Chopper
new PCB test results

Art Kay

10-19-2023
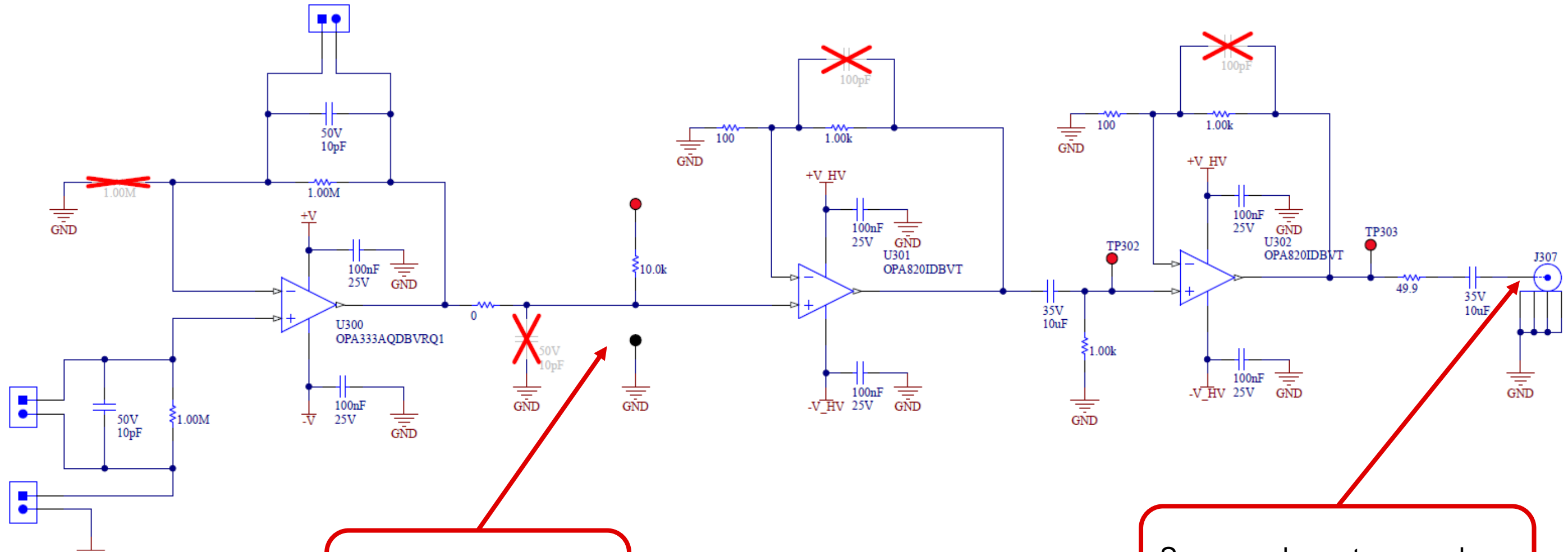
Configuration measured for offset

