Experiment information (pg. 1 of 1)

Source	Description	Calc. type	X source	Cond. source
Couch 2022	450 K	outcome	plot	plot
Couch 2022	475 K	outcome	plot	plot
Couch 2022	500 K	outcome	plot	plot
Couch 2022	525 K	outcome	plot	plot
Couch 2022	550 K	outcome	plot	plot
Couch 2022	575 K	outcome	plot	plot
Couch 2022	low O2	outcome	plot	plot
Couch 2022	mid O2	outcome	plot	plot
Couch 2022	high O2	outcome	plot	plot
Moshammer 2016	Altered DME & O2	outcome	plot	plot

Mechanism information (pg. 1 of 1)

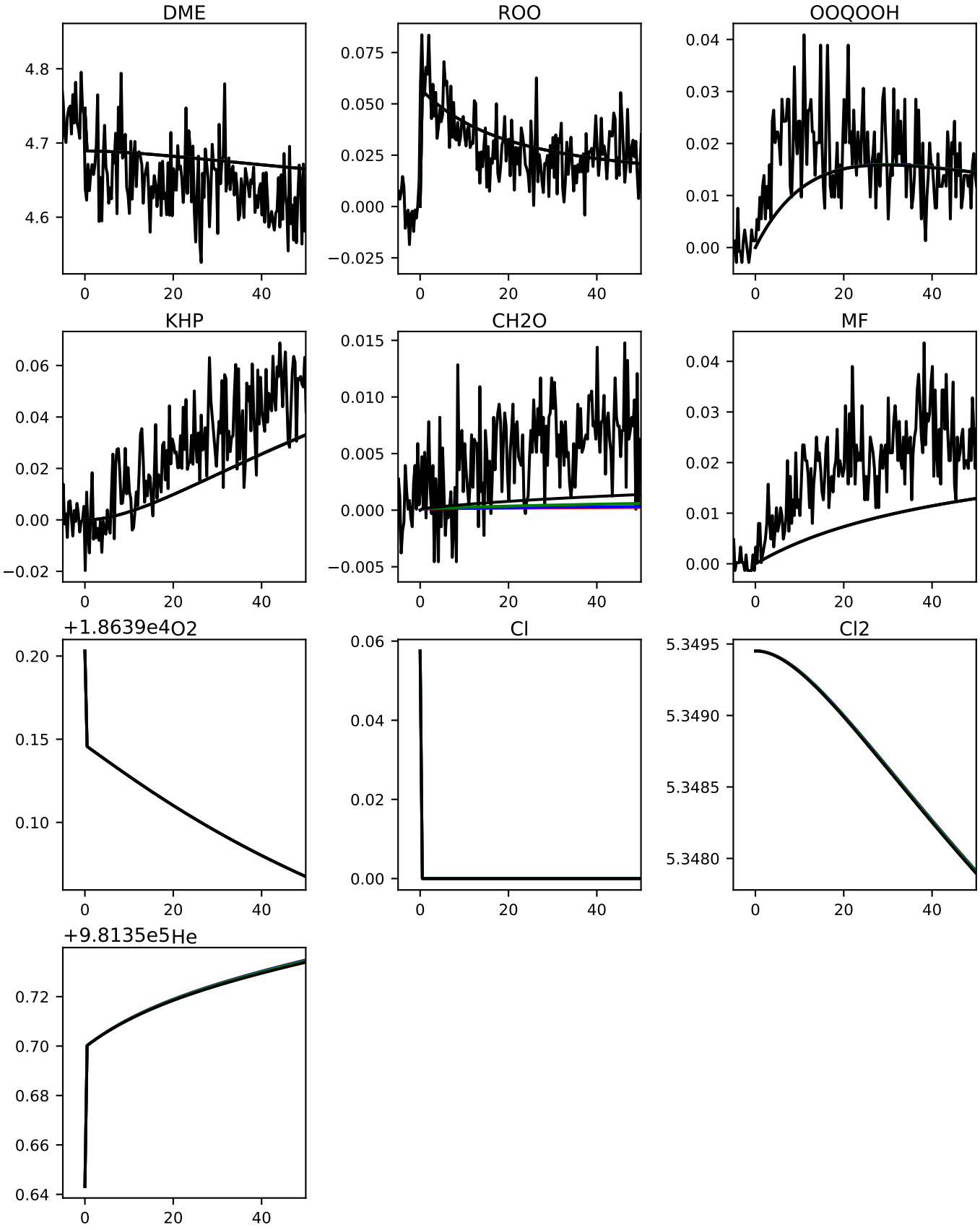
Mech. nickname	Mech. filename
Baseline	../lib/mechs/dme_couch_v2.cti
x3	../lib/mechs/dme_couch_v48.cti
x10	../lib/mechs/dme_couch_v49.cti
x30	../lib/mechs/dme_couch_v50.cti

