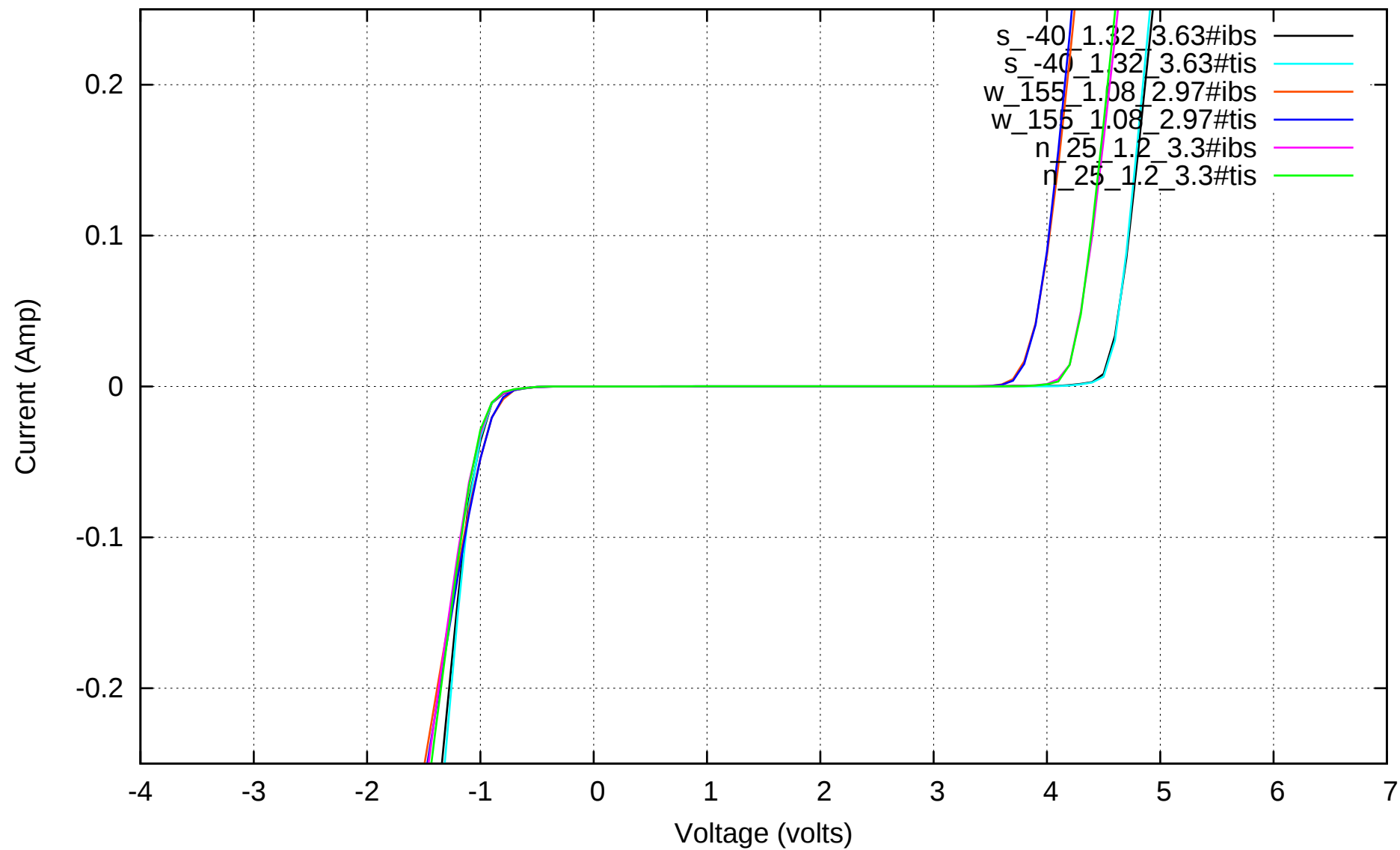
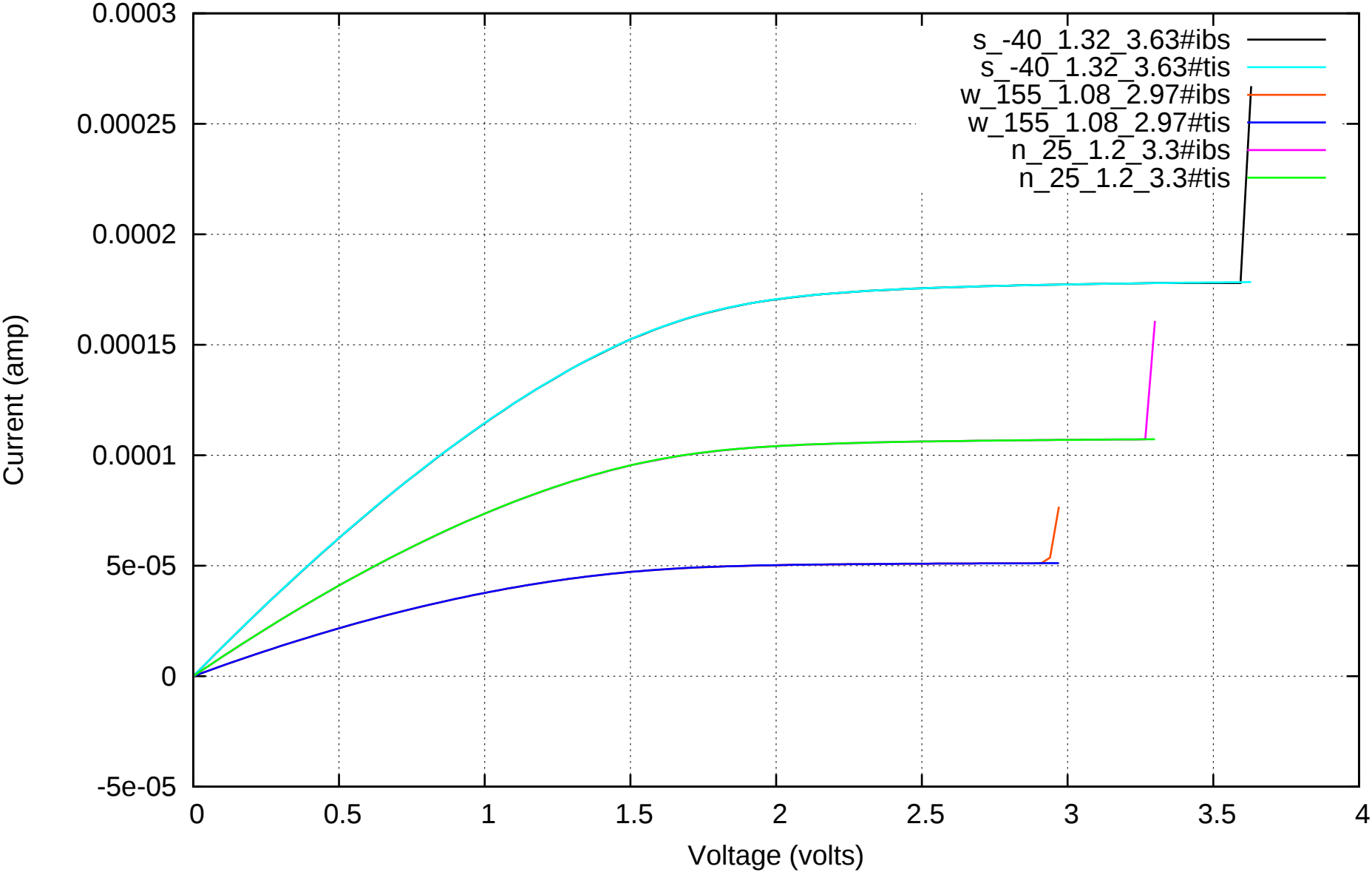


Current at PAD (captured for -250mA to
250mA) for Voltage sweep at PAD
[IBIS model in Z state, Receiver mode] (Model WK_PD_ON_3P3)
[Testcase 3]

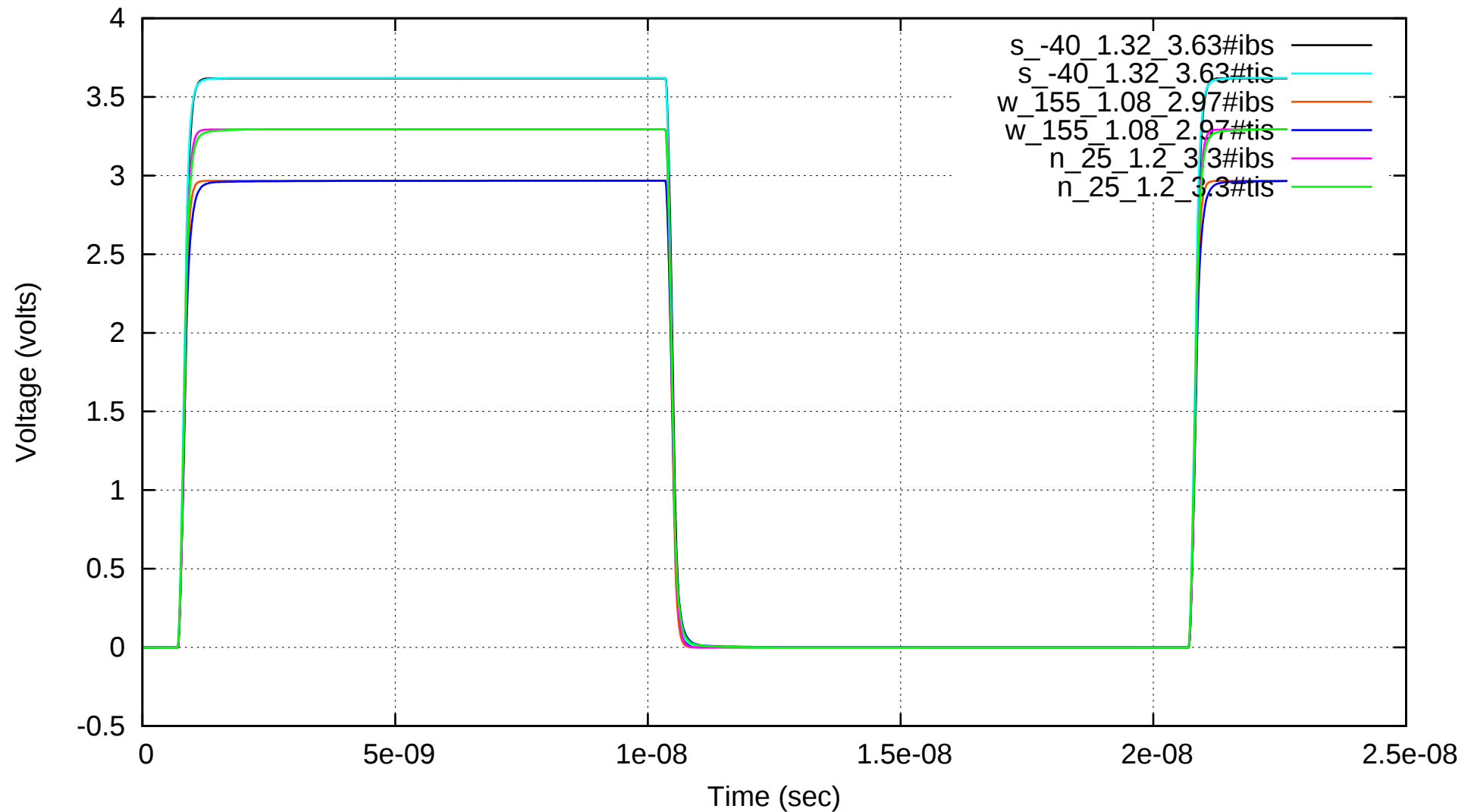


Current at PAD for voltage sweep at PAD
model WK_PD_ON_3P3 in Z state (Weak pull-down ON)

