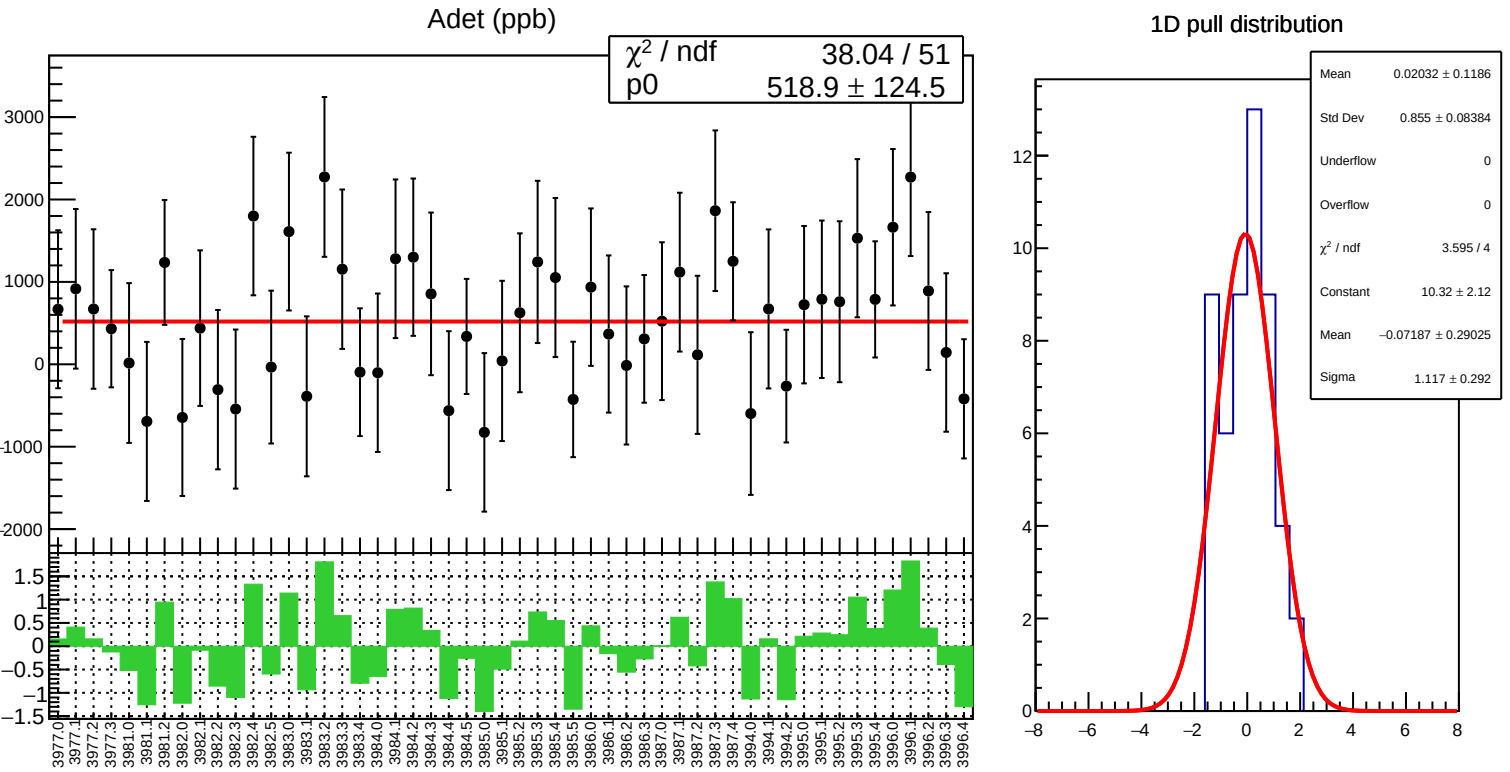
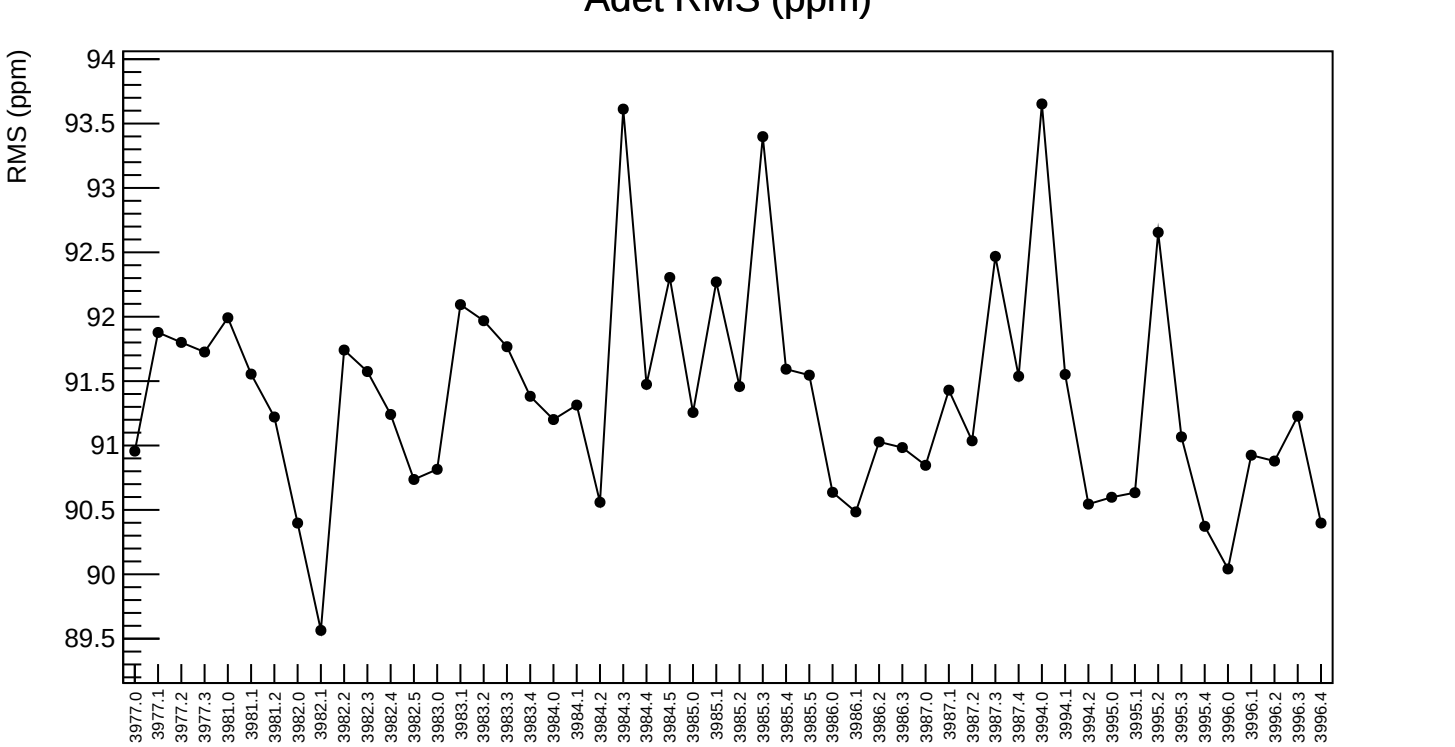
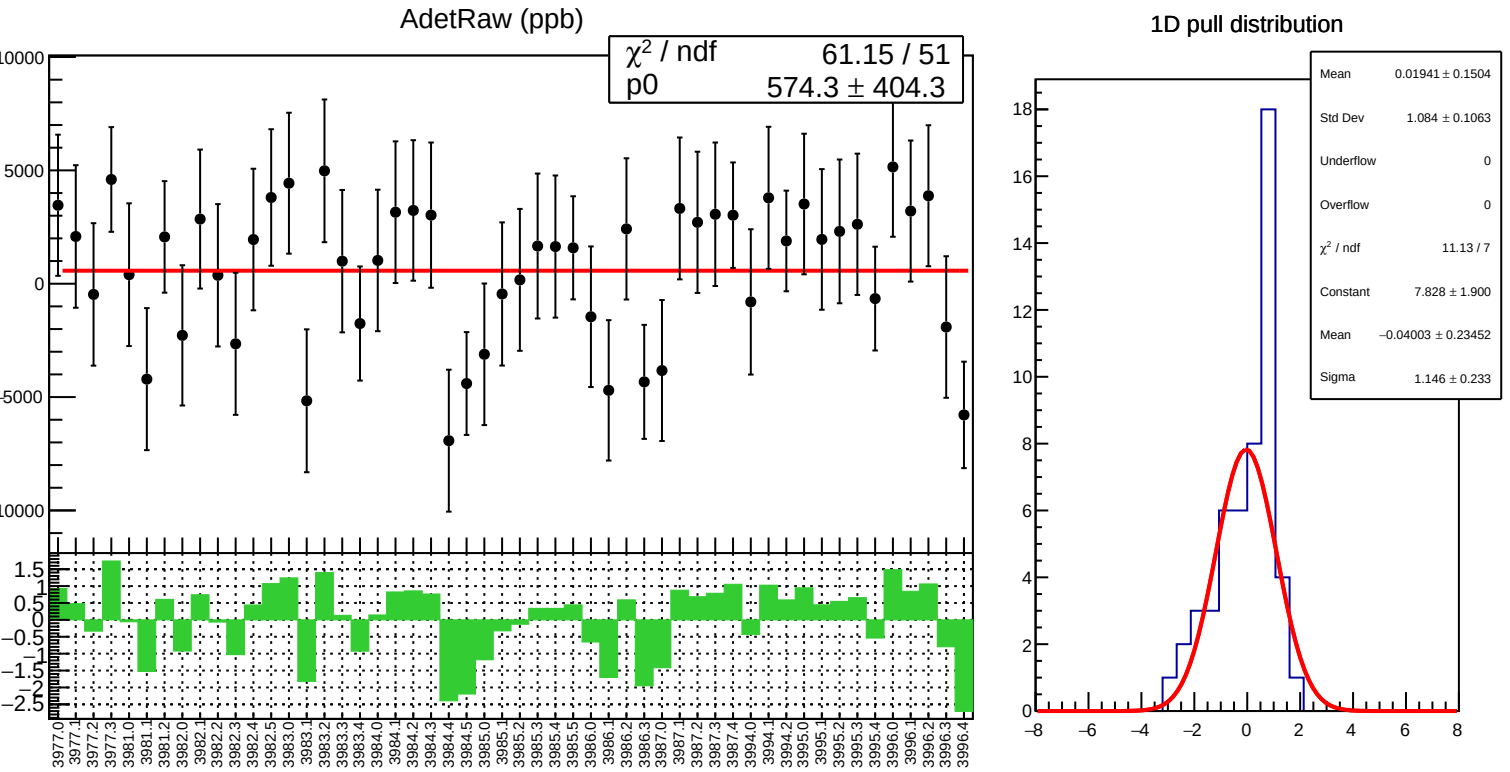
