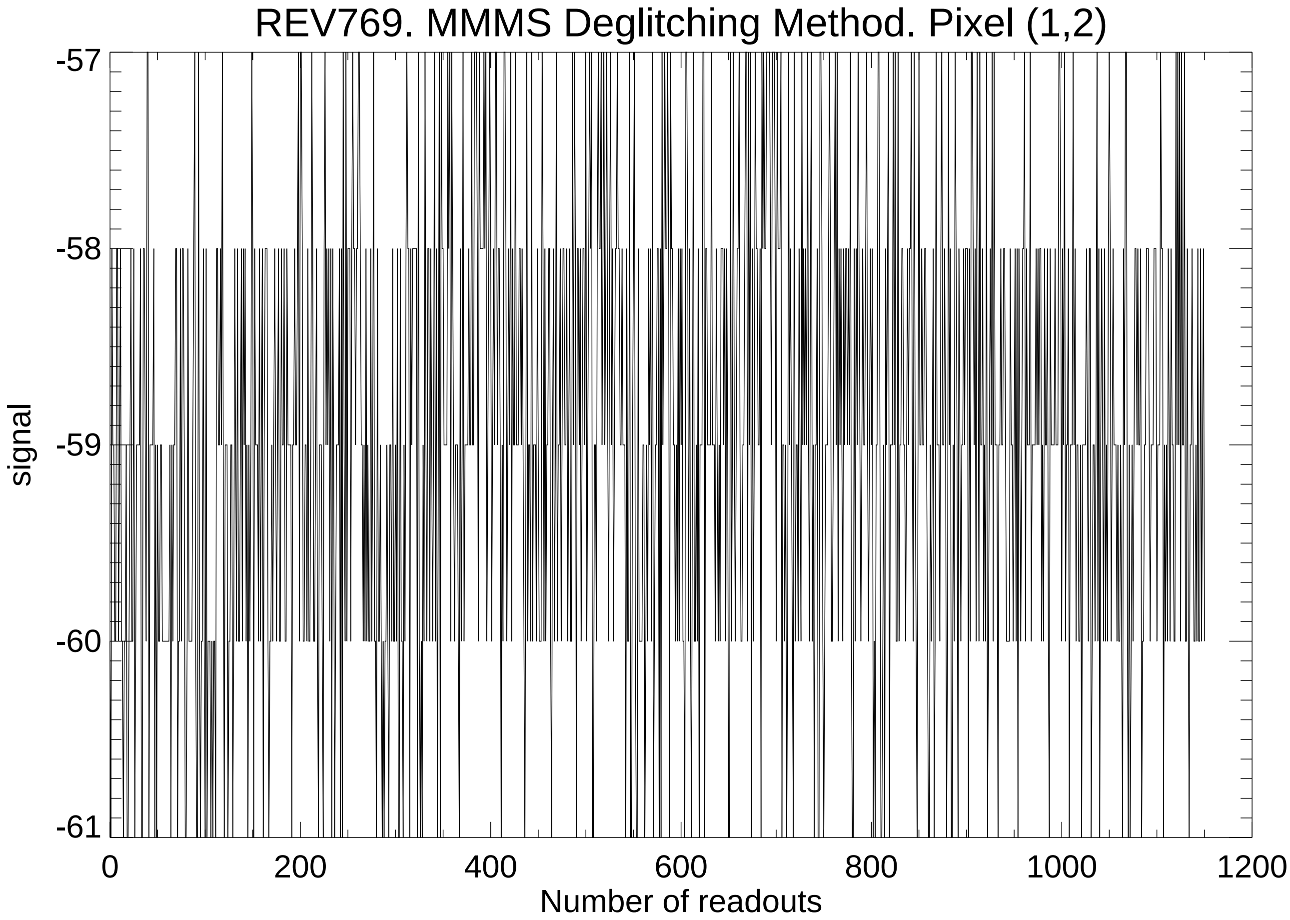
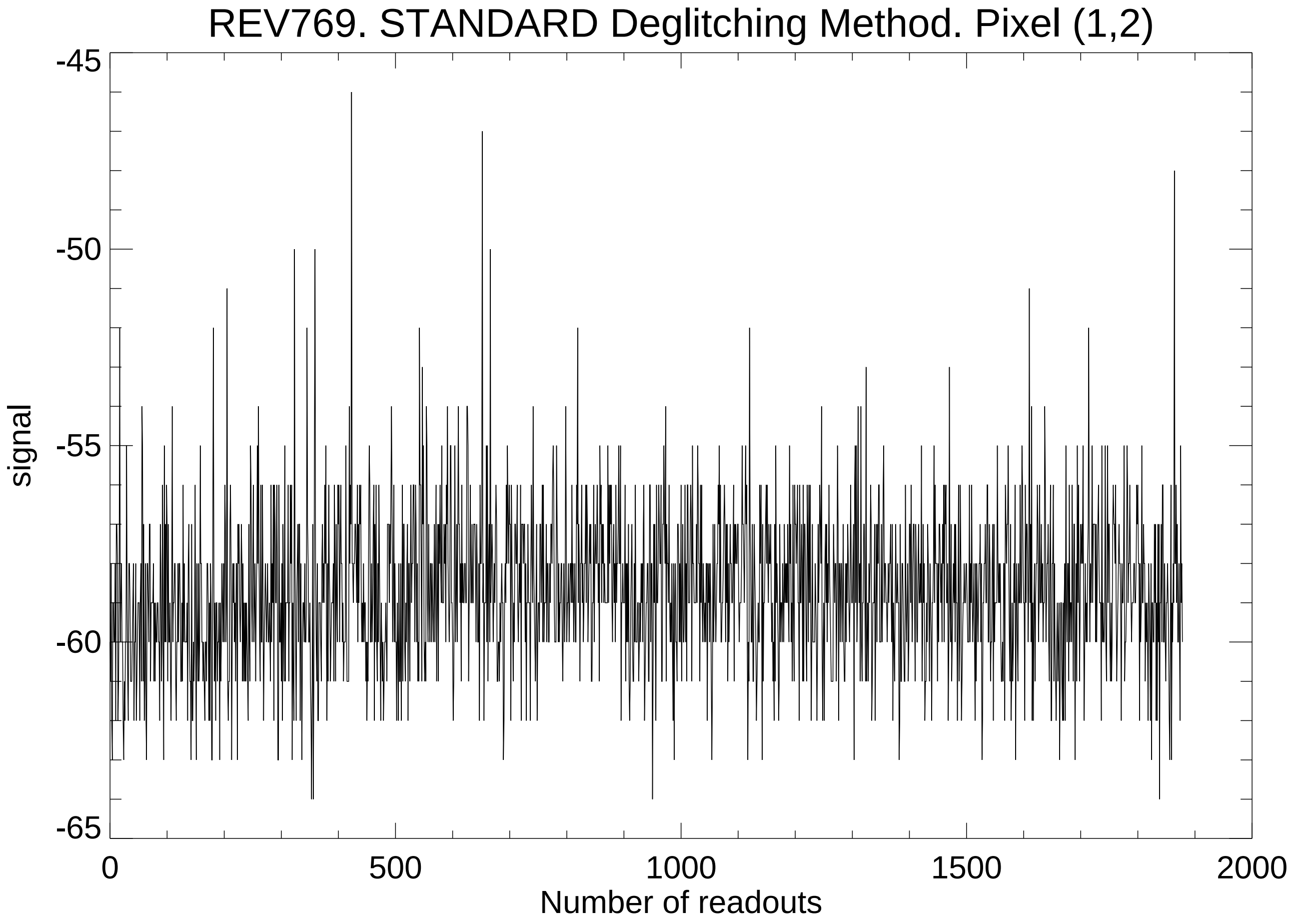