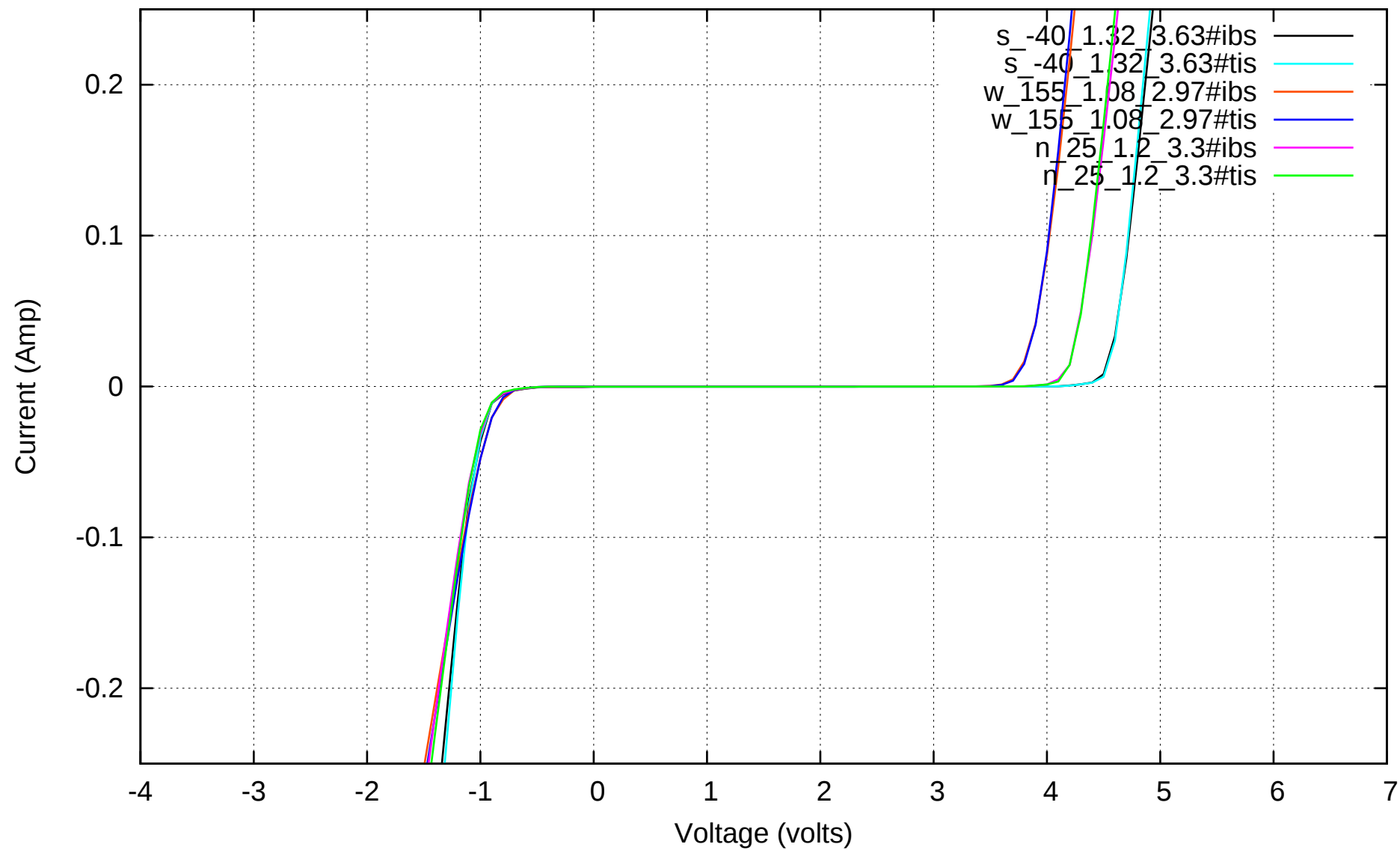


PAD waveform for model connected to
transmission line and driven by voltage source
with source impedance. IBIS model is in receive mode.

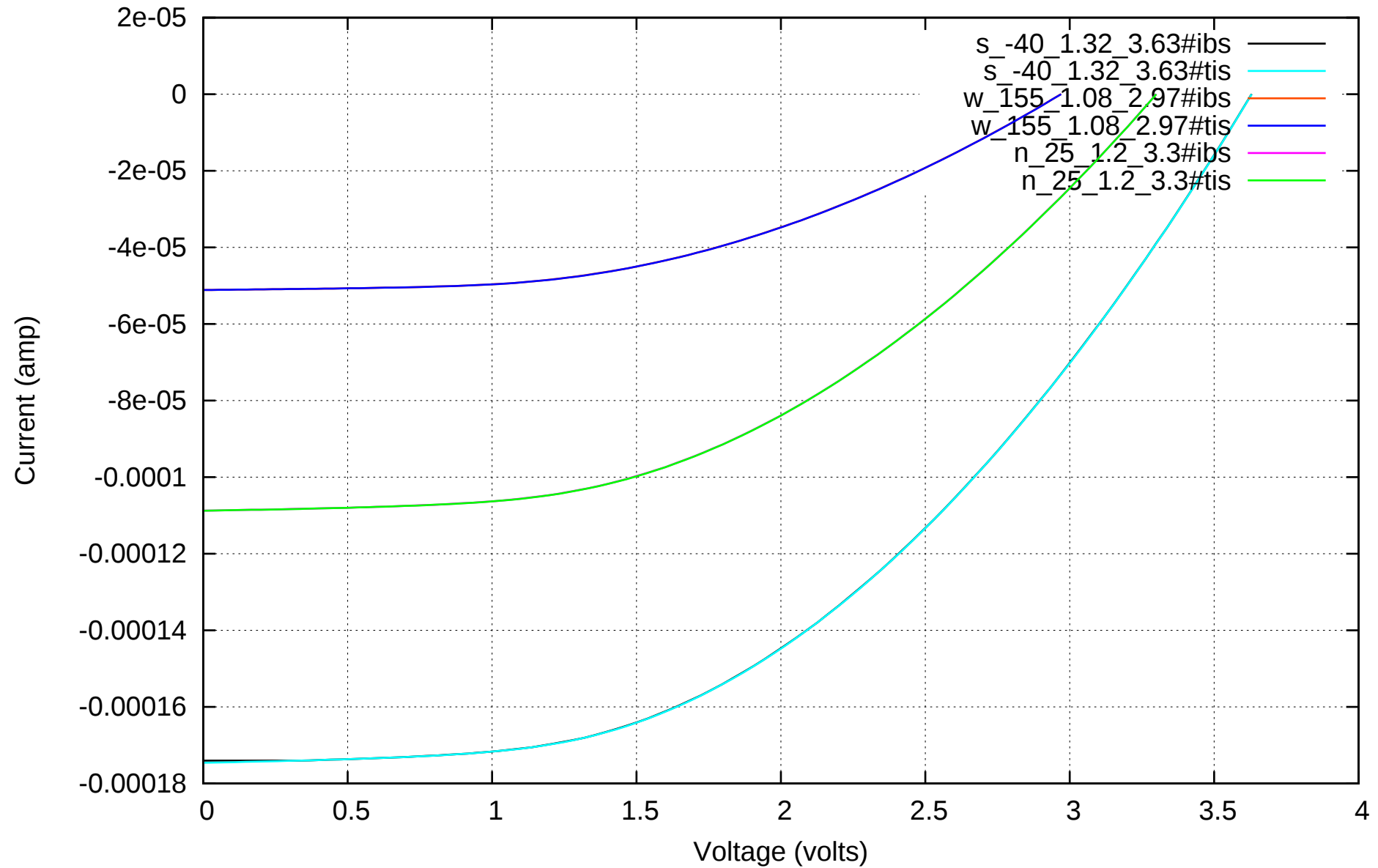
Rsource = ,
Tline_Delay = 0.35NS, Tline_Z0 = 50 (Model WK_PD_ON_3P3)
[Testcase 8]



Current at PAD (captured for -250mA to
250mA) for Voltage sweep at PAD
[IBIS model in Z state, Receiver mode] (Model WK_PU_ON_3P3)
[Testcase 3]

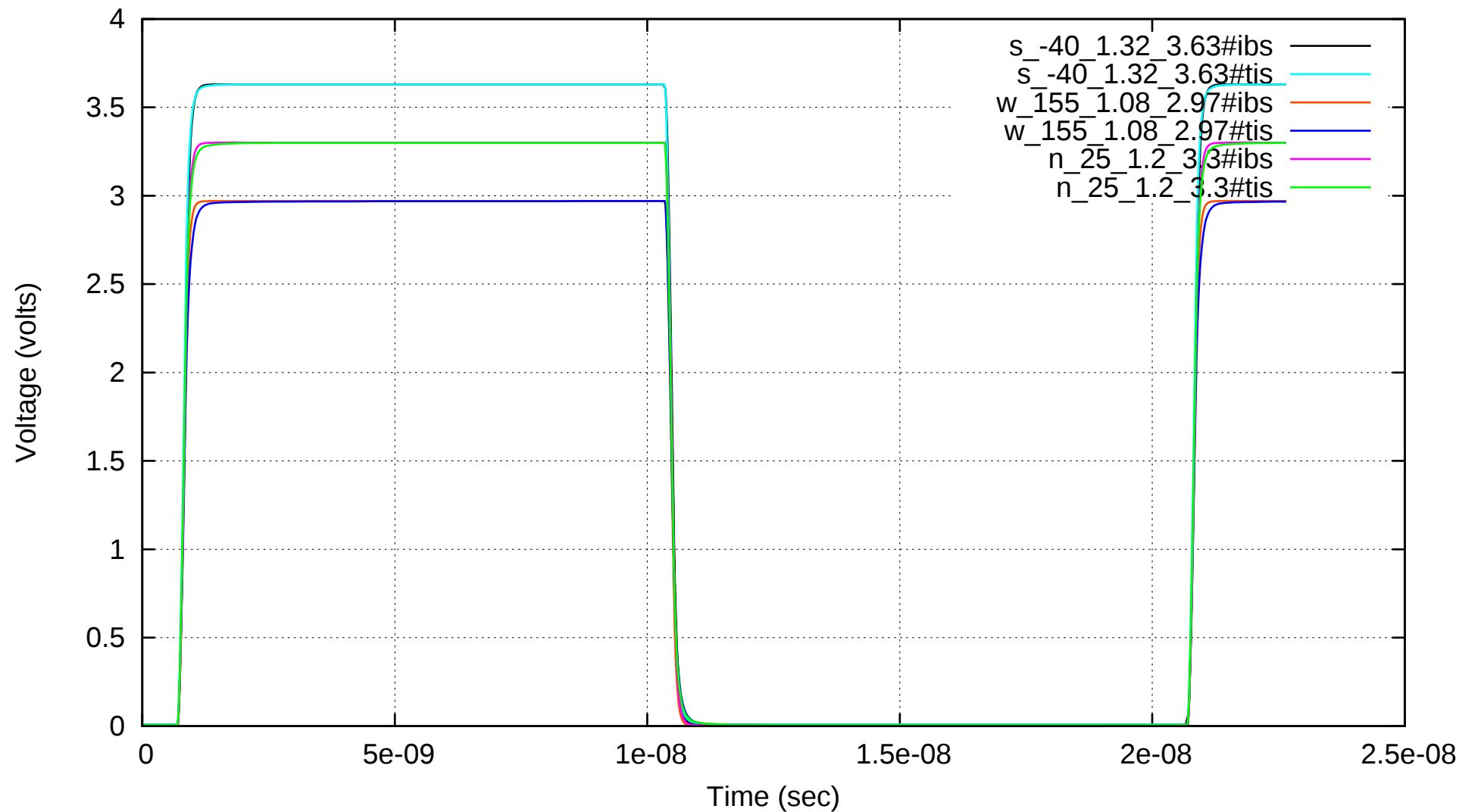


Current at PAD for voltage sweep at PAD
model WK_PU_ON_3P3 in Z state (Weak pull-up ON)

