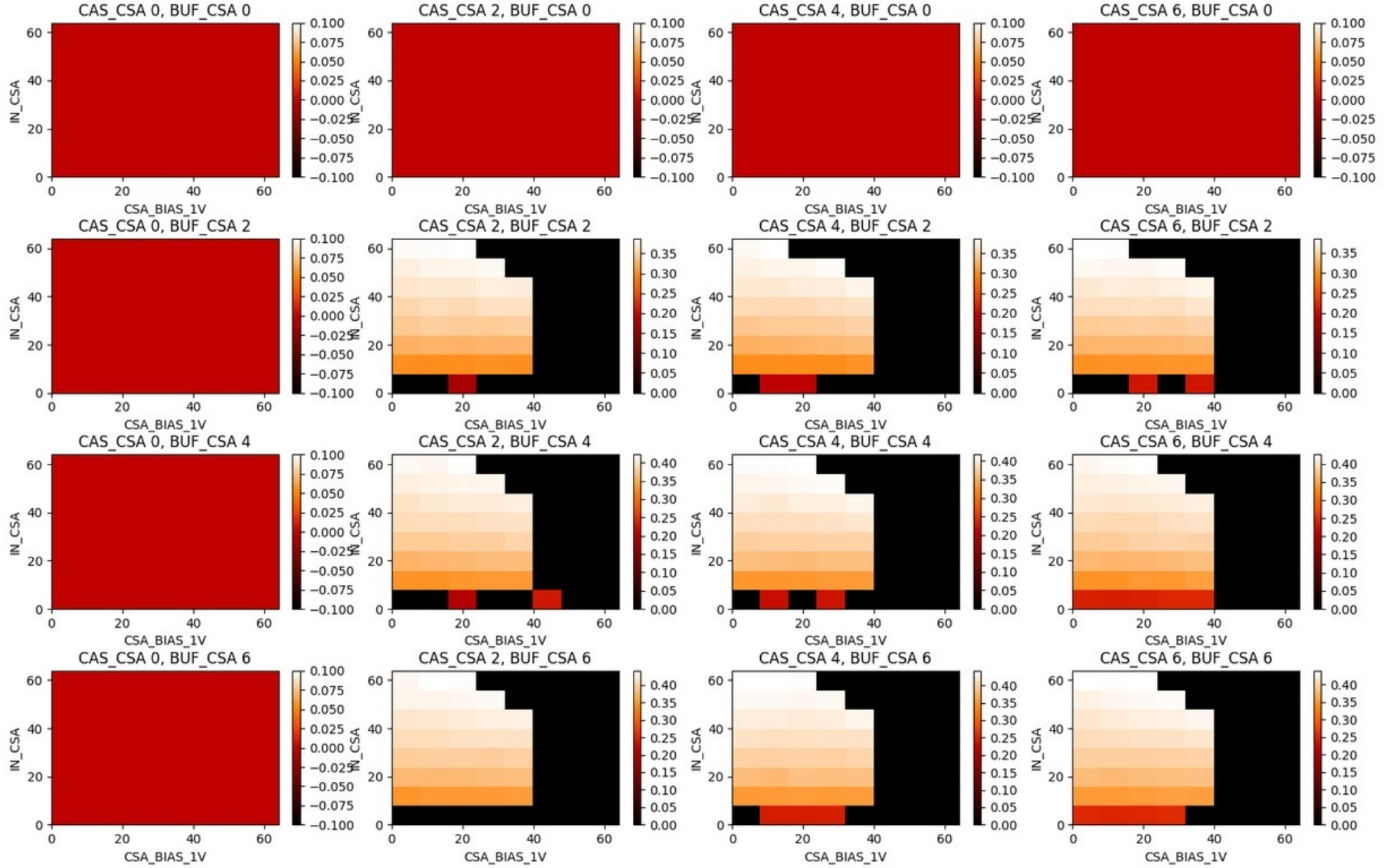
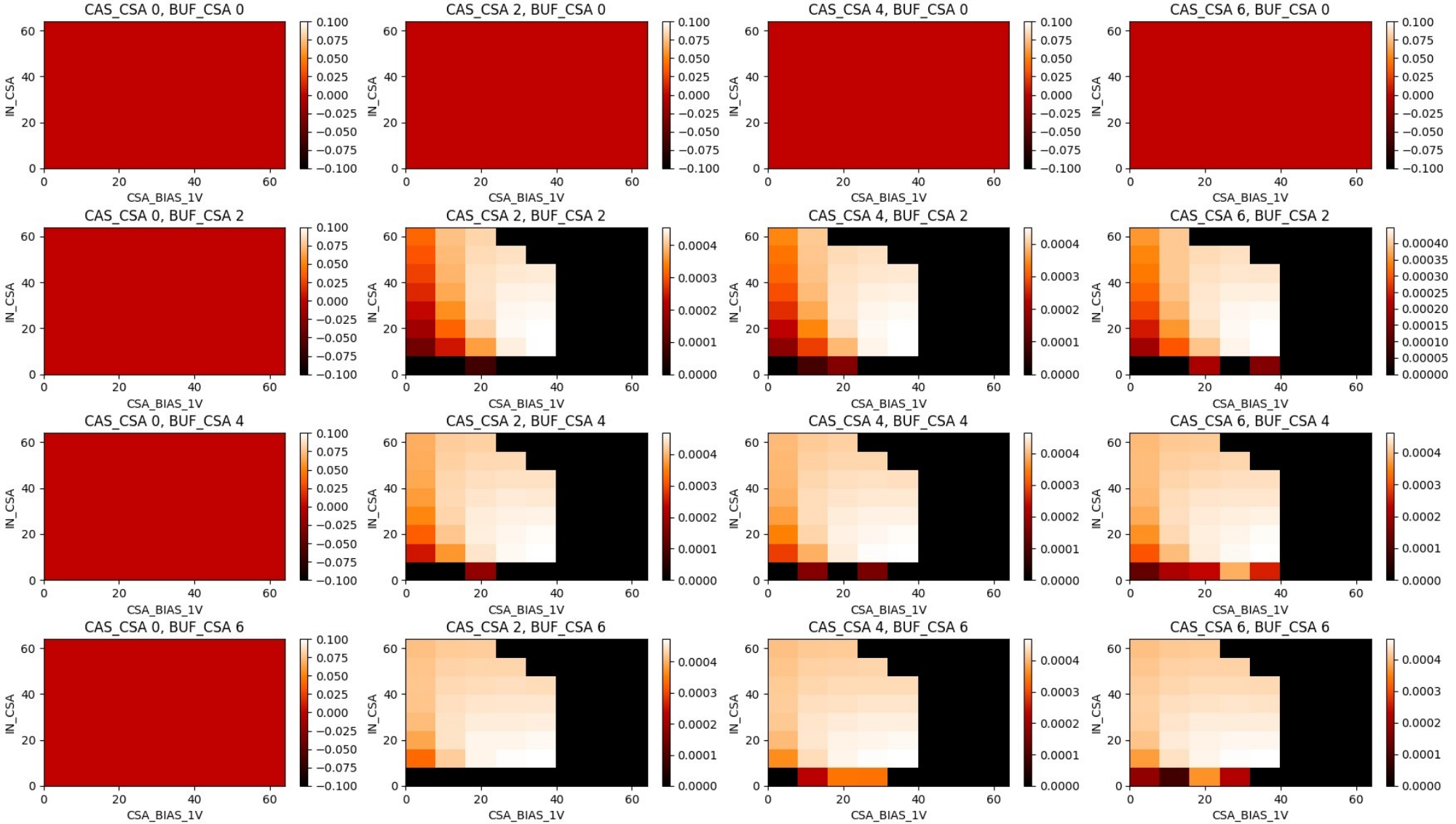
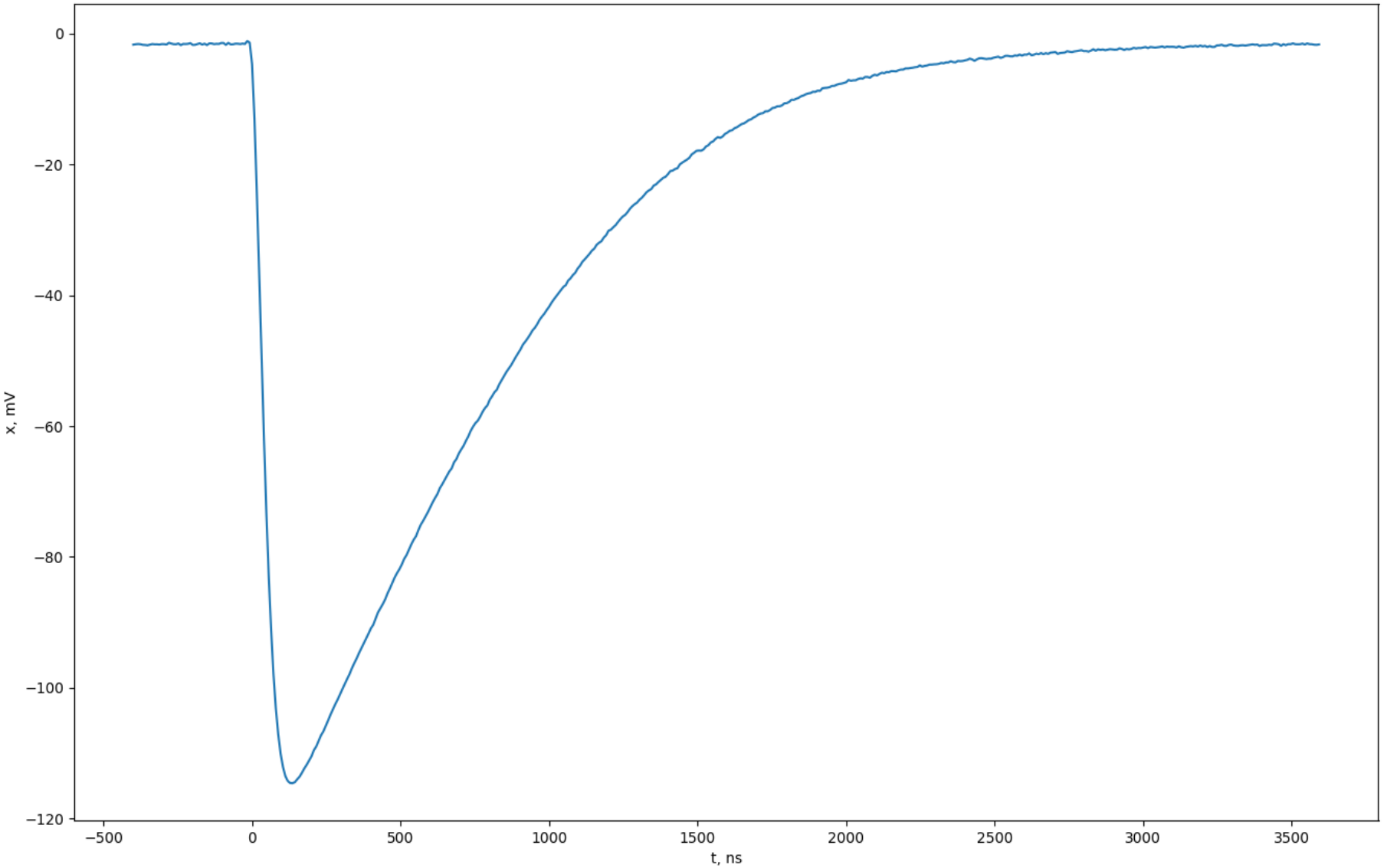
# CSA Baseline