Source: Couch 2022
Description: 450 K

450.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



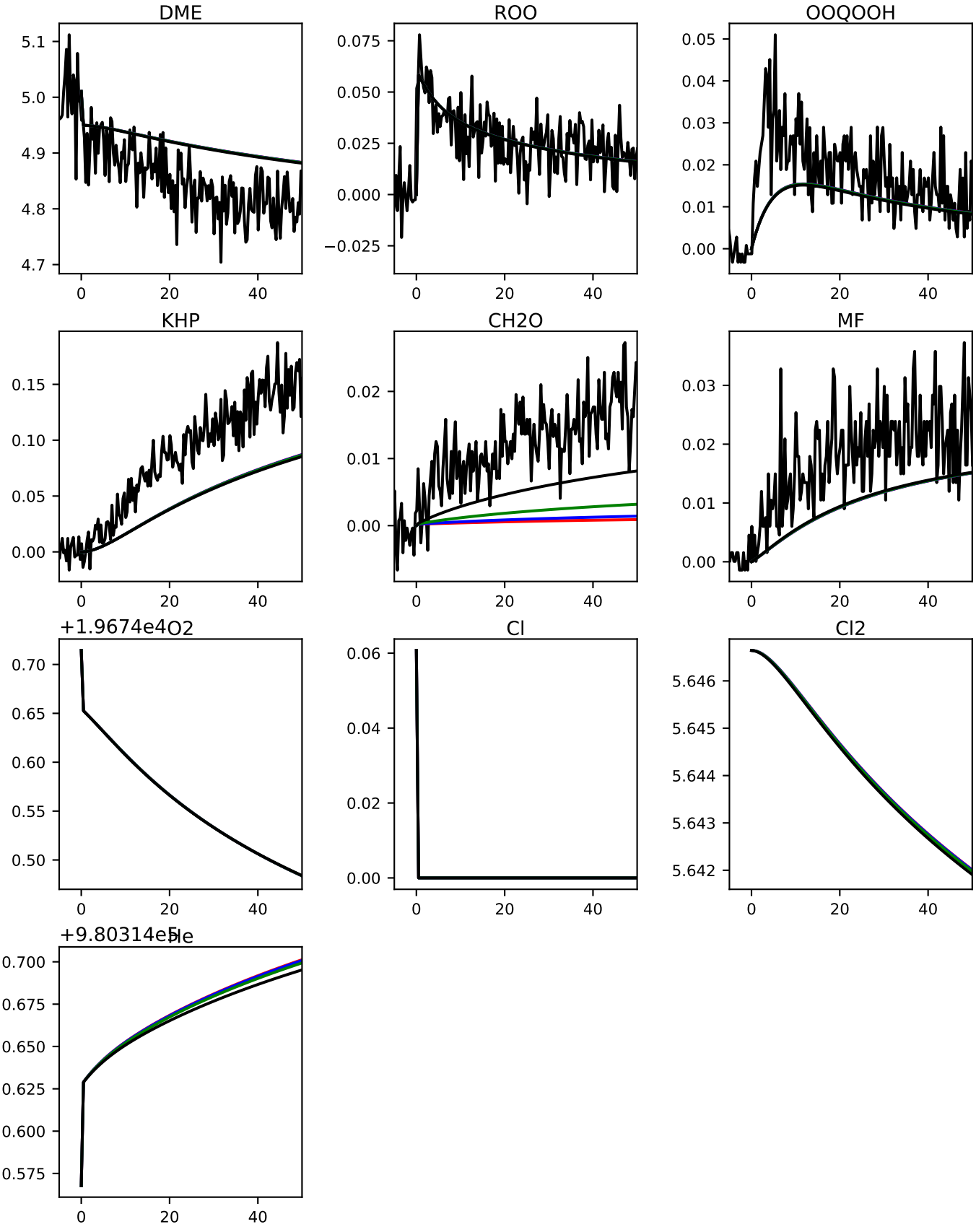
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: 475 K

475.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



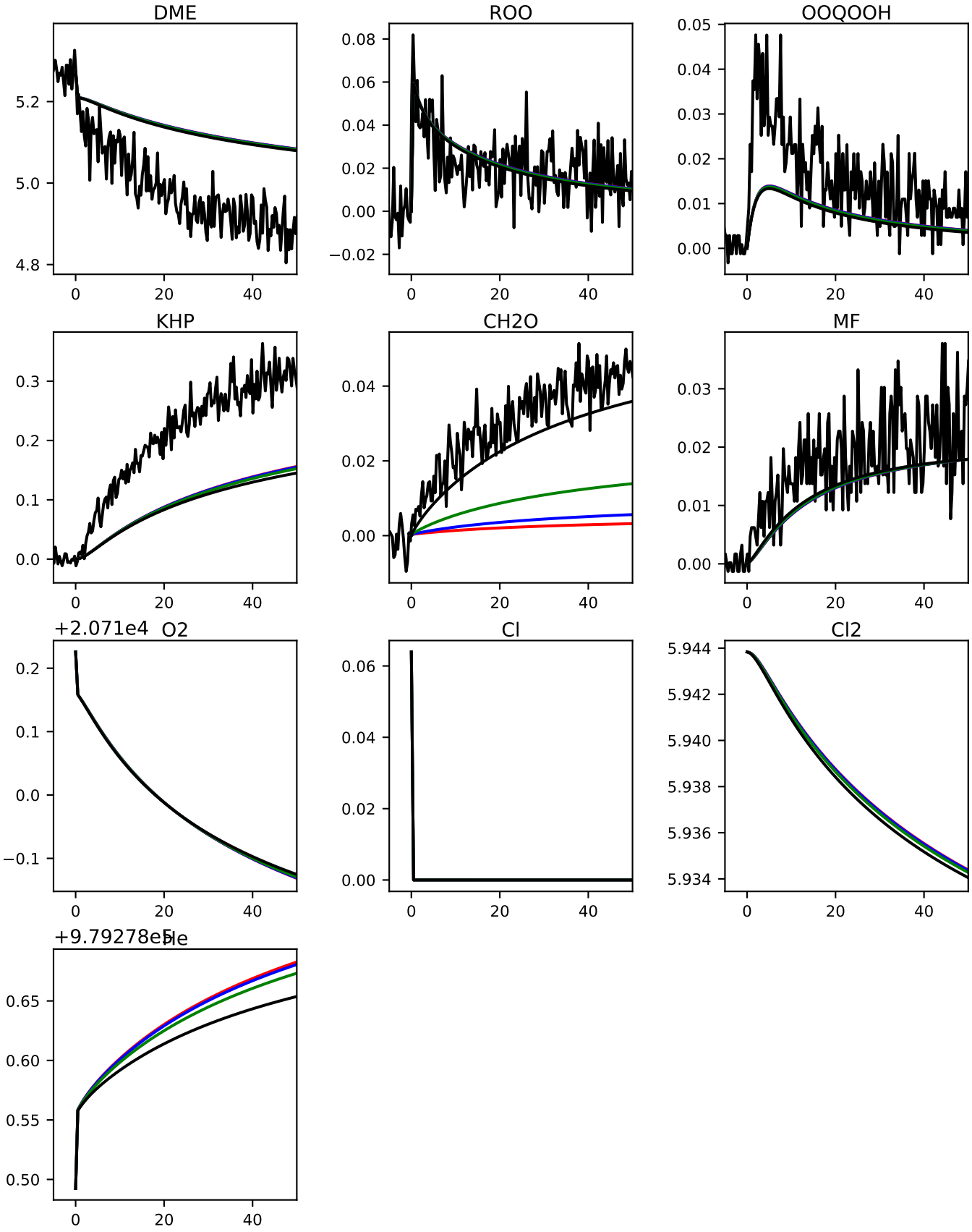
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: 500 K

