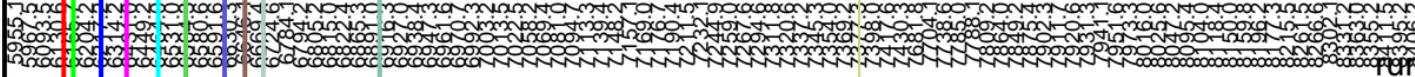


# reg\_asym\_usl\_diff\_bpm12X\_slope

slope(ppm/um)

-30  
-40  
-50  
-60  
-70  
-80



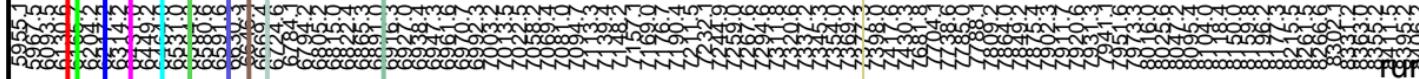
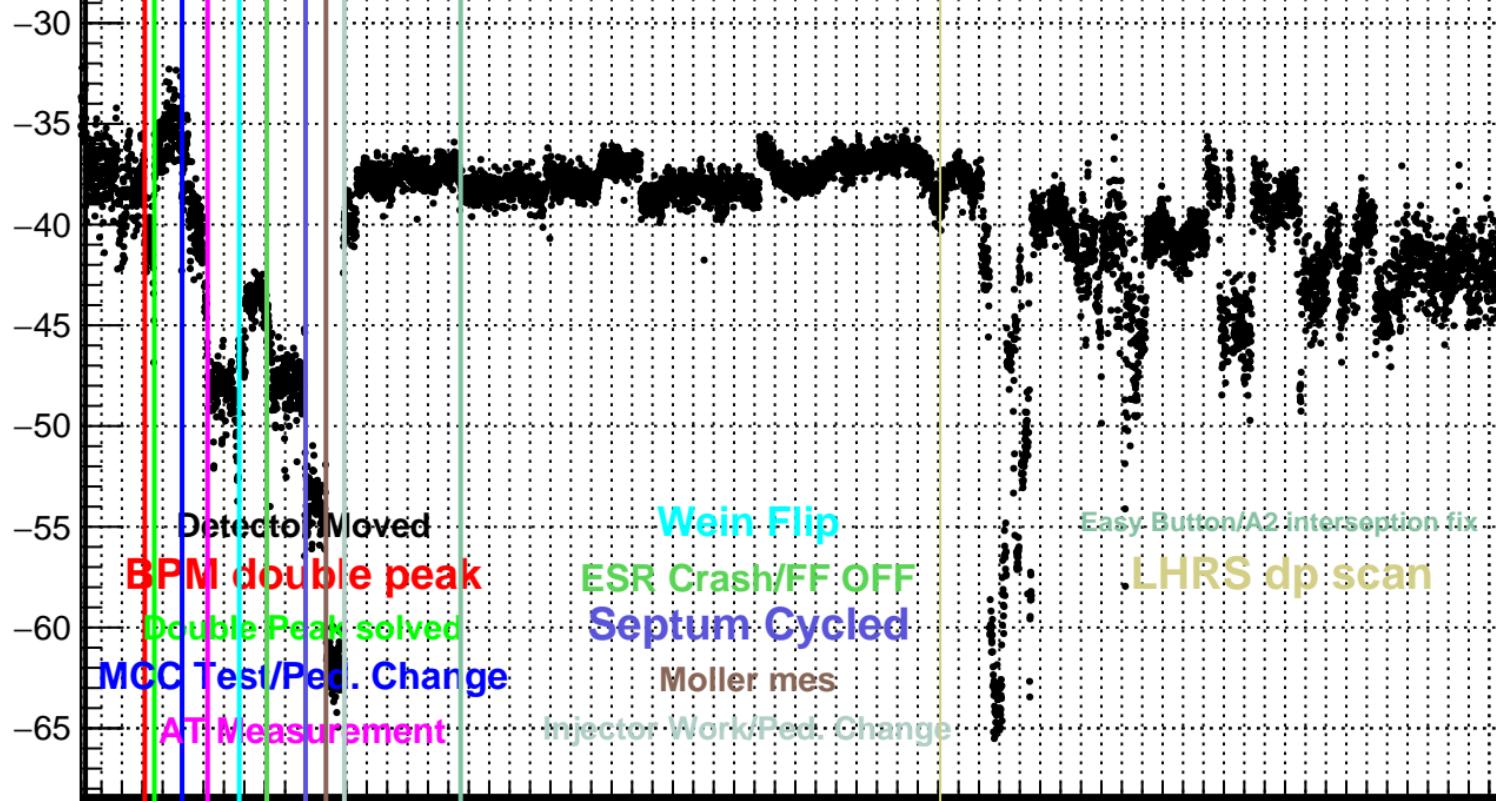
Detector Moved  
BPM double peak  
Double Peak solved  
MCC Test/Pet. Change  
AT Measurement

Wein Flip  
ESR Crash/FF OFF  
Septum Cycled  
Moller mes  
Injector Work/Ped. Change

Easy Button/A2 interseption fix  
LHRS dp scan

# reg\_asym\_usr\_diff\_bpm12X\_slope

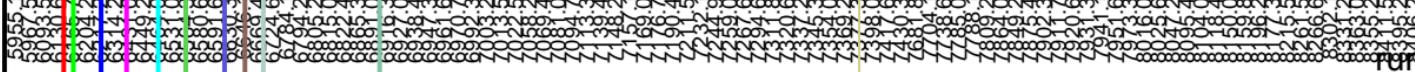
slope(ppm/um)



# reg\_asym\_atl1\_diff\_bpm12X\_slope

slope(ppm/um)

