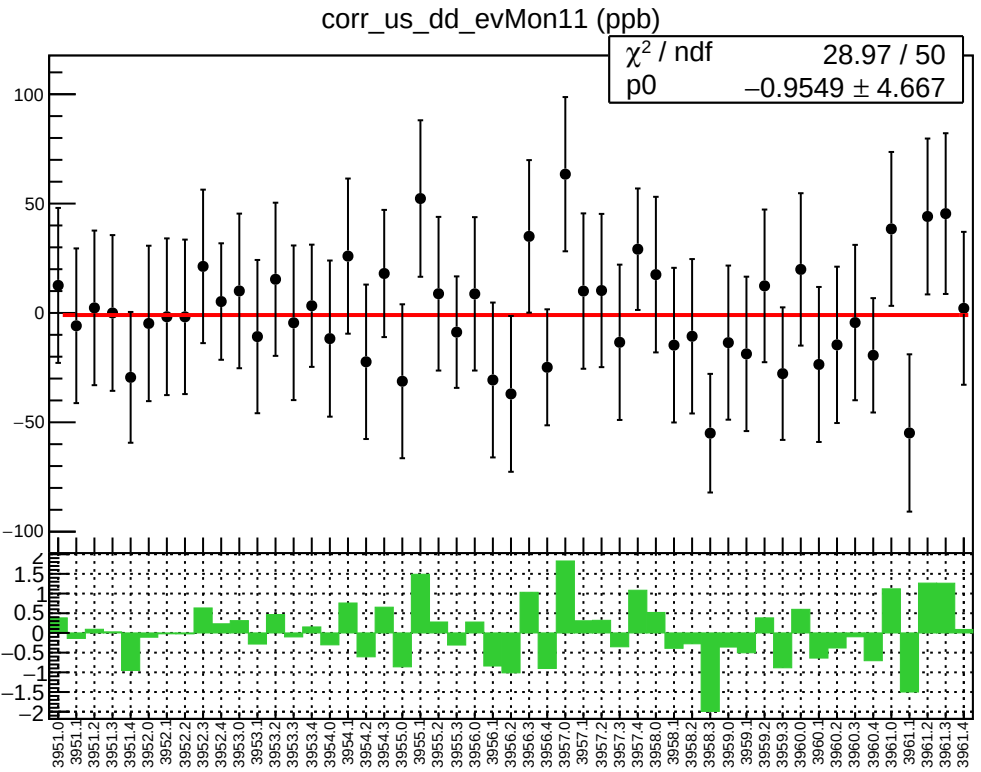

corr_us_dd_evMon8 RMS (ppm)
RMS (ppm)
7
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

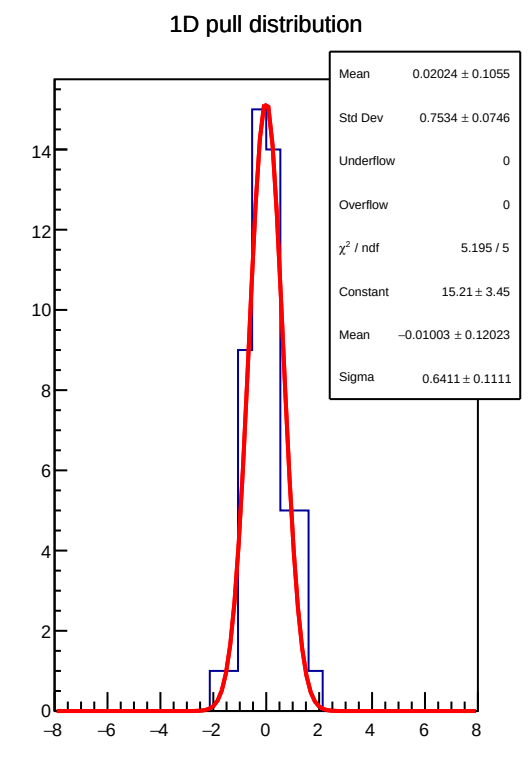

corr_us_dd_evMon9 (ppb)
χ² / ndf 52.32 / 50
p0 0.6474 ± 3.681
1D pull distribution
Mean 0.006437 ± 0.1418
Std Dev 1.013 ± 0.1003
Underflow 0
Overflow 0
χ² / ndf 10.25 / 6
Constant 14.84 ± 8.14
Mean −0.1039 ± 0.1216
Sigma 0.5852 ± 0.3108

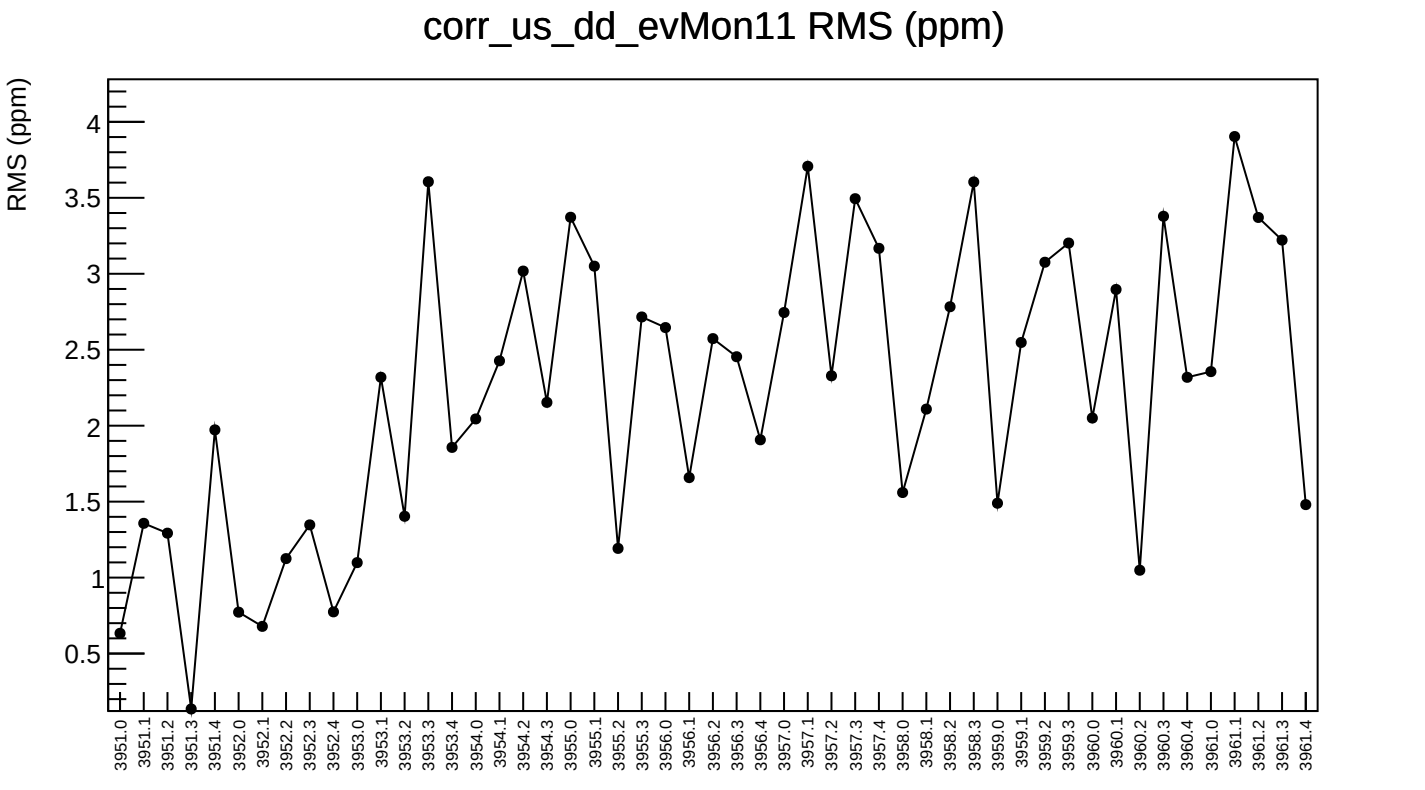

corr_us_dd_evMon9 RMS (ppm)
RMS (ppm)
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

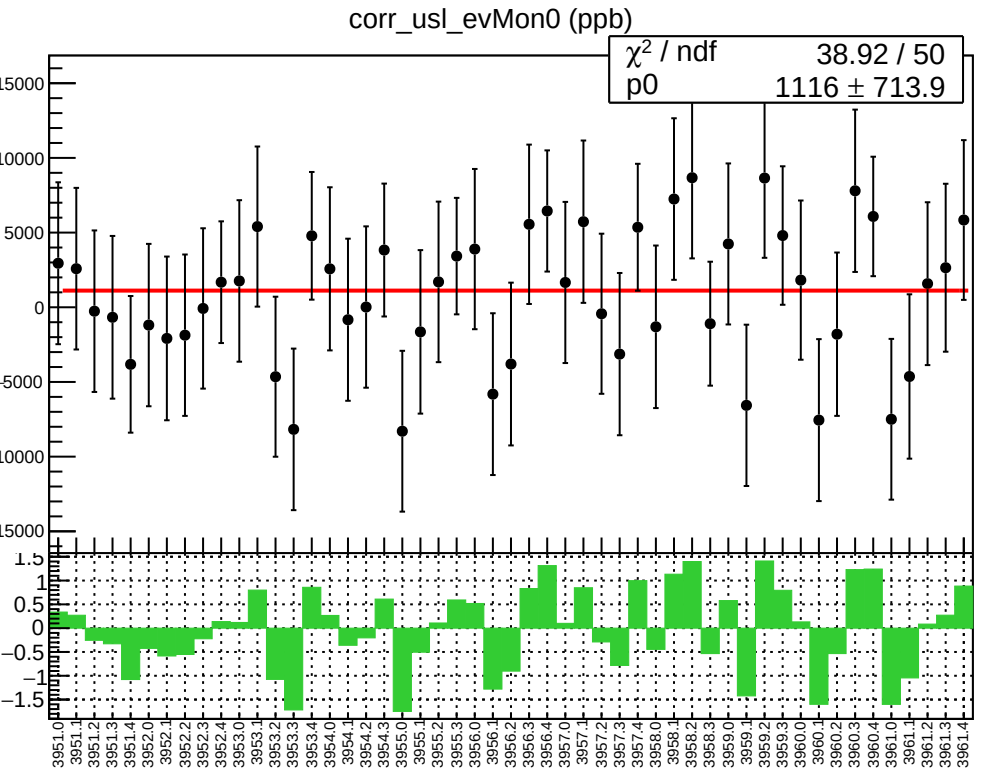

corr_us_dd_evMon10 (ppb)
χ² / ndf 18.99 / 50
p0 −0.5799 ± 6.99
1D pull distribution
Mean 0.005801± 0.08545
Std Dev 0.6102 ± 0.06042
Underflow 0
Overflow 0
χ² / ndf 3.272 / 4
Constant 15.74 ± 3.45
Mean −0.007556 ± 0.103279
Sigma 0.6491± 0.1114

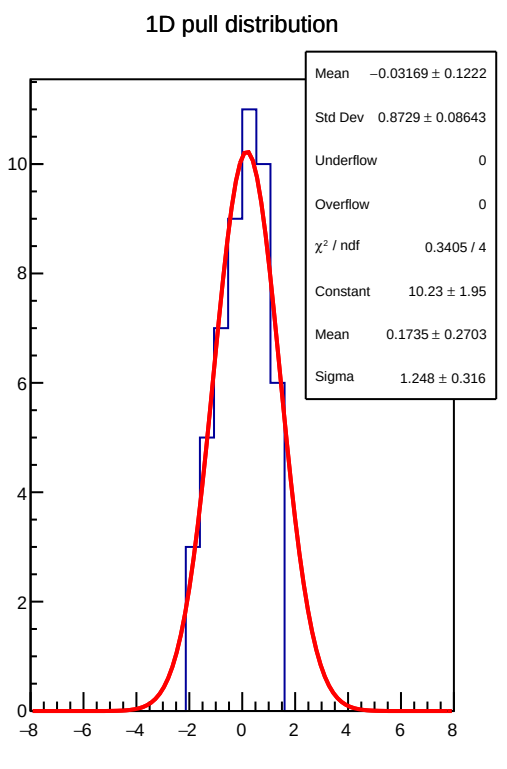

corr_us_dd_evMon10 RMS (ppm)
RMS (ppm)
5
4.5
4
3.5
3
2.5
2
1.5
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

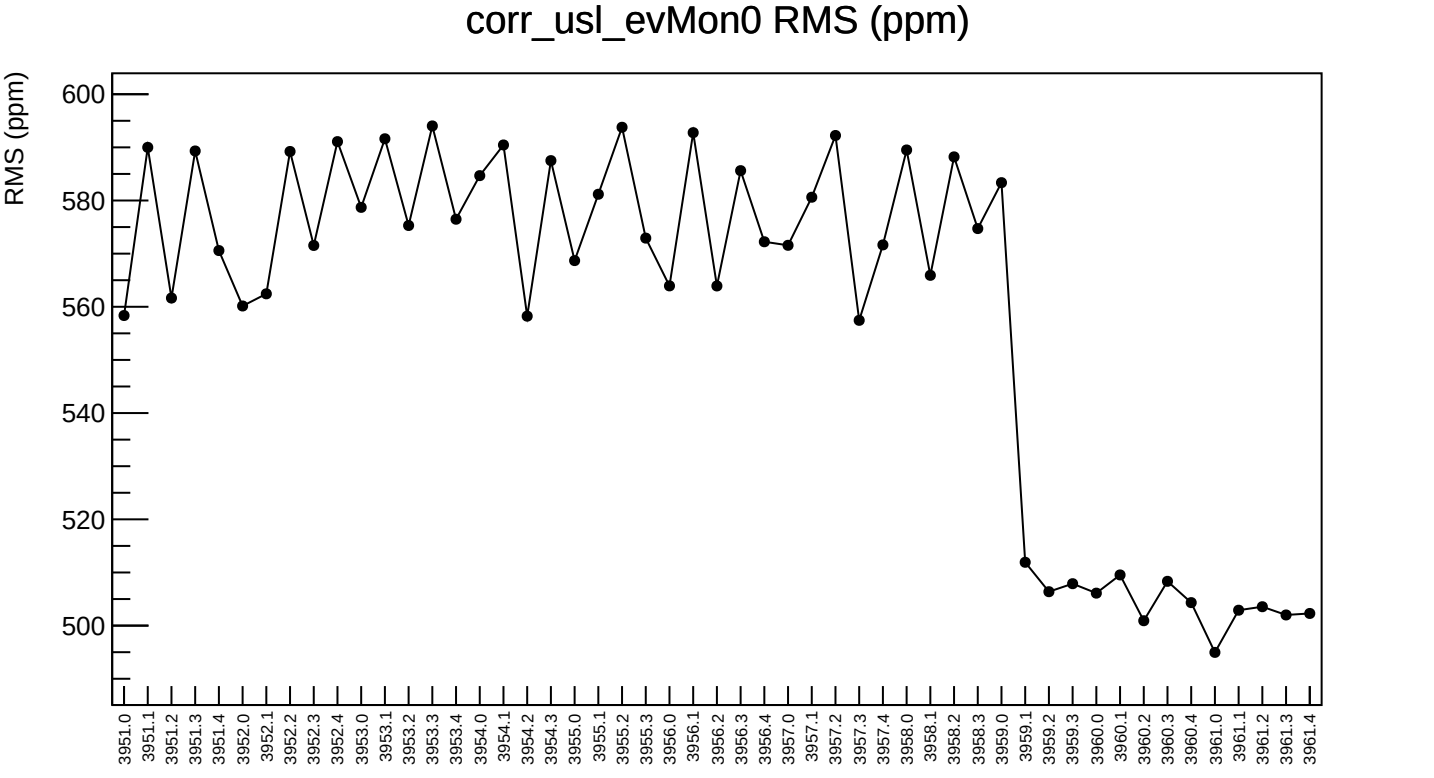

corr_us_dd_evMon11 (ppb)
χ² / ndf 28.97 / 50
p0 −0.9549 ± 4.667
100
50
0
−50
−100
1.5
1
0.5
0
−0.5
−1
−1.5
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

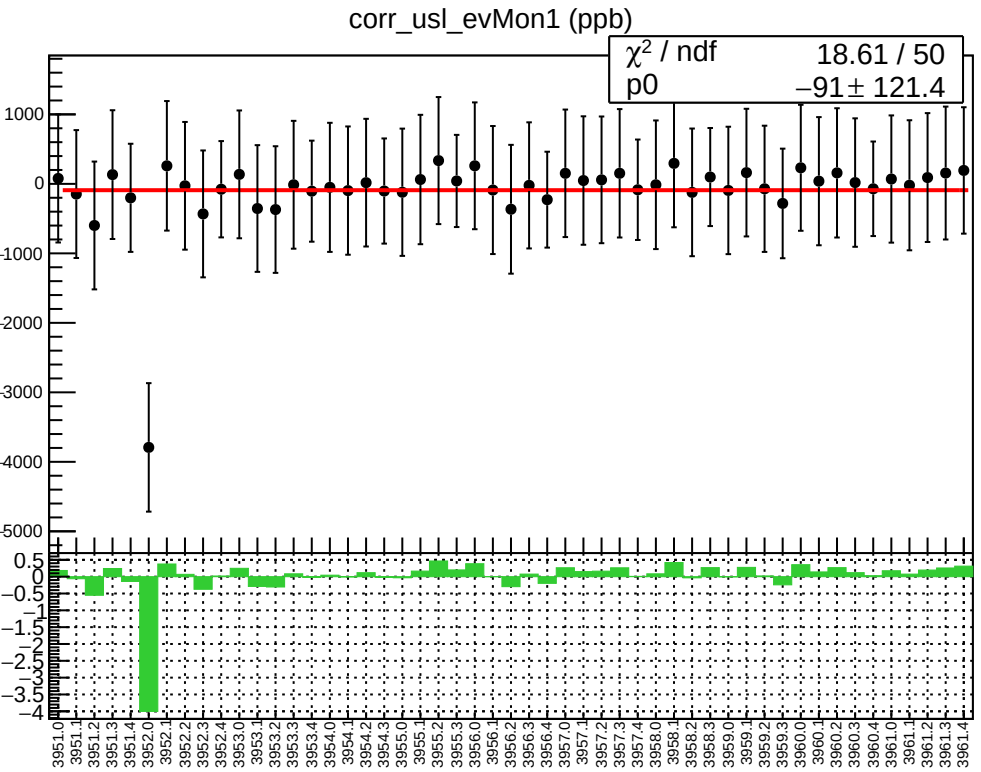

1D pull distribution
Mean 0.02024 ± 0.1055
Std Dev 0.7534 ± 0.0746
Underflow 0
Overflow 0
χ² / ndf 5.195 / 5
Constant 15.21 ± 3.45
Mean −0.01003 ± 0.12023
Sigma 0.6411 ± 0.1111
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

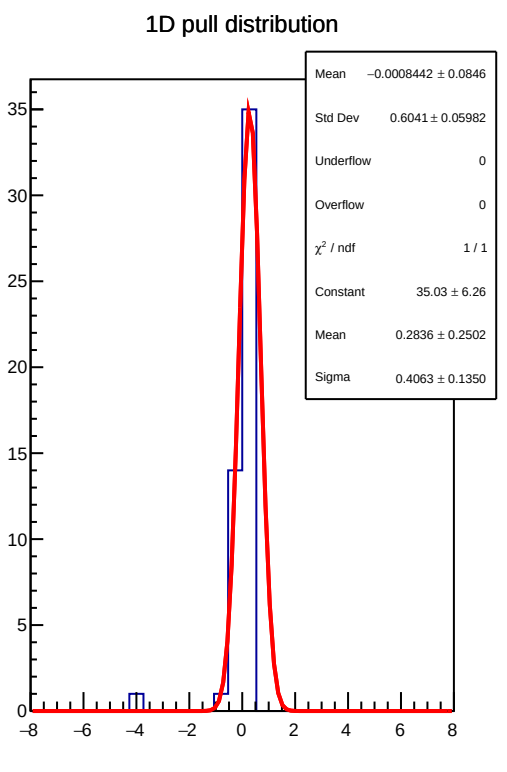

corr_us_dd_evMon11 RMS (ppm)
RMS (ppm)
0.5
1
1.5
2
2.5
3
3.5
4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

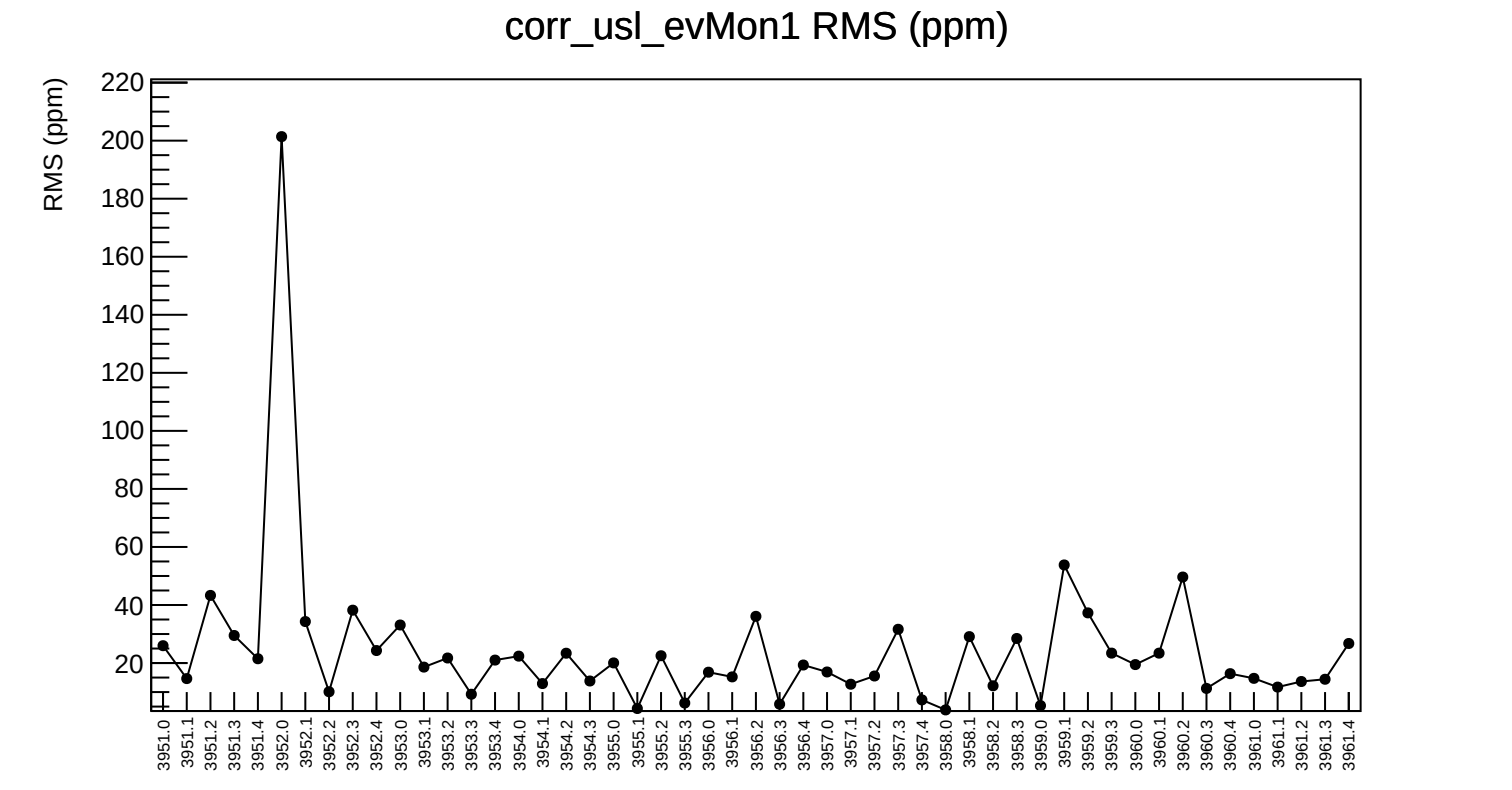

corr_usl_evMon0 (ppb)
χ² / ndf 38.92 / 50
p0 1116 ± 713.9
15000
10000
5000
0
-5000
-10000
-15000
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