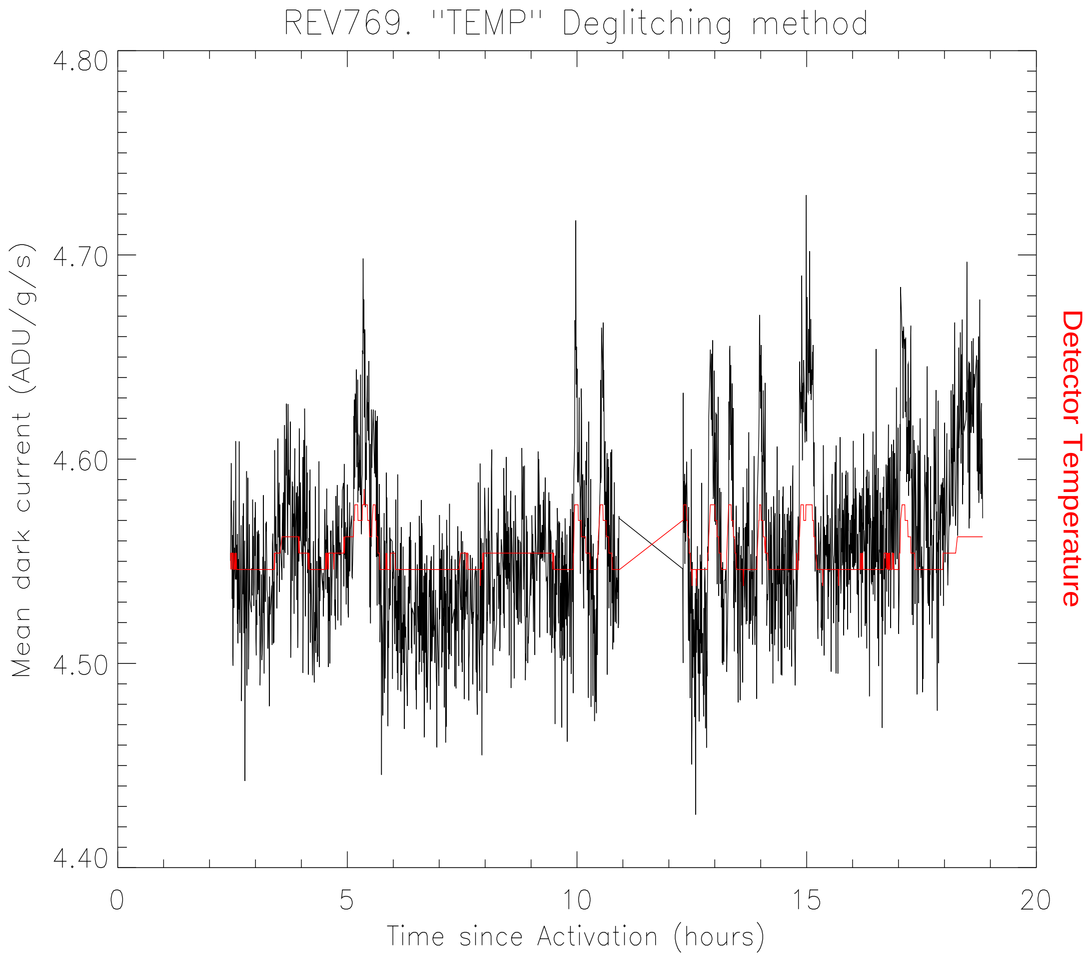
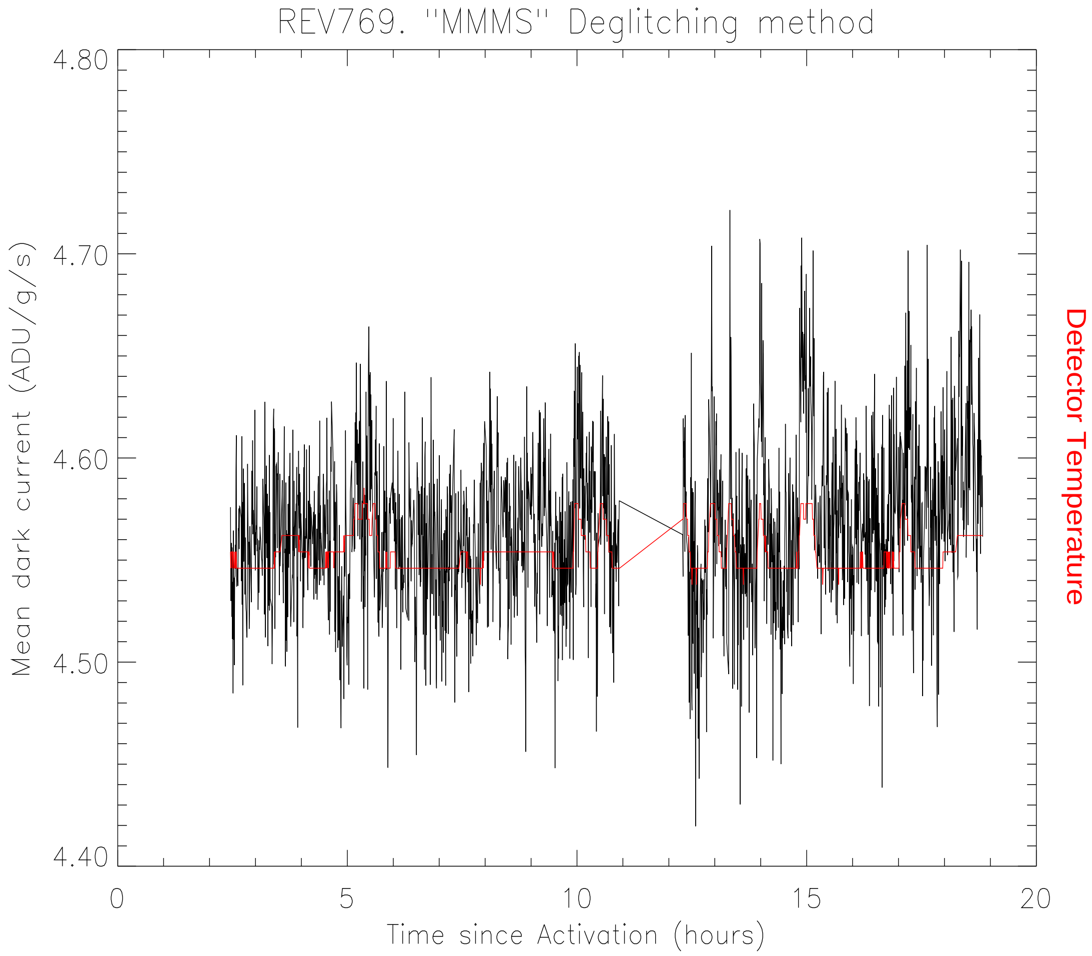