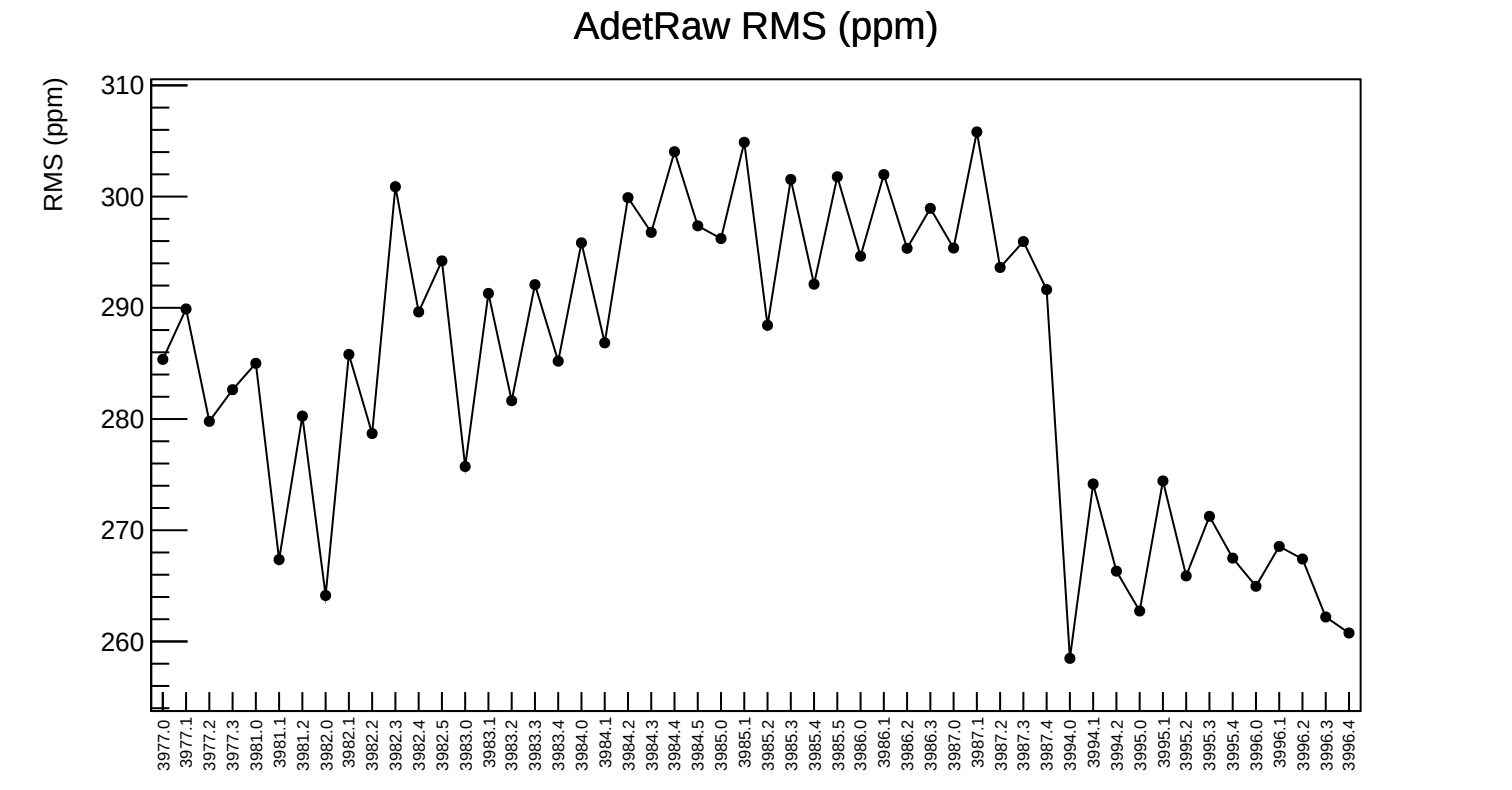
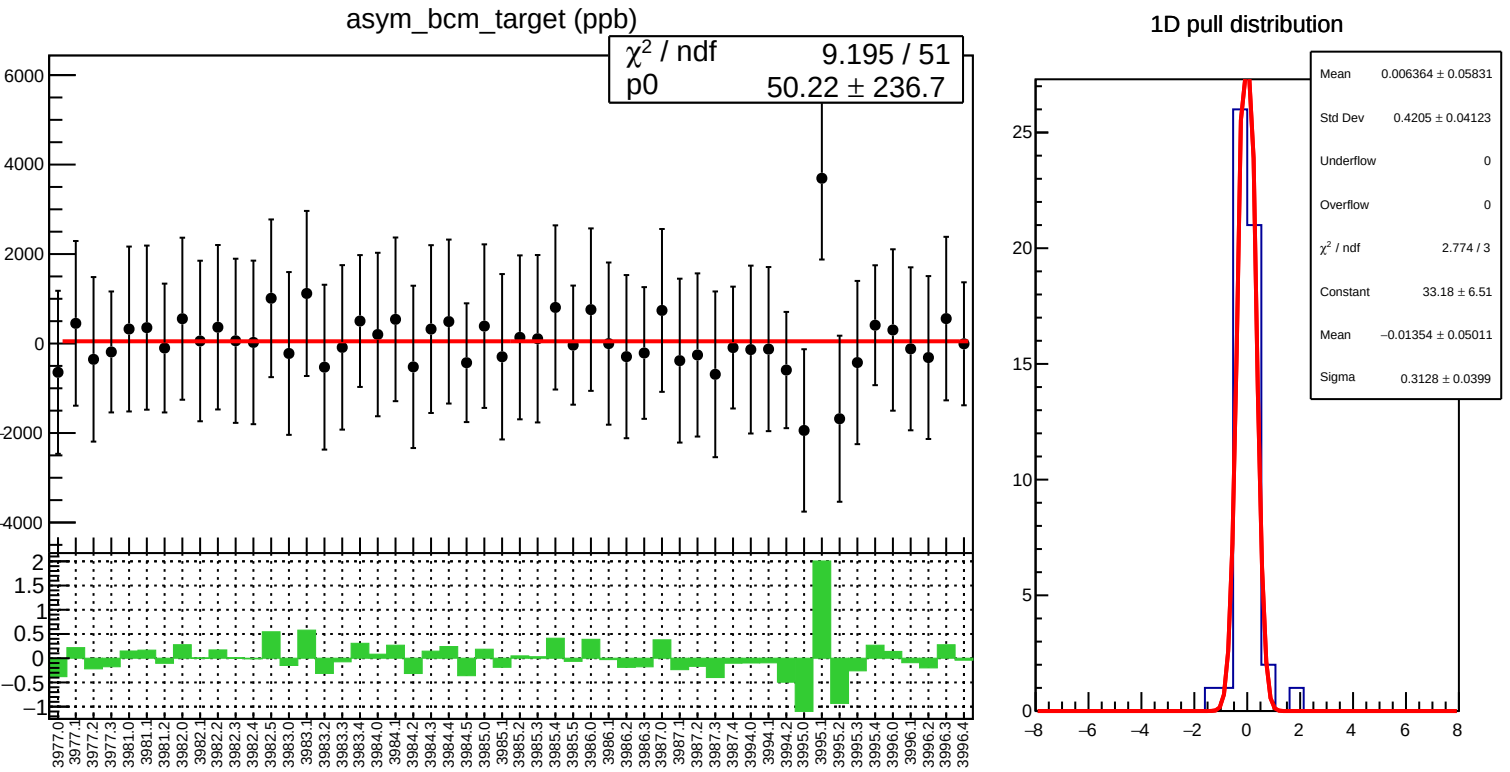
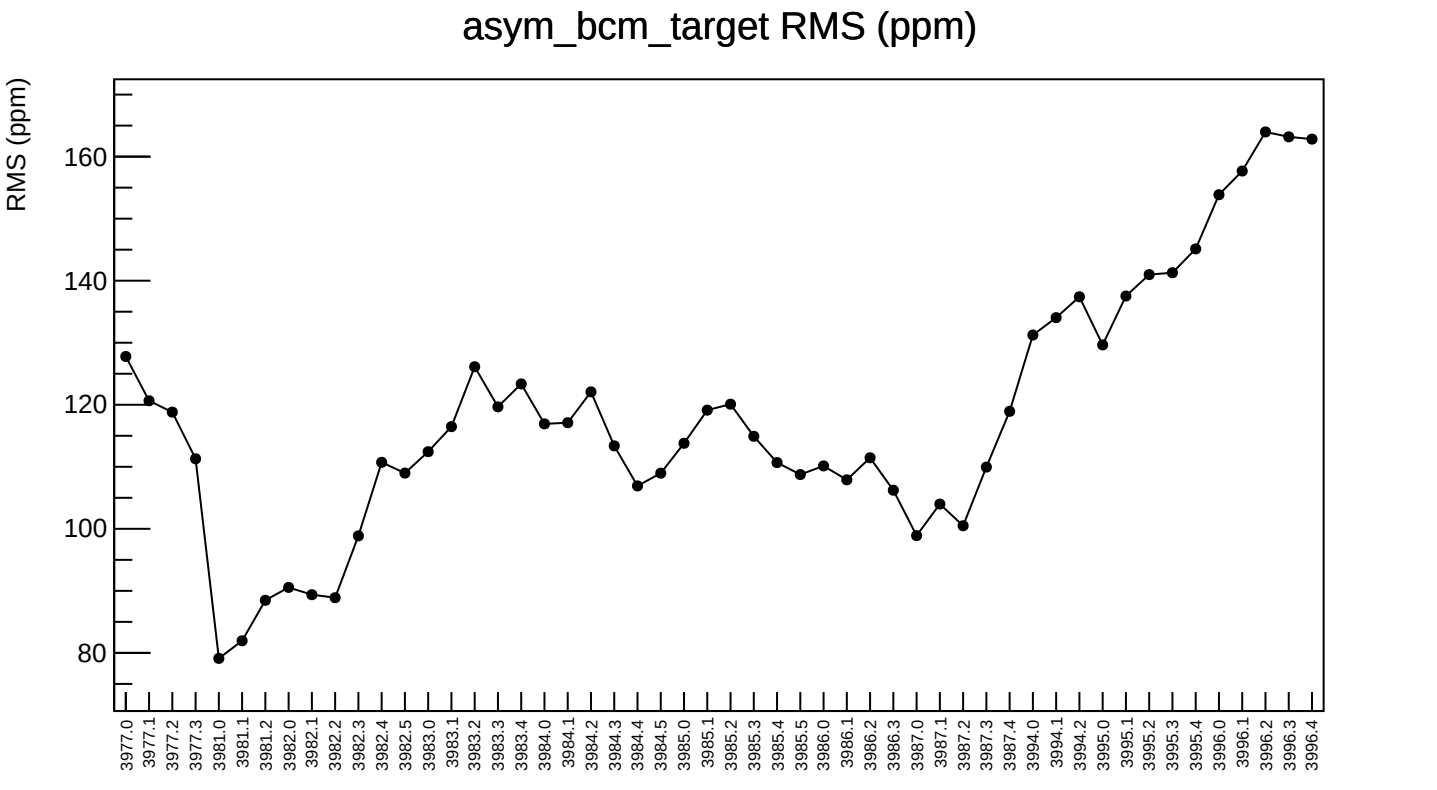

