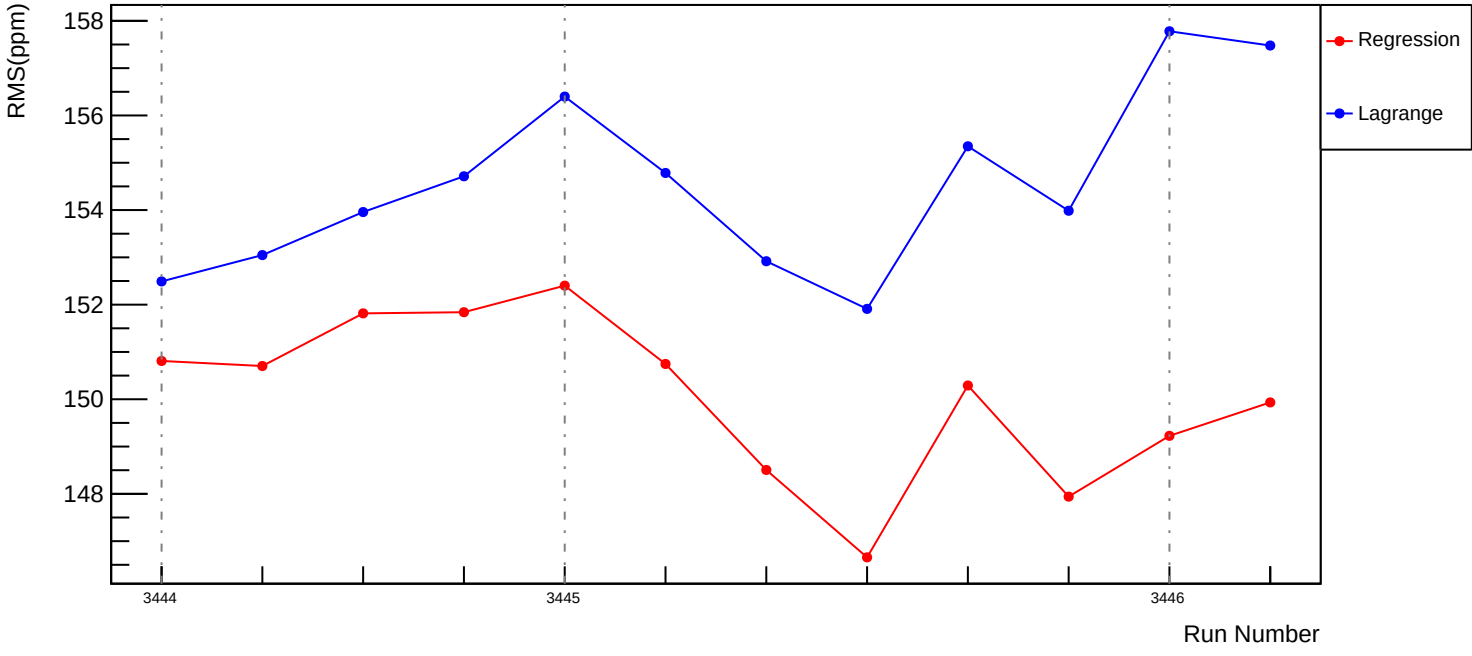
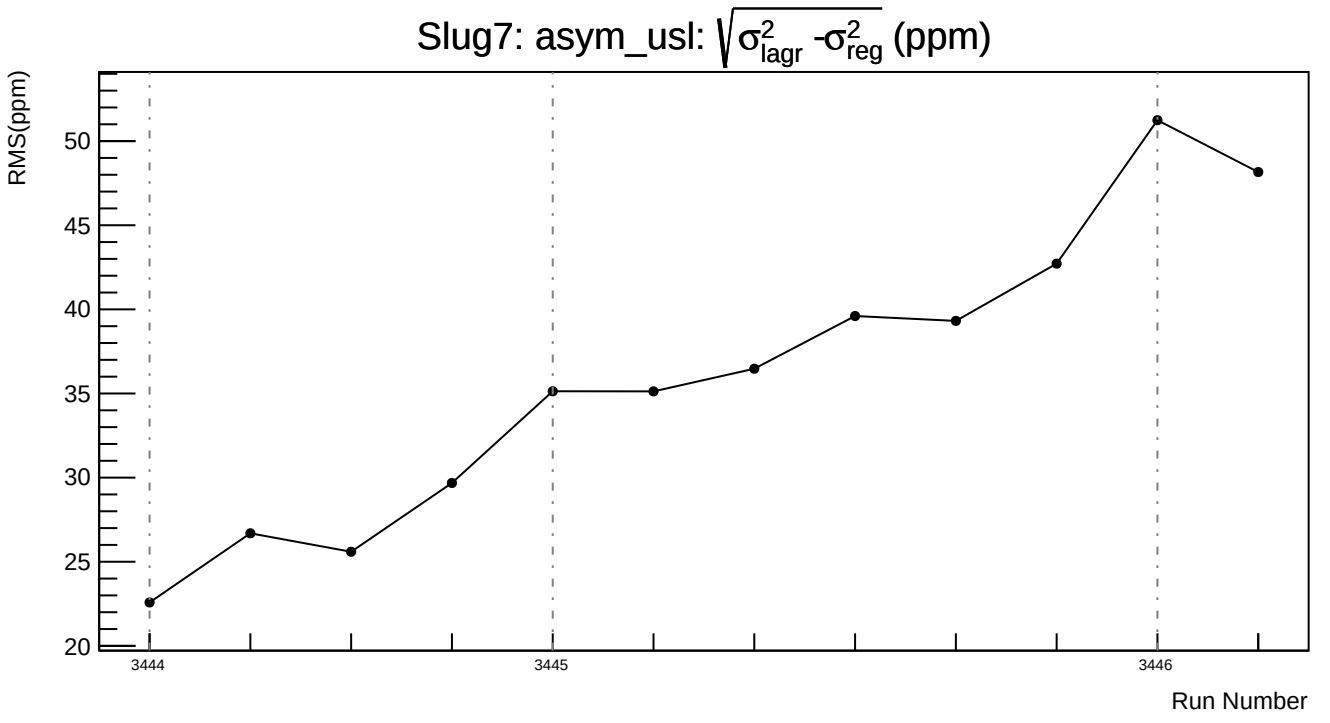
