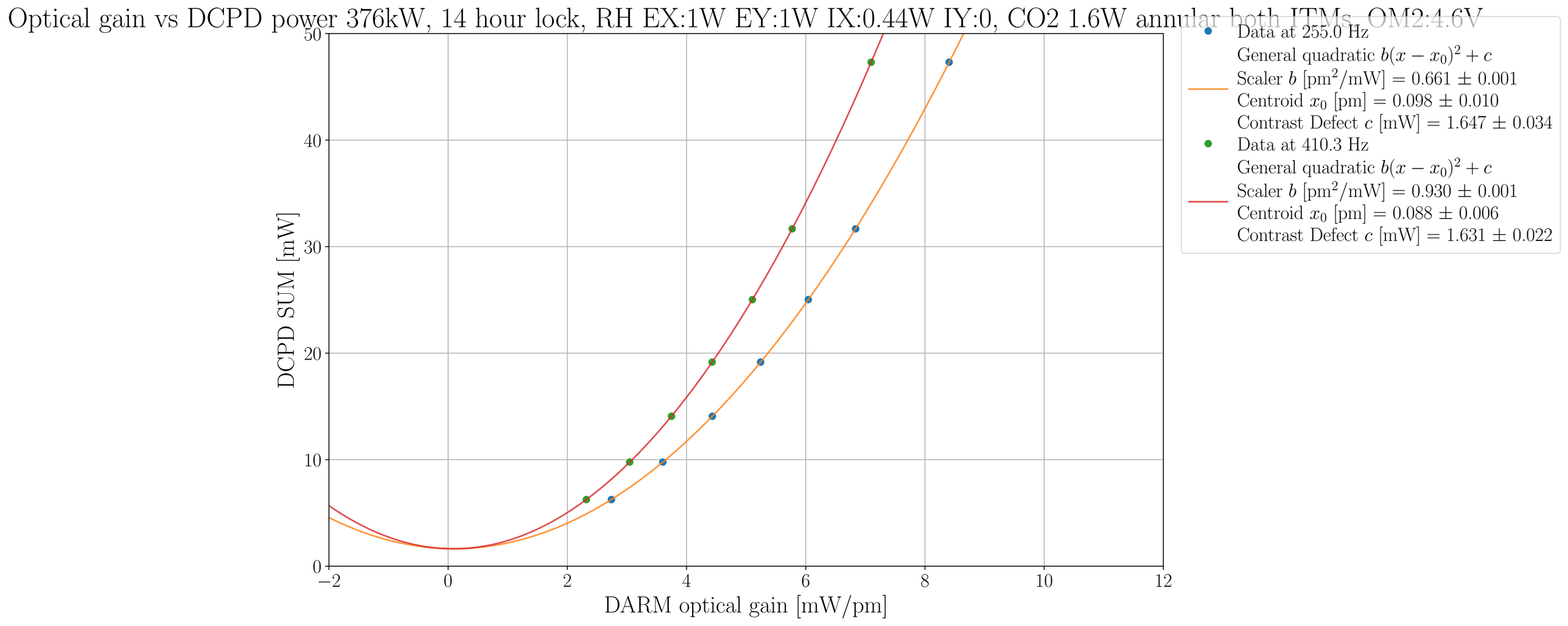
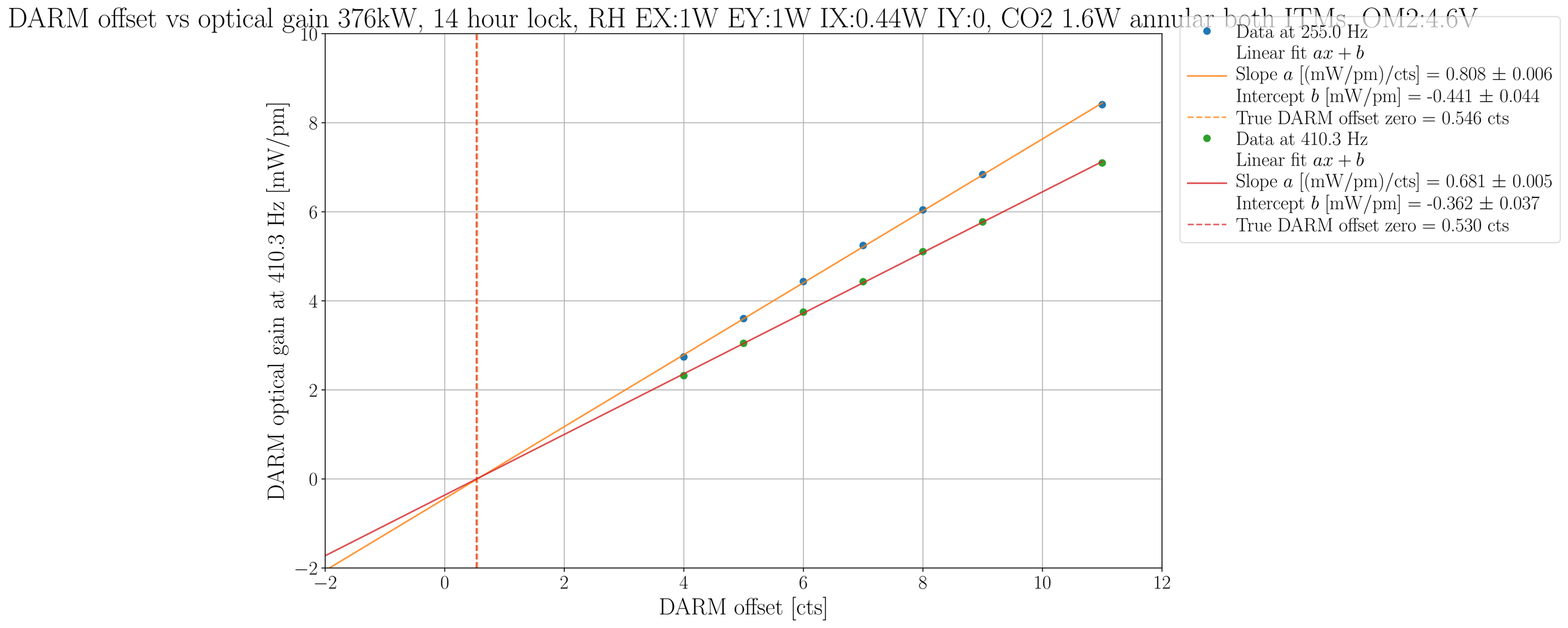

Optical gain vs DCPD power 376kW, 14 hour lock, RH EX:1W EY:1W IX:0.44W IY:0, CO2 1.6W annular both ITMs, OM2:4.6V
DCPD SUM [mW]
DARM optical gain [mW/pm]
0
10
20
30
40
50
−2
0
2
4
6
8
10
12
Data at 255.0 Hz
General quadratic $b(x - x_0)^2 + c$
Scaler b [pm^2/mW] = 0.661 ± 0.001
Centroid x_0 [pm] = 0.098 ± 0.010
Contrast Defect c [mW] = 1.647 ± 0.034
Data at 410.3 Hz
General quadratic $b(x - x_0)^2 + c$
Scaler b [pm^2/mW] = 0.930 ± 0.001
Centroid x_0 [pm] = 0.088 ± 0.006
Contrast Defect c [mW] = 1.631 ± 0.022


DARM offset vs optical gain 376kW, 14 hour lock, RH EX:1W EY:1W IX:0.44W IY:0, CO2 1.6W annular both ITMs, OM2:4.6V
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] = 0.808 ± 0.006
Intercept b [mW/pm] = -0.441 ± 0.044
True DARM offset zero = 0.546 cts
Data at 410.3 Hz
Linear fit $ax + b$
Slope a [(mW/pm)/cts] = 0.681 ± 0.005
Intercept b [mW/pm] = -0.362 ± 0.037
True DARM offset zero = 0.530 cts