Adet (ppb)
χ² / ndf 38.04 / 51
p0 518.9 ± 124.5
1D pull distribution
Mean 0.02032 ± 0.1186
Std Dev 0.855 ± 0.08384
Underflow 0
Overflow 0
χ² / ndf 3.595 / 4
Constant 10.32 ± 2.12
Mean −0.07187 ± 0.29025
Sigma 1.117 ± 0.292

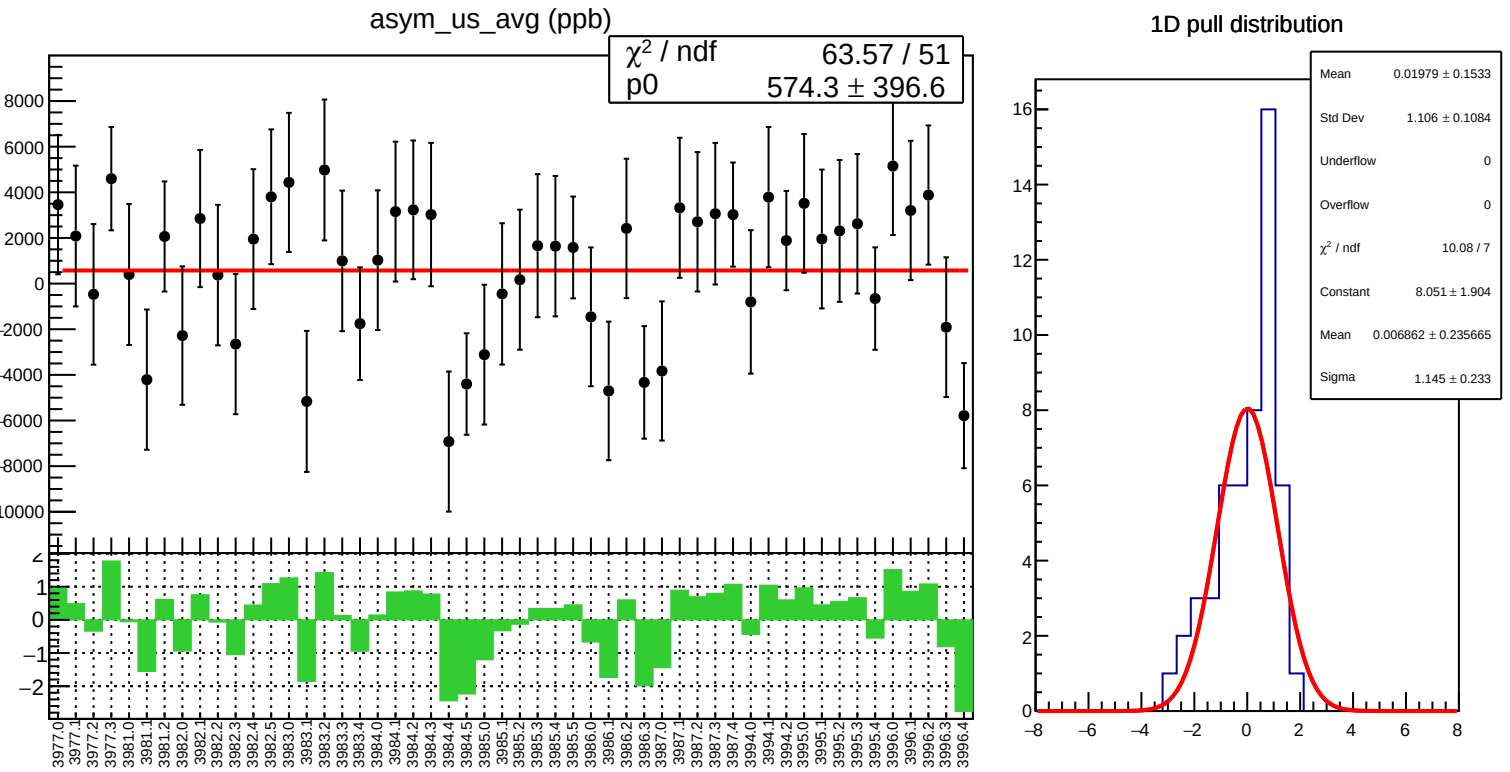

Adet RMS (ppm)
RMS (ppm)
94
93.5
93
92.5
92
91.5
91
90.5
90
89.5
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

