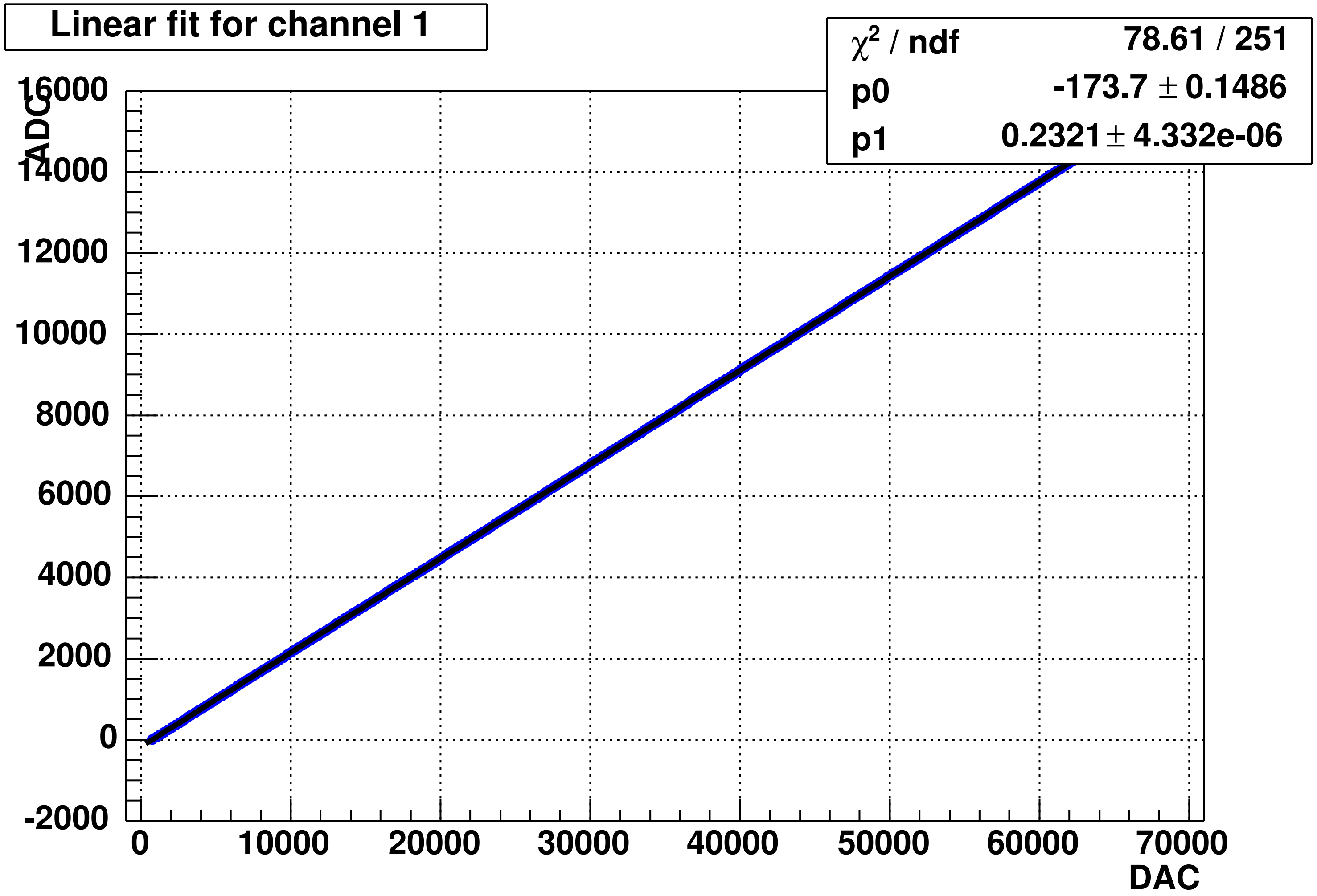
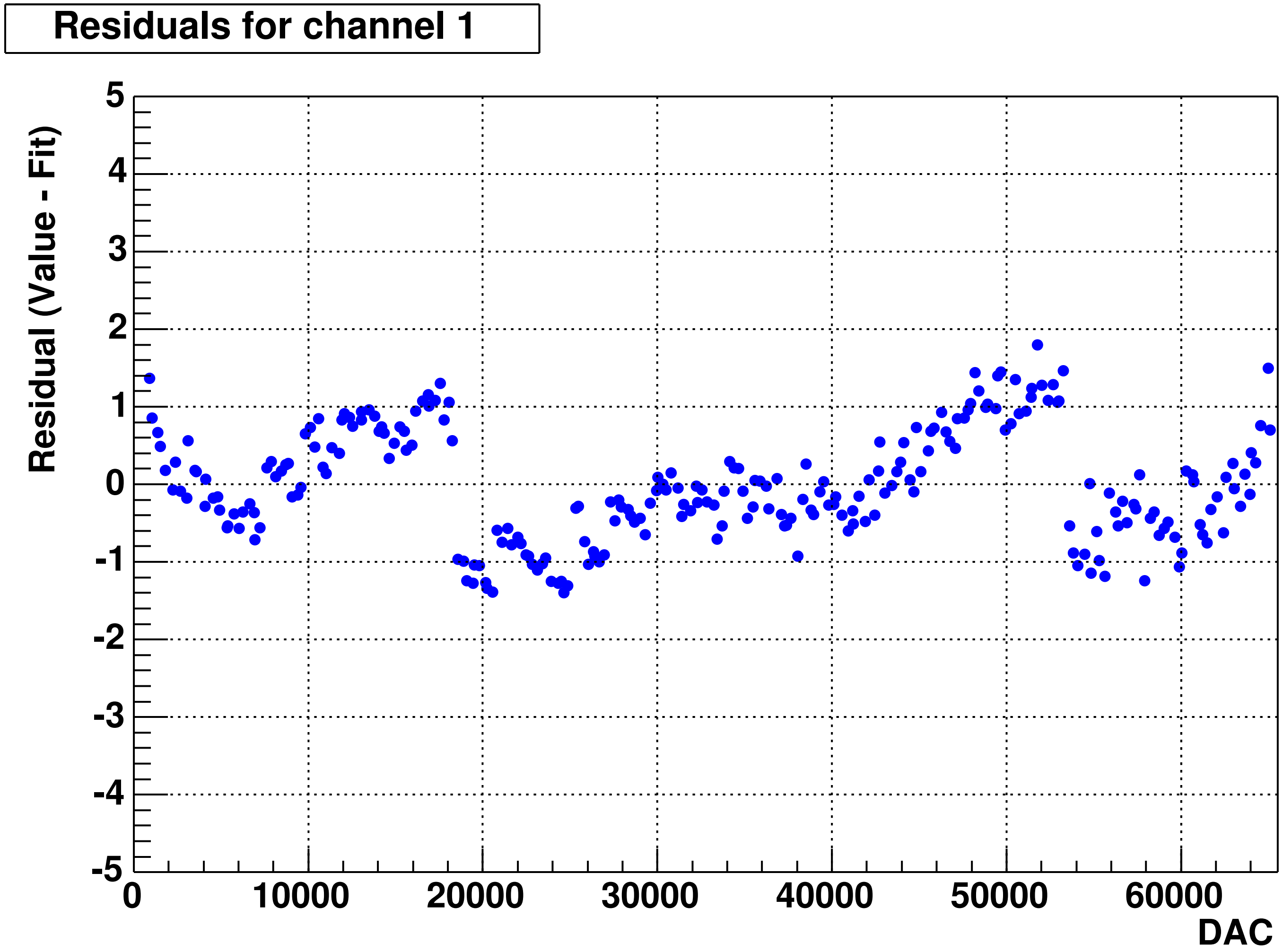
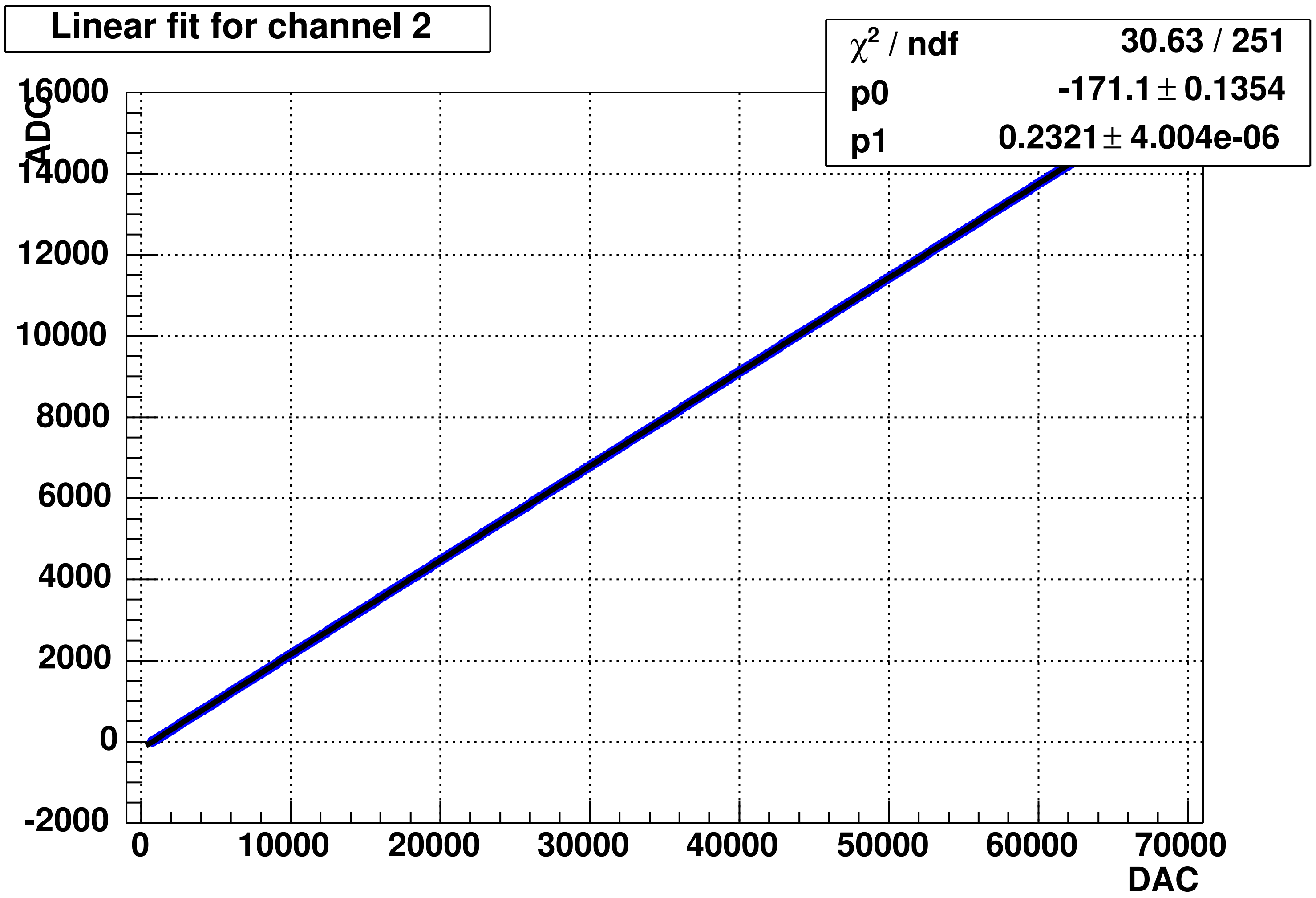
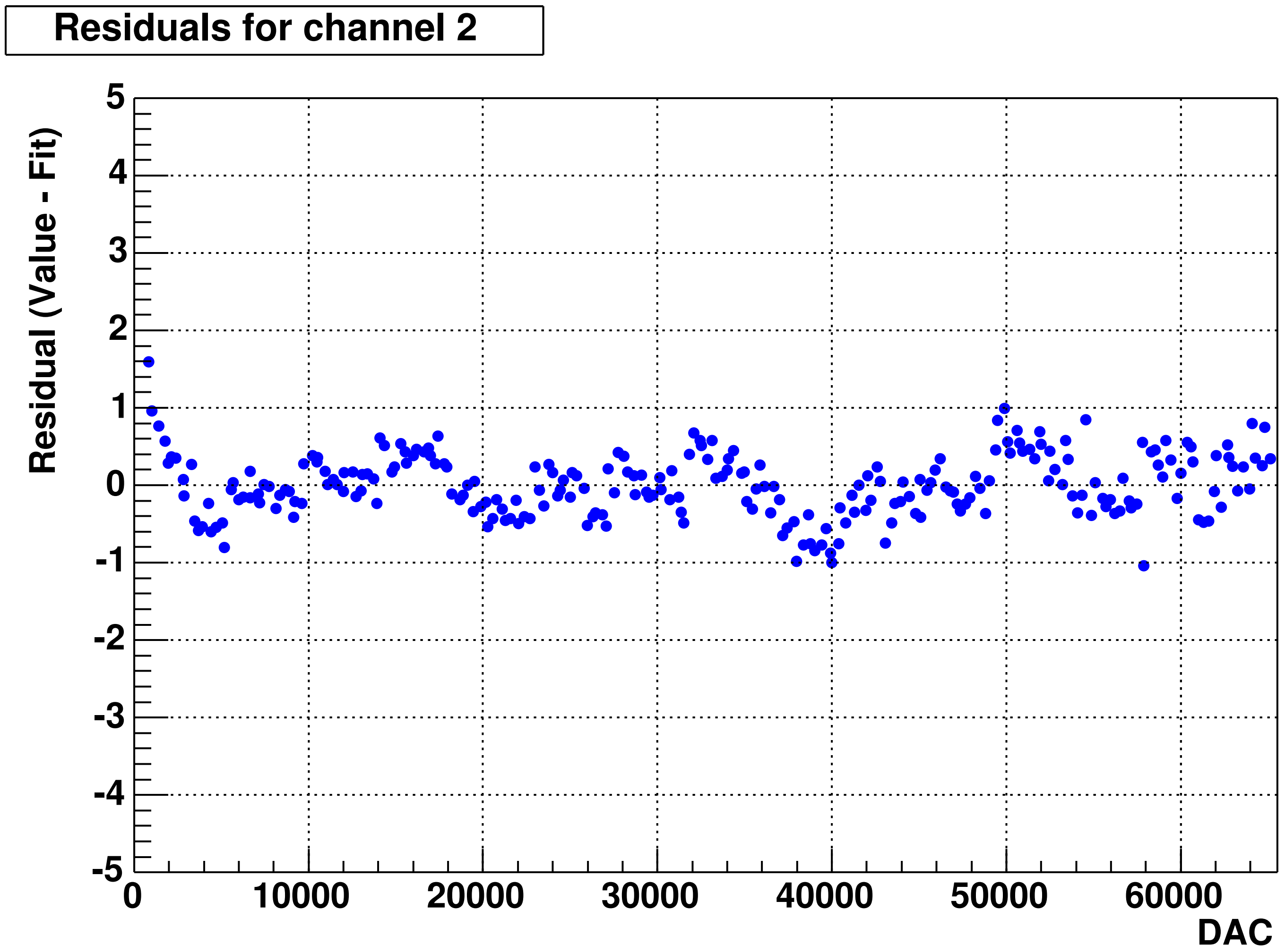

Linear fit for channel 1
χ^2 / ndf 78.61 / 251
p0 -173.7 ± 0.1486
p1 0.2321 ± 4.332e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



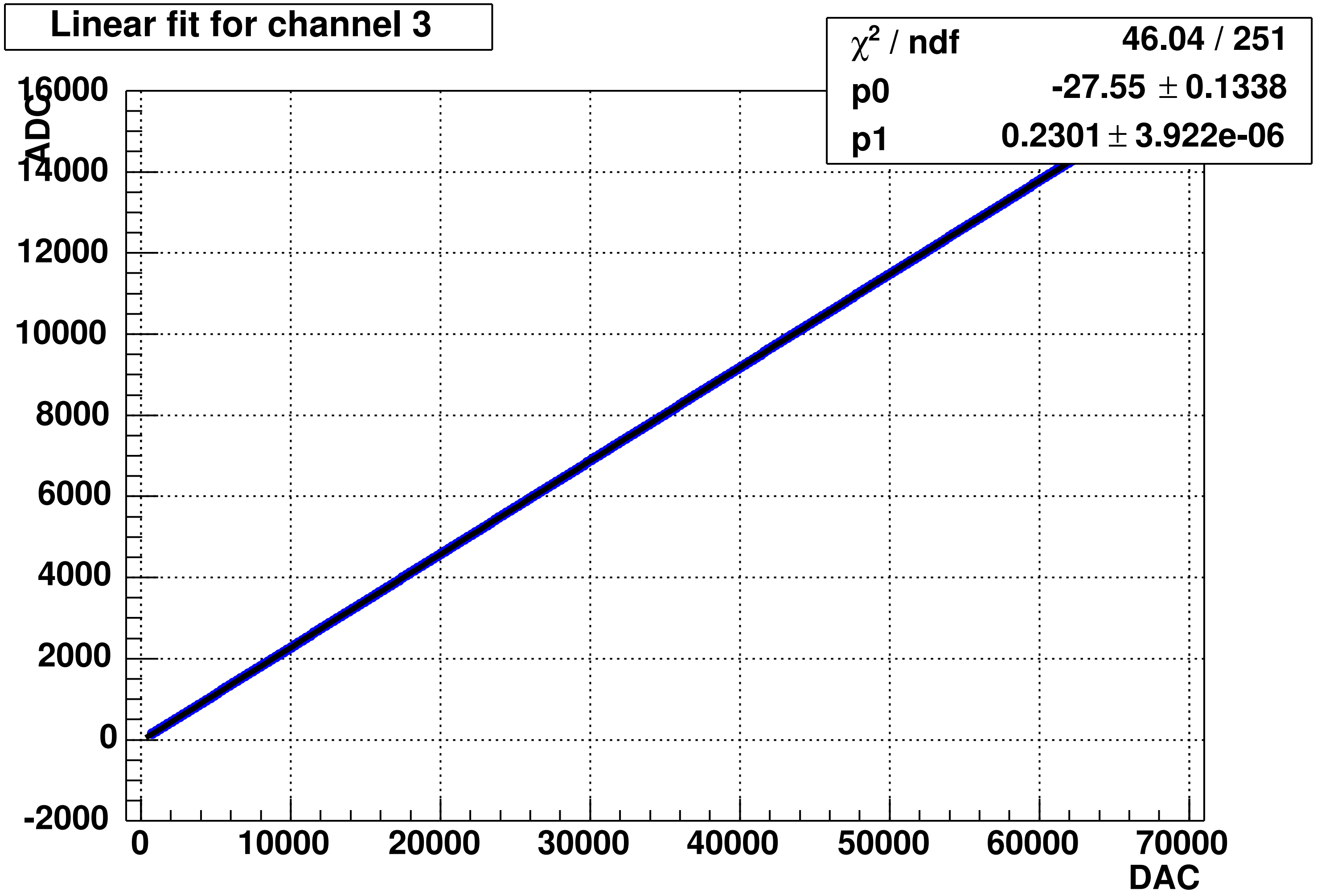
Residuals for channel 1
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



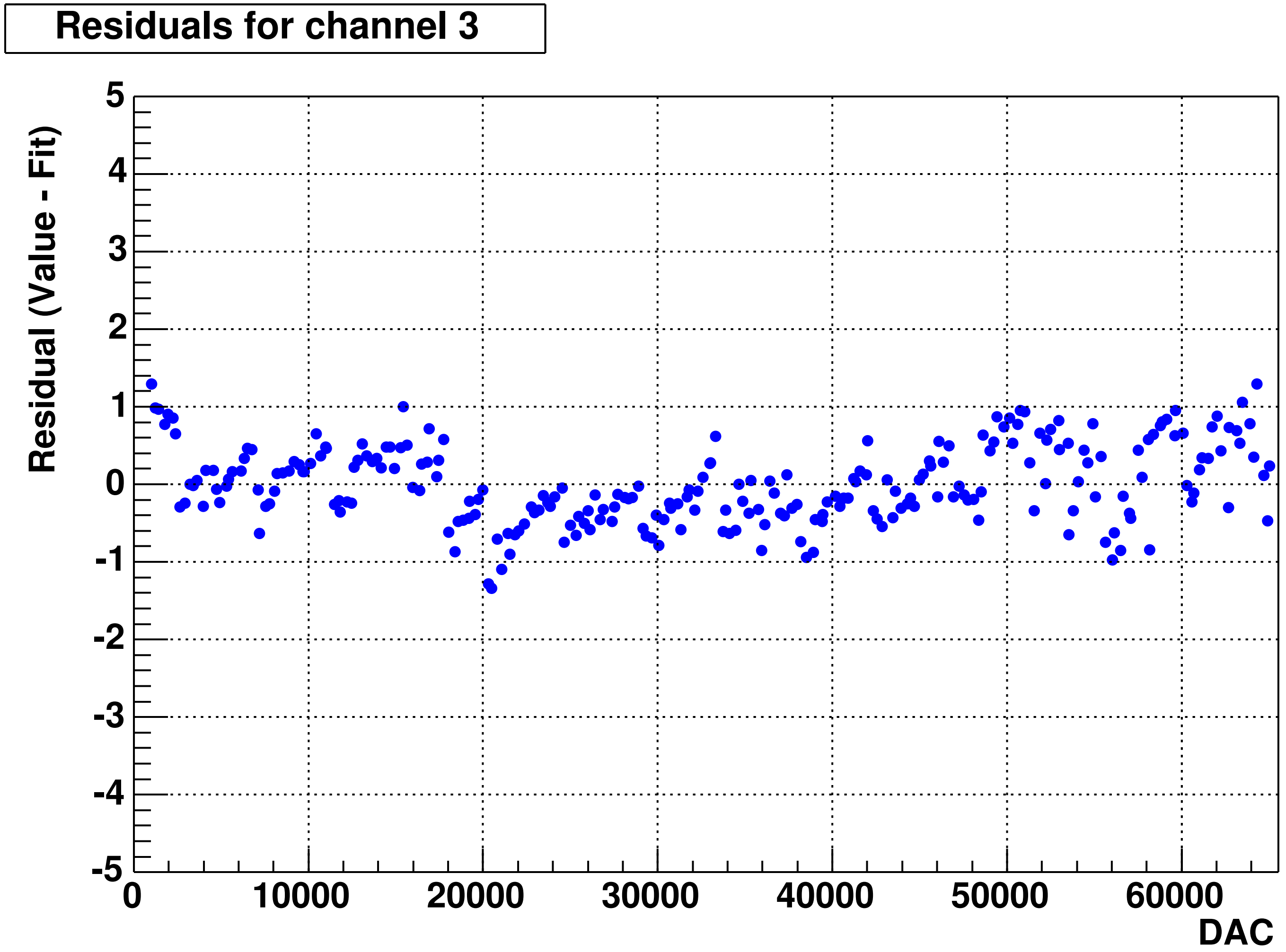
Linear fit for channel 2
χ2 / ndf 30.63 / 251
p0 -171.1 ± 0.1354
p1 0.2321 ± 4.004e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



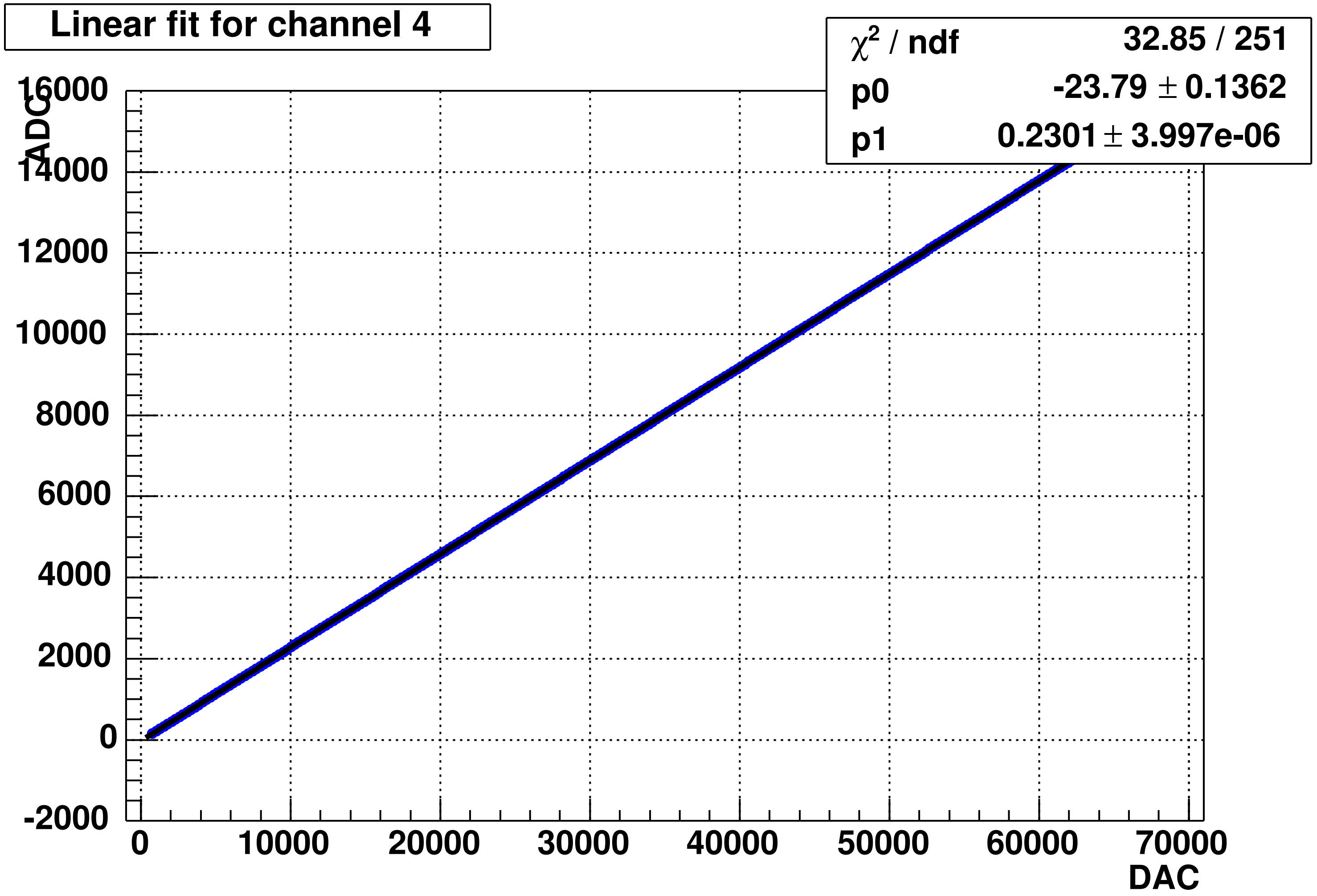
Residuals for channel 2
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



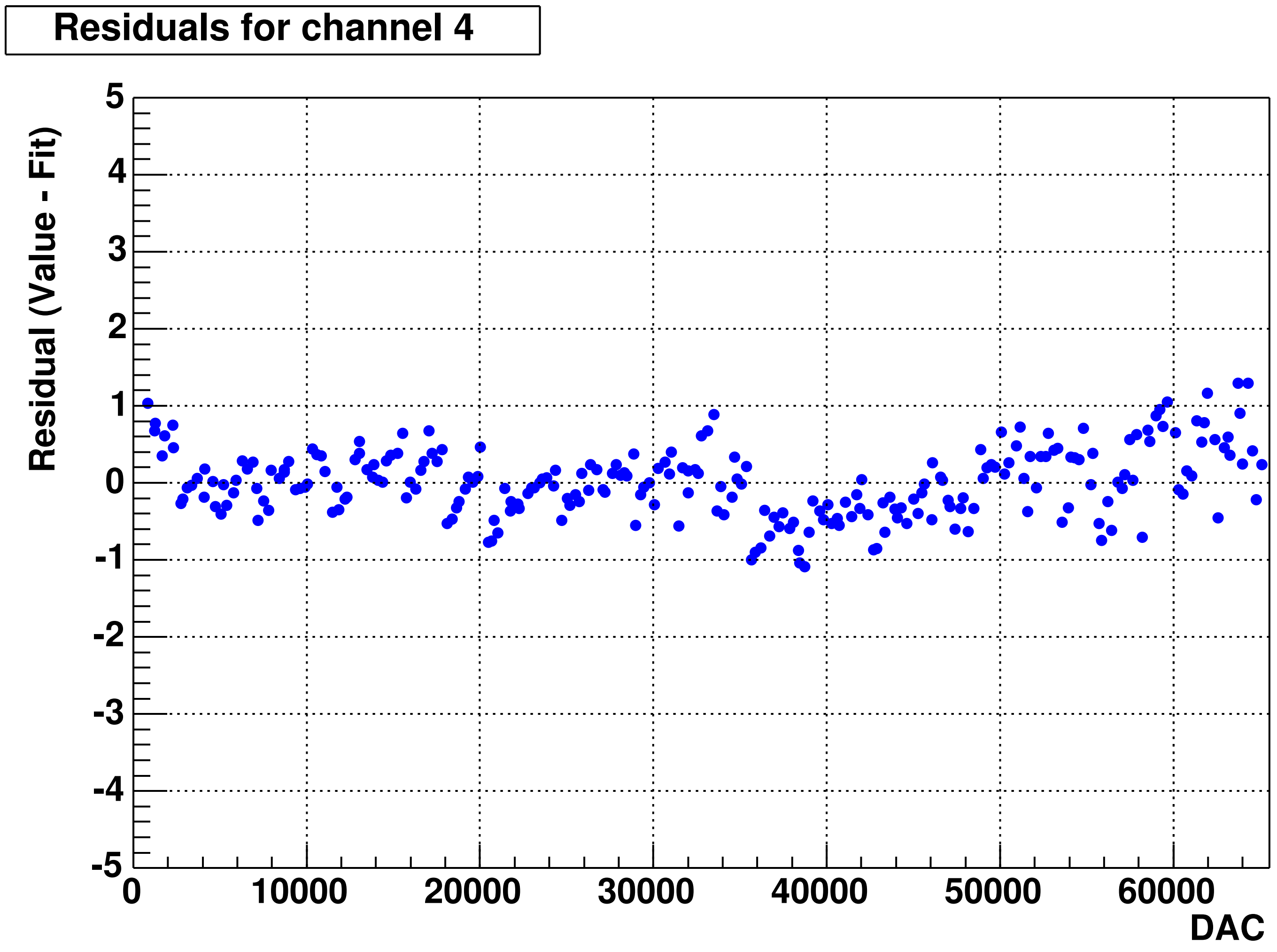
Linear fit for channel 3
χ^2 / ndf 46.04 / 251
p0 -27.55 ± 0.1338
p1 0.2301 ± 3.922e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

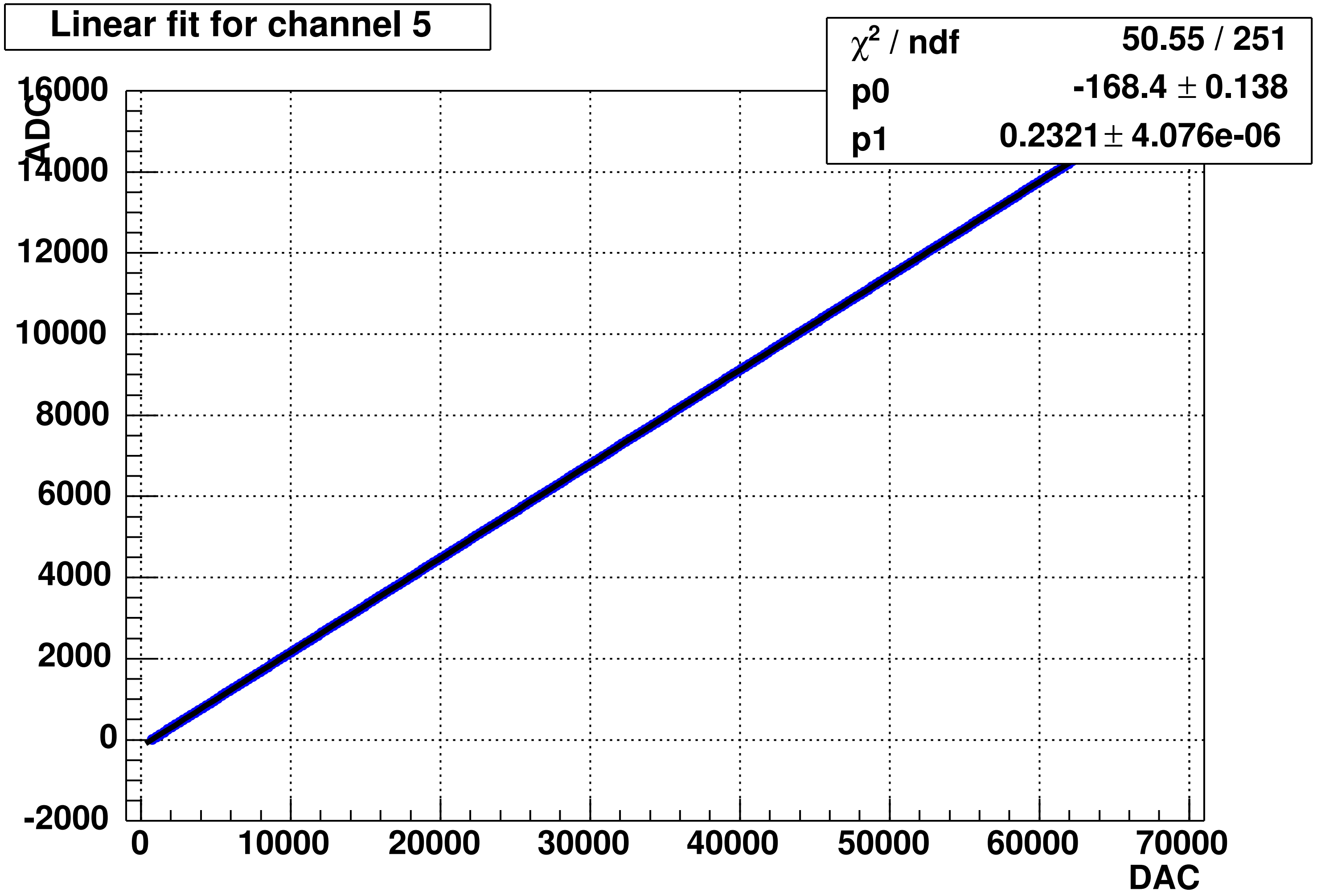


Residuals for channel 3
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



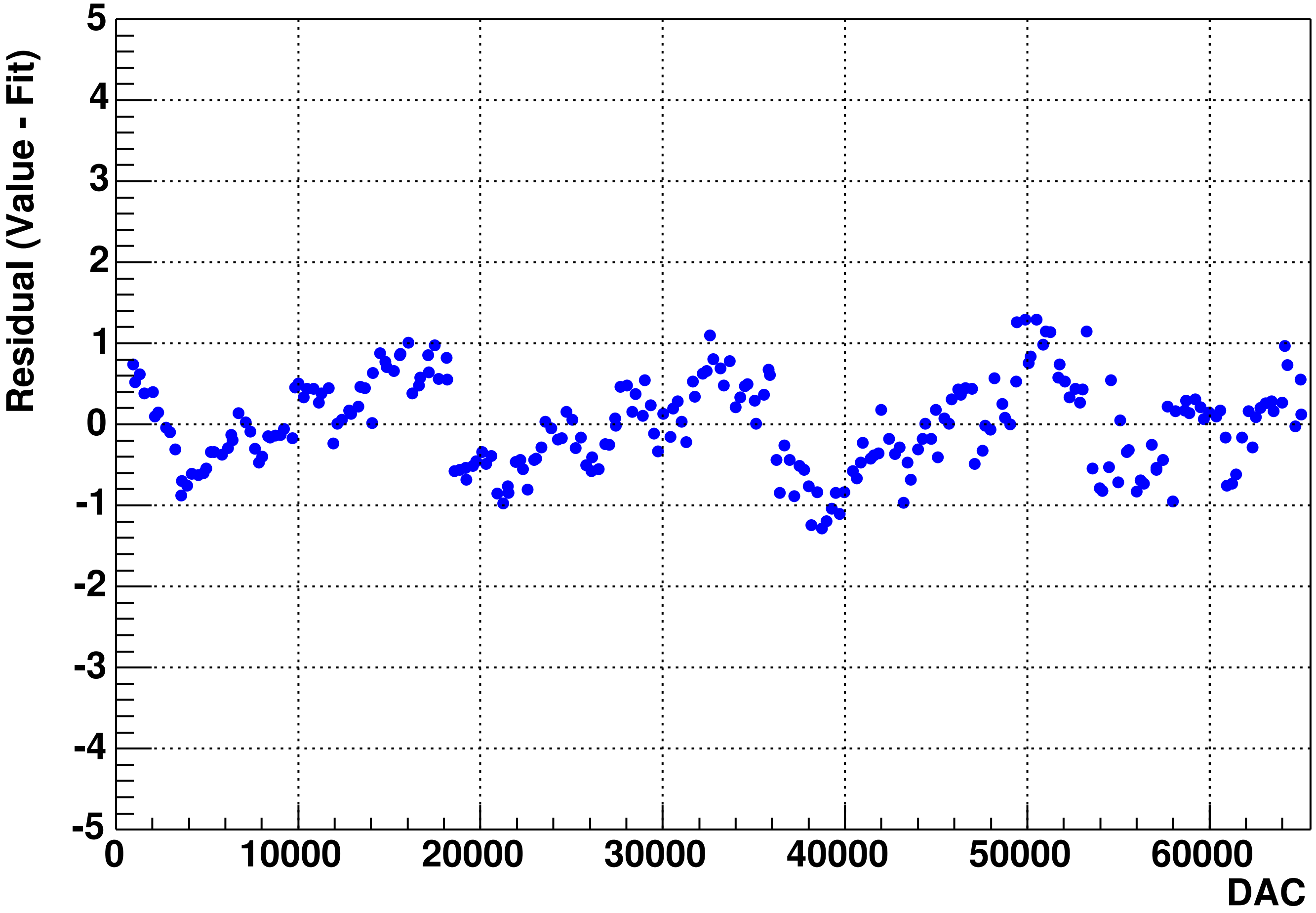
Linear fit for channel 4
χ^2 / ndf 32.85 / 251
p0 -23.79 ± 0.1362
p1 0.2301 ± 3.997e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

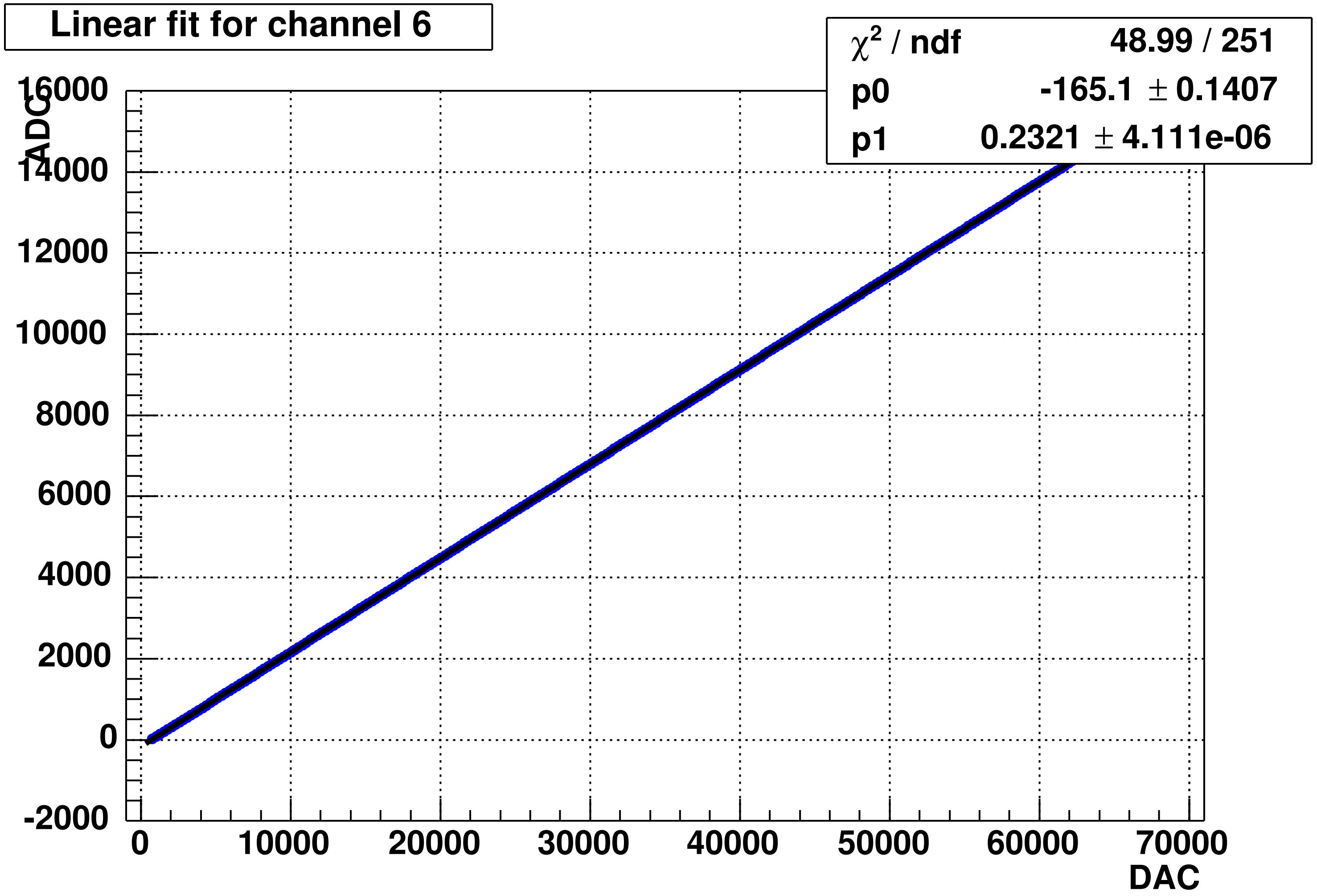

Residuals for channel 4
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

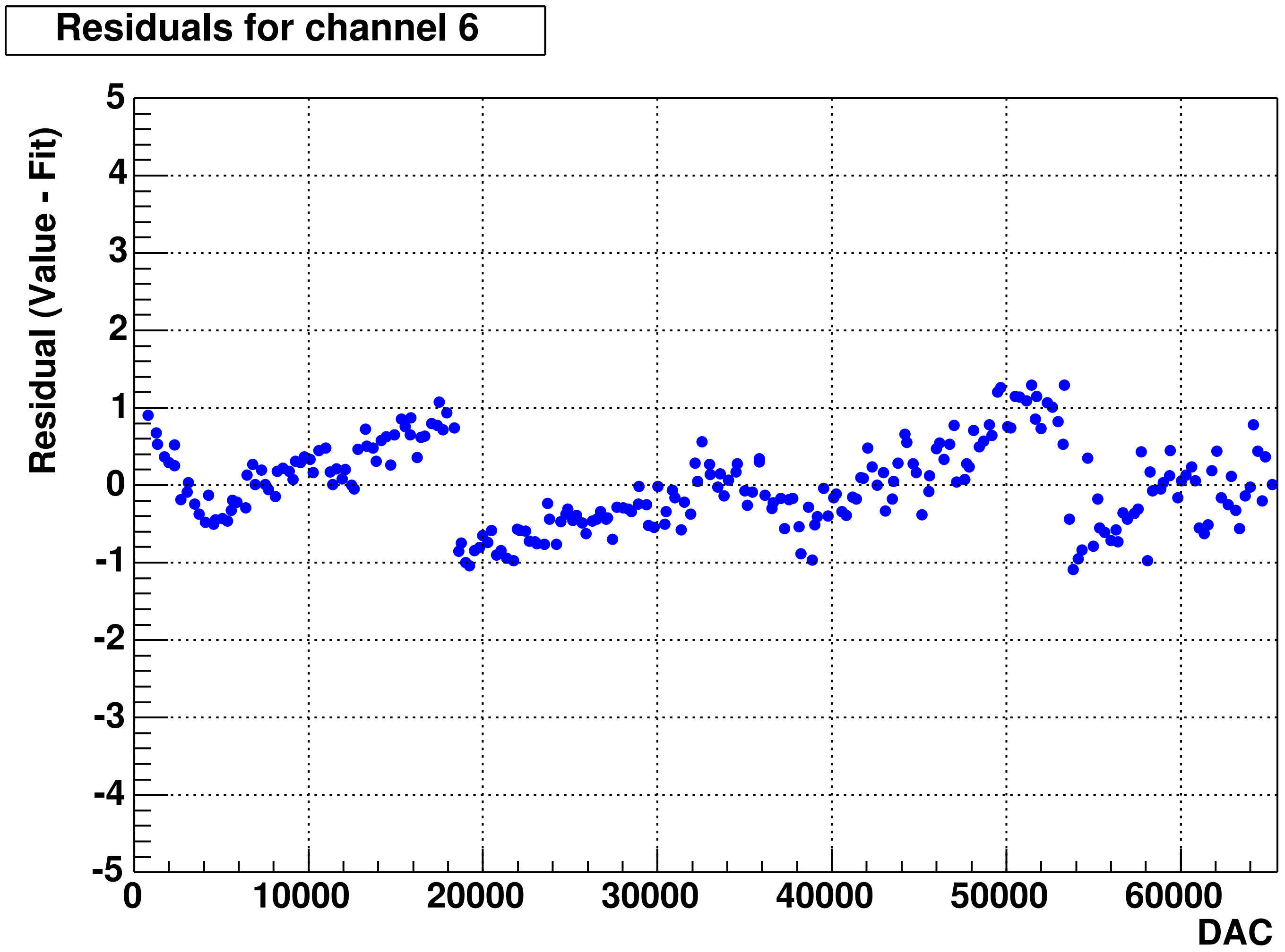


Linear fit for channel 5
χ^2 / ndf 50.55 / 251
p0 -168.4 ± 0.138
p1 0.2321 ± 4.076e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

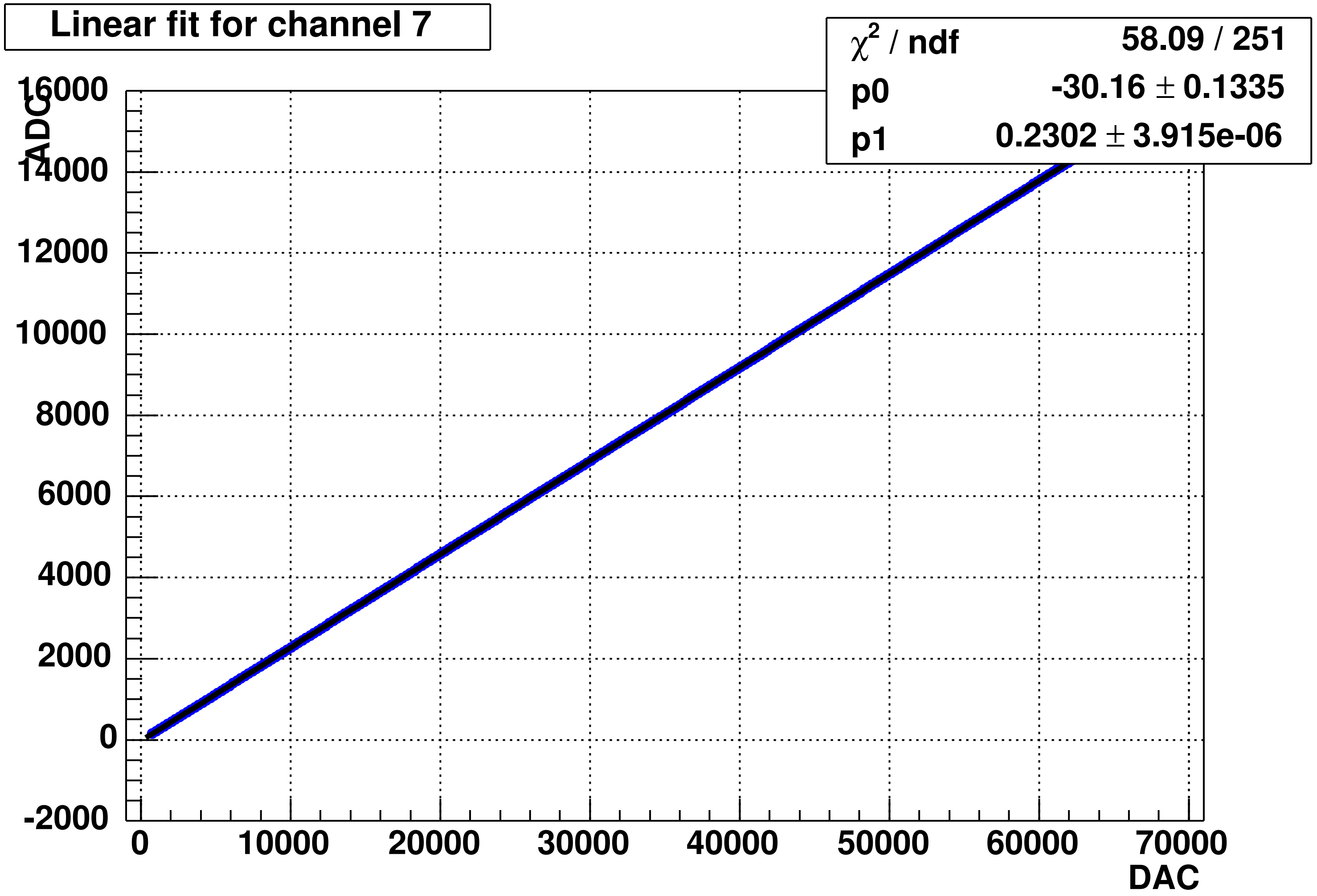
Residuals for channel 5

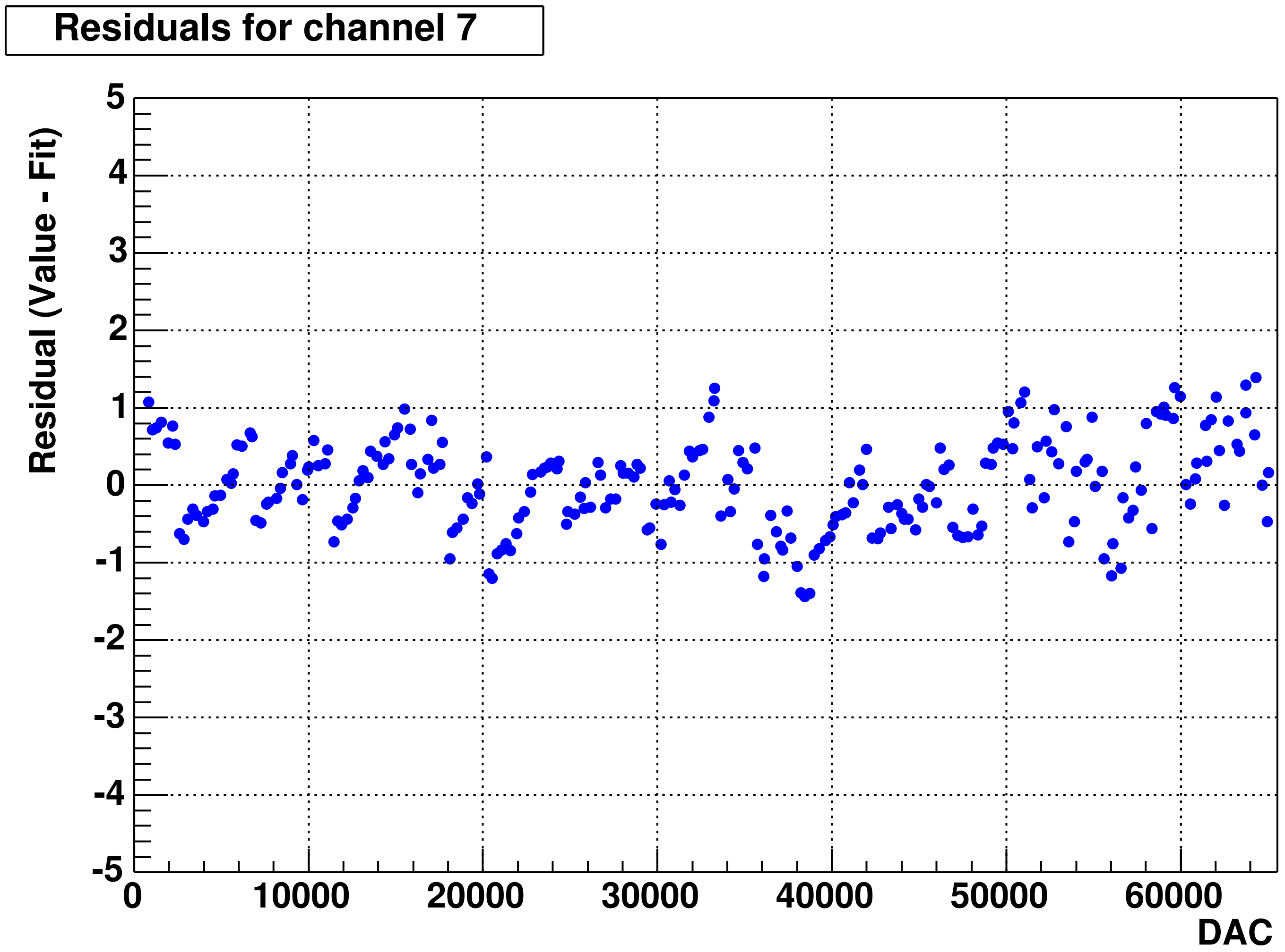


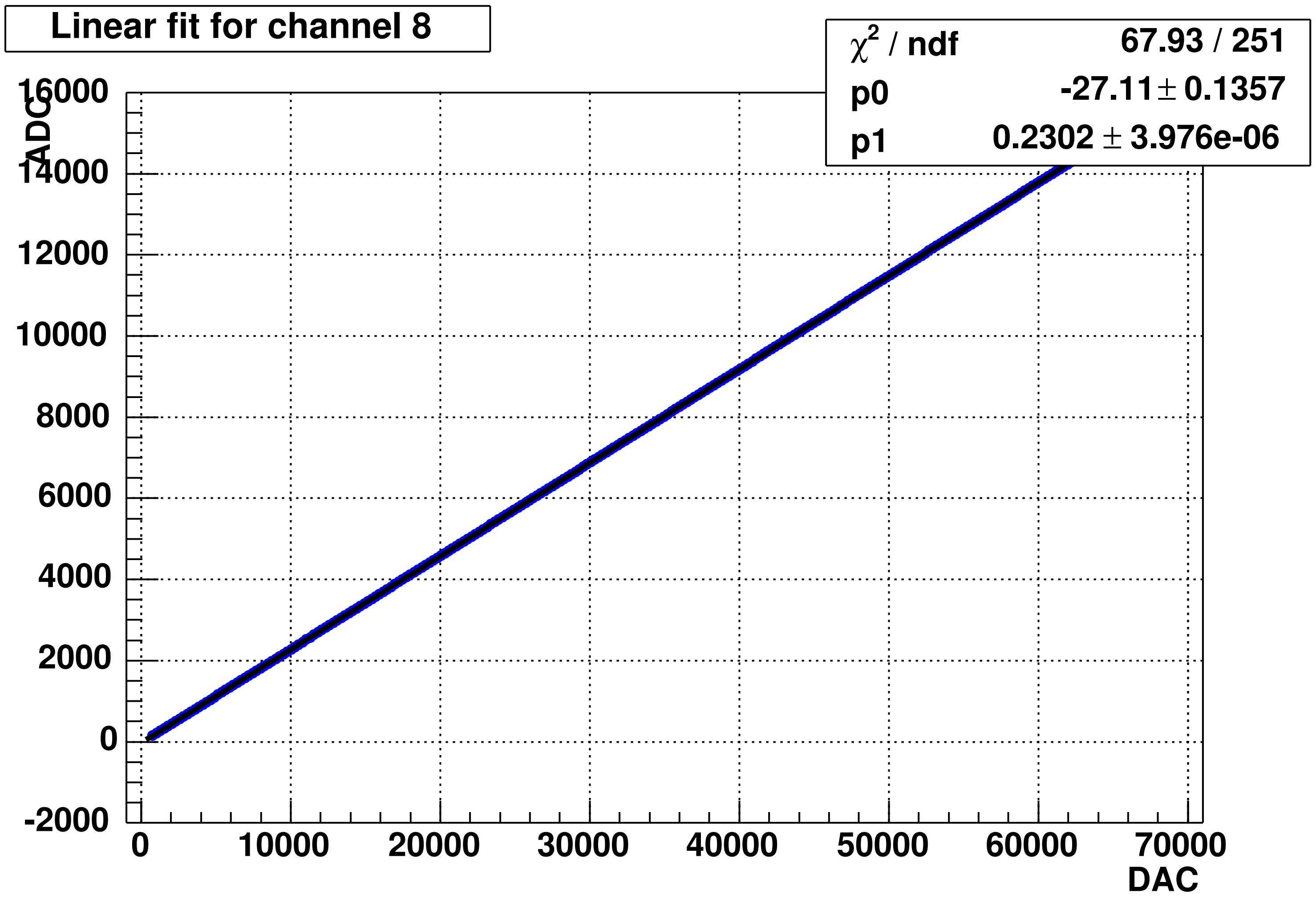

Linear fit for channel 6
χ^2 / ndf 48.99 / 251
p0 -165.1 ± 0.1407
p1 0.2321 ± 4.111e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

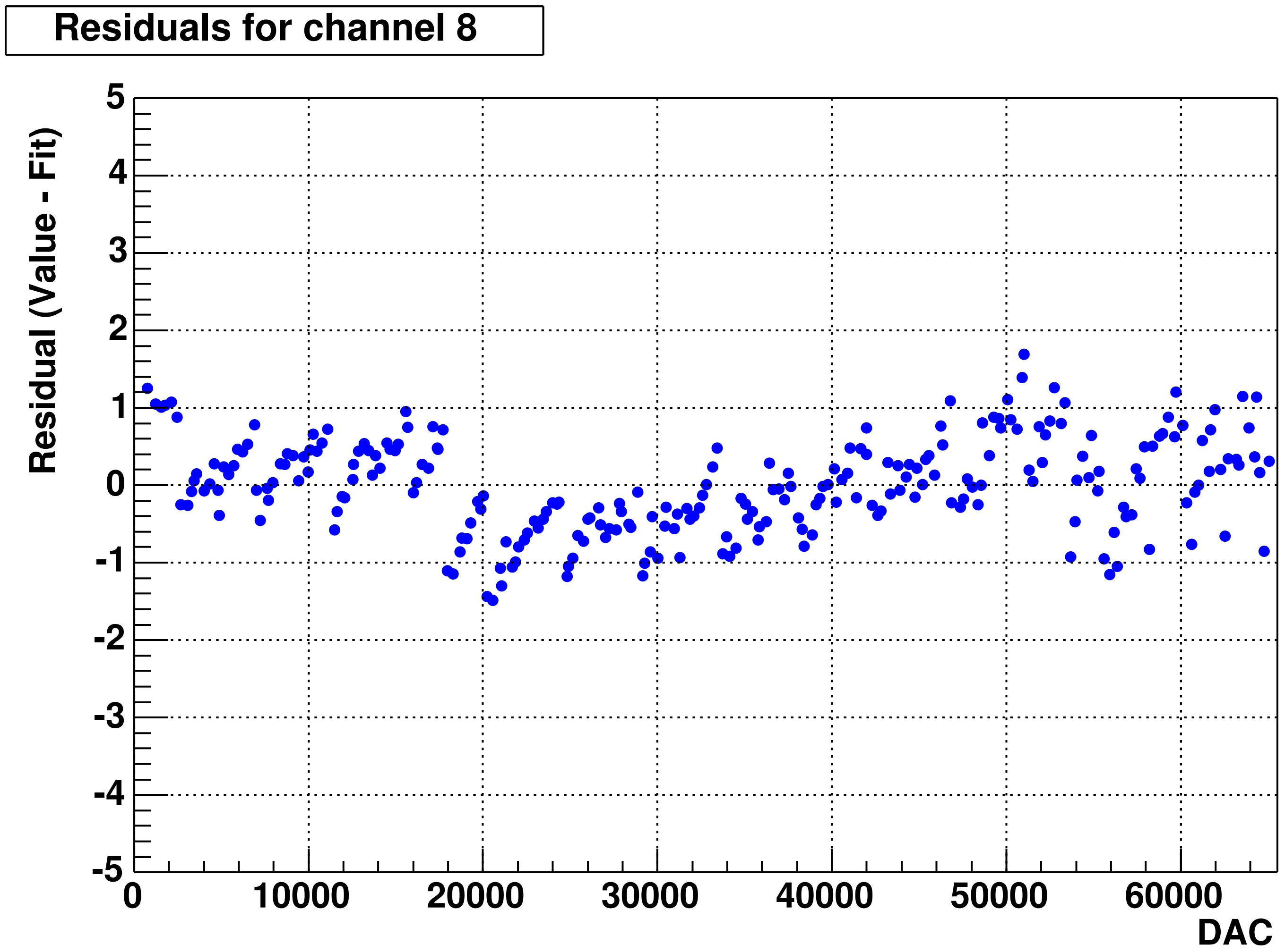


Residuals for channel 6
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

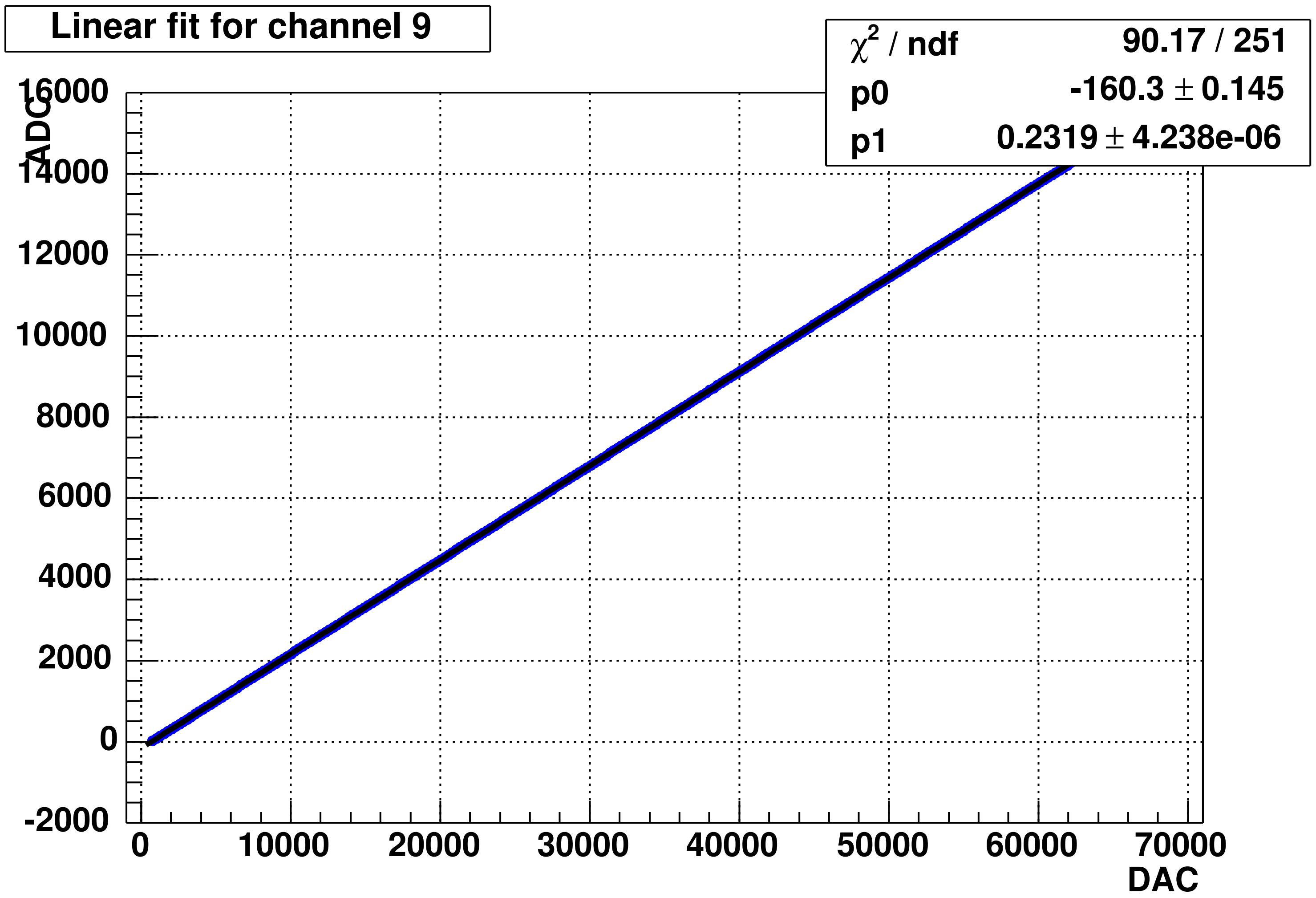

Linear fit for channel 7
χ^2 / ndf 58.09 / 251
p0 -30.16 ± 0.1335
p1 0.2302 ± 3.915e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

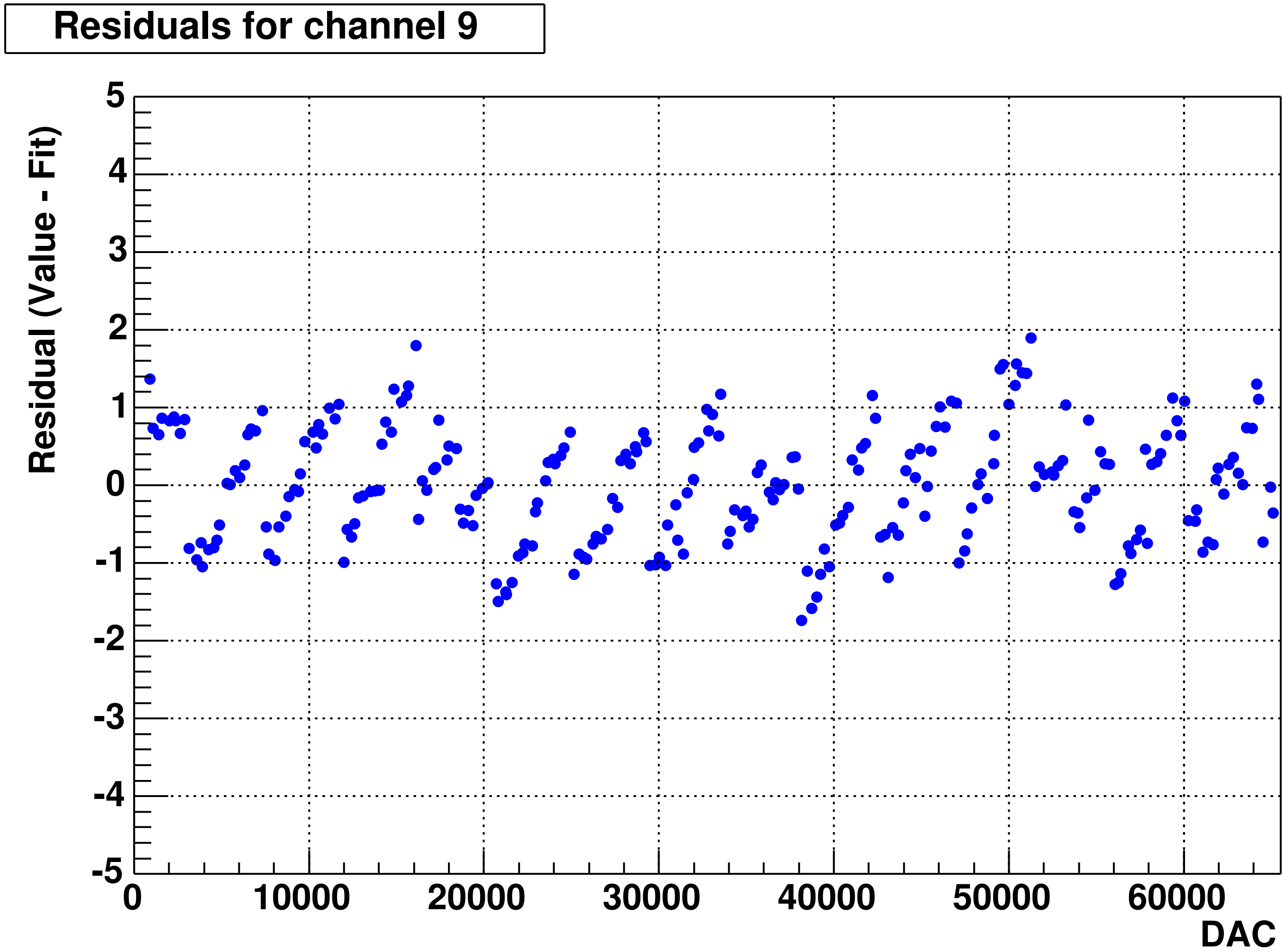

Residuals for channel 7
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000


Linear fit for channel 8
χ^2 / ndf 67.93 / 251
p0 -27.11 ± 0.1357
p1 0.2302 ± 3.976e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

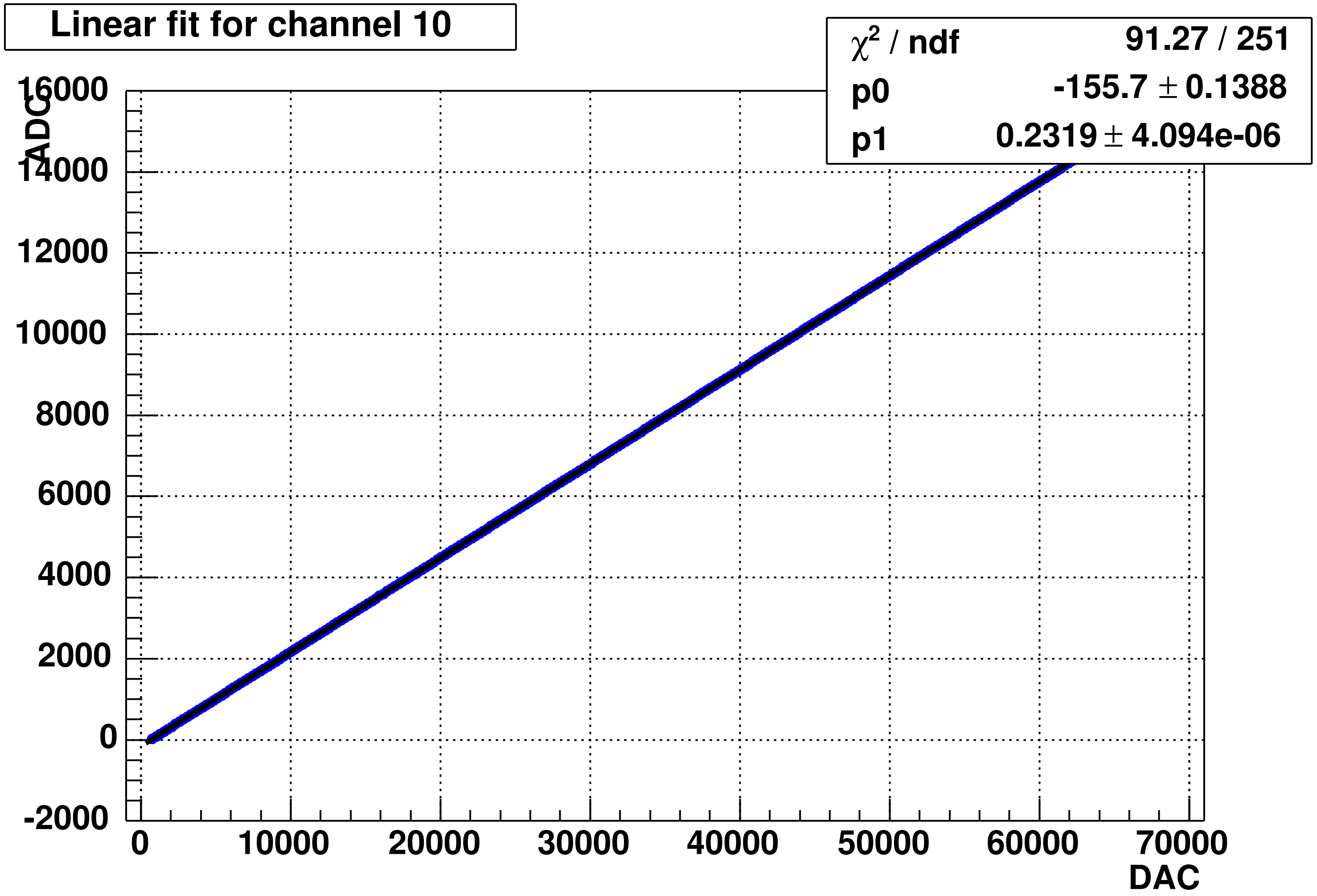


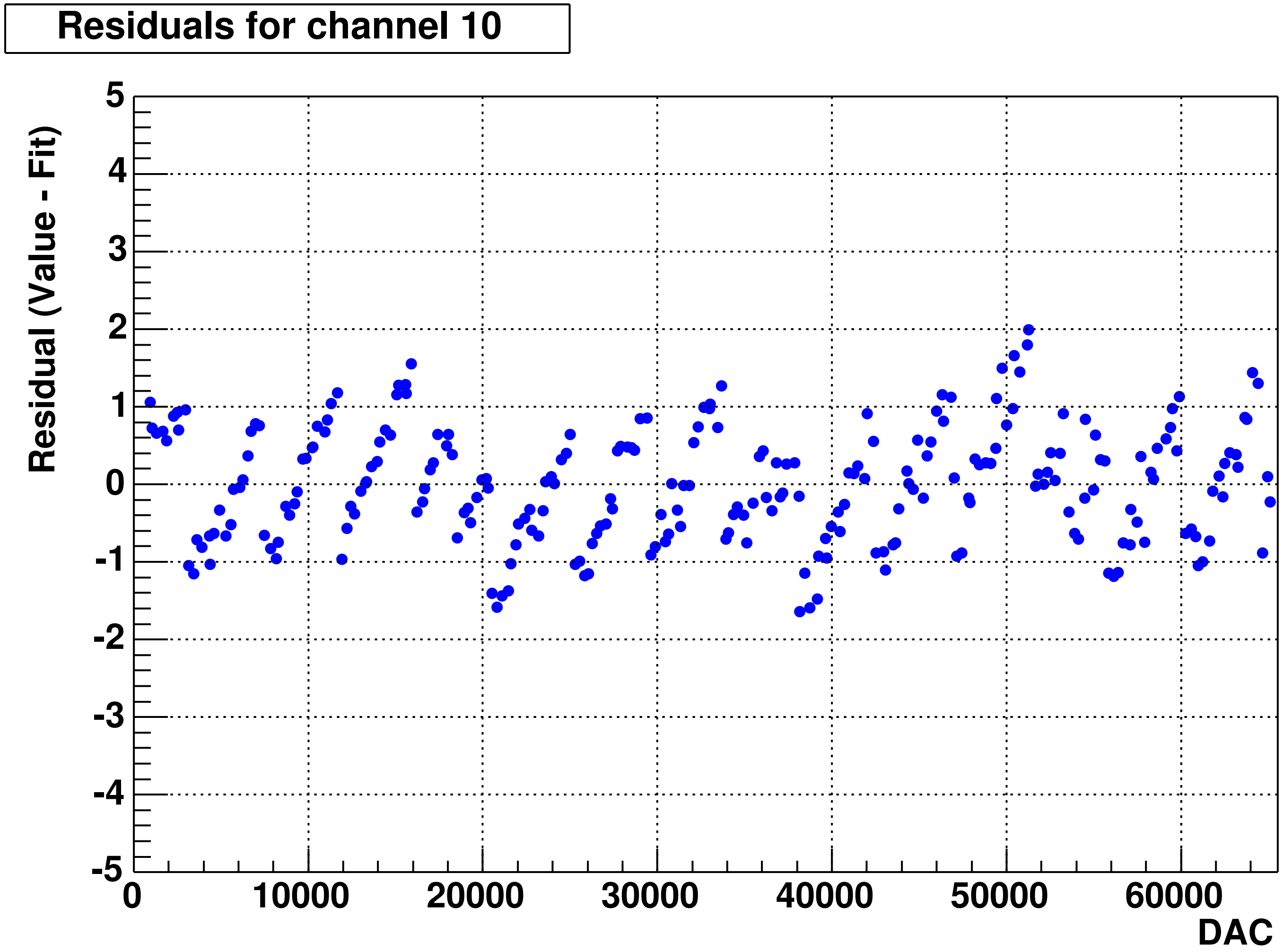
Residuals for channel 8
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

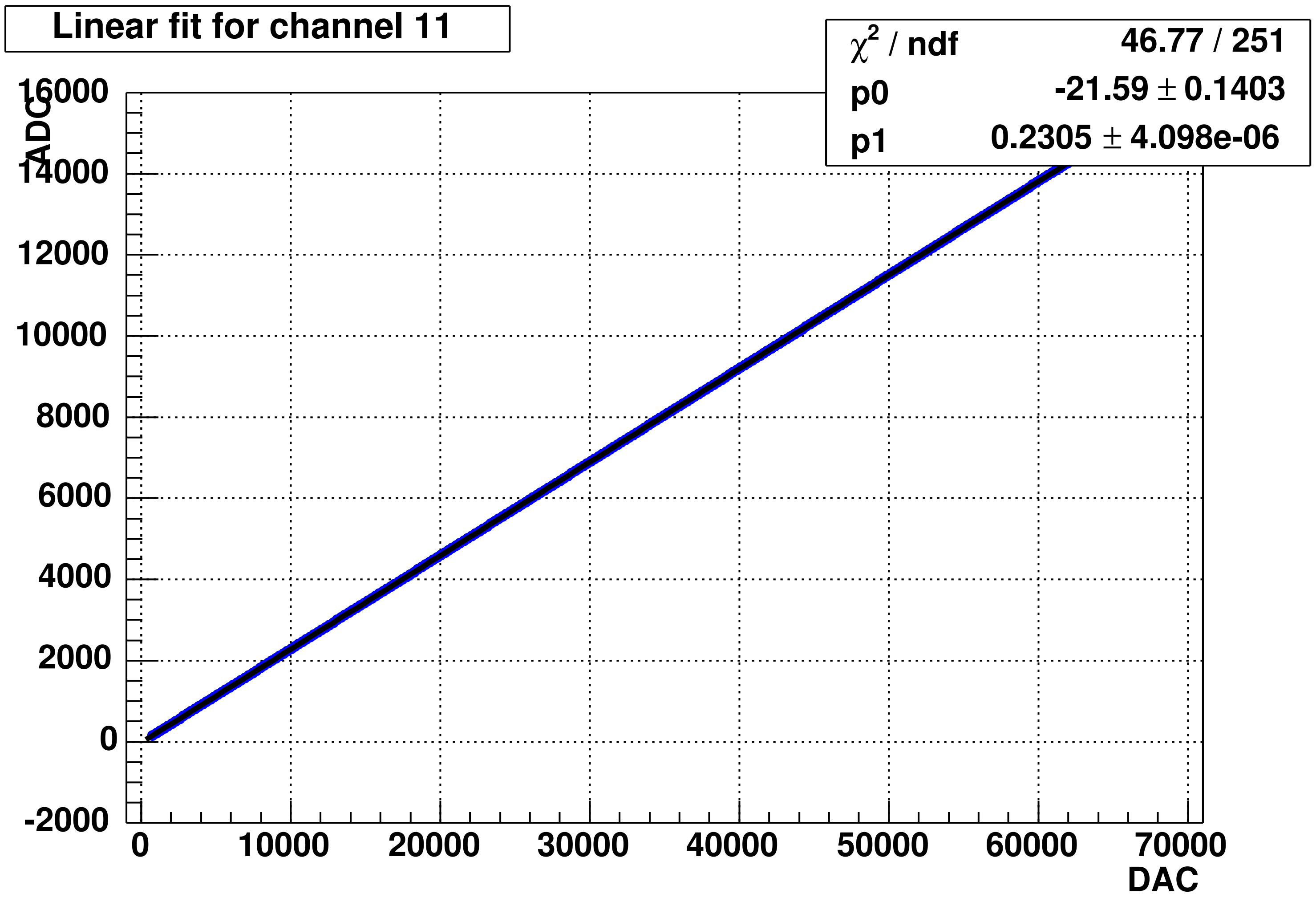

Linear fit for channel 9
χ^2 / ndf 90.17 / 251
p0 -160.3 ± 0.145
p1 0.2319 ± 4.238e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

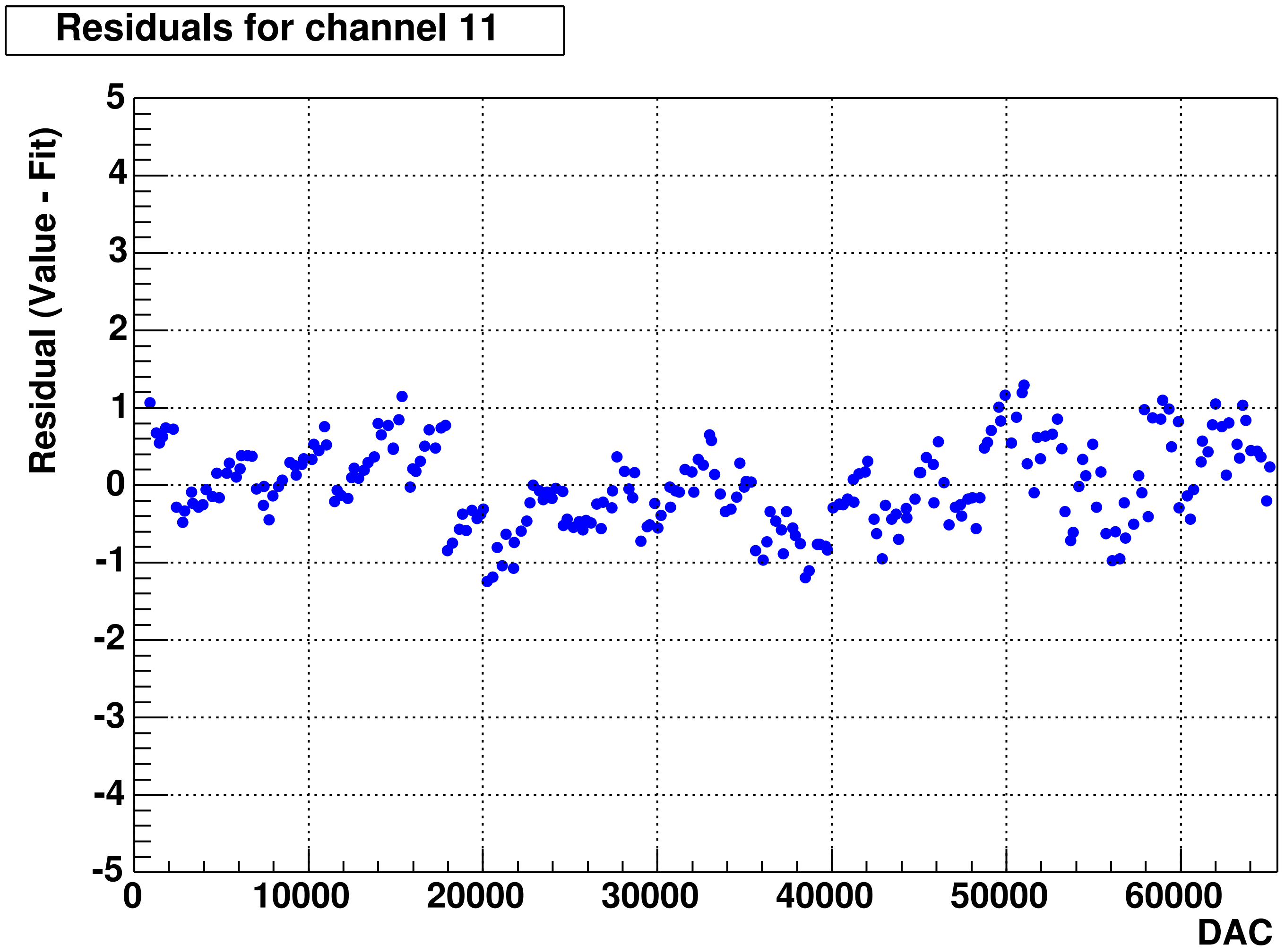


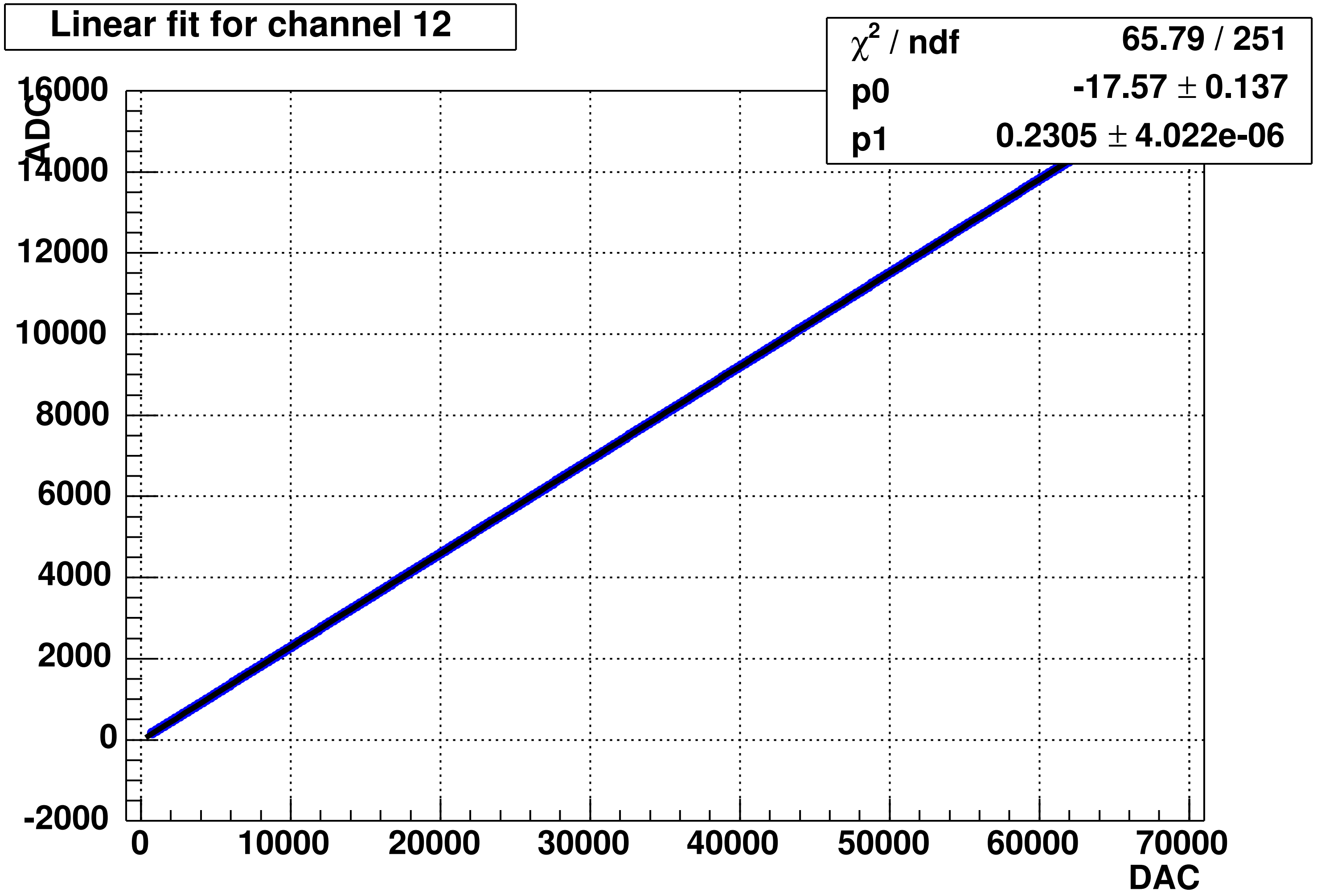
Residuals for channel 9
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 10
χ^2 / ndf 91.27 / 251
p0 -155.7 ± 0.1388
p1 0.2319 ± 4.094e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

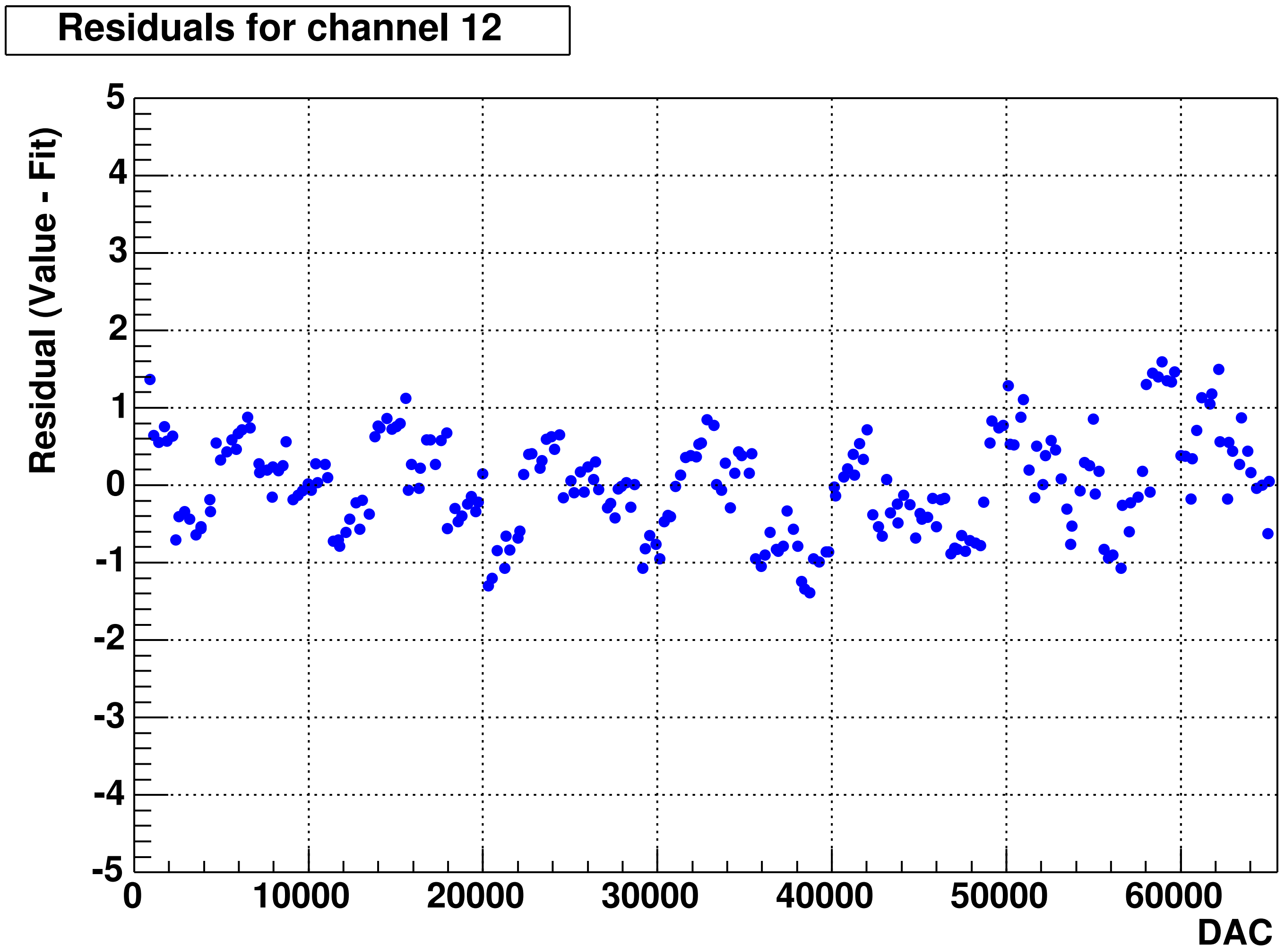

Residuals for channel 10
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 11
χ^2 / ndf 46.77 / 251
p0 -21.59 ± 0.1403
p1 0.2305 ± 4.098e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

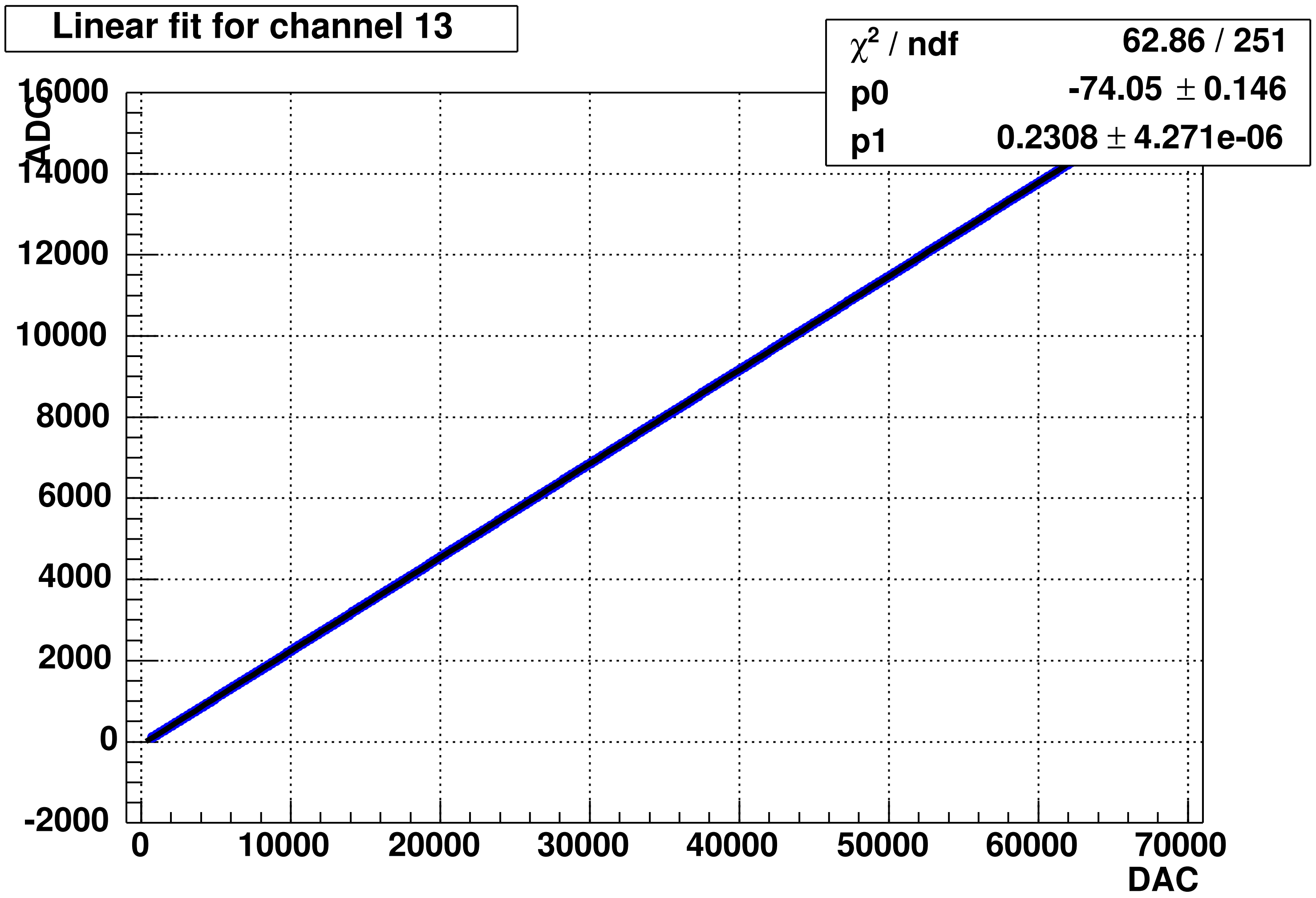

Residuals for channel 11
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



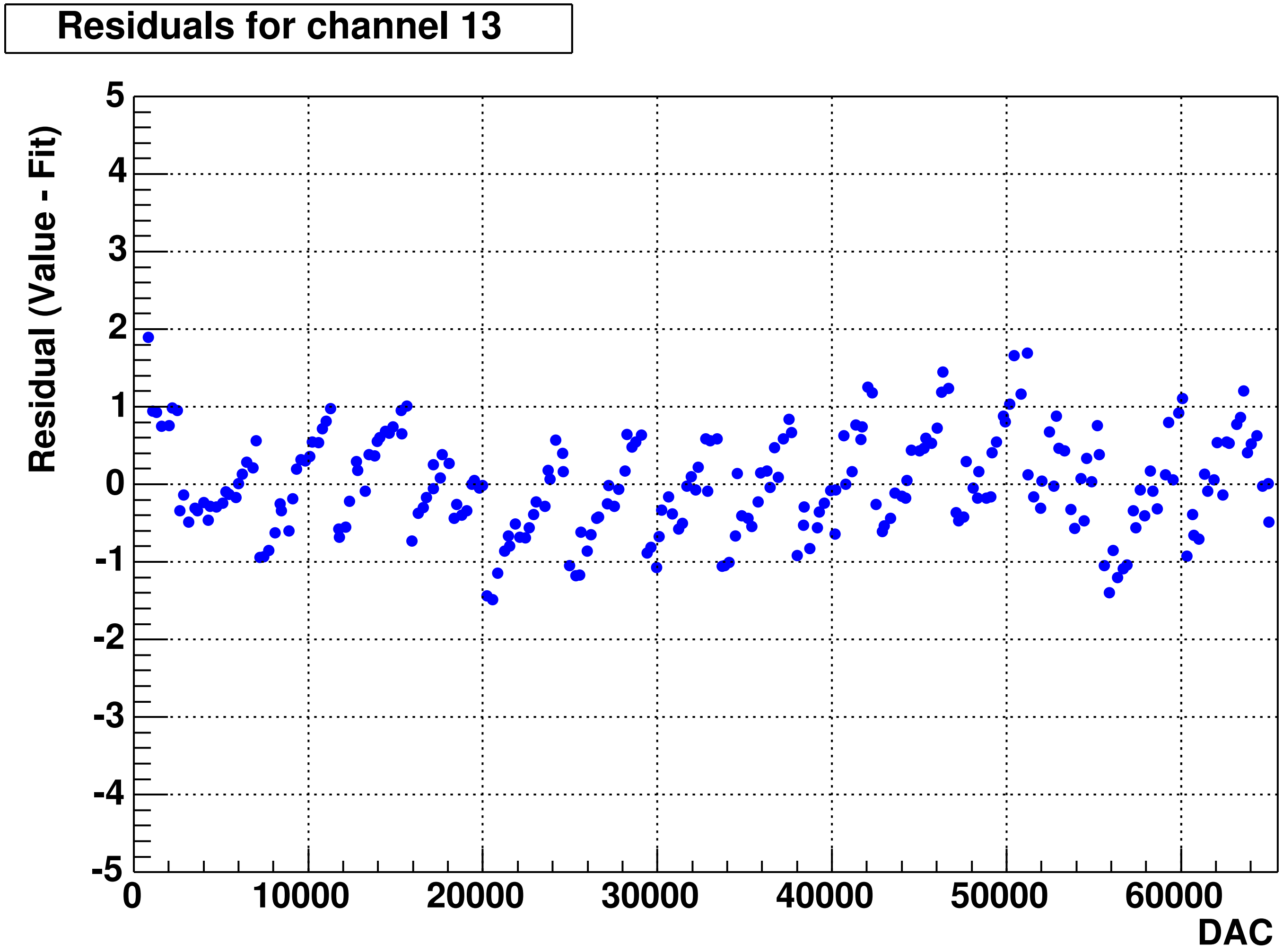
Linear fit for channel 12
χ^2 / ndf 65.79 / 251
p0 -17.57 ± 0.137
p1 0.2305 ± 4.022e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