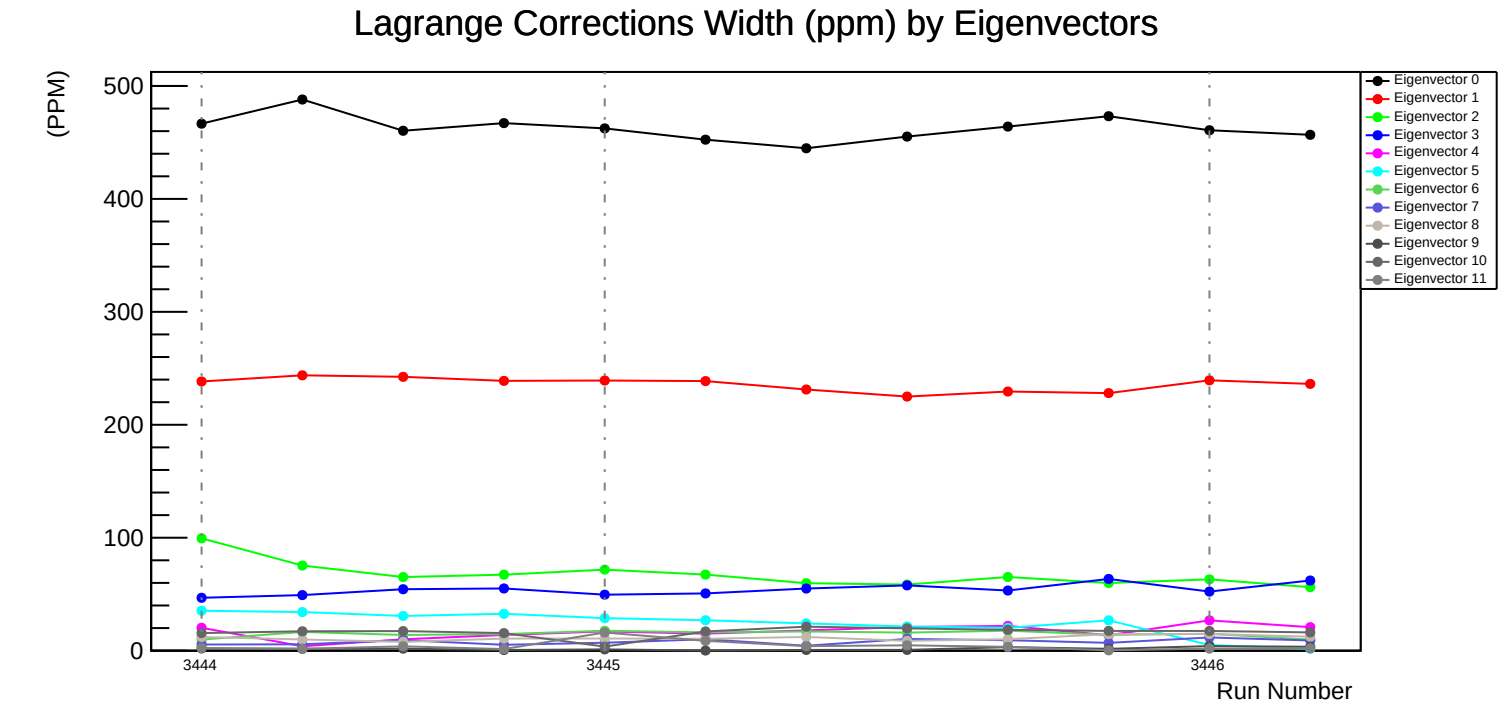
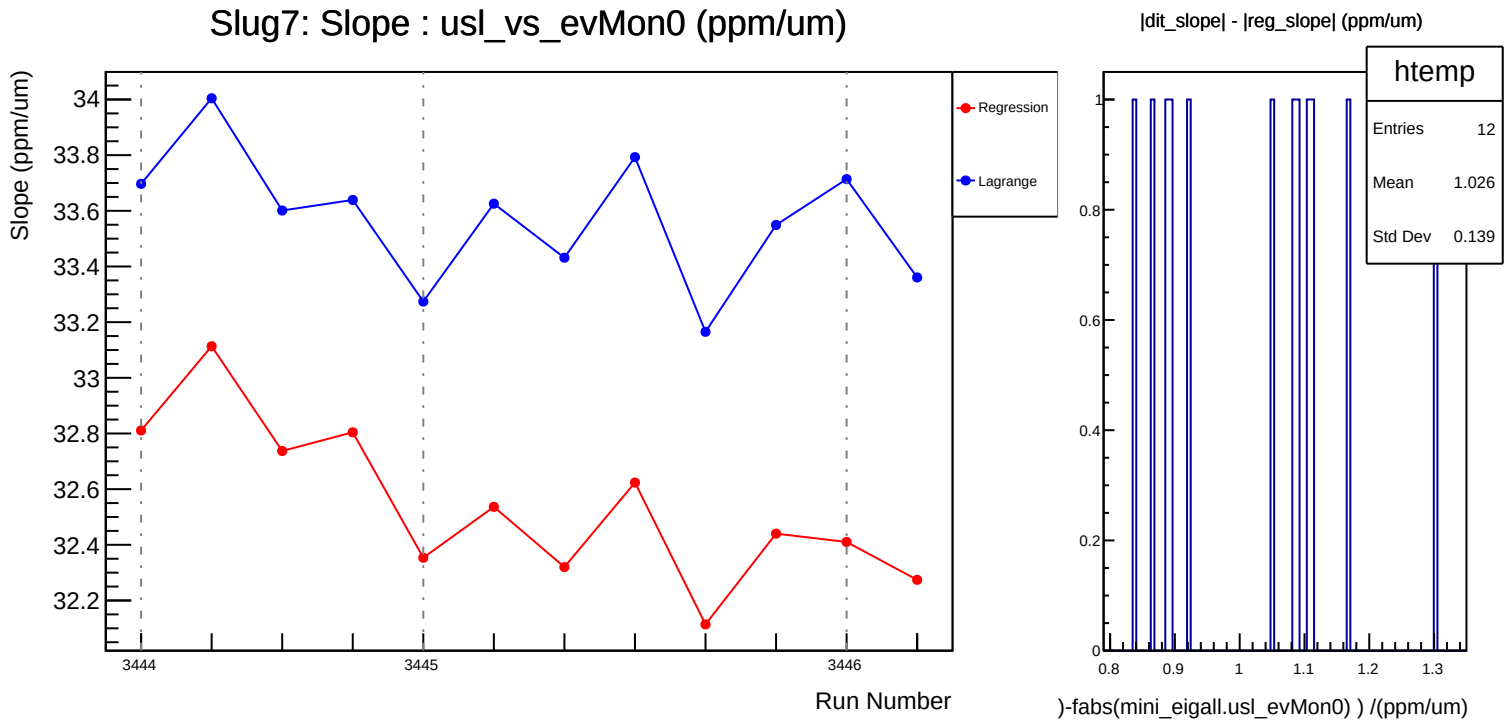