60  
40  
20  
0  
-20  
-40  
-60  
-80



Detector Moved

BPM double peak

Double Peak solved

MCC Test/Pec. Change

AT Measurement

Wein Flip

ESR Crash/FF OFF

Septum Cycled

Moller mes

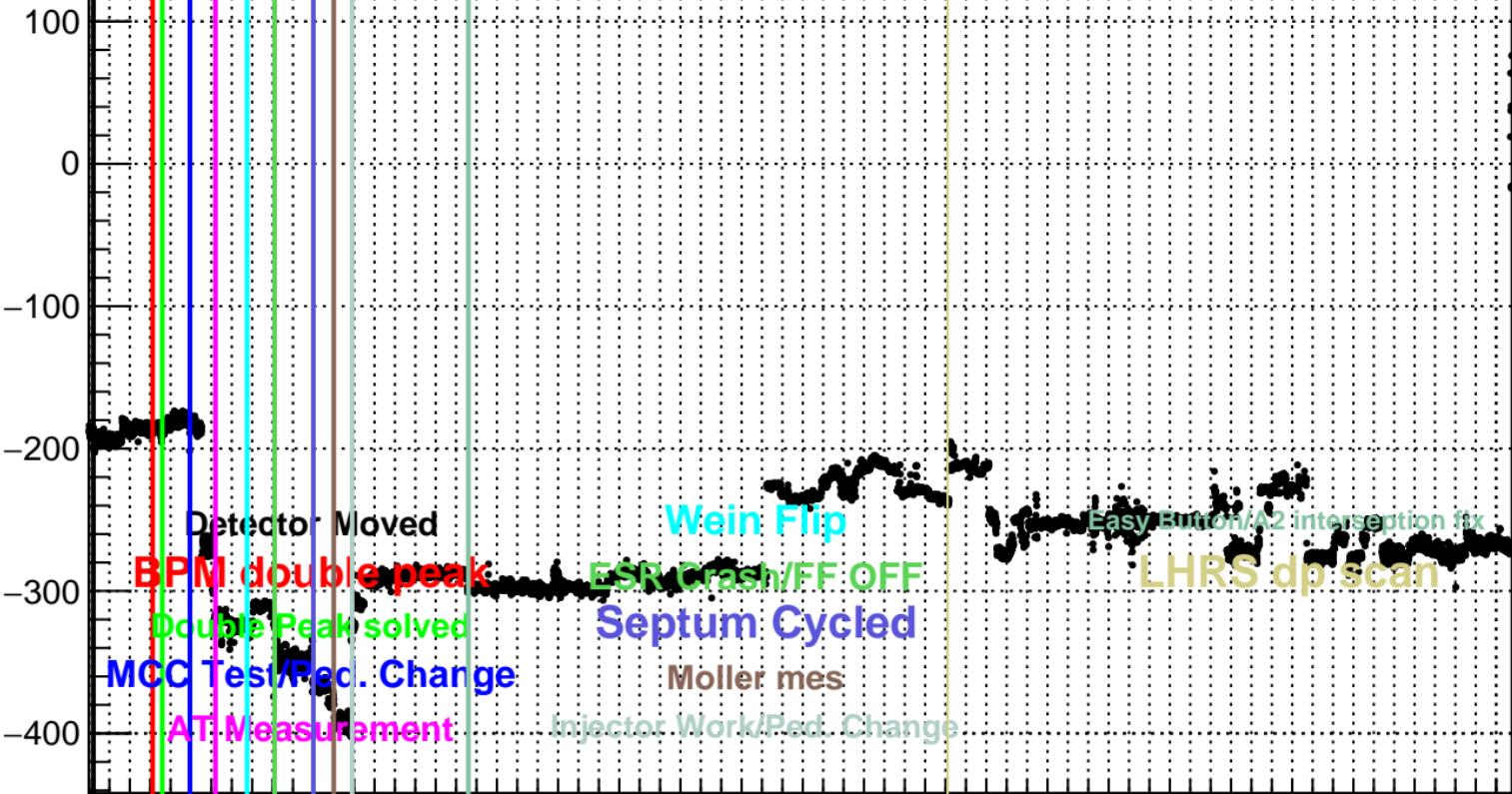
Injector Work/Pec. Change

Easy Button/A2 interseption fix

LHRS dp scan

# reg\_asym\_atl2\_diff\_bpm12X\_slope

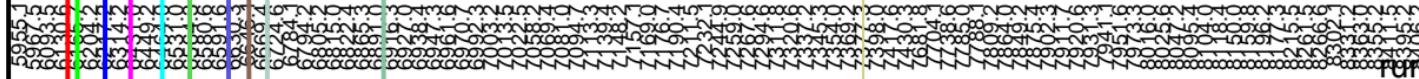
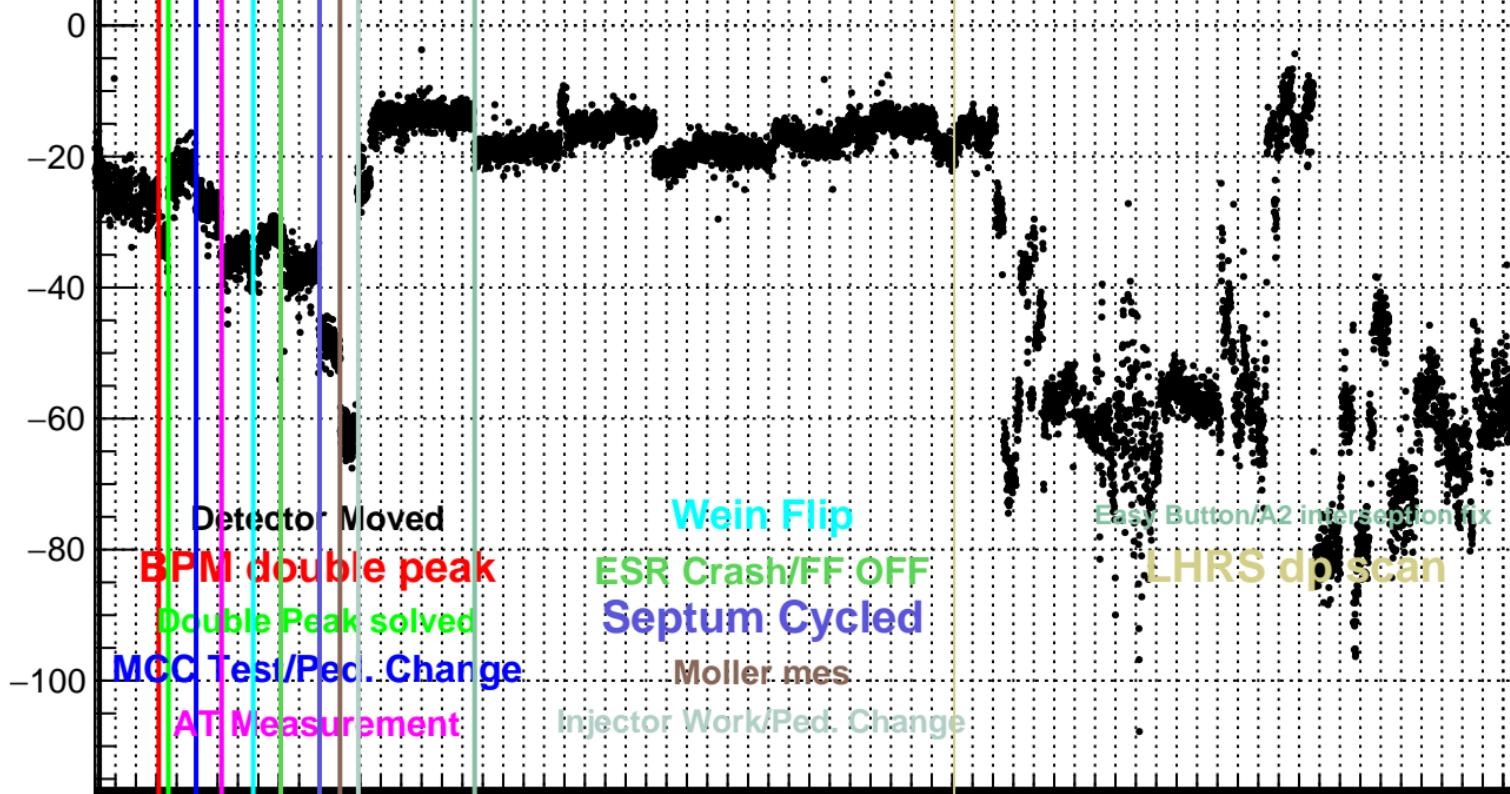
slope(ppm/um)



Time

# reg\_asym\_atr1\_diff\_bpm12X\_slope

slope(ppm/um)



# reg\_asym\_attr2\_diff\_bpm12X\_slope

slope(ppm/um)

100

0

-100

-200

-300

-400

Detector Moved

BPM double peak

Double Peak solved

MCC Test/Pec.. Change

ATI Measurement

Wein Flip

ESR Crash/FF OFF

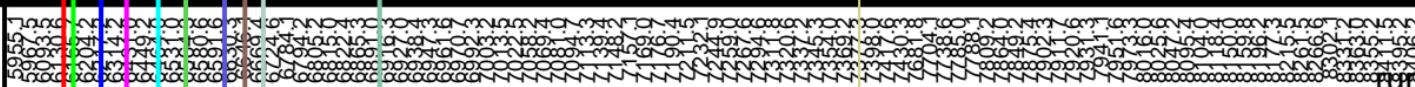
Septum Cycled

Moller mes.