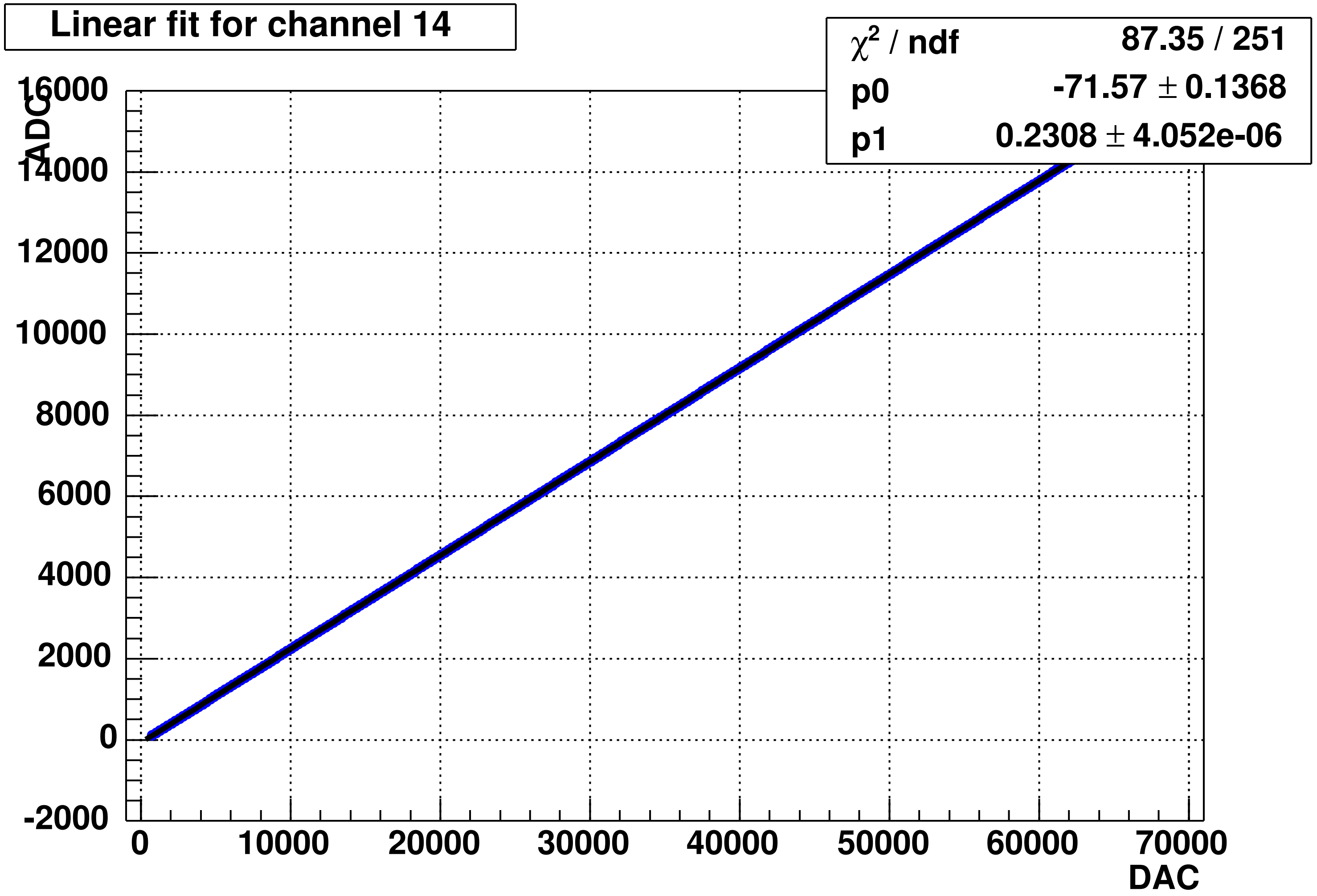
Residuals for channel 12
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



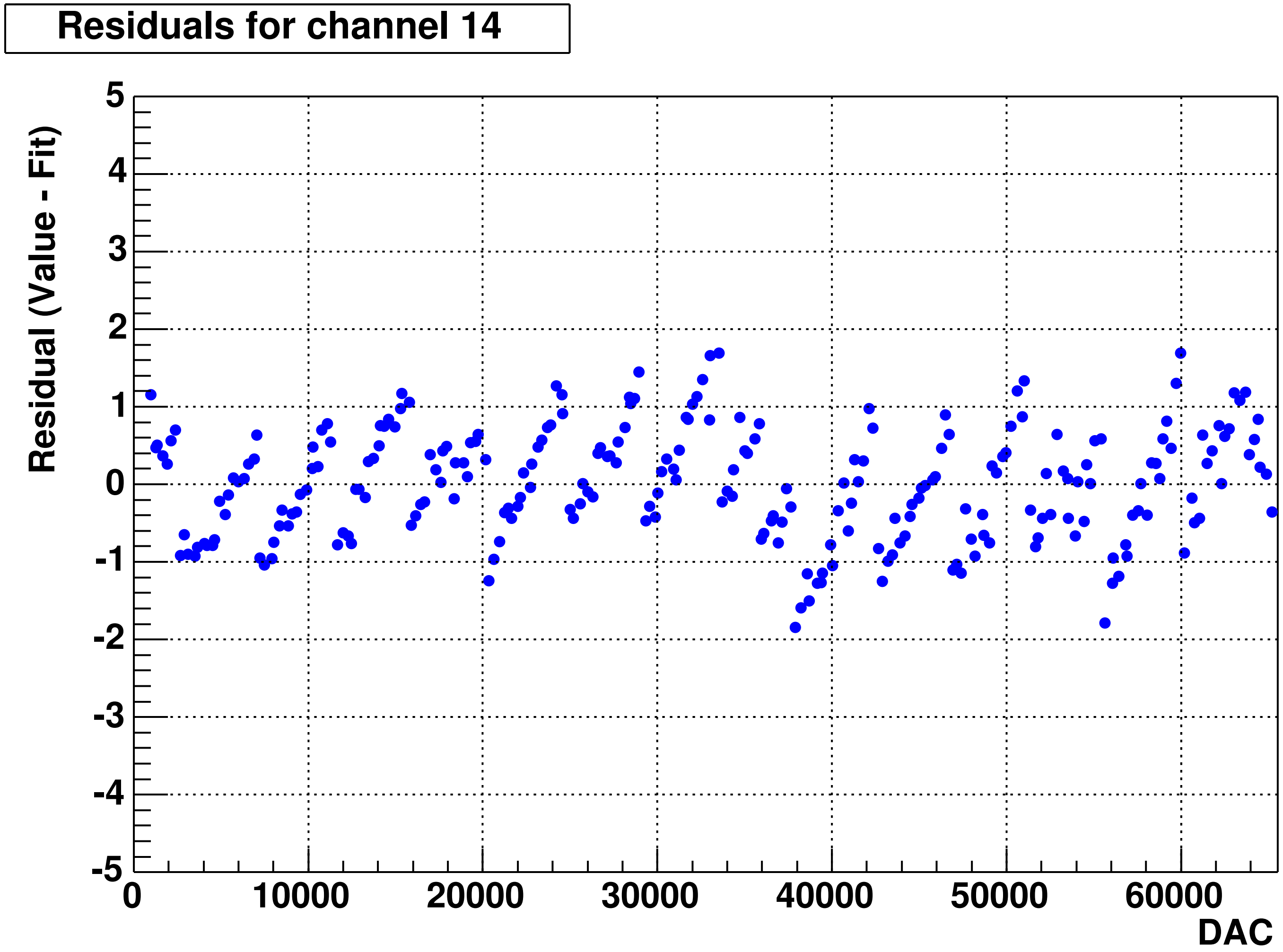
Linear fit for channel 13
χ^2 / ndf 62.86 / 251
p0 -74.05 ± 0.146
p1 0.2308 ± 4.271e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



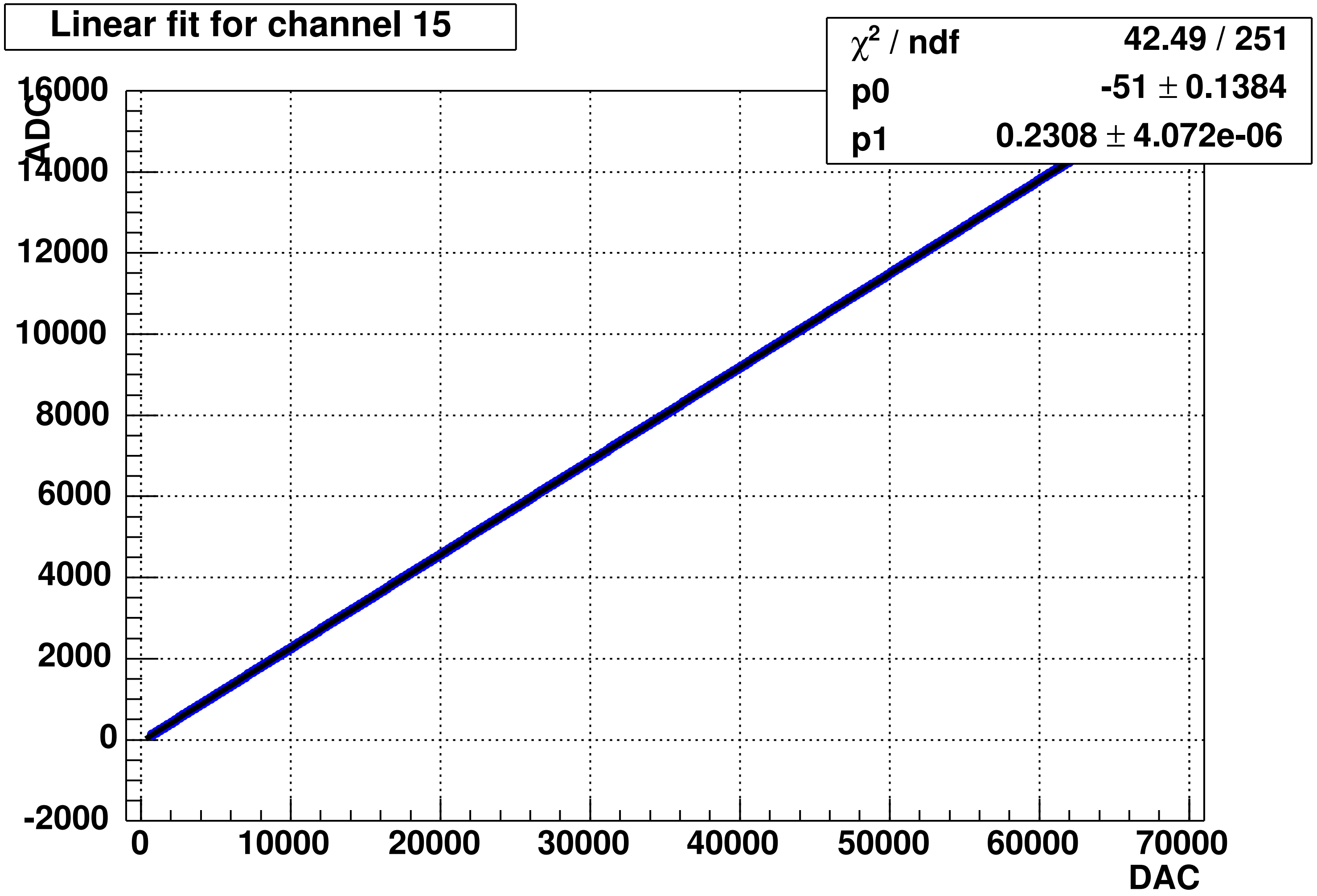
Residuals for channel 13
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



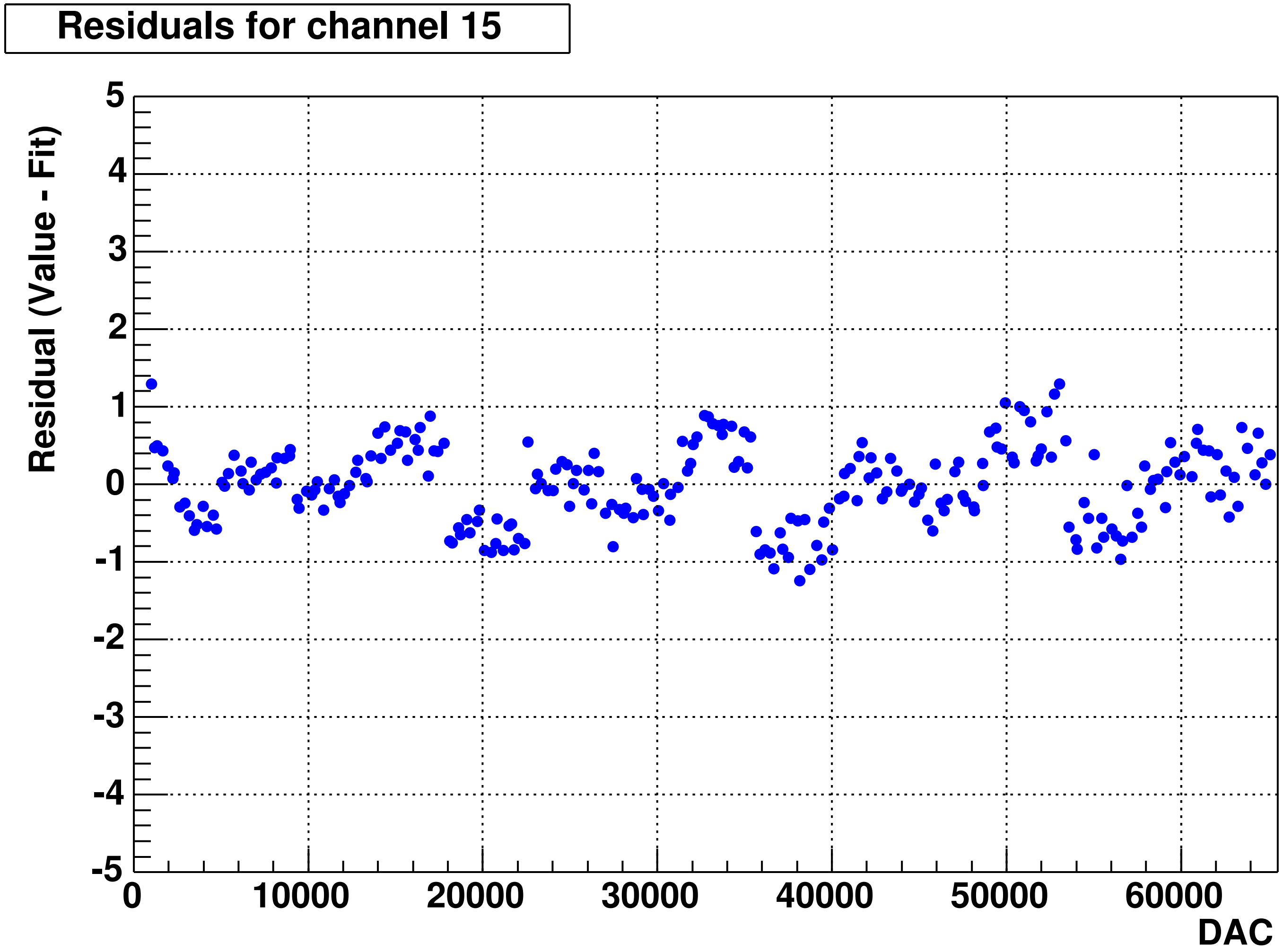
Linear fit for channel 14
χ2 / ndf 87.35 / 251
p0 -71.57 ± 0.1368
p1 0.2308 ± 4.052e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



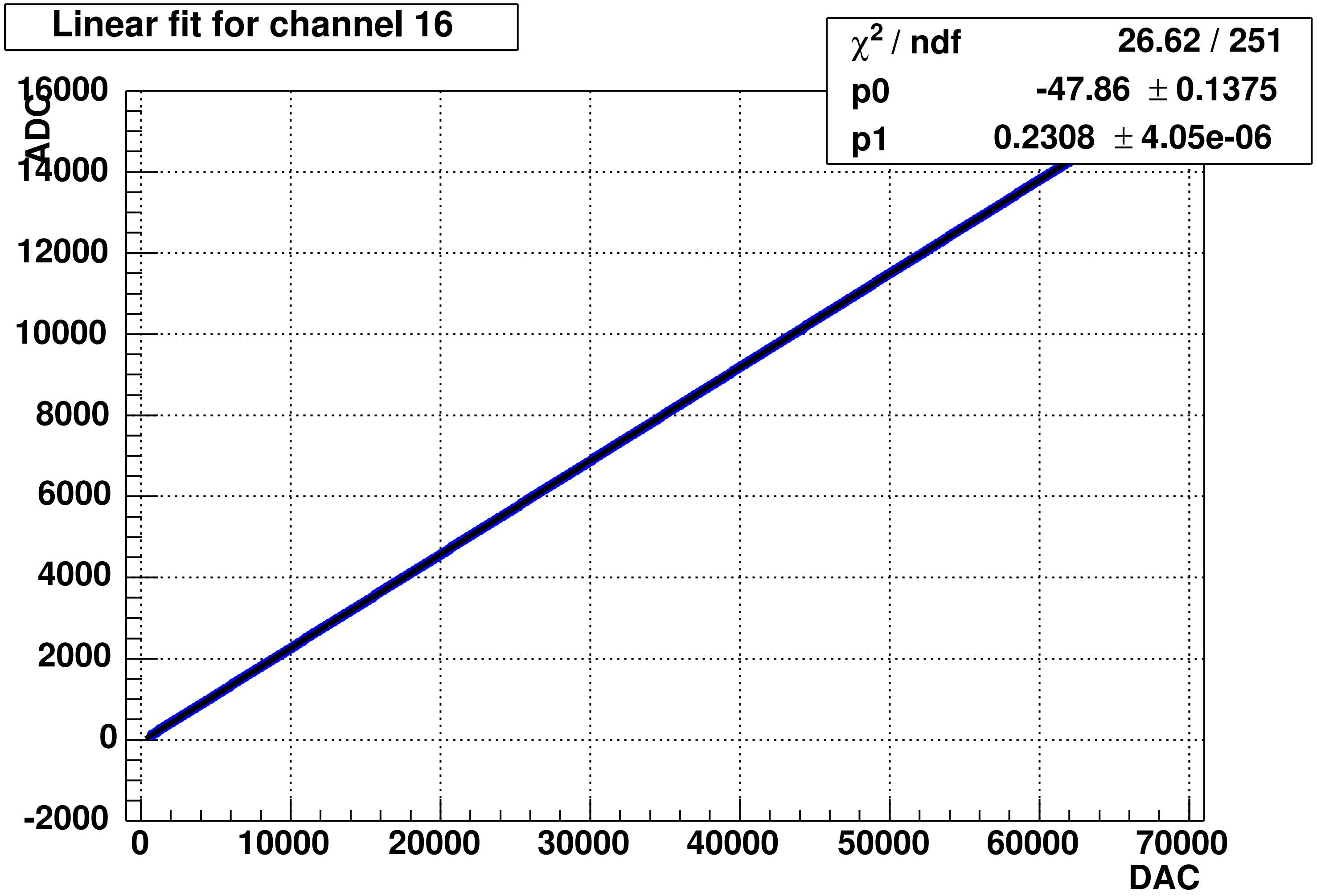
Residuals for channel 14
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



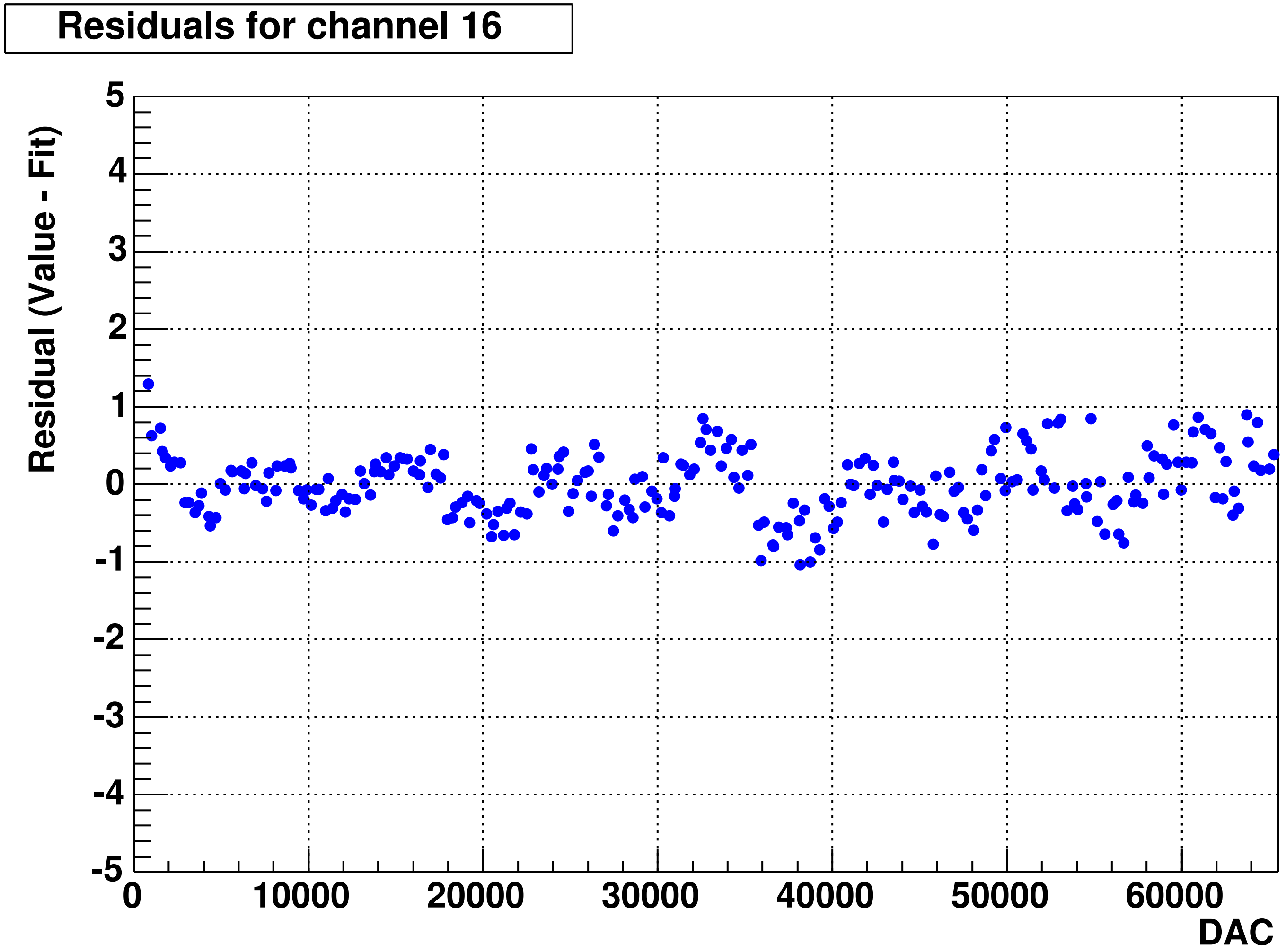
Linear fit for channel 15
χ² / ndf 42.49 / 251
p0 -51 ± 0.1384
p1 0.2308 ± 4.072e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

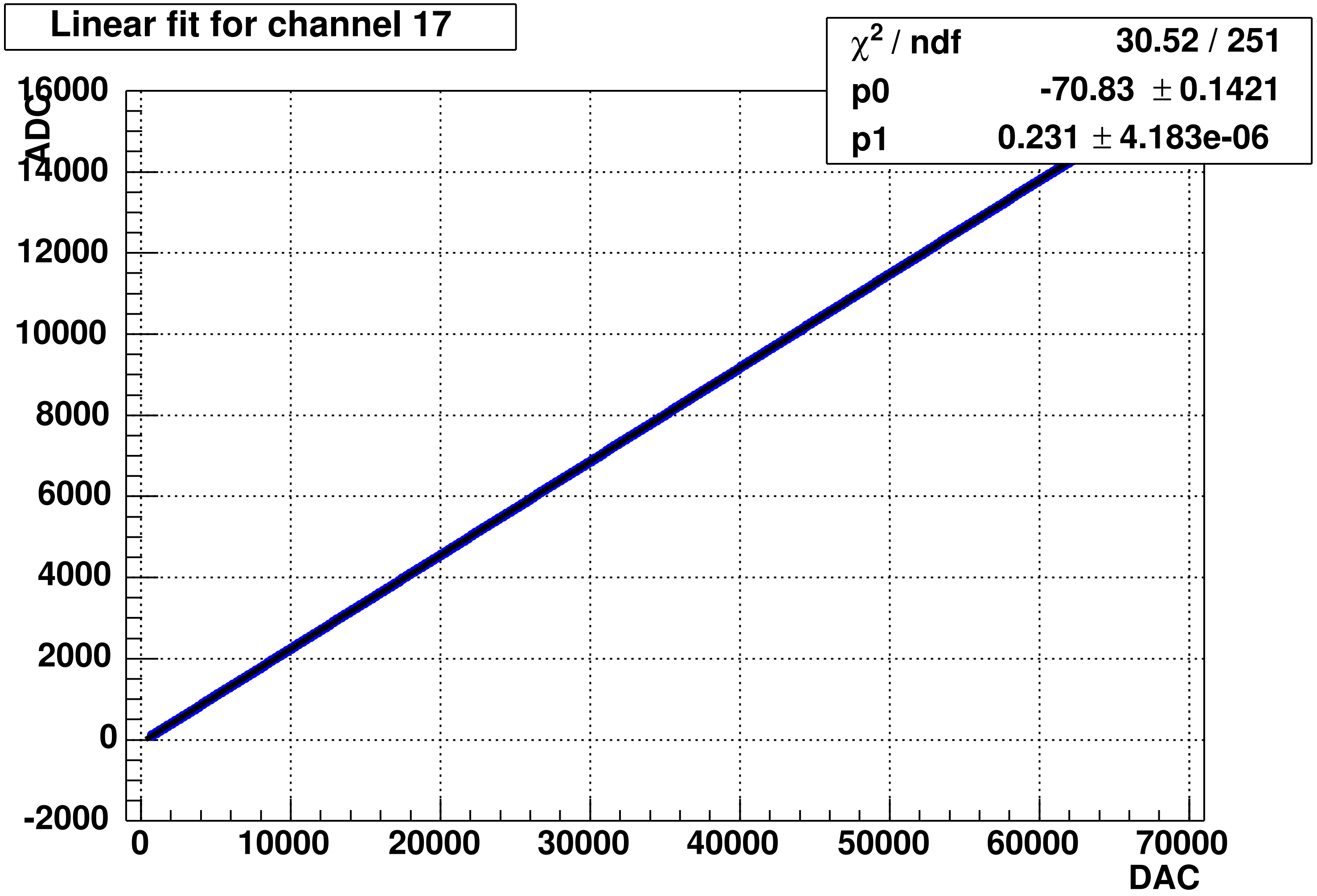


Residuals for channel 15
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

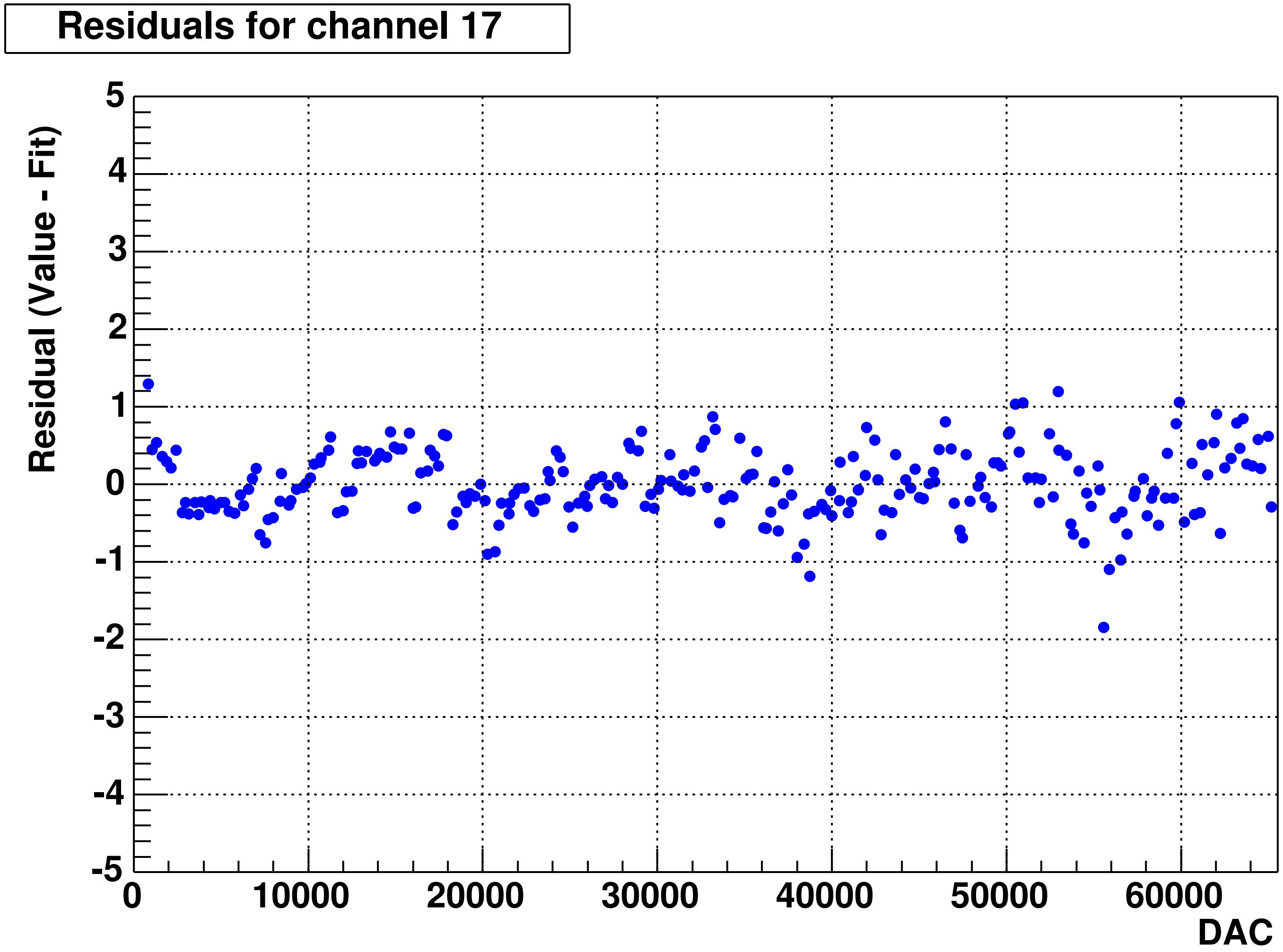


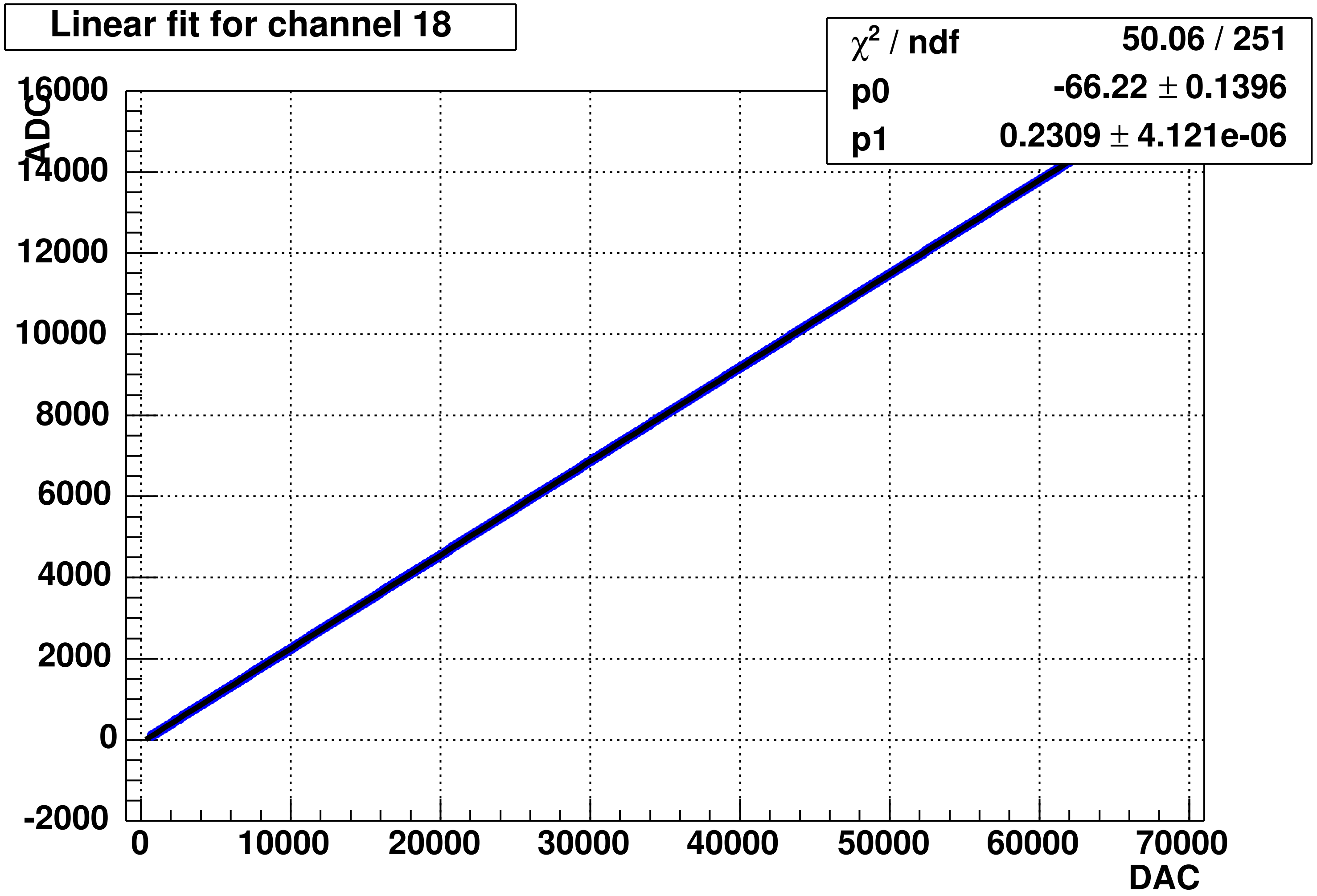
Linear fit for channel 16
χ^2 / ndf 26.62 / 251
p0 -47.86 ± 0.1375
p1 0.2308 ± 4.05e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

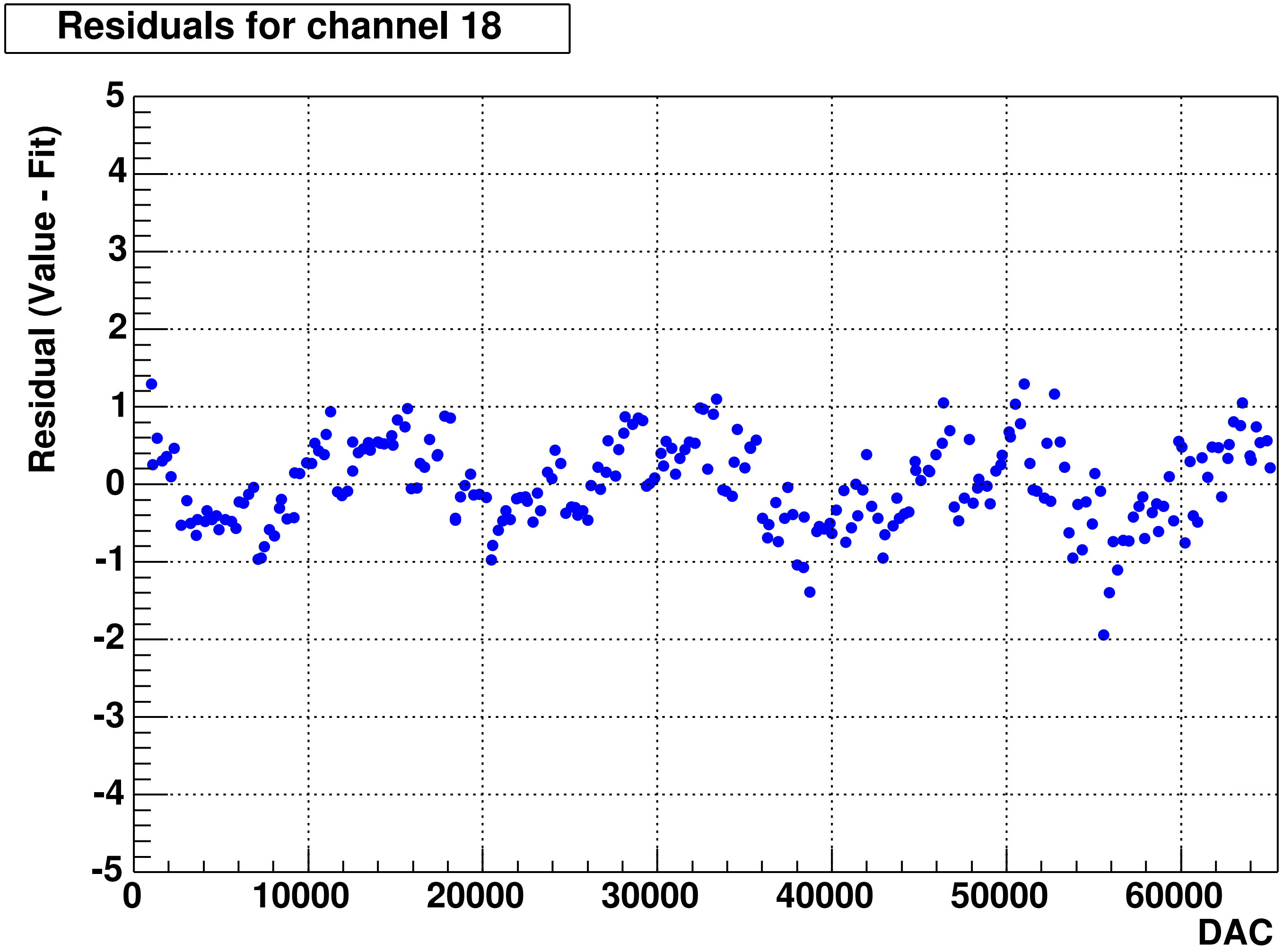

Residuals for channel 16
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

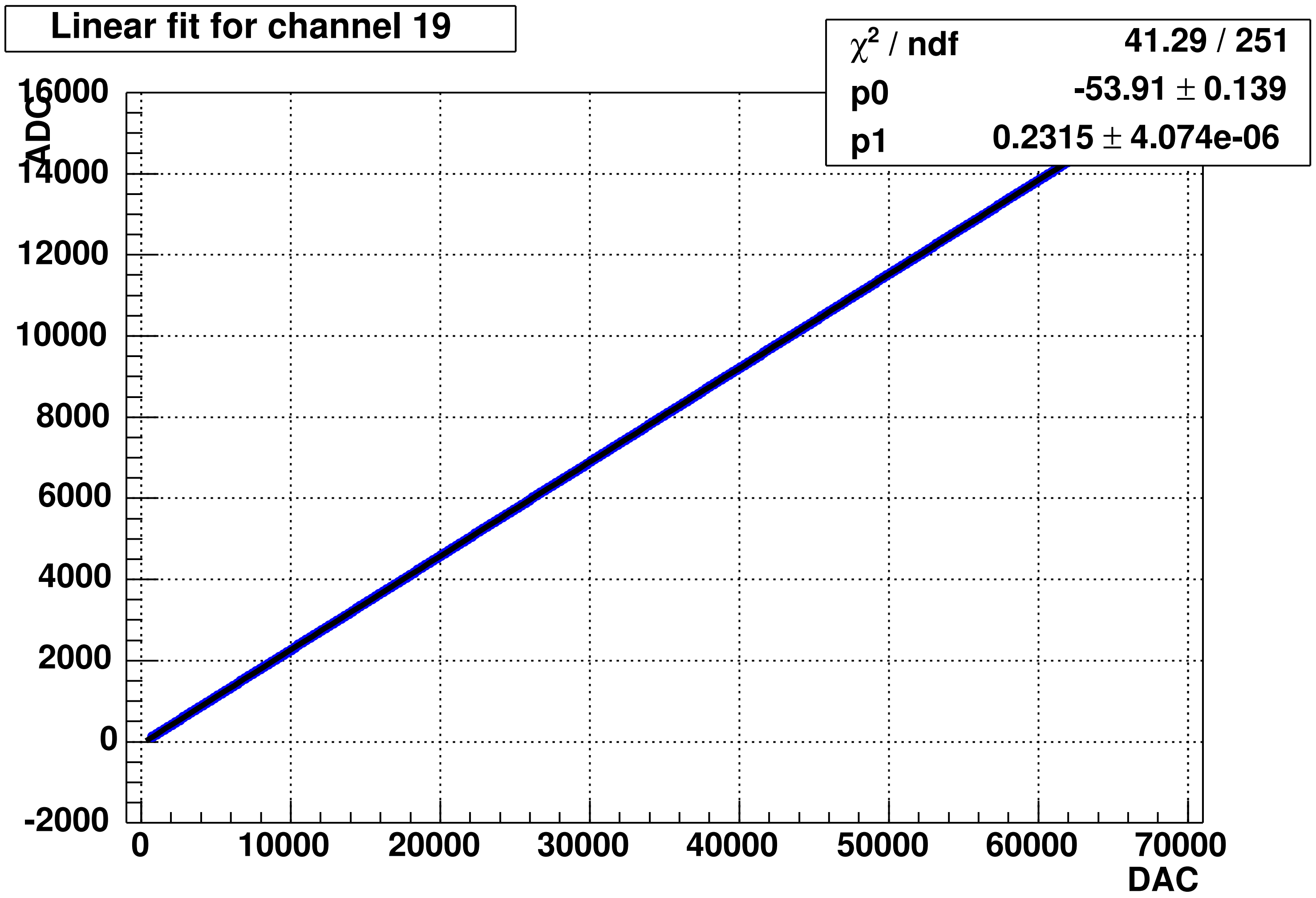


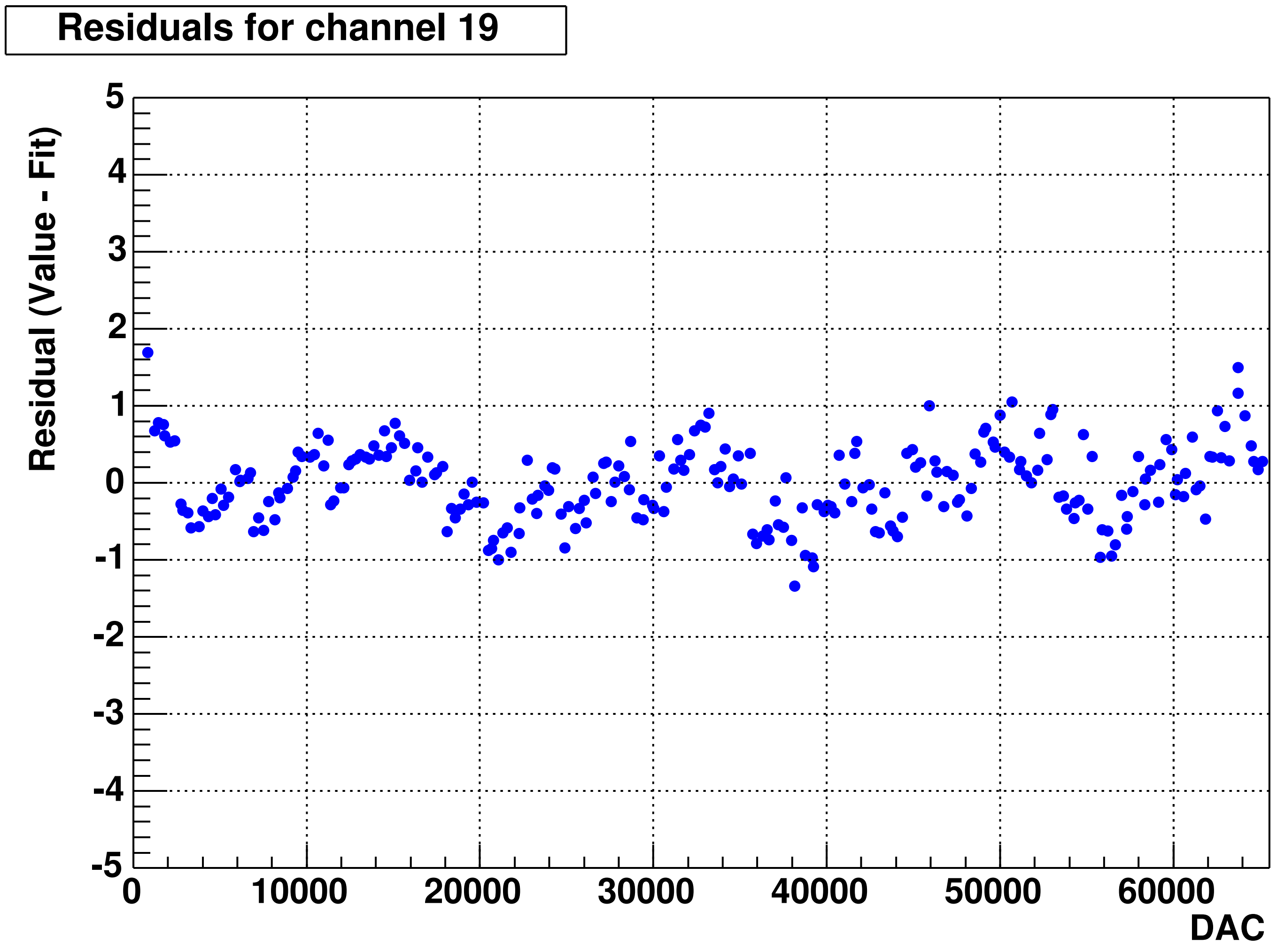
Linear fit for channel 17
χ² / ndf 30.52 / 251
p0 -70.83 ± 0.1421
p1 0.231 ± 4.183e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 17
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

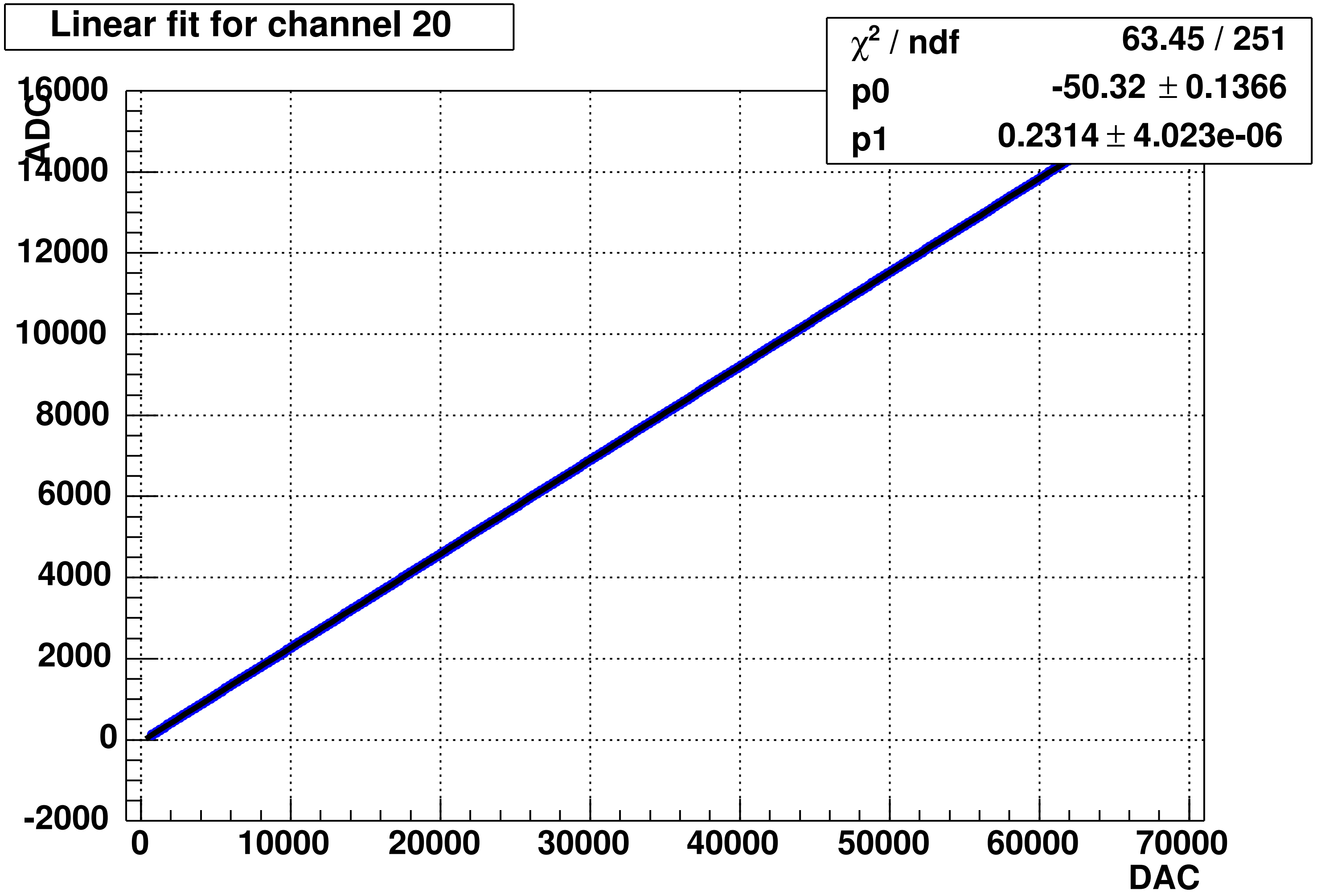

Linear fit for channel 18
χ2 / ndf 50.06 / 251
p0 -66.22 ± 0.1396
p1 0.2309 ± 4.121e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

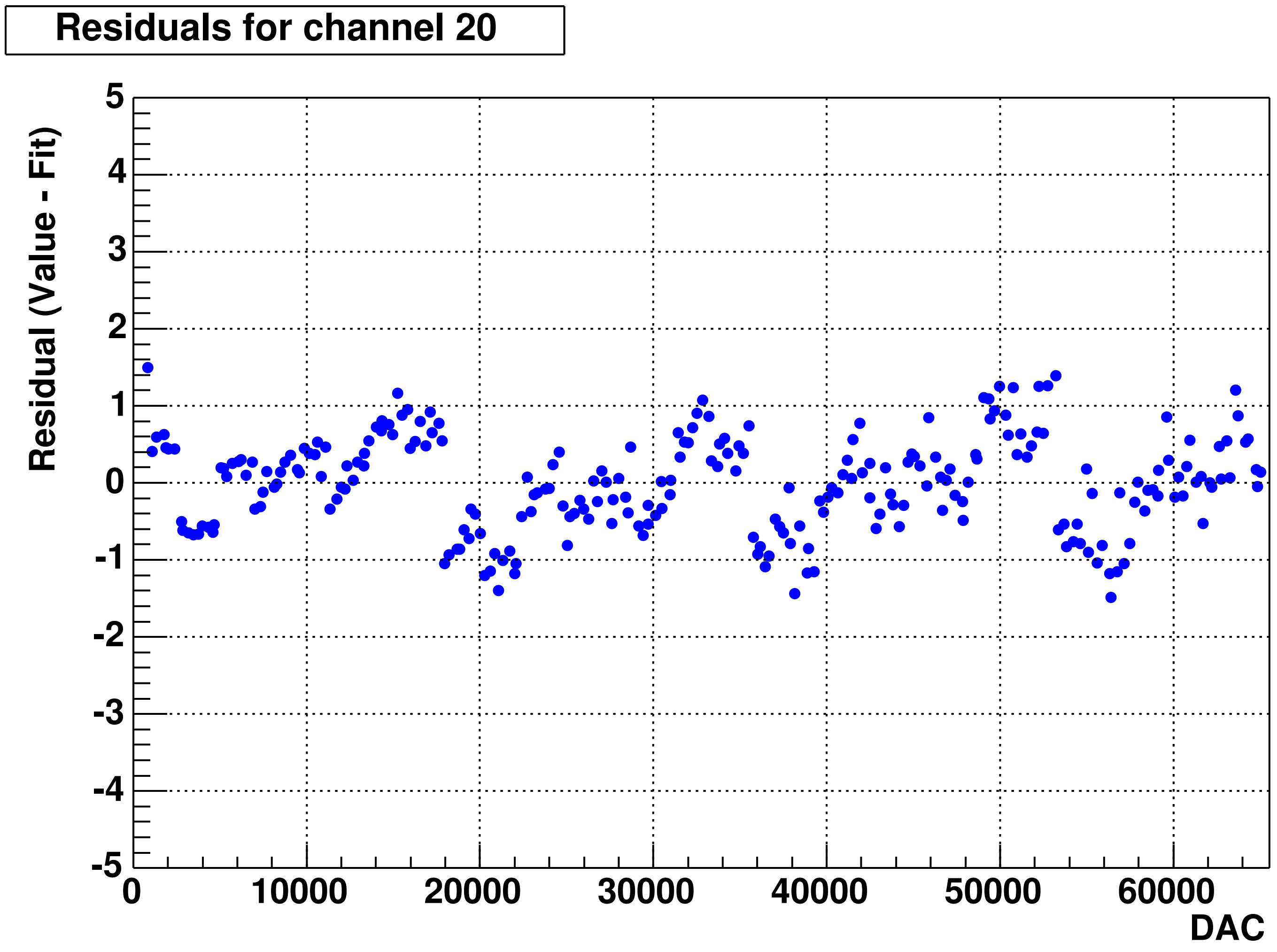

Residuals for channel 18
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 19
χ^2 / ndf 41.29 / 251
p0 -53.91 ± 0.139
p1 0.2315 ± 4.074e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

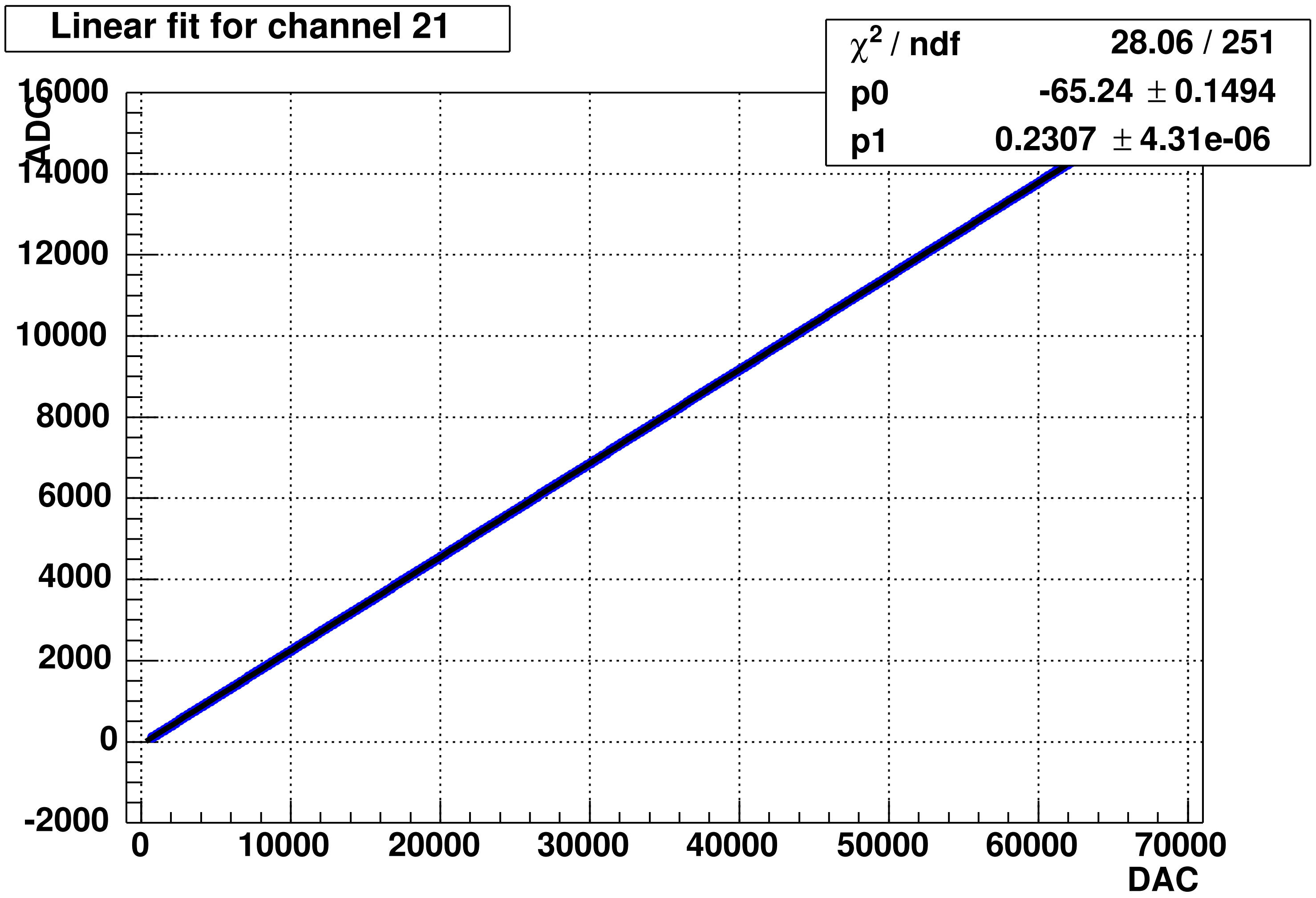


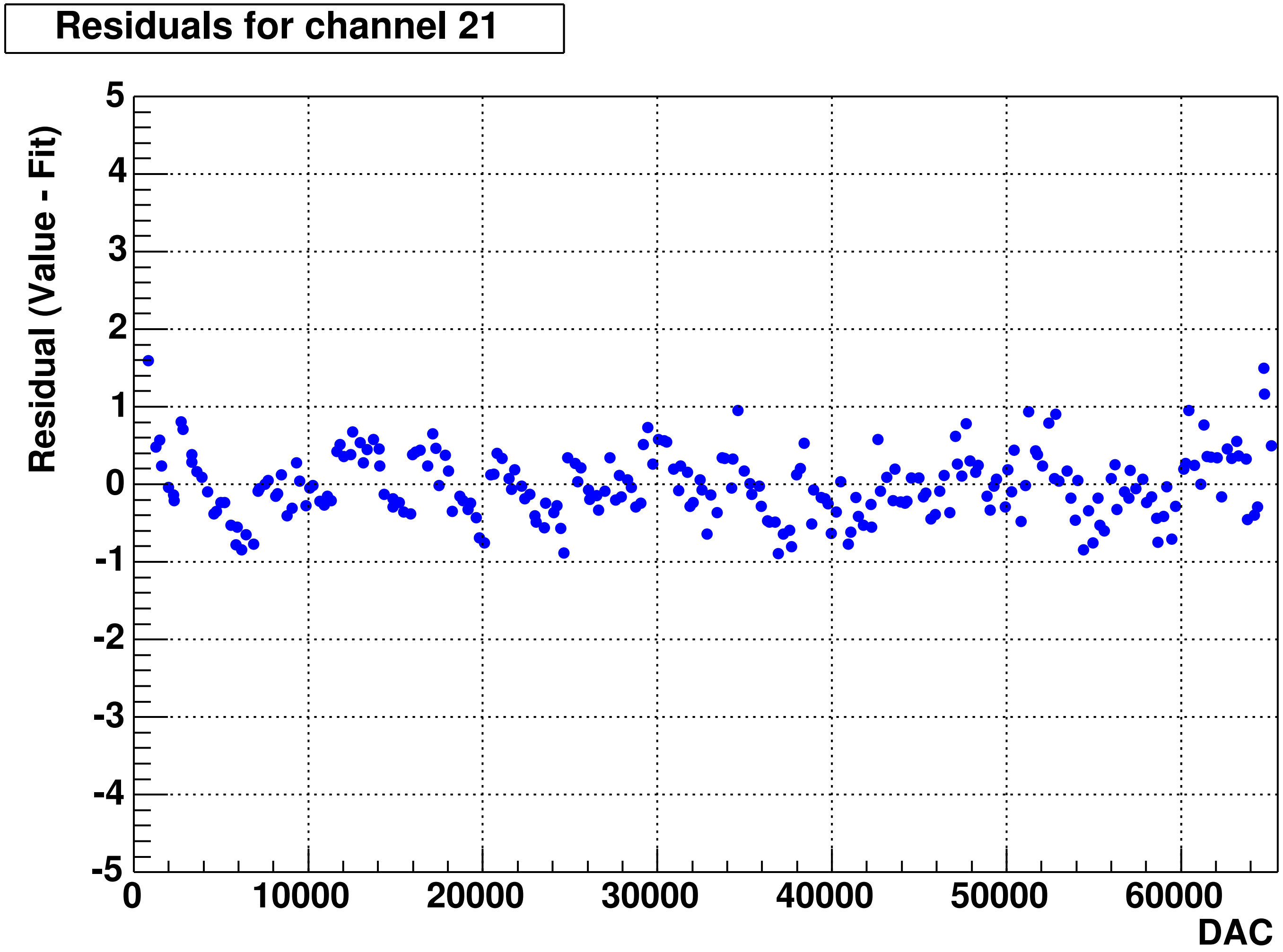
Residuals for channel 19
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

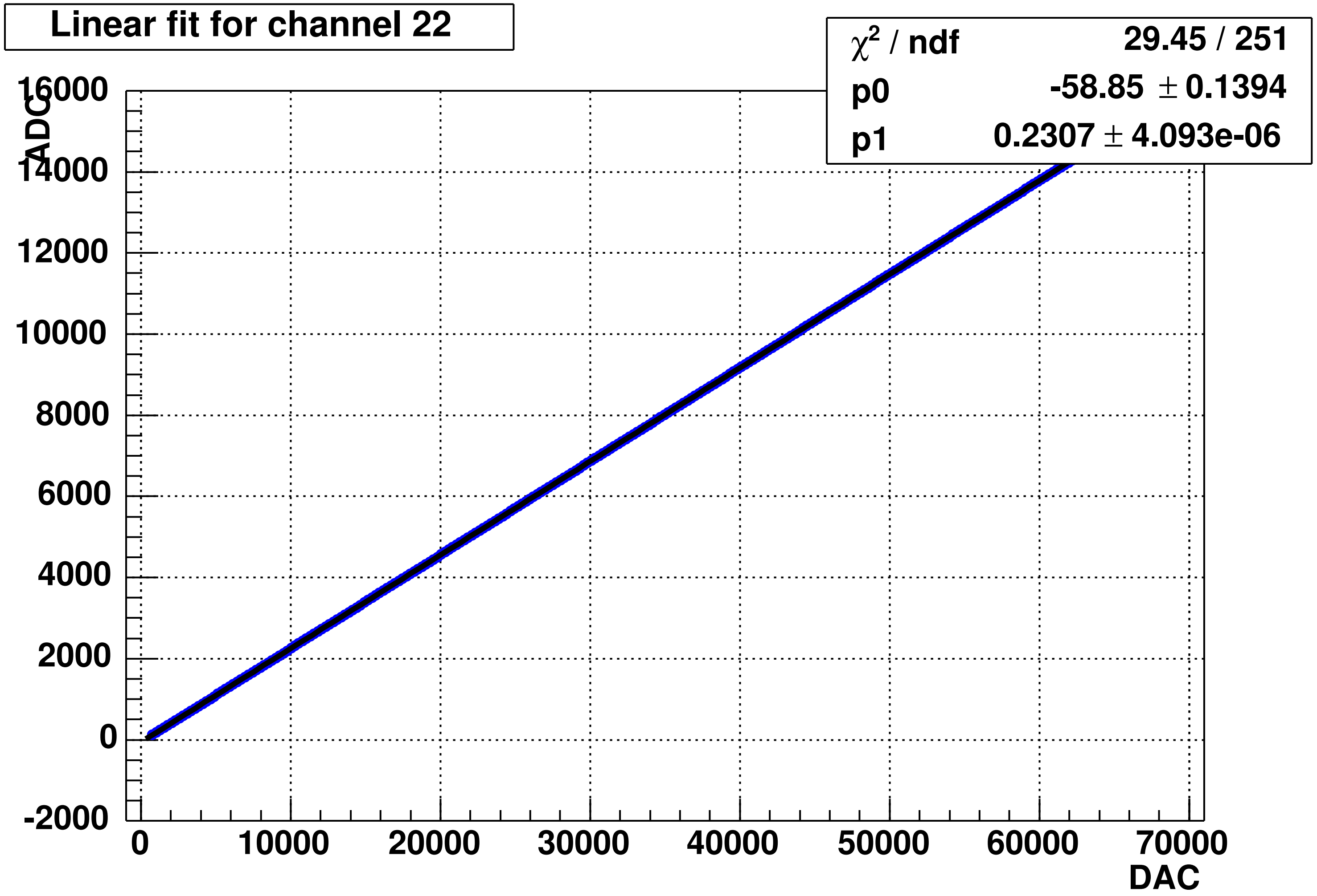

Linear fit for channel 20
χ^2 / ndf 63.45 / 251
p0 -50.32 ± 0.1366
p1 0.2314 ± 4.023e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

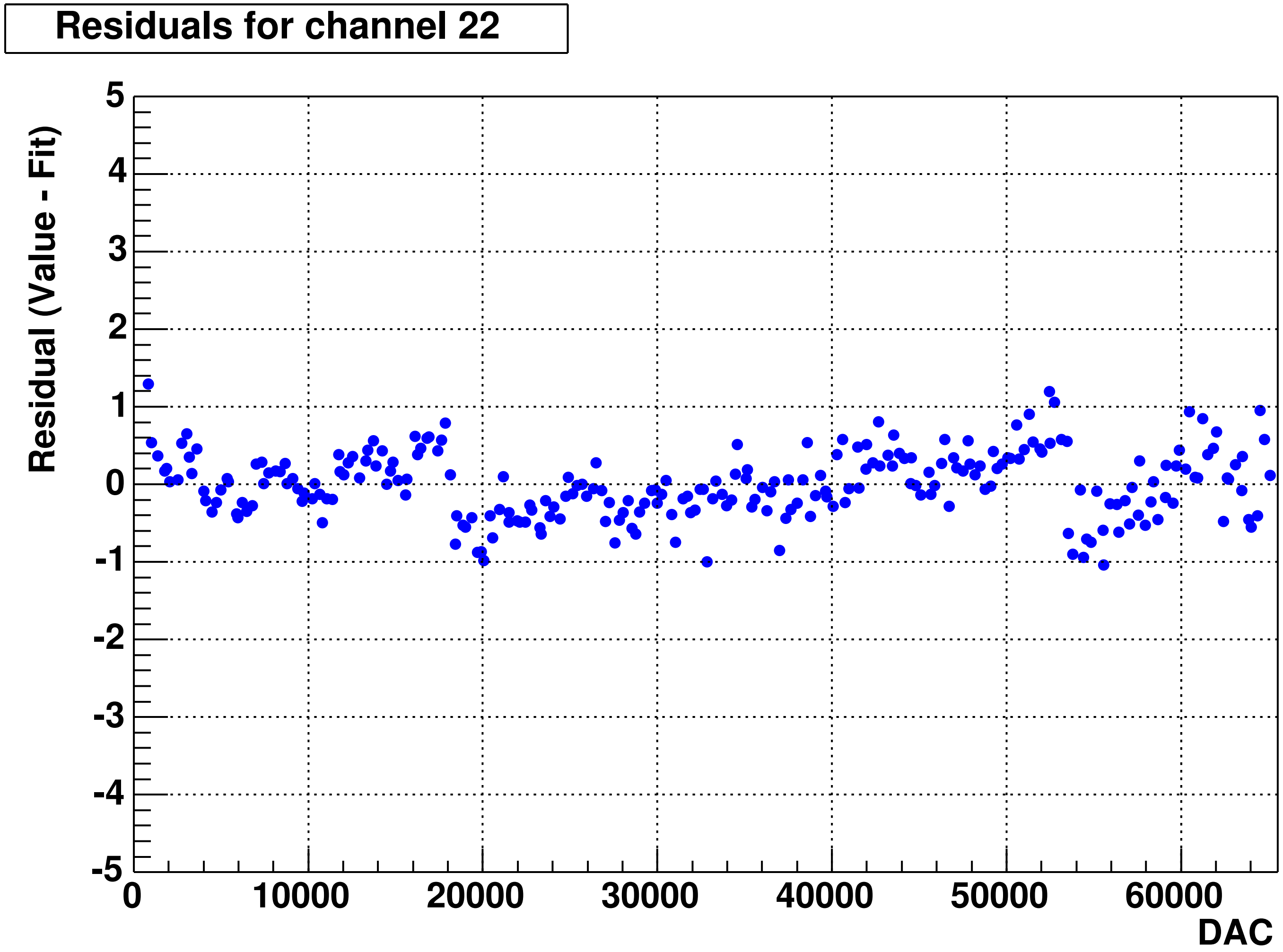


Residuals for channel 20
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

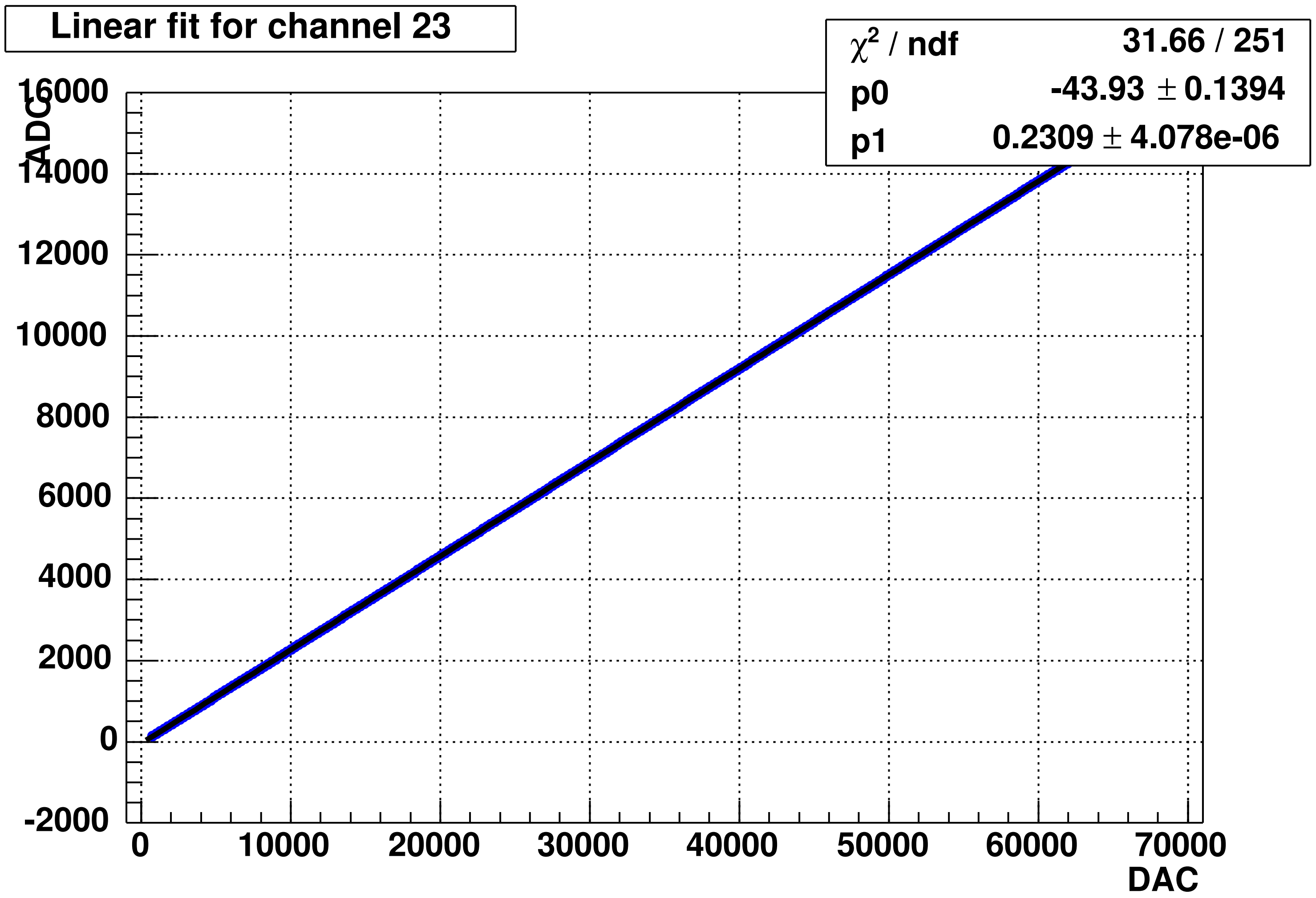

Linear fit for channel 21
χ^2 / ndf 28.06 / 251
p0 -65.24 ± 0.1494
p1 0.2307 ± 4.31e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000


Residuals for channel 21
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

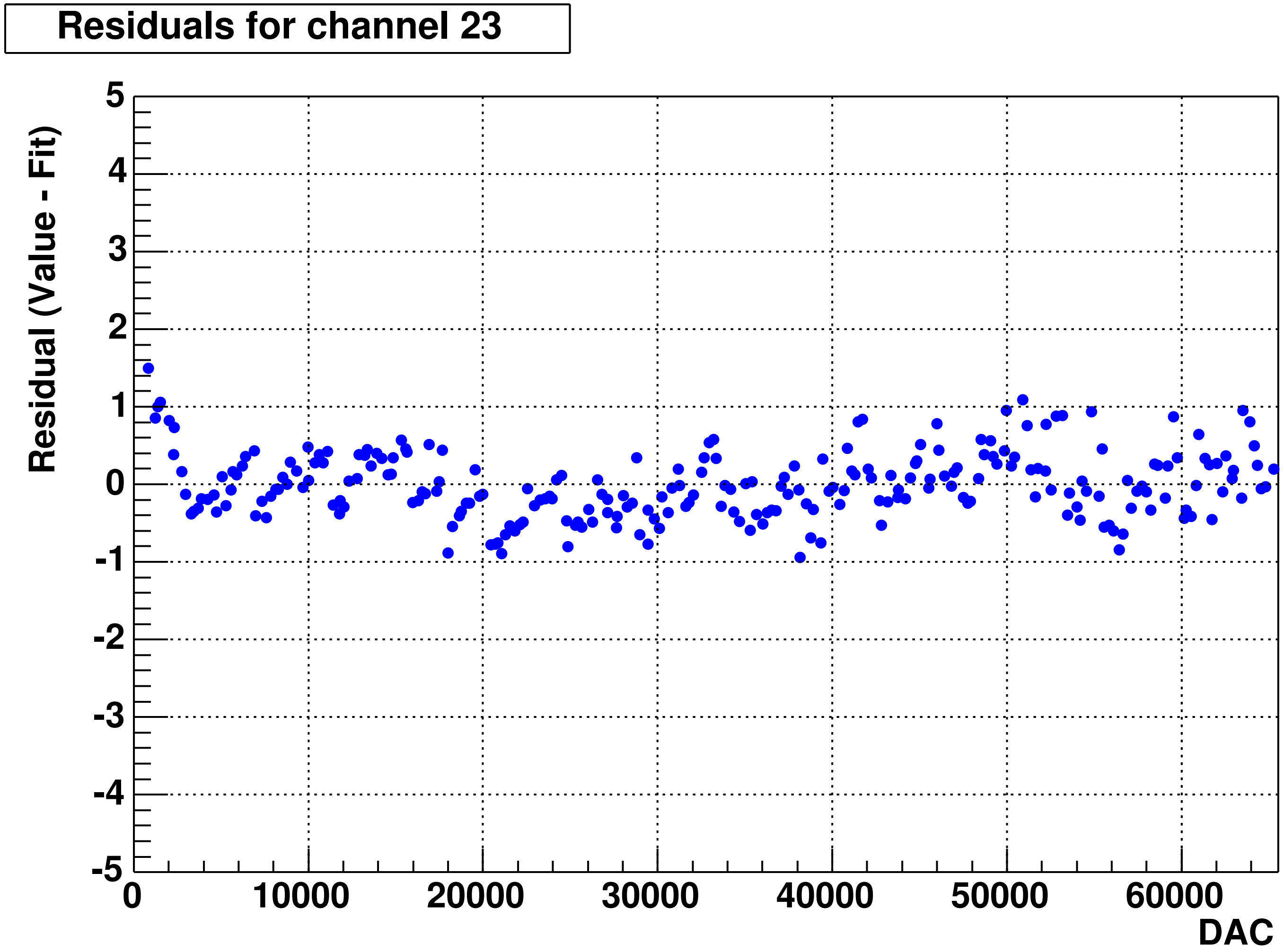

Linear fit for channel 22
χ^2 / ndf 29.45 / 251
p0 -58.85 ± 0.1394
p1 0.2307 ± 4.093e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000



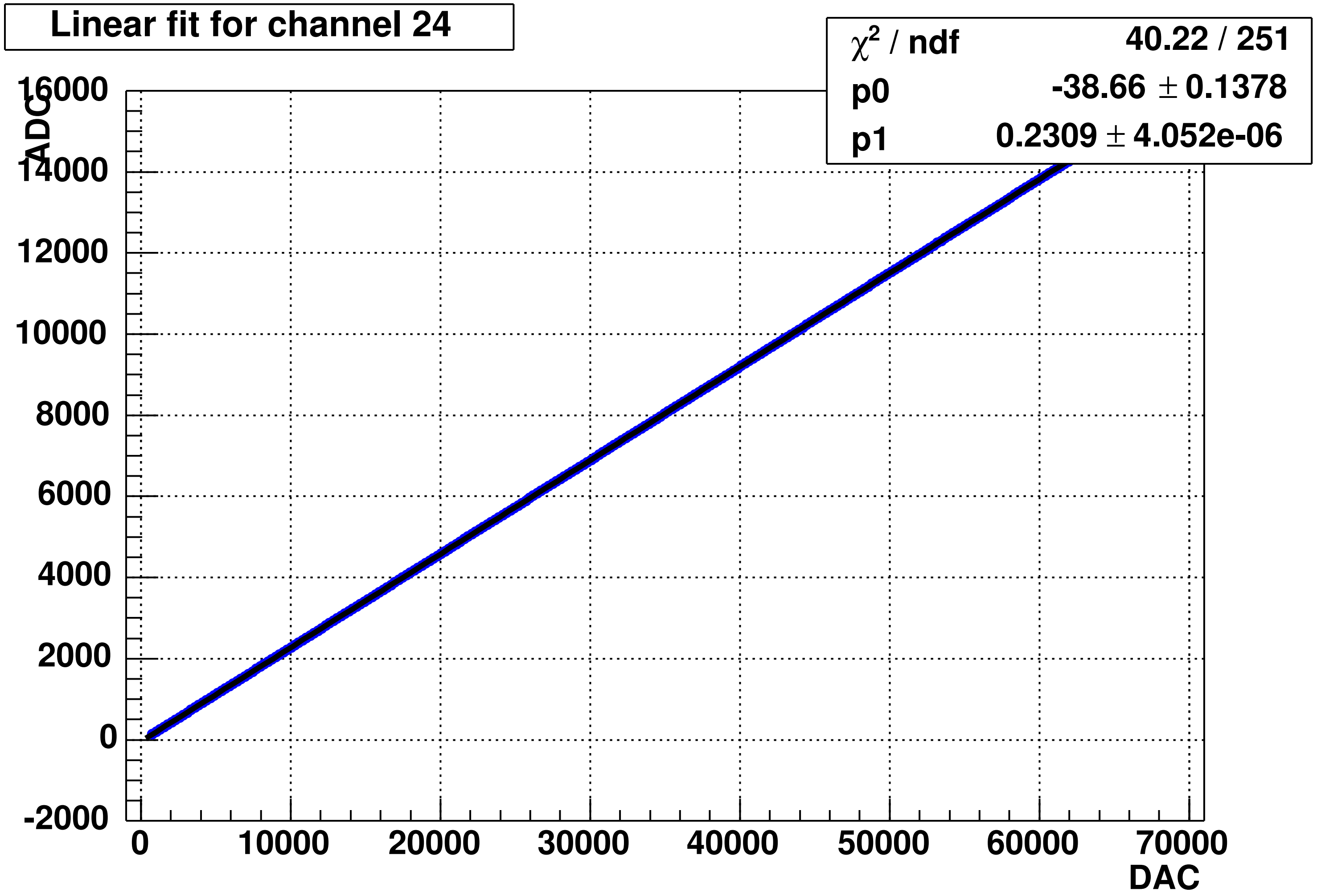
Residuals for channel 22
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



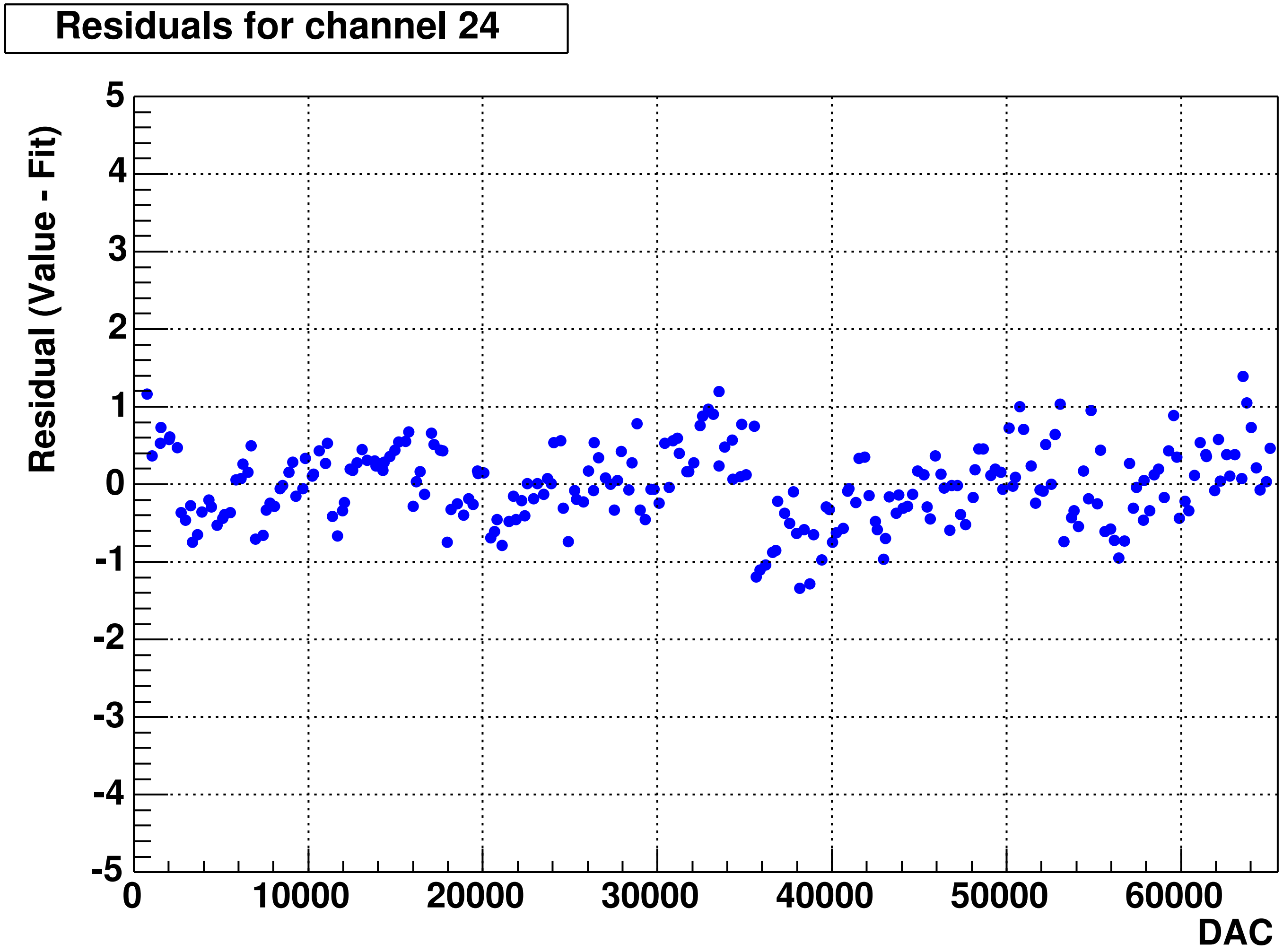
Linear fit for channel 23
χ^2 / ndf 31.66 / 251
p0 -43.93 ± 0.1394
p1 0.2309 ± 4.078e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



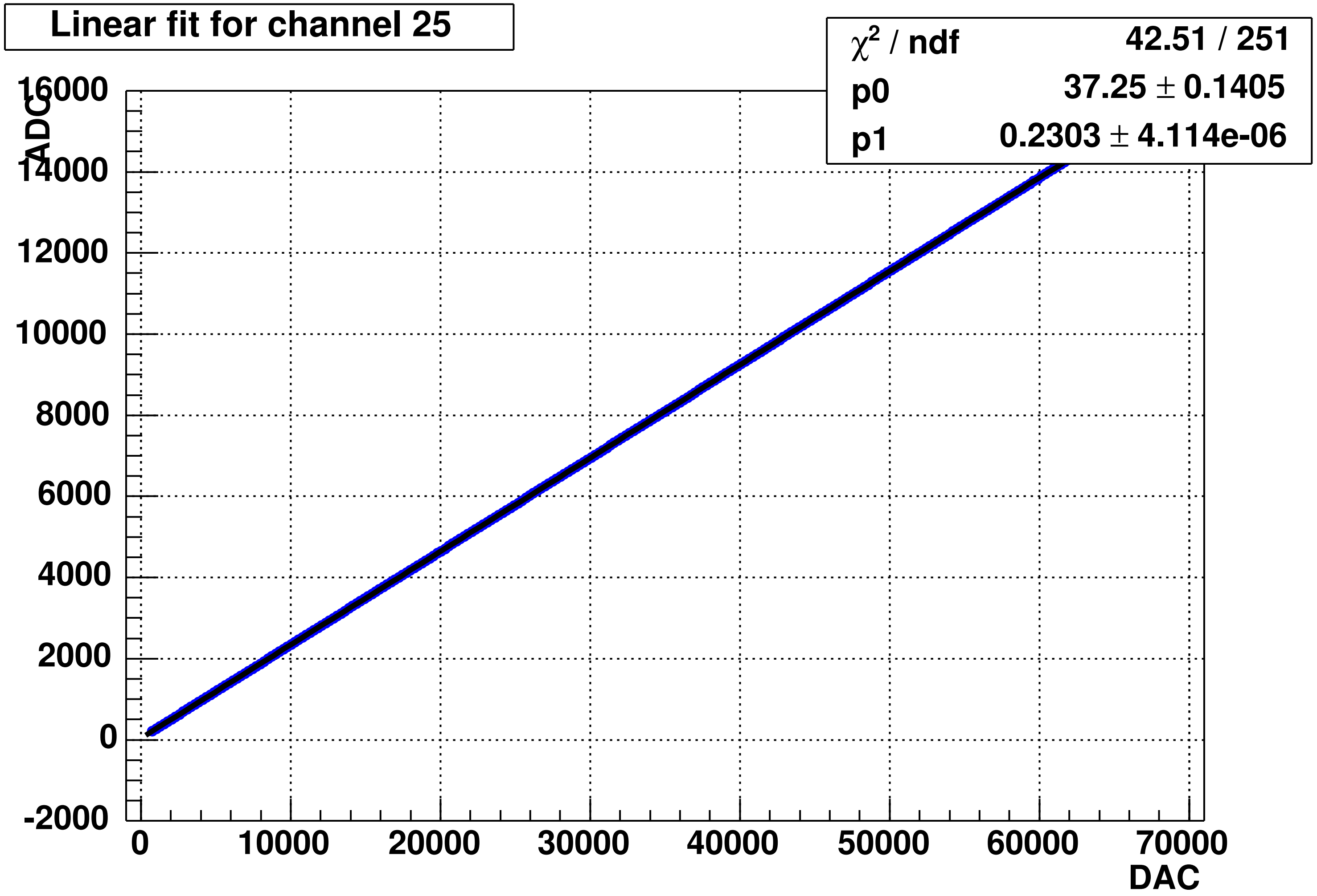
Residuals for channel 23
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



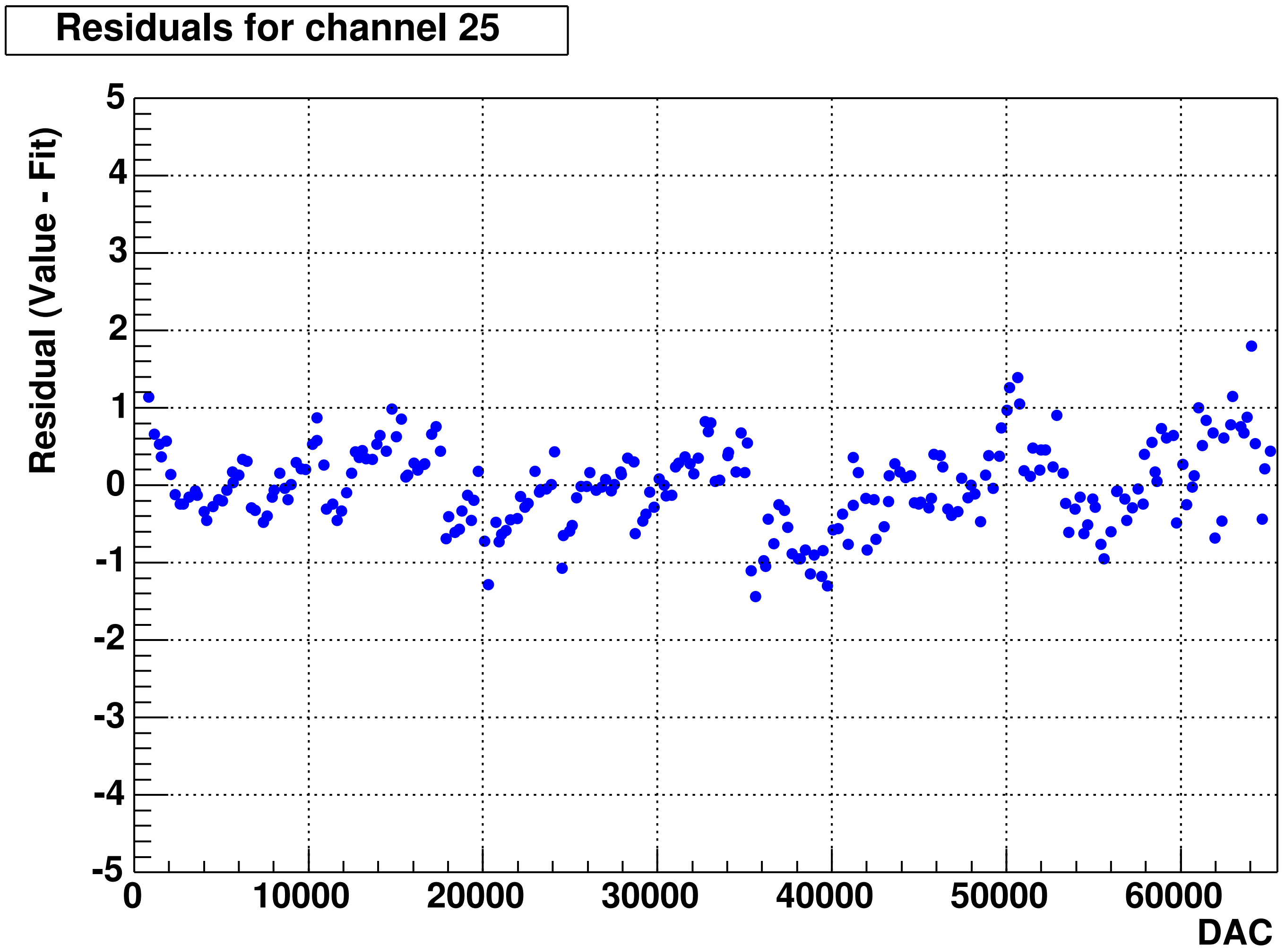
Linear fit for channel 24
χ^2 / ndf 40.22 / 251
p0 -38.66 ± 0.1378
p1 0.2309 ± 4.052e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