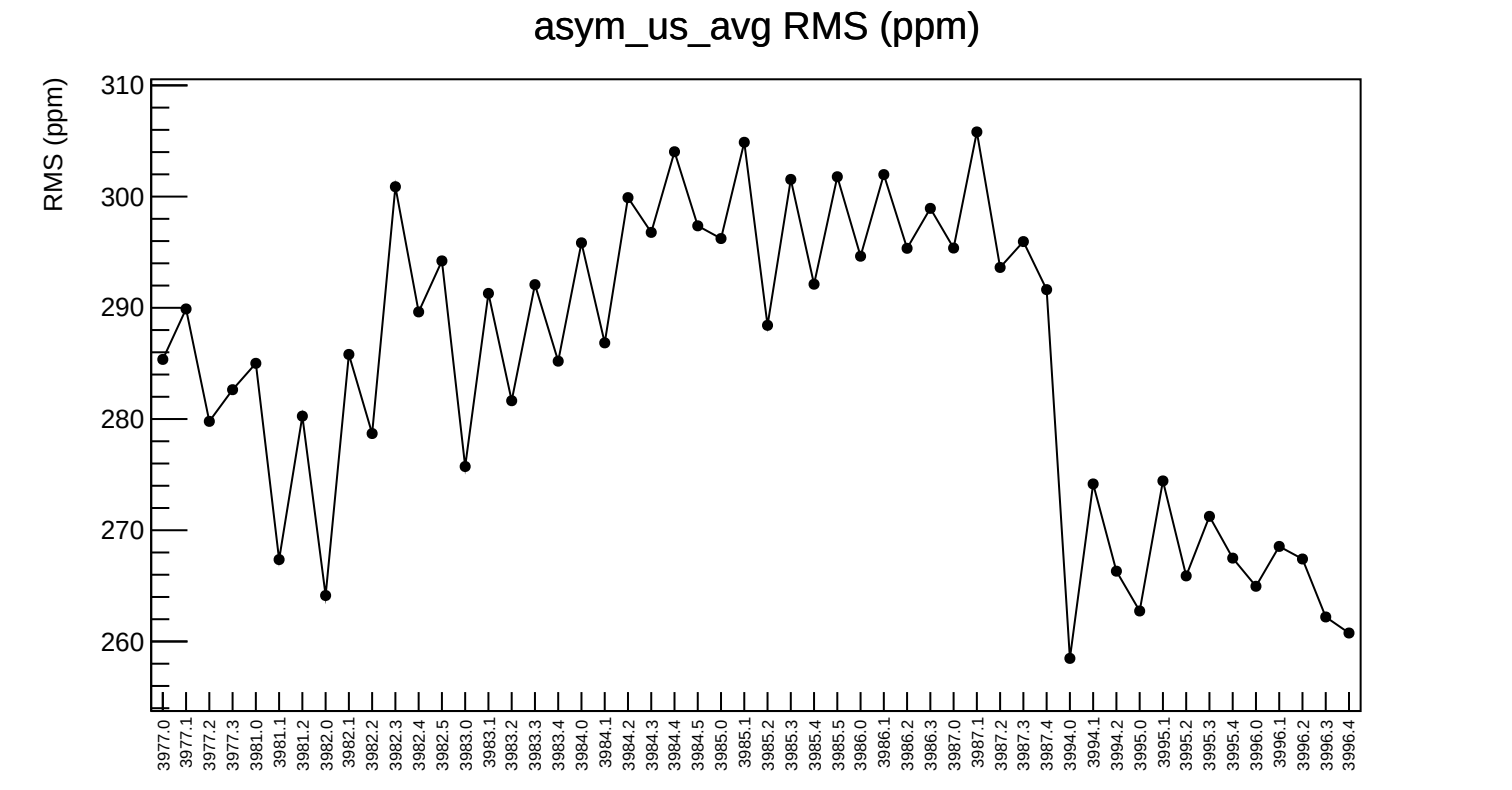

AdetRaw (ppb)
χ² / ndf 61.15 / 51
p0 574.3 ± 404.3
10000
5000
0
−5000
−10000
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4
1D pull distribution
Mean 0.01941 ± 0.1504
Std Dev 1.084 ± 0.1063
Underflow 0
Overflow 0
χ² / ndf 11.13 / 7
Constant 7.828 ± 1.900
Mean −0.04003 ± 0.23452
Sigma 1.146 ± 0.233
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

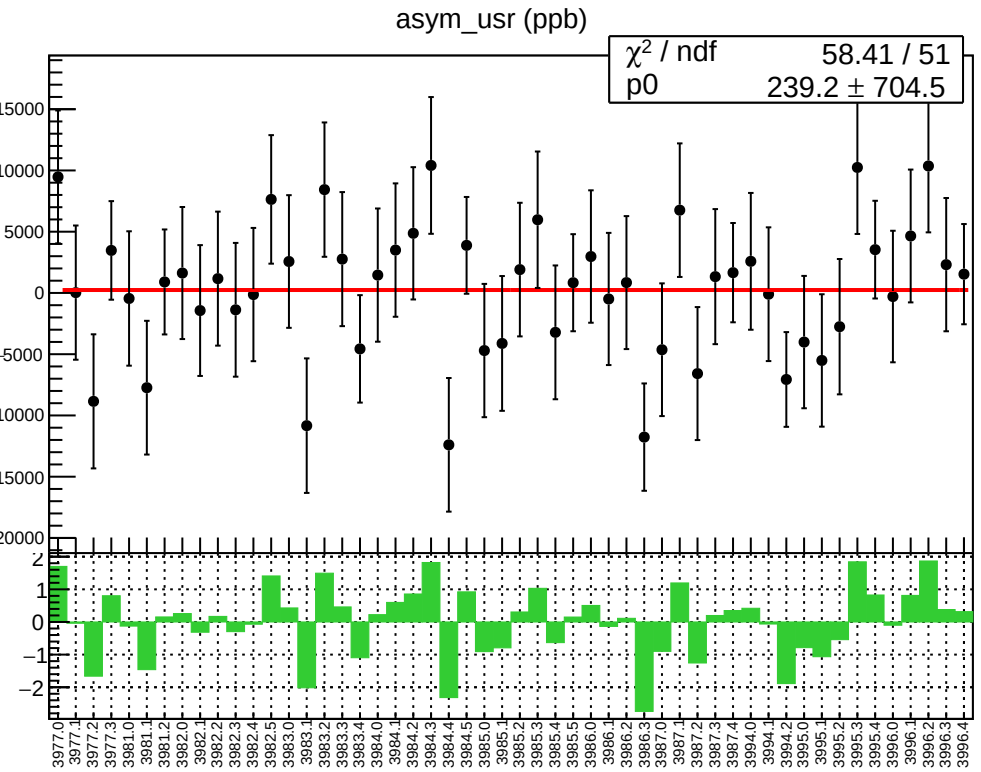

AdetRaw RMS (ppm)
RMS (ppm)
310
300
290
280
270
260
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

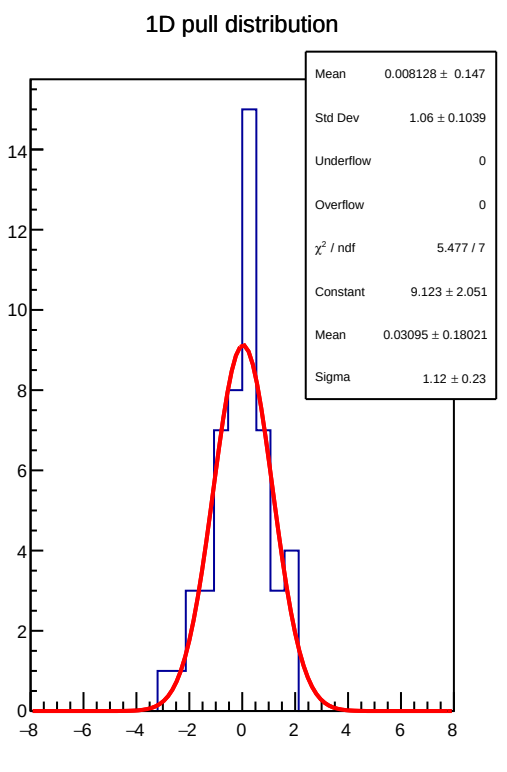

asym_bcm_target (ppb)
χ² / ndf 9.195 / 51
p0 50.22 ± 236.7
6000
4000
2000
0
-2000
-4000
2
1.5
1
0.5
0
−0.5
−1
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4
1D pull distribution
Mean 0.006364 ± 0.05831
Std Dev 0.4205 ± 0.04123
Underflow 0
Overflow 0
χ² / ndf 2.774 / 3
Constant 33.18 ± 6.51
Mean −0.01354 ± 0.05011
Sigma 0.3128 ± 0.0399
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