Injector Work/Ped. Change

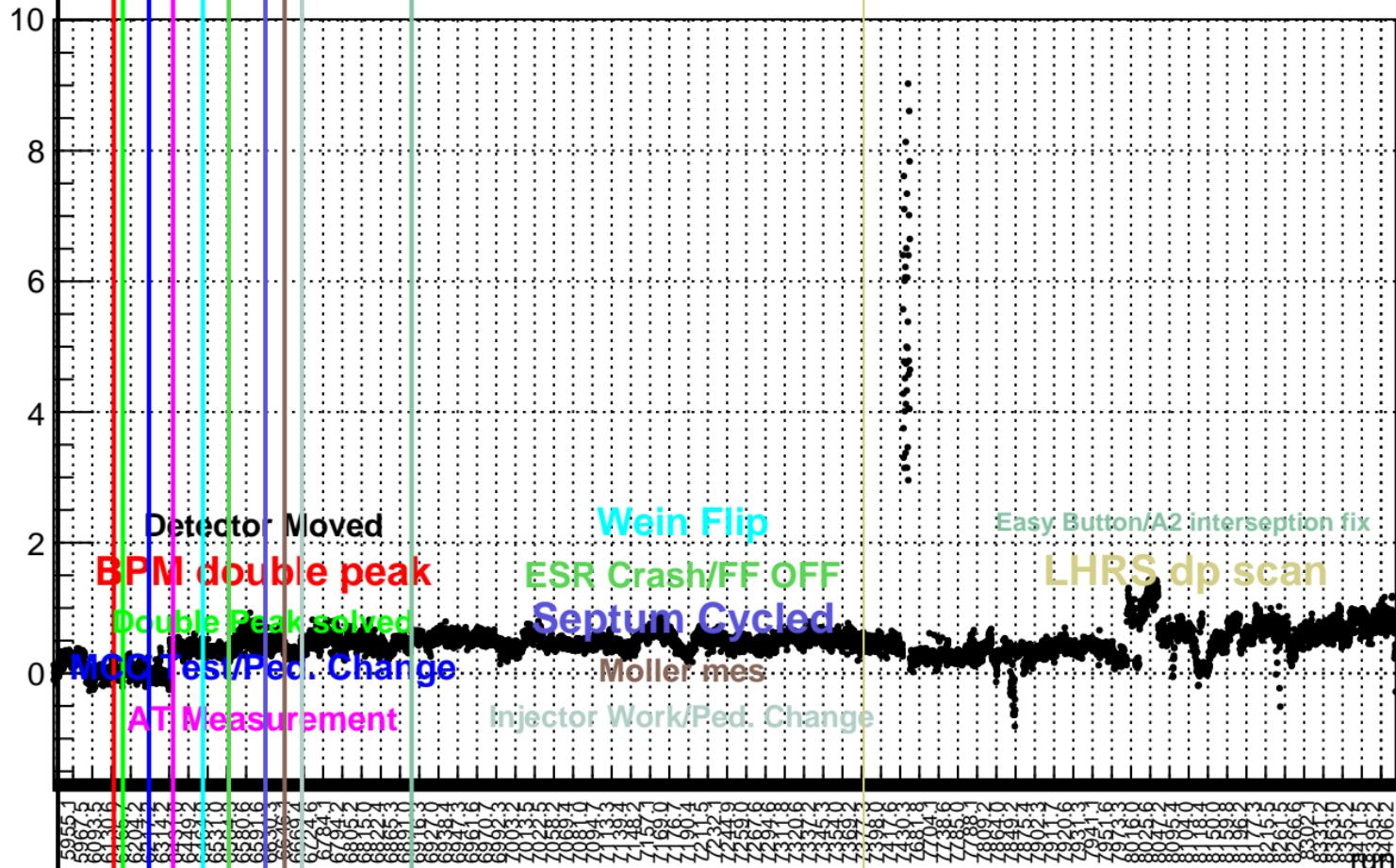
Easy Button/A2 interseption fix

LHPS dp scan



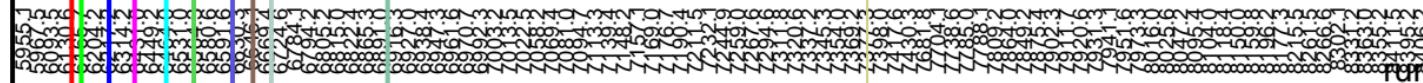
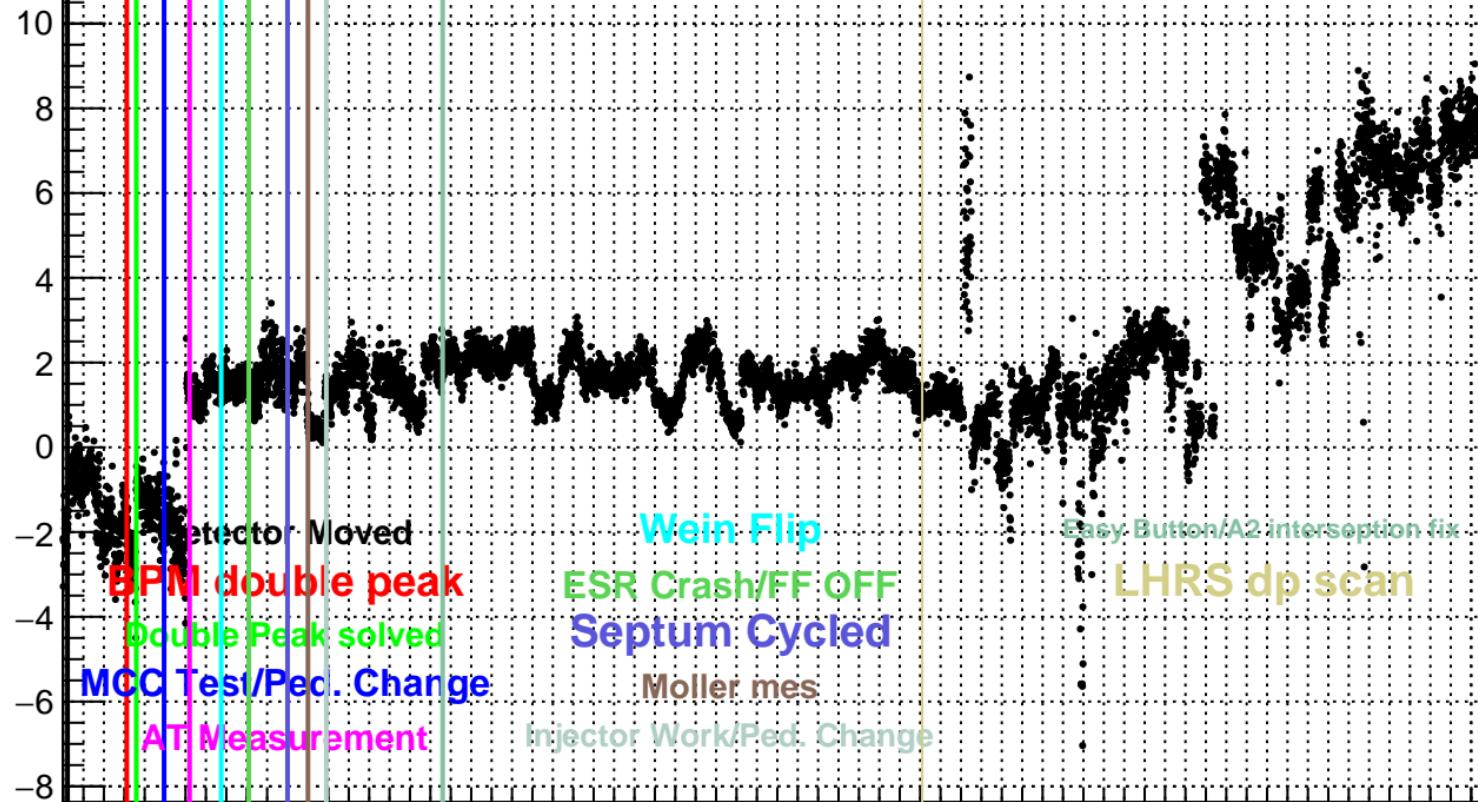
# reg\_asym\_sam1\_diff\_bpm12X\_slope

slope(ppm/um)



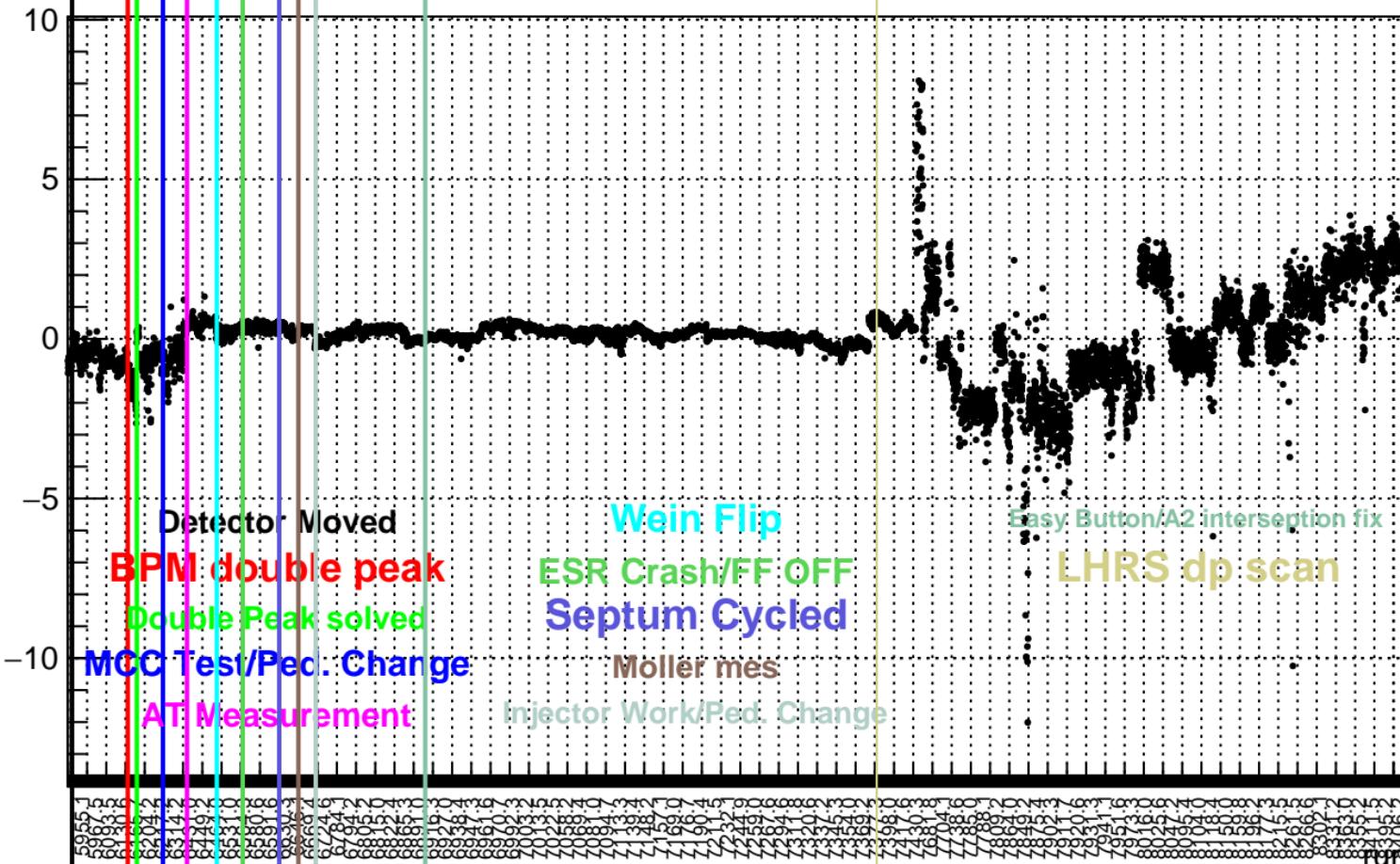
# reg\_asym.sam2\_diff.bpm12X\_slope

slope(ppm/um)



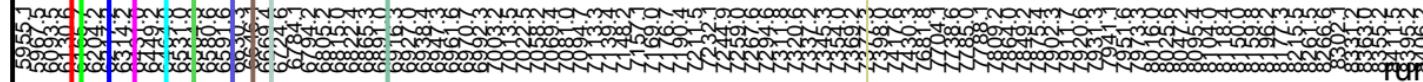
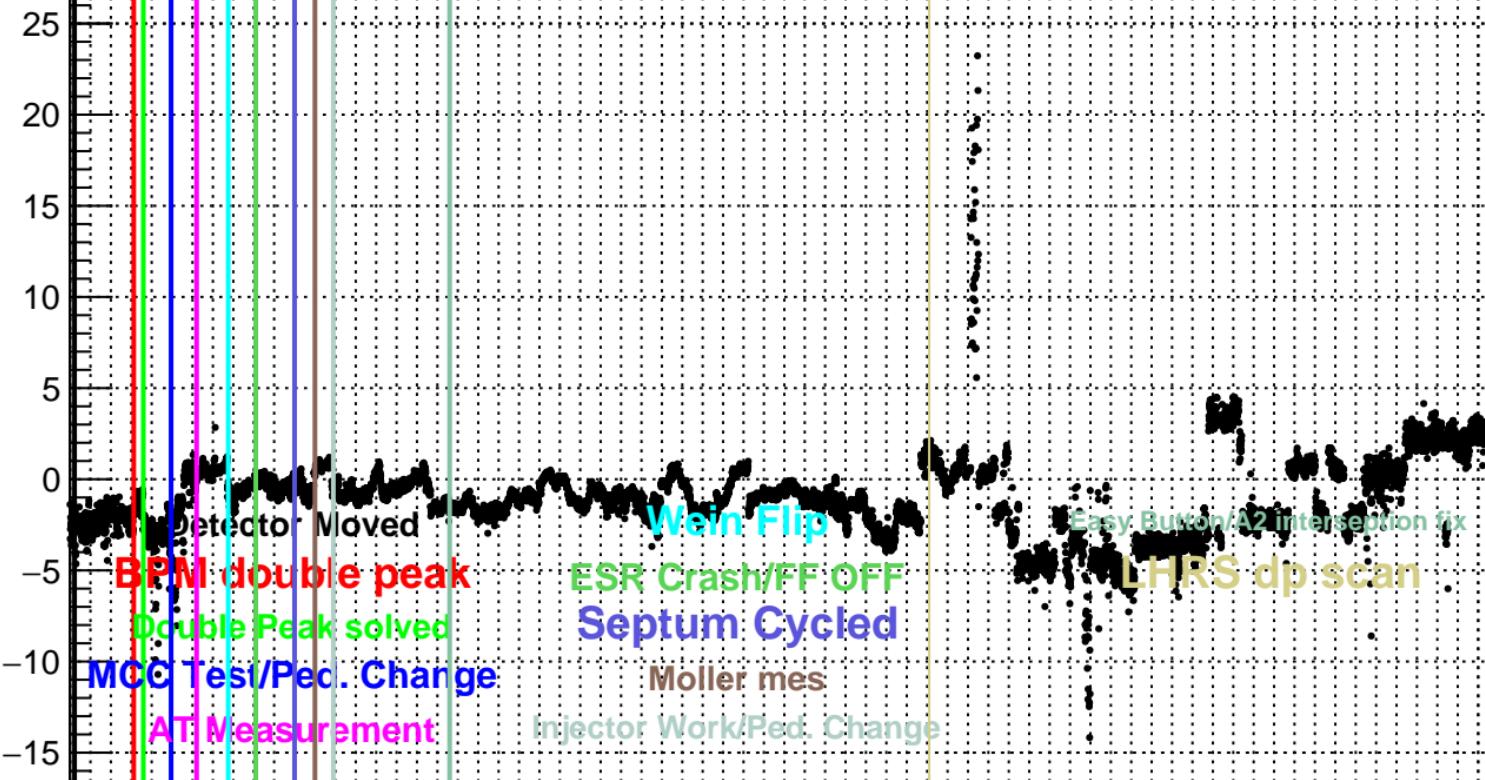
# reg\_asym\_sam3\_diff\_bpm12X\_slope

slope(ppm/um)