500.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



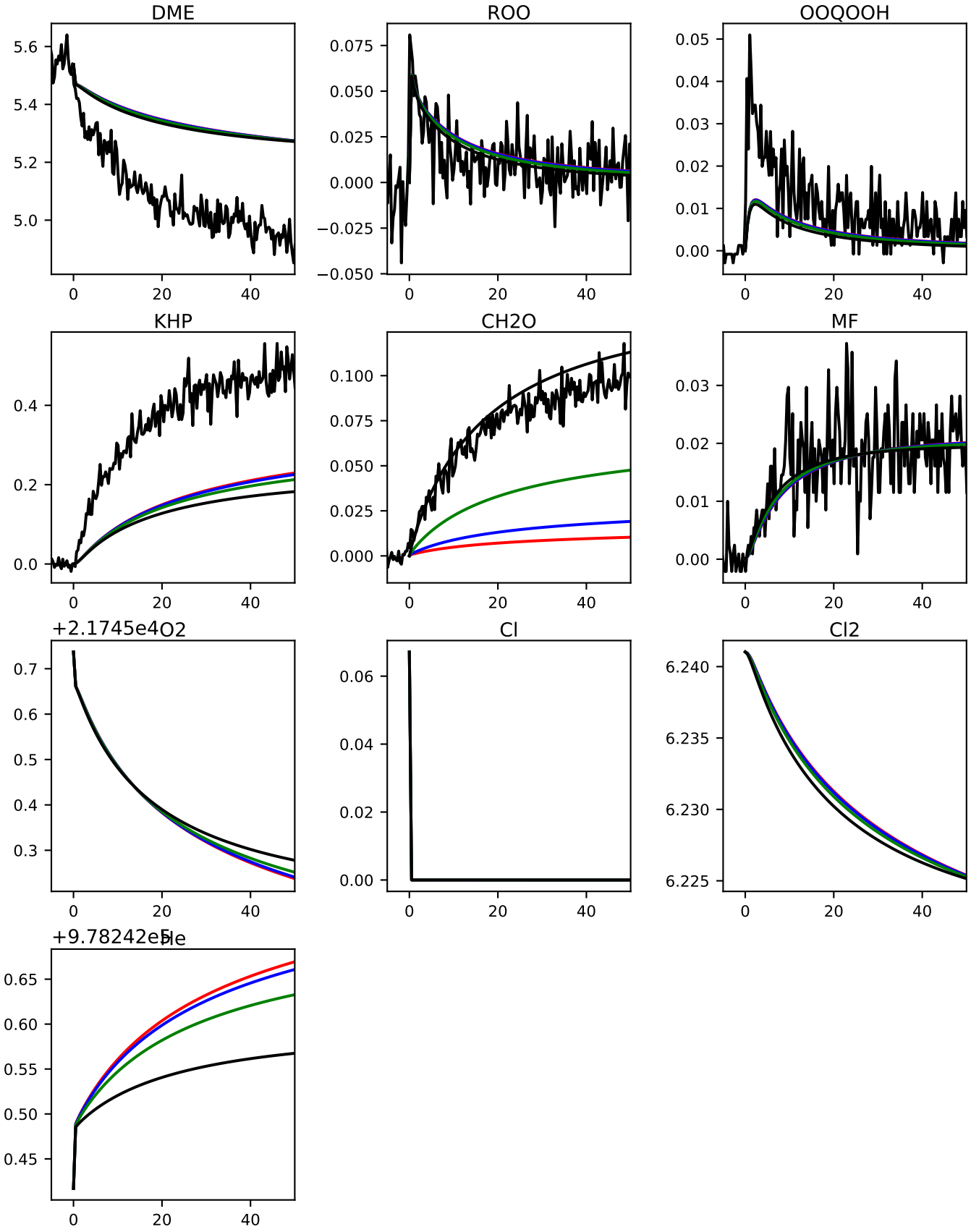
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: 525 K