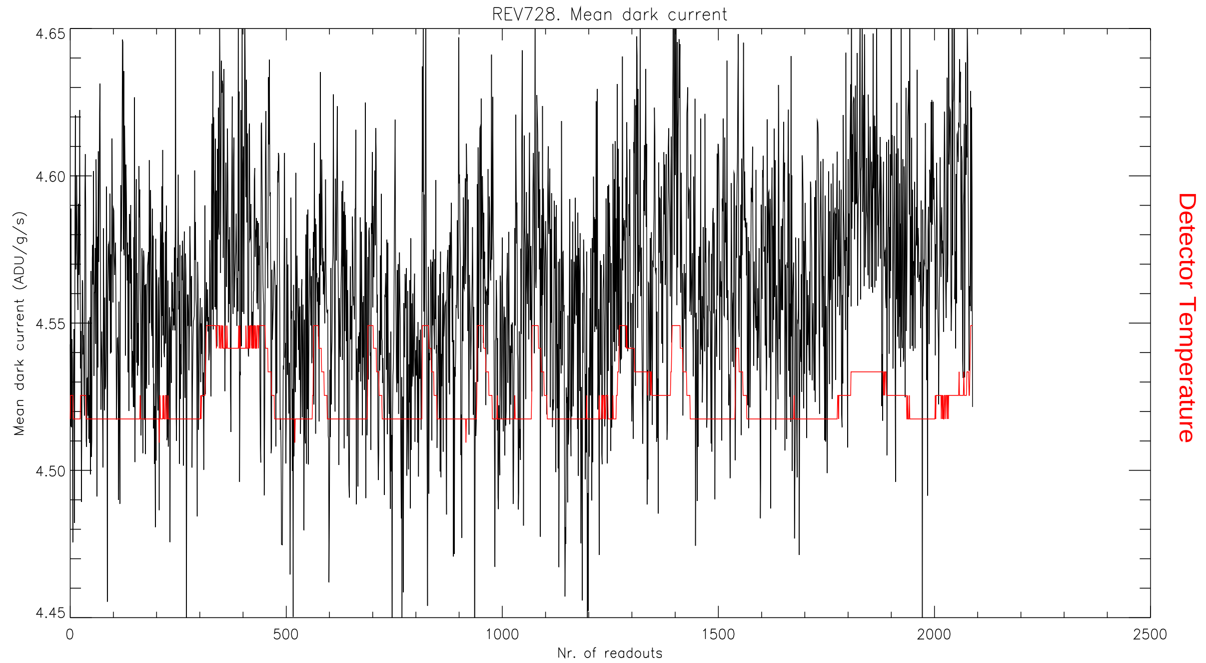
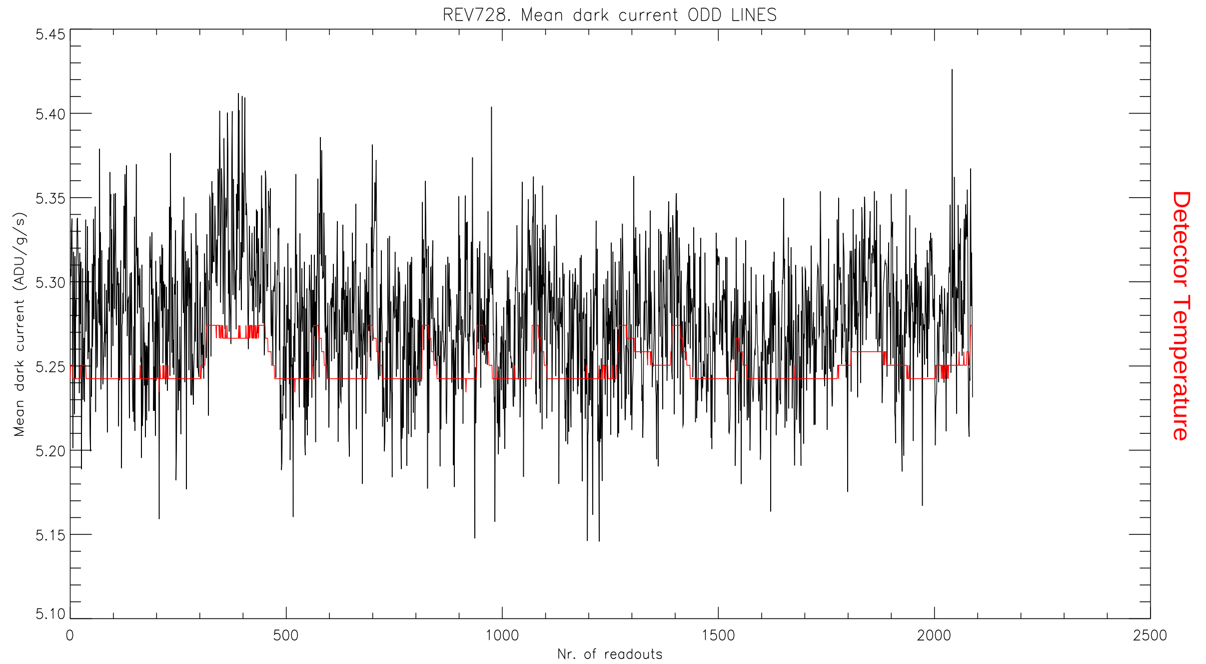