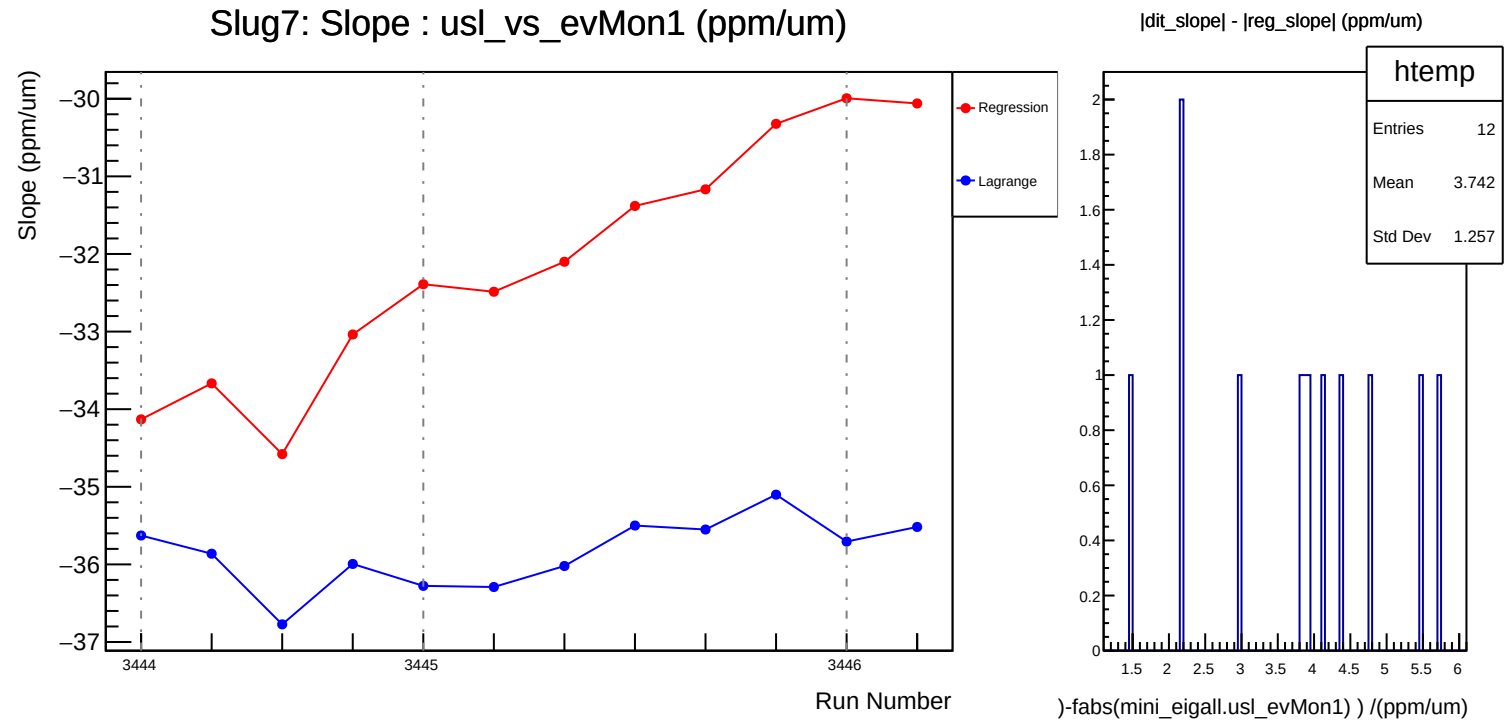
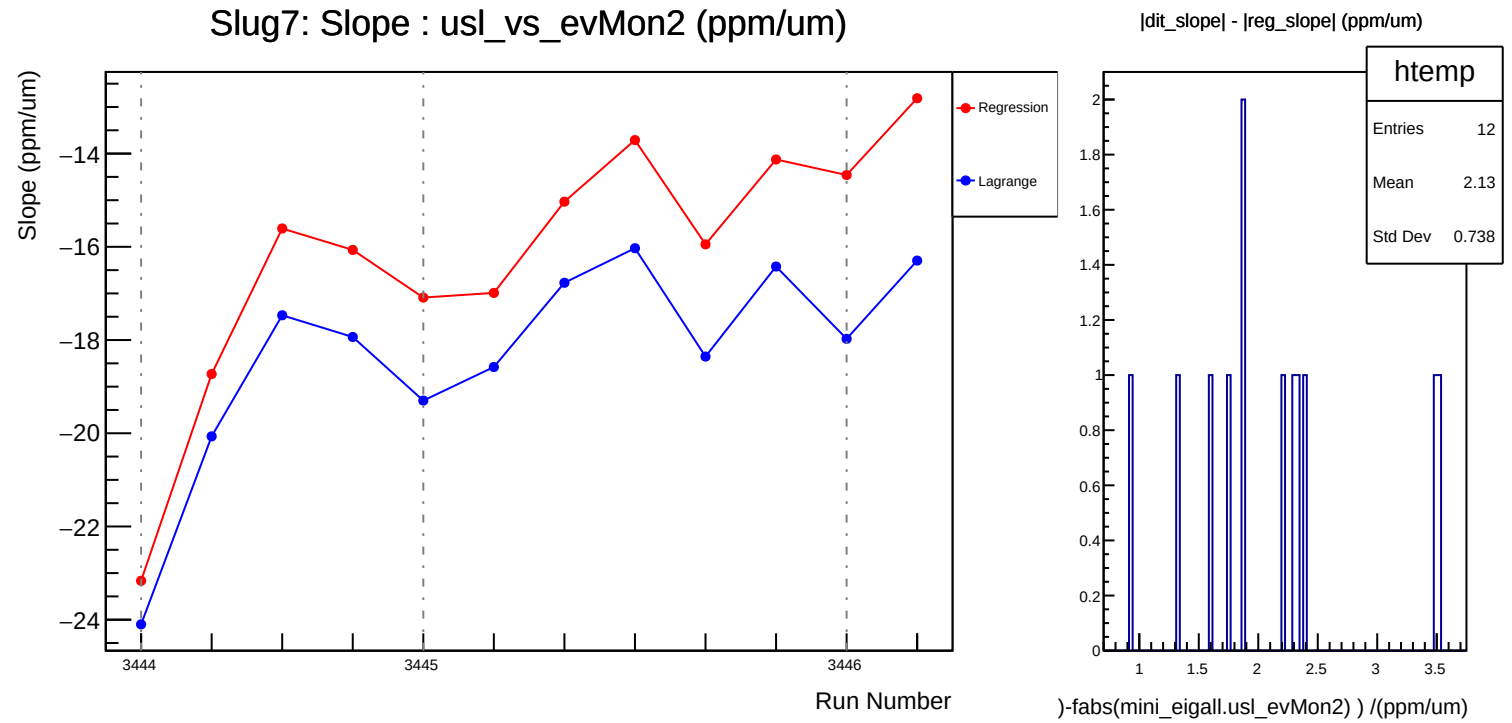