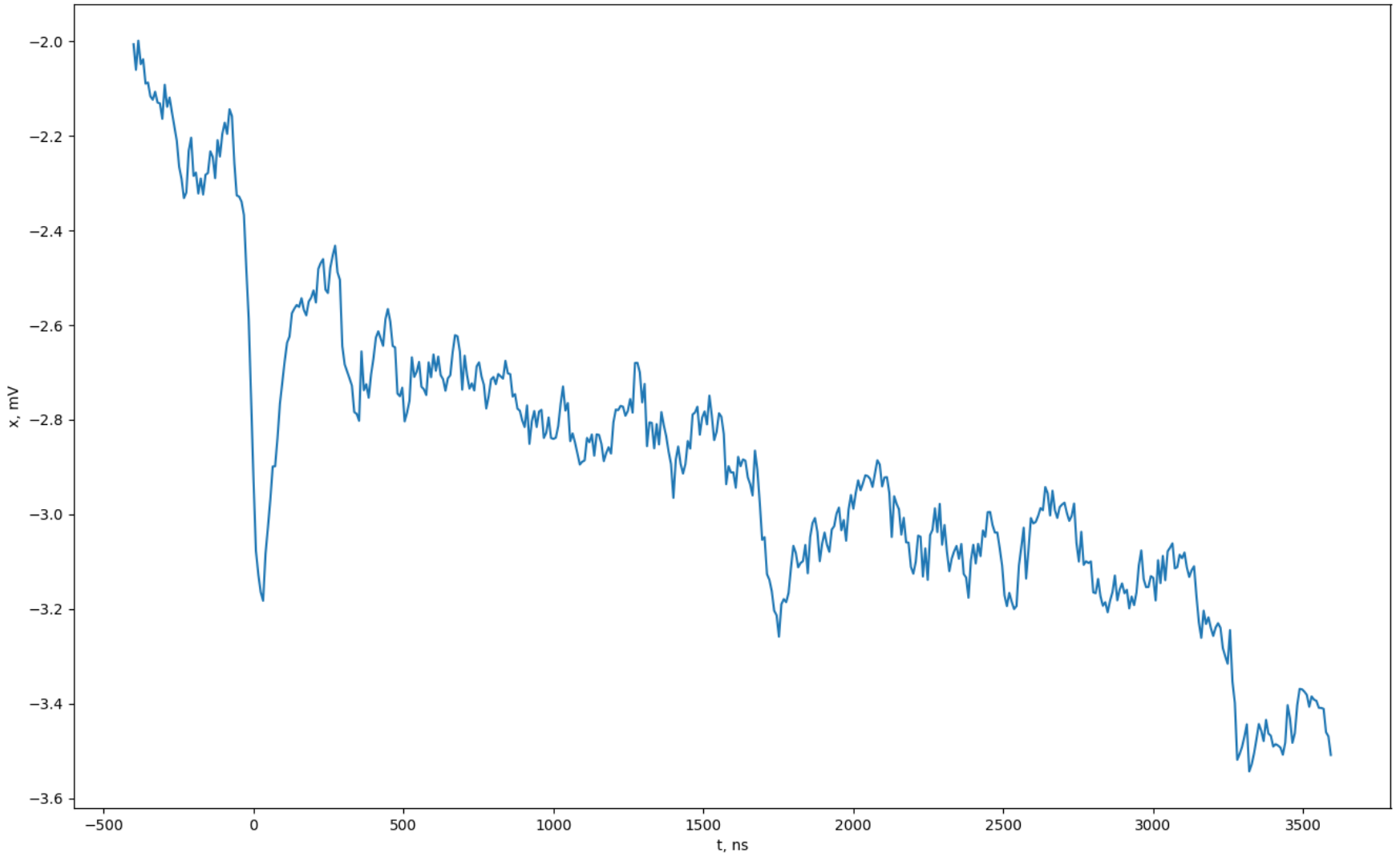
# CSA K


CAS_CSA 0, BUF_CSA 0
CAS_CSA 2, BUF_CSA 0
CAS_CSA 4, BUF_CSA 0
CAS_CSA 6, BUF_CSA 0
CAS_CSA 0, BUF_CSA 2
CAS_CSA 2, BUF_CSA 2
CAS_CSA 4, BUF_CSA 2
CAS_CSA 6, BUF_CSA 2
CAS_CSA 0, BUF_CSA 4
CAS_CSA 2, BUF_CSA 4
CAS_CSA 4, BUF_CSA 4
CAS_CSA 6, BUF_CSA 4
CAS_CSA 0, BUF_CSA 6
CAS_CSA 2, BUF_CSA 6
CAS_CSA 4, BUF_CSA 6
CAS_CSA 6, BUF_CSA 6
IN_CSA
CSA_BIAS_1V