525.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



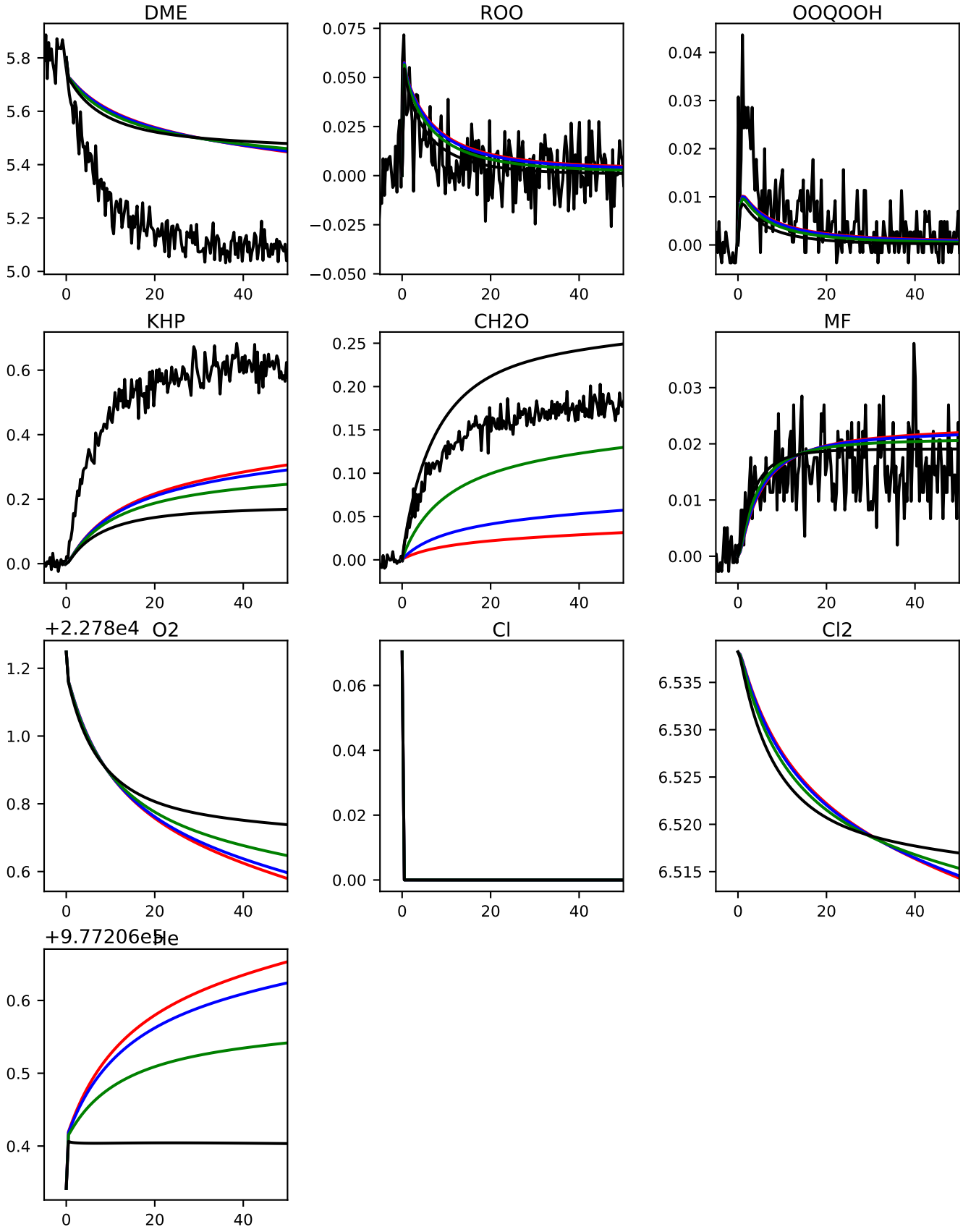
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: 550 K