REV769. MMMS Deglitching Method. Pixel (1,2)
-57
-58
-59
-60
-61
signal
0
200
400
600
800
1000
1200
Number of readouts

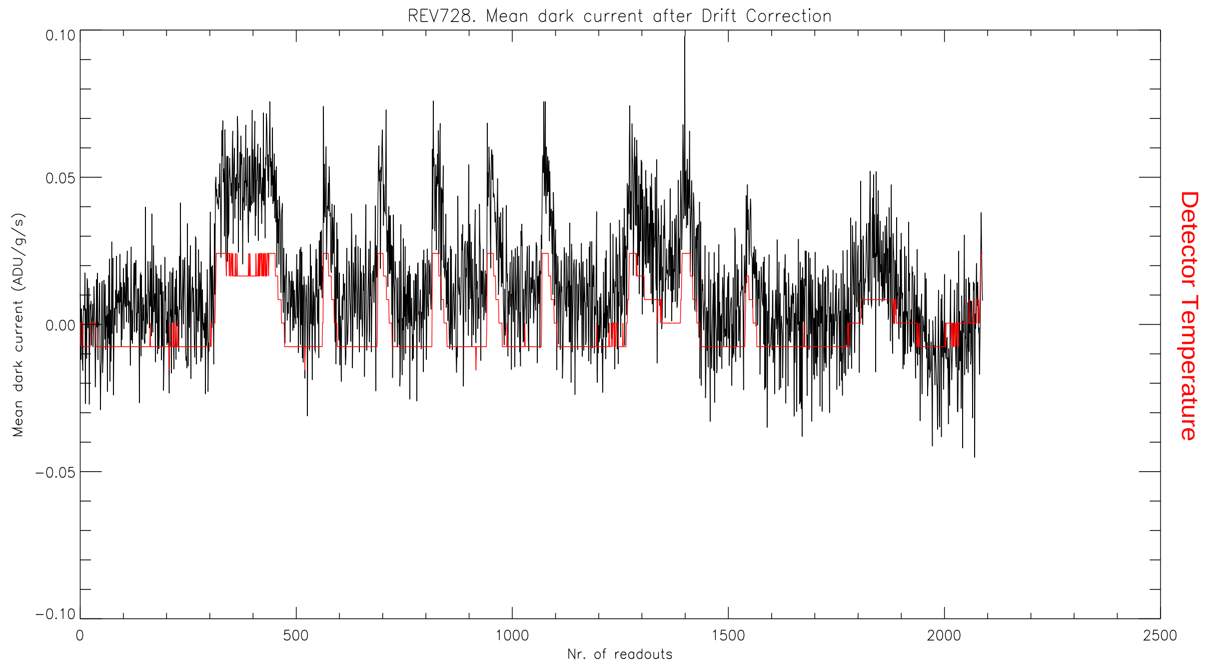

REV769. STANDARD Deglitching Method. Pixel (1,2)
-45
-50
-55
-60
-65
signal
0
500
1000
1500
2000
Number of readouts

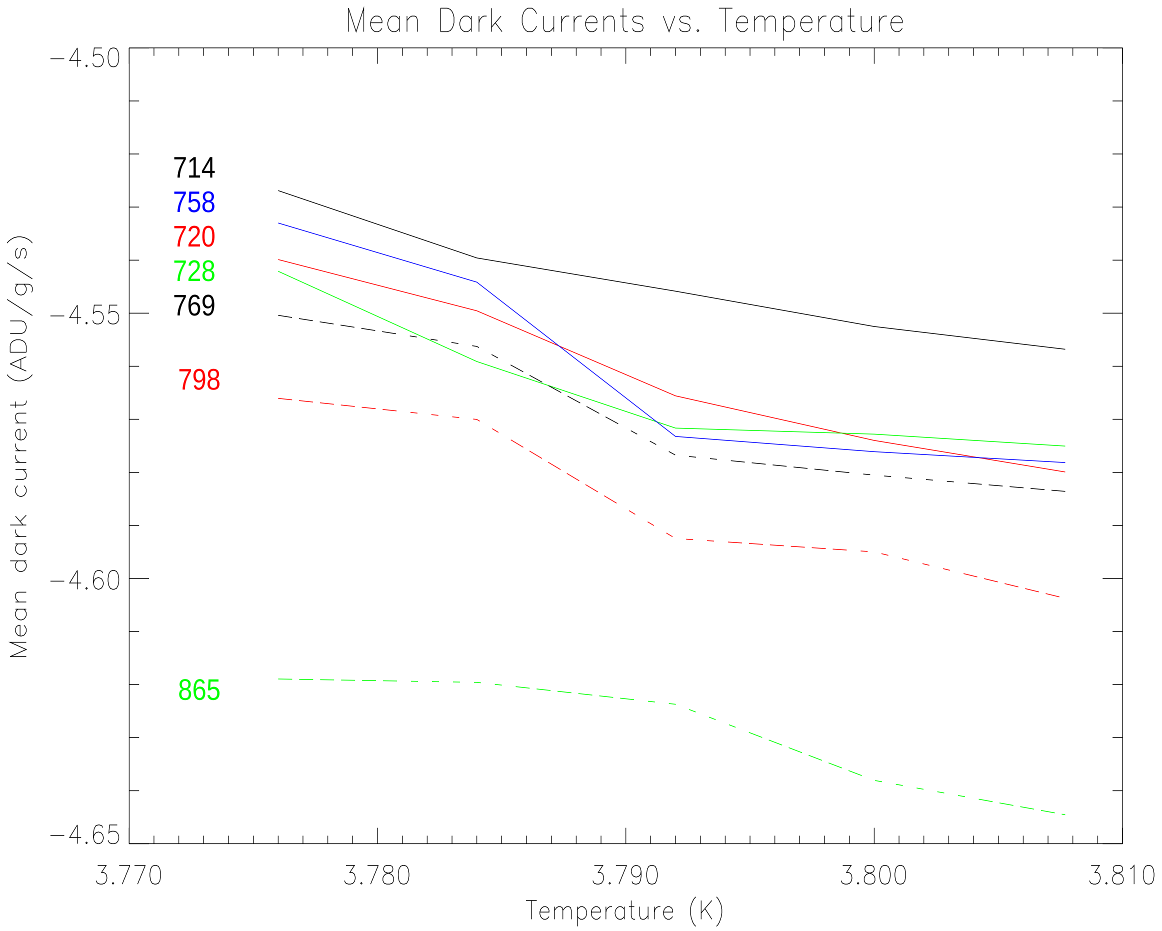

REV769. "TEMP" Deglitching method
4.80
4.70
4.60
4.50
4.40
Mean dark current (ADU/g/s)
0
5
10
15
20
Time since Activation (hours)
Detector Temperature

