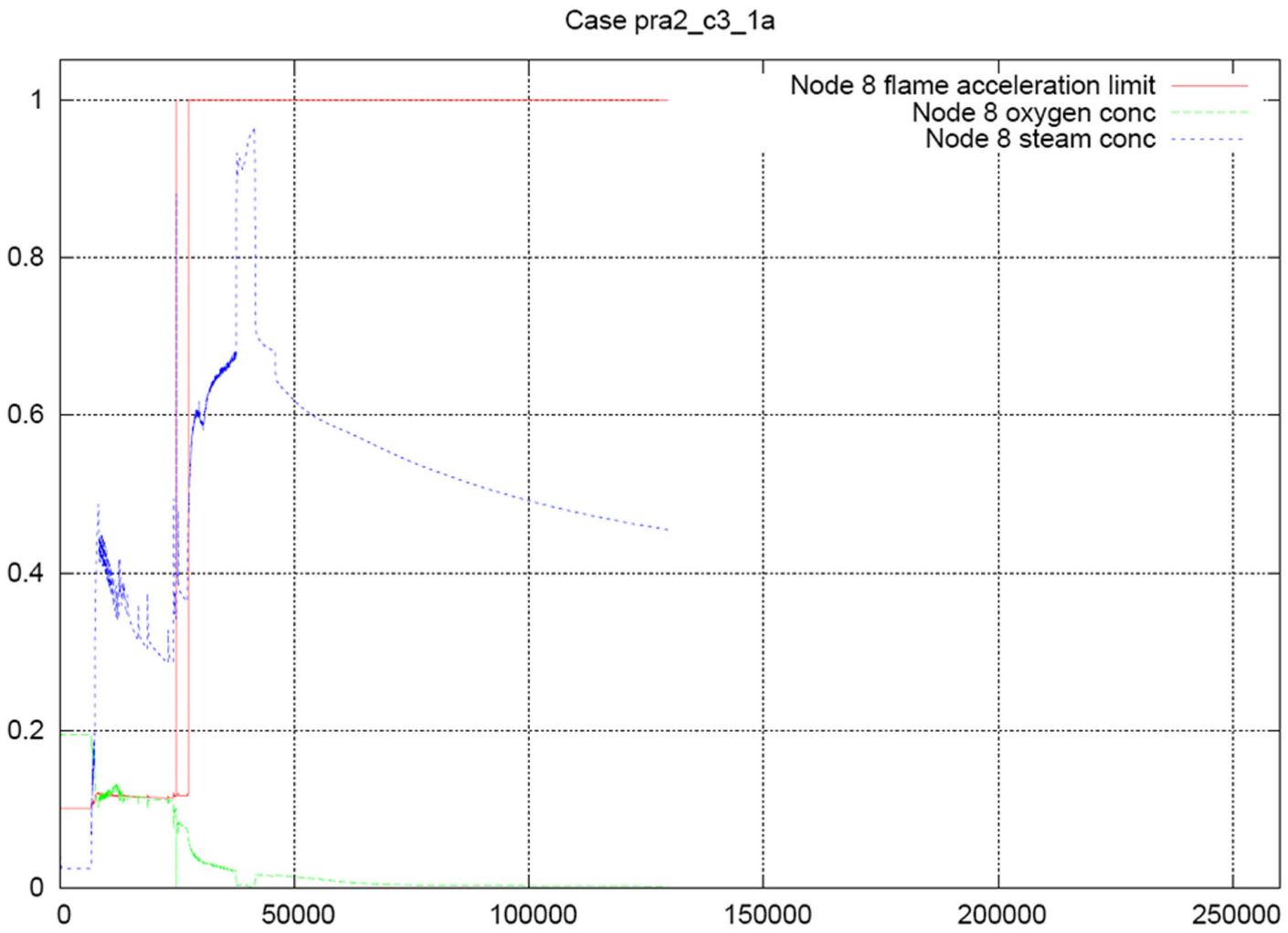

Figure A 84: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1a, containment node 8)

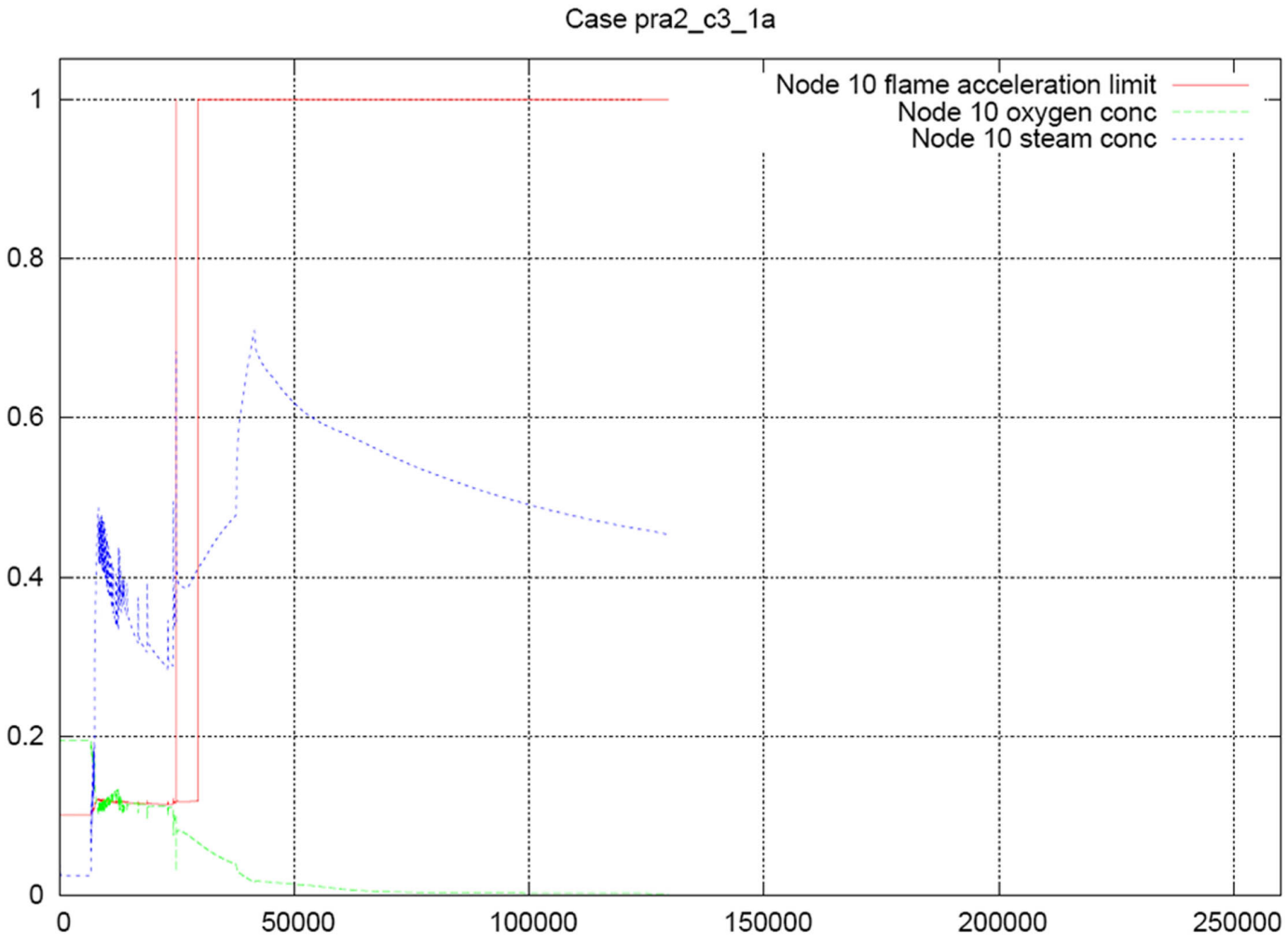

Figure A 85: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1a, containment node 10)

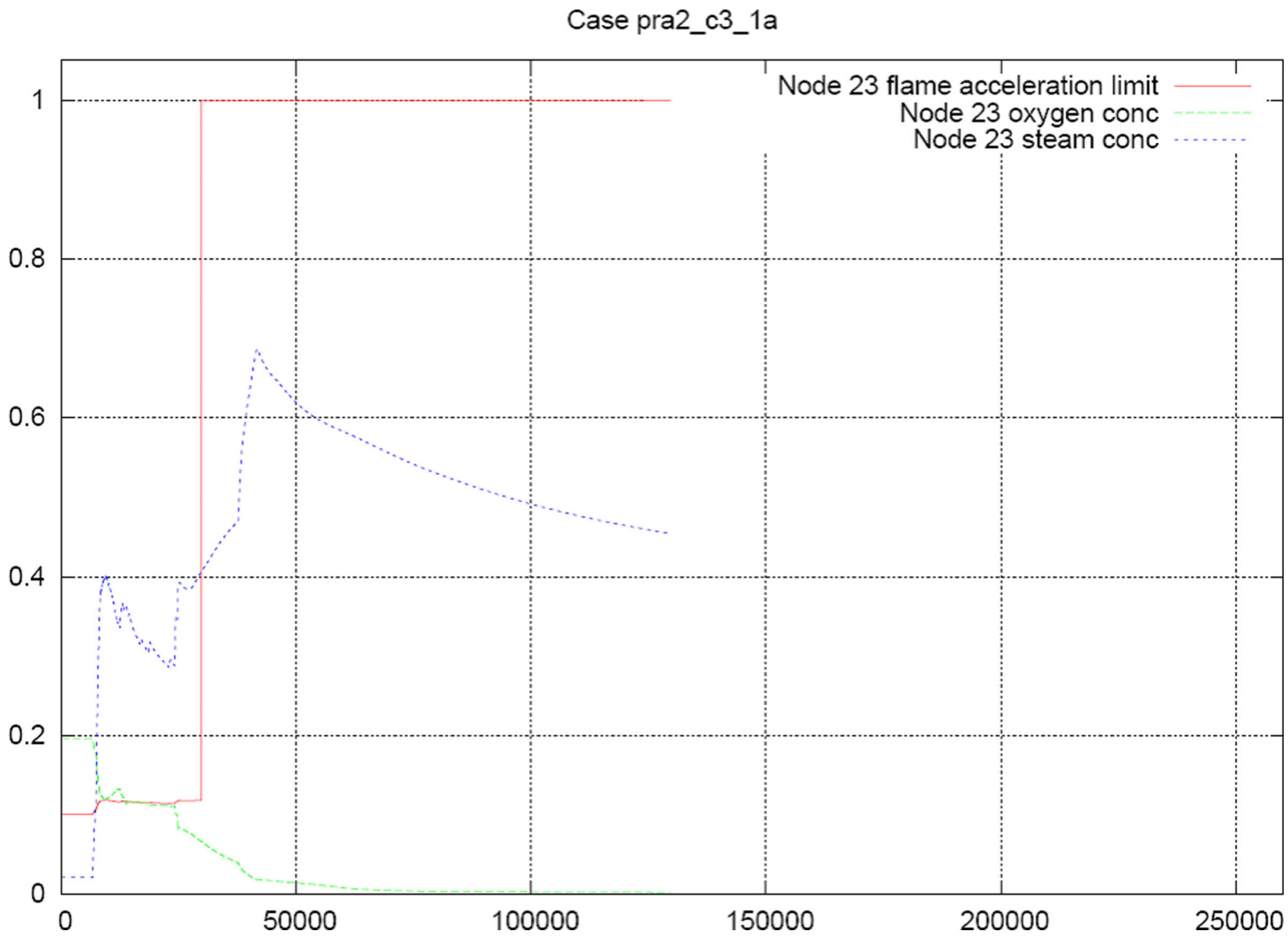

Figure A 86: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1a, containment node 23)

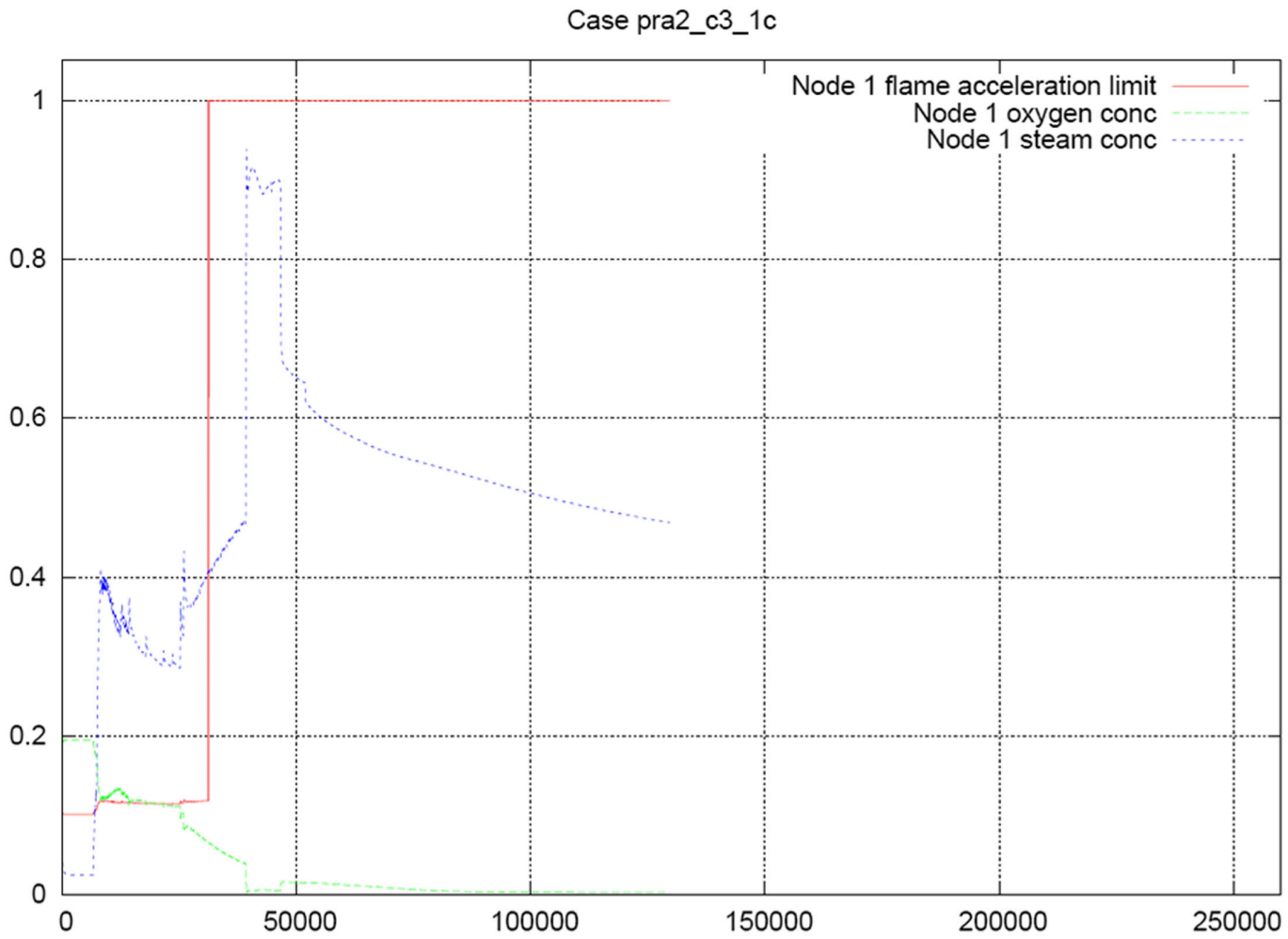

Figure A 87: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 1)

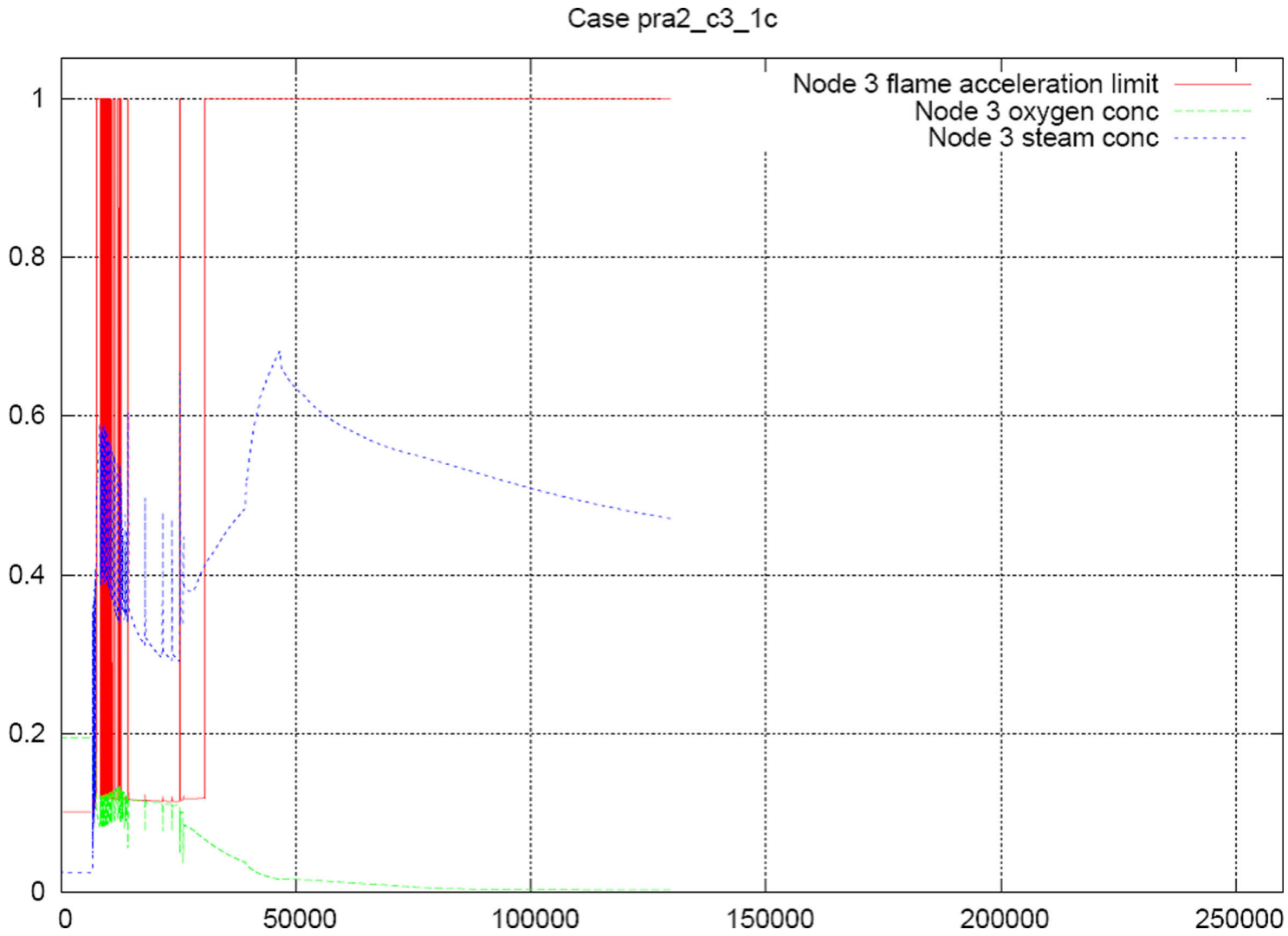

Figure A 88: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 3)

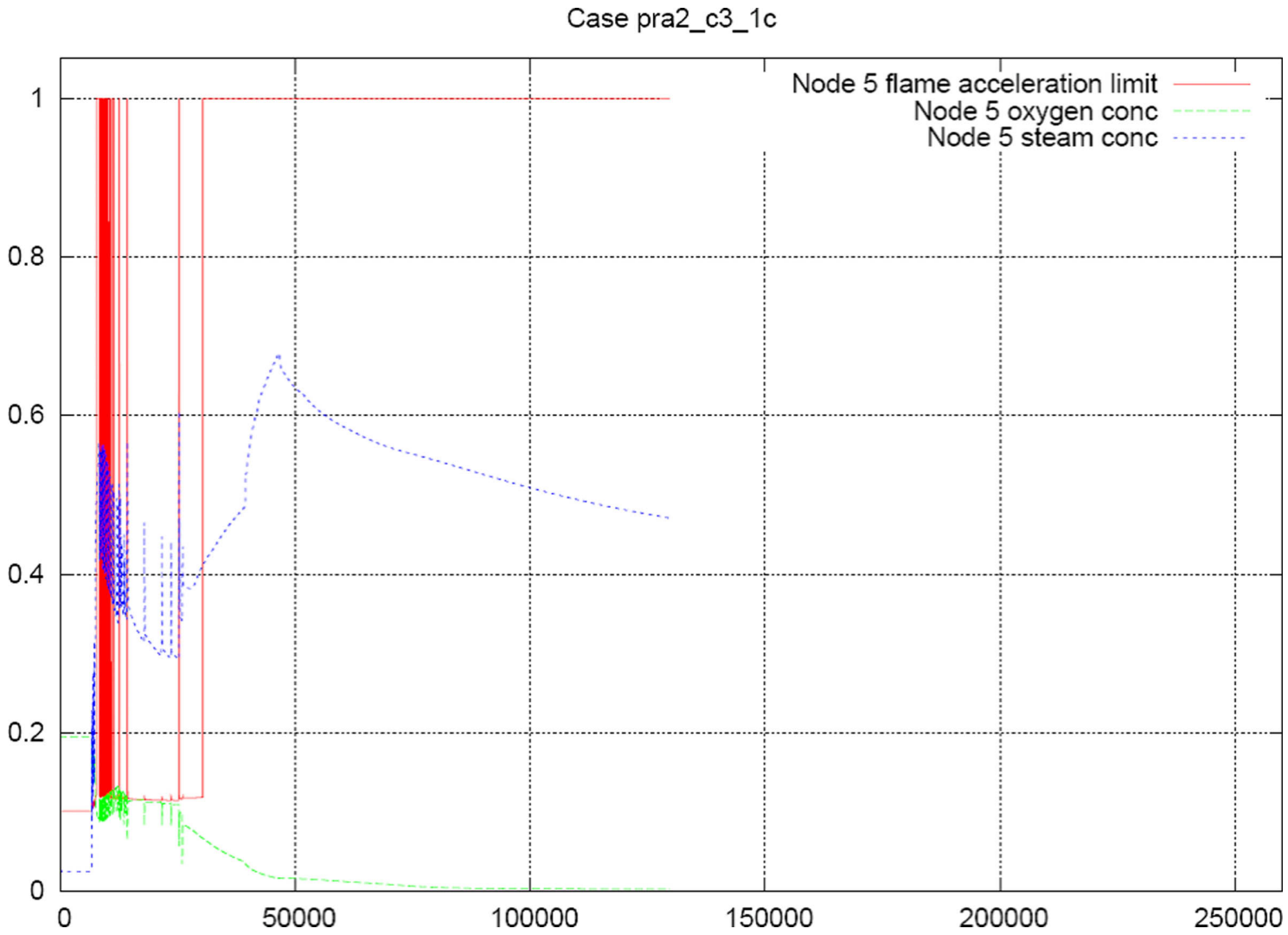

Figure A 89: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1,c containment node 5)

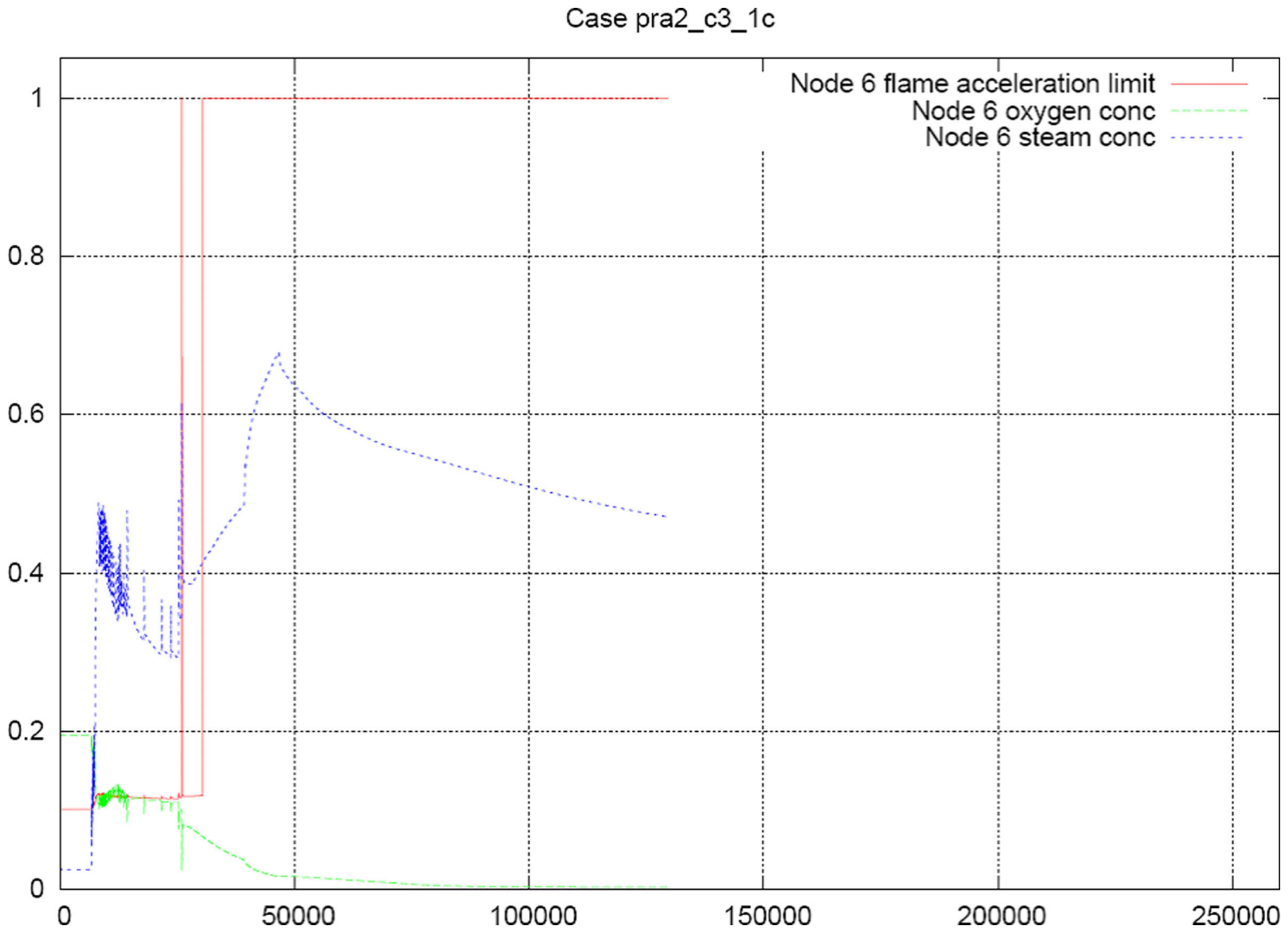

Figure A 90: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 6)

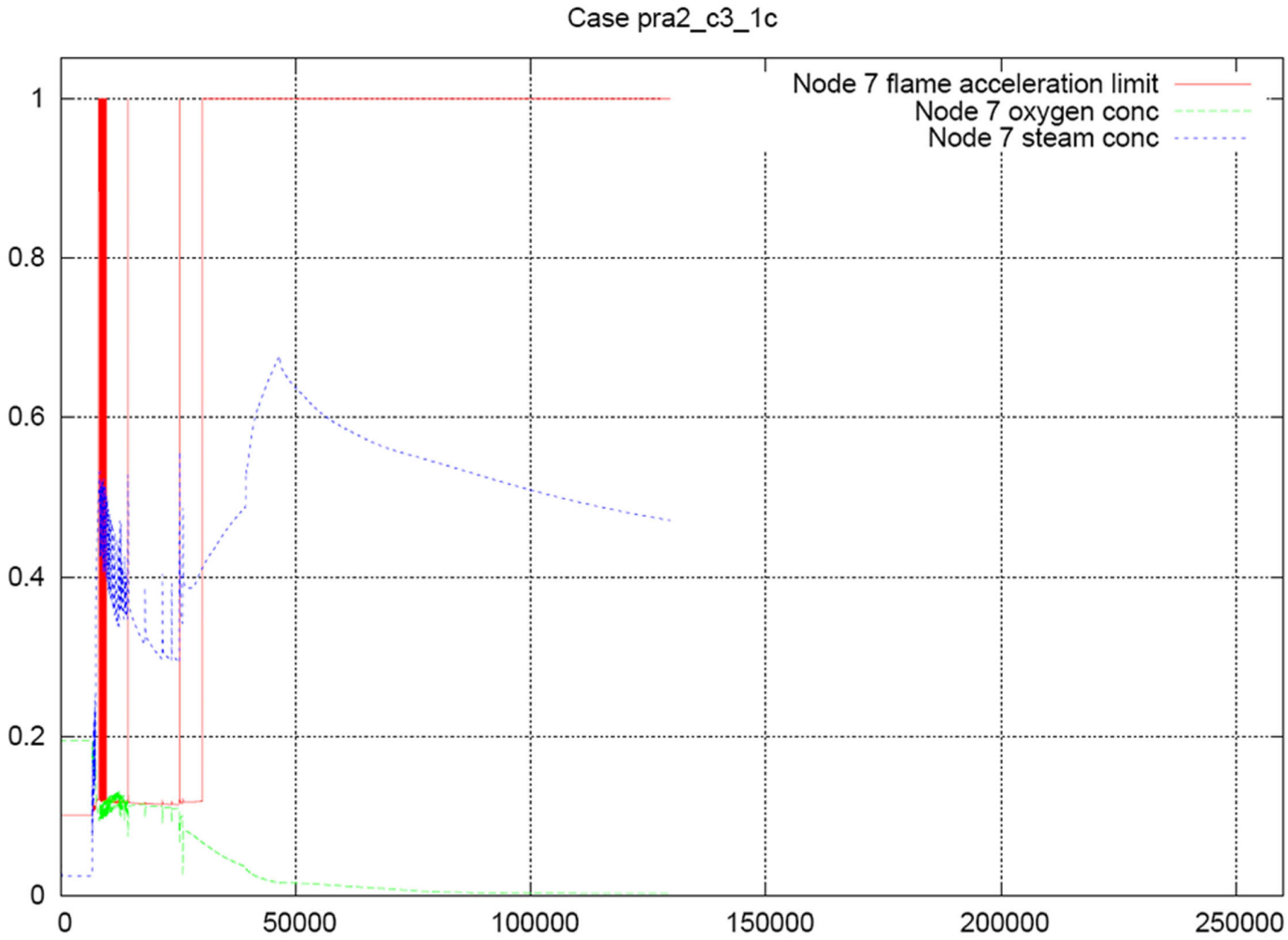

Figure A 91: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 7)