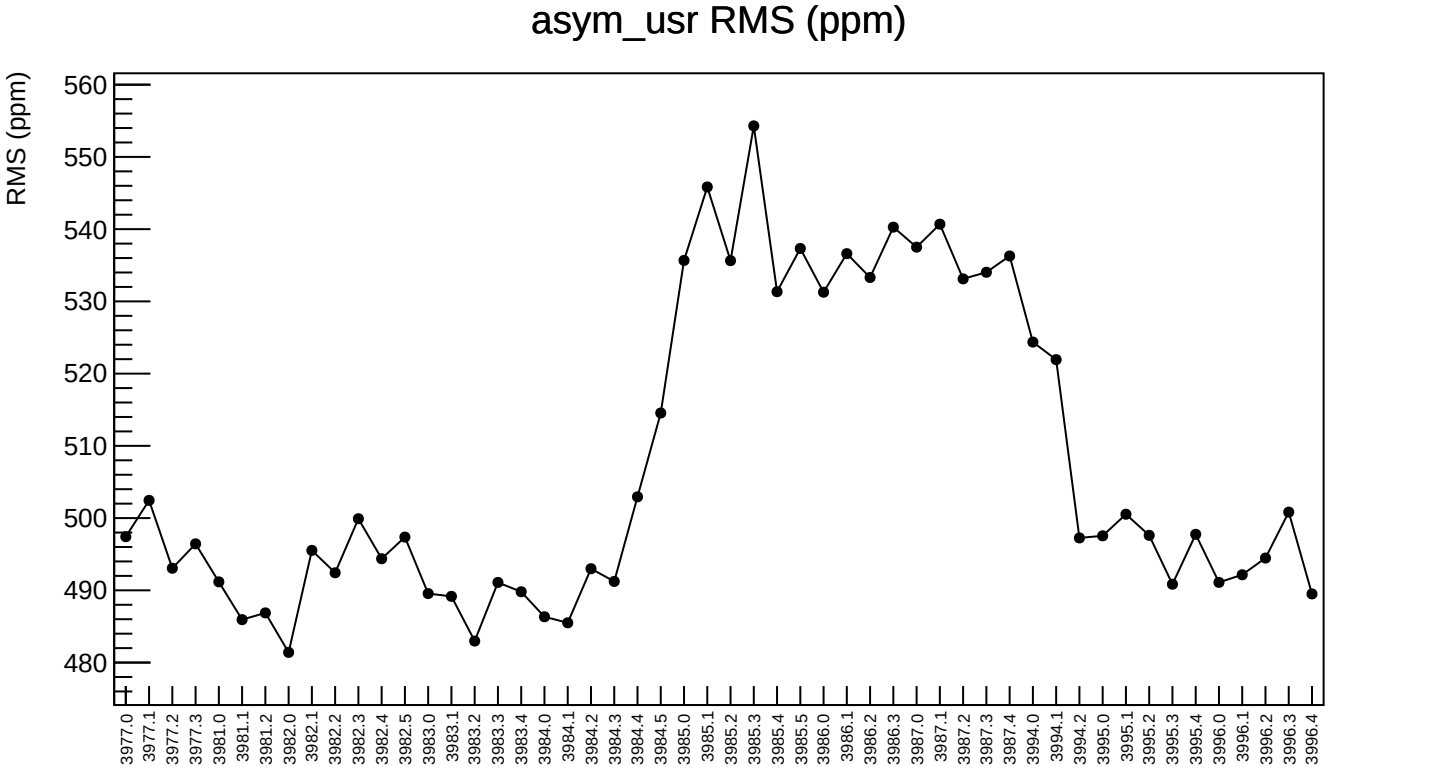

asym_bcm_target RMS (ppm)
RMS (ppm)
160
140
120
100
80
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

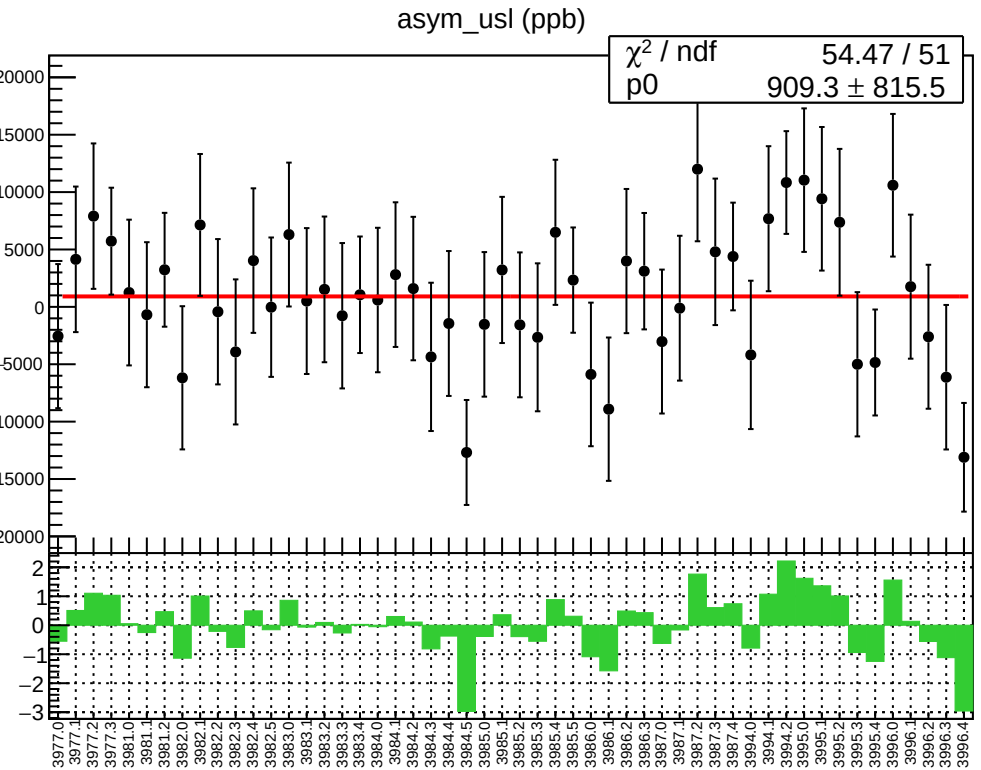

asym_us_avg (ppb)
χ² / ndf 63.57 / 51
p0 574.3 ± 396.6
8000
6000
4000
2000
0
-2000
-4000
-6000
-8000
-10000
2
1
0
−1
−2
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4
1D pull distribution
Mean 0.01979 ± 0.1533
Std Dev 1.106 ± 0.1084
Underflow 0
Overflow 0
χ² / ndf 10.08 / 7
Constant 8.051 ± 1.904
Mean 0.006862 ± 0.235665
Sigma 1.145 ± 0.233
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

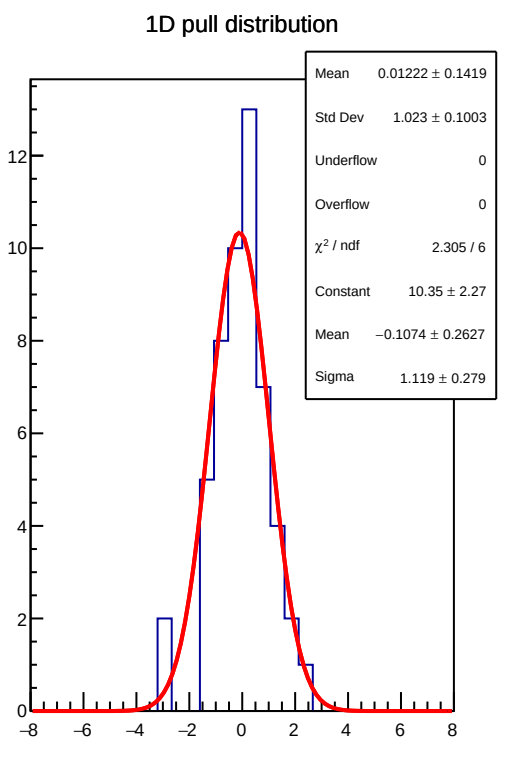

asym_us_avg RMS (ppm)
RMS (ppm)
310
300
290
280
270
260
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