RF 1MEG

-12V

U1 OPAx189

34401 DMM

+12V

-12V

U2 OPAx189

34401 DMM

R2 1MEG

+12V

R3 1MEG

-12V

U3 OPAx189

34401 DMM

R4 1MEG

+12V

-12V

U4 OPAx189

34401 DMM

+12V
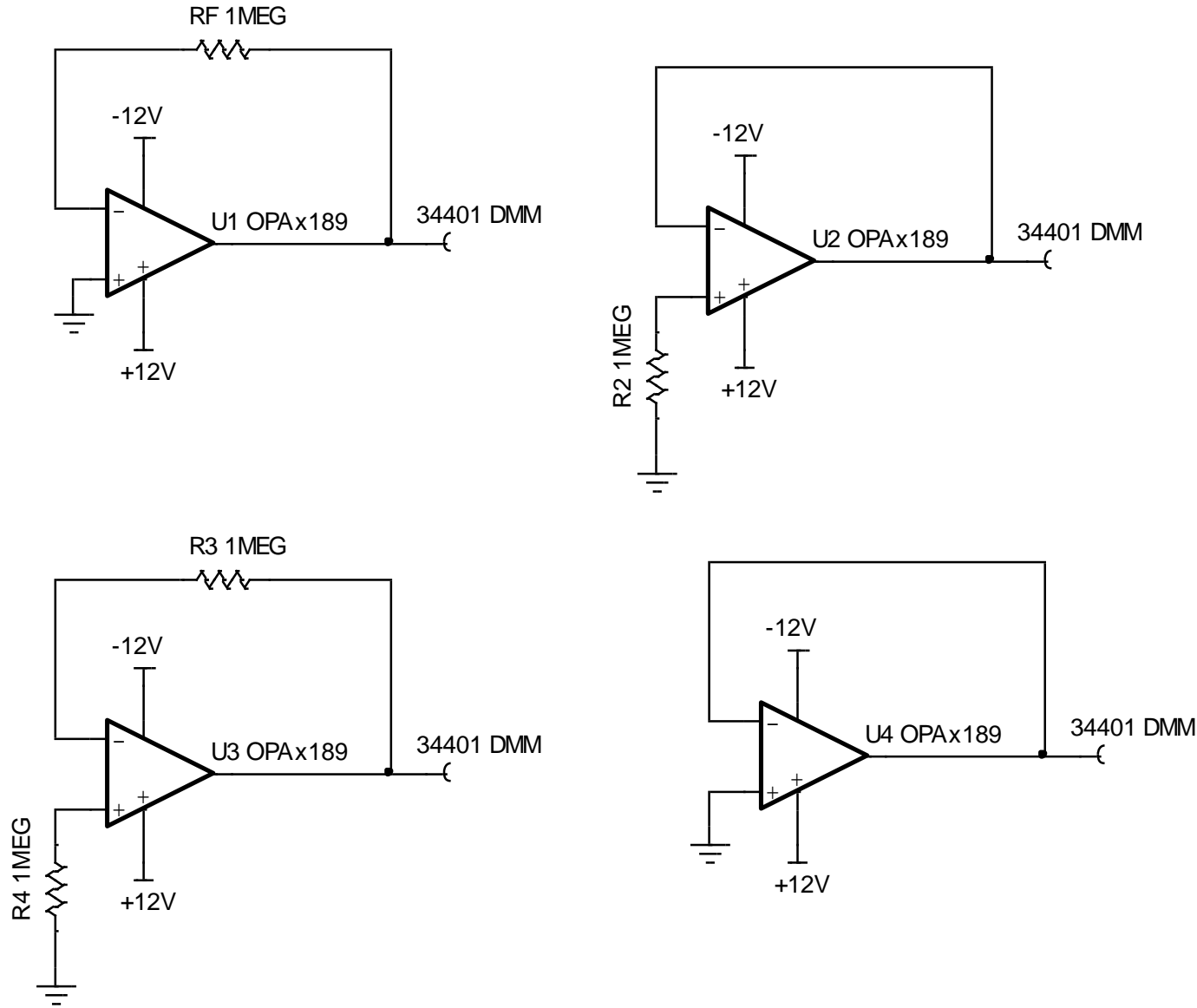
This is done with 1k, 10k, 100k and 1M feedback