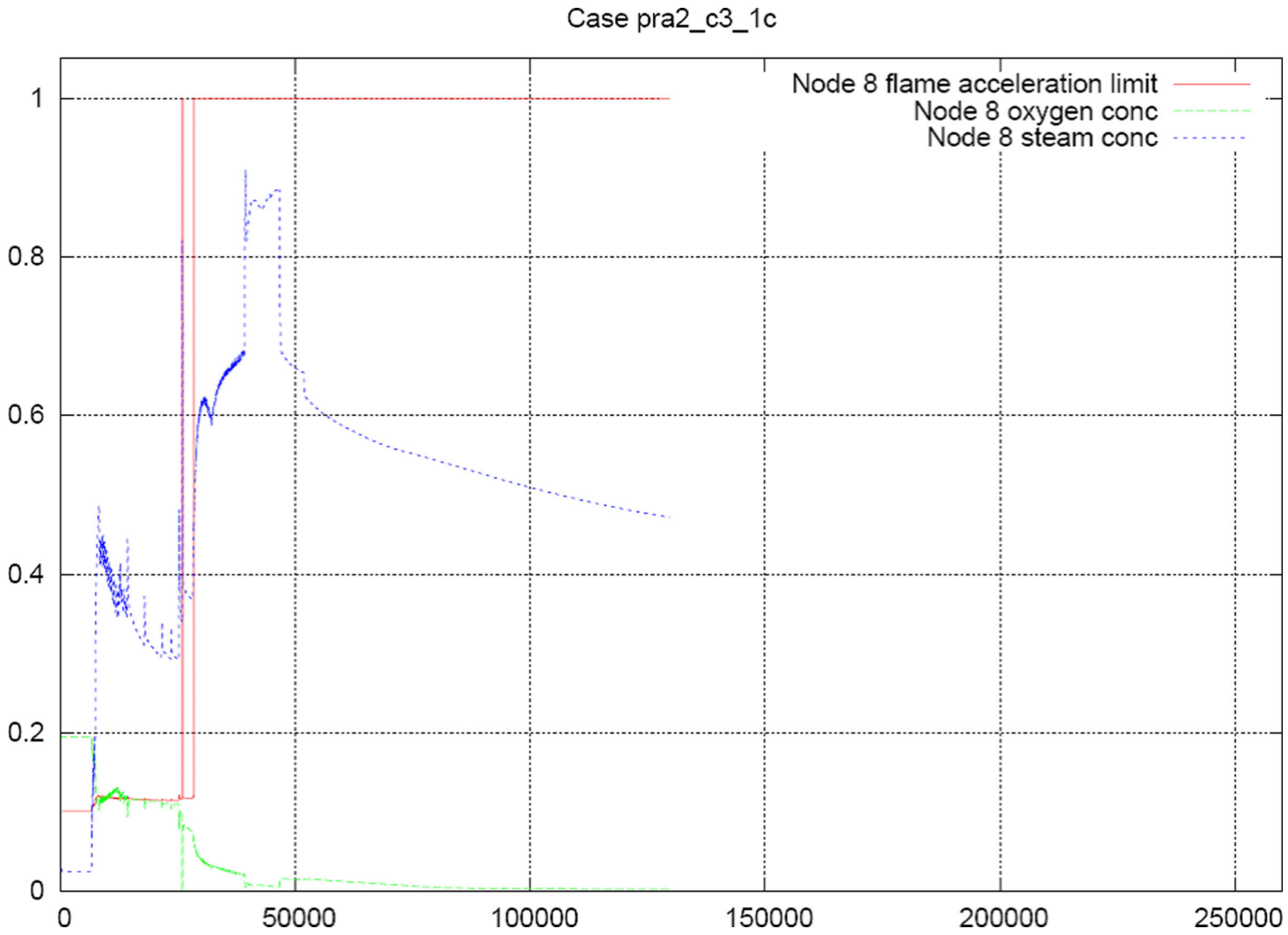

Figure A 92: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 8)

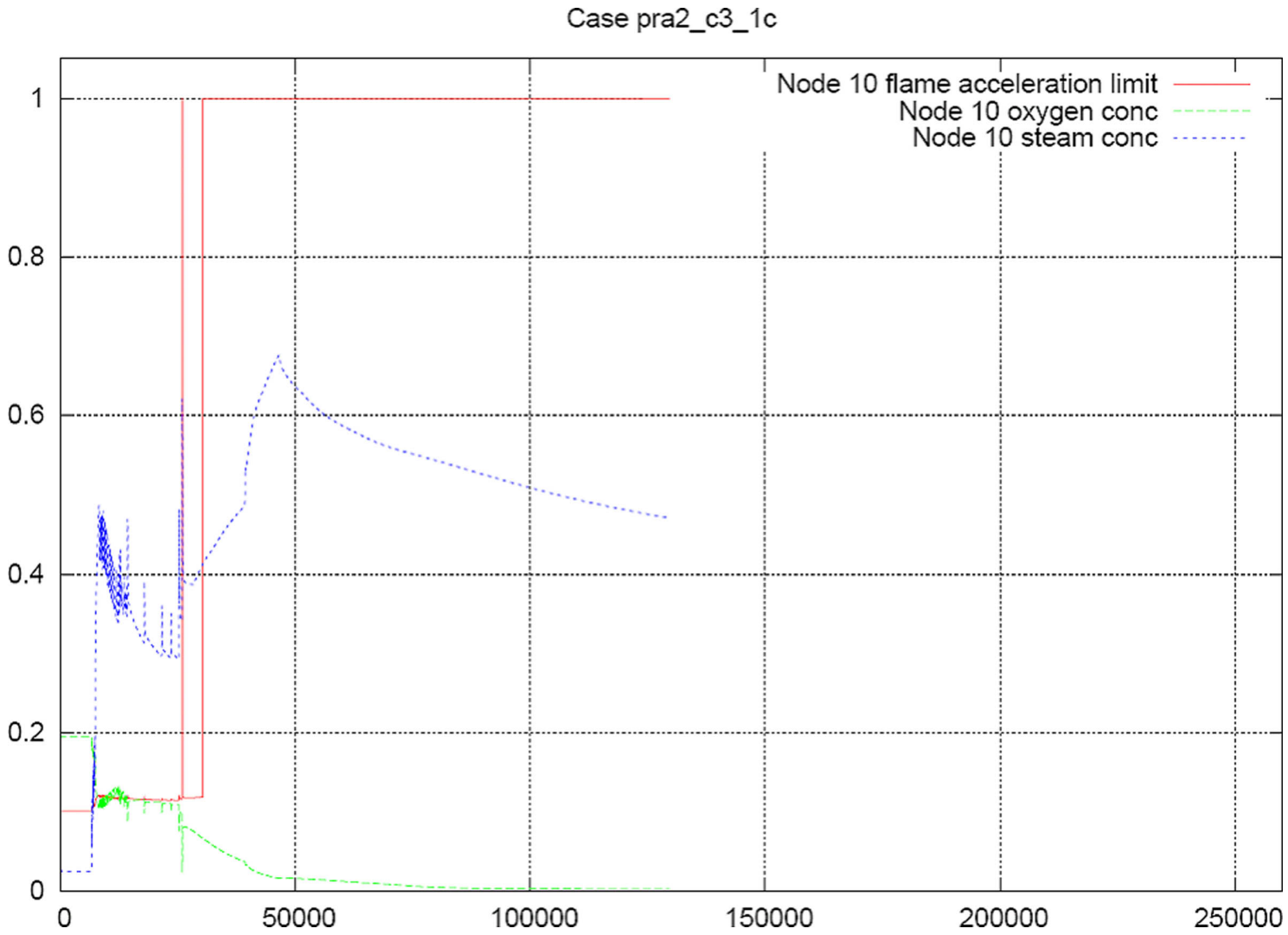

Figure A 93: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 10)

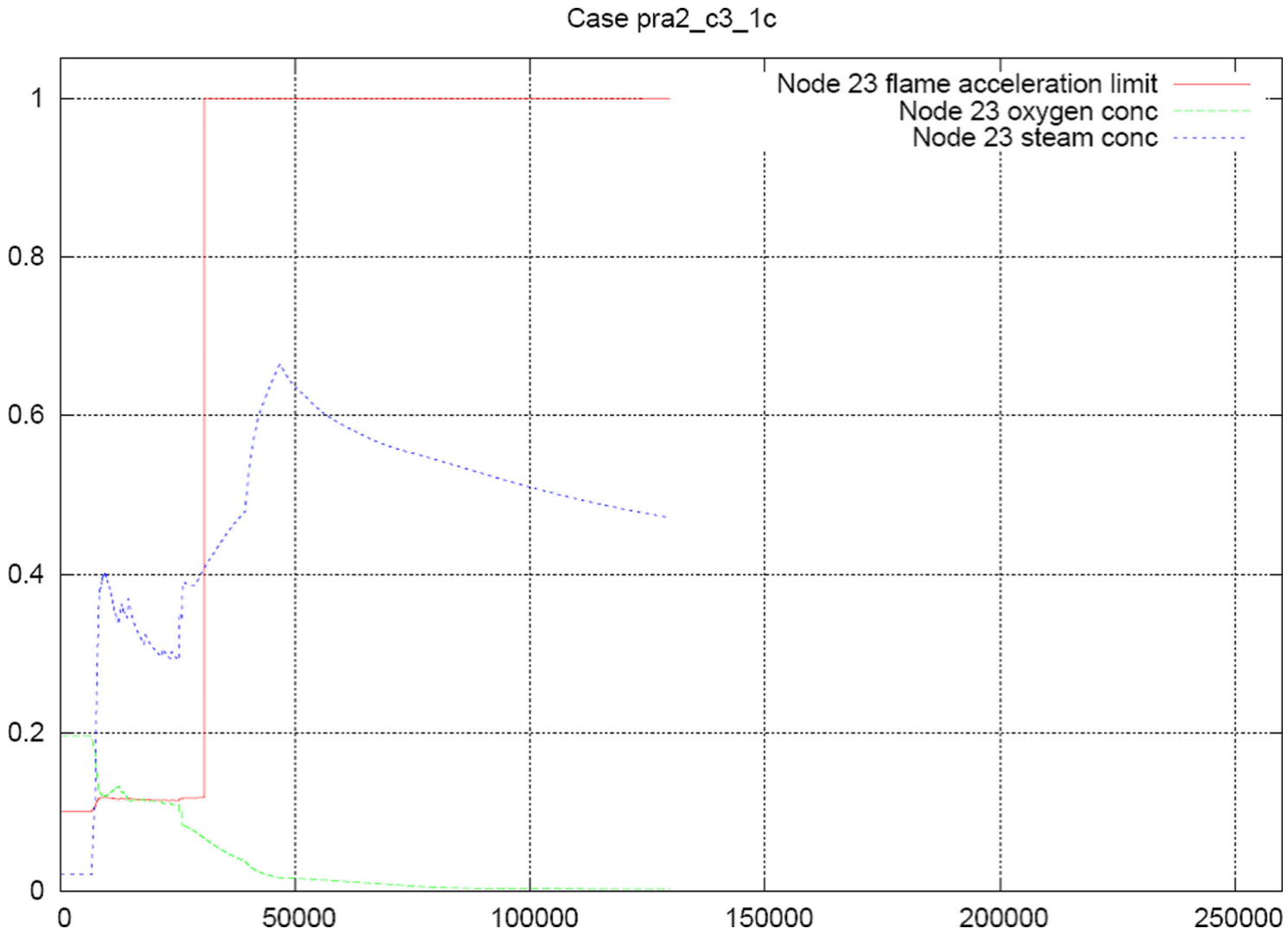

Figure A 94: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1c, containment node 23)

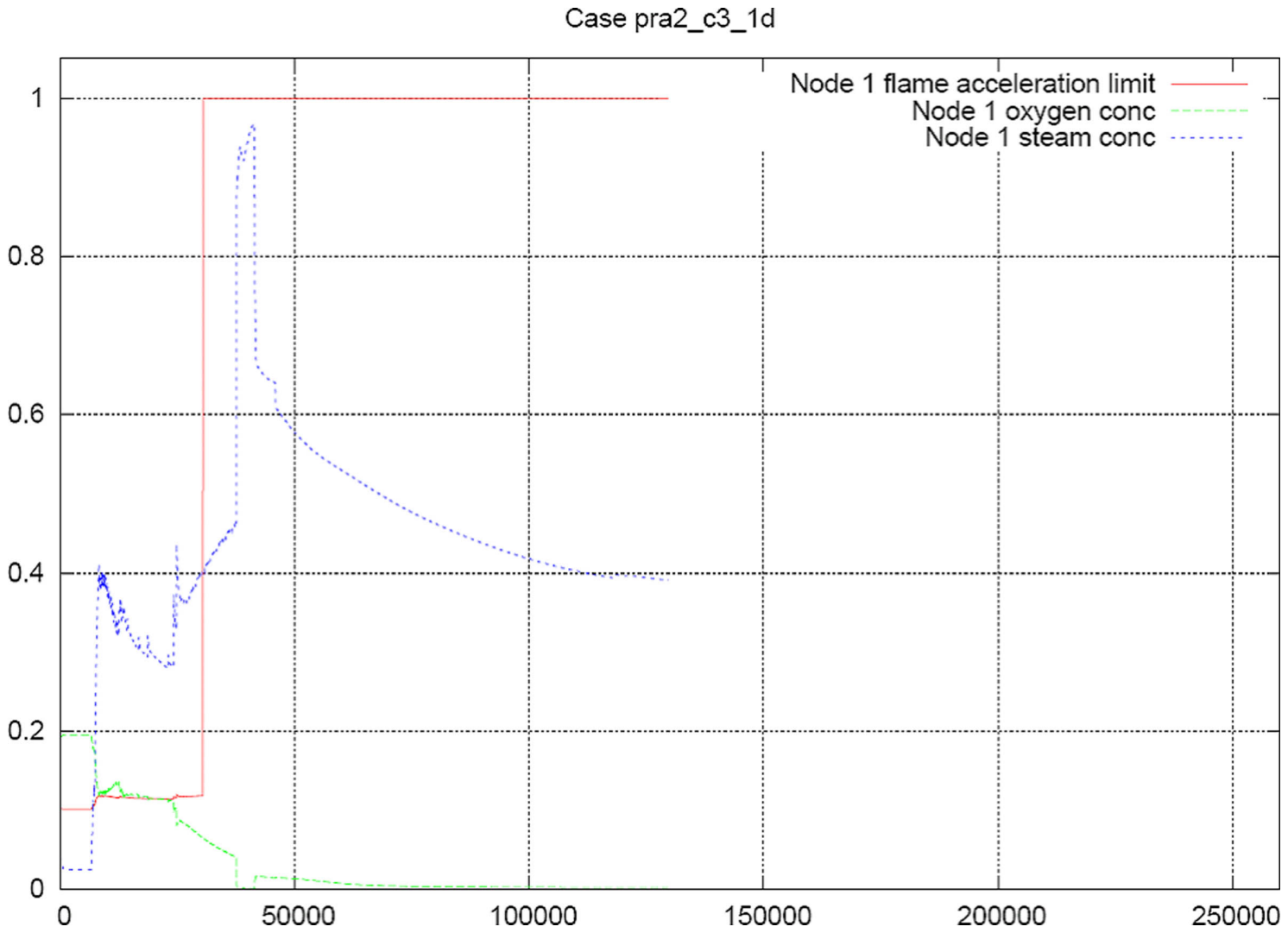

Figure A 95: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 1)

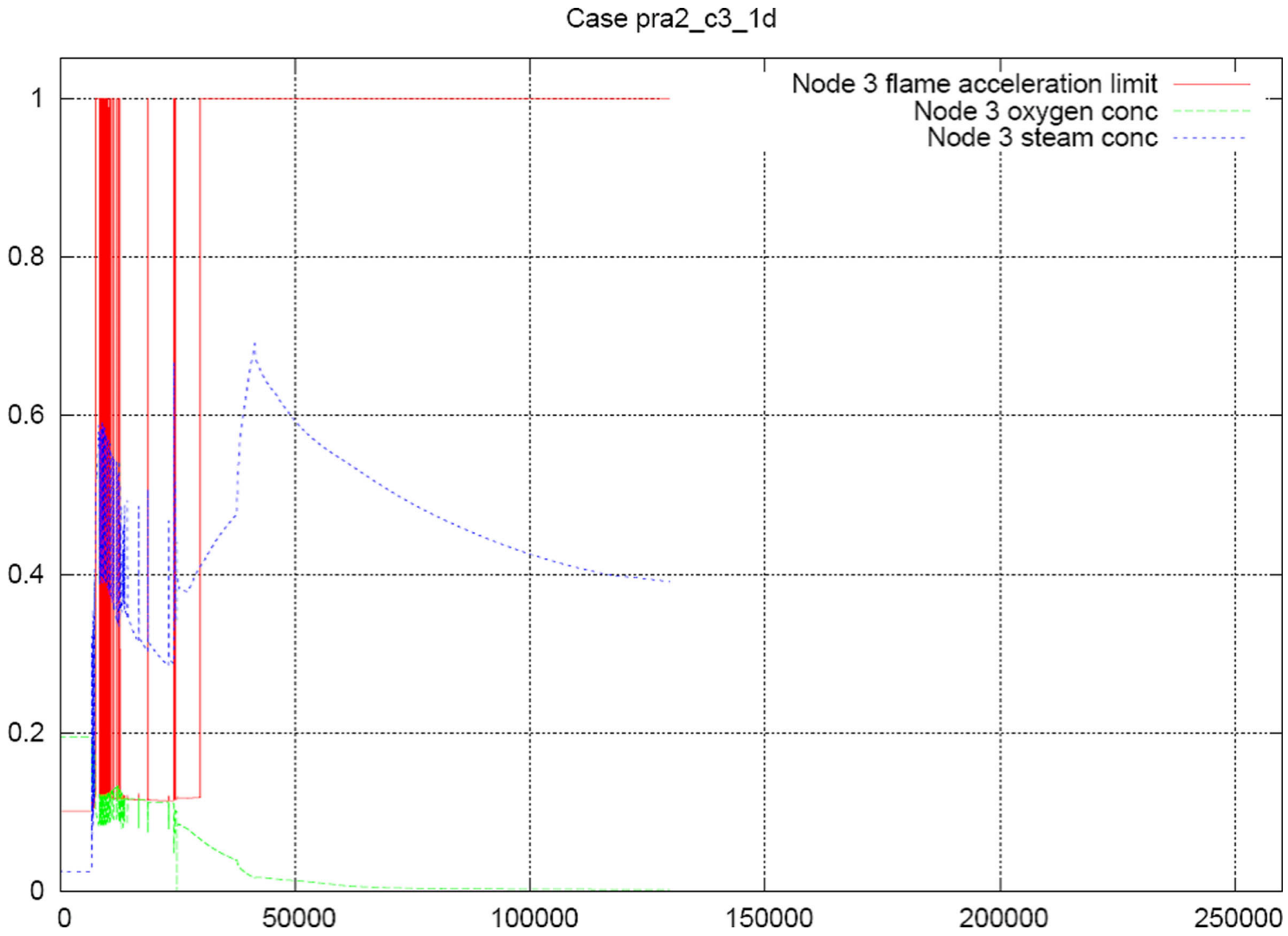

Figure A 96: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 3)

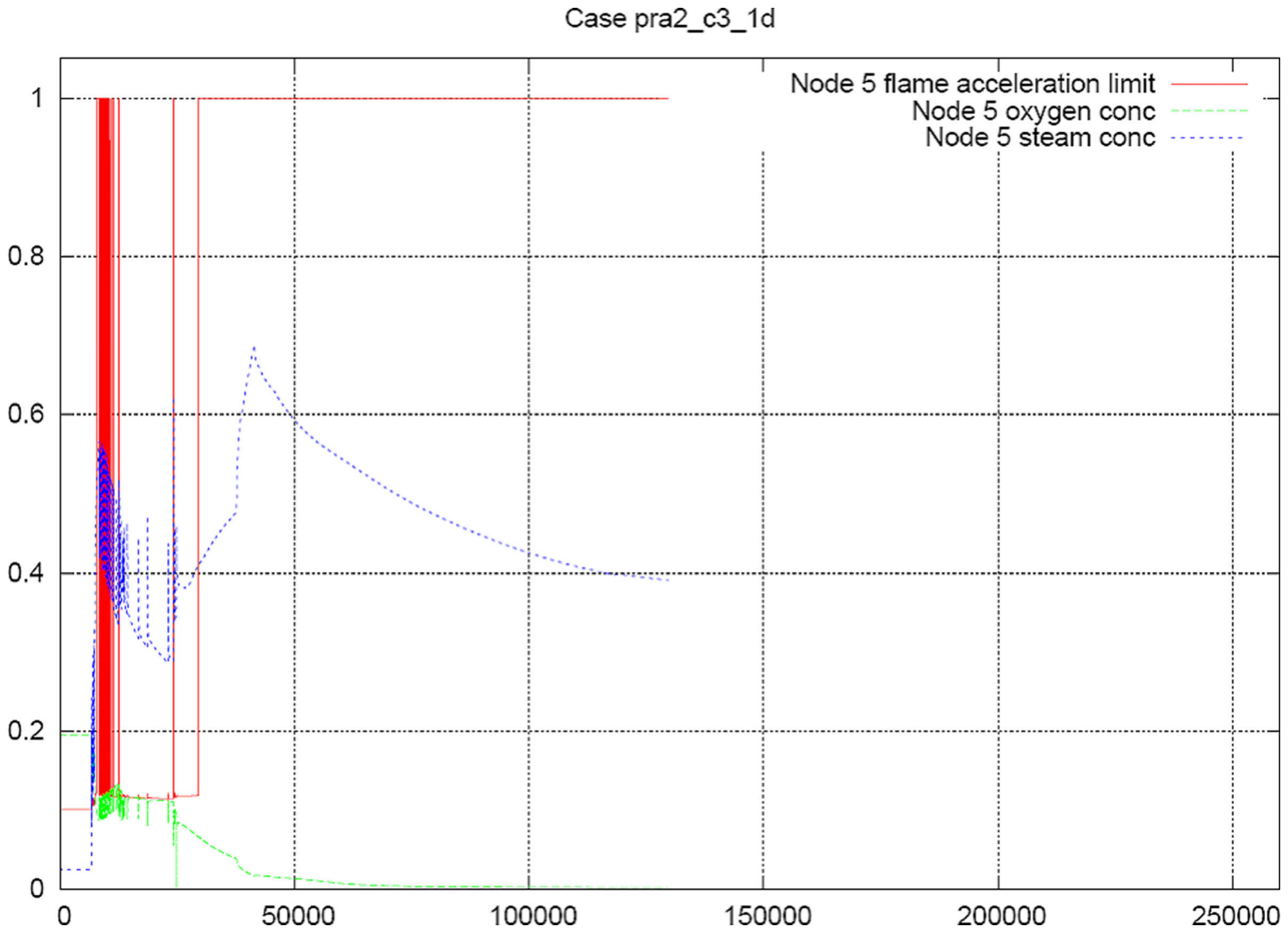

Figure A 97: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 5)

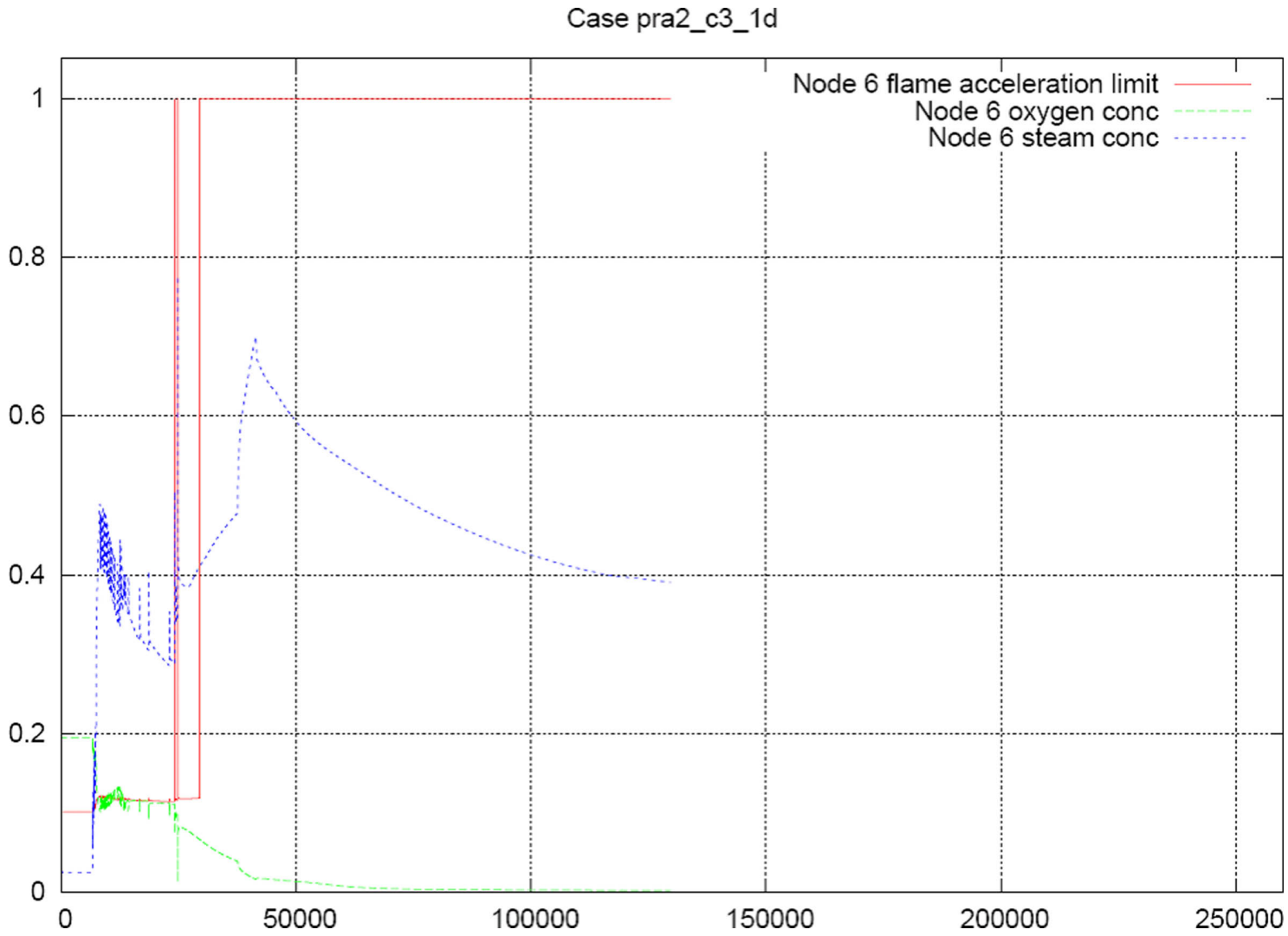

Figure A 98: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 6)

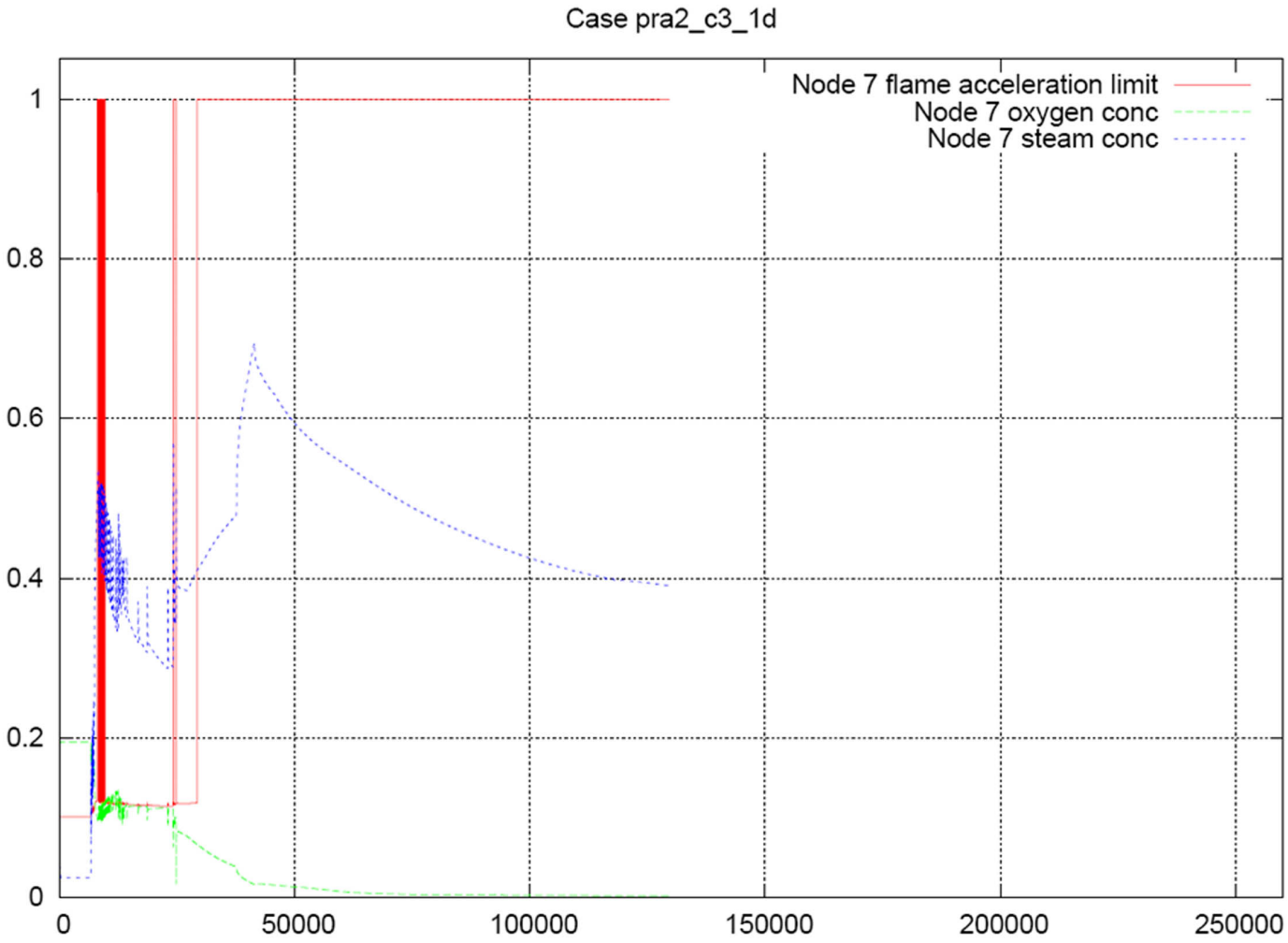

Figure A 99: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 7)