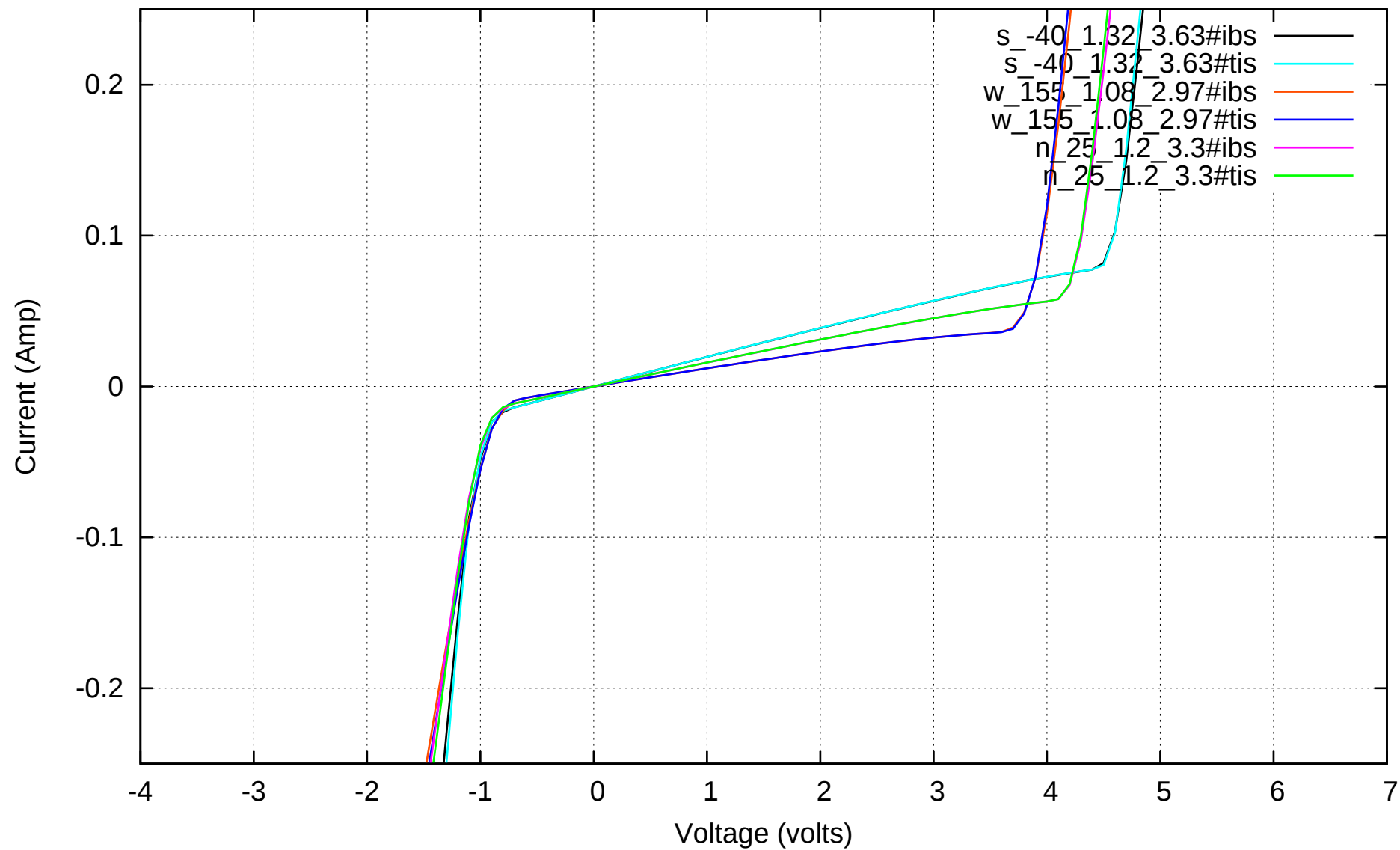


PAD waveform for model connected to
transmission line and driven by voltage source
with source impedance. IBIS model is in receive mode.

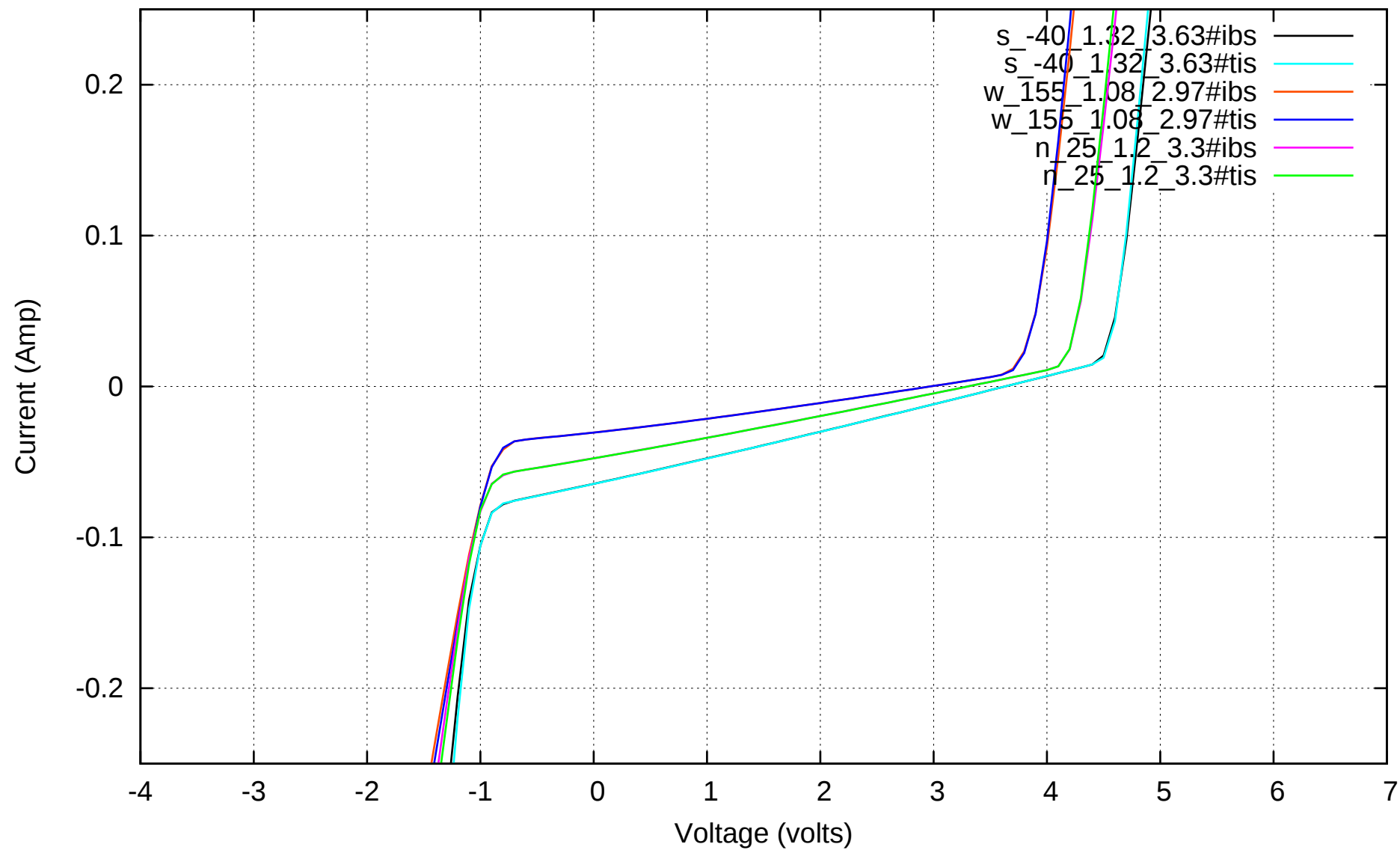
Rsource = ,
Tline_Delay = 0.35NS, Tline_Z0 = 50 (Model WK_PU_ON_3P3)
[Testcase 8]



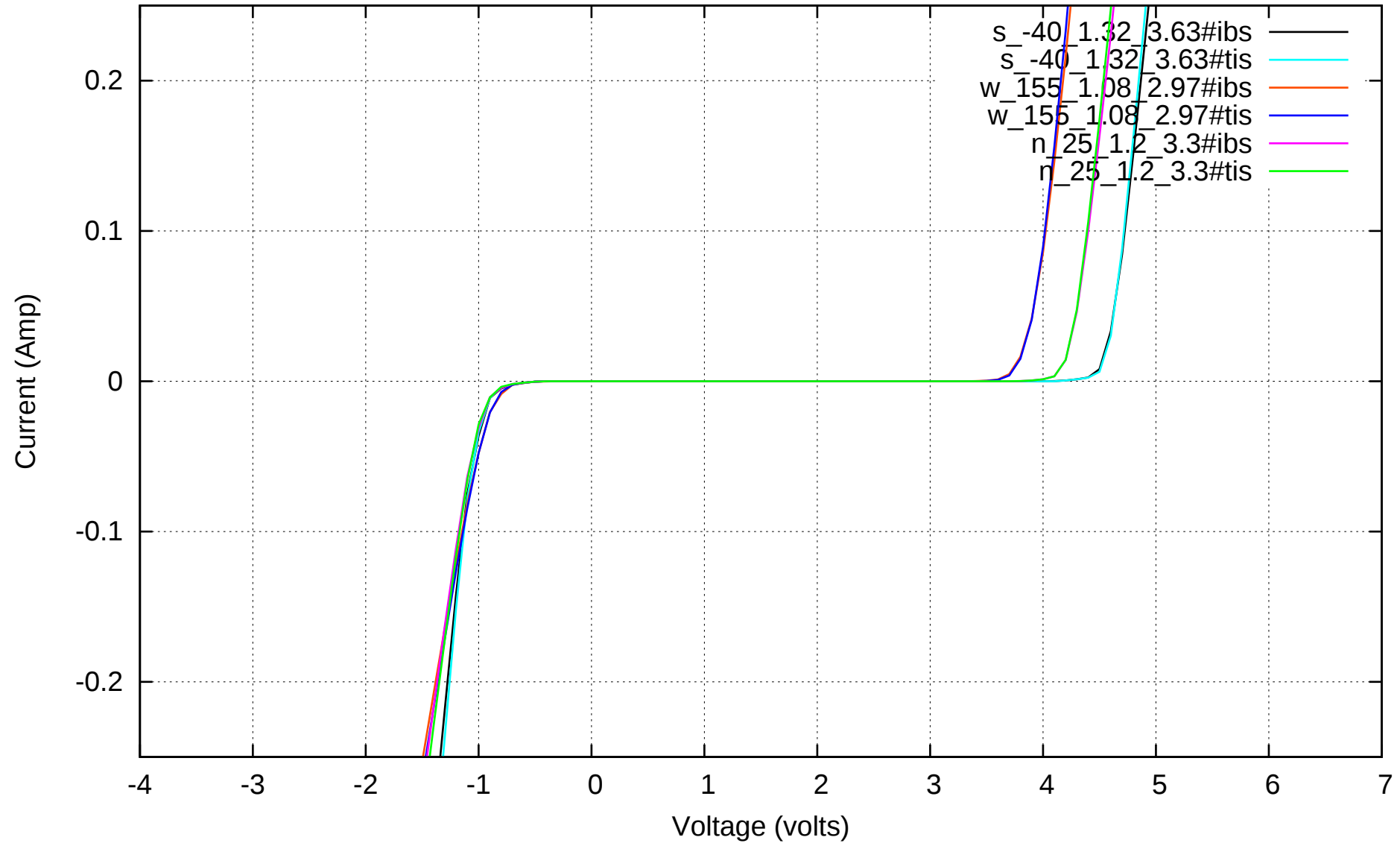
Current at PAD (captured for -250mA to
250mA) for Voltage sweep at PAD
[IBIS model driving 0] (Model DRIVER_MODE_3P3)
[Testcase 1]



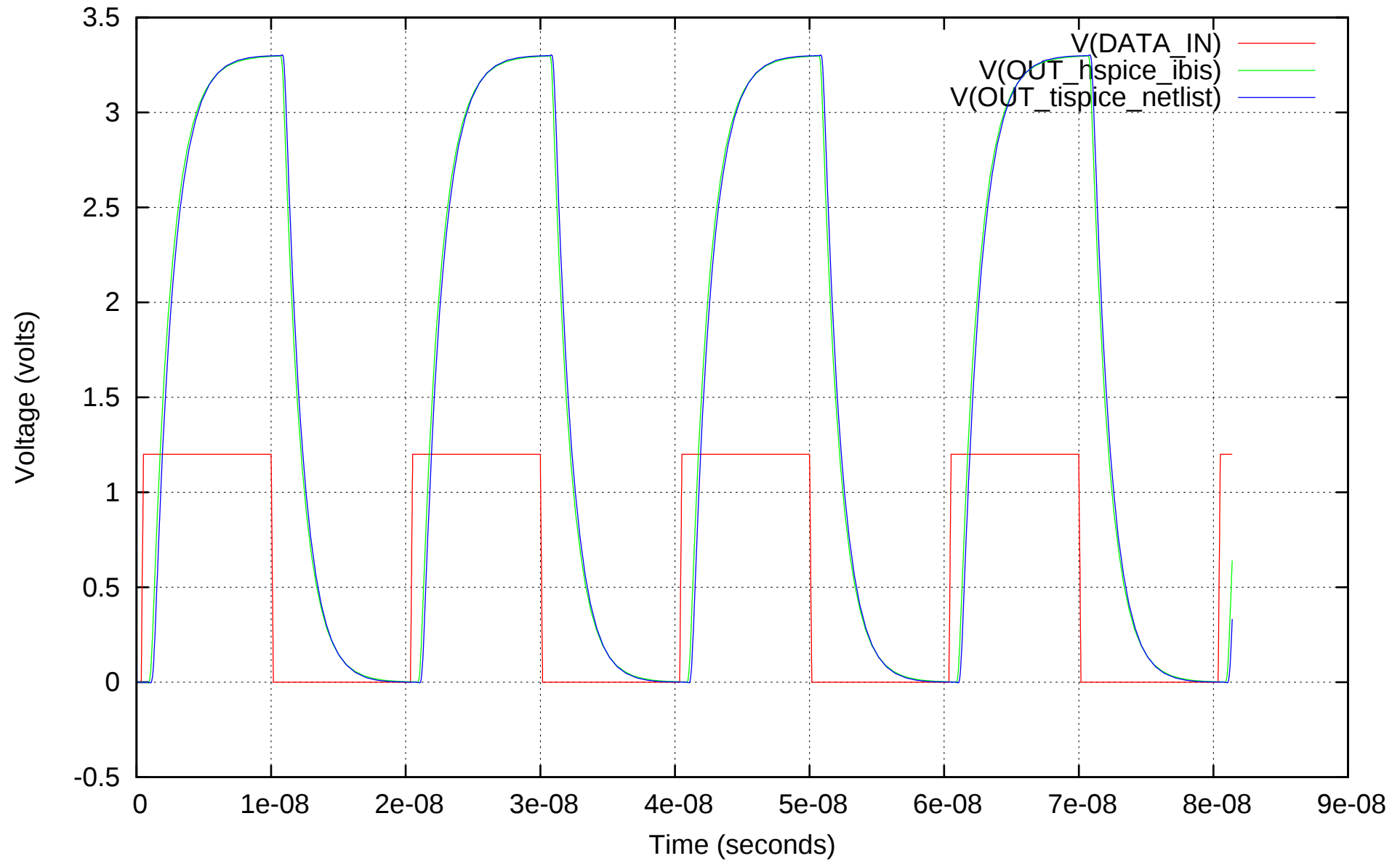
Current at PAD (captured for -250mA to
250mA) for Voltage sweep at PAD
[IBIS model driving 1] (Model DRIVER_MODE_3P3)
[Testcase 2]