Slug7: Corrected RMS (ppm): asym_usl
RMS(ppm)
158
156
154
152
150
148
3444
3445
3446
Run Number
Regression
Lagrange

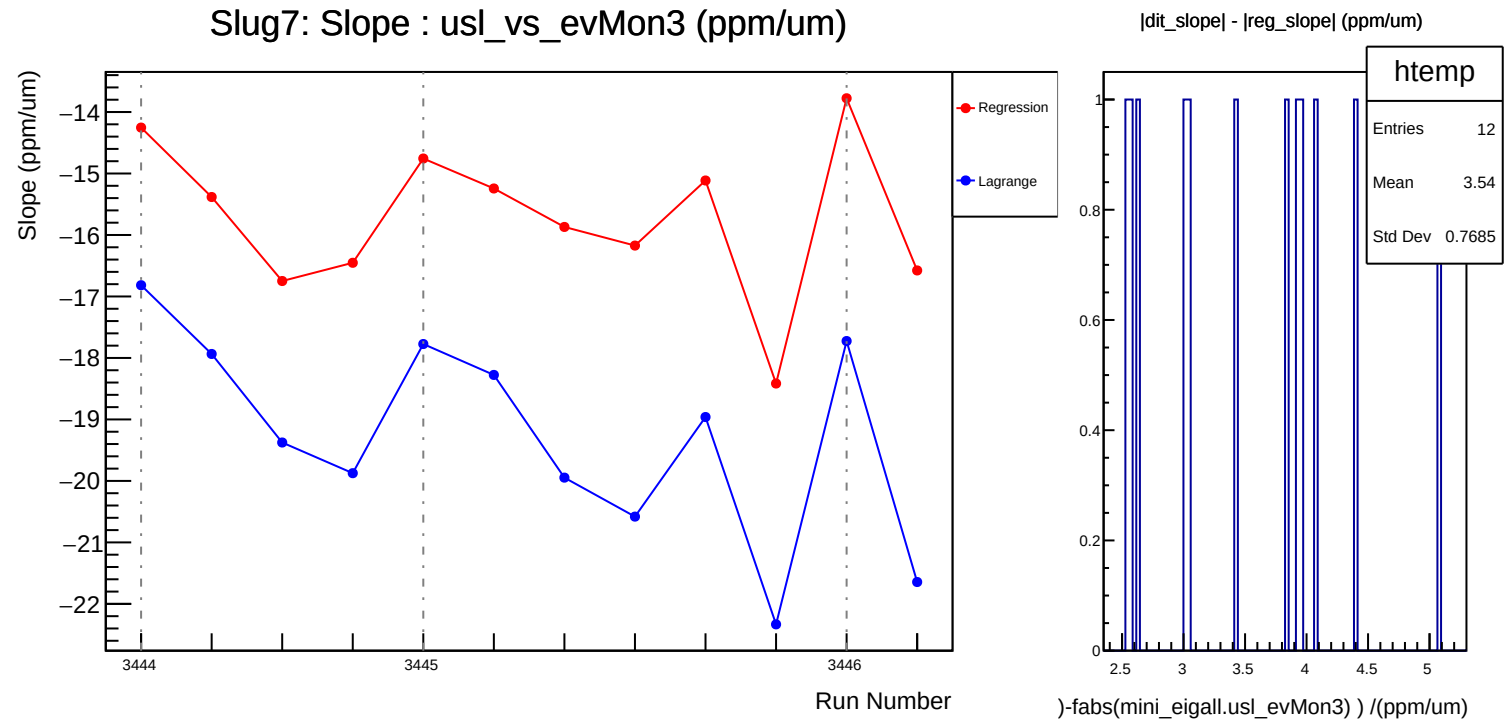

Slug7: asym_usl: $\sqrt{\sigma^2_{lagr} - \sigma^2_{reg}}$ (ppm)
RMS(ppm)
50
45
40
35
30
25
20
3444
3445
3446
Run Number

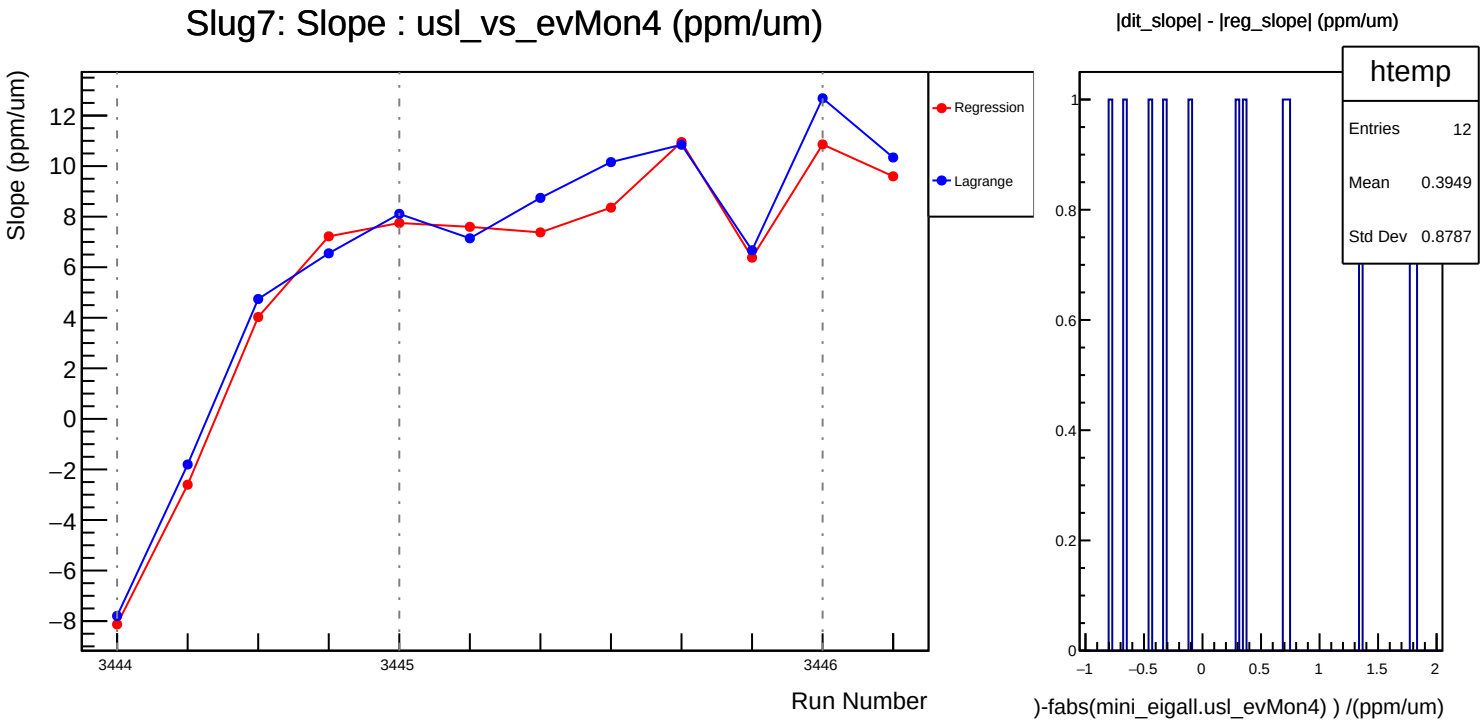

Lagrange Corrections Width (ppm) by Eigenvectors
(PPM)
500
400
300
200
100
0
3444
3445
3446
Run Number
Eigenvector 0
Eigenvector 1
Eigenvector 2
Eigenvector 3
Eigenvector 4
Eigenvector 5
Eigenvector 6
Eigenvector 7
Eigenvector 8
Eigenvector 9
Eigenvector 10
Eigenvector 11