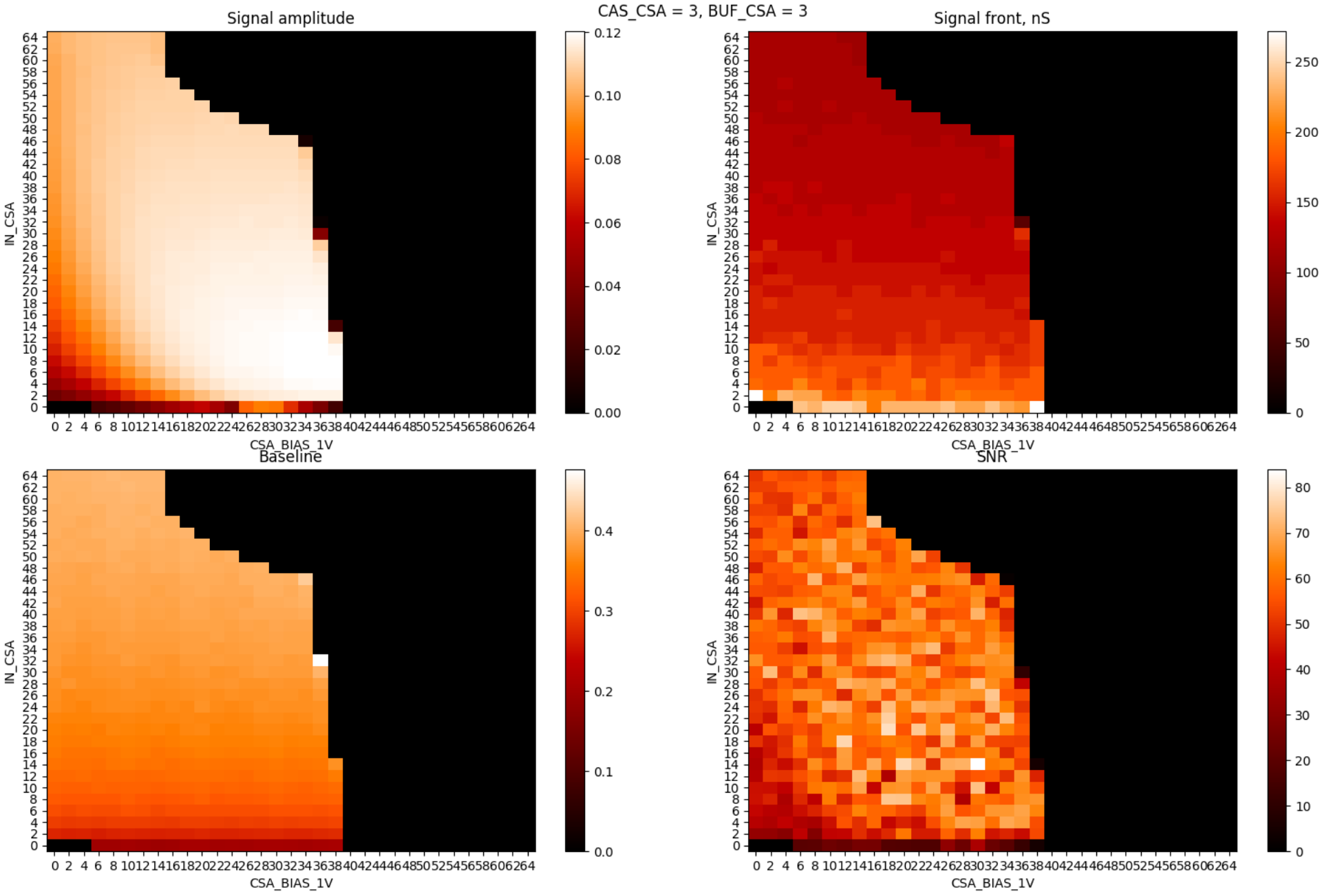
# Good event


0
−20
−40
−60
−80
−100
−120
x, mV
−500
0
500
1000
1500
2000
2500
3000
3500
t, ns

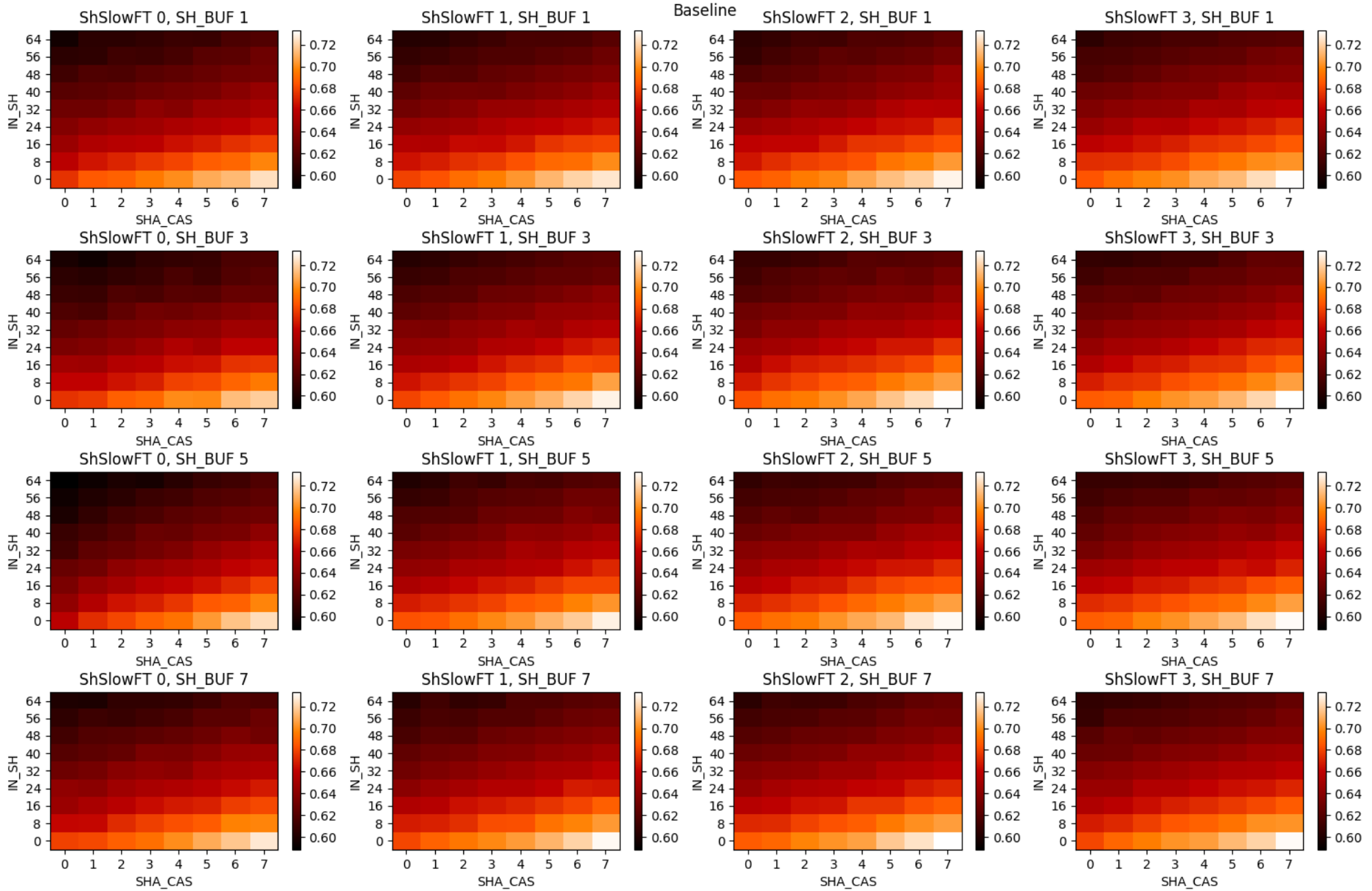
# Bad event


−2.0
−2.2
−2.4
−2.6
−2.8
−3.0
−3.2
−3.4
−3.6
x, mV
−500
0
500
1000
1500
2000
2500
3000
3500
t, ns