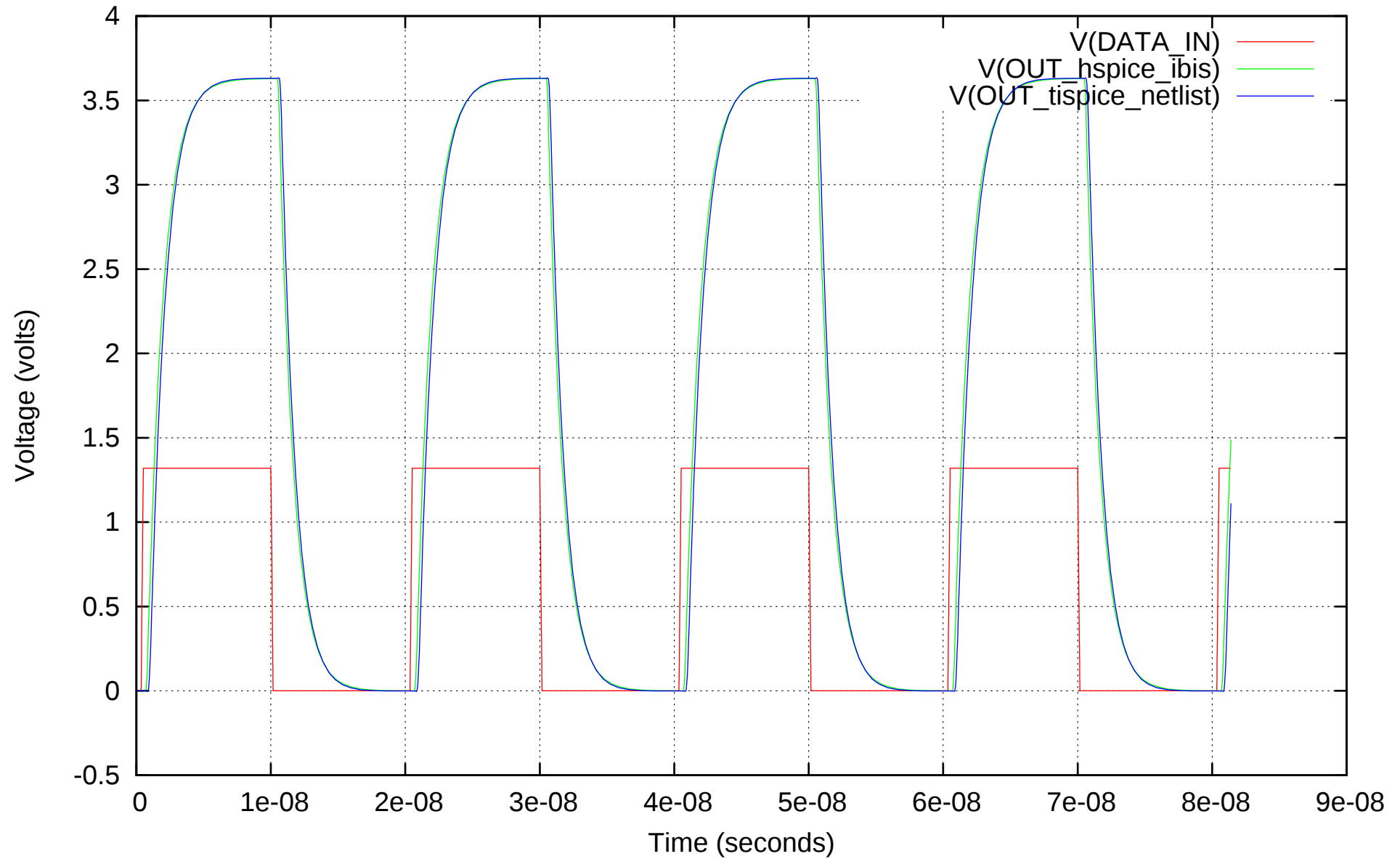
Current at PAD (captured for -250mA to
250mA) for Voltage sweep at PAD
[IBIS model in Z state, Receiver mode] (Model DRIVER_MODE_3P3)
[Testcase 3]



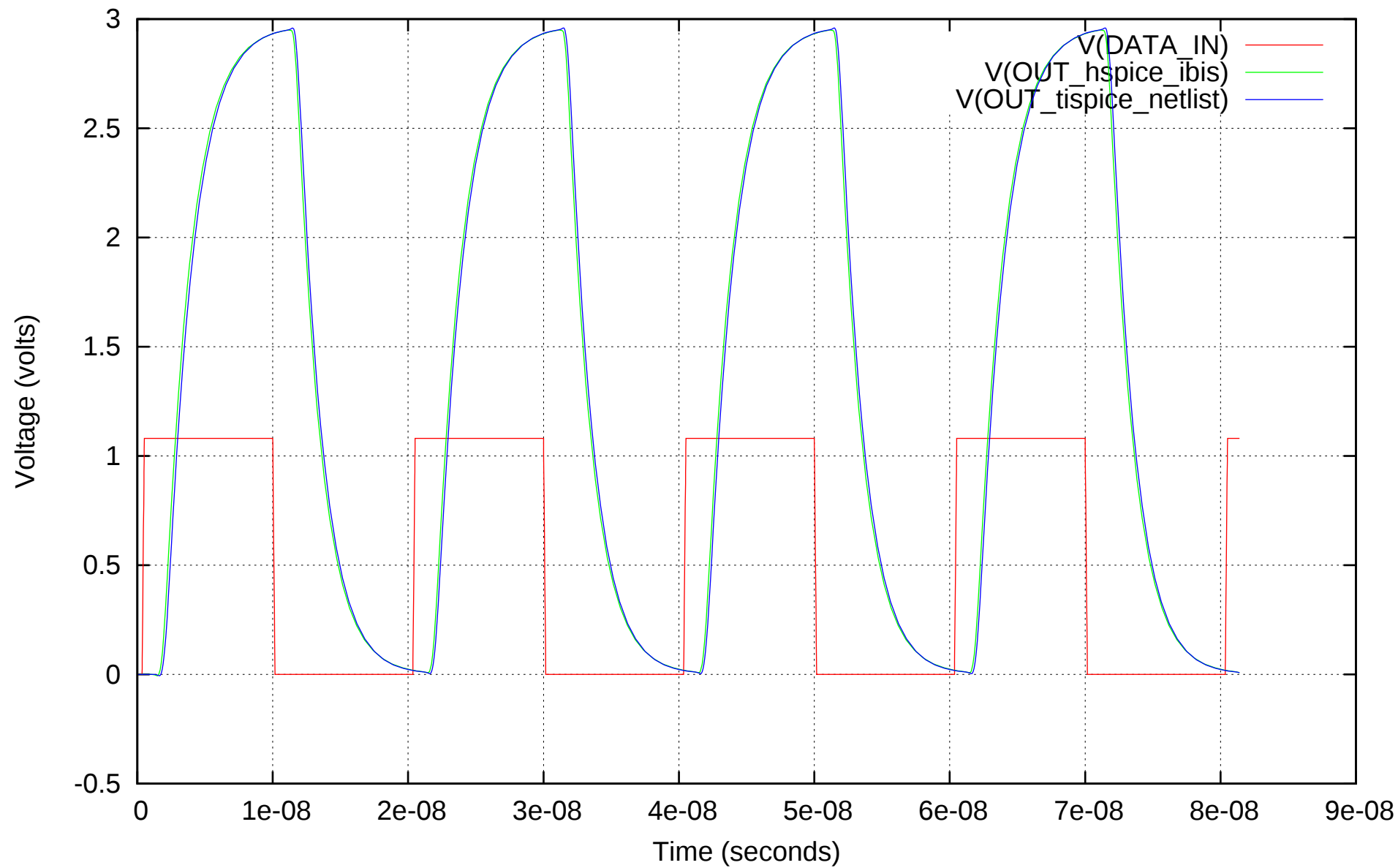
A few pulses applied to the model
DRIVER_MODE_3P3, ptv = n_25_1.2_3.3
Cload = 20pF



A few pulses applied to the model
DRIVER_MODE_3P3, p_{tv} = s_{-40_1.32_3.63}
C_{load} = 20pF

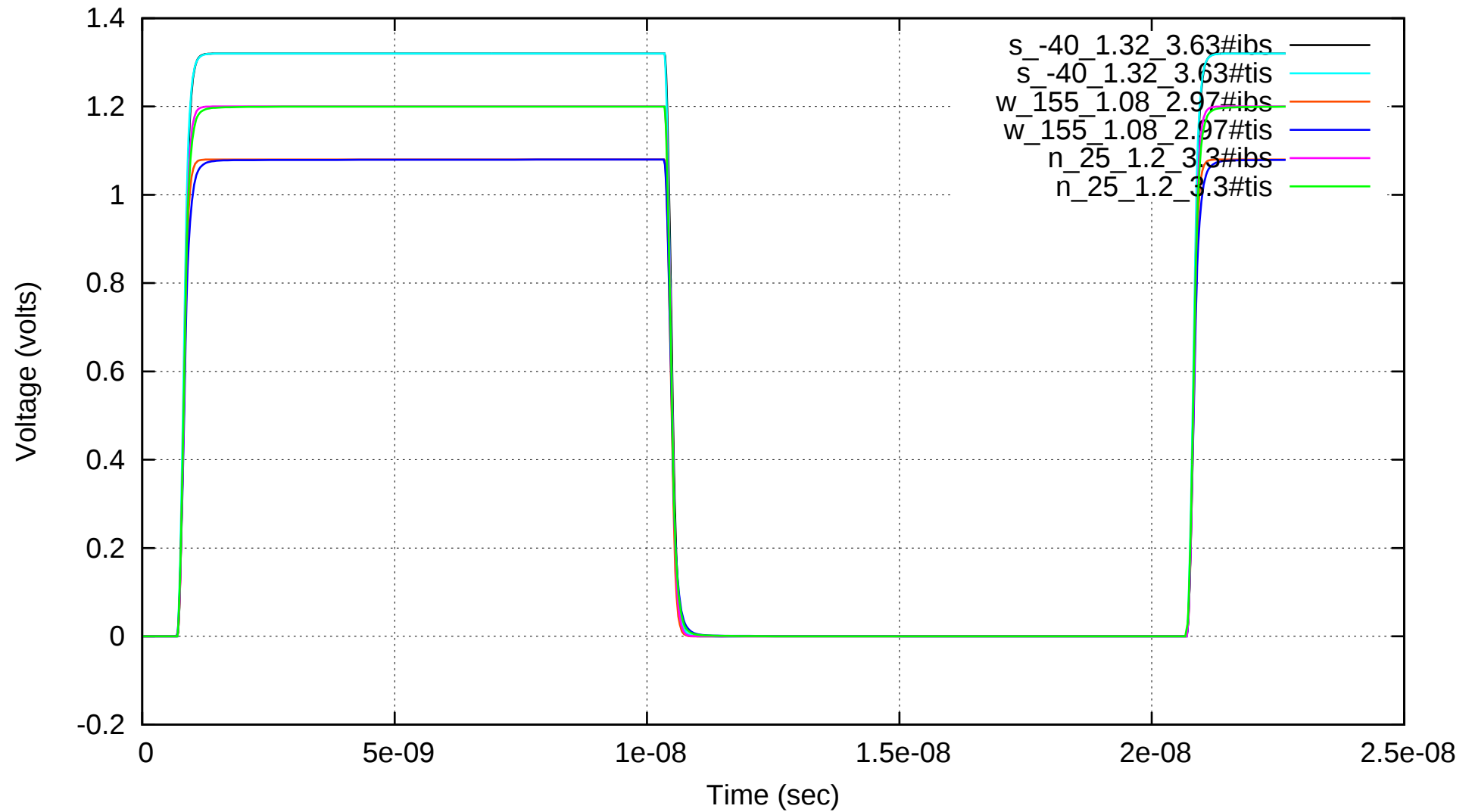


A few pulses applied to the model
DRIVER_MODE_3P3, ptv = w_155_1.08_2.97
Cload = 20pF

