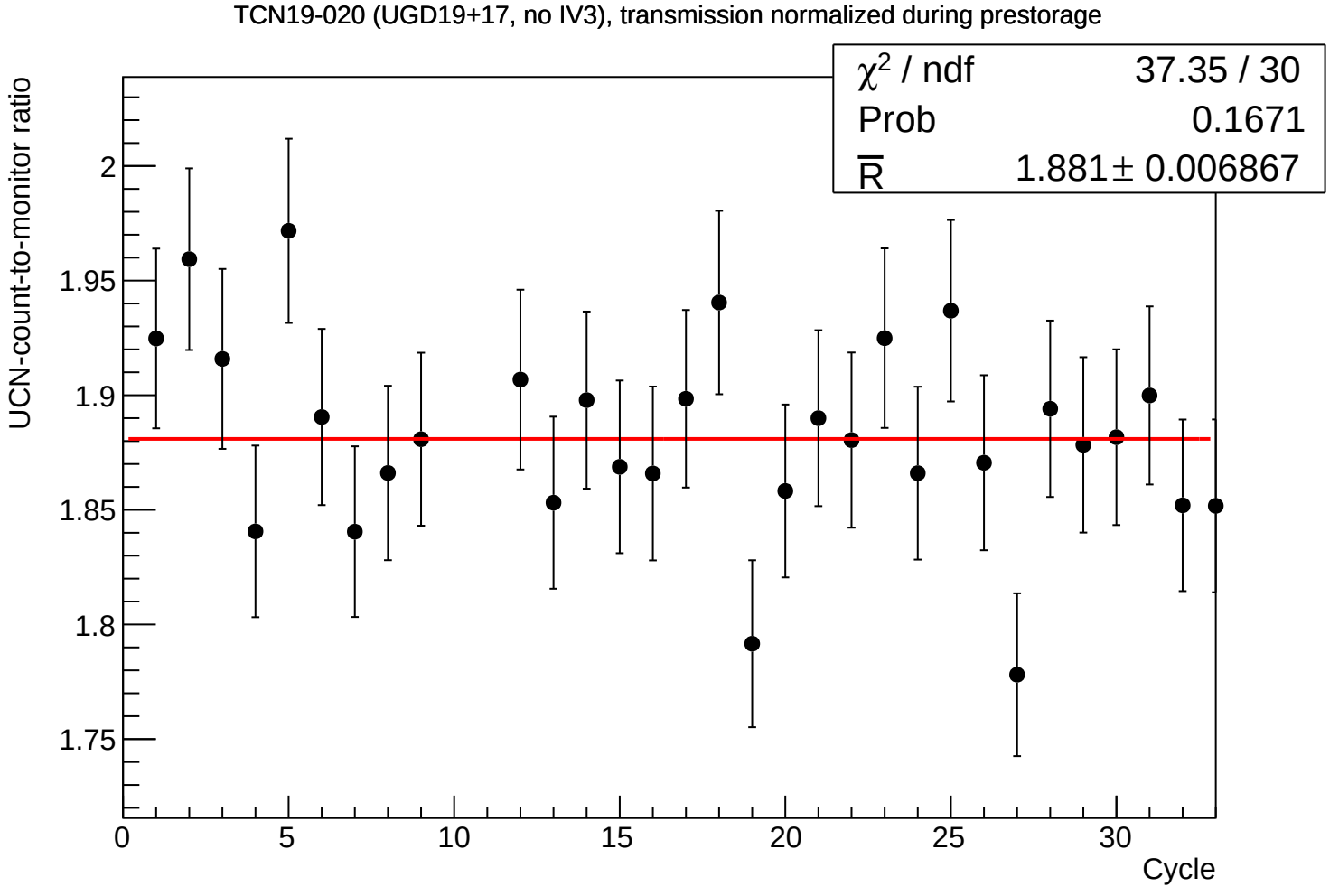
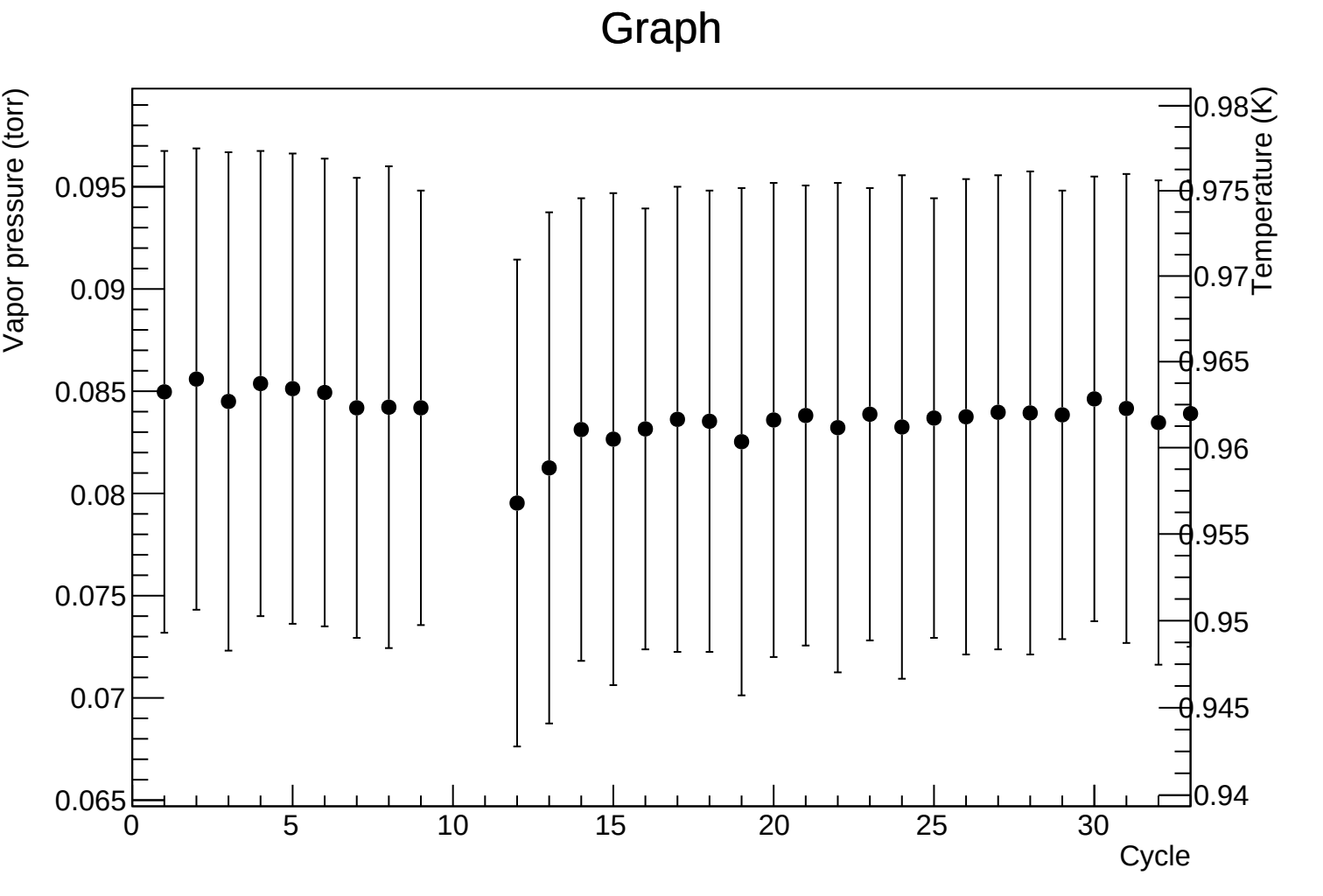
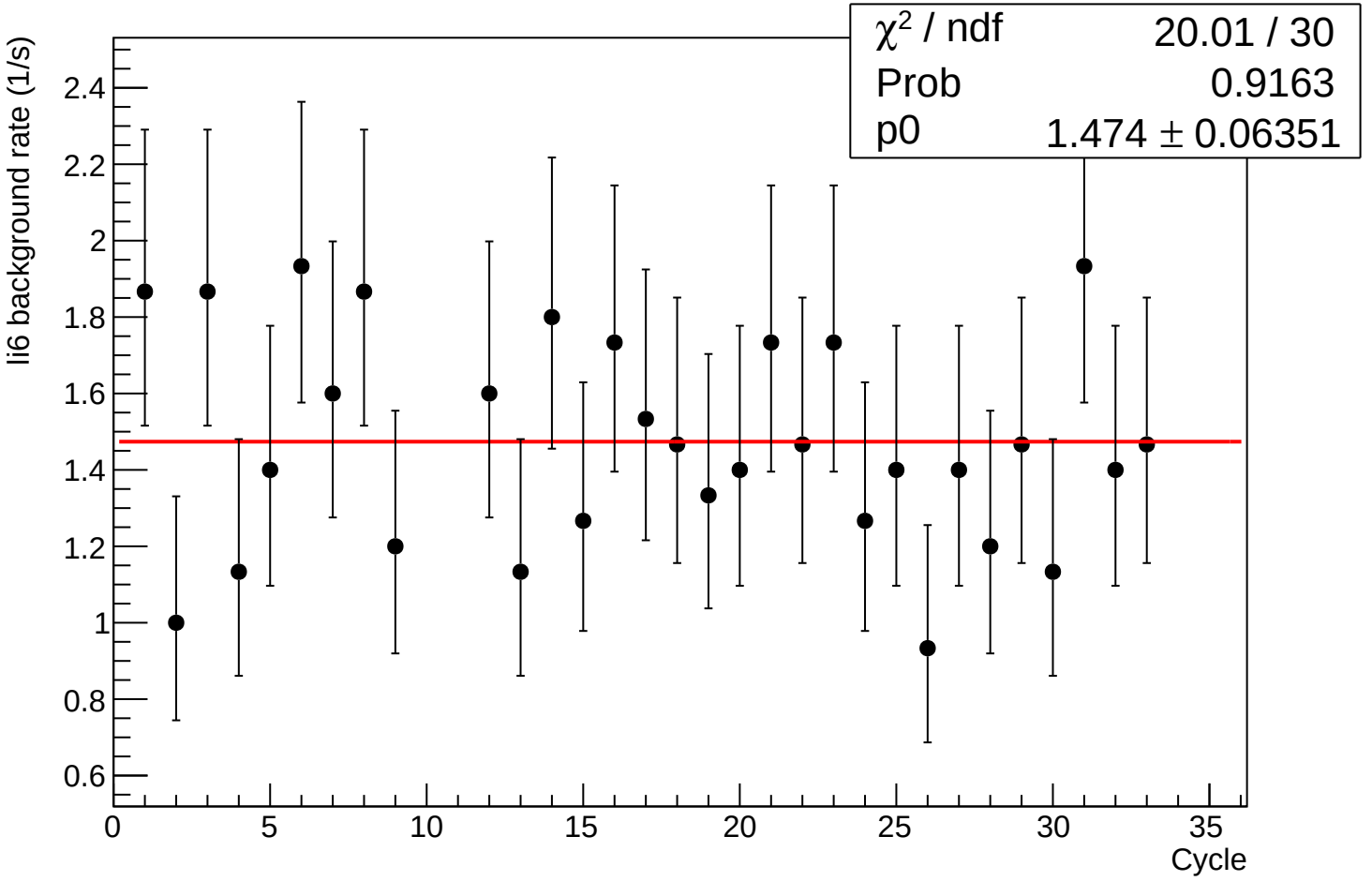
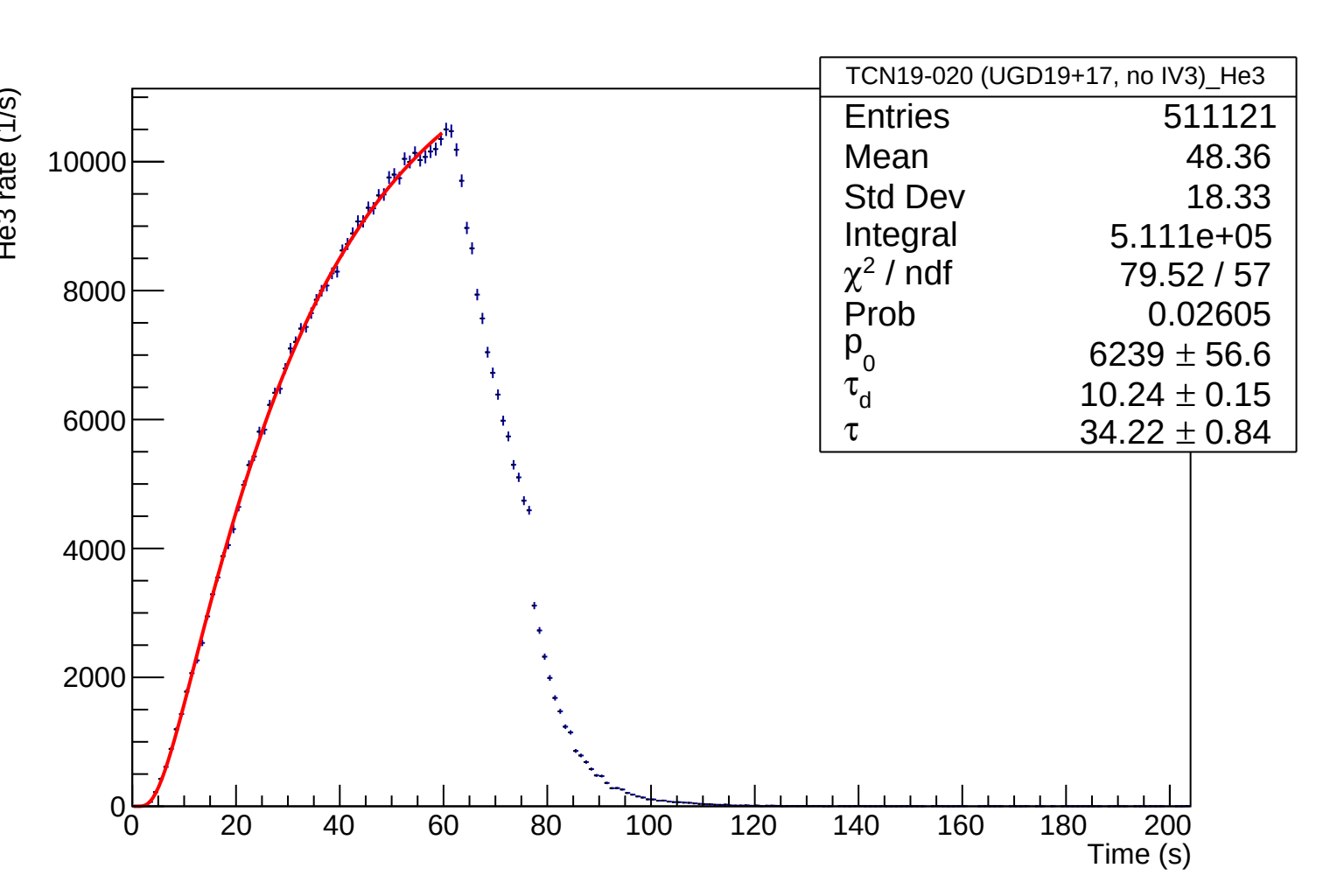
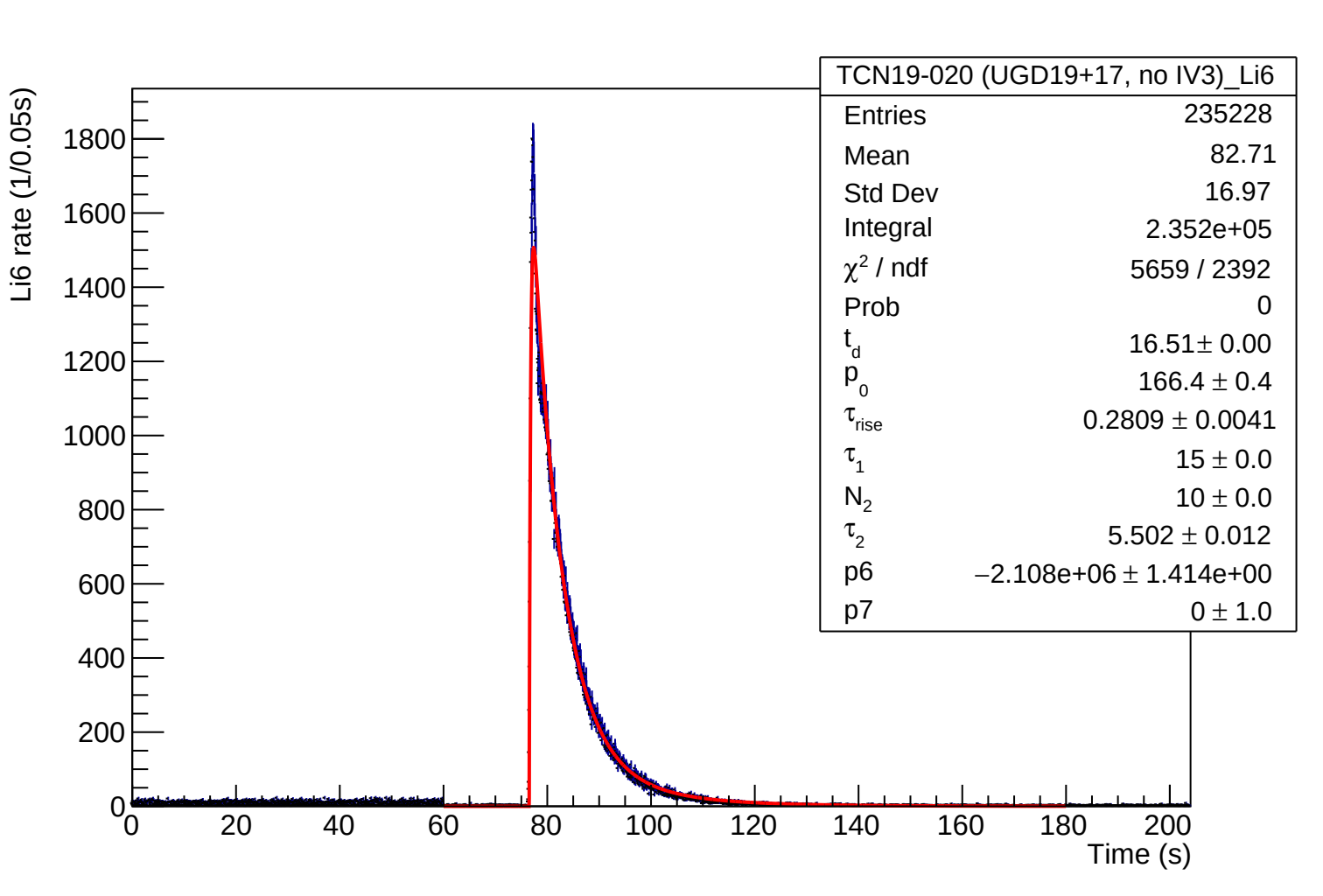
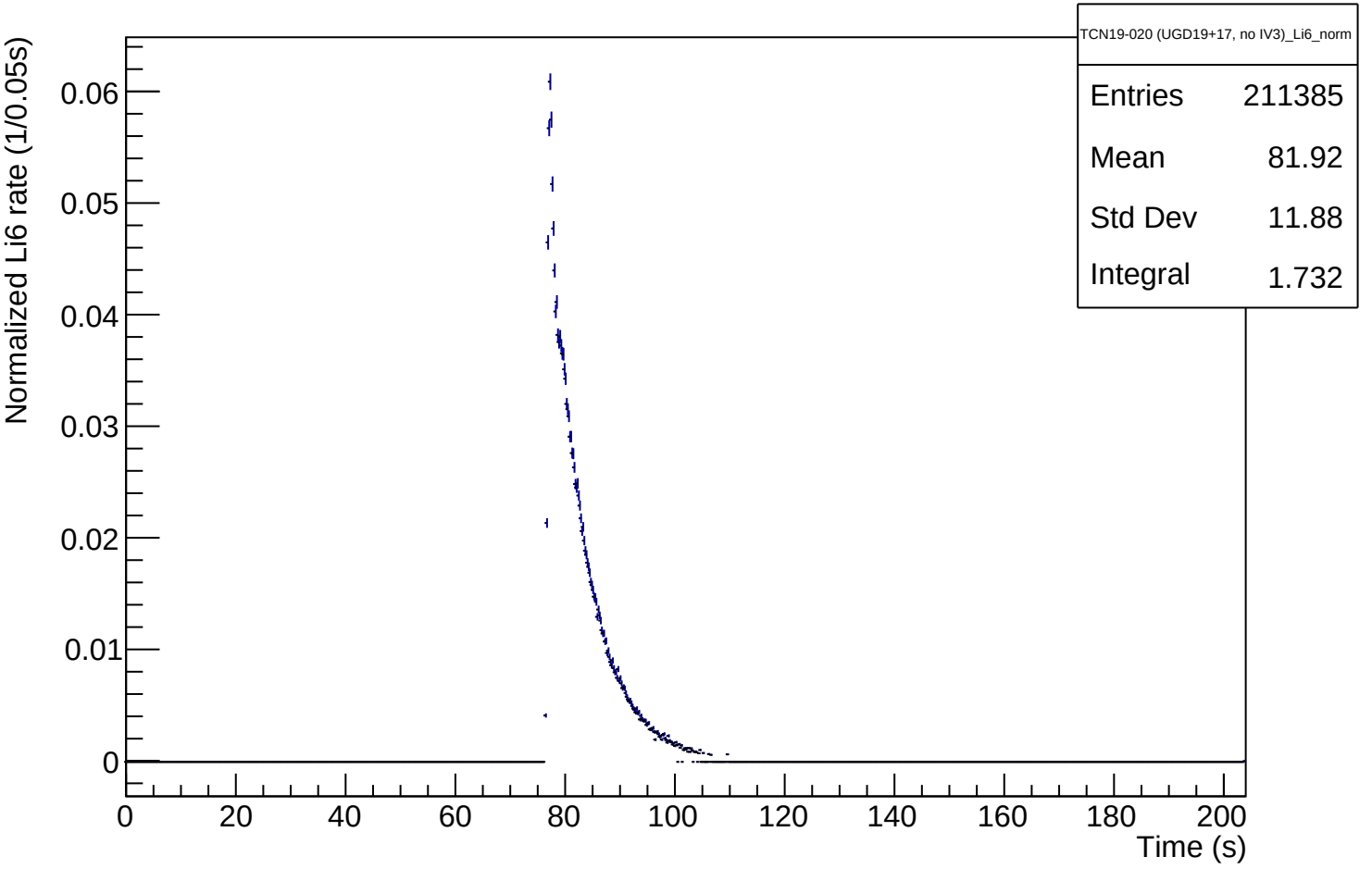

TCN19-020 (UGD19+17, no IV3), transmission normalized during prestorage