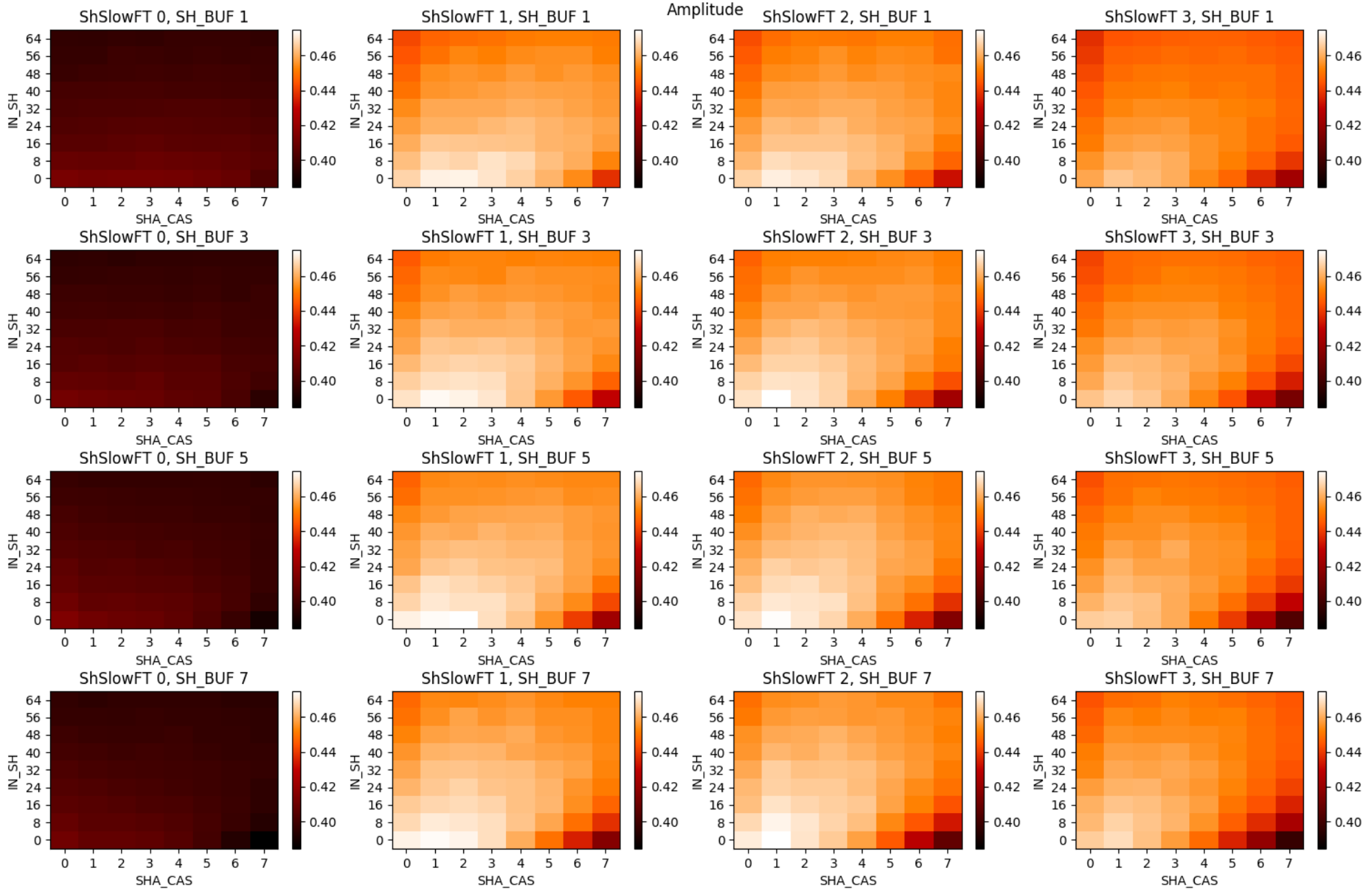
# CSA 32x32


CAS_CSA = 3, BUF_CSA = 3
Signal amplitude
Signal front, nS
Baseline
SNR
IN_CSA
CSA_BIAS_1V