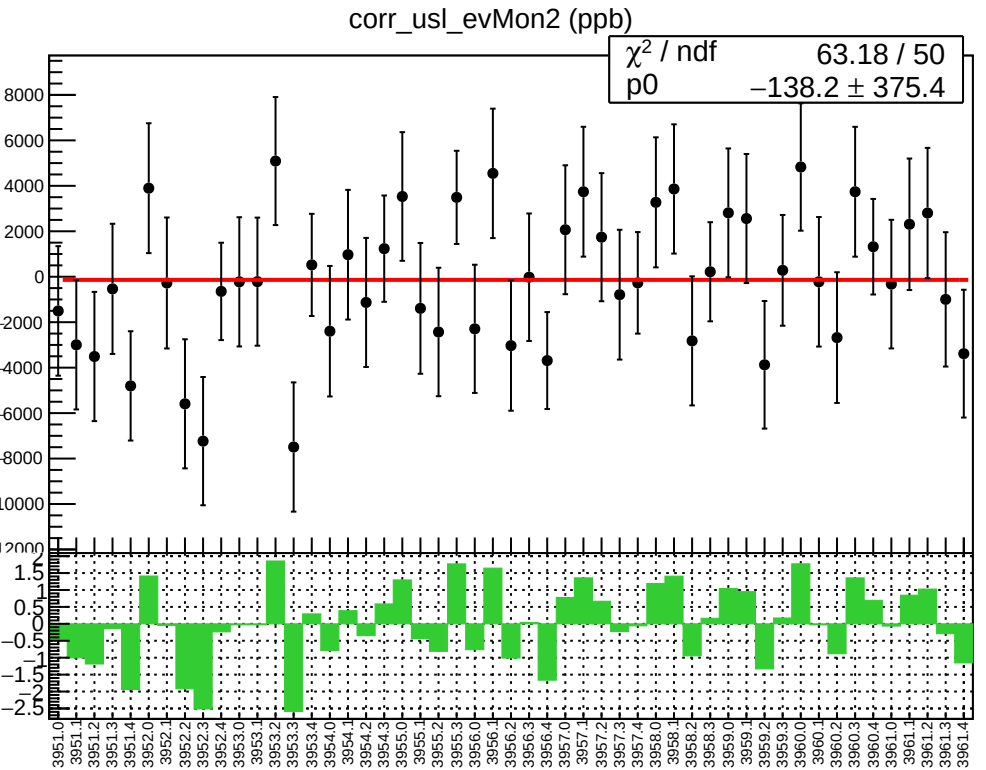

1D pull distribution
Mean −0.03169 ± 0.1222
Std Dev 0.8729 ± 0.08643
Underflow 0
Overflow 0
χ² / ndf 0.3405 / 4
Constant 10.23 ± 1.95
Mean 0.1735 ± 0.2703
Sigma 1.248 ± 0.316
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

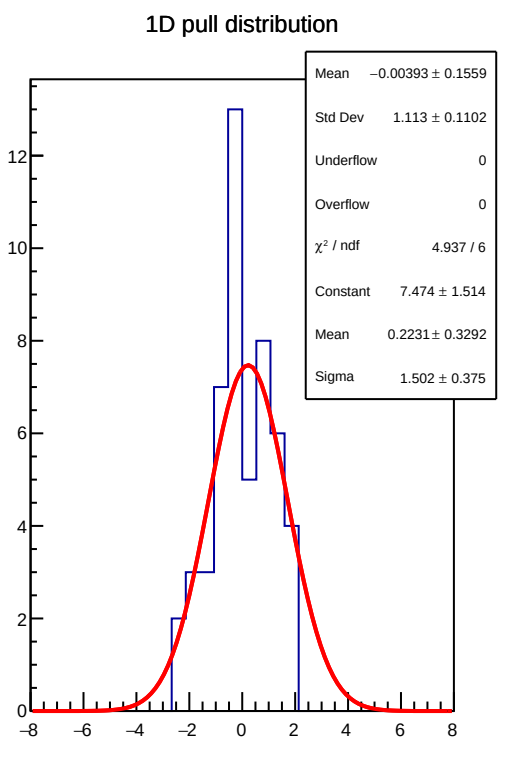

corr_usl_evMon0 RMS (ppm)
RMS (ppm)
600
580
560
540
520
500
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

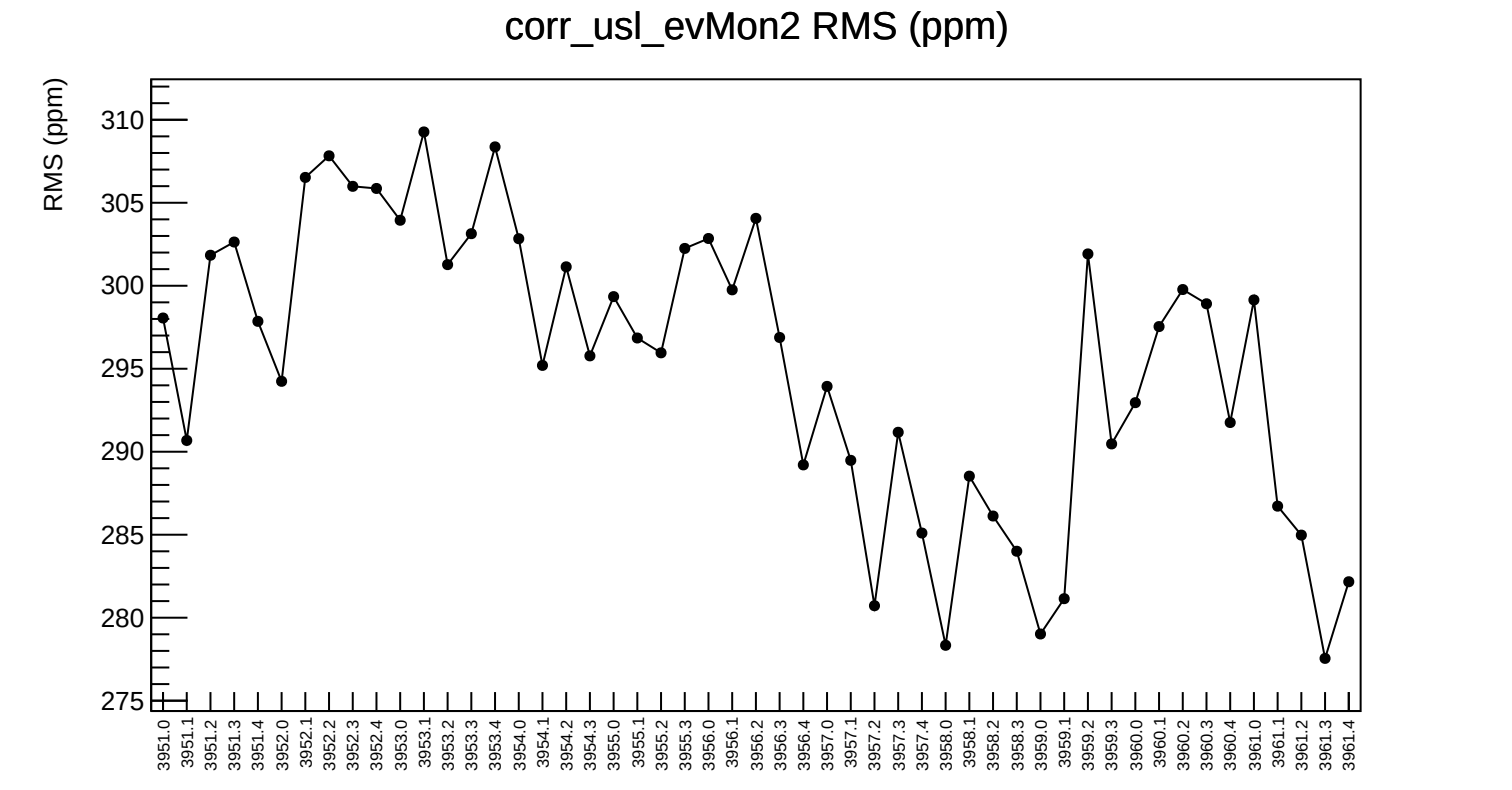

corr_usl_evMon1 (ppb)
χ² / ndf 18.61 / 50
p0 −91 ± 121.4
1000
0
-1000
-2000
-3000
-4000
-5000
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

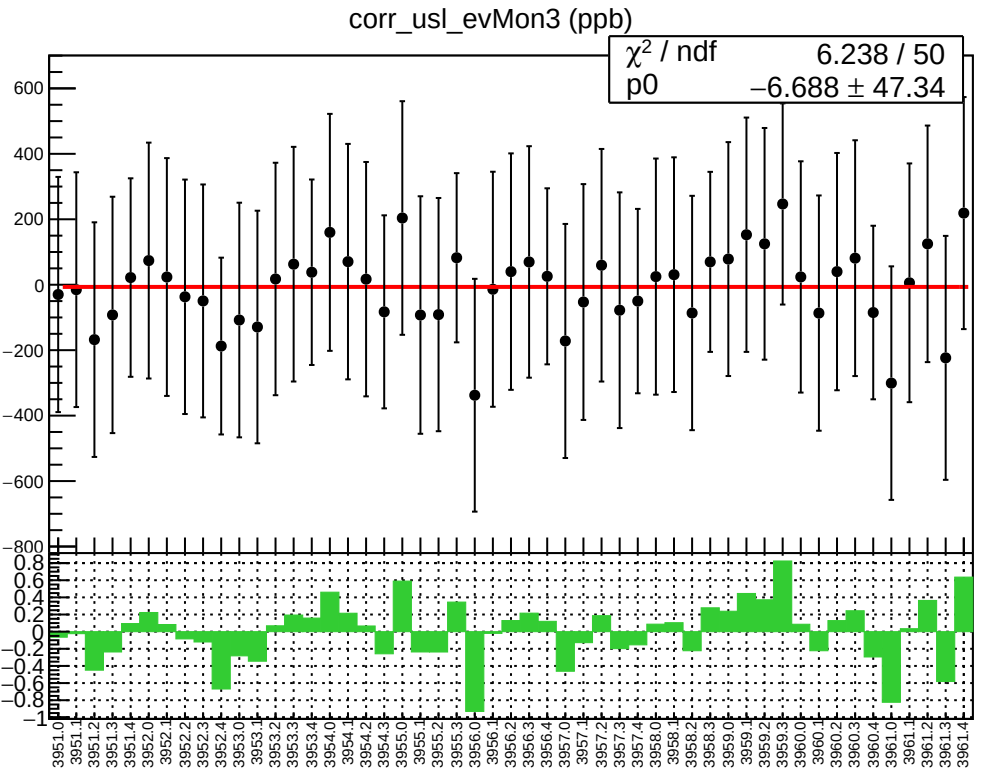

1D pull distribution
Mean −0.0008442 ± 0.0846
Std Dev 0.6041 ± 0.05982
Underflow 0
Overflow 0
χ² / ndf 1 / 1
Constant 35.03 ± 6.26
Mean 0.2836 ± 0.2502
Sigma 0.4063 ± 0.1350
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

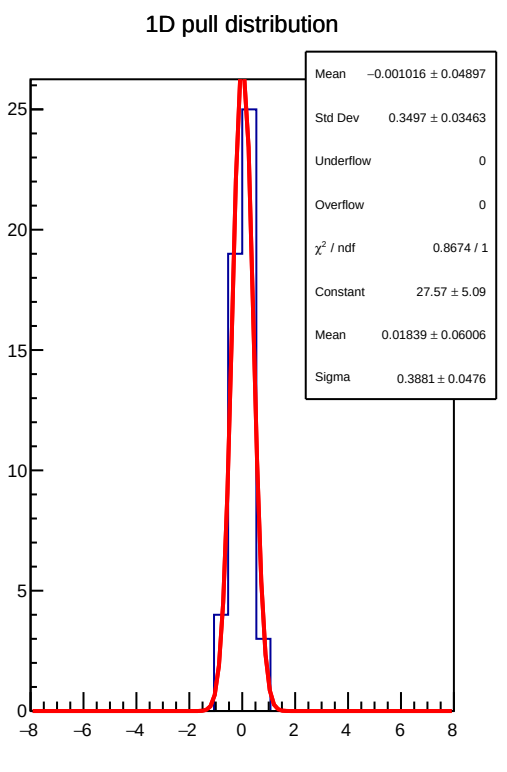

corr_usl_evMon1 RMS (ppm)
RMS (ppm)
220
200
180
160
140
120
100
80
60
40
20
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

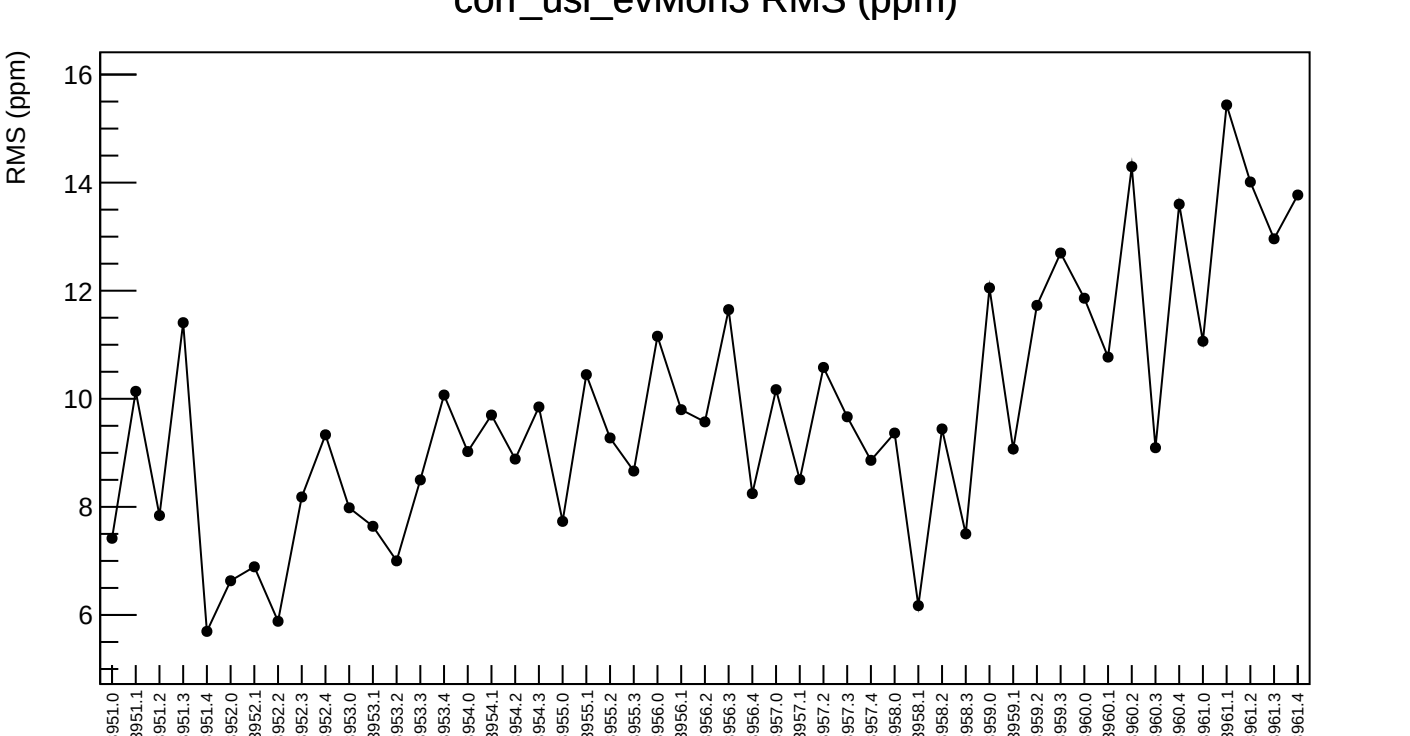

corr_usl_evMon2 (ppb)
χ² / ndf 63.18 / 50
p0 −138.2 ± 375.4
8000
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean −0.00393 ± 0.1559
Std Dev 1.113 ± 0.1102
Underflow 0
Overflow 0
χ² / ndf 4.937 / 6
Constant 7.474 ± 1.514
Mean 0.2231 ± 0.3292
Sigma 1.502 ± 0.375
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_usl_evMon2 RMS (ppm)
RMS (ppm)
310
305
300
295
290
285
280
275
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


corr_usl_evMon3 (ppb)
χ² / ndf 6.238 / 50
p0 −6.688 ± 47.34


1D pull distribution
Mean −0.001016 ± 0.04897
Std Dev 0.3497 ± 0.03463
Underflow 0
Overflow 0
χ² / ndf 0.8674 / 1
Constant 27.57 ± 5.09
Mean 0.01839 ± 0.06006
Sigma 0.3881 ± 0.0476


corr_usl_evMon3 RMS (ppm)
RMS (ppm)
16
14
12
10
8
6
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
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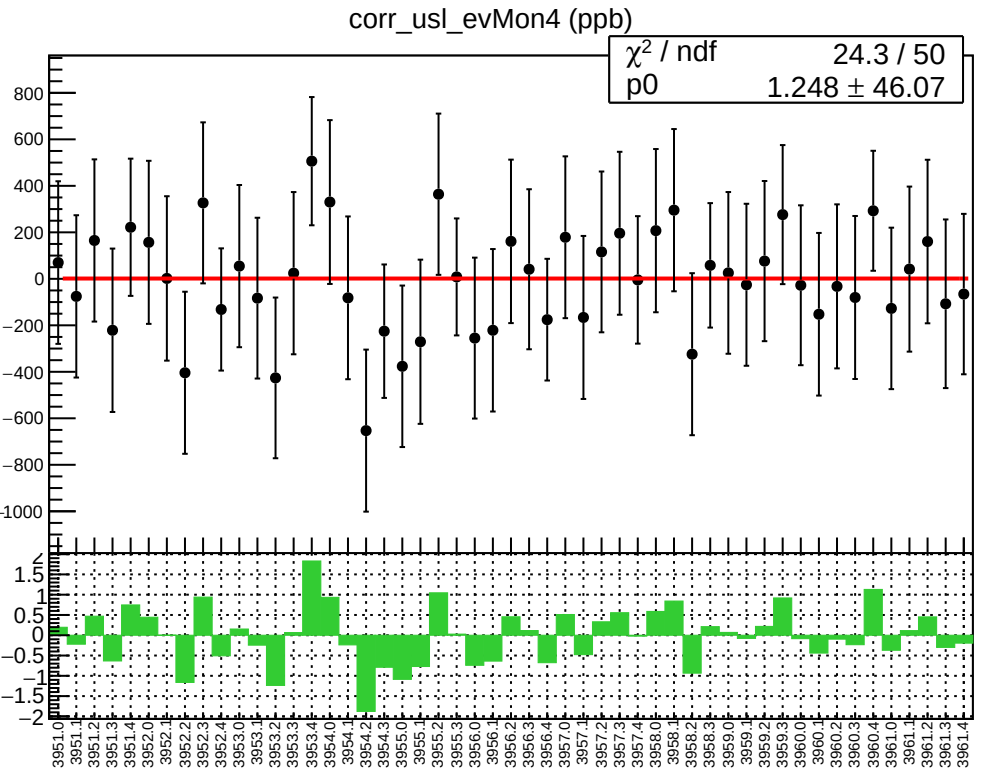
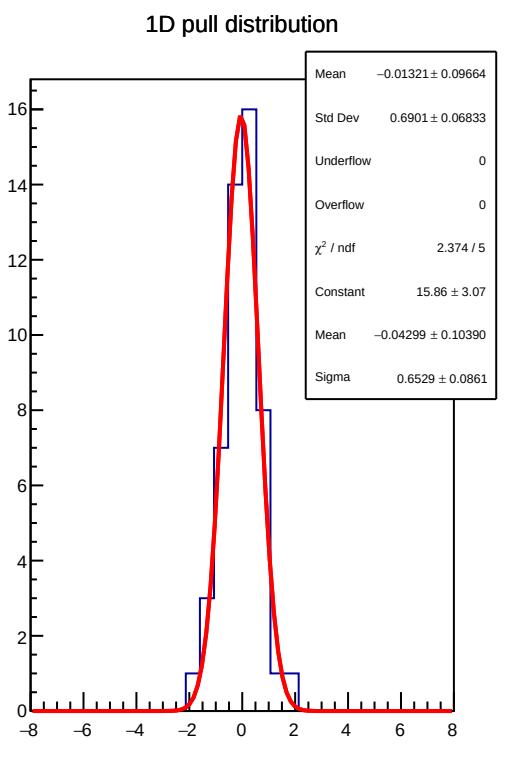
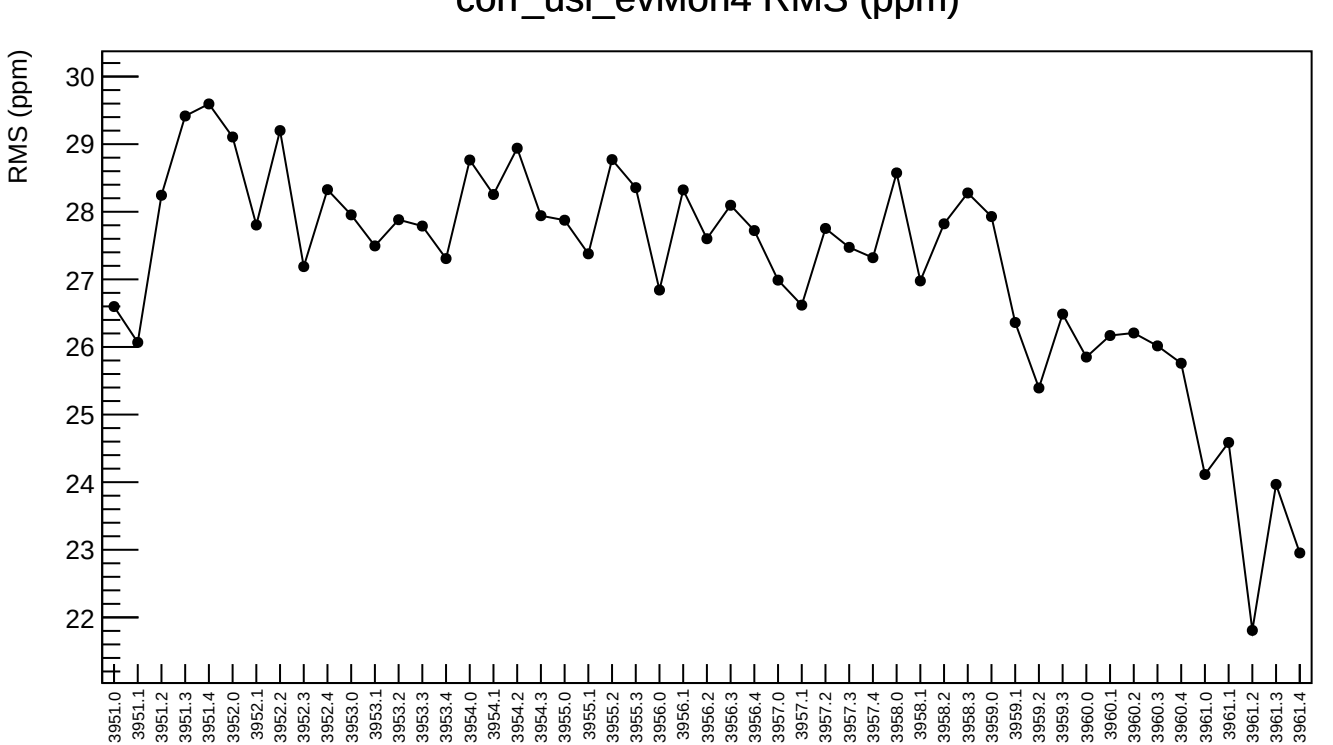
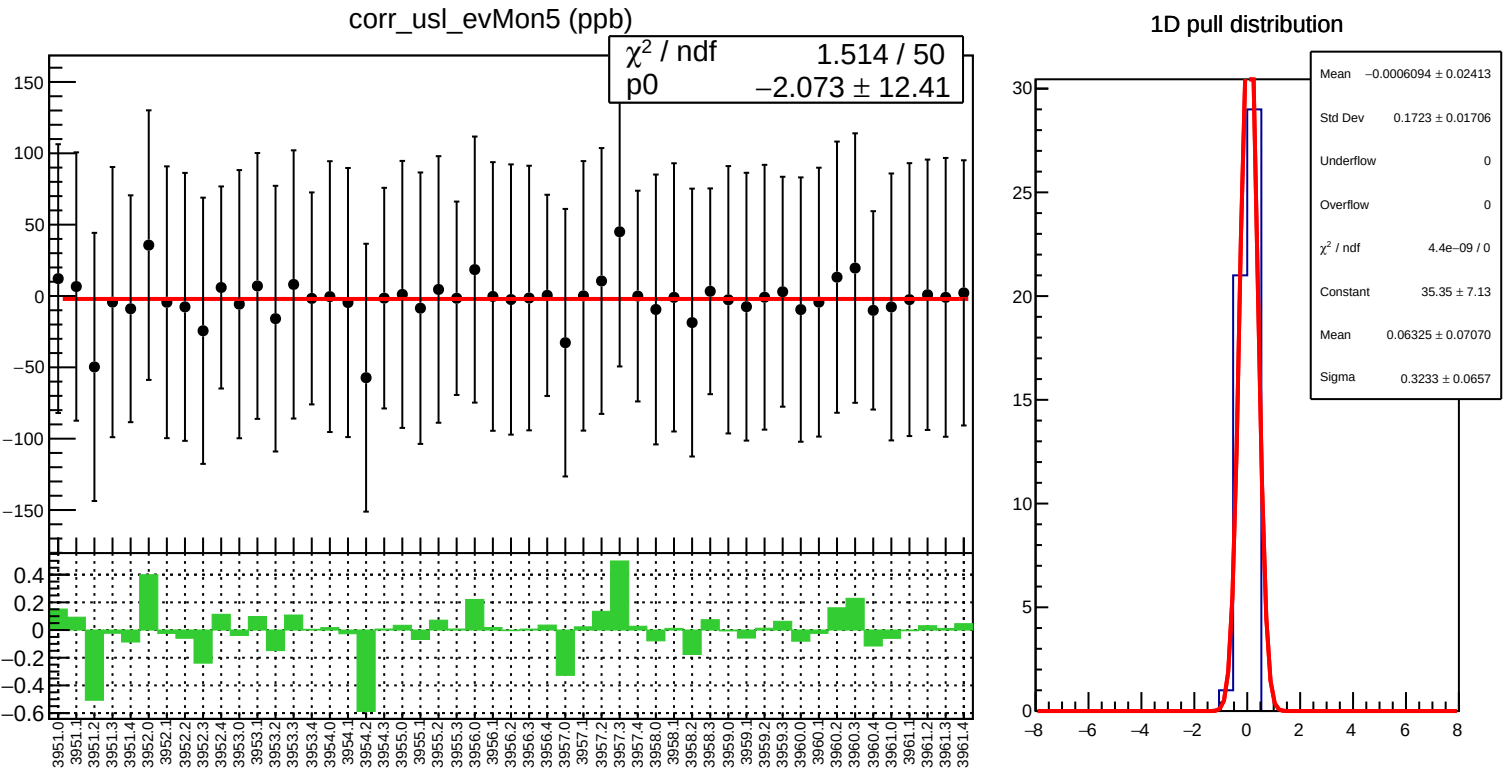
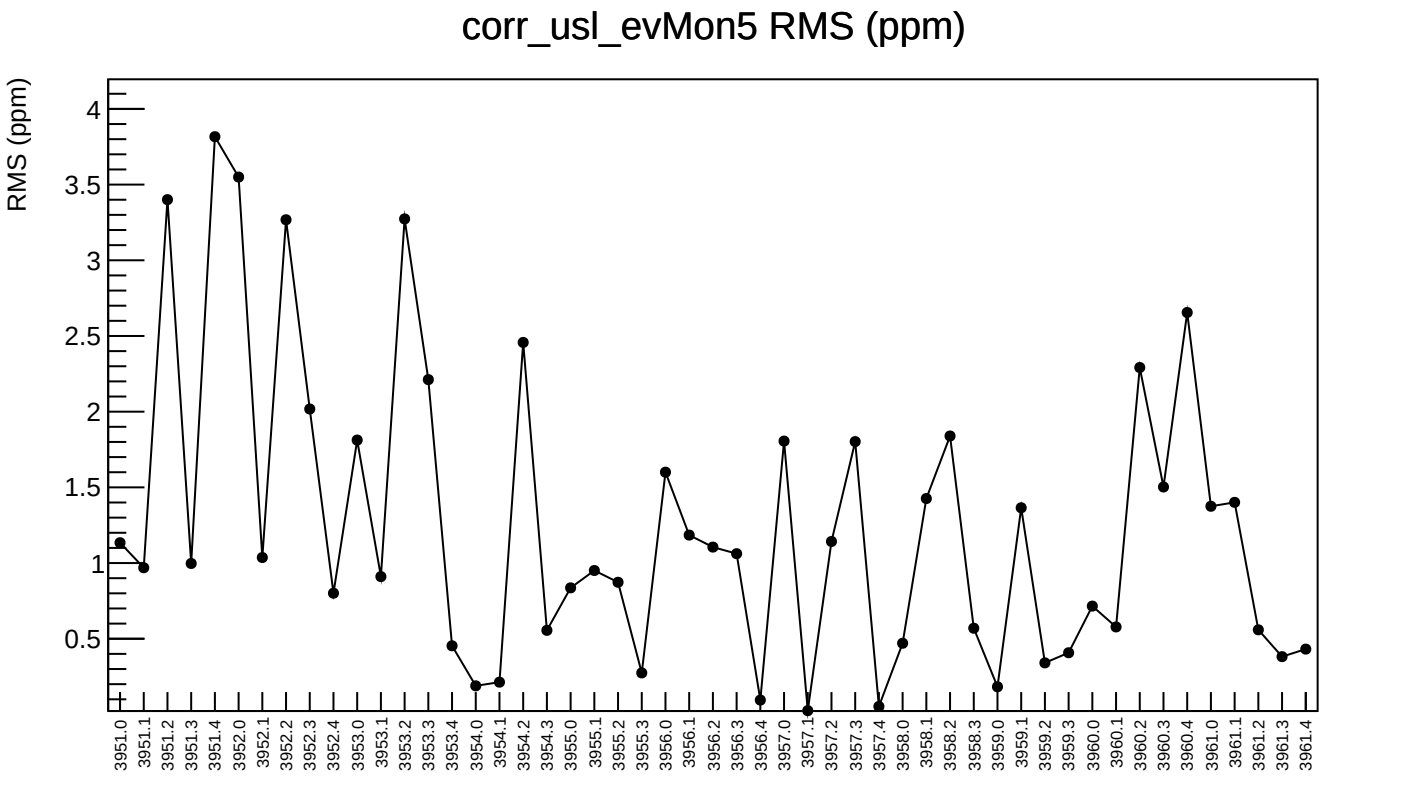
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