χ^2 / ndf 37.35 / 30
Prob 0.1671
$\overline{R}$ 1.881 ± 0.006867
UCN-count-to-monitor ratio
2
1.95
1.9
1.85
1.8
1.75
0
5
10
15
20
25
30
Cycle

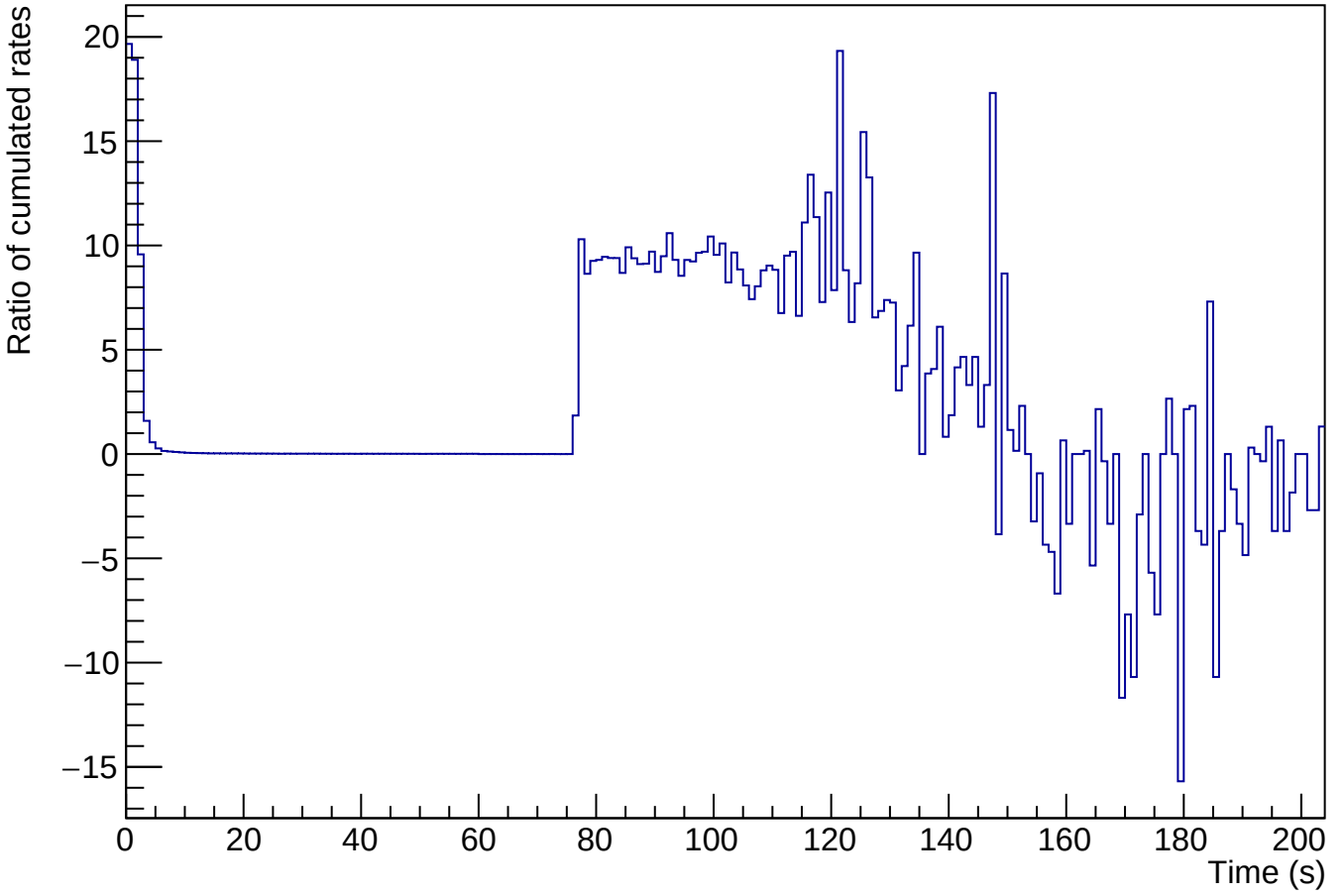

Graph
Vapor pressure (torr)
0.095
0.09
0.085
0.08
0.075
0.07
0.065
Temperature (K)
0.98
0.975
0.97