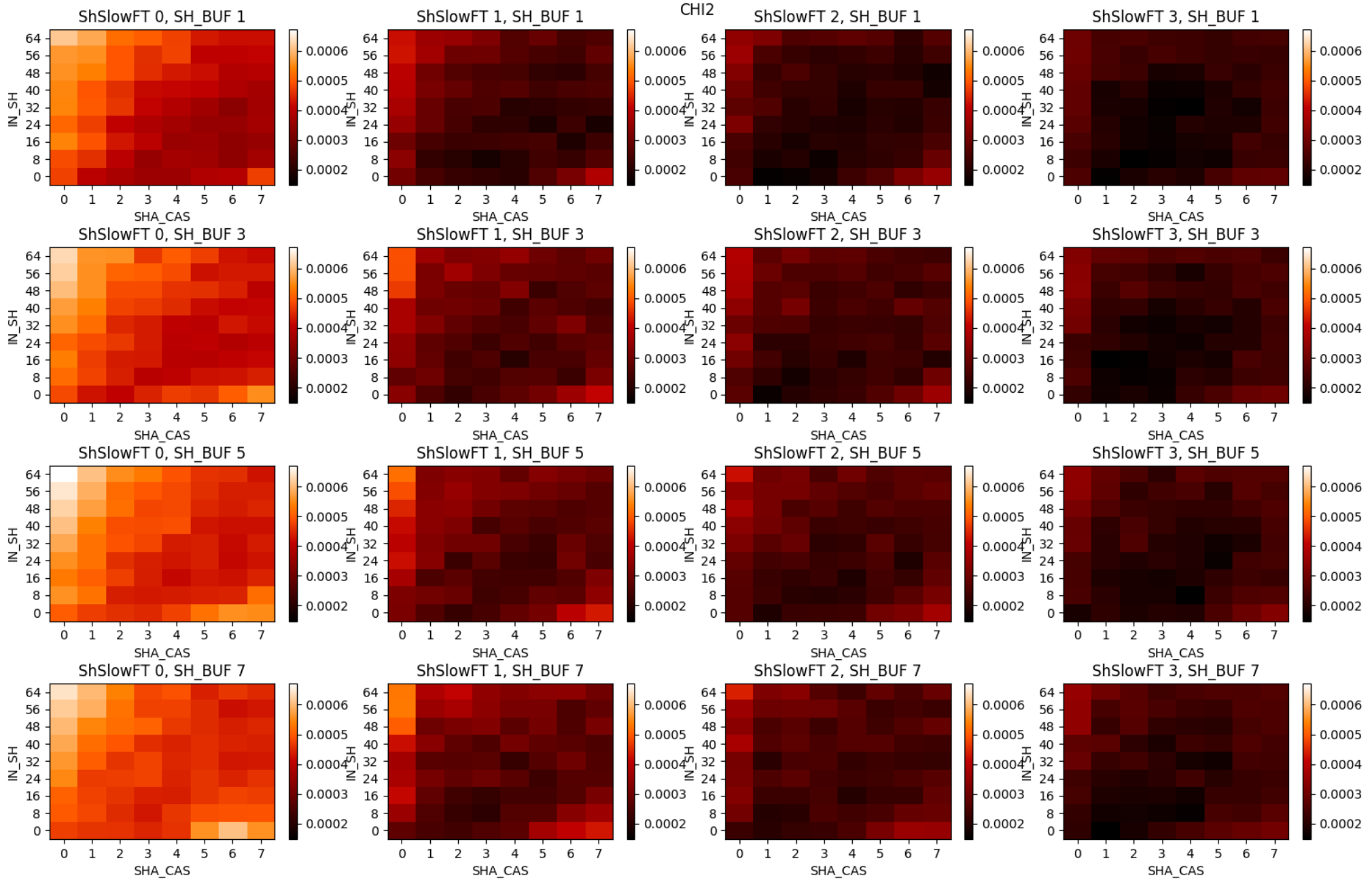
# Slow shaper Baseline



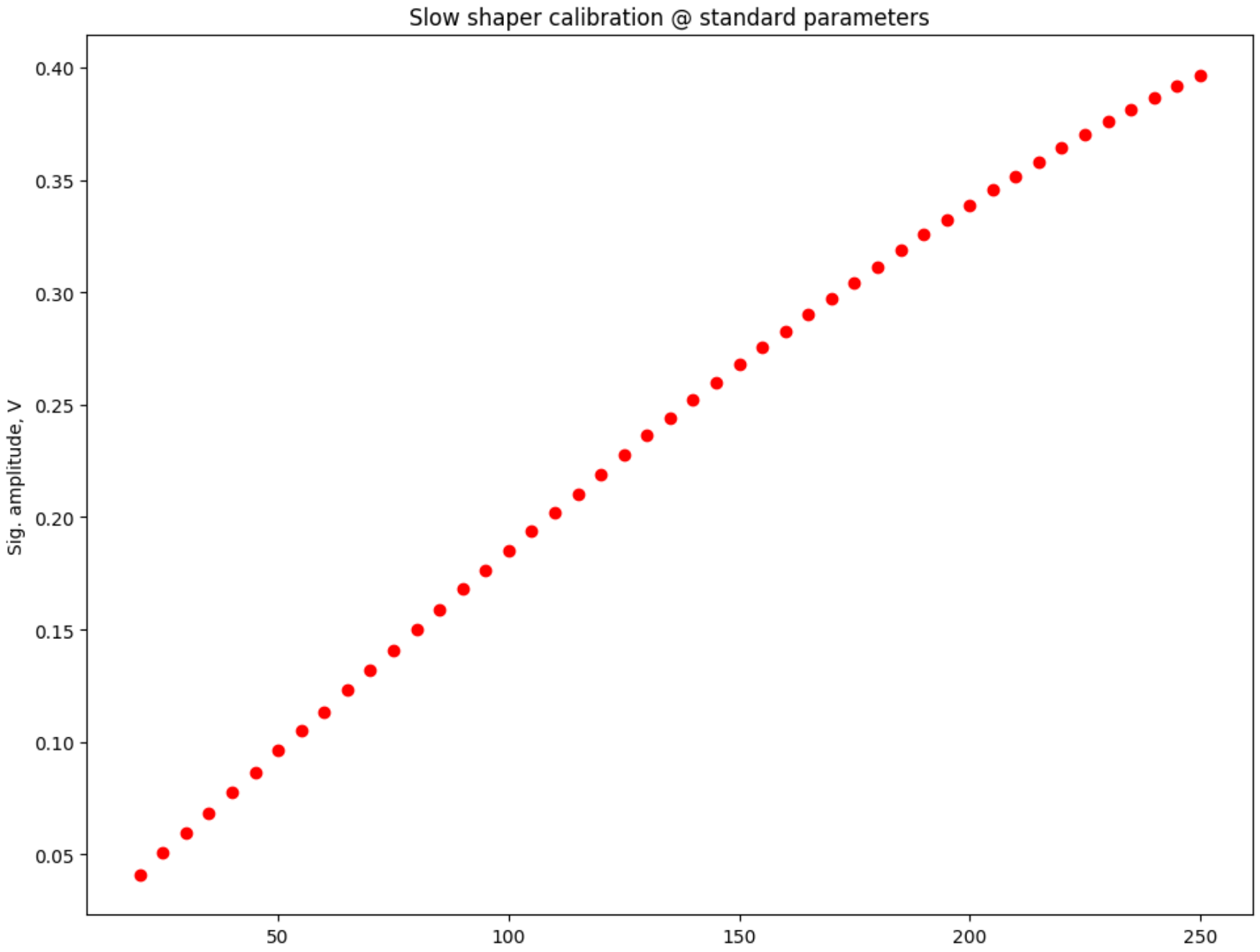
# Slow shaper max. sig amp



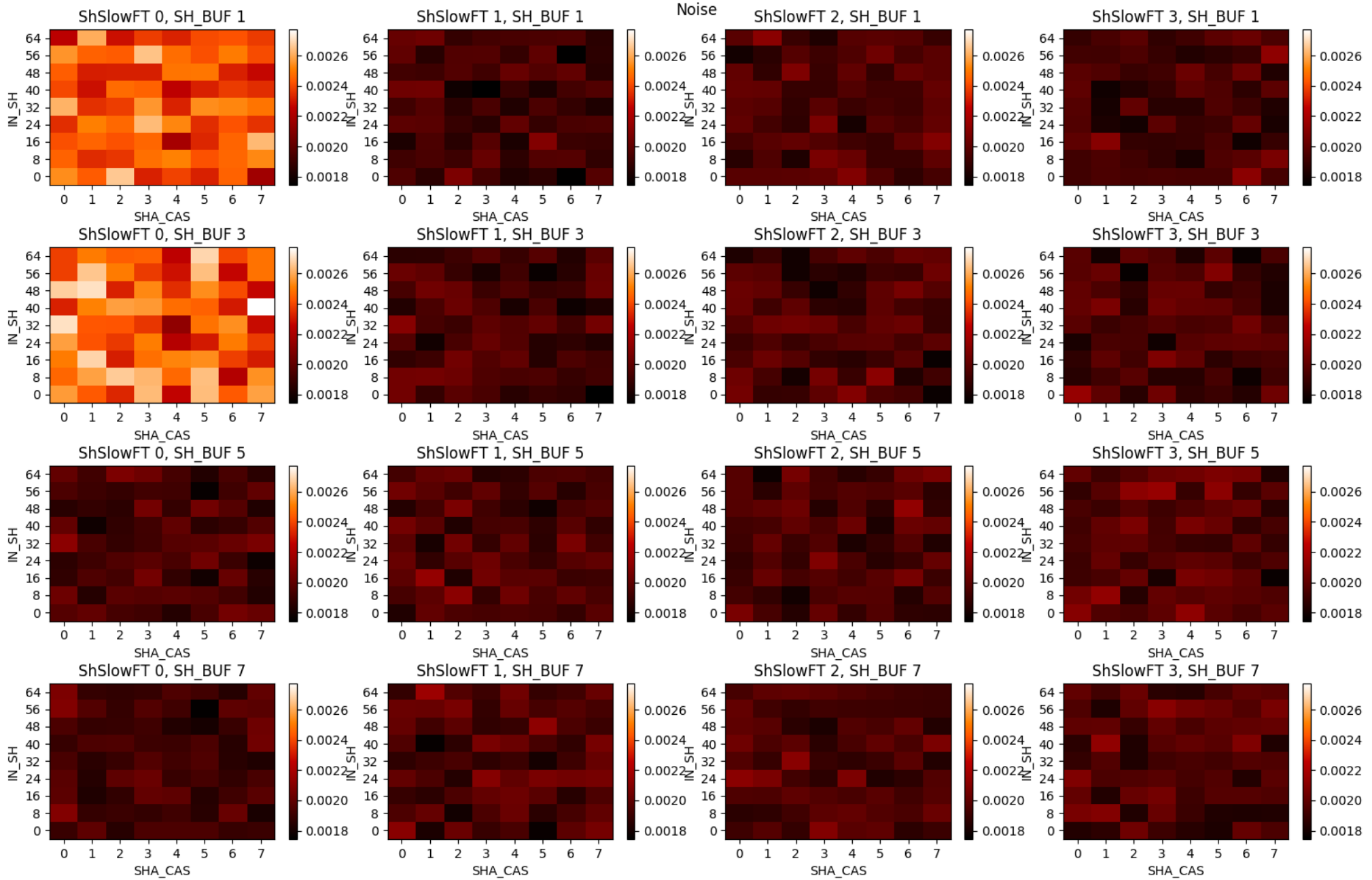