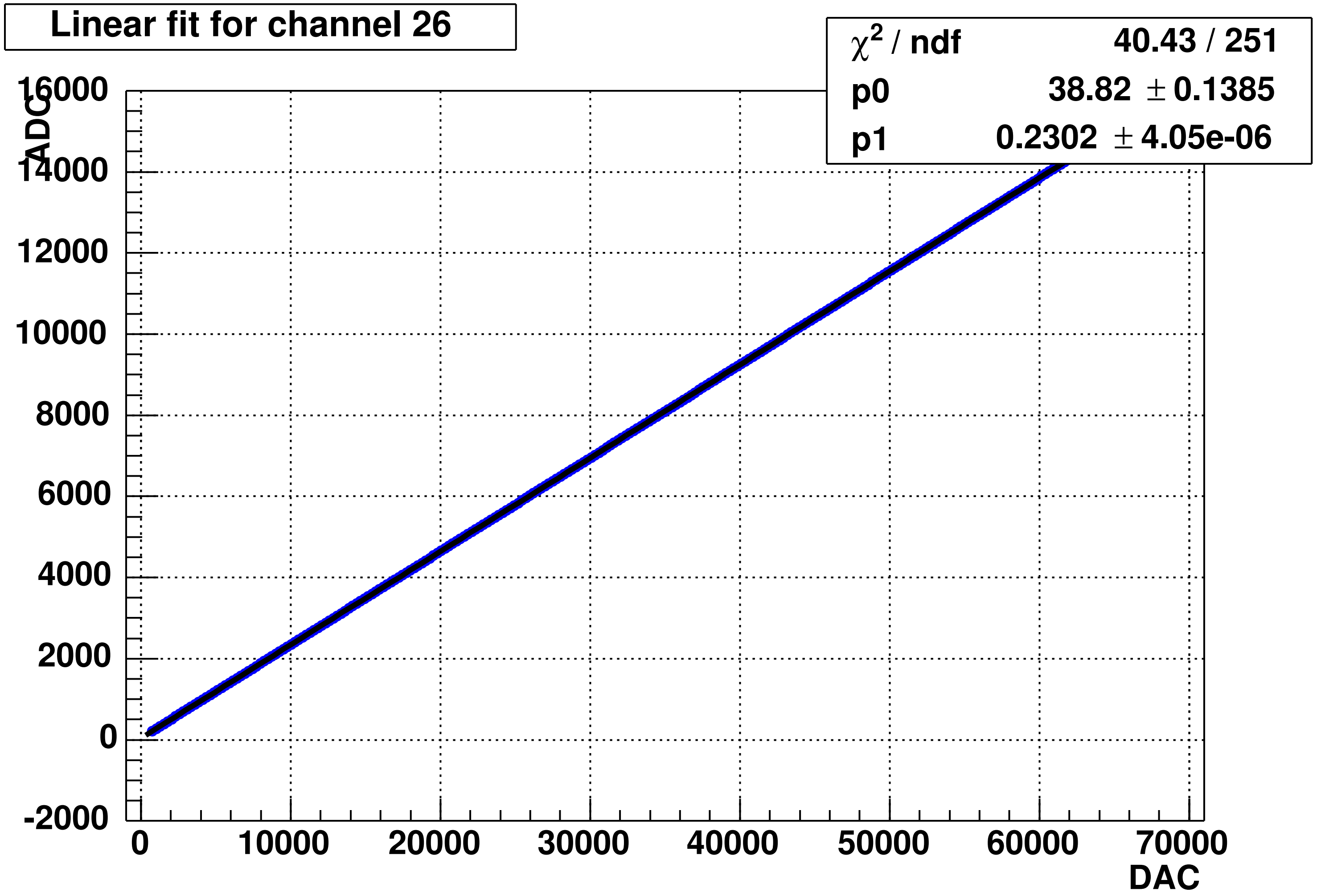


Residuals for channel 24
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

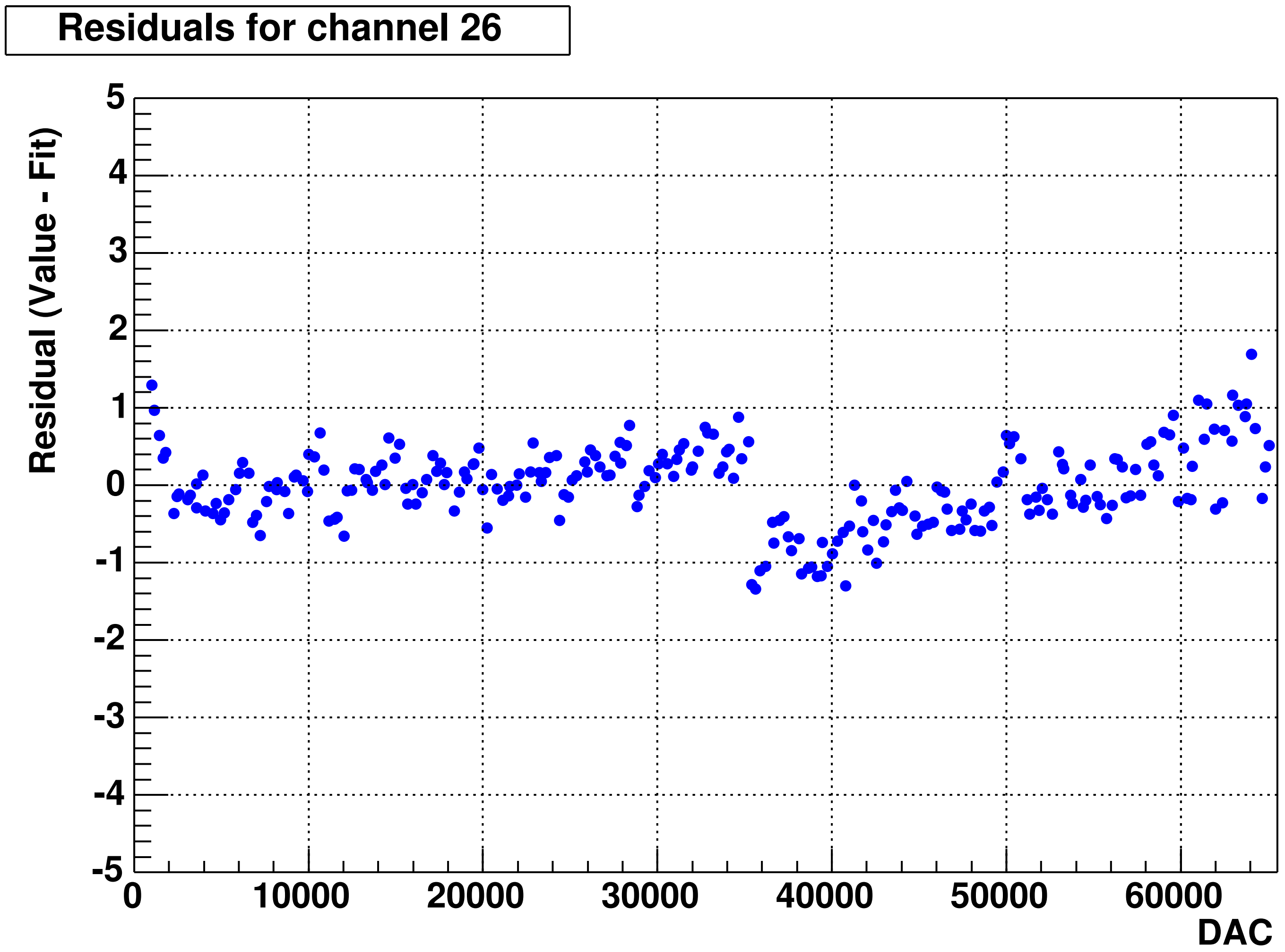


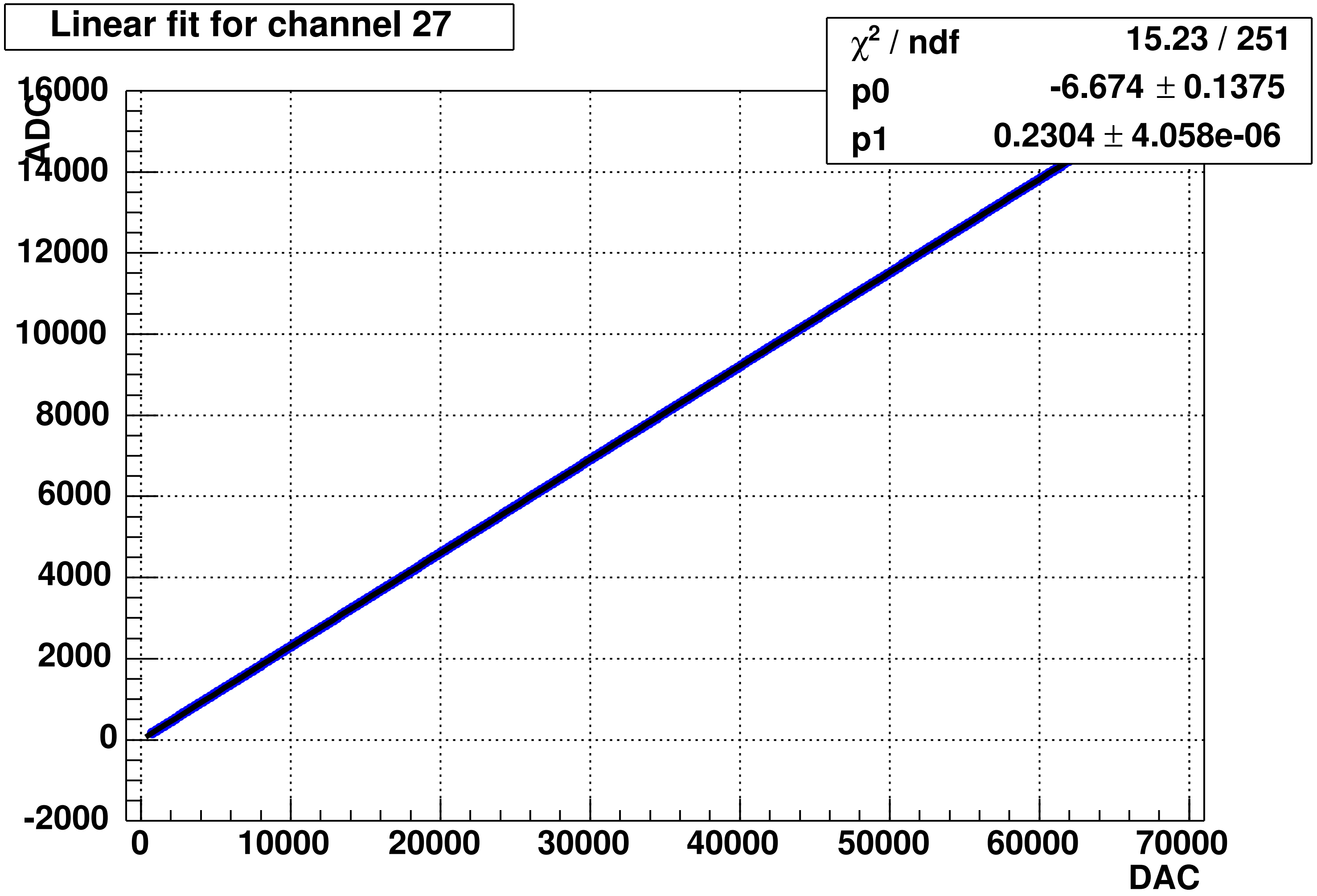
Linear fit for channel 25
χ^2 / ndf 42.51 / 251
p0 37.25 ± 0.1405
p1 0.2303 ± 4.114e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

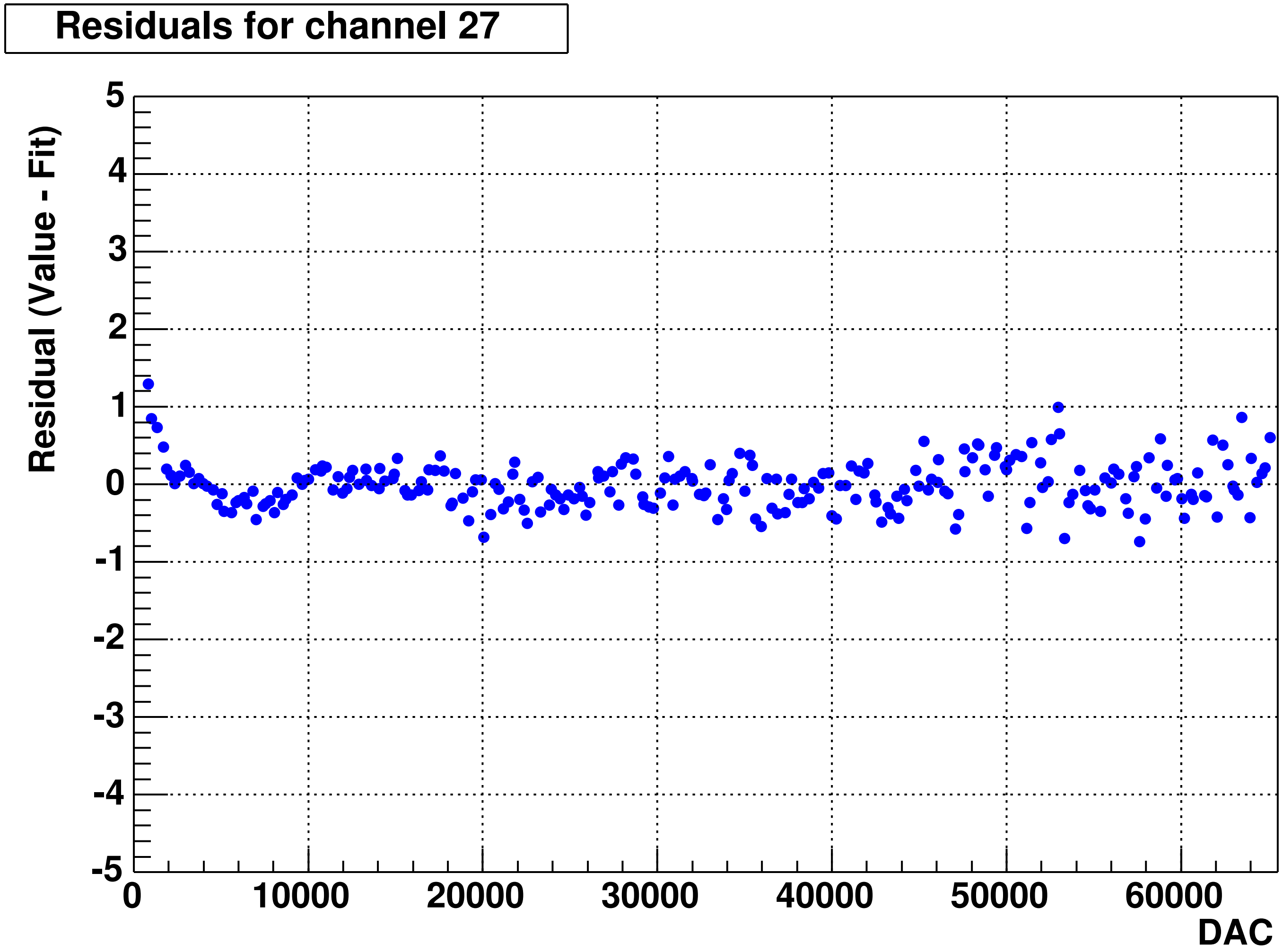

Residuals for channel 25
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

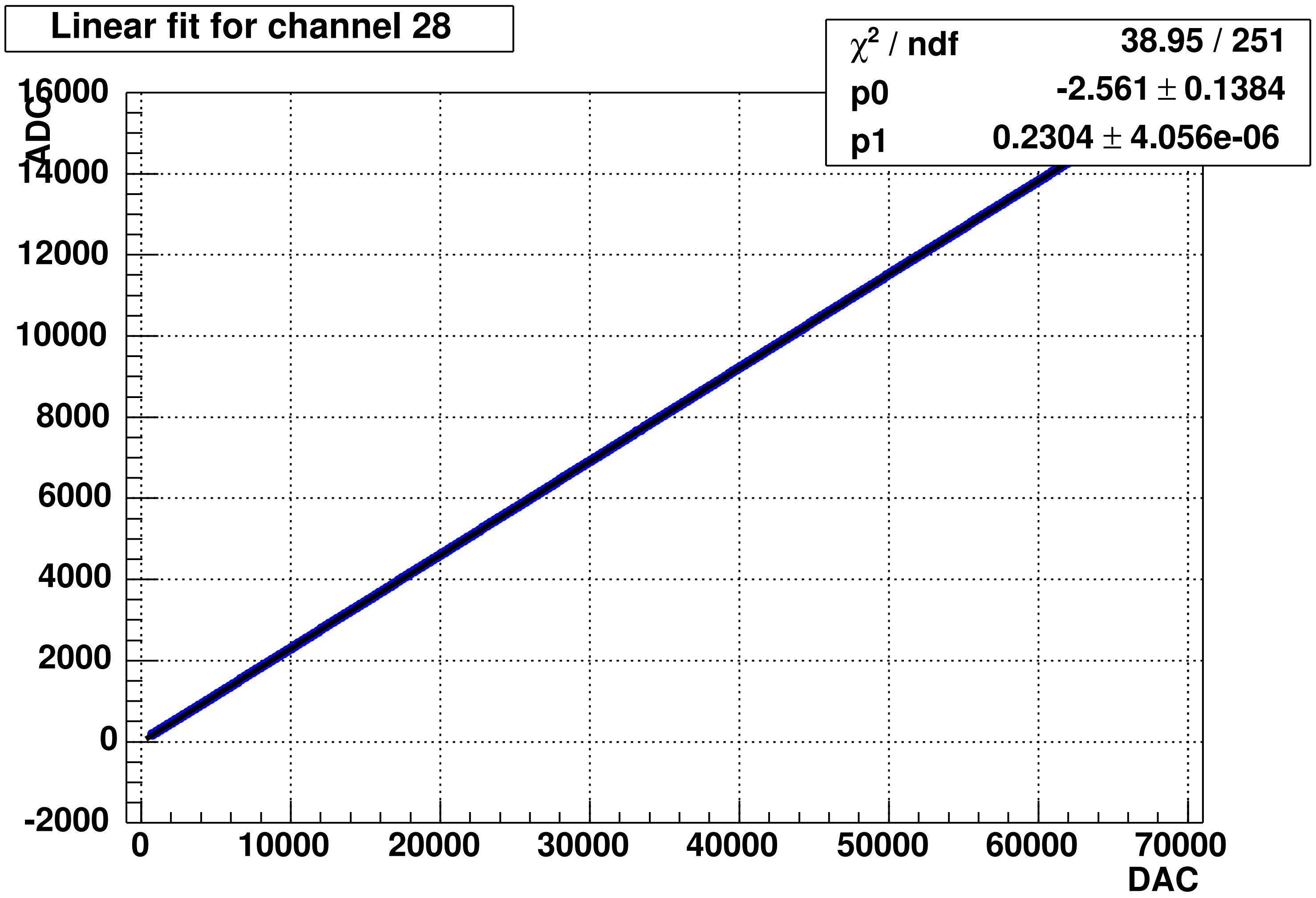


Linear fit for channel 26
χ^2 / ndf 40.43 / 251
p0 38.82 ± 0.1385
p1 0.2302 ± 4.05e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

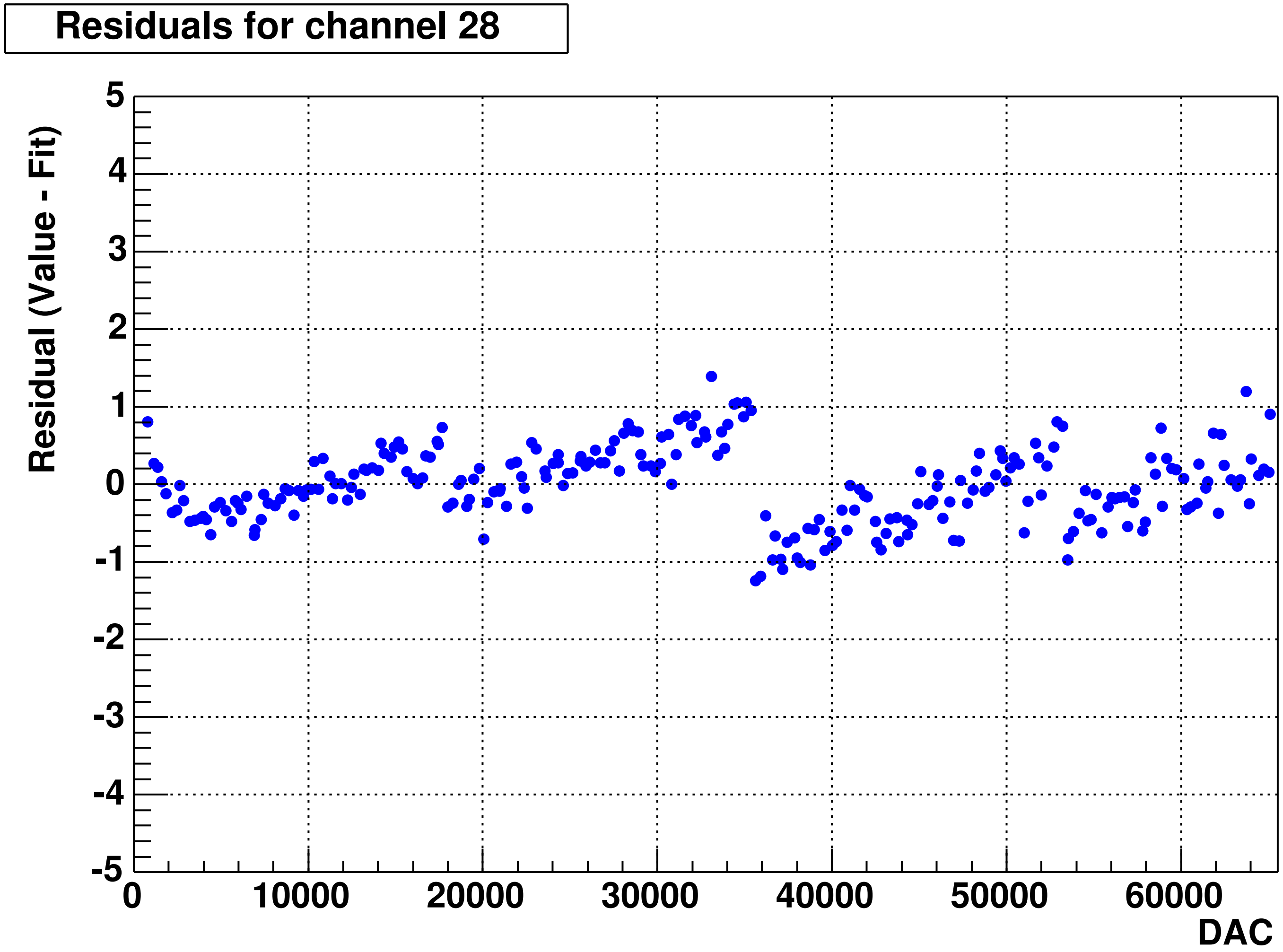

Residuals for channel 26
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

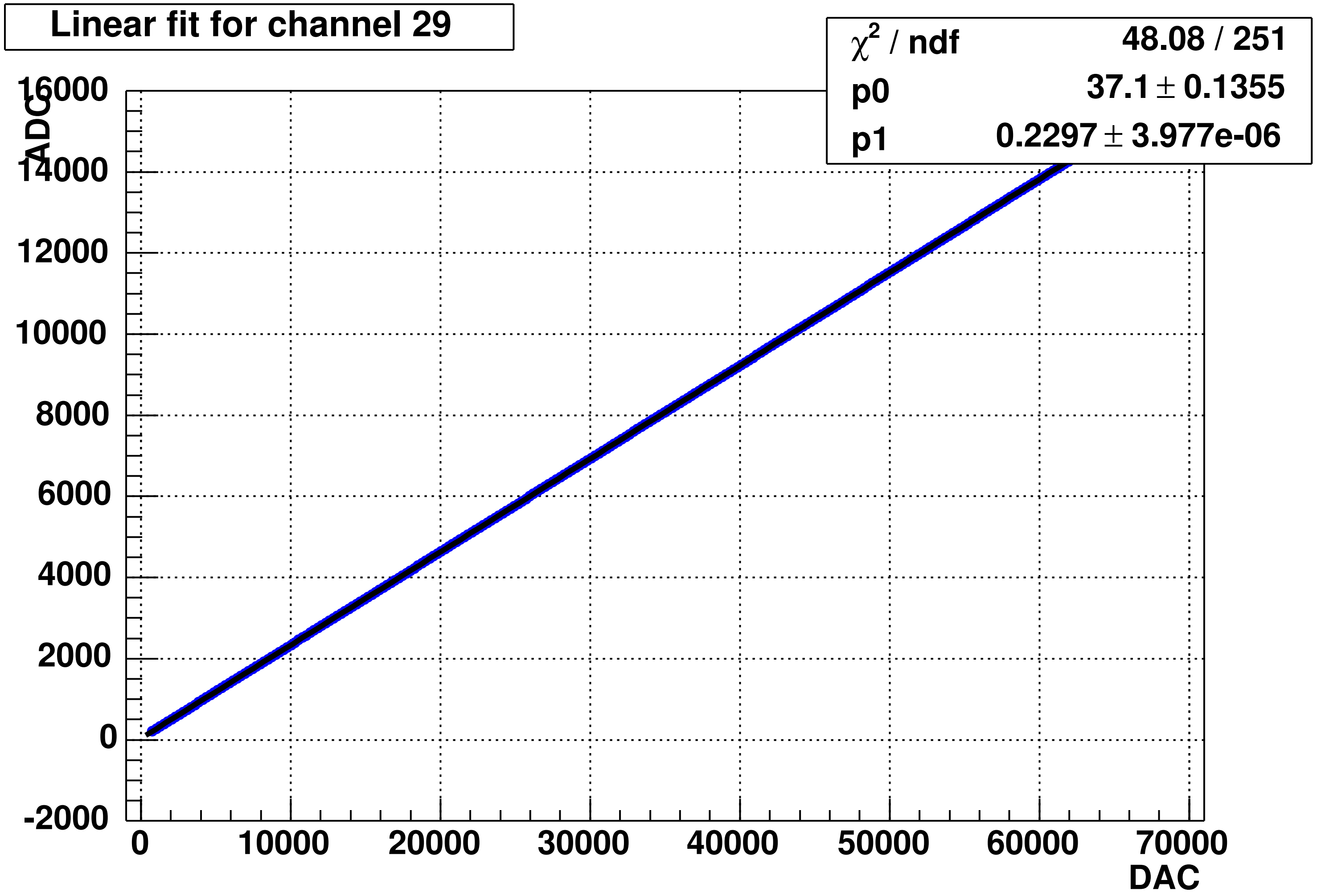

Linear fit for channel 27
χ² / ndf 15.23 / 251
p0 -6.674 ± 0.1375
p1 0.2304 ± 4.058e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 27
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

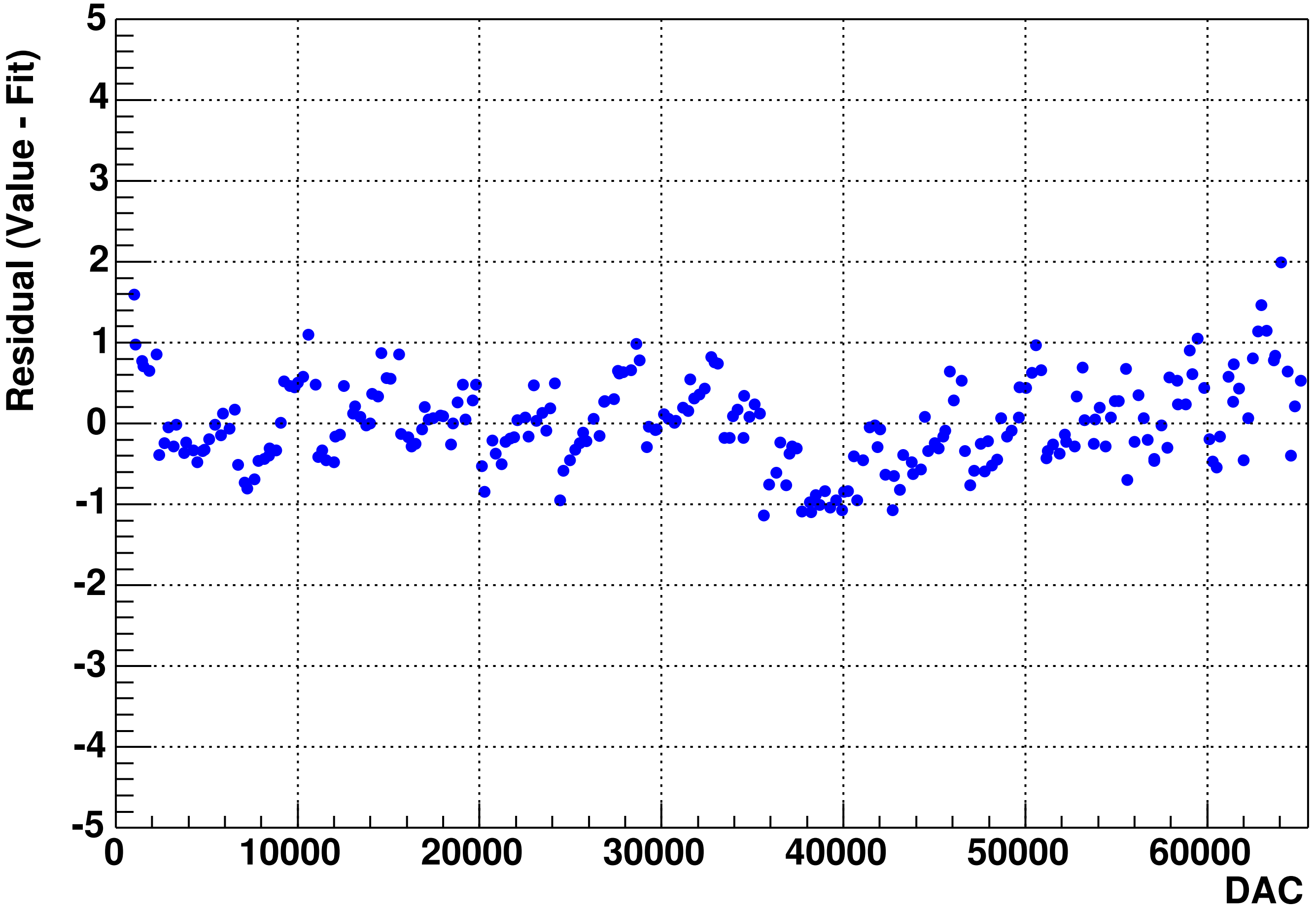


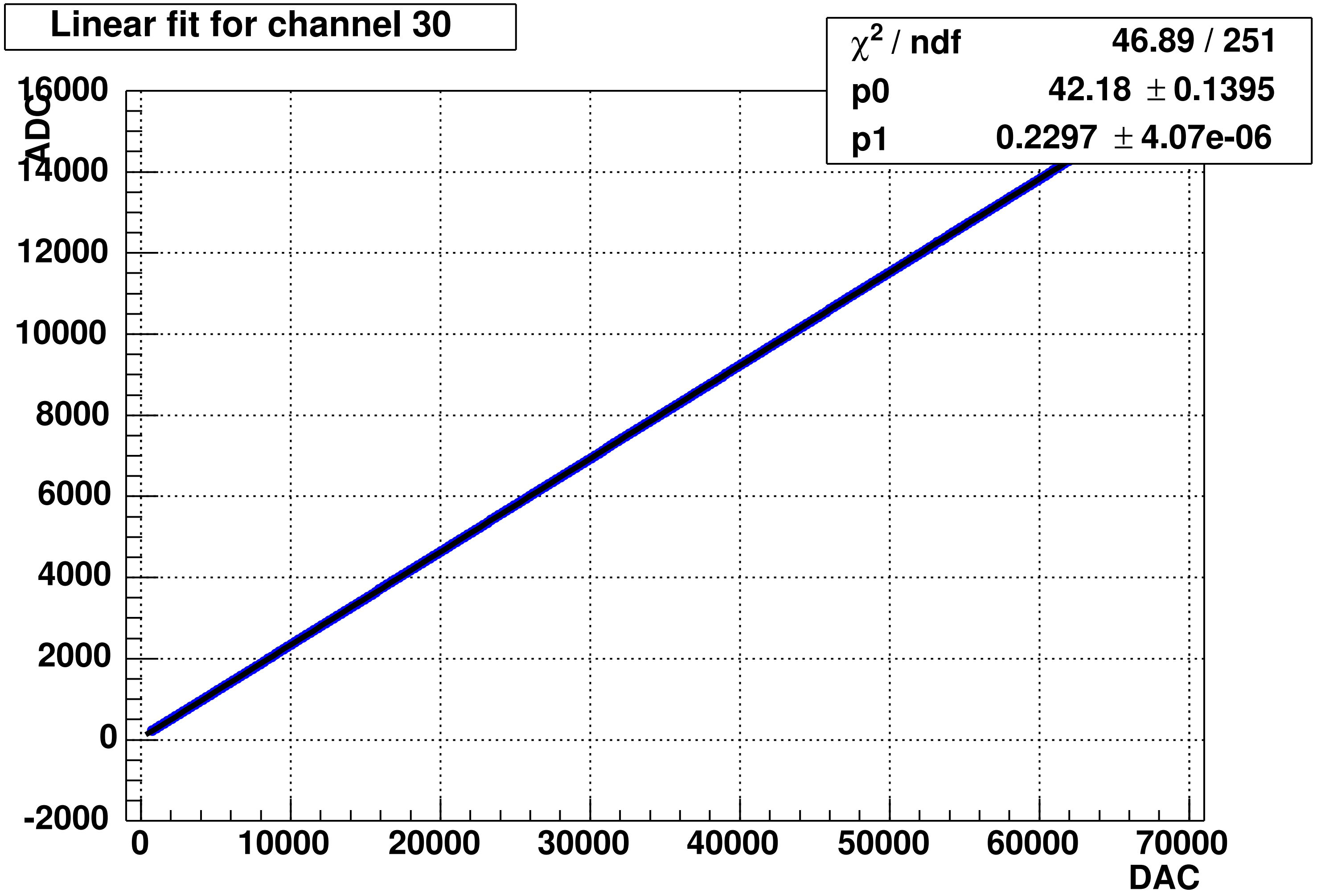
Linear fit for channel 28
χ^2 / ndf 38.95 / 251
p0 -2.561 ± 0.1384
p1 0.2304 ± 4.056e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000


Residuals for channel 28
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

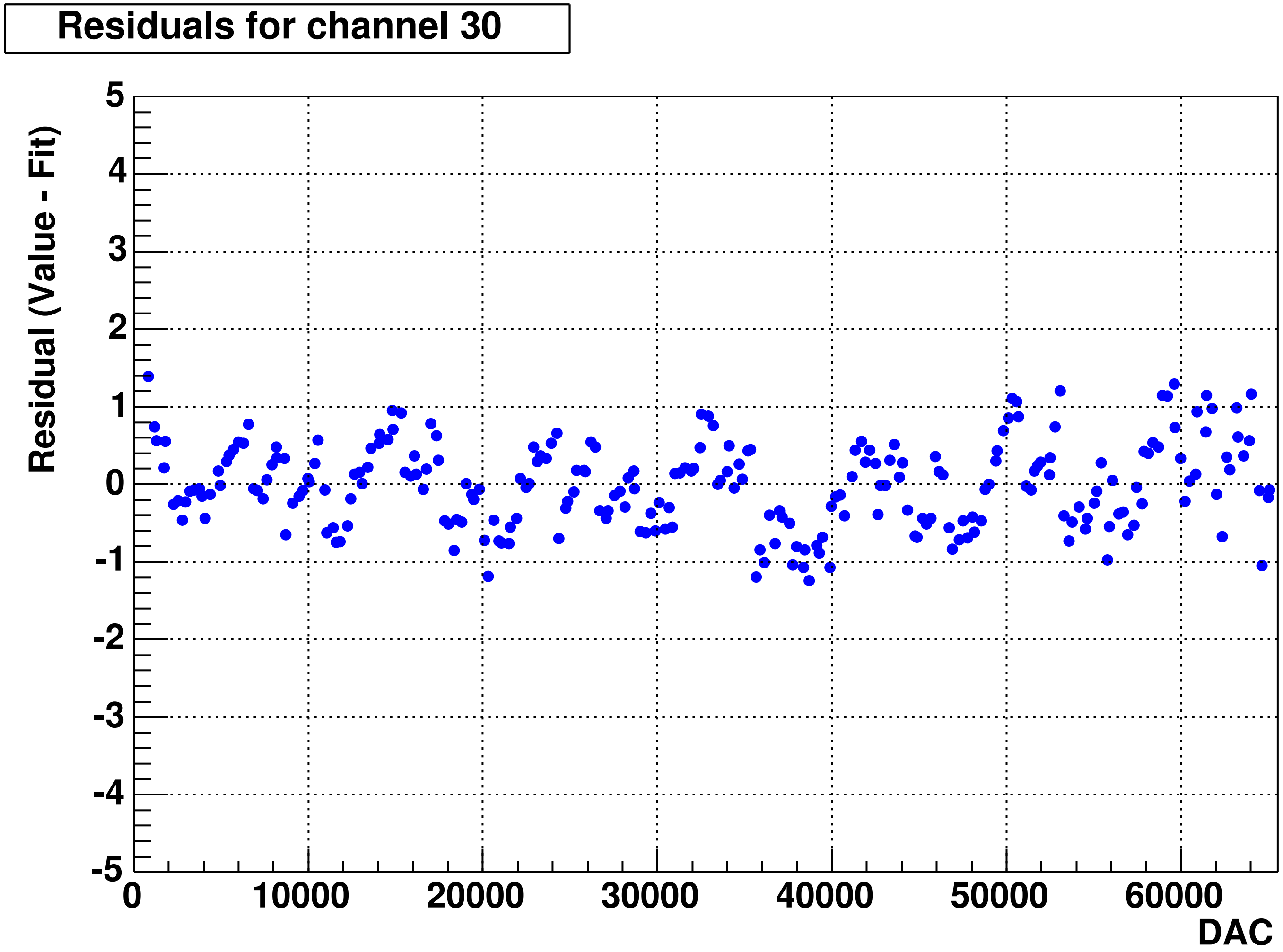

Linear fit for channel 29
χ² / ndf 48.08 / 251
p0 37.1 ± 0.1355
p1 0.2297 ± 3.977e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

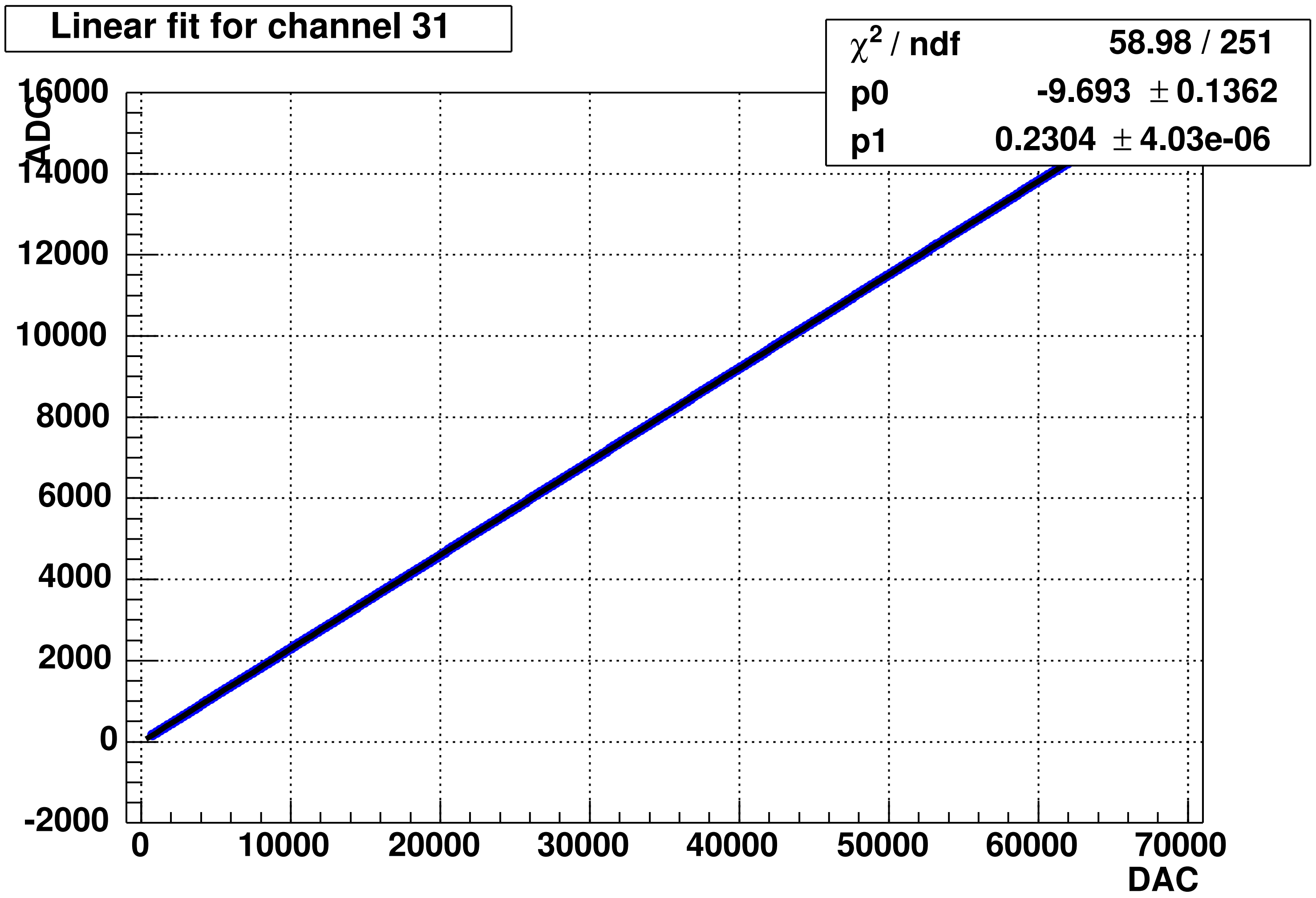
Residuals for channel 29



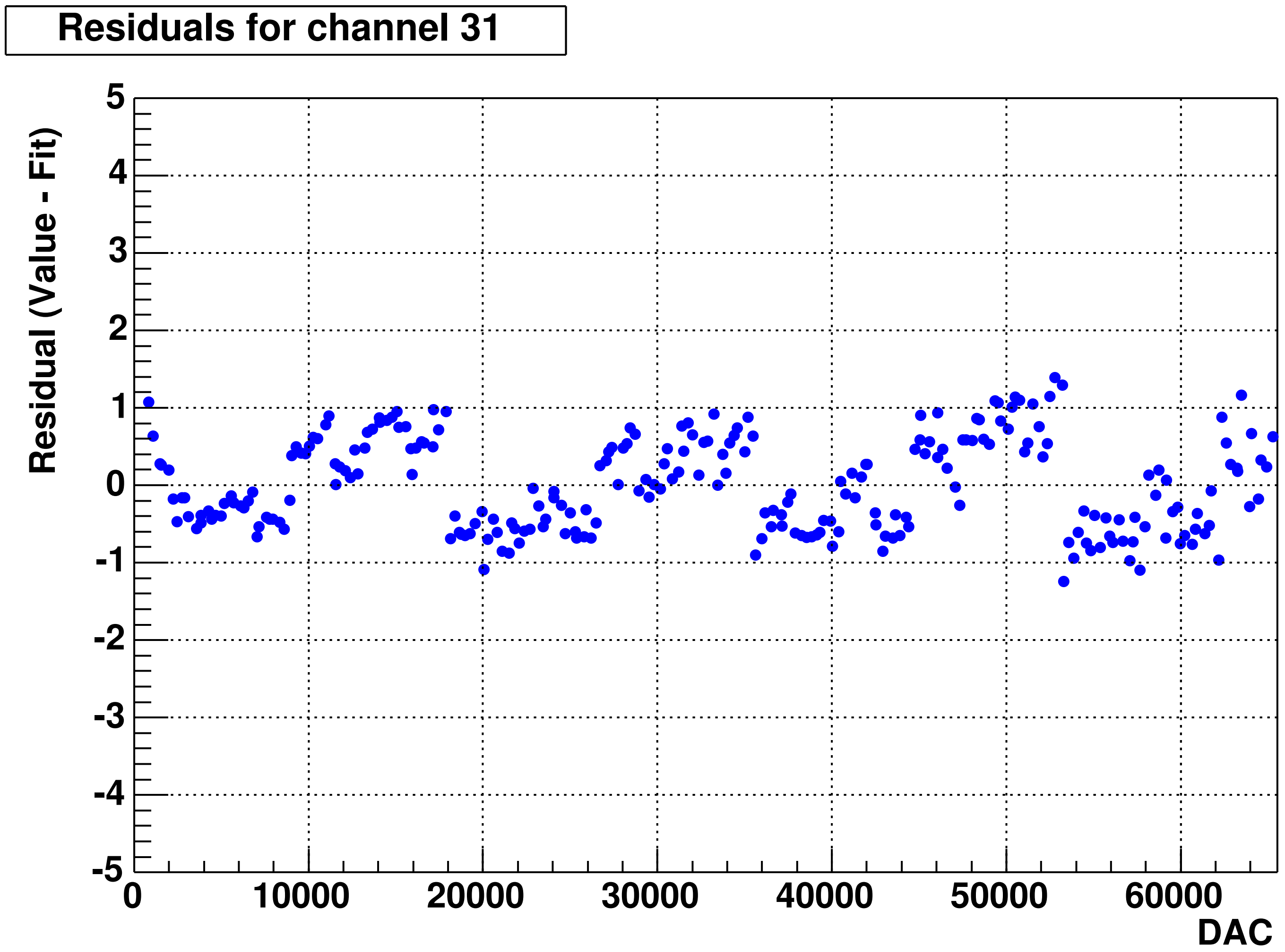


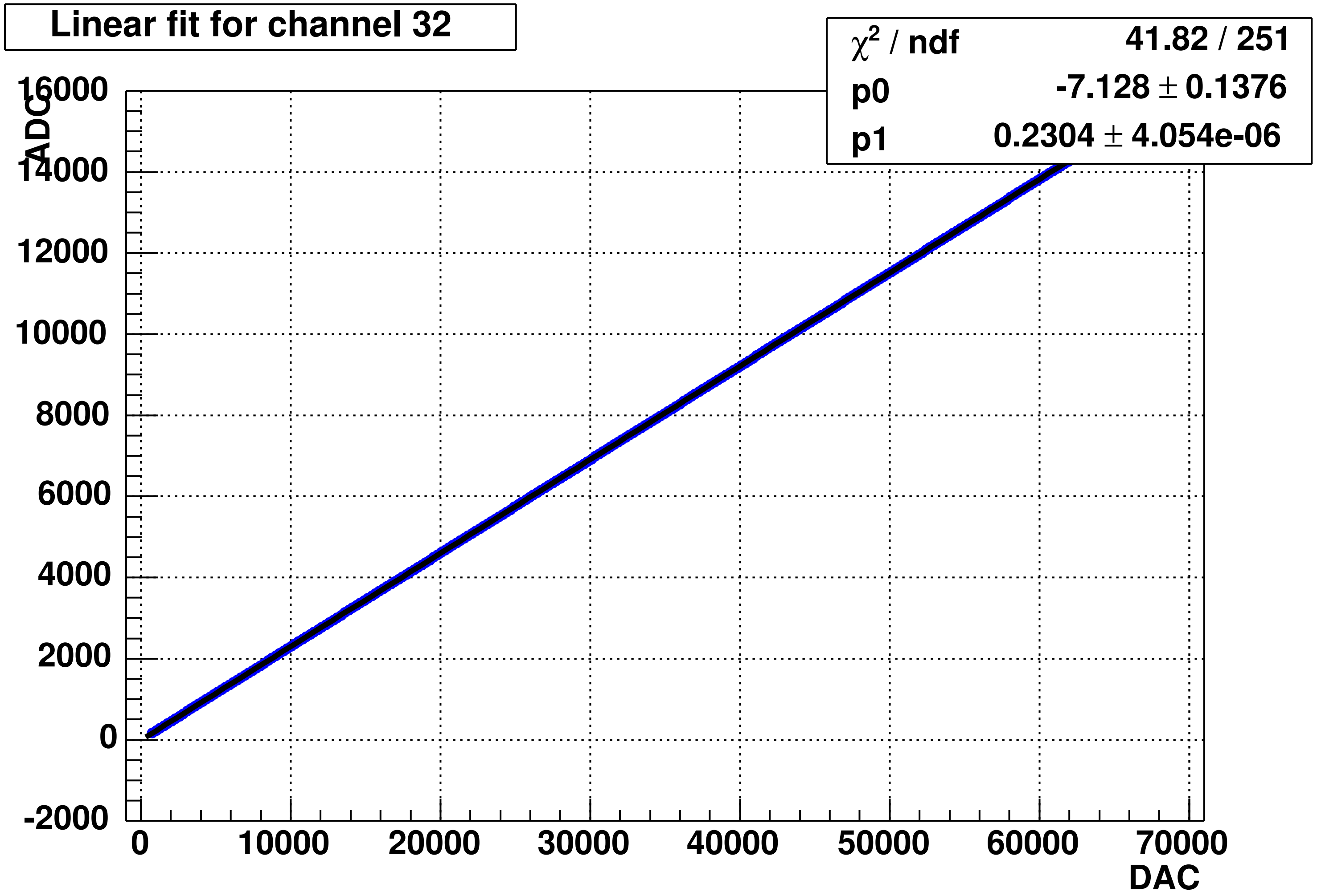
Linear fit for channel 30
χ^2 / ndf 46.89 / 251
p0 42.18 ± 0.1395
p1 0.2297 ± 4.07e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 30
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

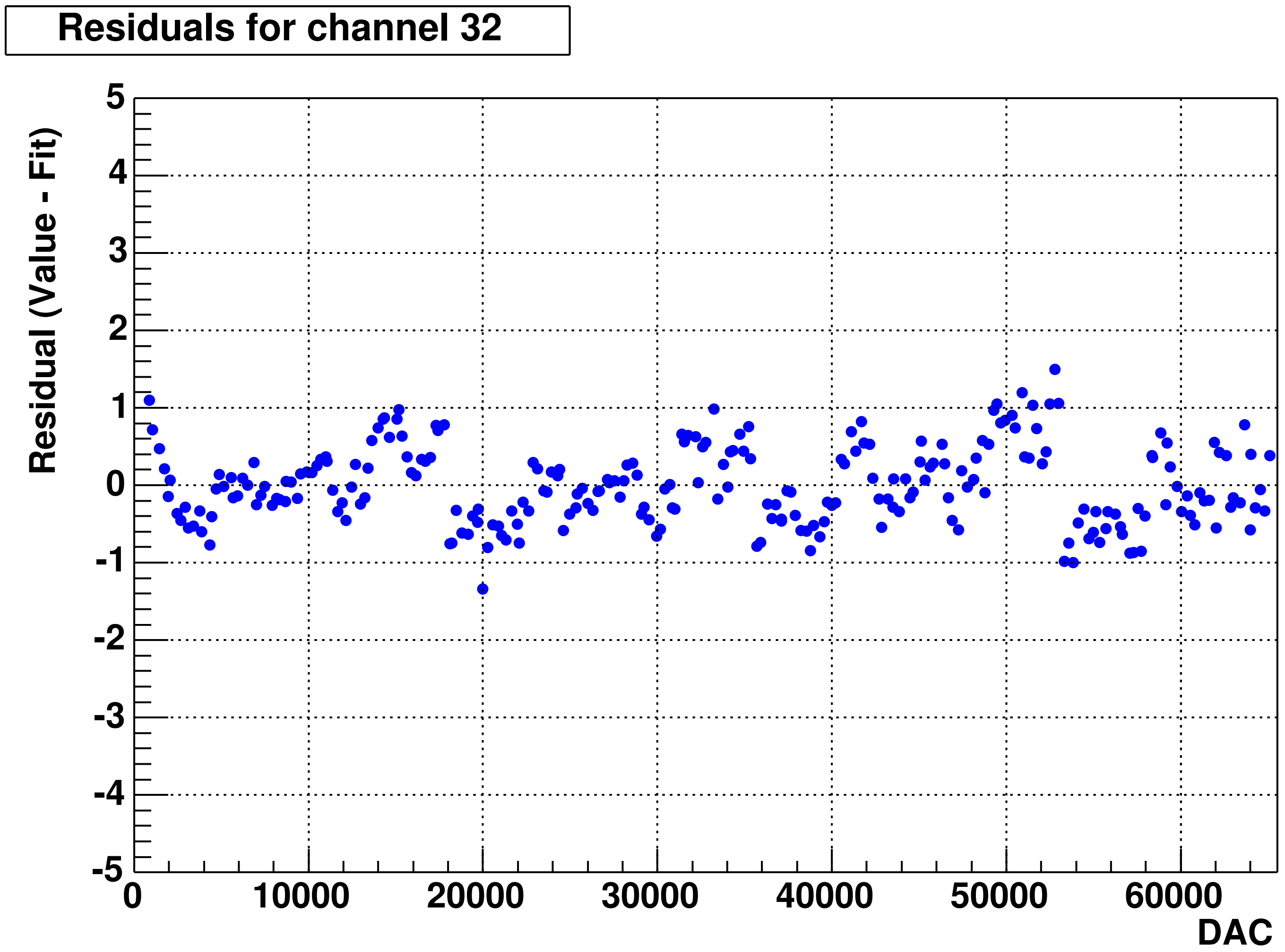


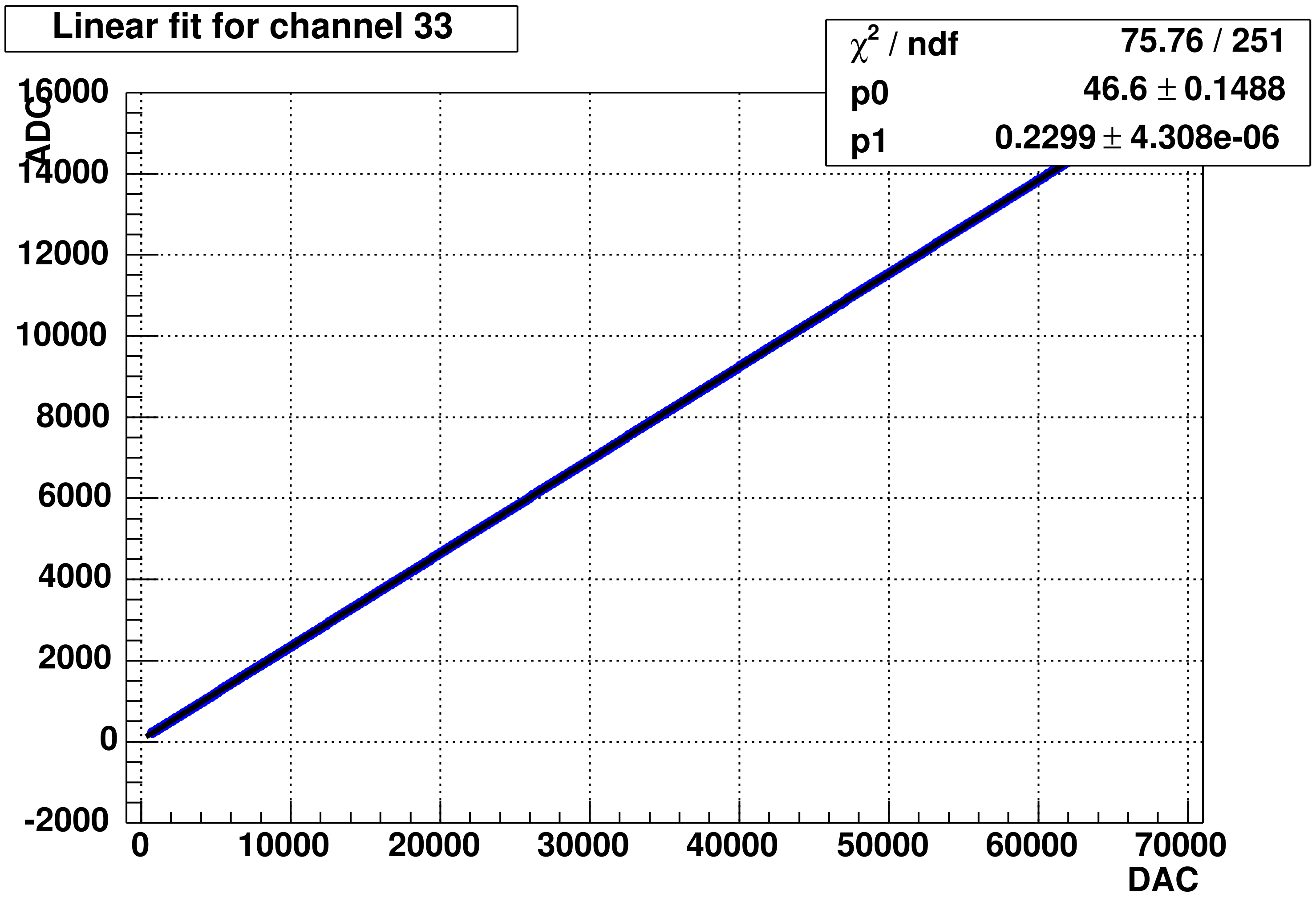
Linear fit for channel 31
χ^2 / ndf 58.98 / 251
p0 -9.693 ± 0.1362
p1 0.2304 ± 4.03e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 31
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

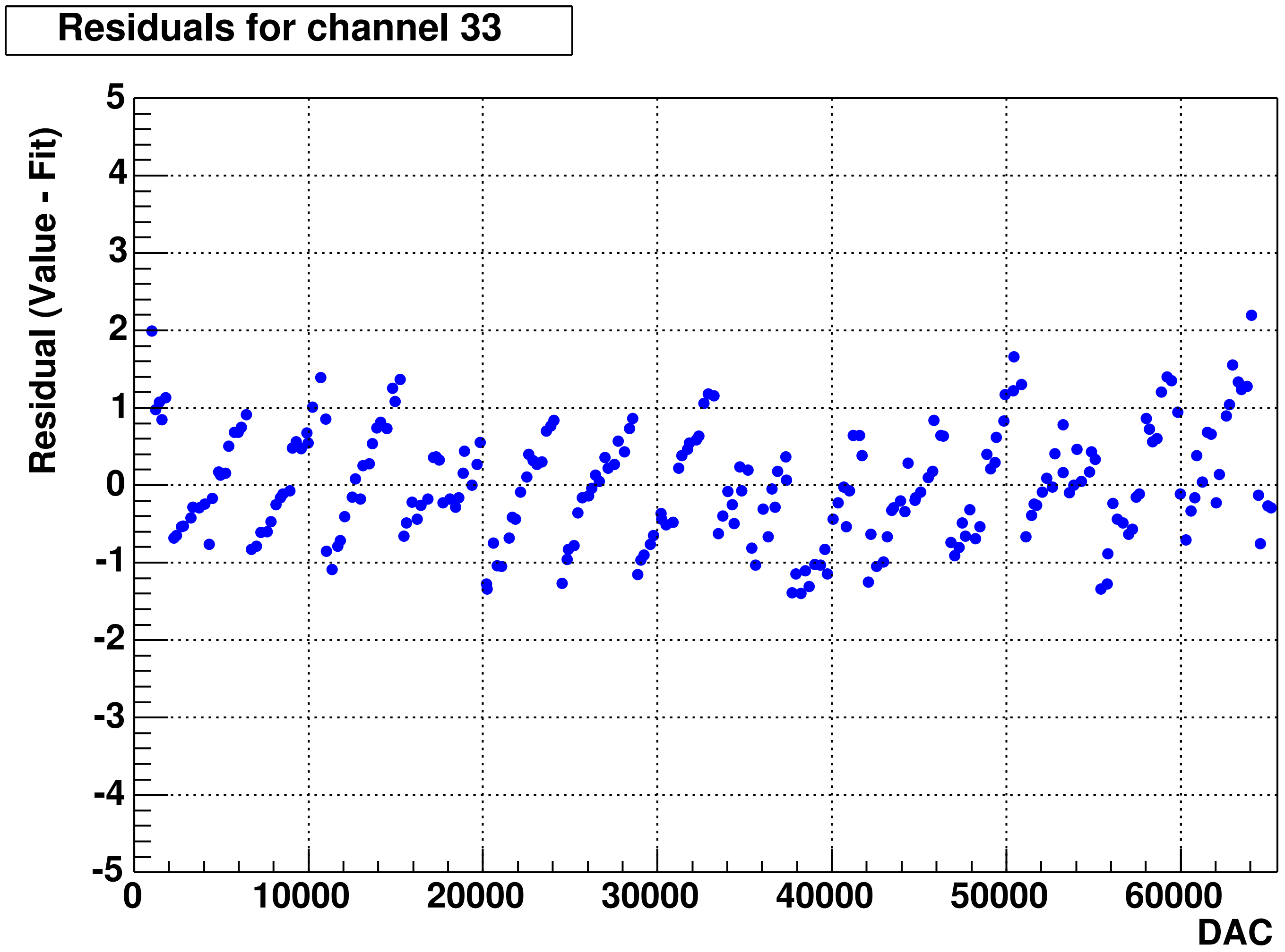


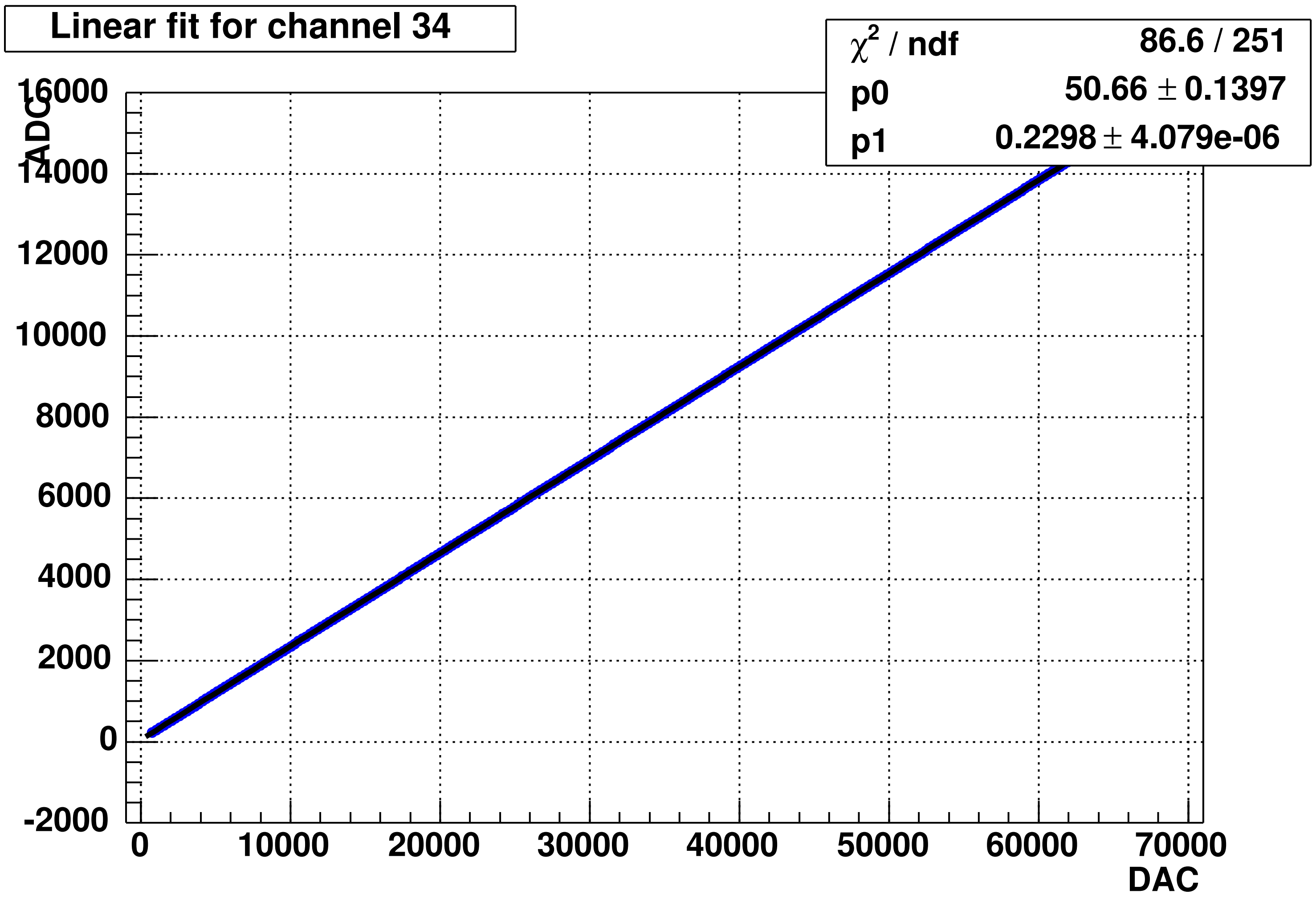
Linear fit for channel 32
χ^2 / ndf 41.82 / 251
p0 -7.128 ± 0.1376
p1 0.2304 ± 4.054e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 32
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



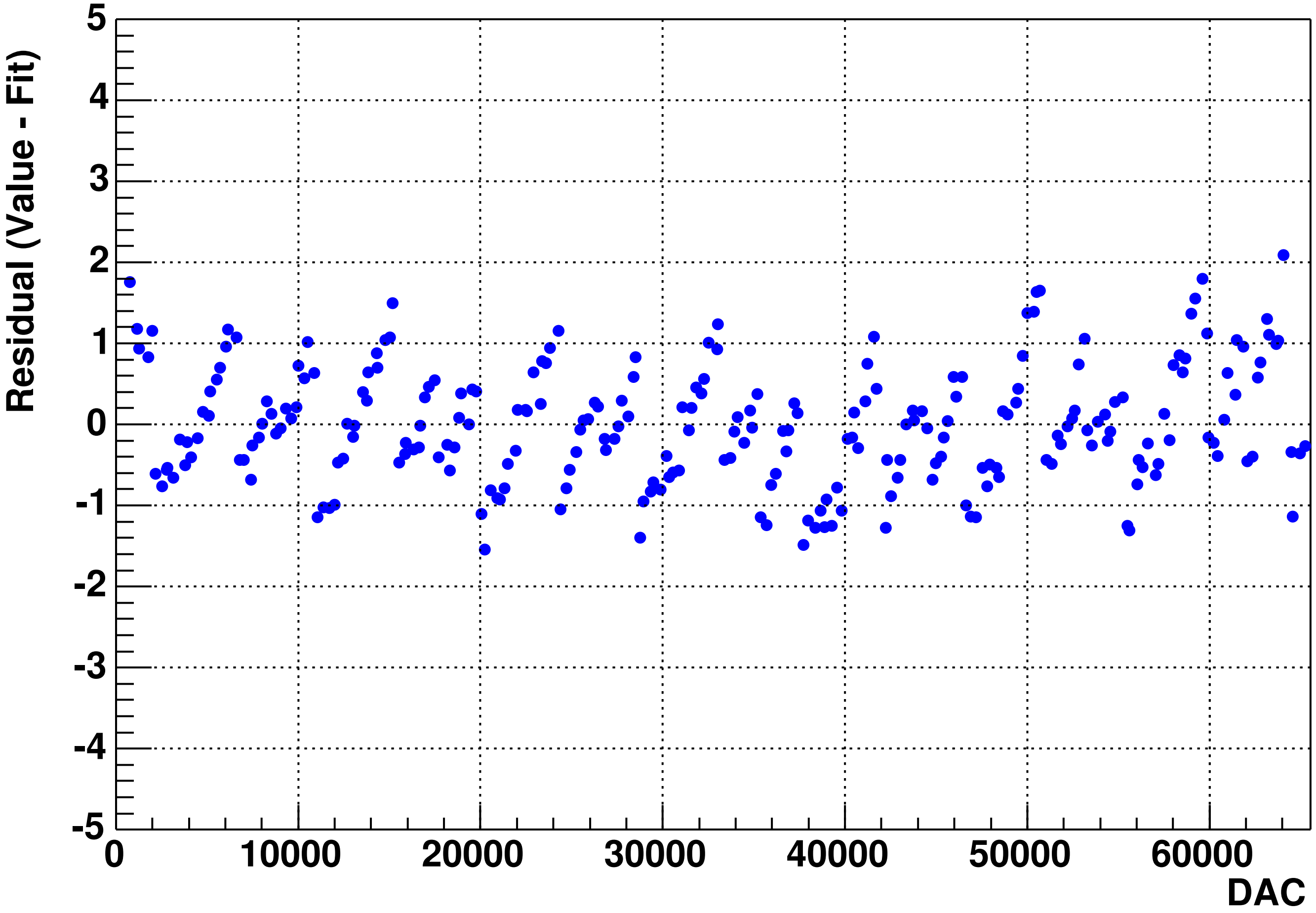
Linear fit for channel 33
χ^2 / ndf 75.76 / 251
p0 46.6 ± 0.1488
p1 0.2299 ± 4.308e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

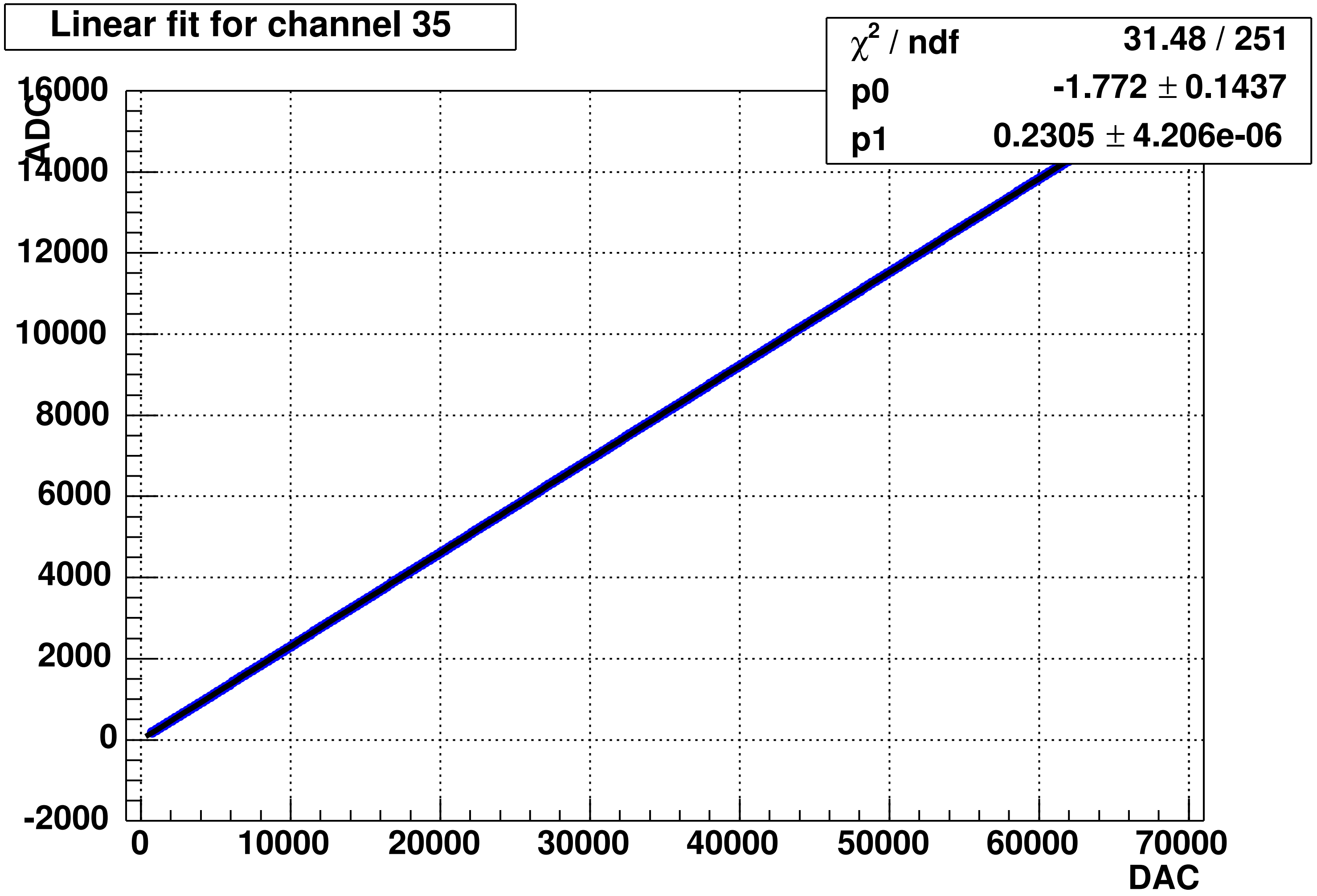

Residuals for channel 33
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

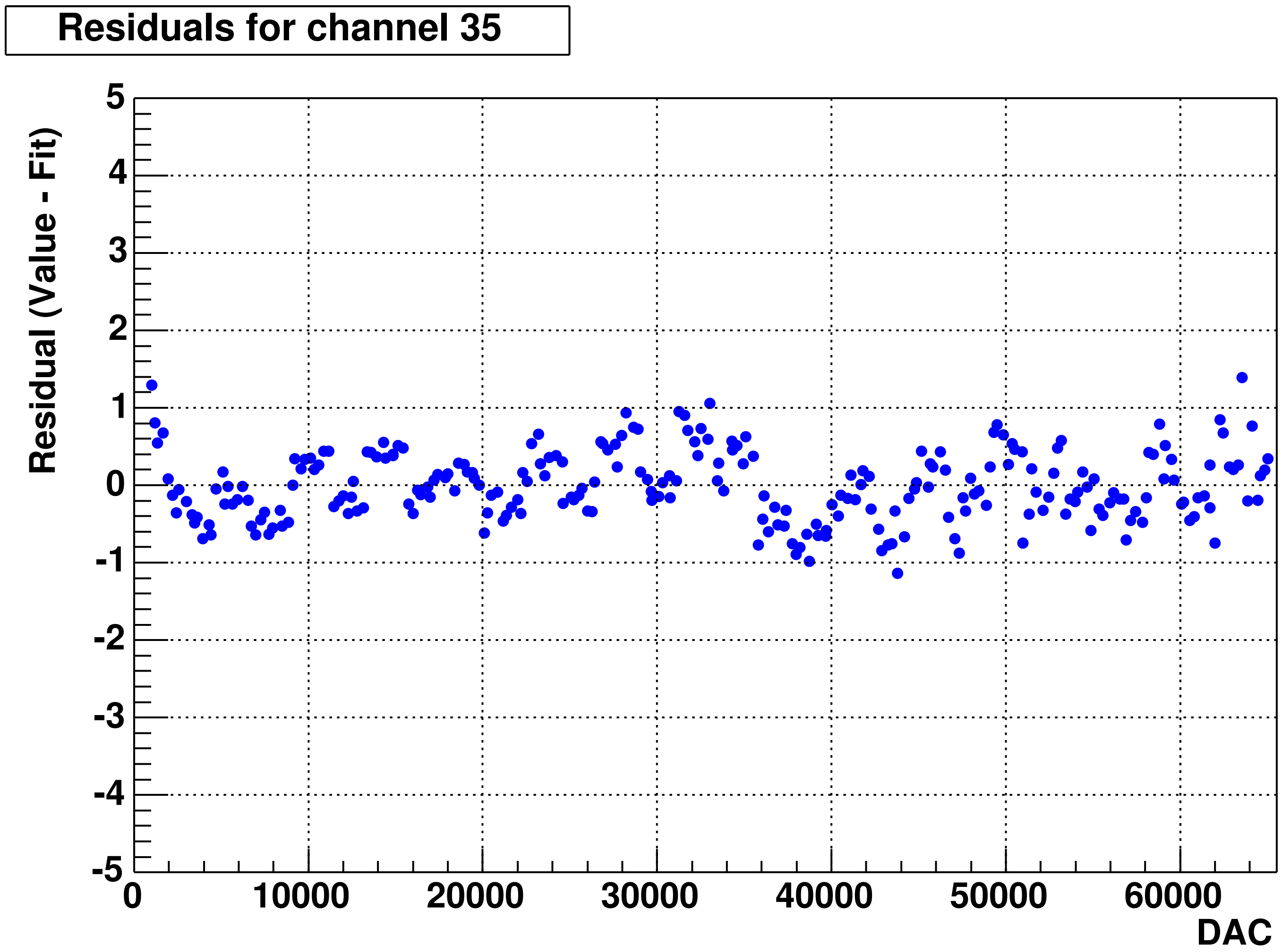


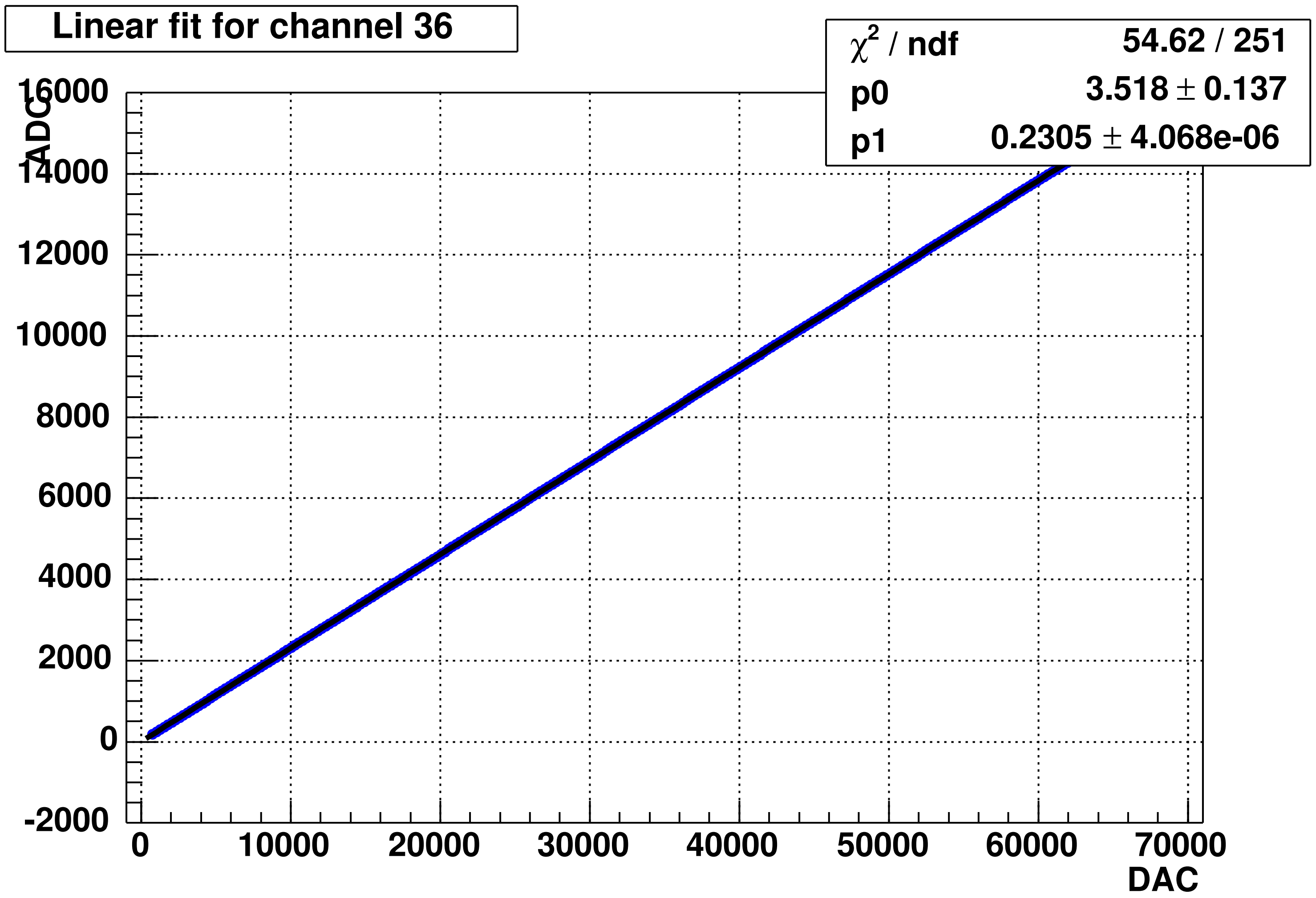
Linear fit for channel 34
χ^2 / ndf 86.6 / 251
p0 50.66 ± 0.1397
p1 0.2298 ± 4.079e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

Residuals for channel 34

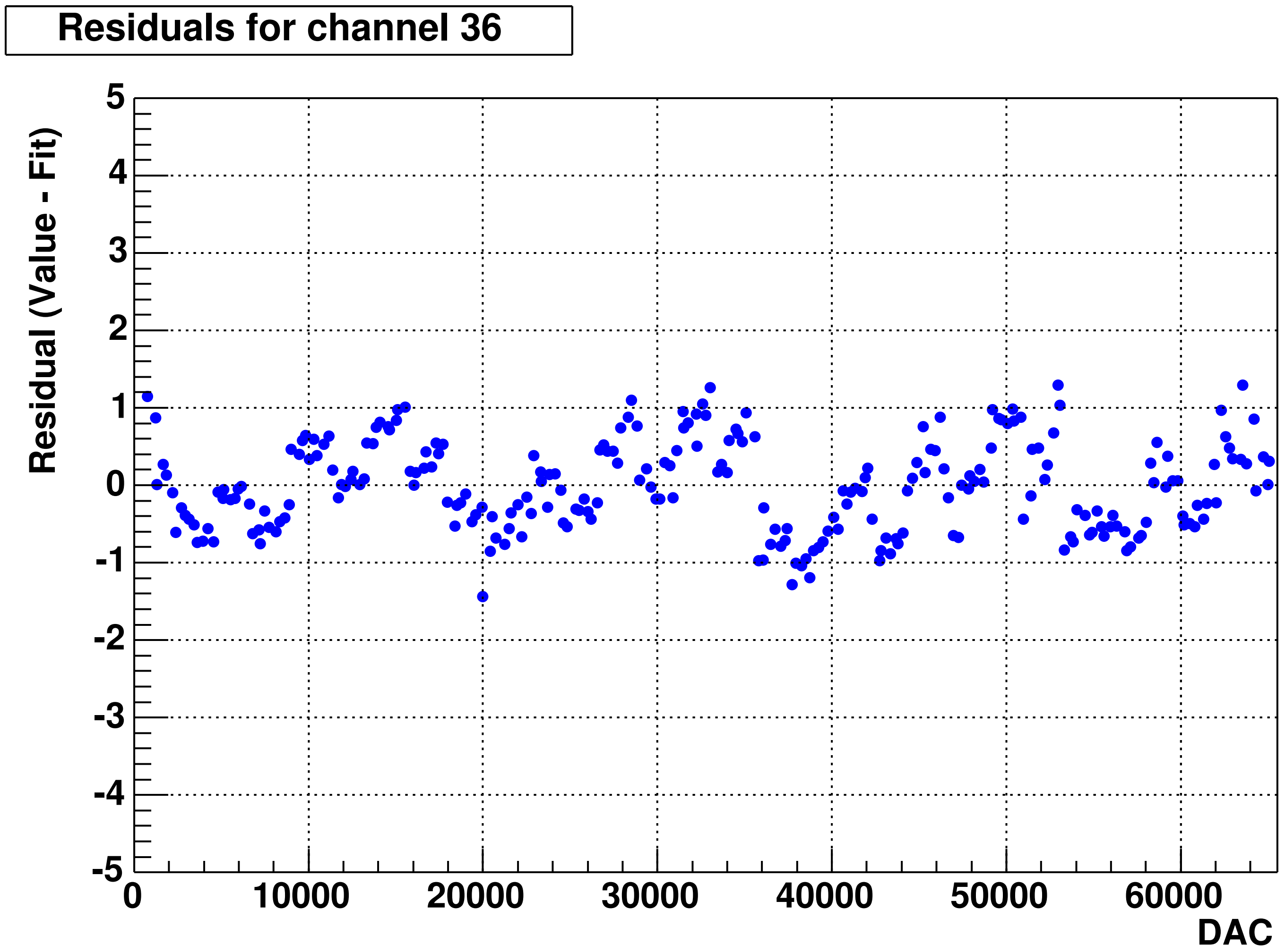



Linear fit for channel 35
χ^2 / ndf 31.48 / 251
p0 -1.772 ± 0.1437
p1 0.2305 ± 4.206e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

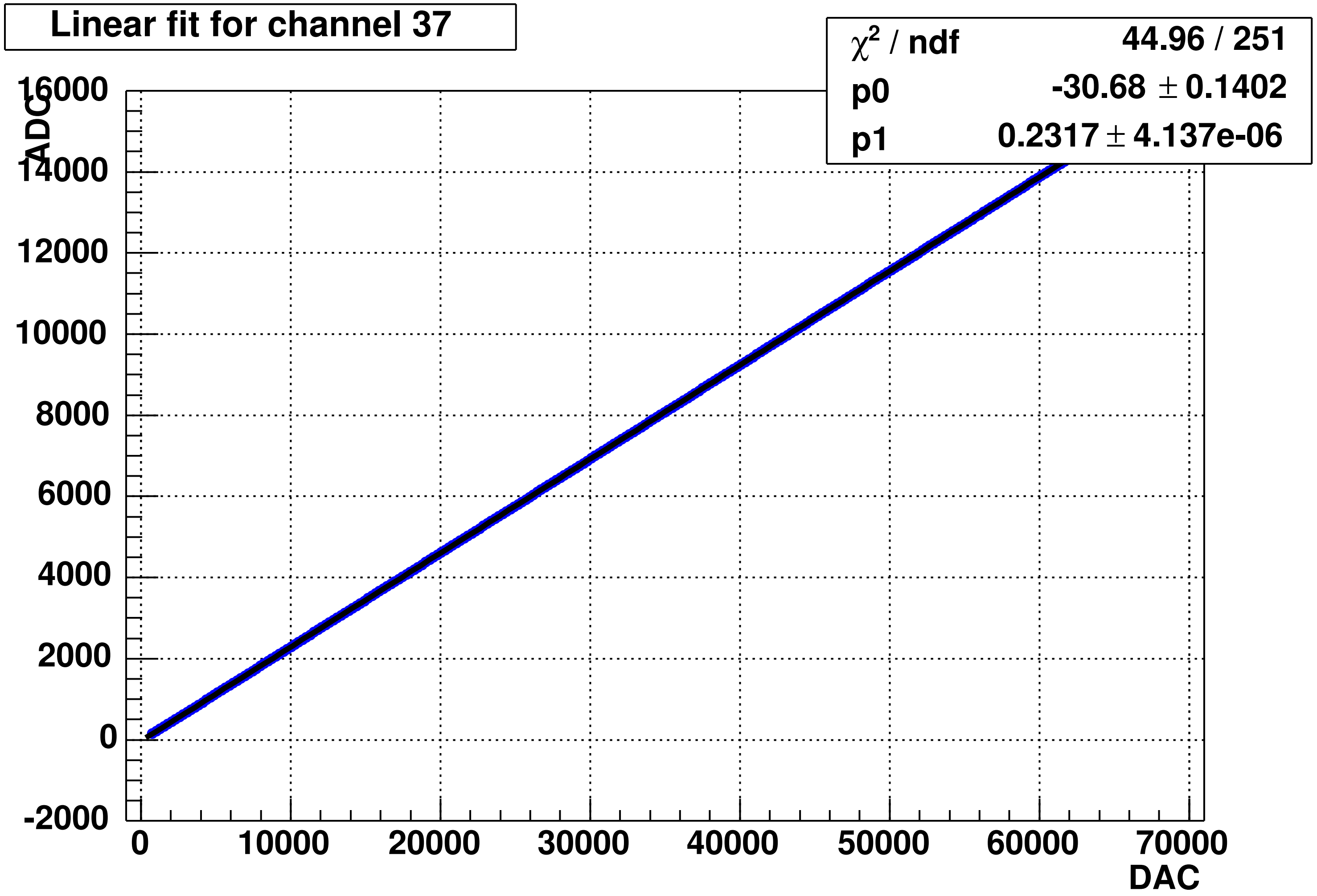

Residuals for channel 35
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

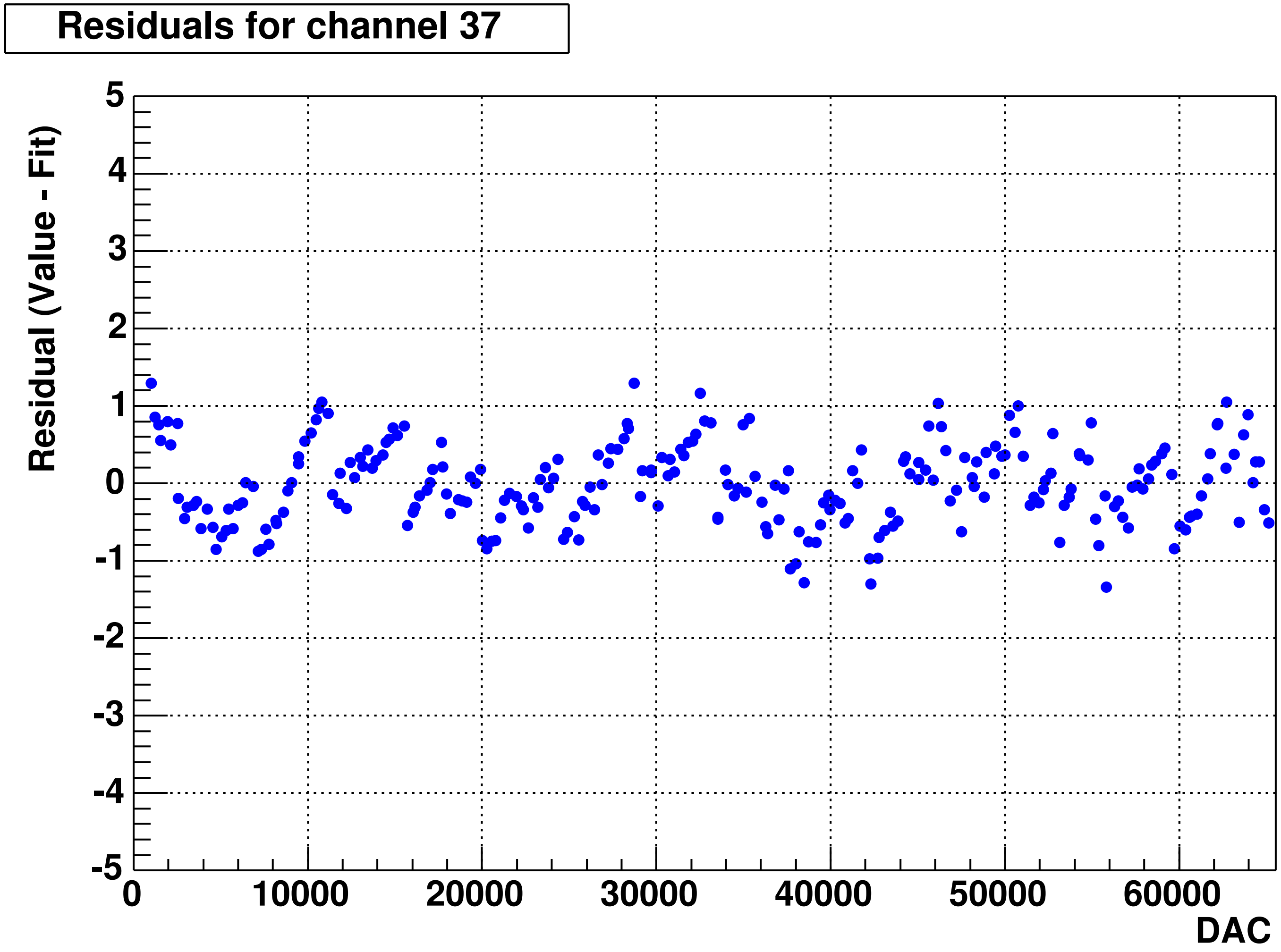


Linear fit for channel 36
χ^2 / ndf 54.62 / 251
p0 3.518 ± 0.137
p1 0.2305 ± 4.068e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

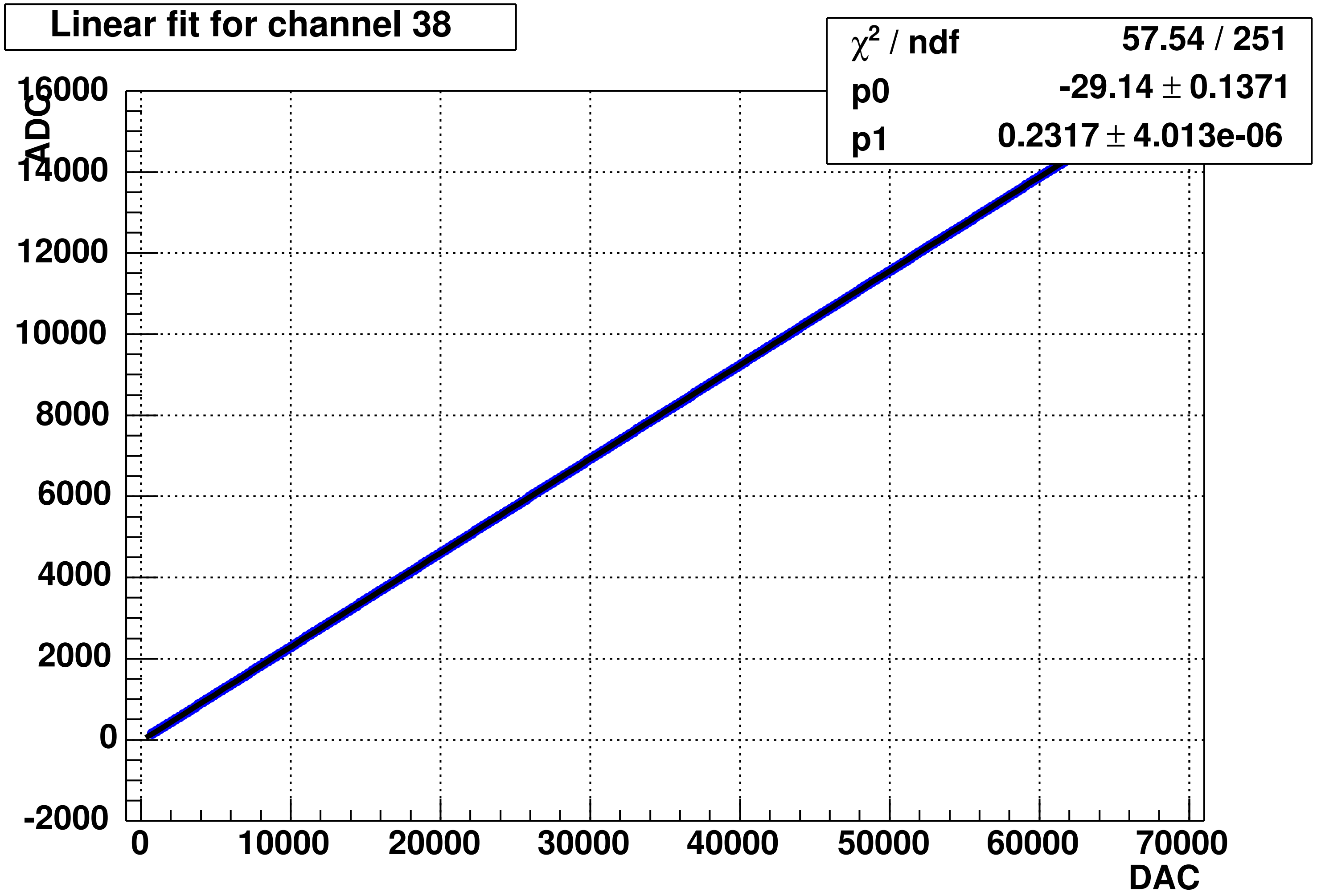


Residuals for channel 36
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

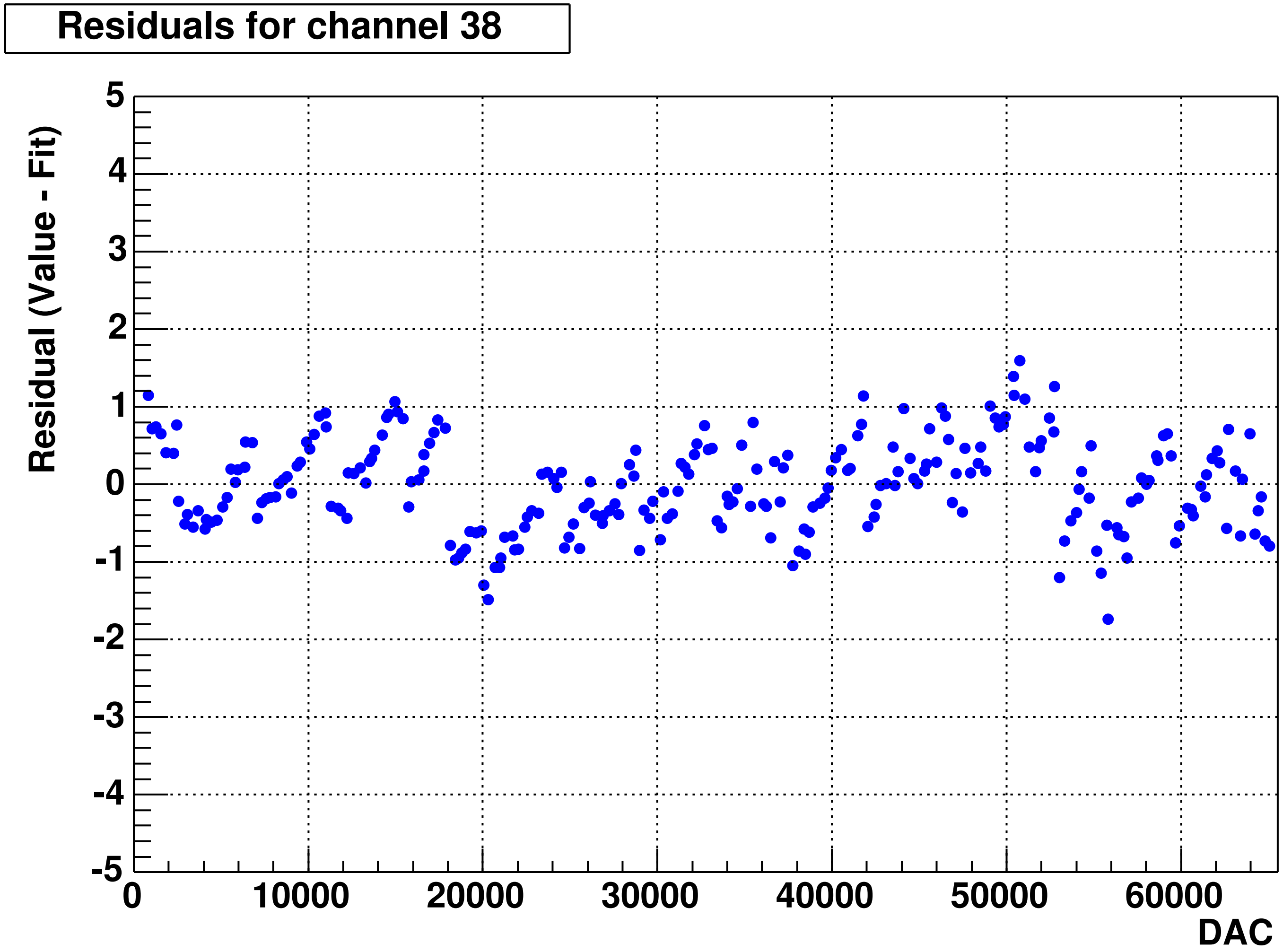

Linear fit for channel 37
χ^2 / ndf 44.96 / 251
p0 -30.68 ± 0.1402
p1 0.2317 ± 4.137e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