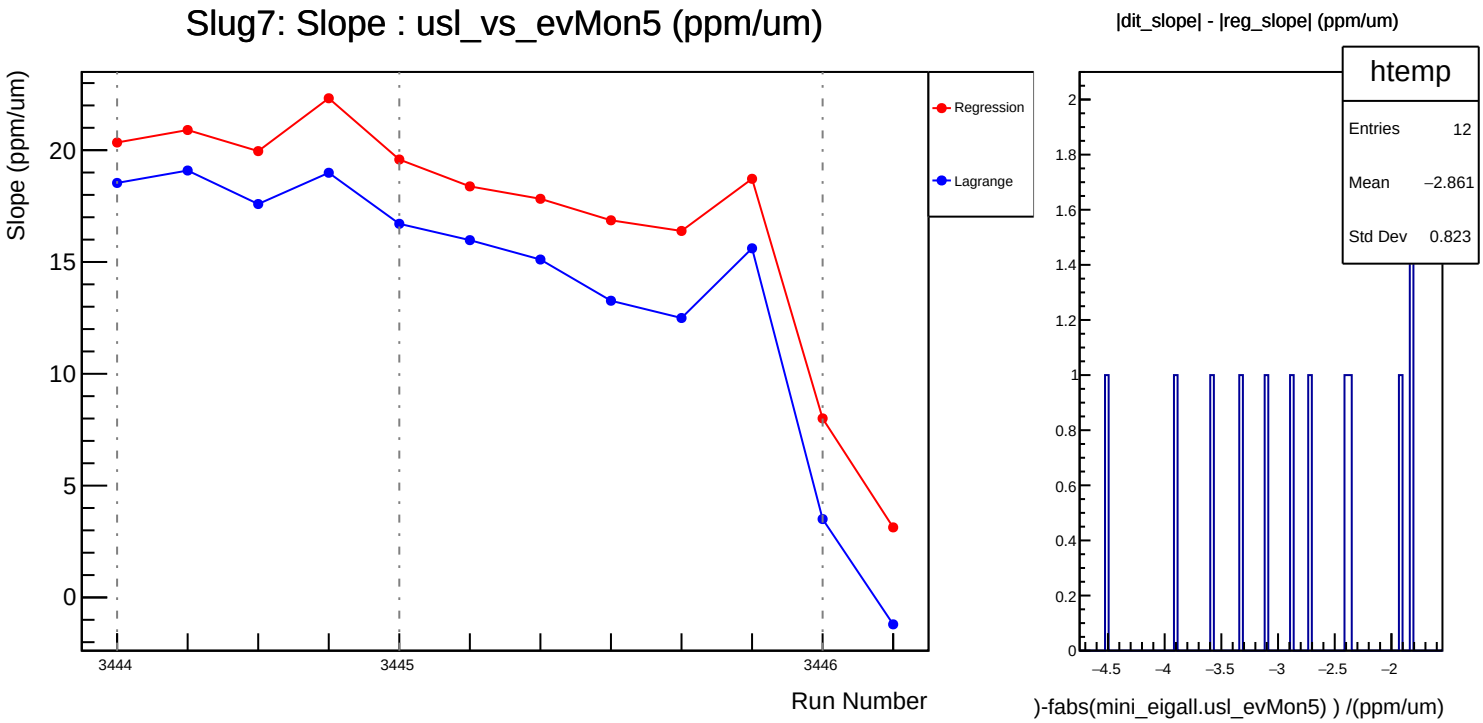

Slug7: Slope : usl_vs_evMon0 (ppm/um)
Slope (ppm/um)
34
33.8
33.6
33.4
33.2
33
32.8
32.6
32.4
32.2
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 1.026
Std Dev 0.139
1
0.8
0.6
0.4
0.2
0
0.8
0.9
1
1.1
1.2
1.3
)-fabs(mini_eigall.usl_evMon0)) /(ppm/um)

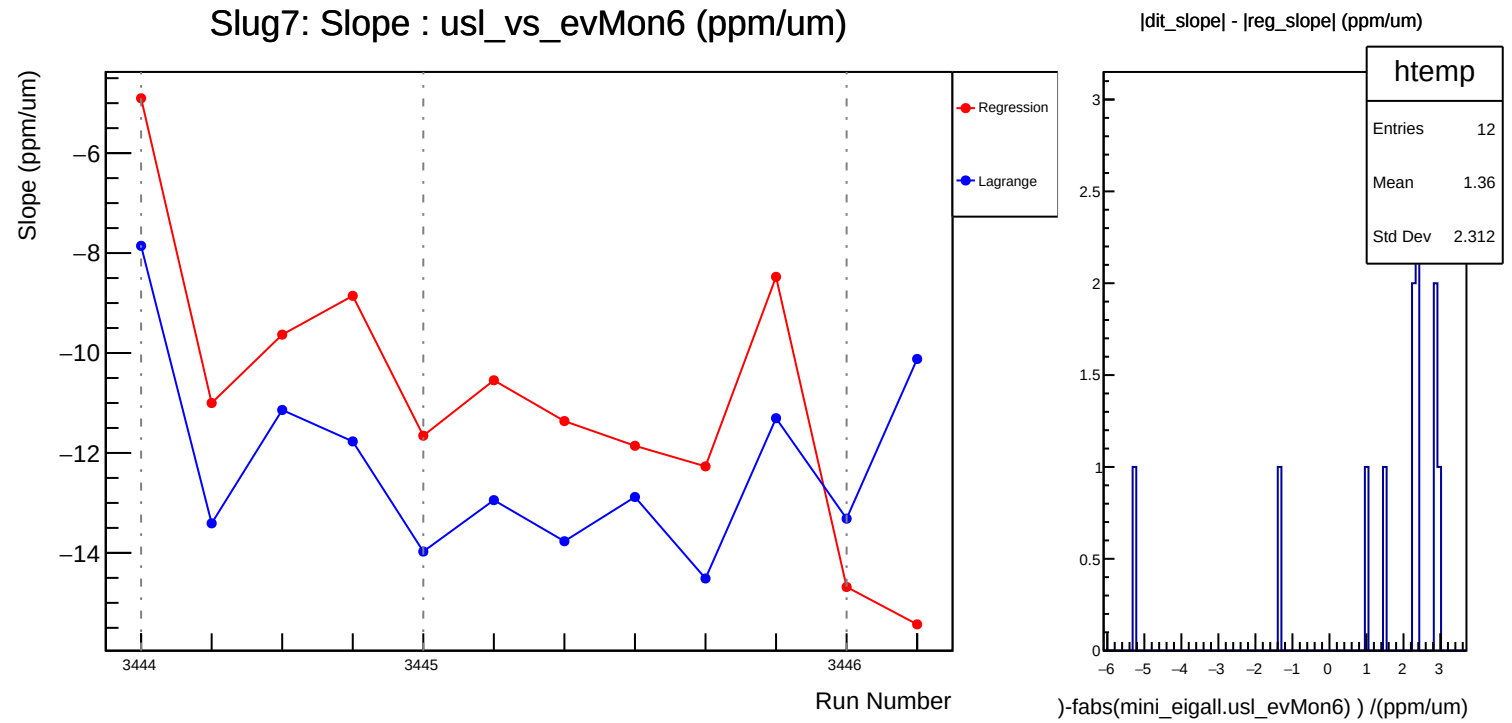

Slug7: Slope : usl_vs_evMon1 (ppm/um)
Slope (ppm/um)
−30
−31
−32
−33
−34
−35
−36
−37
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 3.742
Std Dev 1.257
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1.5
2
2.5
3
3.5
4
4.5
5
5.5
6
)-fabs(mini_eigall.usl_evMon1)) /(ppm/um)