TEXAS INSTRUMENTS

Configurations for scope and spectrum

DMM read here

Scope and spectrum analyzer read here

OPA187 offset measurements

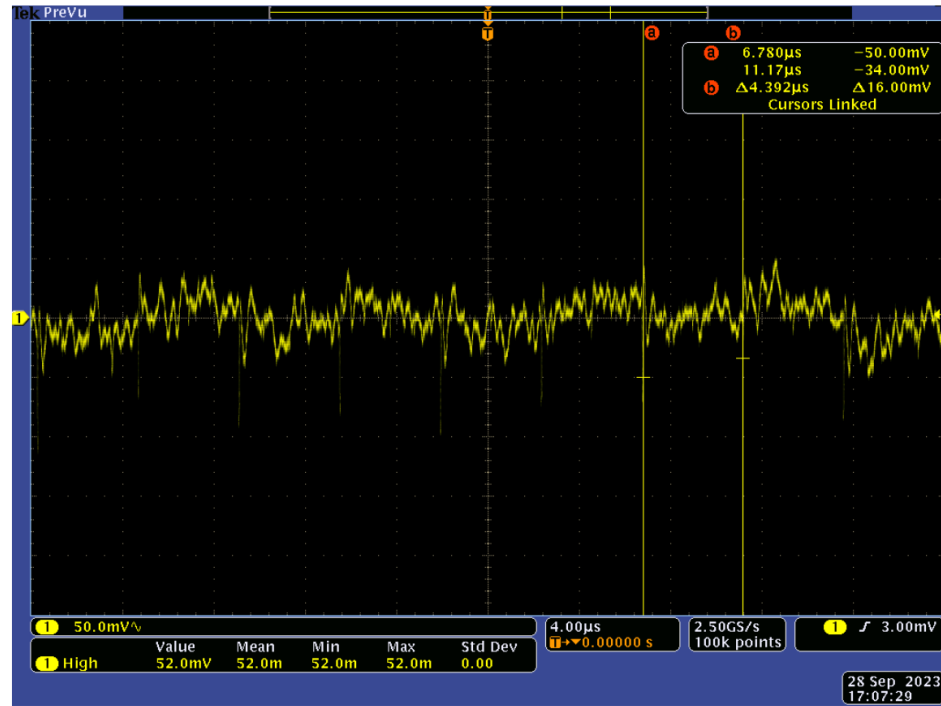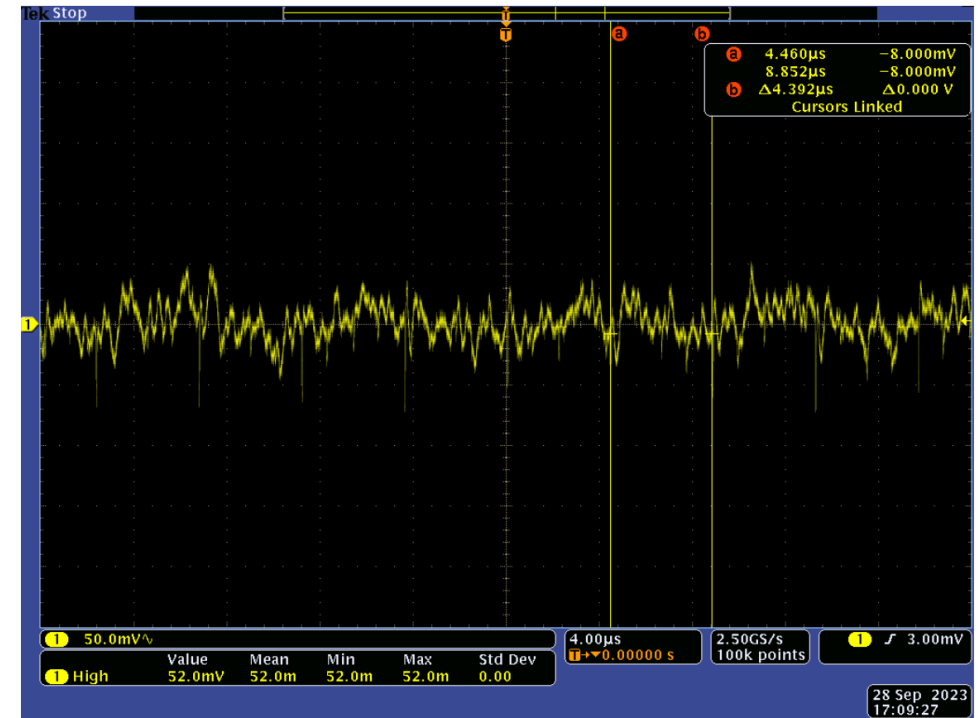| Device	Chan	Rf	Rin	Vout (uV) Board 4 3458a
OPA187	1	0	0	+0.33
OPA187	1	100k	0	-1.5
OPA187	1	0	100k	-2.8
OPA187	1	100k	100k	-3.1
OPA187	2	0	0	-2.2
OPA187	2	1M	0	+20.7
OPA187	2	0	1M	+14.5
OPA187	2	1M	1M	+49.2