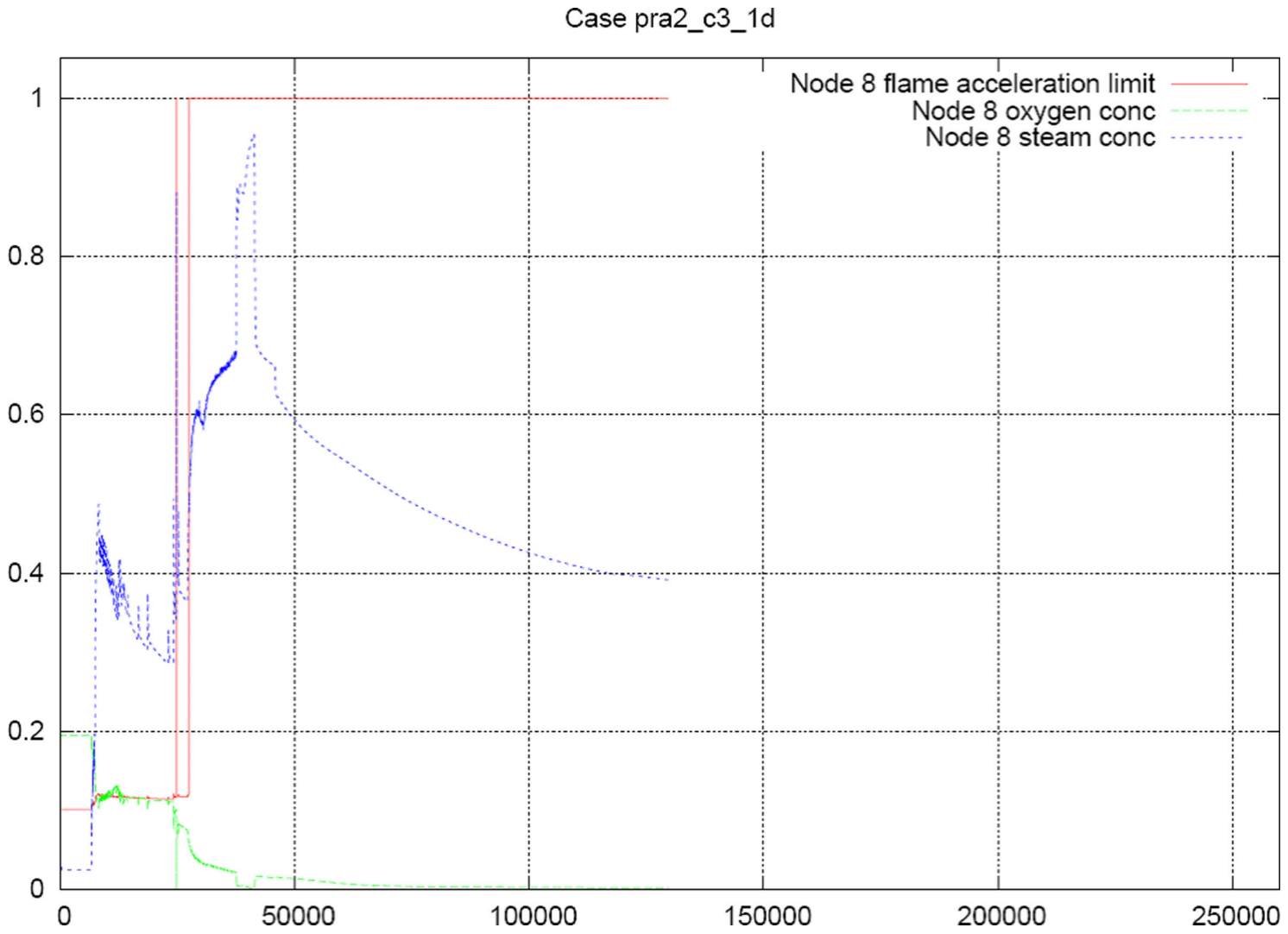

Figure A 100: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 8)

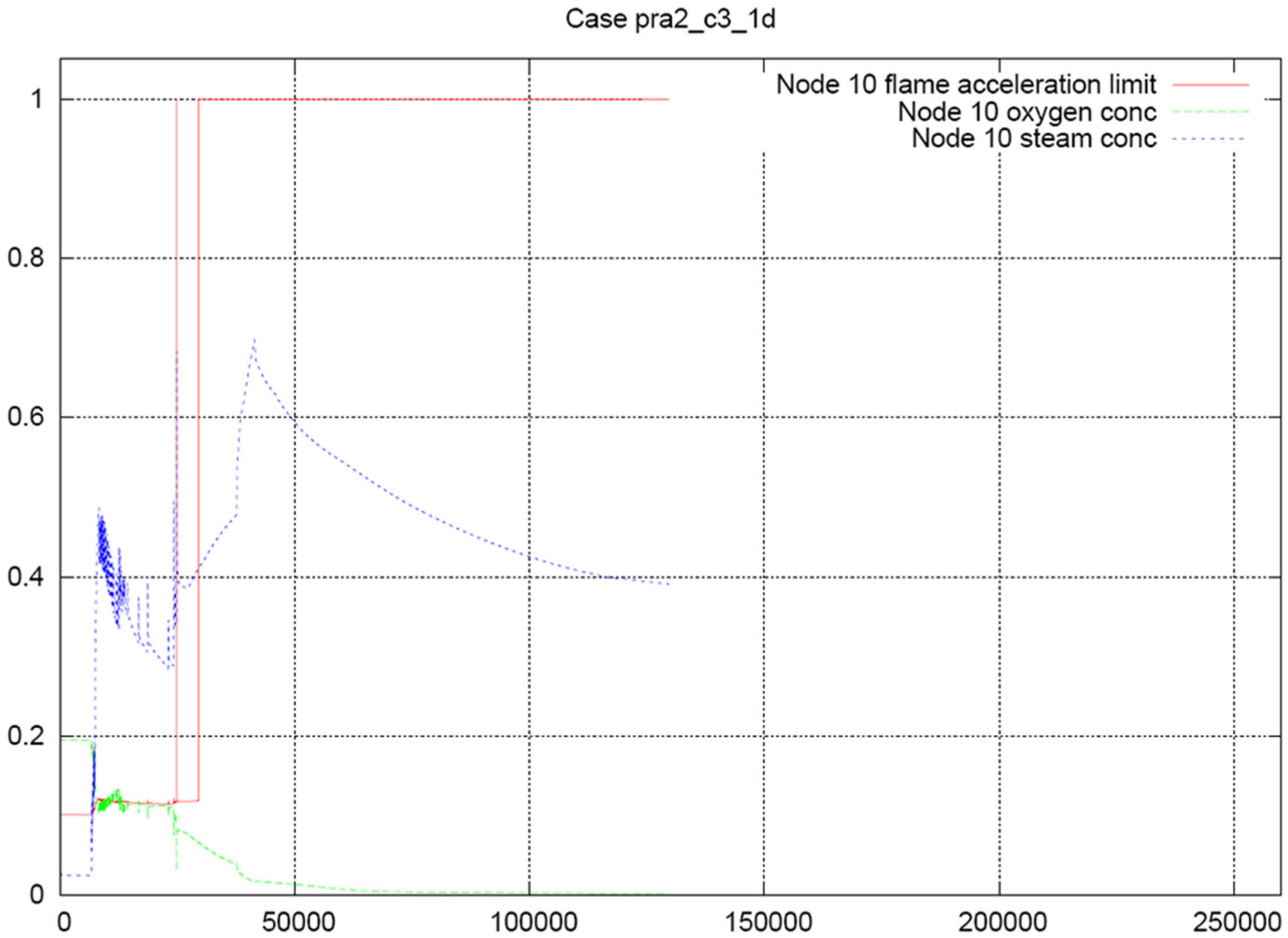

Figure A 101: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 10)

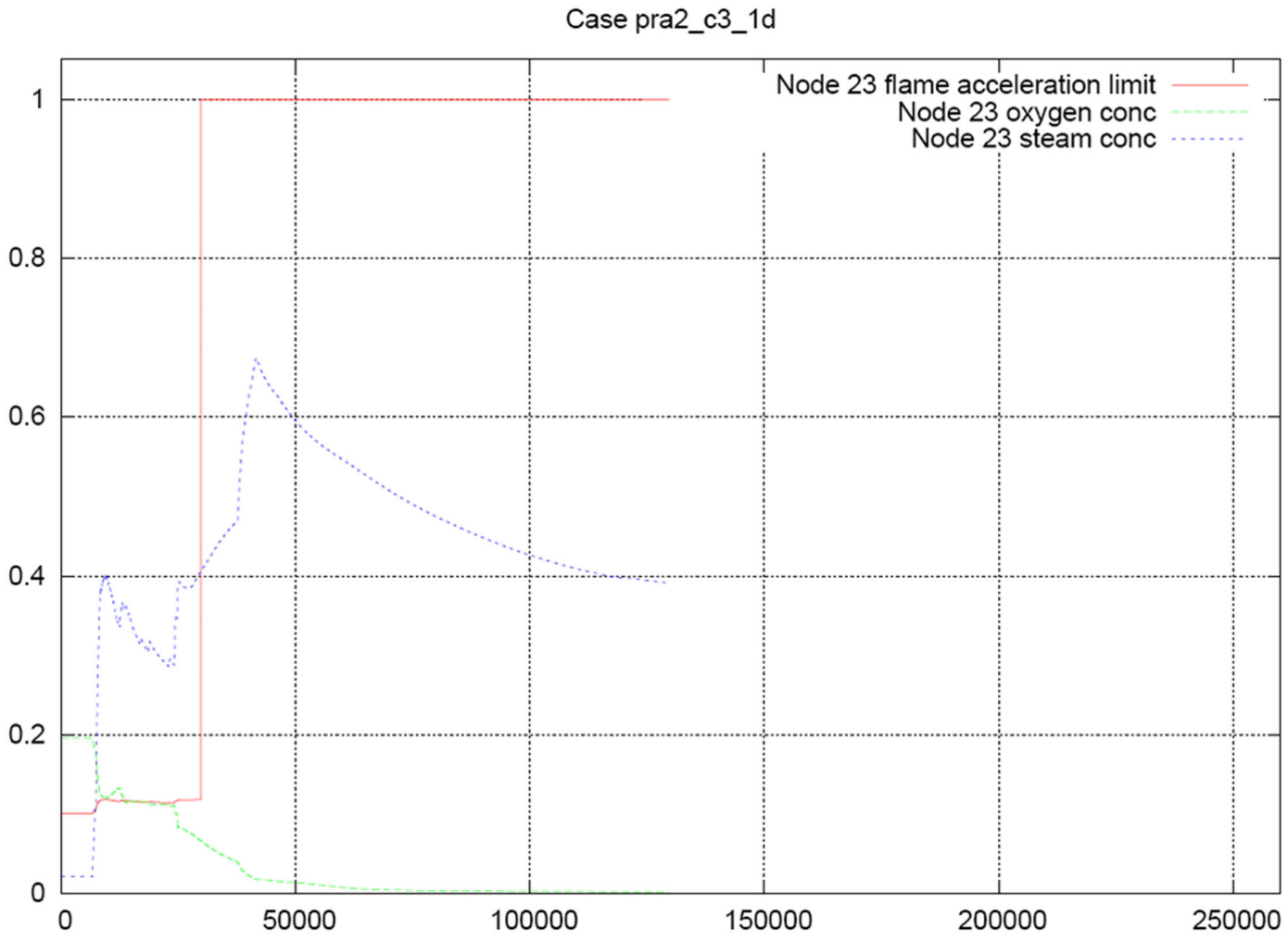

Figure A 102: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1d, containment node 23)

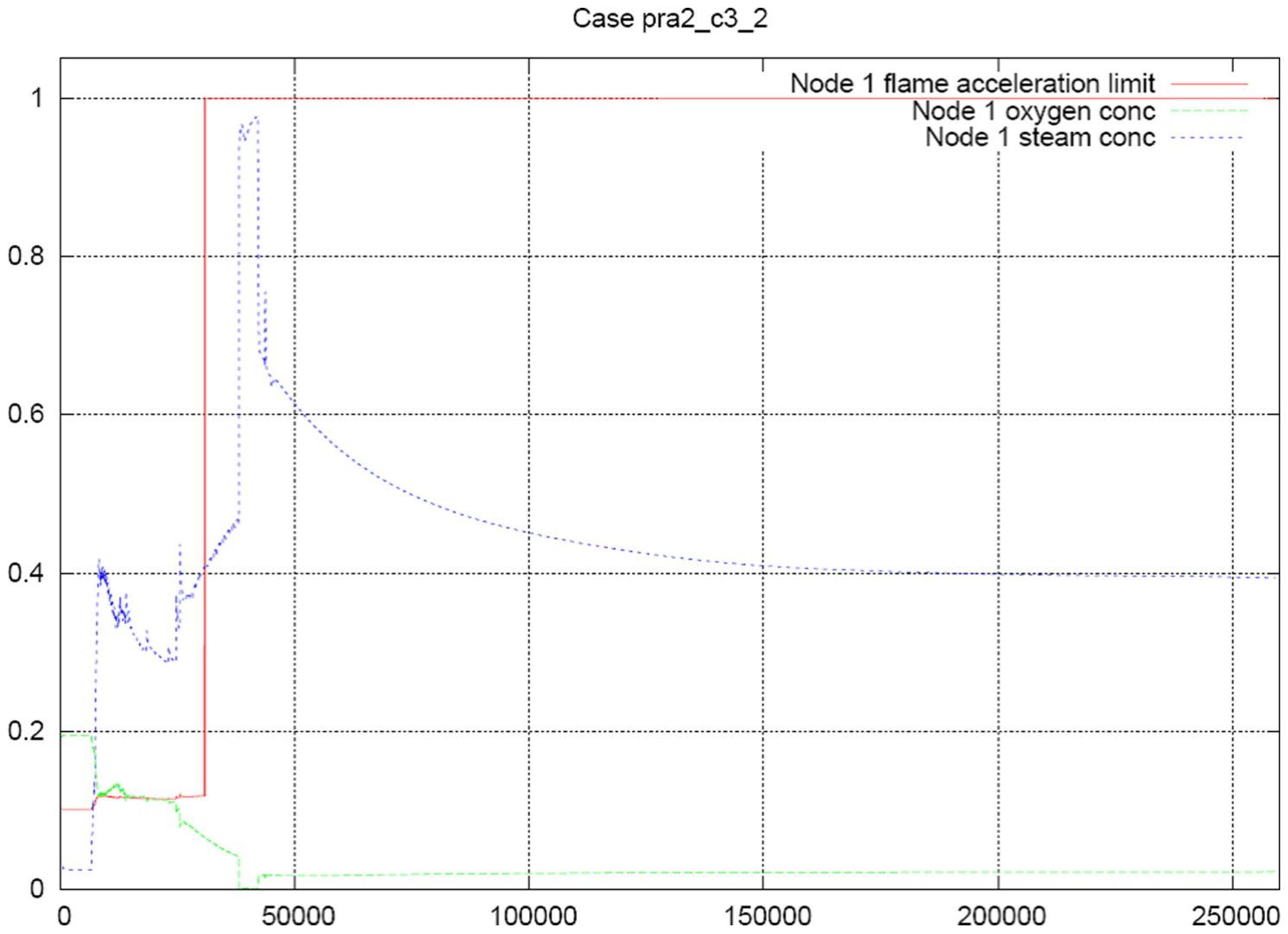

Figure A 103: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 1)

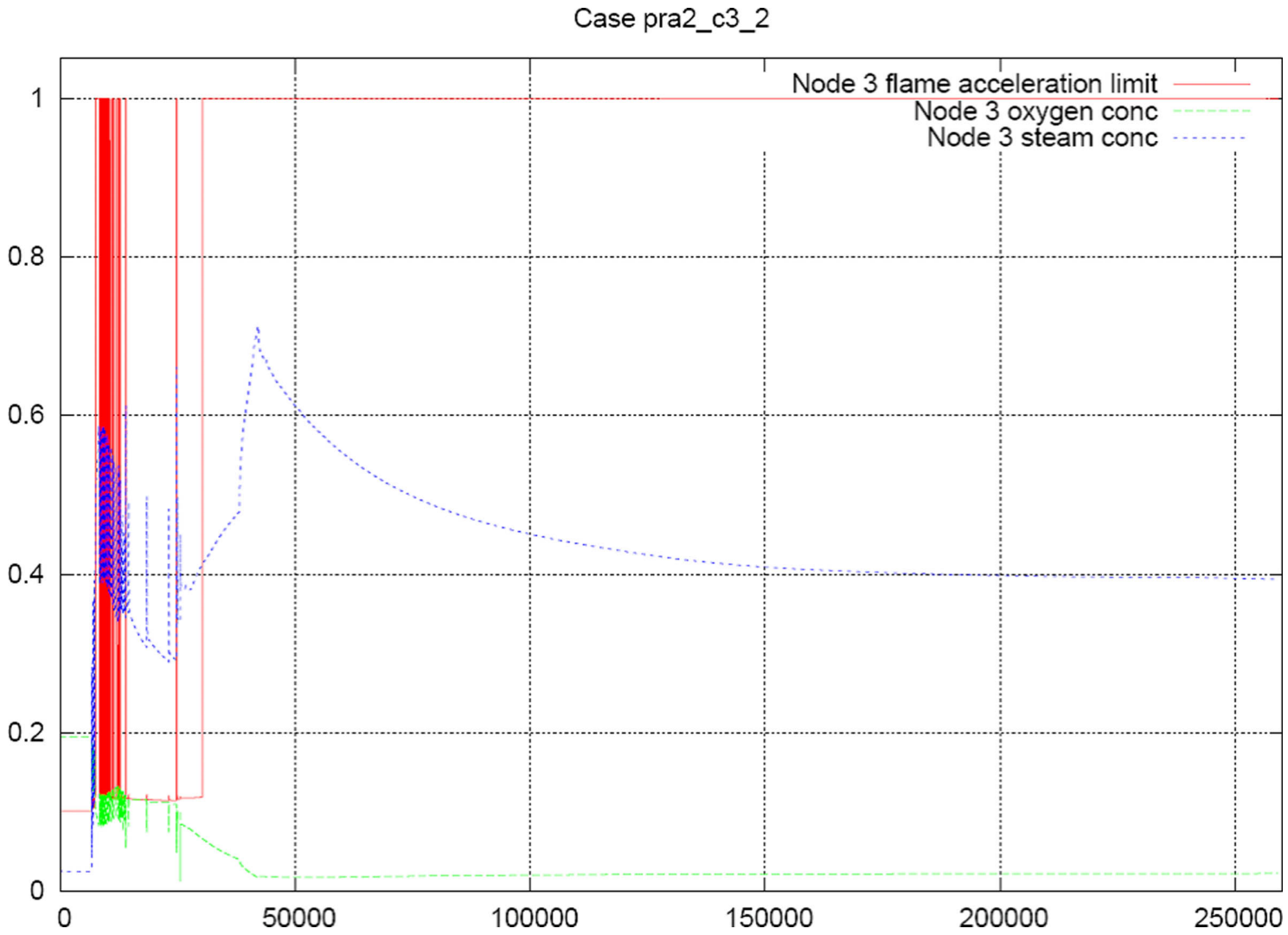

Figure A 104: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 3)

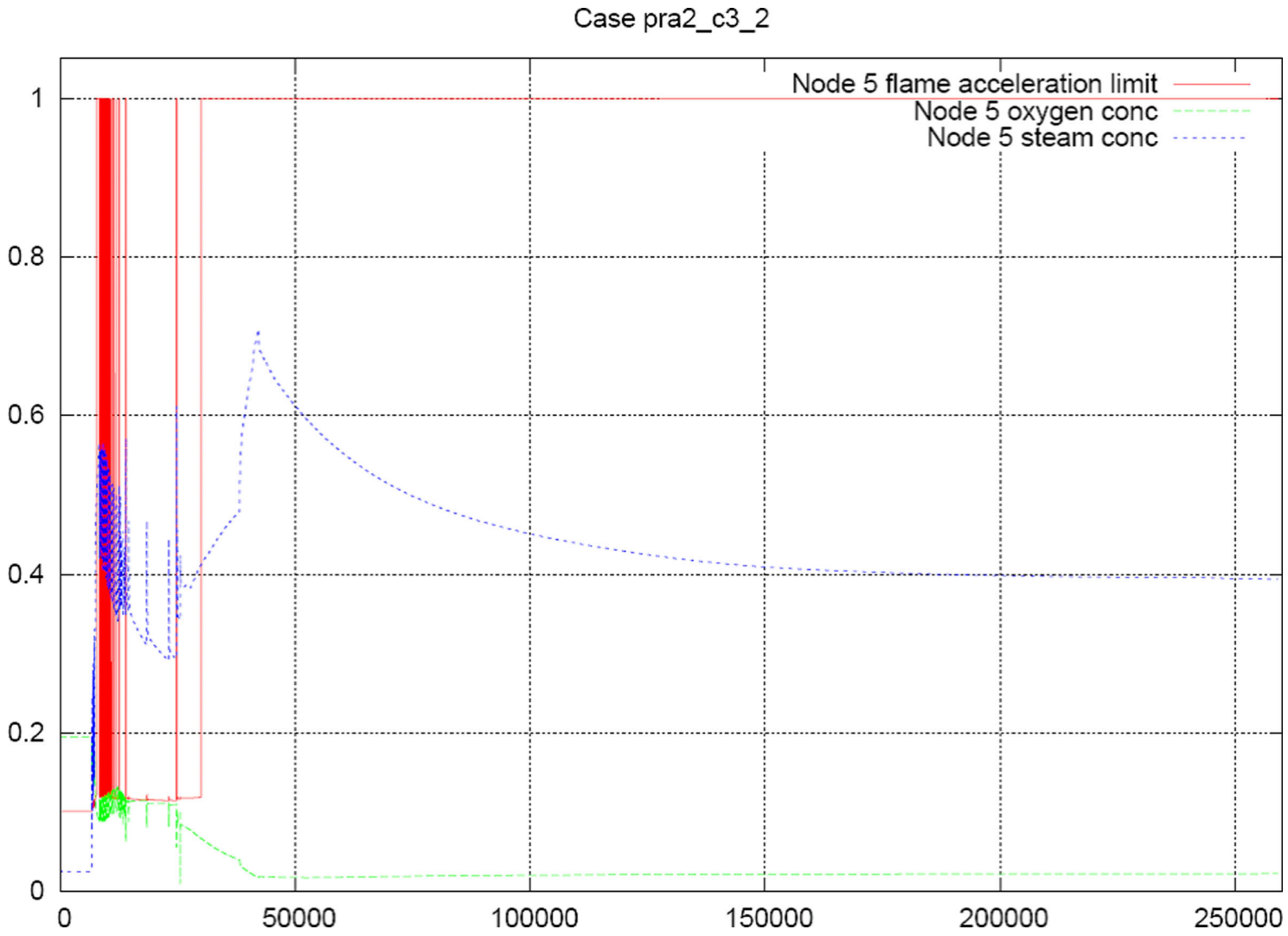

Figure A 105: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 5)

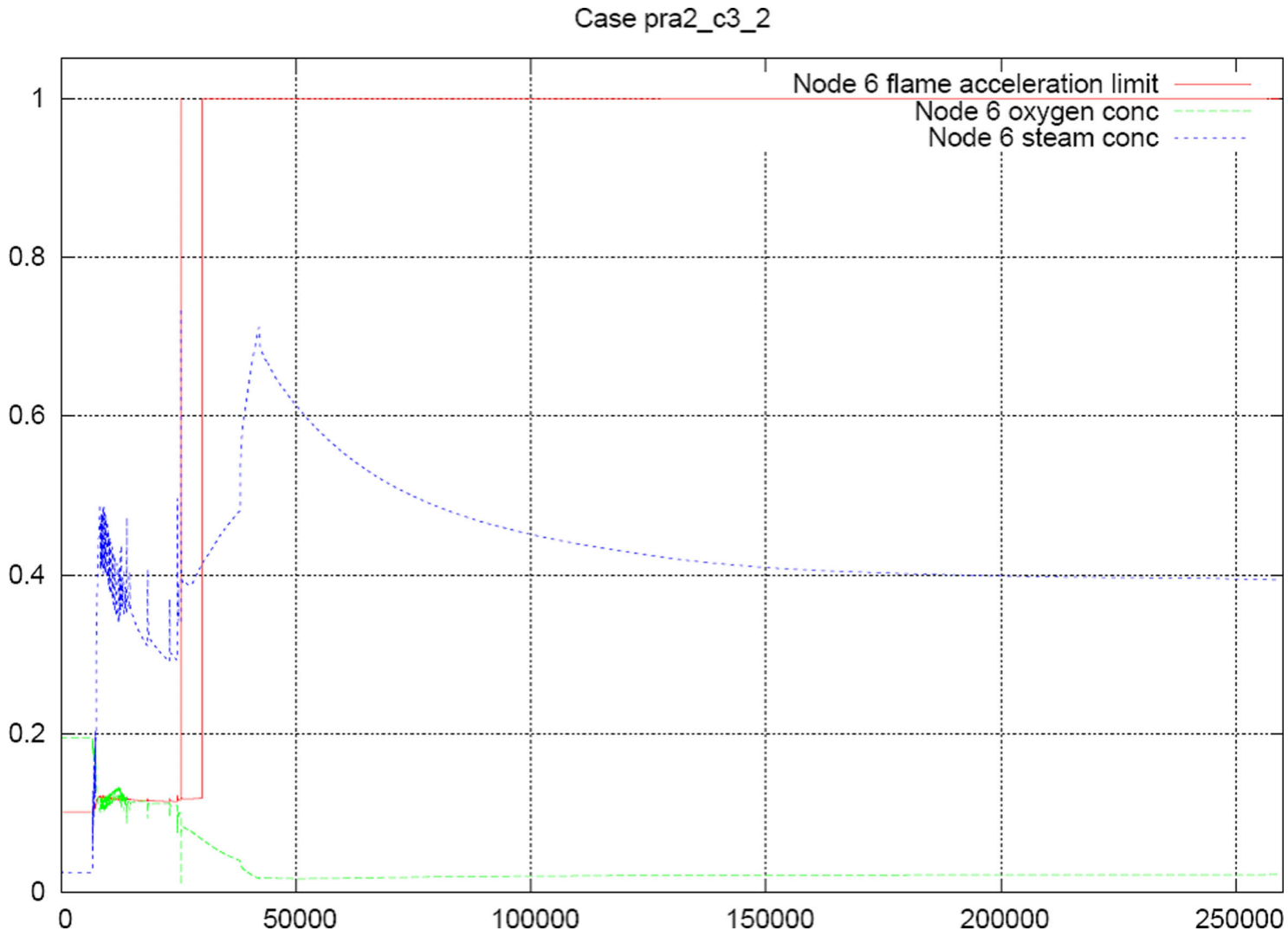

Figure A 106: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 6)

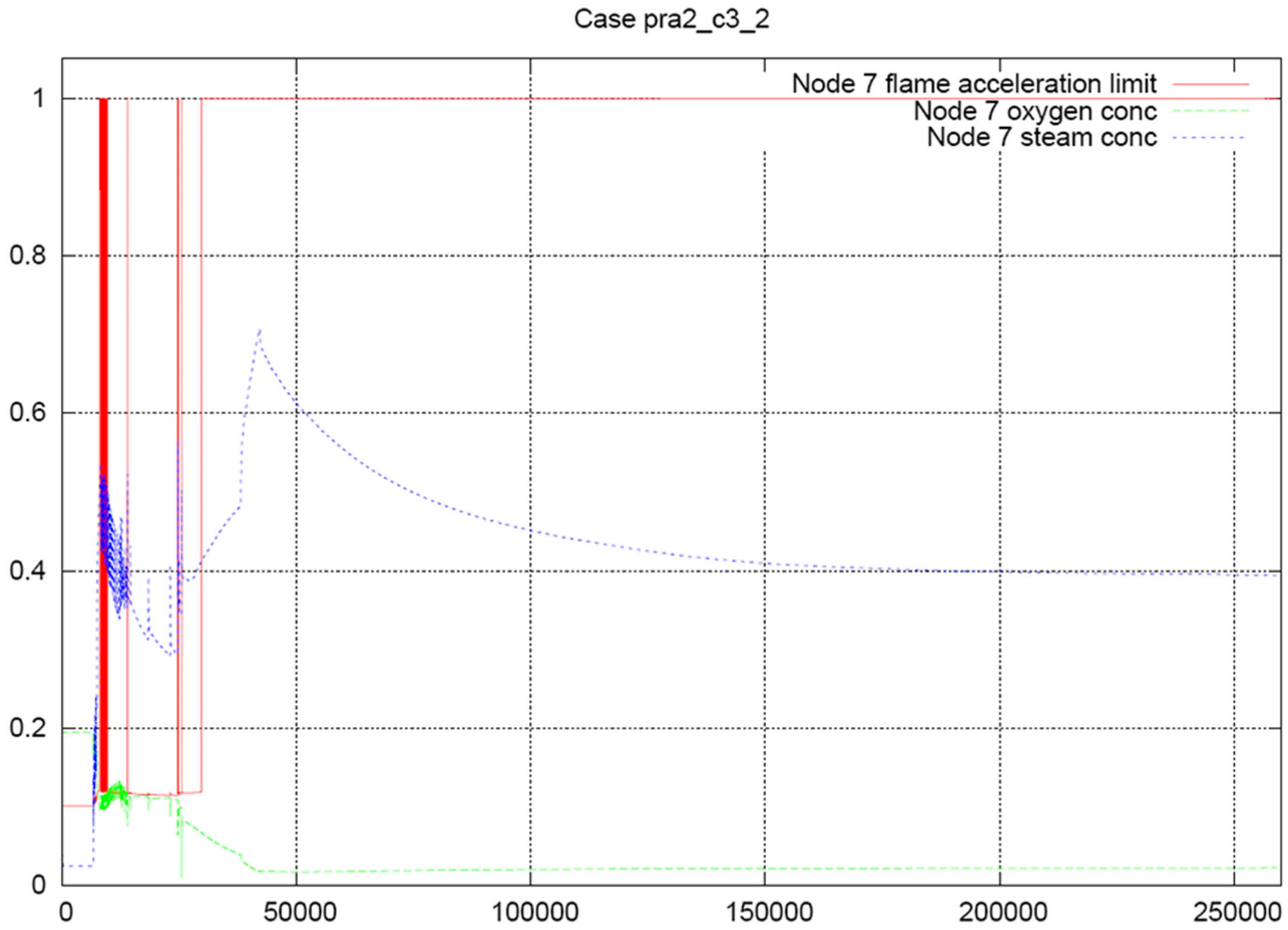

Figure A 107: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 7)