# reg\_asym.sam4\_diff.bpm12X\_slope

slope(ppm/um)



# reg\_asym.sam5\_diff.bpm12X\_slope

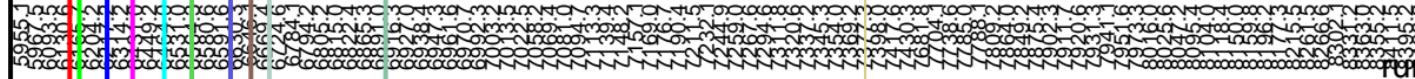
slope(ppm/um)

20  
15  
10  
5  
0

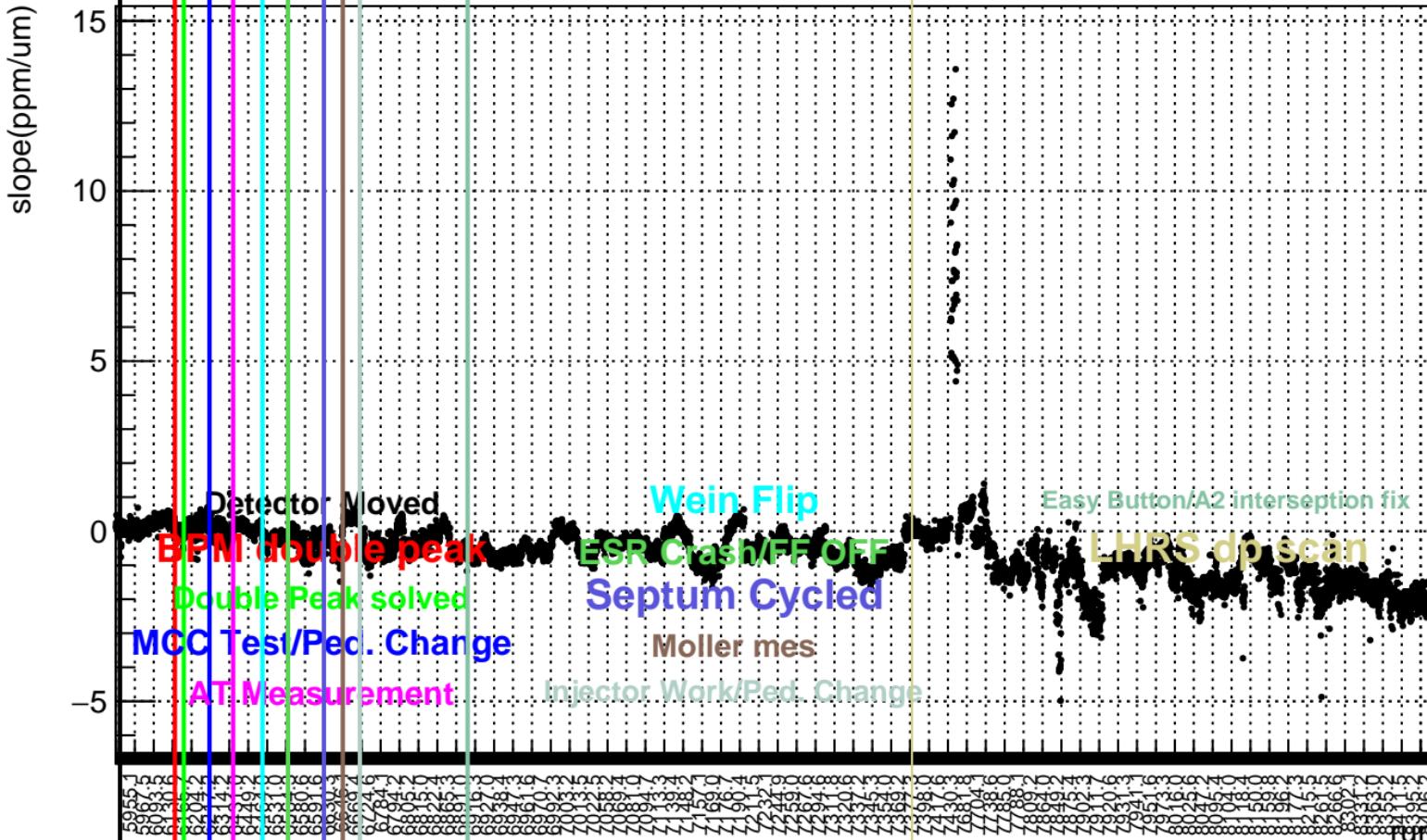
Detector Moved  
**BPM double peak**  
Double Peak solved  
MCC Test/Ped. Change  
AT Measurement

Wein Flip  
ESR Crash/FF OFF  
Septum Cycled  
Moller mes  
Injector Work/Ped. Change

Easy Button/A2 interseption fix  
**LHRS dp scan**

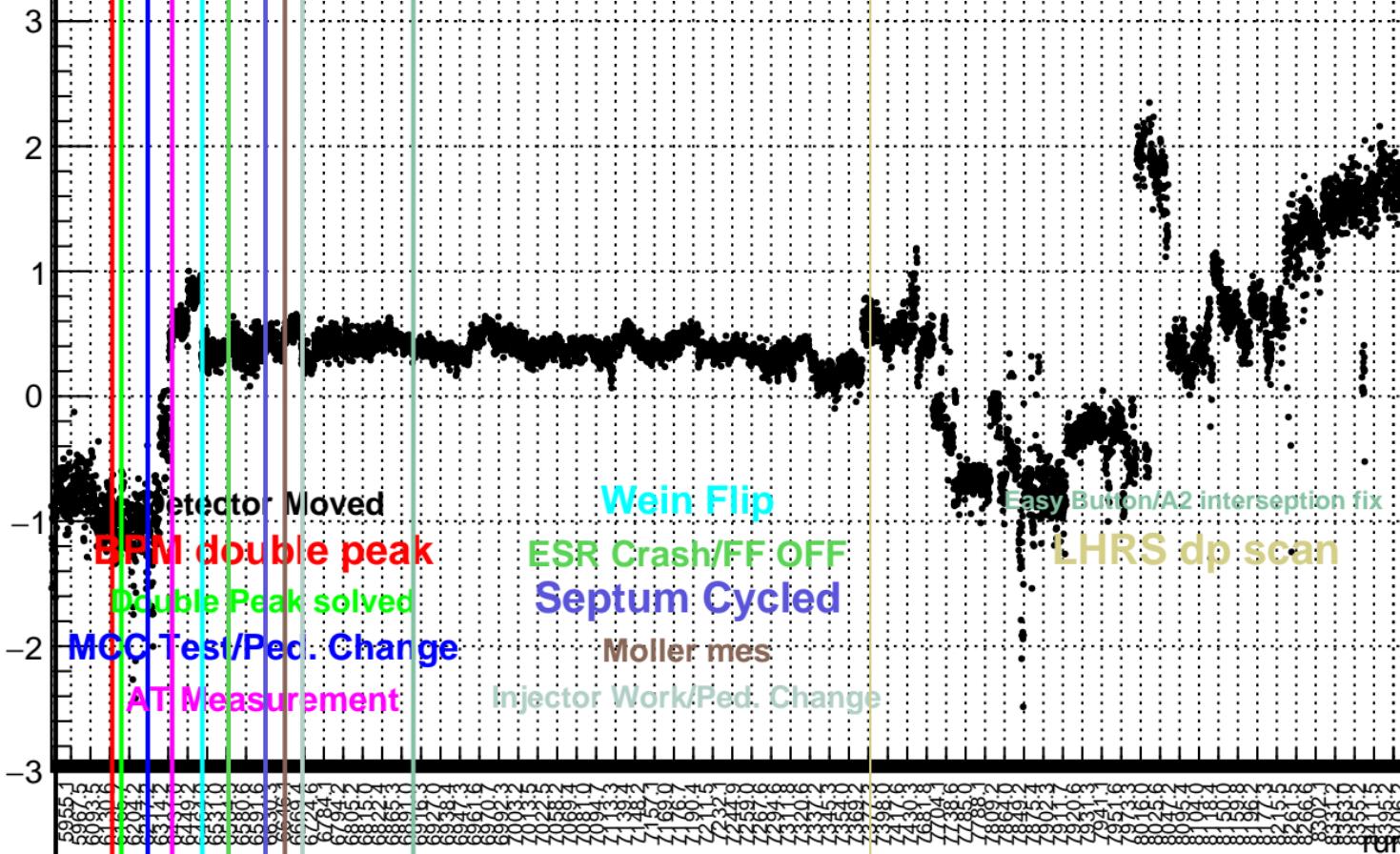


# reg\_asym.sam6\_diff.bpm12X\_slope



# reg\_asym.sam7\_diff\_bpm12X\_slope

slope(ppm/um)