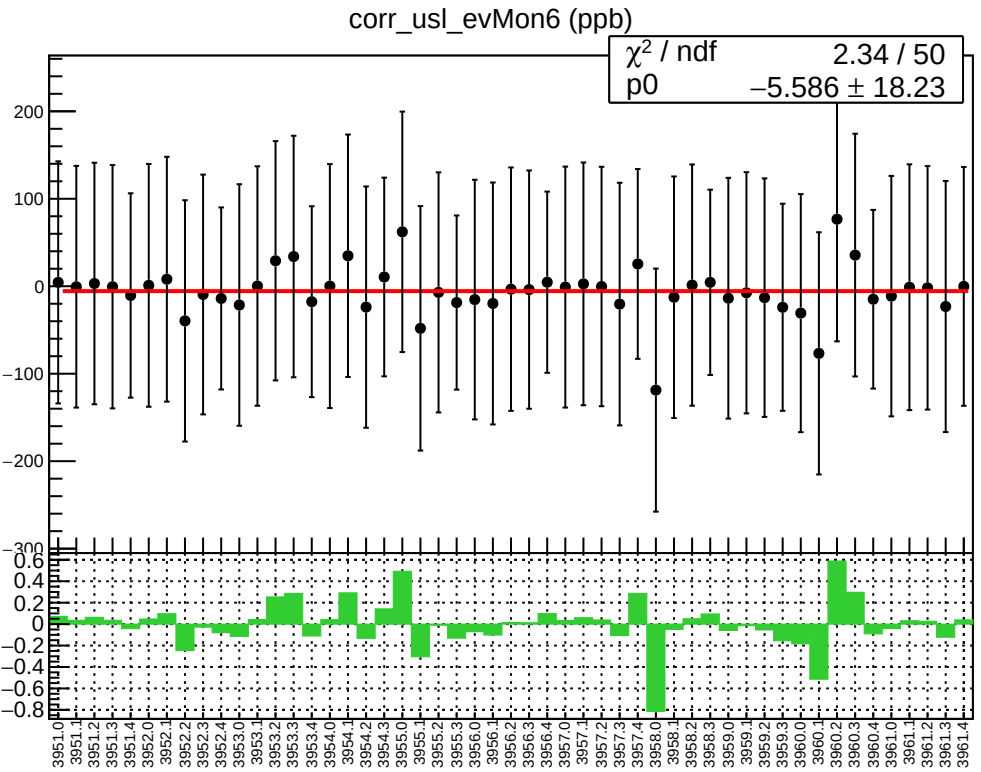

corr_usl_evMon4 (ppb)
χ² / ndf 24.3 / 50
p0 1.248 ± 46.07

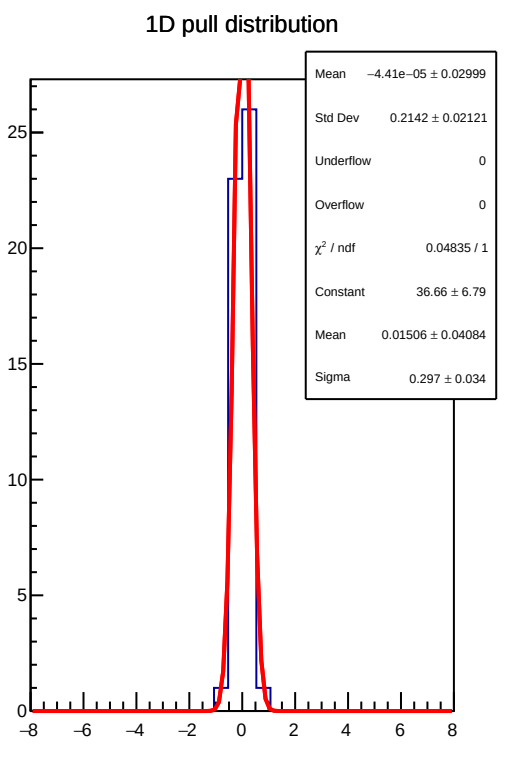

1D pull distribution
Mean −0.01321 ± 0.09664
Std Dev 0.6901 ± 0.06833
Underflow 0
Overflow 0
χ² / ndf 2.374 / 5
Constant 15.86 ± 3.07
Mean −0.04299 ± 0.10390
Sigma 0.6529 ± 0.0861

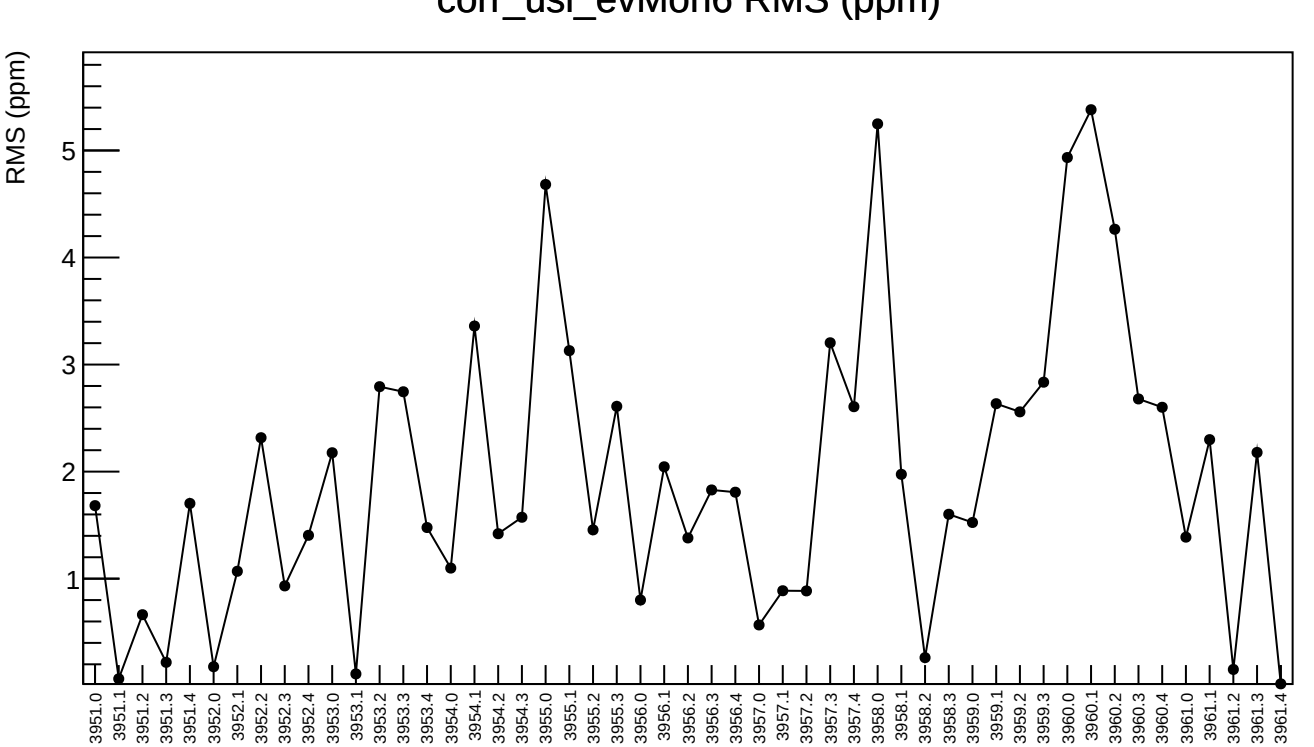

corr_usl_evMon4 RMS (ppm)
RMS (ppm)
30
29
28
27
26
25
24
23
22
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

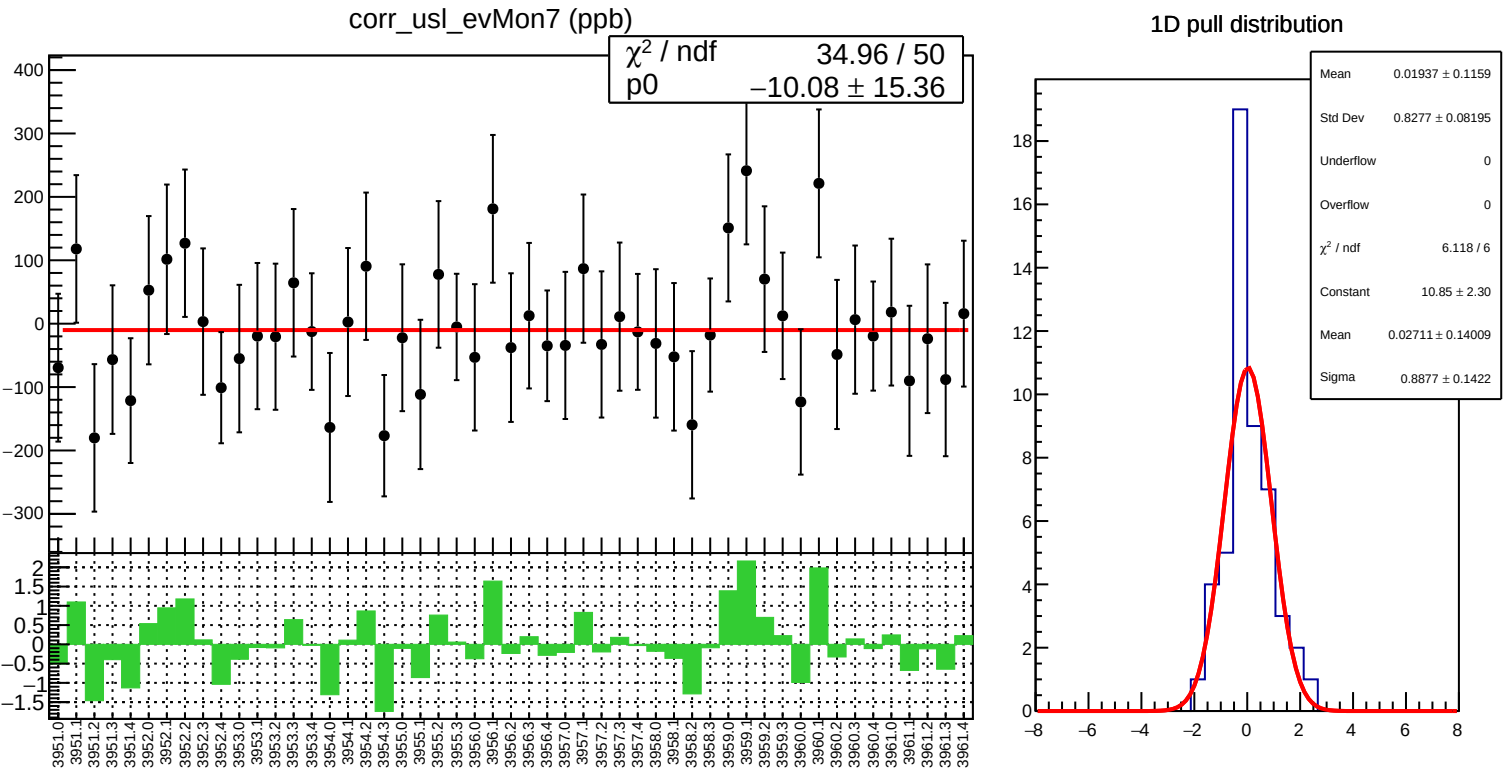

corr_usl_evMon5 (ppb)
χ² / ndf 1.514 / 50
p0 −2.073 ± 12.41
1D pull distribution
Mean −0.0006094 ± 0.02413
Std Dev 0.1723 ± 0.01706
Underflow 0
Overflow 0
χ² / ndf 4.4e−09 / 0
Constant 35.35 ± 7.13
Mean 0.06325 ± 0.07070
Sigma 0.3233 ± 0.0657

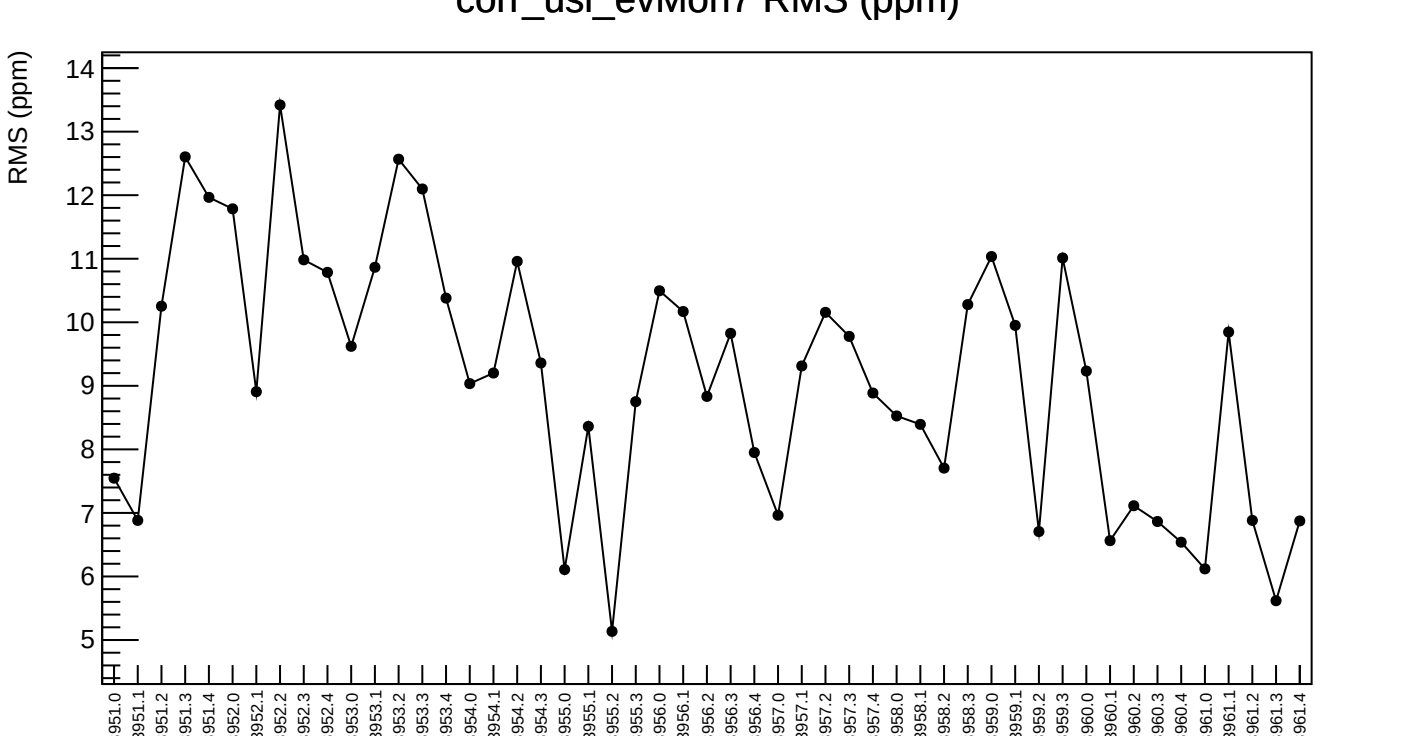

corr_usl_evMon5 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

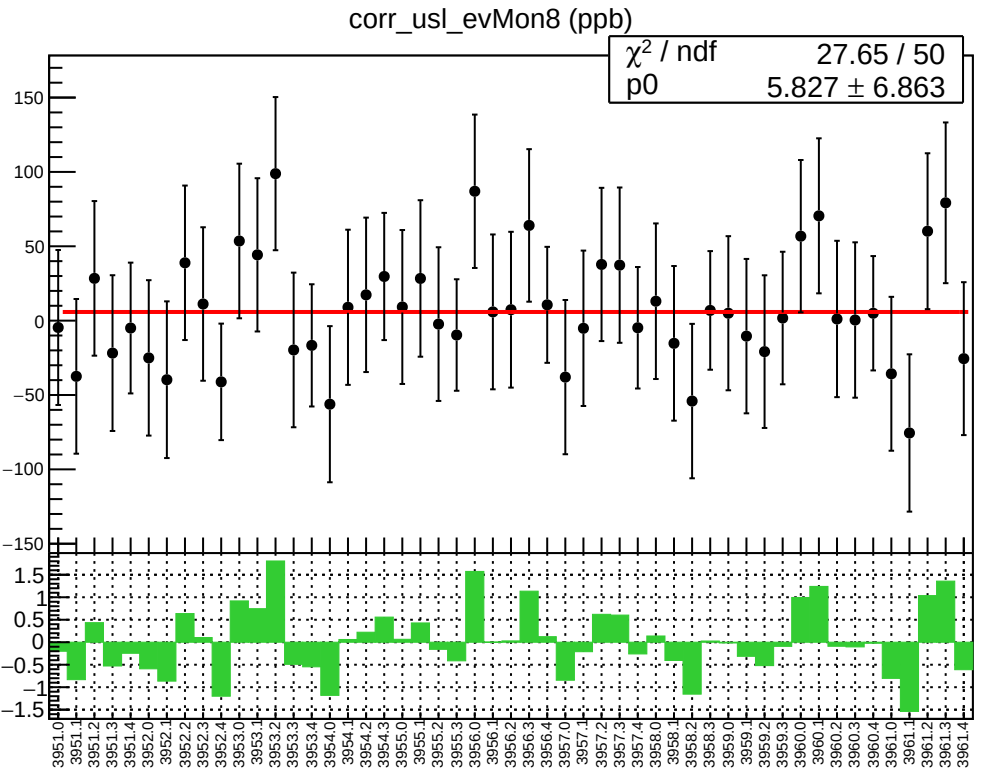

corr_usl_evMon6 (ppb)
χ² / ndf 2.34 / 50
p0 −5.586 ± 18.23
200
100
0
−100
−200
−300
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