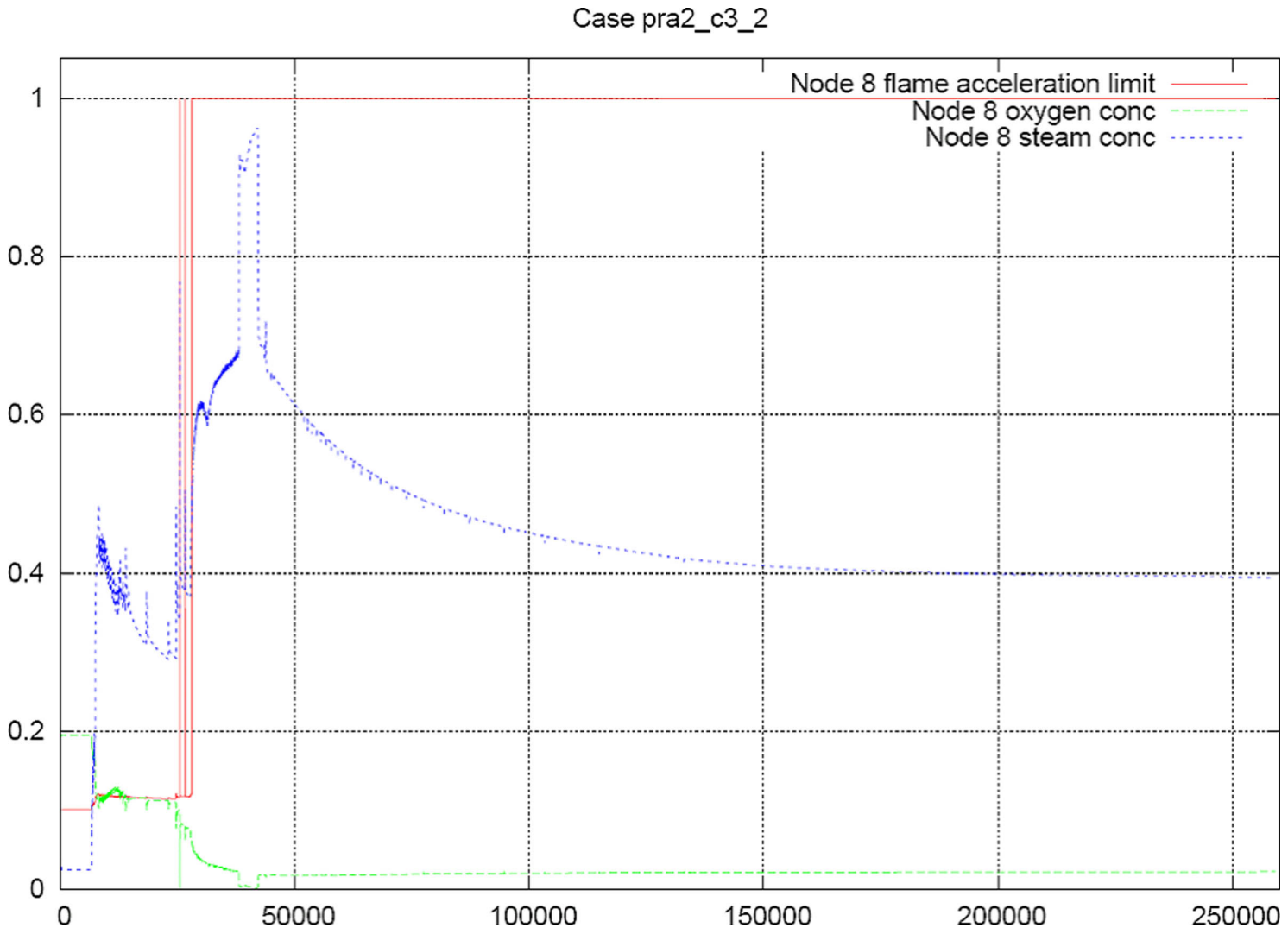

Figure A 108: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 8)

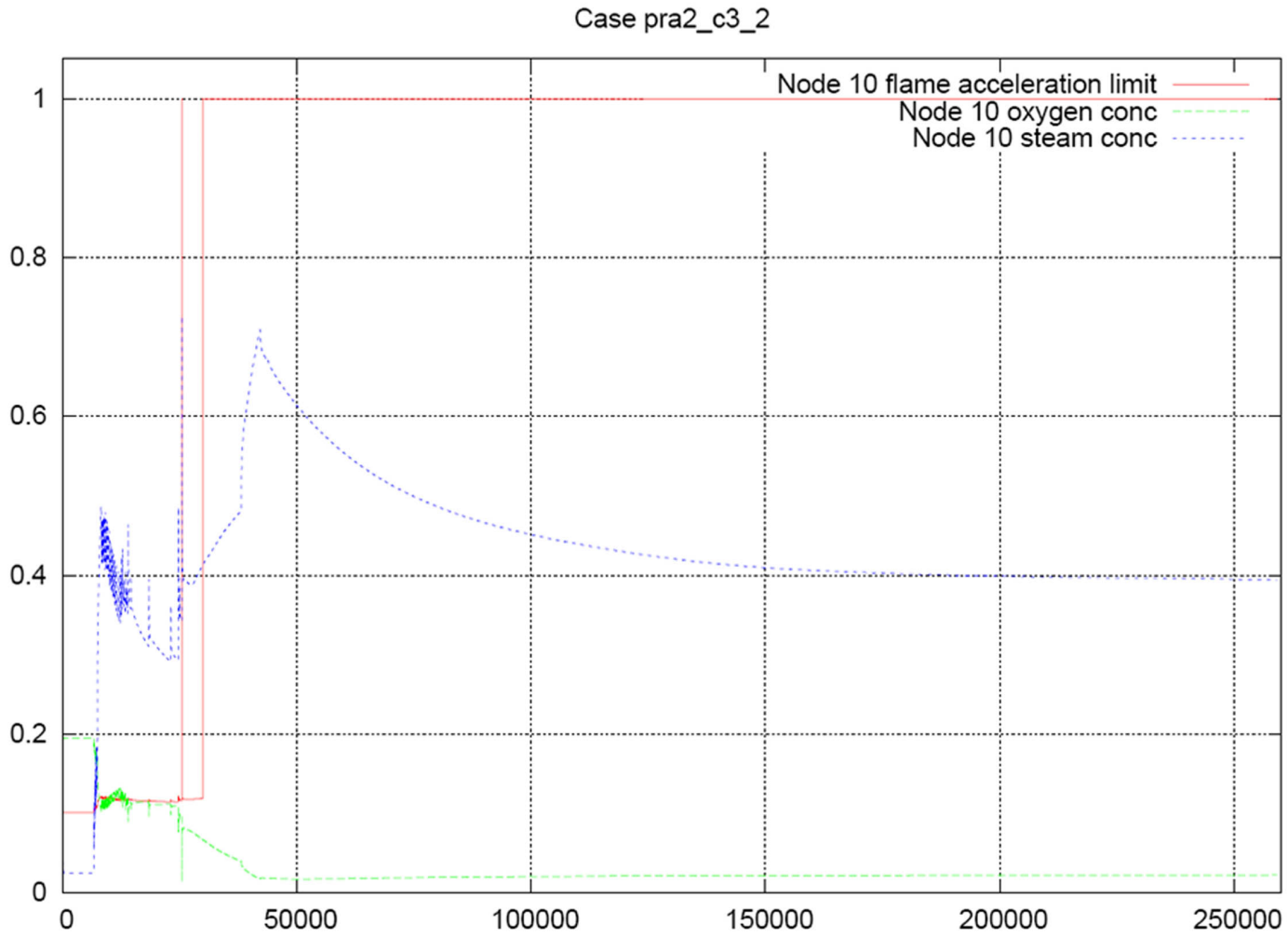

Figure A 109: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 10)

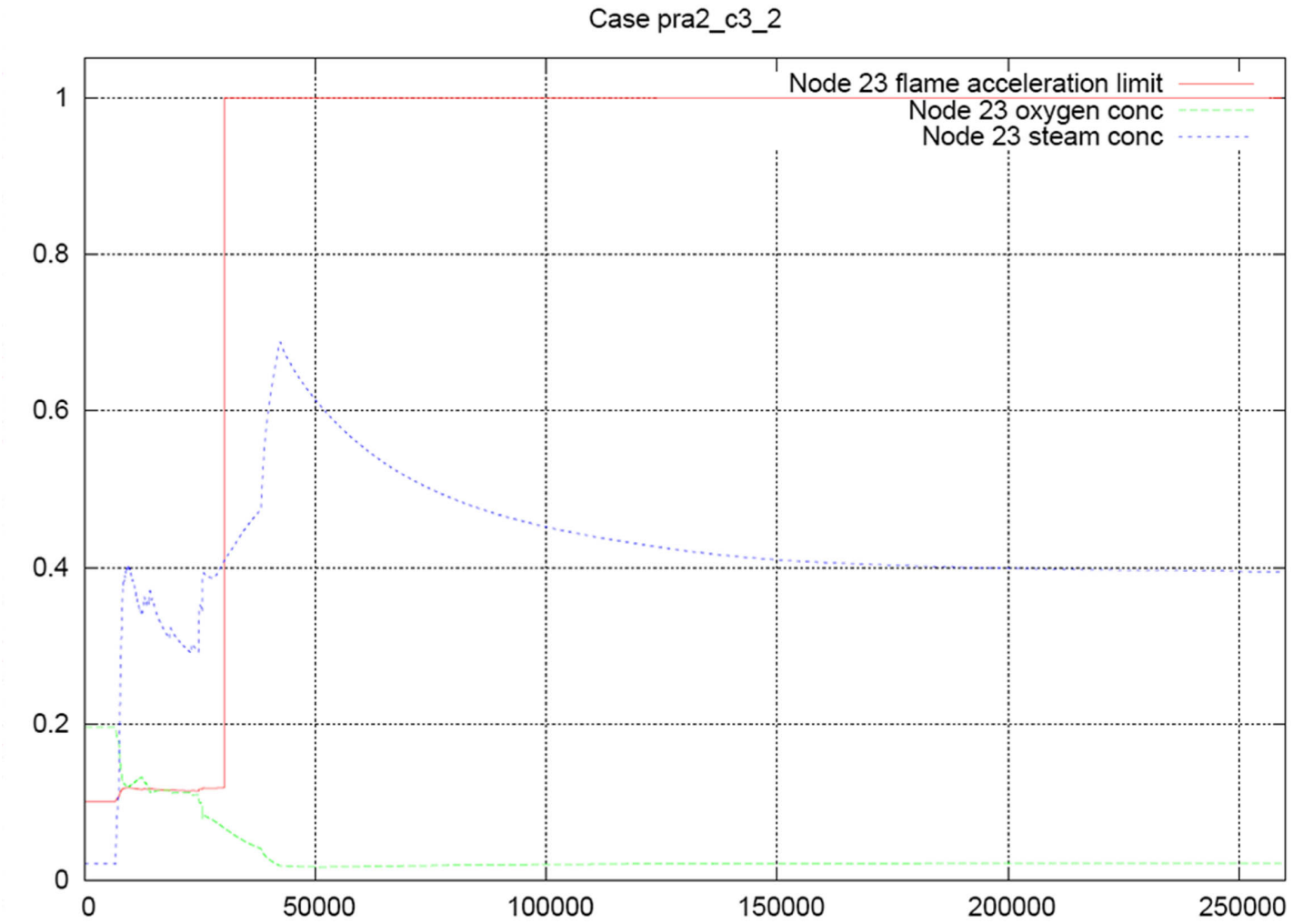

Figure A 110: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_2, containment node 23)

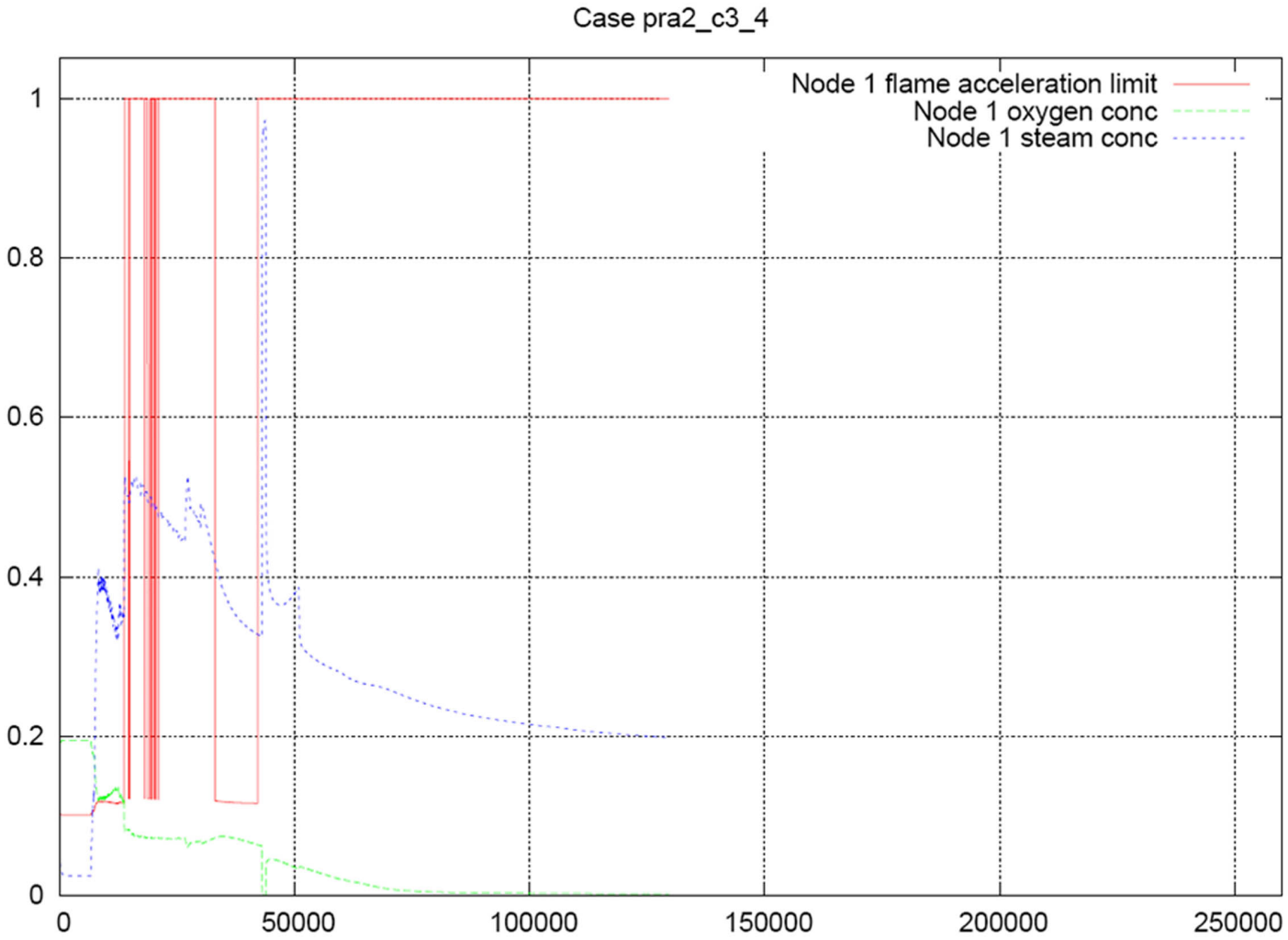

Figure A 111: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_4, containment node 1)

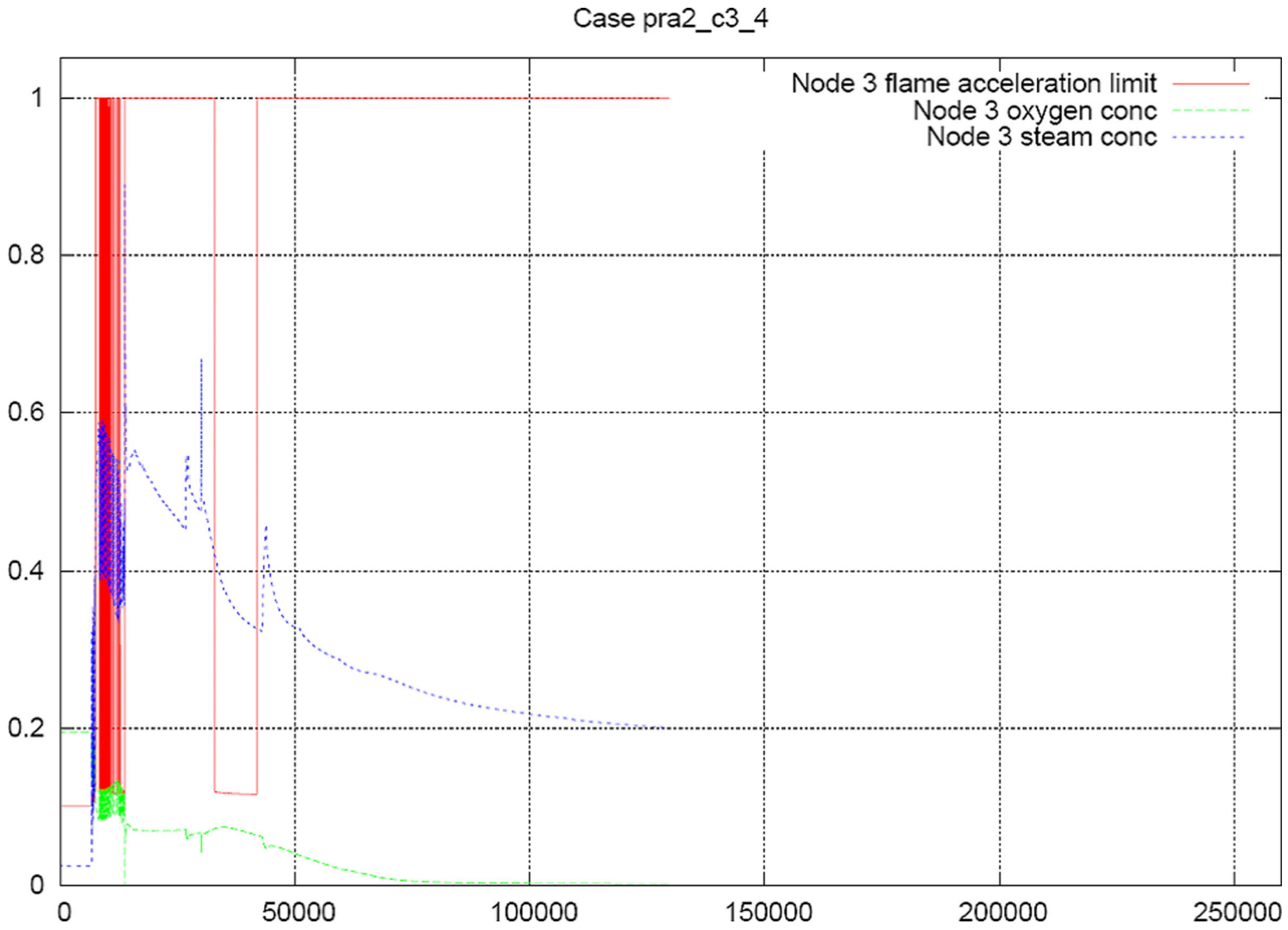

Figure A 112: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_4, containment node 3)

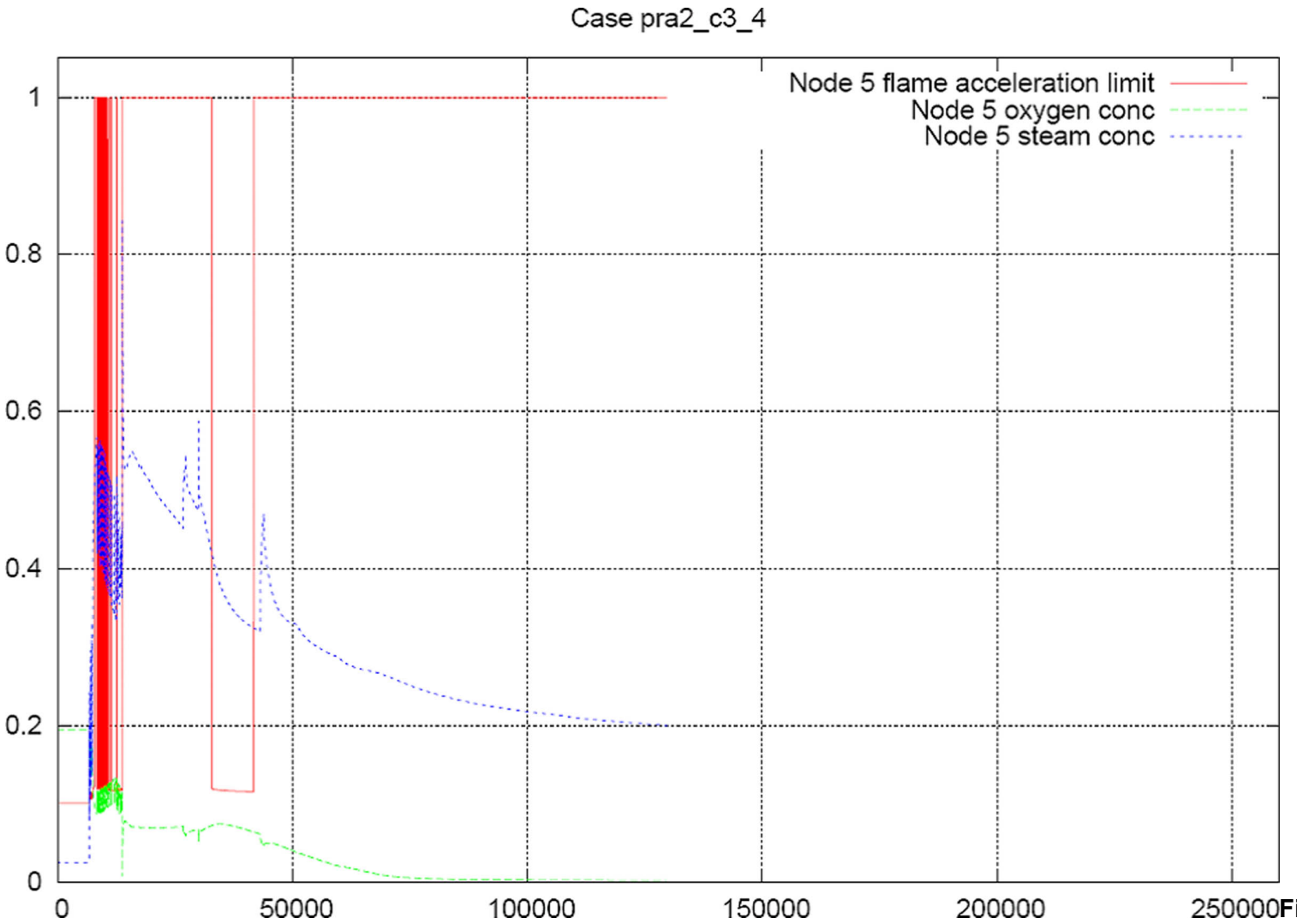

Figure A 113: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_4, containment node 5)

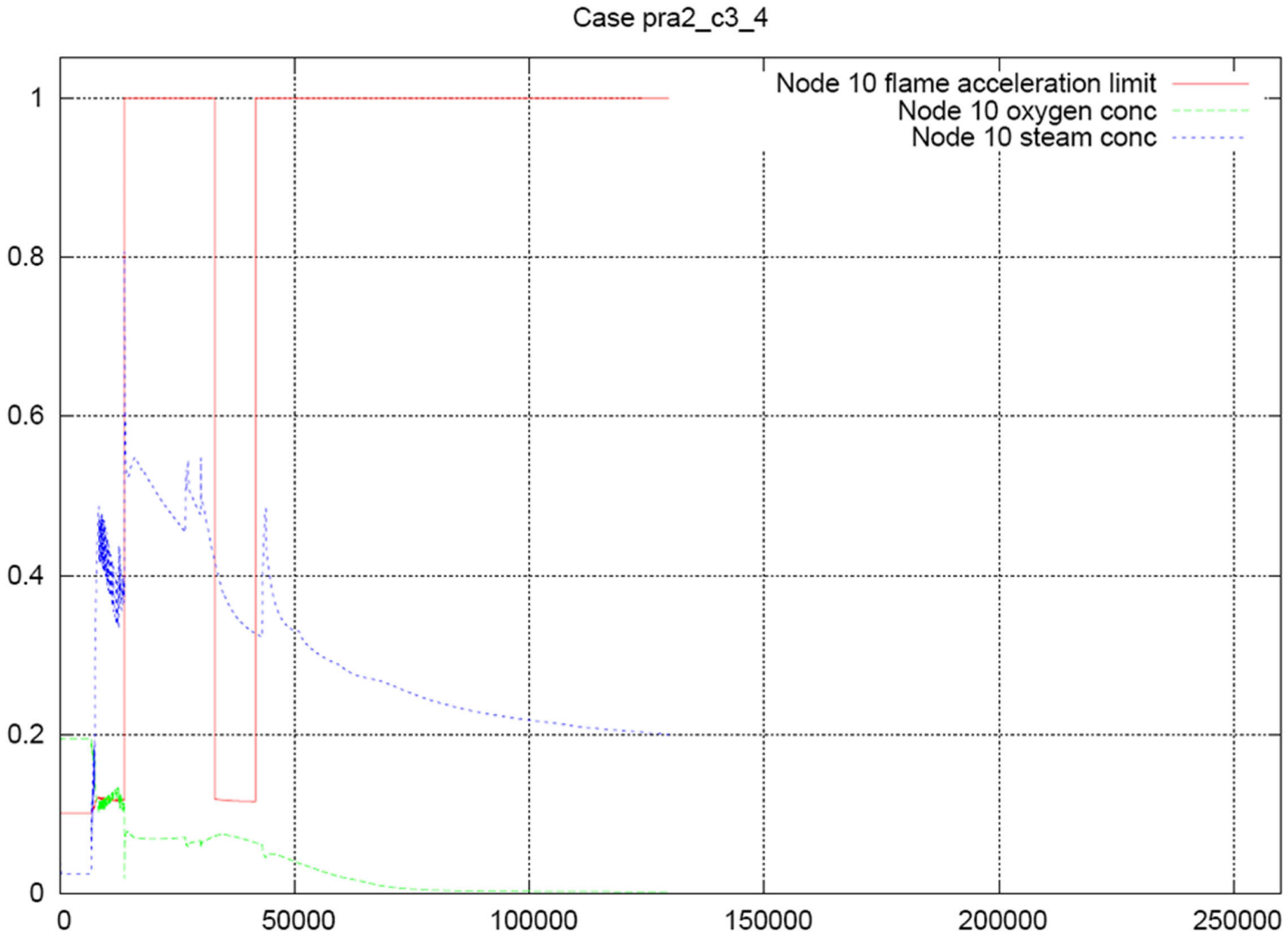

Figure A 114: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_4, containment node 10)

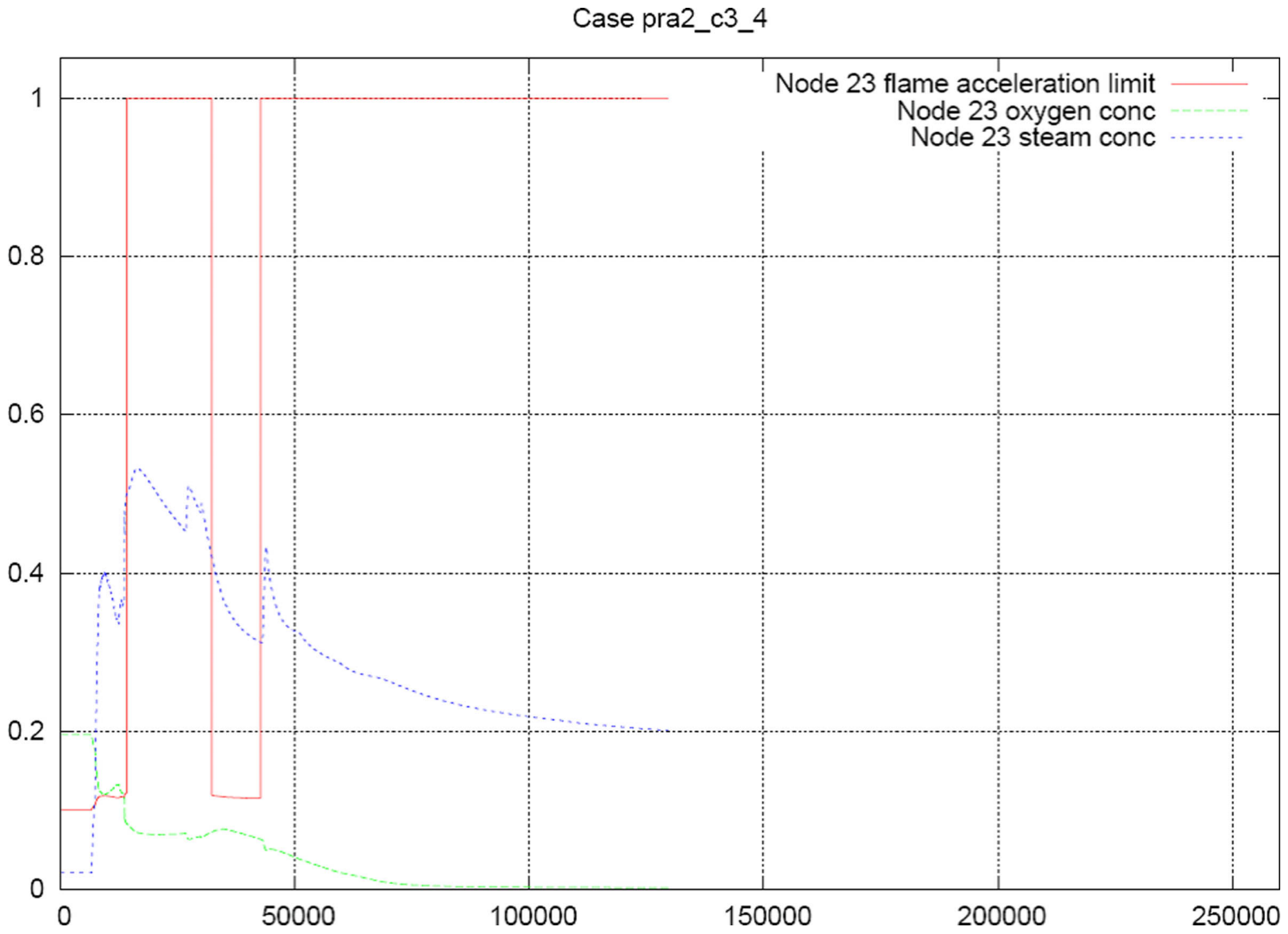

Figure A 115: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_4, containment node 23)

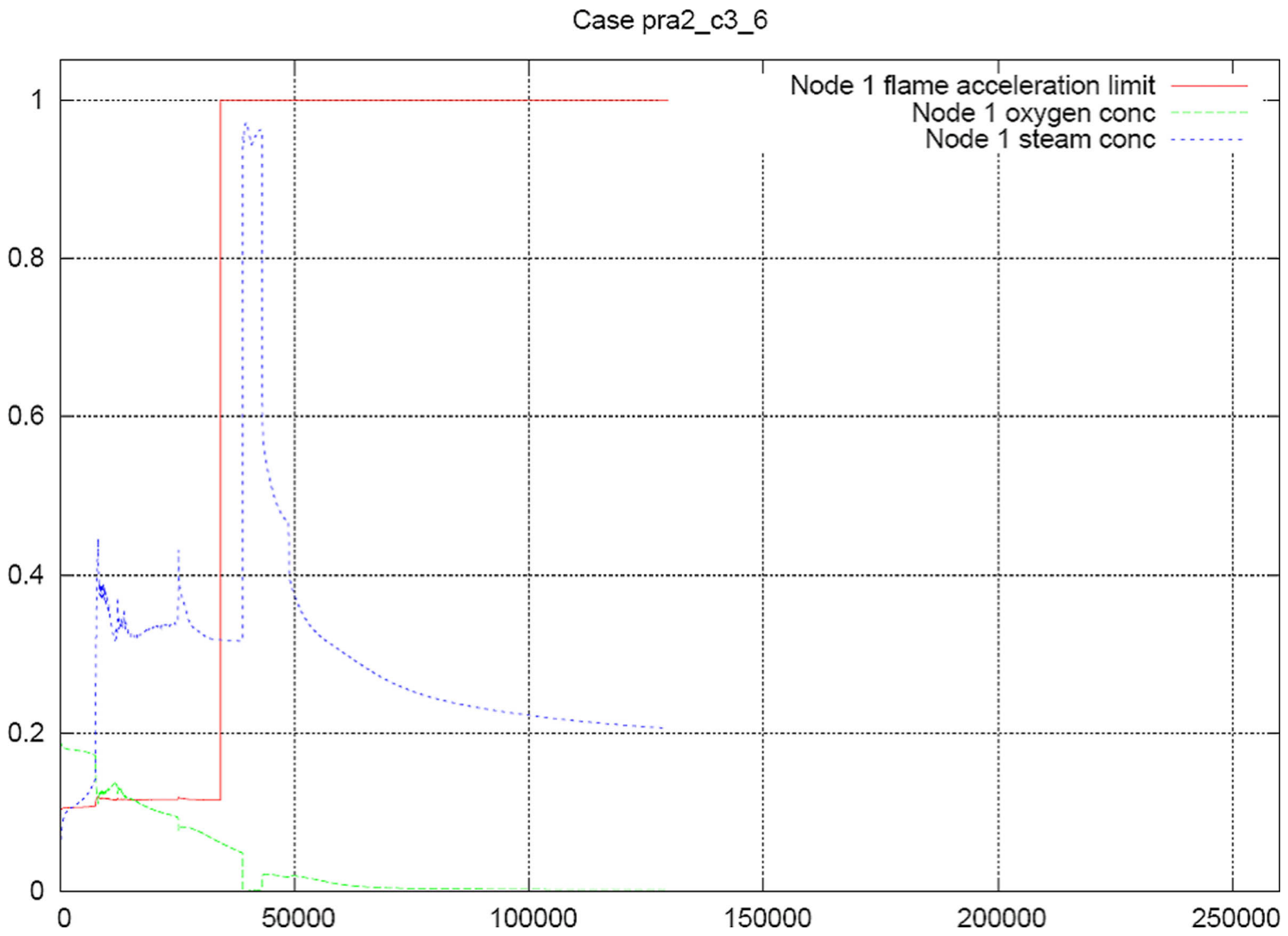

Figure A 116: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 1)