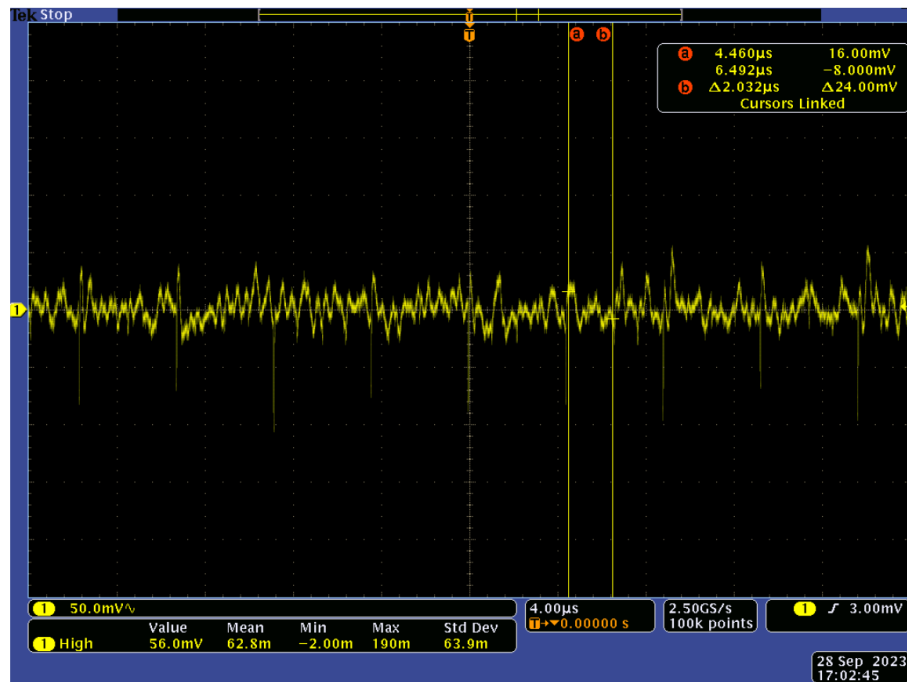# OPA187, BRD 4. CH 1 100k
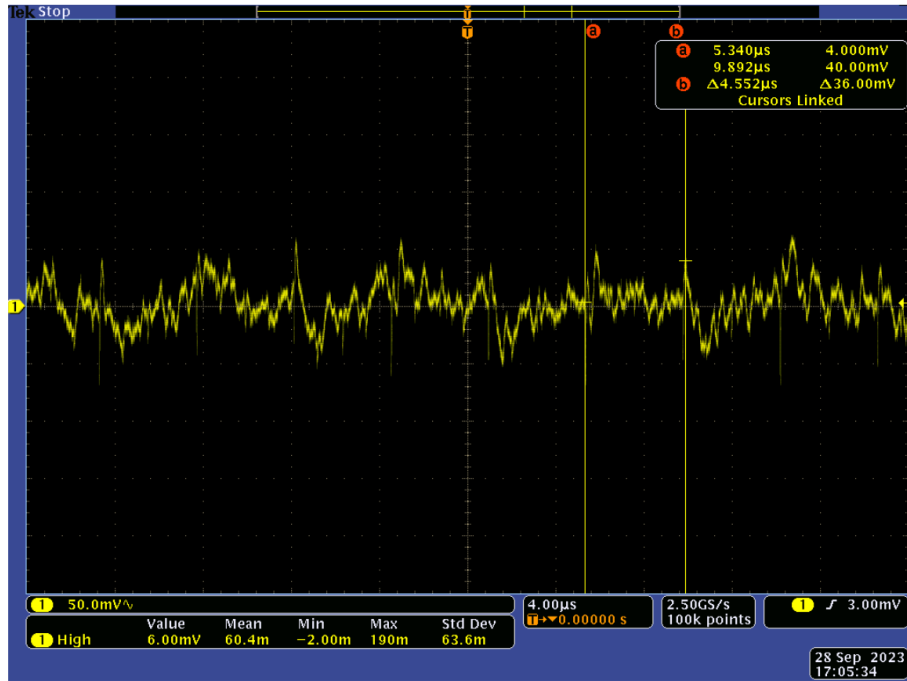
OPA187, Rf=100k, Rin=0, ch1, brd s4