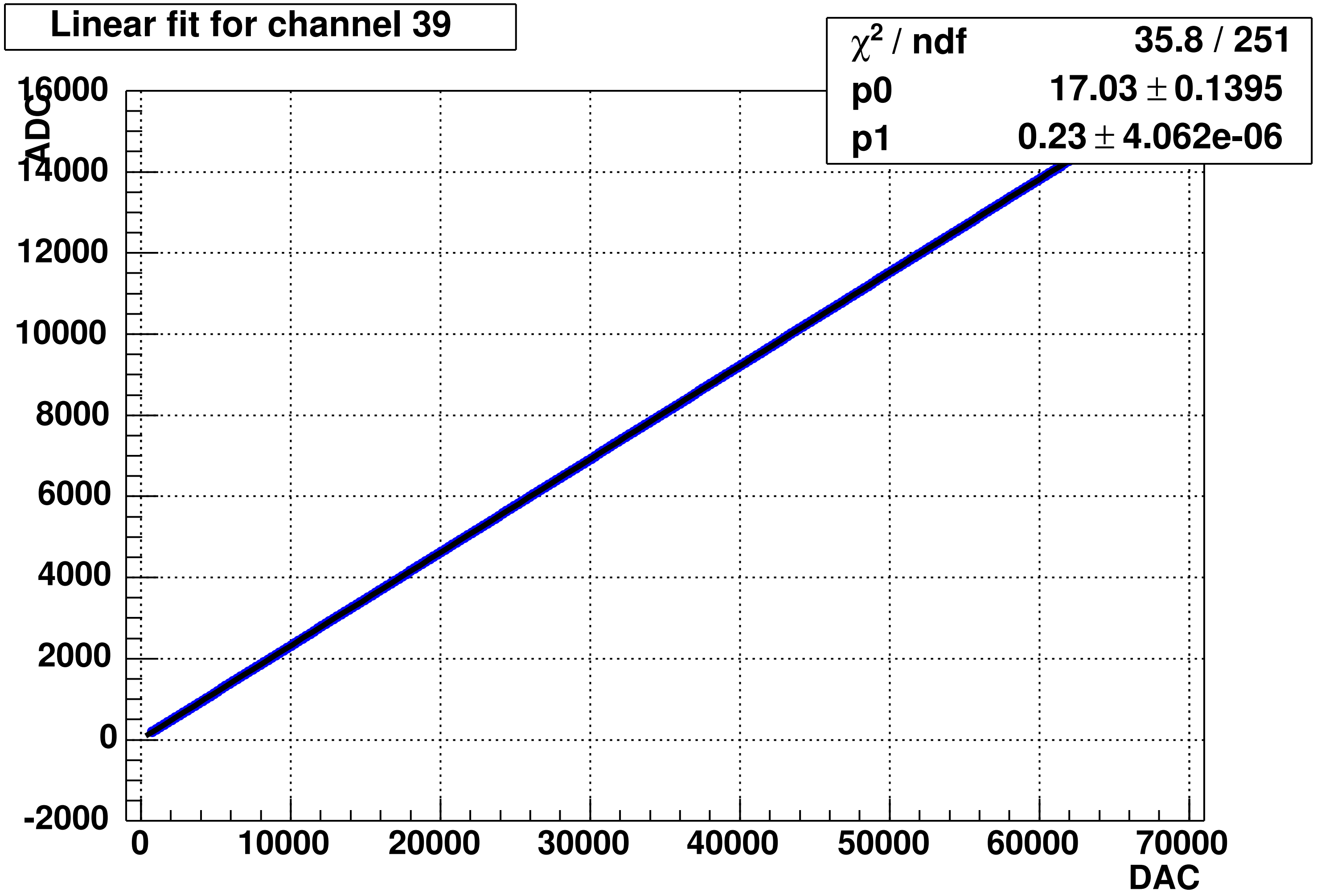
Residuals for channel 37
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



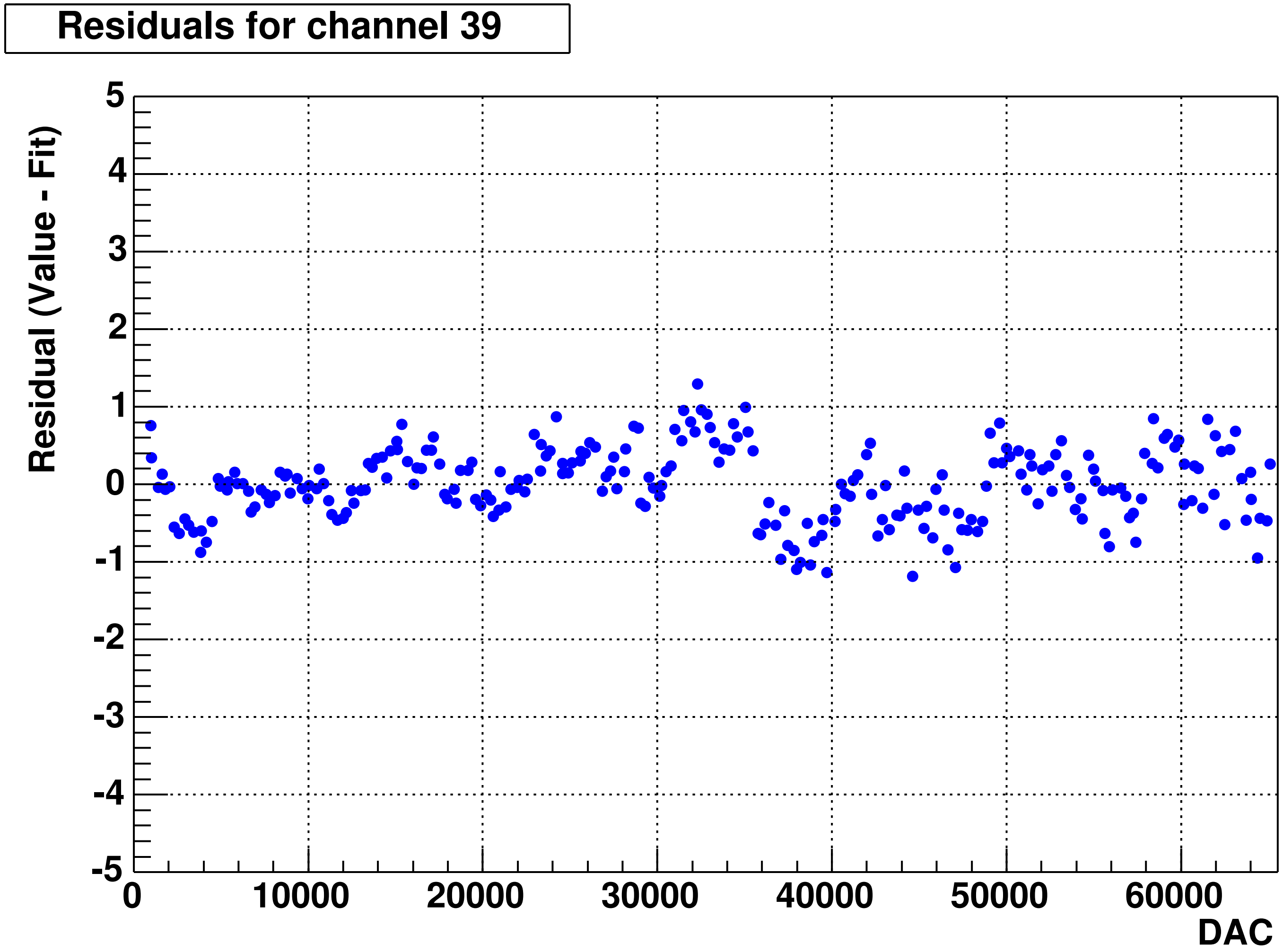
Linear fit for channel 38
χ² / ndf 57.54 / 251
p0 -29.14 ± 0.1371
p1 0.2317 ± 4.013e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

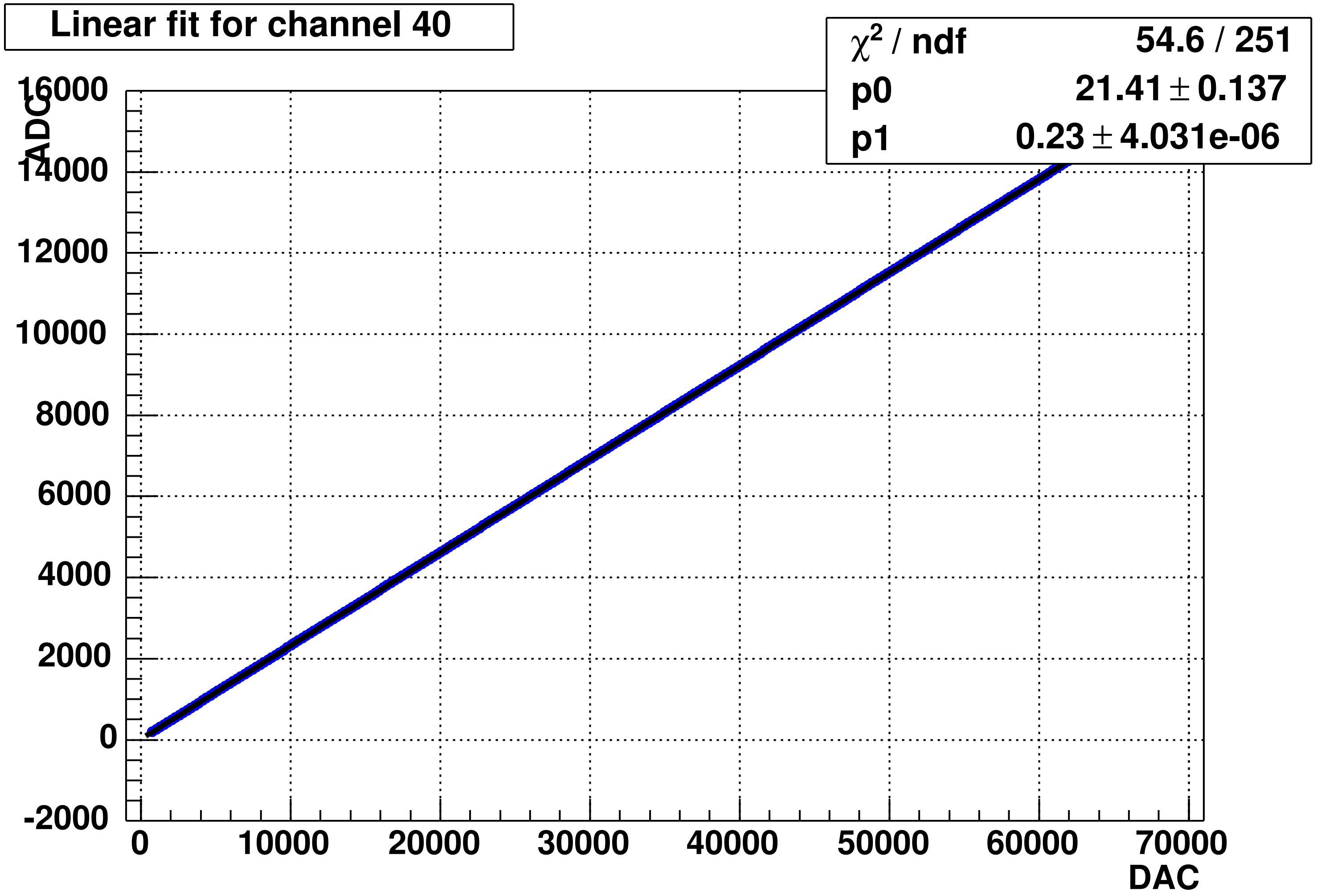


Residuals for channel 38
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

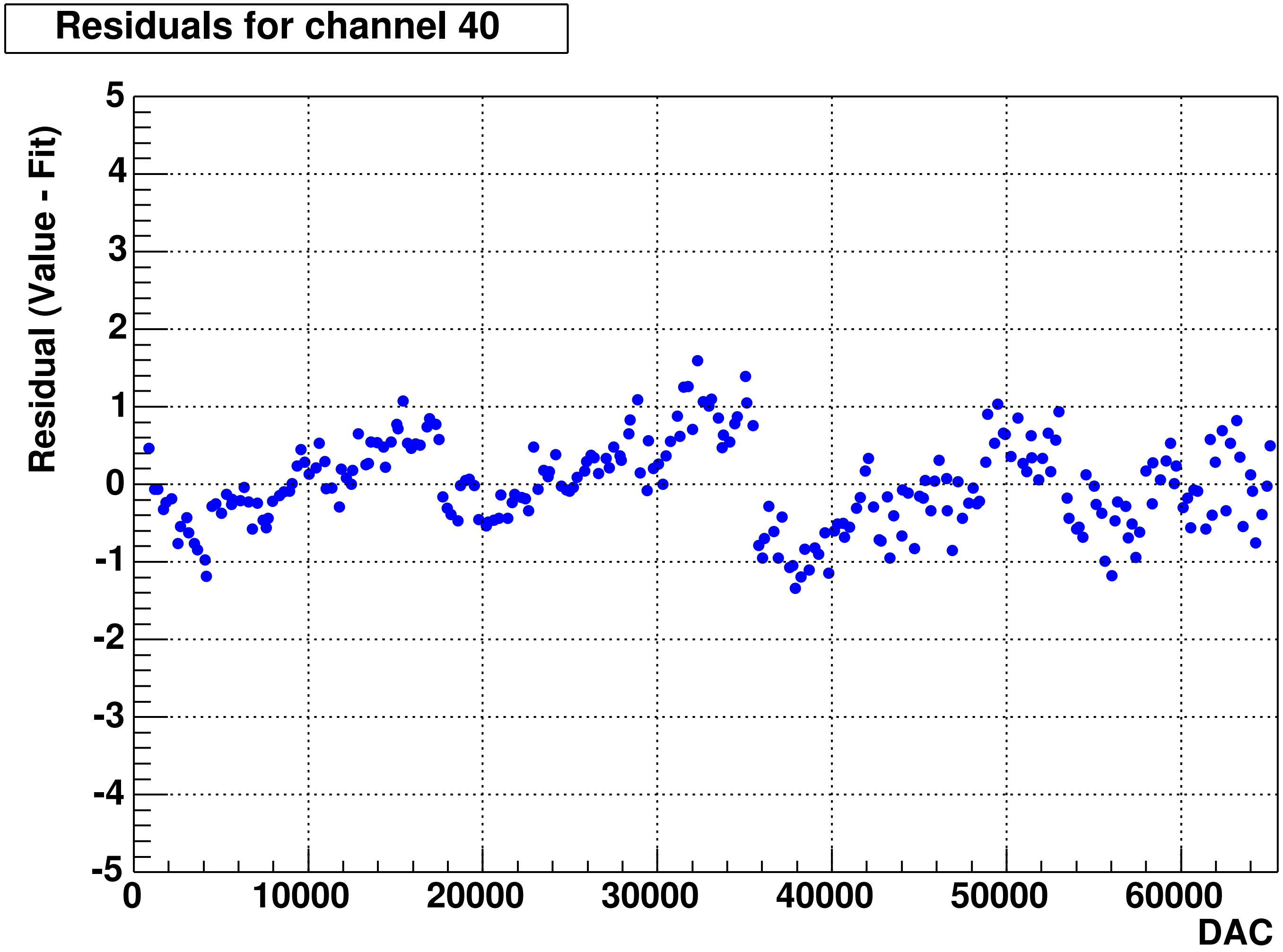


Linear fit for channel 39
χ^2 / ndf 35.8 / 251
p0 17.03 ± 0.1395
p1 0.23 ± 4.062e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

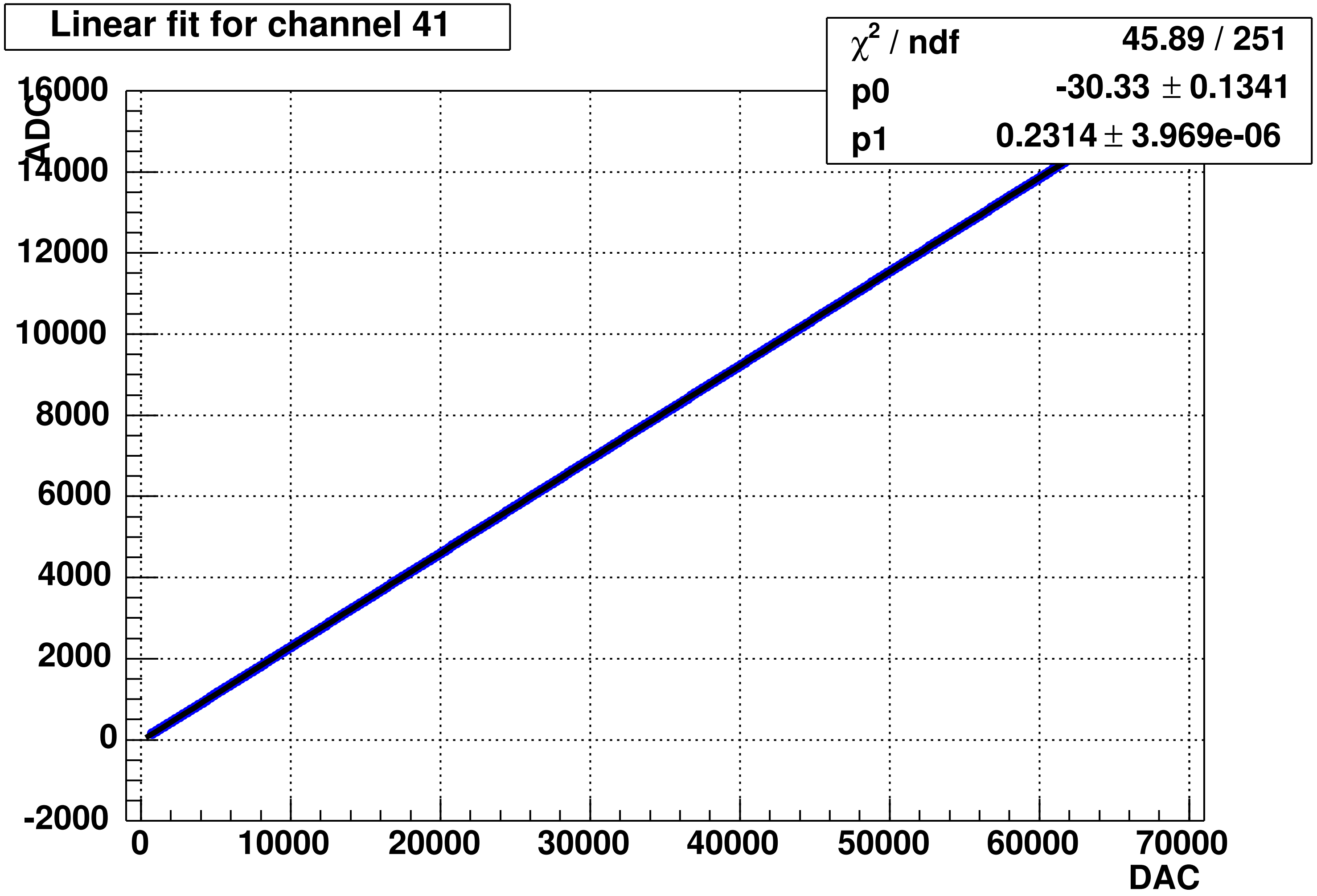

Residuals for channel 39
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

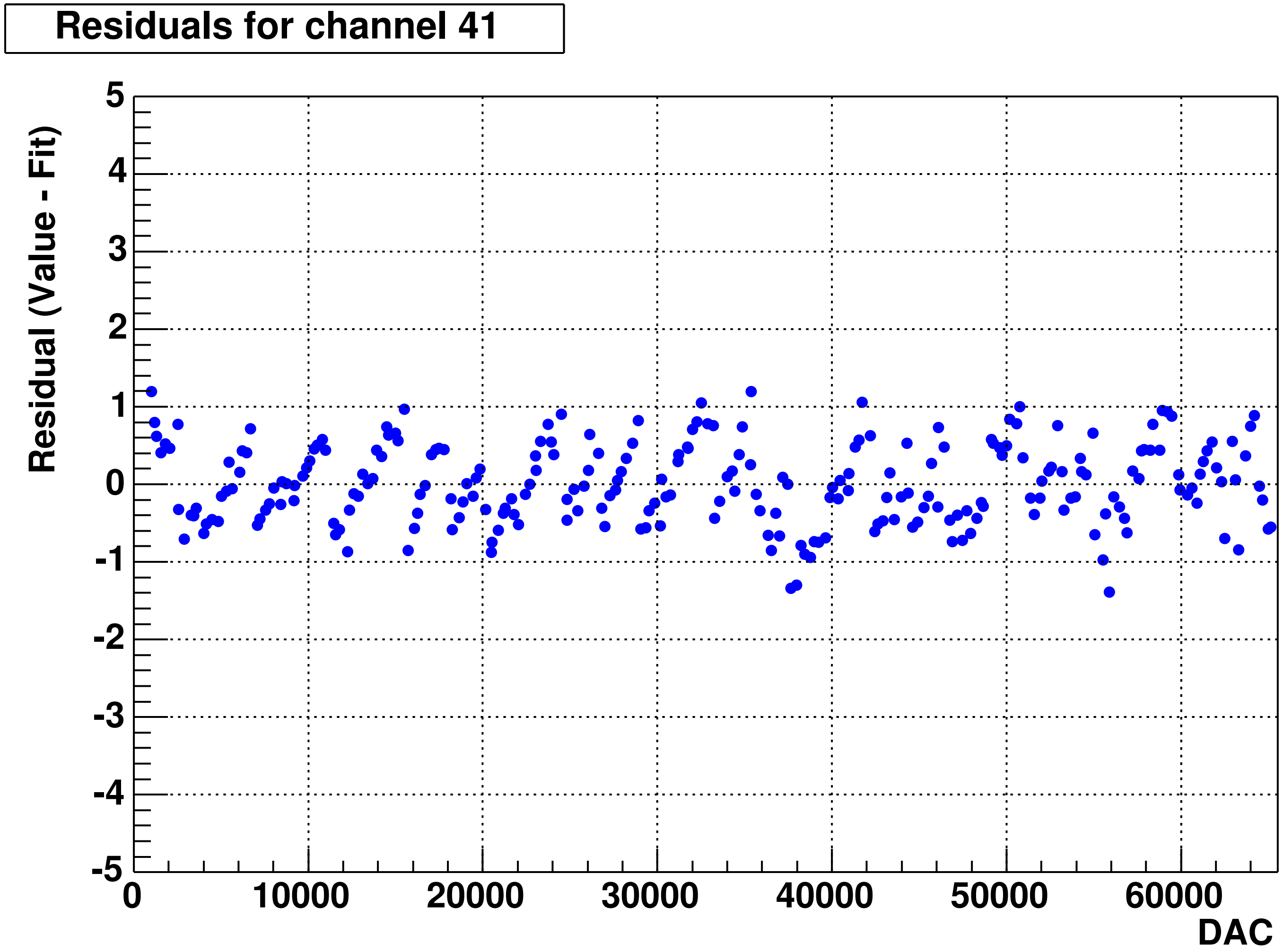


Linear fit for channel 40
χ^2 / ndf 54.6 / 251
p0 21.41 ± 0.137
p1 0.23 ± 4.031e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

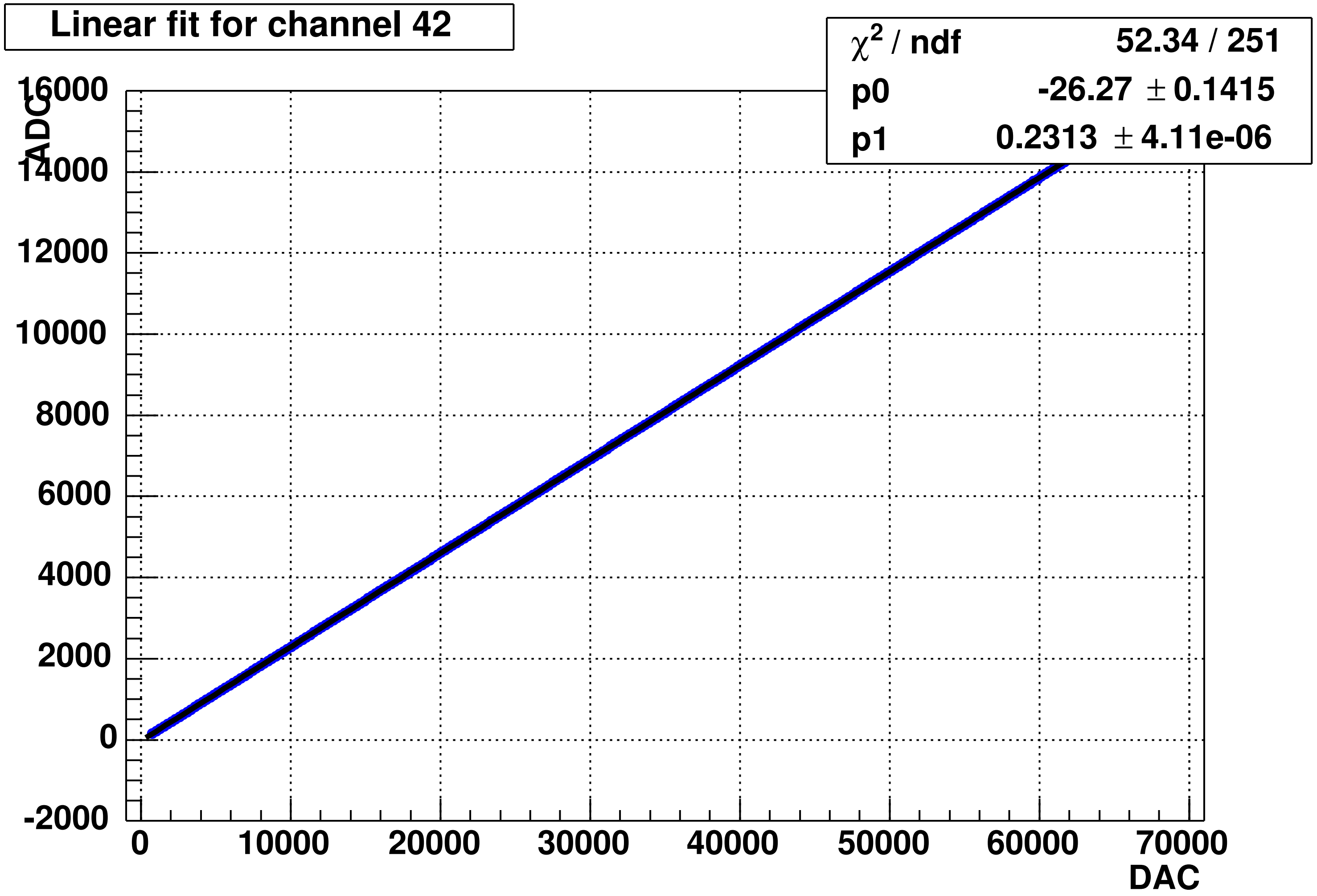


Residuals for channel 40
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

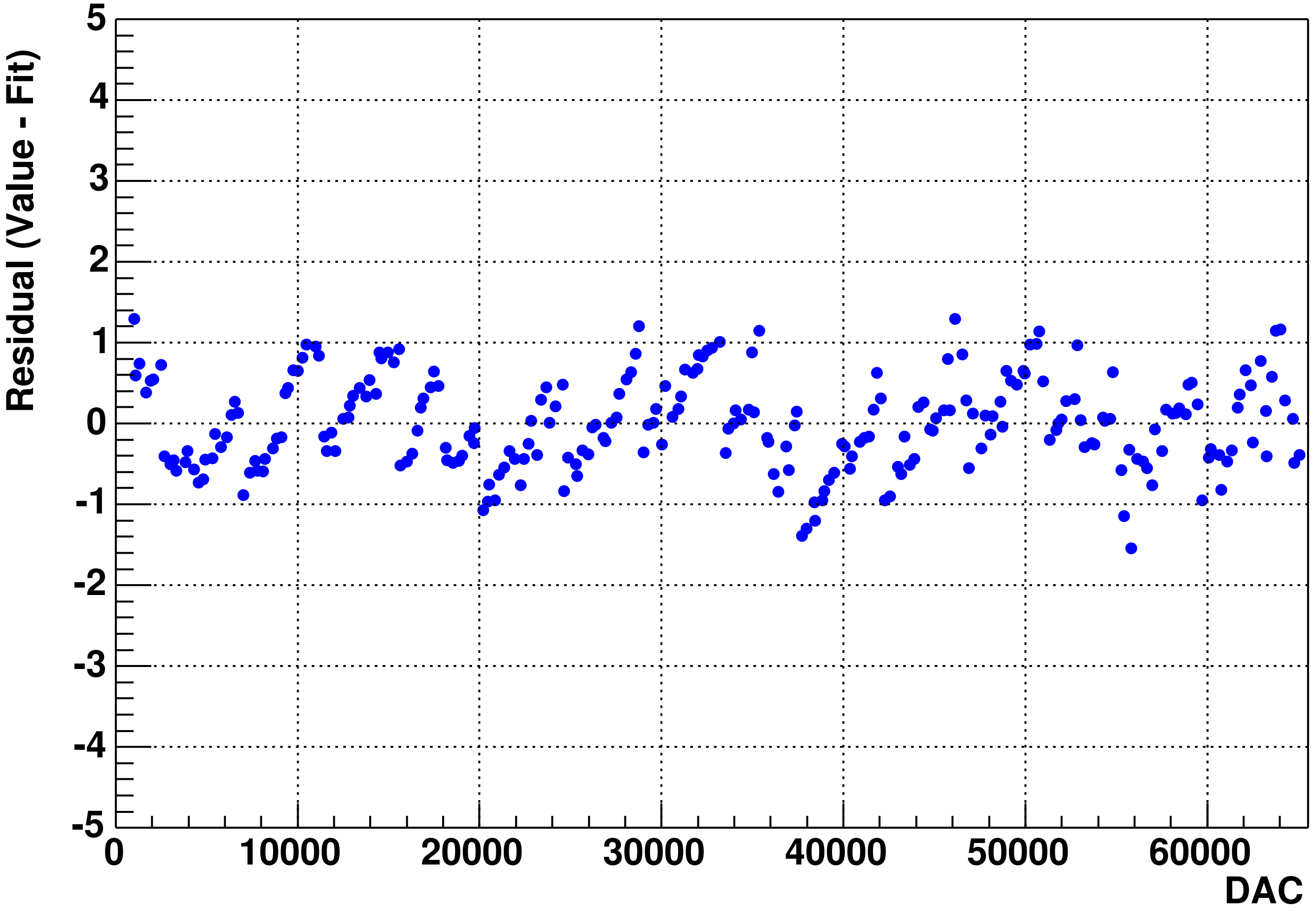

Linear fit for channel 41
χ^2 / ndf 45.89 / 251
p0 -30.33 ± 0.1341
p1 0.2314 ± 3.969e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

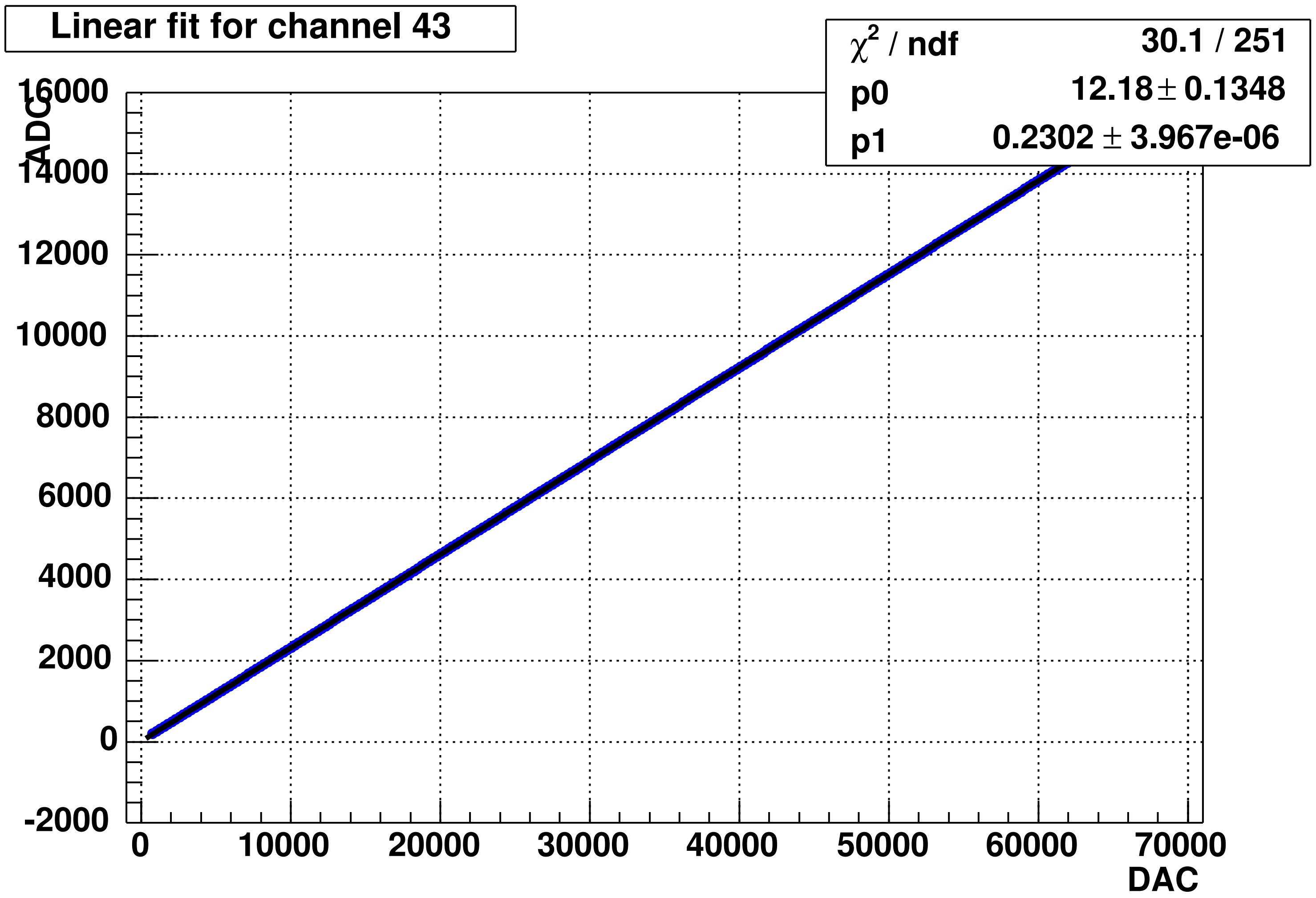


Residuals for channel 41
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

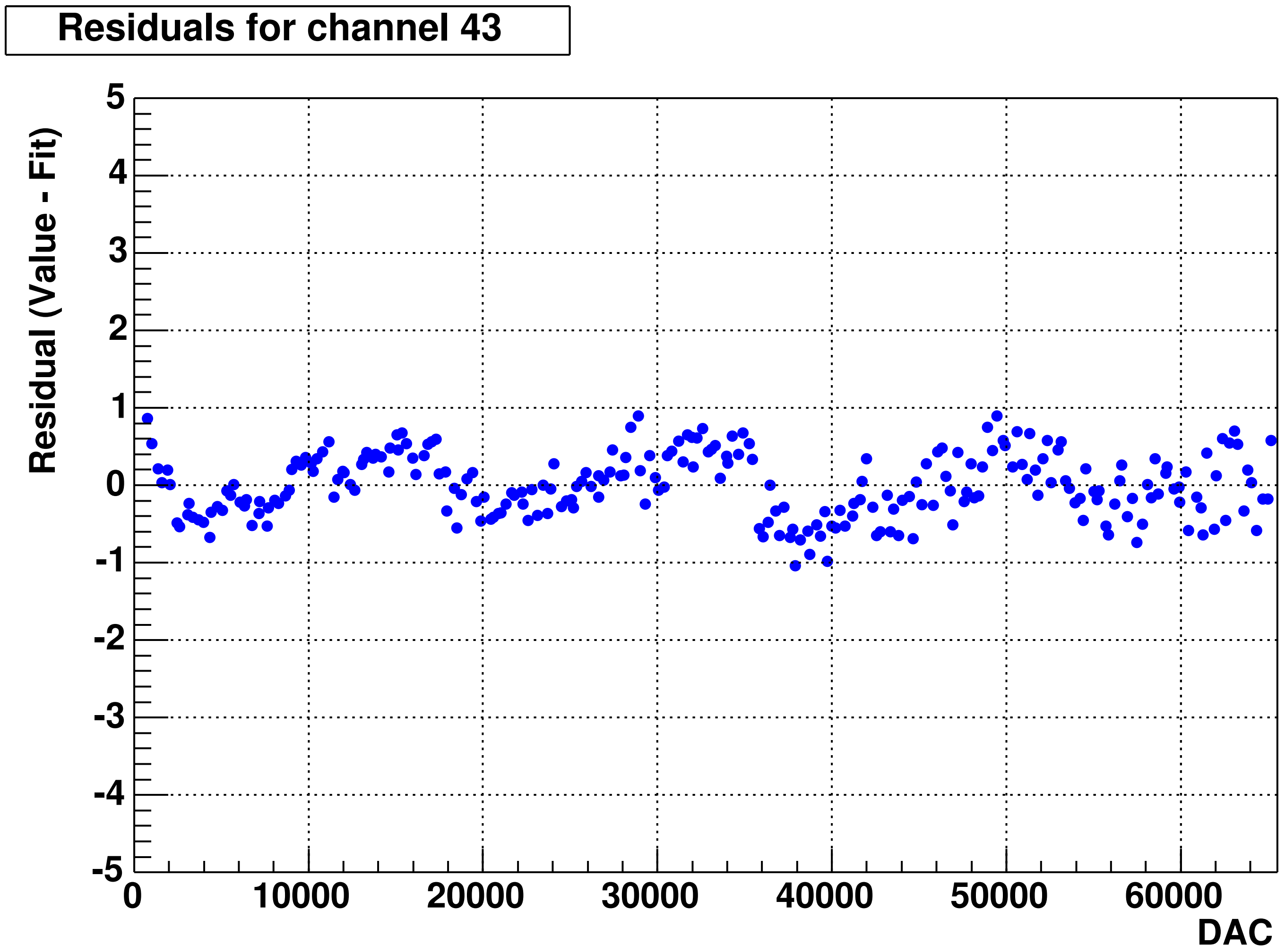

Linear fit for channel 42
χ^2 / ndf 52.34 / 251
p0 -26.27 ± 0.1415
p1 0.2313 ± 4.11e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

Residuals for channel 42

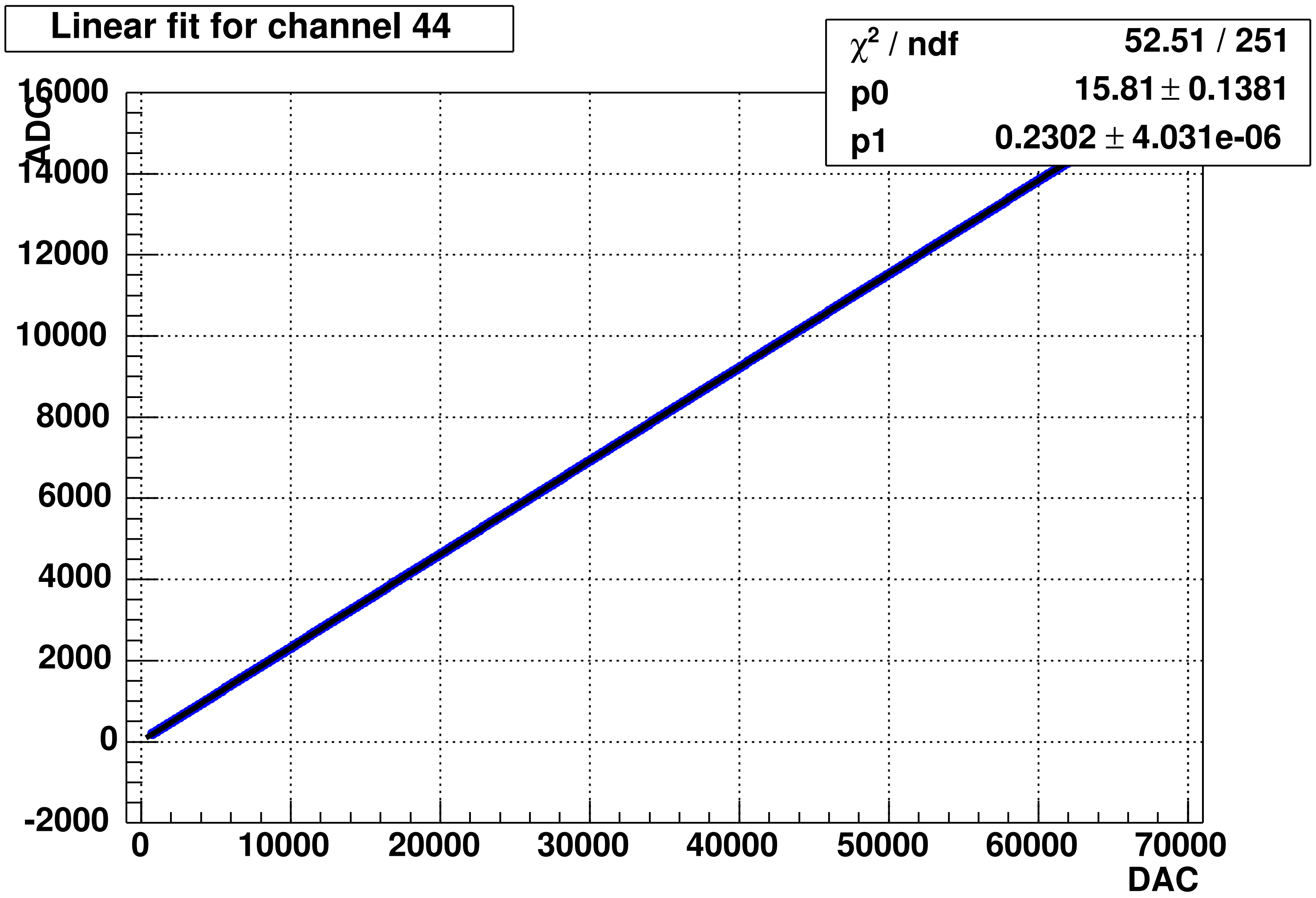


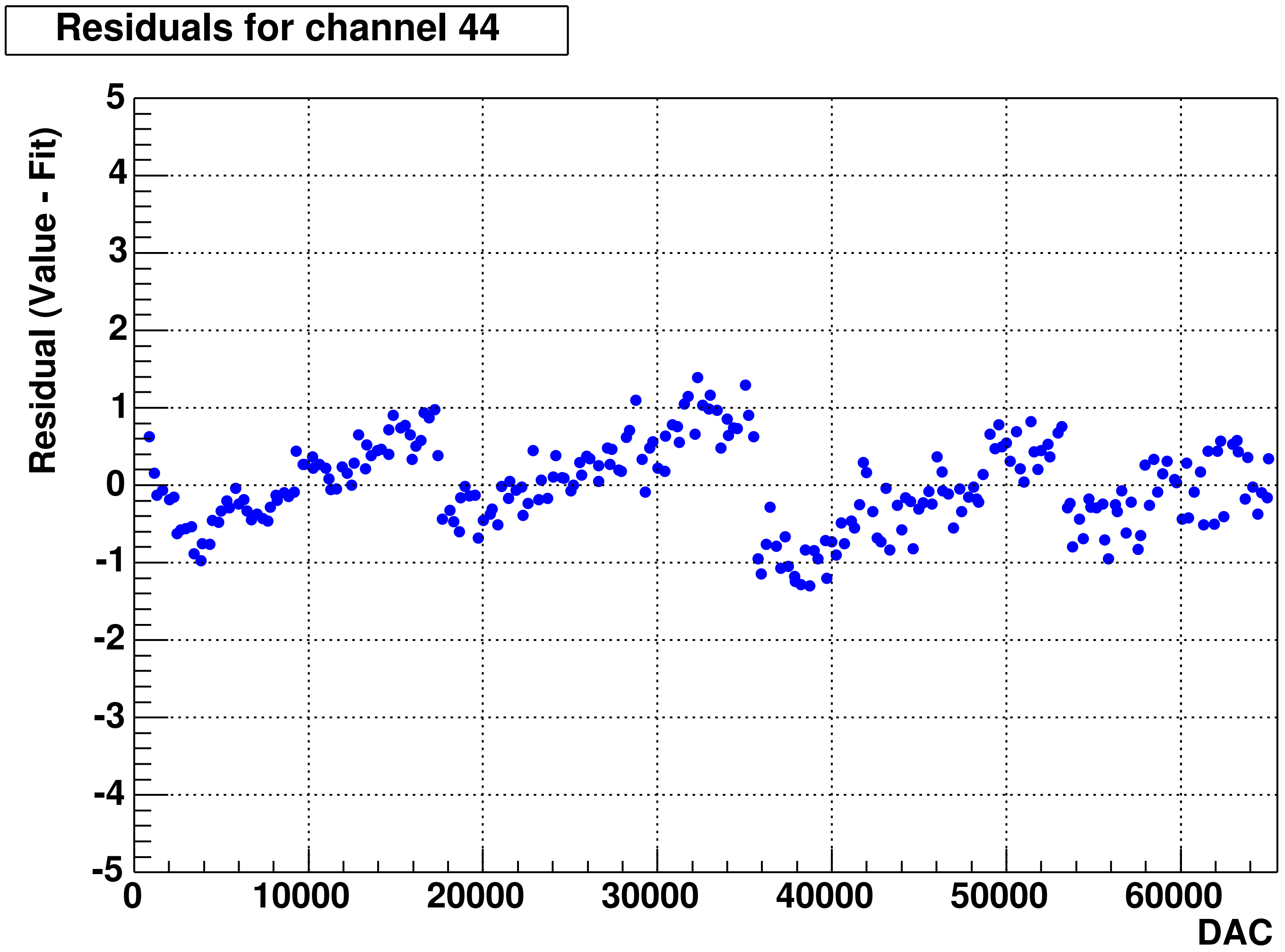


Linear fit for channel 43
χ² / ndf 30.1 / 251
p0 12.18 ± 0.1348
p1 0.2302 ± 3.967e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

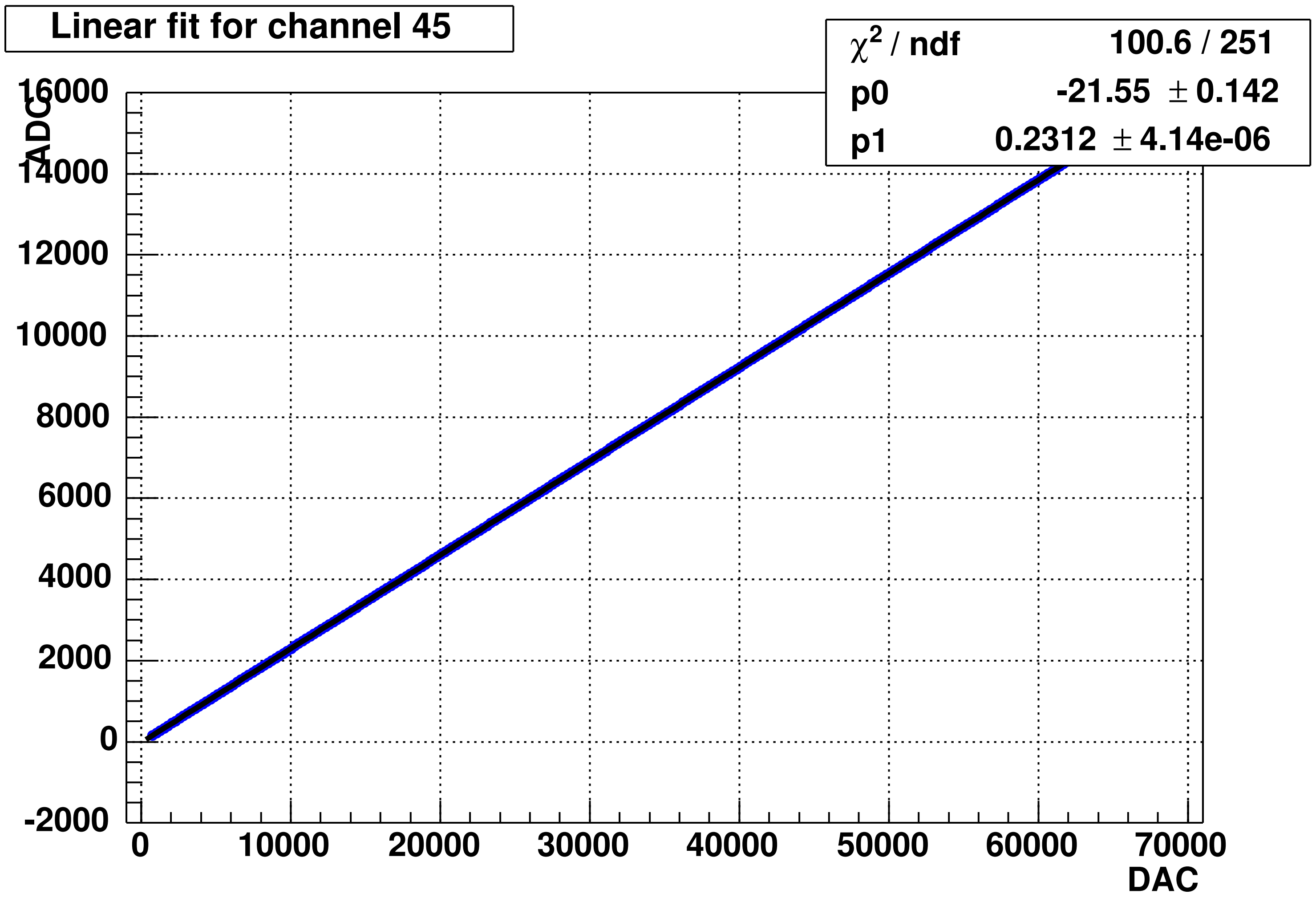


Residuals for channel 43
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

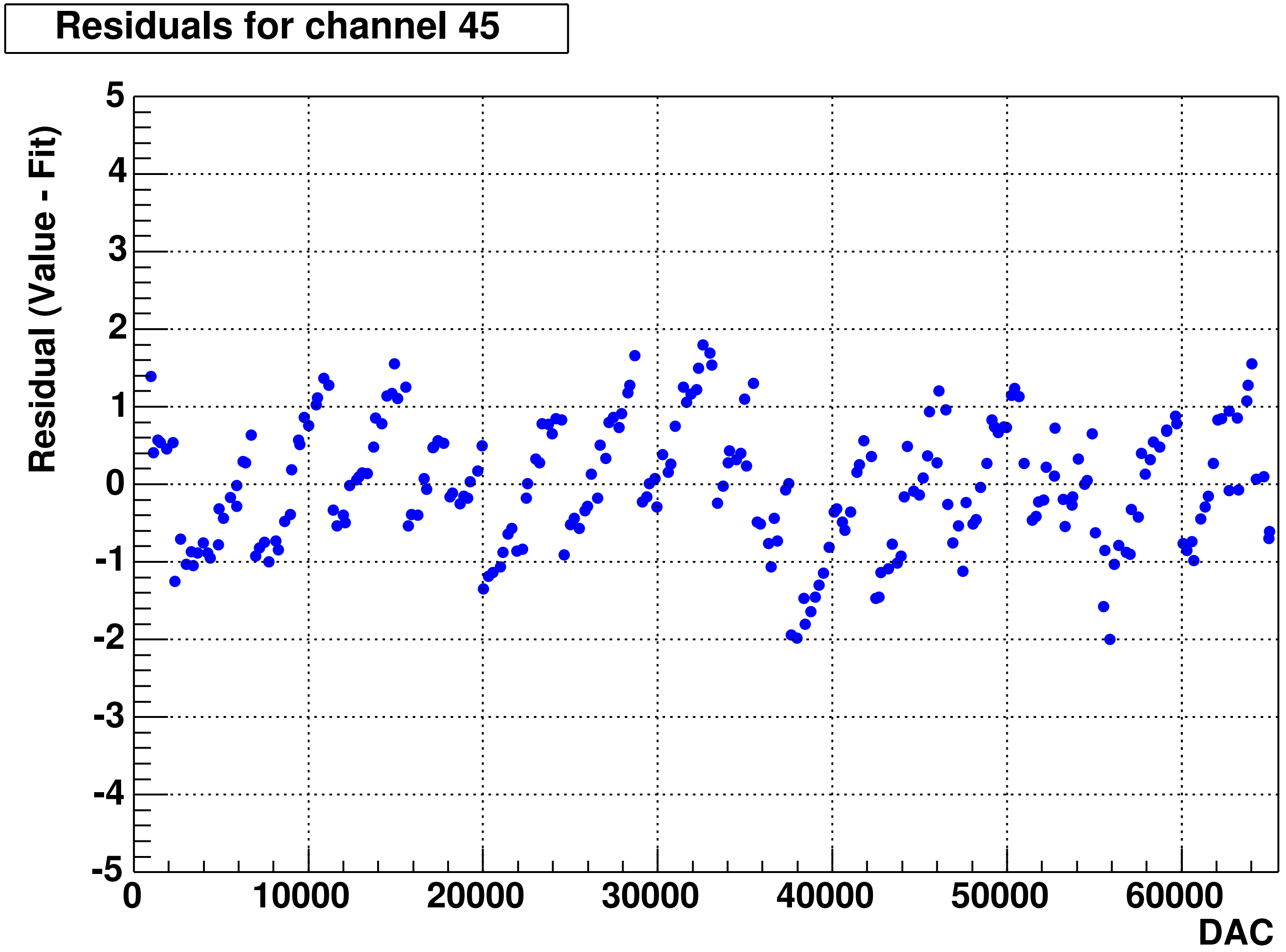

Linear fit for channel 44
χ^2 / ndf 52.51 / 251
p0 15.81 ± 0.1381
p1 0.2302 ± 4.031e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

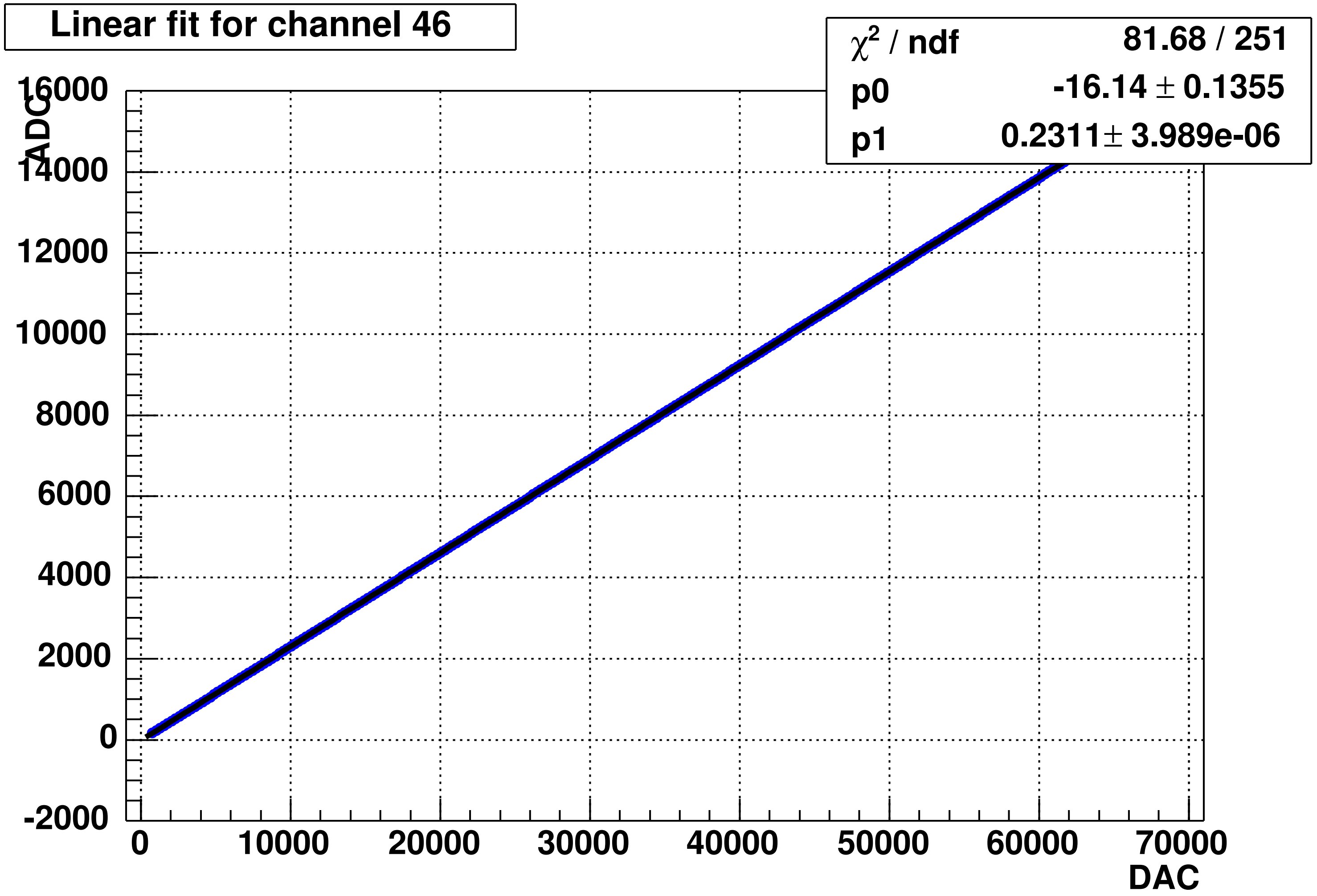


Residuals for channel 44
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

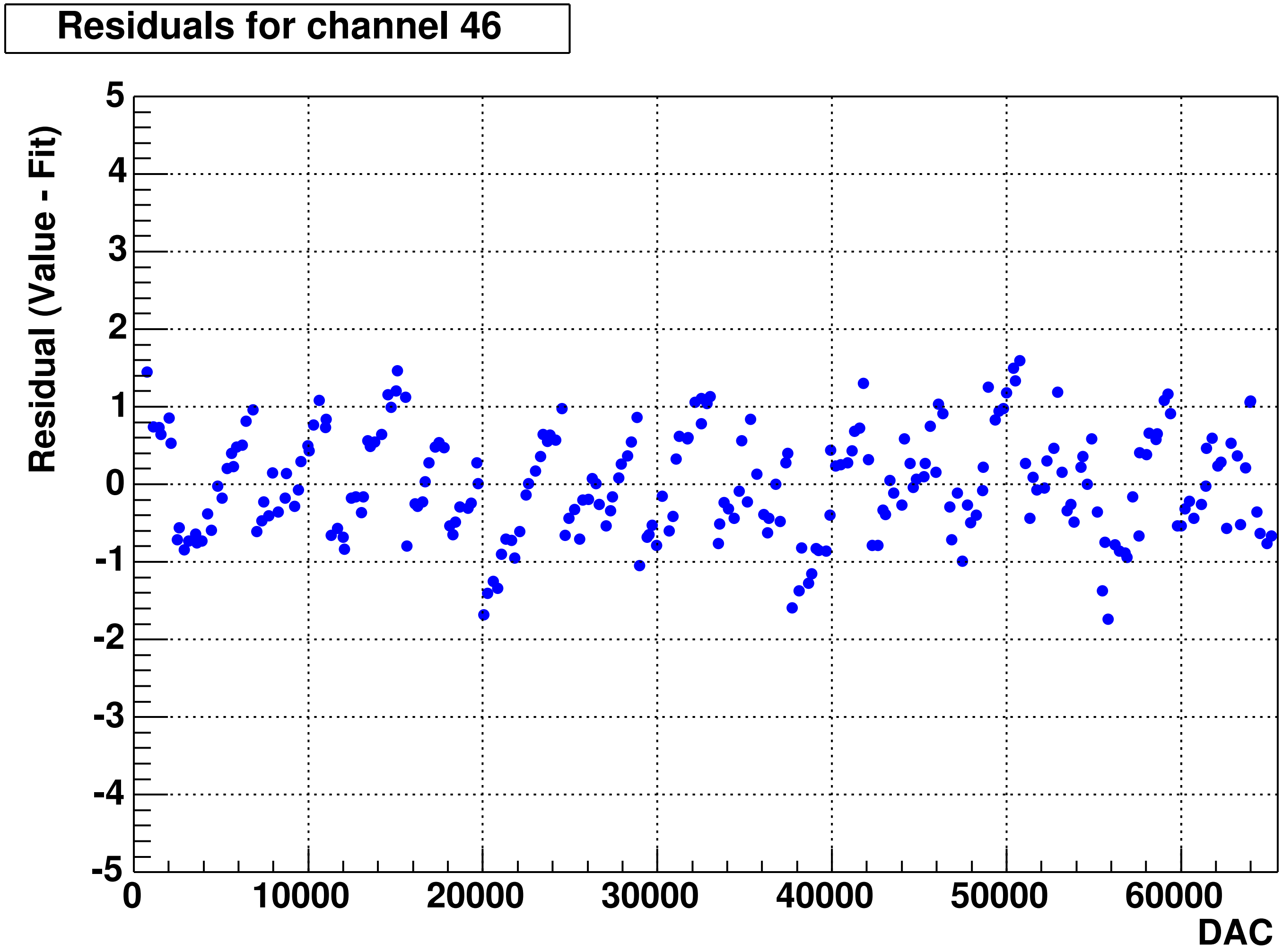


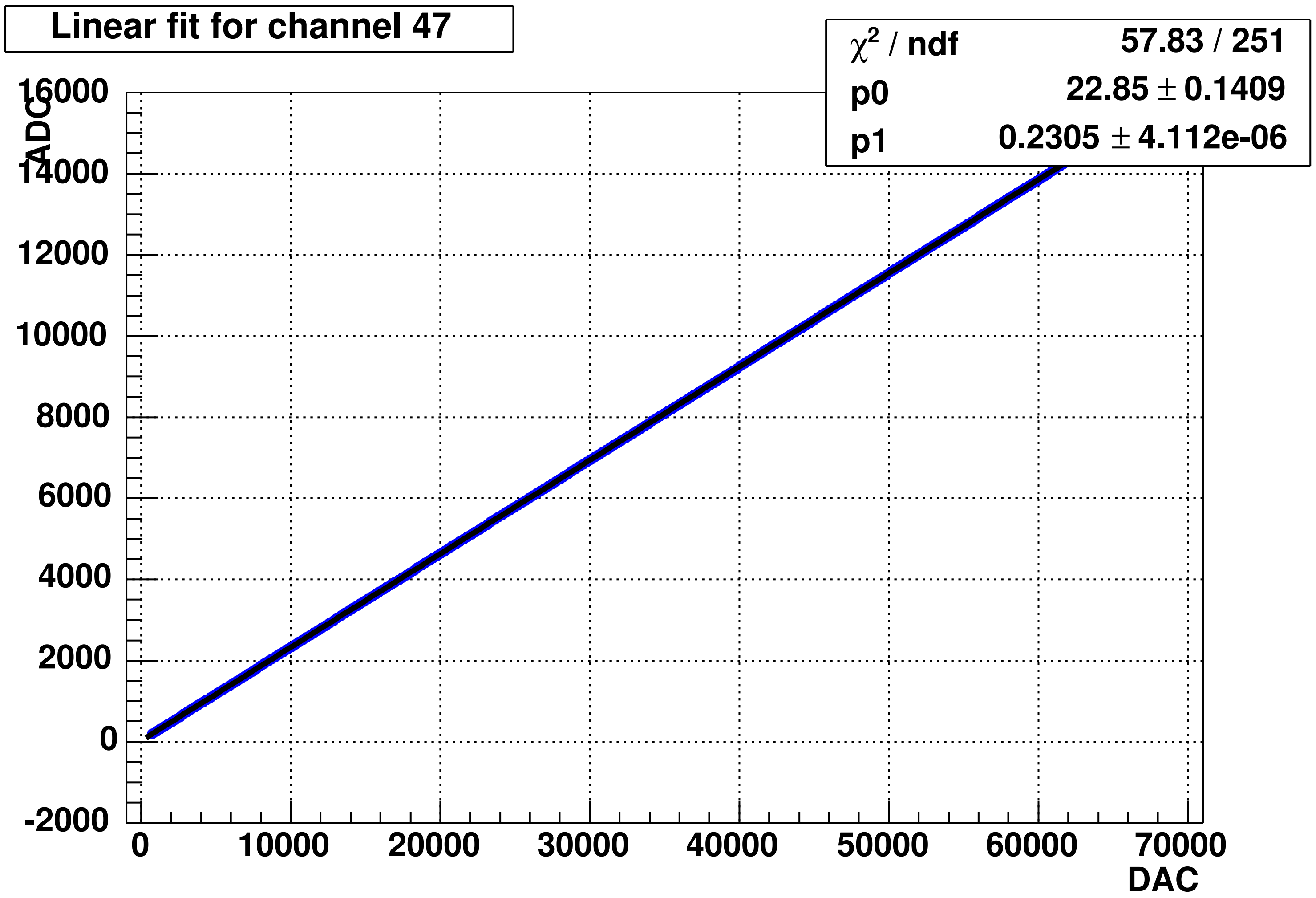
Linear fit for channel 45
χ^2 / ndf 100.6 / 251
p0 -21.55 ± 0.142
p1 0.2312 ± 4.14e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000


Residuals for channel 45
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

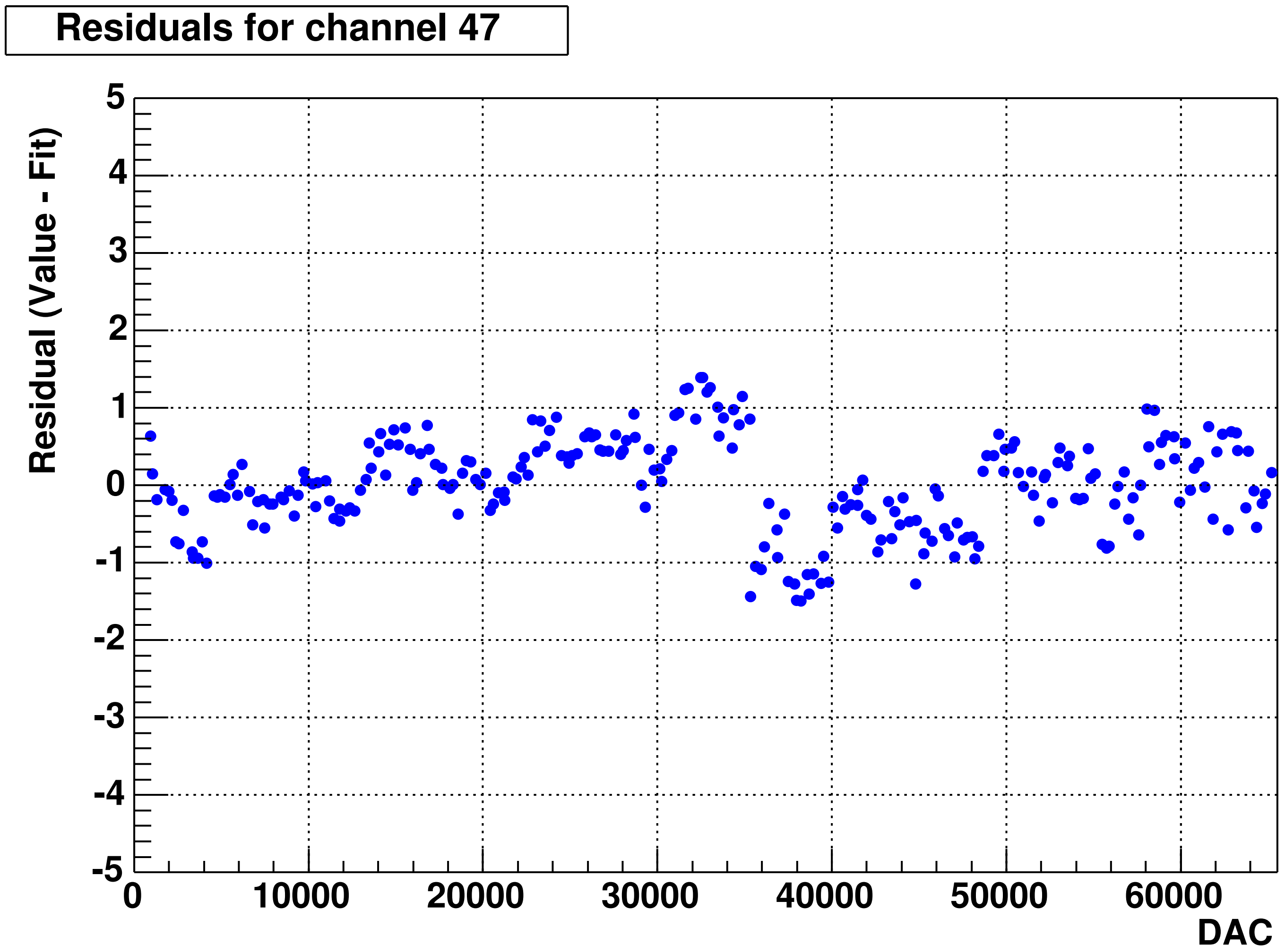


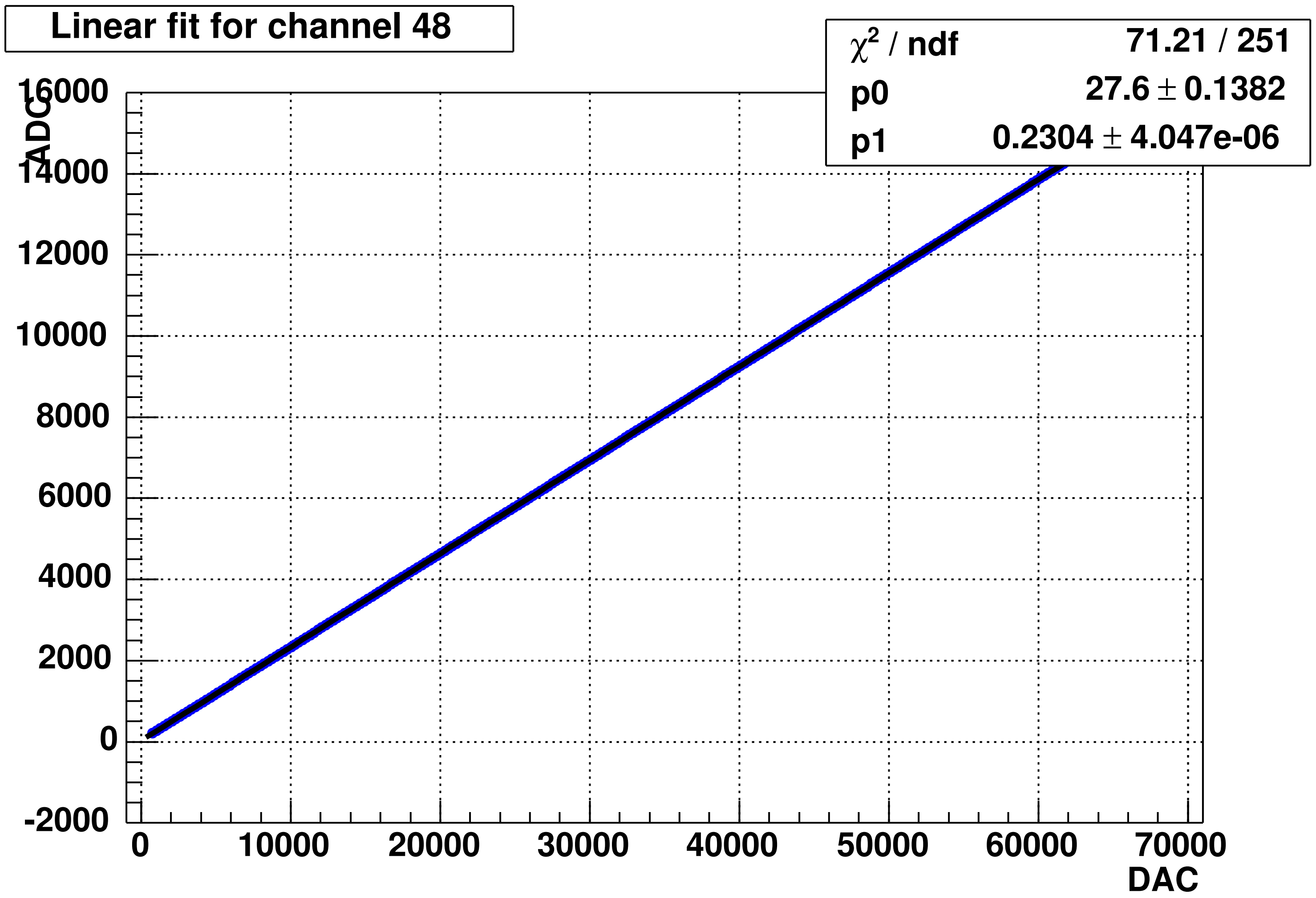
Linear fit for channel 46
χ^2 / ndf 81.68 / 251
p0 -16.14 ± 0.1355
p1 0.2311 ± 3.989e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

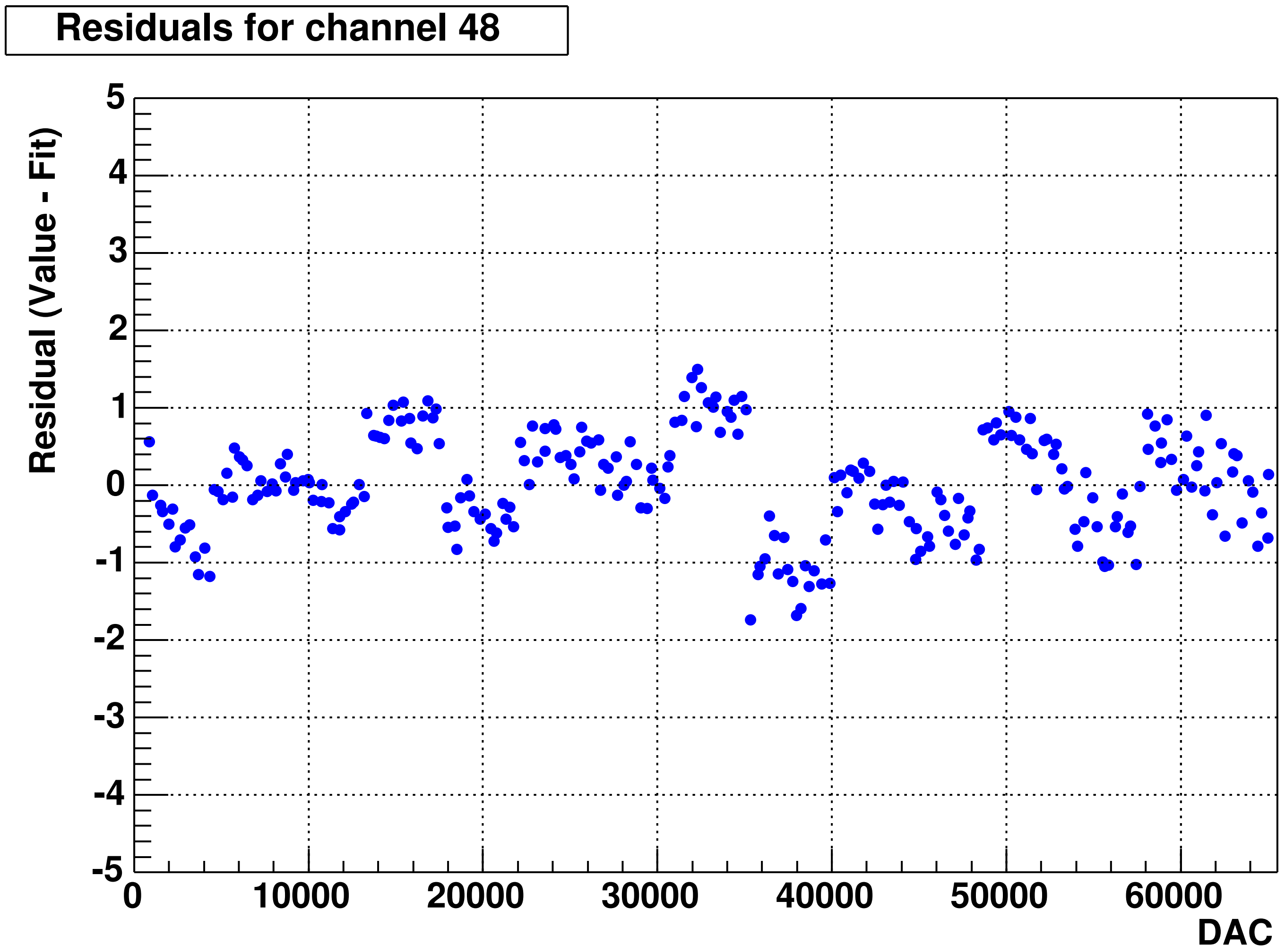

Residuals for channel 46
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



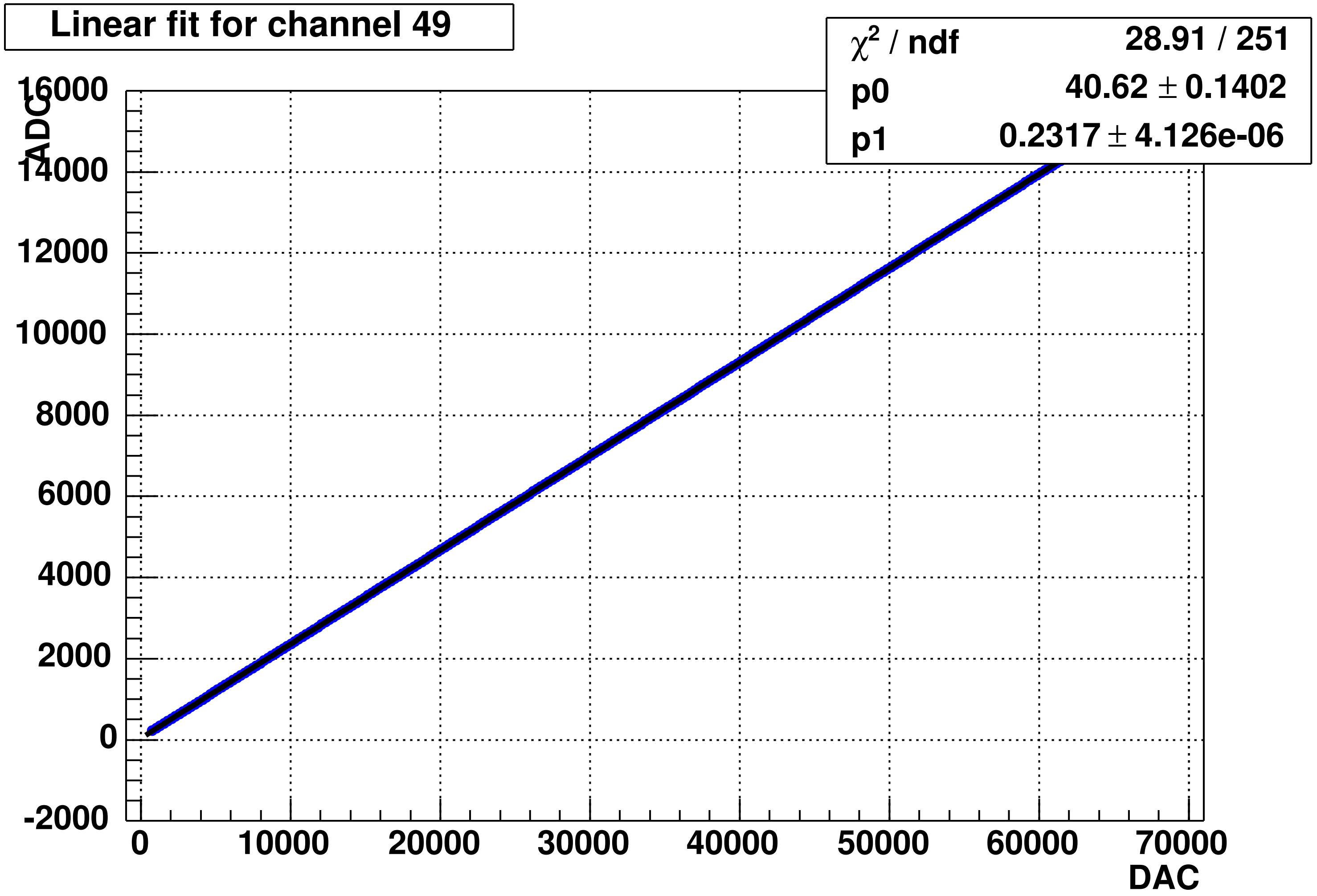
Linear fit for channel 47
χ^2 / ndf 57.83 / 251
p0 22.85 ± 0.1409
p1 0.2305 ± 4.112e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 47
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 48
χ² / ndf 71.21 / 251
p0 27.6 ± 0.1382
p1 0.2304 ± 4.047e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

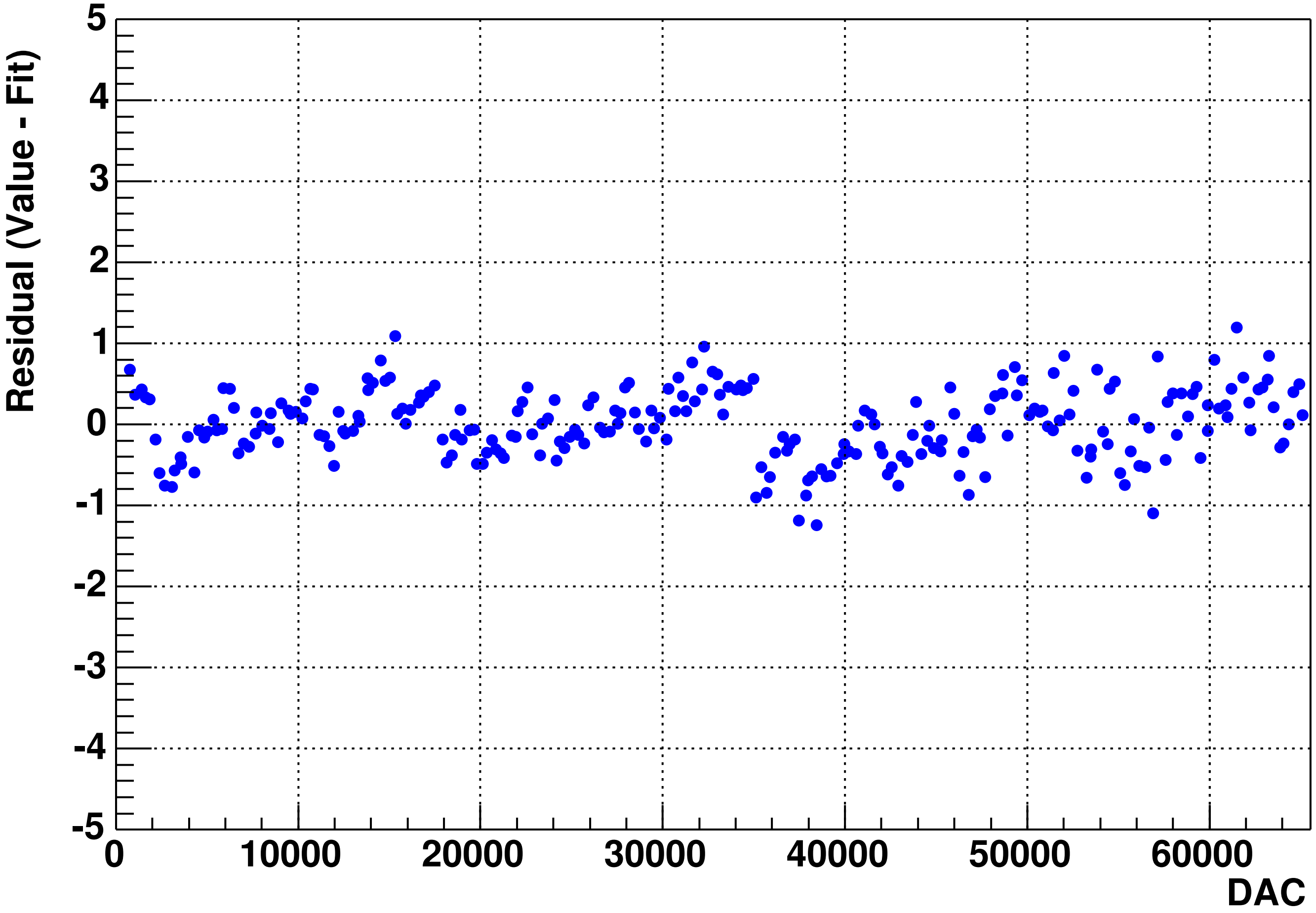


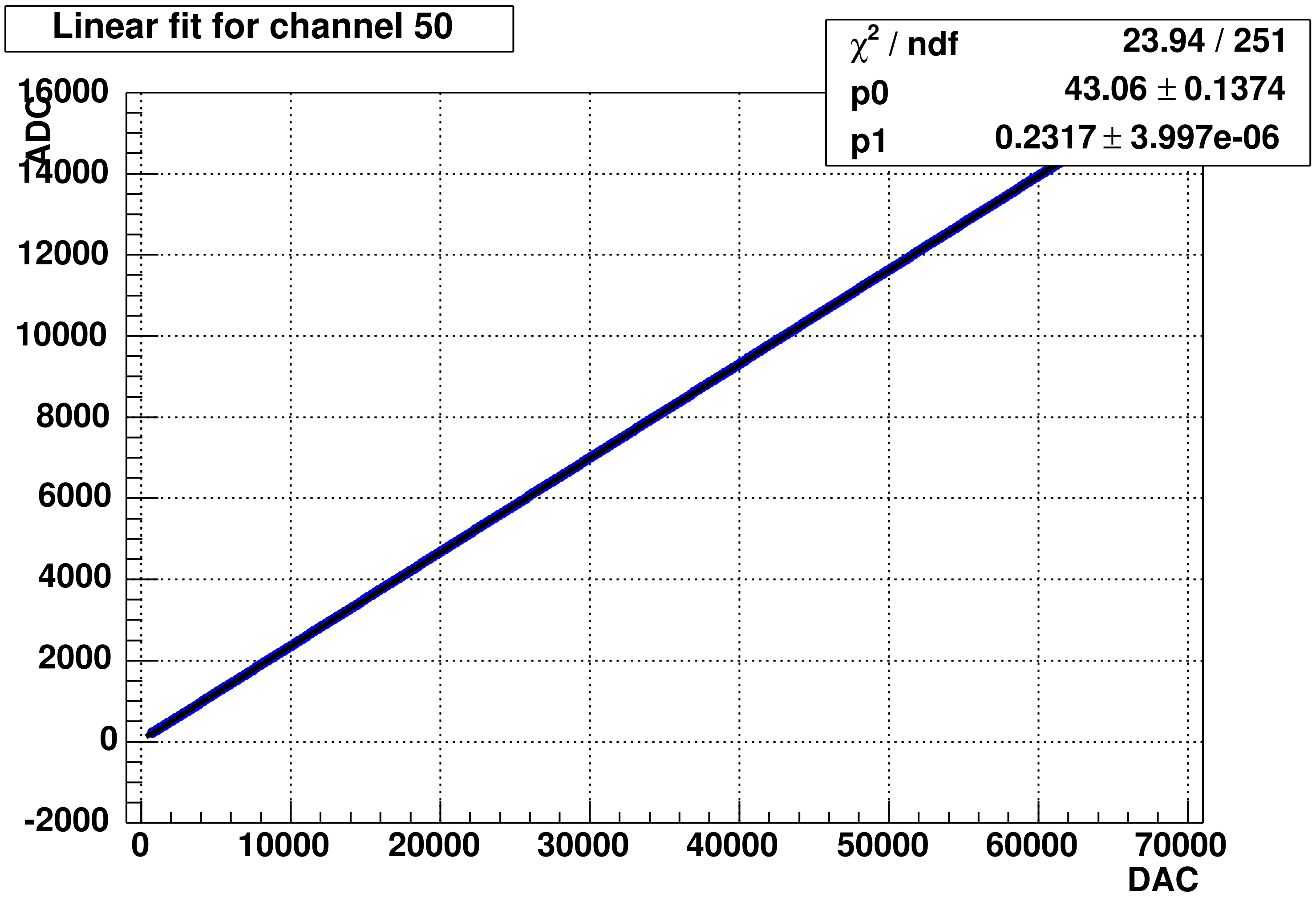
Residuals for channel 48
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



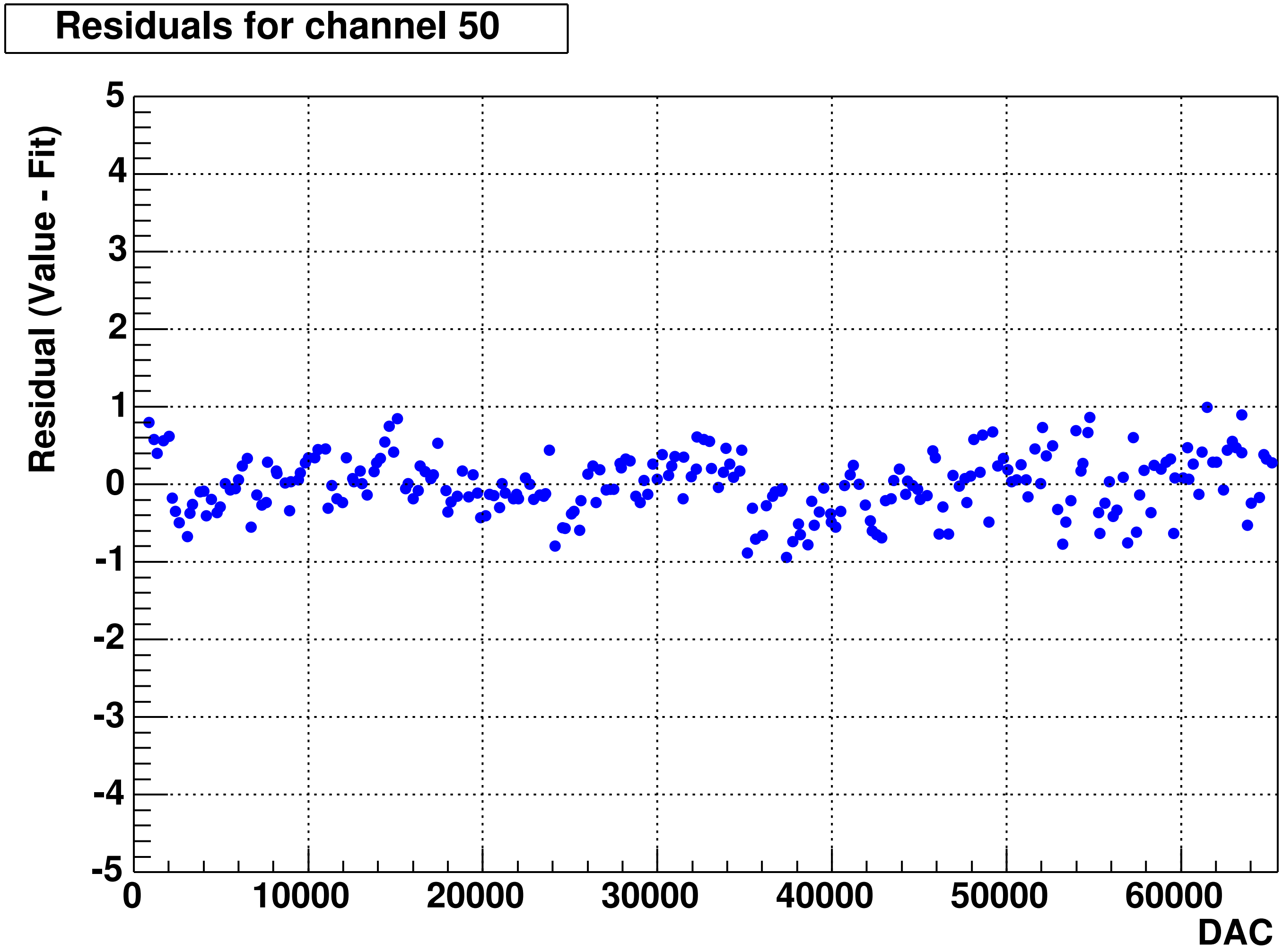
Linear fit for channel 49
χ^2 / ndf 28.91 / 251
p0 40.62 ± 0.1402
p1 0.2317 ± 4.126e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