# Slow shaper chi2



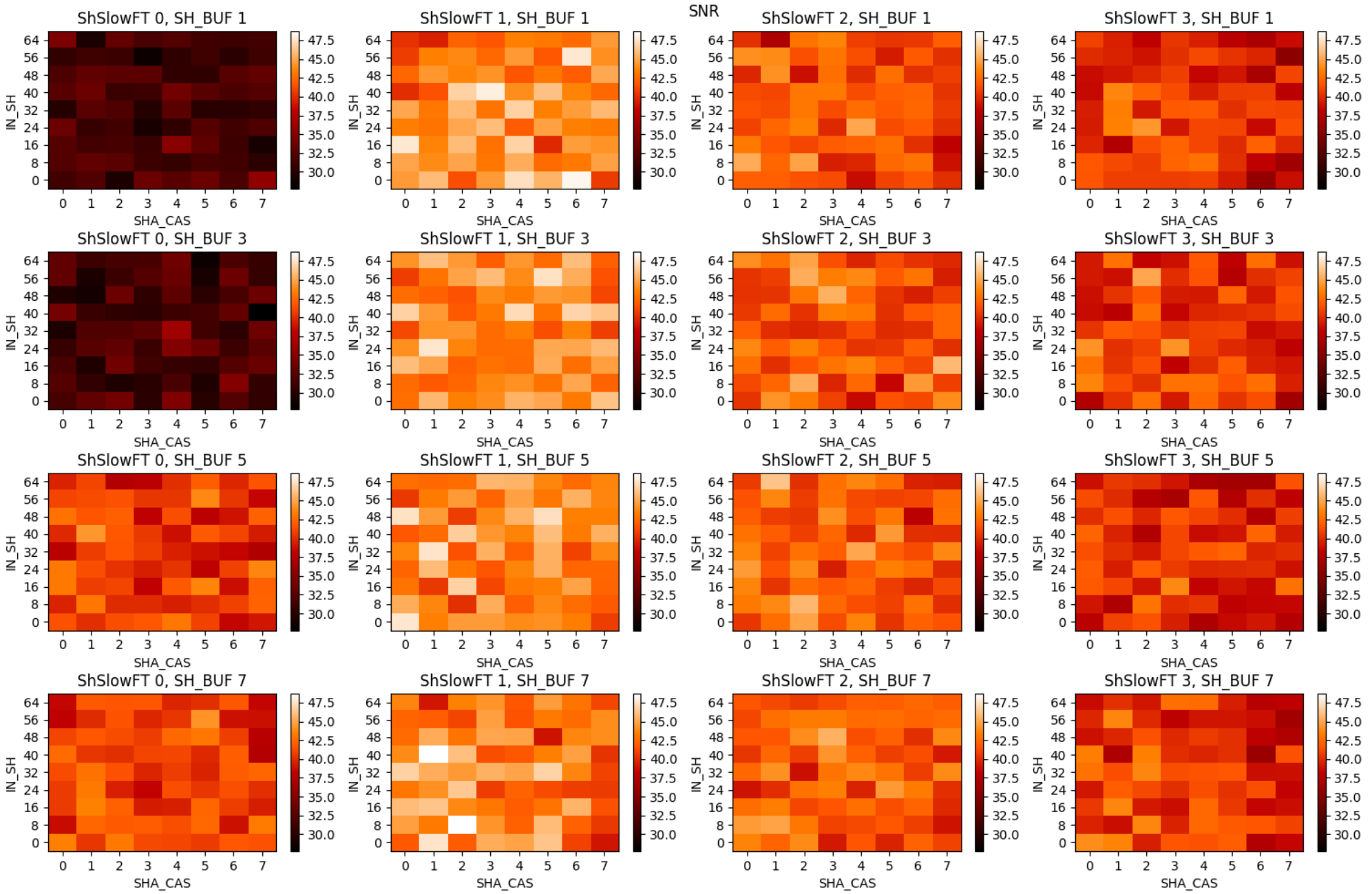
# Slow shaper nonlinearity



# Slow shaper noise

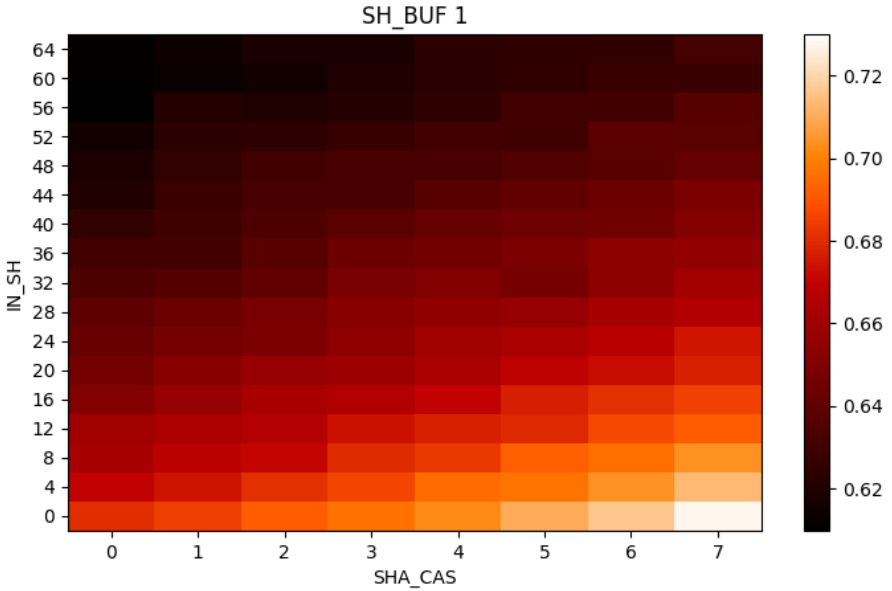