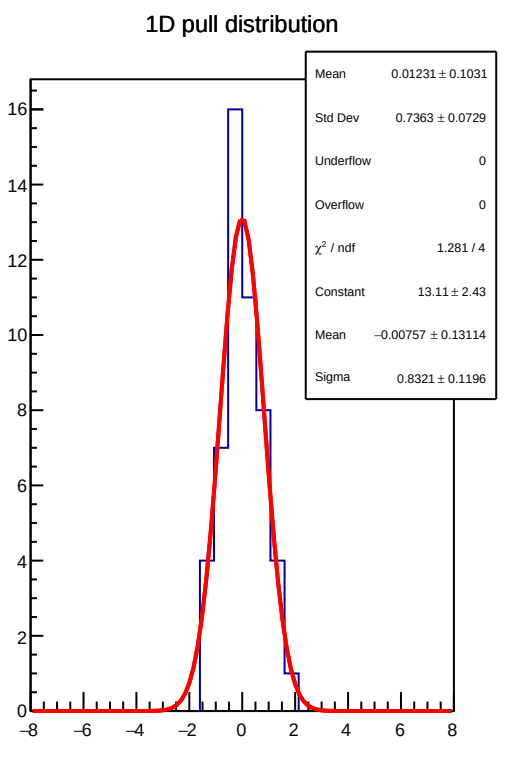

1D pull distribution
Mean −4.41e−05 ± 0.02999
Std Dev 0.2142 ± 0.02121
Underflow 0
Overflow 0
χ² / ndf 0.04835 / 1
Constant 36.66 ± 6.79
Mean 0.01506 ± 0.04084
Sigma 0.297 ± 0.034
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

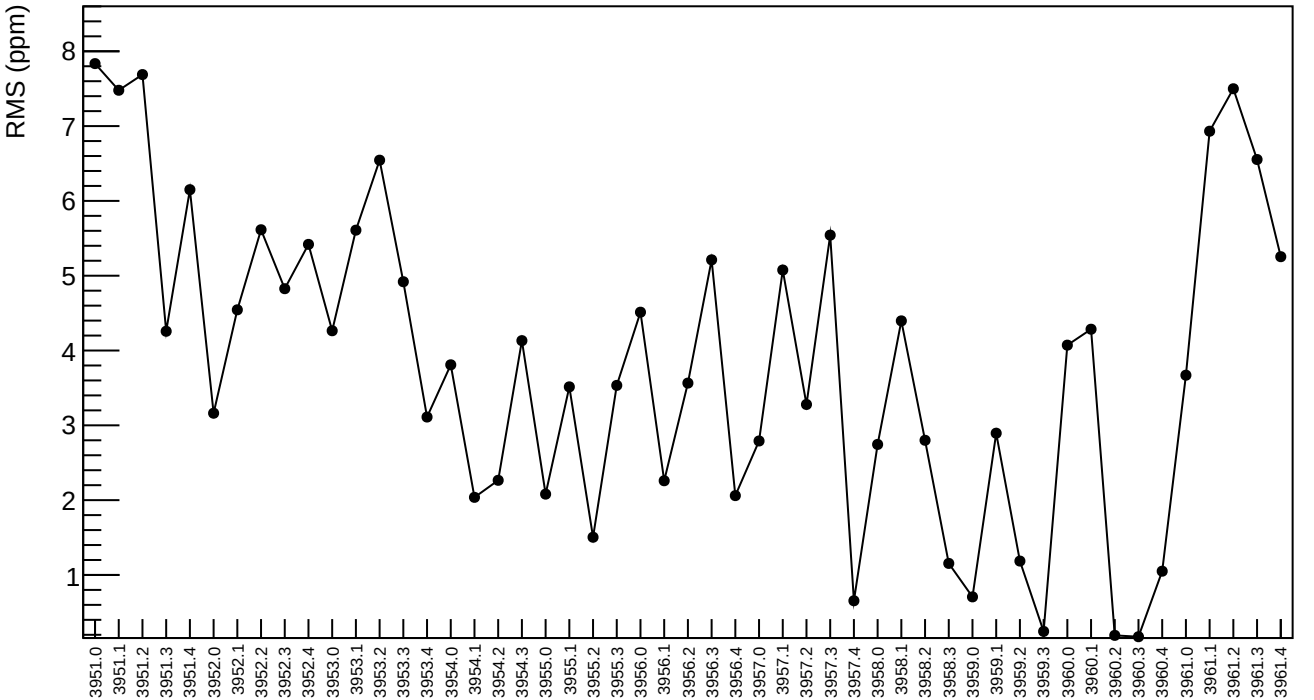

corr_usl_evMon6 RMS (ppm)
RMS (ppm)
1
2
3
4
5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

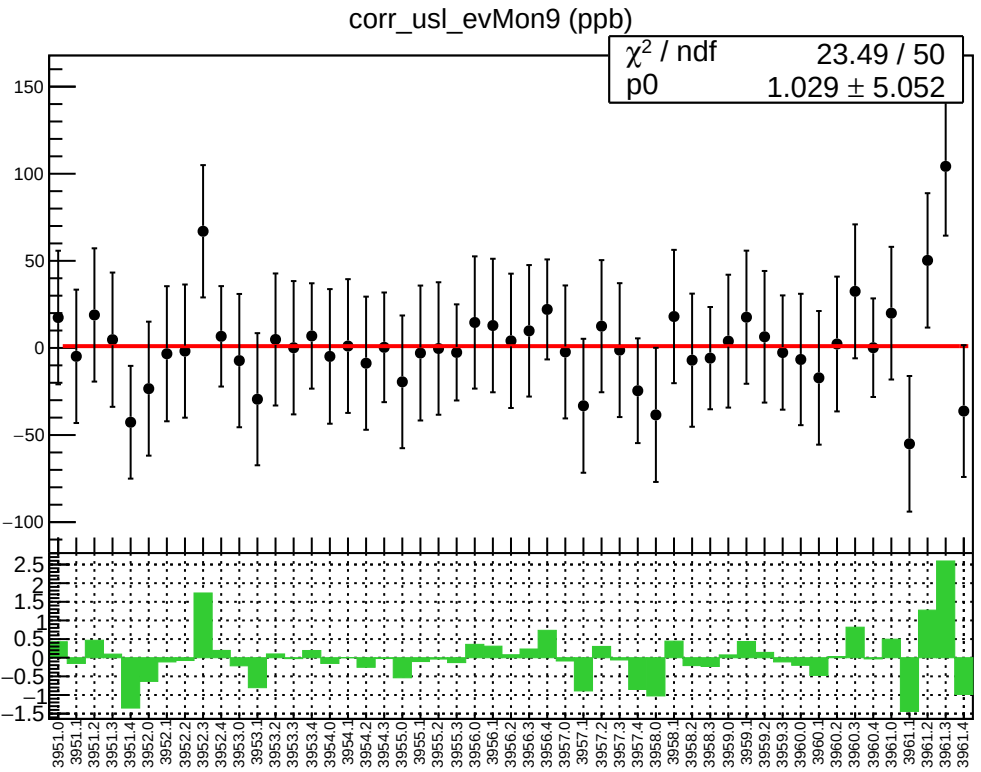

corr_usl_evMon7 (ppb)
χ² / ndf 34.96 / 50
p0 −10.08 ± 15.36
1D pull distribution
Mean 0.01937 ± 0.1159
Std Dev 0.8277 ± 0.08195
Underflow 0
Overflow 0
χ² / ndf 6.118 / 6
Constant 10.85 ± 2.30
Mean 0.02711 ± 0.14009
Sigma 0.8877 ± 0.1422

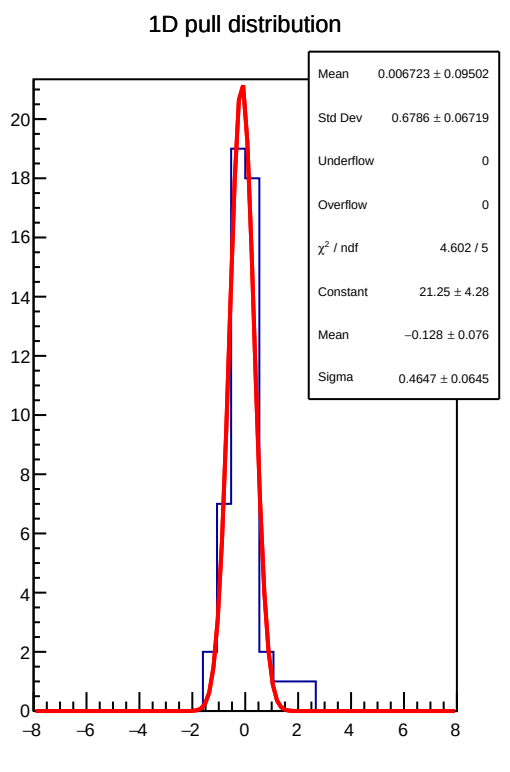

corr_usl_evMon7 RMS (ppm)
RMS (ppm)
14
13
12
11
10
9
8
7
6
5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

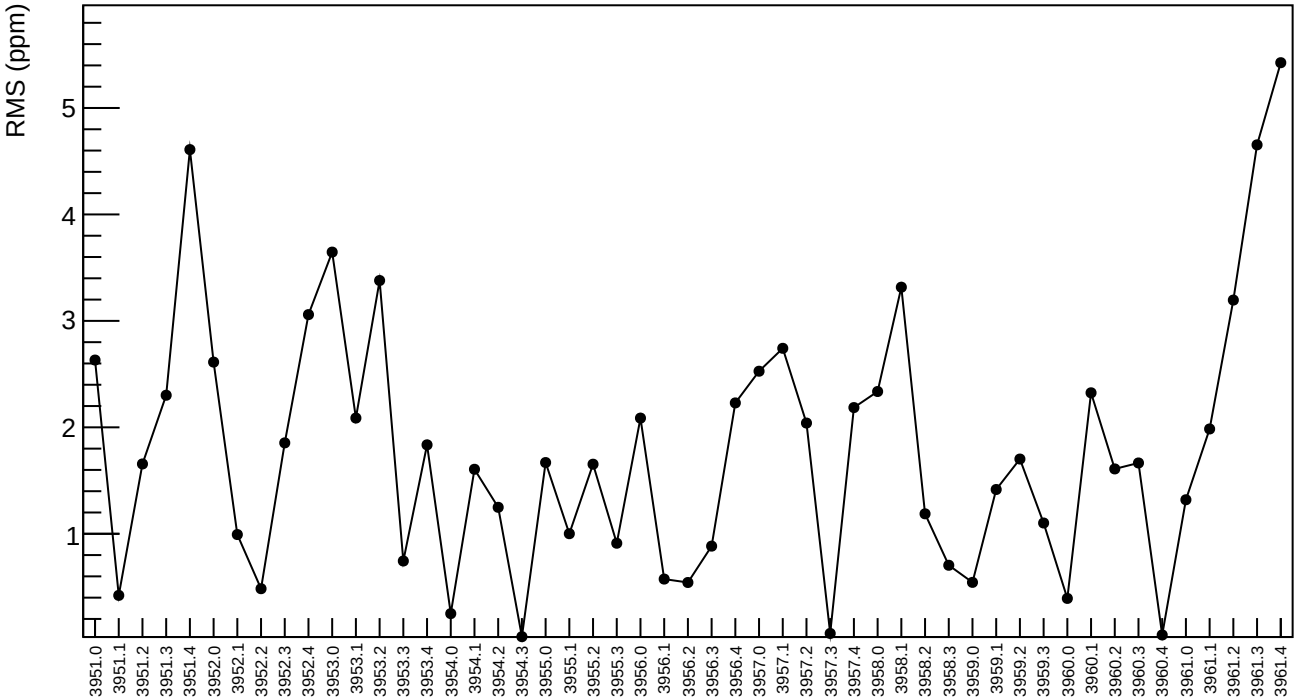

corr_usl_evMon8 (ppb)
χ² / ndf 27.65 / 50
p0 5.827 ± 6.863
150
100
50
0
−50
−100
−150
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

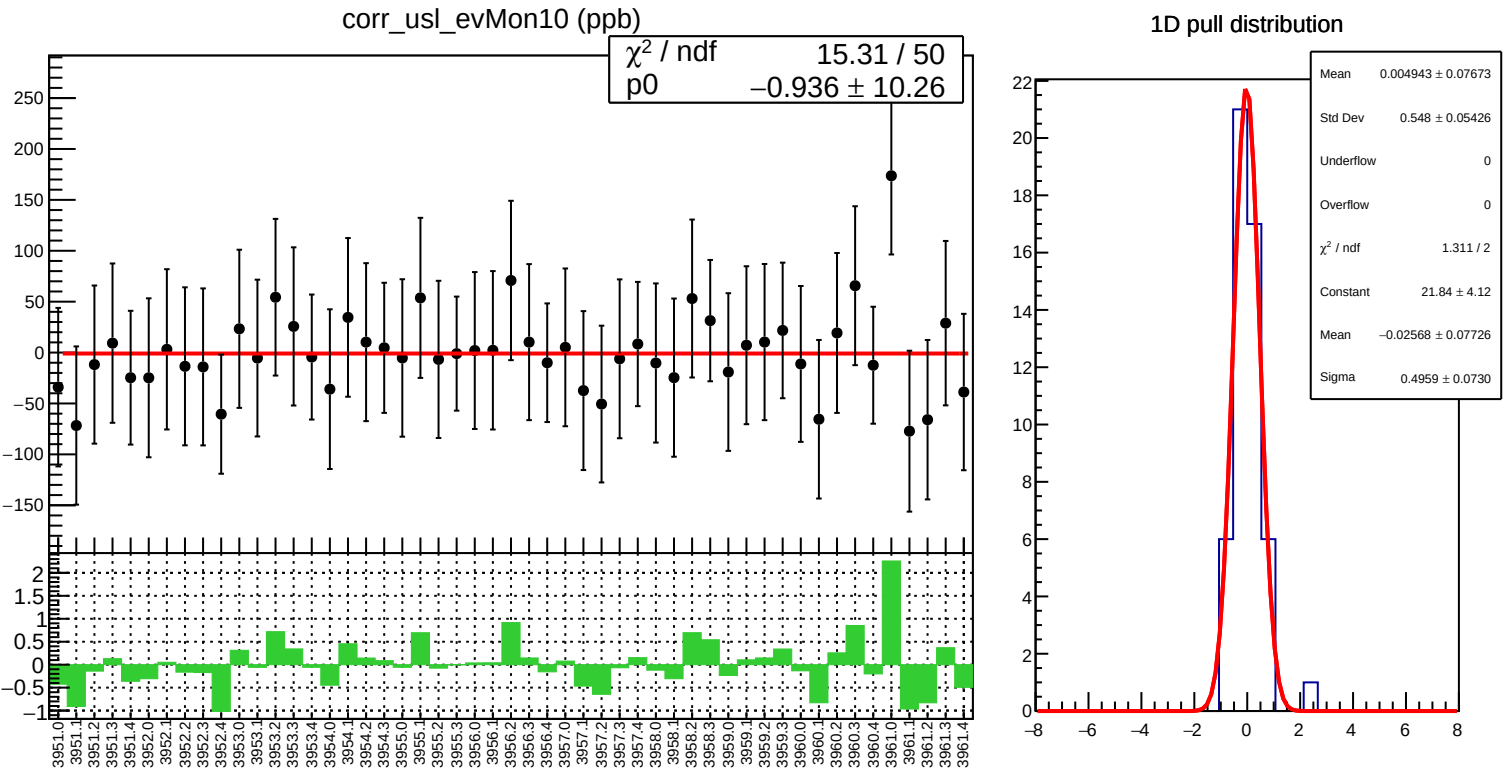

1D pull distribution
Mean 0.01231 ± 0.1031
Std Dev 0.7363 ± 0.0729
Underflow 0
Overflow 0
χ² / ndf 1.281 / 4
Constant 13.11 ± 2.43
Mean −0.00757 ± 0.13114
Sigma 0.8321 ± 0.1196
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

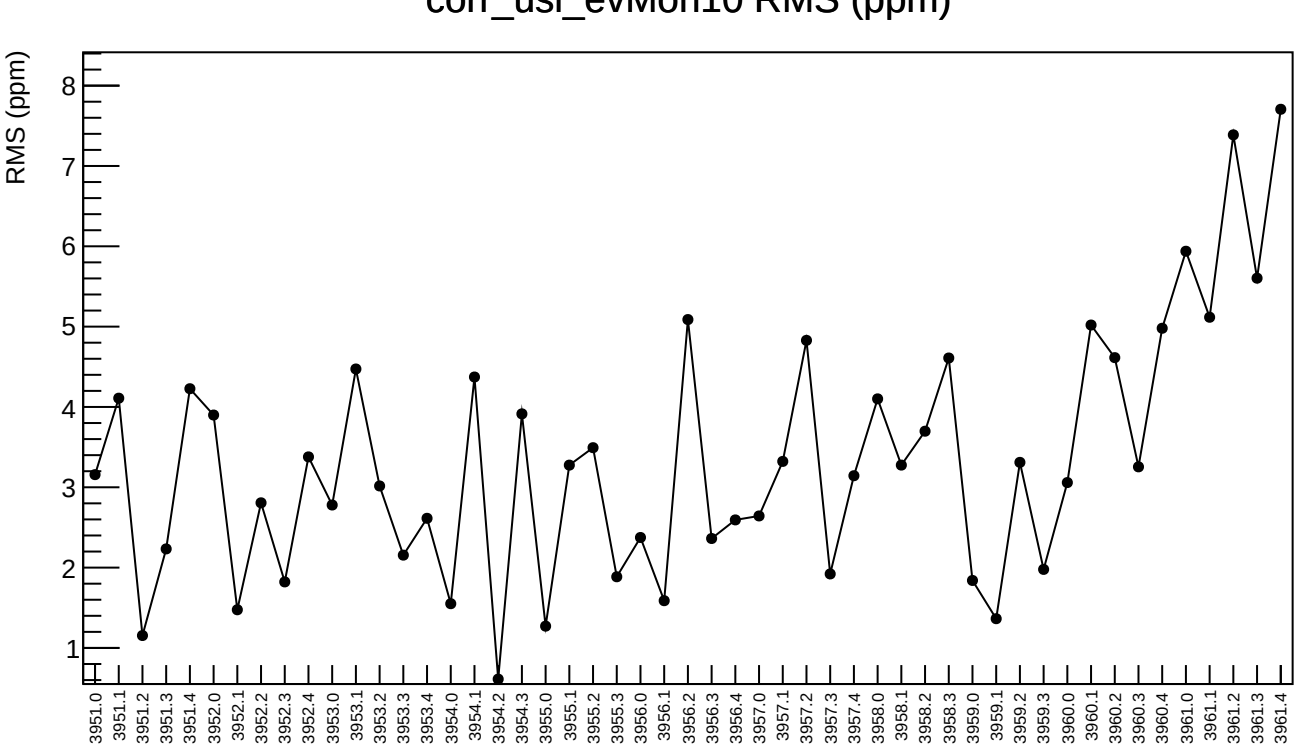

corr_usl_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

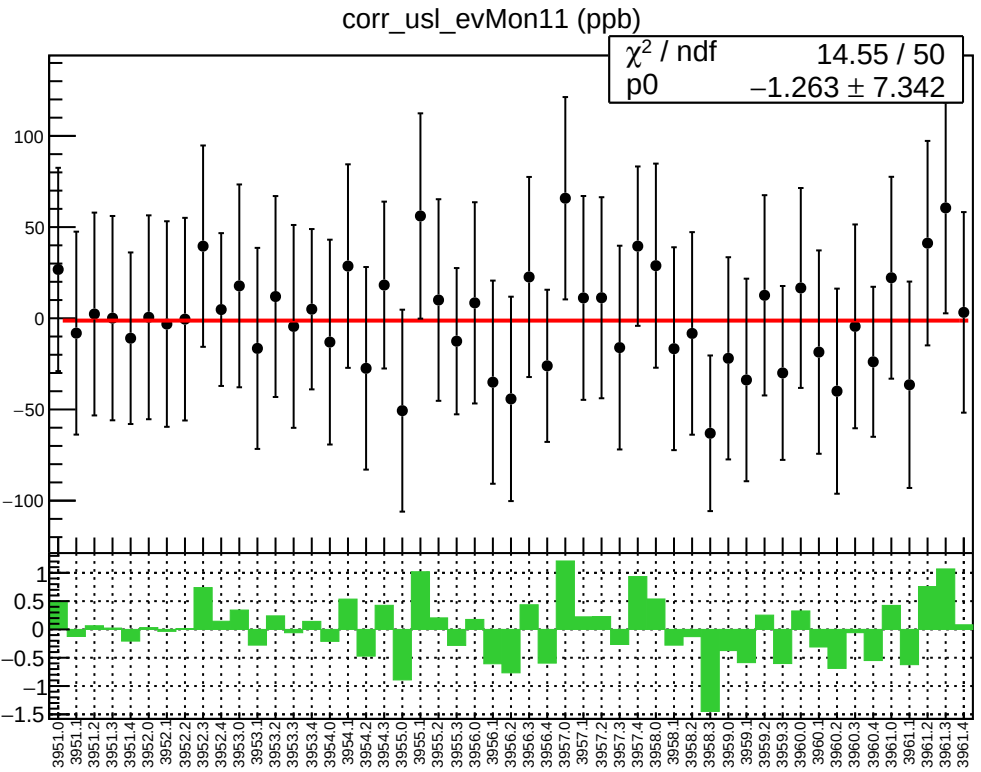

corr_usl_evMon9 (ppb)
χ² / ndf 23.49 / 50
p0 1.029 ± 5.052

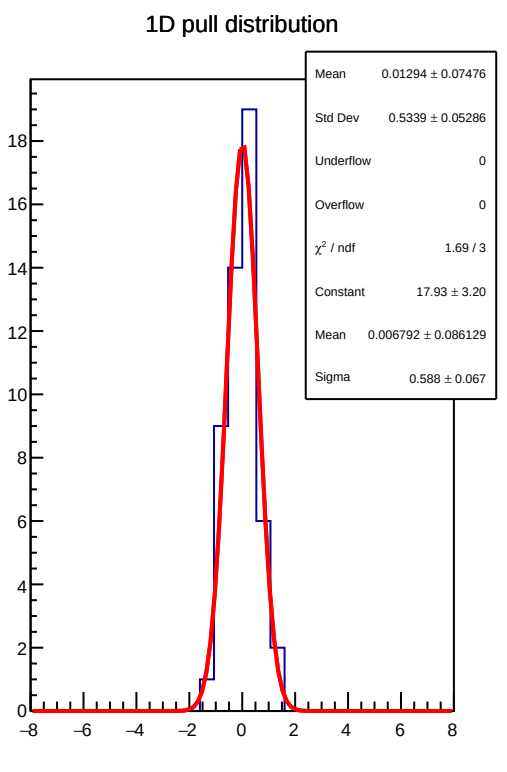

1D pull distribution
Mean 0.006723 ± 0.09502
Std Dev 0.6786 ± 0.06719
Underflow 0
Overflow 0
χ² / ndf 4.602 / 5
Constant 21.25 ± 4.28
Mean −0.128 ± 0.076
Sigma 0.4647 ± 0.0645