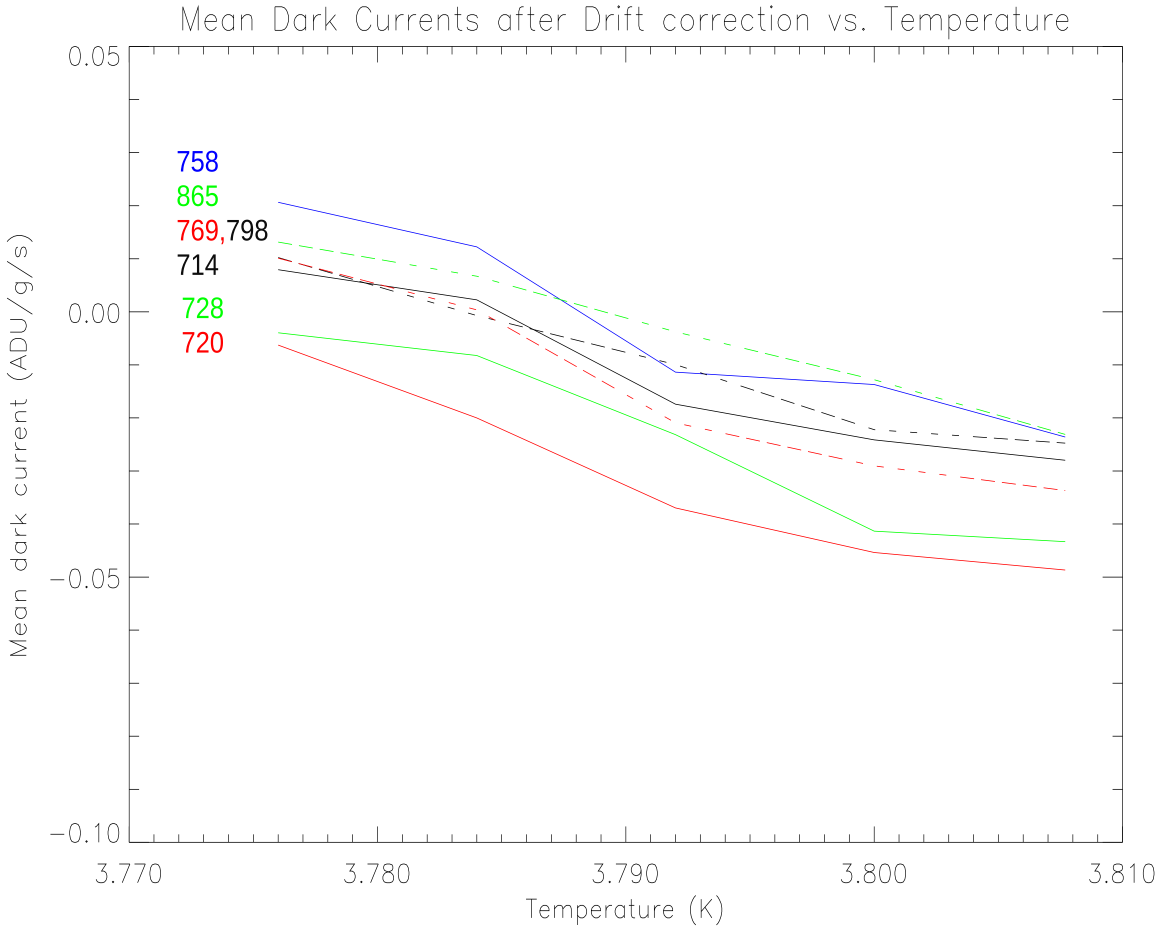

REV769. "MMMS" Deglitching method
4.80
4.70
4.60
4.50
4.40
Mean dark current (ADU/g/s)
0
5
10
15
20
Time since Activation (hours)
Detector Temperature