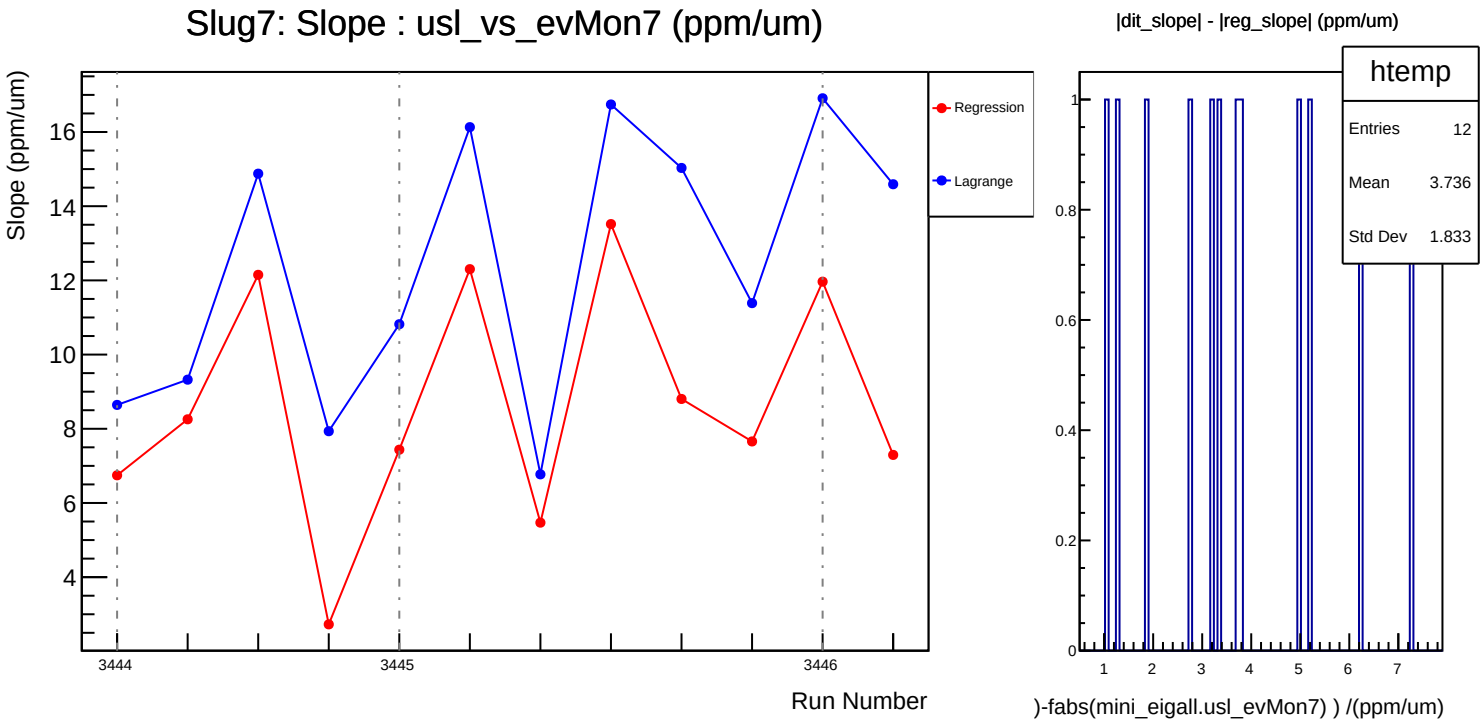

Slug7: Slope : usl_vs_evMon2 (ppm/um)
Slope (ppm/um)
−14
−16
−18
−20
−22
−24
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 2.13
Std Dev 0.738
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1
1.5
2
2.5
3
3.5
)-fabs(mini_eigall.usl_evMon2)) /(ppm/um)

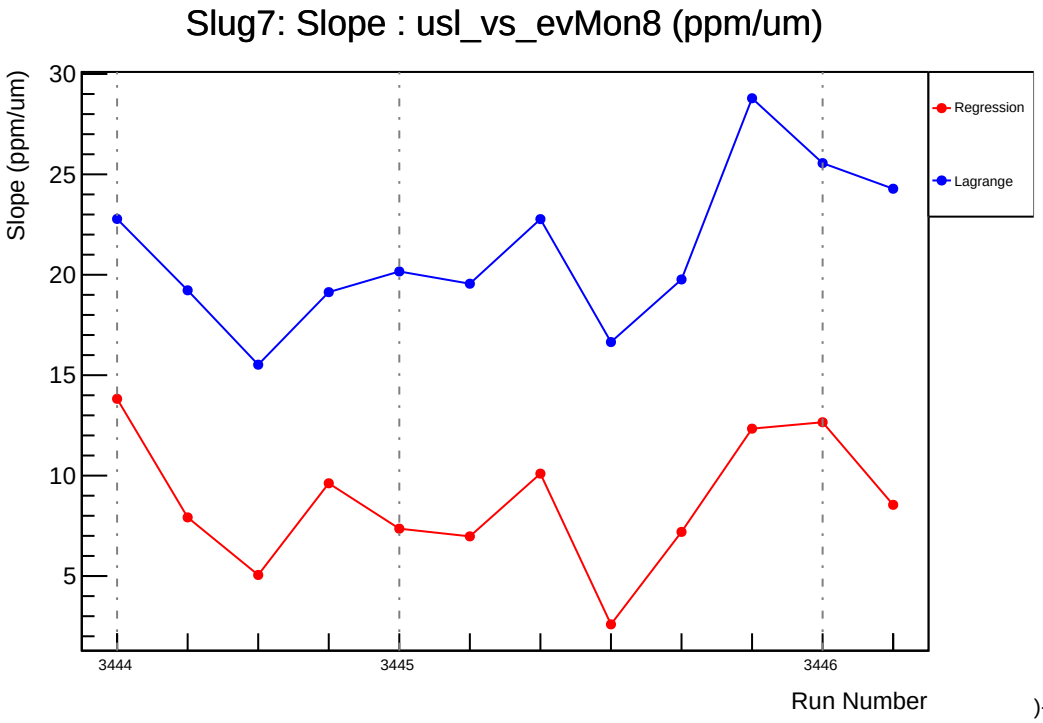

Slug7: Slope : usl_vs_evMon3 (ppm/um)
Slope (ppm/um)
−14
−15
−16
−17
−18
−19
−20
−21
−22
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 3.54
Std Dev 0.7685
1
0.8
0.6
0.4
0.2
0
2.5
3
3.5
4
4.5
5
)-fabs(mini_eigall.usl_evMon3)) /(ppm/um)