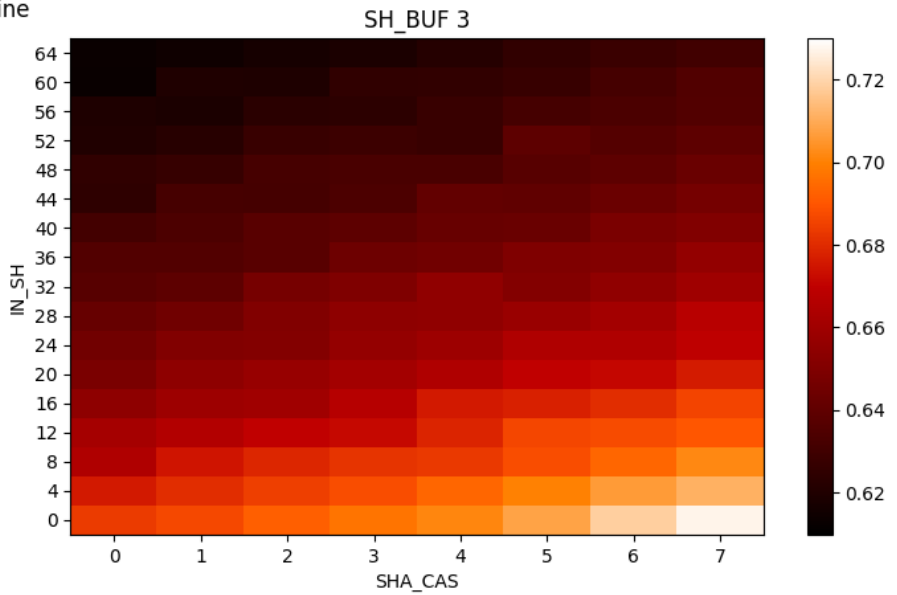
# Slow shaper SNR

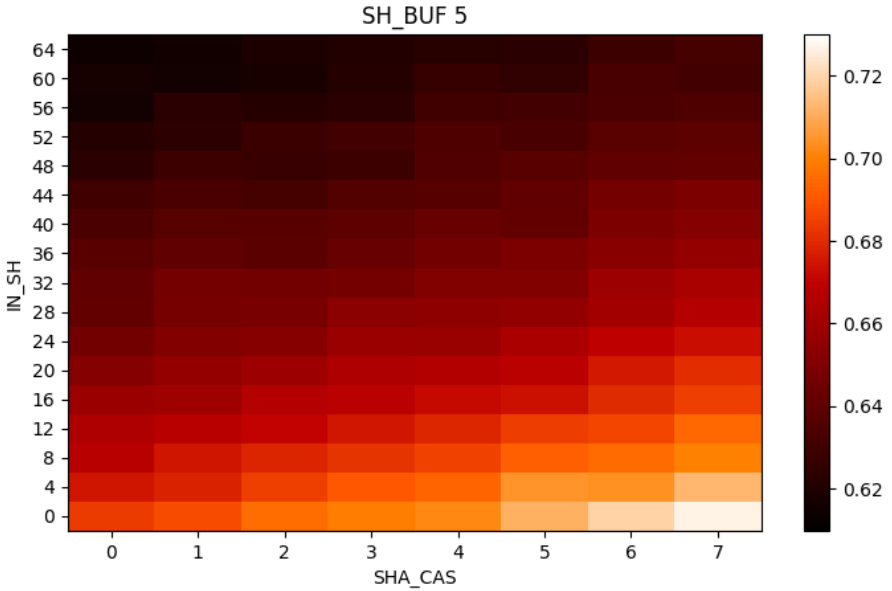


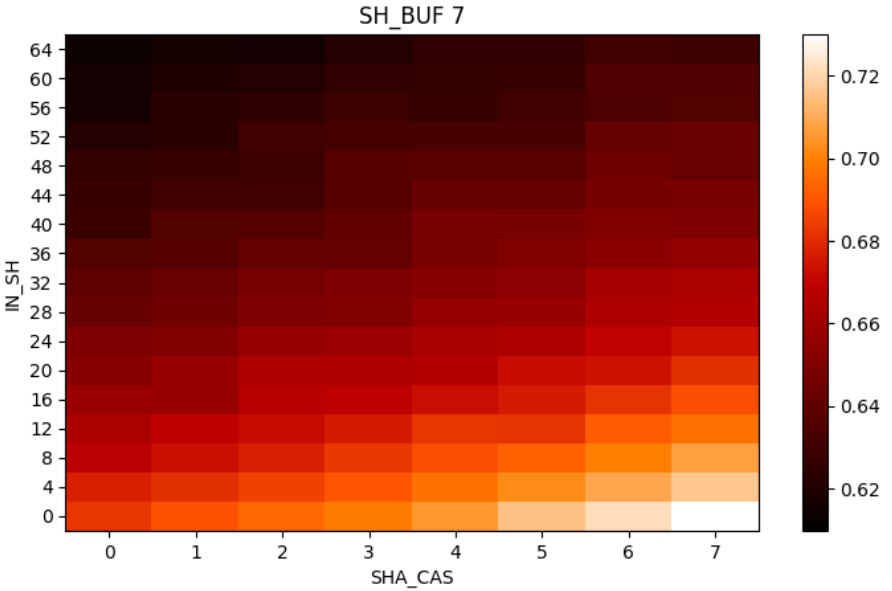
# Fast shaper baseline

Baseline