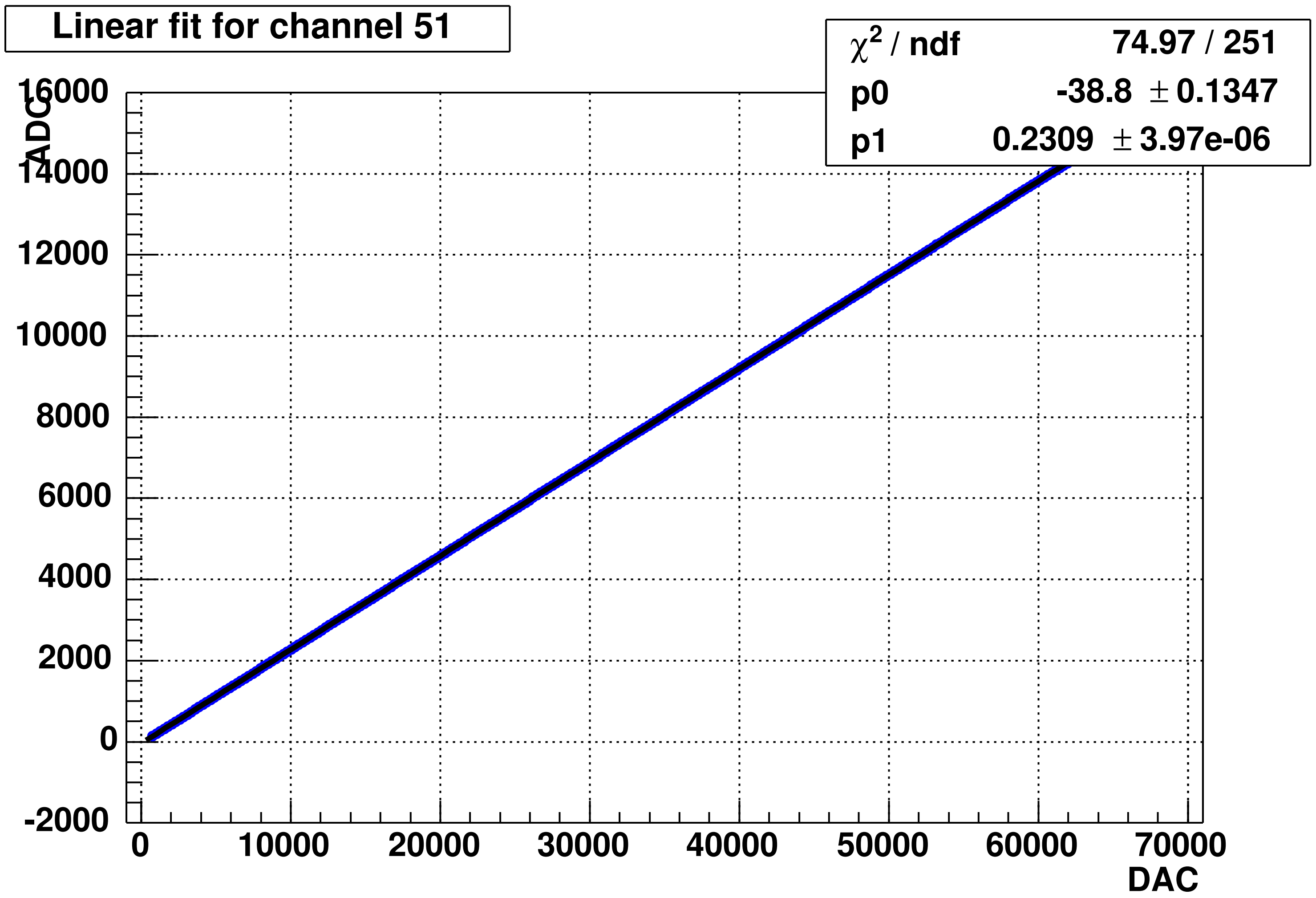
Residuals for channel 49

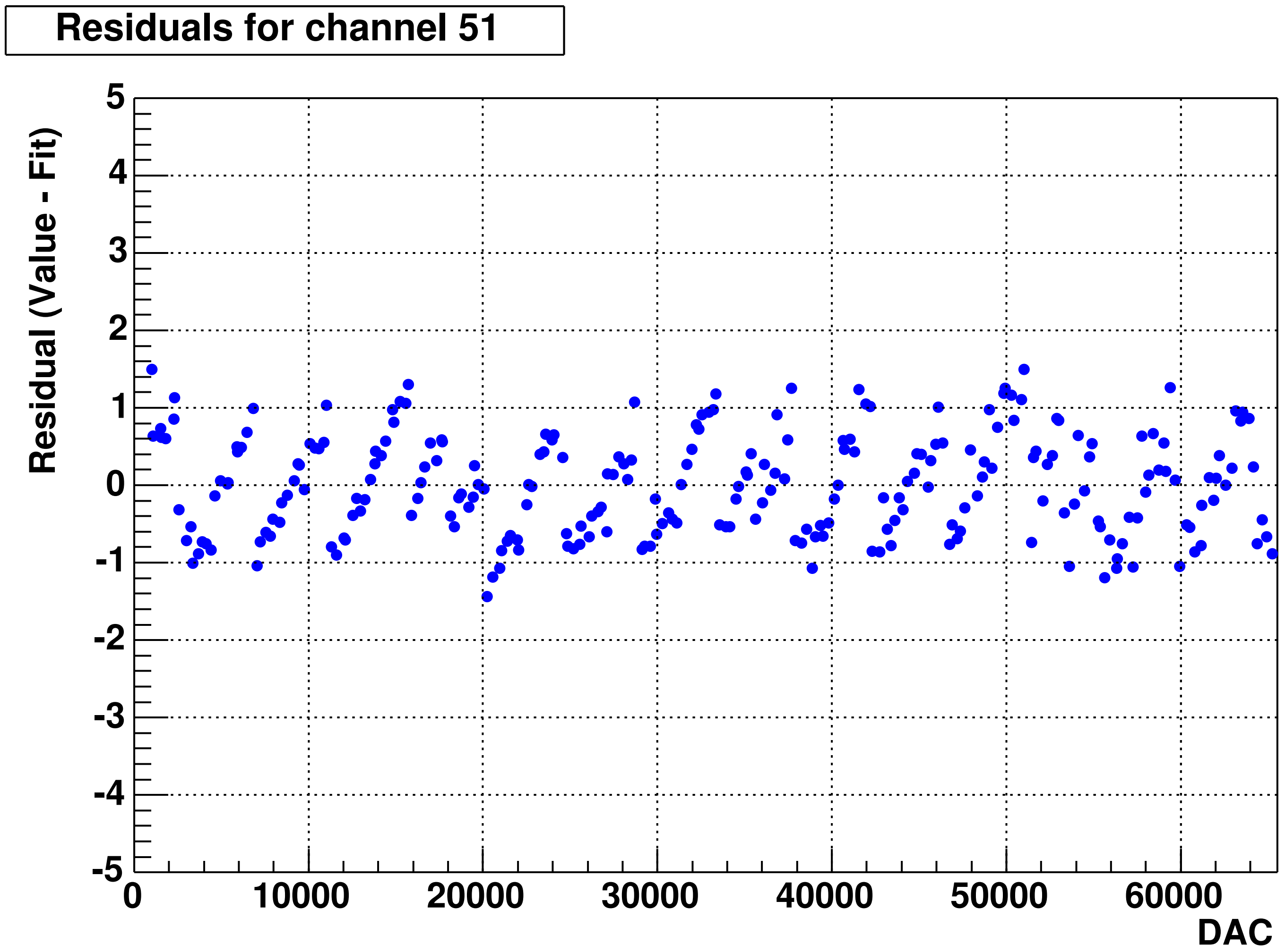




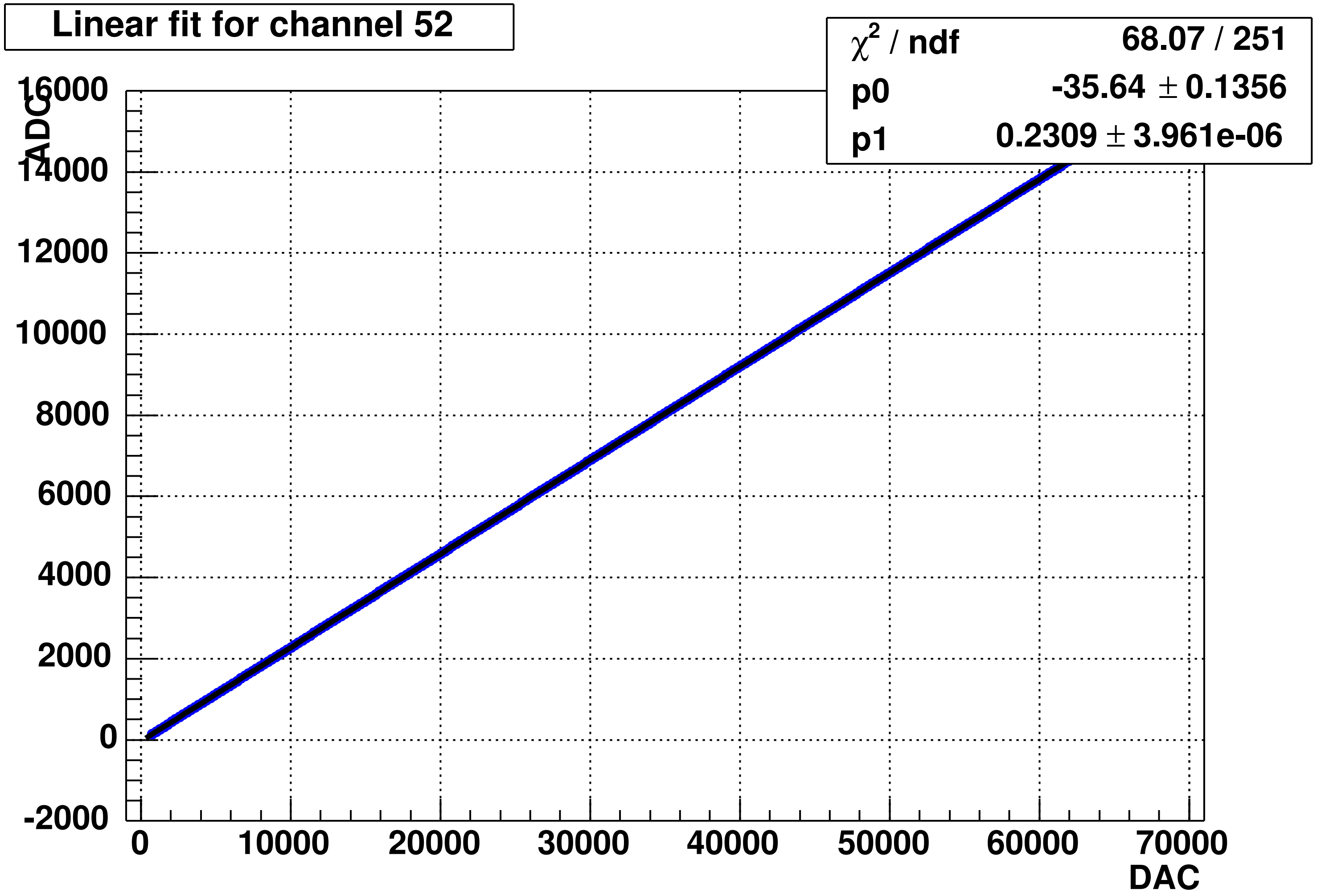
Linear fit for channel 50
χ^2 / ndf 23.94 / 251
p0 43.06 ± 0.1374
p1 0.2317 ± 3.997e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

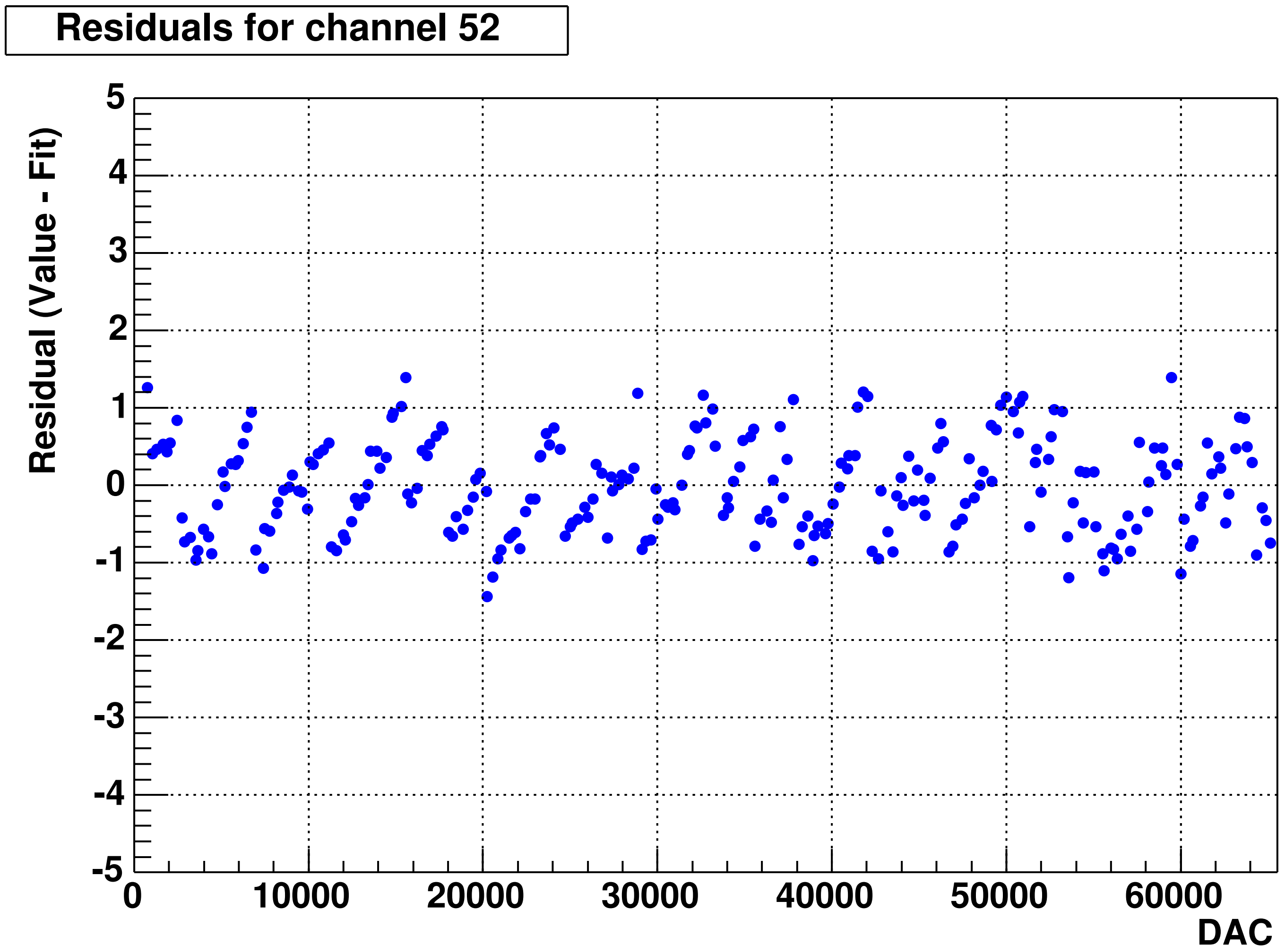

Residuals for channel 50
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000


Linear fit for channel 51
χ^2 / ndf 74.97 / 251
p0 -38.8 ± 0.1347
p1 0.2309 ± 3.97e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

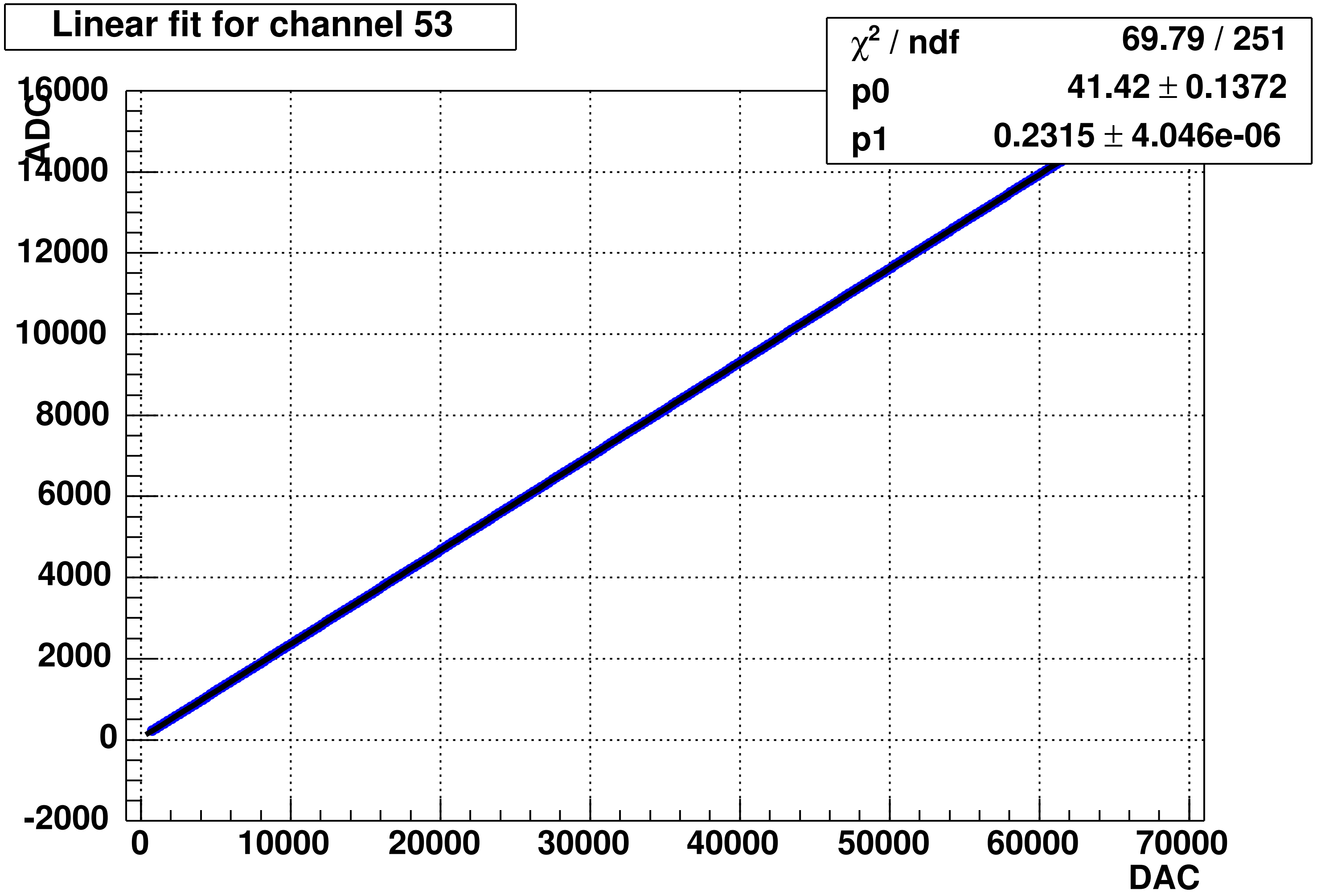


Residuals for channel 51
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

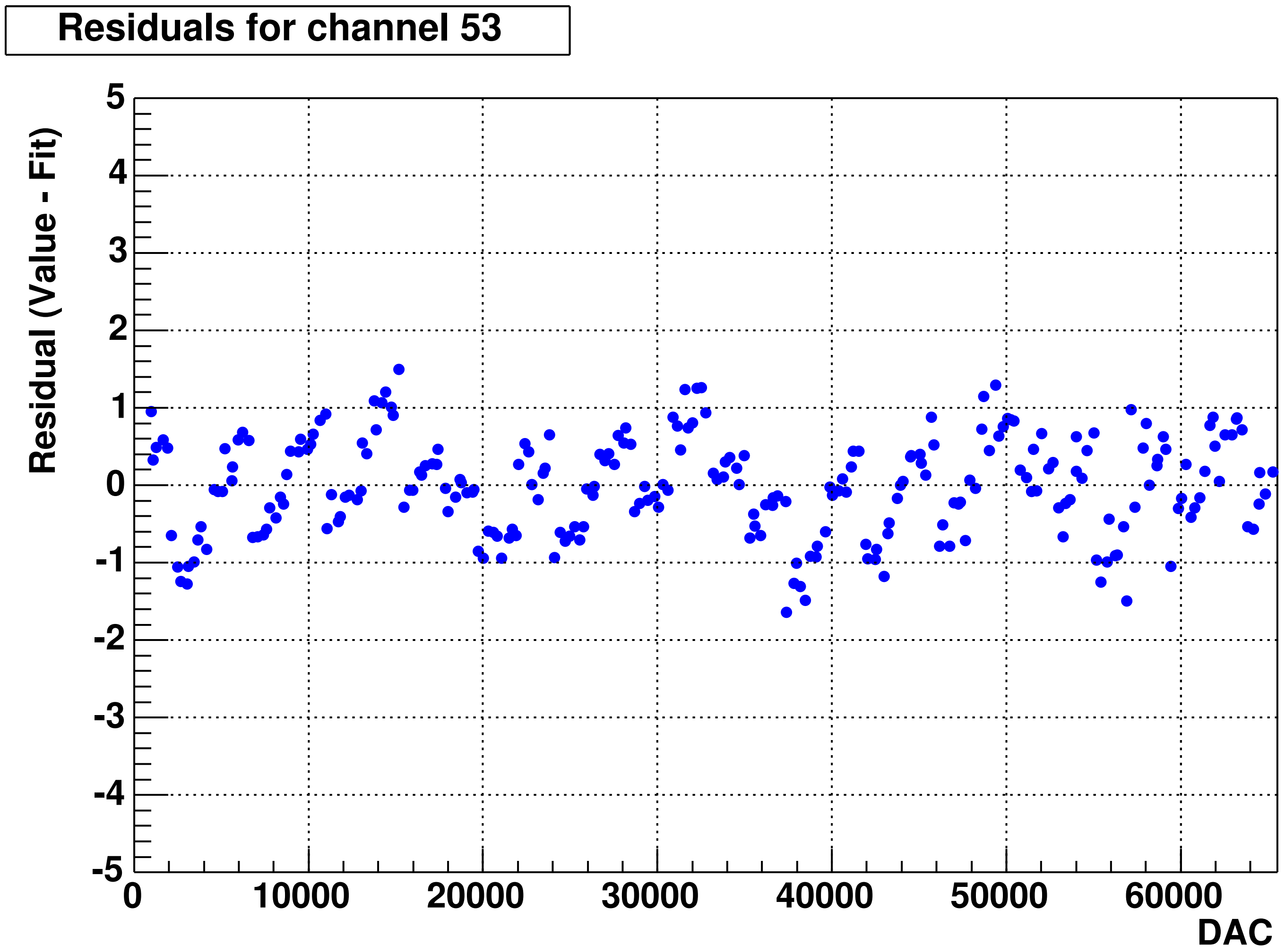

Linear fit for channel 52
χ^2 / ndf 68.07 / 251
p0 -35.64 ± 0.1356
p1 0.2309 ± 3.961e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

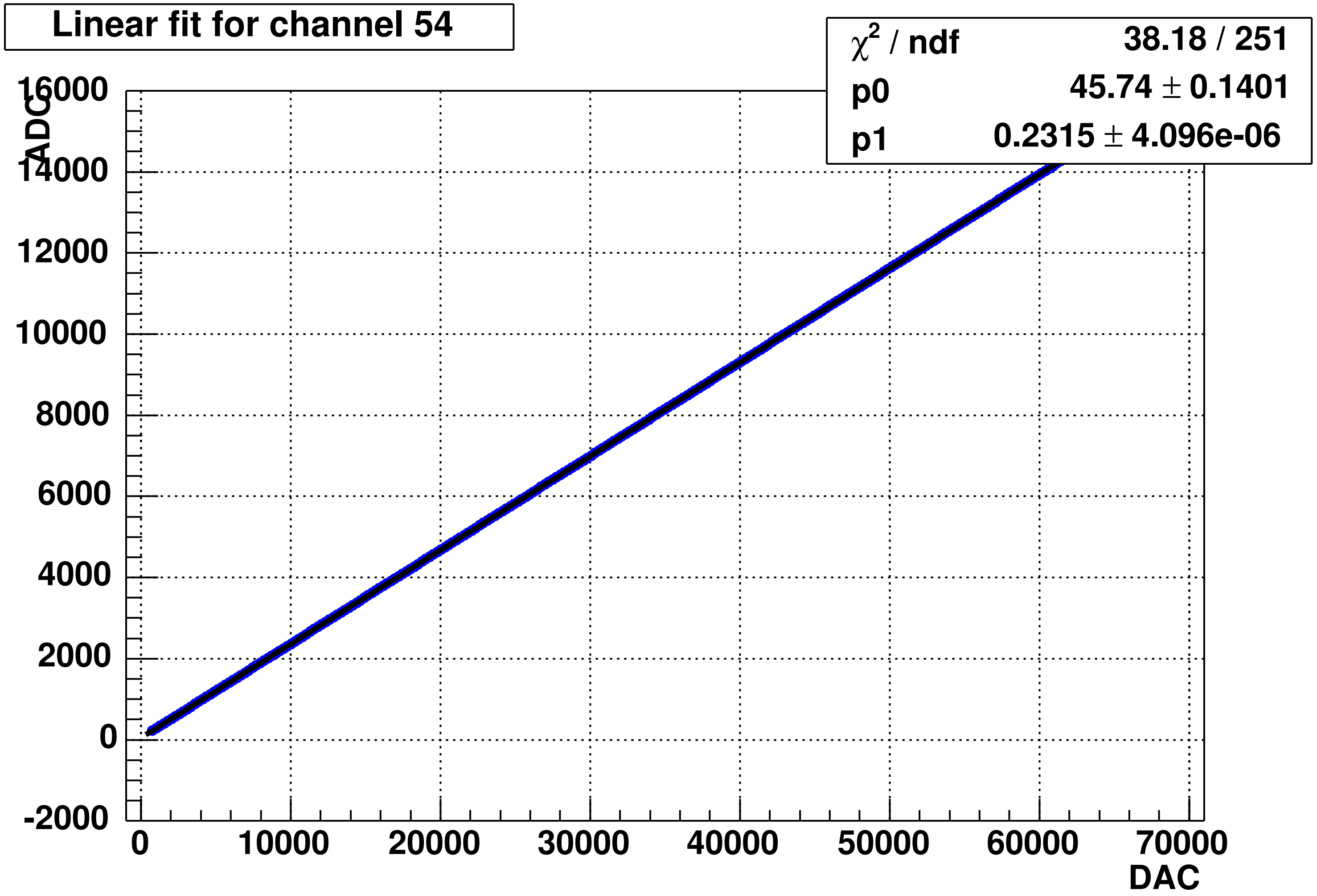


Residuals for channel 52
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

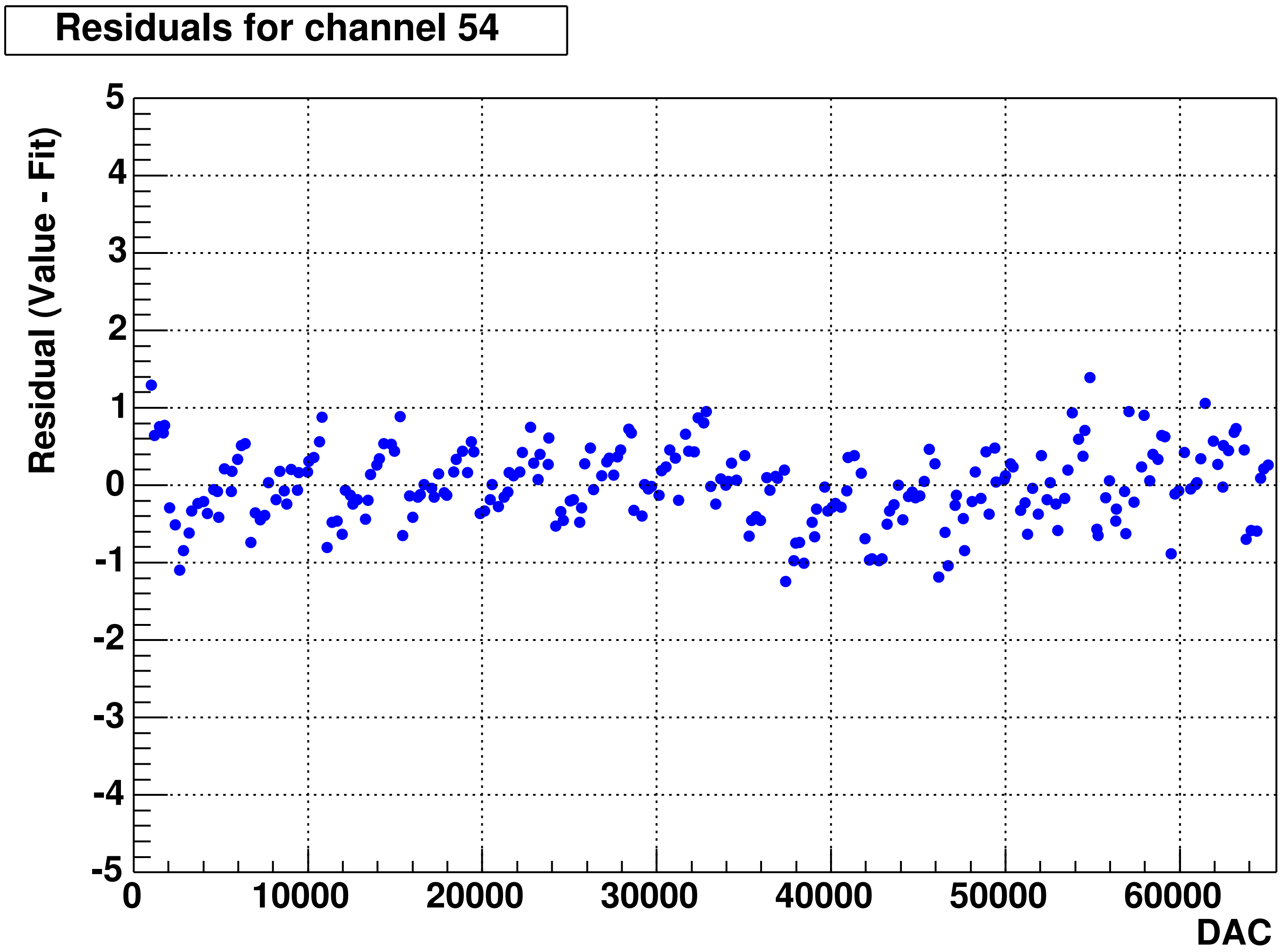


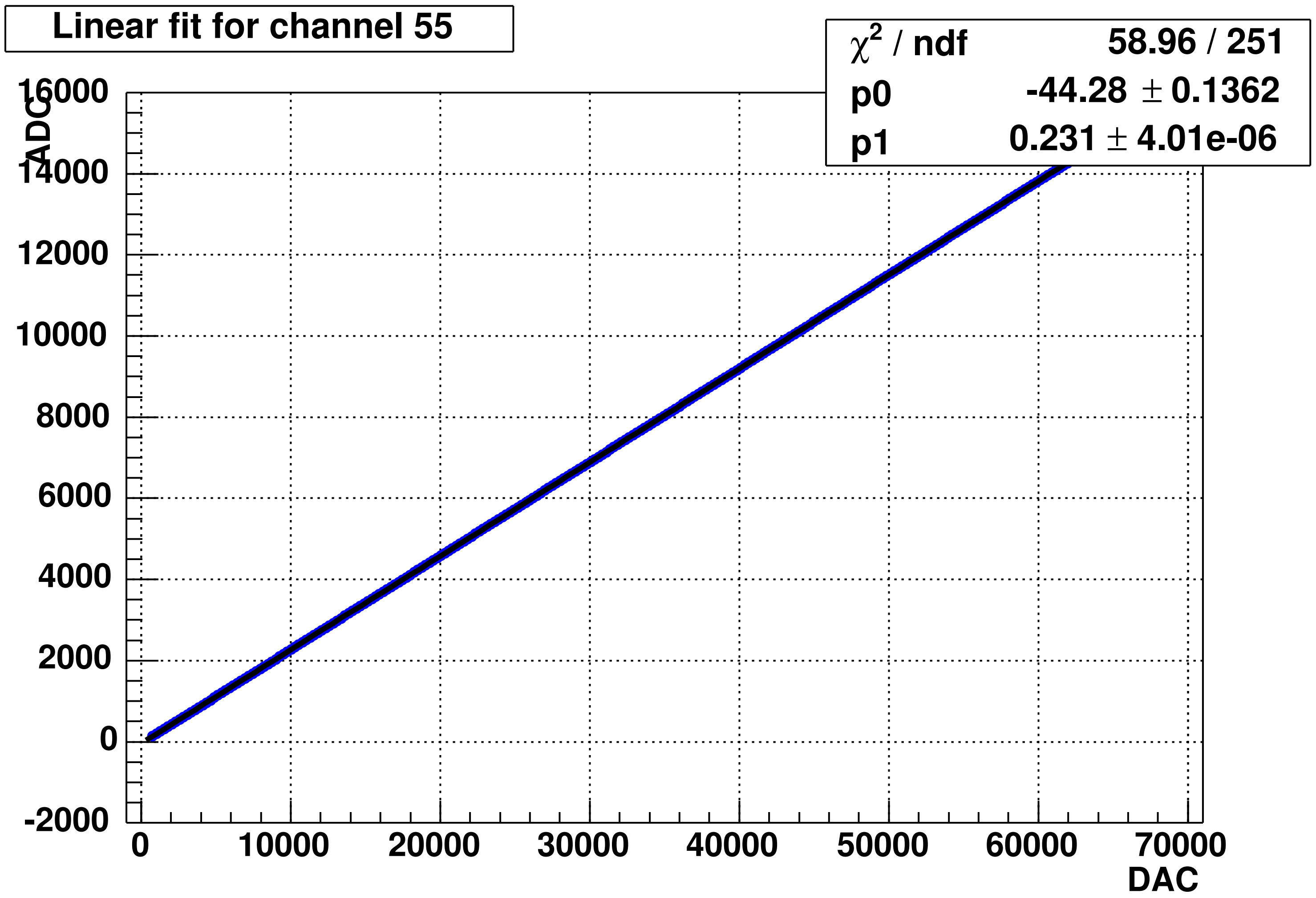
Linear fit for channel 53
χ^2 / ndf 69.79 / 251
p0 41.42 ± 0.1372
p1 0.2315 ± 4.046e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 53
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

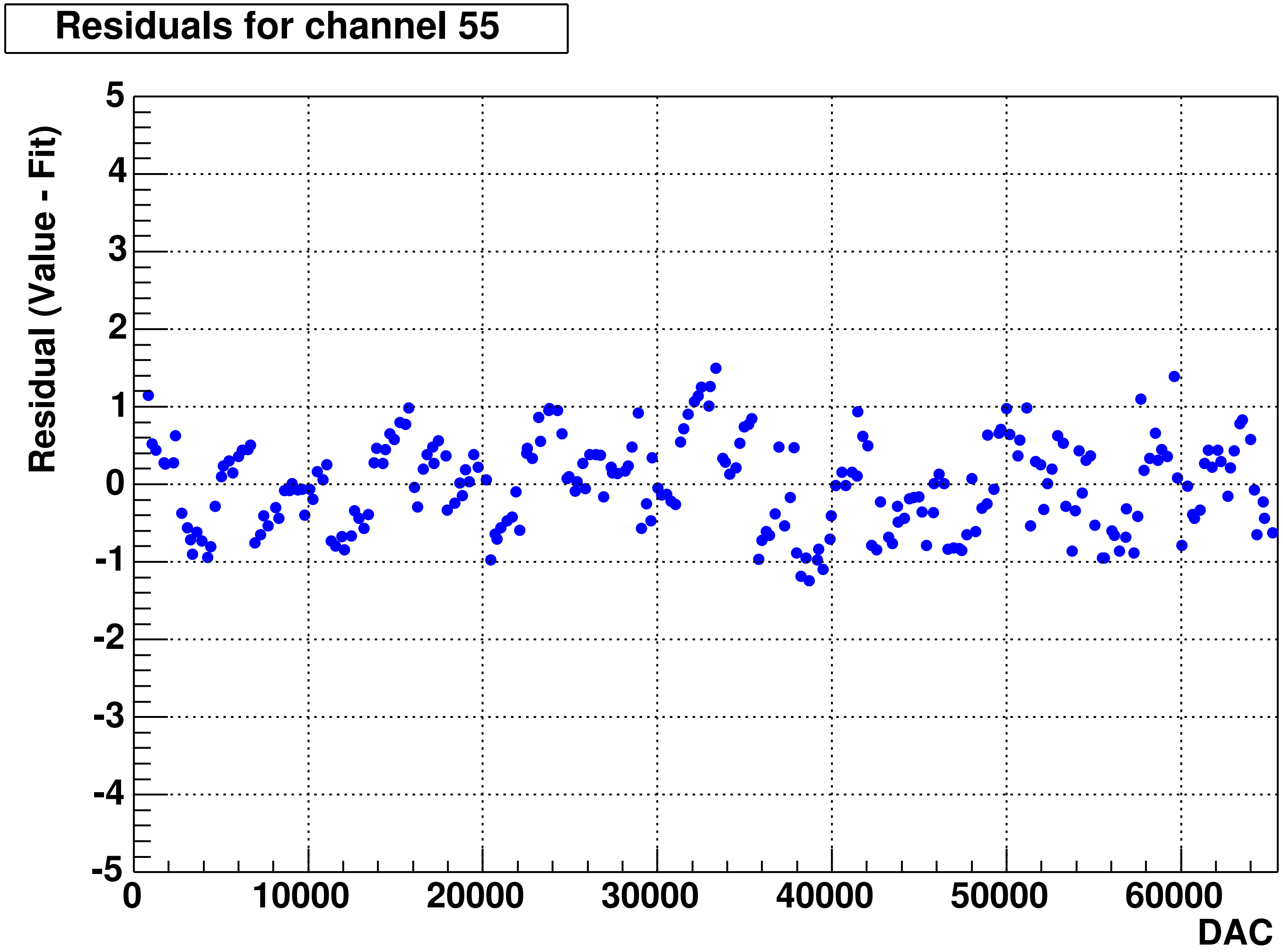


Linear fit for channel 54
χ^2 / ndf 38.18 / 251
p0 45.74 ± 0.1401
p1 0.2315 ± 4.096e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

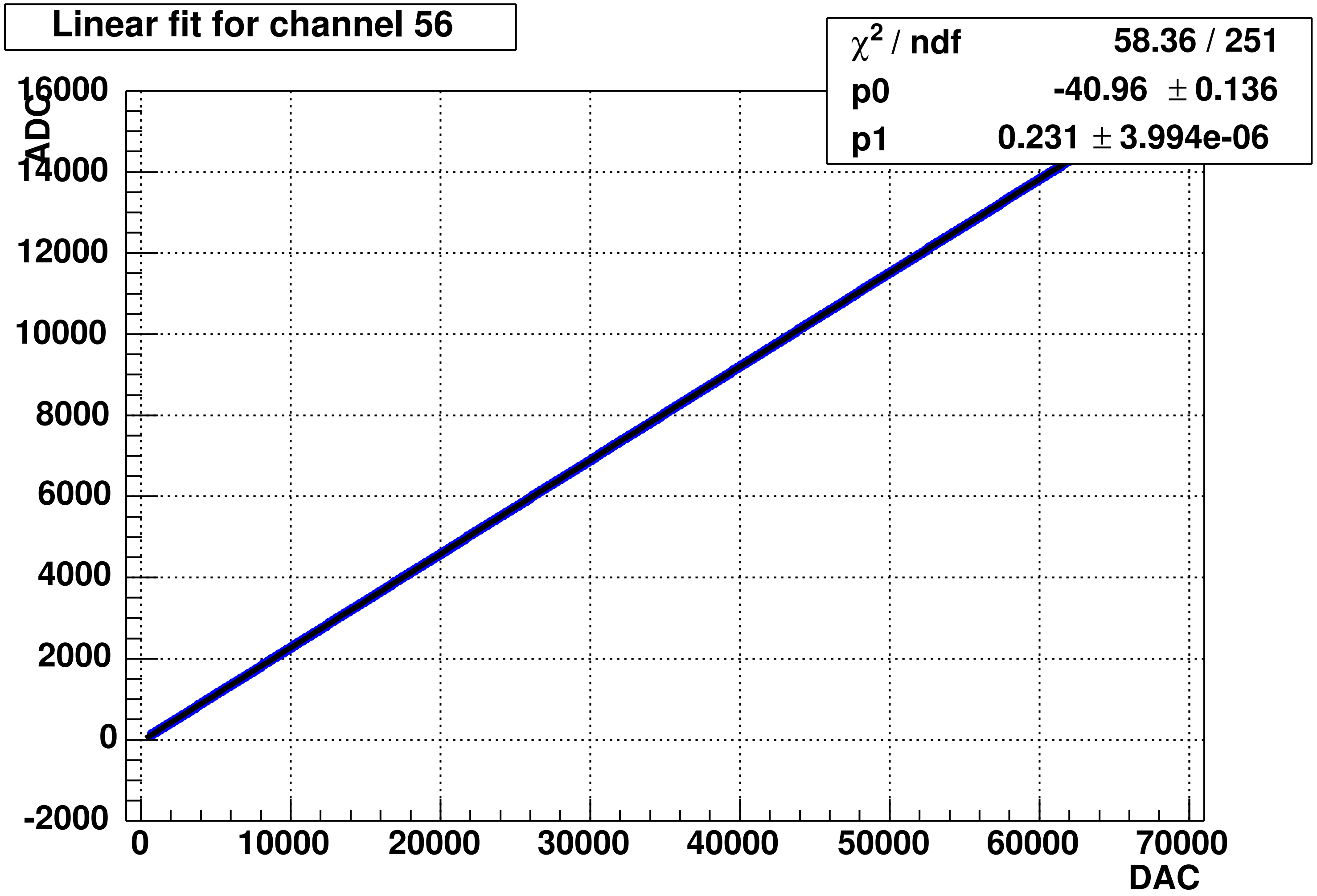

Residuals for channel 54
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



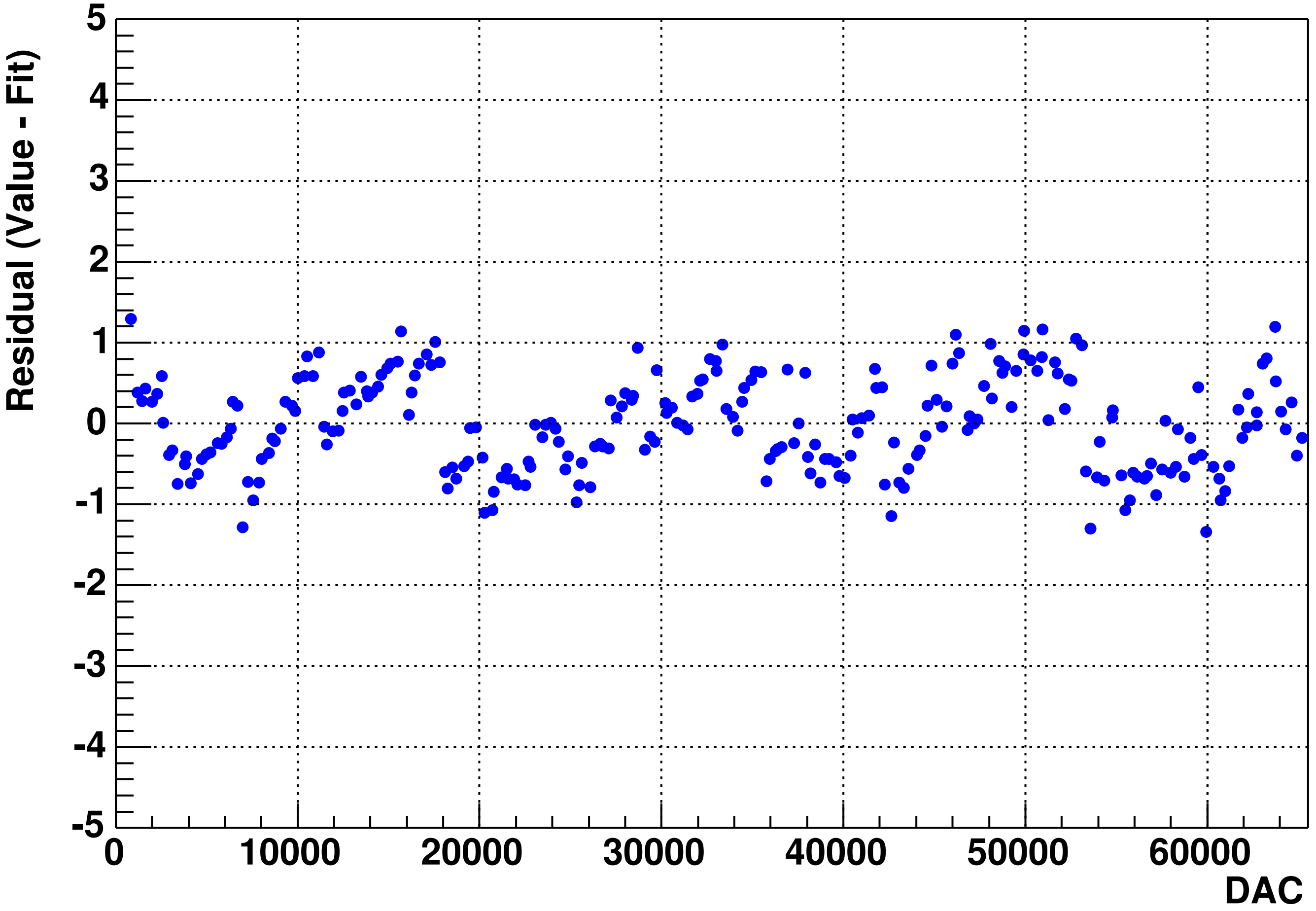
Linear fit for channel 55
χ² / ndf 58.96 / 251
p0 -44.28 ± 0.1362
p1 0.231 ± 4.01e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

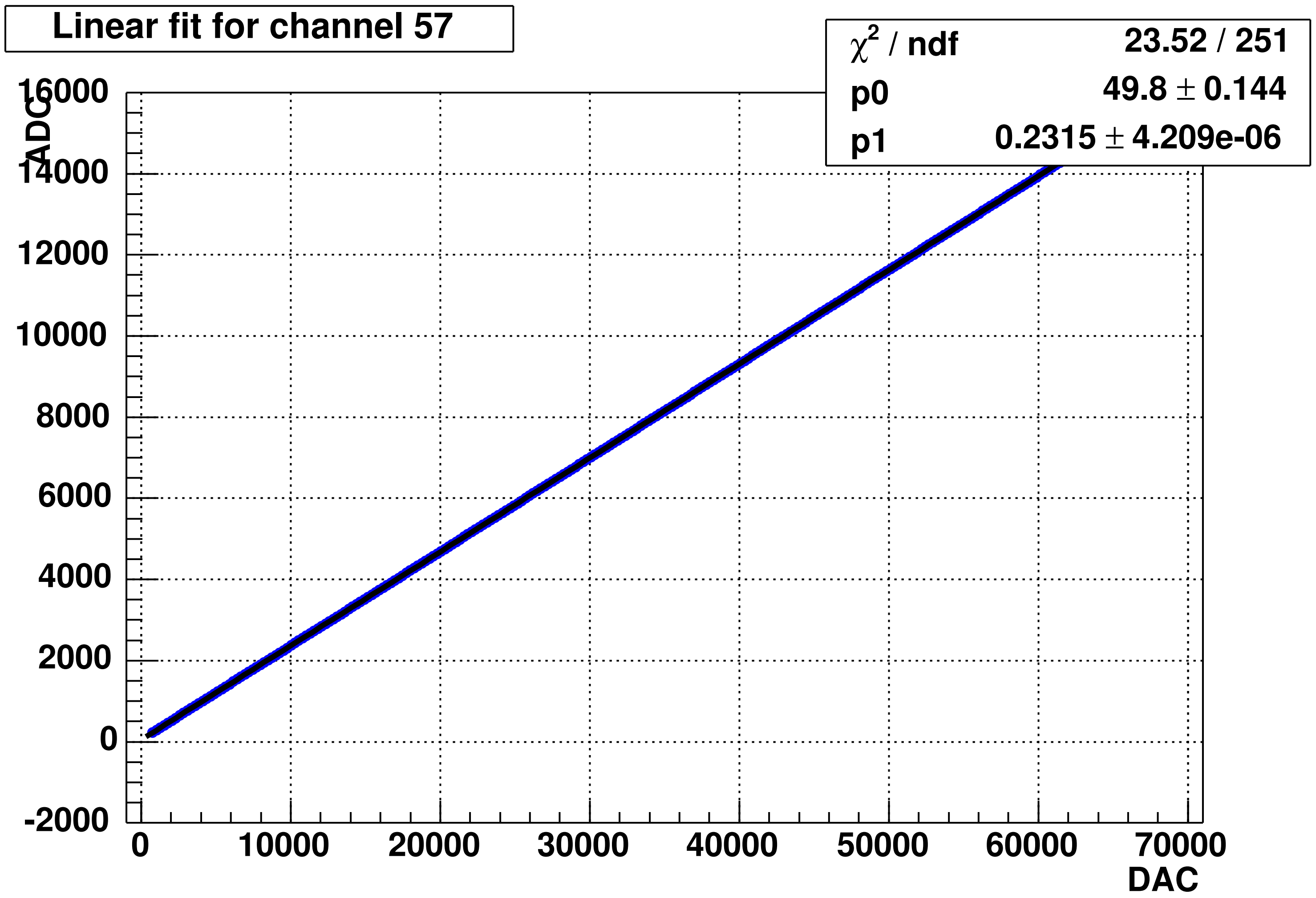


Residuals for channel 55
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

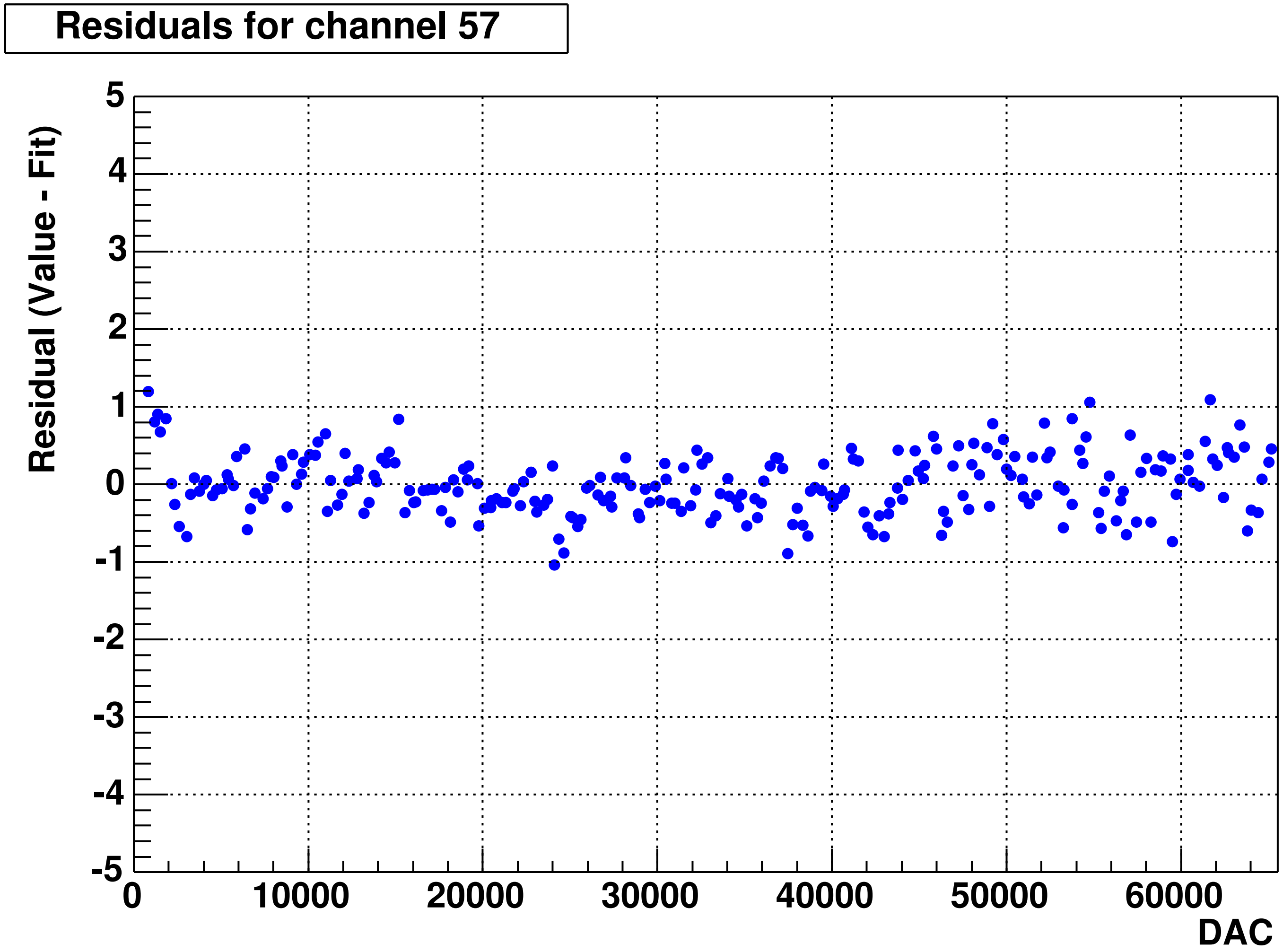

Linear fit for channel 56
χ^2 / ndf 58.36 / 251
p0 -40.96 ± 0.136
p1 0.231 ± 3.994e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

Residuals for channel 56

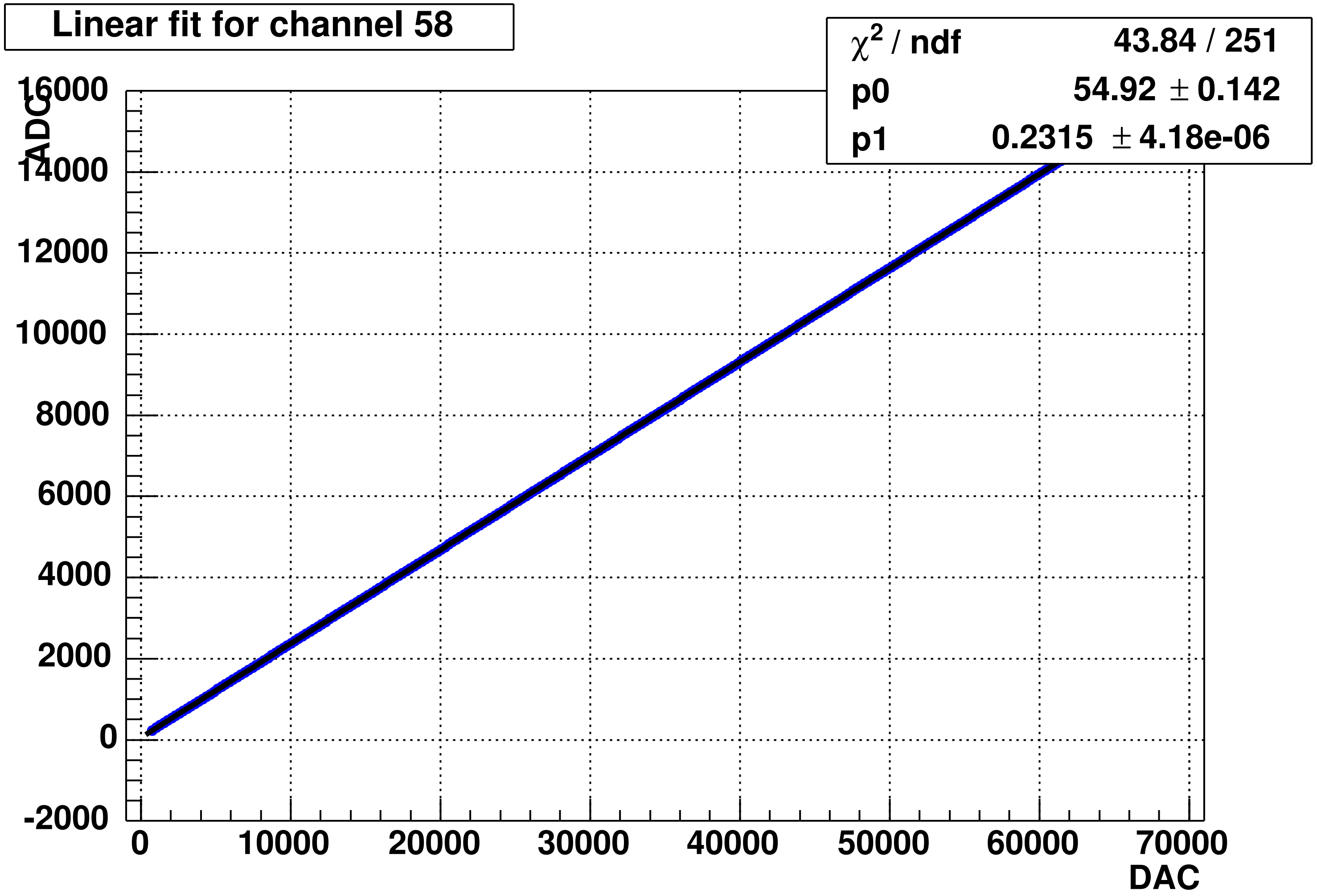




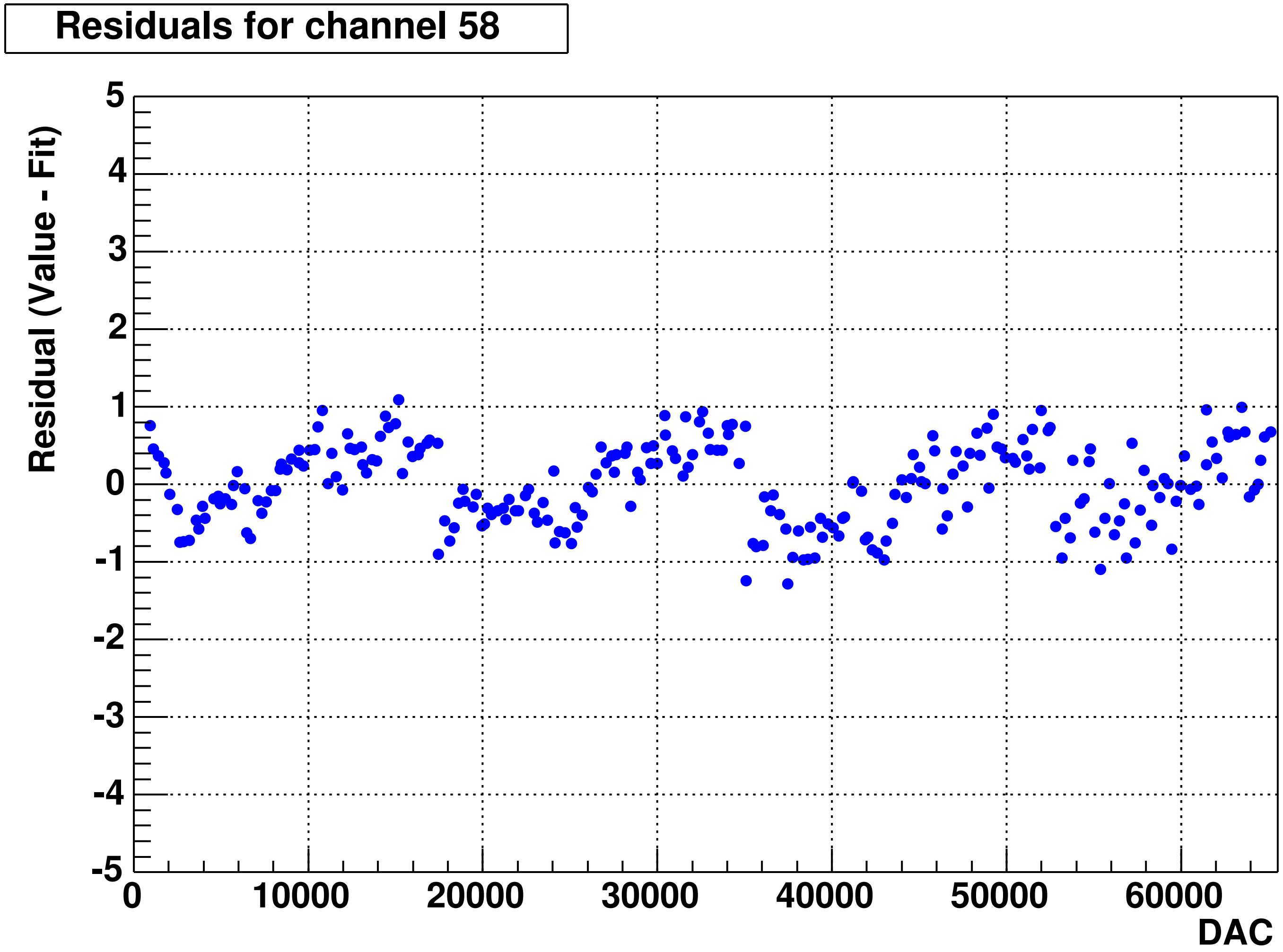
Linear fit for channel 57
χ^2 / ndf 23.52 / 251
p0 49.8 ± 0.144
p1 0.2315 ± 4.209e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



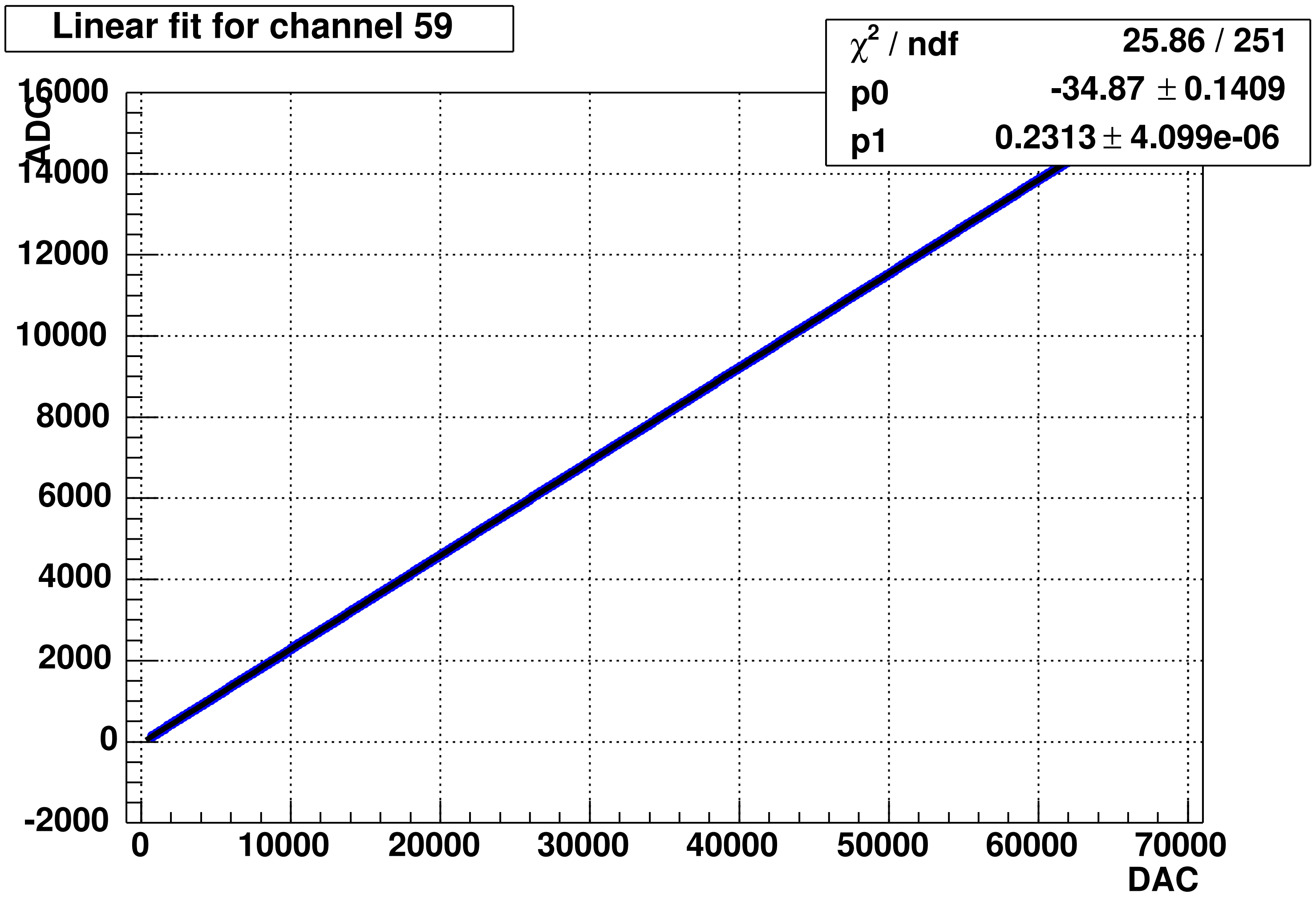
Residuals for channel 57
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



Linear fit for channel 58
χ² / ndf 43.84 / 251
p0 54.92 ± 0.142
p1 0.2315 ± 4.18e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

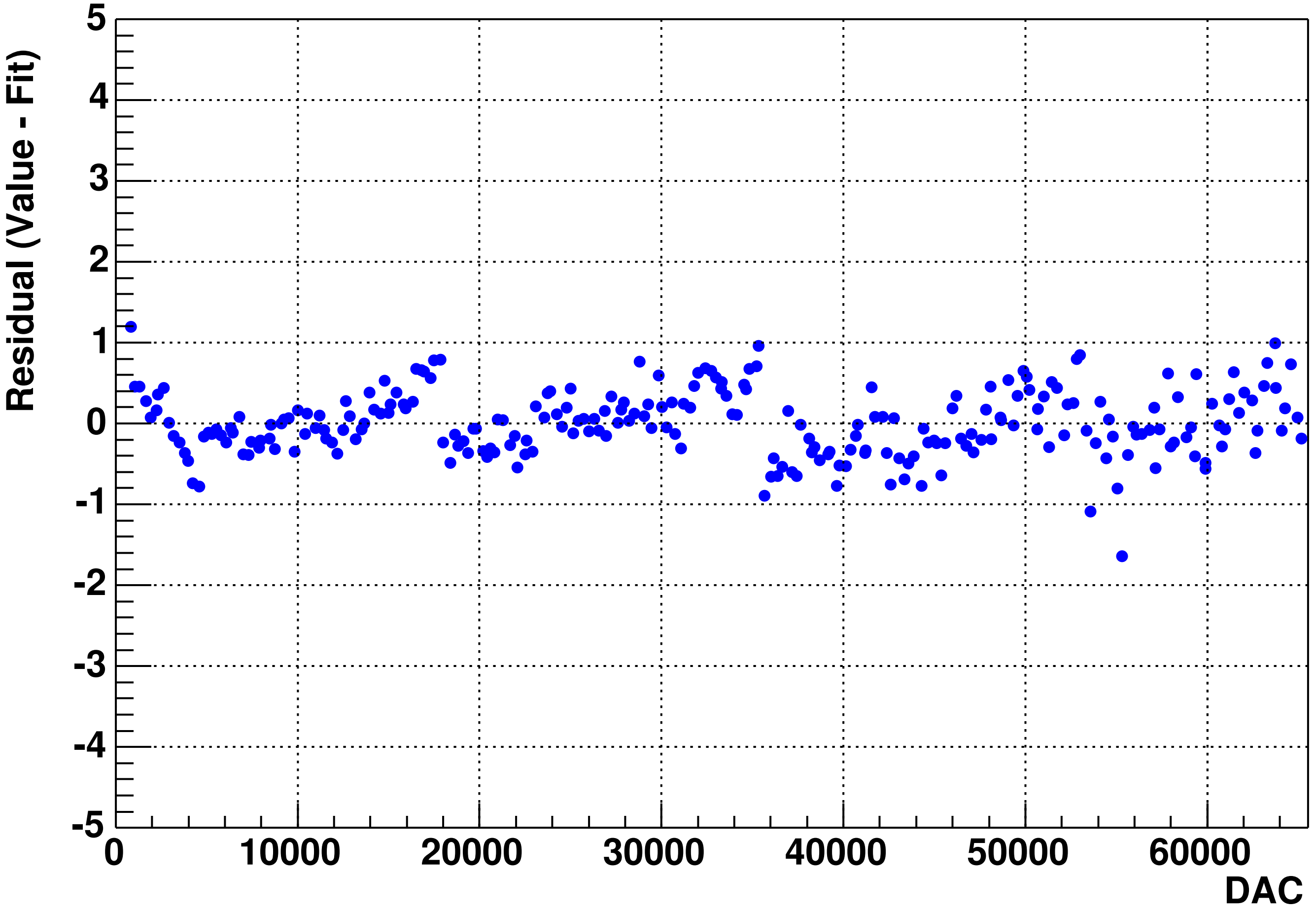


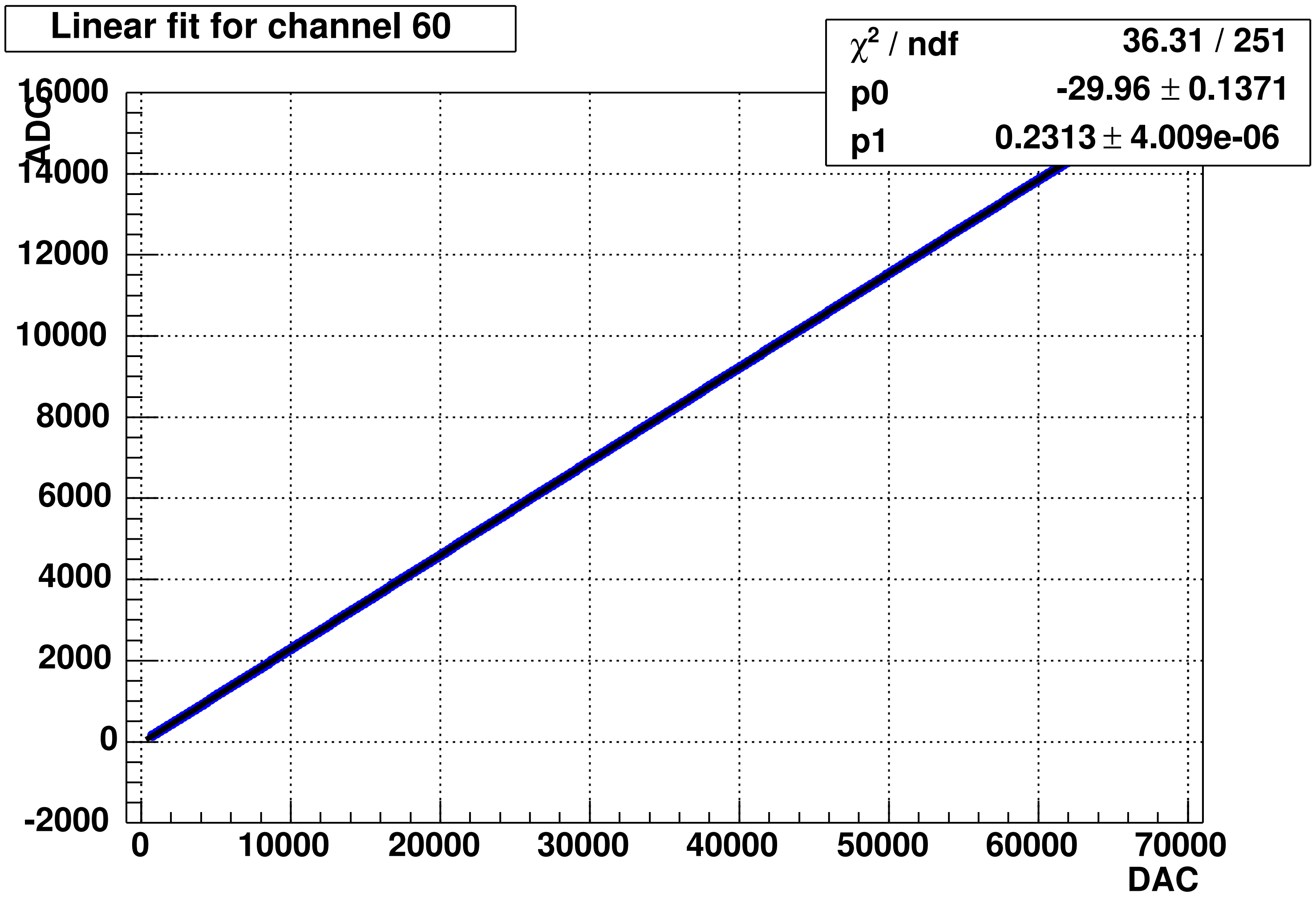
Residuals for channel 58
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



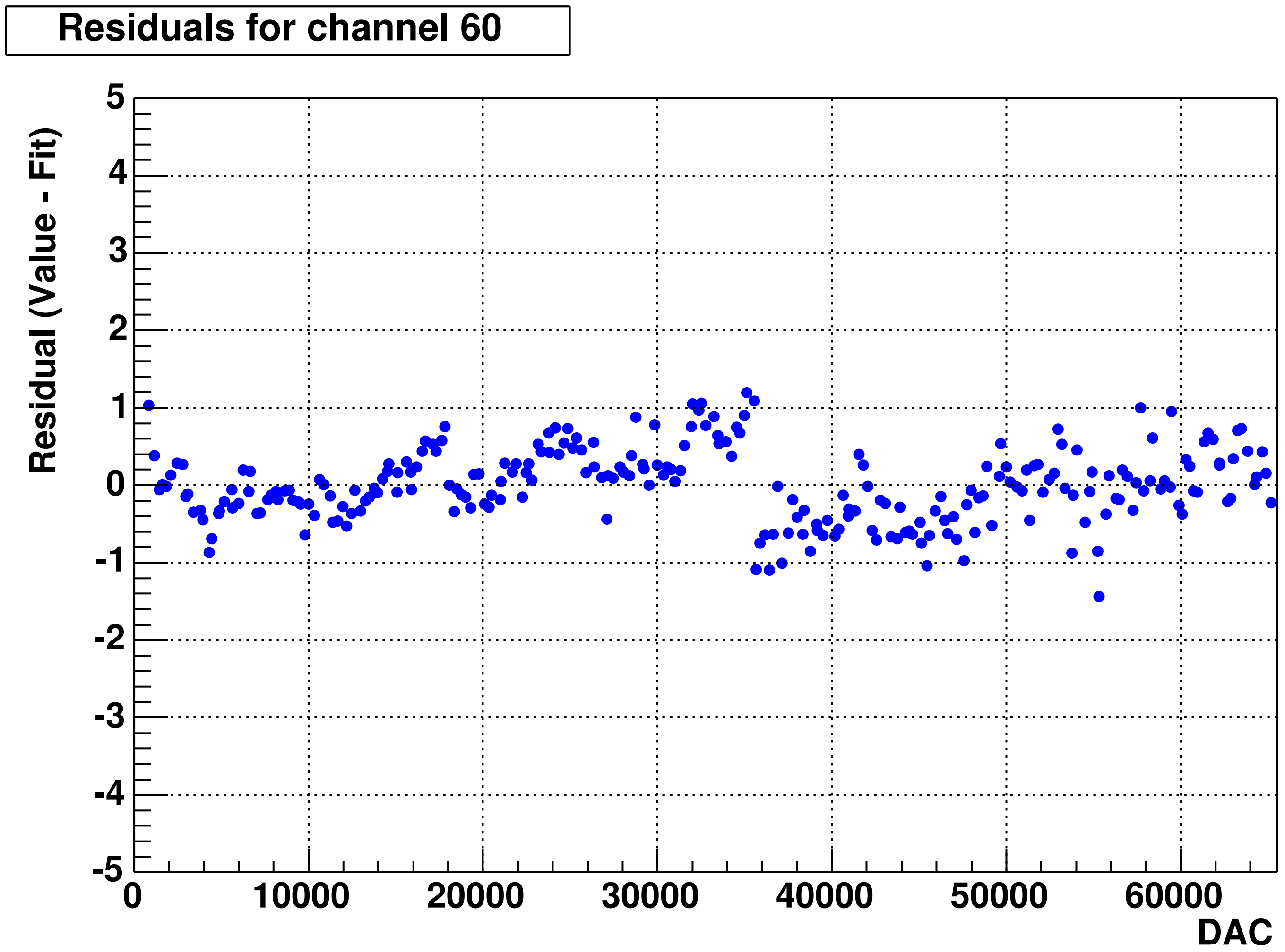
Linear fit for channel 59
χ^2 / ndf 25.86 / 251
p0 -34.87 ± 0.1409
p1 0.2313 ± 4.099e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

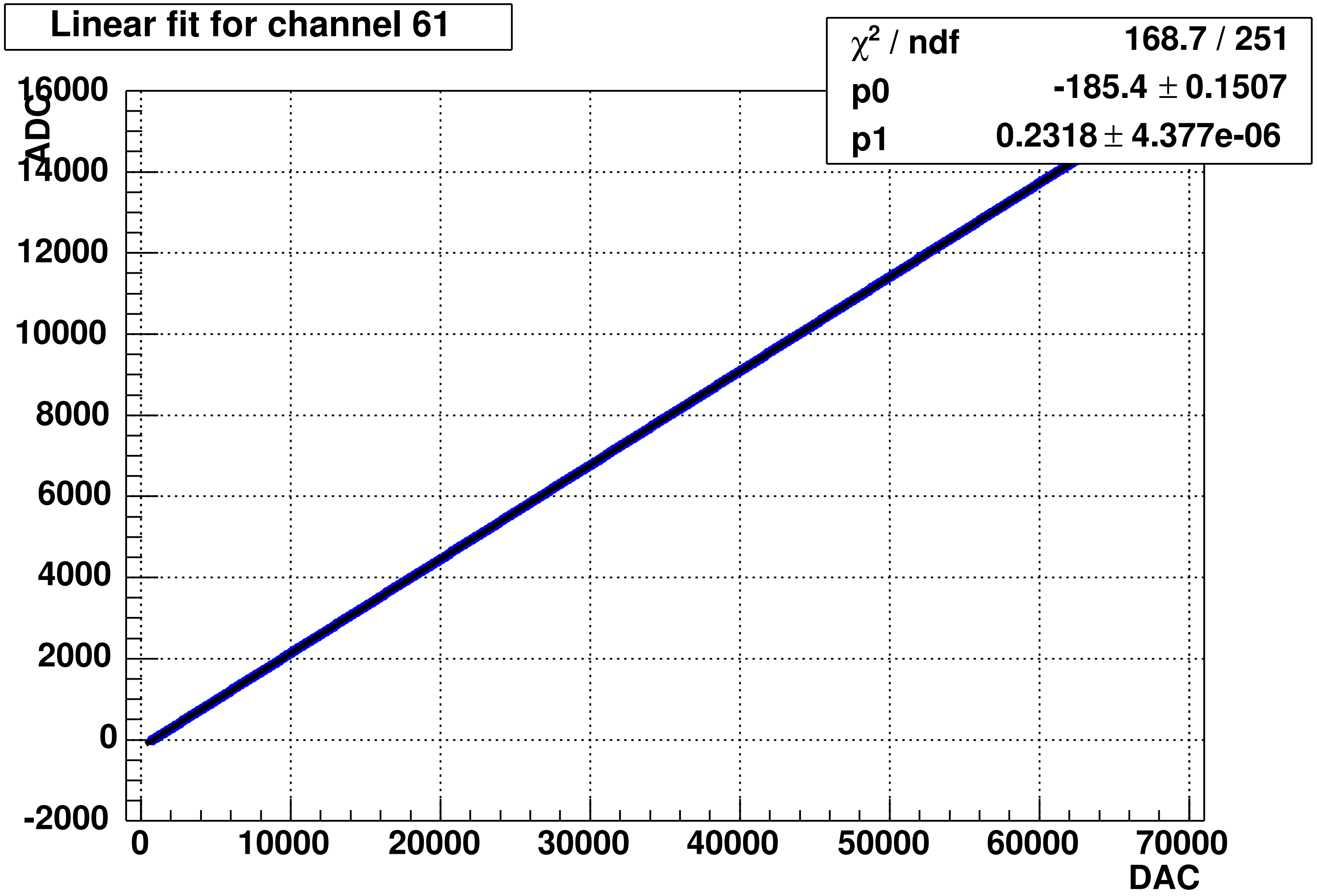
Residuals for channel 59



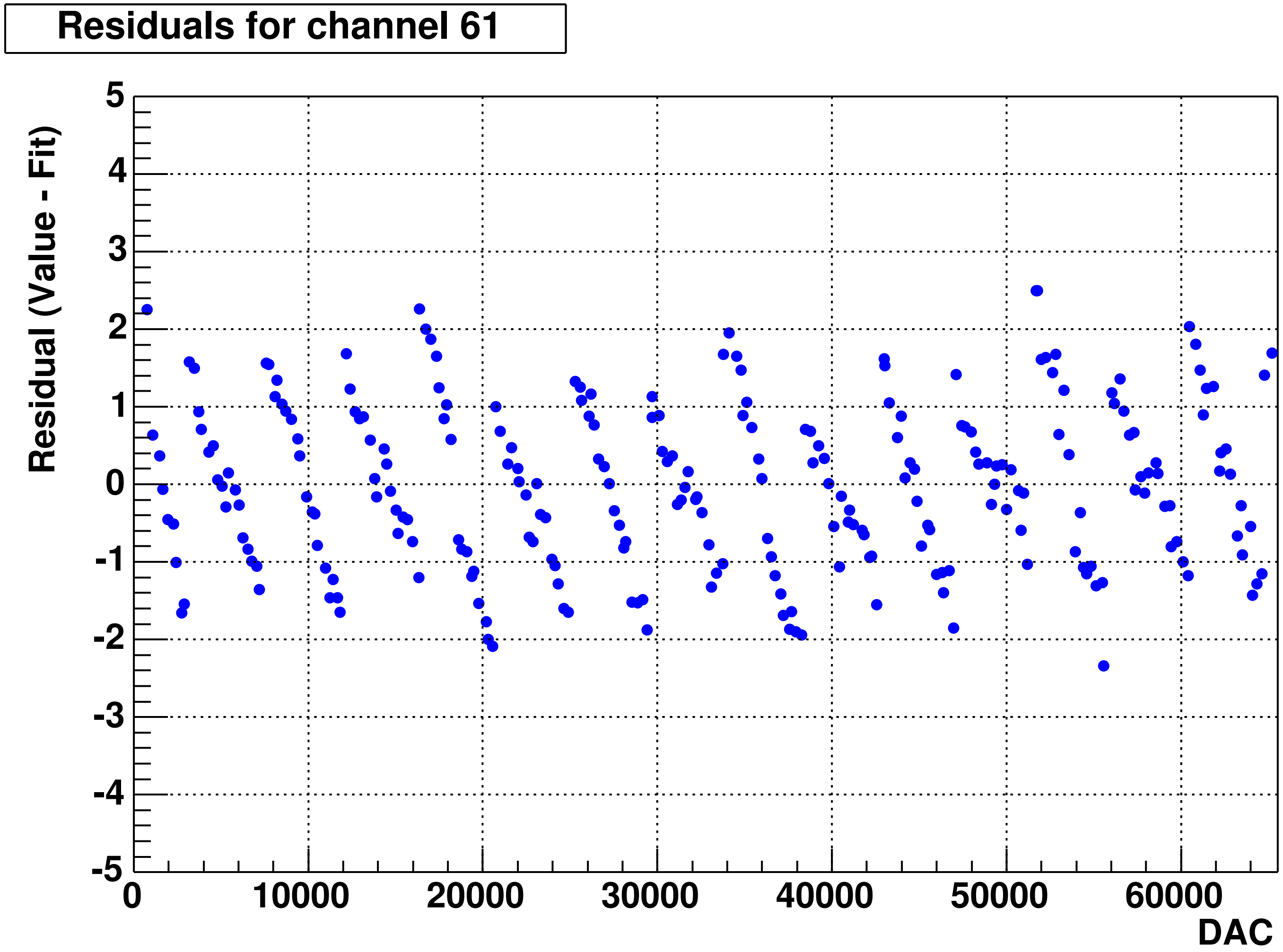


Linear fit for channel 60
χ^2 / ndf 36.31 / 251
p0 -29.96 ± 0.1371
p1 0.2313 ± 4.009e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

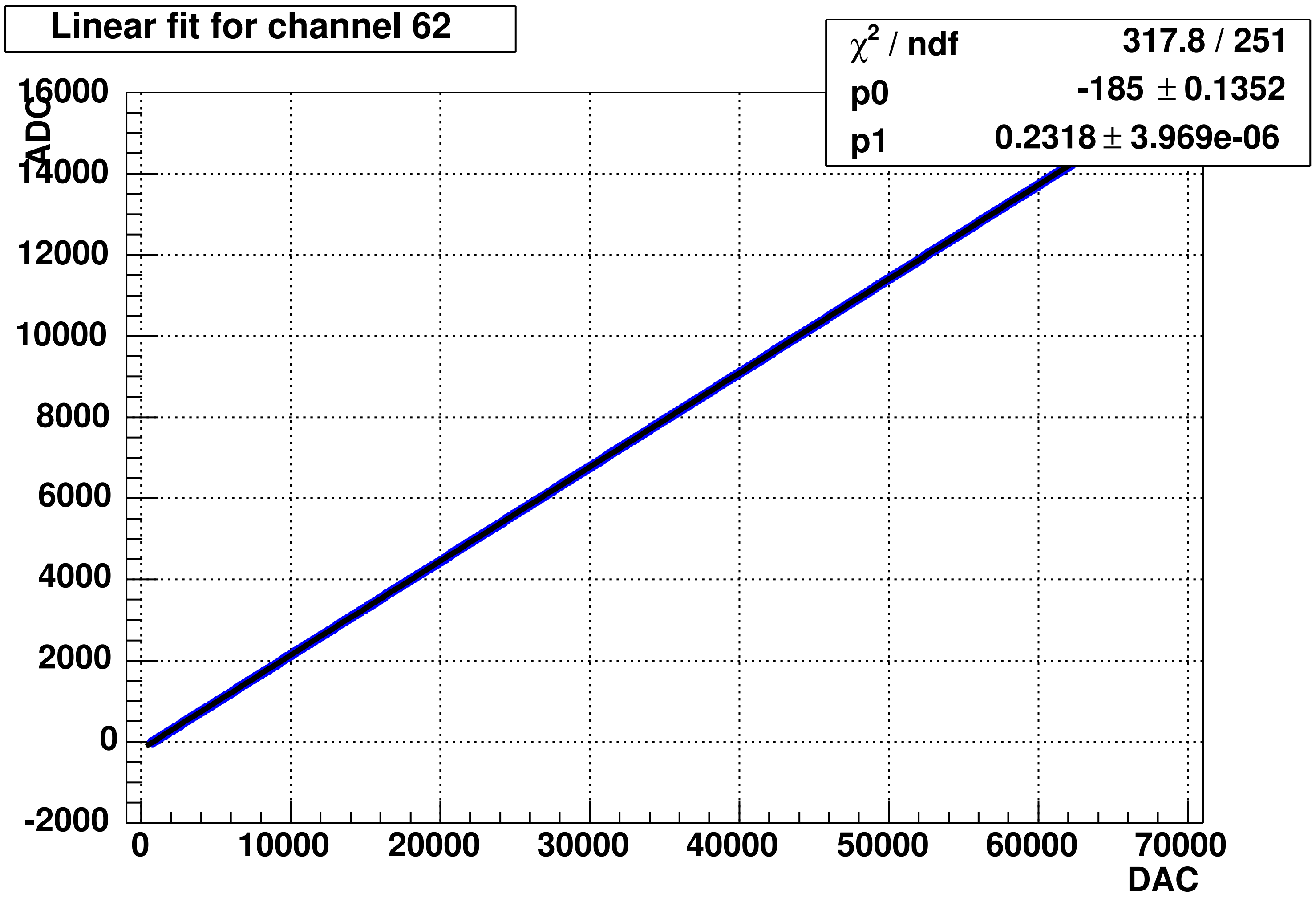

Residuals for channel 60
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



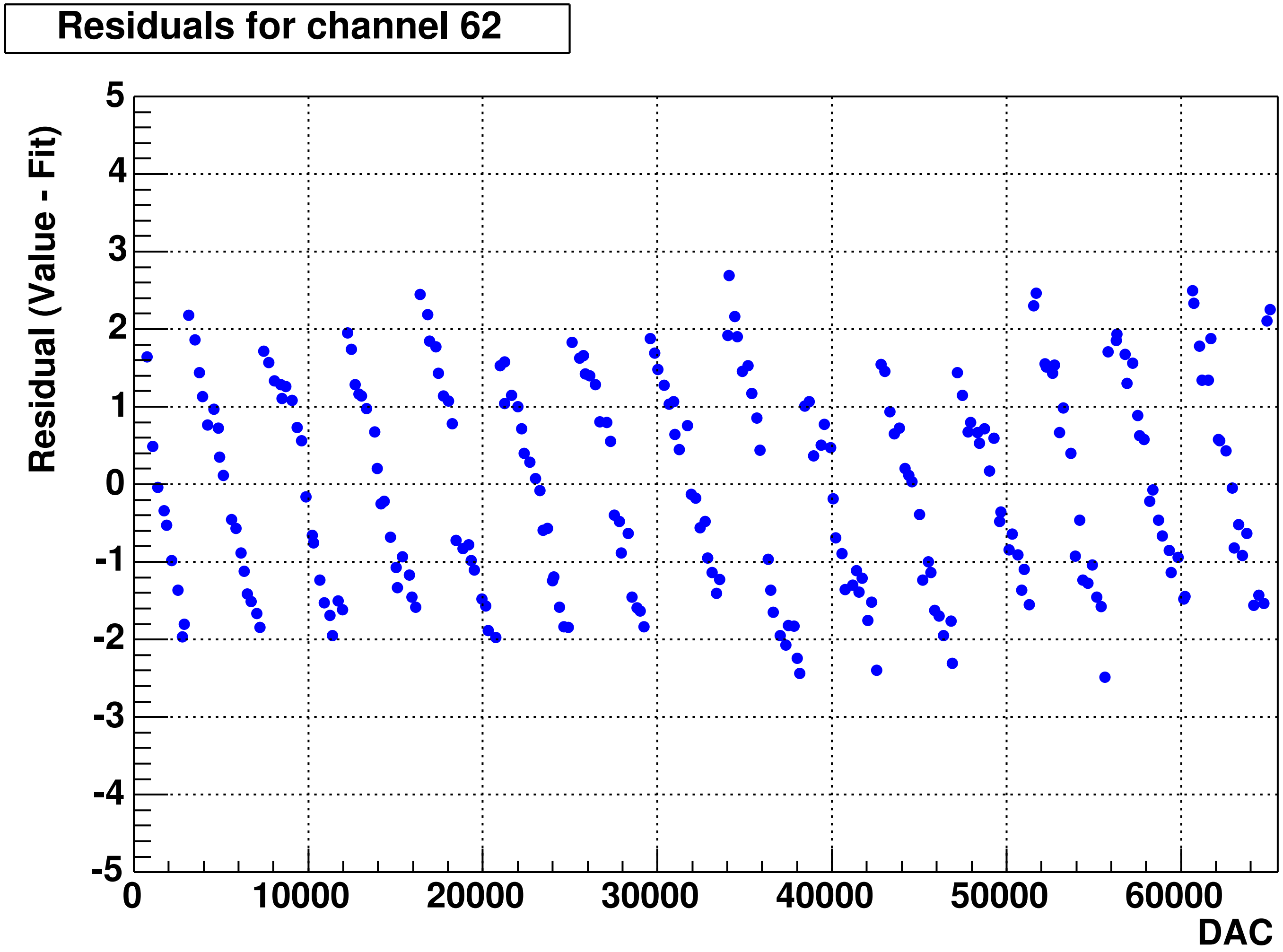
Linear fit for channel 61
χ^2 / ndf 168.7 / 251
p0 -185.4 ± 0.1507
p1 0.2318 ± 4.377e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

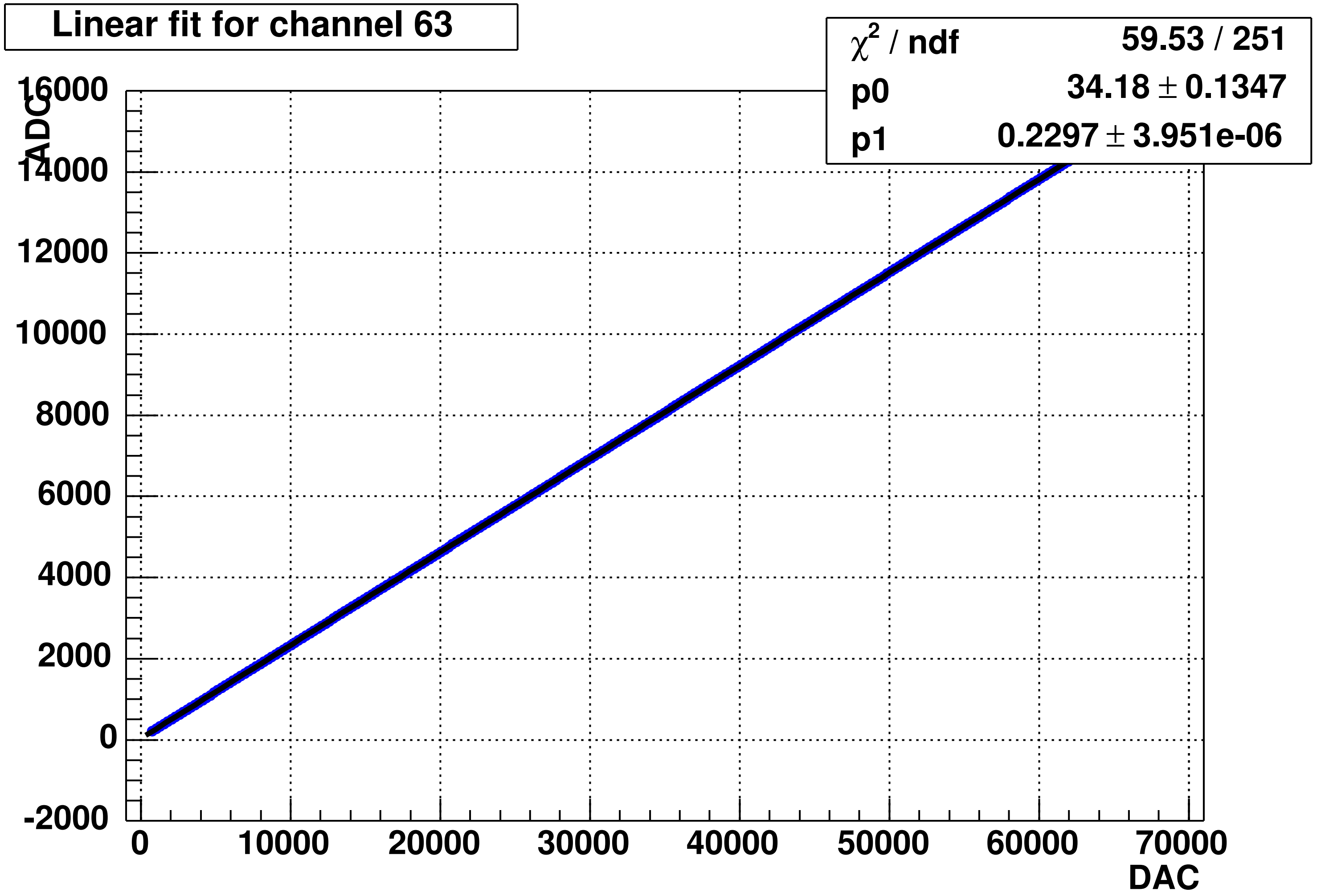


Residuals for channel 61
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

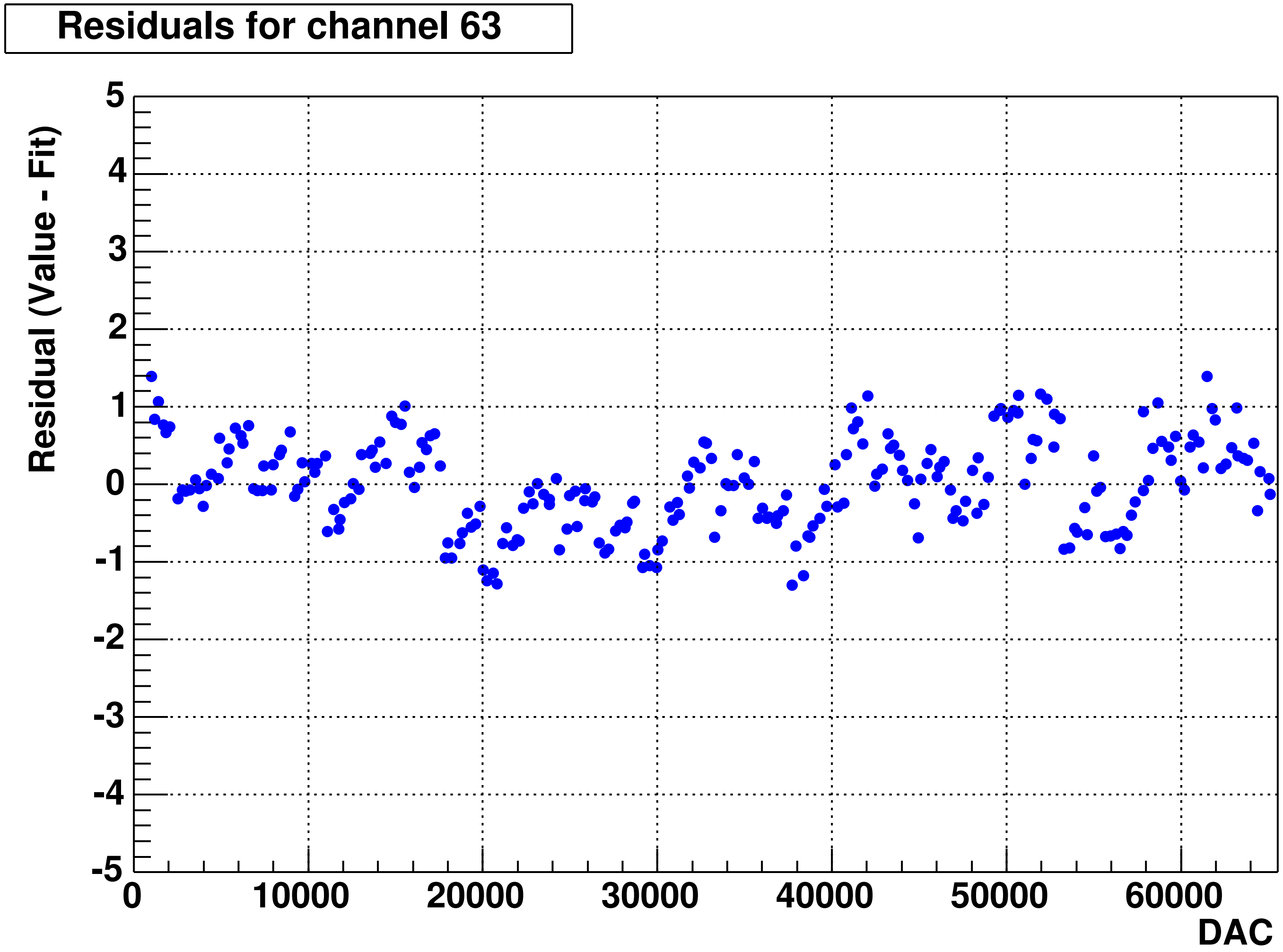


Linear fit for channel 62
χ^2 / ndf 317.8 / 251
p0 -185 ± 0.1352
p1 0.2318 ± 3.969e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