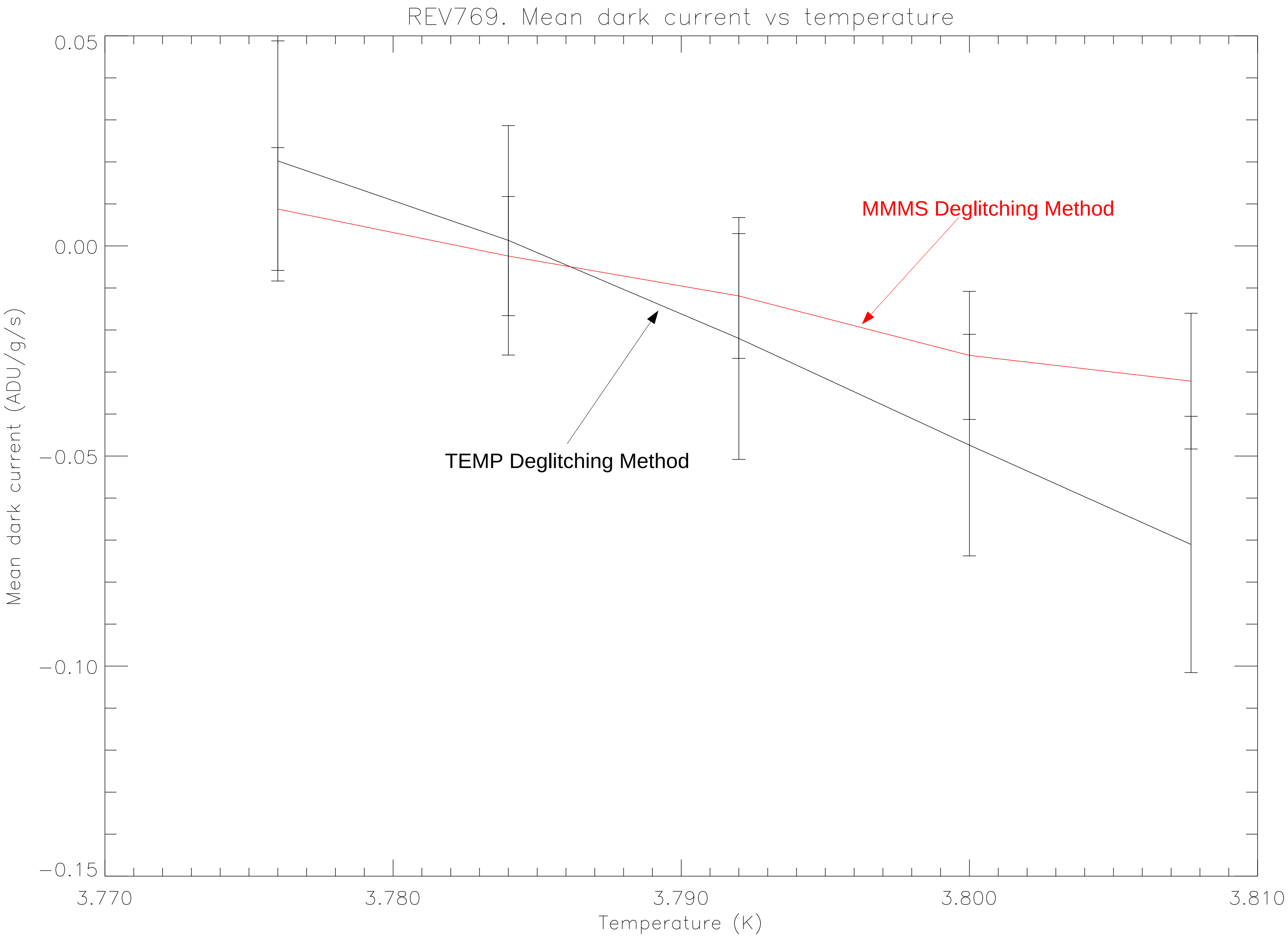

REV728. Mean dark current
Mean dark current (ADU/g/s)
Nr. of readouts
Detector Temperature

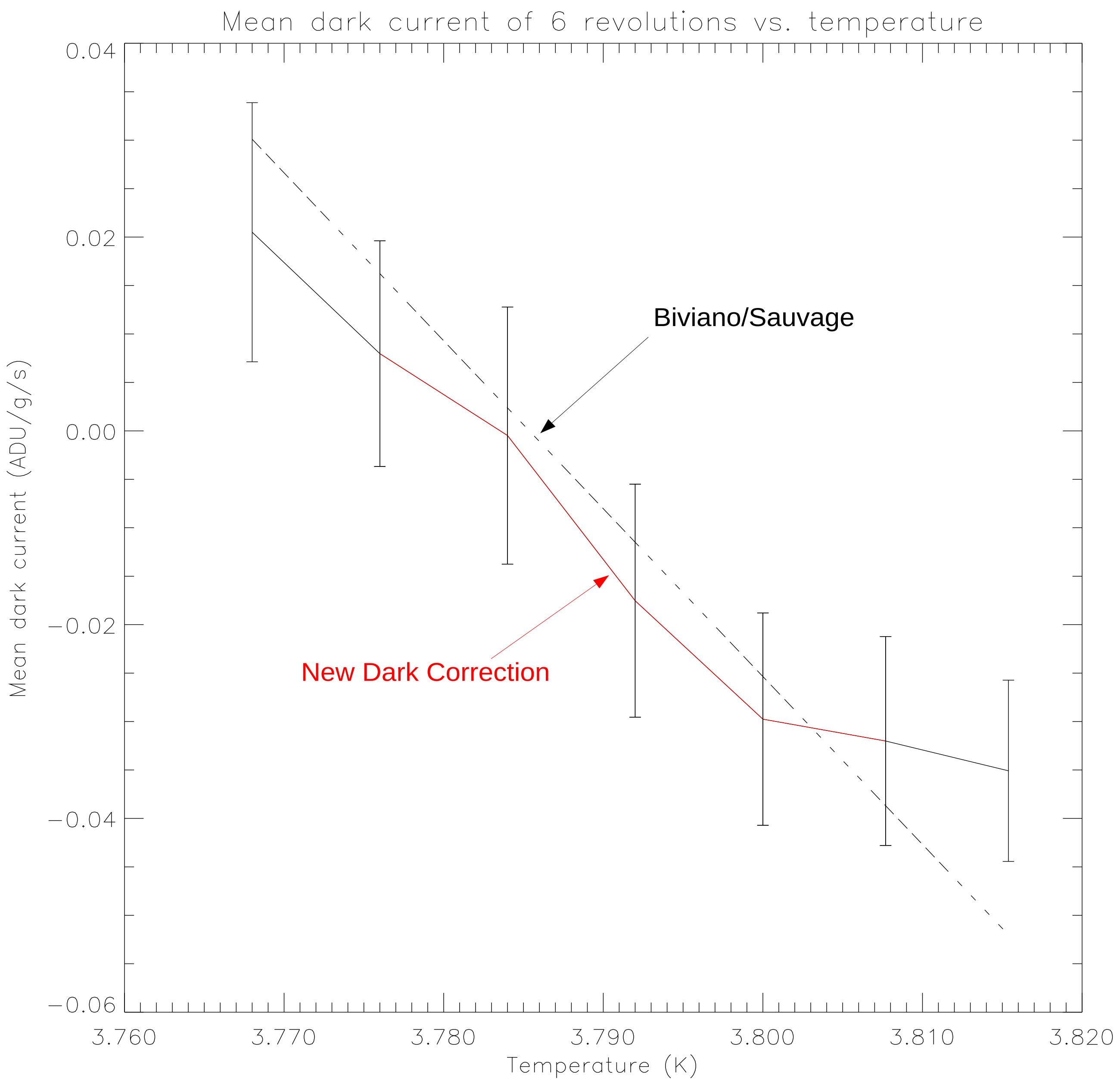

REV728. Mean dark current ODD LINES
Mean dark current (ADU/g/s)
Nr. of readouts
Detector Temperature