550.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



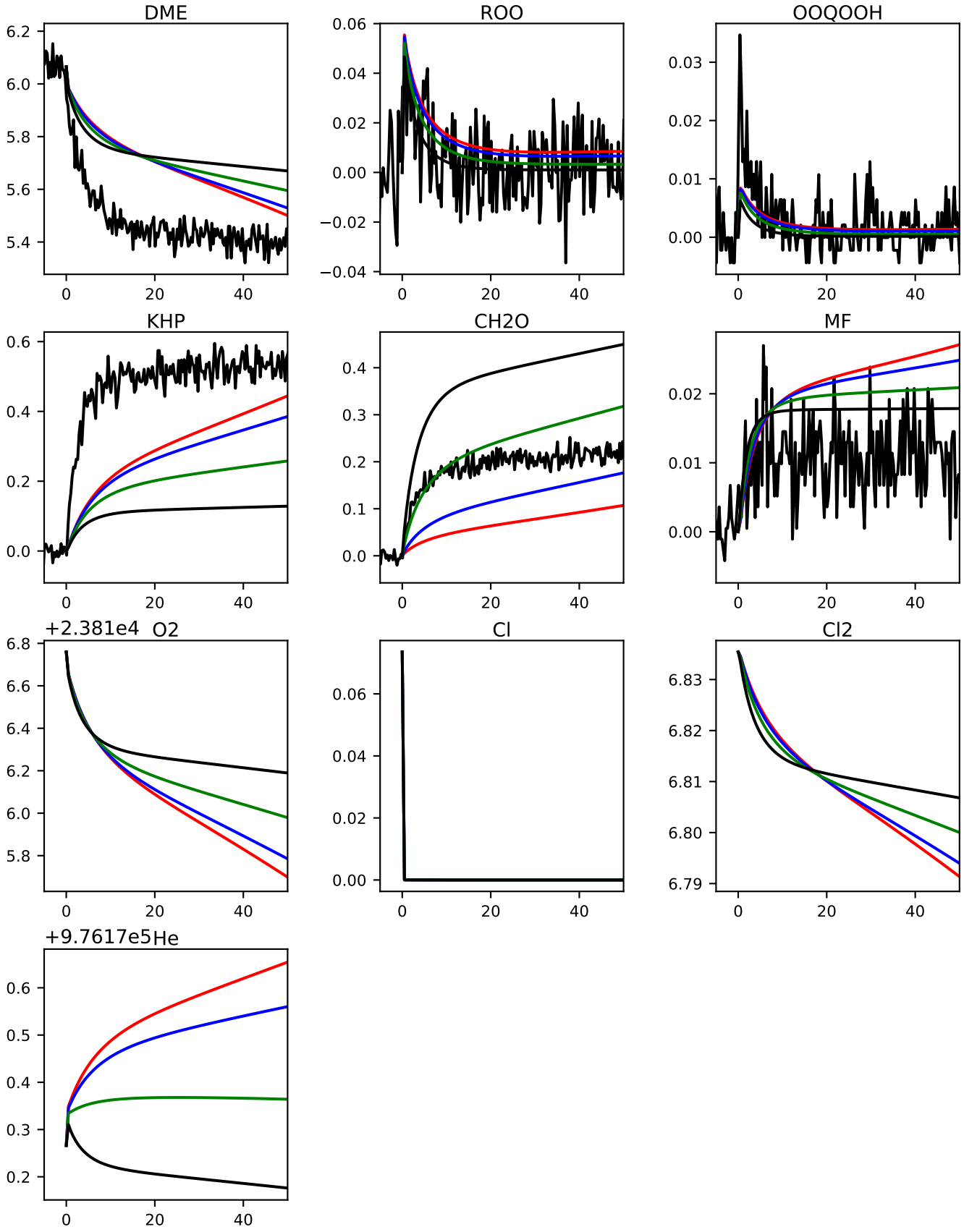
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: 575 K

575.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



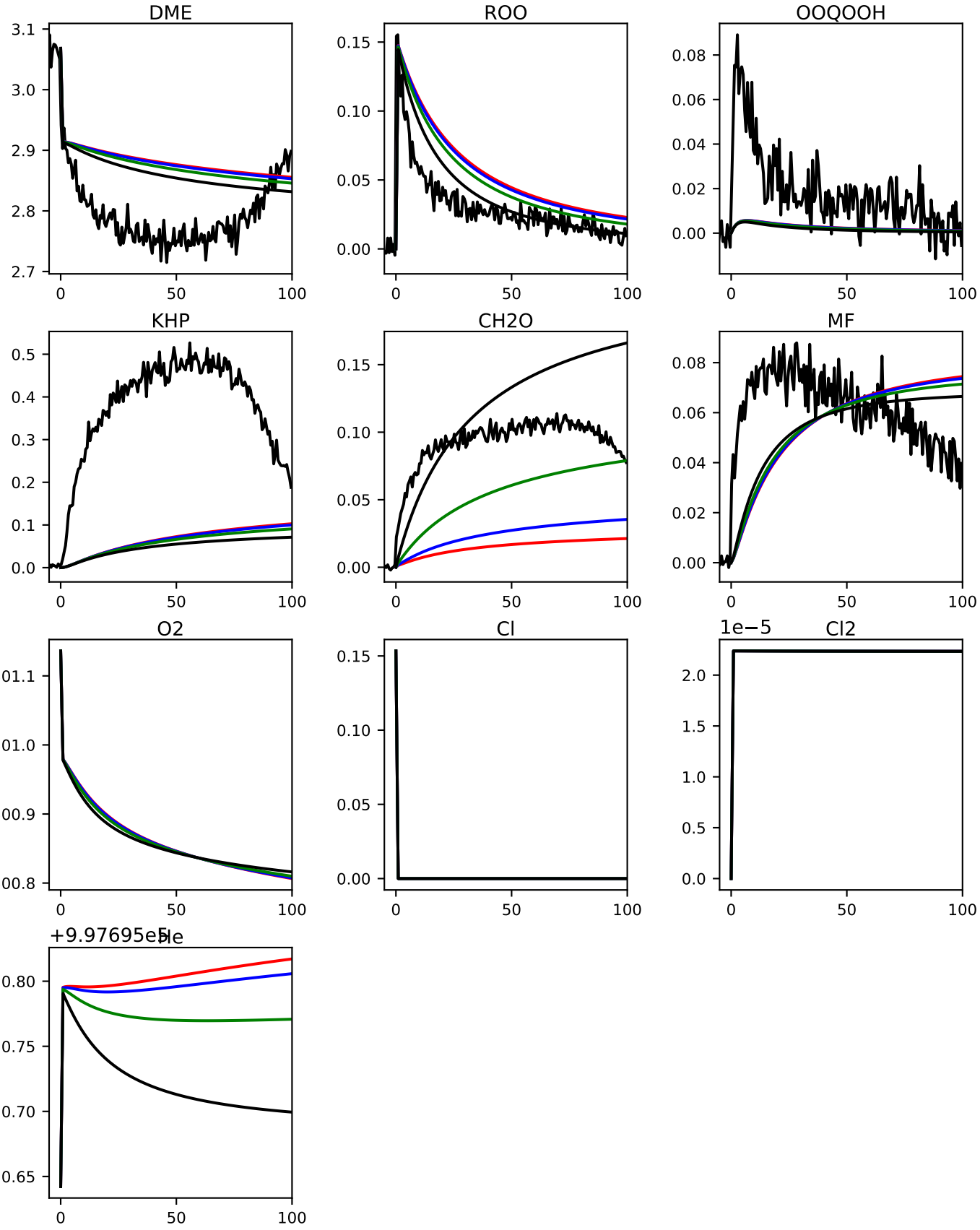
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: low O2