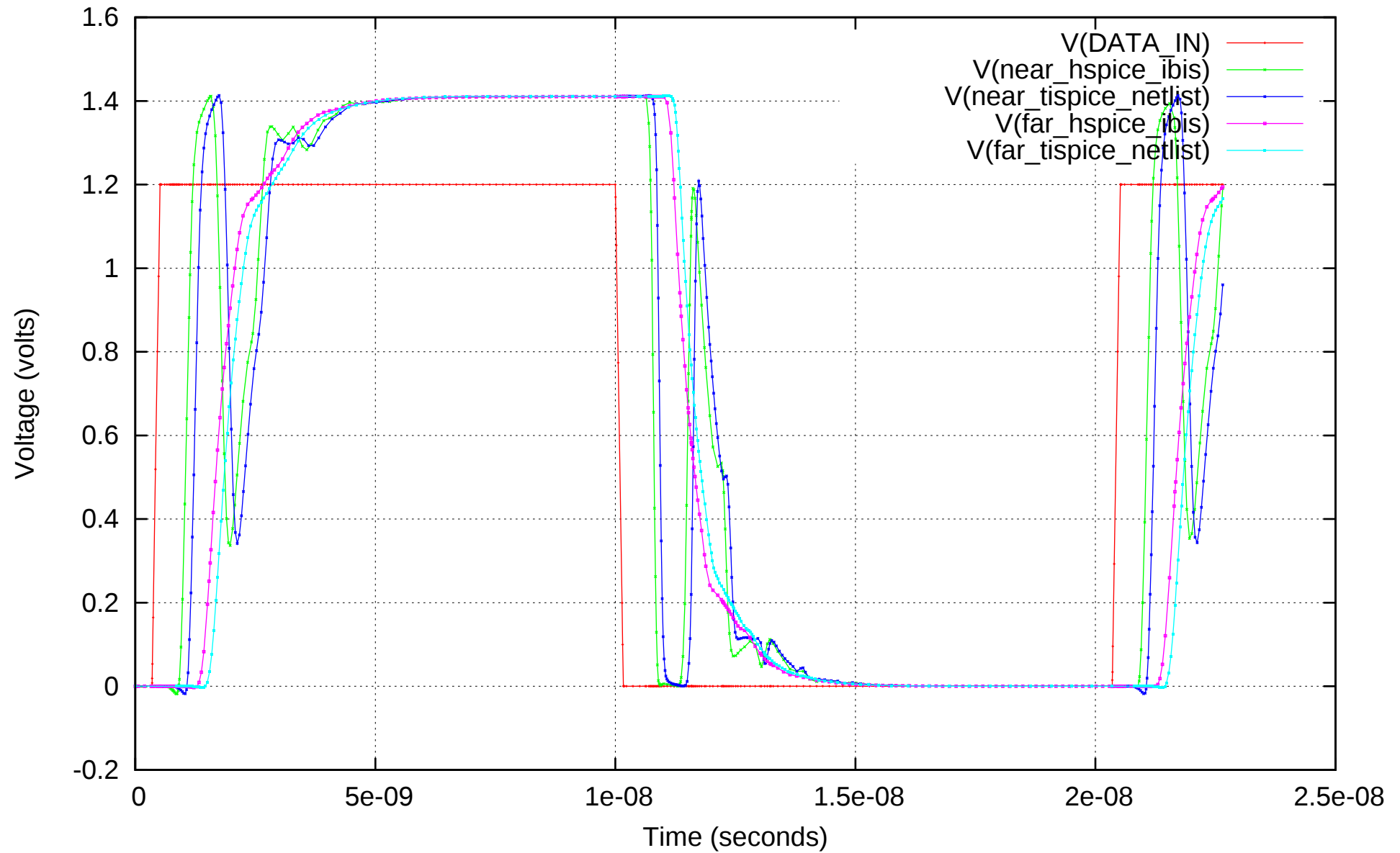


PAD waveform for model connected to
transmission line and driven by voltage source
with source impedance. IBIS model is in receive mode.

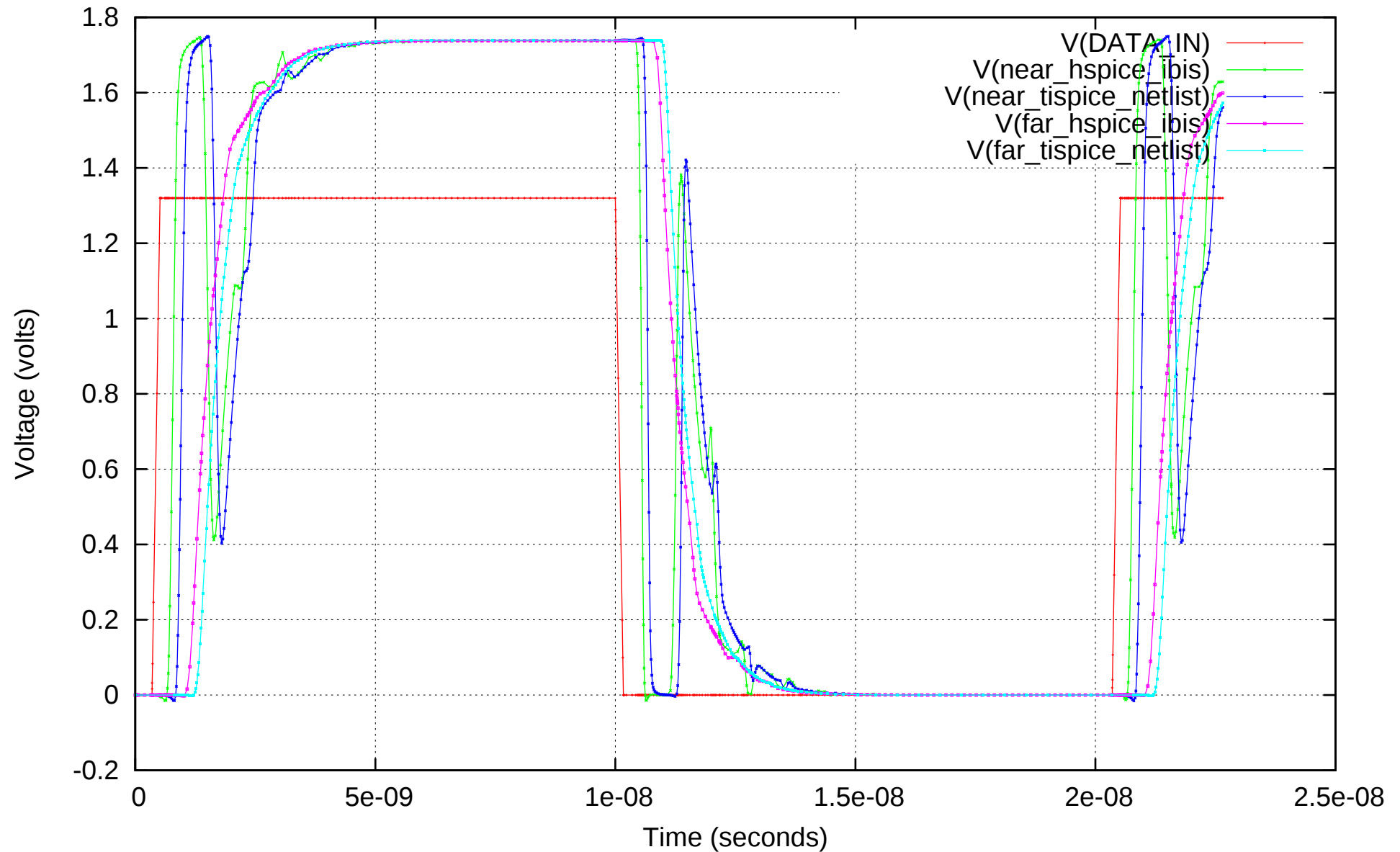
Rsource = ,
Tline_Delay = 0.35NS, Tline_Z0 = 50 (Model DRIVER_MODE_3P3)
[Testcase 8]



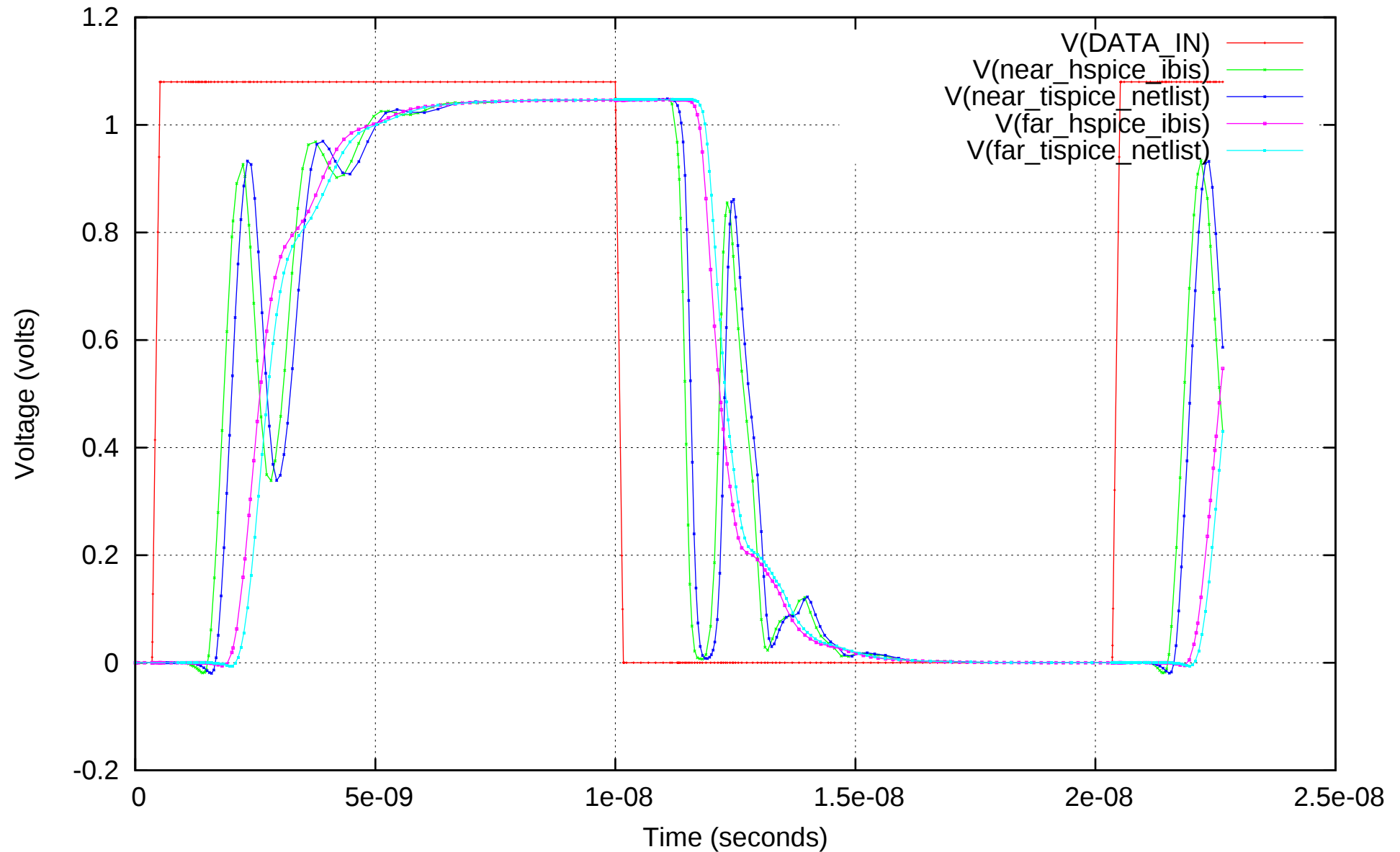
Model driving a transmission line, capacitive
load, resistor to ground for model DRIVER_MODE_3P3, PTV = n_25_1.2_3.3
.Clload = 20pF, Rterm = 50, Tline_delay = 0.35NS, Tline_Z0 = 50