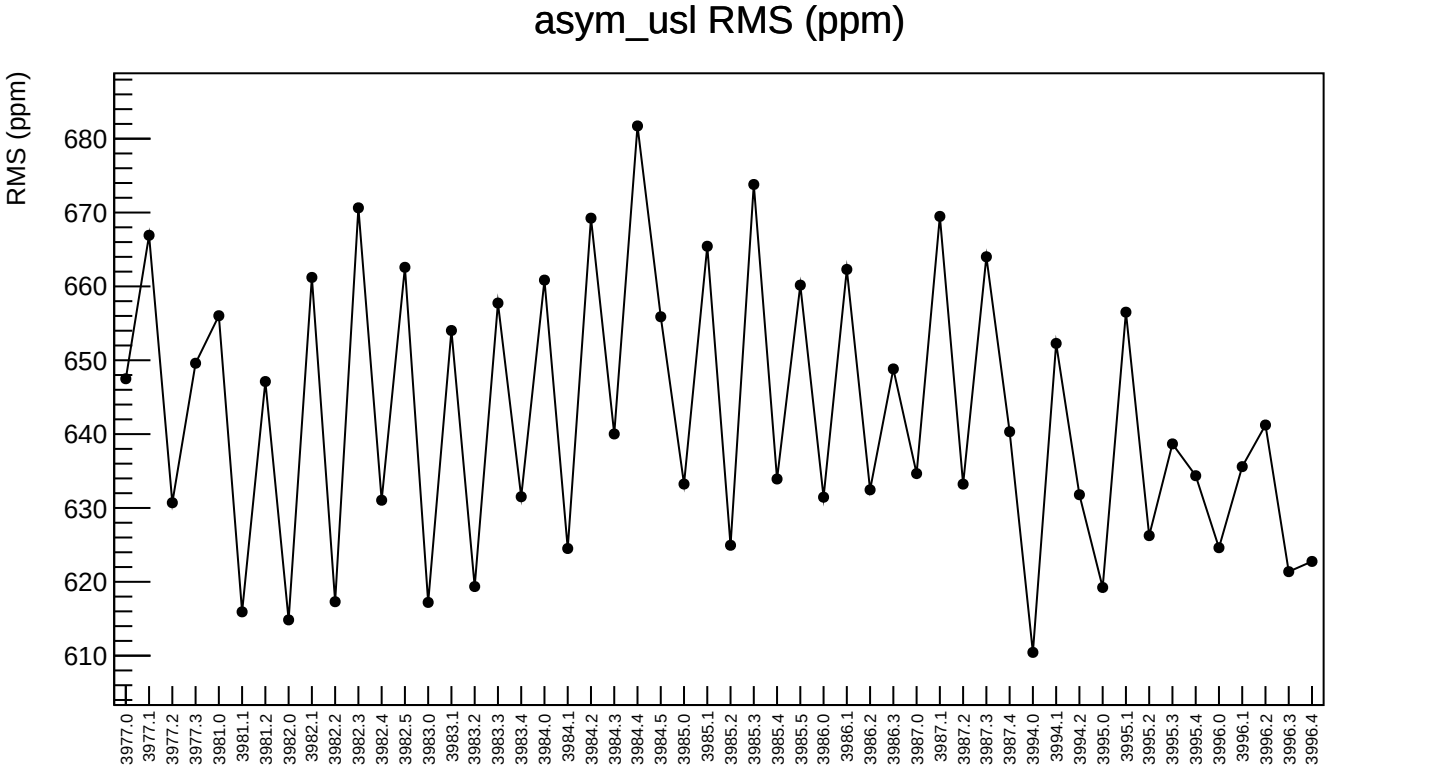

asym_usr (ppb)
χ² / ndf 58.41 / 51
p0 239.2 ± 704.5
15000
10000
5000
0
-5000
-10000
-15000
-20000
2
1
0
−1
−2
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

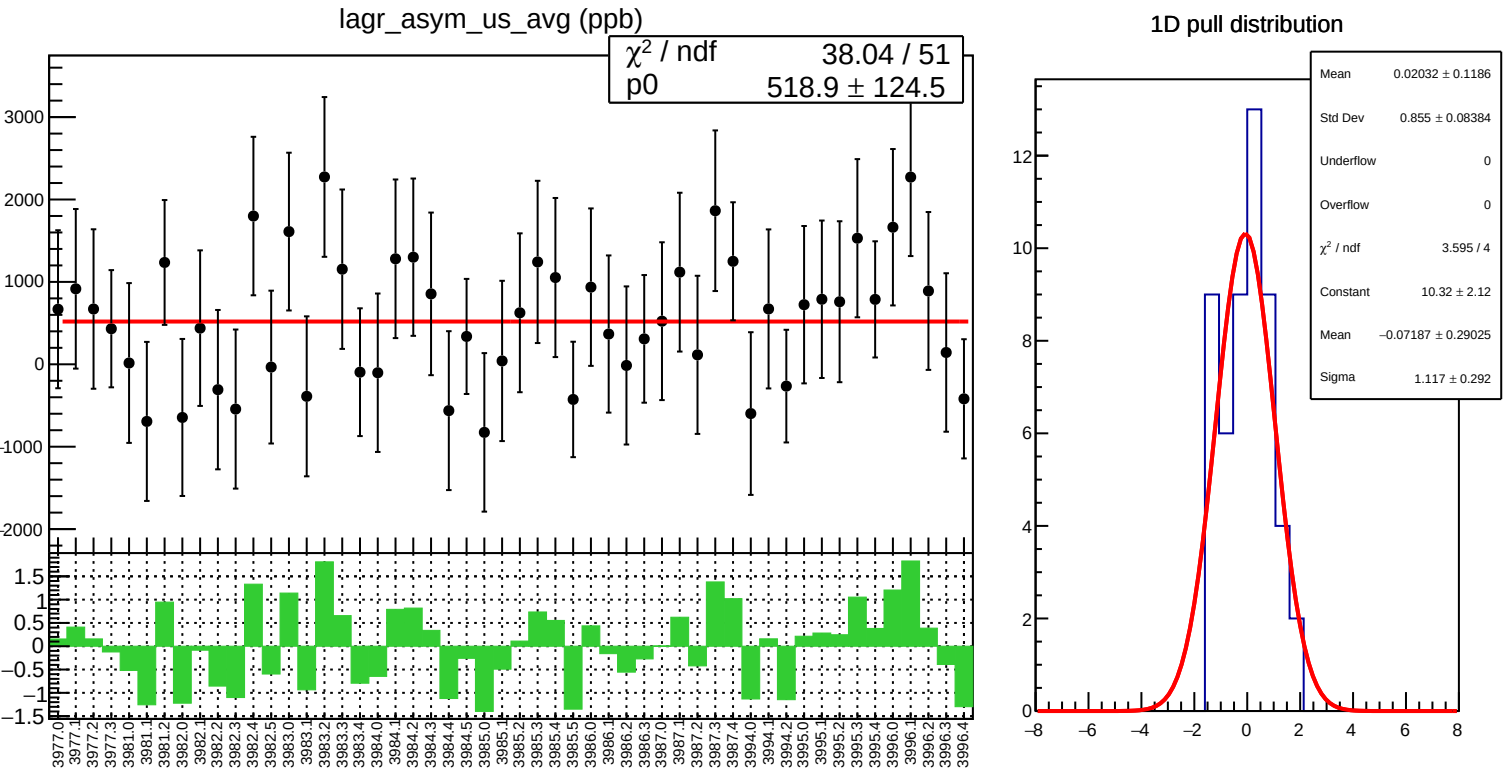

1D pull distribution
Mean 0.008128 ± 0.147
Std Dev 1.06 ± 0.1039
Underflow 0
Overflow 0
χ² / ndf 5.477 / 7
Constant 9.123 ± 2.051
Mean 0.03095 ± 0.18021
Sigma 1.12 ± 0.23
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

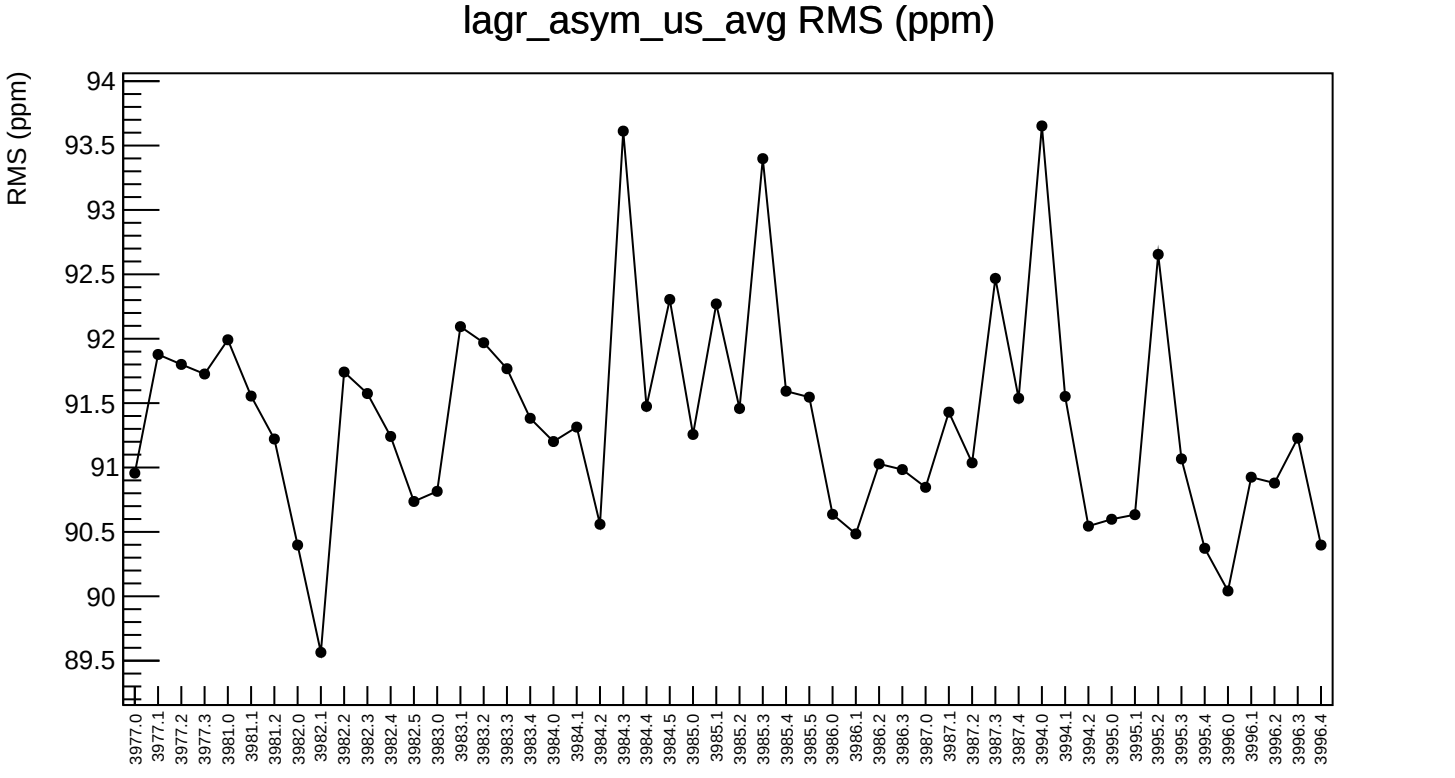

asym_usr RMS (ppm)
RMS (ppm)
560
550
540
530
520
510
500
490
480
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