# reg\_asym.sam8\_diff.bpm12X\_slope

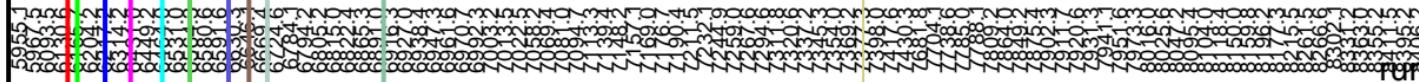
slope(ppm/um)

5  
4  
3  
2  
1  
0  
-1  
-2  
-3

BPM1 double peak  
Double Peak solved  
MCC Test/Pec. Change  
AT Measurement

Wein Flip  
ESR Crash/FF OFF  
Septum Cycled  
Moller mes  
Injector Work/Pec. Change

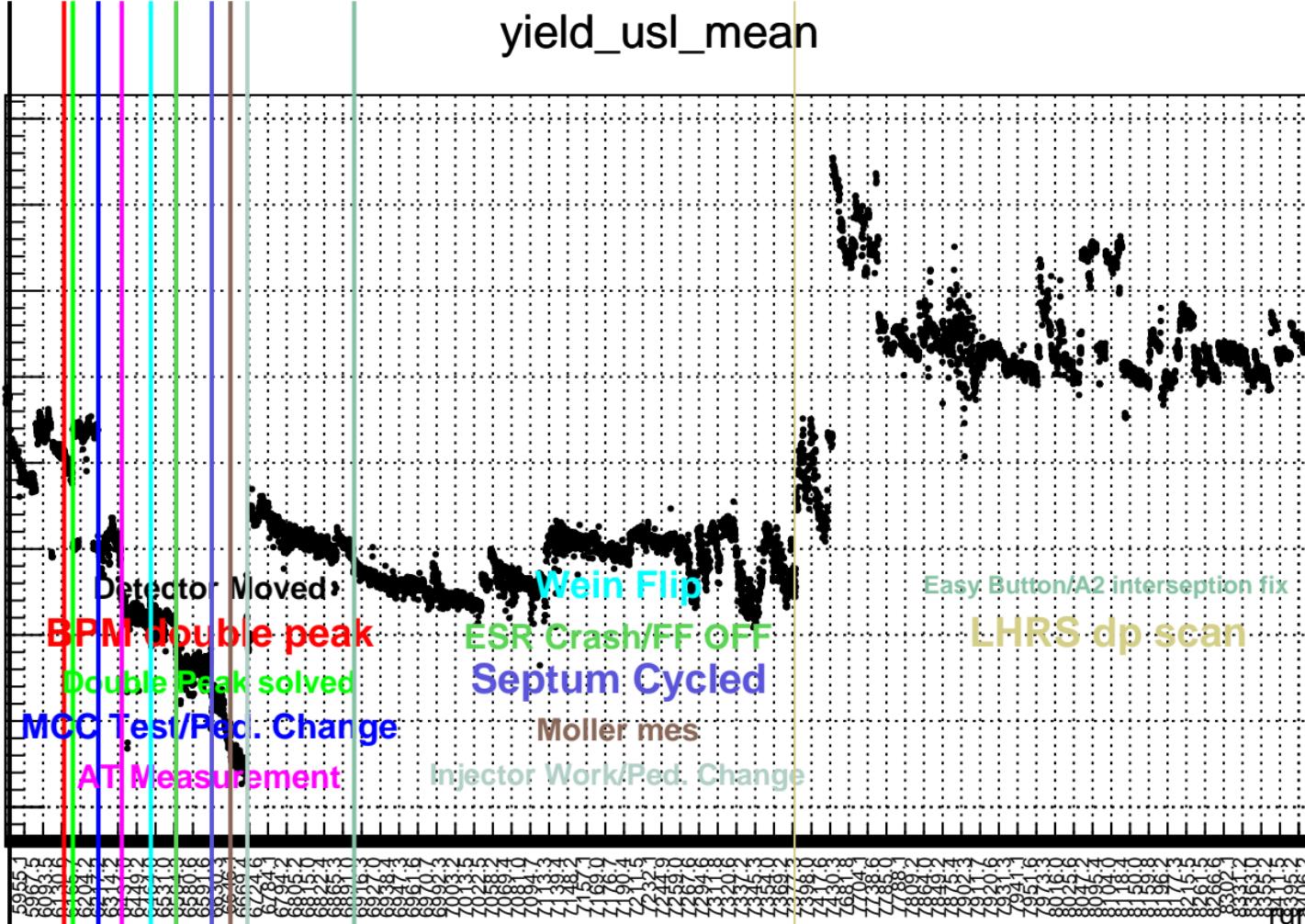
Easy Button/A2 Interception fix  
LHRS dp scan



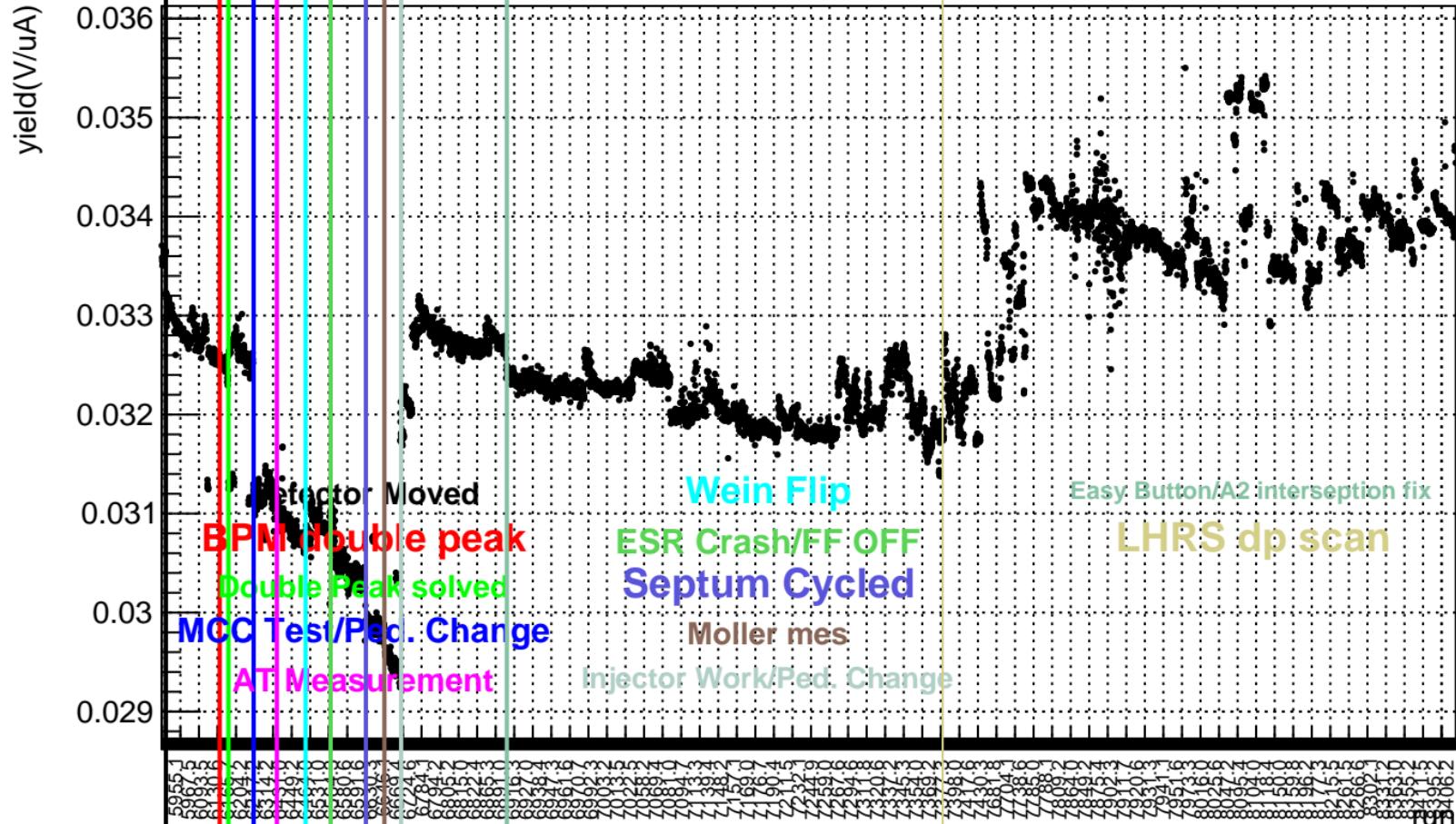
# yield\_usl\_mean

yield(V/uA)