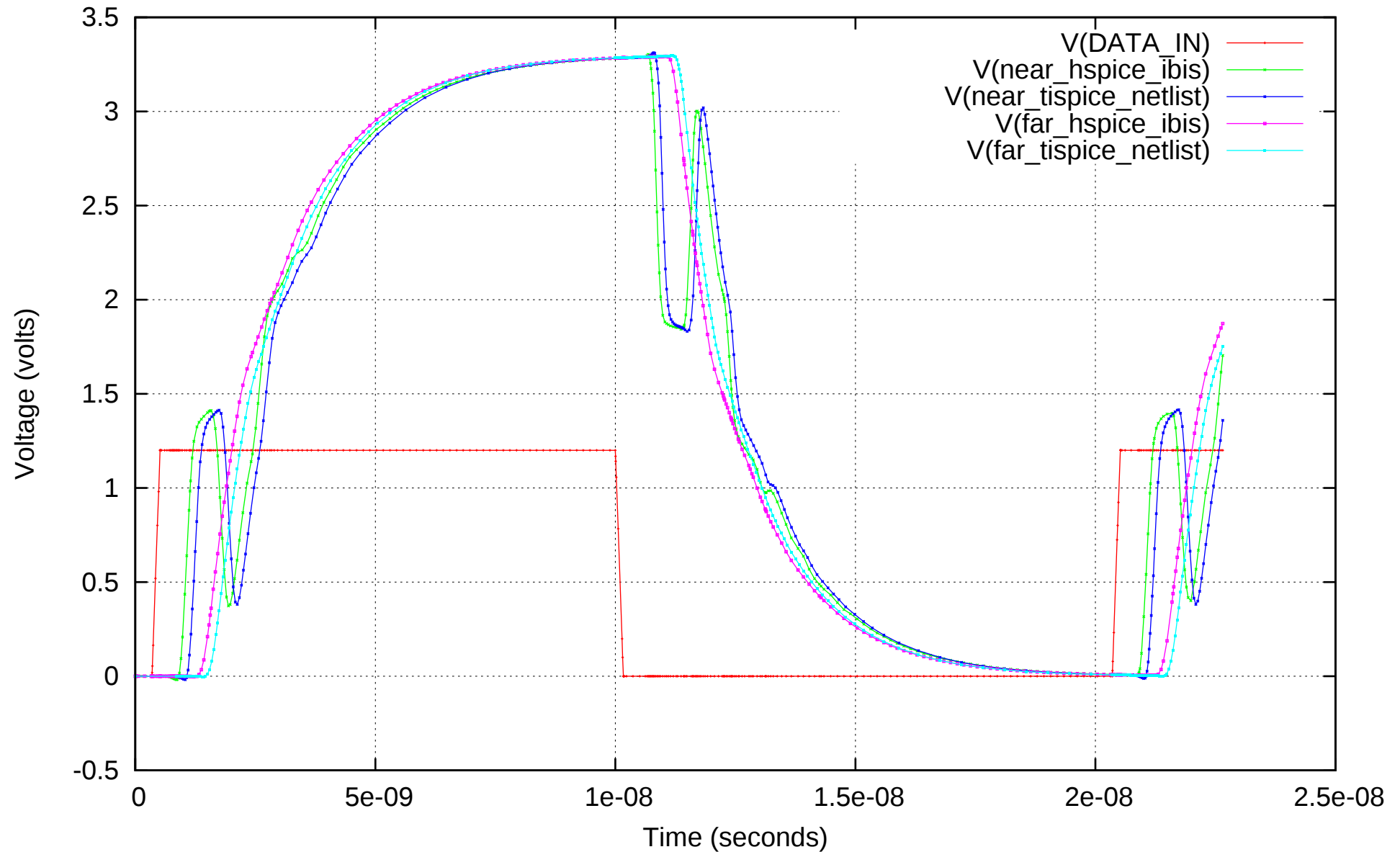
Model driving a transmission line, capacitive
load, resistor to ground for model DRIVER_MODE_3P3, PTV = s -40_1.32_3.63
.Clload = 20pF, Rterm = 50, Tline_delay = 0.35NS, Tline_Z0 = 50



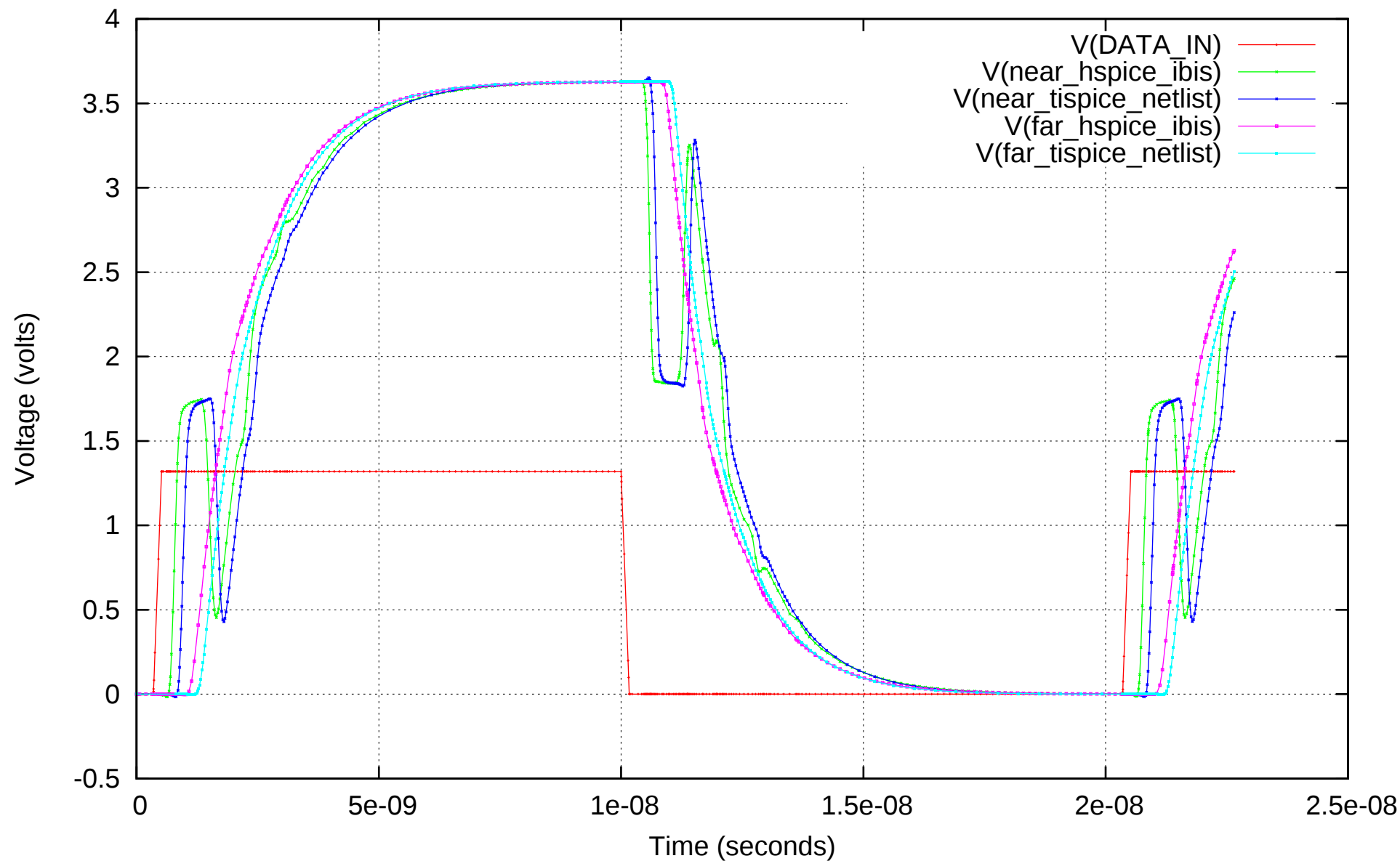
Model driving a transmission line, capacitive
load, resistor to ground for model DRIVER_MODE_3P3, PTV = w_155_1.08_2.97
.Load = 20pF, Rterm = 50, Tline_delay = 0.35NS, Tline_Z0 = 50



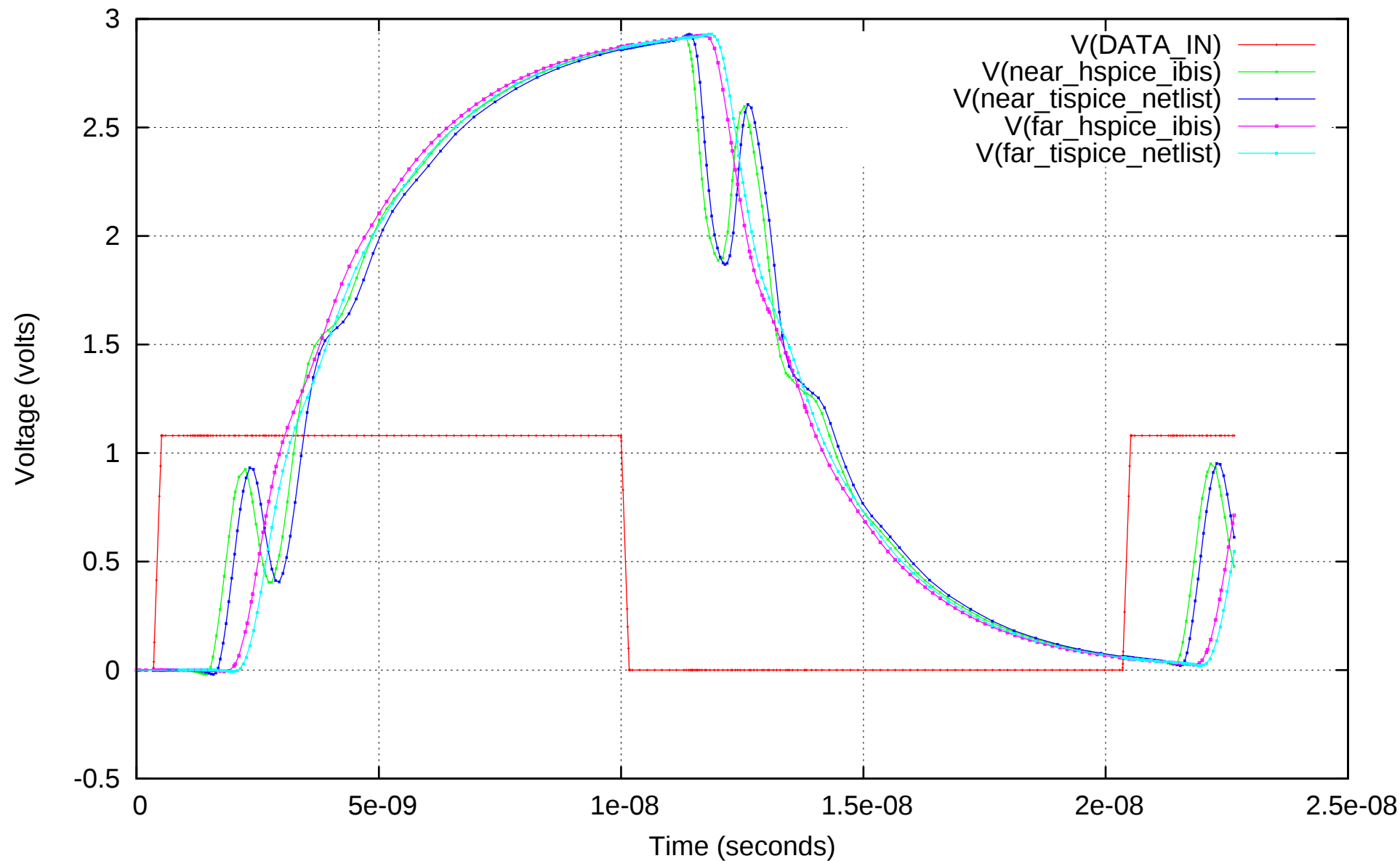
Model driving a transmission line, capacitive
load for model DRIVER_MODE_3P3, PTV = n_25_1.2_3.3
.Clload = 20pF, Tline_delay = 0.35NS, Tline_Z0 = 50