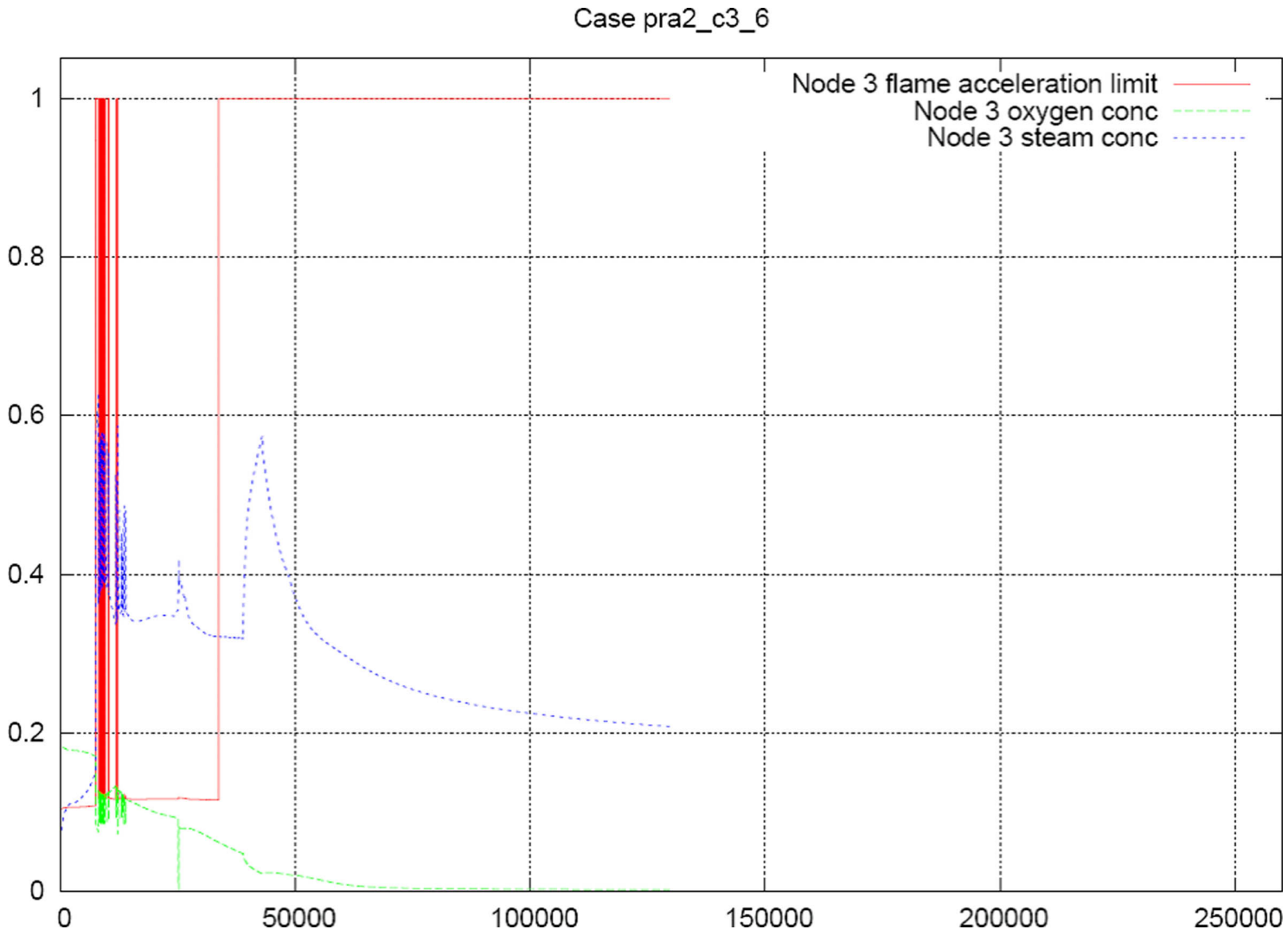

Figure A 117: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 3)

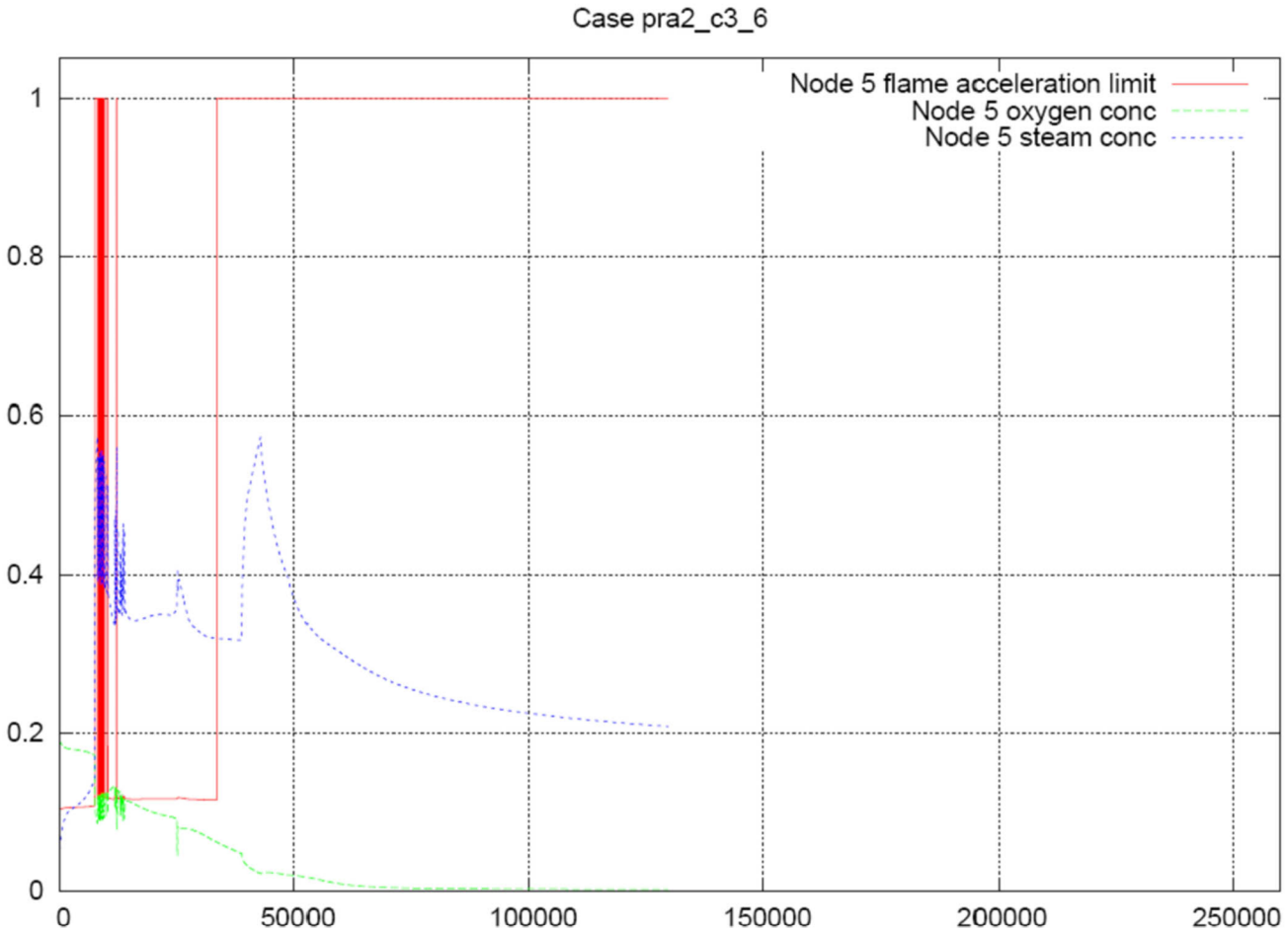

Figure A 118: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 5)

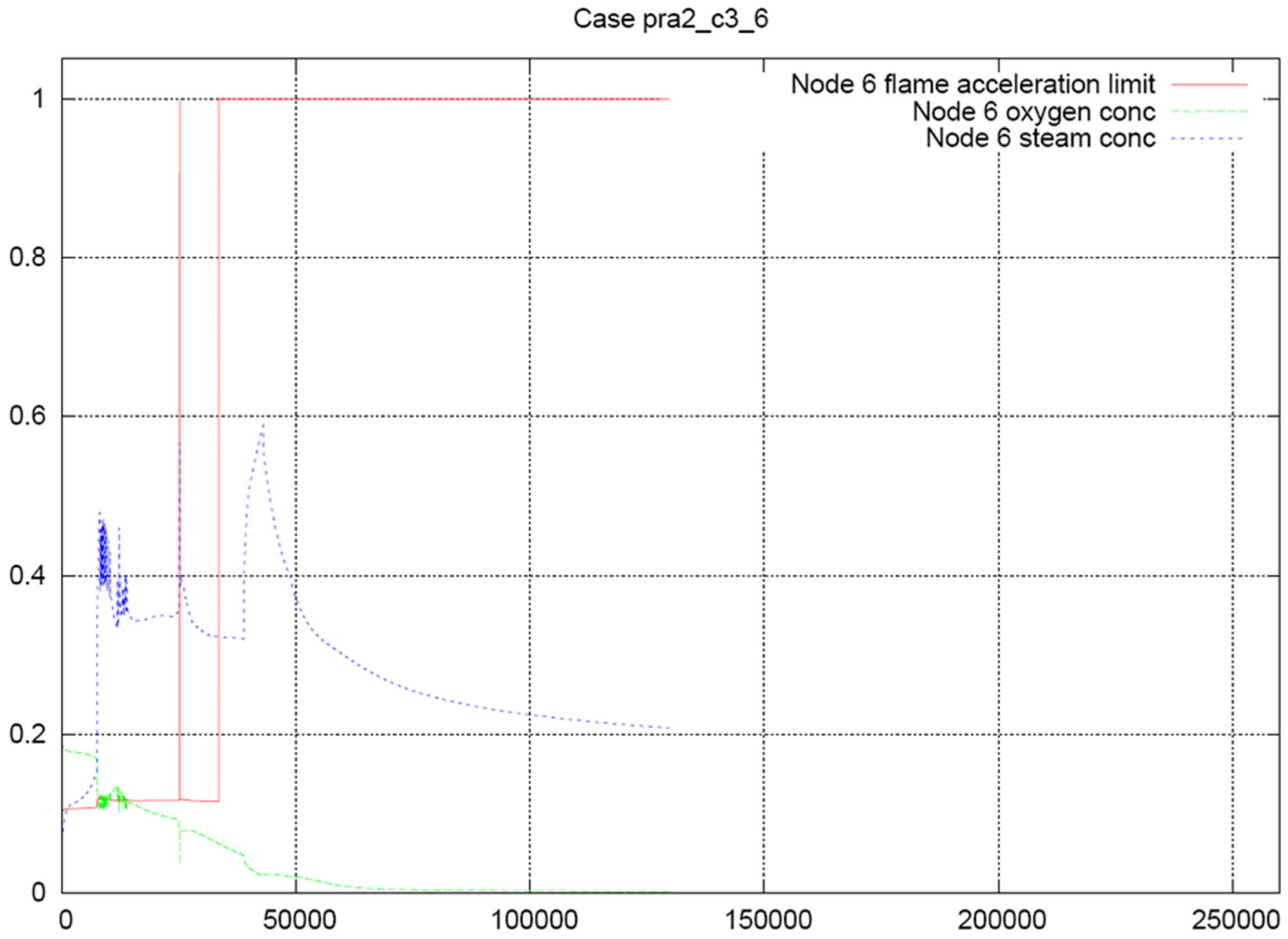

Figure A 119: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 6)

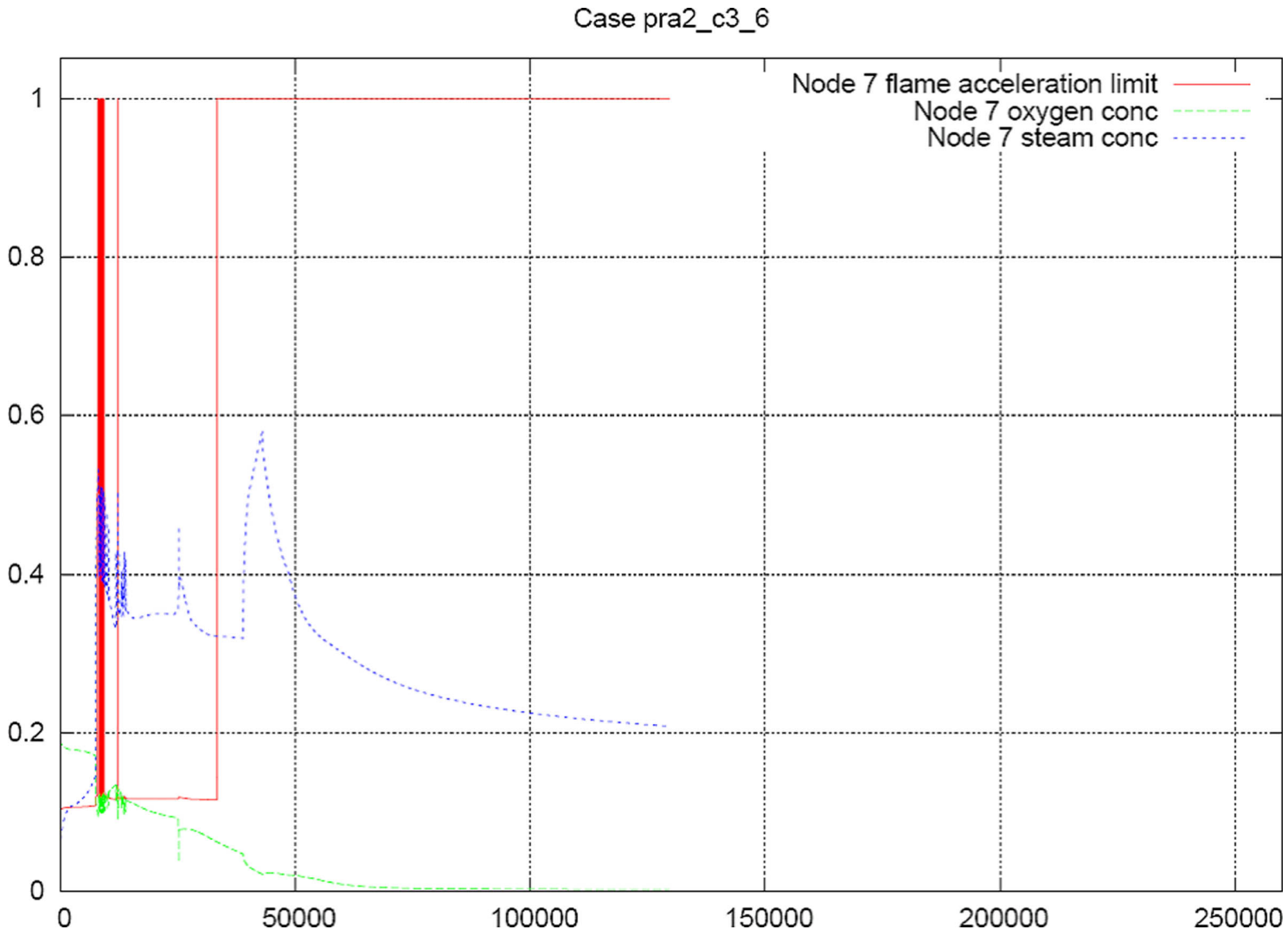

Figure A 120: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 7)

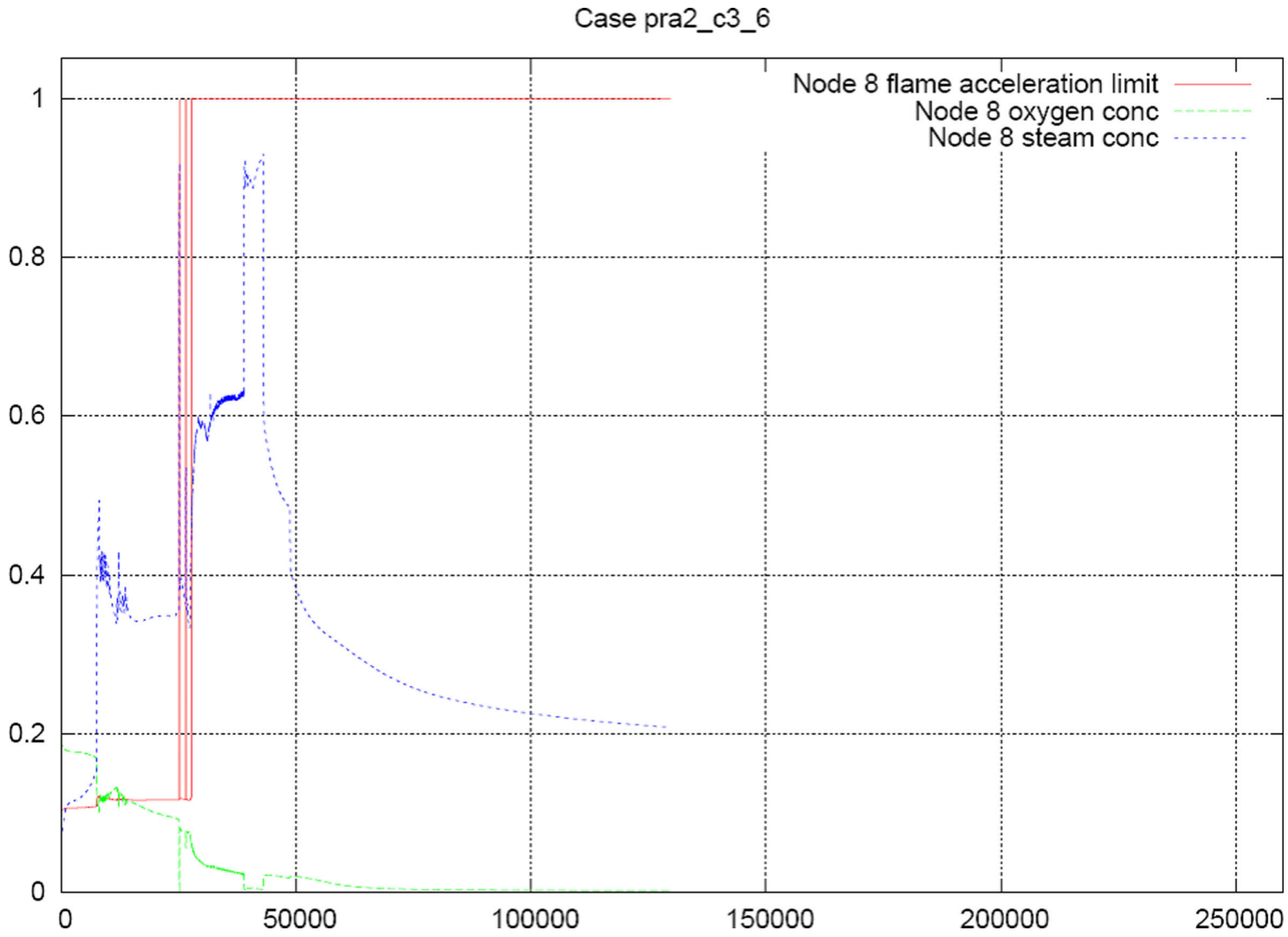

Figure A 121: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 8)

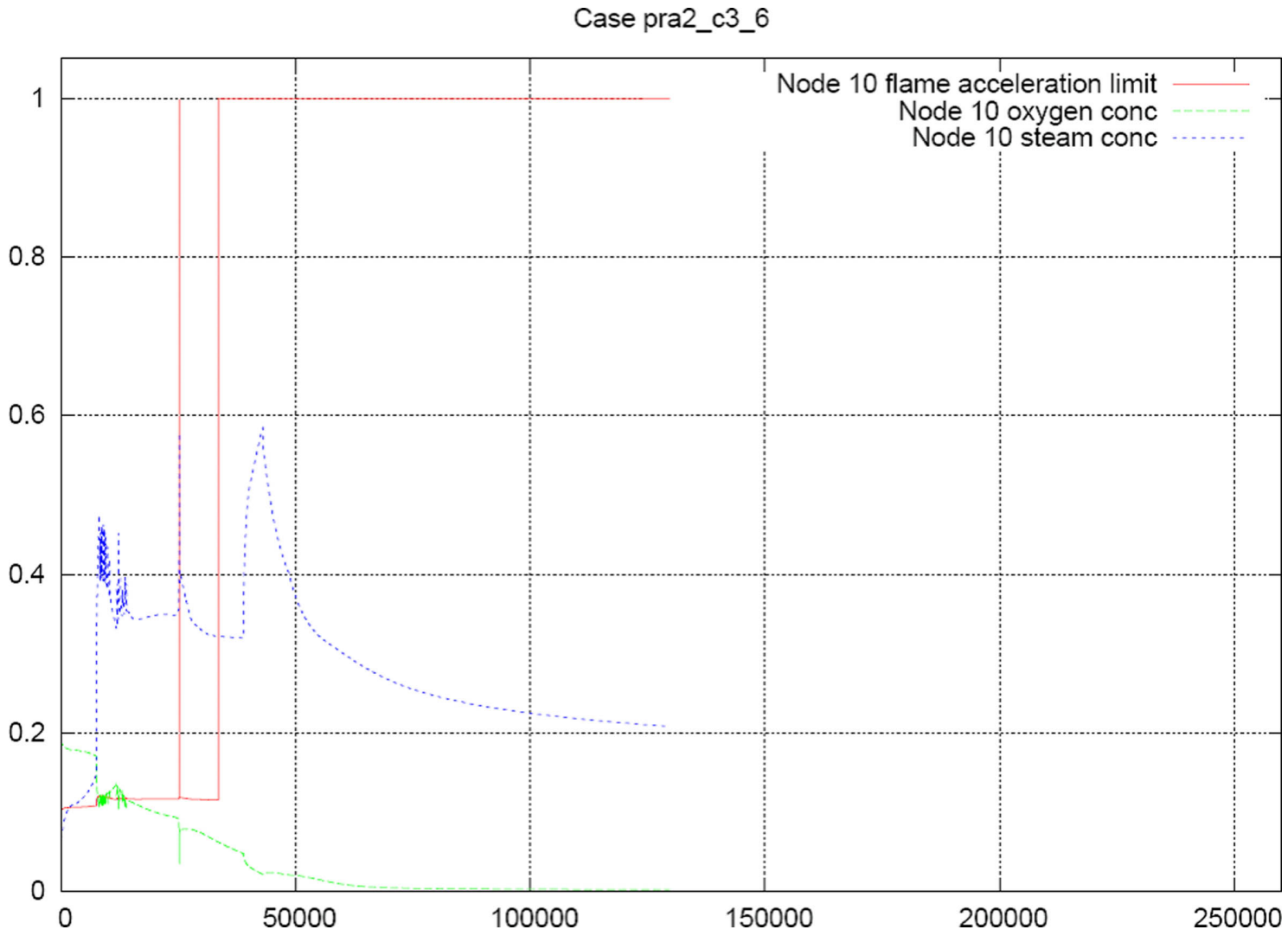

Figure A 122: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 10)

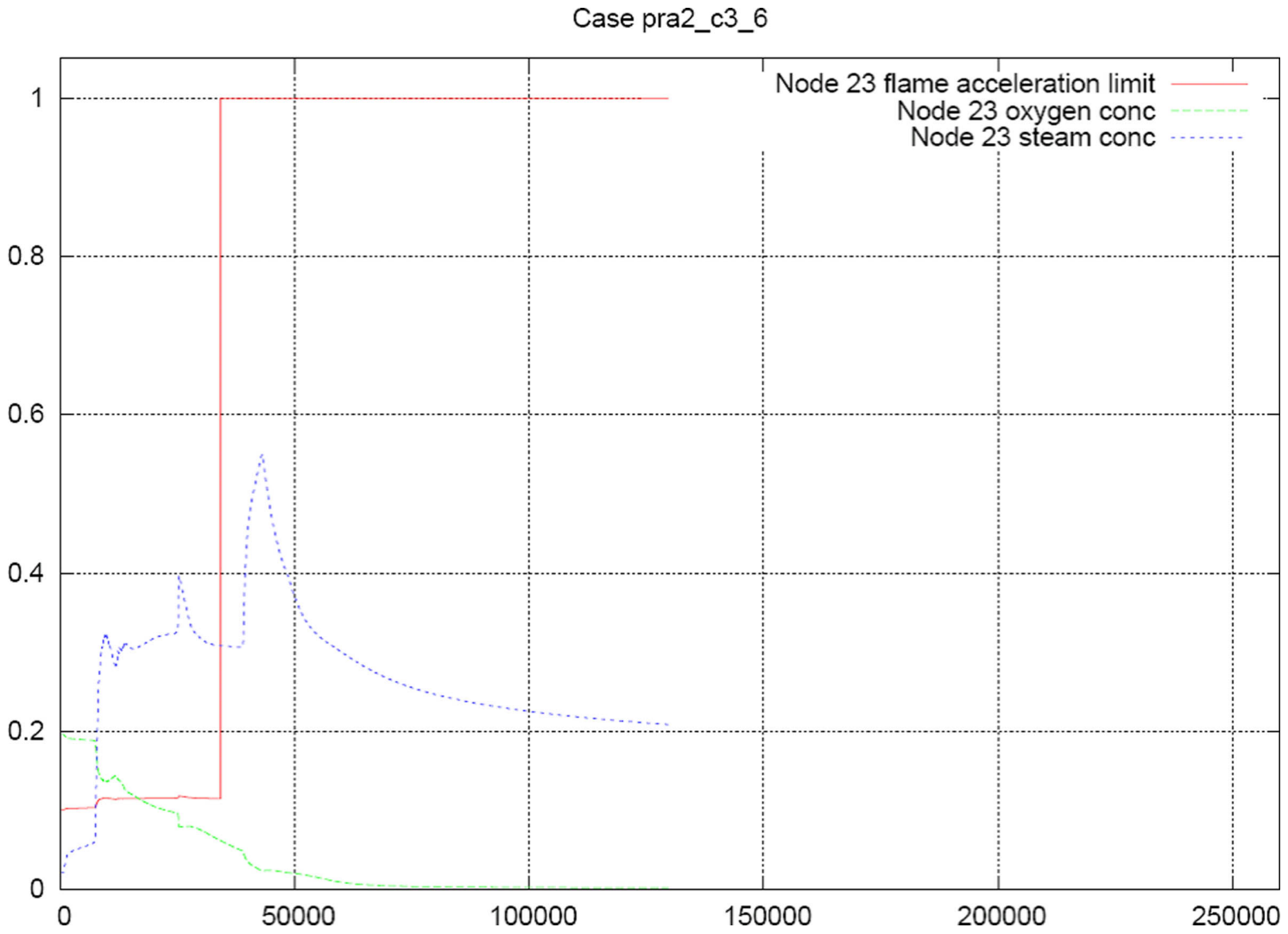

Figure A 123: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_6, containment node 23)

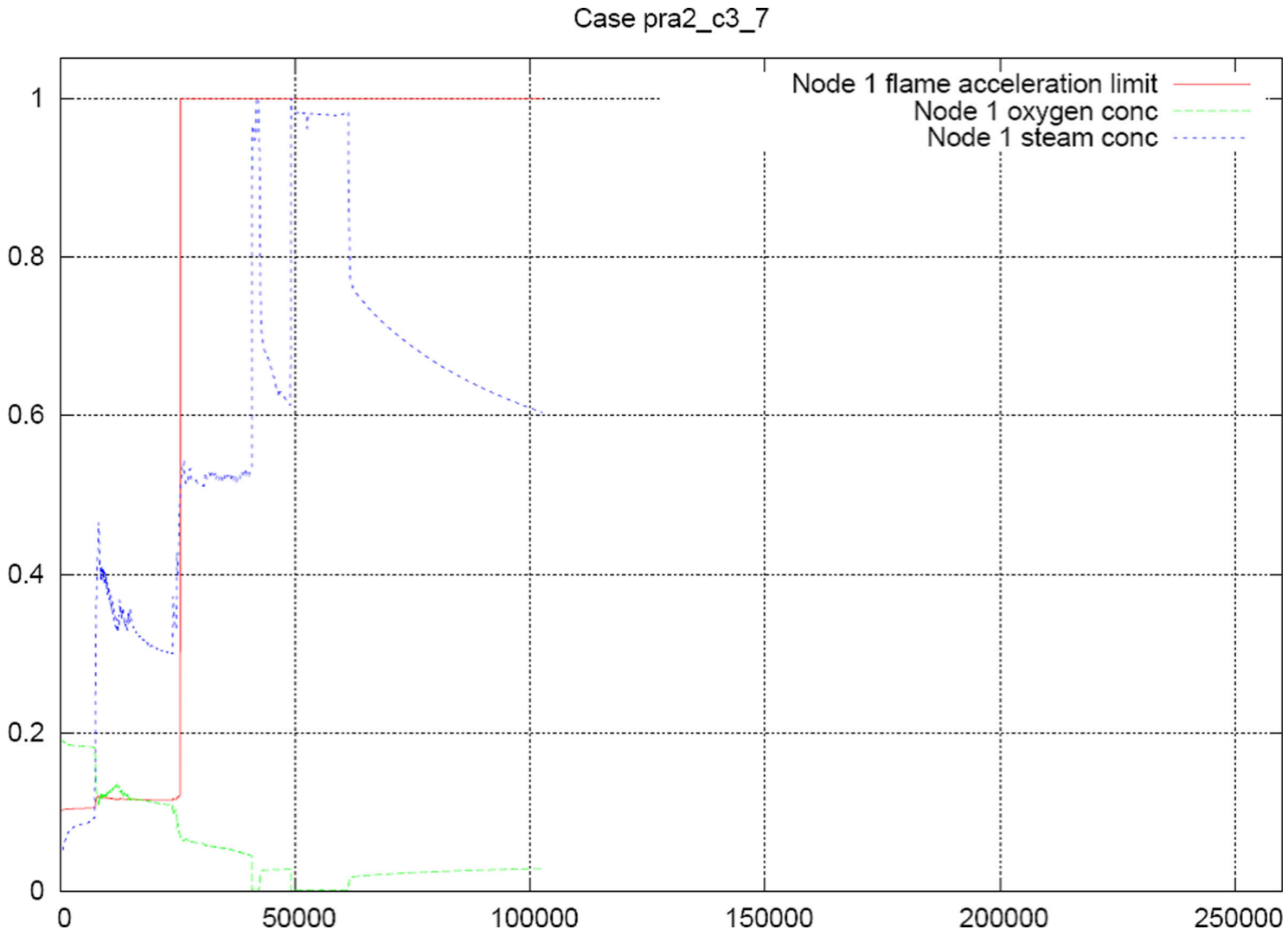

Figure A 124: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_7, containment node 1)