500.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



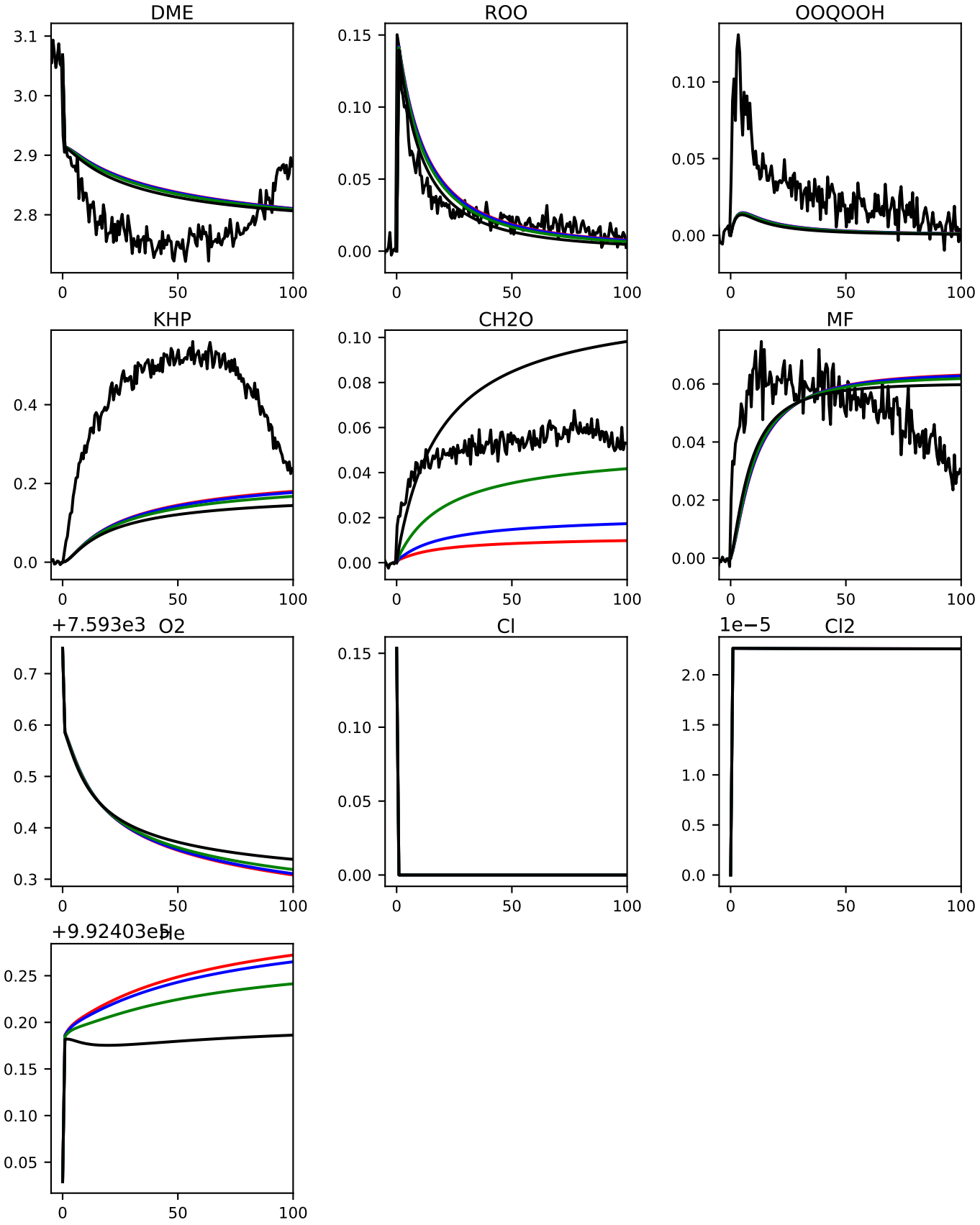
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: mid O2