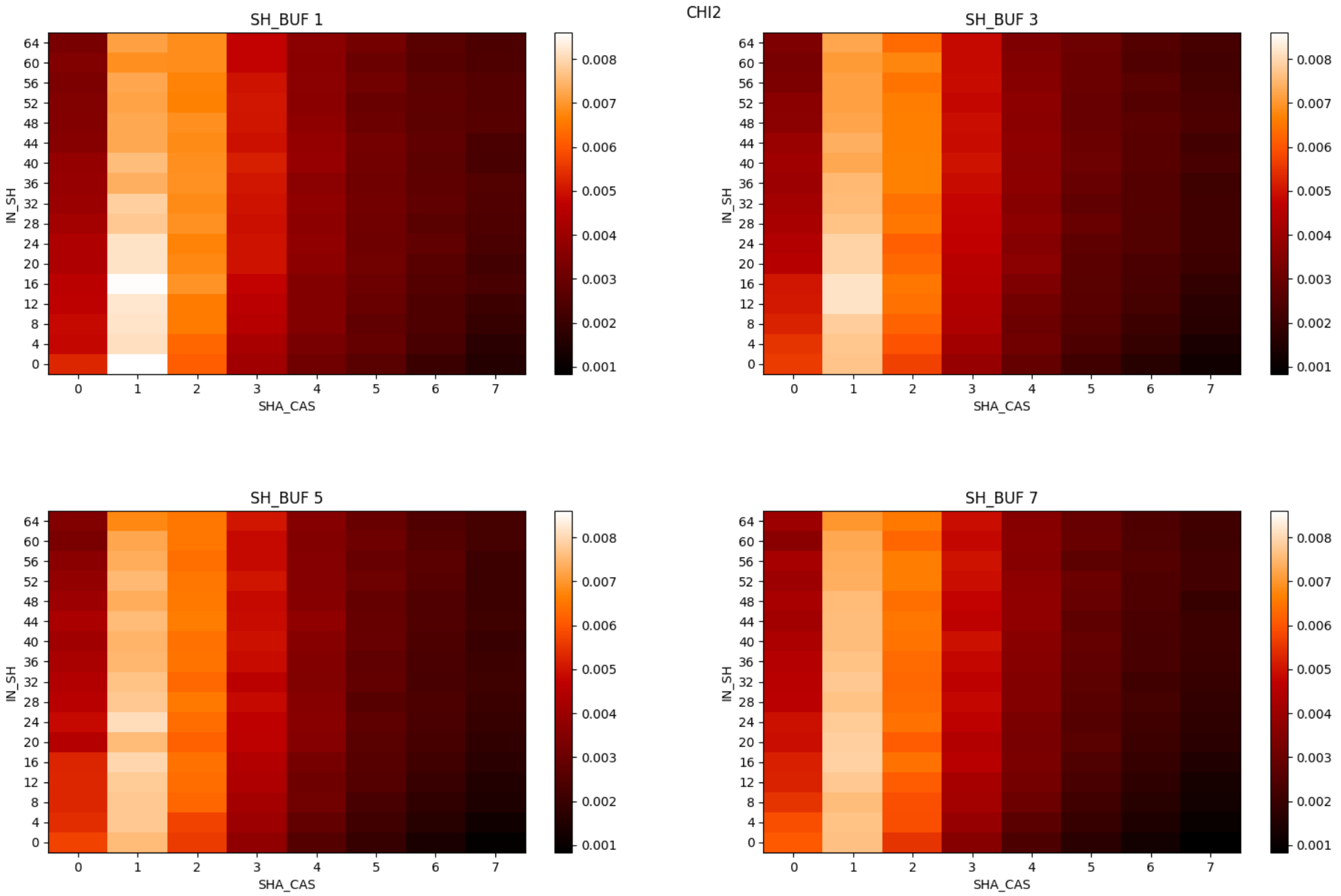


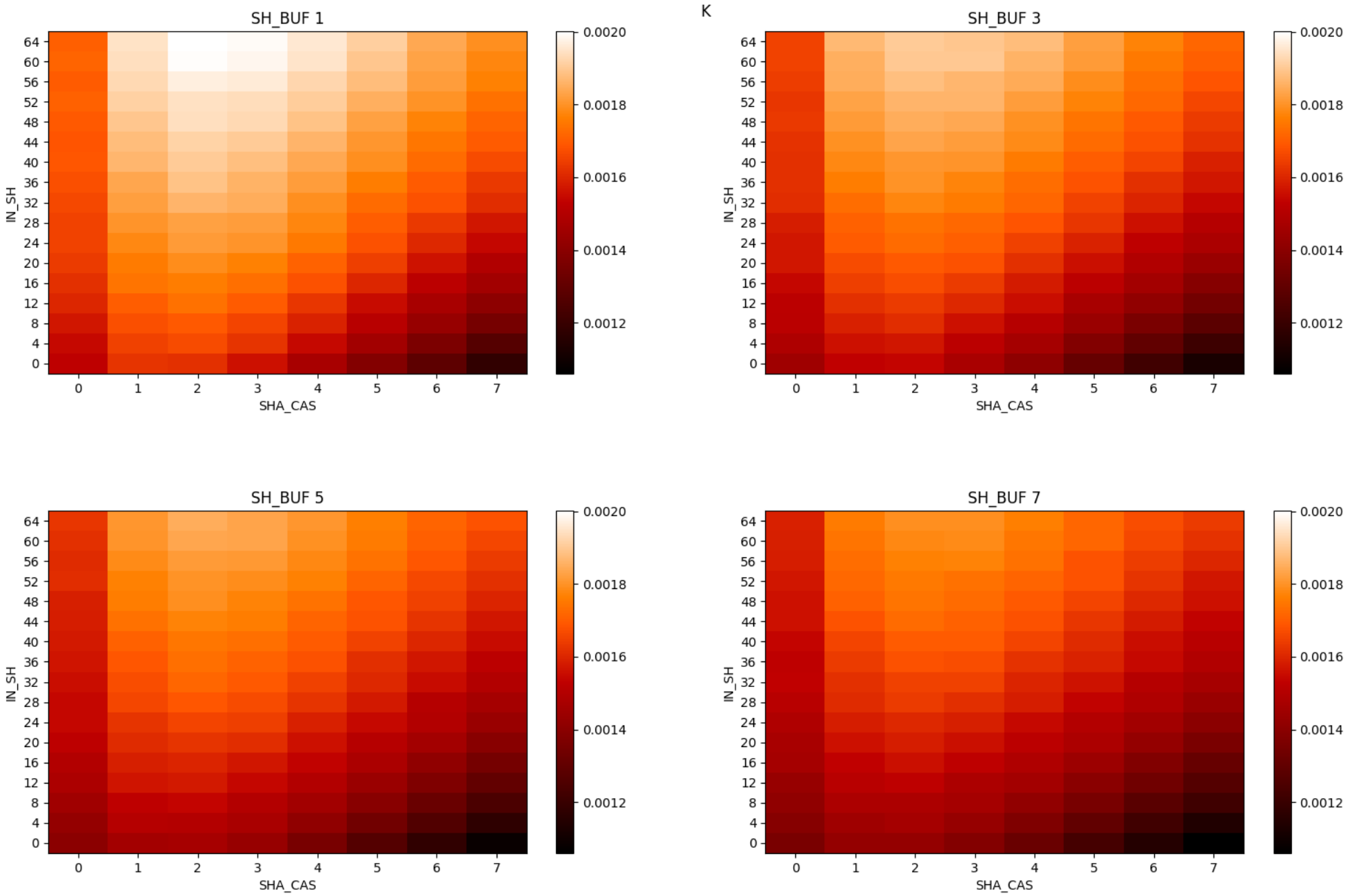
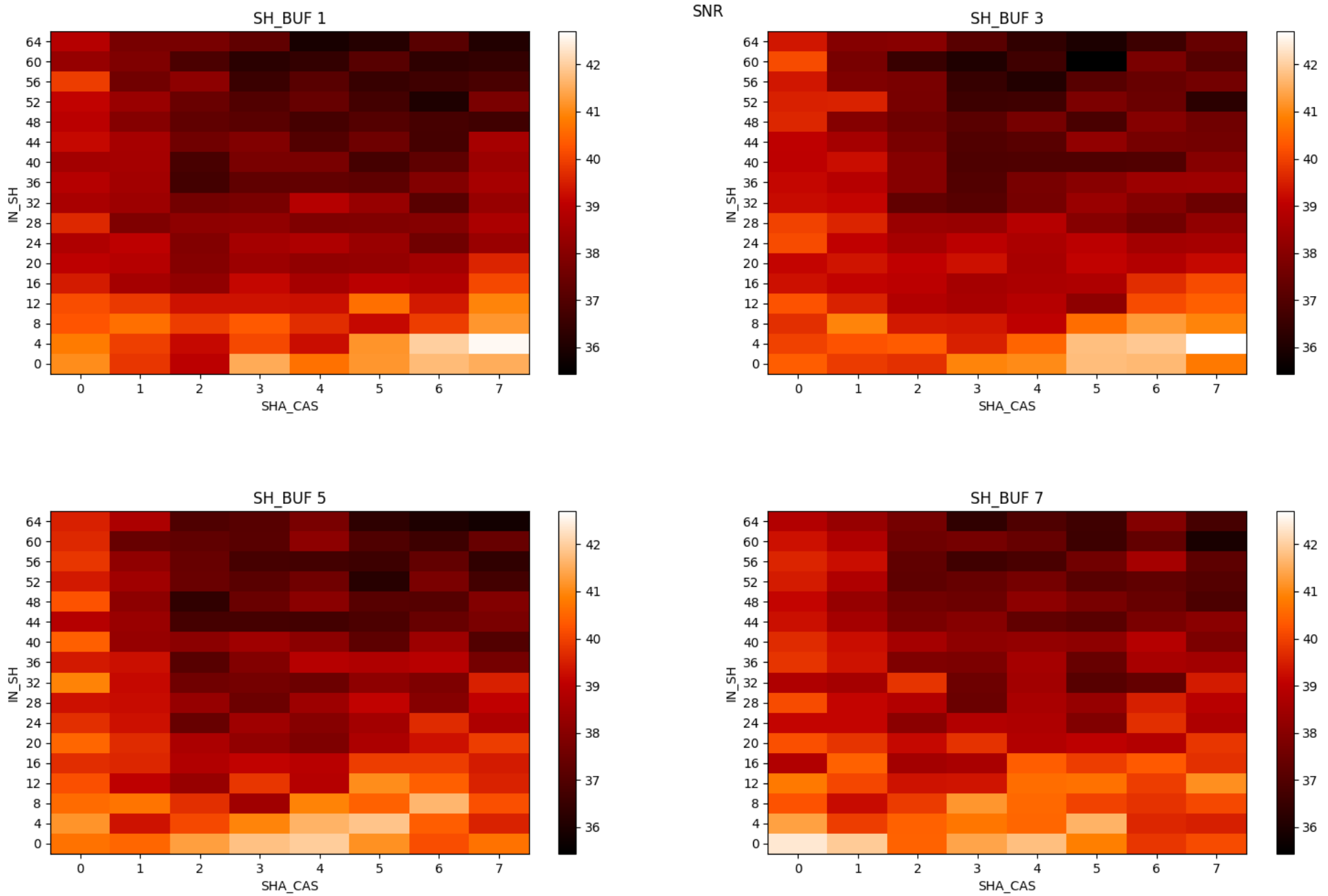



# Fast shaper chi2



# Fast shaper K



# Fast shaper SNR