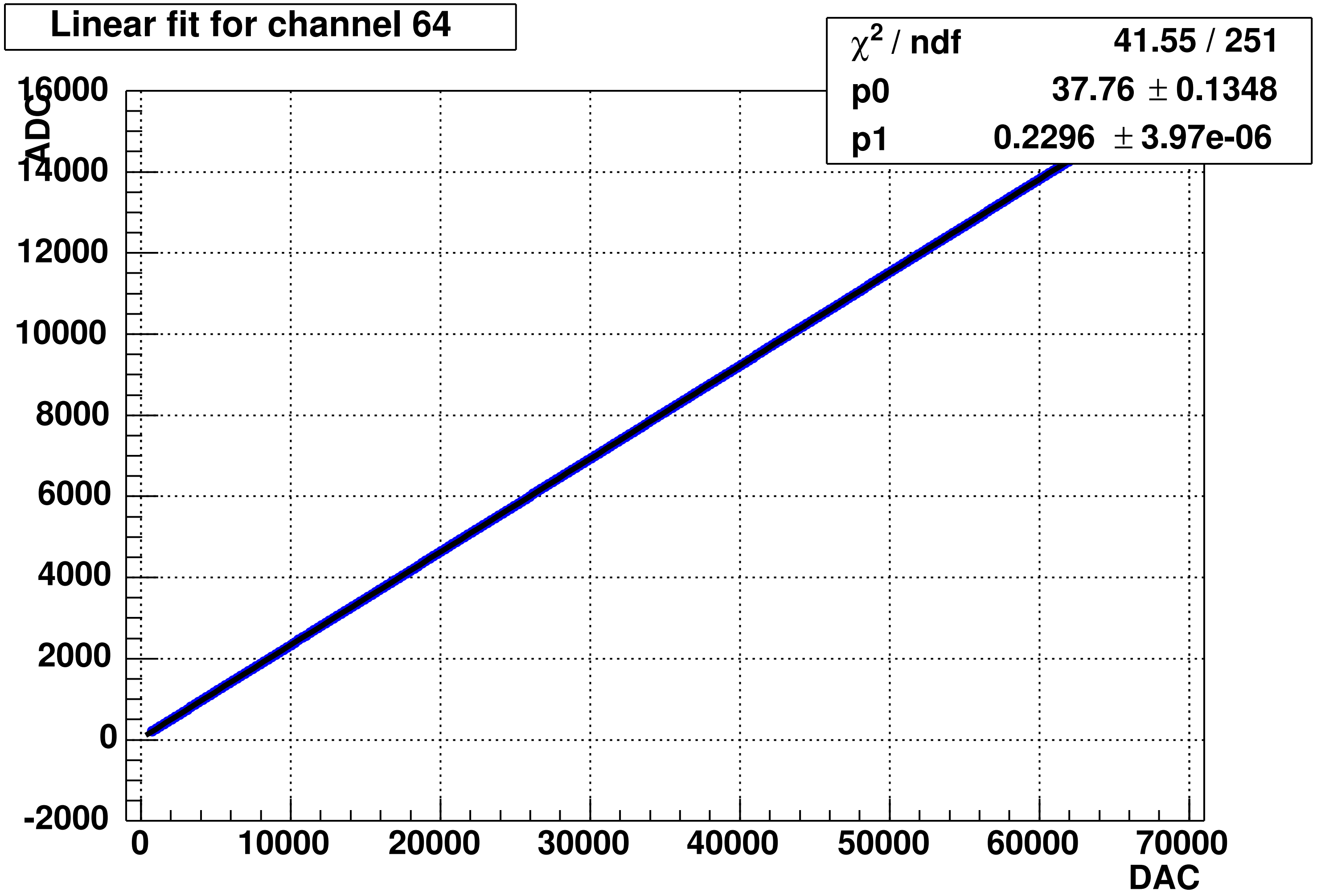

Residuals for channel 62
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

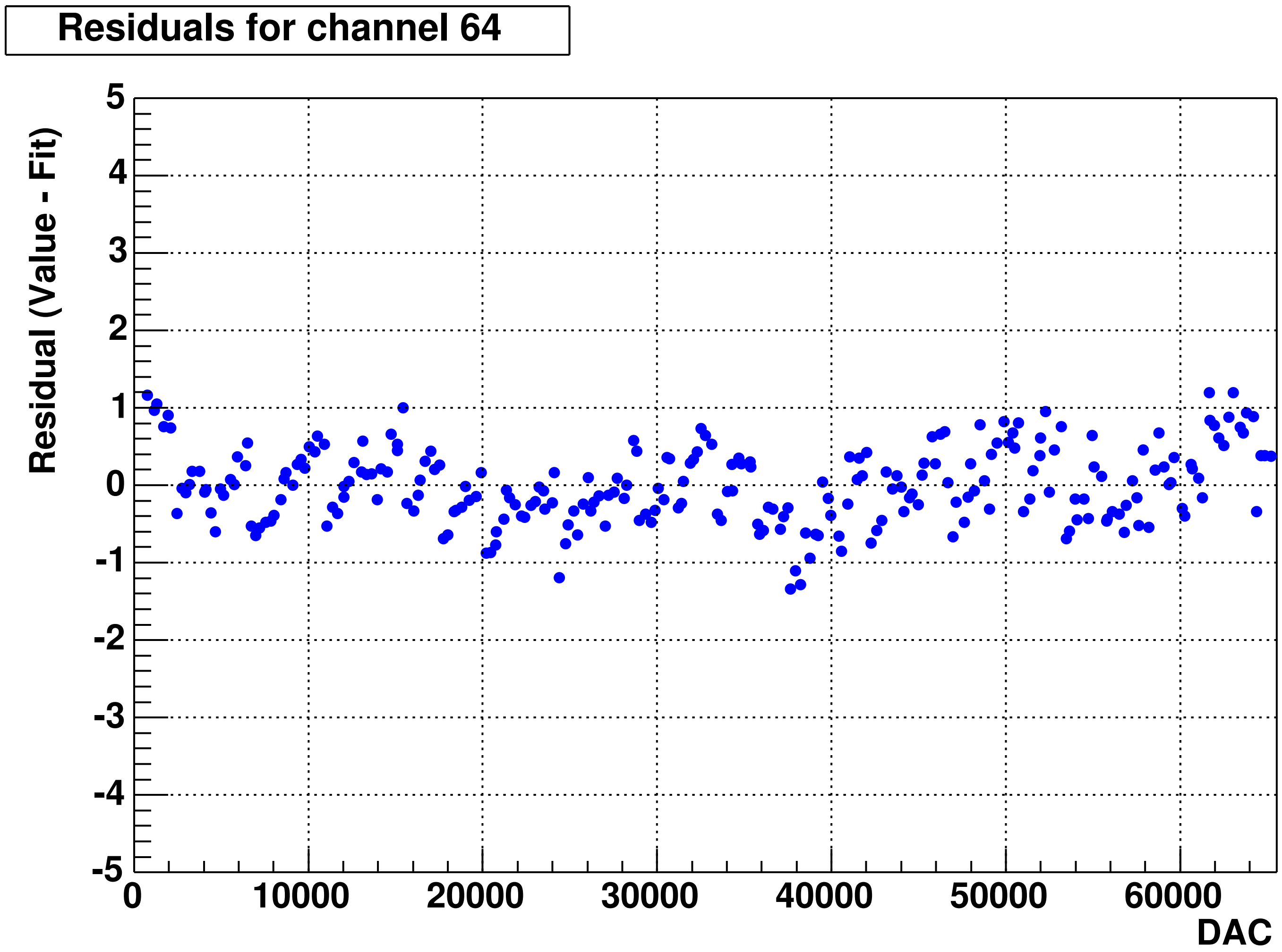


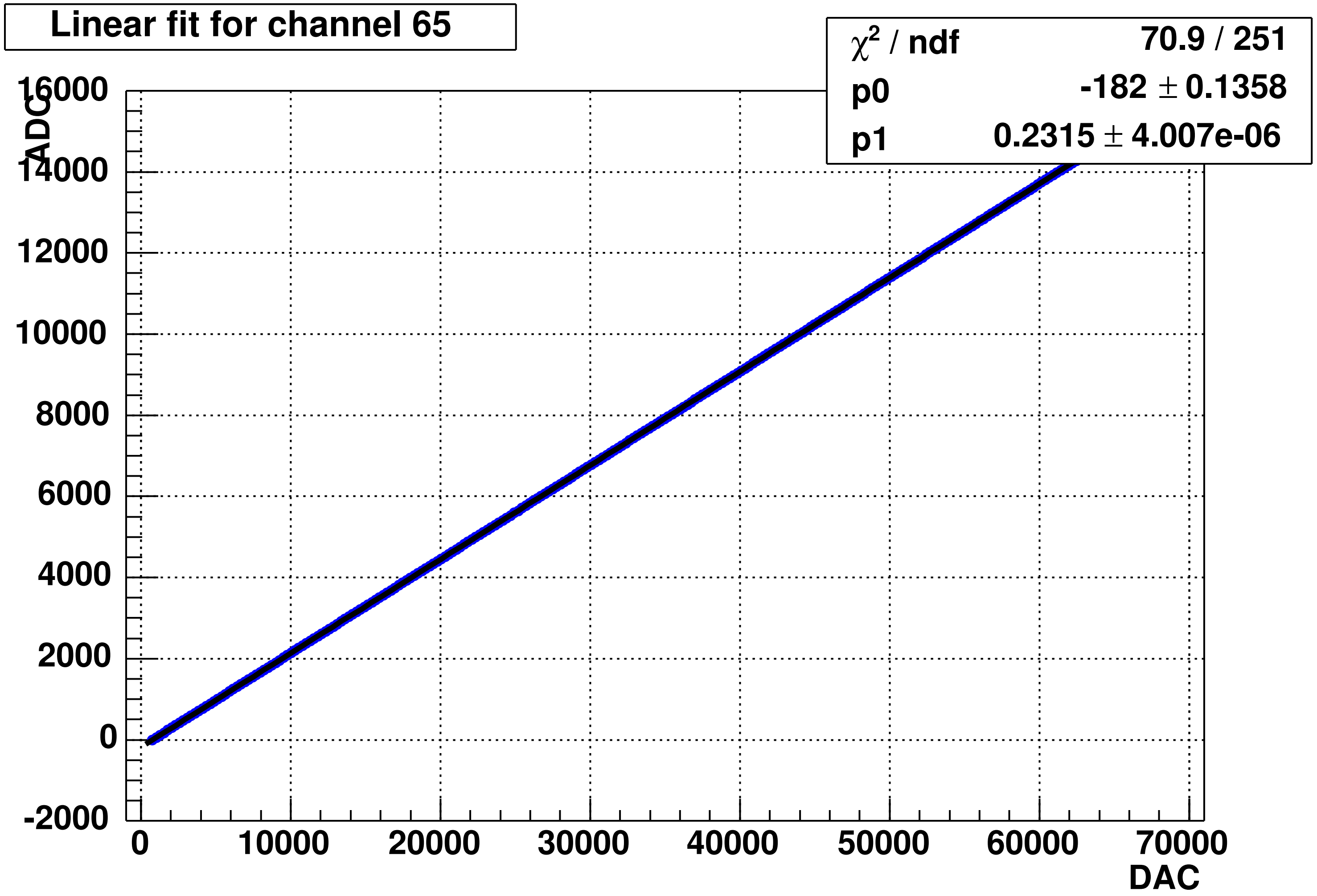
Linear fit for channel 63
χ^2 / ndf 59.53 / 251
p0 34.18 ± 0.1347
p1 0.2297 ± 3.951e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



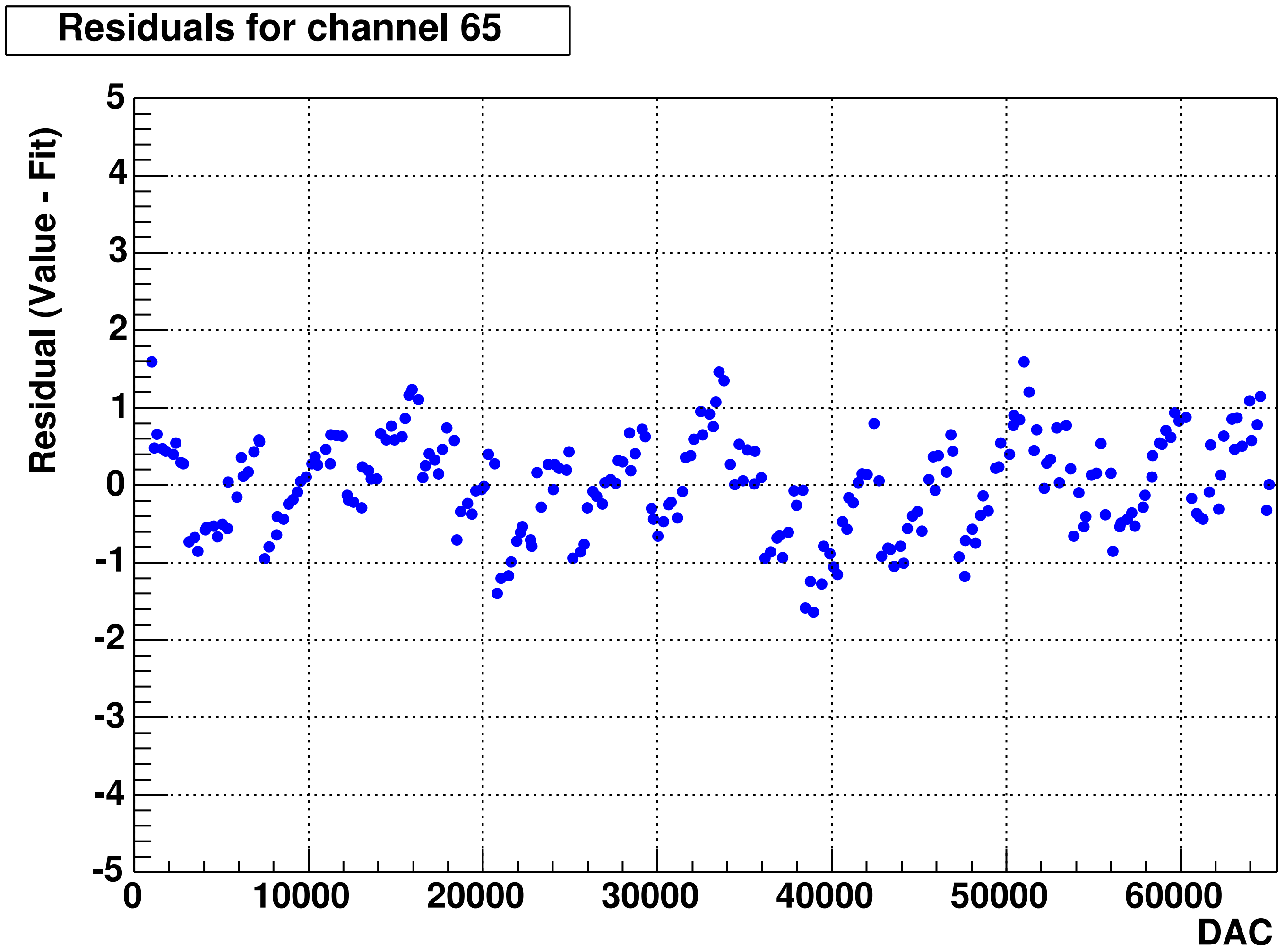
Residuals for channel 63
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 64
χ^2 / ndf 41.55 / 251
p0 37.76 ± 0.1348
p1 0.2296 ± 3.97e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

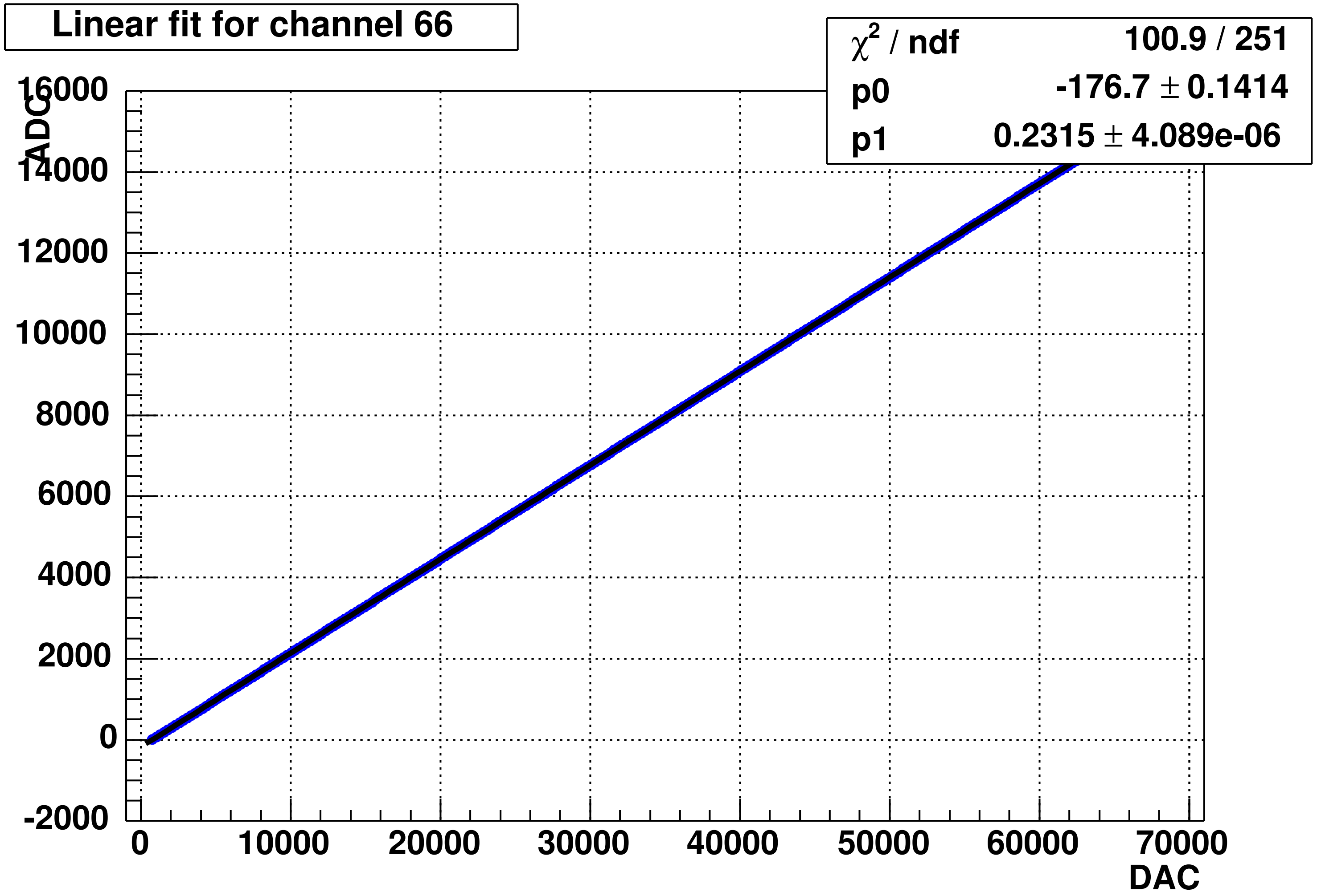

Residuals for channel 64
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



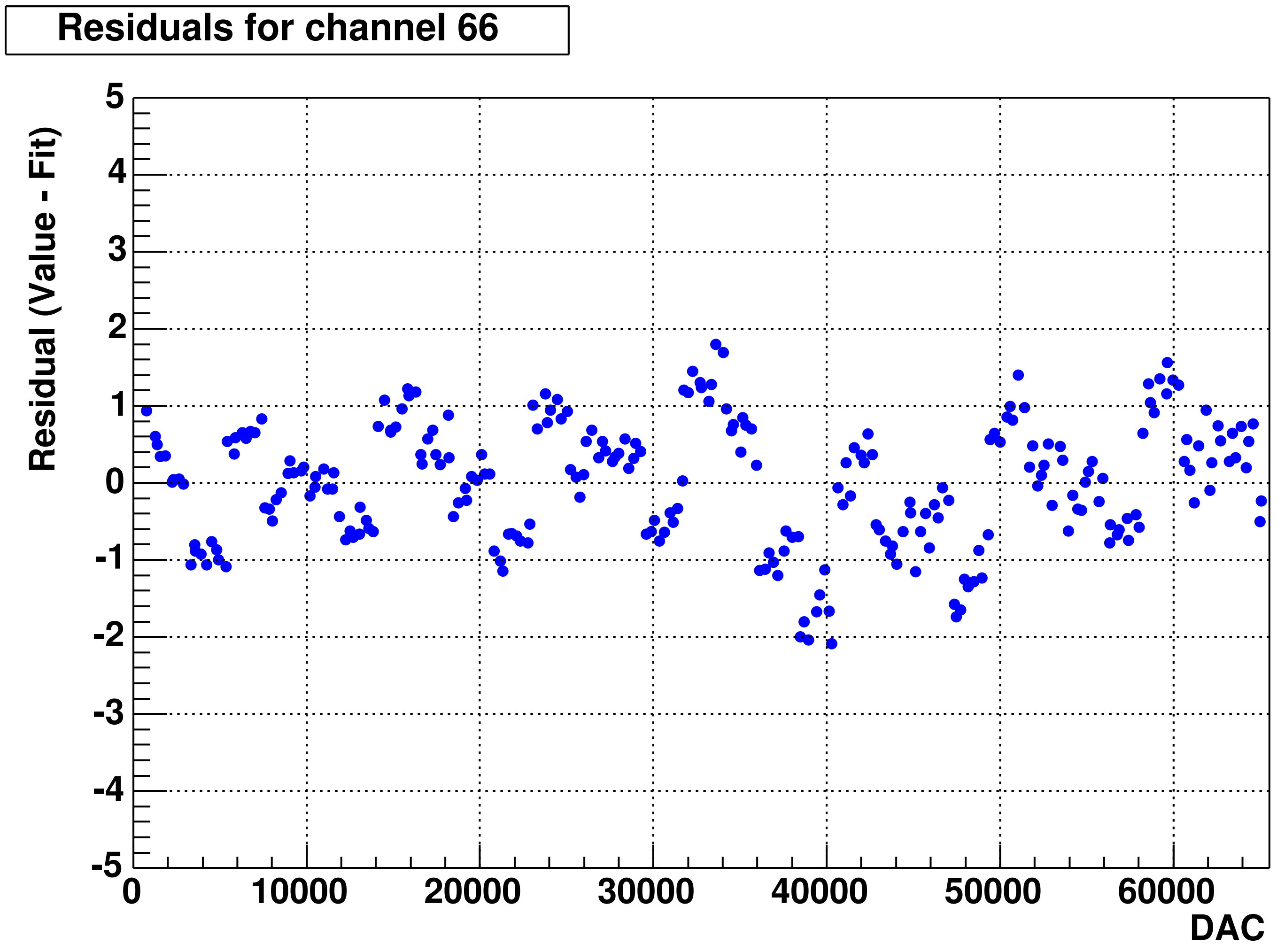
Linear fit for channel 65
χ^2 / ndf 70.9 / 251
p0 -182 ± 0.1358
p1 0.2315 ± 4.007e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



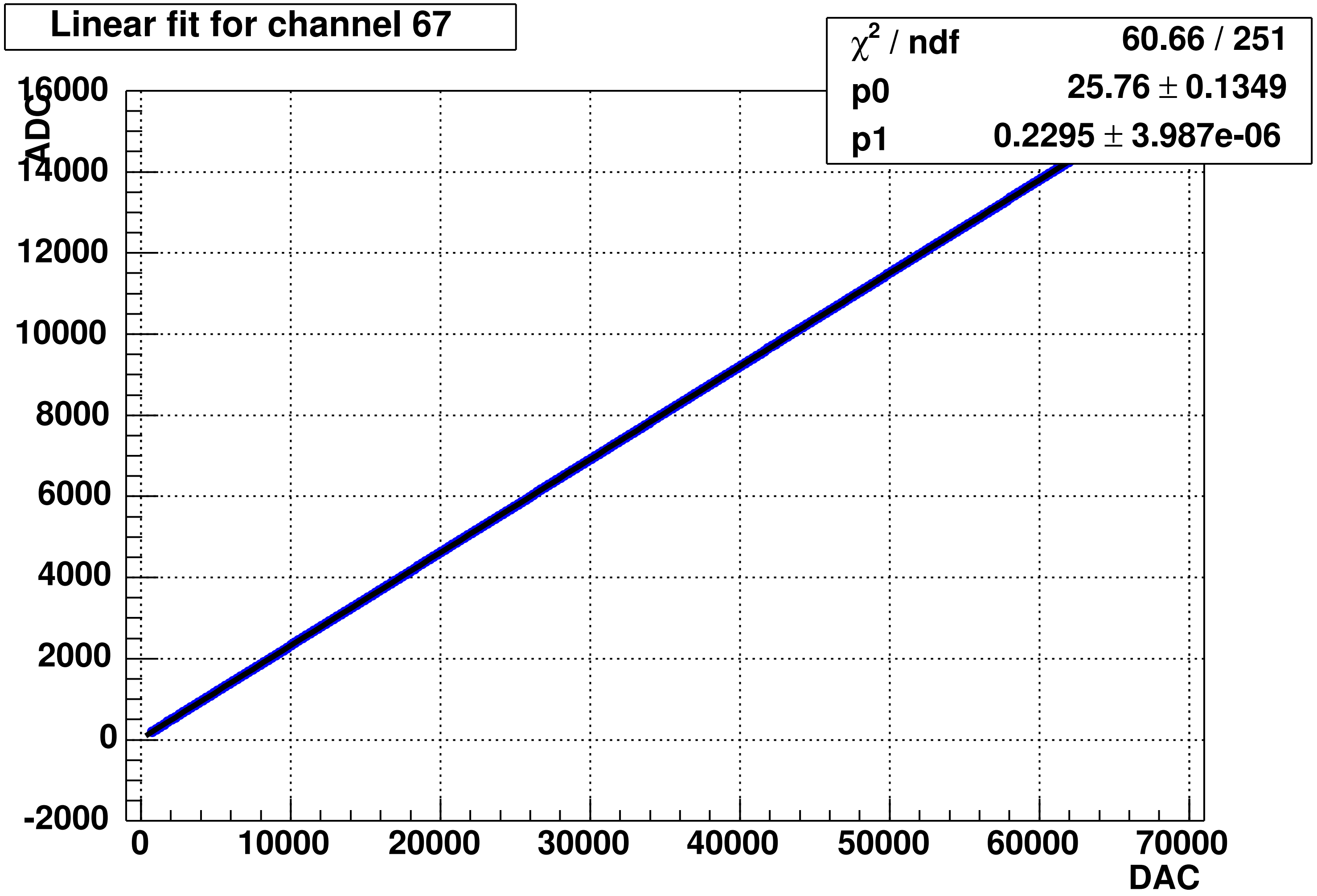
Residuals for channel 65
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



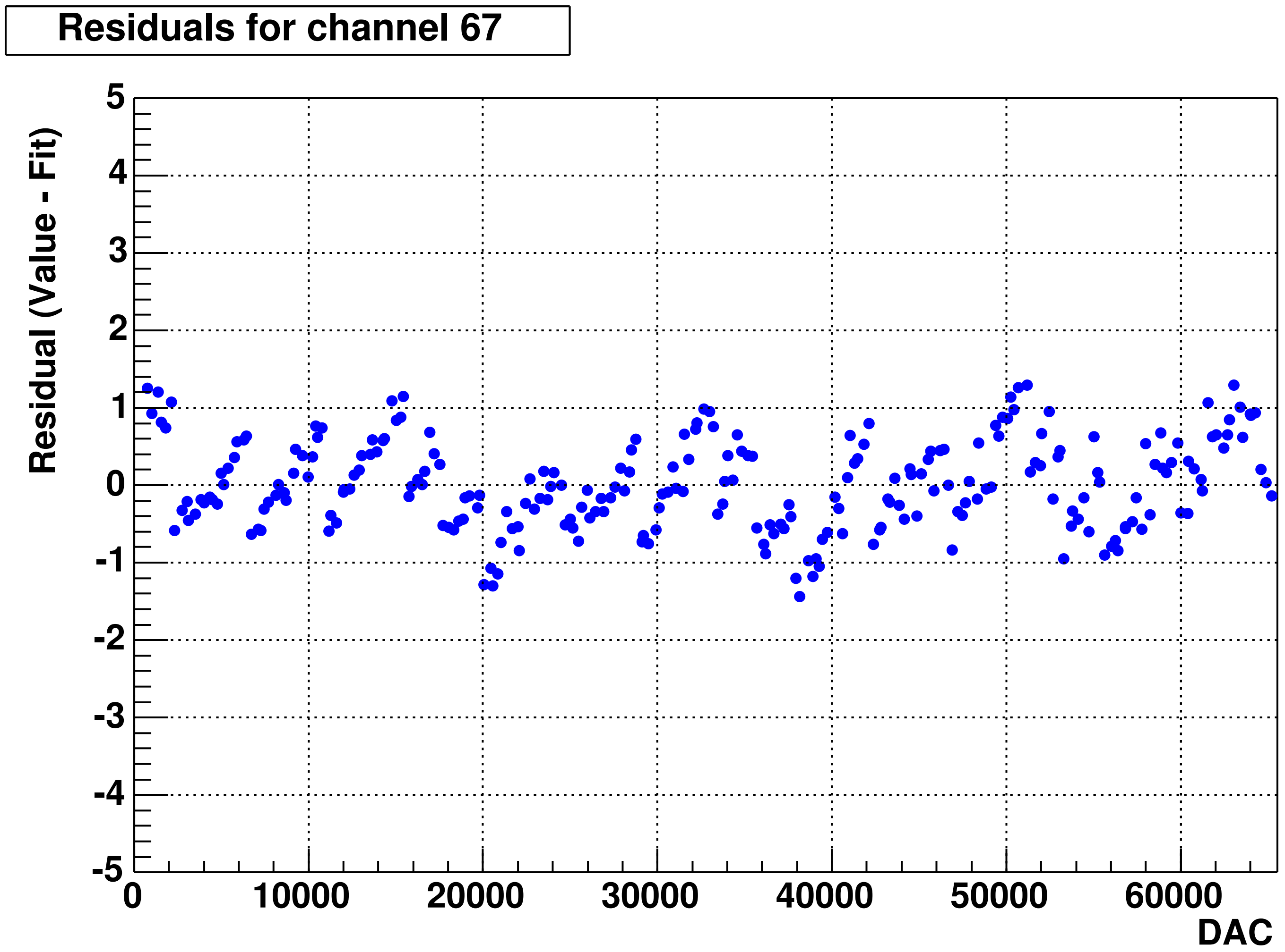
Linear fit for channel 66
χ^2 / ndf 100.9 / 251
p0 -176.7 ± 0.1414
p1 0.2315 ± 4.089e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



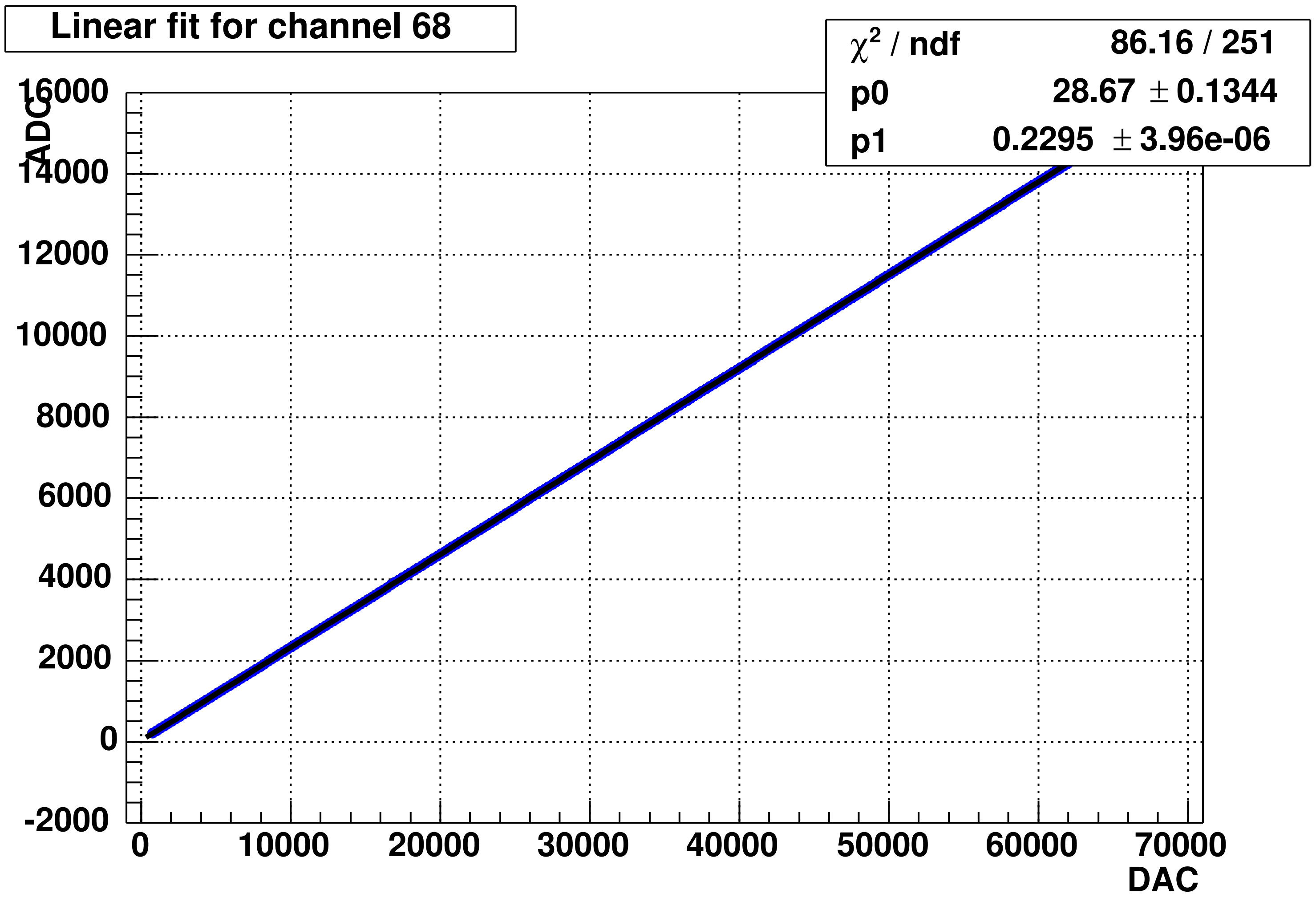
Residuals for channel 66
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



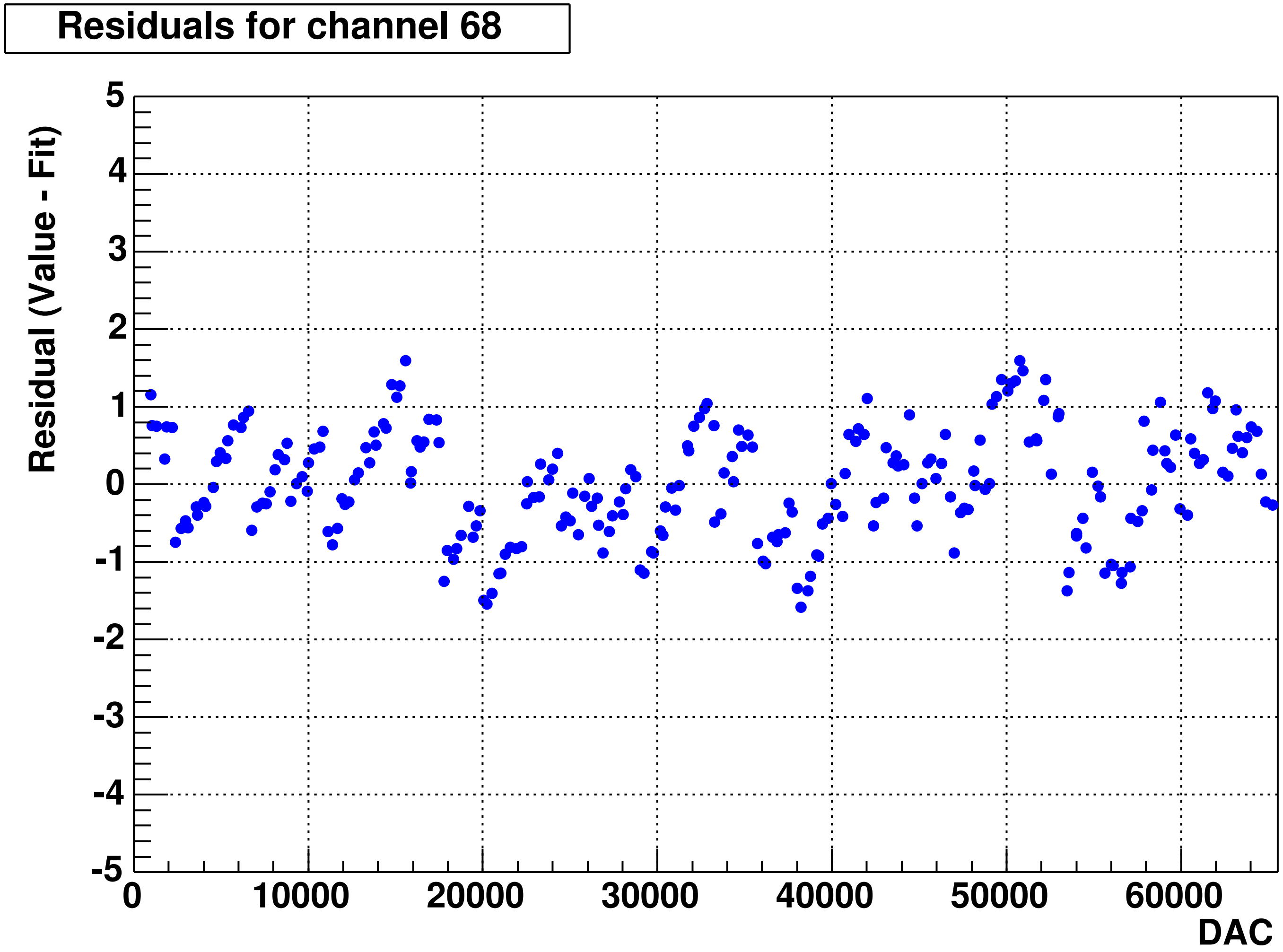
Linear fit for channel 67
χ^2 / ndf 60.66 / 251
p0 25.76 ± 0.1349
p1 0.2295 ± 3.987e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



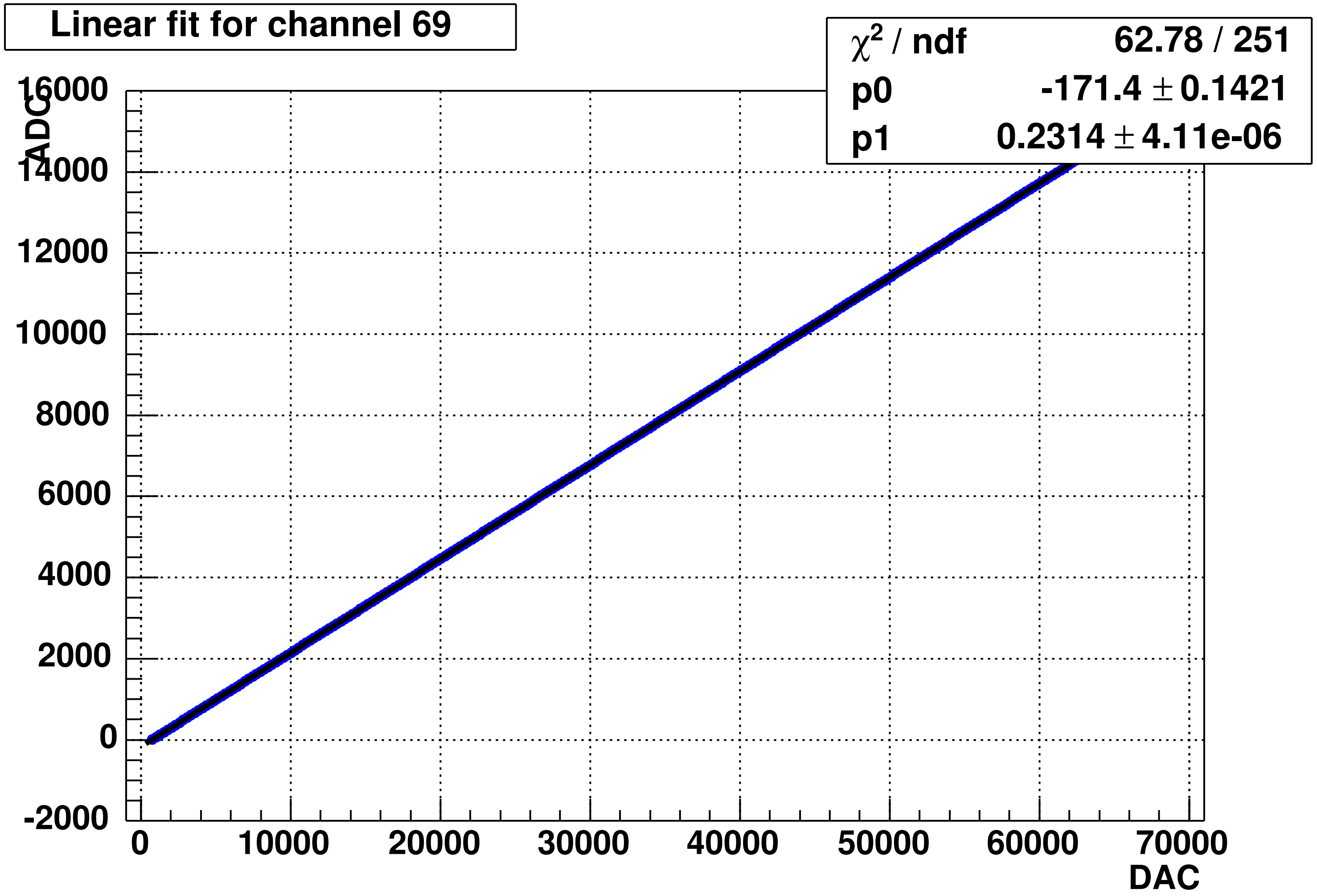
Residuals for channel 67
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



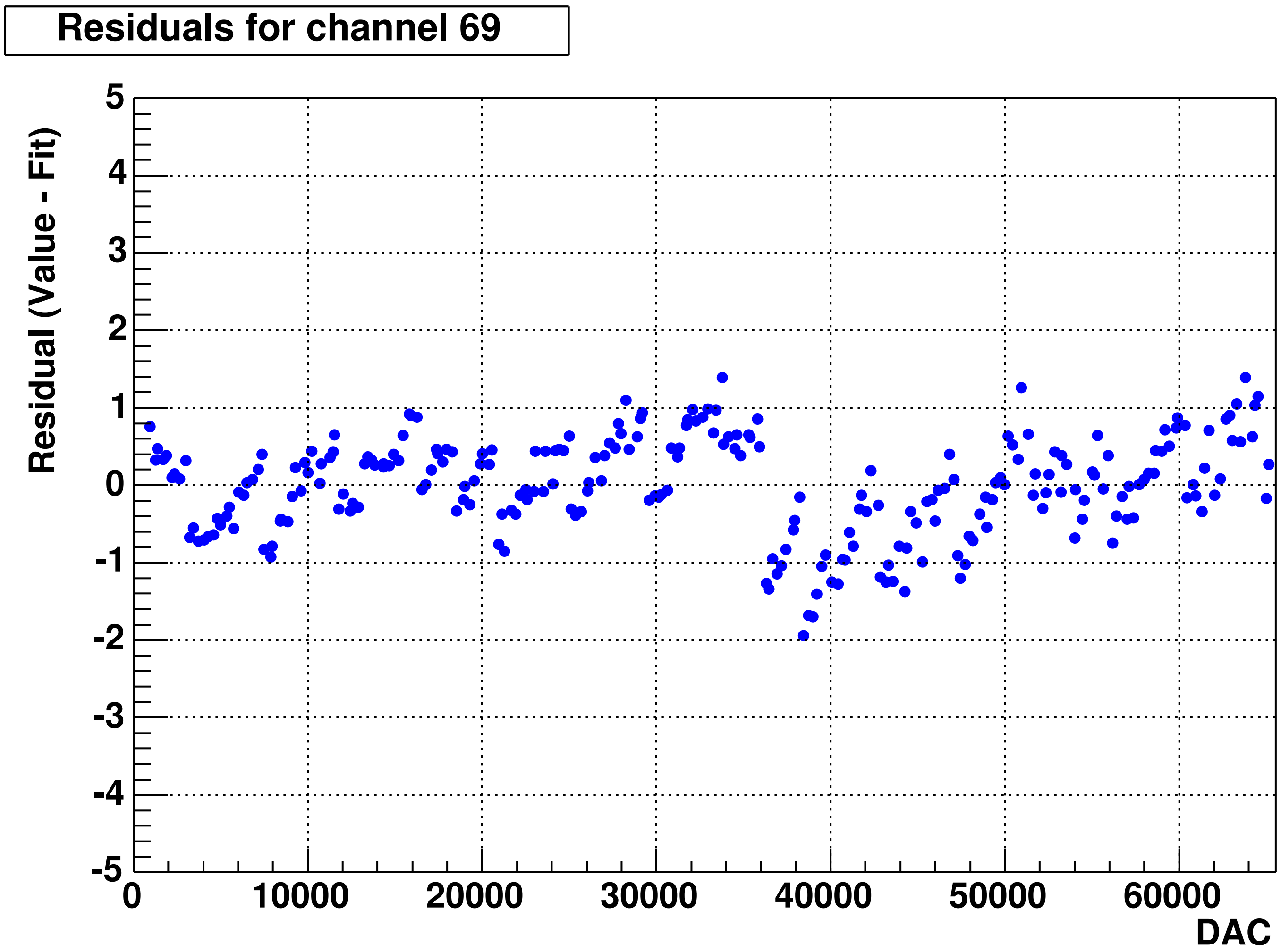
Linear fit for channel 68
χ^2 / ndf 86.16 / 251
p0 28.67 ± 0.1344
p1 0.2295 ± 3.96e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



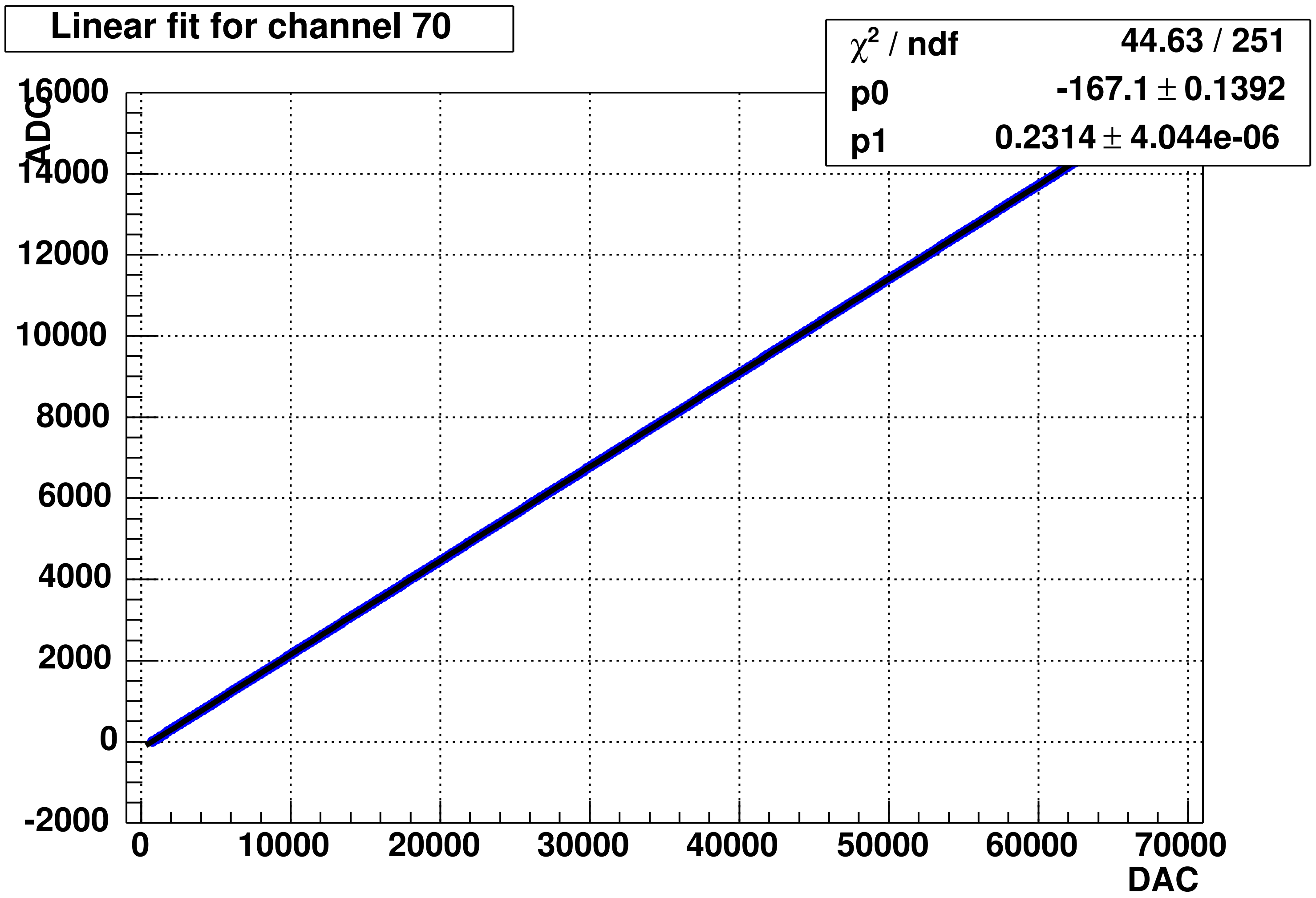
Residuals for channel 68
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



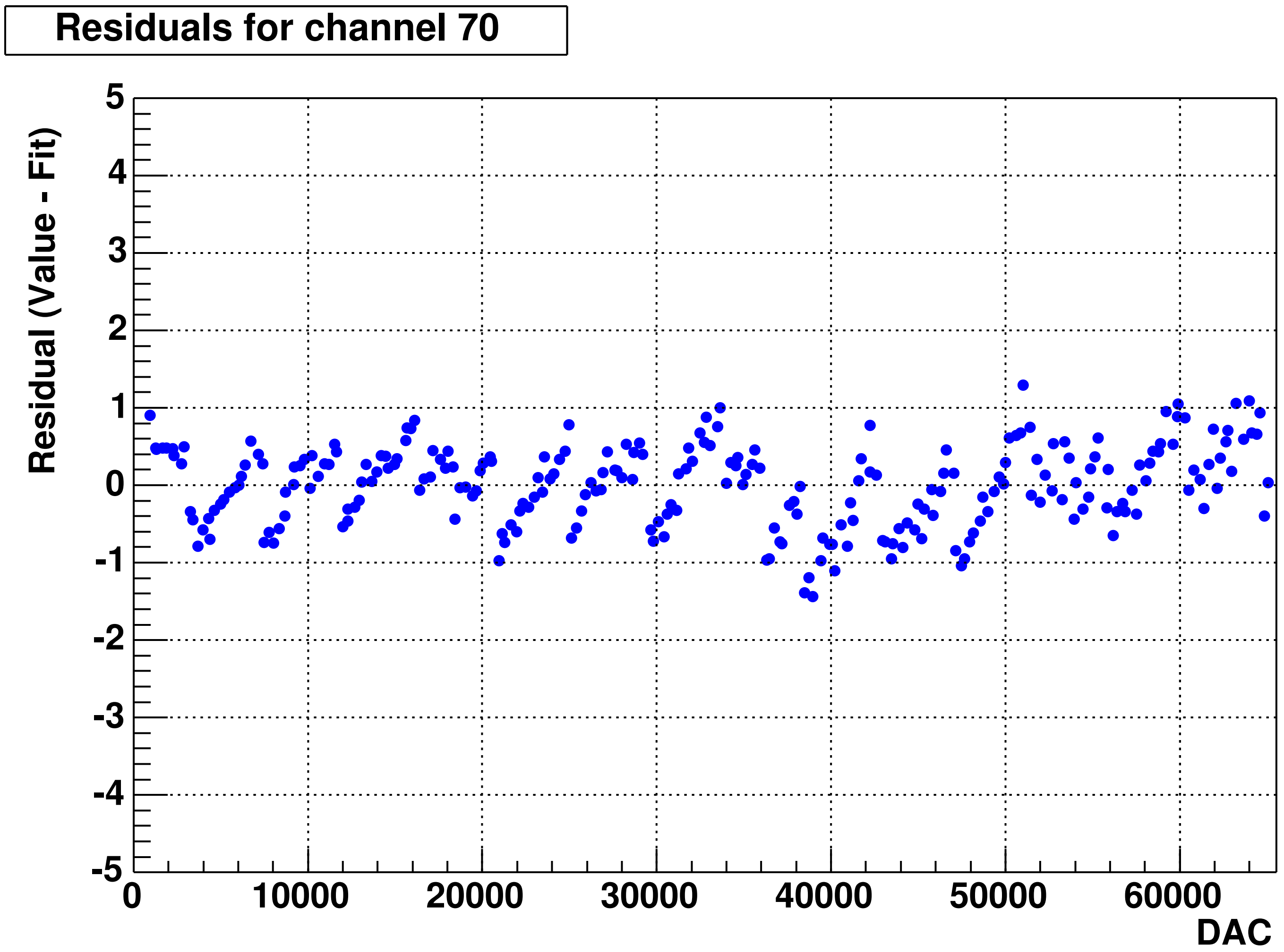
Linear fit for channel 69
χ^2 / ndf 62.78 / 251
p0 -171.4 ± 0.1421
p1 0.2314 ± 4.11e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



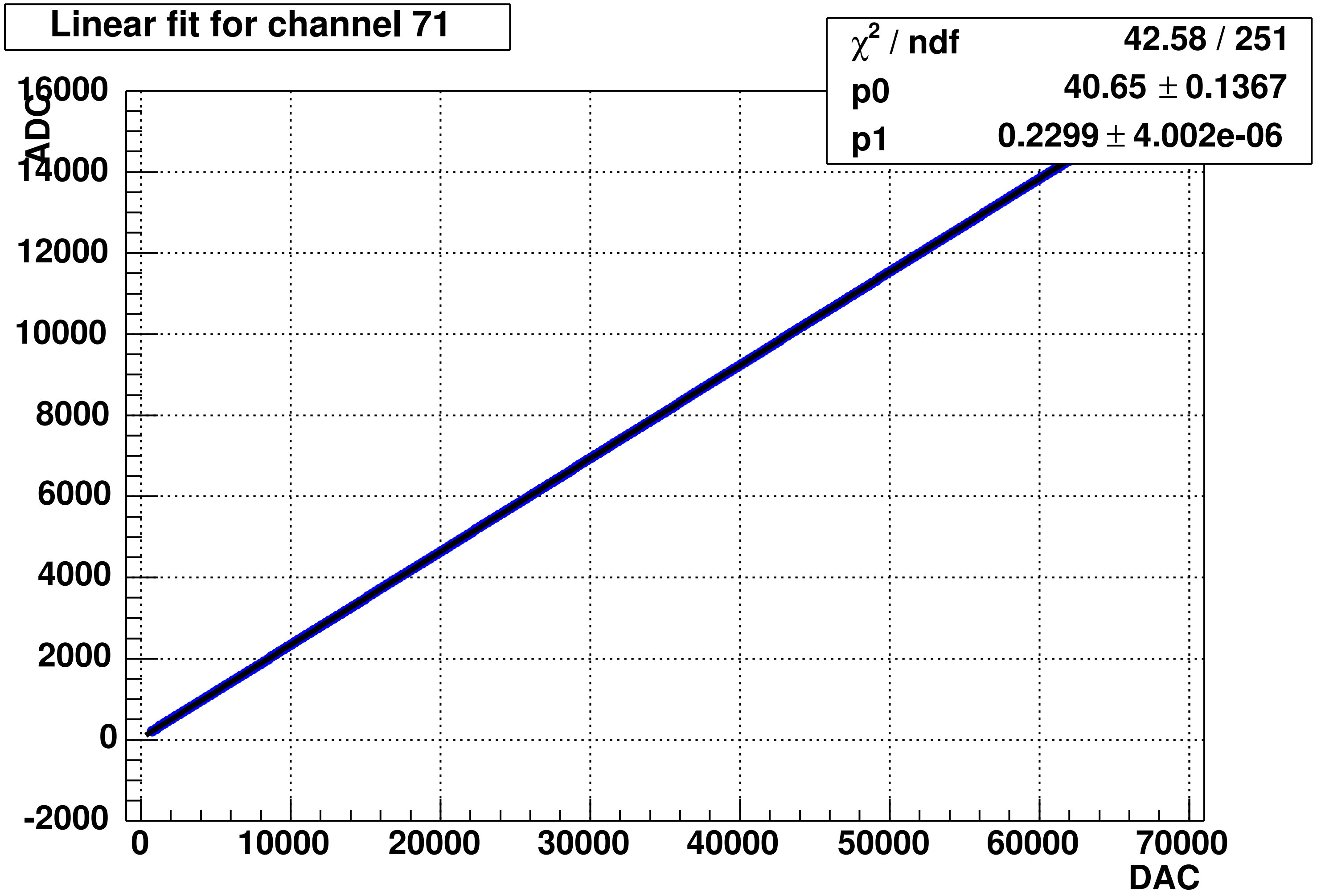
Residuals for channel 69
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



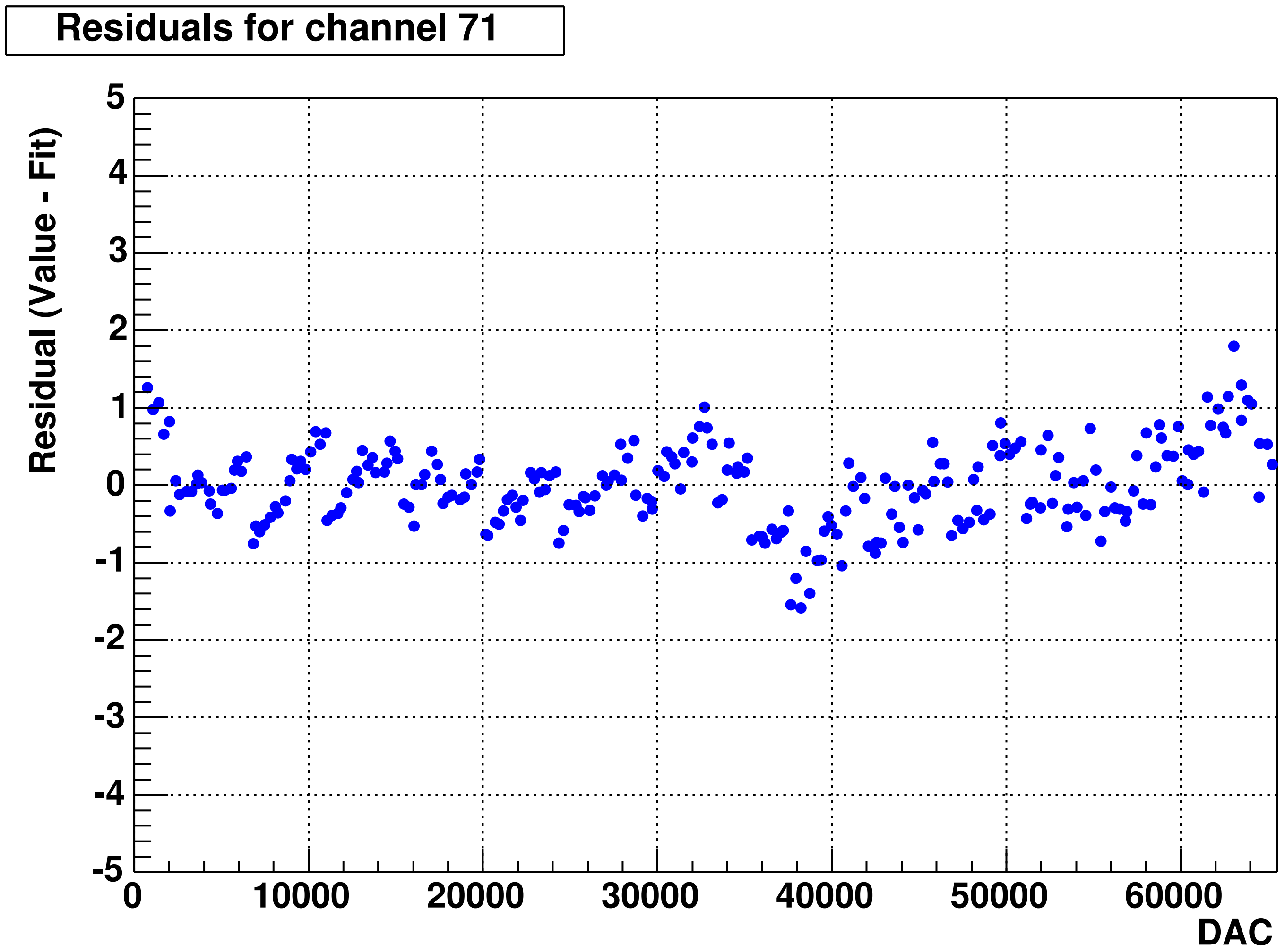
Linear fit for channel 70
χ^2 / ndf 44.63 / 251
p0 -167.1 ± 0.1392
p1 0.2314 ± 4.044e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



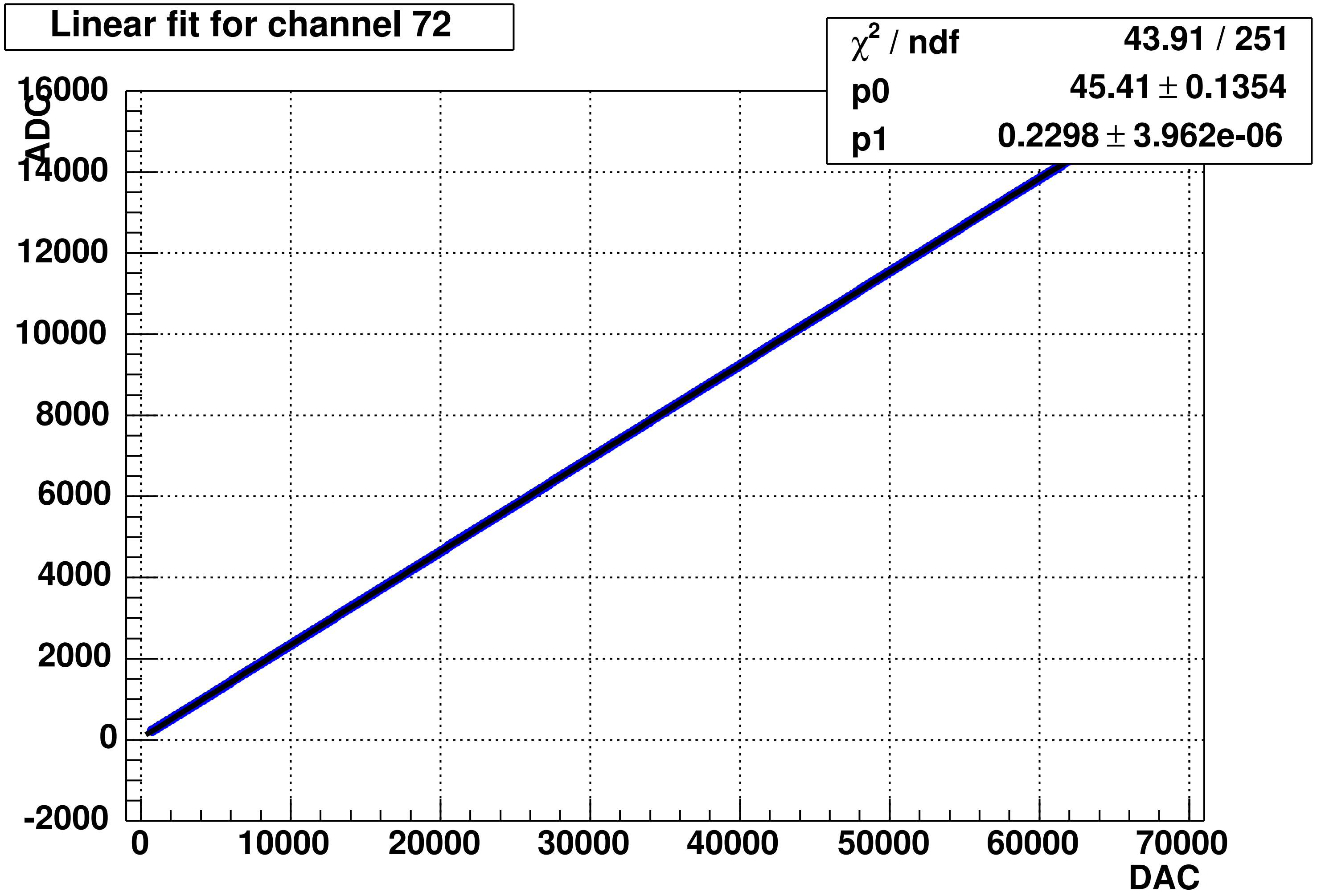
Residuals for channel 70
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



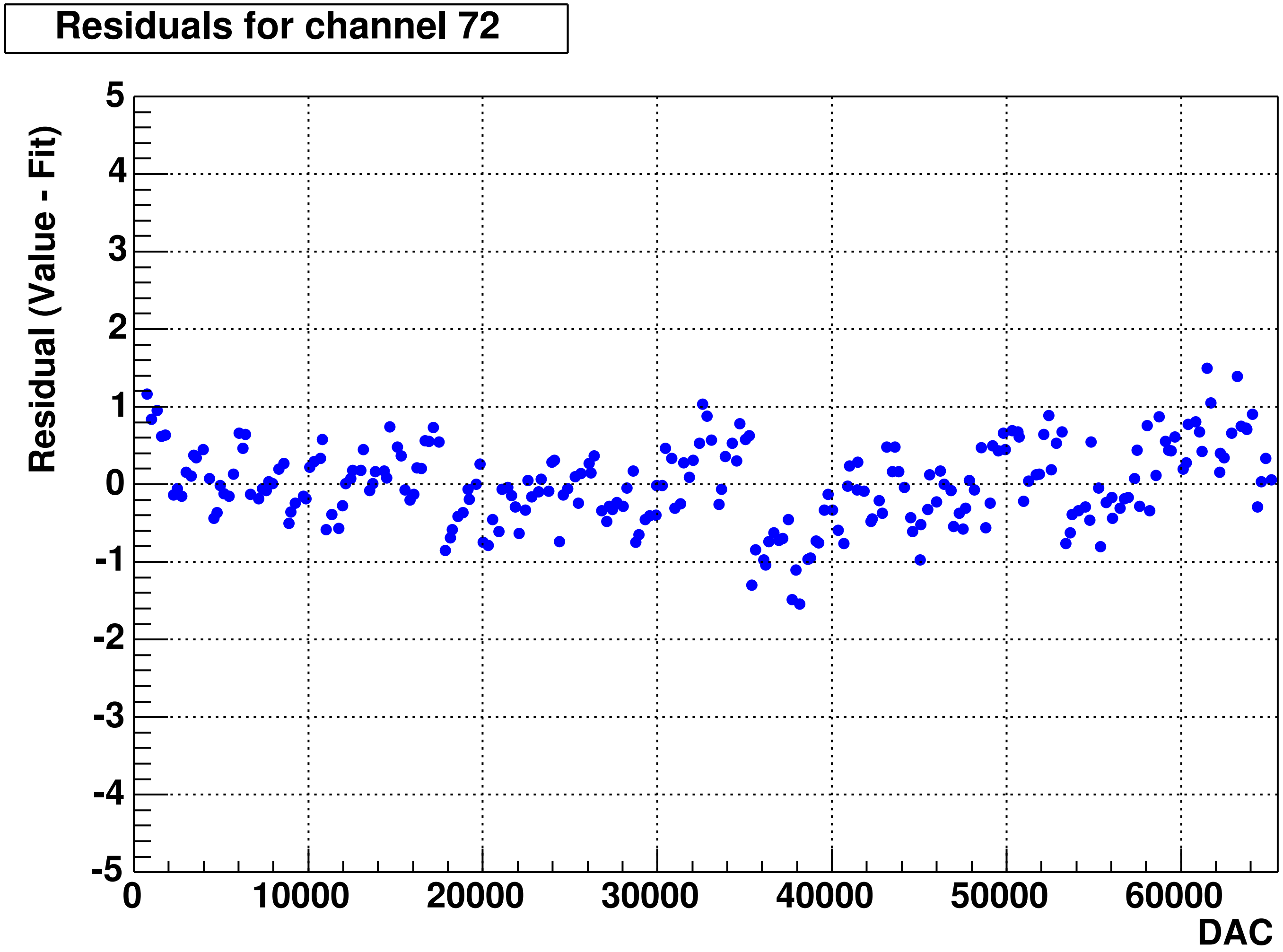
Linear fit for channel 71
χ^2 / ndf 42.58 / 251
p0 40.65 ± 0.1367
p1 0.2299 ± 4.002e-06
ADC
DAC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000

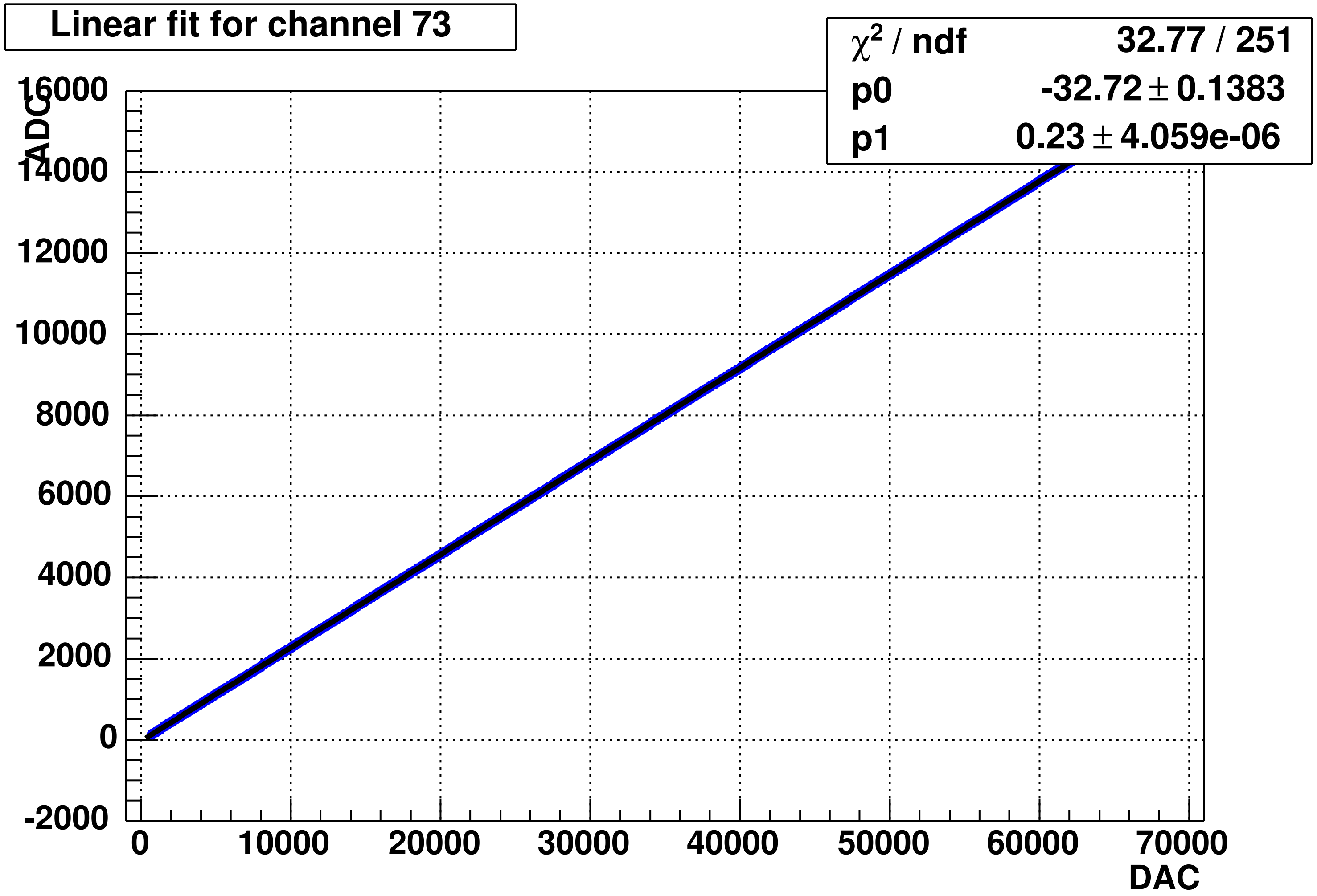


Residuals for channel 71
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

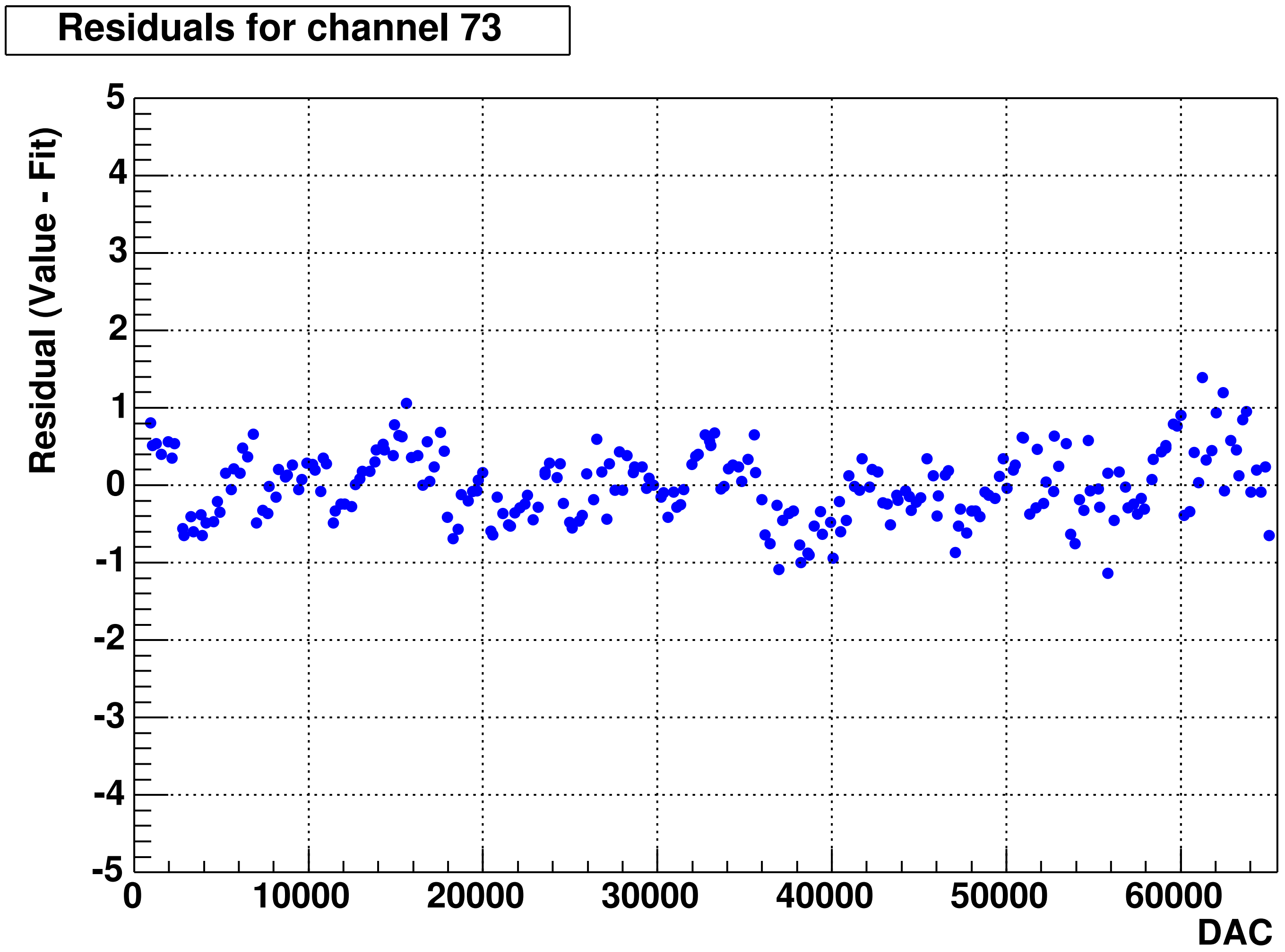


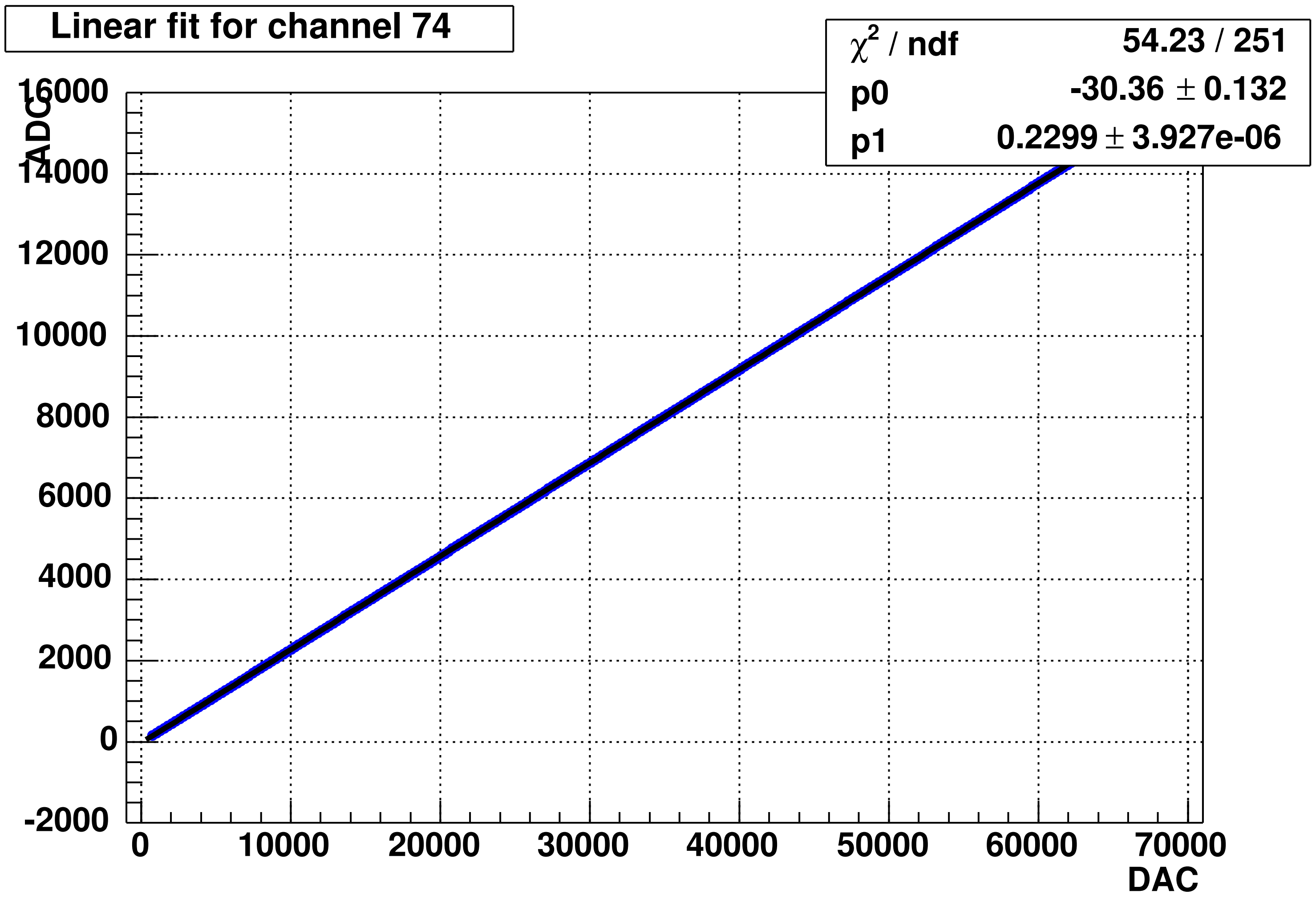
Linear fit for channel 72
χ^2 / ndf 43.91 / 251
p0 45.41 ± 0.1354
p1 0.2298 ± 3.962e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 72
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

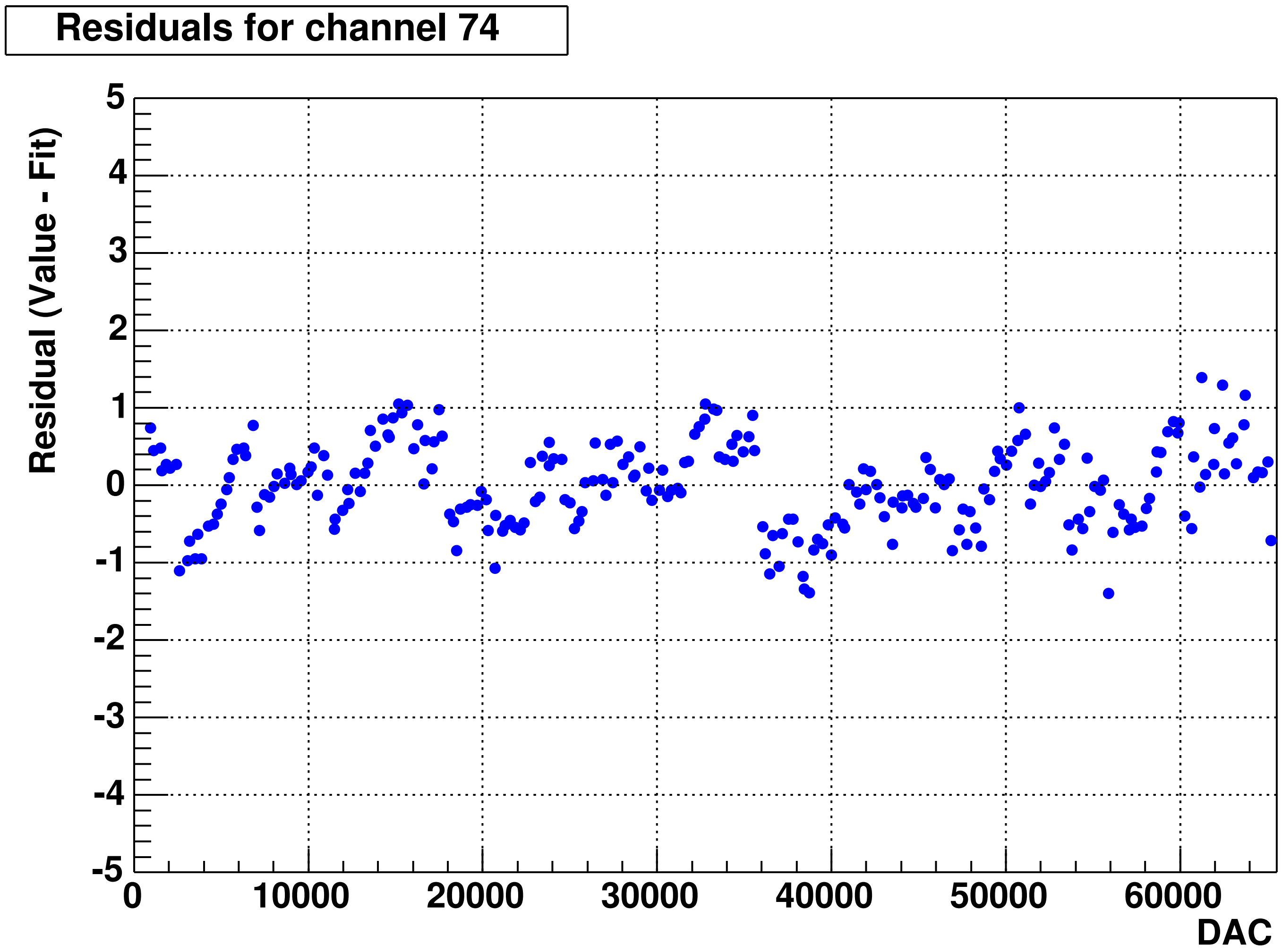


Linear fit for channel 73
χ^2 / ndf 32.77 / 251
p0 -32.72 ± 0.1383
p1 0.23 ± 4.059e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

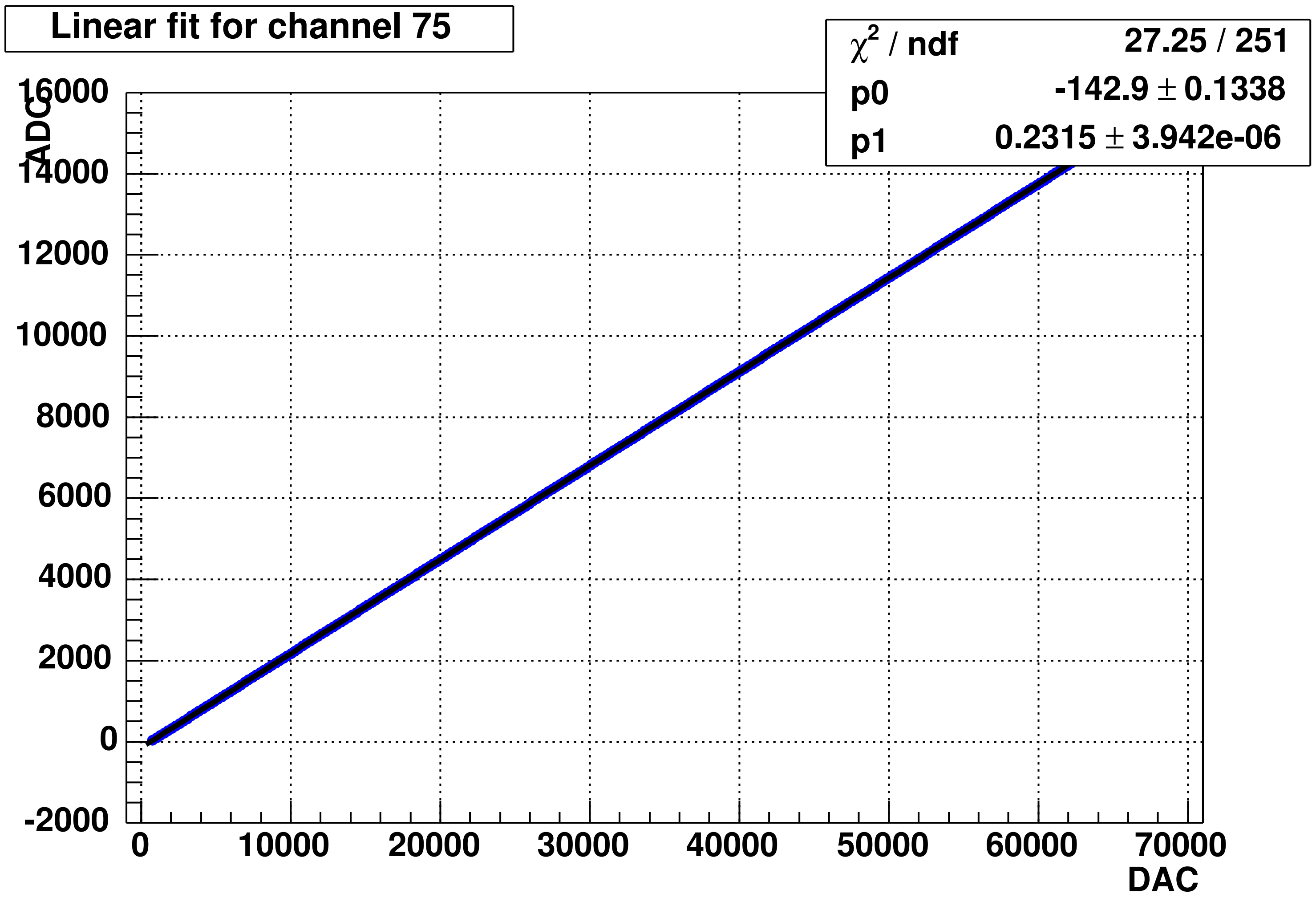

Residuals for channel 73
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



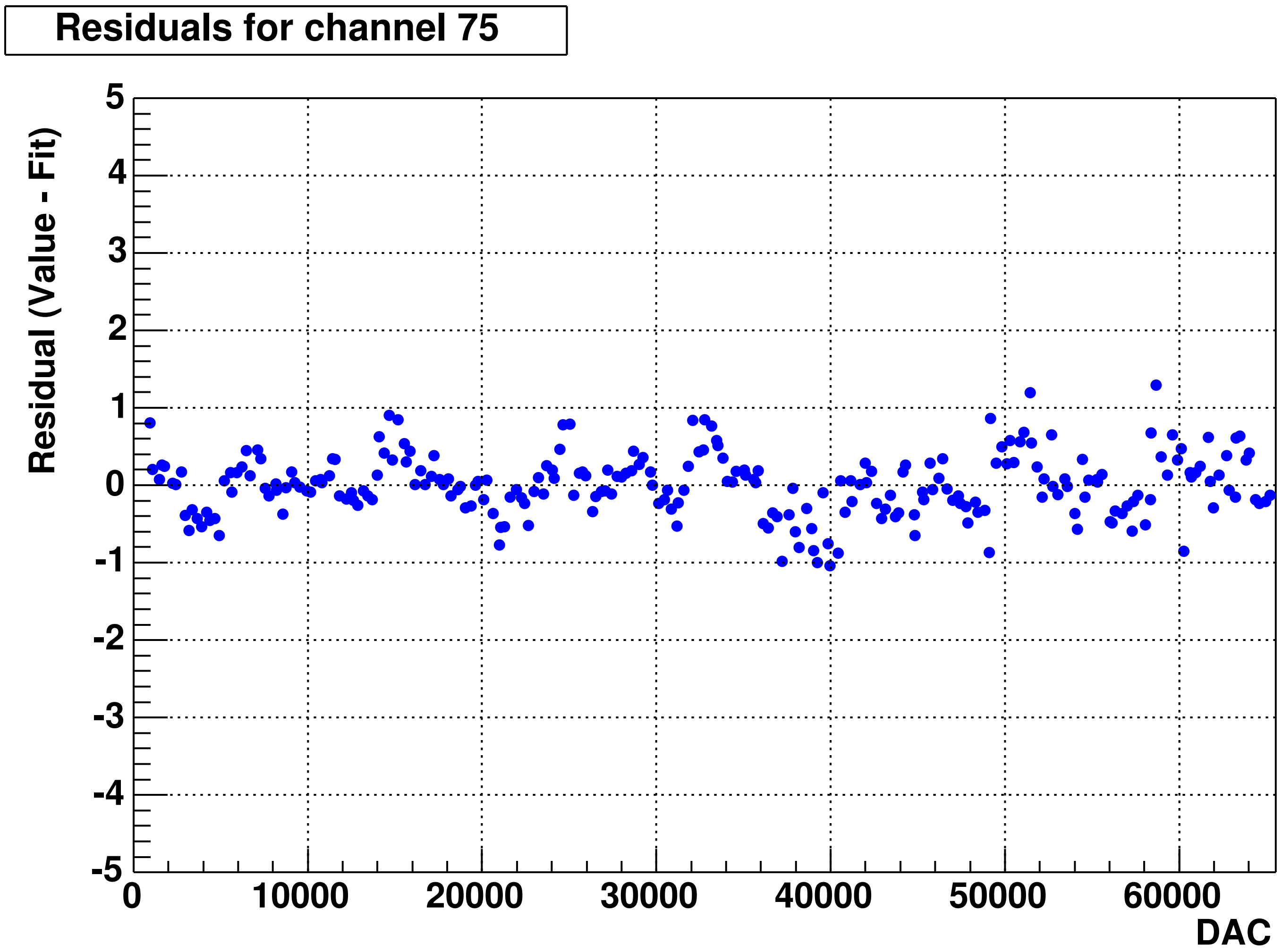
Linear fit for channel 74
χ^2 / ndf 54.23 / 251
p0 -30.36 ± 0.132
p1 0.2299 ± 3.927e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

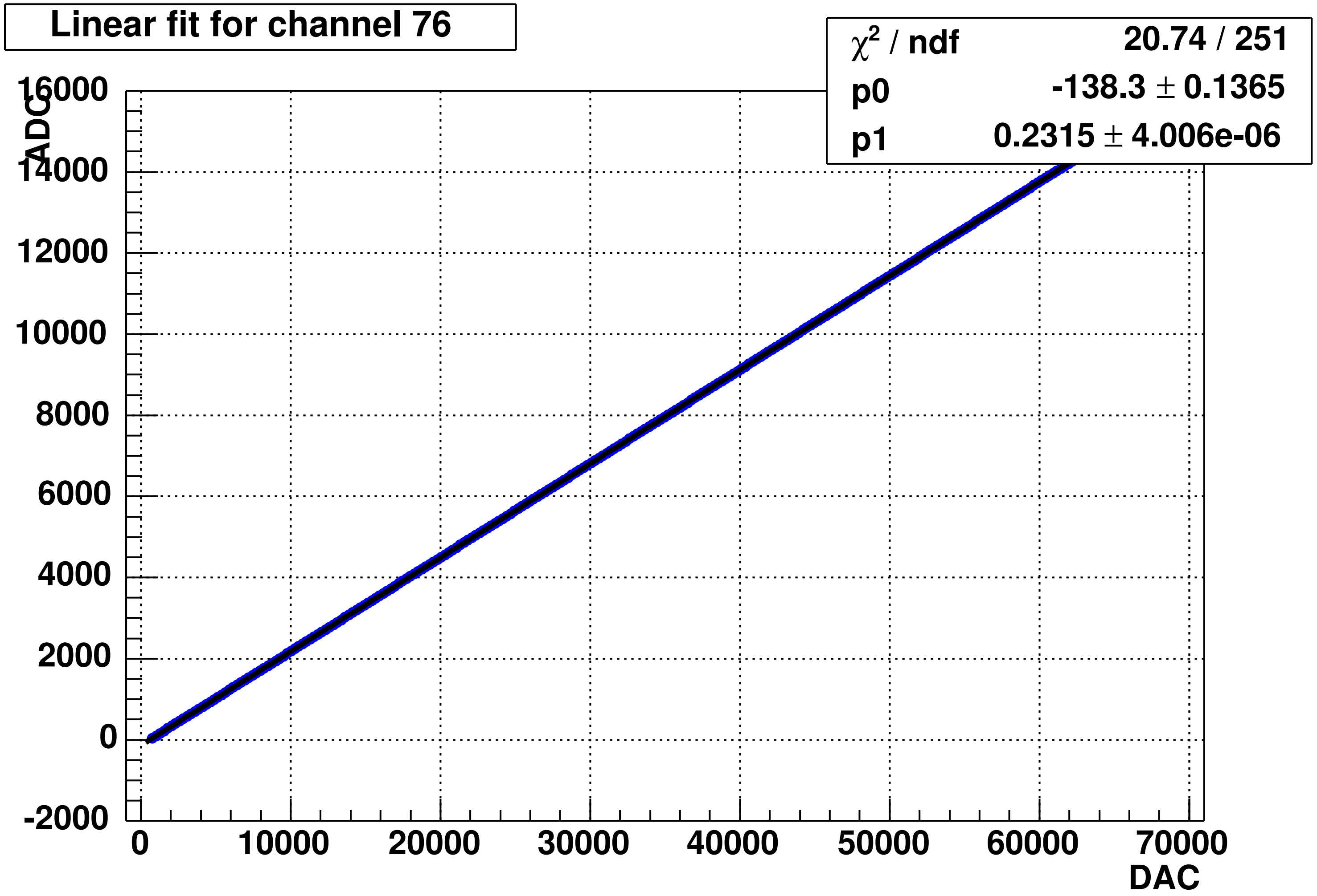


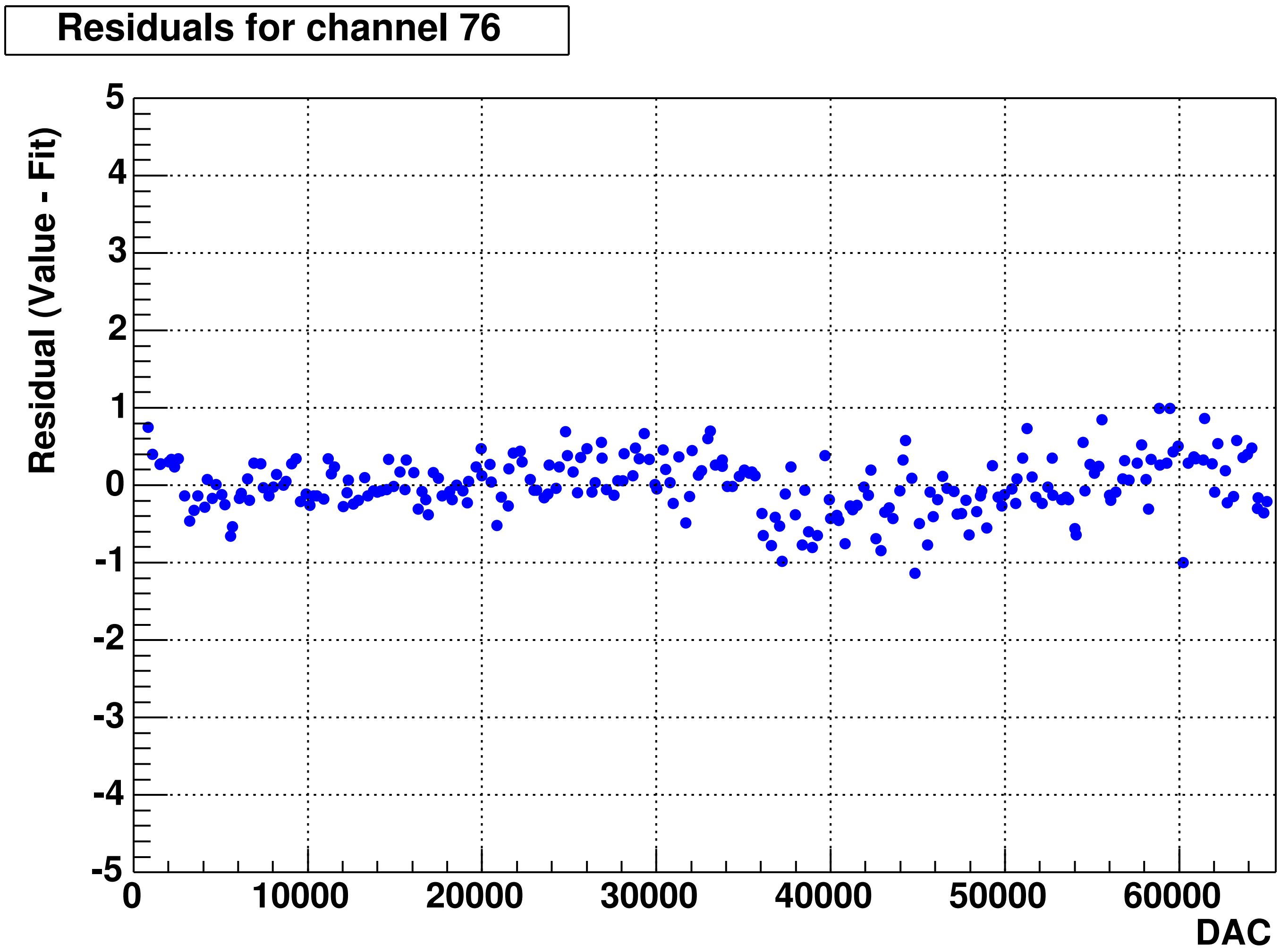
Residuals for channel 74
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