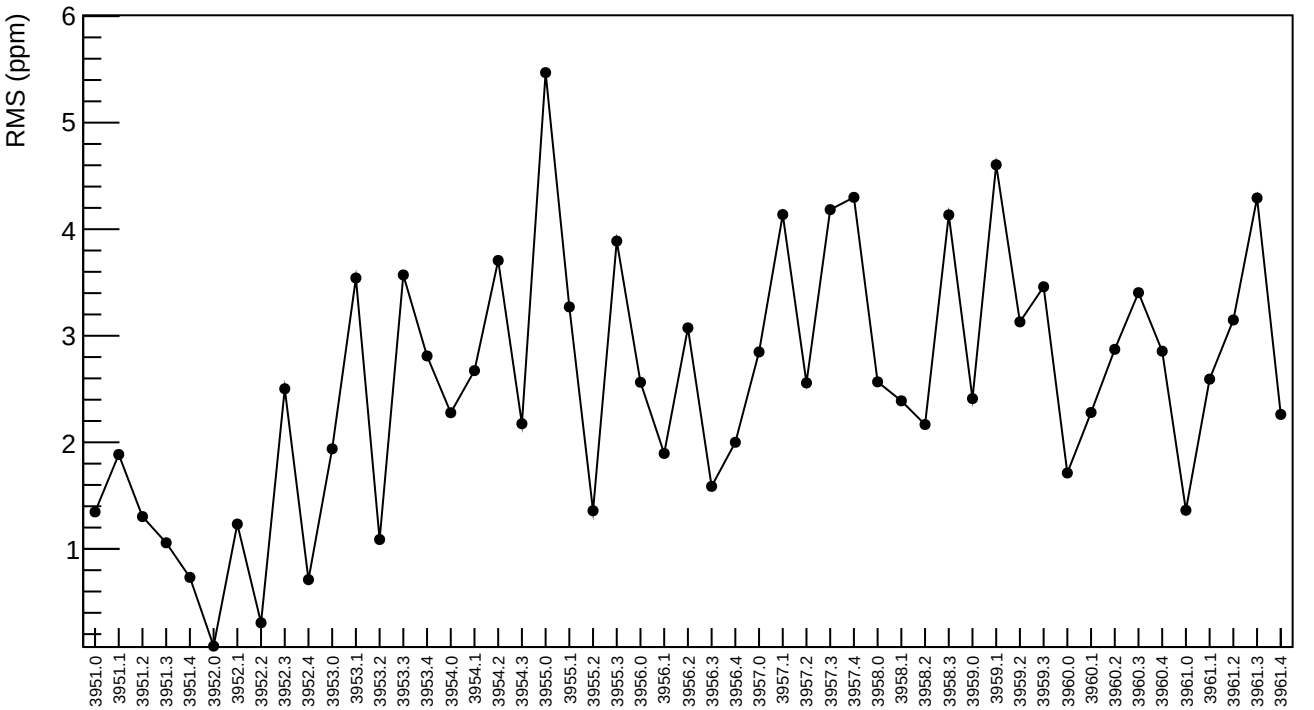

corr_usl_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

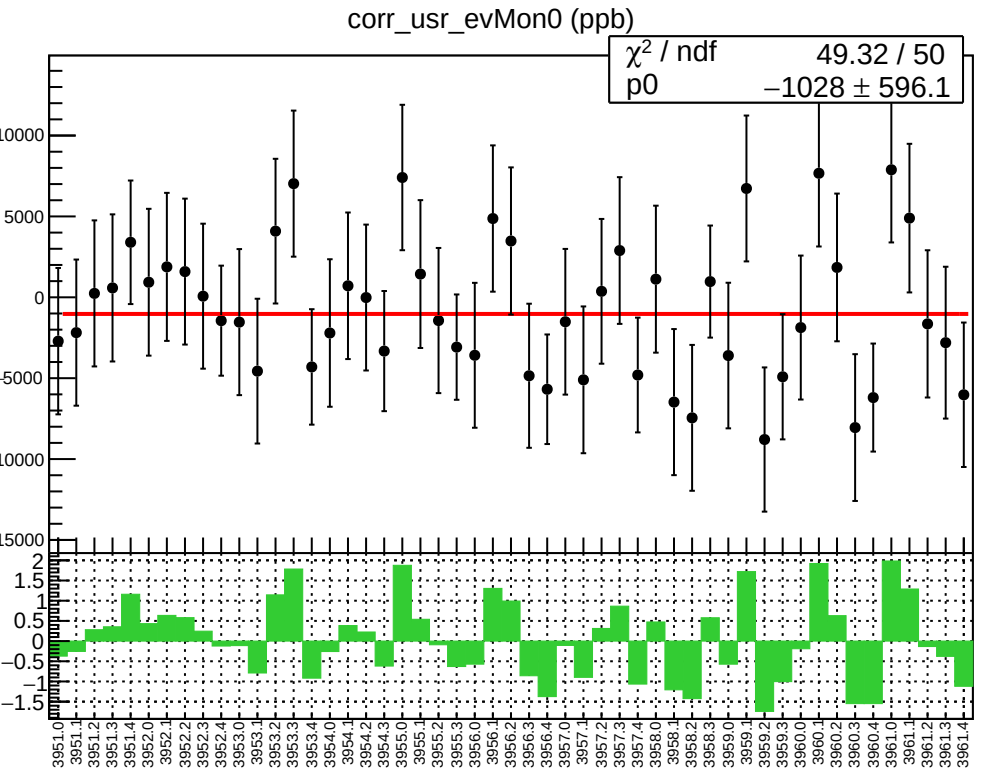

corr_usl_evMon10 (ppb)
χ² / ndf 15.31 / 50
p0 −0.936 ± 10.26
1D pull distribution
Mean 0.004943 ± 0.07673
Std Dev 0.548 ± 0.05426
Underflow 0
Overflow 0
χ² / ndf 1.311 / 2
Constant 21.84 ± 4.12
Mean −0.02568 ± 0.07726
Sigma 0.4959 ± 0.0730

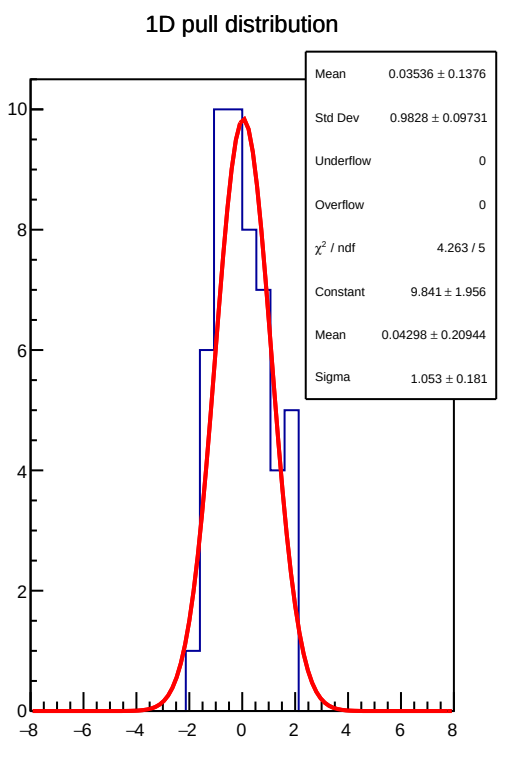

corr_usl_evMon10 RMS (ppm)
RMS (ppm)
8
7
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

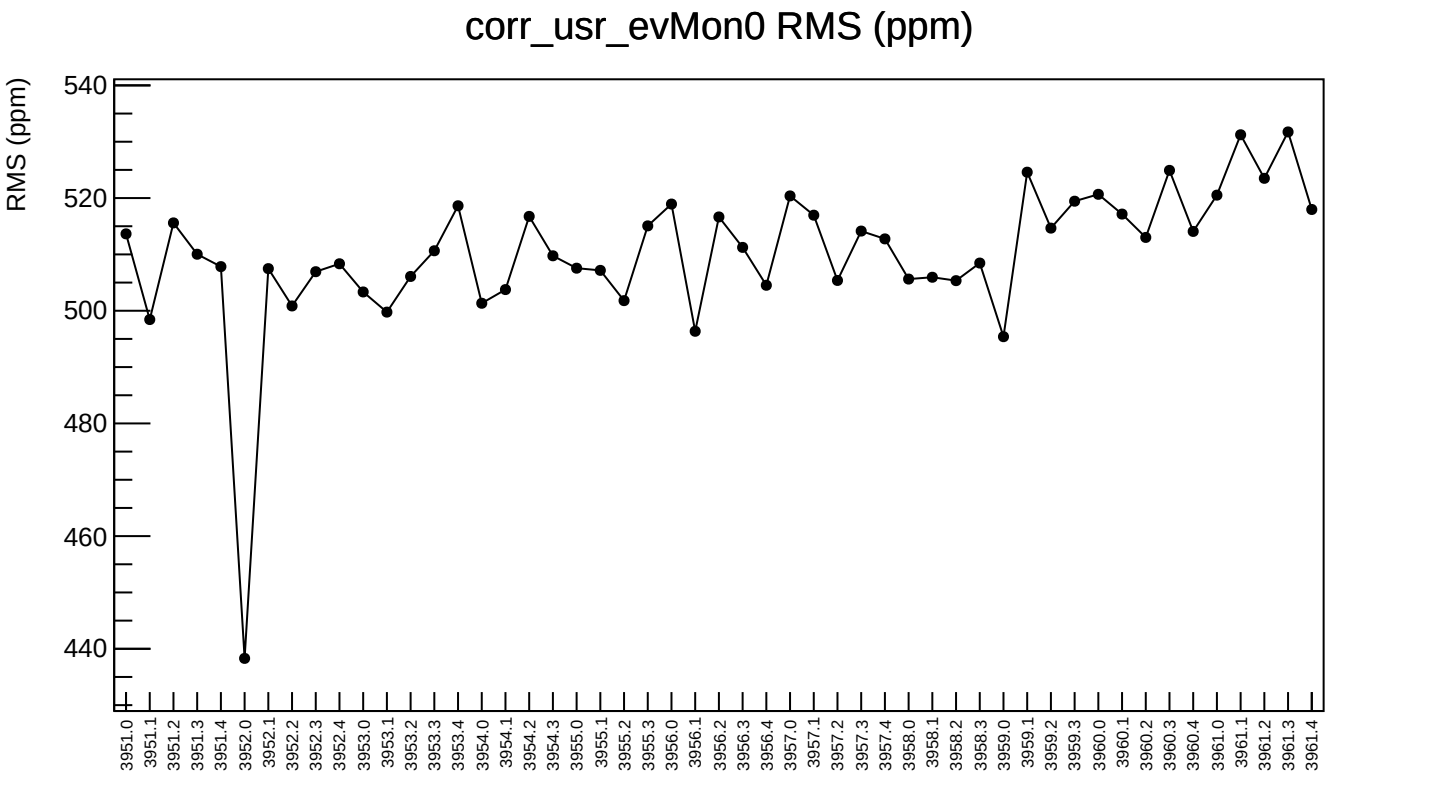

corr_usl_evMon11 (ppb)
χ² / ndf 14.55 / 50
p0 −1.263 ± 7.342
100
50
0
−50
−100
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

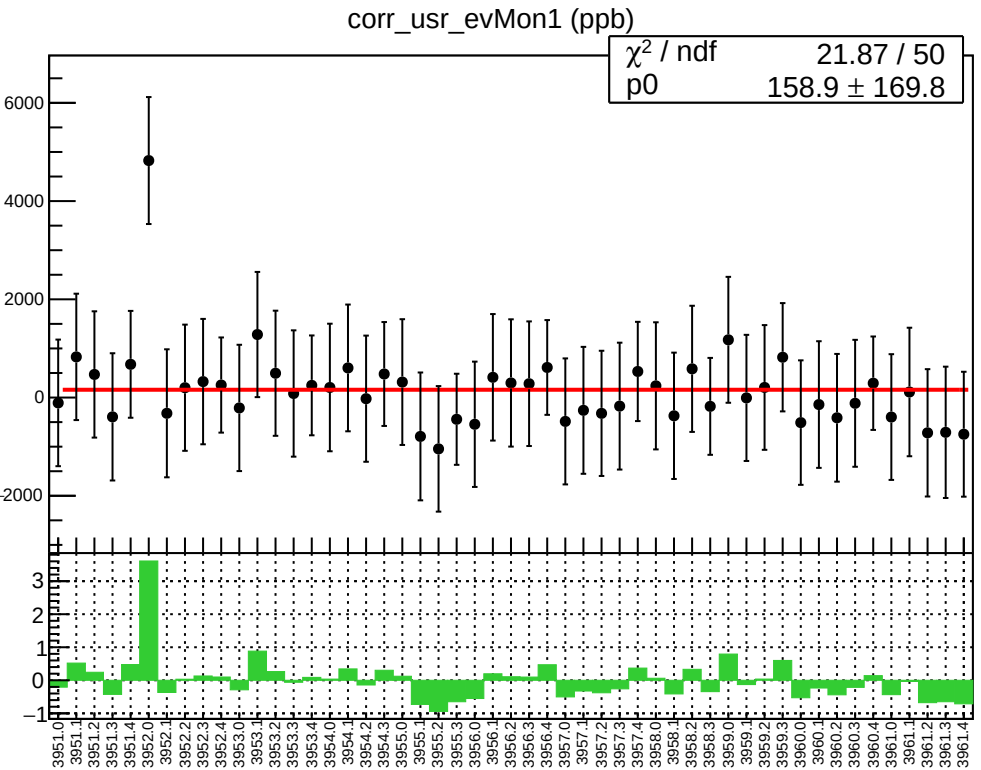

1D pull distribution
Mean 0.01294 ± 0.07476
Std Dev 0.5339 ± 0.05286
Underflow 0
Overflow 0
χ² / ndf 1.69 / 3
Constant 17.93 ± 3.20
Mean 0.006792 ± 0.086129
Sigma 0.588 ± 0.067
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

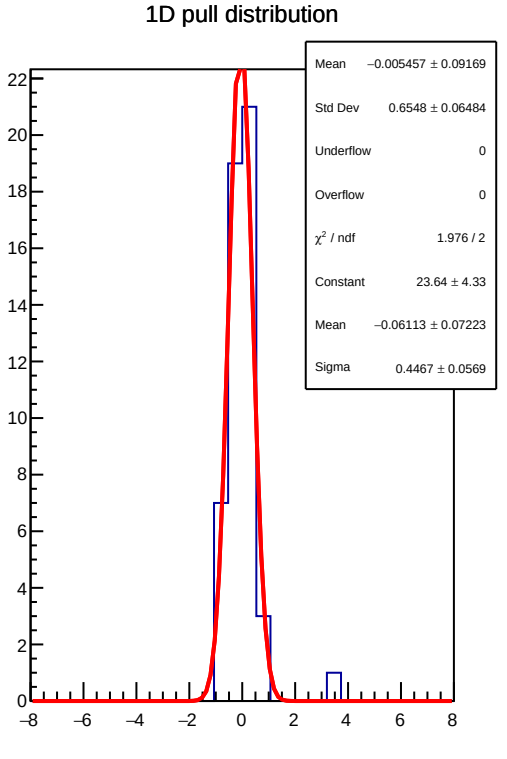

corr_usl_evMon11 RMS (ppm)
RMS (ppm)
6
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

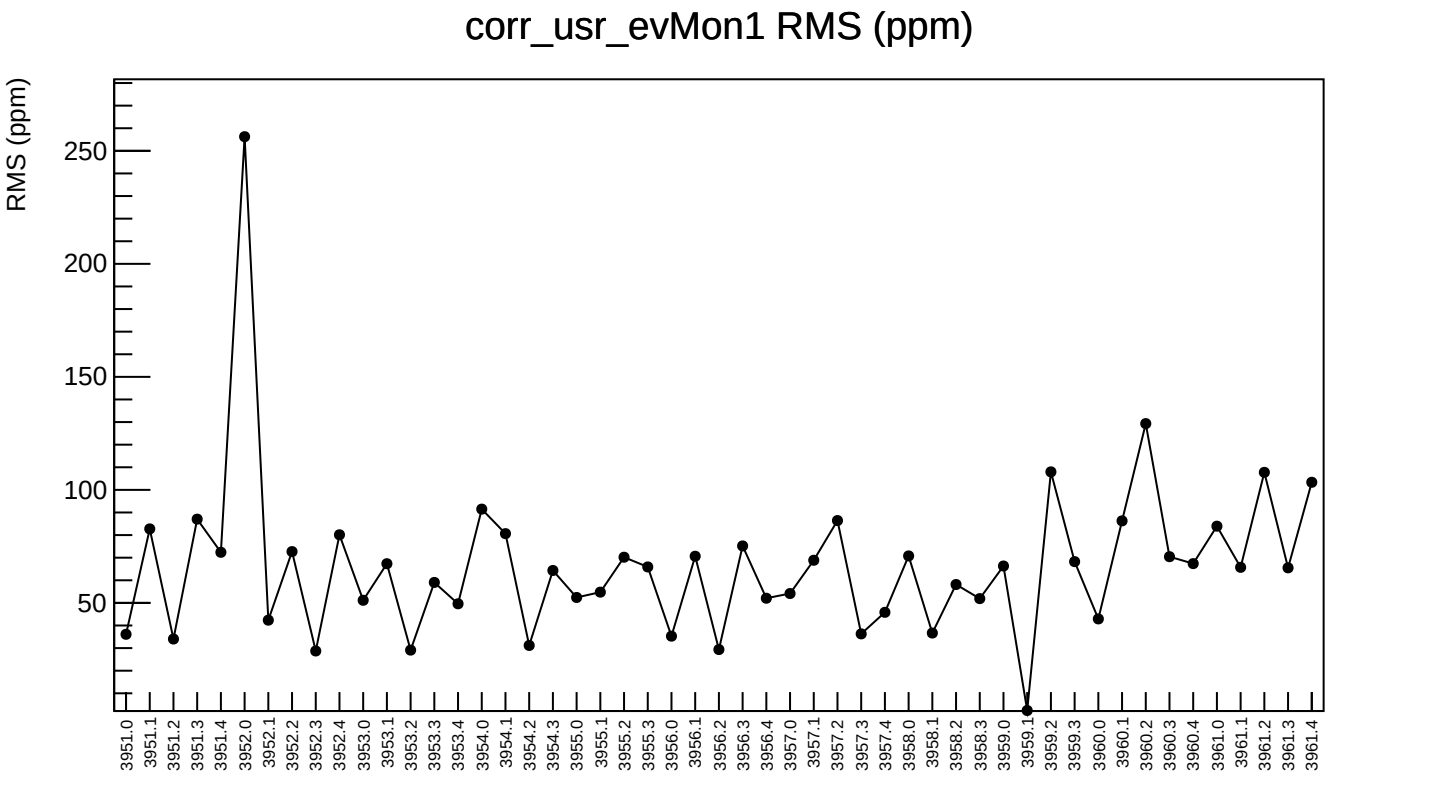

corr_usr_evMon0 (ppb)
χ² / ndf 49.32 / 50
p0 −1028 ± 596.1
10000
5000
0
−5000
−10000
−15000
2
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

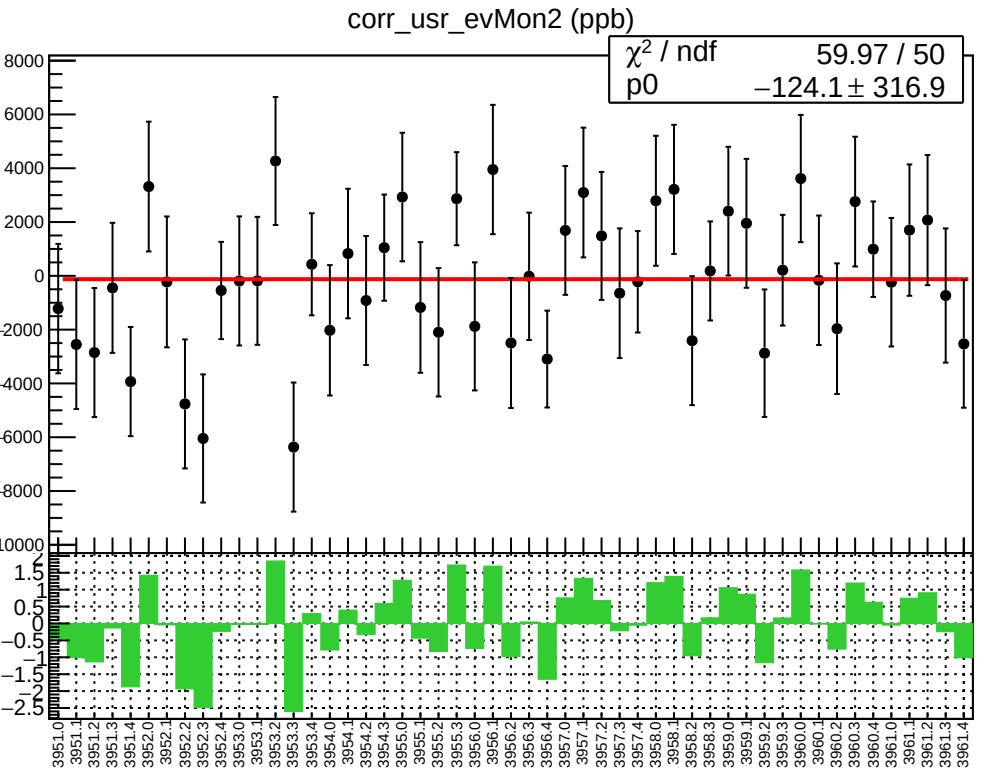

1D pull distribution
Mean 0.03536 ± 0.1376
Std Dev 0.9828 ± 0.09731
Underflow 0
Overflow 0
χ² / ndf 4.263 / 5
Constant 9.841 ± 1.956
Mean 0.04298 ± 0.20944
Sigma 1.053 ± 0.181
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

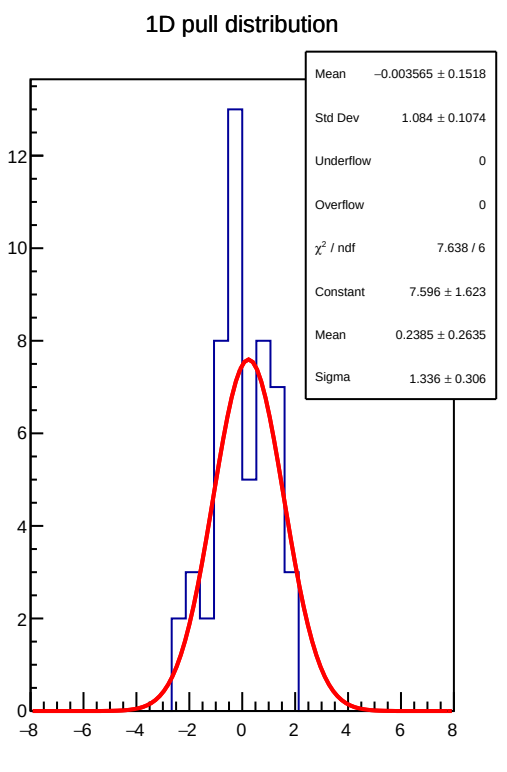

corr_usr_evMon0 RMS (ppm)
RMS (ppm)
540
520
500
480
460
440
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