0.965
0.96
0.955
0.95
0.945
0.94
0
5
10
15
20
25
30
Cycle

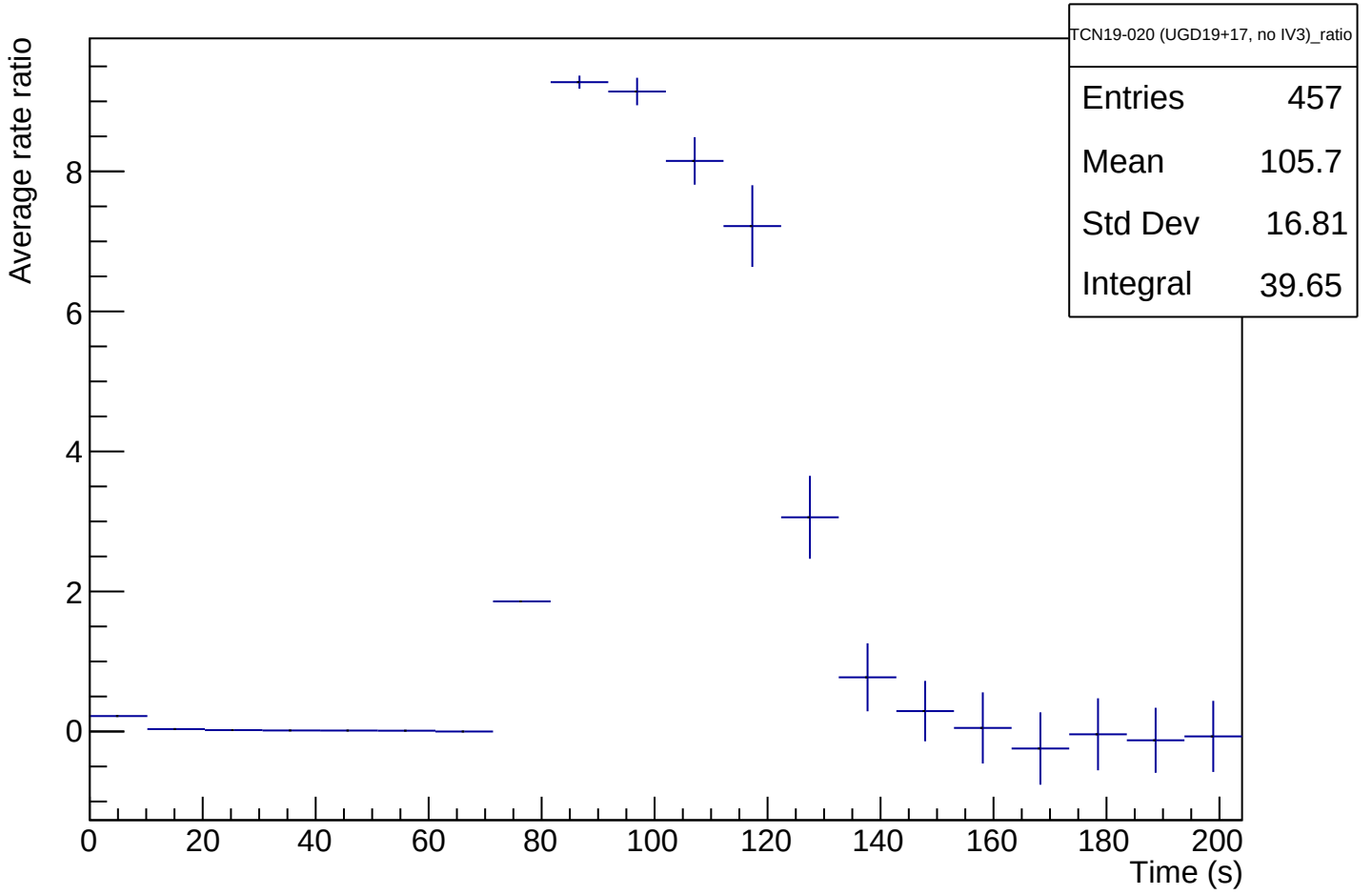

χ^2 / ndf 20.01 / 30
Prob 0.9163
p0 1.474 ± 0.06351
li6 background rate (1/s)
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
5
10
15
20
25
30
35
Cycle

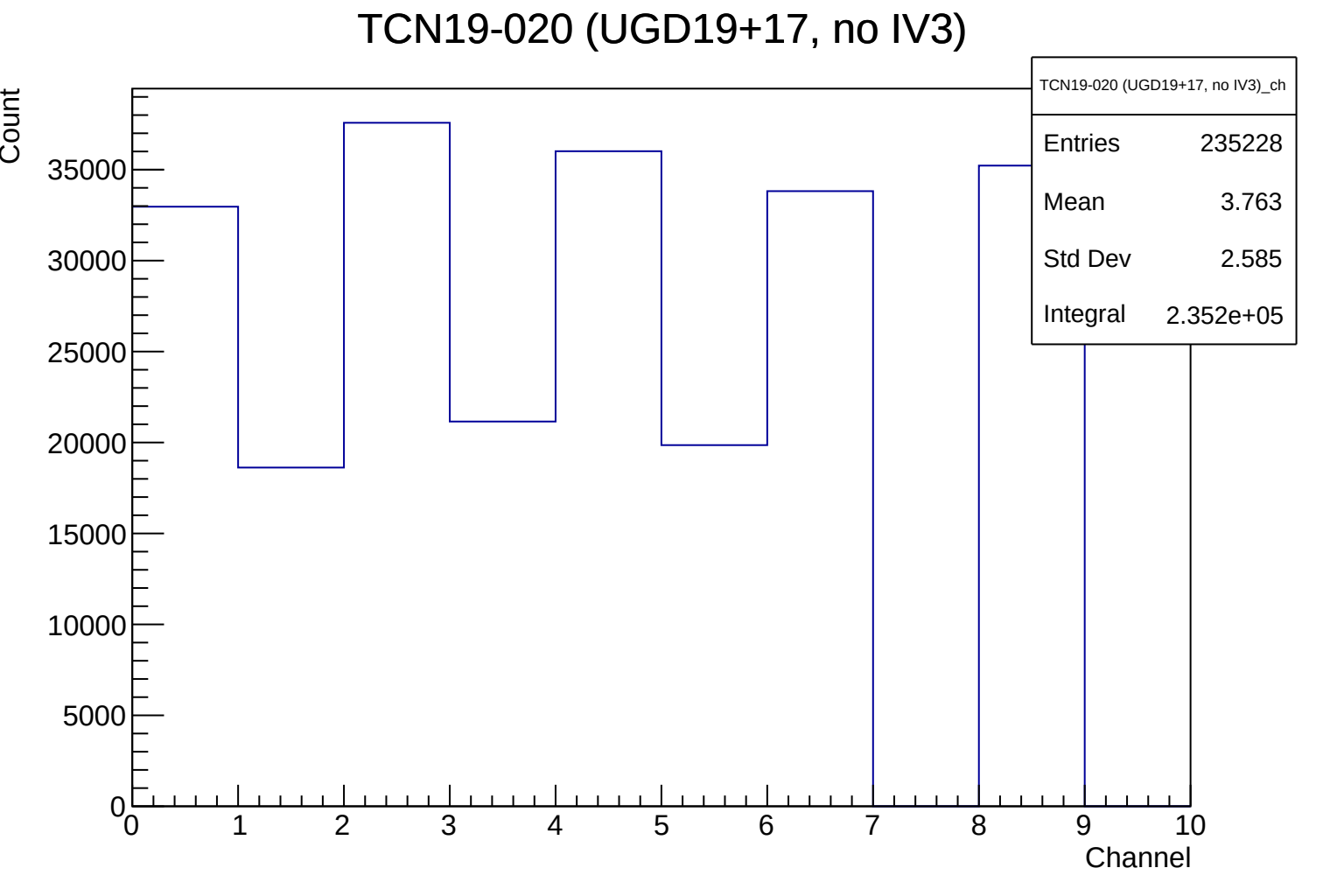