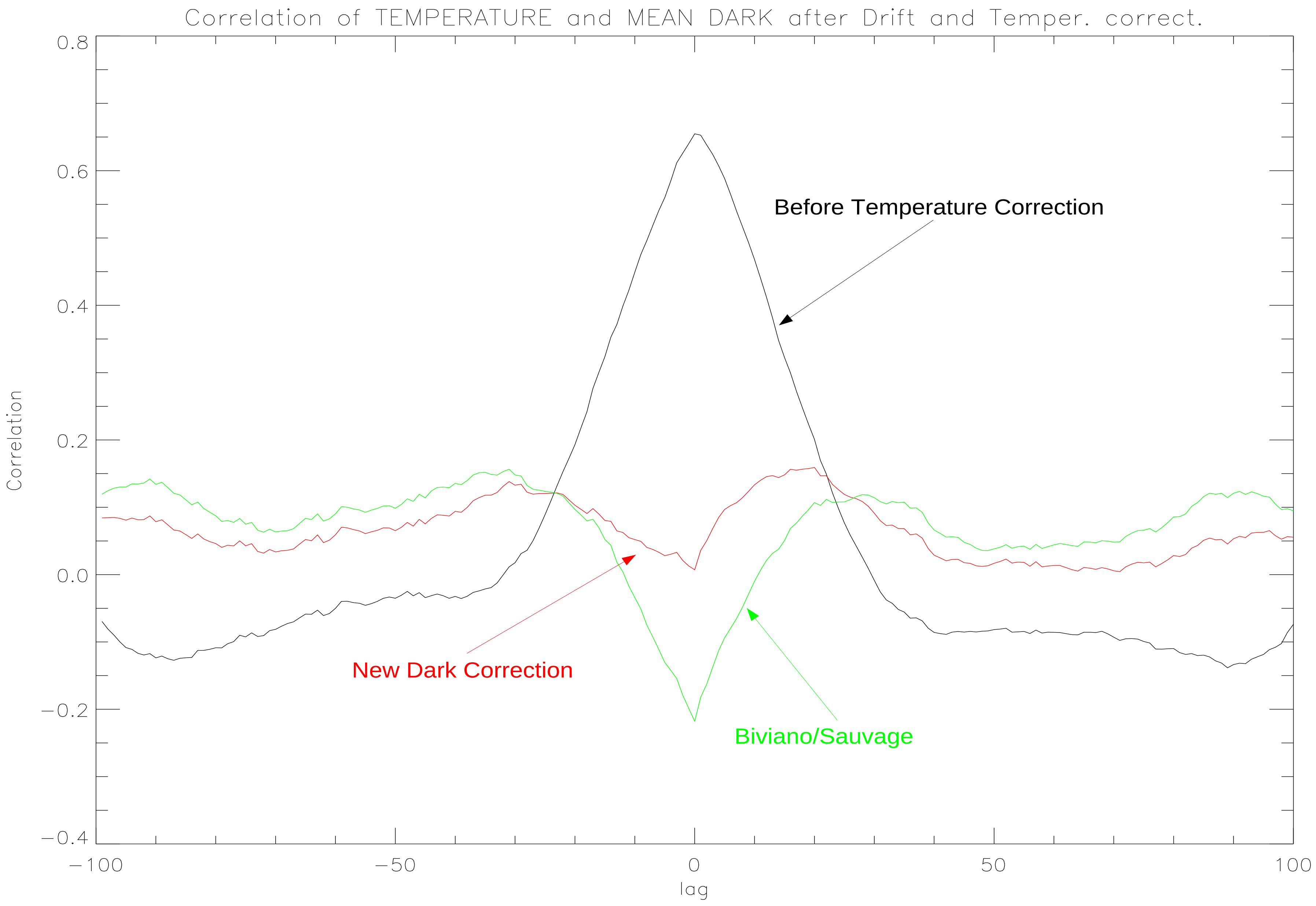

REV728. Mean dark current after Drift Correction
Mean dark current (ADU/g/s)
Nr. of readouts
Detector Temperature

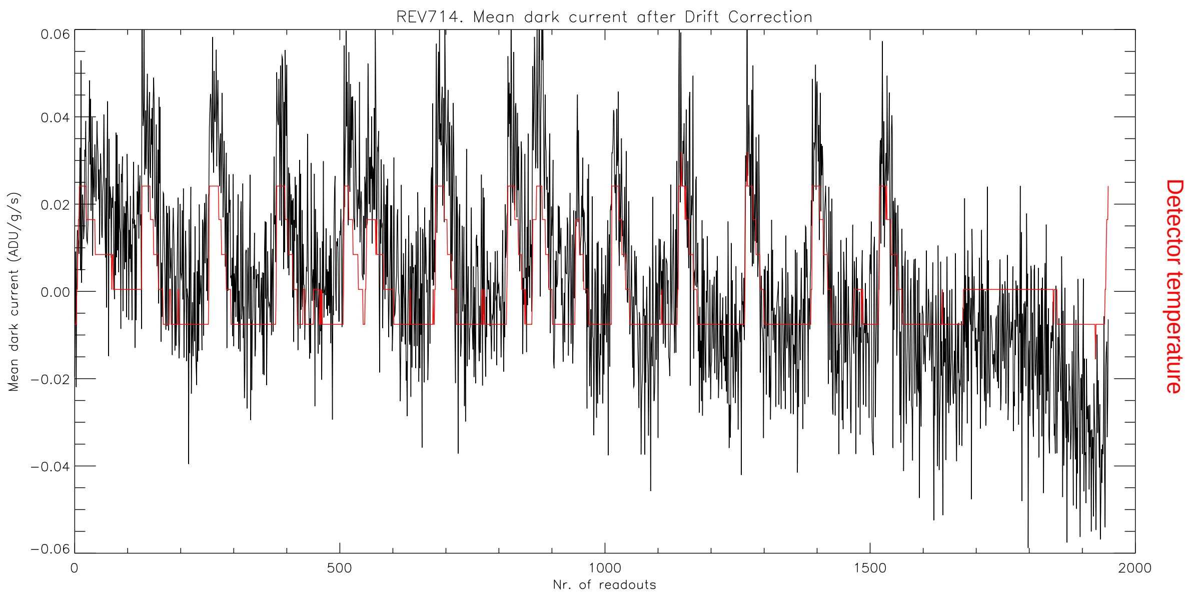

Mean Dark Currents vs. Temperature
-4.50
-4.55
-4.60
-4.65
Mean dark current (ADU/g/s)
714
758
720
728
769
798
865
3.770
3.780
3.790
3.800
3.810
Temperature (K)