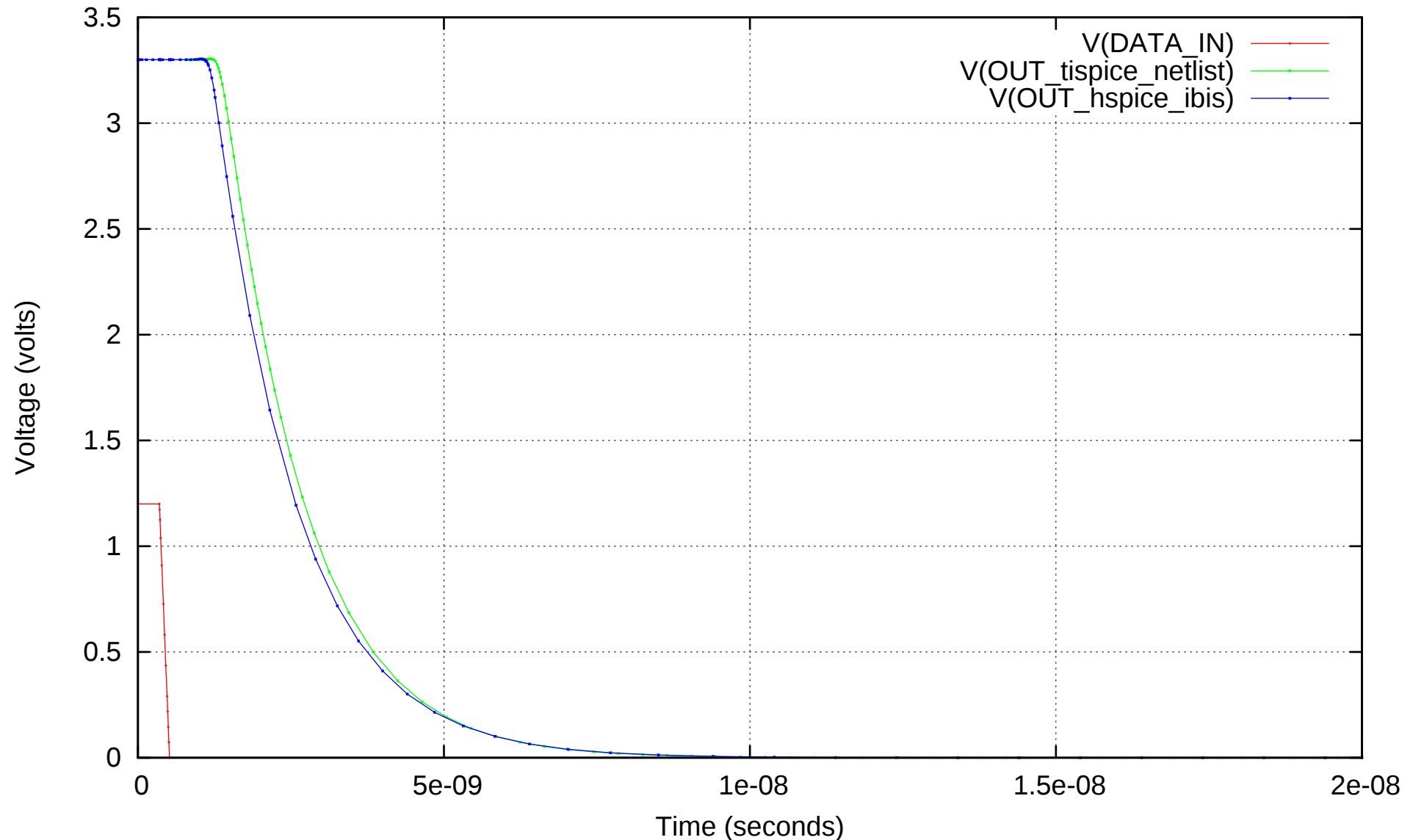
Model driving a transmission line, capacitive
load for model DRIVER_MODE_3P3, PTV = s_-40_1.32_3.63
.Clload = 20pF, Tline_delay = 0.35NS, Tline_Z0 = 50



Model driving a transmission line, capacitive
load for model DRIVER_MODE_3P3, PTV = w_155_1.08_2.97
.Clload = 20pF, Tline_delay = 0.35NS, Tline_Z0 = 50



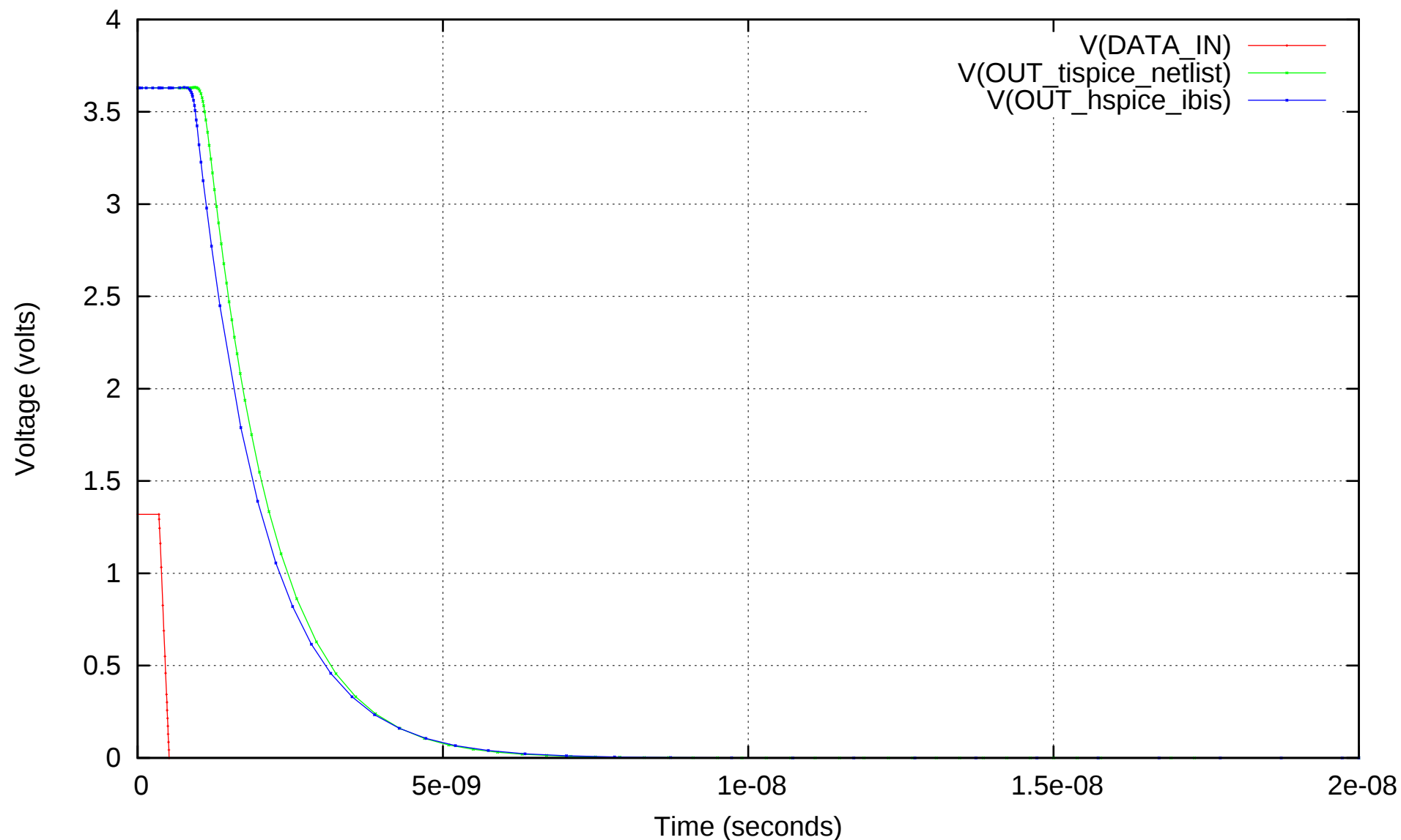
Falling waveform for model driving a lumped capacitive load
for Model DRIVER_MODE_3P3, PTV = n_25_1.2_3.3, Cload = 20pF [Testcase 4]



Delay (hspice ibis)= 01717PS
Delay (tispice netlist) = 01870PS

Fall time (hspice ibis) = 01872PS
Fall time (tispice netlist) = 01829PS

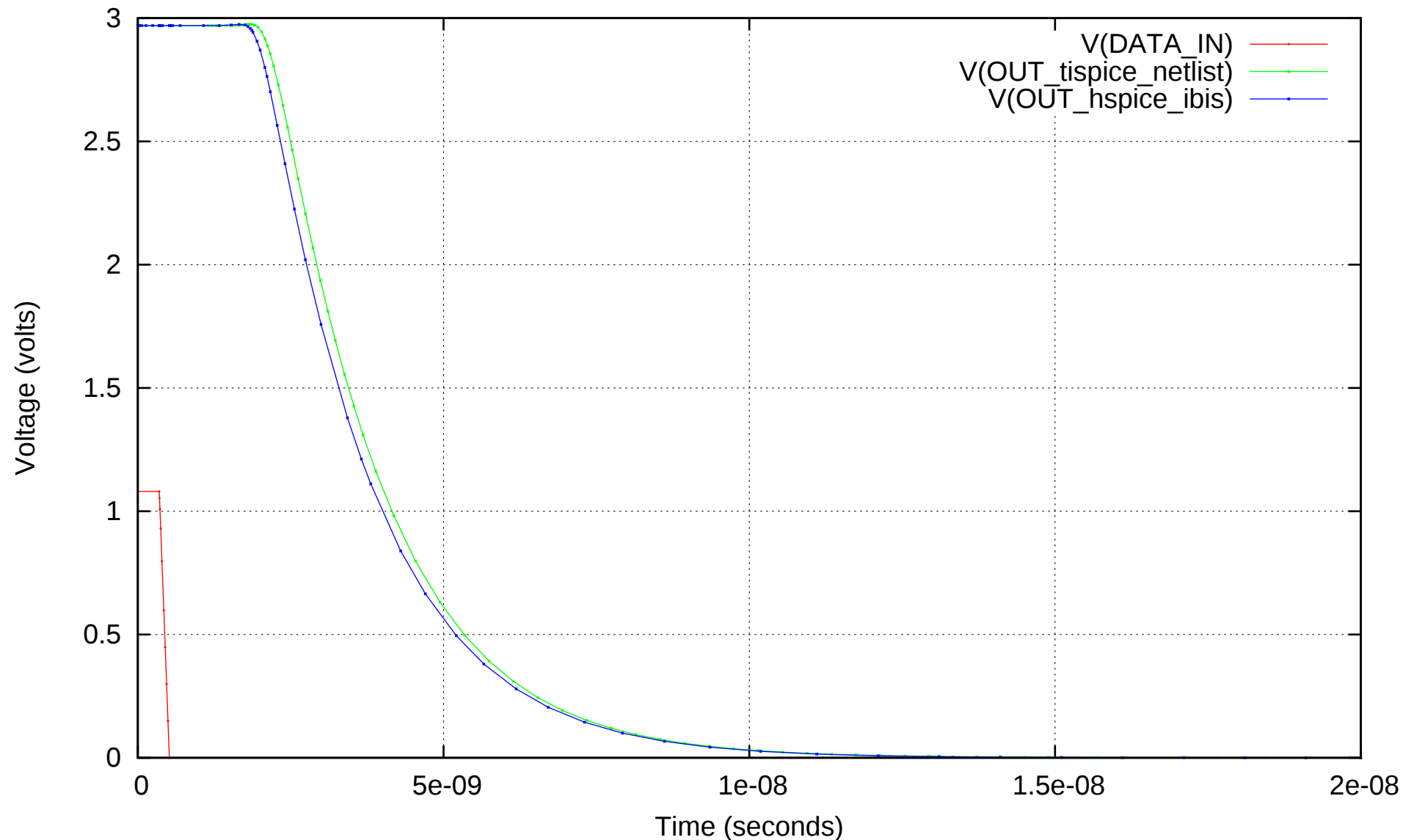
Falling waveform for model driving a lumped capacitive load
for Model DRIVER_MODE_3P3, PTV = s_-40_1.32_3.63, Cload = 20pF [Testcase 4]