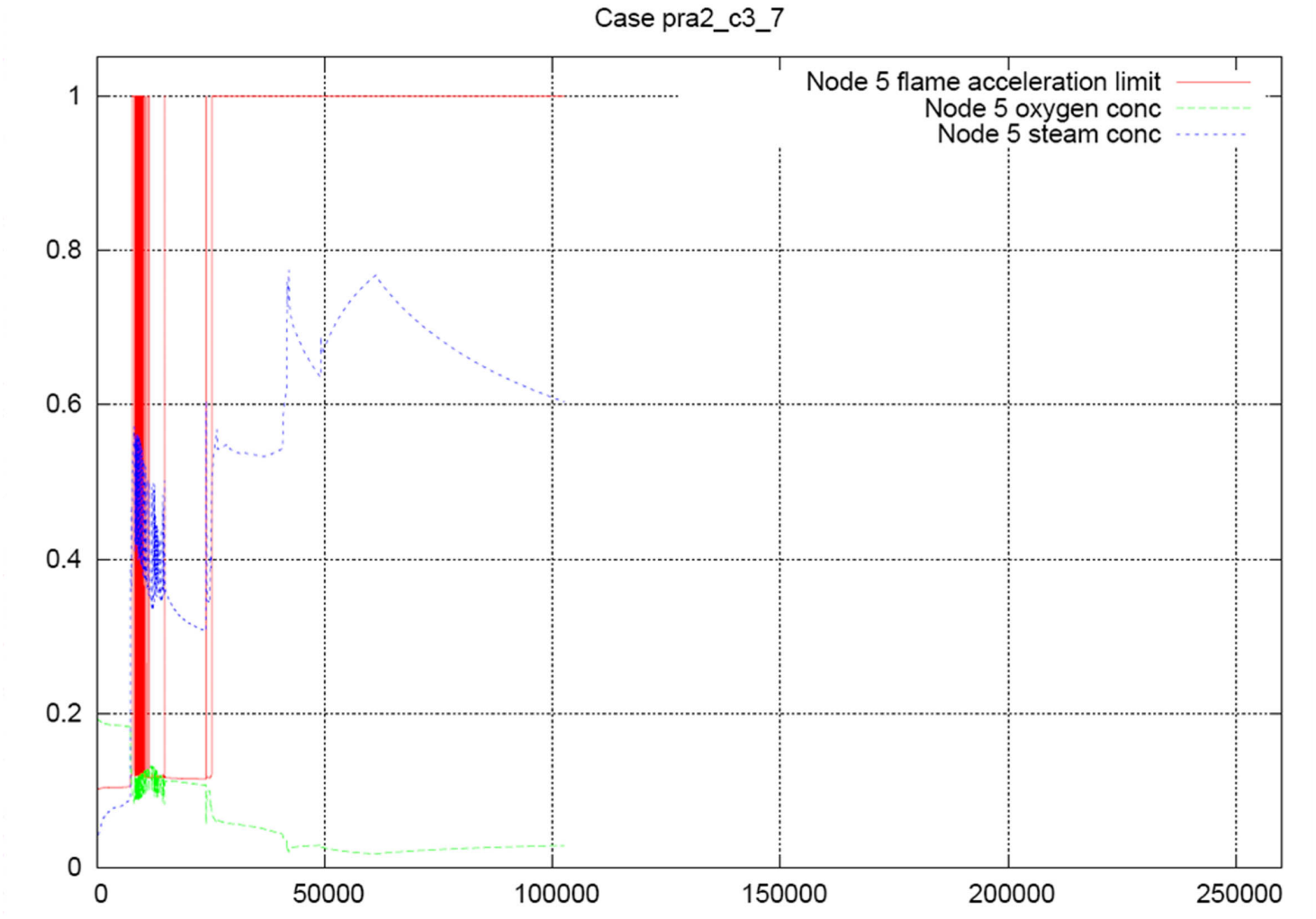

Figure A 125: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_7, containment node 5)

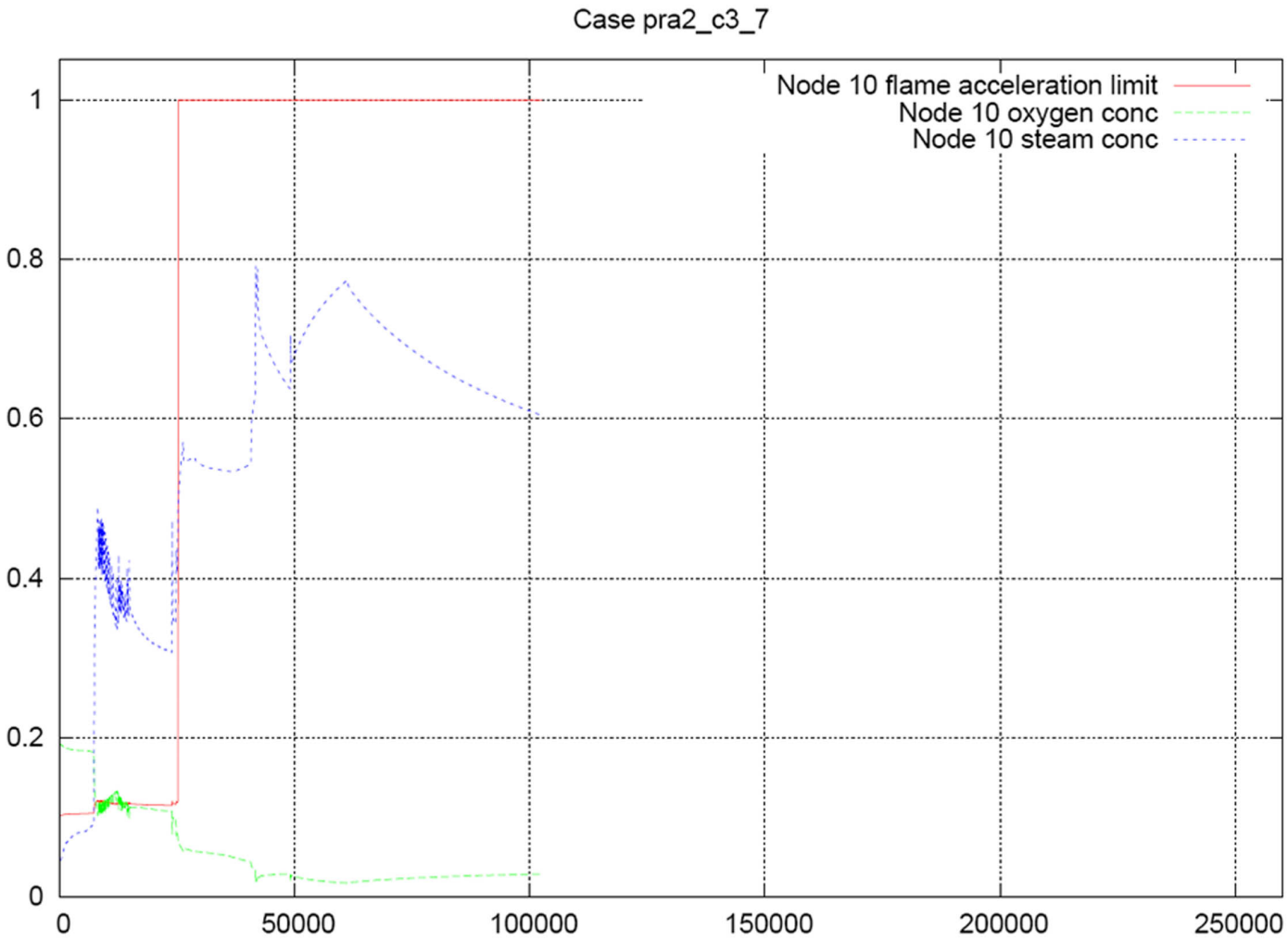

Figure A 126: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_7, containment node 10)

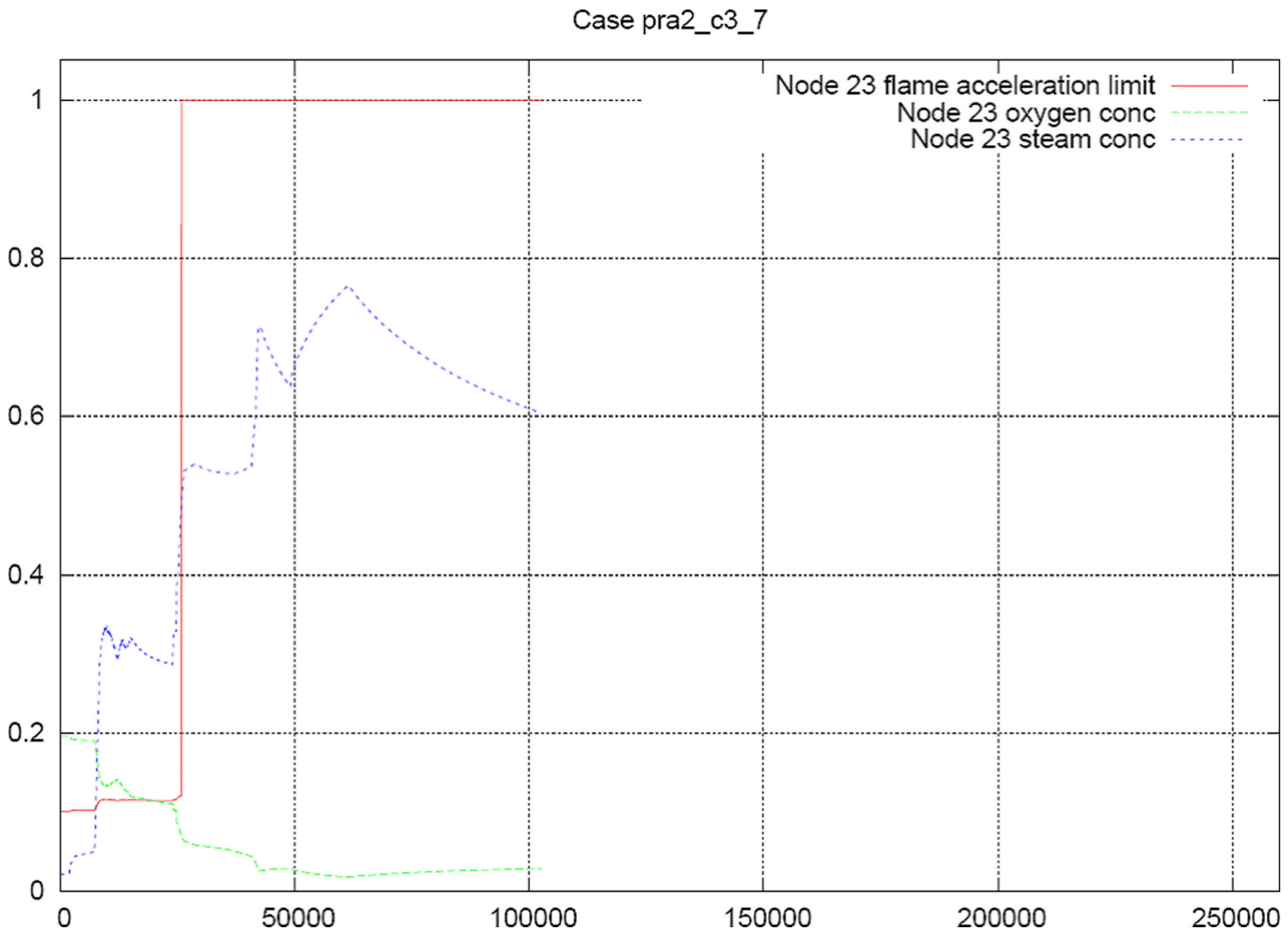

Figure A 127: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_7, containment node 23)

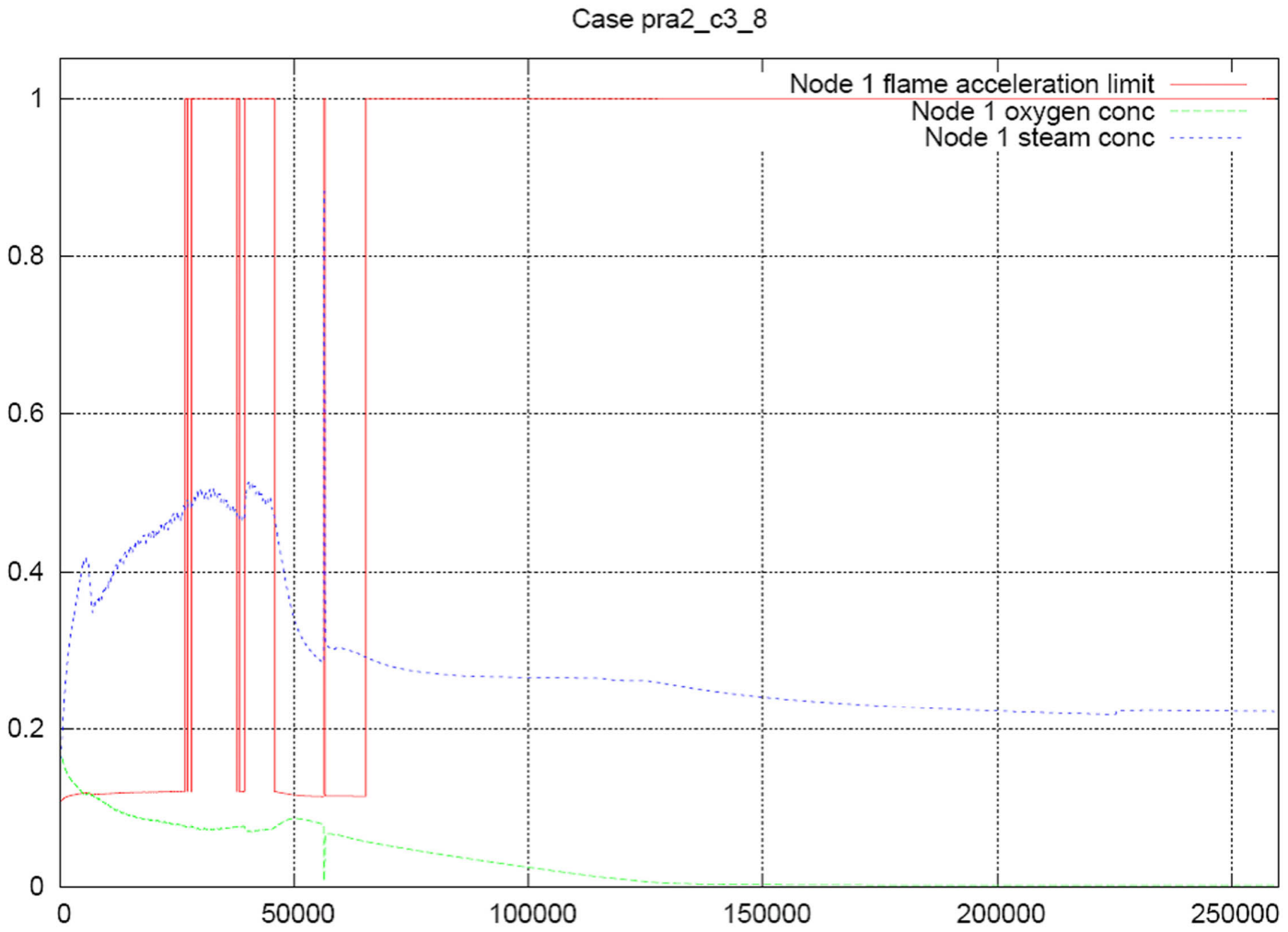

Figure A 128: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_8, containment node 1)

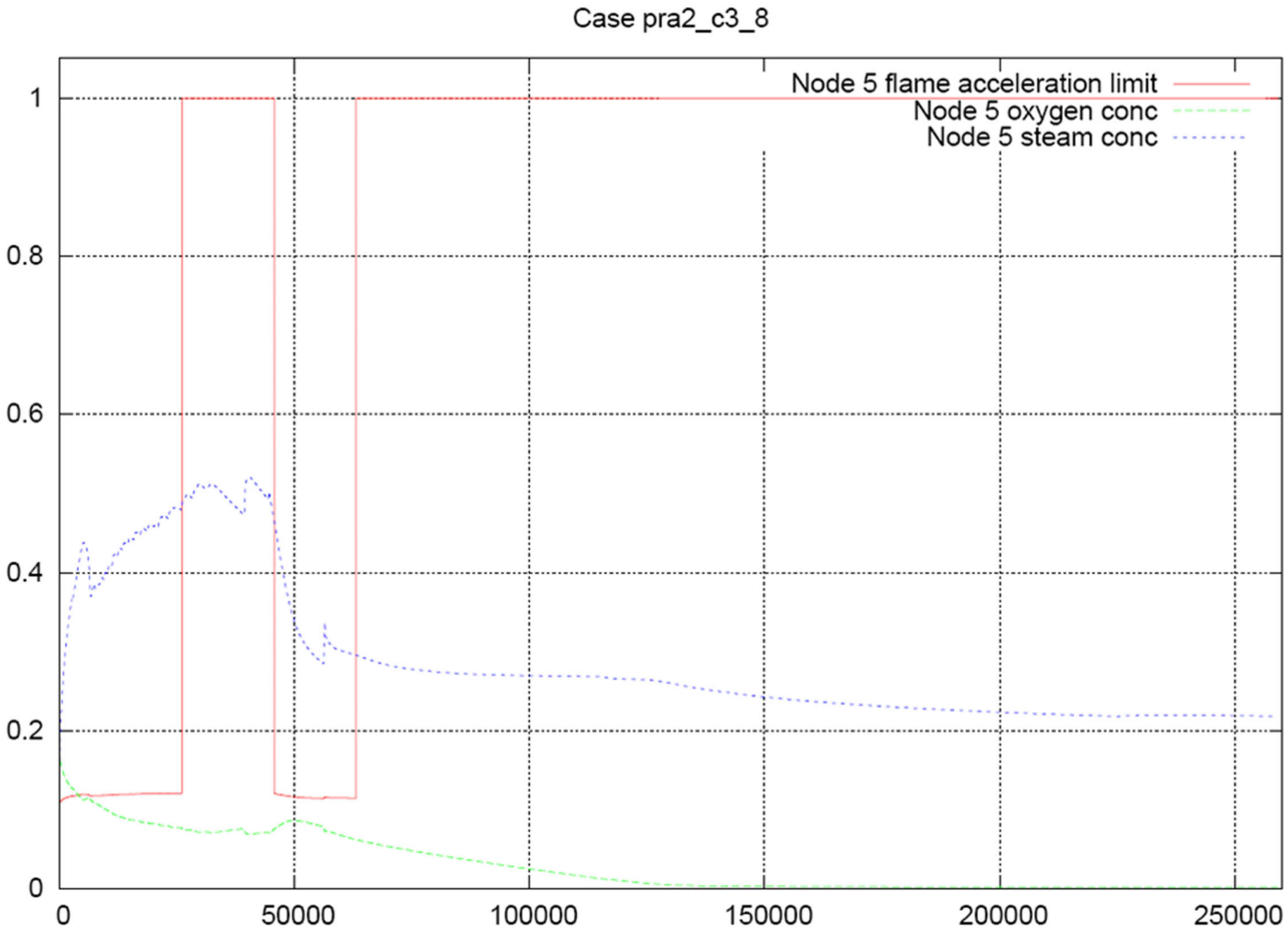

Figure A 129: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_8, containment node 5)

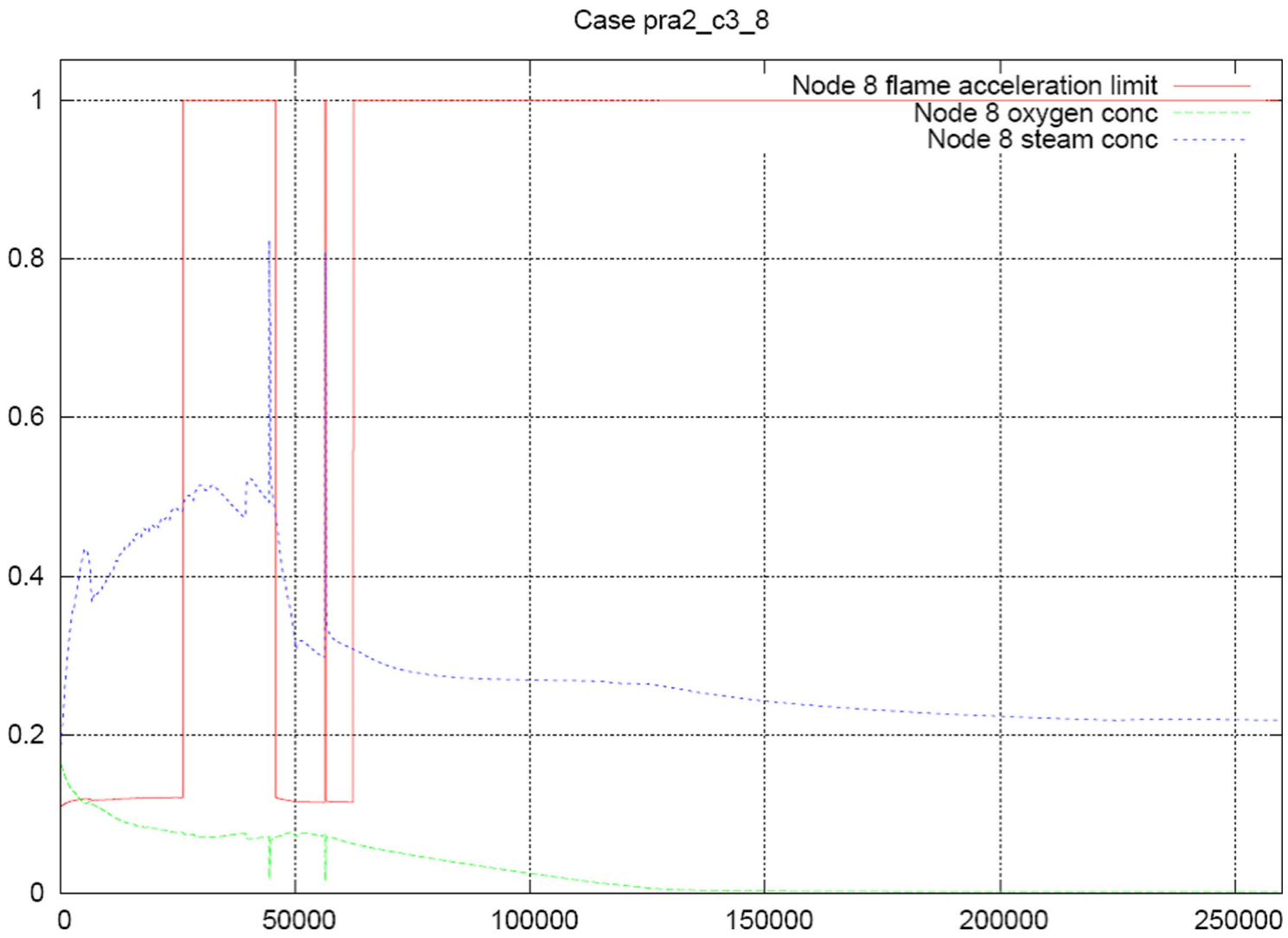

Figure A 130: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_8, containment node 8)

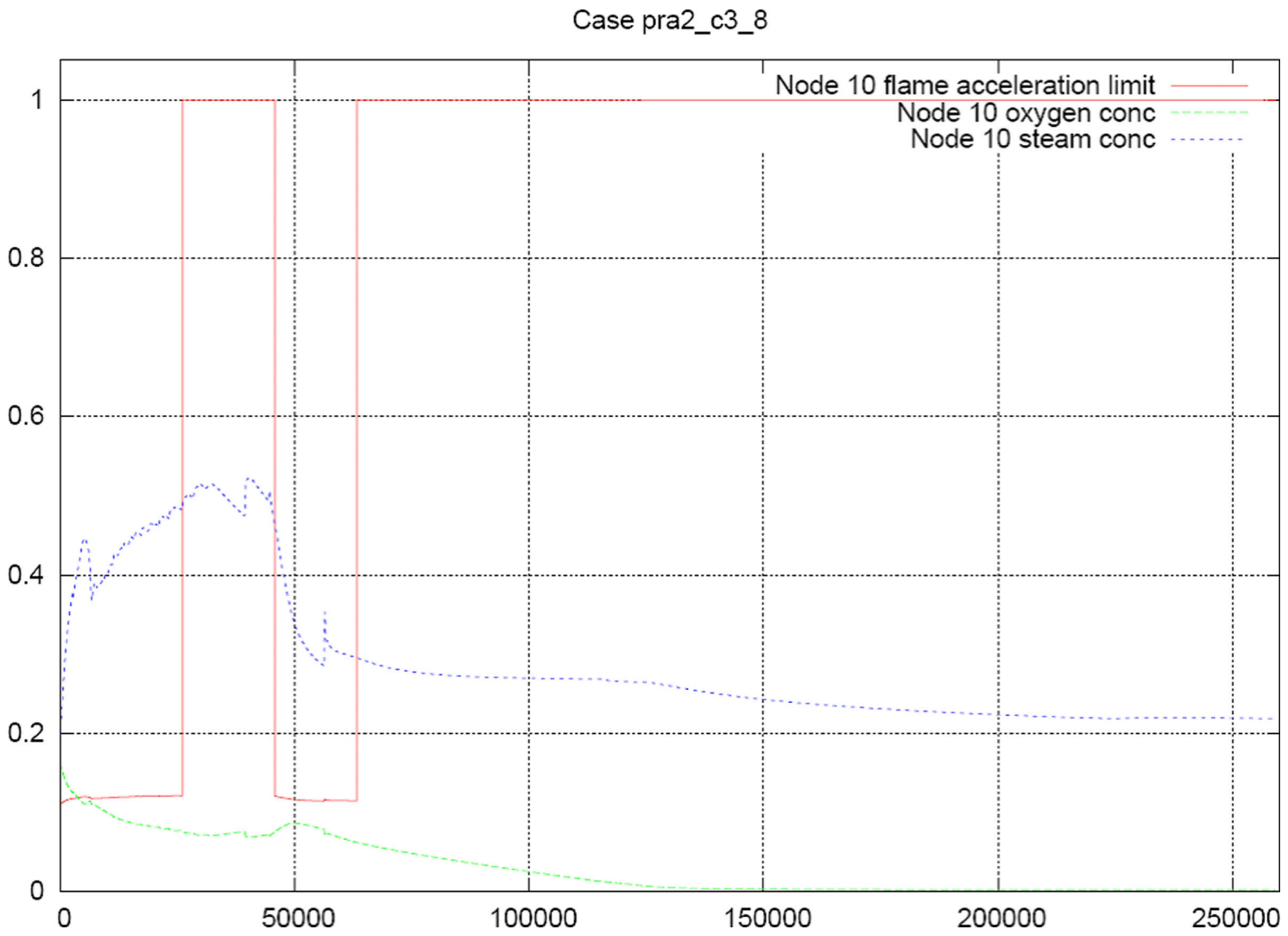

Figure A 131: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_8, containment node 10)

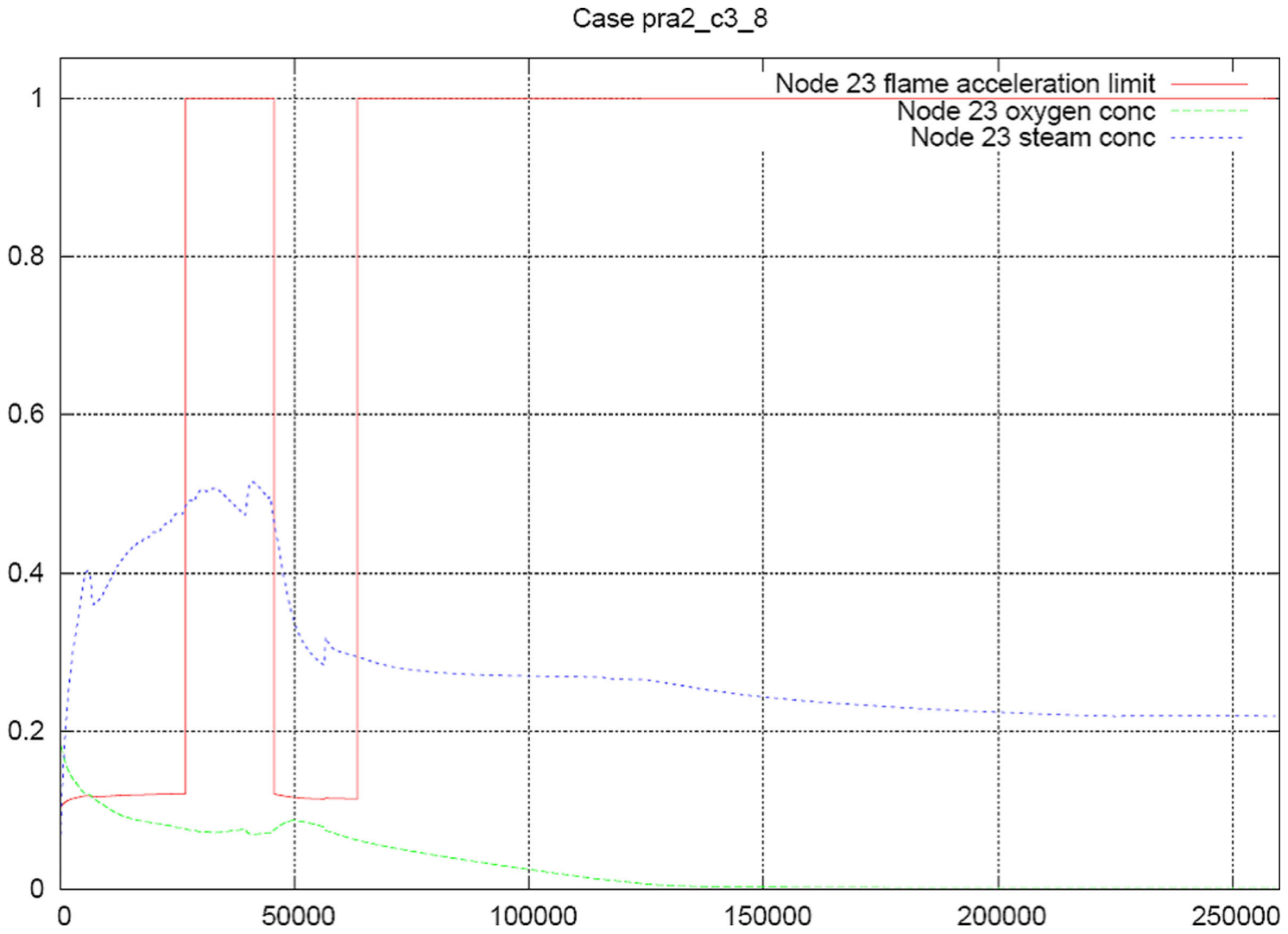

Figure A 132: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_8, containment node 23)