500.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



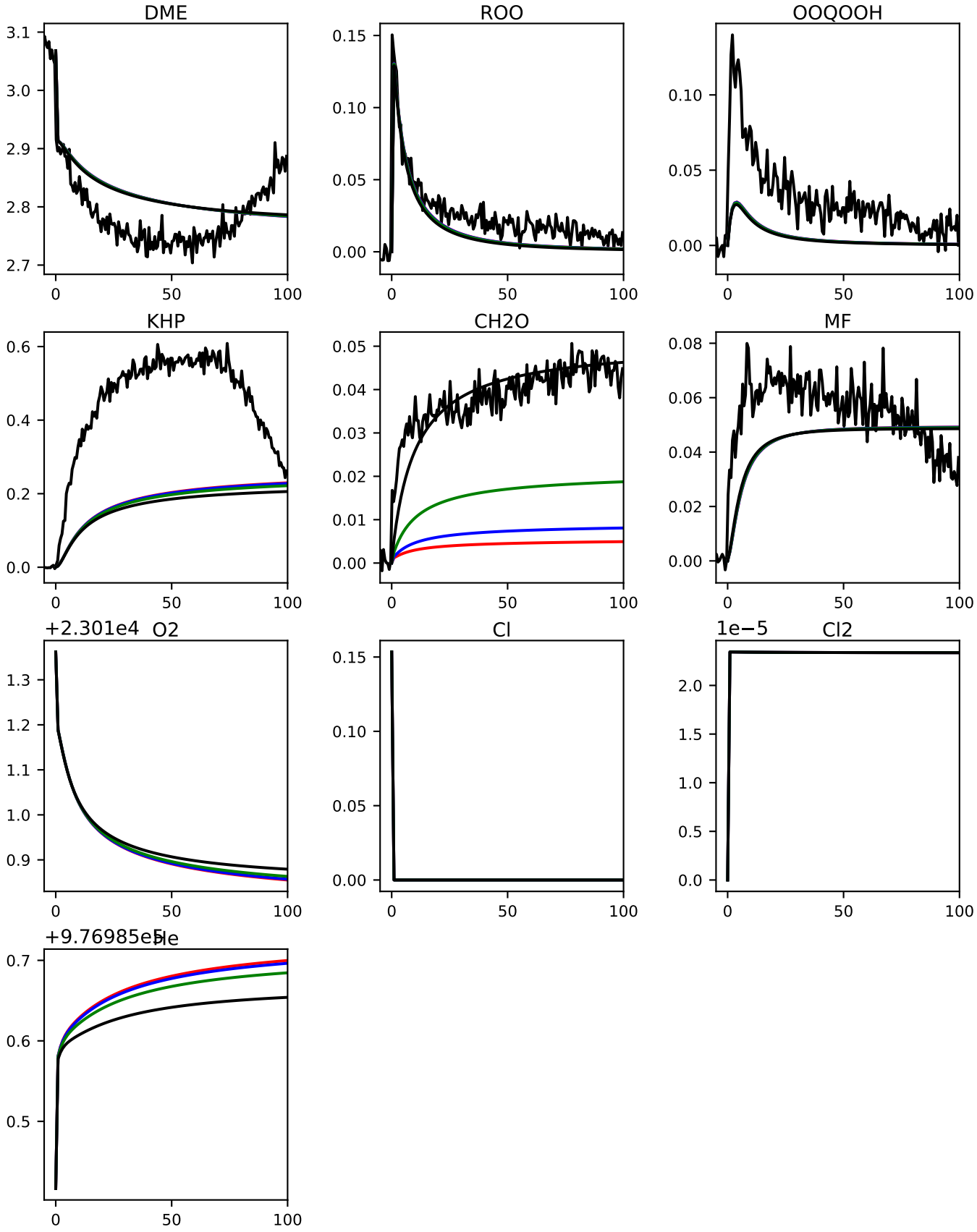
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Couch 2022
Description: high O2

500.0 K
(pg. 1 of 1)

Reac. type: Const. TP
Meas. type: Concentration

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



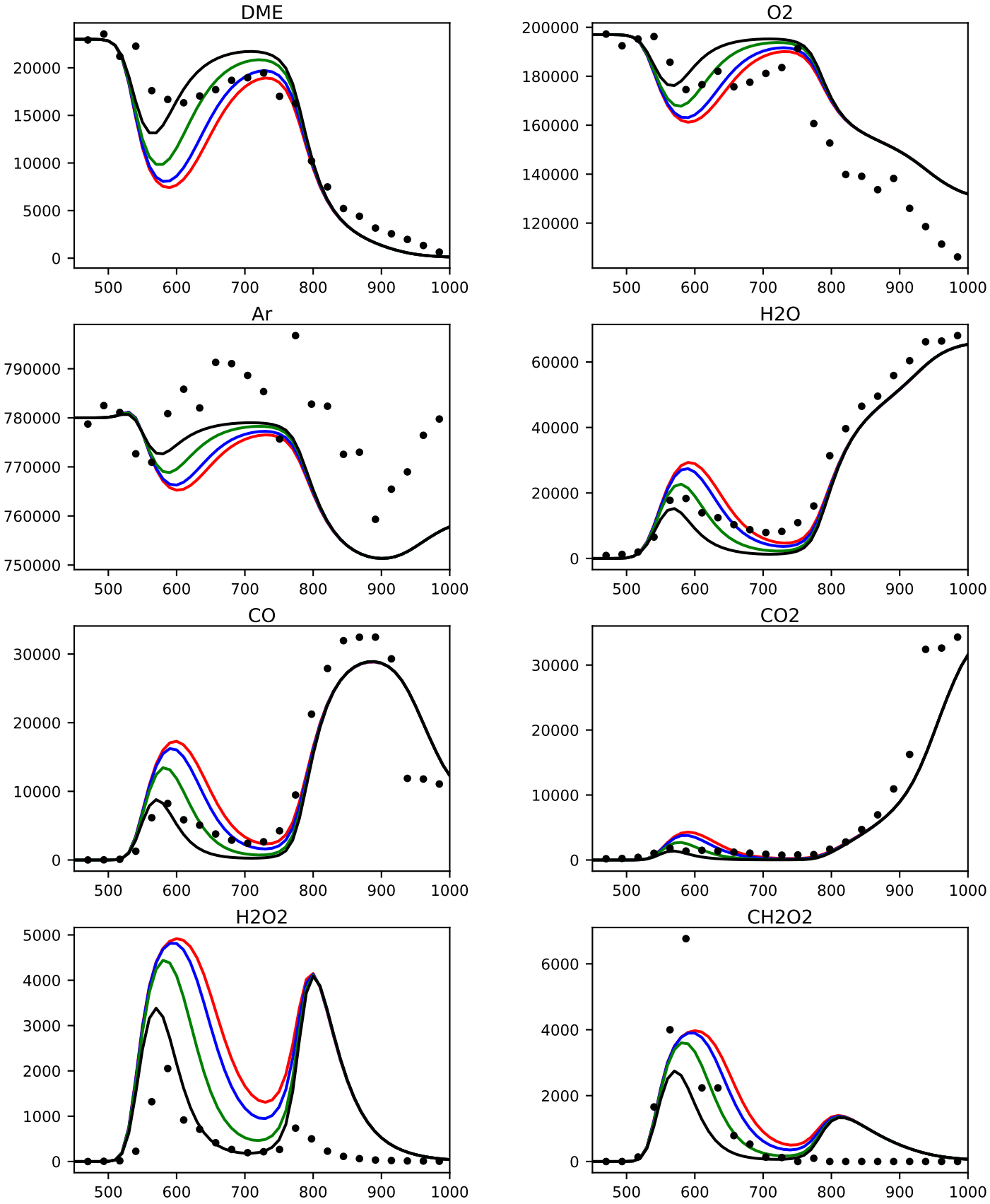
Y-axis: Mole fraction (ppm)
X-axis: Time (ms)