0.036  
0.035  
0.034  
0.033  
0.032  
0.031  
0.030  
0.029  
0.028



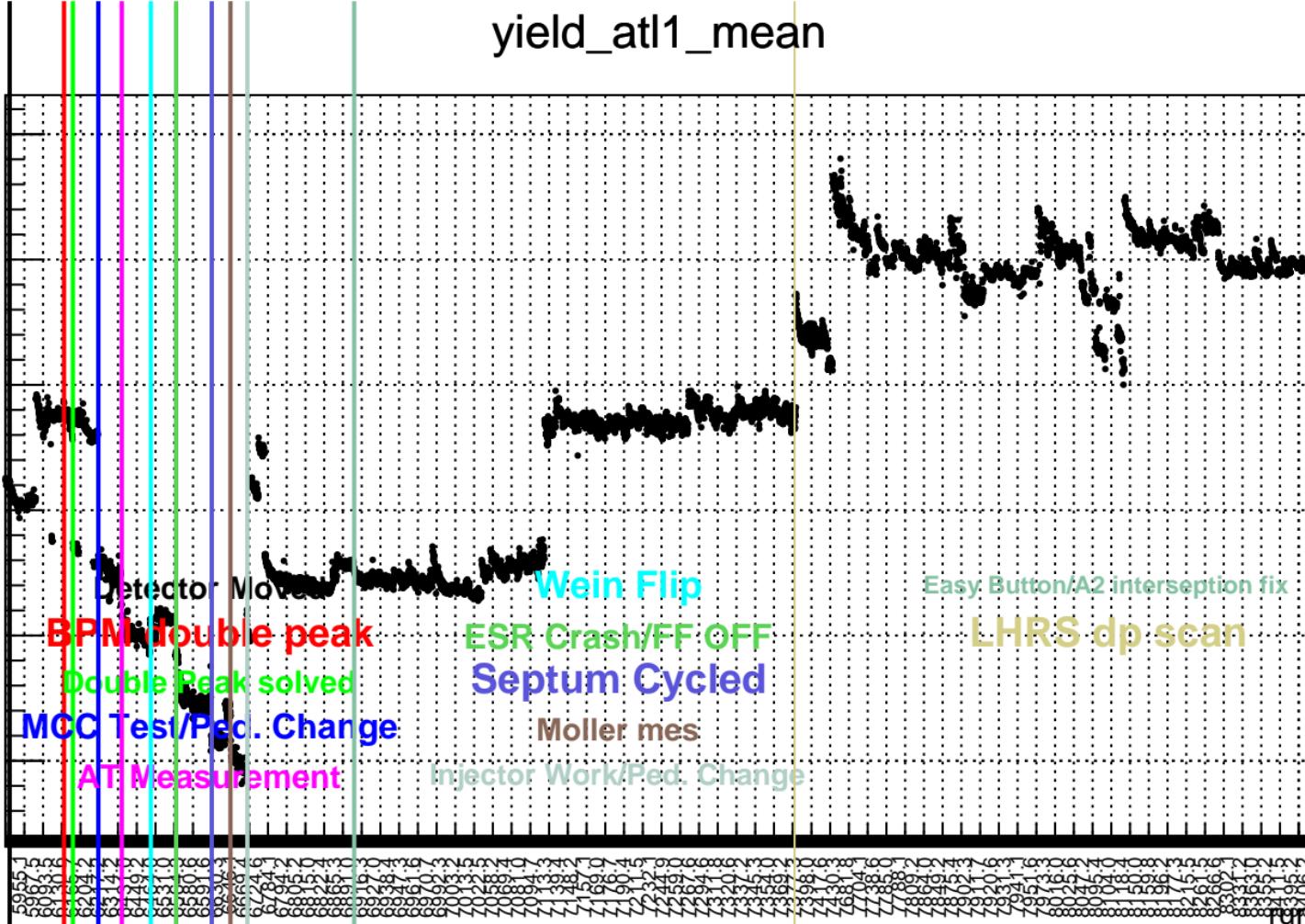
# yield\_usr\_mean



# yield\_atl1\_mean

yield(V/uA)

0.028  
0.027  
0.026  
0.025  
0.024  
0.023



# yield\_atl2\_mean

yield(V/uA)

0.05

0.04

0.03

0.02

0.01

Detector Moved

BPM double peak

Double Peak solved

MCC Test/Pec. Change

AT Measurement

Wein Flip

ESR Crash/FF OFF

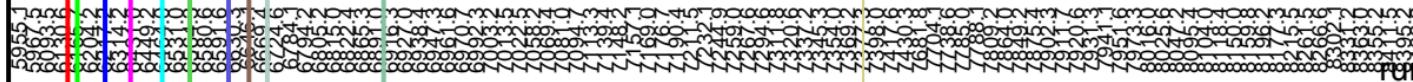
Septum Cycled

Moller mes

Injector Work/Ped. Change

Easy Button/A2 interseption fix

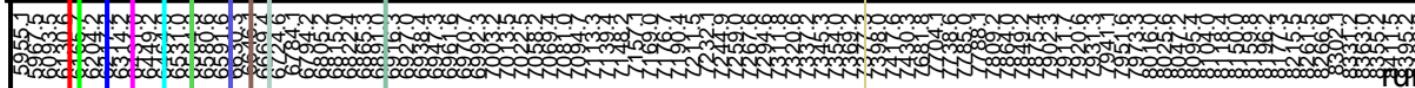
LHRS dp scan



# yield\_atr1\_mean

yield(V/uA)

0.044  
0.043  
0.042  
0.041  
0.040  
0.039  
0.038  
0.037  
0.036



Detector Moved  
BPM double peak  
Double Peak solved  
MCC Test/Pec. Change  
AT Measurement

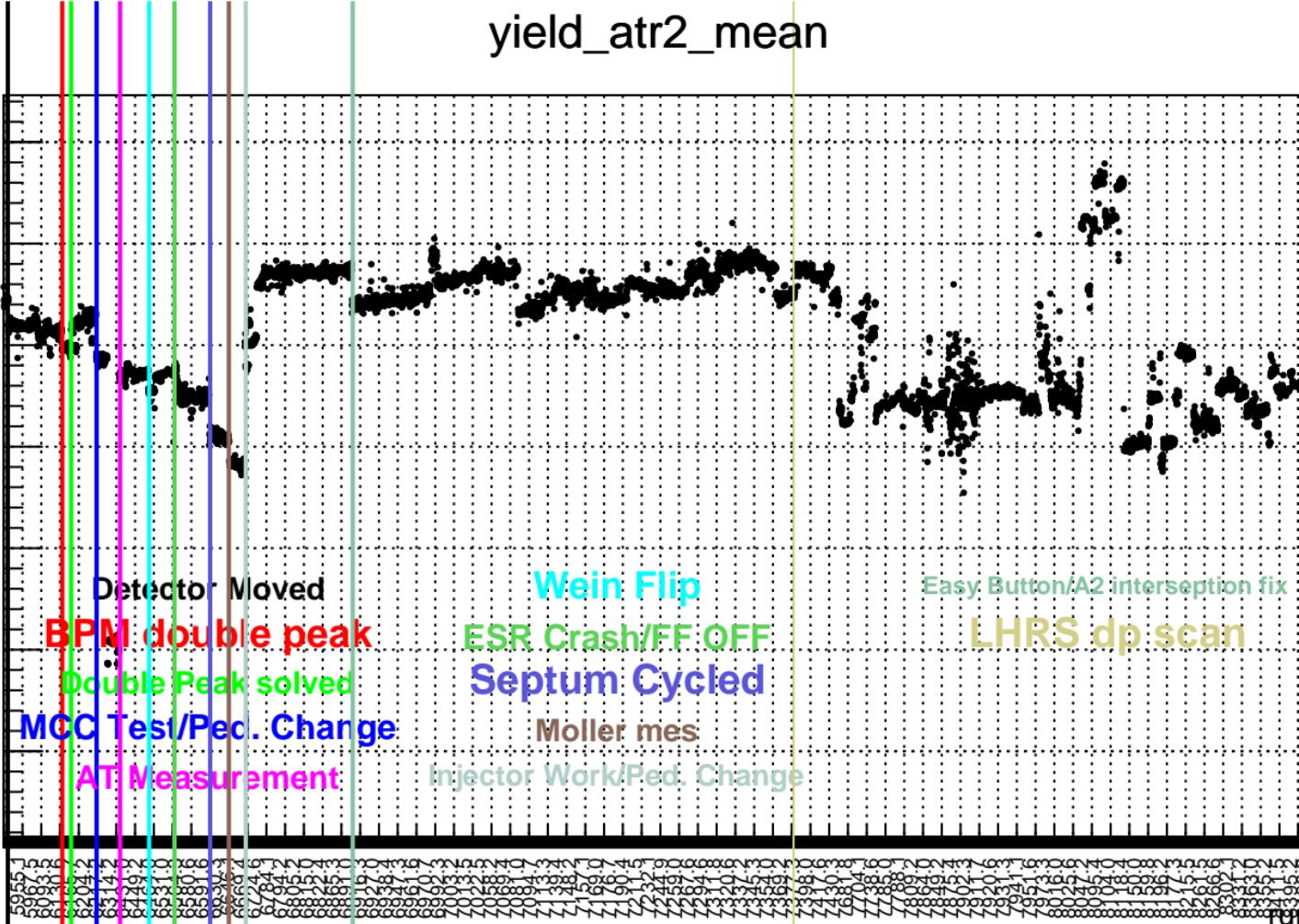
Wein Flip  
ESR Crash/FF OFF  
Septum Cycled  
Moller mes  
Injector Work/Ped. Change

Easy Button/A2 interseption fix  
LHRS dp scan

# yield\_atr2\_mean

yield(V/uA)