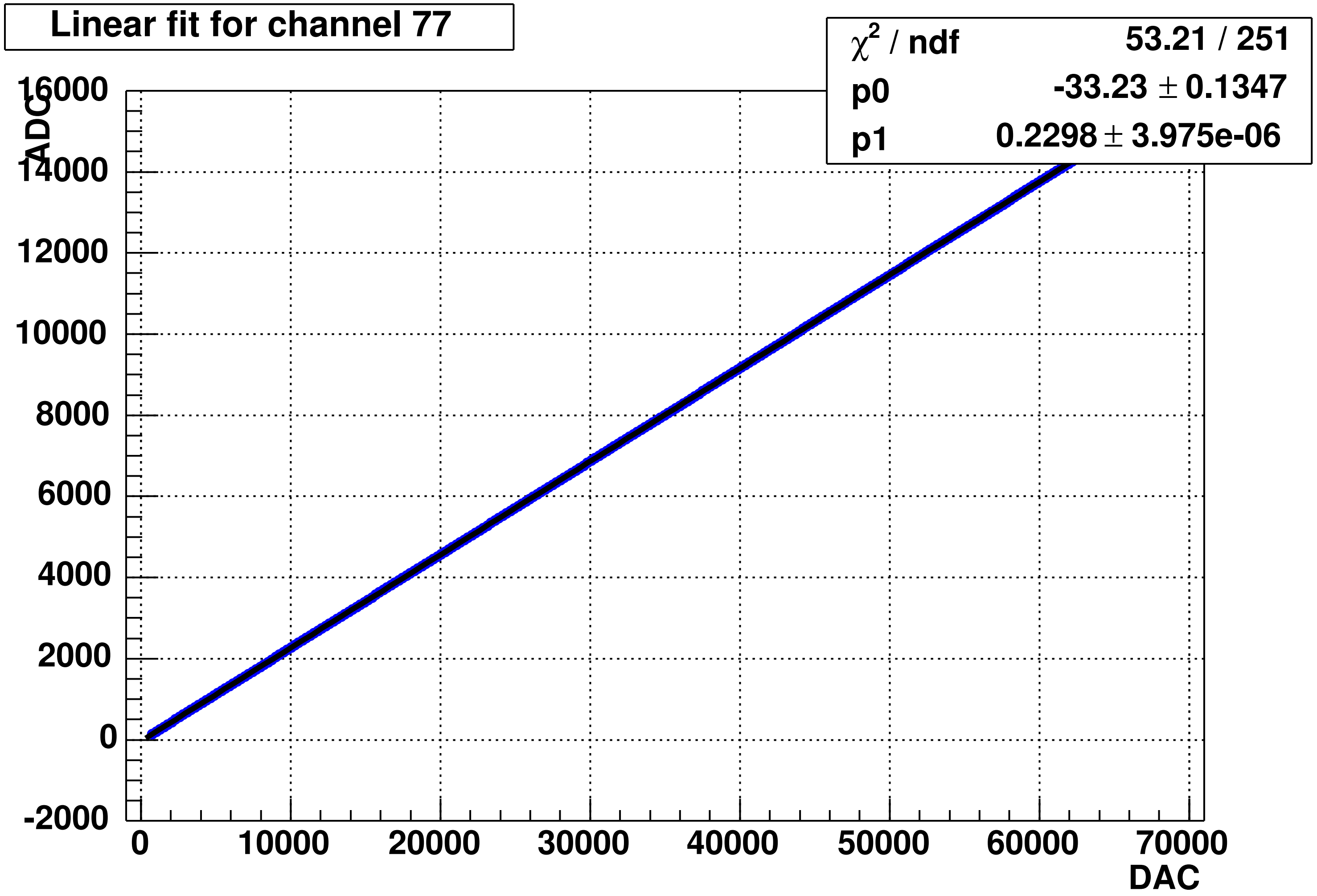


Linear fit for channel 75
χ^2 / ndf 27.25 / 251
p0 -142.9 ± 0.1338
p1 0.2315 ± 3.942e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

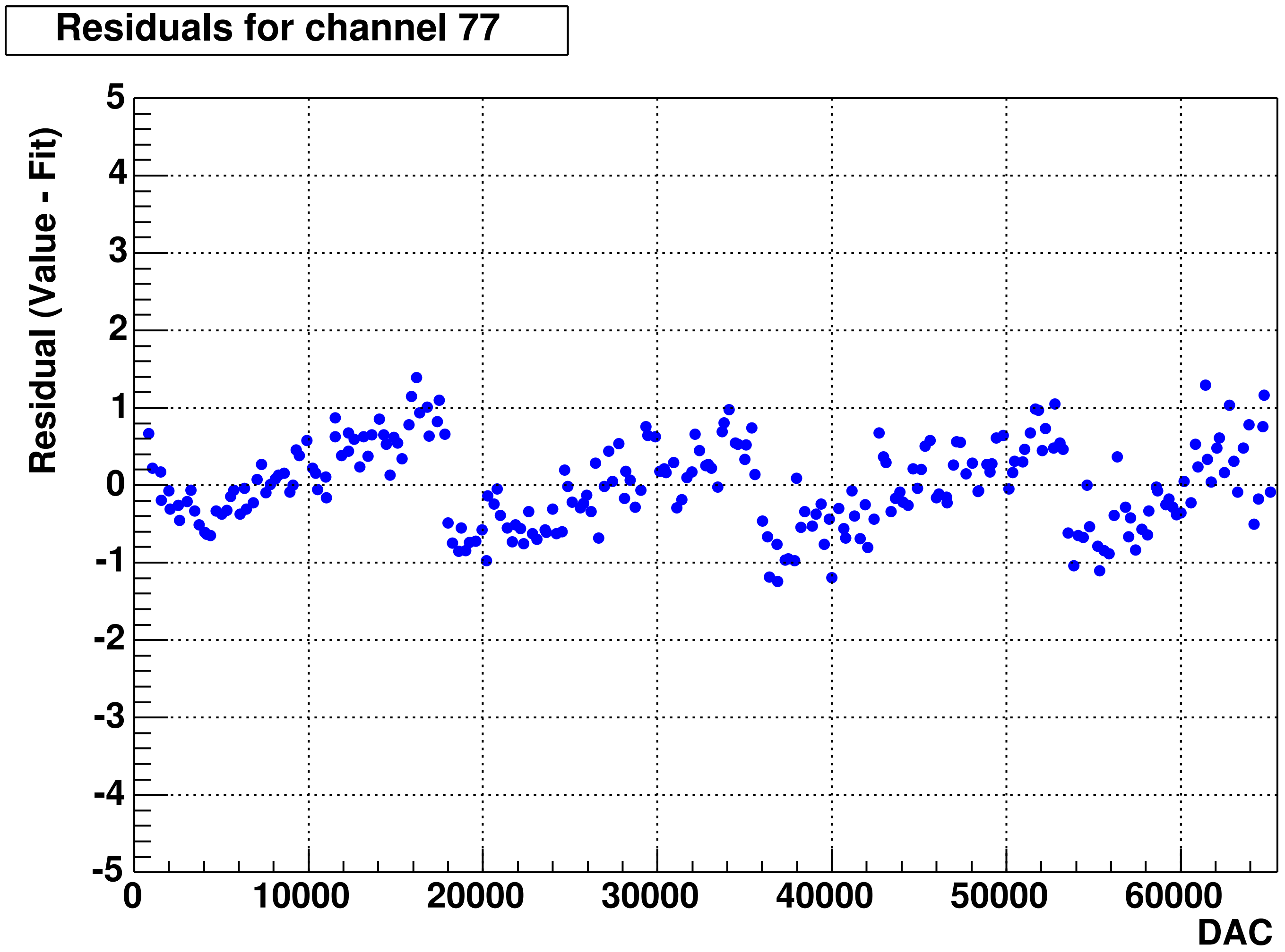

Residuals for channel 75
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000

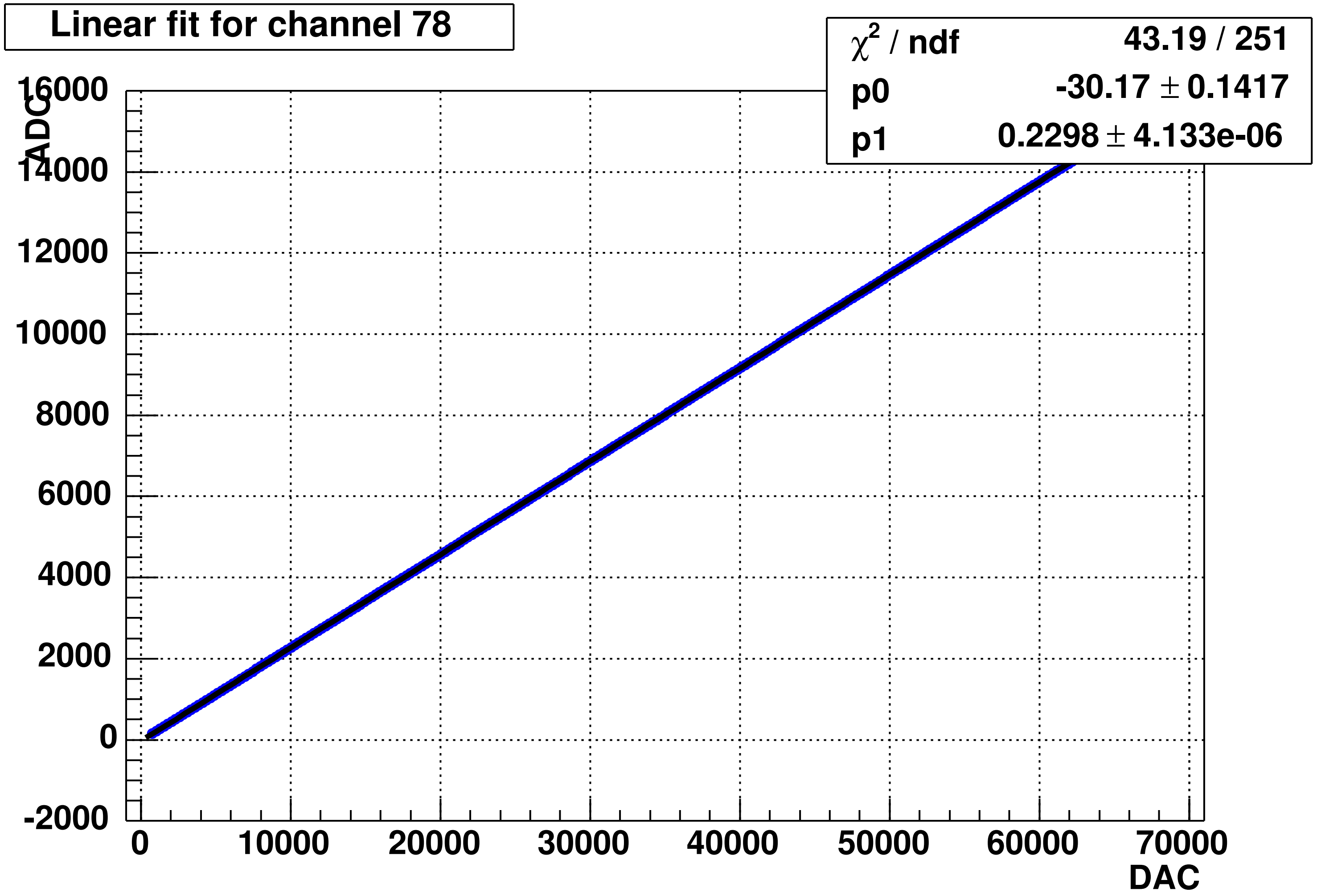

Linear fit for channel 76
χ^2 / ndf 20.74 / 251
p0 -138.3 ± 0.1365
p1 0.2315 ± 4.006e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 76
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

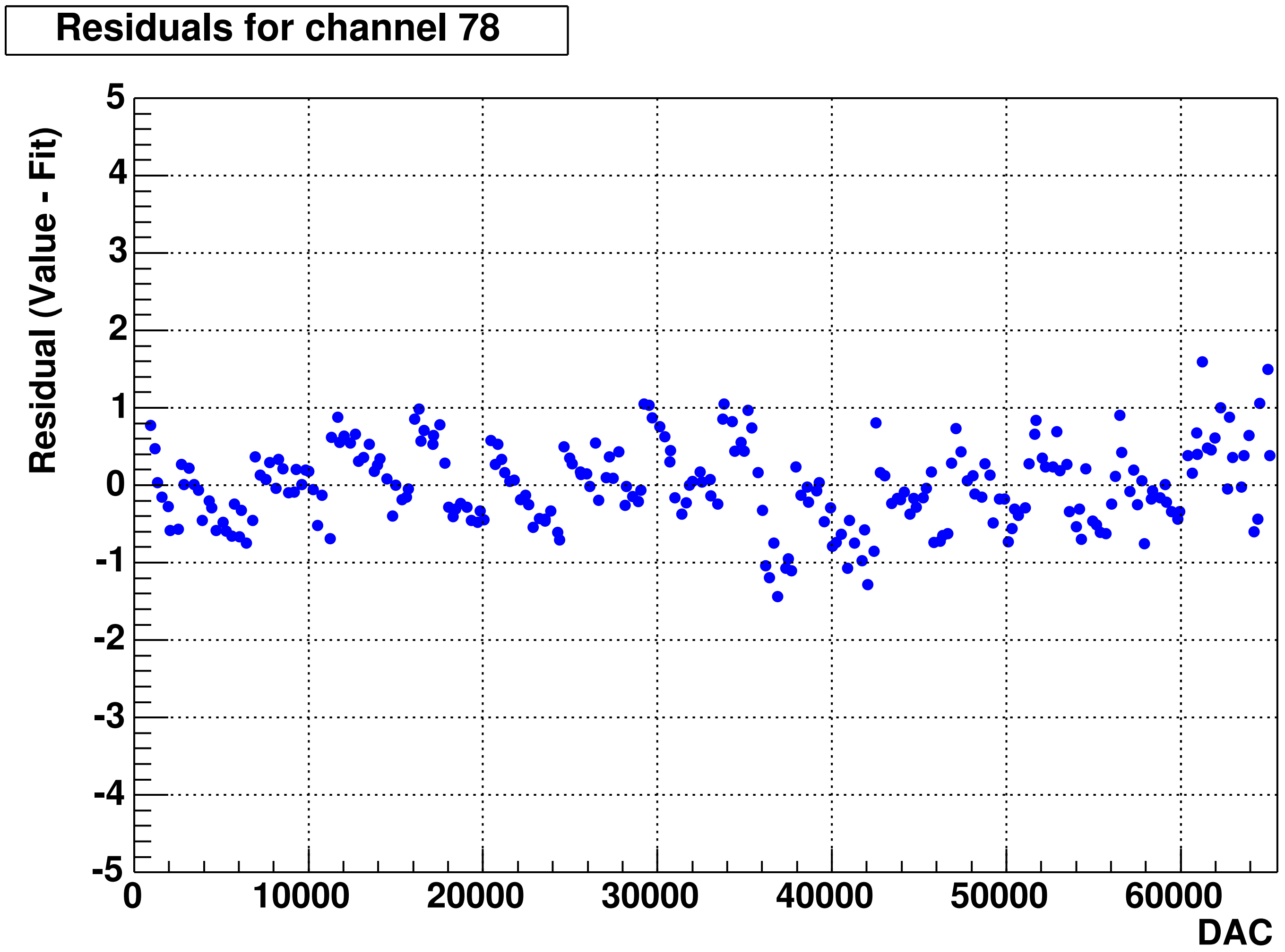


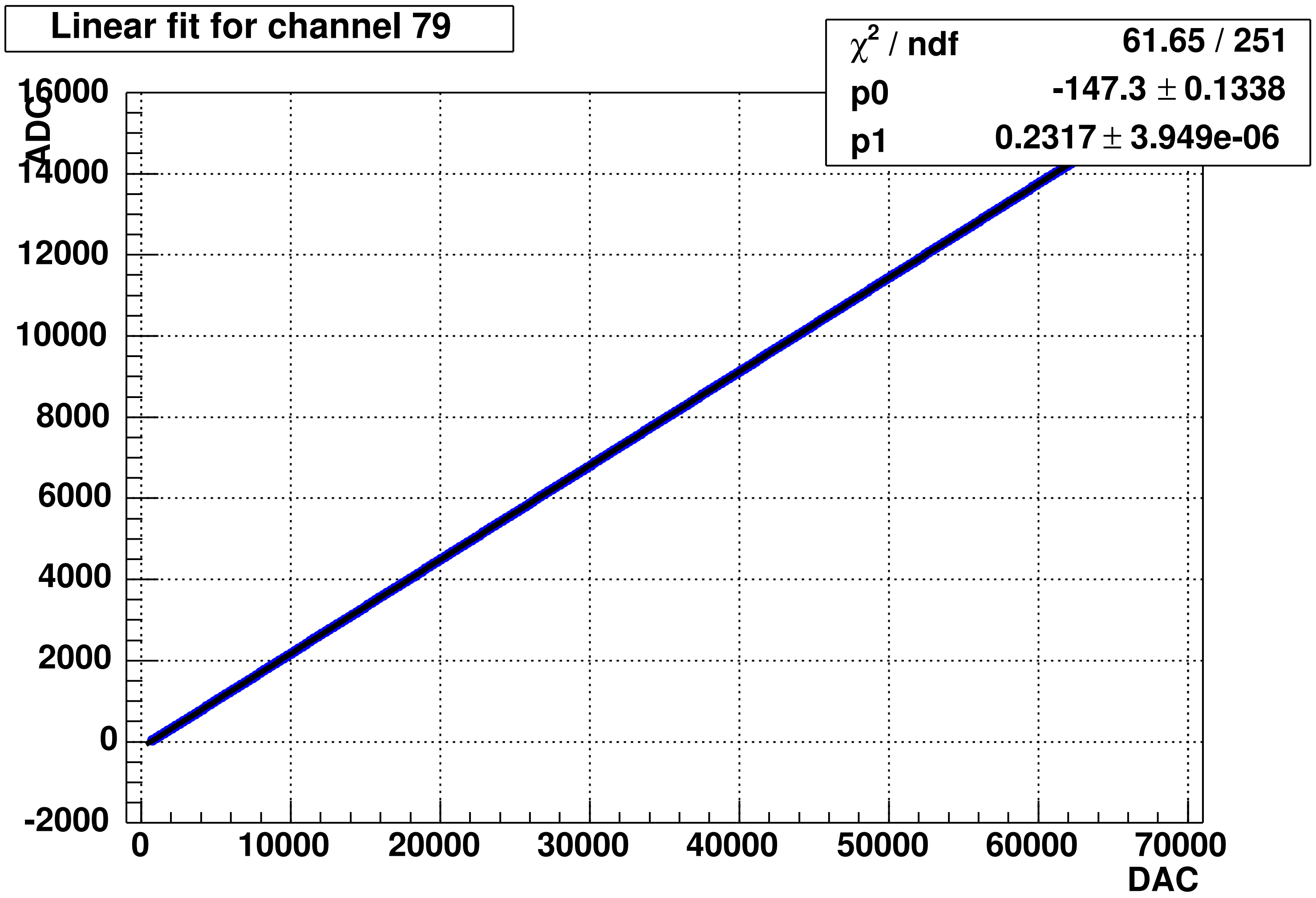
Linear fit for channel 77
χ^2 / ndf 53.21 / 251
p0 -33.23 ± 0.1347
p1 0.2298 ± 3.975e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 77
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

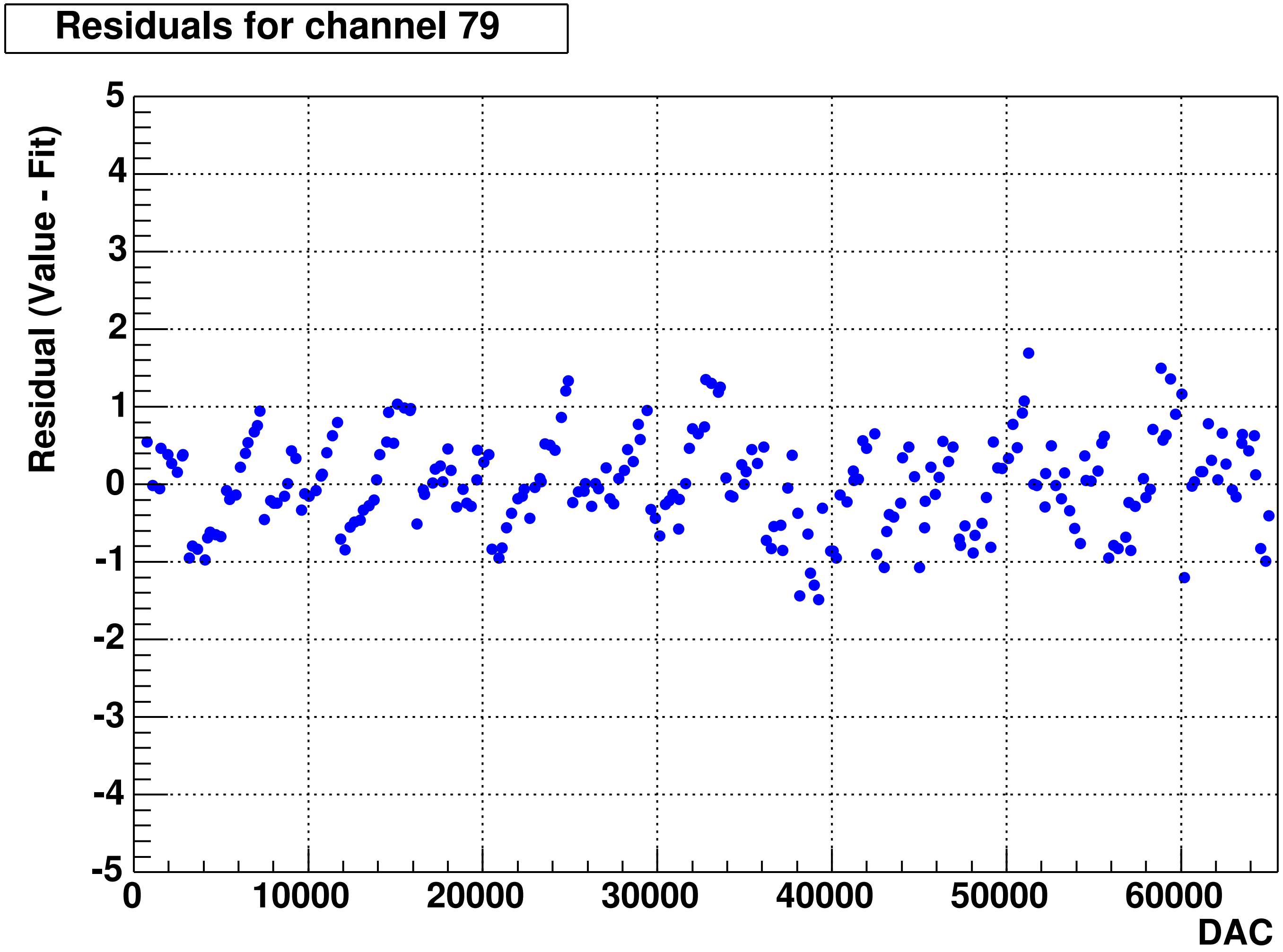


Linear fit for channel 78
χ^2 / ndf 43.19 / 251
p0 -30.17 ± 0.1417
p1 0.2298 ± 4.133e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

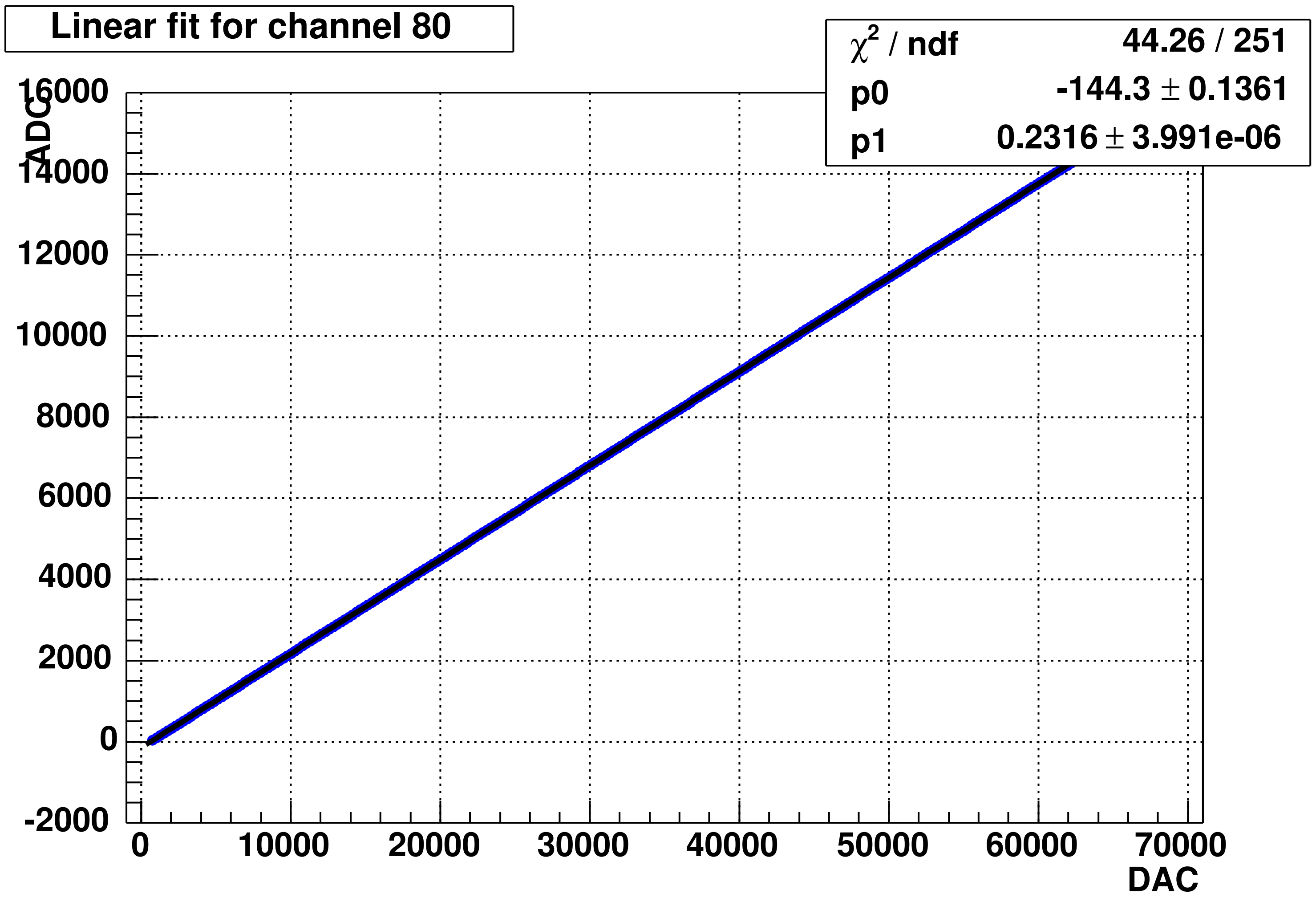

Residuals for channel 78
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

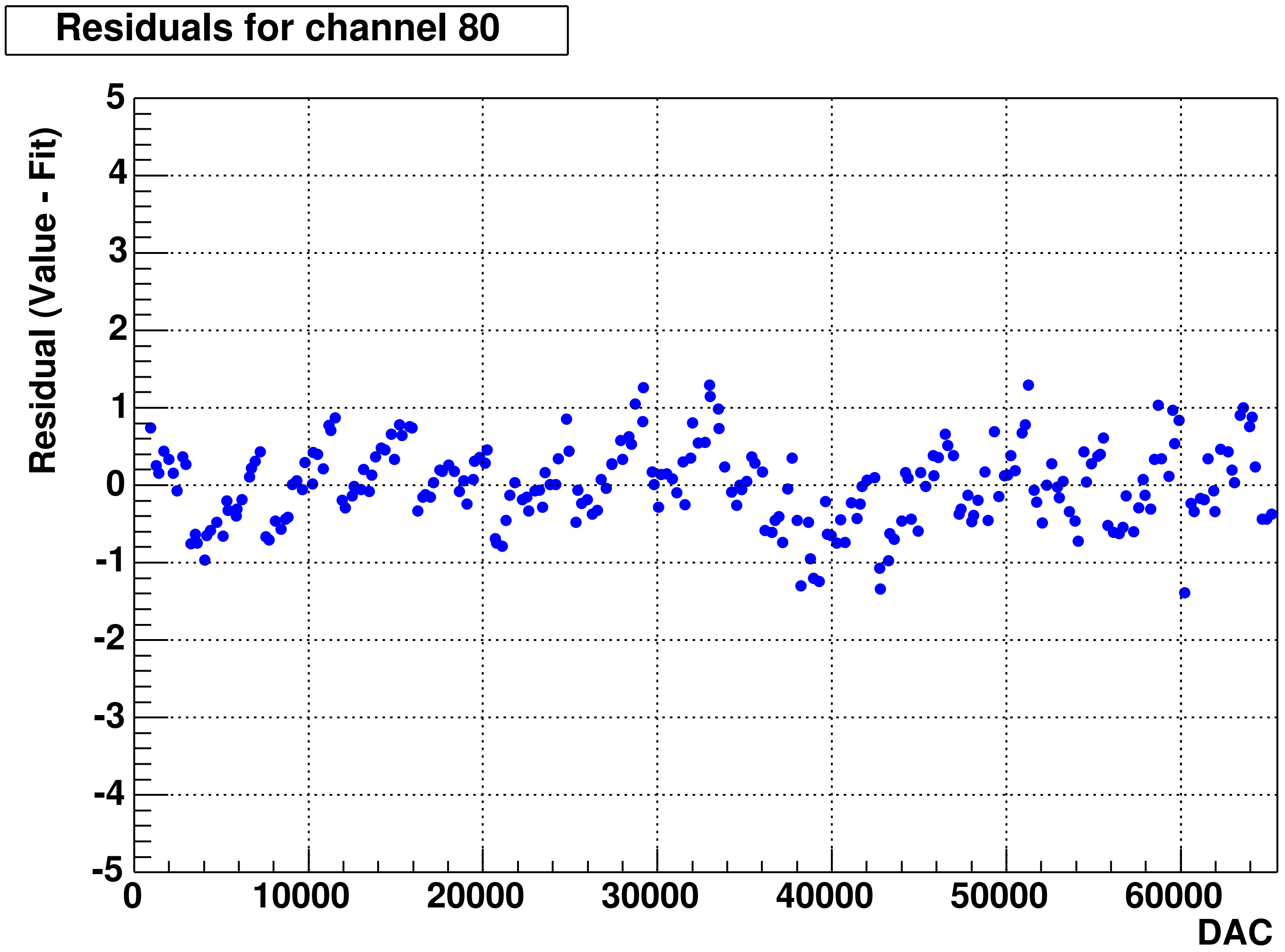


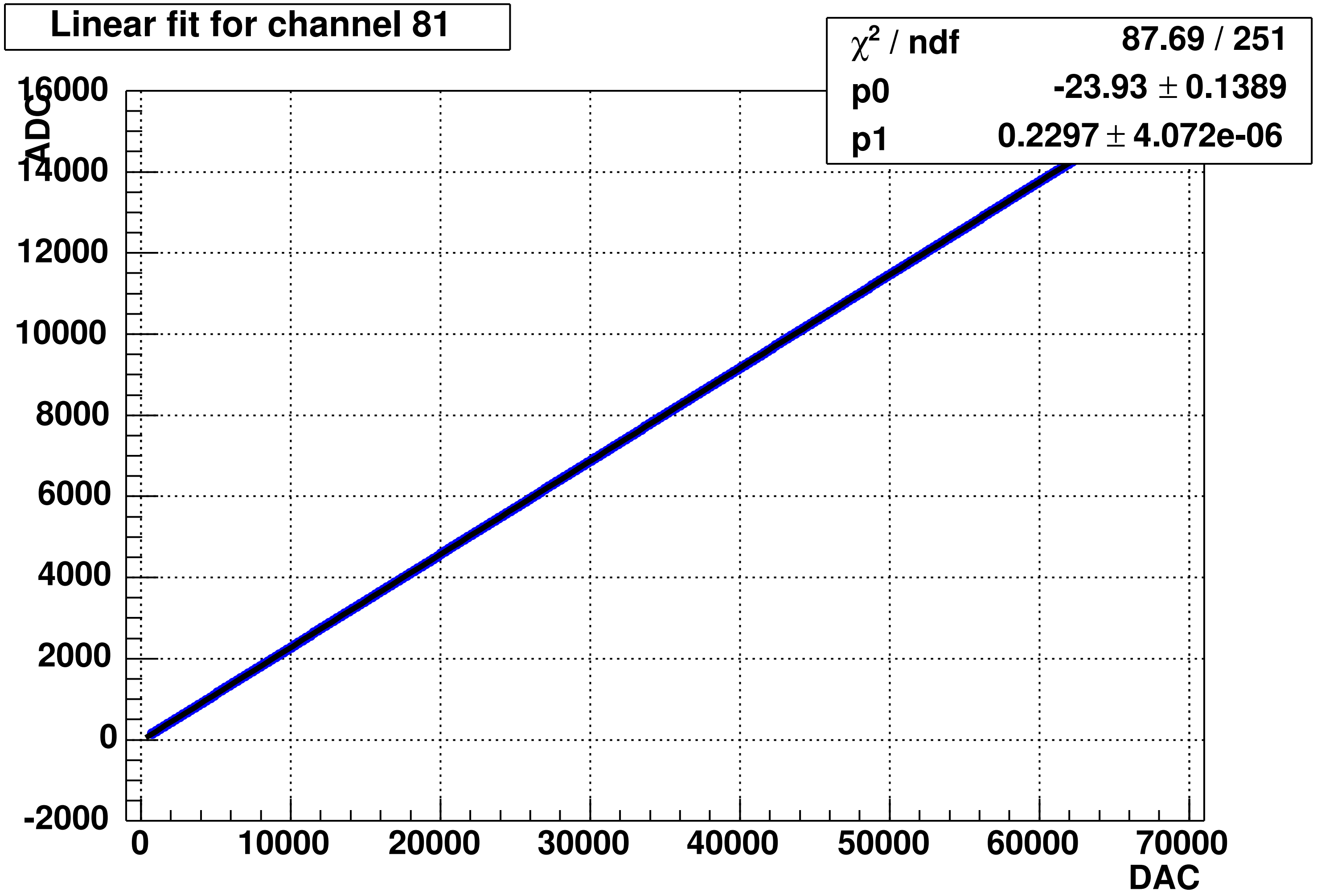
Linear fit for channel 79
χ^2 / ndf 61.65 / 251
p0 -147.3 ± 0.1338
p1 0.2317 ± 3.949e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



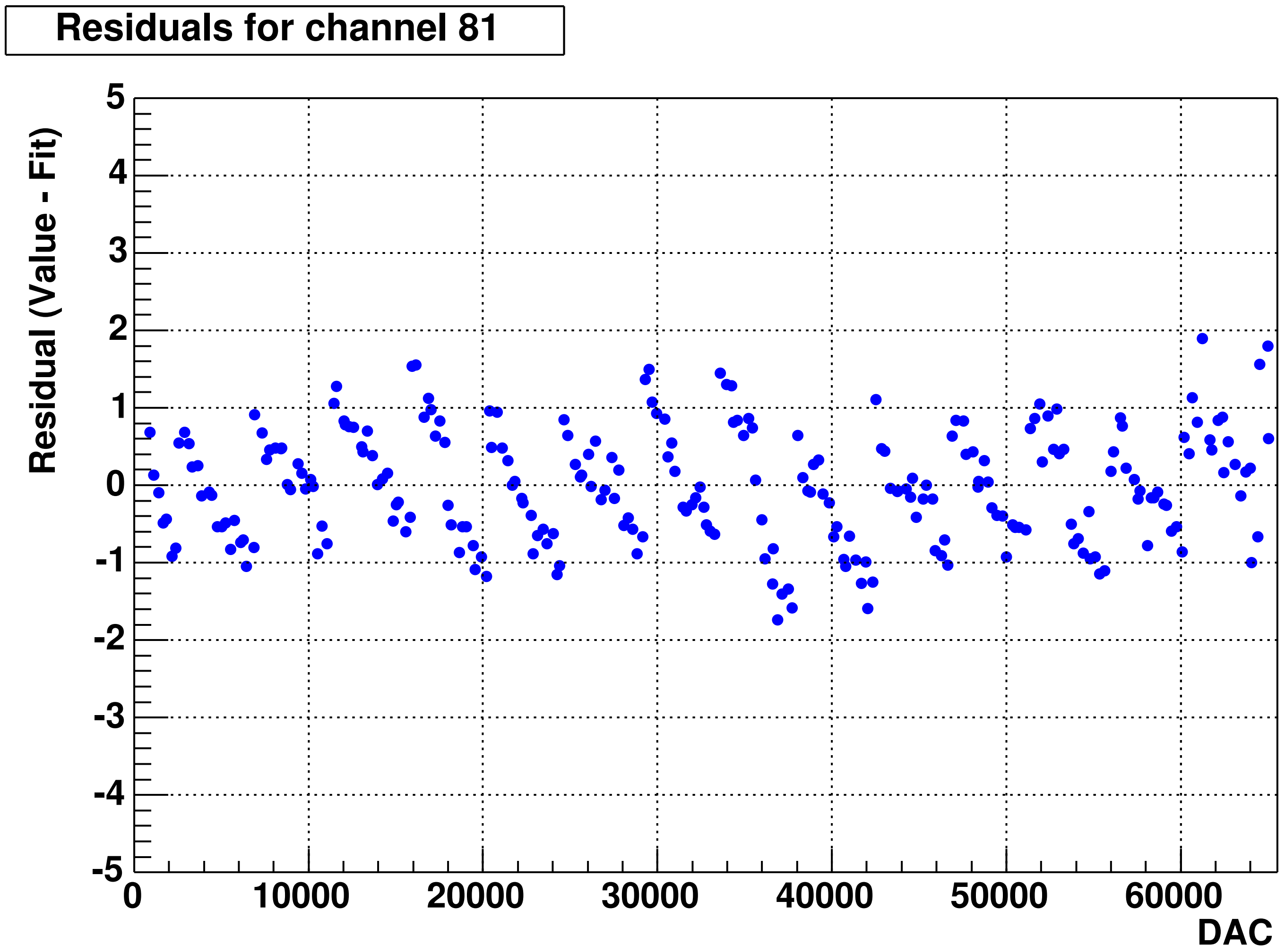
Residuals for channel 79
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 80
χ2 / ndf 44.26 / 251
p0 -144.3 ± 0.1361
p1 0.2316 ± 3.991e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

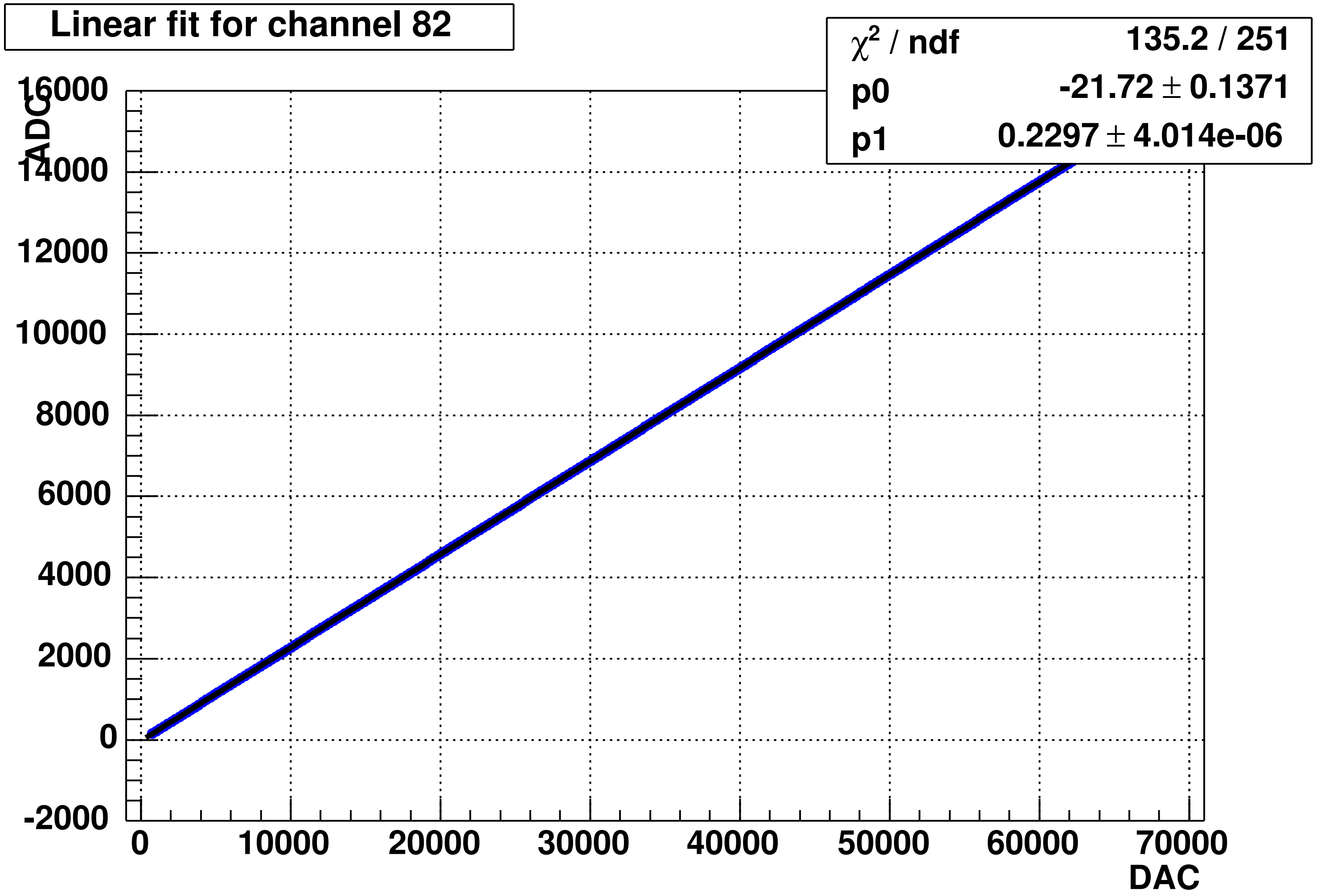

Residuals for channel 80
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



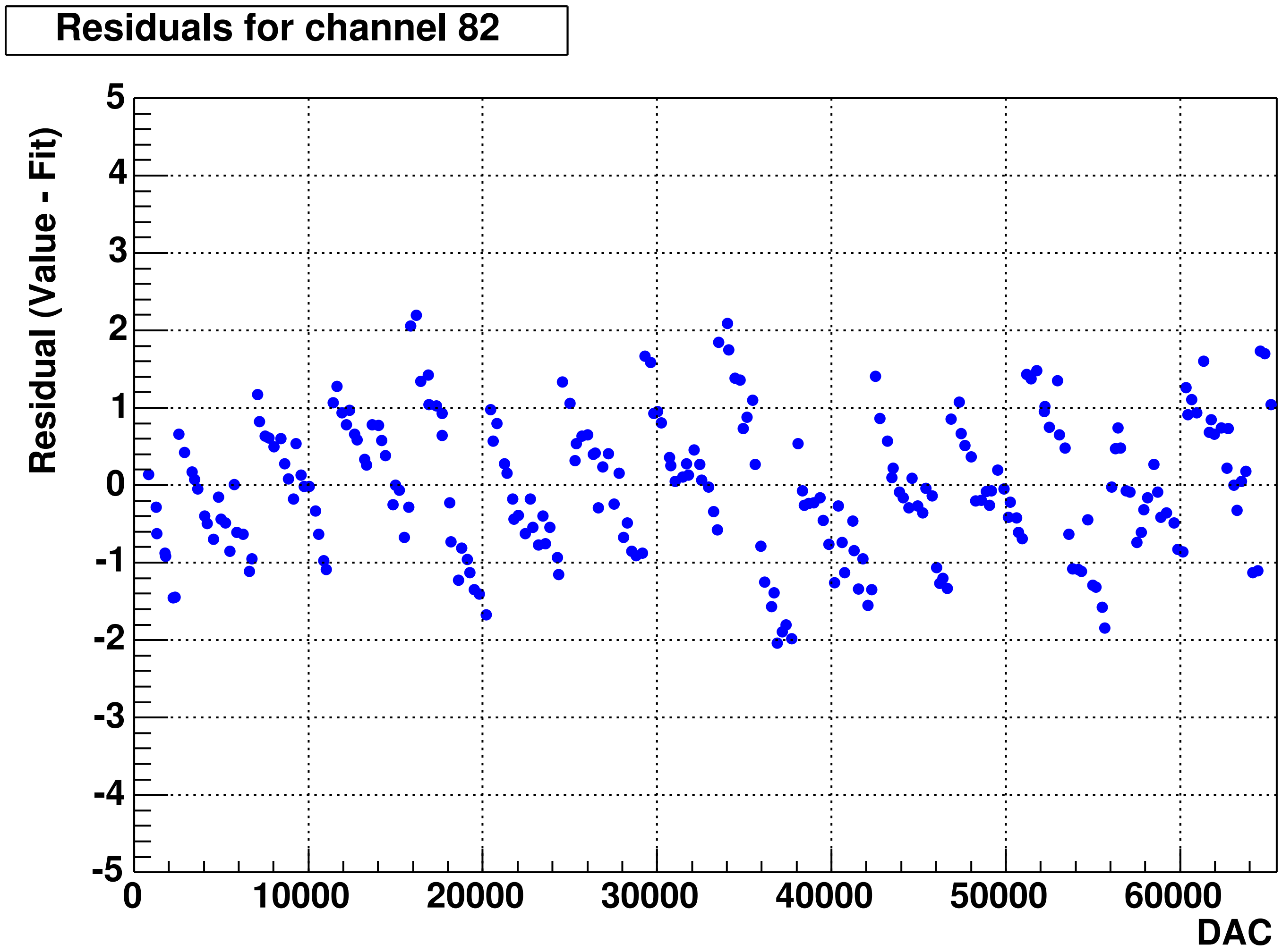
Linear fit for channel 81
χ^2 / ndf 87.69 / 251
p0 -23.93 ± 0.1389
p1 0.2297 ± 4.072e-06
ADC
DAC



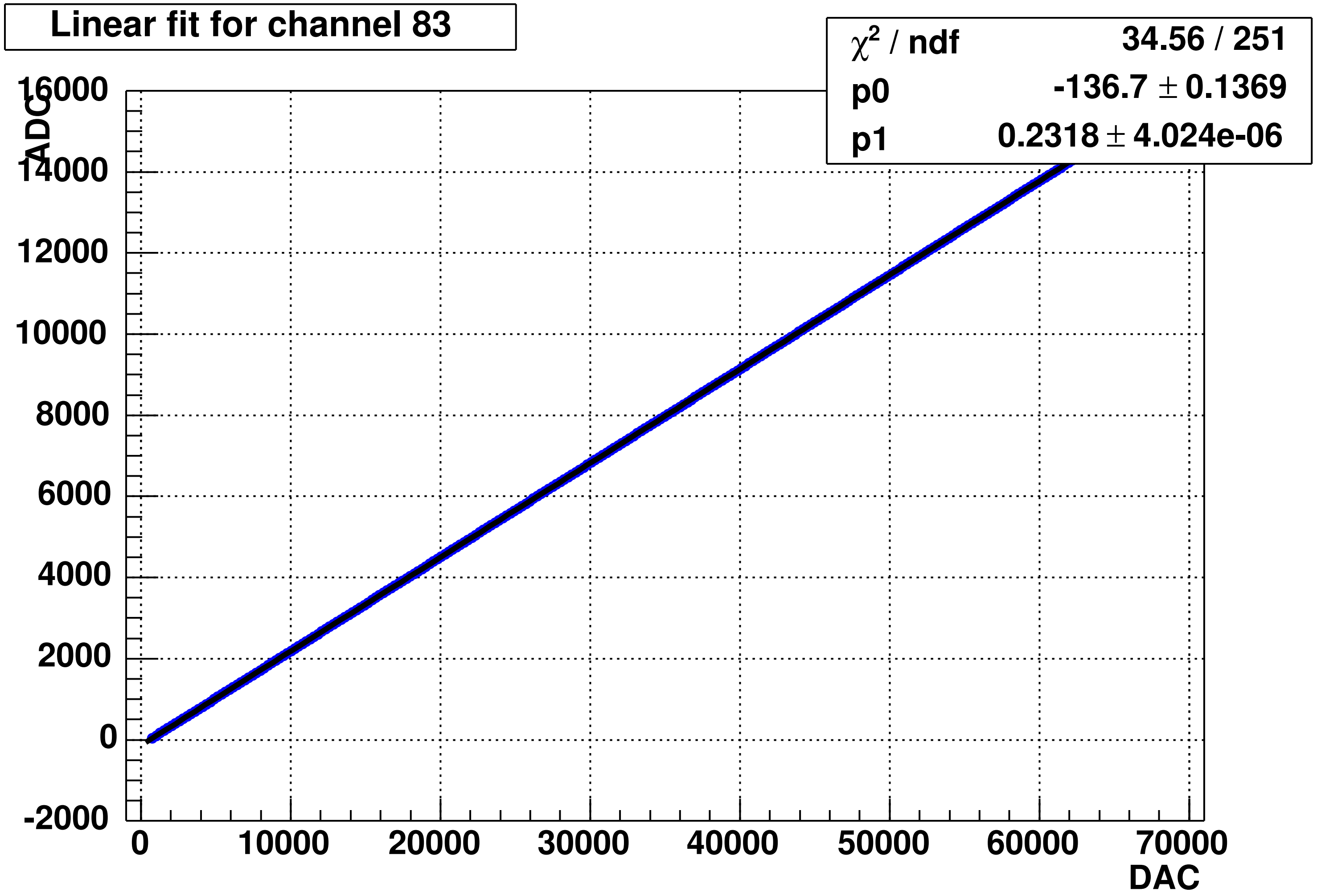
Residuals for channel 81
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



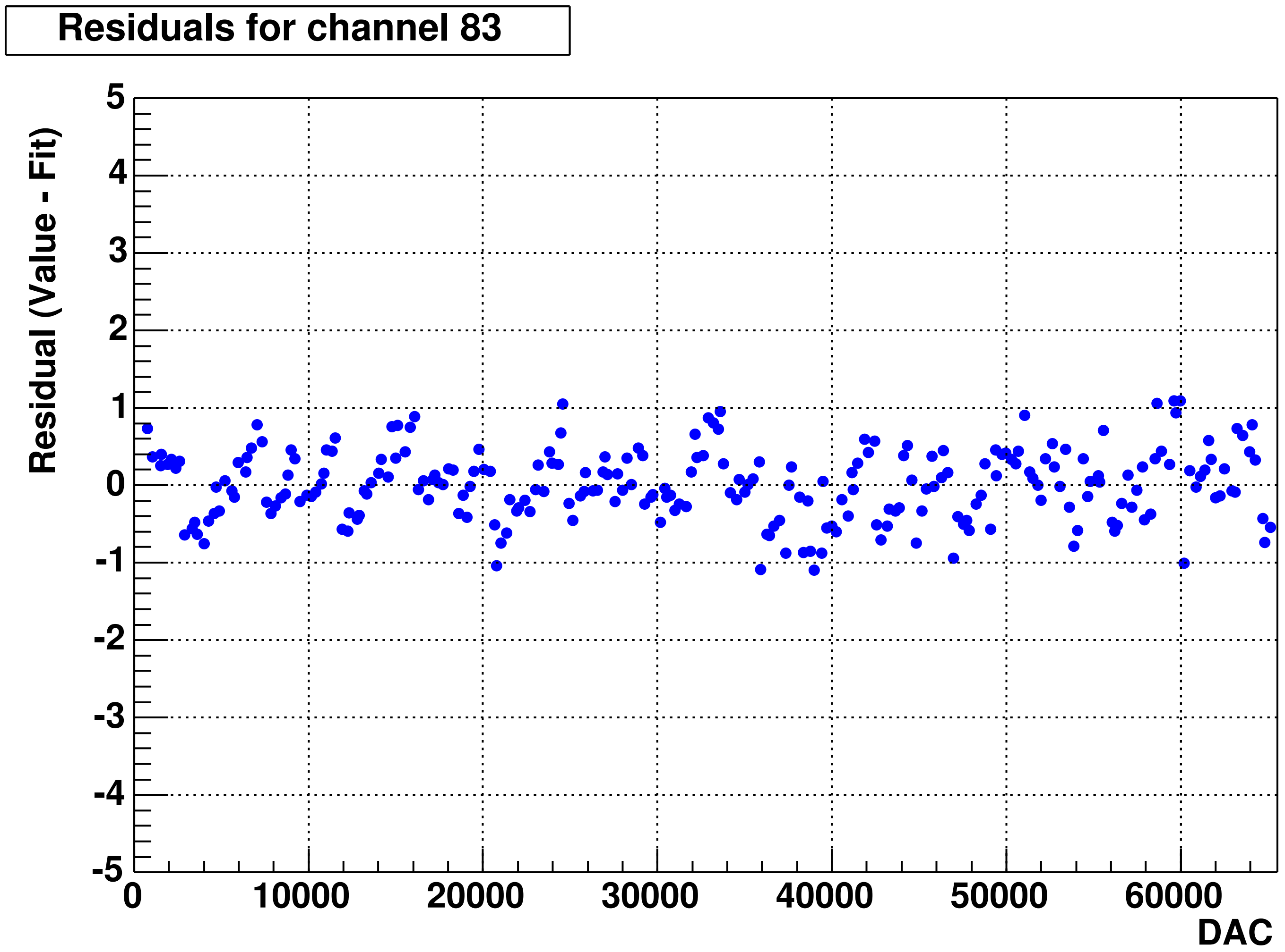
Linear fit for channel 82
χ^2 / ndf 135.2 / 251
p0 -21.72 ± 0.1371
p1 0.2297 ± 4.014e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

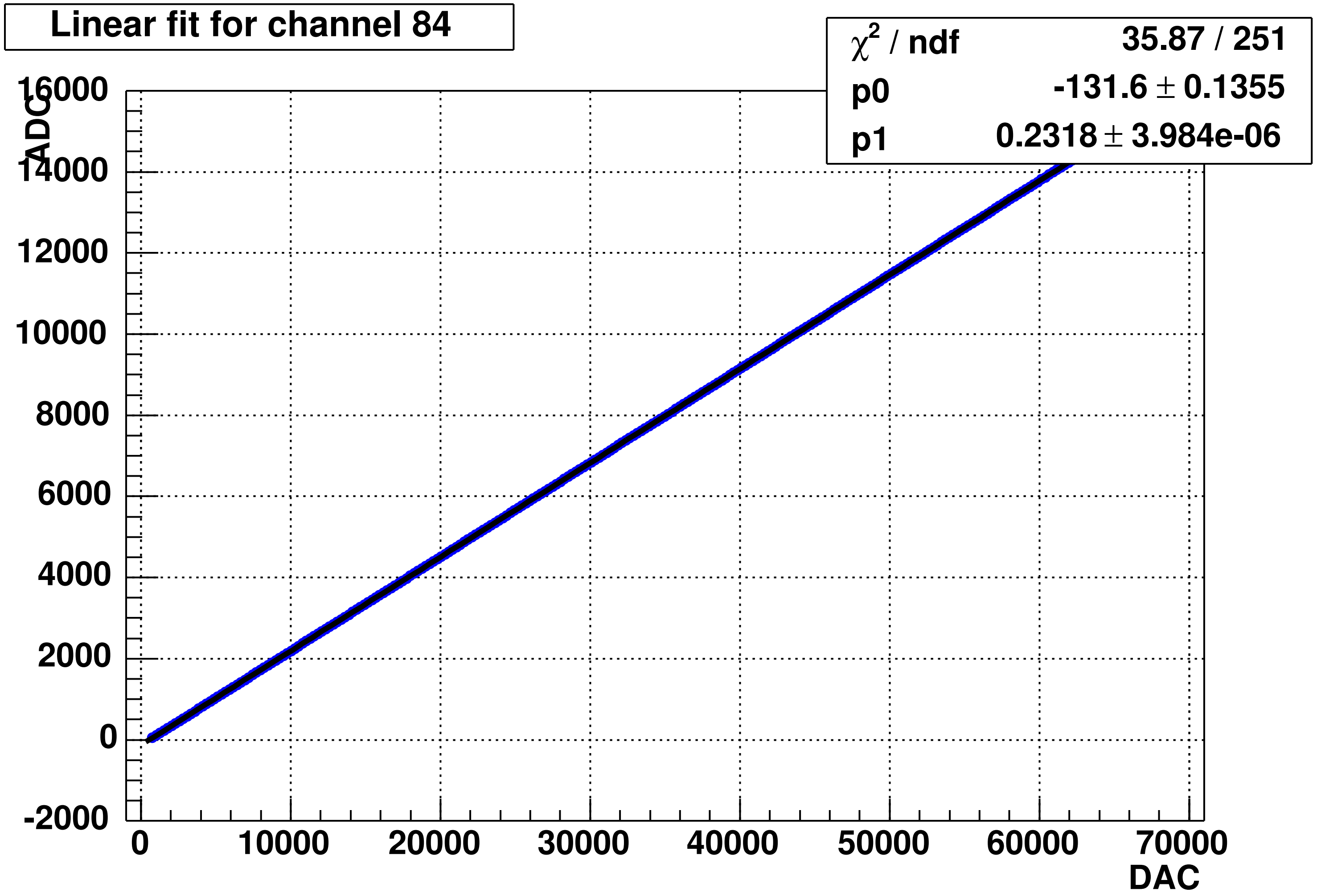


Residuals for channel 82
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

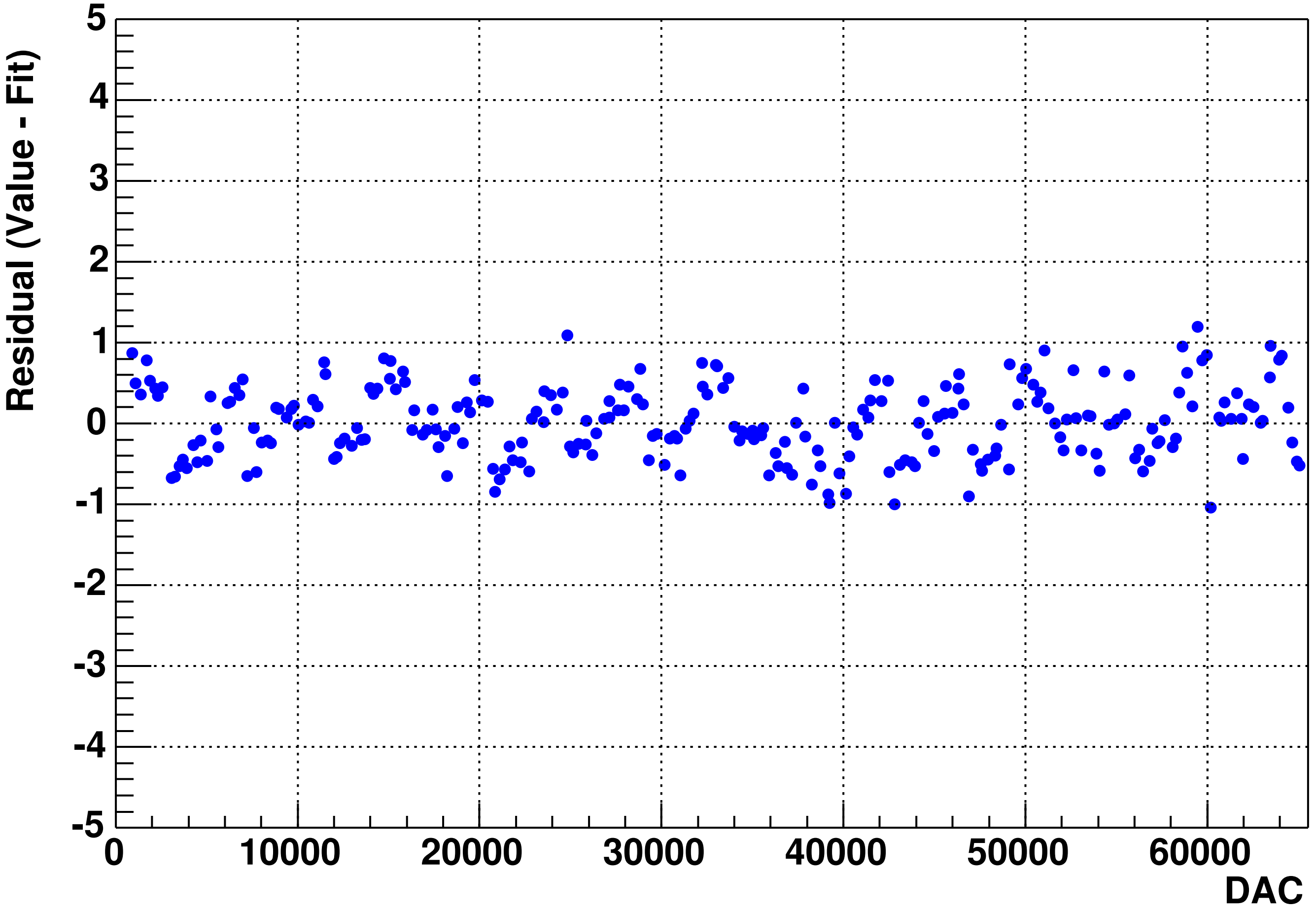


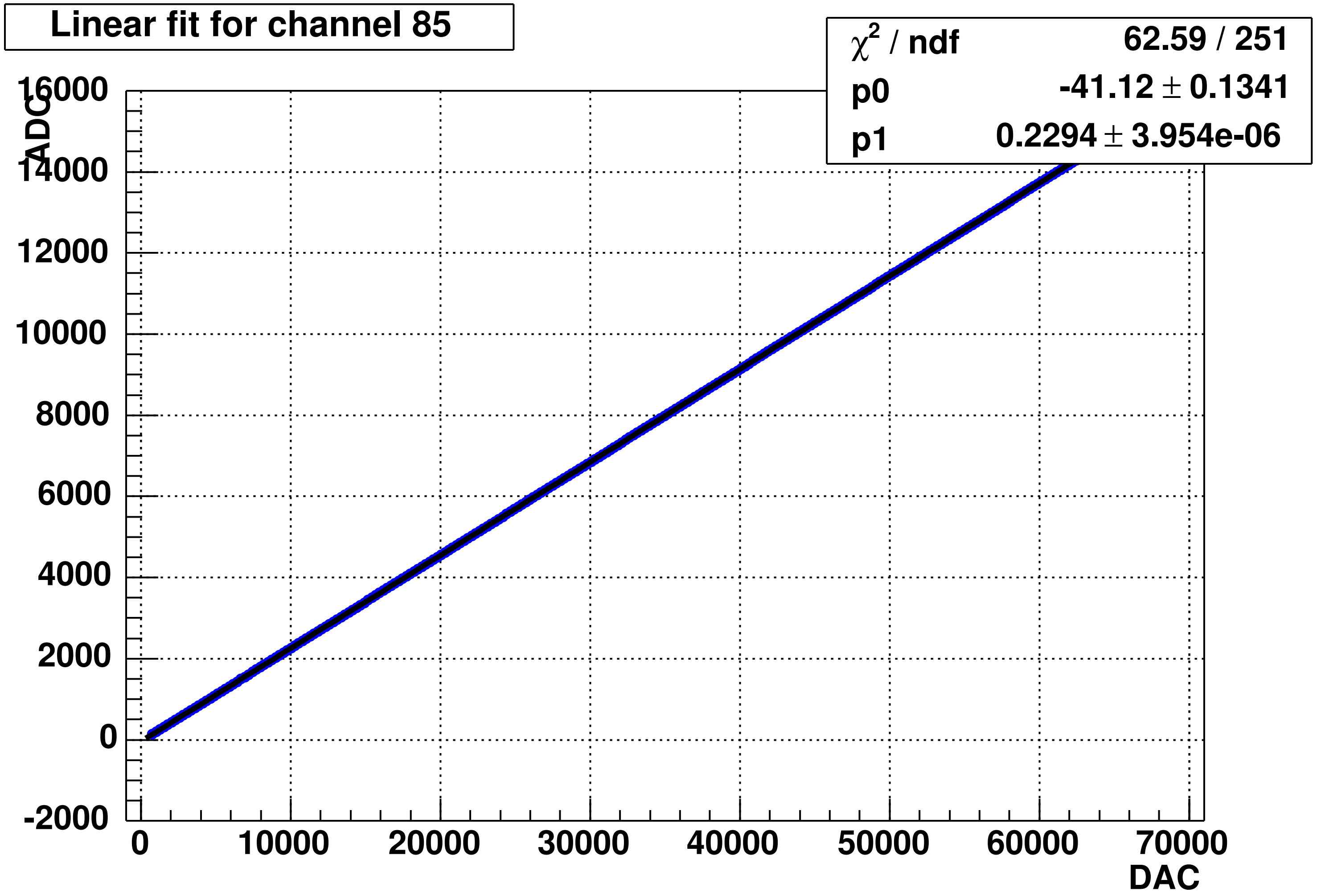
Linear fit for channel 83
χ² / ndf 34.56 / 251
p0 -136.7 ± 0.1369
p1 0.2318 ± 4.024e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 83
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

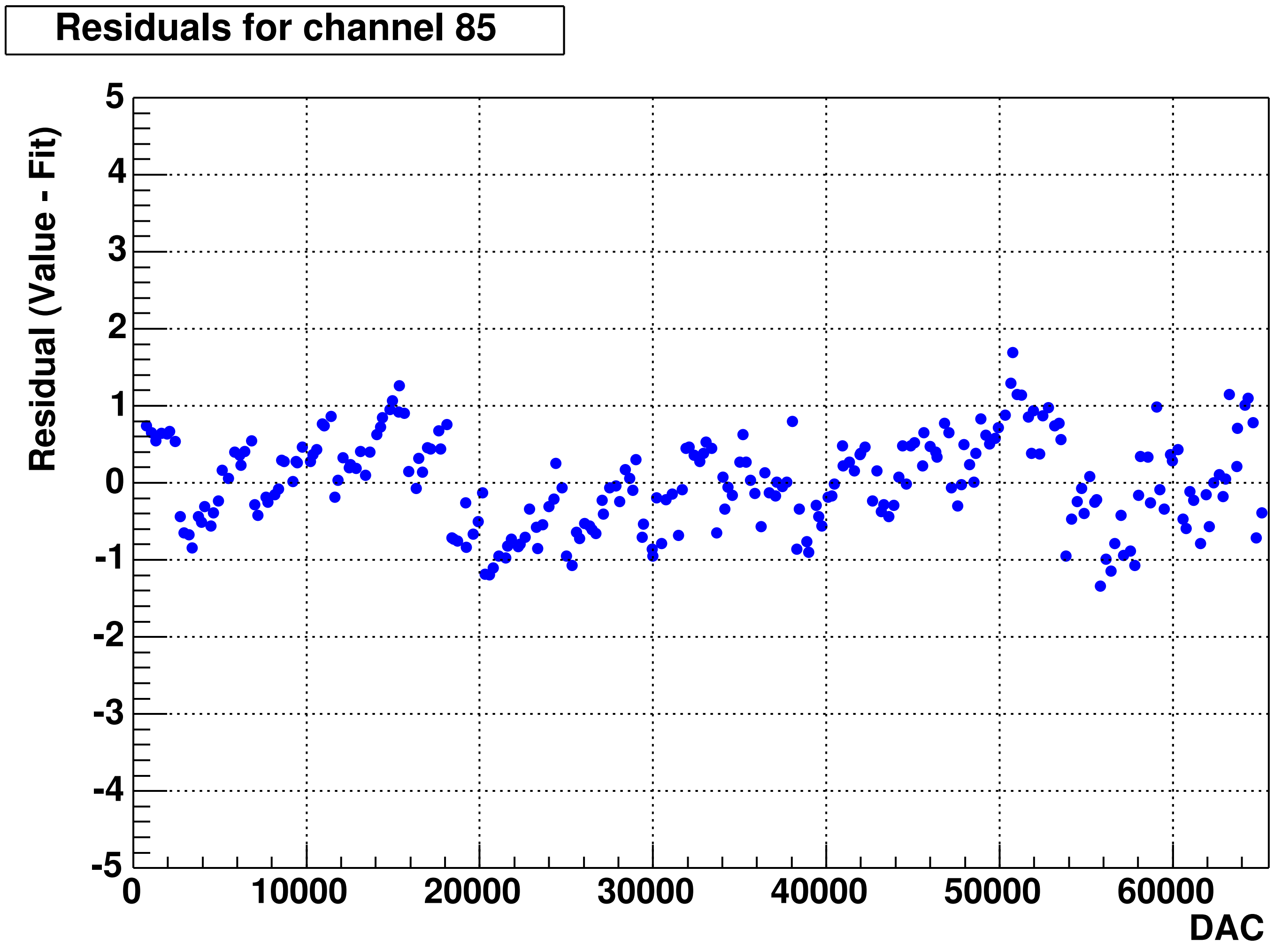

Linear fit for channel 84
χ^2 / ndf 35.87 / 251
p0 -131.6 ± 0.1355
p1 0.2318 ± 3.984e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

Residuals for channel 84

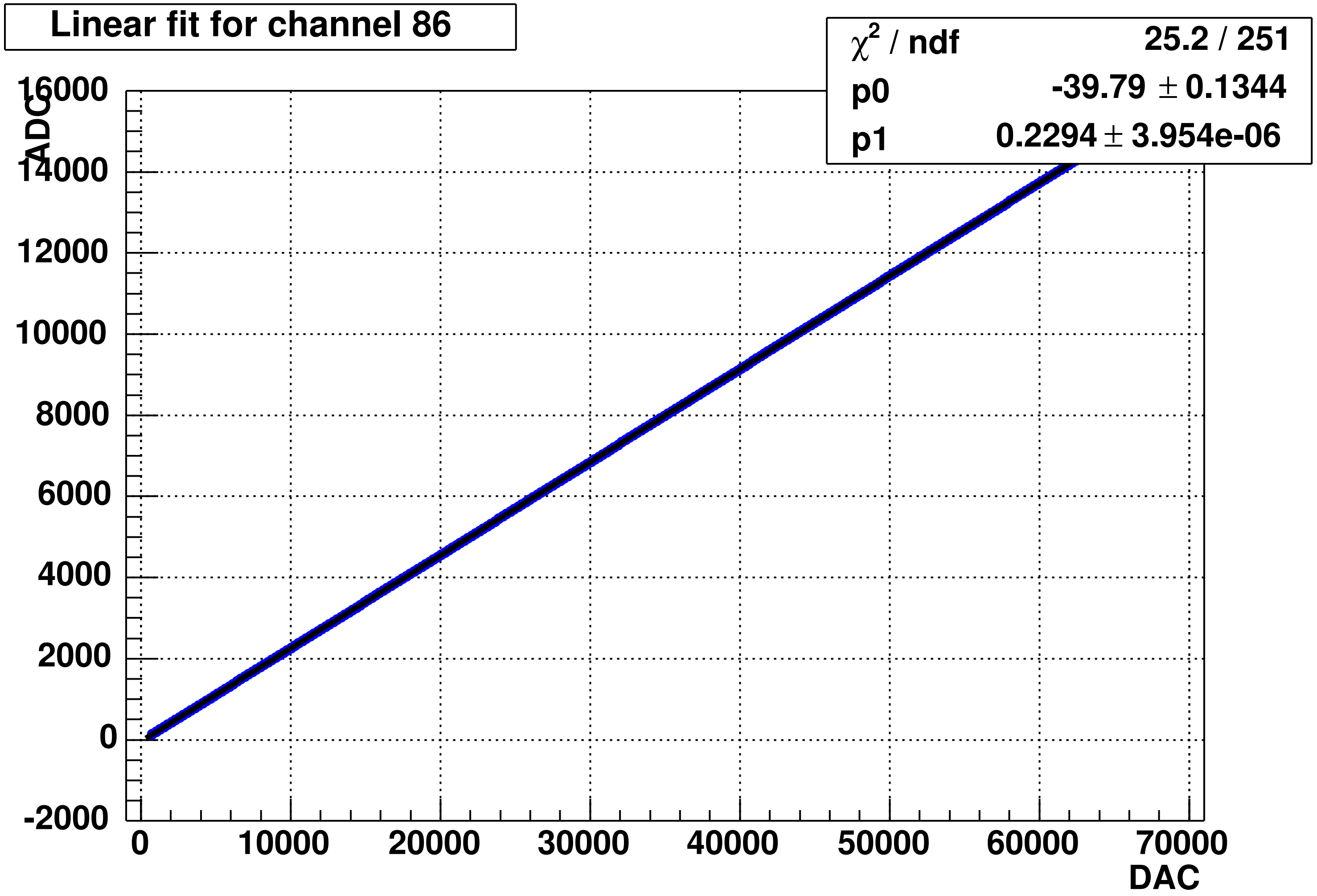


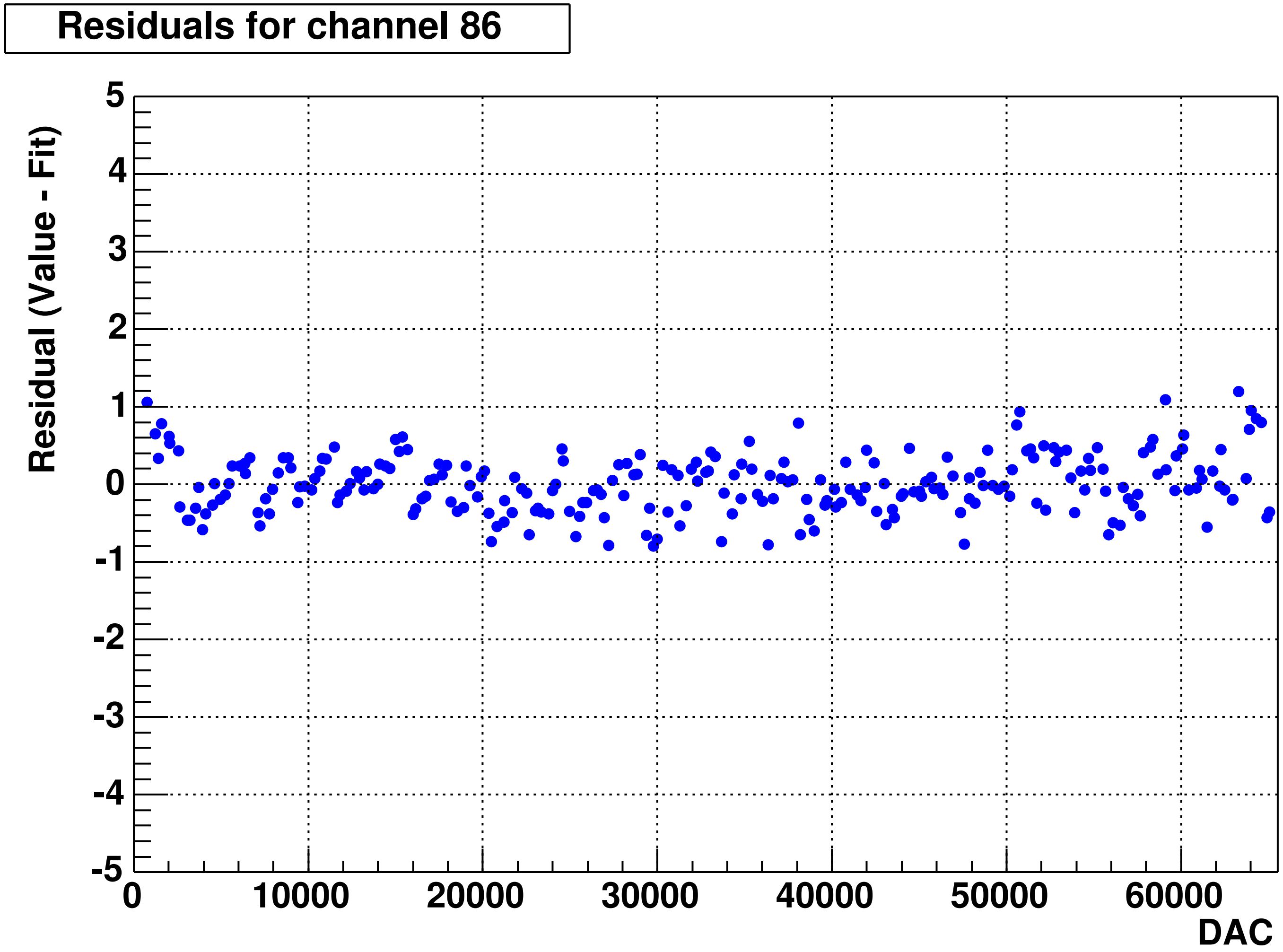


Linear fit for channel 85
χ^2 / ndf 62.59 / 251
p0 -41.12 ± 0.1341
p1 0.2294 ± 3.954e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

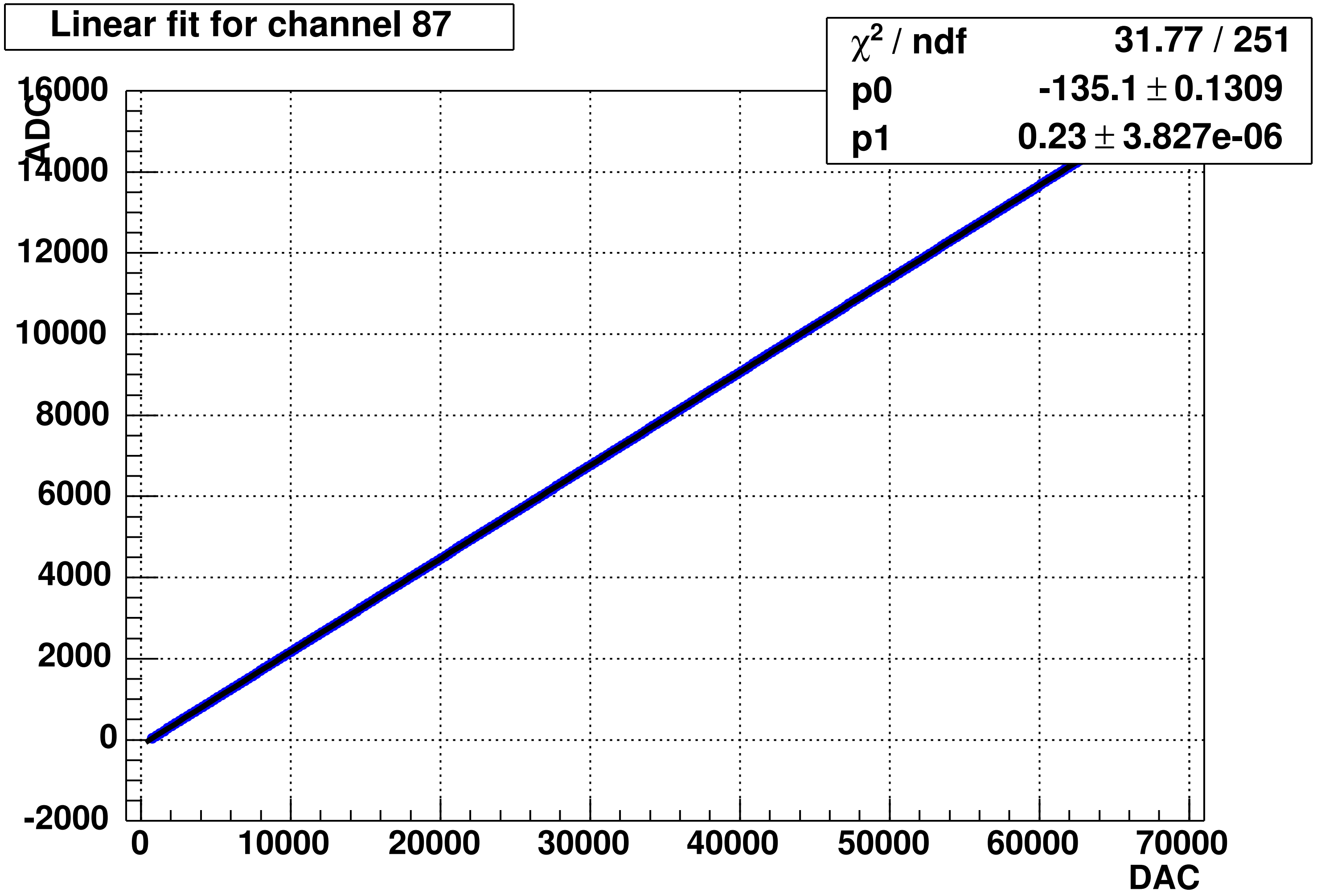


Residuals for channel 85
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC


Linear fit for channel 86
χ2 / ndf 25.2 / 251
p0 -39.79 ± 0.1344
p1 0.2294 ± 3.954e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

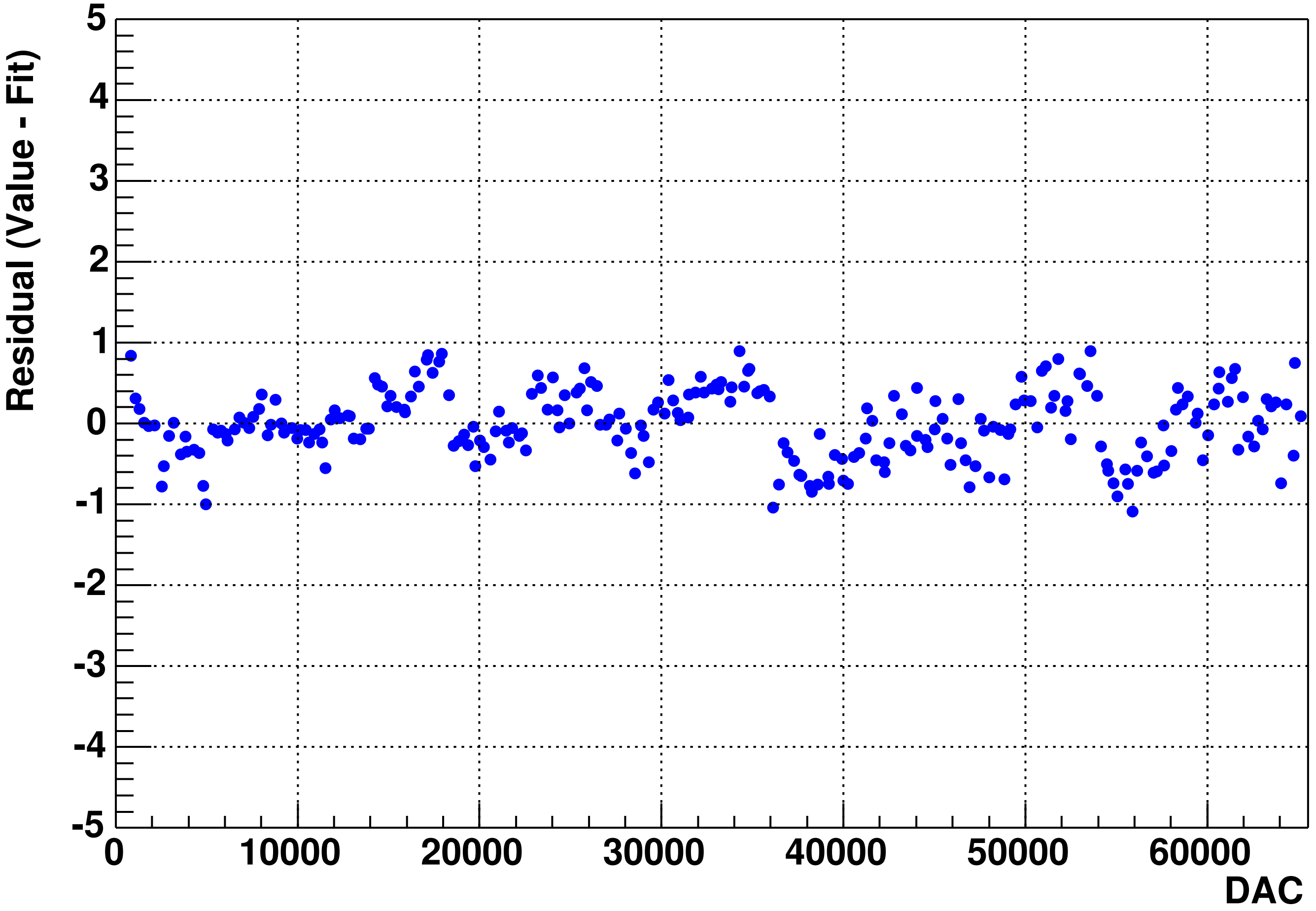


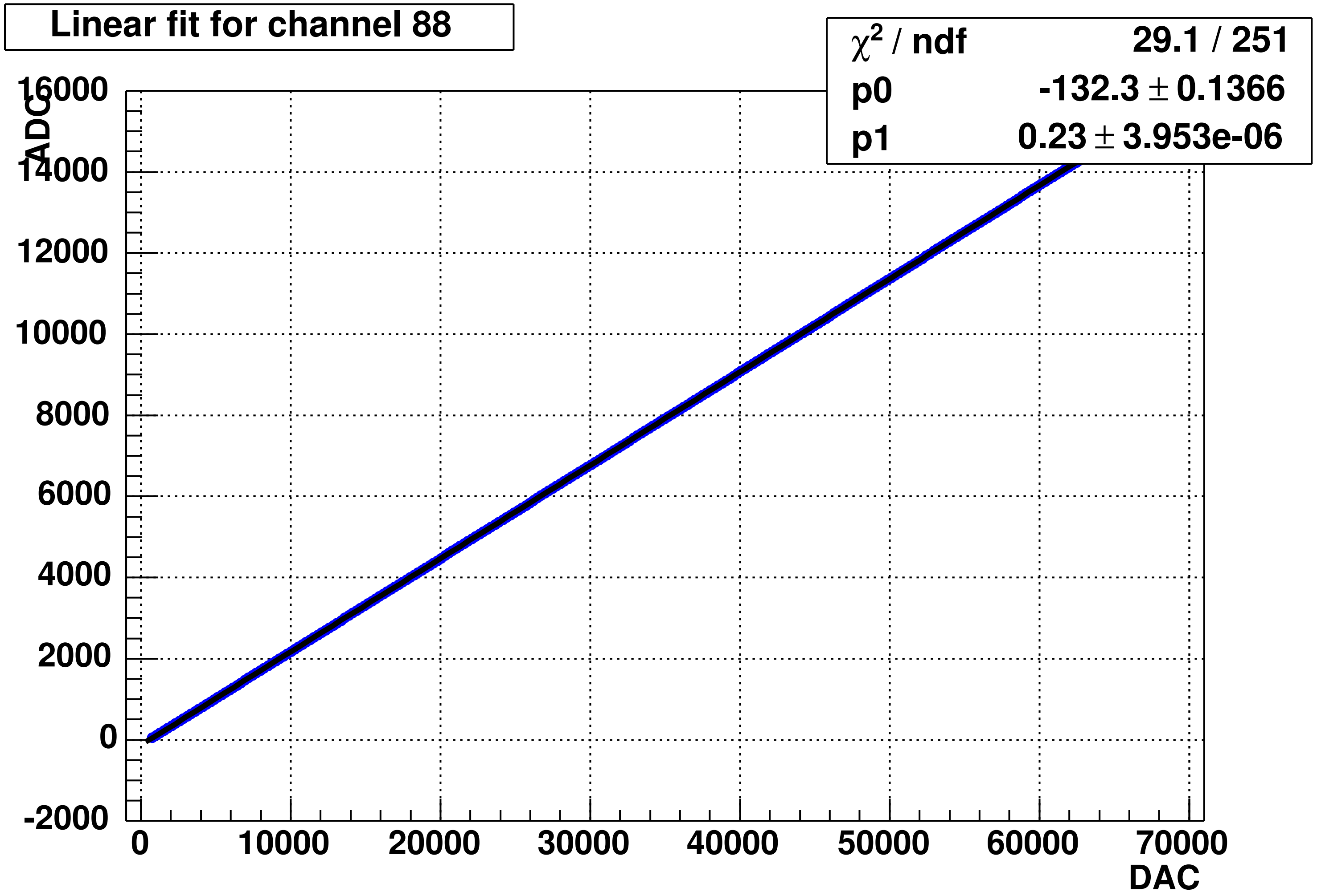
Residuals for channel 86
Residual (Value - Fit)
DAC
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000



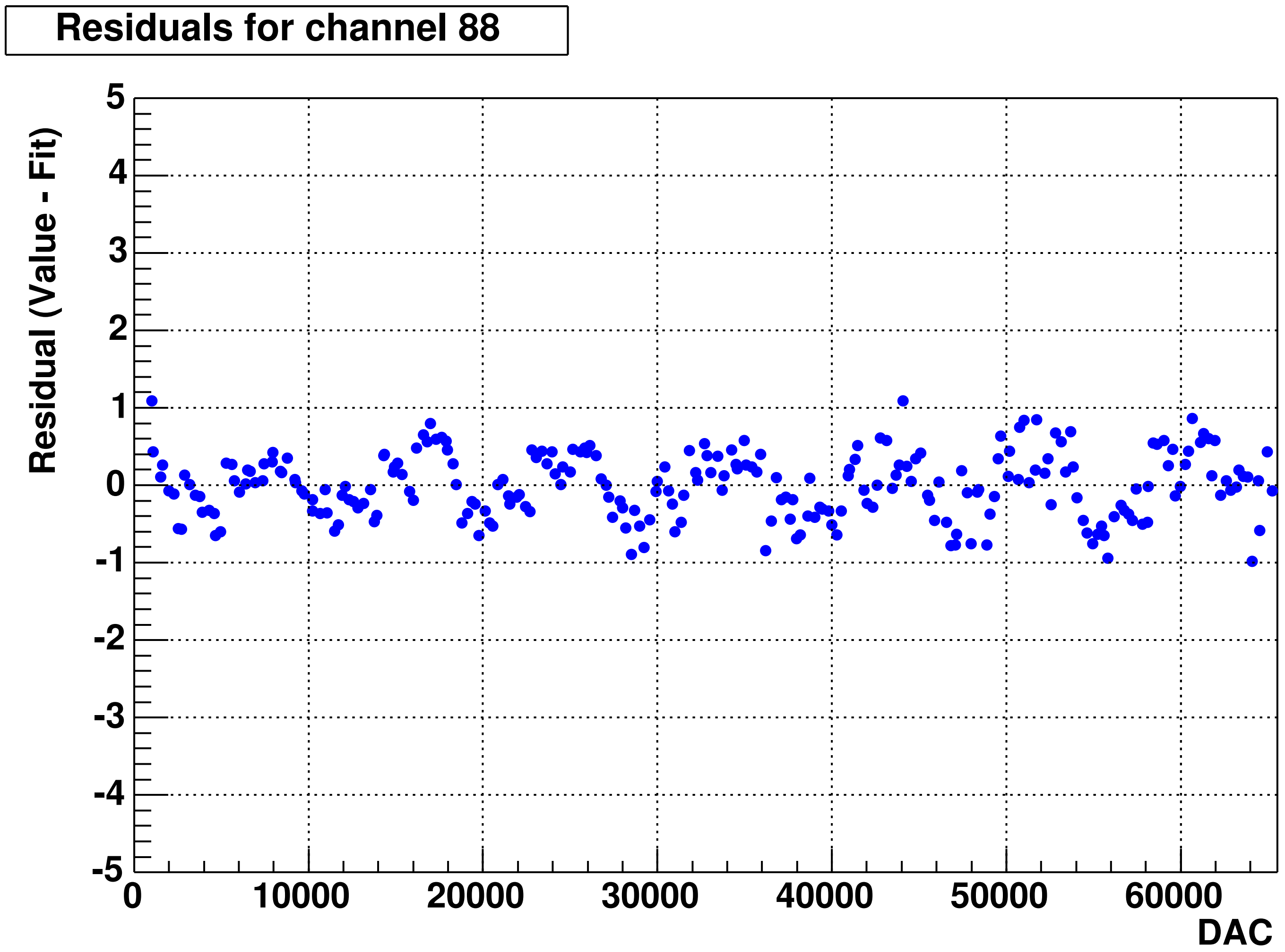
Linear fit for channel 87
χ^2 / ndf 31.77 / 251
p0 -135.1 ± 0.1309
p1 0.23 ± 3.827e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