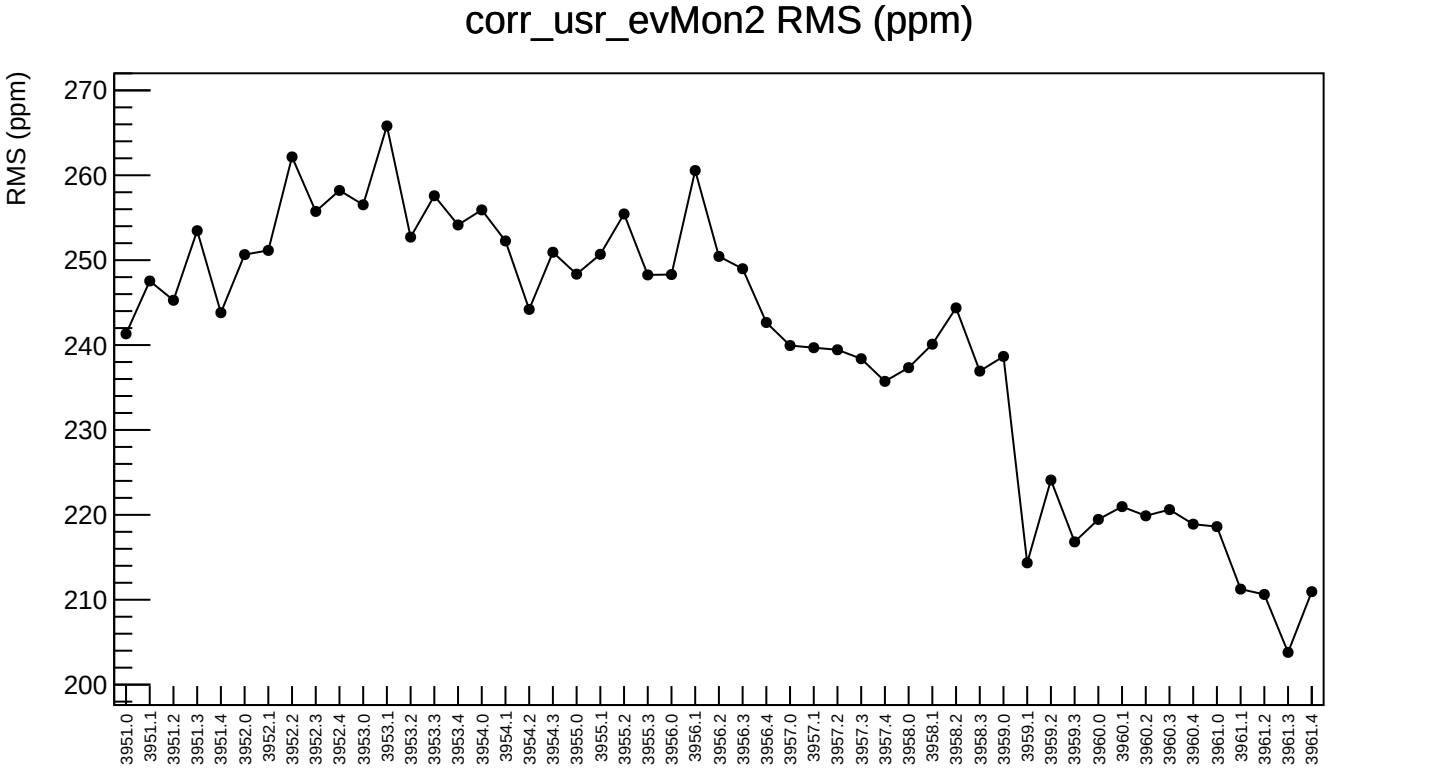

corr_usr_evMon1 (ppb)
χ² / ndf 21.87 / 50
p0 158.9 ± 169.8
6000
4000
2000
0
-2000
3
2
1
0
−1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

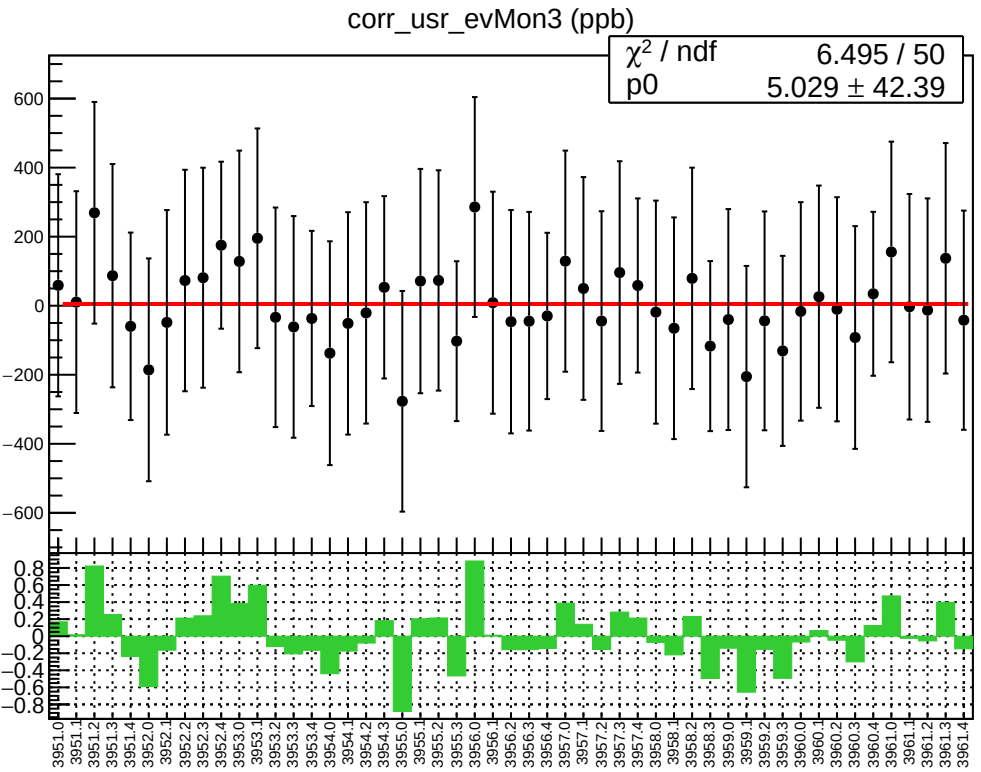

1D pull distribution
Mean −0.005457 ± 0.09169
Std Dev 0.6548 ± 0.06484
Underflow 0
Overflow 0
χ² / ndf 1.976 / 2
Constant 23.64 ± 4.33
Mean −0.06113 ± 0.07223
Sigma 0.4467 ± 0.0569
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

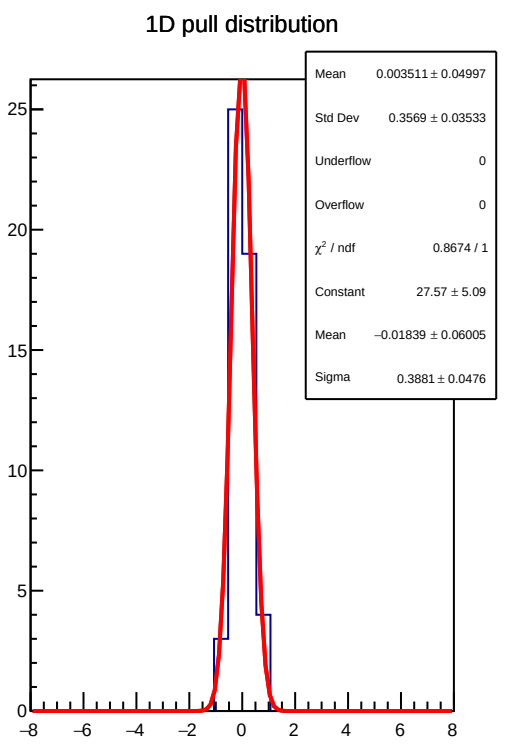

corr_usr_evMon1 RMS (ppm)
RMS (ppm)
250
200
150
100
50
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

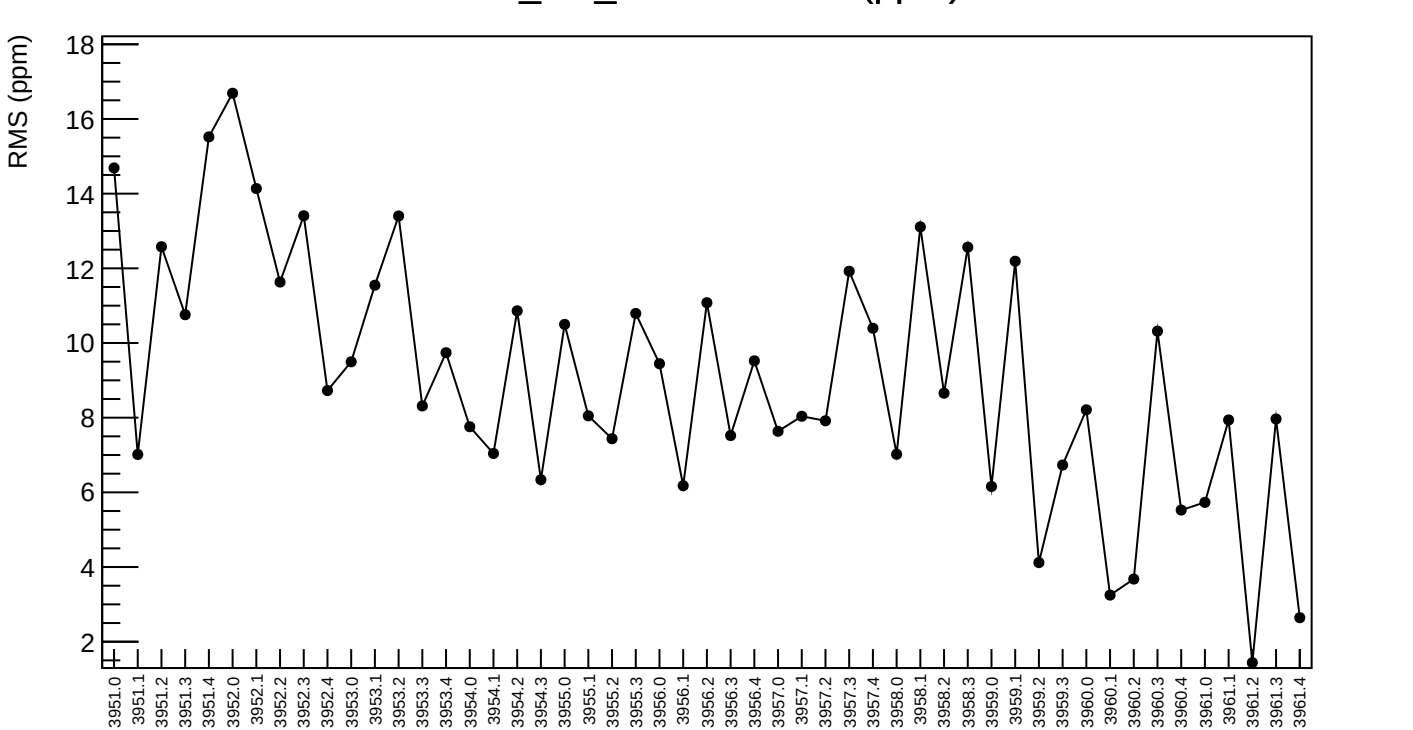

corr_usr_evMon2 (ppb)
χ² / ndf 59.97 / 50
p0 −124.1 ± 316.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

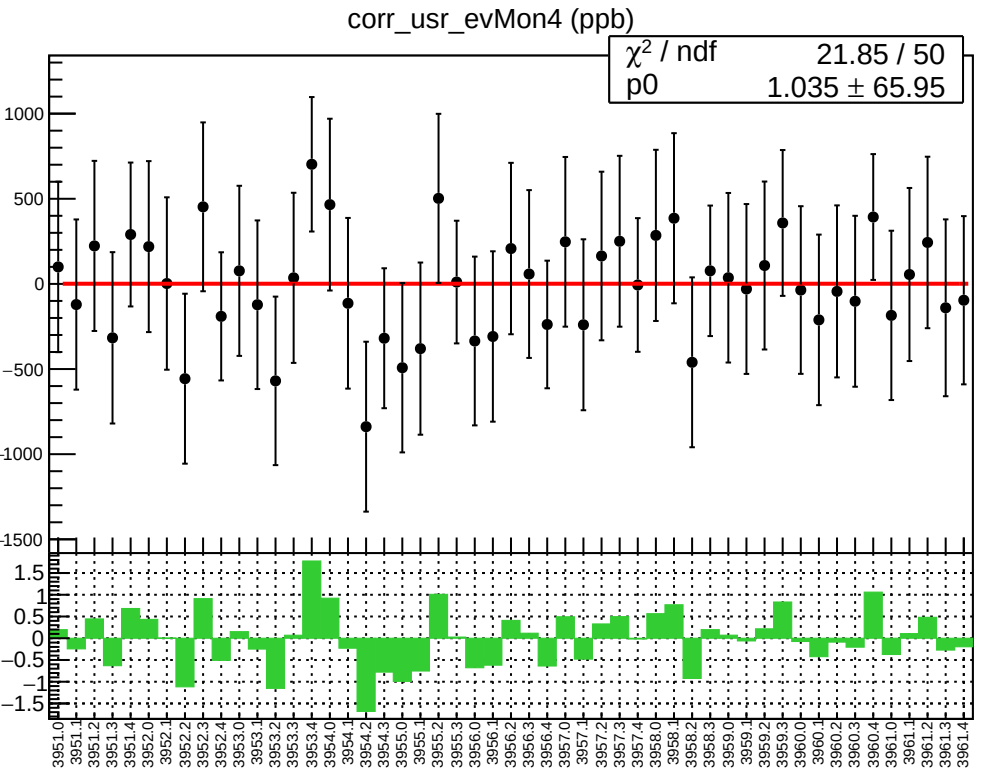

1D pull distribution
Mean −0.003565 ± 0.1518
Std Dev 1.084 ± 0.1074
Underflow 0
Overflow 0
χ² / ndf 7.638 / 6
Constant 7.596 ± 1.623
Mean 0.2385 ± 0.2635
Sigma 1.336 ± 0.306
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

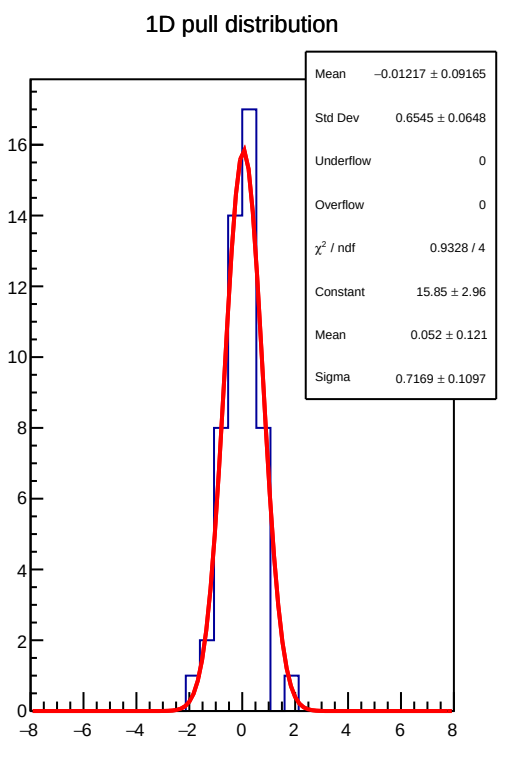

corr_usr_evMon2 RMS (ppm)
RMS (ppm)
270
260
250
240
230
220
210
200
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

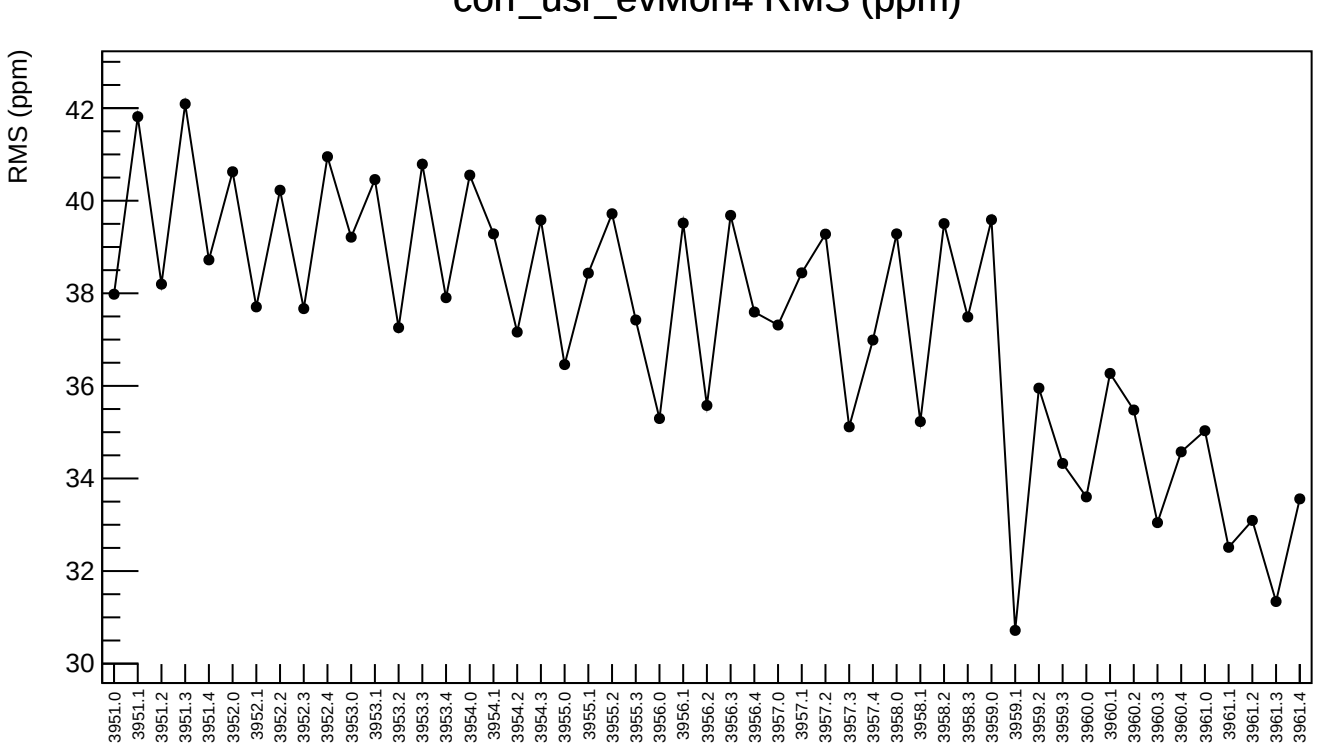

corr_usr_evMon3 (ppb)
χ² / ndf 6.495 / 50
p0 5.029 ± 42.39
600
400
200
0
−200
−400
−600
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

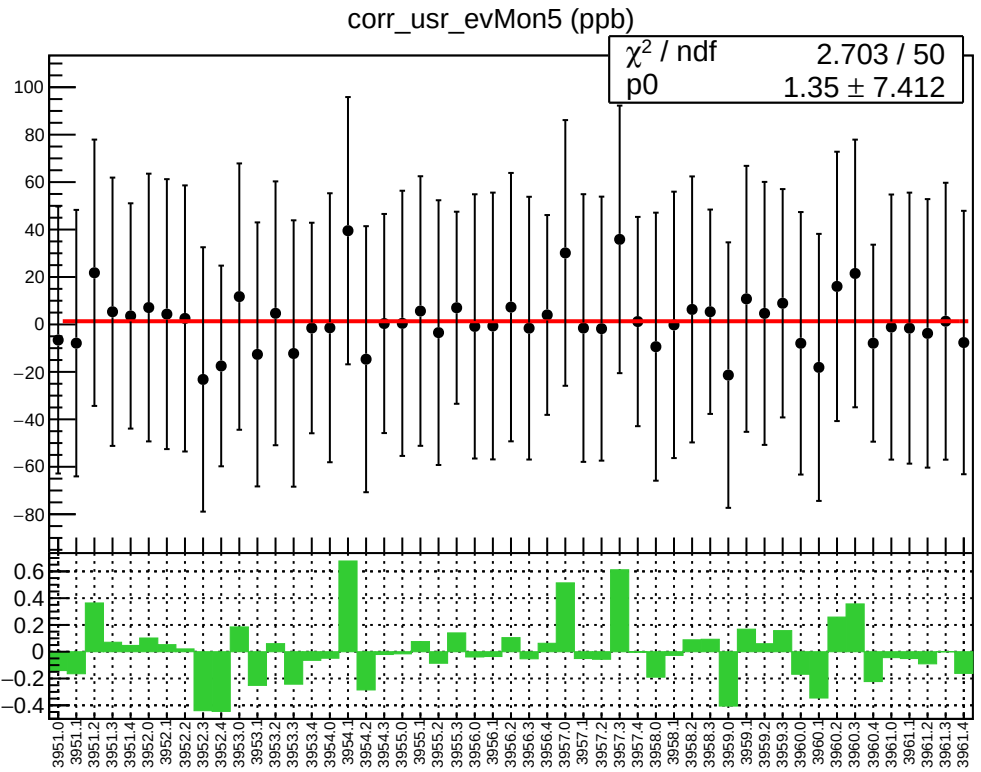

1D pull distribution
Mean 0.003511 ± 0.04997
Std Dev 0.3569 ± 0.03533
Underflow 0
Overflow 0
χ² / ndf 0.8674 / 1
Constant 27.57 ± 5.09
Mean −0.01839 ± 0.06005
Sigma 0.3881 ± 0.0476
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

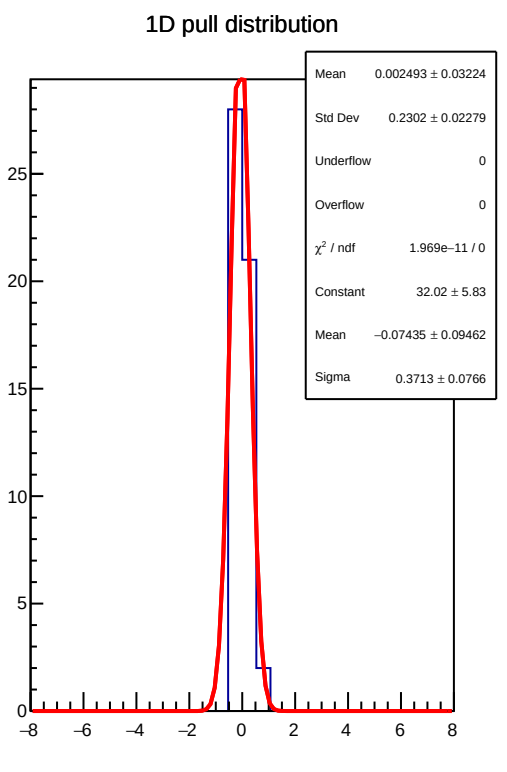

corr_usr_evMon3 RMS (ppm)
RMS (ppm)
18
16
14
12
10
8
6
4
2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

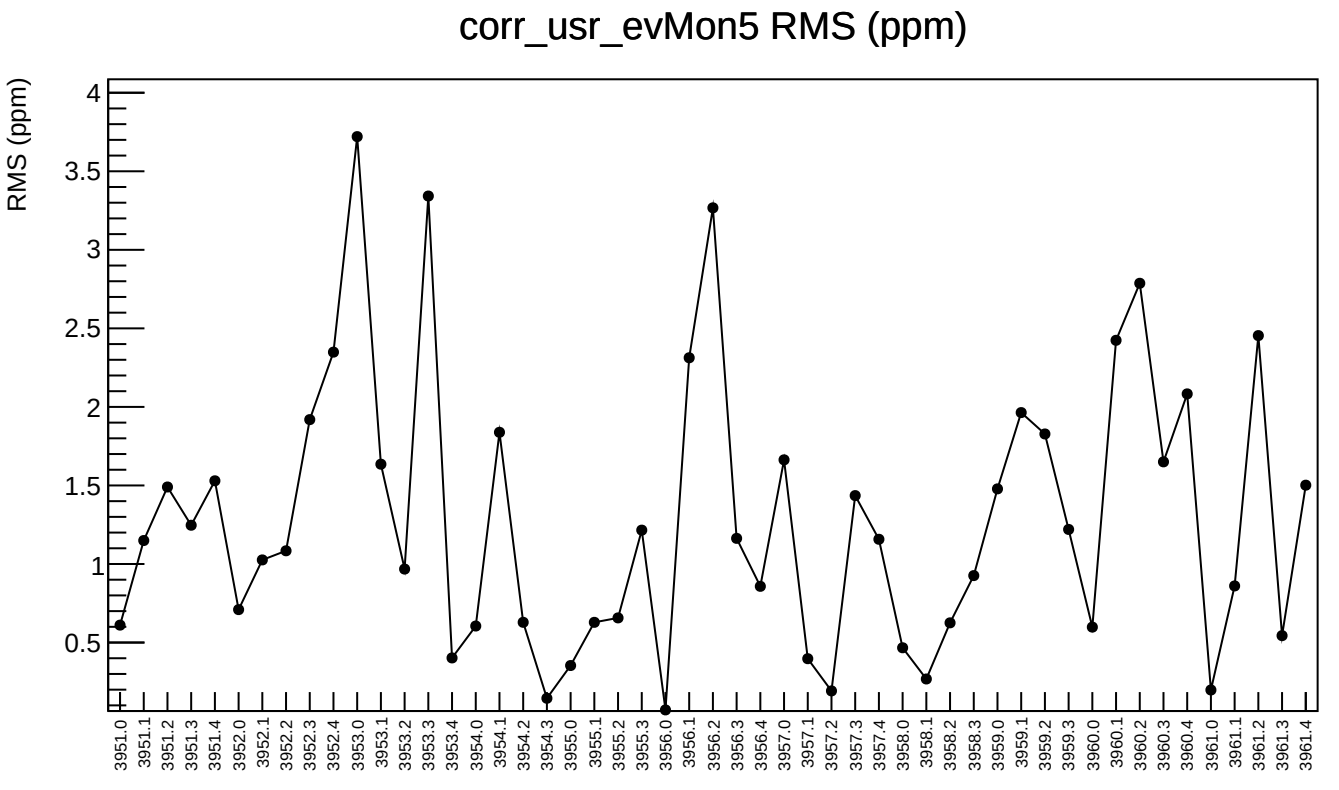

corr_usr_evMon4 (ppb)
χ² / ndf 21.85 / 50
p0 1.035 ± 65.95
1000
500
0
−500
−1000
−1500
1.5
1
0.5
0
−0.5
−1
−1.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