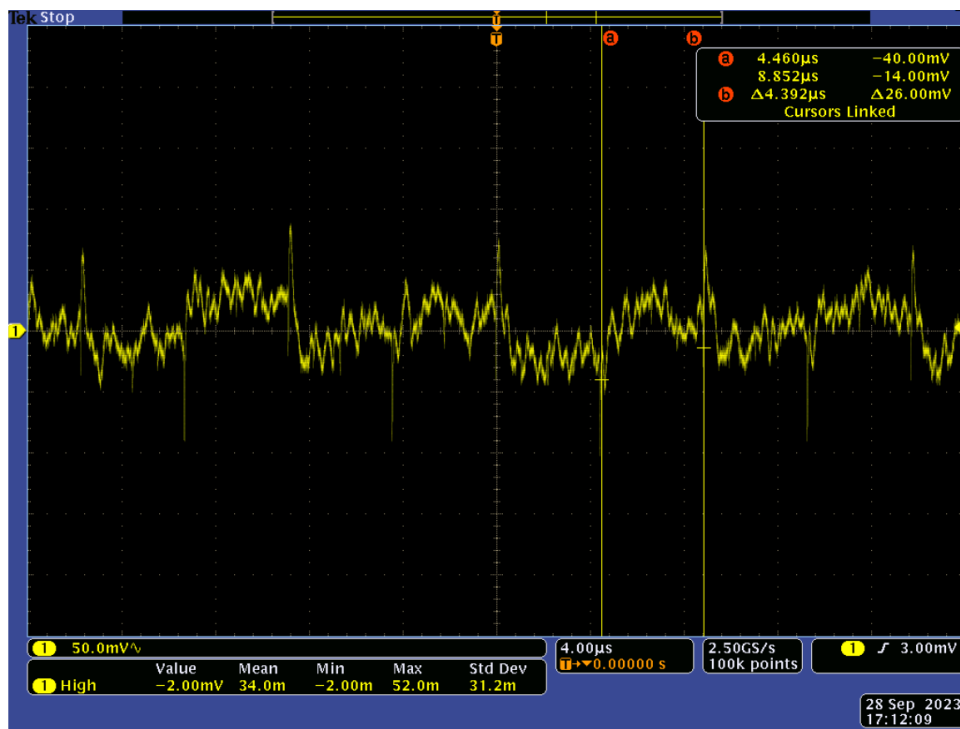

opa187, Rf=0, Rin=100k, ch 1, brd 4

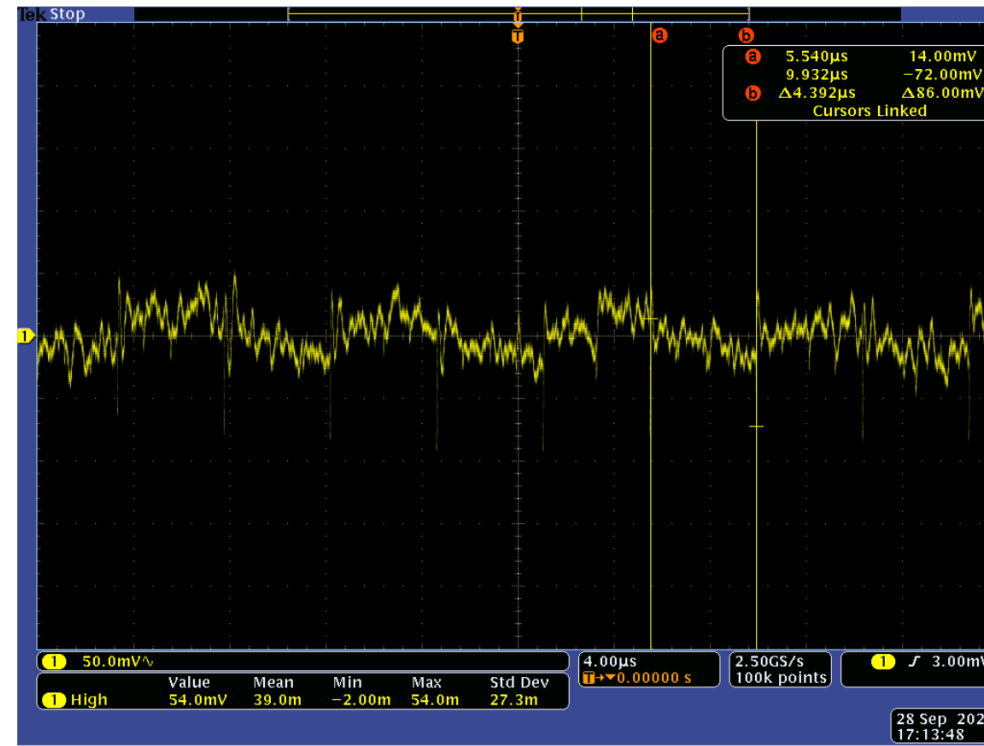opa187, Rin=Rg=100k, Brd 4, Ch 1