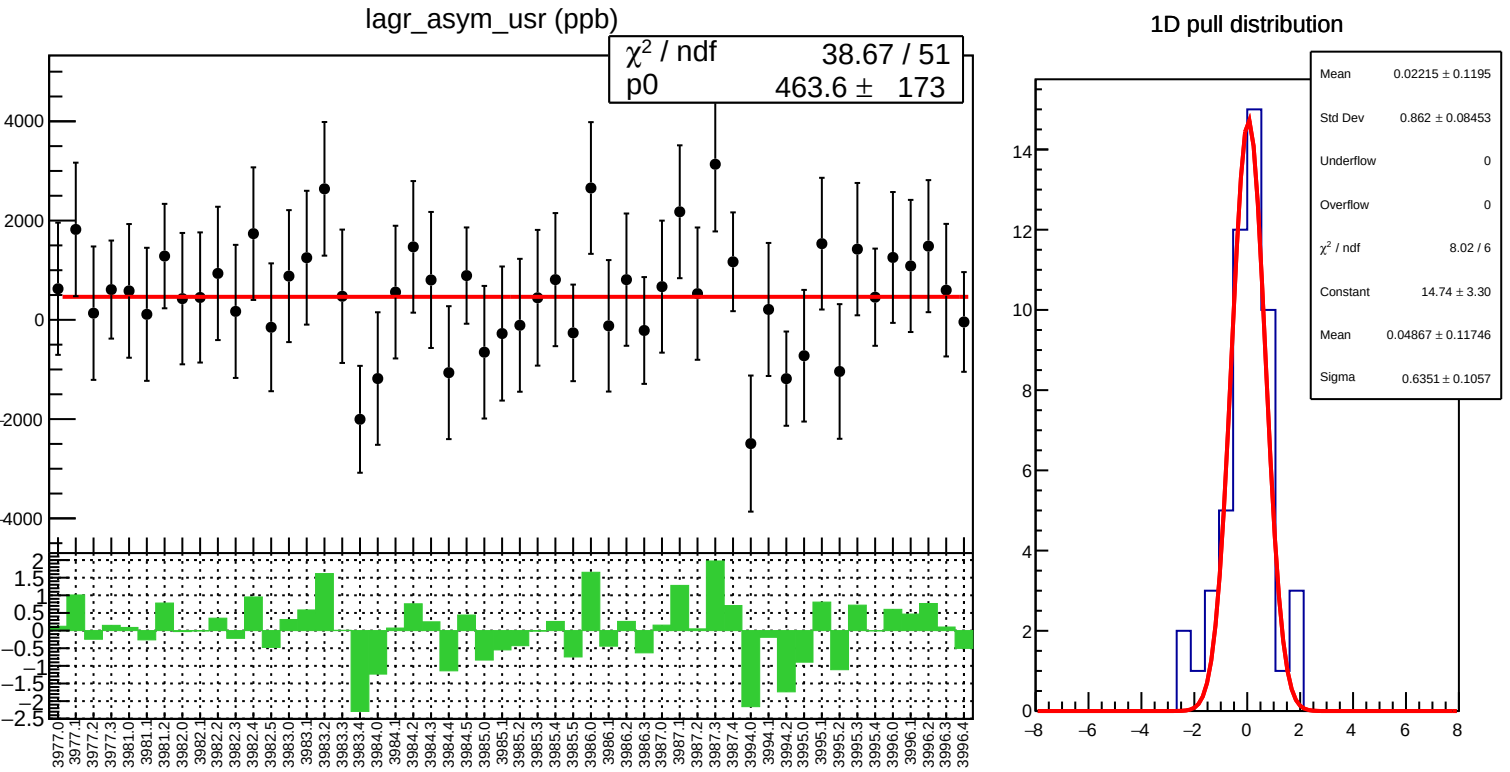

asym_usl (ppb)
χ² / ndf 54.47 / 51
p0 909.3 ± 815.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
2
1
0
−1
−2
−3
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

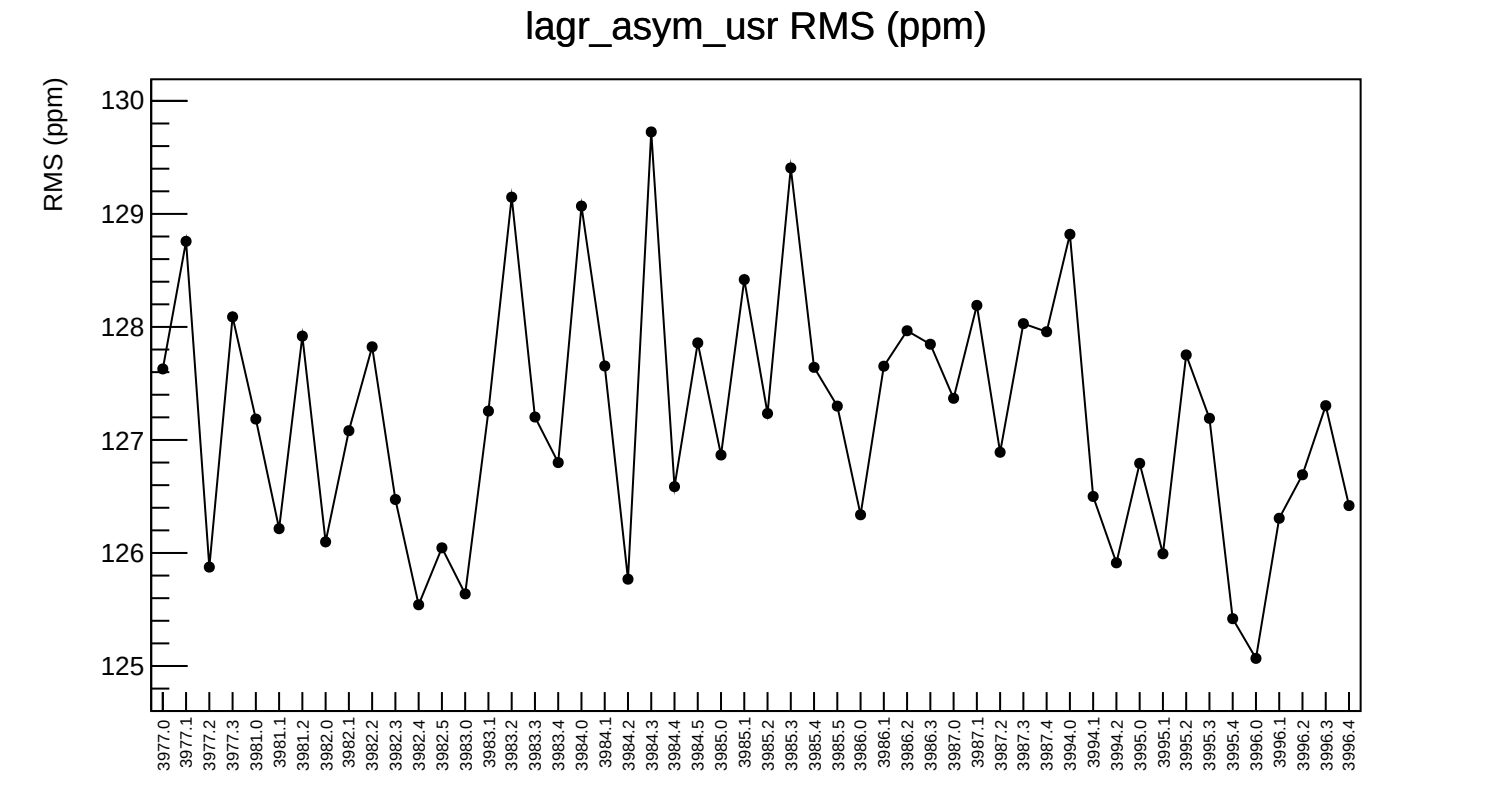

1D pull distribution
Mean 0.01222 ± 0.1419
Std Dev 1.023 ± 0.1003
Underflow 0
Overflow 0
χ² / ndf 2.305 / 6
Constant 10.35 ± 2.27
Mean −0.1074 ± 0.2627
Sigma 1.119 ± 0.279
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