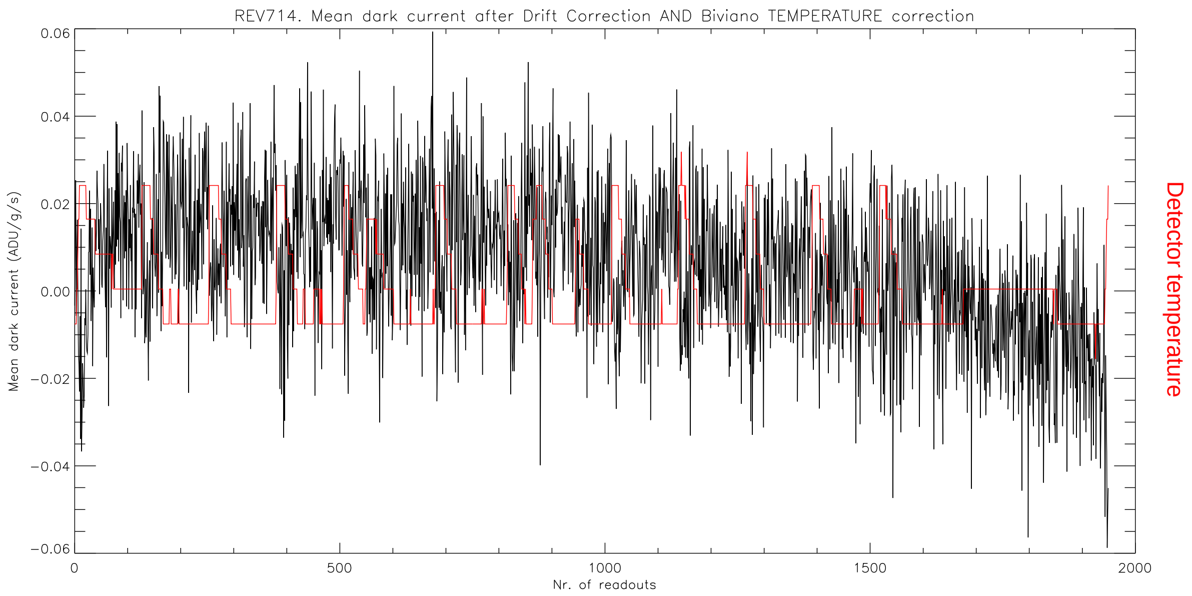

Mean Dark Currents after Drift correction vs. Temperature
0.05
0.00
-0.05
-0.10
Mean dark current (ADU/g/s)
758
865
769,798
714
728
720
3.770
3.780
3.790
3.800
3.810
Temperature (K)

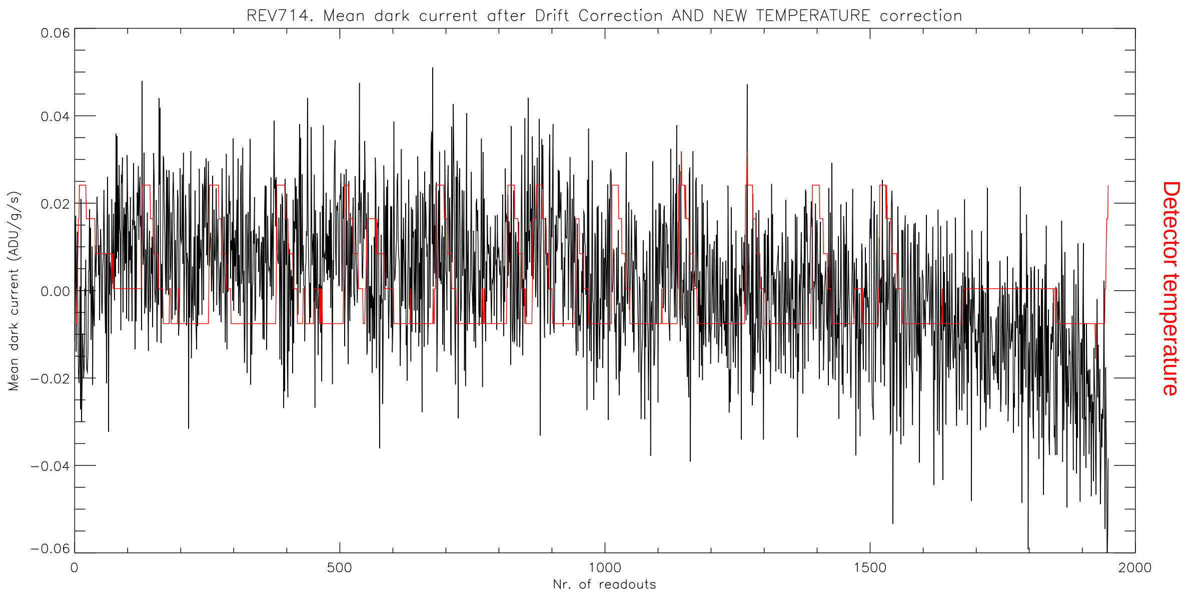

REV769. Mean dark current vs temperature
0.05
0.00
−0.05
−0.10
−0.15
Mean dark current (ADU/g/s)
3.770
3.780
3.790
3.800
3.810
Temperature (K)
MMMS Deglitching Method
TEMP Deglitching Method


Mean dark current of 6 revolutions vs. temperature
0.04
0.02
0.00
−0.02
−0.04
−0.06
Mean dark current (ADU/g/s)
3.760
3.770
3.780
3.790
3.800
3.810
3.820
Temperature (K)
Biviano/Sauvage
New Dark Correction


Correlation of TEMPERATURE and MEAN DARK after Drift and Temper. correct.
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
Correlation
−100
−50
0
50
100
lag
Before Temperature Correction
New Dark Correction
Biviano/Sauvage


REV714. Mean dark current after Drift Correction
Mean dark current (ADU/g/s)
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
500
1000
1500
2000
Nr. of readouts
Detector temperature


REV714. Mean dark current after Drift Correction AND Biviano TEMPERATURE correction
Mean dark current (ADU/g/s)
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
500
1000
1500
2000
Nr. of readouts
Detector temperature


REV714. Mean dark current after Drift Correction AND NEW TEMPERATURE correction
Mean dark current (ADU/g/s)
0.06
0.04
0.02
0.00
−0.02
−0.04
−0.06
0
500
1000
1500
2000
Nr. of readouts
Detector temperature