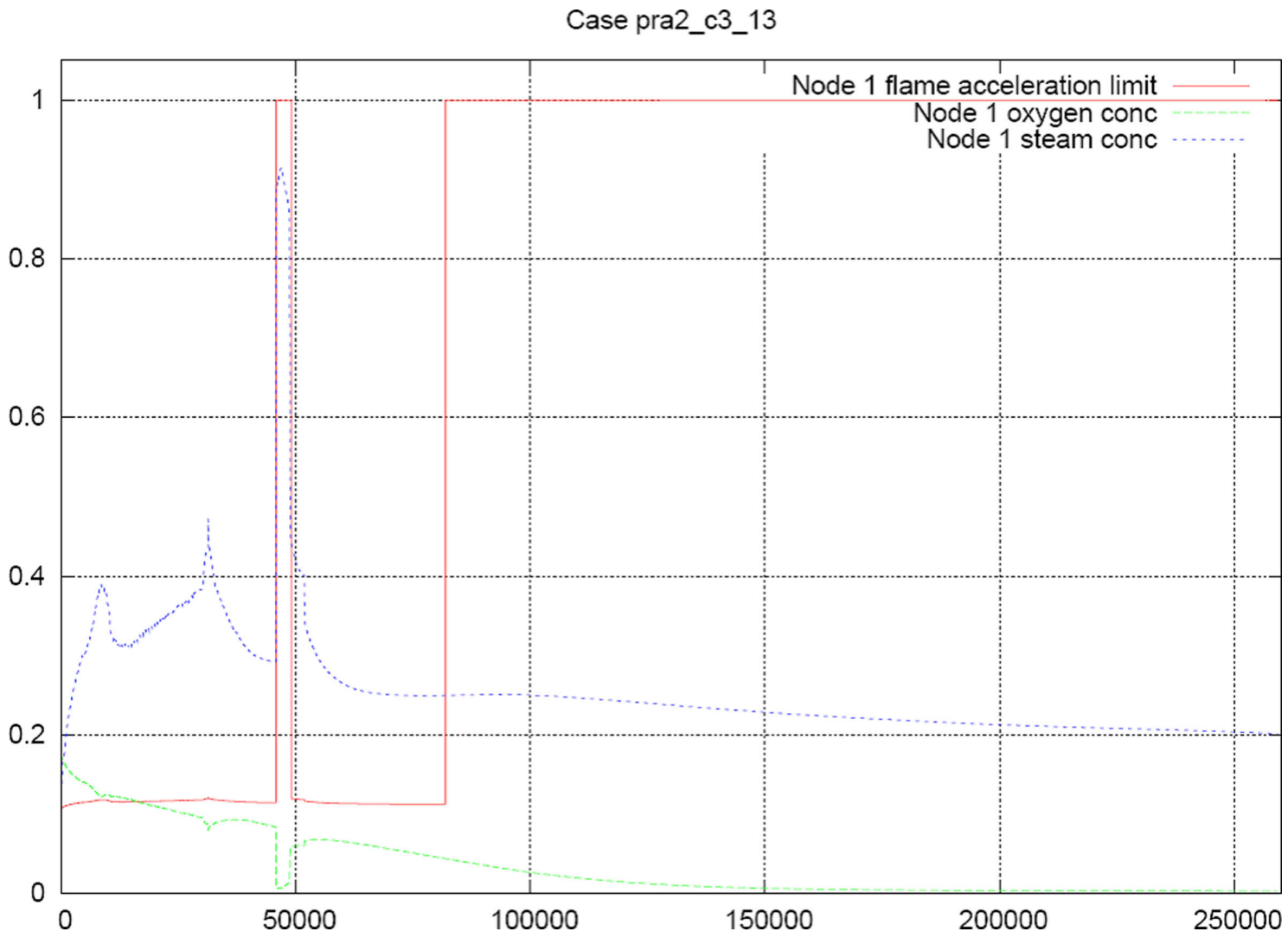

Figure A 133: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_13, containment node 1)

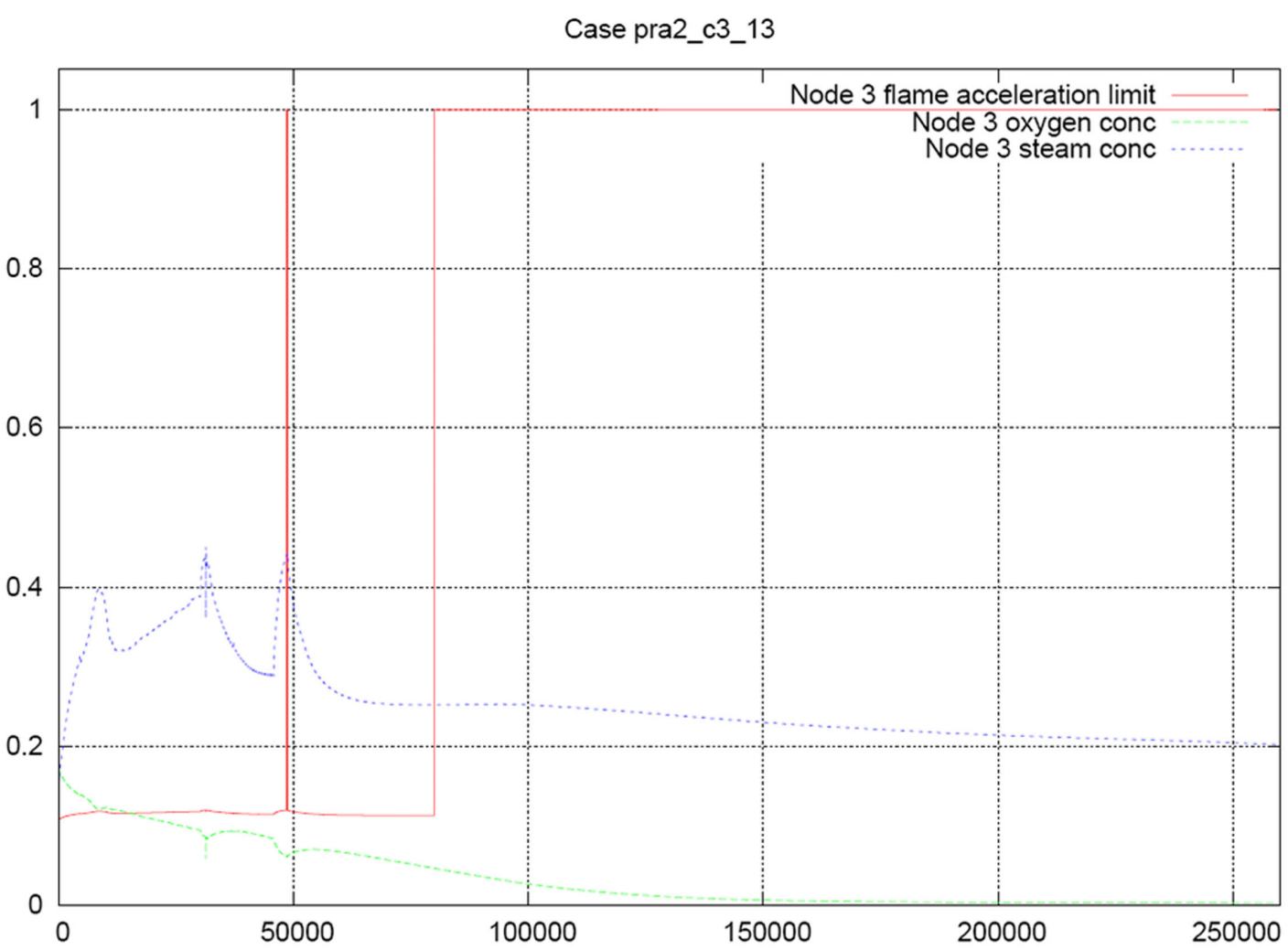

Figure A 134: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_13, containment node 3)

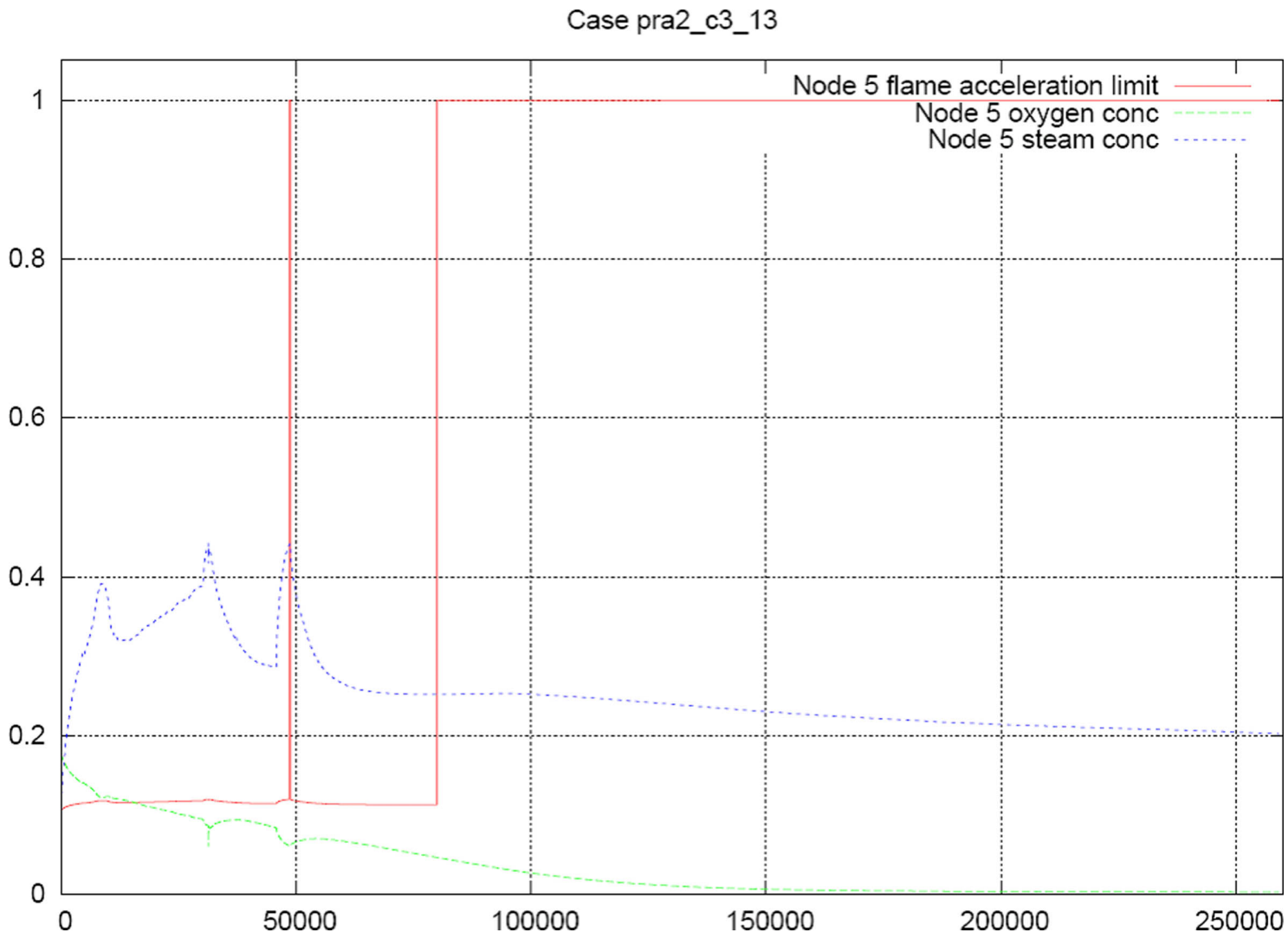

Figure A 135: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_13, containment node 5)

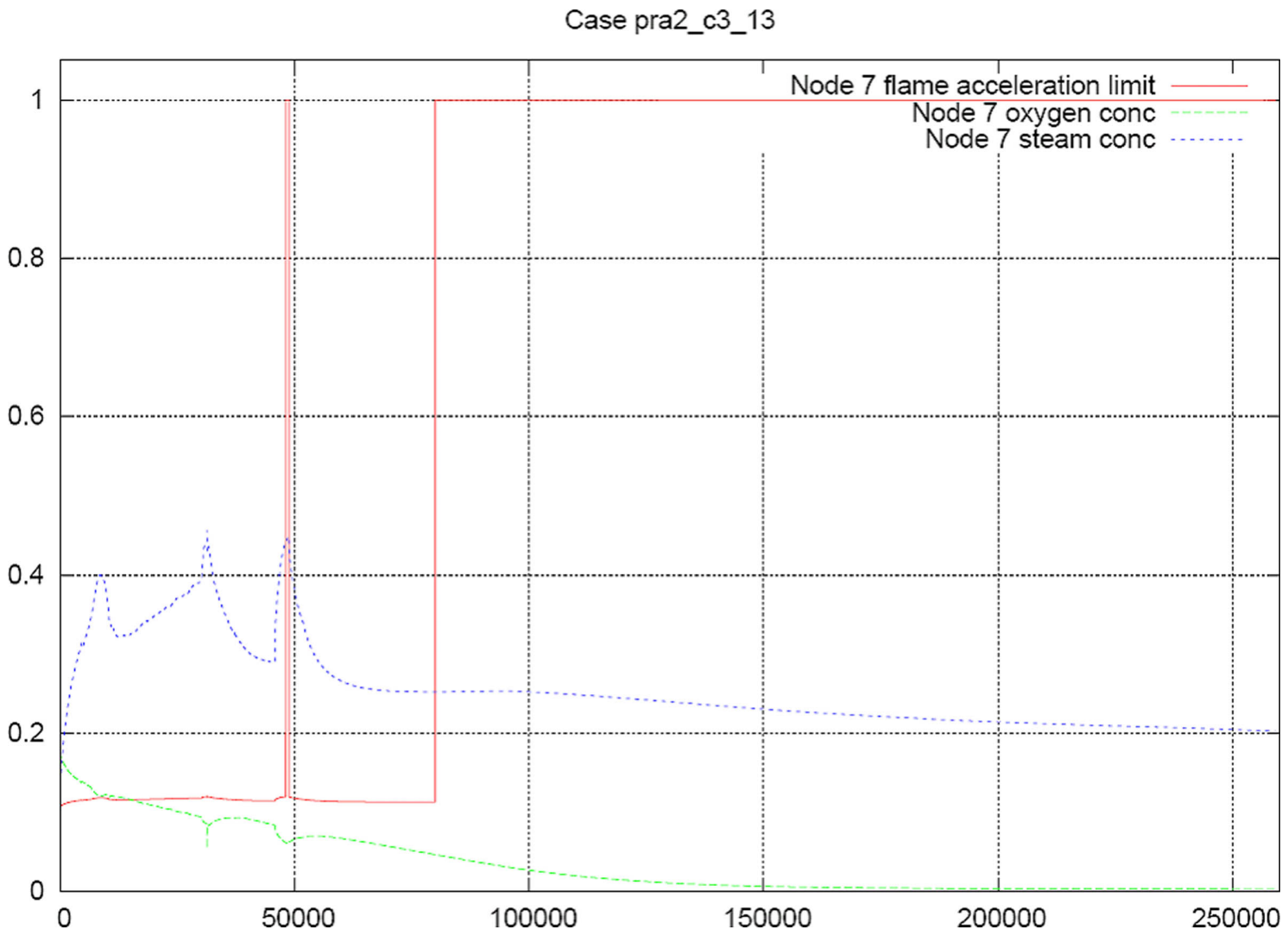

Figure A 136: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_13, containment node 7)

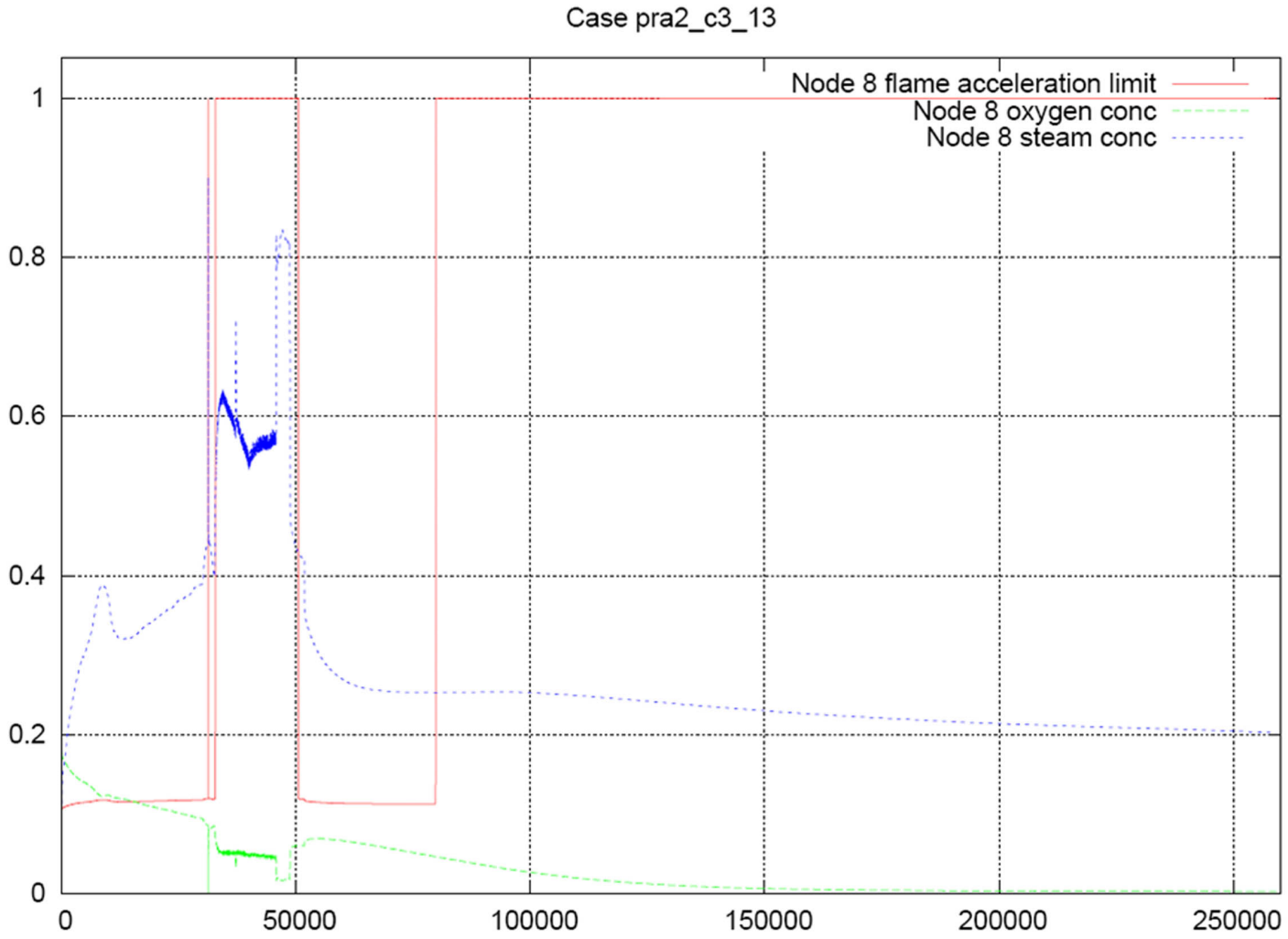

Figure A 137: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_13, containment node 8)

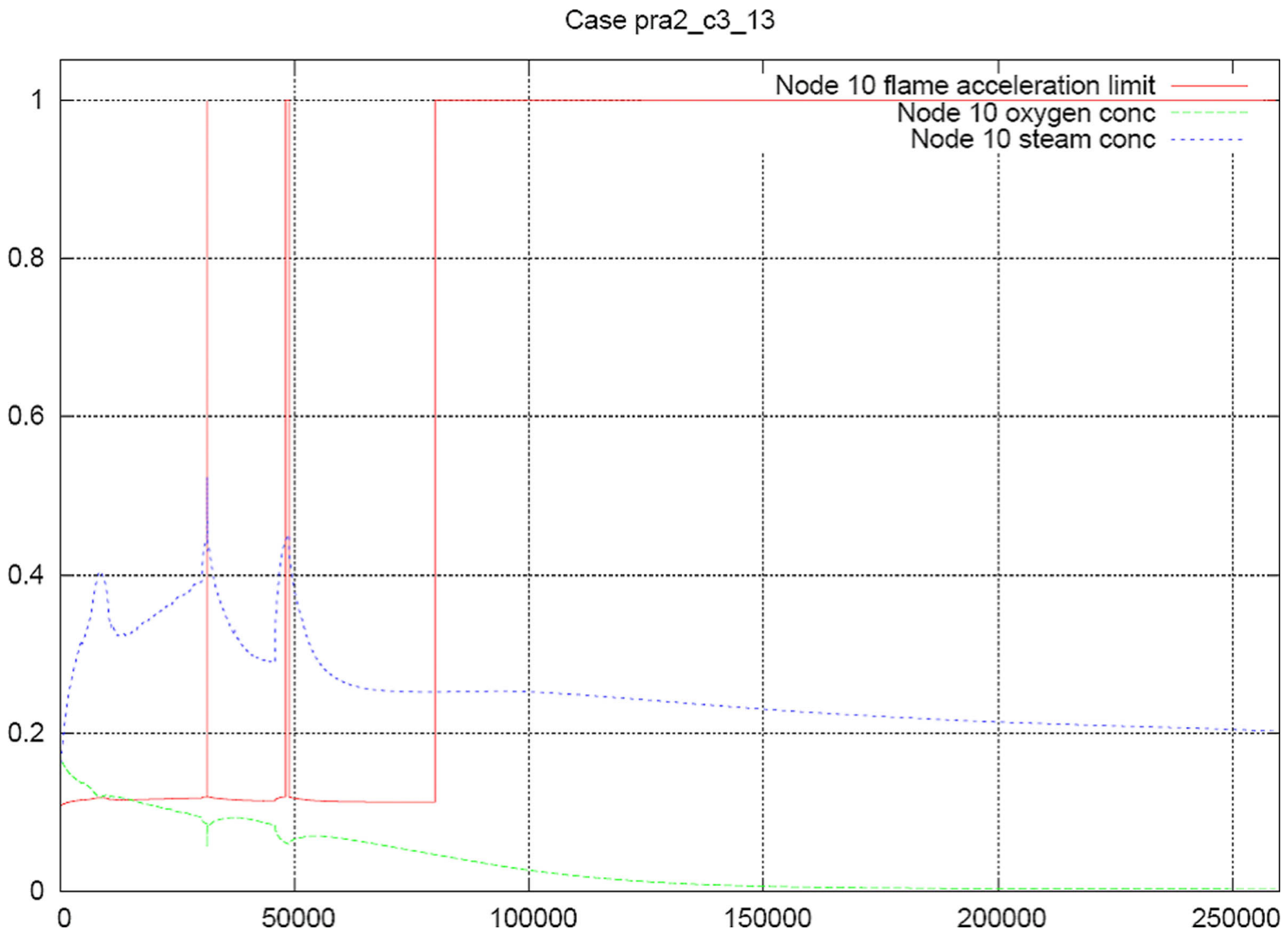

Figure A 138: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_1,3 containment node 10)

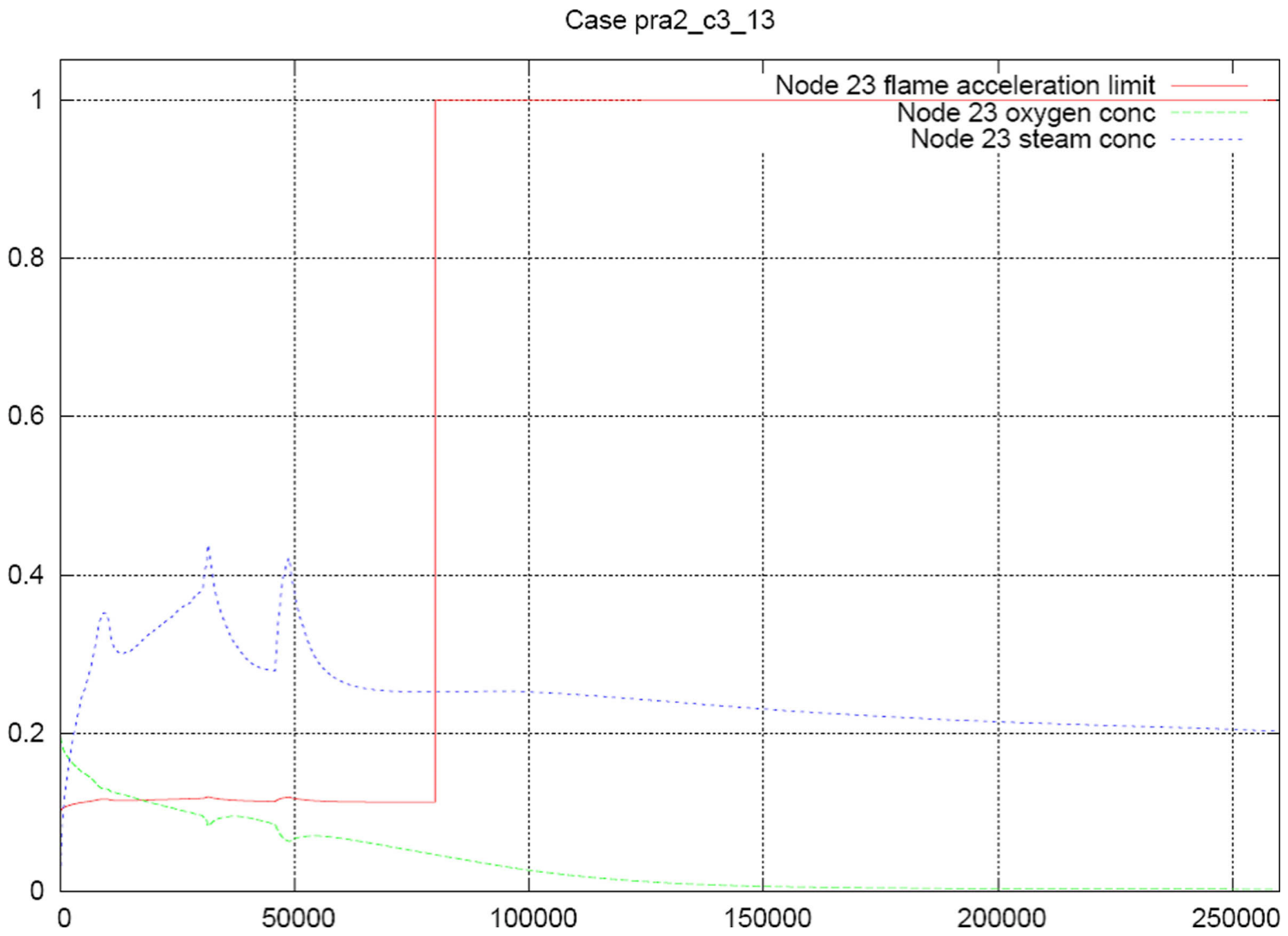

Figure A 139: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_13, containment node 23)

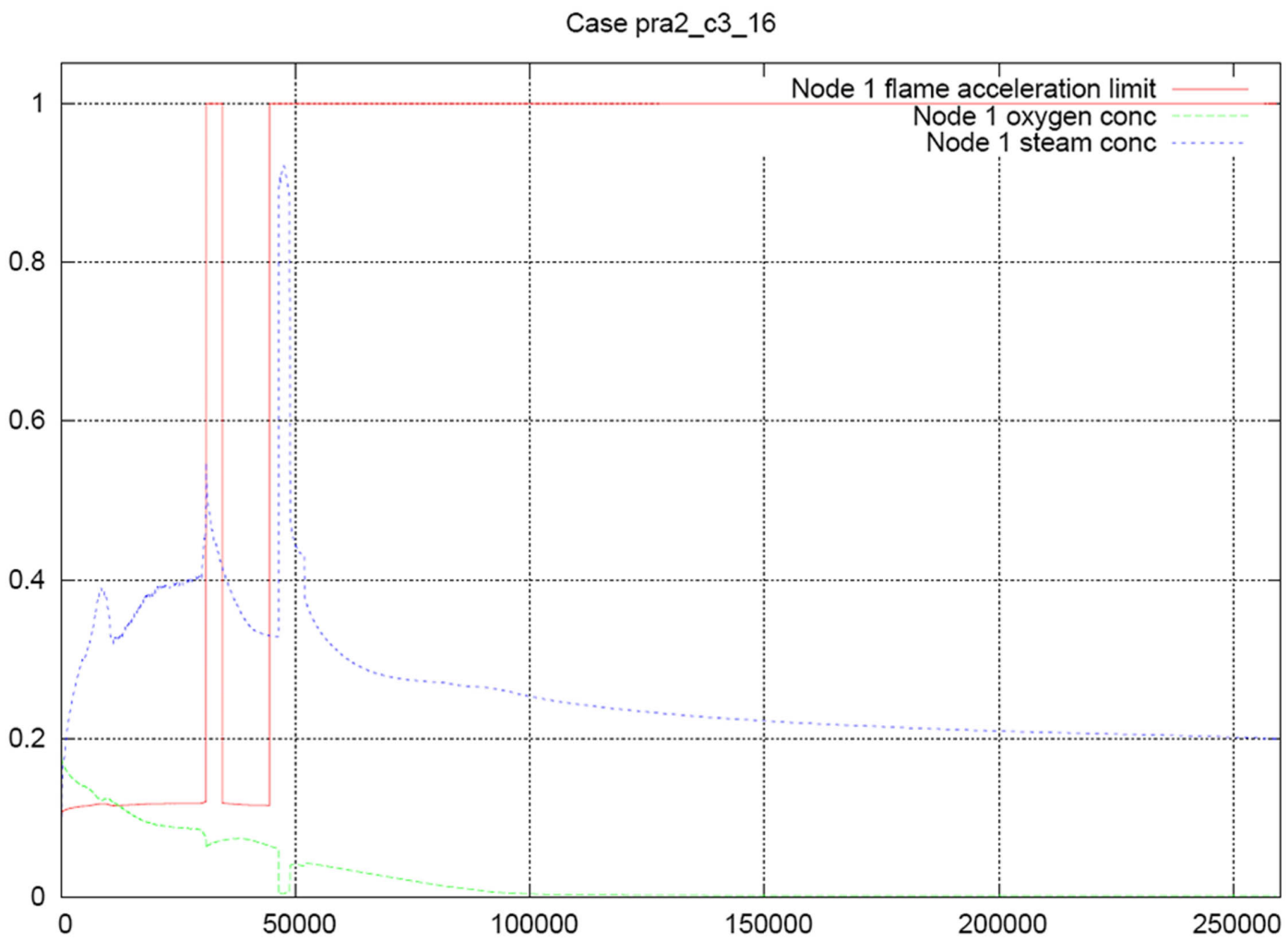

Figure A 140: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_16, containment node 1)