TCN19-020 (UGD19+17, no IV3)_He3
Entries 511121
Mean 48.36
Std Dev 18.33
Integral 5.111e+05
χ² / ndf 79.52 / 57
Prob 0.02605
p0 6239 ± 56.6
τd 10.24 ± 0.15
τ 34.22 ± 0.84
He3 rate (1/s)
Time (s)
0
2000
4000
6000
8000
10000
0
20
40
60
80
100
120
140
160
180
200

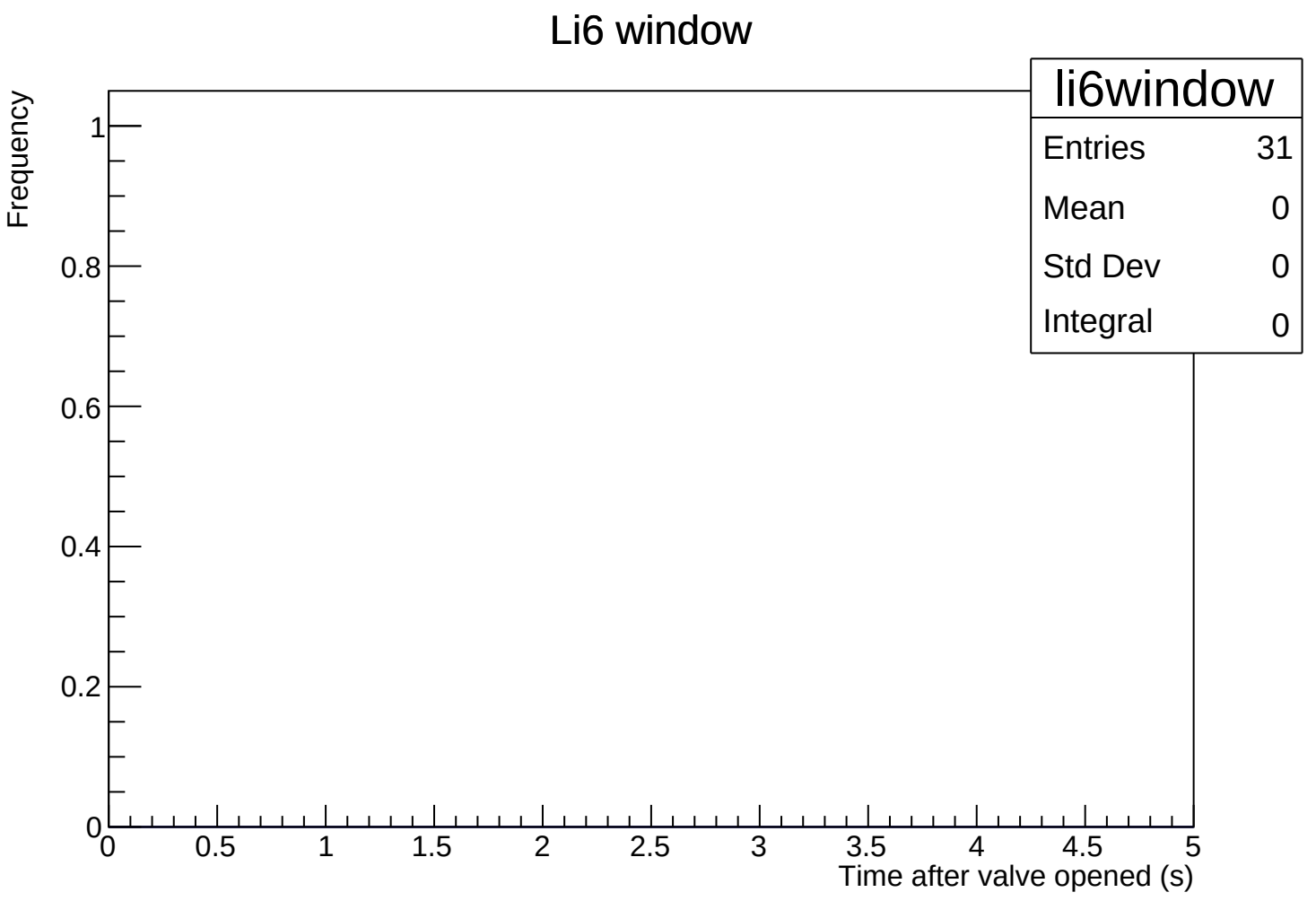

