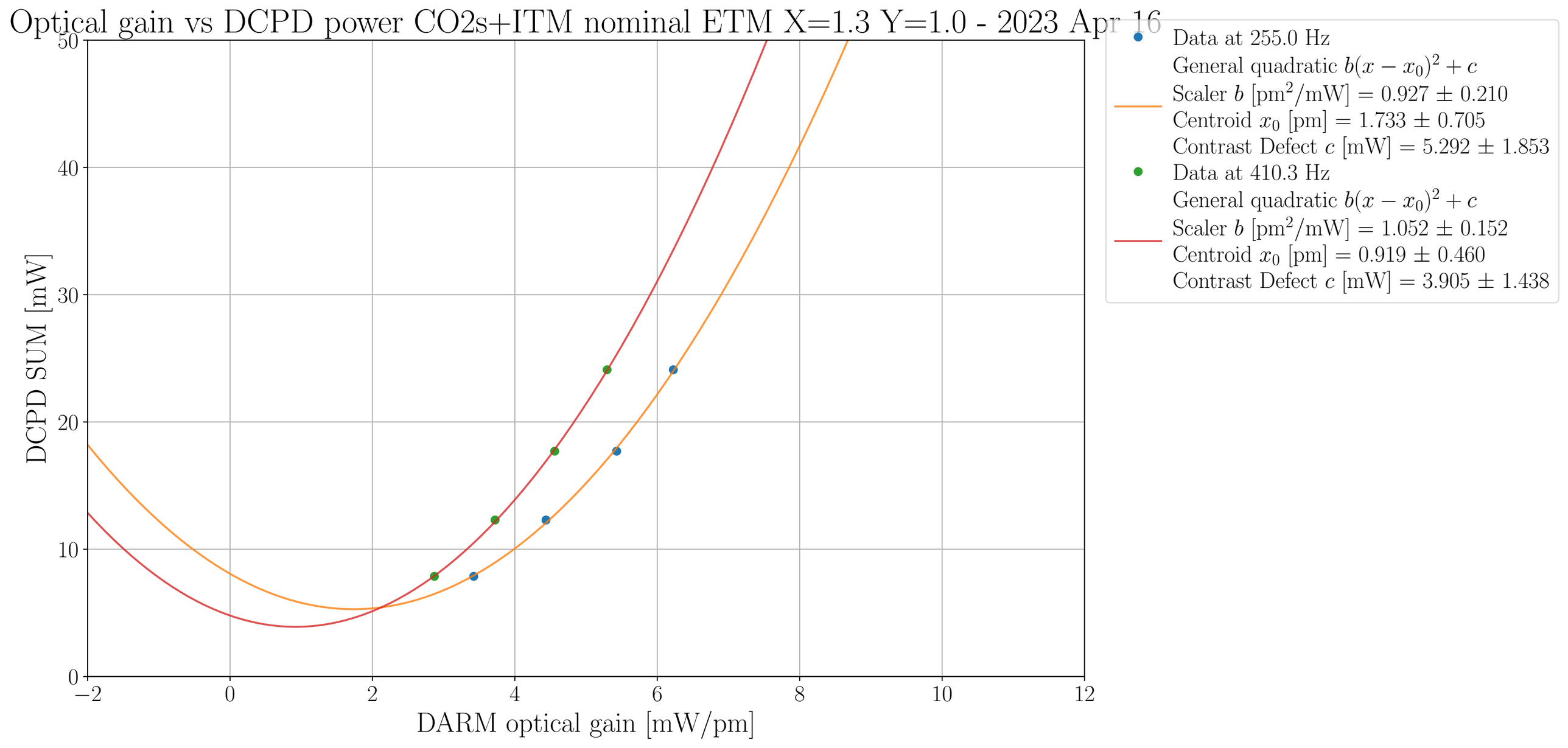
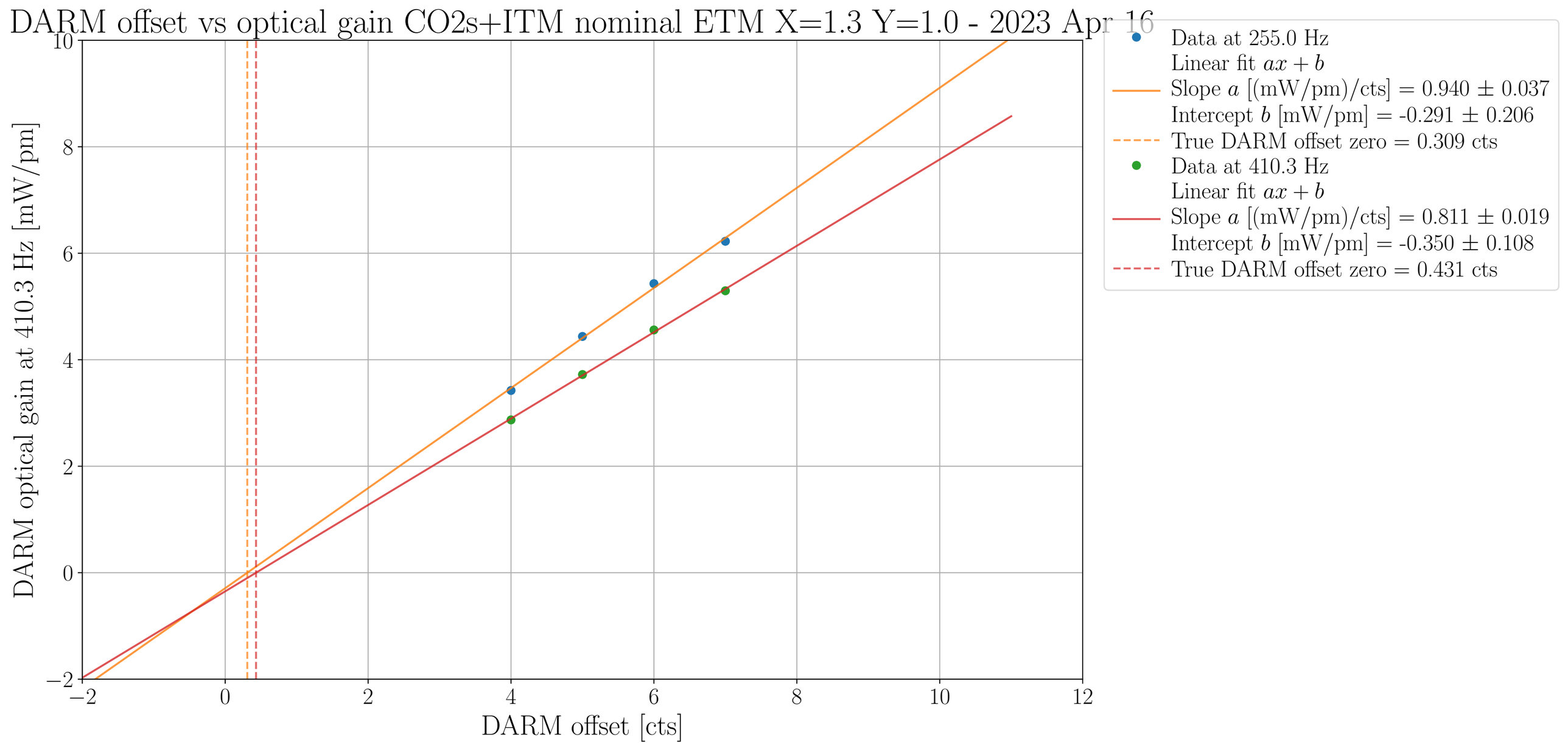

Optical gain vs DCPD power CO2s+ITM nominal ETM X=1.3 Y=1.0 - 2023 Apr 16
DCPD SUM [mW]
DARM optical gain [mW/pm]
0
10
20
30
40
50
−2
0
2
4
6
8
10
12
Data at 255.0 Hz
General quadratic $b(x-x_0)^2+c$
Scaler b [pm^2/mW] = 0.927 ± 0.210
Centroid x_0 [pm] = 1.733 ± 0.705
Contrast Defect c [mW] = 5.292 ± 1.853
Data at 410.3 Hz
General quadratic $b(x-x_0)^2+c$
Scaler b [pm^2/mW] = 1.052 ± 0.152
Centroid x_0 [pm] = 0.919 ± 0.460
Contrast Defect c [mW] = 3.905 ± 1.438


DARM offset vs optical gain CO2s+ITM nominal ETM X=1.3 Y=1.0 - 2023 Apr 16
DARM optical gain at 410.3 Hz [mW/pm]
DARM offset [cts]
Data at 255.0 Hz
Linear fit $ax + b$
Slope a [(mW/pm)/cts] = 0.940 ± 0.037
Intercept b [mW/pm] = -0.291 ± 0.206
True DARM offset zero = 0.309 cts
Data at 410.3 Hz
Linear fit $ax + b$
Slope a [(mW/pm)/cts] = 0.811 ± 0.019
Intercept b [mW/pm] = -0.350 ± 0.108
True DARM offset zero = 0.431 cts