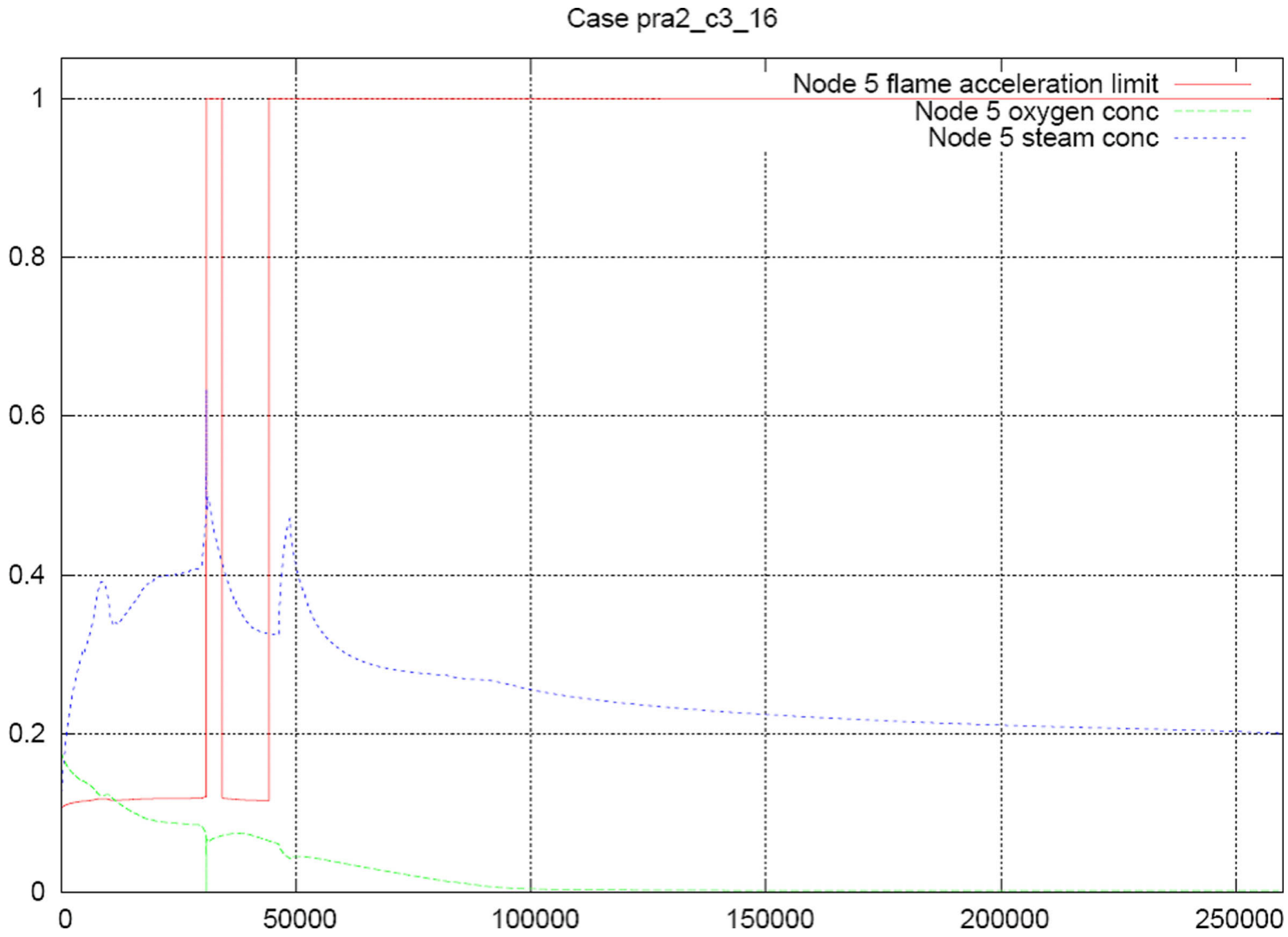

Figure A 141: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_16, containment node 5)

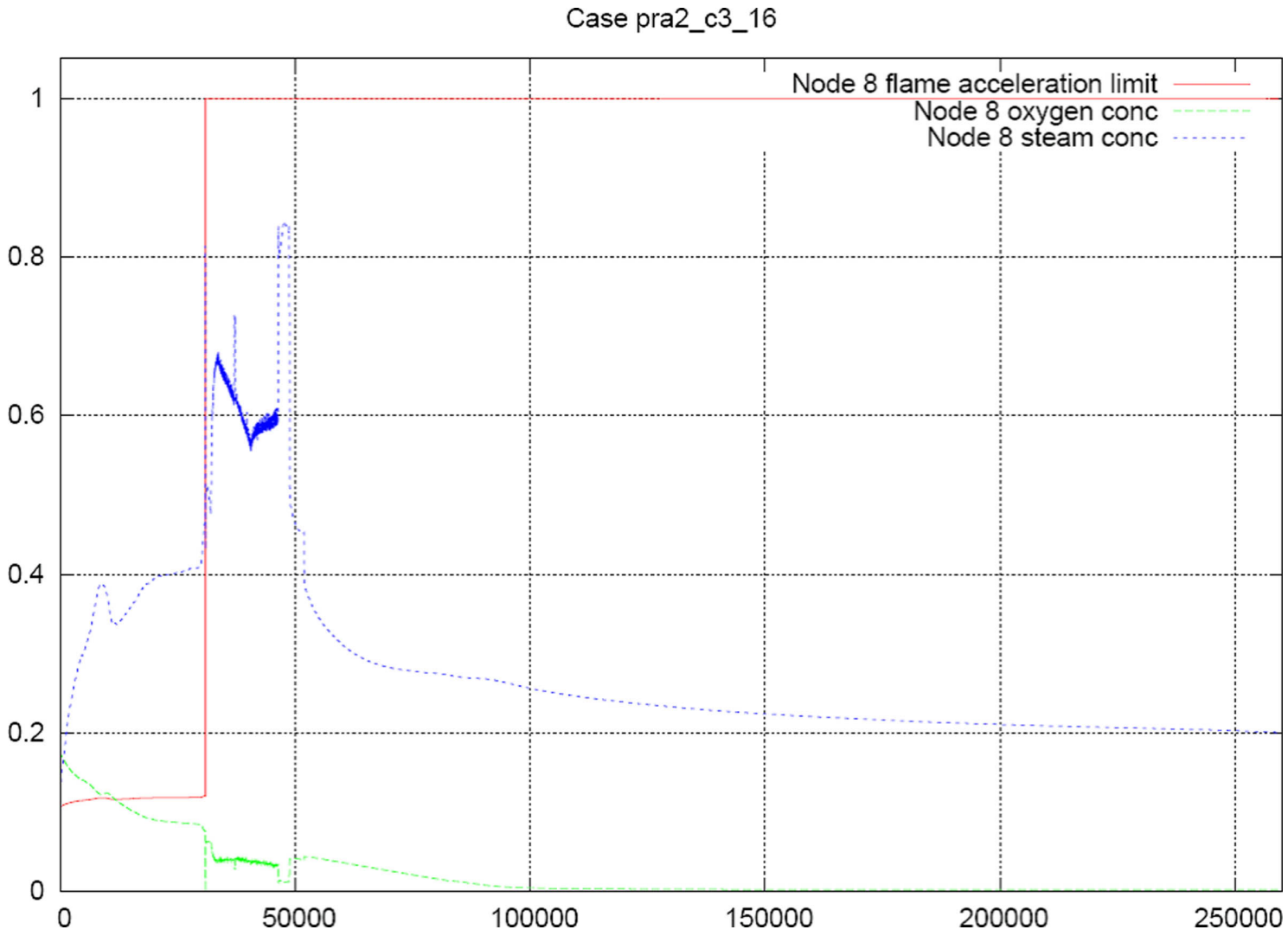

Figure A 142: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_16, containment node 8)

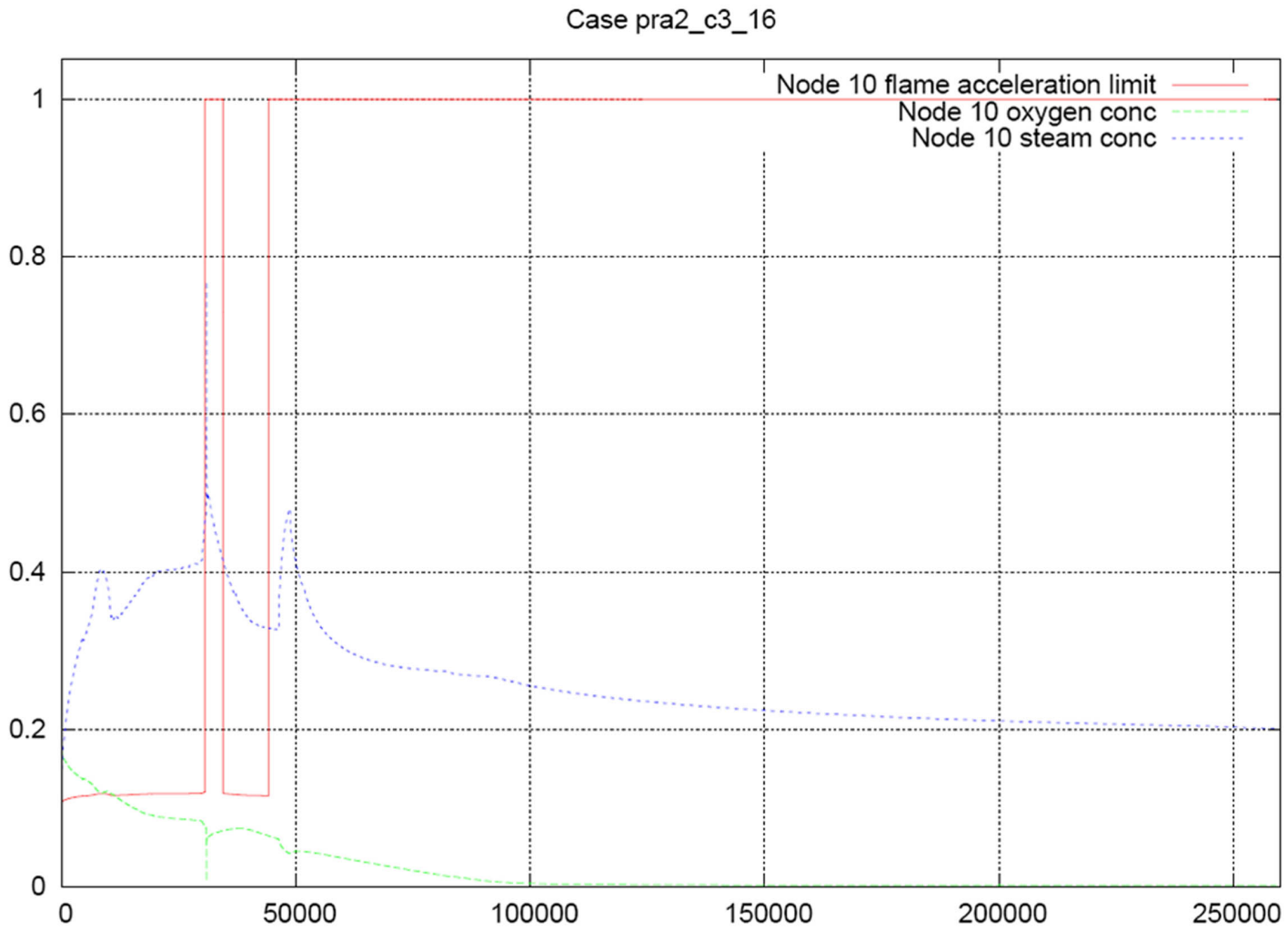

Figure A 143: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_16, containment node 10)

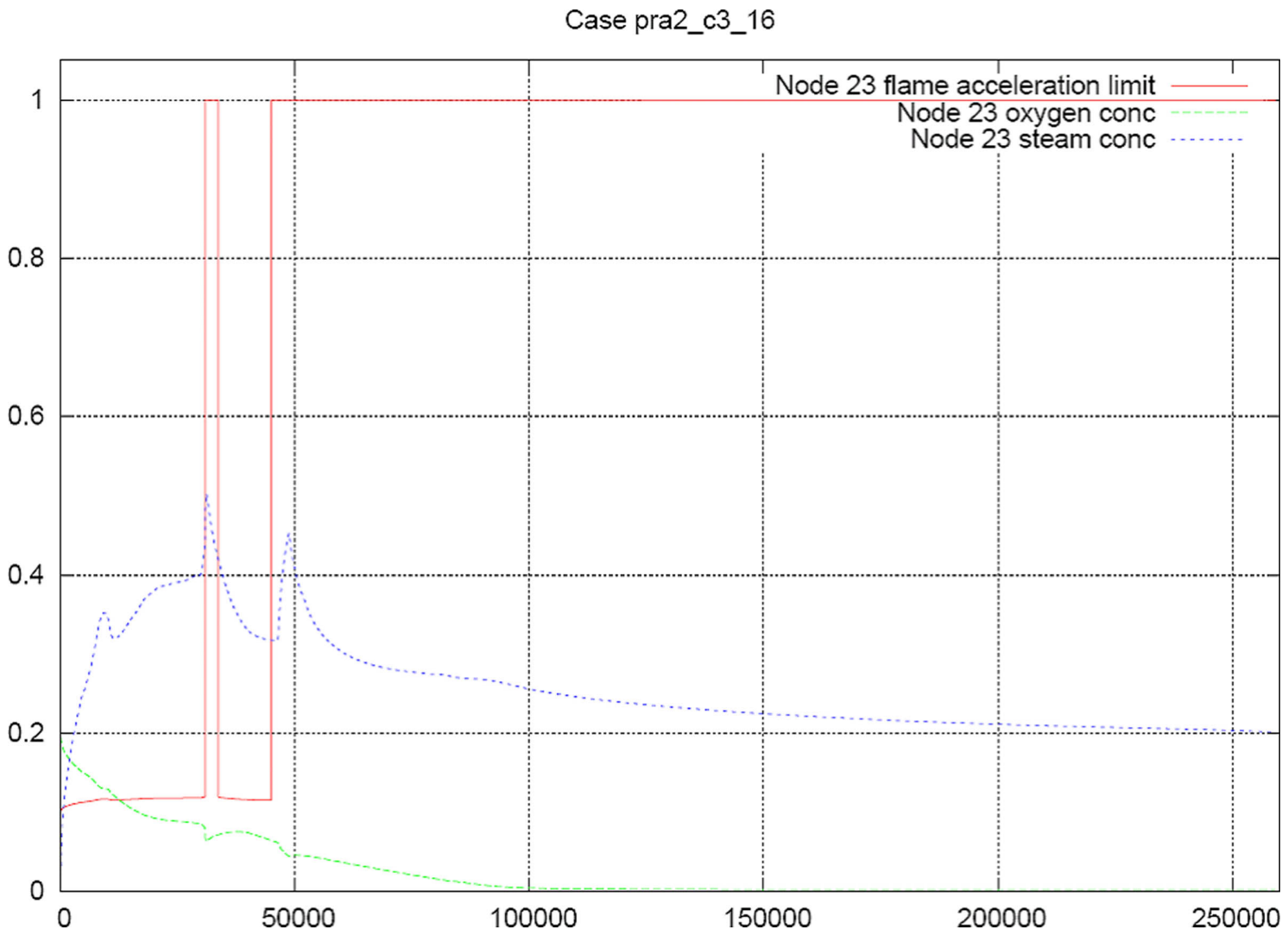

Figure A 144: Oxygen and steam concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c3_16, containment node 23)

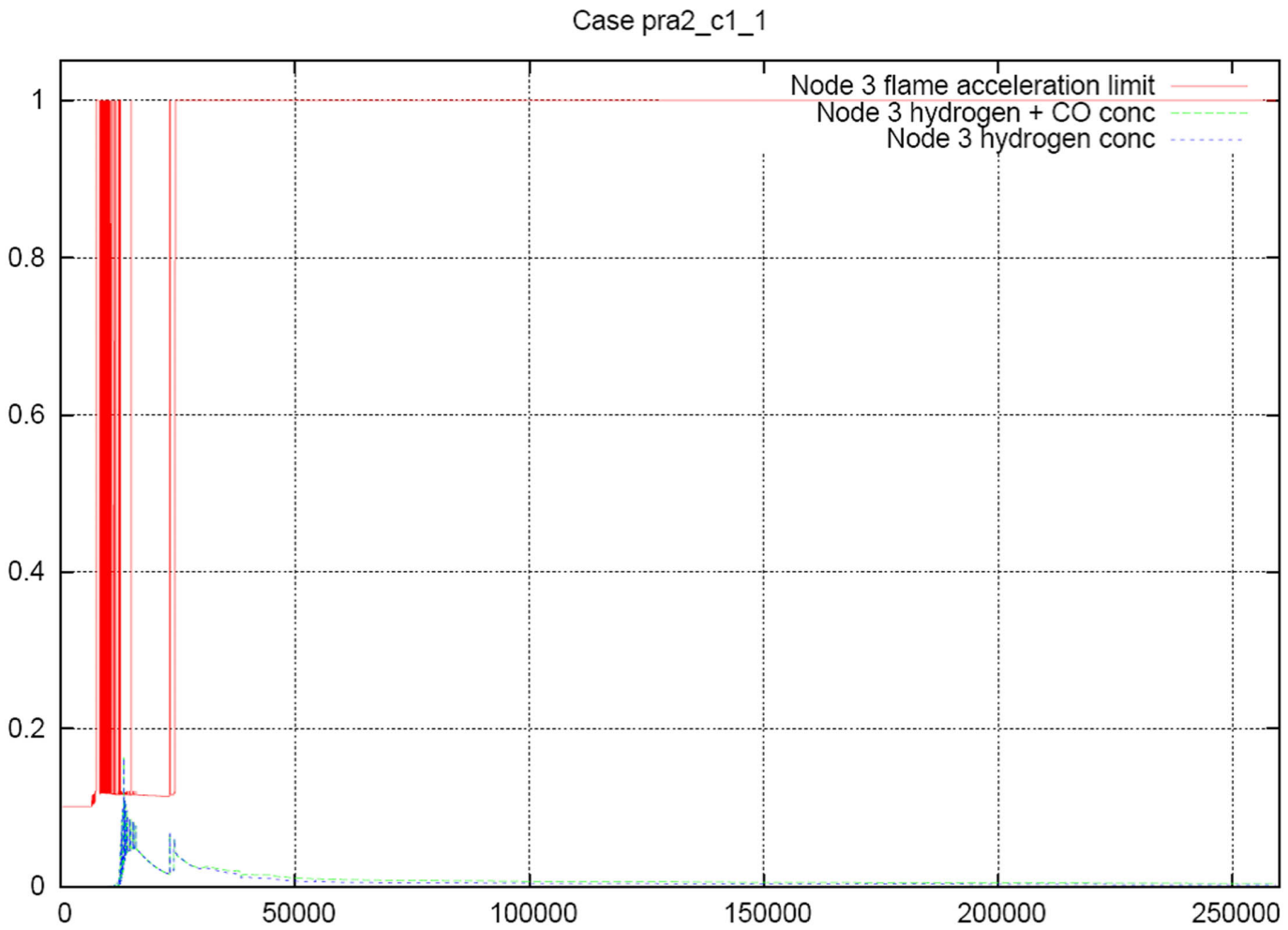

Figure A 145: Hydrogen and hydrogen + carbon monoxide concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c1_1, containment node 3)

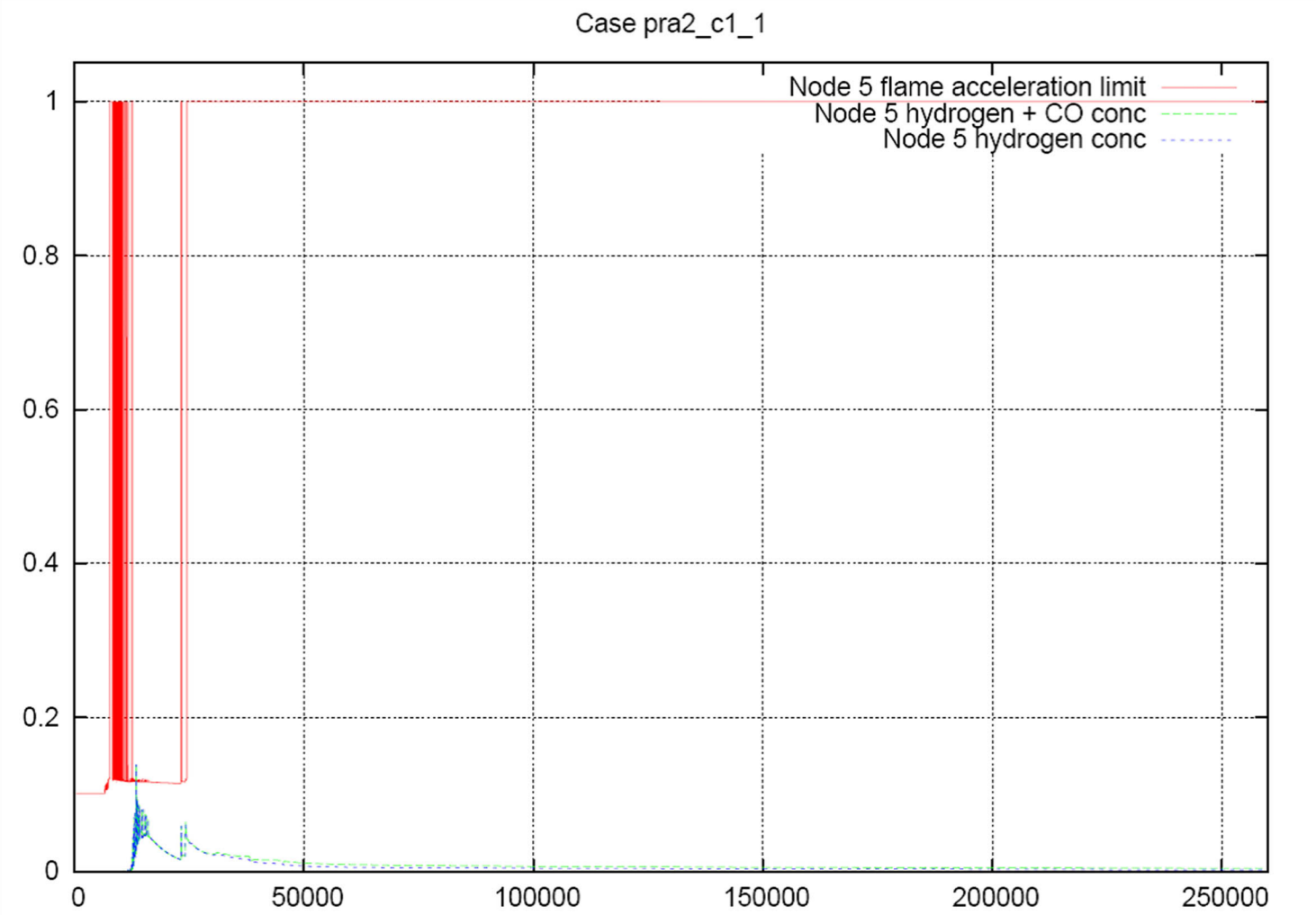

Figure A 146: Hydrogen and hydrogen + carbon monoxide concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c1_1, containment node 5)

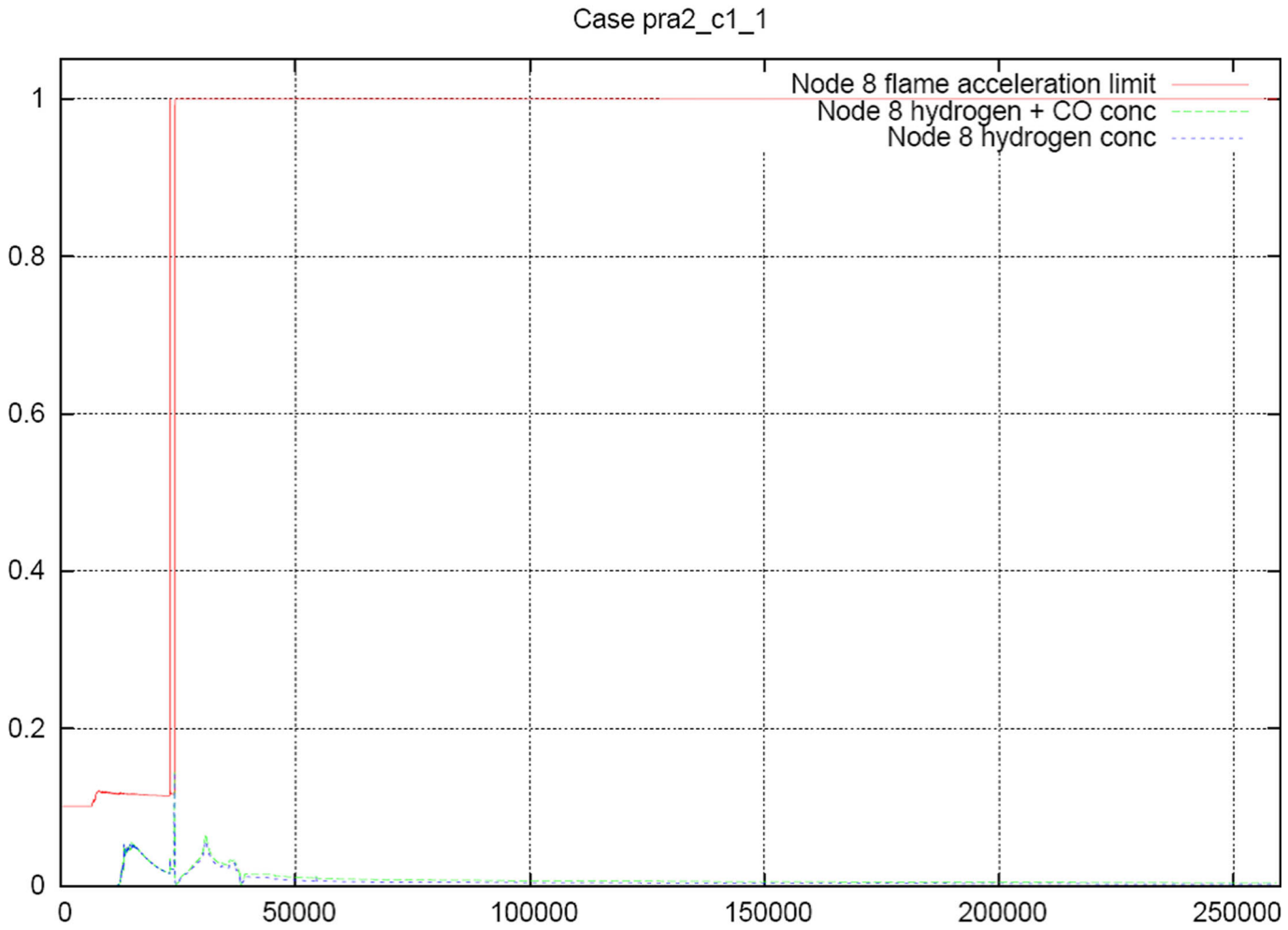

Figure A 147: Hydrogen and hydrogen + carbon monoxide concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c1_1, containment node 8)

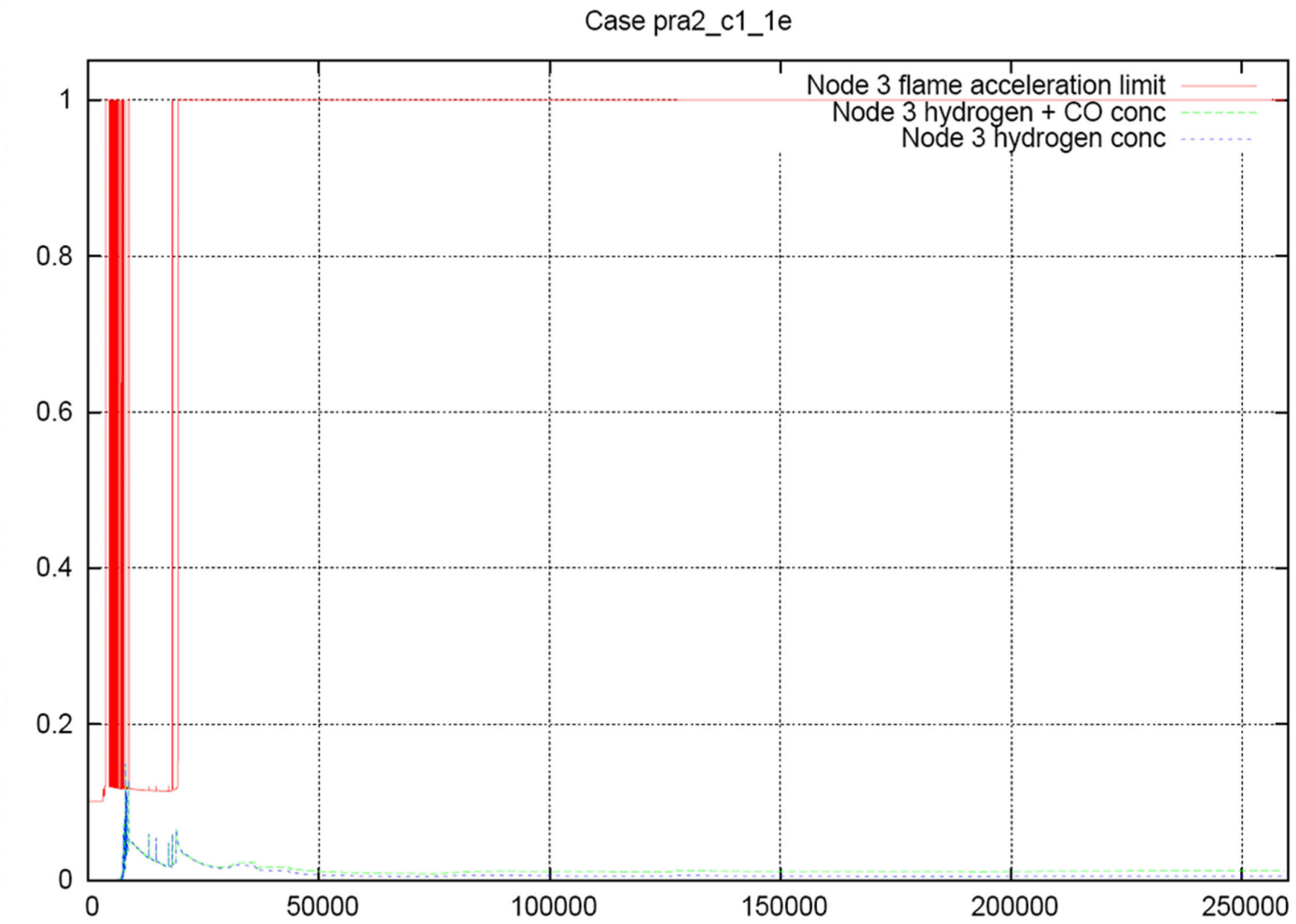

Figure A 148: Hydrogen and hydrogen + carbon monoxide concentrations (dimensionless) versus time (seconds) cross-plotted with calculated hydrogen concentration limit for flame acceleration (case c1_1e, containment node 3)