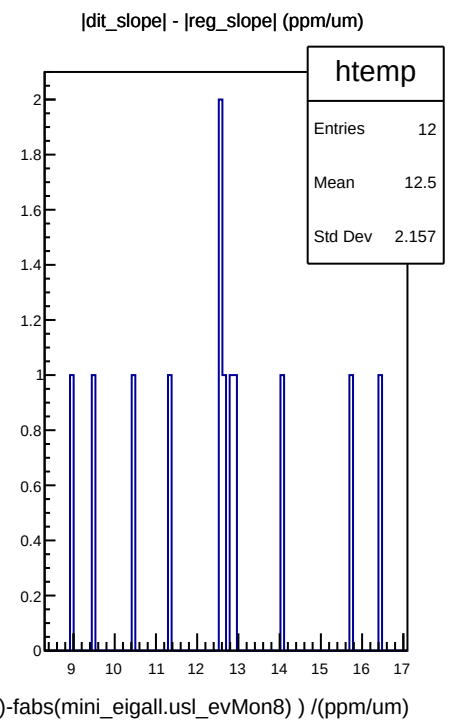

Slug7: Slope : usl_vs_evMon4 (ppm/um)
Slope (ppm/um)
12
10
8
6
4
2
0
−2
−4
−6
−8
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 0.3949
Std Dev 0.8787
1
0.8
0.6
0.4
0.2
0
−1
−0.5
0
0.5
1
1.5
2
)-fabs(mini_eigall.usl_evMon4)) /(ppm/um)

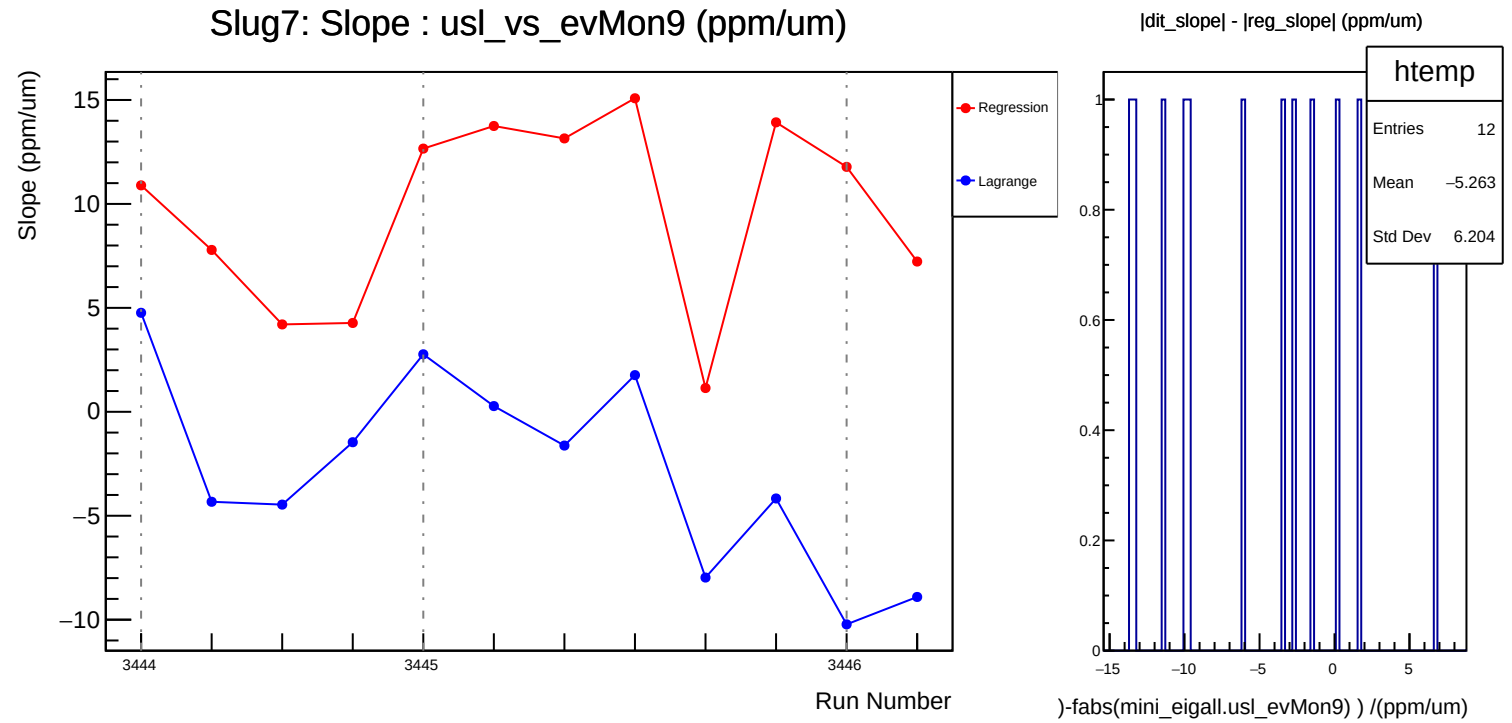

Slug7: Slope : usl_vs_evMon5 (ppm/um)
Slope (ppm/um)
20
15
10
5
0
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean −2.861
Std Dev 0.823
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−4.5
−4
−3.5
−3
−2.5
−2
)-fabs(mini_eigall.usl_evMon5)) /(ppm/um)