Delay (hspice ibis)= 01245PS
Delay (tispice netlist) = 01396PS

Fall time (hspice ibis) = 01521PS
Fall time (tispice netlist) = 01469PS

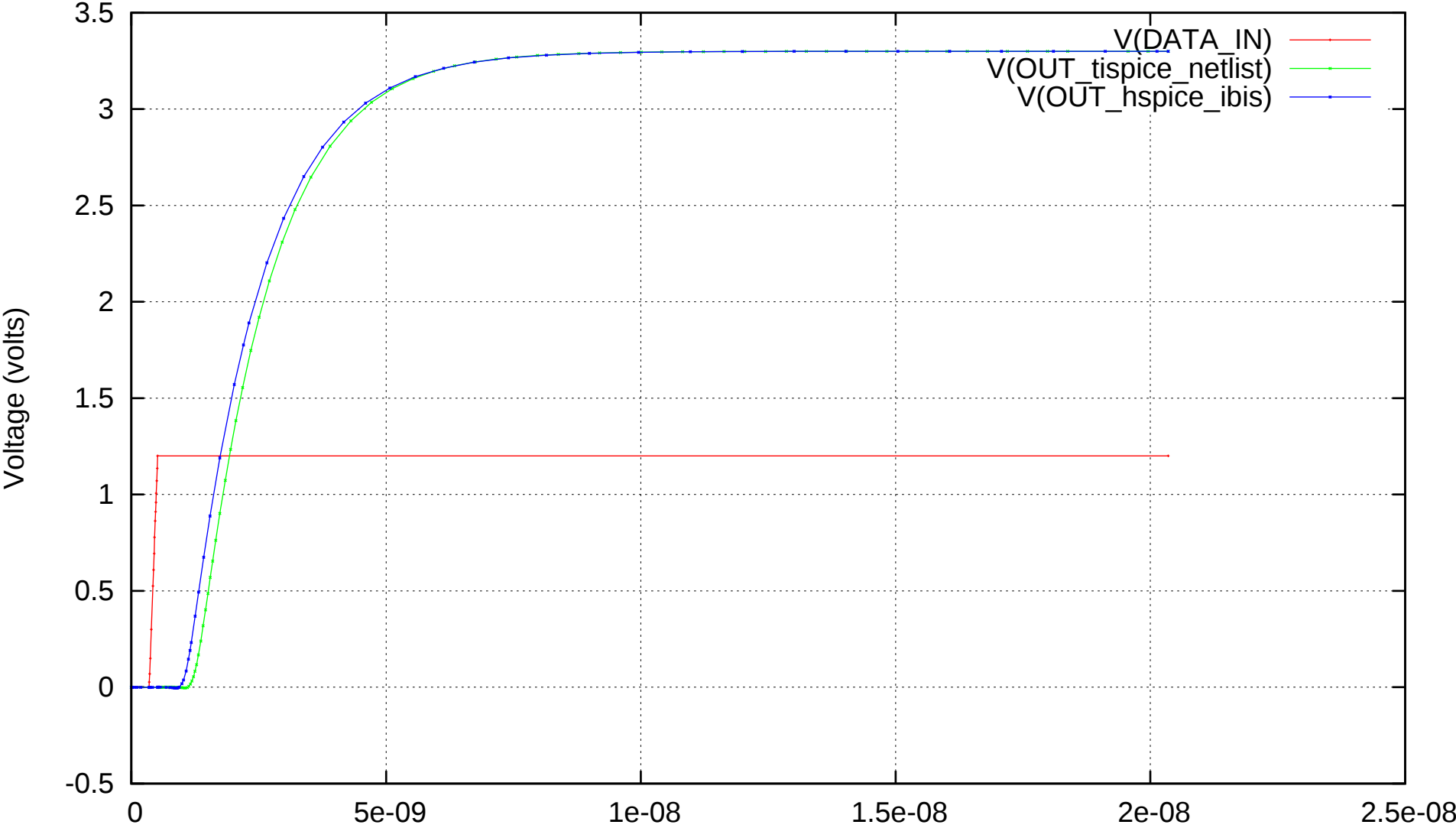
Falling waveform for model driving a lumped capacitive load
for Model DRIVER_MODE_3P3, PTV = w_155_1.08_2.97, Cload = 20pF [Testcase 4]



Delay (hspice ibis)= 02874PS
Delay (tispice netlist) = 03031PS

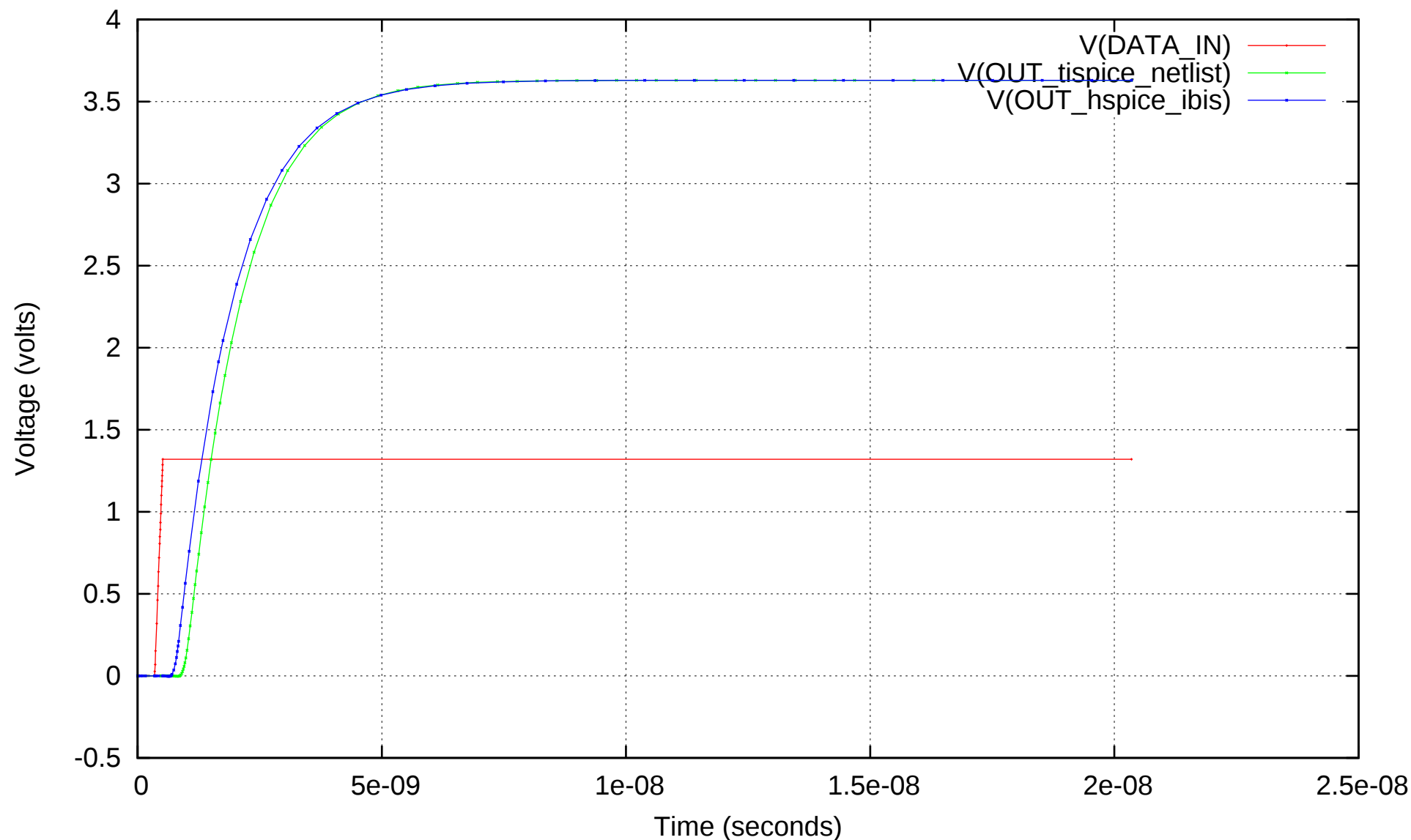
Fall time (hspice ibis) = 02478PS
Fall time (tispice netlist) = 02453PS

Rising waveform for model driving a lumped capacitive load
for Model DRIVER_MODE_3P3, PTV = n_25_1.2_3.3, Cload = 20pF [Testcase 4]



Delay (hspice ibis)= 01657PS Rise time (hspice ibis) = 01954PS
Delay (tispice netlist) = 01831PS Rise time (tispice netlist) = 01912PS

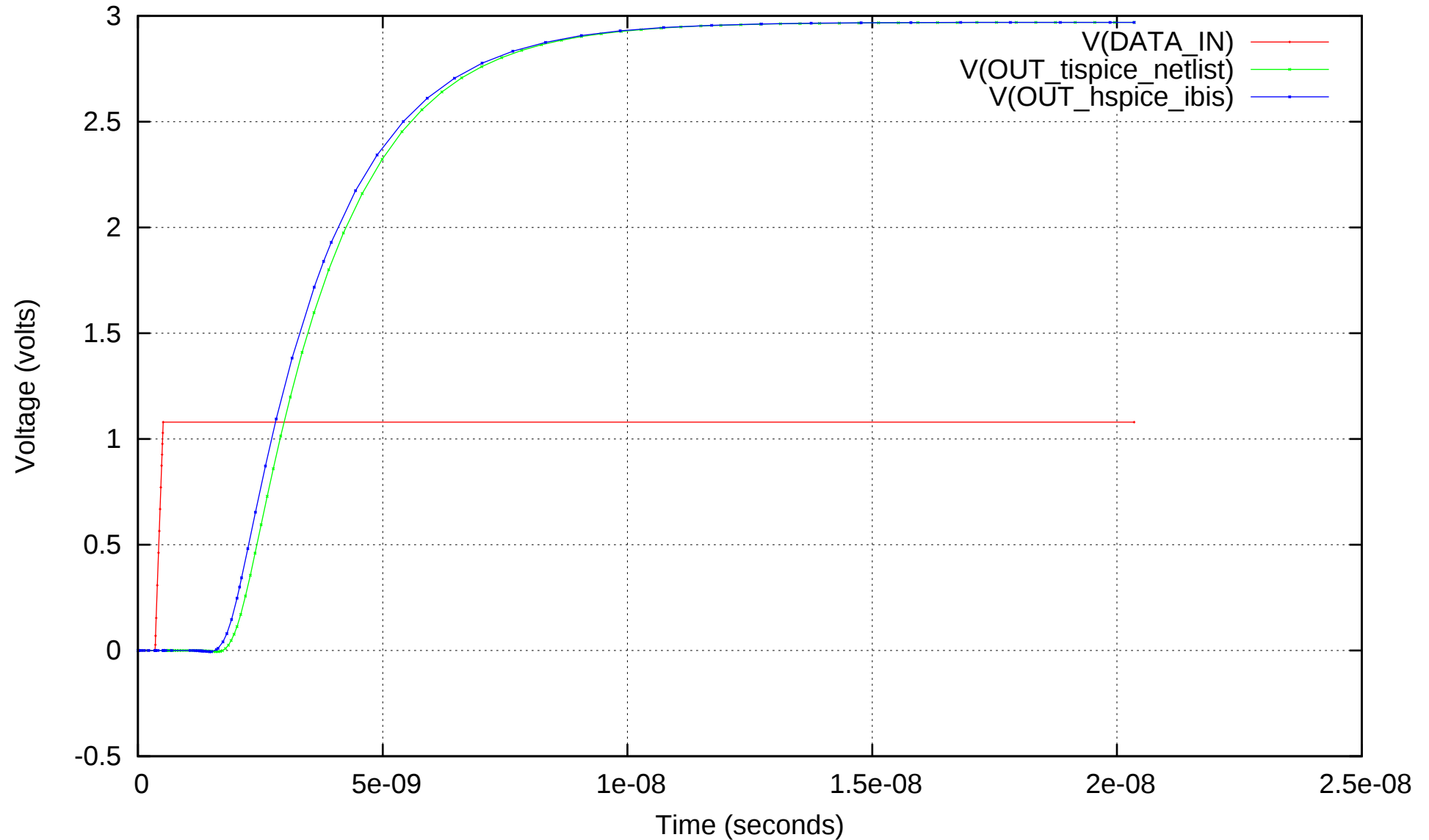
Rising waveform for model driving a lumped capacitive load
for Model DRIVER_MODE_3P3, PTV = s_-40_1.32_3.63, Cload = 20pF [Testcase 4]



Delay (hspice ibis) = 01159PS
Delay (tispice netlist) = 01345PS

Rise time (hspice ibis) = 01597PS
Rise time (tispice netlist) = 01543PS

Rising waveform for model driving a lumped capacitive load
for Model DRIVER_MODE_3P3, PTV = w_155_1.08_2.97, Cload = 20pF [Testcase 4]



Delay (hspice ibis) = 02854PS Rise time (hspice ibis) = 02652PS
Delay (tispice netlist) = 03020PS Rise time (tispice netlist) = 02639PS