Source: Moshammer 2016
Description: Altered DME & O2

Outlet concentrations (pg. 1 of 2)

Reac. type: JSR
Meas. type: Outlet

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



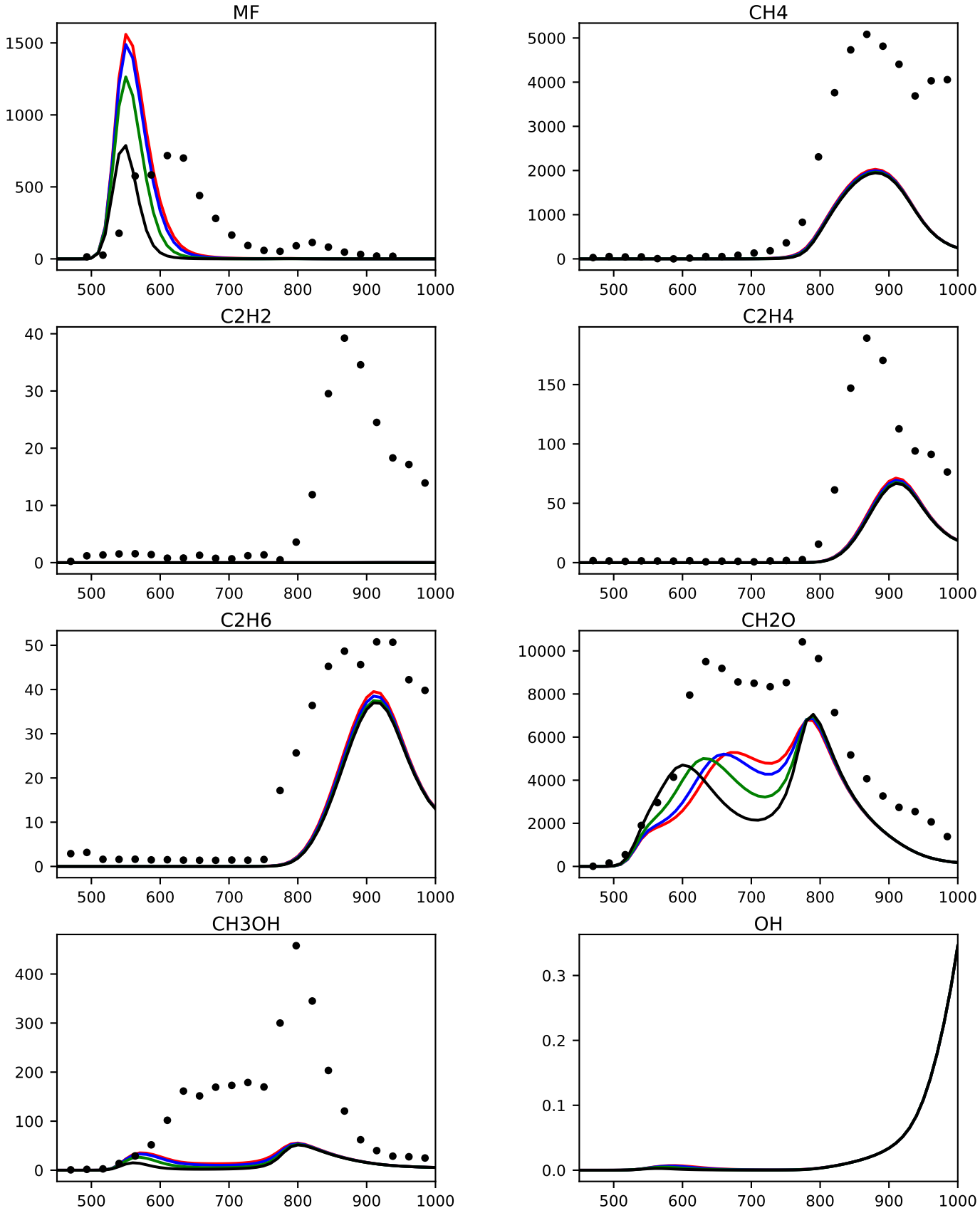
Y-axis: Mole fraction (ppm)
X-axis: Temperature (K)

Source: Moshammer 2016
Description: Altered DME & O2

Outlet concentrations (pg. 2 of 2)

Reac. type: JSR
Meas. type: Outlet

Black lines: x30
Red lines: Baseline
Blue lines: x3
Green lines: x10



Y-axis: Mole fraction (ppm)
X-axis: Temperature (K)