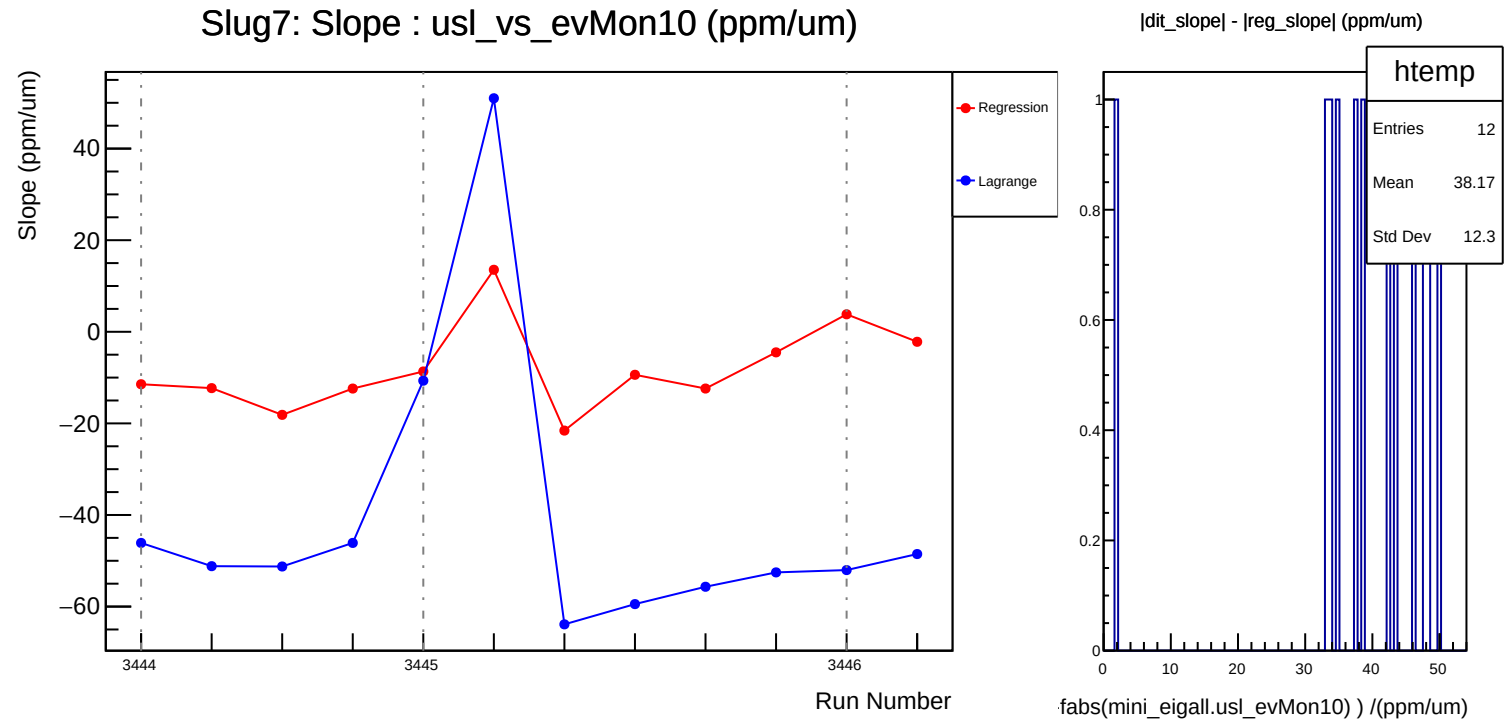

Slug7: Slope : usl_vs_evMon6 (ppm/um)
Slope (ppm/um)
−6
−8
−10
−12
−14
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 1.36
Std Dev 2.312
3
2.5
2
1.5
1
0.5
0
−6 −5 −4 −3 −2 −1 0 1 2 3
)-fabs(mini_eigall.usl_evMon6)) /(ppm/um)

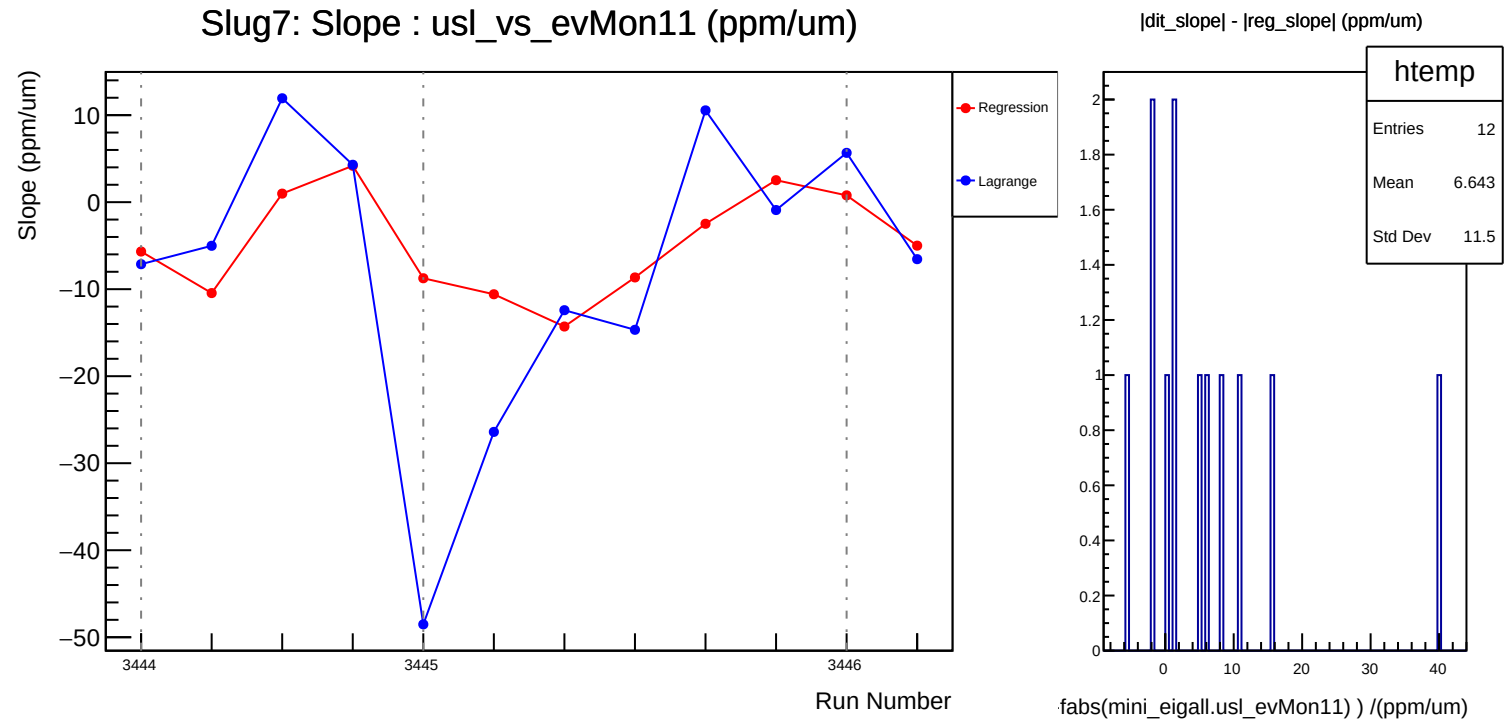

Slug7: Slope : usl_vs_evMon7 (ppm/um)
Slope (ppm/um)
Run Number
Regression
Lagrange
3444
3445
3446
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 3.736
Std Dev 1.833
)-fabs(mini_eigall.usl_evMon7)) /(ppm/um)


Slug7: Slope : usl_vs_evMon8 (ppm/um)
Slope (ppm/um)
30
25
20
15
10
5
3444
3445
3446
Run Number
Regression
Lagrange


|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 12.5
Std Dev 2.157
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
9
10
11
12
13
14
15
16
17
)-fabs(mini_eigall.usl_evMon8)) /(ppm/um)


Slug7: Slope : usl_vs_evMon9 (ppm/um)
Slope (ppm/um)
15
10
5
0
−5
−10
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean −5.263
Std Dev 6.204
1
0.8
0.6
0.4
0.2
0
−15
−10
−5
0
5
)-fabs(mini_eigall.usl_evMon9)) /(ppm/um)


Slug7: Slope : usl_vs_evMon10 (ppm/um)
Slope (ppm/um)
40
20
0
−20
−40
−60
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 38.17
Std Dev 12.3
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
fabs(mini_eigall.usl_evMon10)) /(ppm/um)


Slug7: Slope : usl_vs_evMon11 (ppm/um)
Slope (ppm/um)
10
0
−10
−20
−30
−40
−50
3444
3445
3446
Run Number
Regression
Lagrange
|dit_slope| - |reg_slope| (ppm/um)
htemp
Entries 12
Mean 6.643
Std Dev 11.5
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
fabs(mini_eigall.usl_evMon11)) /(ppm/um)