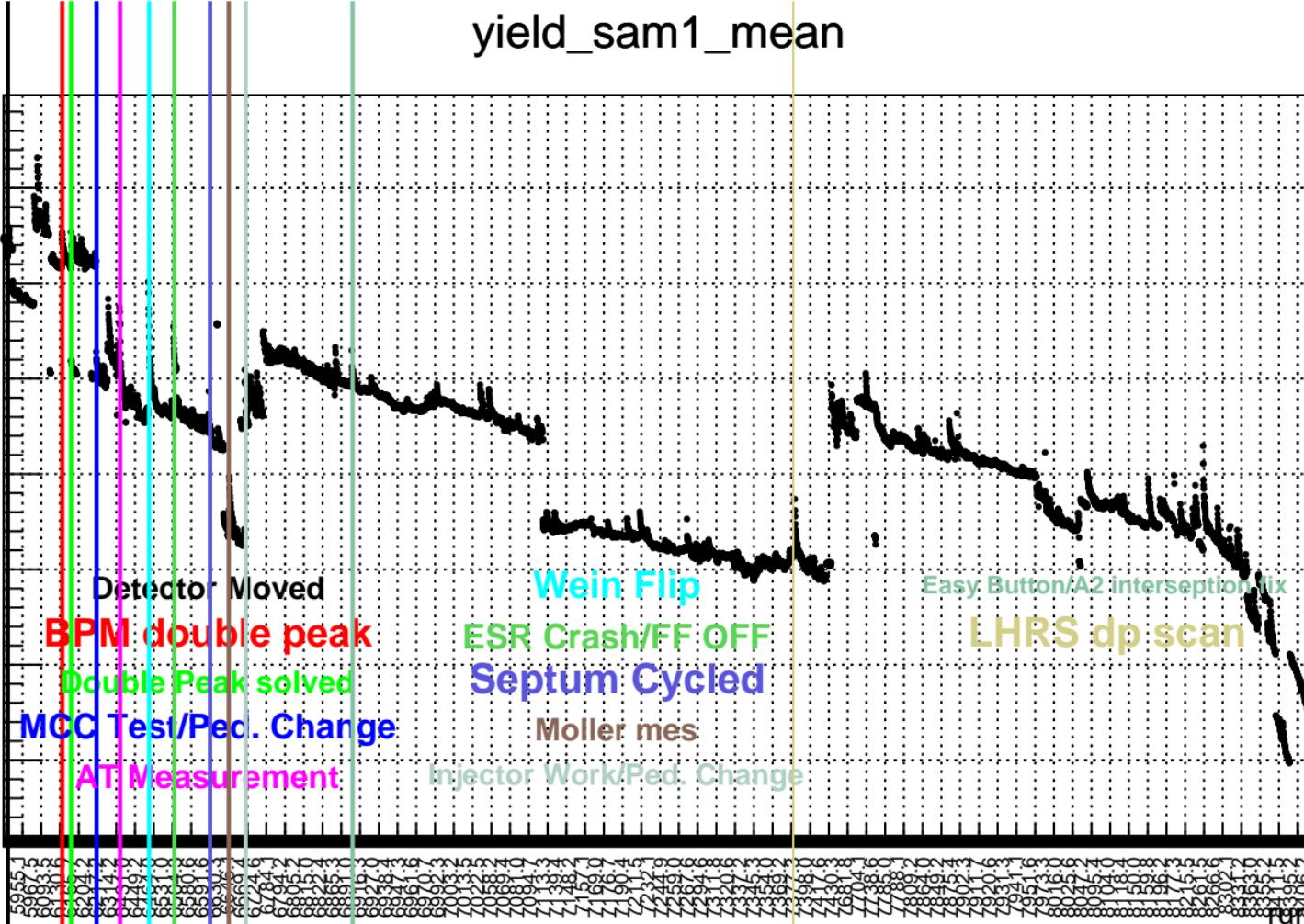
0.035  
0.030  
0.025  
0.020  
0.015  
0.010  
0.005



# yield\_sam1\_mean

yield(V/uA)

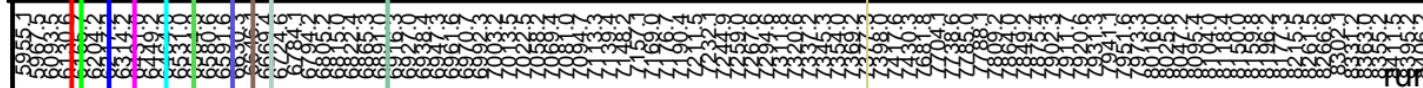
0.0165  
0.016  
0.0155  
0.015  
0.0145  
0.014  
0.0135



# yield\_sam2\_mean

yield(V/uA)

0.029  
0.028  
0.027  
0.026  
0.025  
0.024  
0.023  
0.022  
0.021



BPM double peak  
Double Peak solved  
MCC Test/Pec.. Change  
AT Measurement

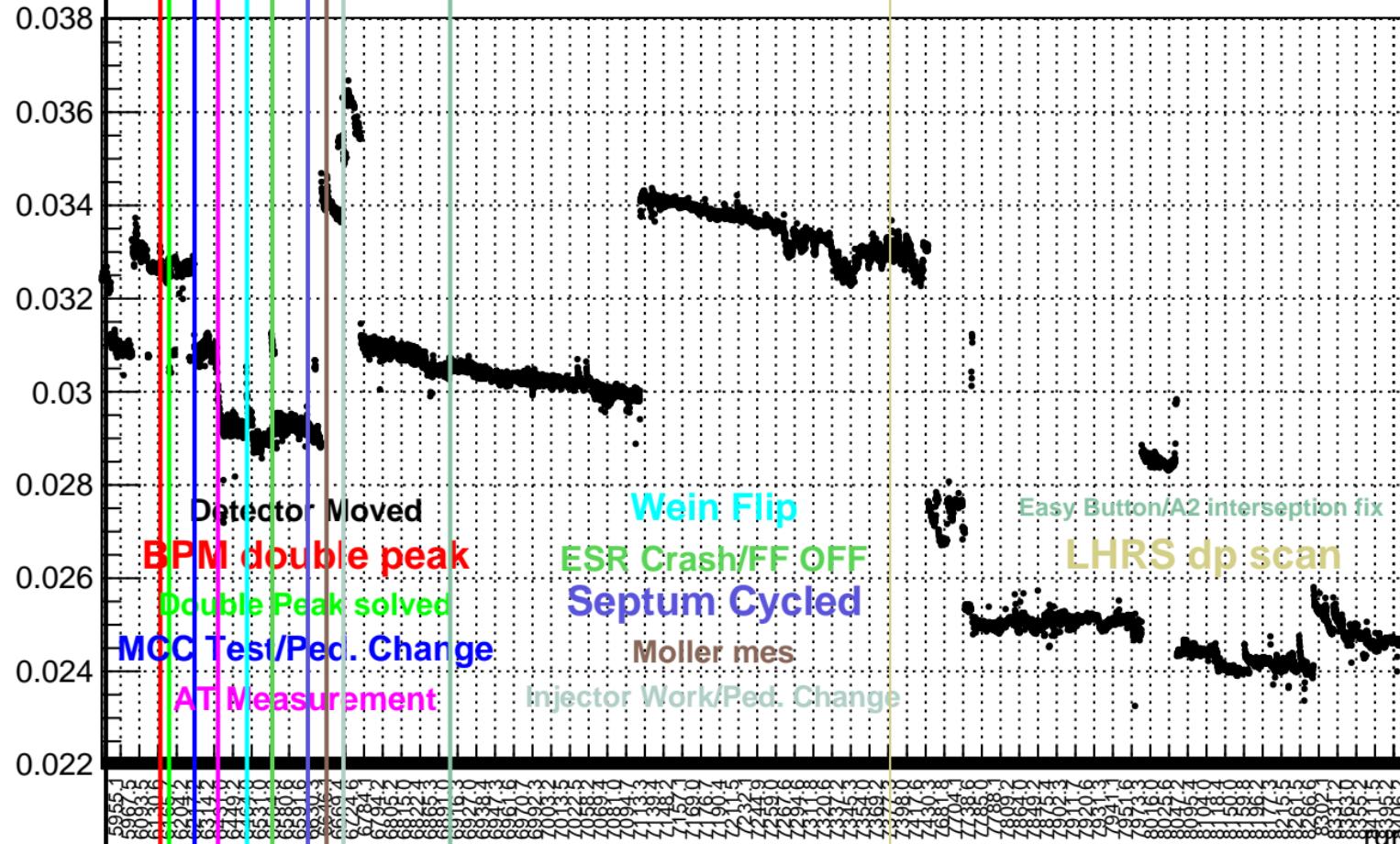
Wein Flip  
ESR Crash/FF OFF  
Septum Cycled  
Moller mes  
Injector Work/Ped. Change

Easy Button/A2 intersection fix

LHRS dp scan

# yield\_sam3\_mean

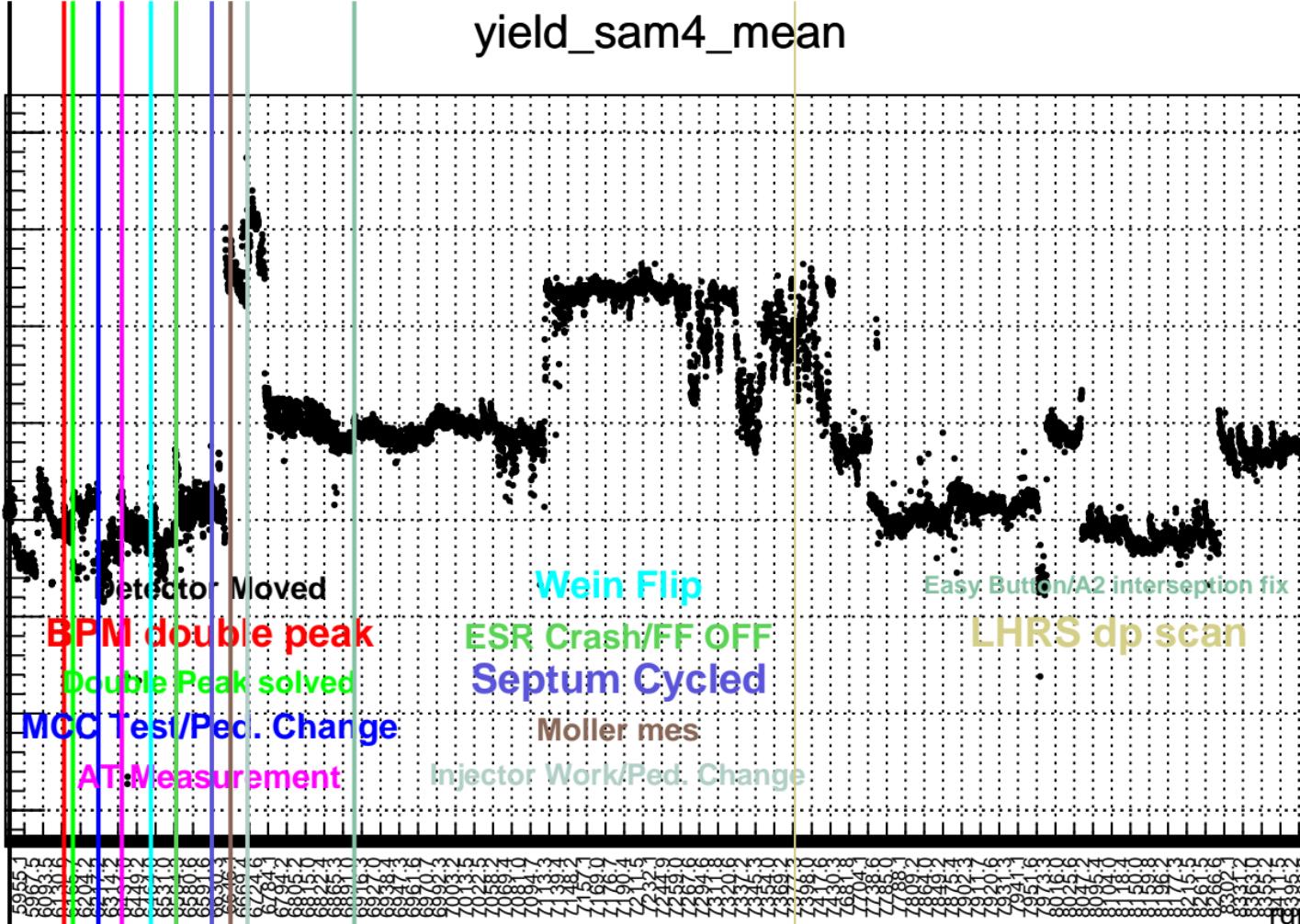
yield(V/uA)