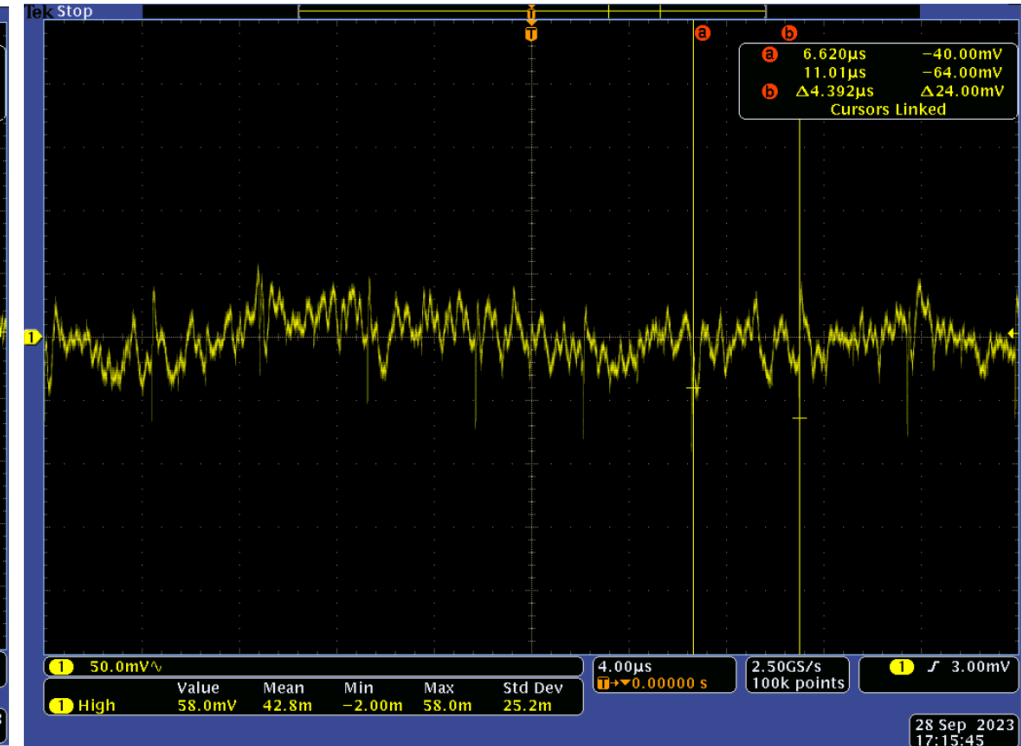

opa187, Rf=Rin=0, CH 1, BRD 4

OPA187, Brd 4 ch2 1M

opa187, Rf=1M, Rin=0, Brd 4, Ch 2

opa187, Rf=0, Rin=1M, Brd 4 ch 2

opa187, Rf=Rin=1M, Brd 4, Ch 2