Residuals for channel 87

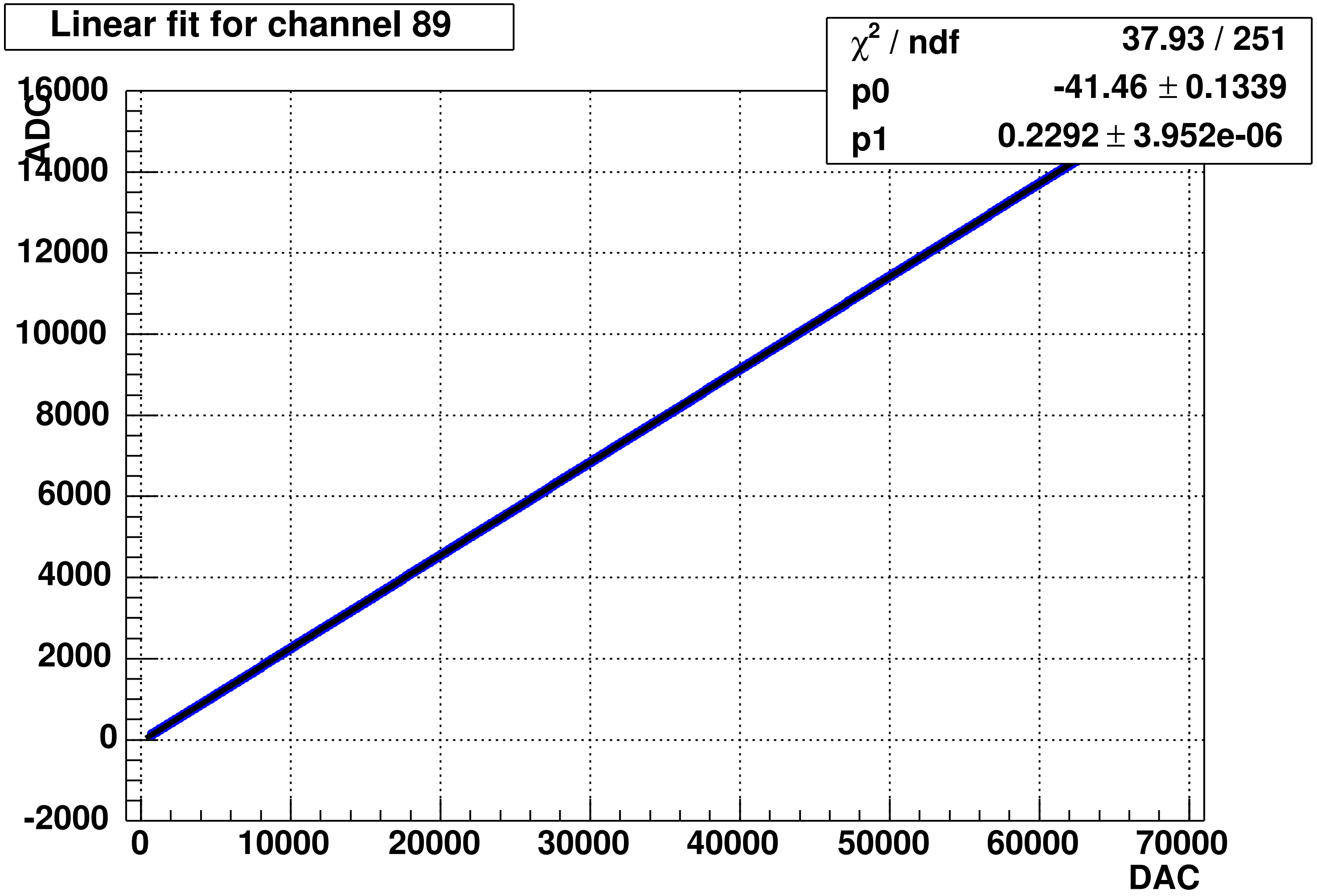




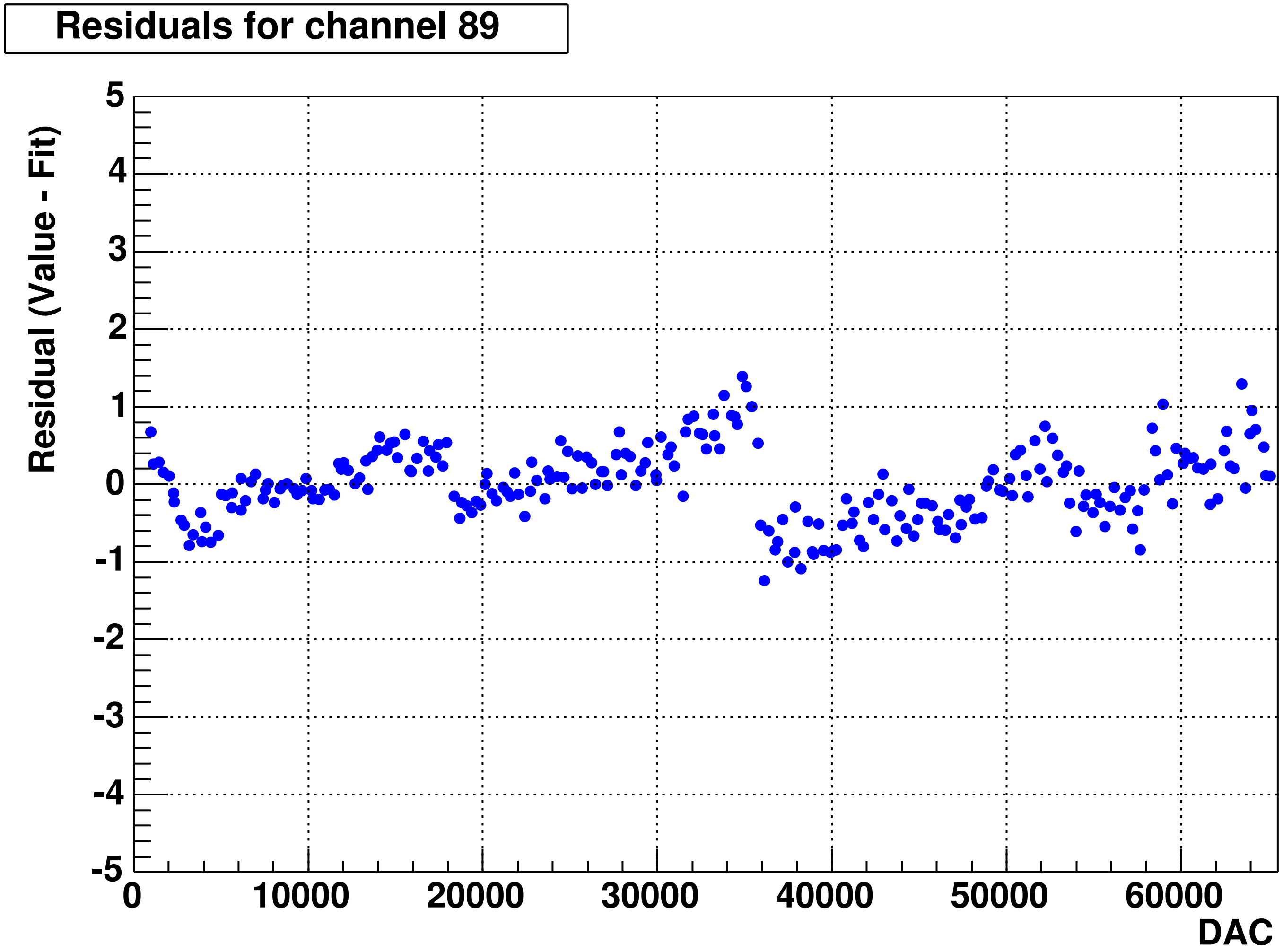
Linear fit for channel 88
χ^2 / ndf 29.1 / 251
p0 -132.3 ± 0.1366
p1 0.23 ± 3.953e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



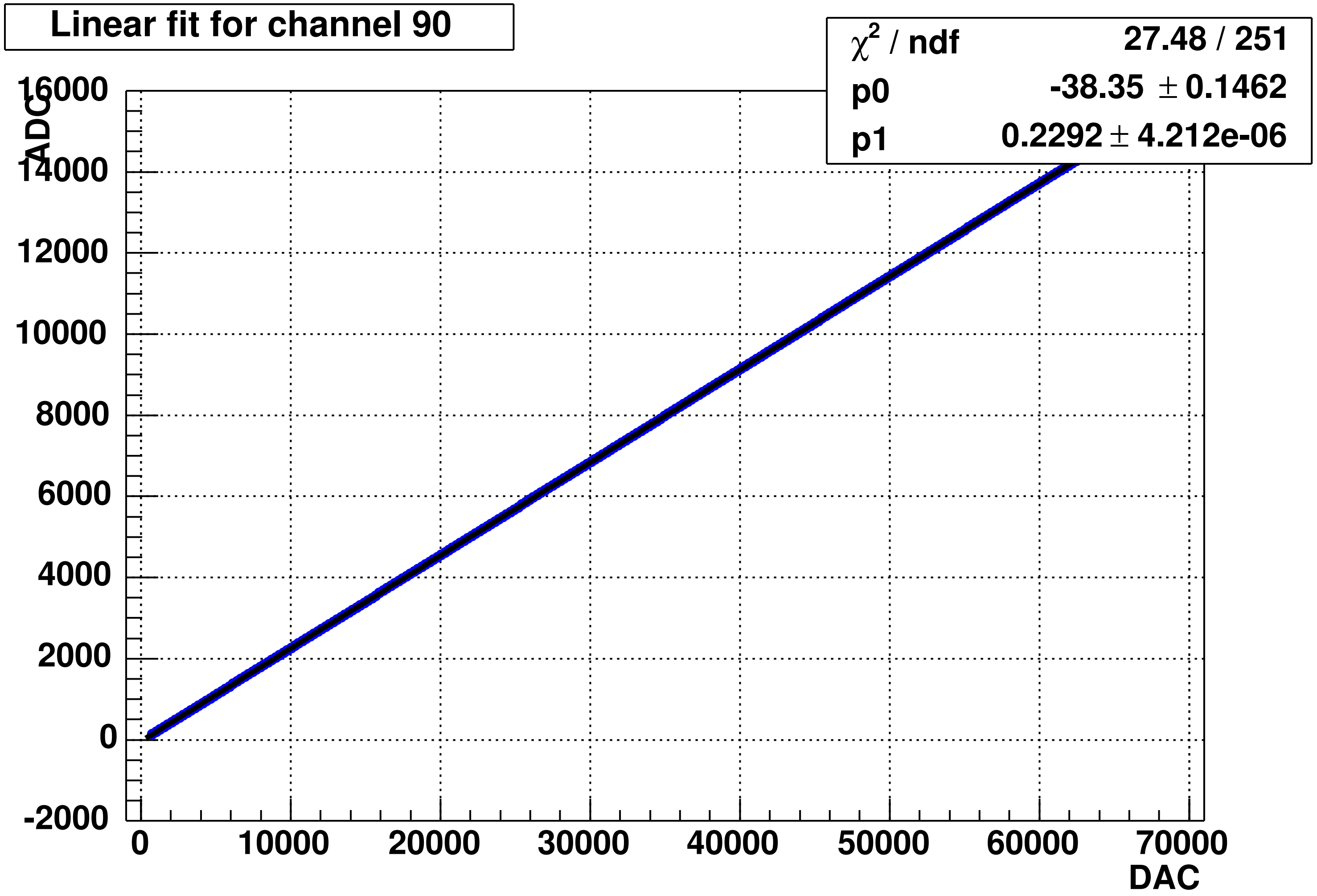
Residuals for channel 88
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



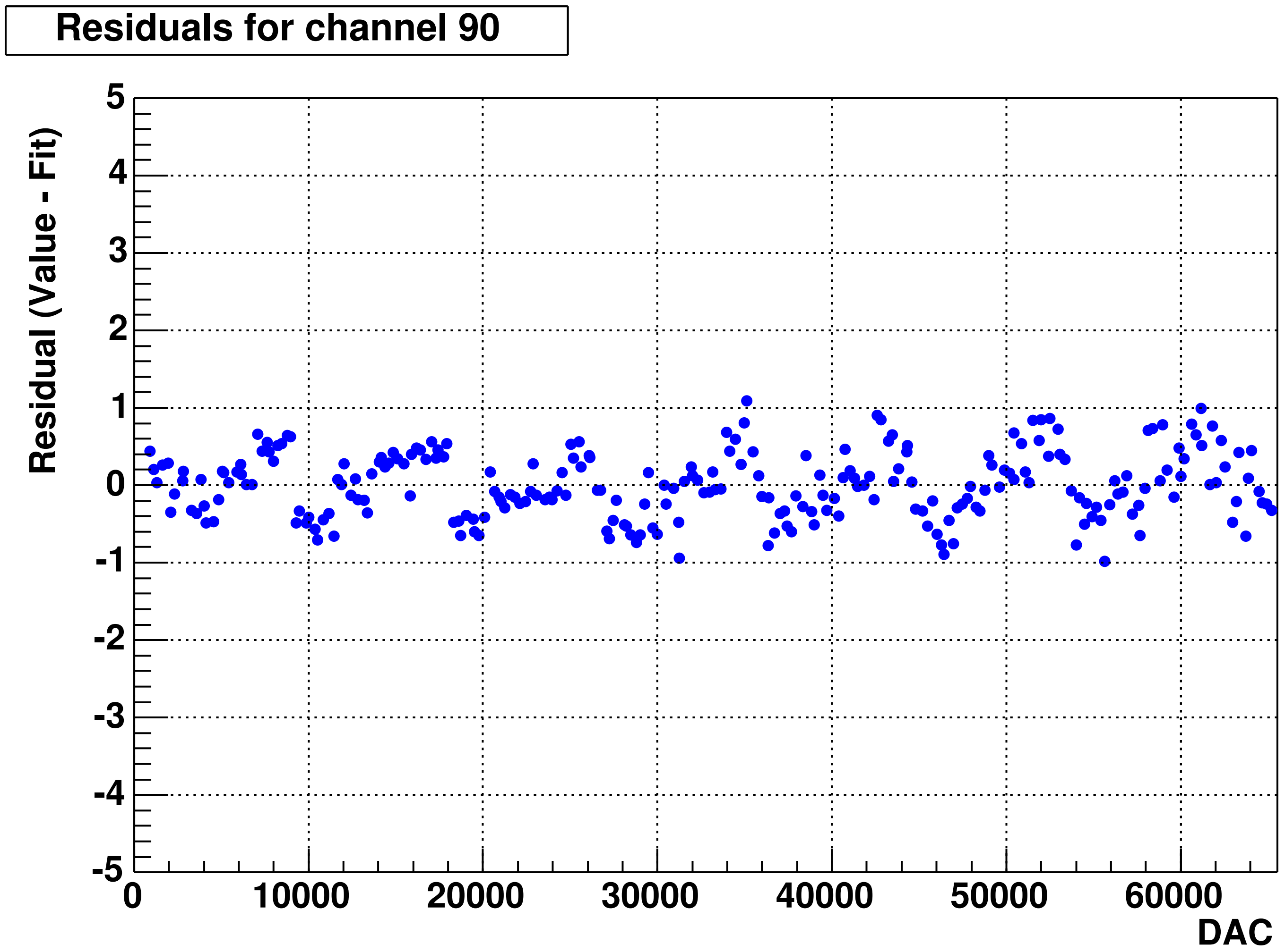
Linear fit for channel 89
χ^2 / ndf 37.93 / 251
p0 -41.46 ± 0.1339
p1 0.2292 ± 3.952e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

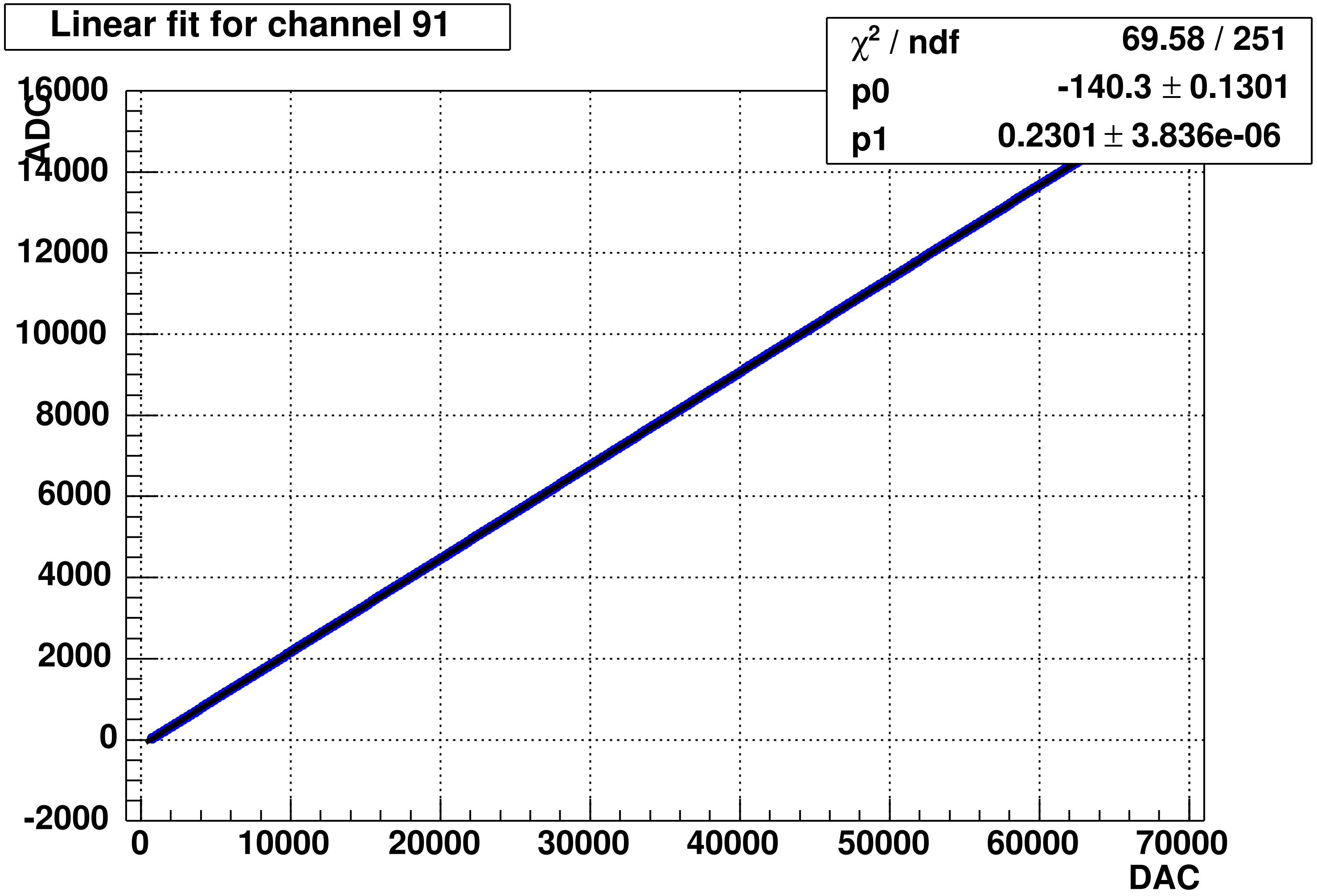


Residuals for channel 89
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



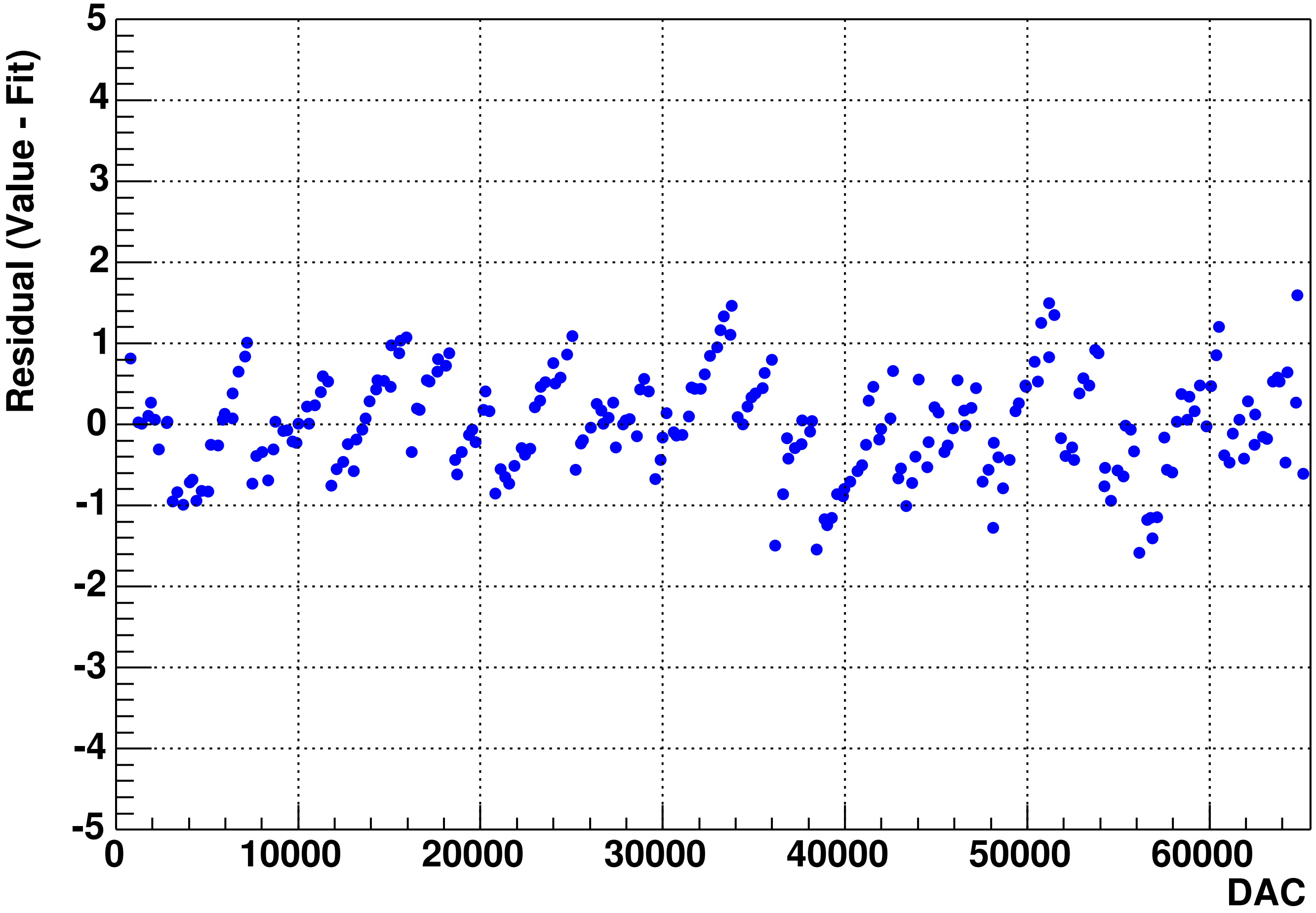
Linear fit for channel 90
χ^2 / ndf 27.48 / 251
p0 -38.35 ± 0.1462
p1 0.2292 ± 4.212e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

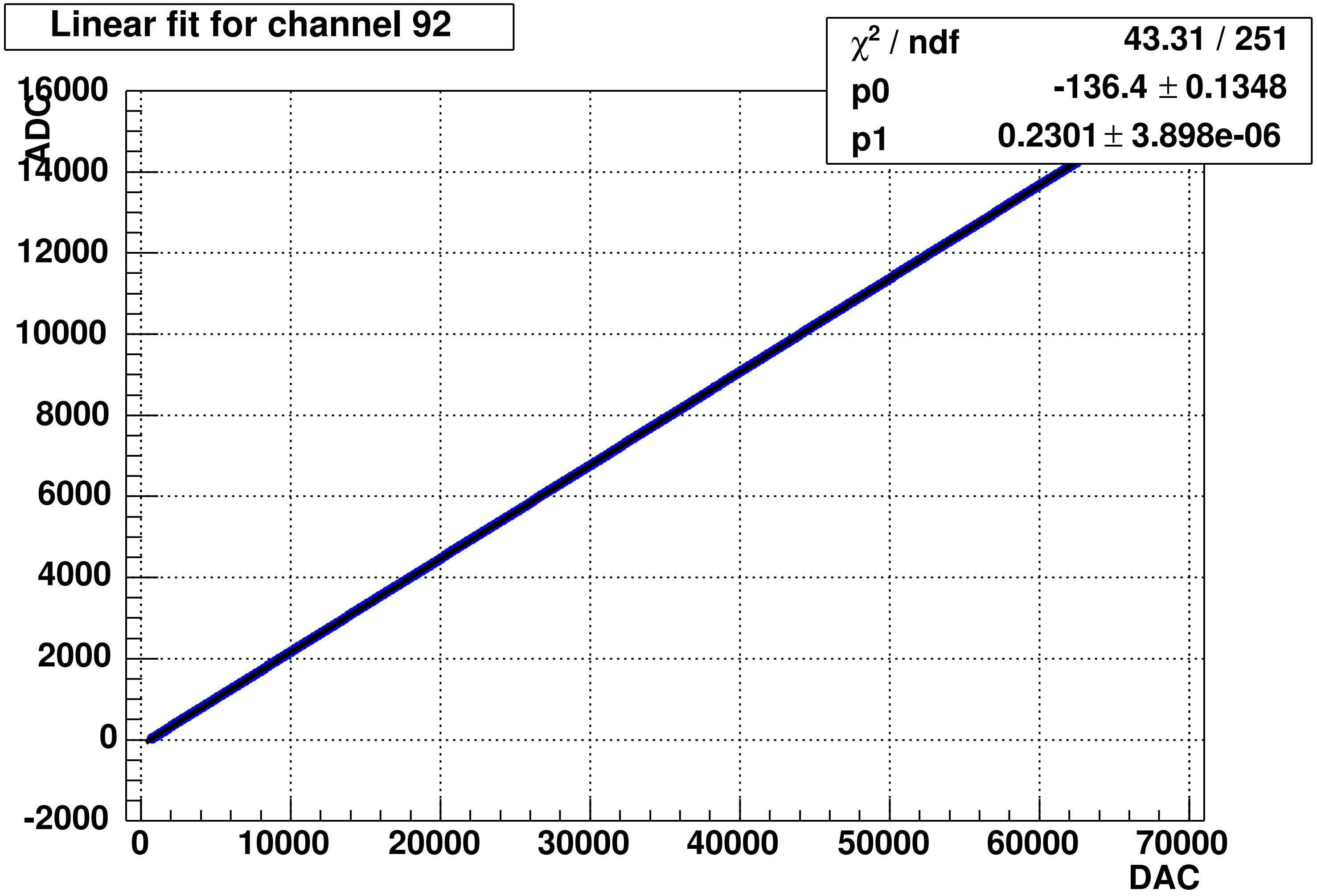

Residuals for channel 90
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC



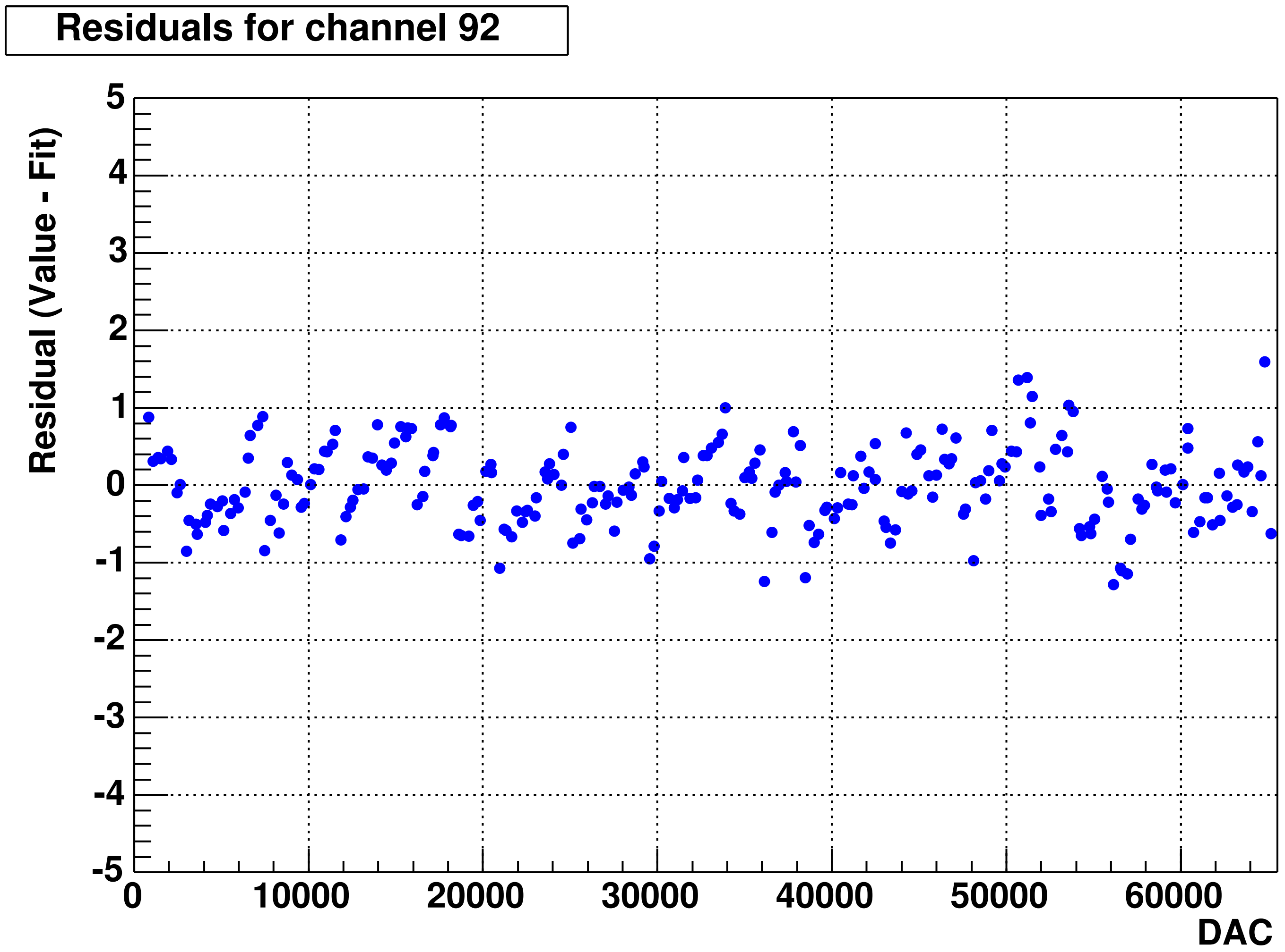
Linear fit for channel 91
χ^2 / ndf 69.58 / 251
p0 -140.3 ± 0.1301
p1 0.2301 ± 3.836e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

Residuals for channel 91

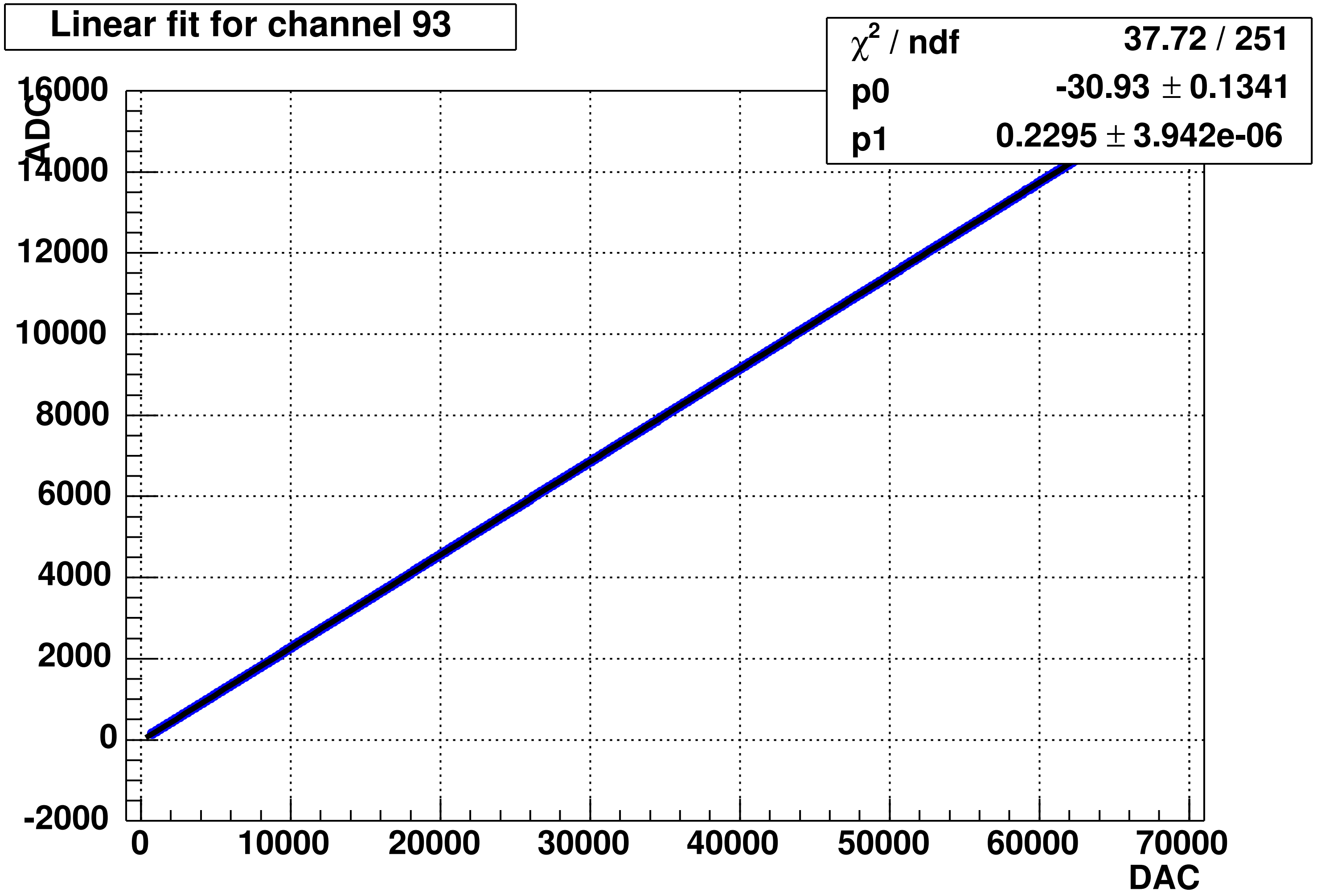




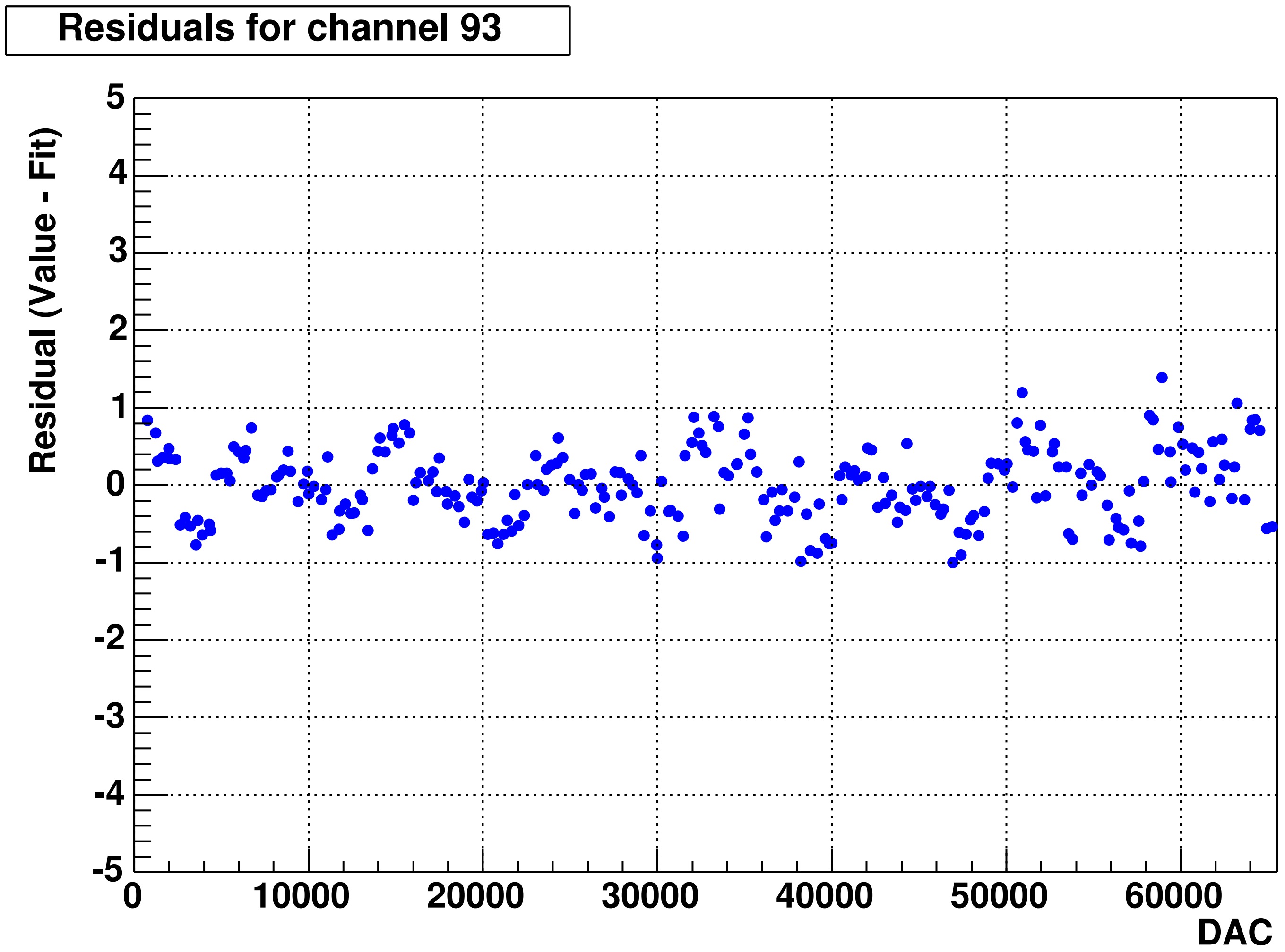
Linear fit for channel 92
χ^2 / ndf 43.31 / 251
p0 -136.4 ± 0.1348
p1 0.2301 ± 3.898e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

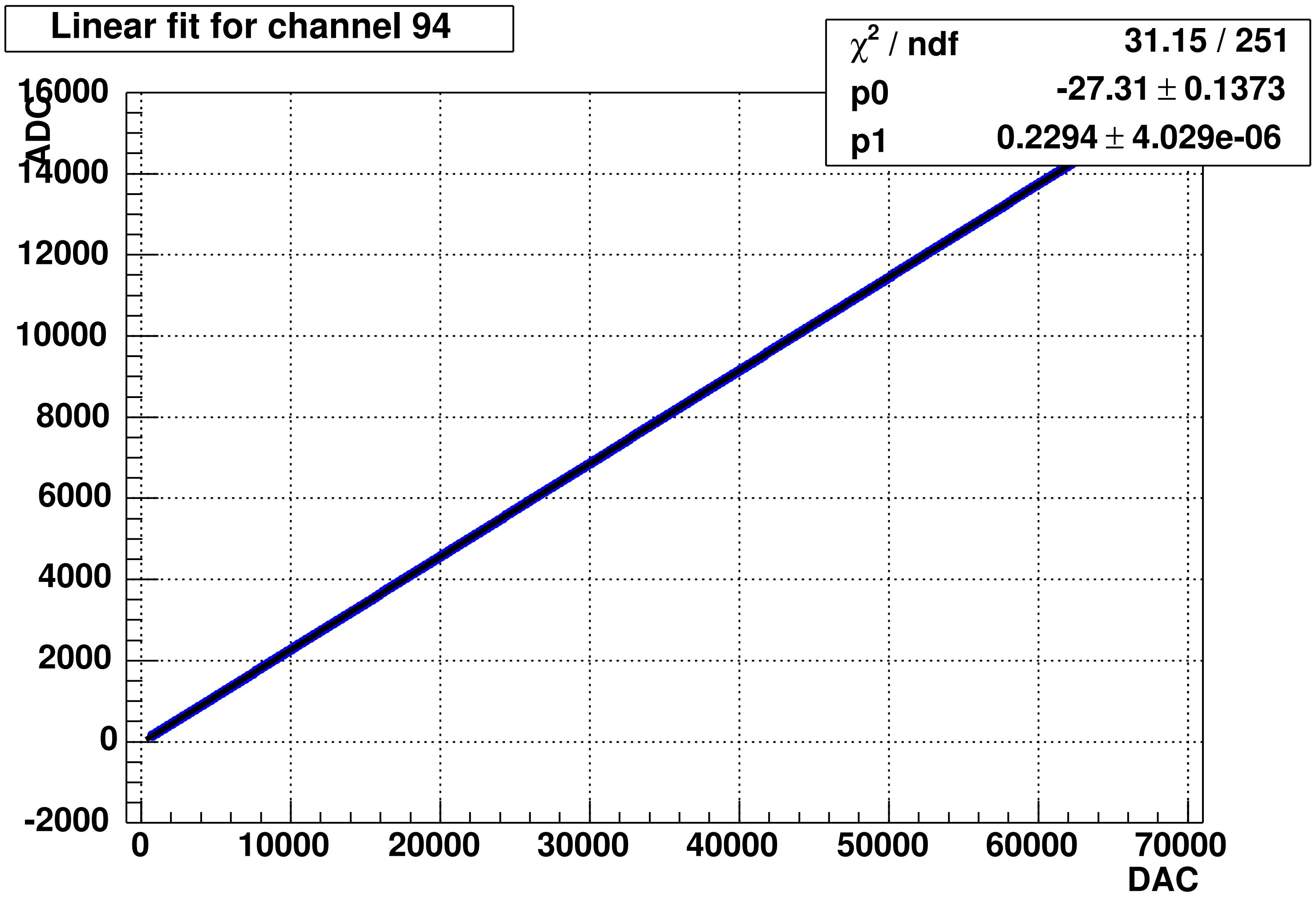


Residuals for channel 92
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

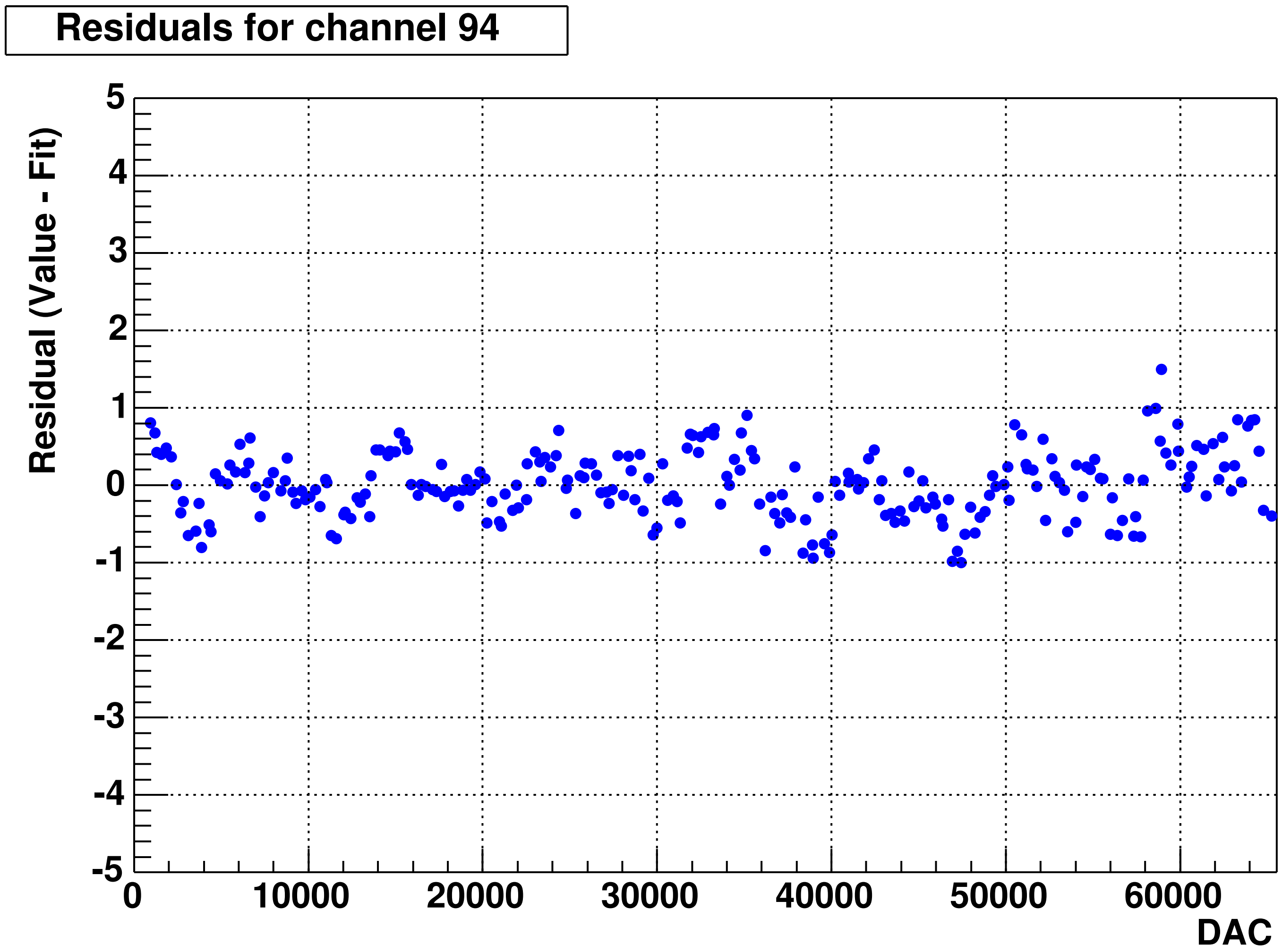


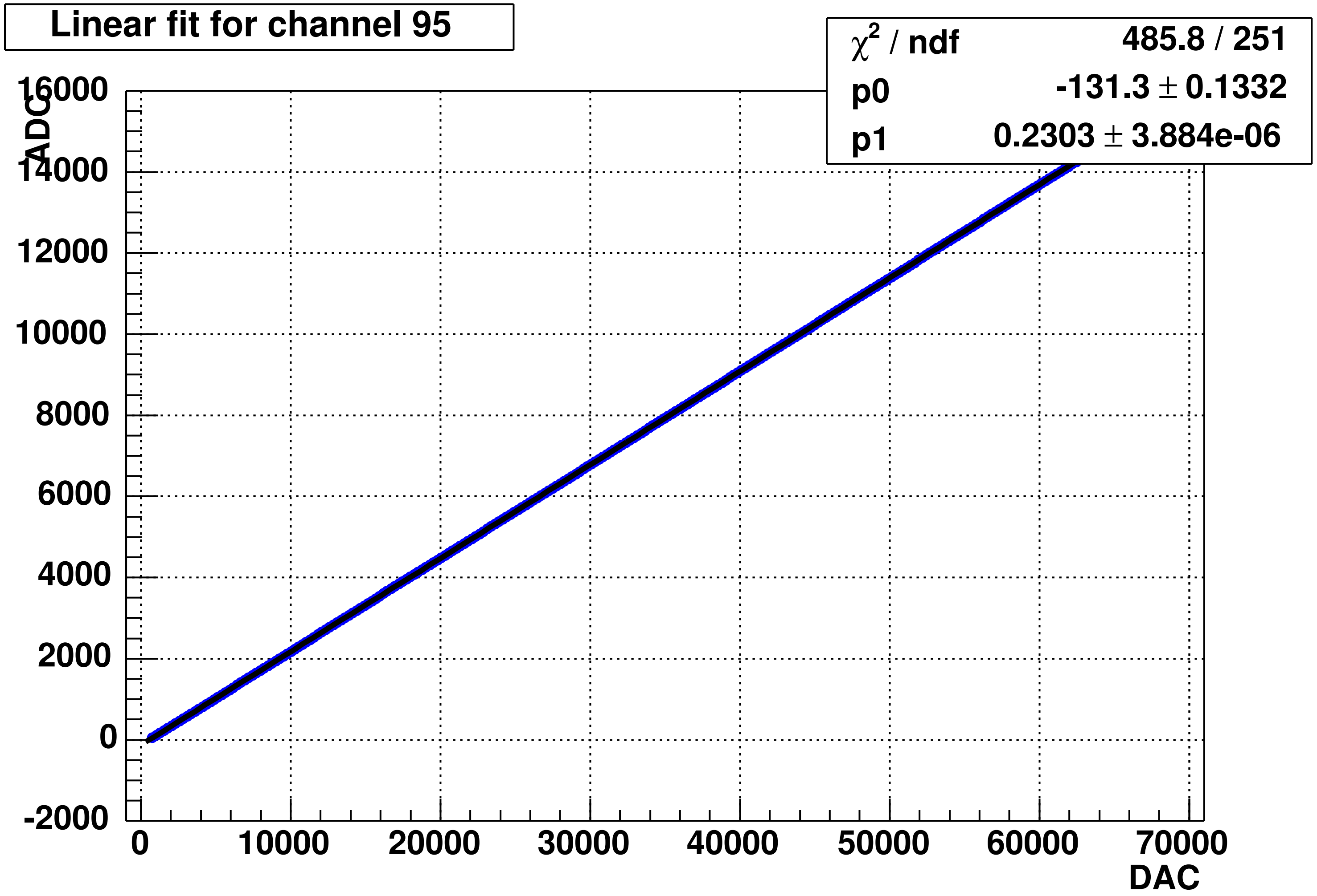
Linear fit for channel 93
χ^2 / ndf 37.72 / 251
p0 -30.93 ± 0.1341
p1 0.2295 ± 3.942e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC


Residuals for channel 93
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

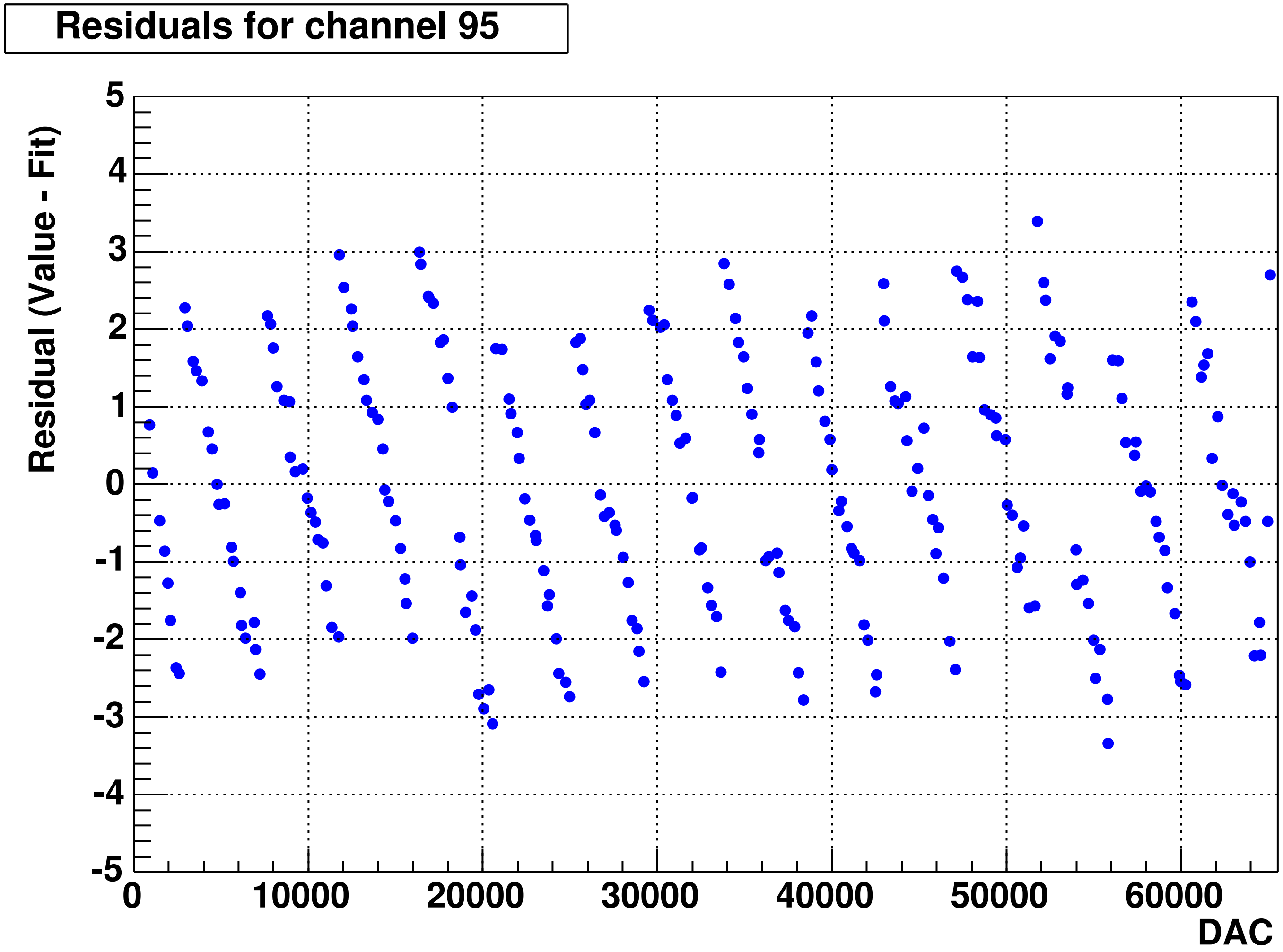


Linear fit for channel 94
χ^2 / ndf 31.15 / 251
p0 -27.31 ± 0.1373
p1 0.2294 ± 4.029e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

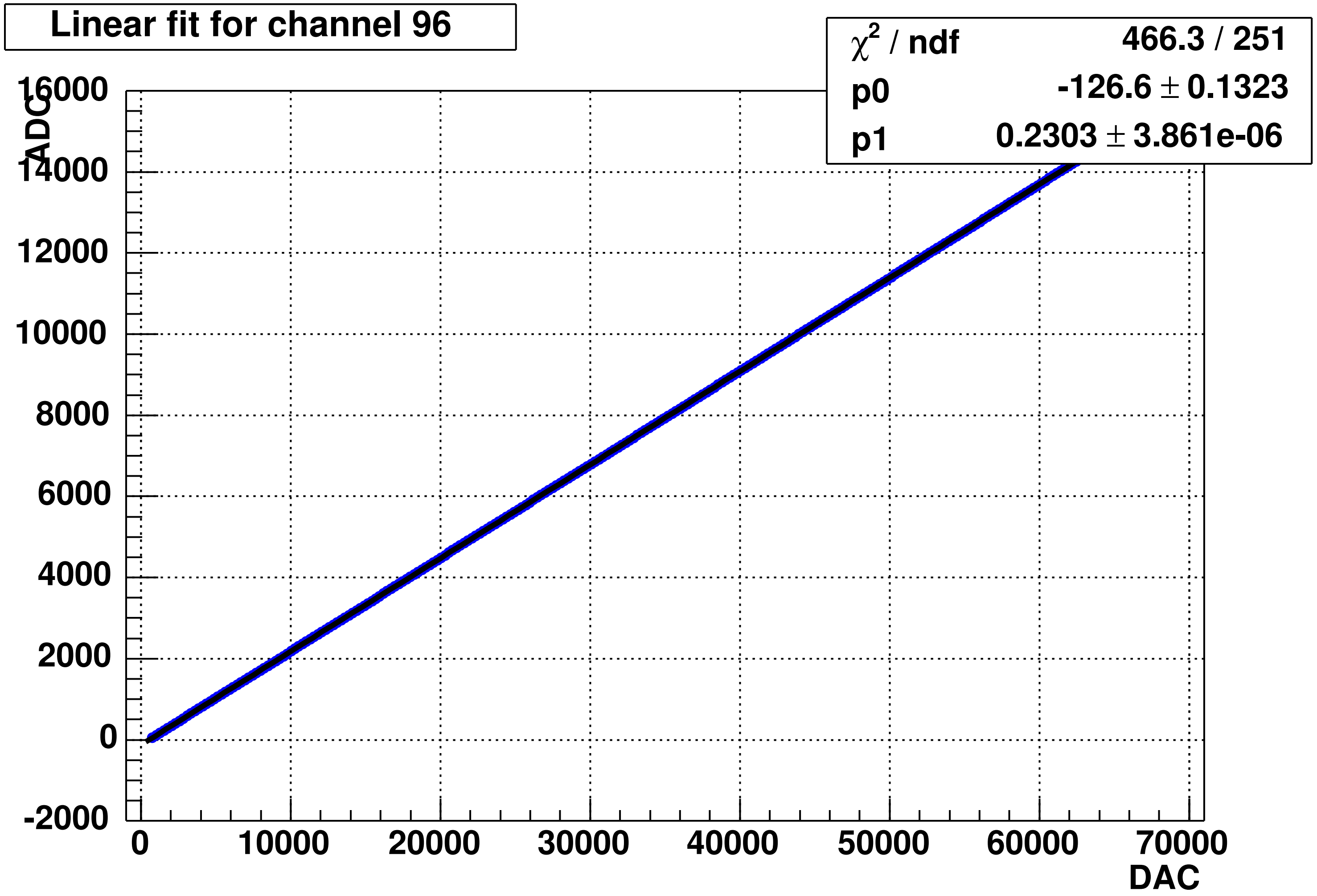

Residuals for channel 94
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

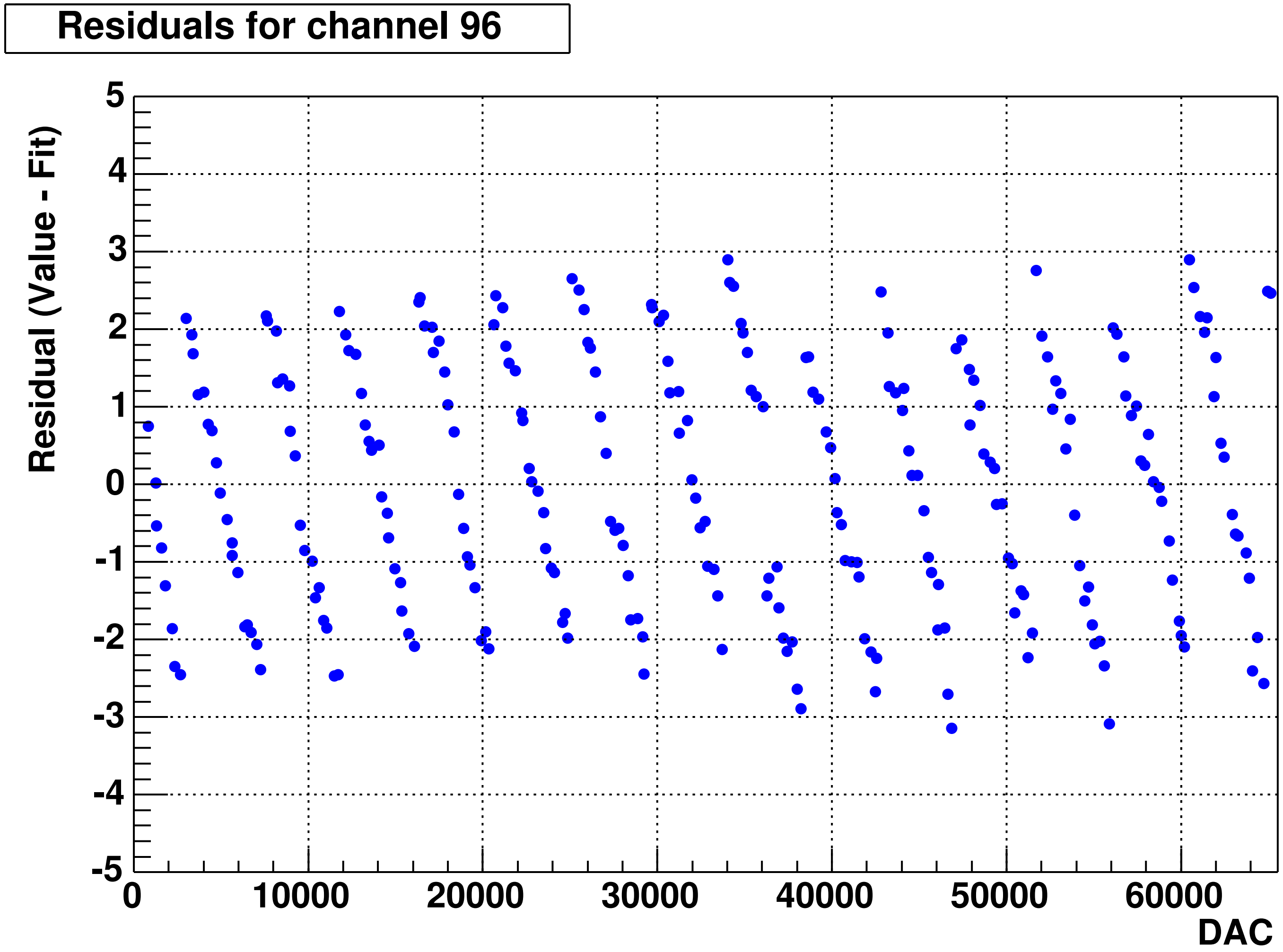


Linear fit for channel 95
χ^2 / ndf 485.8 / 251
p0 -131.3 ± 0.1332
p1 0.2303 ± 3.884e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC

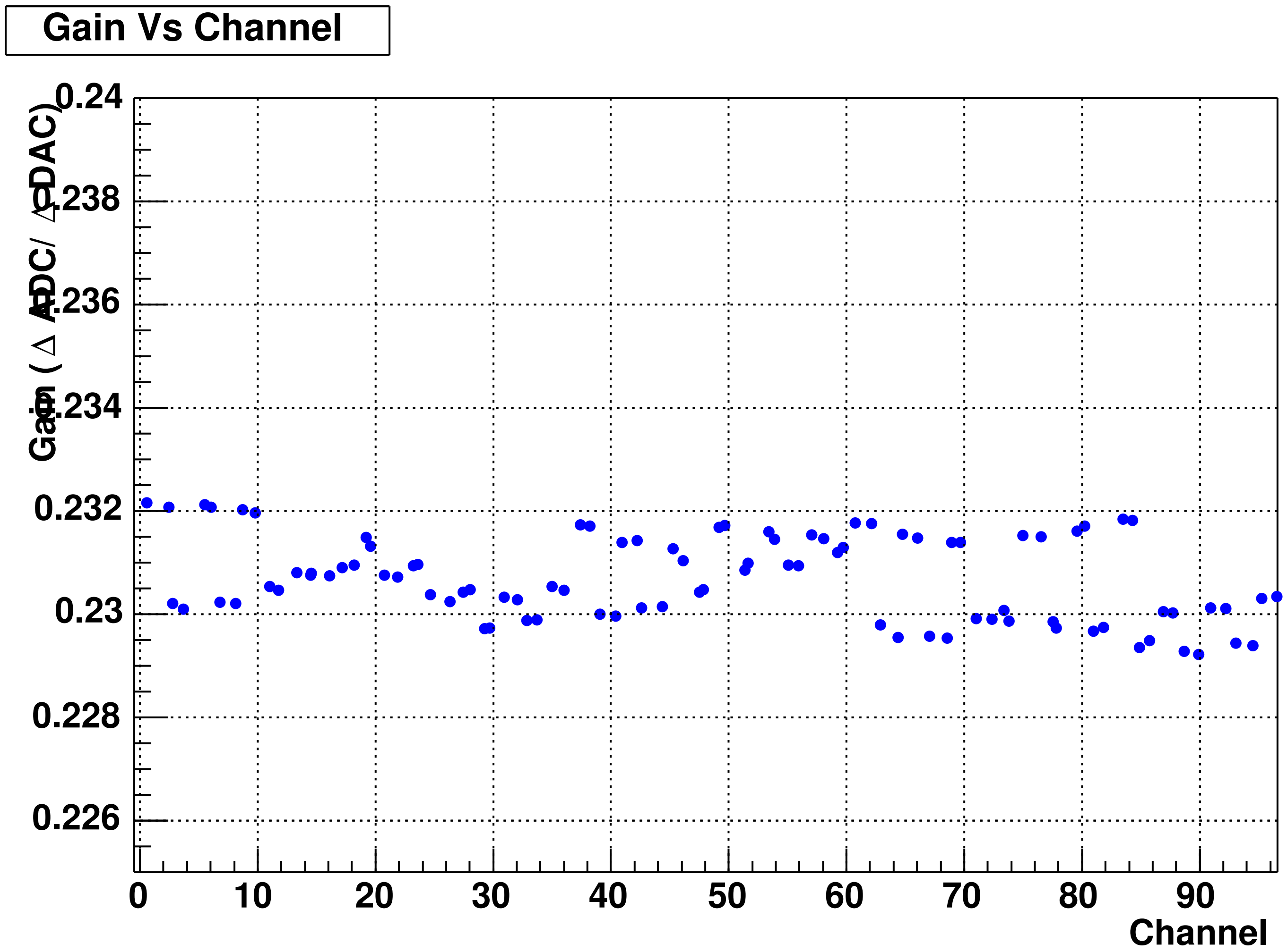


Residuals for channel 95
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

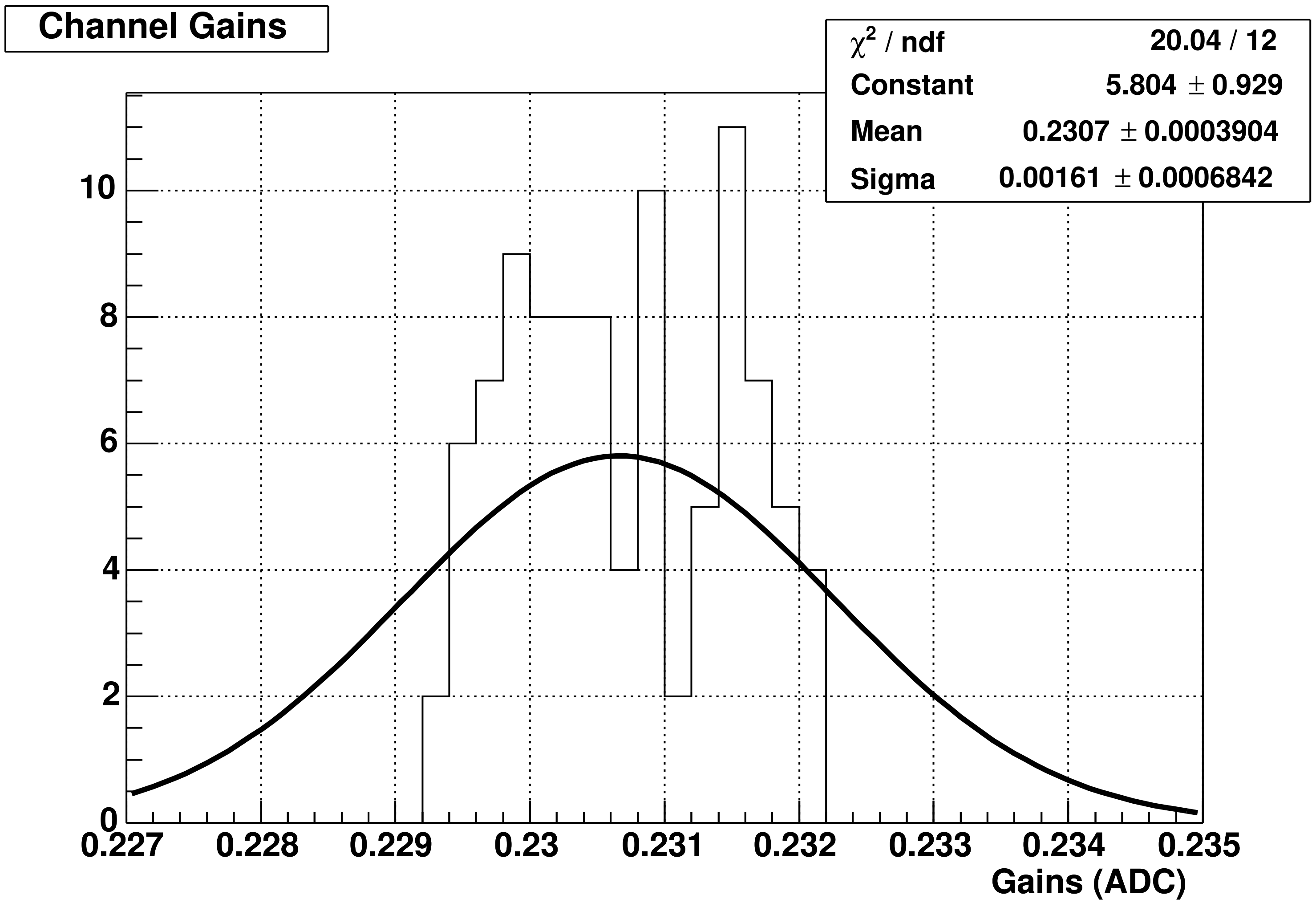

Linear fit for channel 96
χ^2 / ndf 466.3 / 251
p0 -126.6 ± 0.1323
p1 0.2303 ± 3.861e-06
ADC
16000
14000
12000
10000
8000
6000
4000
2000
0
-2000
0
10000
20000
30000
40000
50000
60000
70000
DAC



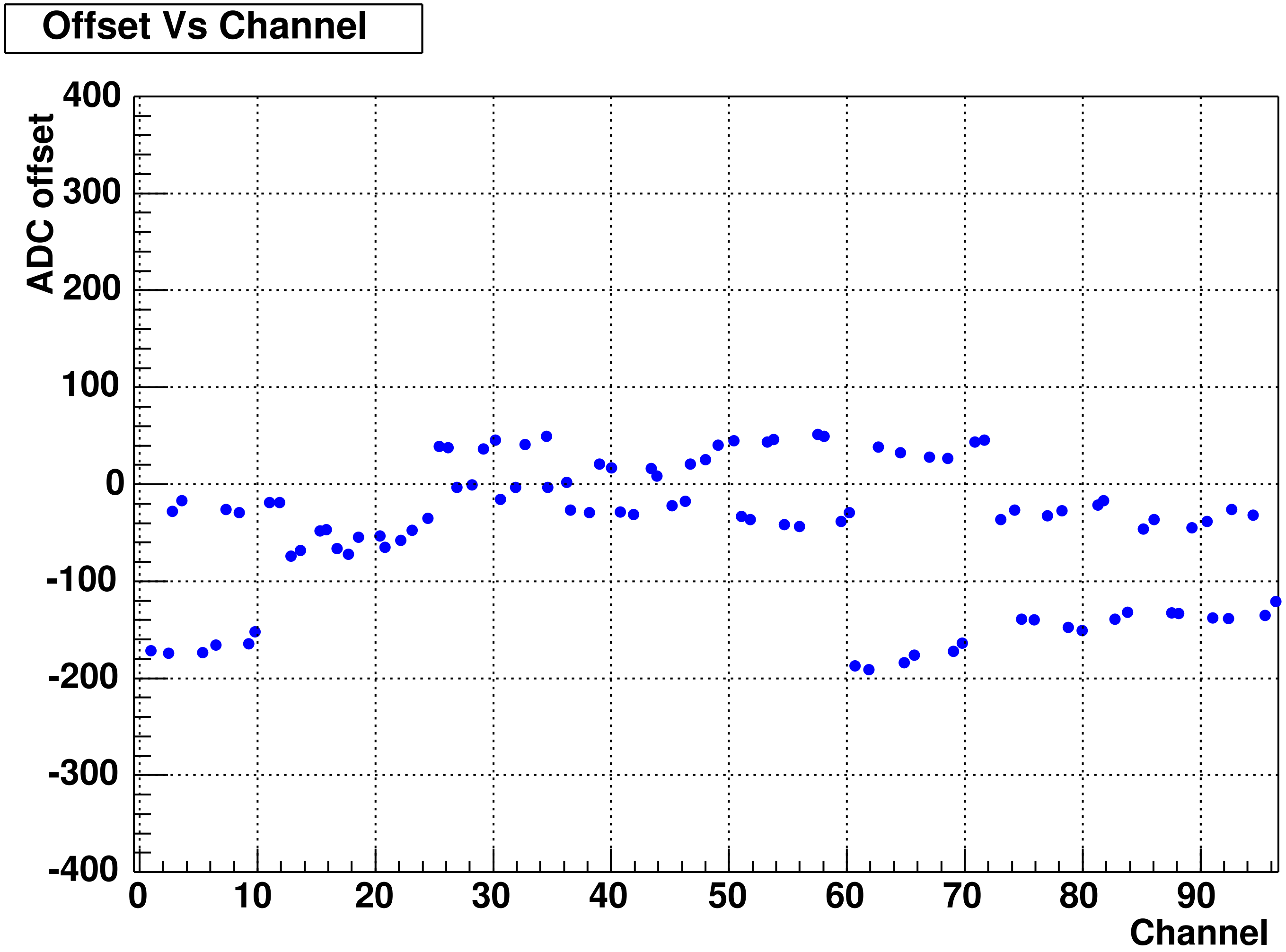
Residuals for channel 96
Residual (Value - Fit)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
10000
20000
30000
40000
50000
60000
DAC

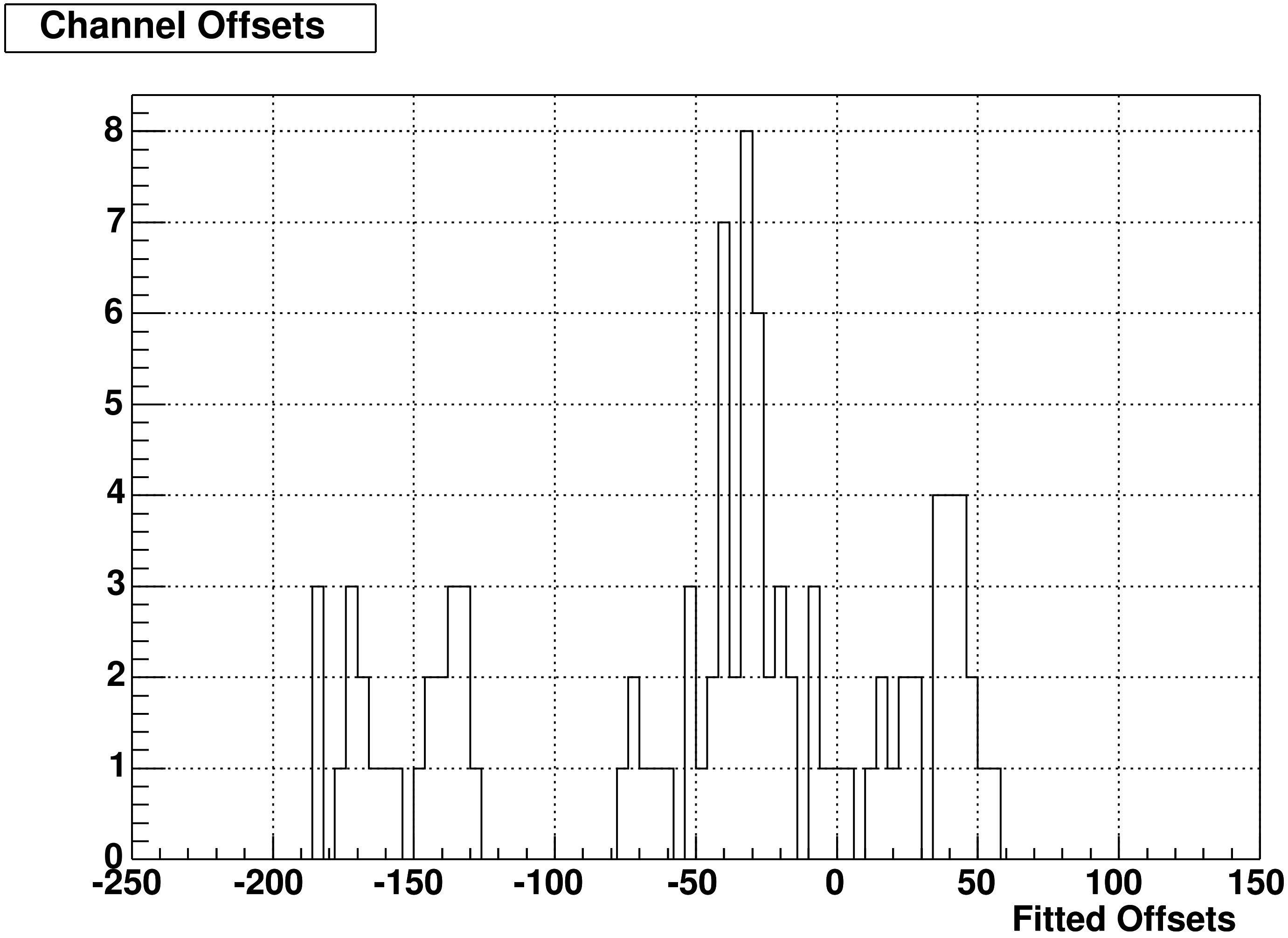


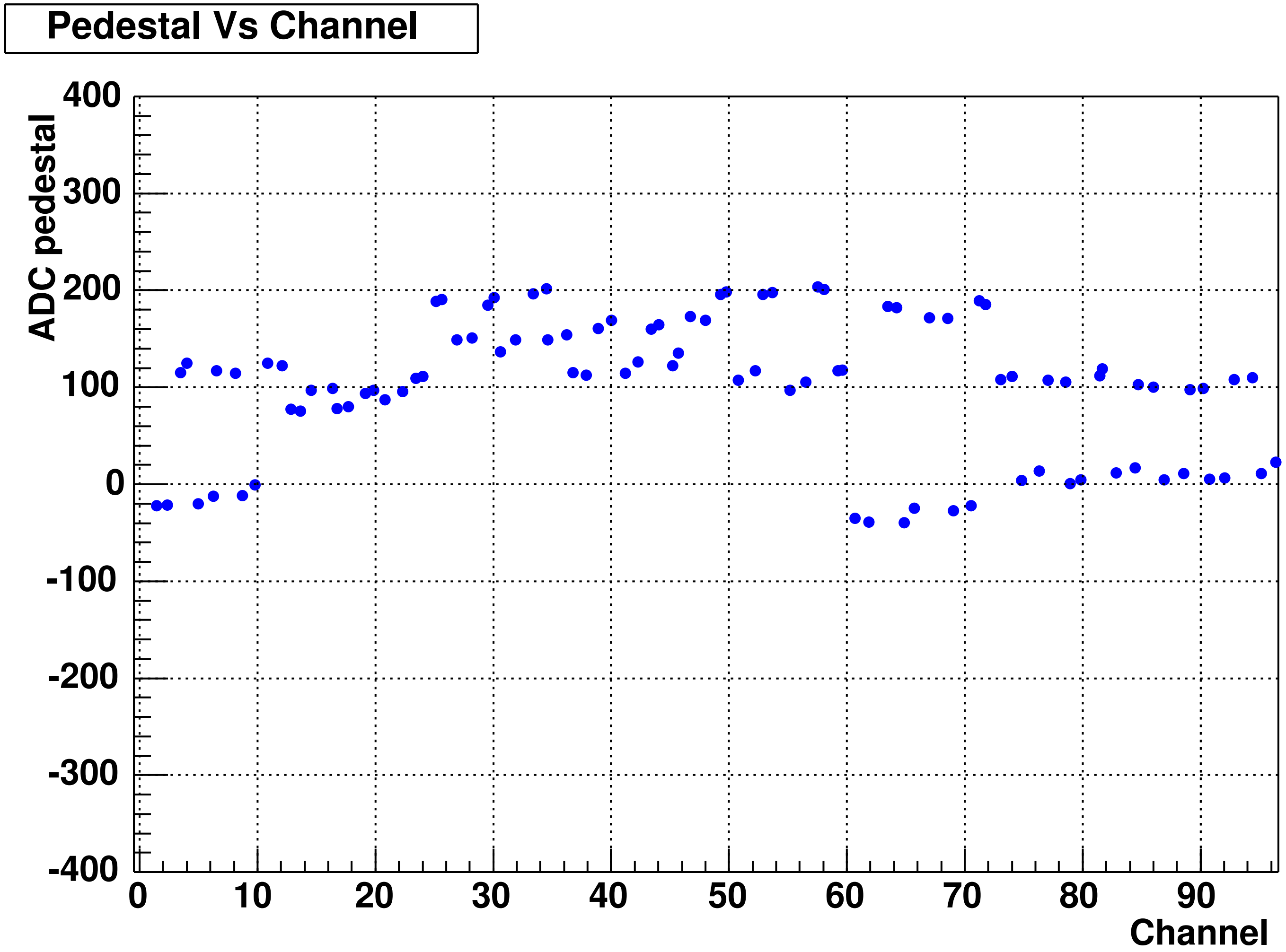
Gain Vs Channel
Gain (Δ ADC/ Δ DAC)
0.24
0.238
0.236
0.234
0.232
0.23
0.228
0.226
0
10
20
30
40
50
60
70
80
90
Channel

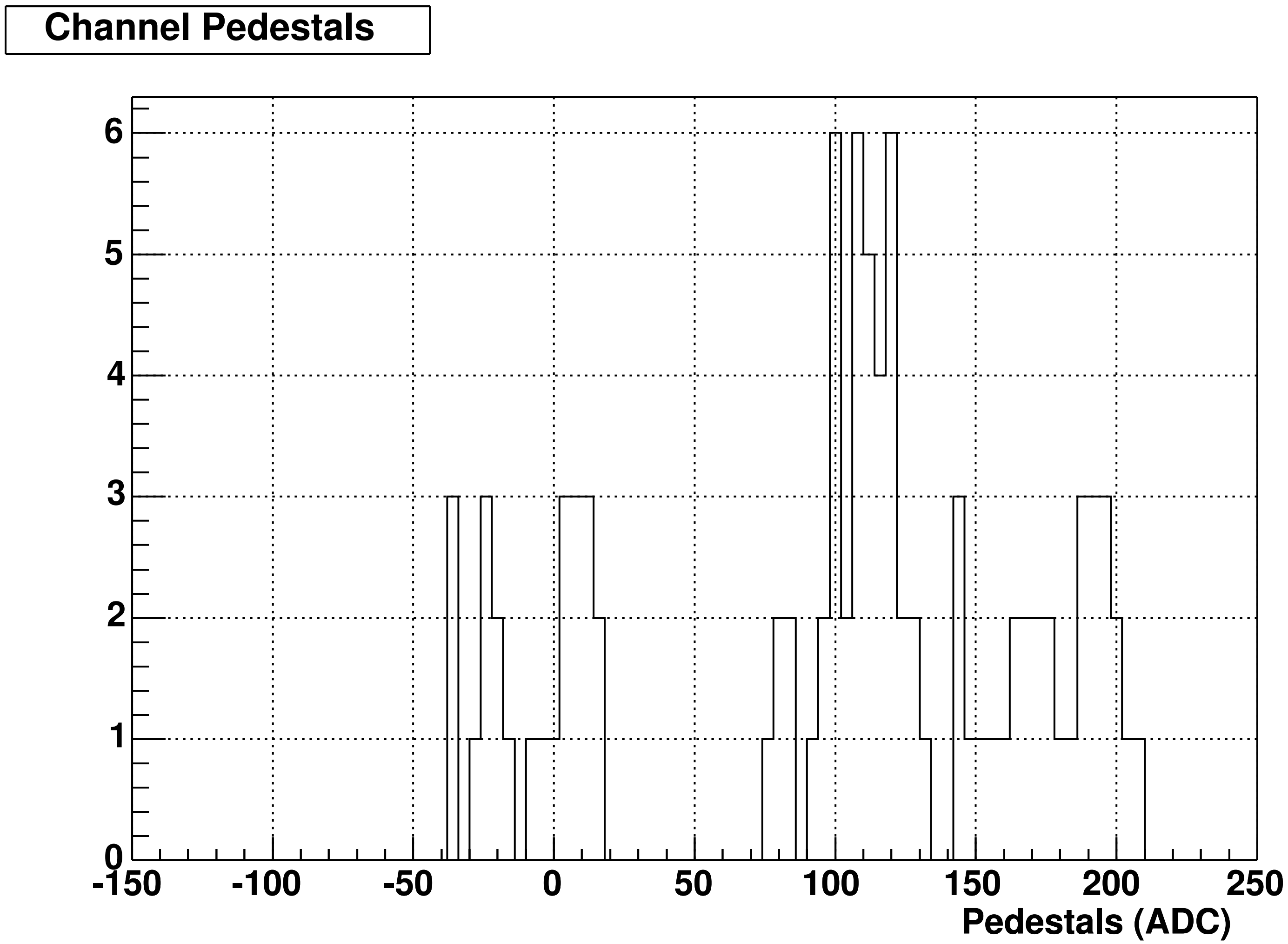


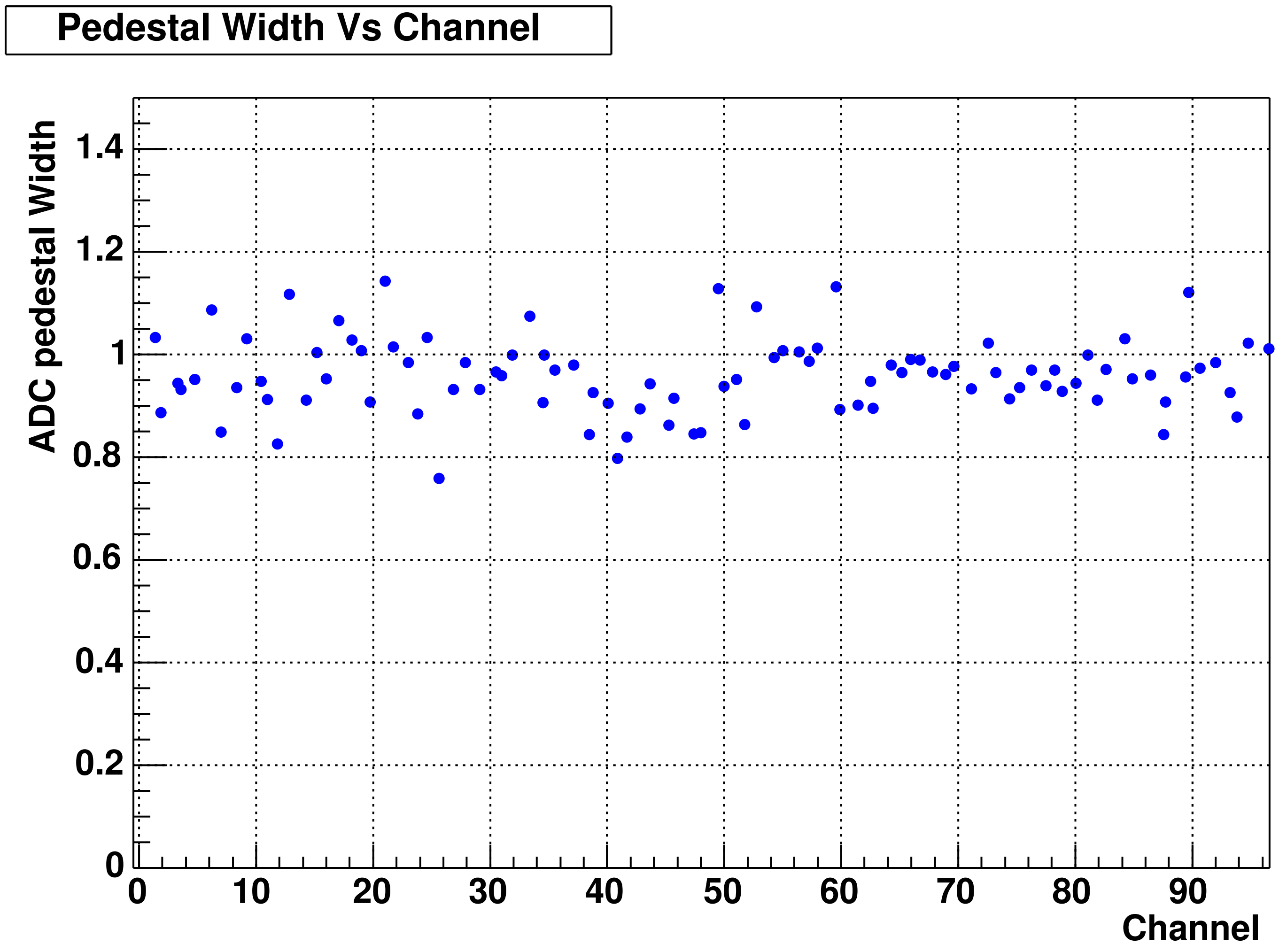
Channel Gains
χ^2 / ndf 20.04 / 12
Constant 5.804 ± 0.929
Mean 0.2307 ± 0.0003904
Sigma 0.00161 ± 0.0006842
0
2
4
6
8
10
0.227
0.228
0.229
0.23
0.231
0.232
0.233
0.234
0.235
Gains (ADC)

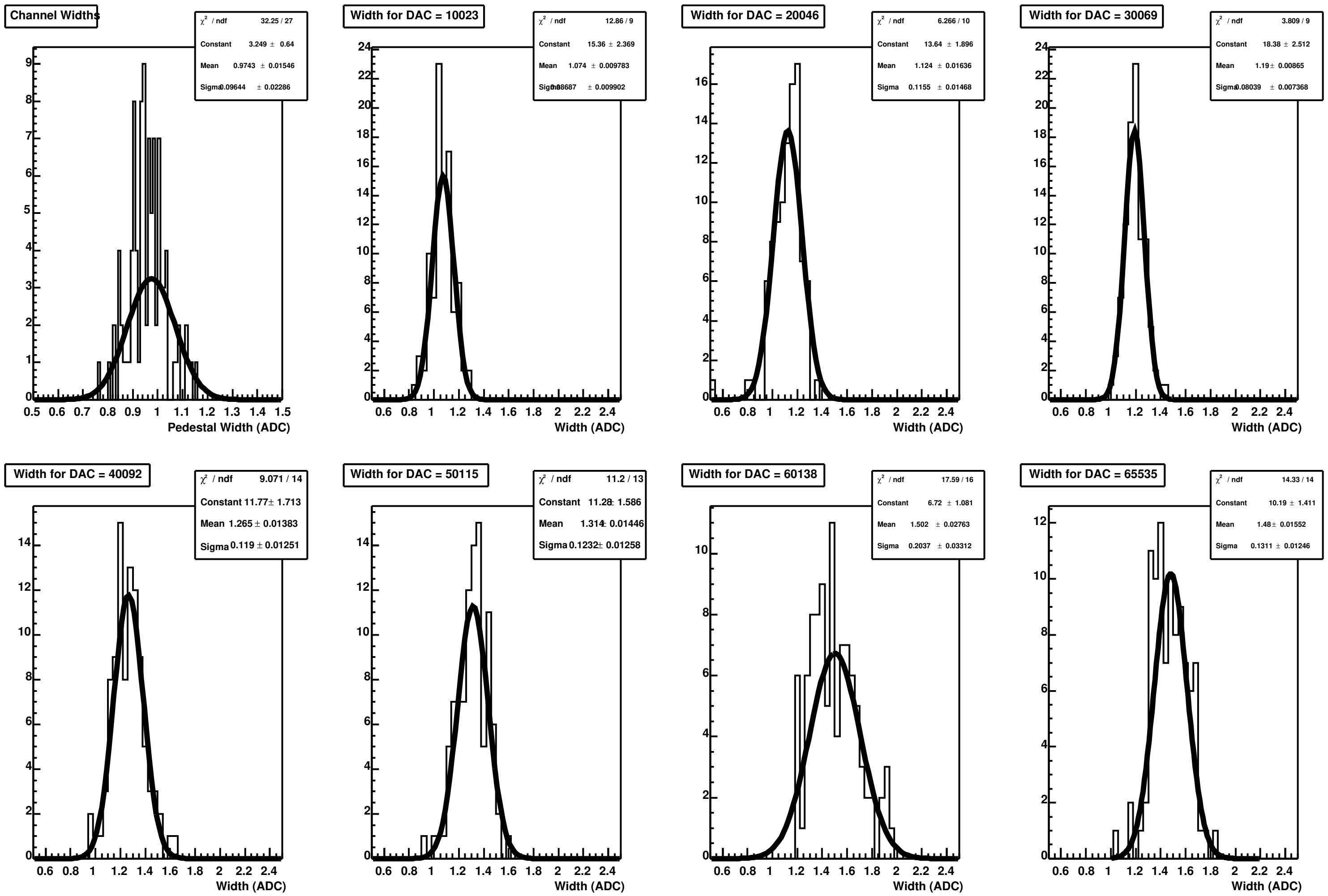

Offset Vs Channel
ADC offset
400
300
200
100
0
-100
-200
-300
-400
0
10
20
30
40
50
60
70
80
90
Channel


Channel Offsets
8
7
6
5
4
3
2
1
0
-250
-200
-150
-100
-50
0
50
100
150
Fitted Offsets

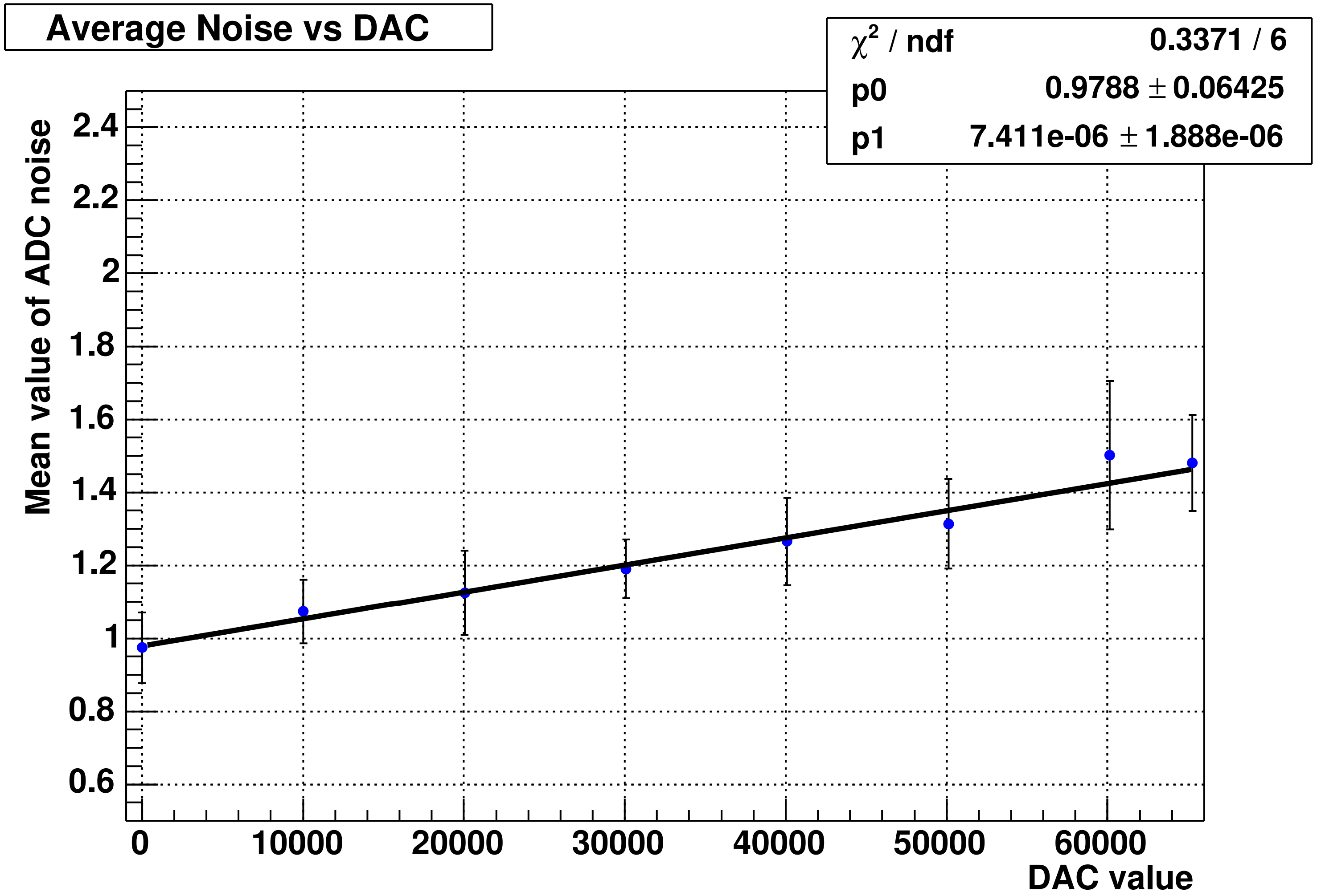

Pedestal Vs Channel
ADC pedestal
400
300
200
100
0
-100
-200
-300
-400
0
10
20
30
40
50
60
70
80
90
Channel


Channel Pedestals
0
1
2
3
4
5
6
-150
-100
-50
0
50
100
150
200
250
Pedestals (ADC)


Pedestal Width Vs Channel
ADC pedestal Width
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
80
90
Channel



Channel Widths
χ^2 / ndf 32.25 / 27
Constant 3.249 ± 0.64
Mean 0.9743 ± 0.01546
Sigma 0.09644 ± 0.02286
Pedestal Width (ADC)
Width for DAC = 10023
χ^2 / ndf 12.86 / 9
Constant 15.36 ± 2.369
Mean 1.074 ± 0.009783
Sigma 0.08687 ± 0.009902
Width (ADC)
Width for DAC = 20046
χ^2 / ndf 6.266 / 10
Constant 13.64 ± 1.896
Mean 1.124 ± 0.01636
Sigma 0.1155 ± 0.01468
Width (ADC)
Width for DAC = 30069
χ^2 / ndf 3.809 / 9
Constant 18.38 ± 2.512
Mean 1.19 ± 0.00865
Sigma 0.08039 ± 0.007368
Width (ADC)
Width for DAC = 40092
χ^2 / ndf 9.071 / 14
Constant 11.77 ± 1.713
Mean 1.265 ± 0.01383
Sigma 0.119 ± 0.01251
Width (ADC)
Width for DAC = 50115
χ^2 / ndf 11.2 / 13
Constant 11.28 ± 1.586
Mean 1.314 ± 0.01446
Sigma 0.1232 ± 0.01258
Width (ADC)
Width for DAC = 60138
χ^2 / ndf 17.59 / 16
Constant 6.72 ± 1.081
Mean 1.502 ± 0.02763
Sigma 0.2037 ± 0.03312
Width (ADC)
Width for DAC = 65535
χ^2 / ndf 14.33 / 14
Constant 10.19 ± 1.411
Mean 1.48 ± 0.01552
Sigma 0.1311 ± 0.01246
Width (ADC)



Average Noise vs DAC
χ^2 / ndf 0.3371 / 6
p0 0.9788 ± 0.06425
p1 7.411e-06 ± 1.888e-06
Mean value of ADC noise
DAC value
0
10000
20000
30000
40000
50000
60000
0.6
0.8
1
1.2
1.4
1.6
1.8
2
2.2
2.4