TCN19-020 (UGD19+17, no IV3)_Li6
Entries 235228
Mean 82.71
Std Dev 16.97
Integral 2.352e+05
χ² / ndf 5659 / 2392
Prob 0
t_d 16.51 ± 0.00
p_0 166.4 ± 0.4
τ_rise 0.2809 ± 0.0041
τ_1 15 ± 0.0
N_2 10 ± 0.0
τ_2 5.502 ± 0.012
p6 −2.108e+06 ± 1.414e+00
p7 0 ± 1.0
Li6 rate (1/0.05s)
Time (s)
0
200
400
600
800
1000
1200
1400
1600
1800
0
20
40
60
80
100
120
140
160
180
200


TCN19-020 (UGD19+17, no IV3)_Li6_norm
Entries 211385
Mean 81.92
Std Dev 11.88
Integral 1.732
Normalized Li6 rate (1/0.05s)
0.06
0.05
0.04
0.03
0.02
0.01
0
0 20 40 60 80 100 120 140 160 180 200
Time (s)


Ratio of cumulated rates
20
15
10
5
0
−5
−10
−15
0
20
40
60
80
100
120
140
160
180
200
Time (s)


TCN19-020 (UGD19+17, no IV3)_ratio
Entries 457
Mean 105.7
Std Dev 16.81
Integral 39.65
Average rate ratio
Time (s)
0
2
4
6
8
0
20
40
60
80
100
120
140
160
180
200


TCN19-020 (UGD19+17, no IV3)
TCN19-020 (UGD19+17, no IV3)_ch
Entries 235228
Mean 3.763
Std Dev 2.585
Integral 2.352e+05
Count
35000
30000
25000
20000
15000
10000
5000
0
0 1 2 3 4 5 6 7 8 9 10
Channel


Li6 window
li6window
Entries 31
Mean 0
Std Dev 0
Integral 0
Frequency
1
0.8
0.6
0.4
0.2
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
Time after valve opened (s)