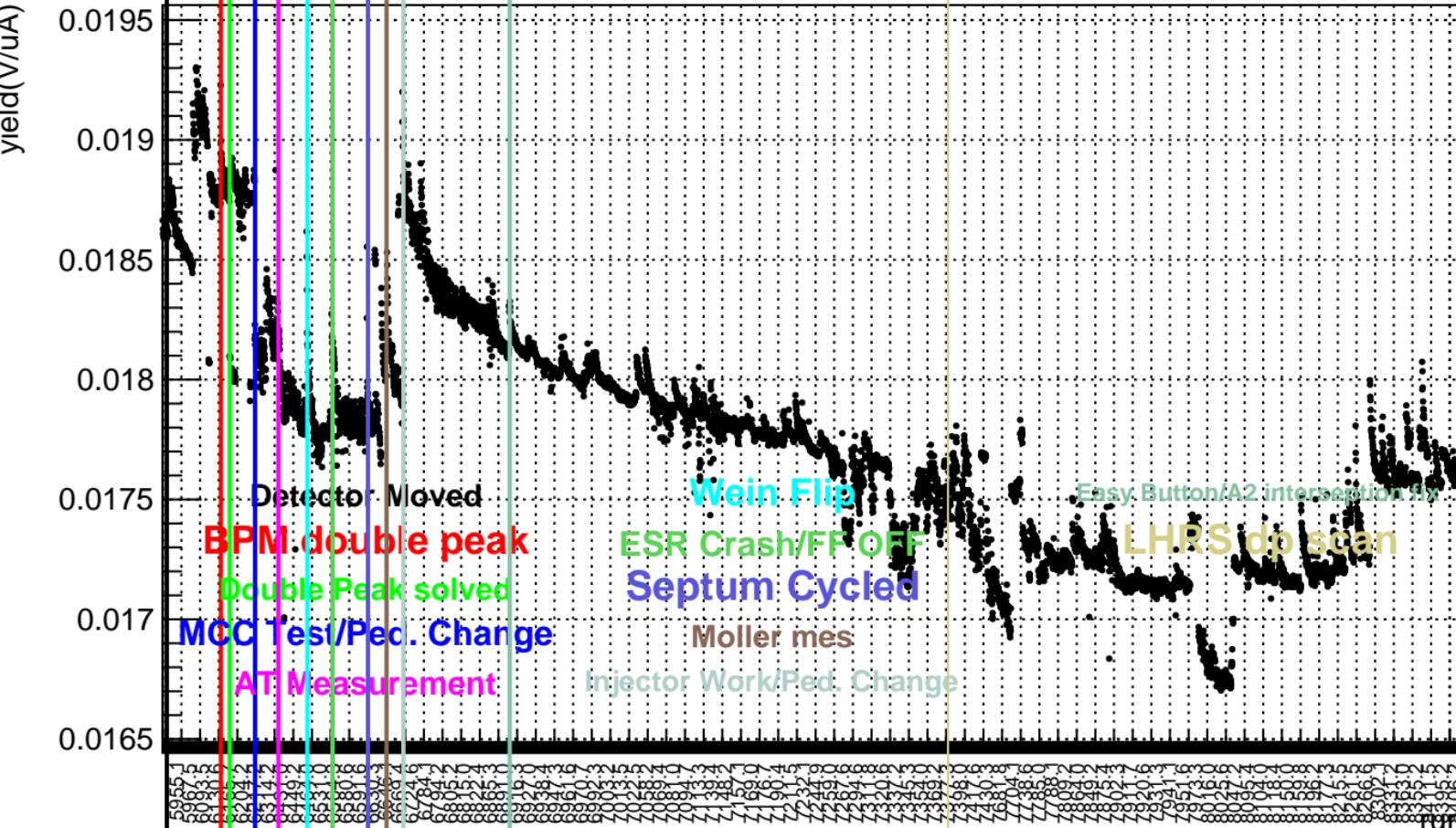
# yield\_sam4\_mean

yield(V/uA)

0.018  
0.017  
0.016  
0.015  
0.014  
0.013  
0.012  
0.011



# yield\_sam5\_mean



# yield\_sam6\_mean

yield(V/uA)

0.0105

0.01

0.0095

0.009

0.0085

Detector Moved

BPM double peak

Double Peak solved

MCC Test/Pec. Change

AT Measurement

Wein Flip

ESR Crash/FF OFF

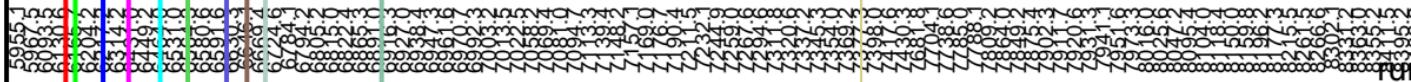
Septum Cycled

Moller mes

Injector Work/Pec. Change

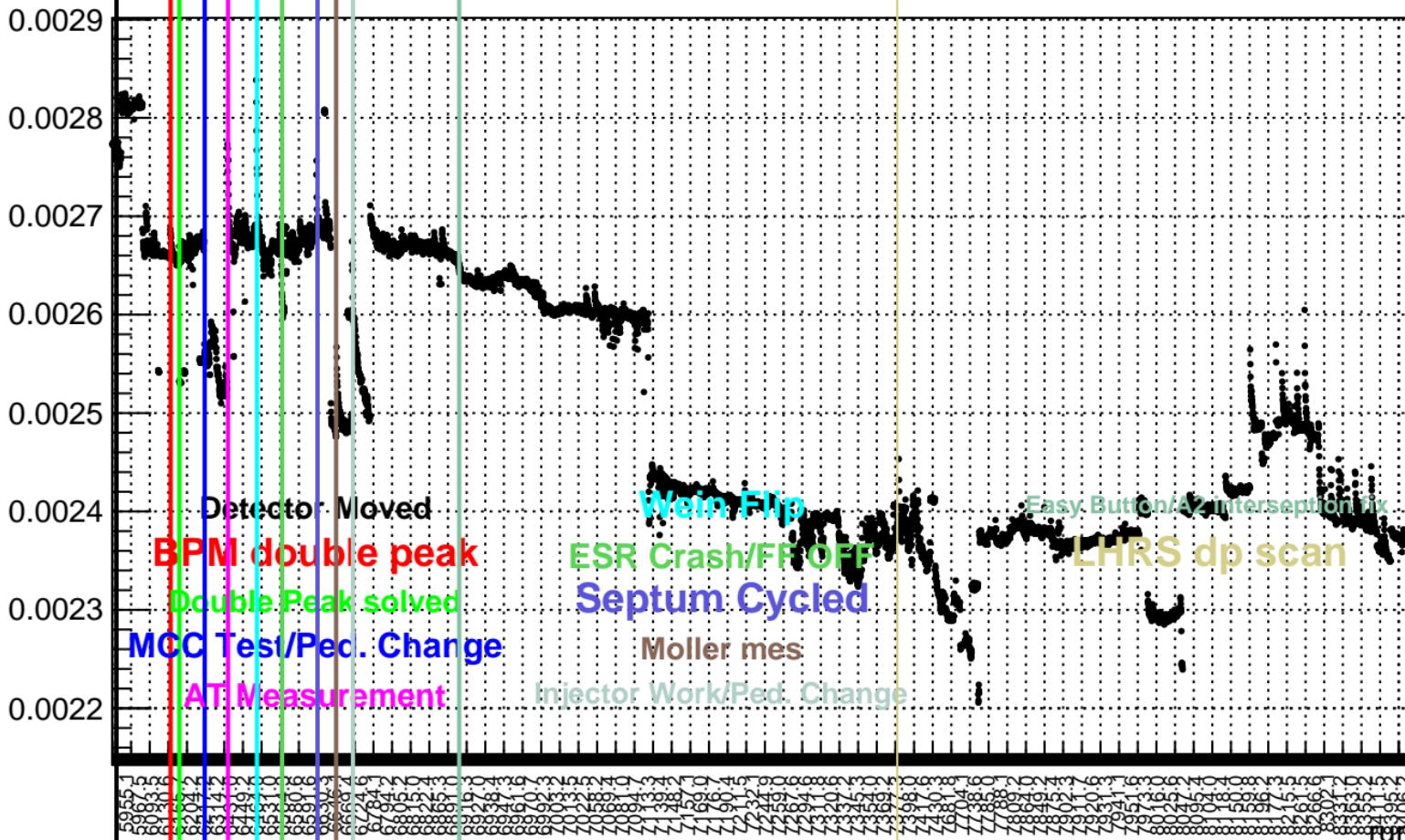
Easy Button/A2 interseption fix

LHRS dp scan



# yield\_sam7\_mean

yield(V/uA)



# yield\_sam8\_mean

yield(V/uA)

0.0102  
0.0100  
0.0098  
0.0096  
0.0094  
0.0092  
0.0090  
0.0088  
0.0086  
0.0084  
0.0082



Detector moved

BPM double peak

Double Peak solved

MCC Test/Pec. Change

ATI Measurement

Wein Flip

ESR Crash/EFF OFF

Septum Cycled

Moller mes

Injector Work/Ped. Change

Easy Button/A2 interception fix

LHRS dp scan

# yield\_bpm12X\_mean

yield(V/uA)