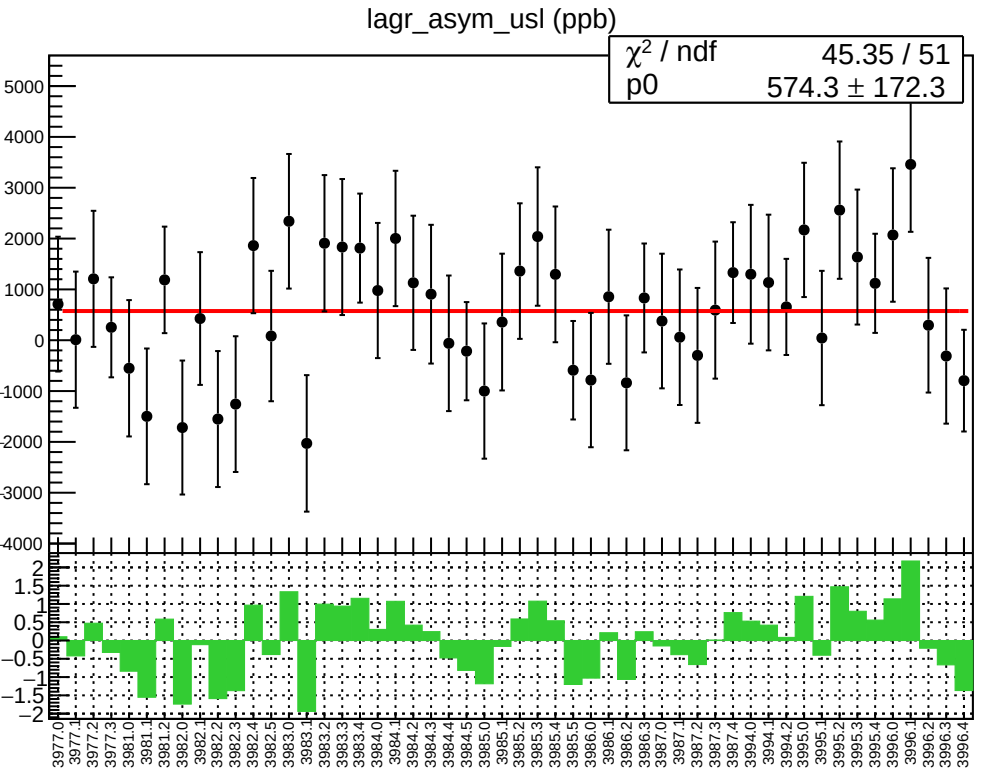

asym_usl RMS (ppm)
RMS (ppm)
680
670
660
650
640
630
620
610
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4

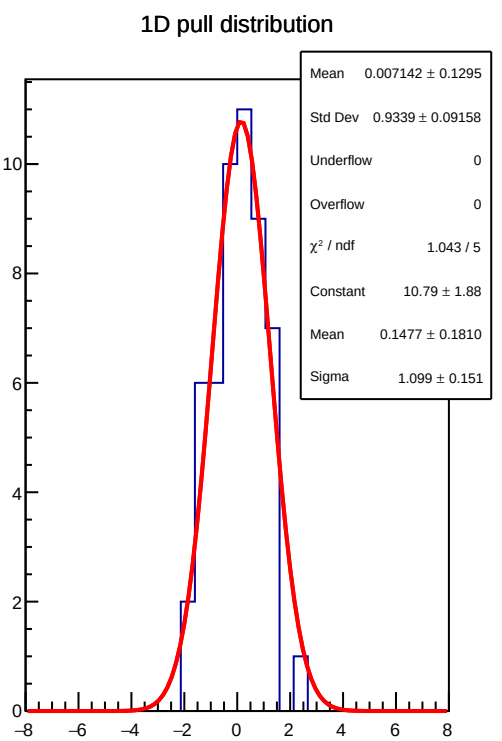

lagr_asym_us_avg (ppb)
χ² / ndf 38.04 / 51
p0 518.9 ± 124.5
1D pull distribution
Mean 0.02032 ± 0.1186
Std Dev 0.855 ± 0.08384
Underflow 0
Overflow 0
χ² / ndf 3.595 / 4
Constant 10.32 ± 2.12
Mean −0.07187 ± 0.29025
Sigma 1.117 ± 0.292

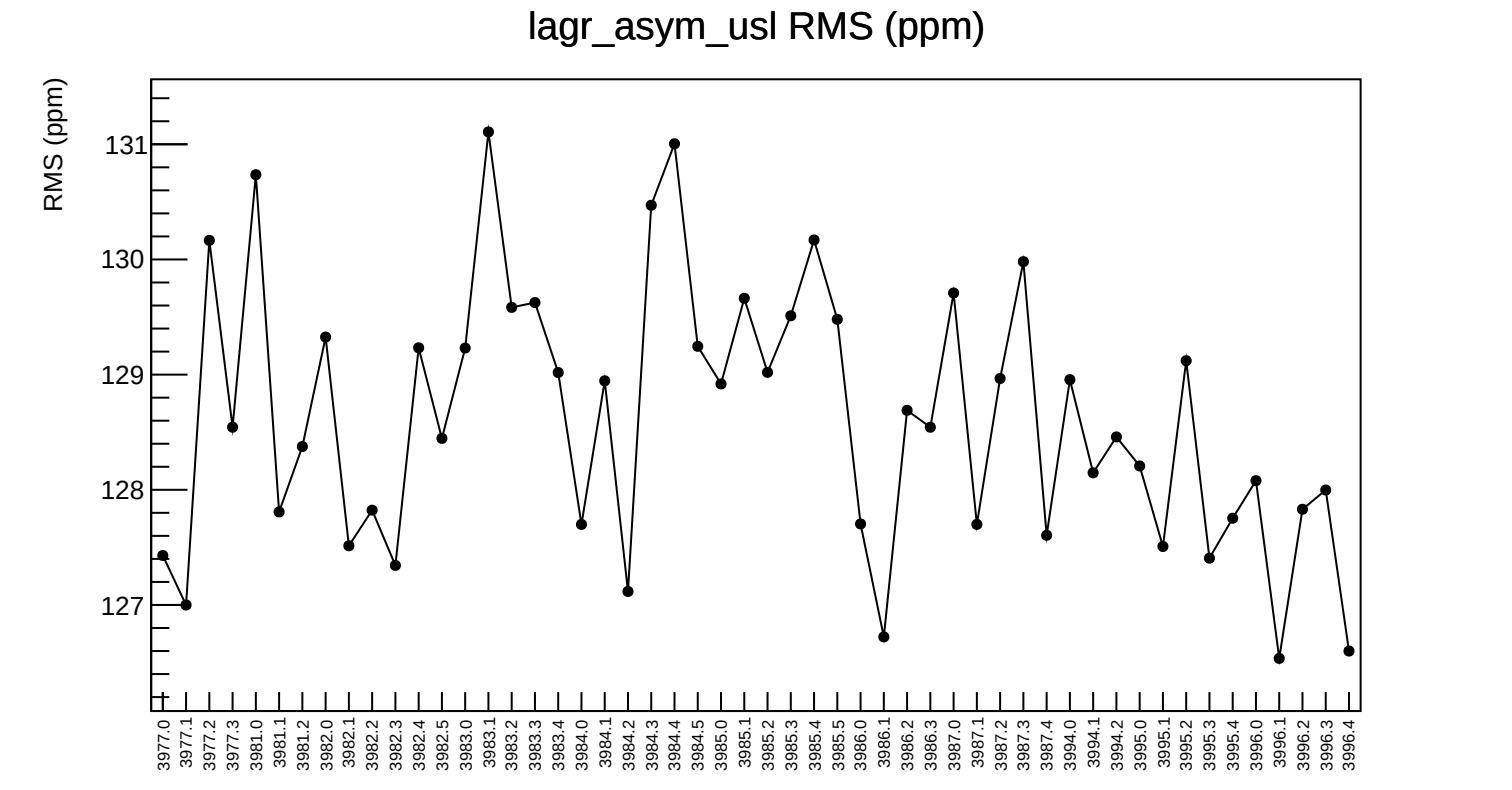

lagr_asym_us_avg RMS (ppm)
RMS (ppm)
94
93.5
93
92.5
92
91.5
91
90.5
90
89.5
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4


lagr_asym_usr (ppb)
χ² / ndf 38.67 / 51
p0 463.6 ± 173
4000
2000
0
-2000
-4000
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4
1D pull distribution
Mean 0.02215 ± 0.1195
Std Dev 0.862 ± 0.08453
Underflow 0
Overflow 0
χ² / ndf 8.02 / 6
Constant 14.74 ± 3.30
Mean 0.04867 ± 0.11746
Sigma 0.6351 ± 0.1057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


lagr_asym_usr RMS (ppm)
RMS (ppm)
130
129
128
127
126
125
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4


lagr_asym_usl (ppb)
χ² / ndf 45.35 / 51
p0 574.3 ± 172.3


1D pull distribution
Mean 0.007142 ± 0.1295
Std Dev 0.9339 ± 0.09158
Underflow 0
Overflow 0
χ² / ndf 1.043 / 5
Constant 10.79 ± 1.88
Mean 0.1477 ± 0.1810
Sigma 1.099 ± 0.151


lagr_asym_usl RMS (ppm)
RMS (ppm)
131
130
129
128
127
3977.0
3977.1
3977.2
3977.3
3981.0
3981.1
3981.2
3982.0
3982.1
3982.2
3982.3
3982.4
3982.5
3983.0
3983.1
3983.2
3983.3
3983.4
3984.0
3984.1
3984.2
3984.3
3984.4
3984.5
3985.0
3985.1
3985.2
3985.3
3985.4
3985.5
3986.0
3986.1
3986.2
3986.3
3987.0
3987.1
3987.2
3987.3
3987.4
3994.0
3994.1
3994.2
3995.0
3995.1
3995.2
3995.3
3995.4
3996.0
3996.1
3996.2
3996.3
3996.4