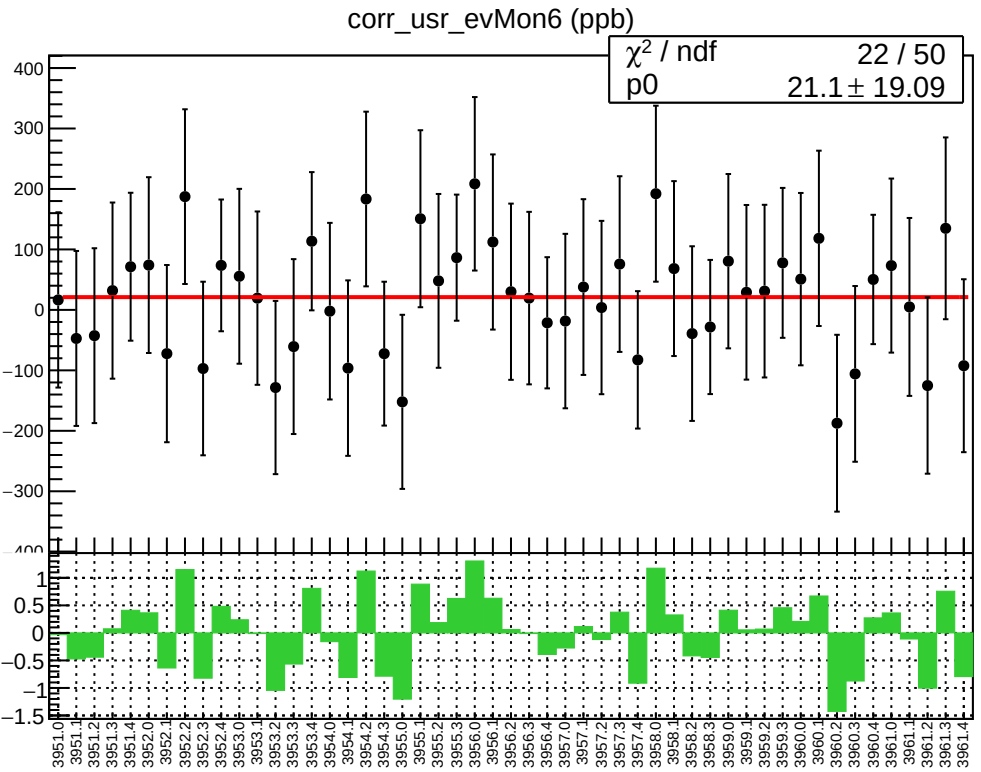

1D pull distribution
Mean −0.01217 ± 0.09165
Std Dev 0.6545 ± 0.0648
Underflow 0
Overflow 0
χ² / ndf 0.9328 / 4
Constant 15.85 ± 2.96
Mean 0.052 ± 0.121
Sigma 0.7169 ± 0.1097
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

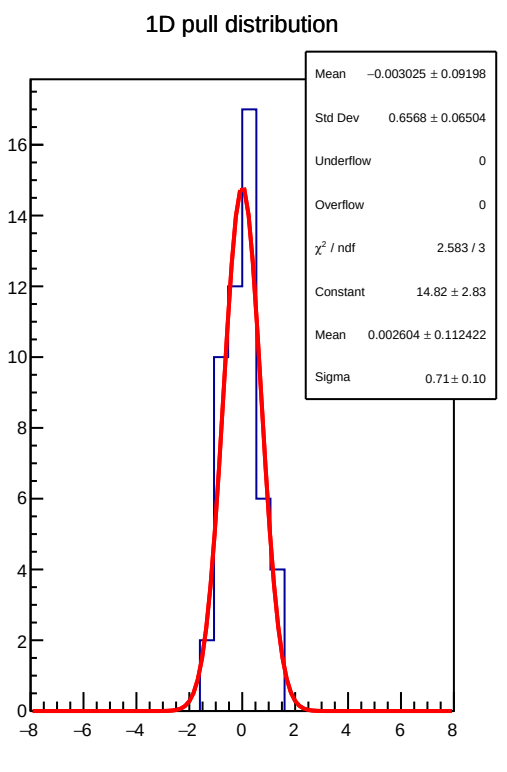

corr_usr_evMon4 RMS (ppm)
RMS (ppm)
42
40
38
36
34
32
30
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4

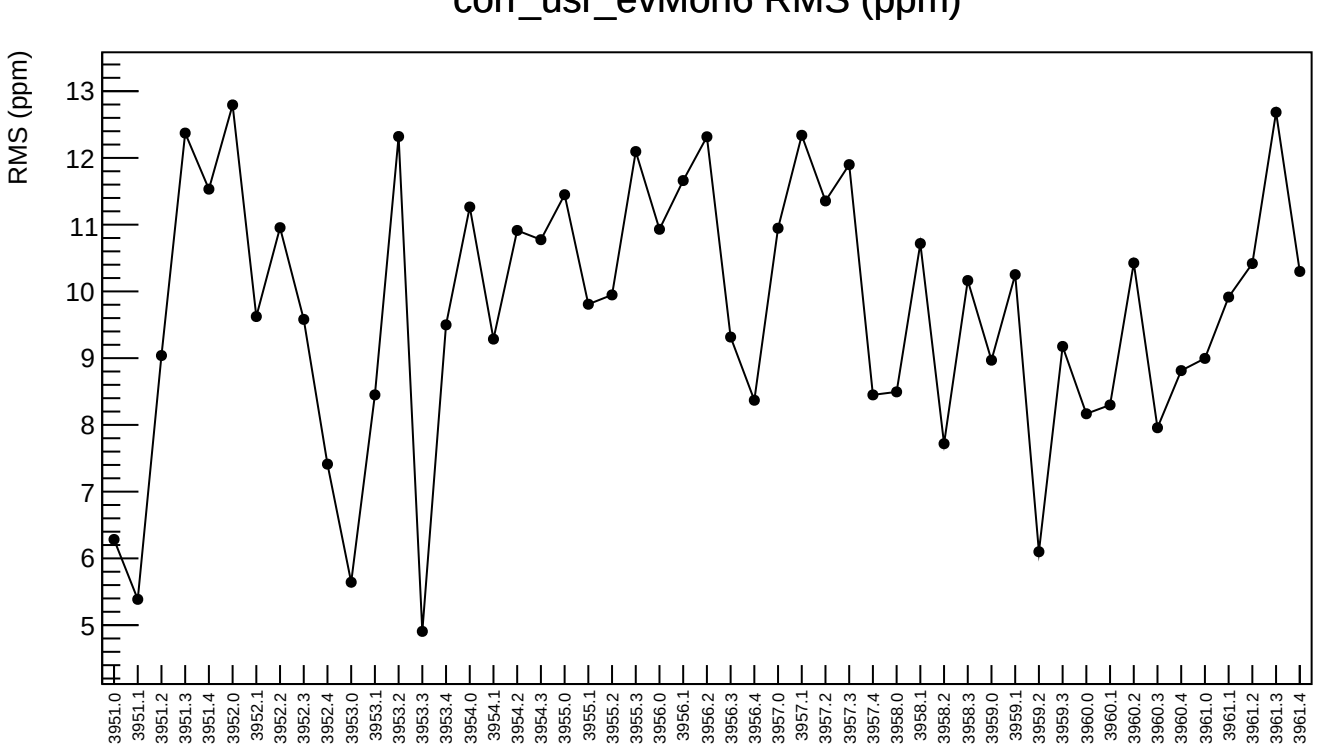

corr_usr_evMon5 (ppb)
χ² / ndf 2.703 / 50
p0 1.35 ± 7.412
100
80
60
40
20
0
−20
−40
−60
−80
0.6
0.4
0.2
0
−0.2
−0.4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean 0.002493 ± 0.03224
Std Dev 0.2302 ± 0.02279
Underflow 0
Overflow 0
χ² / ndf 1.969e−11 / 0
Constant 32.02 ± 5.83
Mean −0.07435 ± 0.09462
Sigma 0.3713 ± 0.0766
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon5 RMS (ppm)
RMS (ppm)
4
3.5
3
2.5
2
1.5
1
0.5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


corr_usr_evMon6 (ppb)
χ² / ndf 22 / 50
p0 21.1 ± 19.09


1D pull distribution
Mean −0.003025 ± 0.09198
Std Dev 0.6568 ± 0.06504
Underflow 0
Overflow 0
χ² / ndf 2.583 / 3
Constant 14.82 ± 2.83
Mean 0.002604 ± 0.112422
Sigma 0.71 ± 0.10


corr_usr_evMon6 RMS (ppm)
RMS (ppm)
13
12
11
10
9
8
7
6
5
3951.0
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3951.4
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3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
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3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
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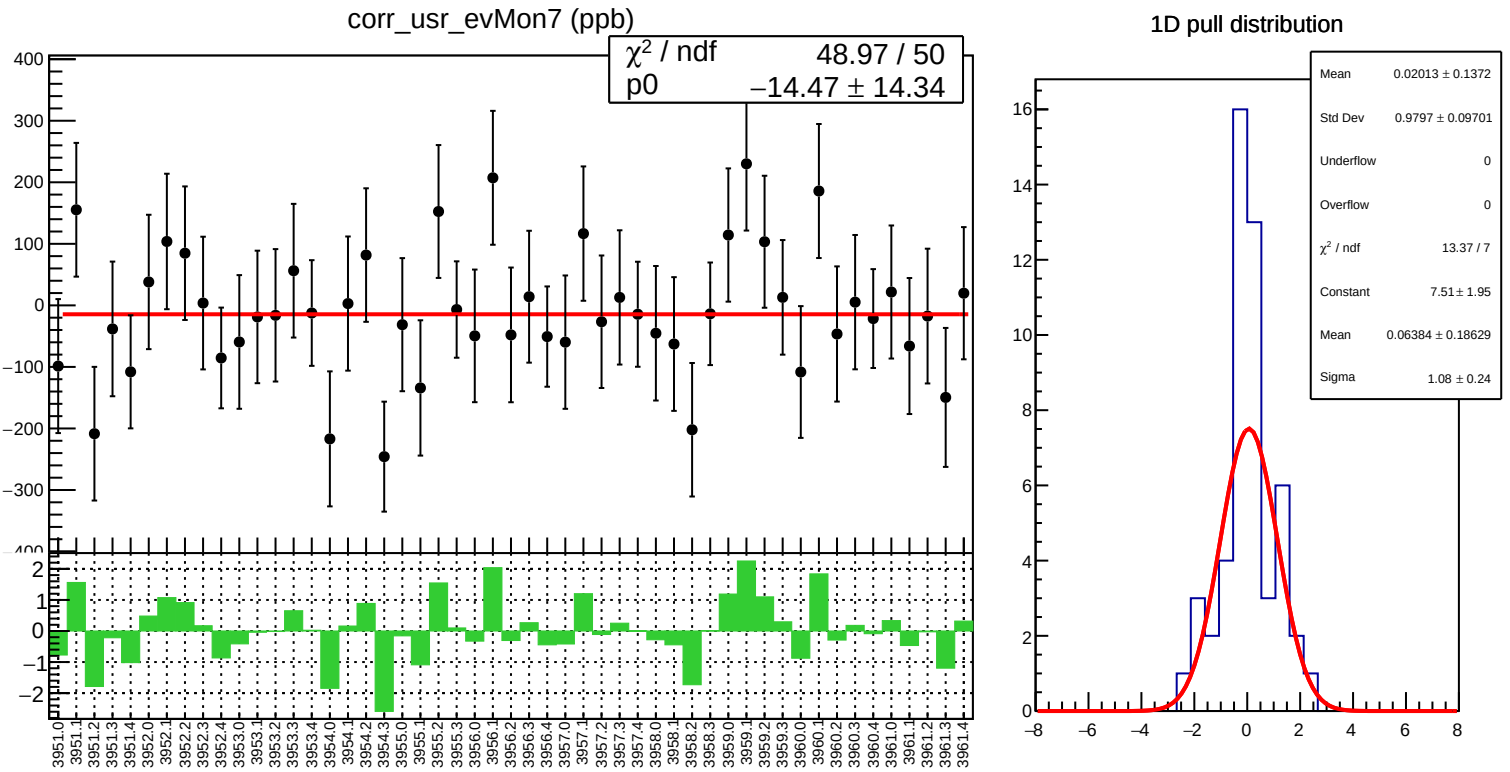
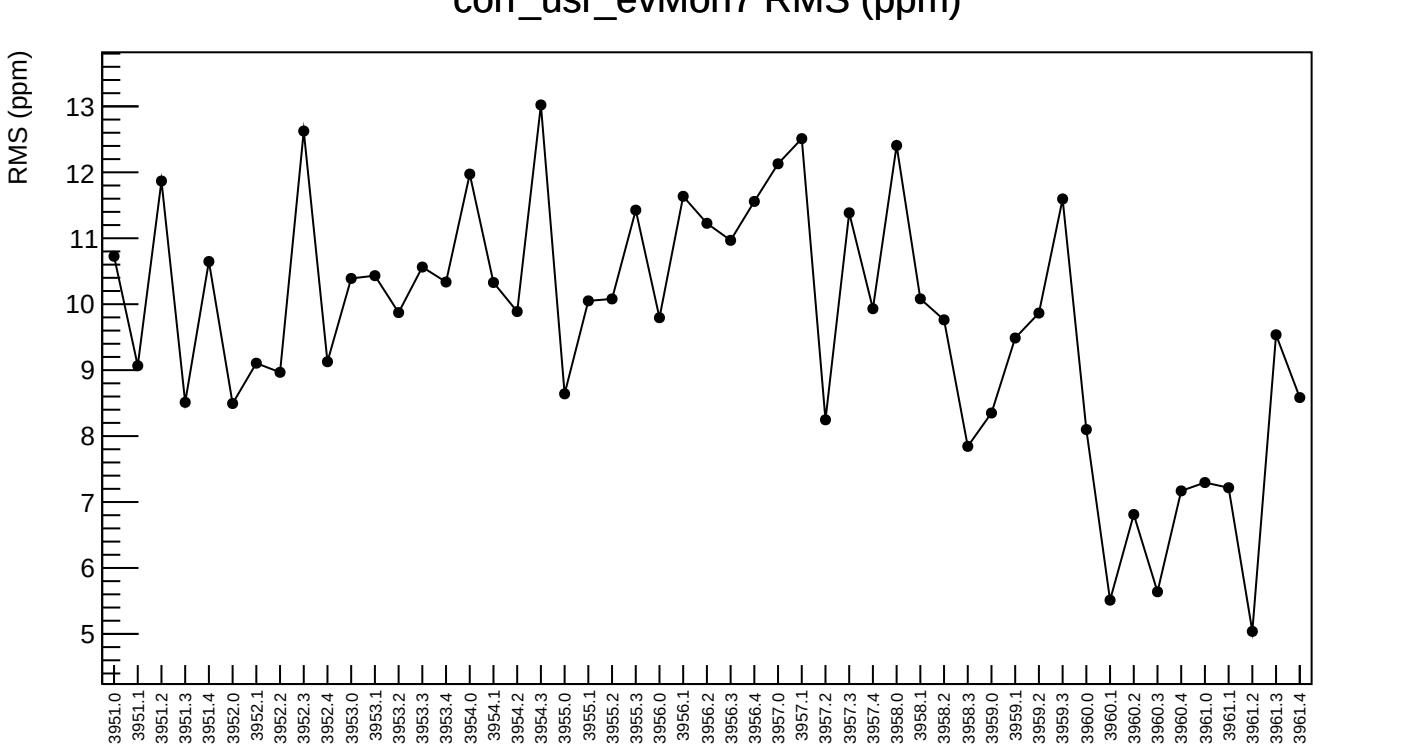
3961.1
3961.2
3961.3
3961.4


corr_usr_evMon7 (ppb)
χ² / ndf 48.97 / 50
p0 −14.47 ± 14.34
1D pull distribution
Mean 0.02013 ± 0.1372
Std Dev 0.9797 ± 0.09701
Underflow 0
Overflow 0
χ² / ndf 13.37 / 7
Constant 7.51 ± 1.95
Mean 0.06384 ± 0.18629
Sigma 1.08 ± 0.24


corr_usr_evMon7 RMS (ppm)
RMS (ppm)
13
12
11
10
9
8
7
6
5
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
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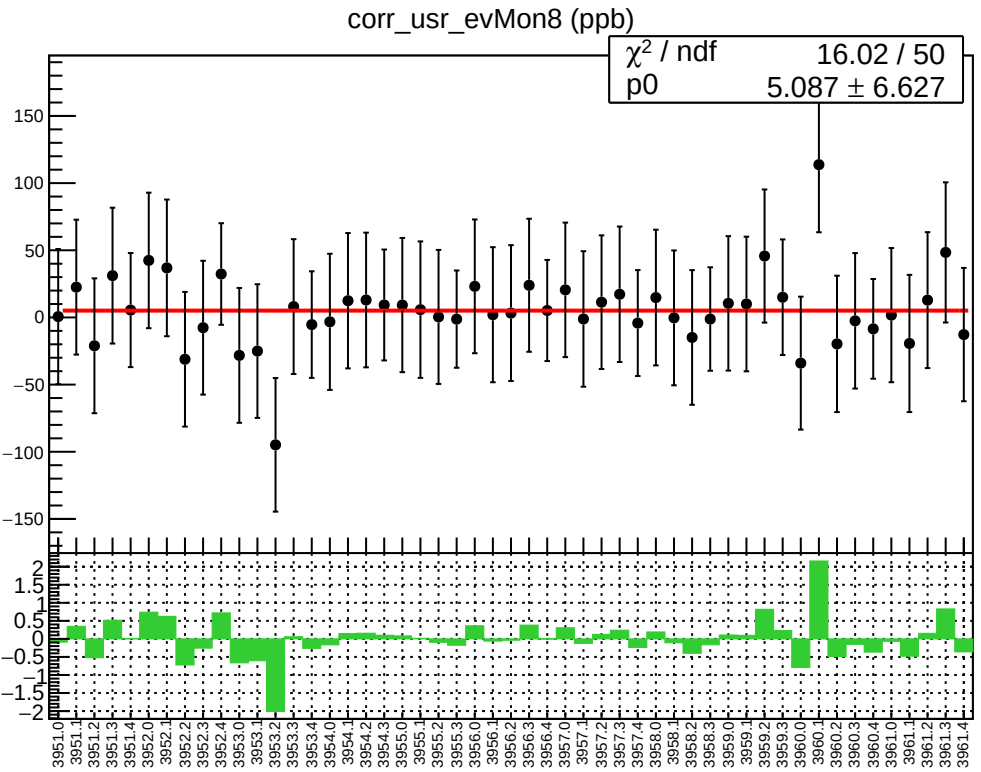
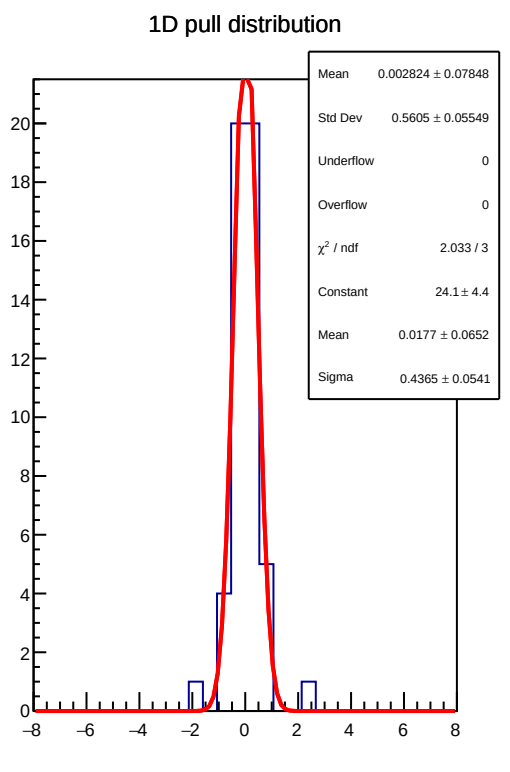
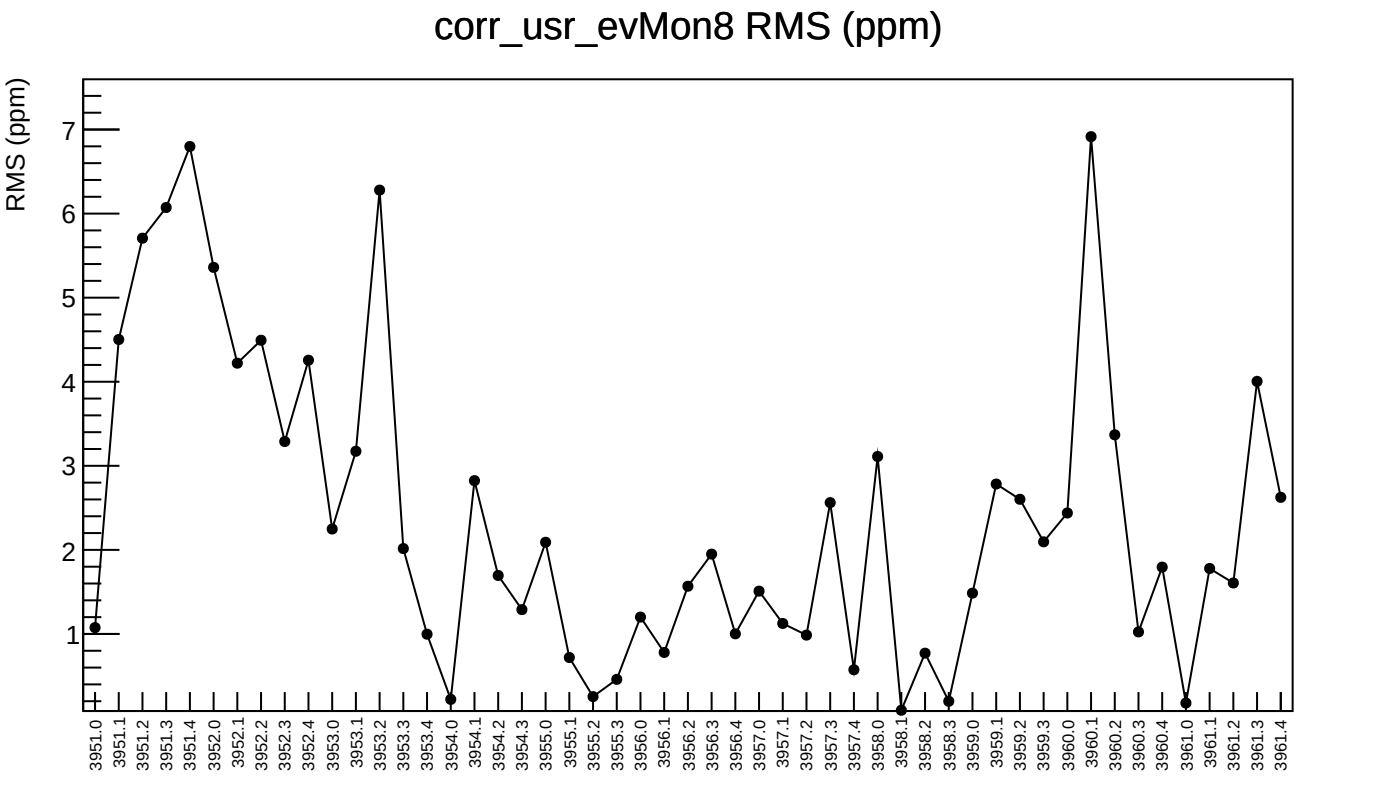
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


corr_usr_evMon8 (ppb)
χ² / ndf 16.02 / 50
p0 5.087 ± 6.627


1D pull distribution
Mean 0.002824 ± 0.07848
Std Dev 0.5605 ± 0.05549
Underflow 0
Overflow 0
χ² / ndf 2.033 / 3
Constant 24.1 ± 4.4
Mean 0.0177 ± 0.0652
Sigma 0.4365 ± 0.0541


corr_usr_evMon8 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
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3955.1
3955.2
3955.3
3956.0
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3956.4
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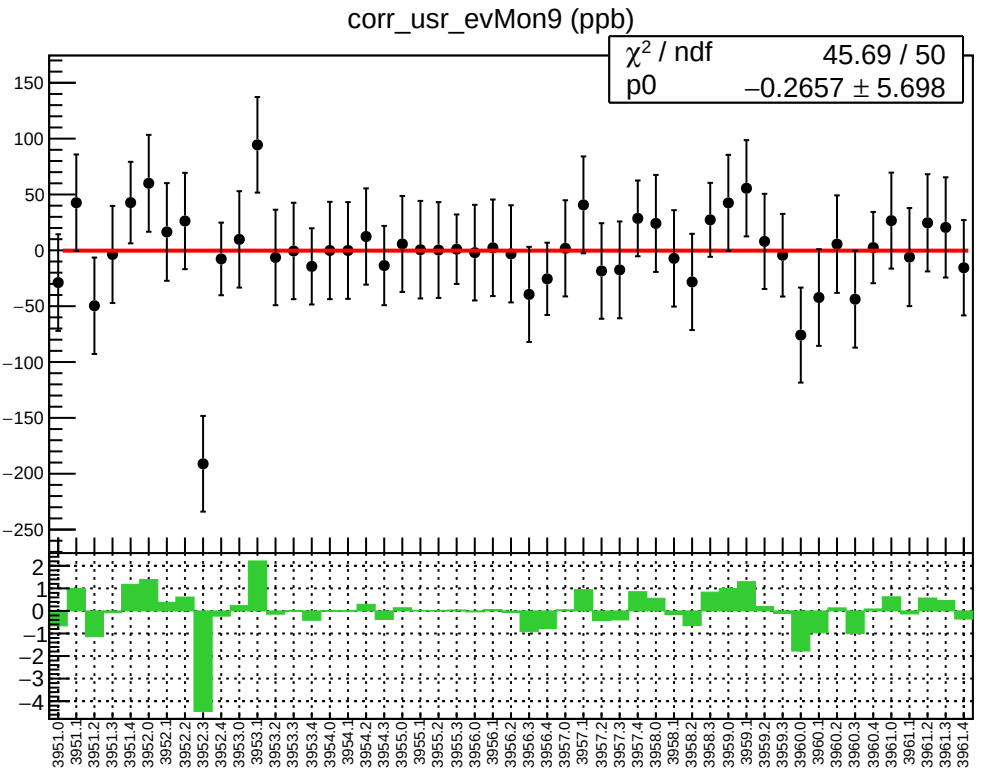
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


corr_usr_evMon9 (ppb)
χ² / ndf 45.69 / 50
p0 −0.2657 ± 5.698
150
100
50
0
−50
−100
−150
−200
−250
2
1
0
−1
−2
−3
−4
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
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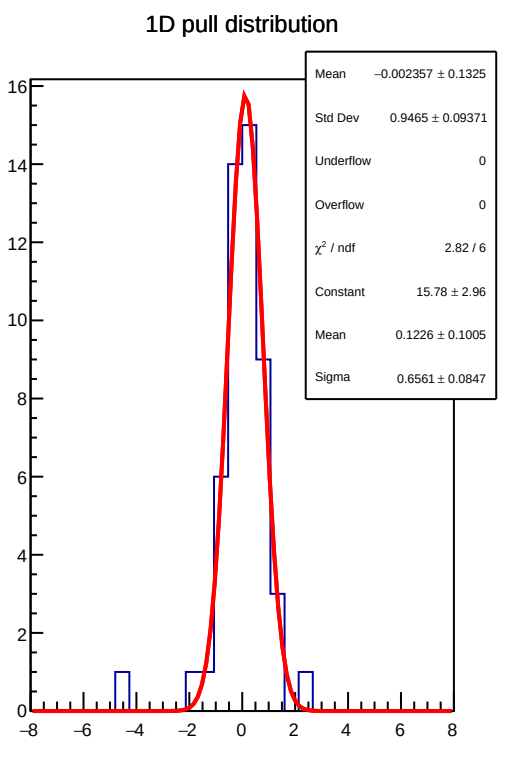
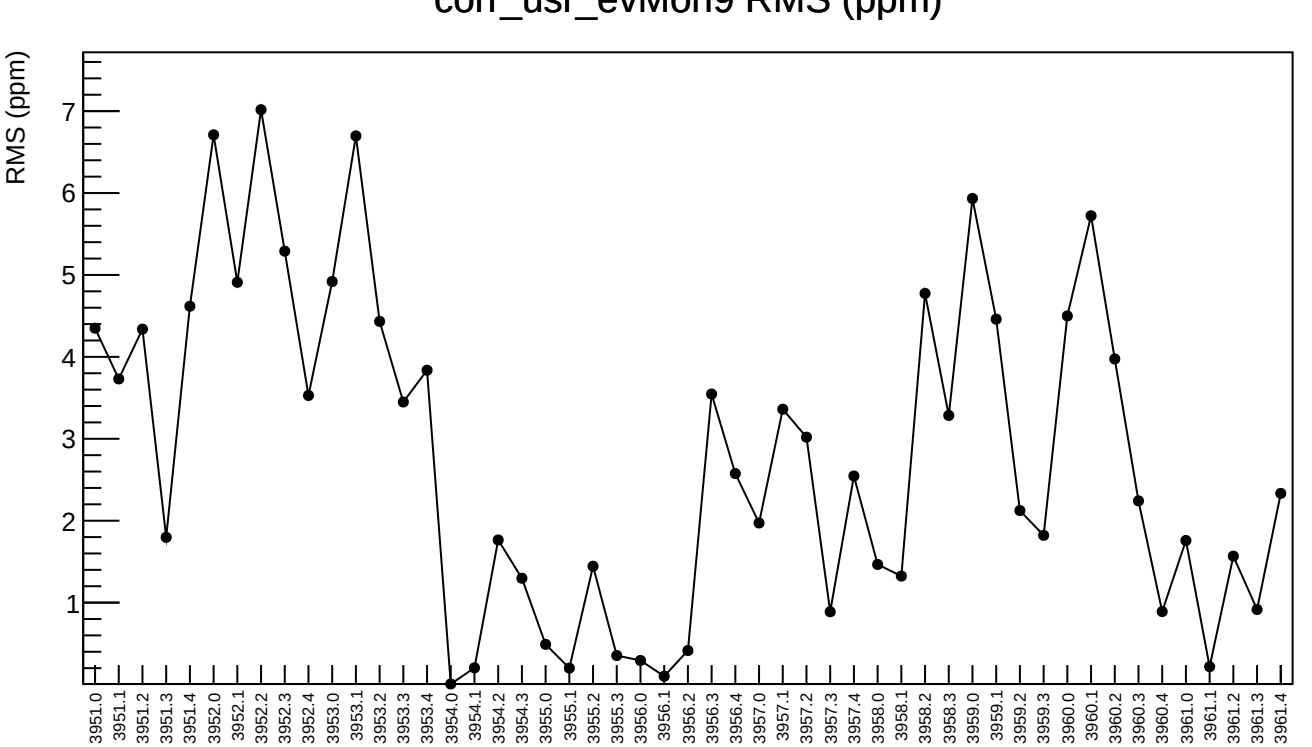
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


1D pull distribution
Mean −0.002357 ± 0.1325
Std Dev 0.9465 ± 0.09371
Underflow 0
Overflow 0
χ² / ndf 2.82 / 6
Constant 15.78 ± 2.96
Mean 0.1226 ± 0.1005
Sigma 0.6561 ± 0.0847
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon9 RMS (ppm)
RMS (ppm)
1
2
3
4
5
6
7
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
3954.1
3954.2
3954.3
3955.0
3955.1
3955.2
3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
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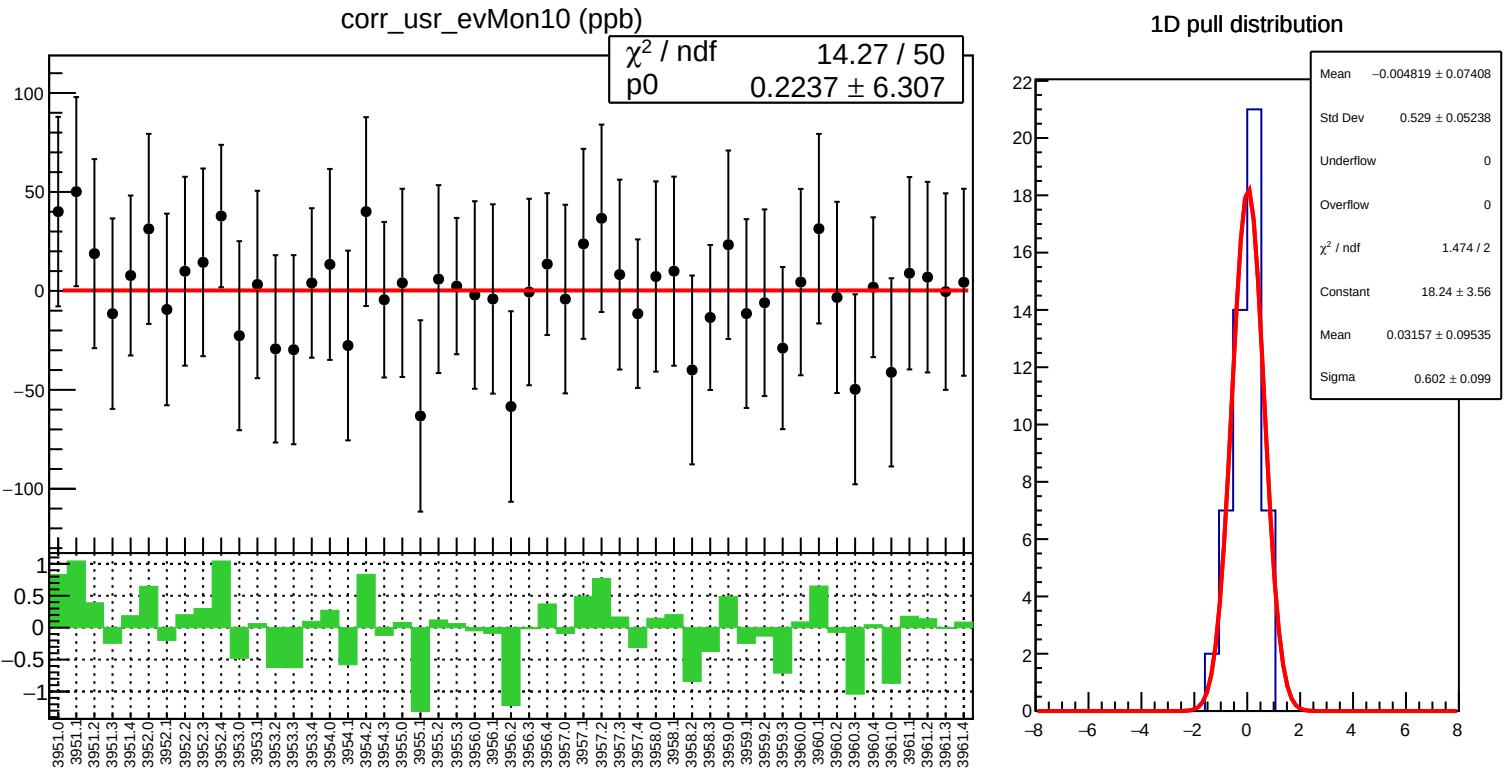
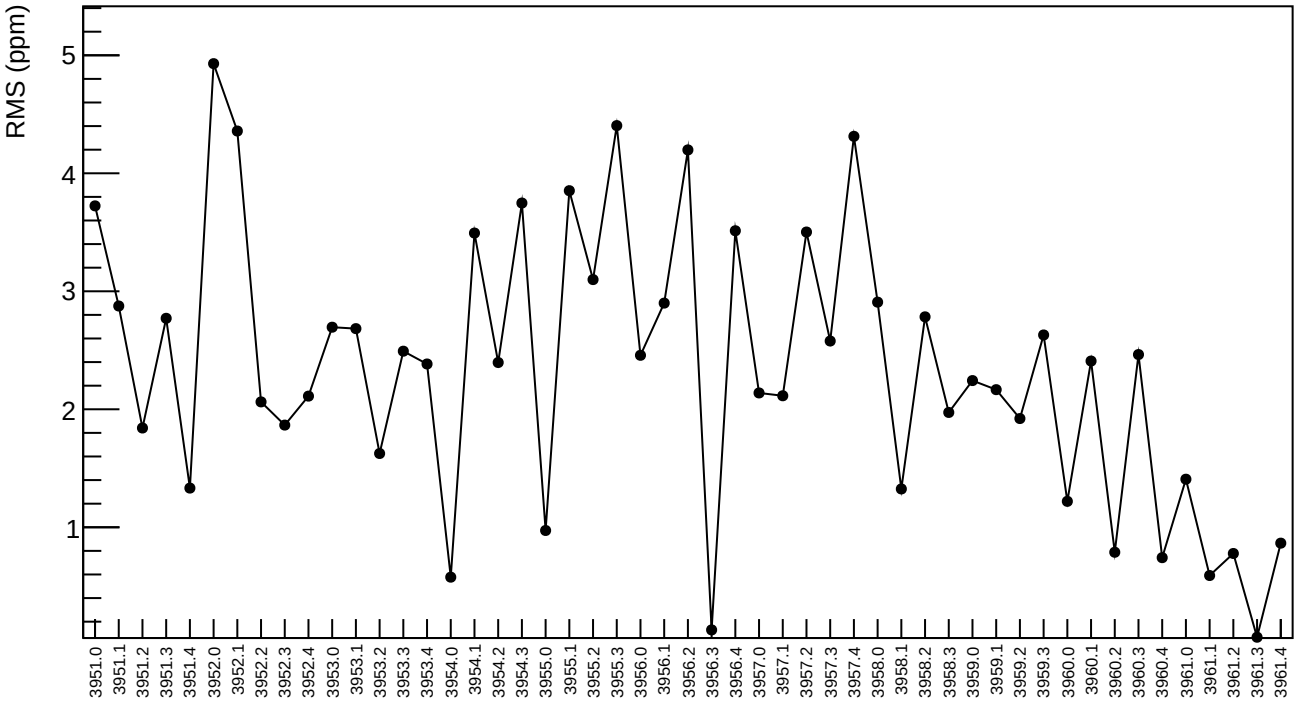
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4


corr_usr_evMon10 (ppb)
χ² / ndf 14.27 / 50
p0 0.2237 ± 6.307
1D pull distribution
Mean −0.004819 ± 0.07408
Std Dev 0.529 ± 0.05238
Underflow 0
Overflow 0
χ² / ndf 1.474 / 2
Constant 18.24 ± 3.56
Mean 0.03157 ± 0.09535
Sigma 0.602 ± 0.099


corr_usr_evMon10 RMS (ppm)
RMS (ppm)
5
4
3
2
1
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
3953.0
3953.1
3953.2
3953.3
3953.4
3954.0
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3955.1
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3955.3
3956.0
3956.1
3956.2
3956.3
3956.4
3957.0
3957.1
3957.2
3957.3
3957.4
3958.0
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
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3960.3
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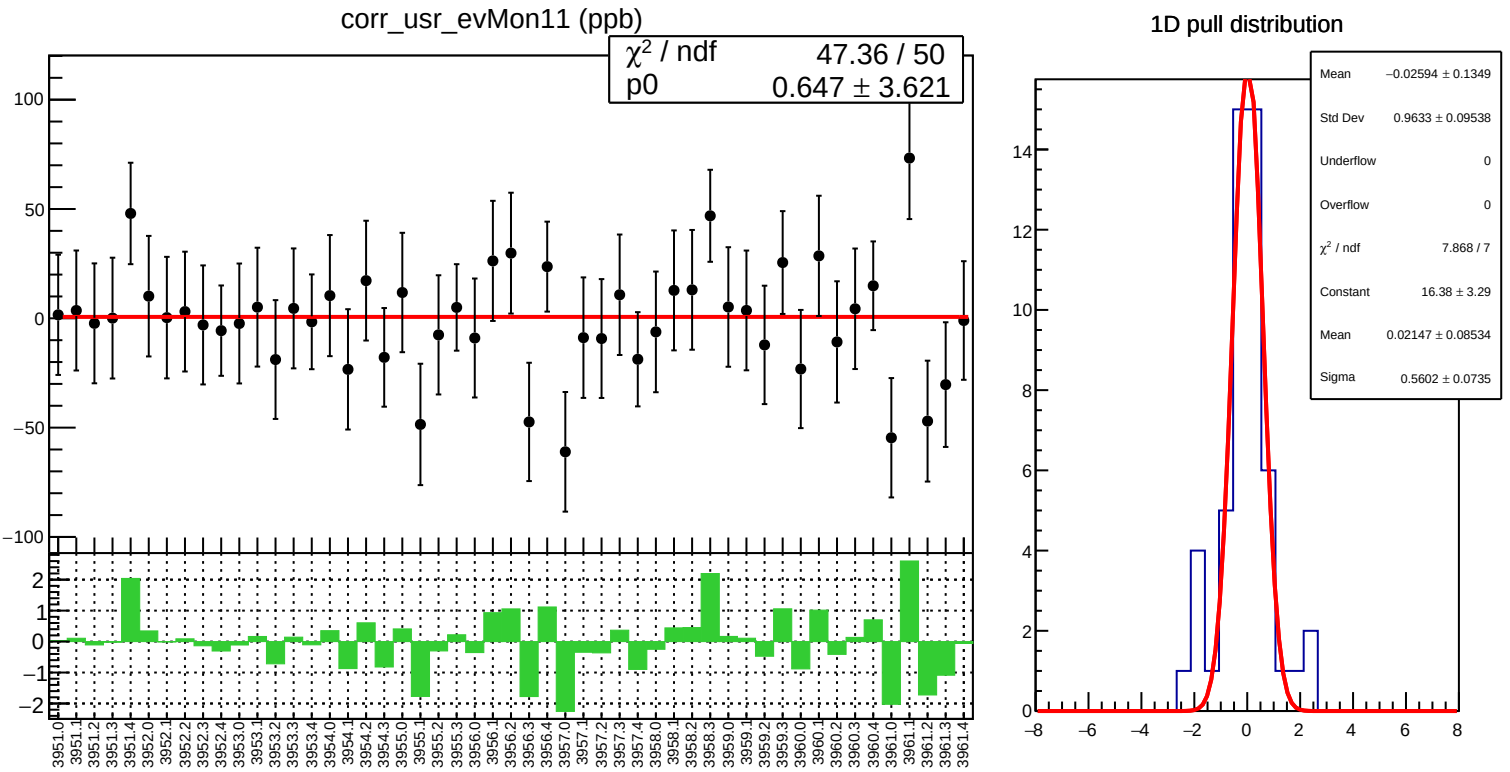
3961.0
3961.1
3961.2
3961.3
3961.4


corr_usr_evMon11 (ppb)
χ² / ndf 47.36 / 50
p0 0.647 ± 3.621
100
50
0
−50
−100
2
1
0
−1
−2
3951.0
3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
3952.4
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3953.2
3953.3
3953.4
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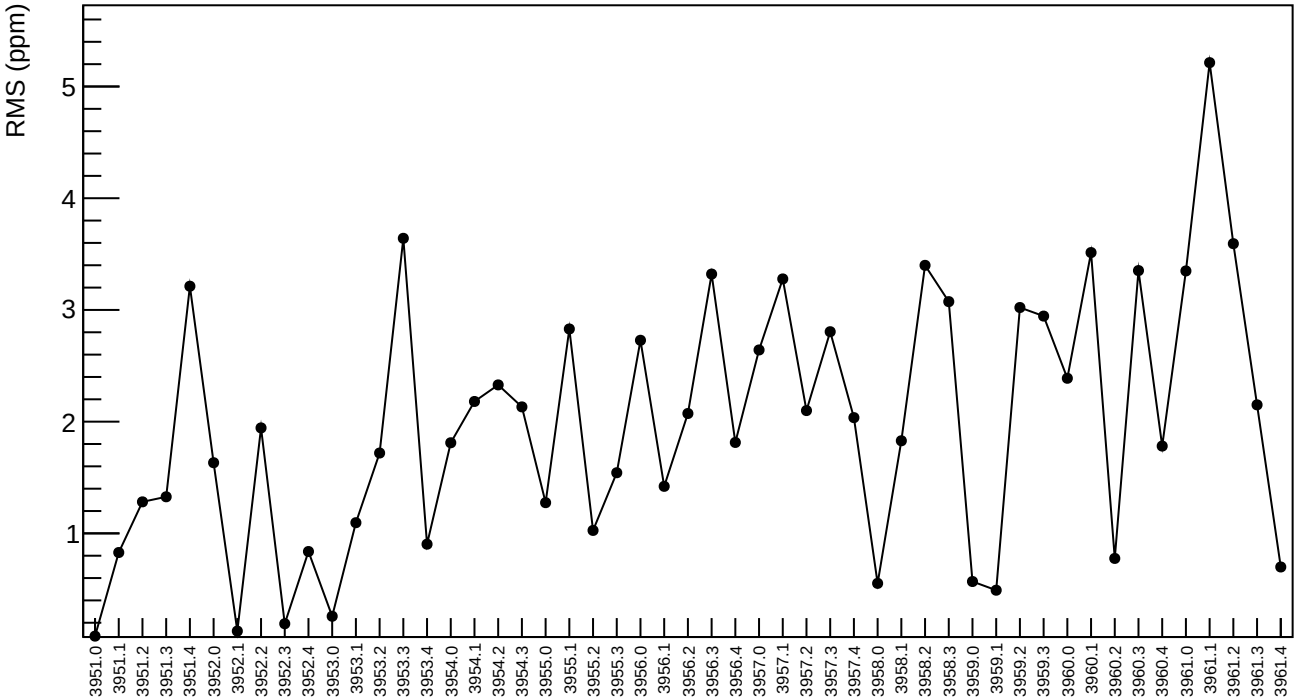
3958.1
3958.2
3958.3
3959.0
3959.1
3959.2
3959.3
3960.0
3960.1
3960.2
3960.3
3960.4
3961.0
3961.1
3961.2
3961.3
3961.4
1D pull distribution
Mean −0.02594 ± 0.1349
Std Dev 0.9633 ± 0.09538
Underflow 0
Overflow 0
χ² / ndf 7.868 / 7
Constant 16.38 ± 3.29
Mean 0.02147 ± 0.08534
Sigma 0.5602 ± 0.0735
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


corr_usr_evMon11 RMS (ppm)
RMS (ppm)
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2
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4
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3951.1
3951.2
3951.3
3951.4
3952.0
3952.1
3952.2
3952.3
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3956.1
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