

Figure A.6.28 (contd.): Gas Phase Impulse Response for Case 4, Run 14.8 - 6, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 28.8s

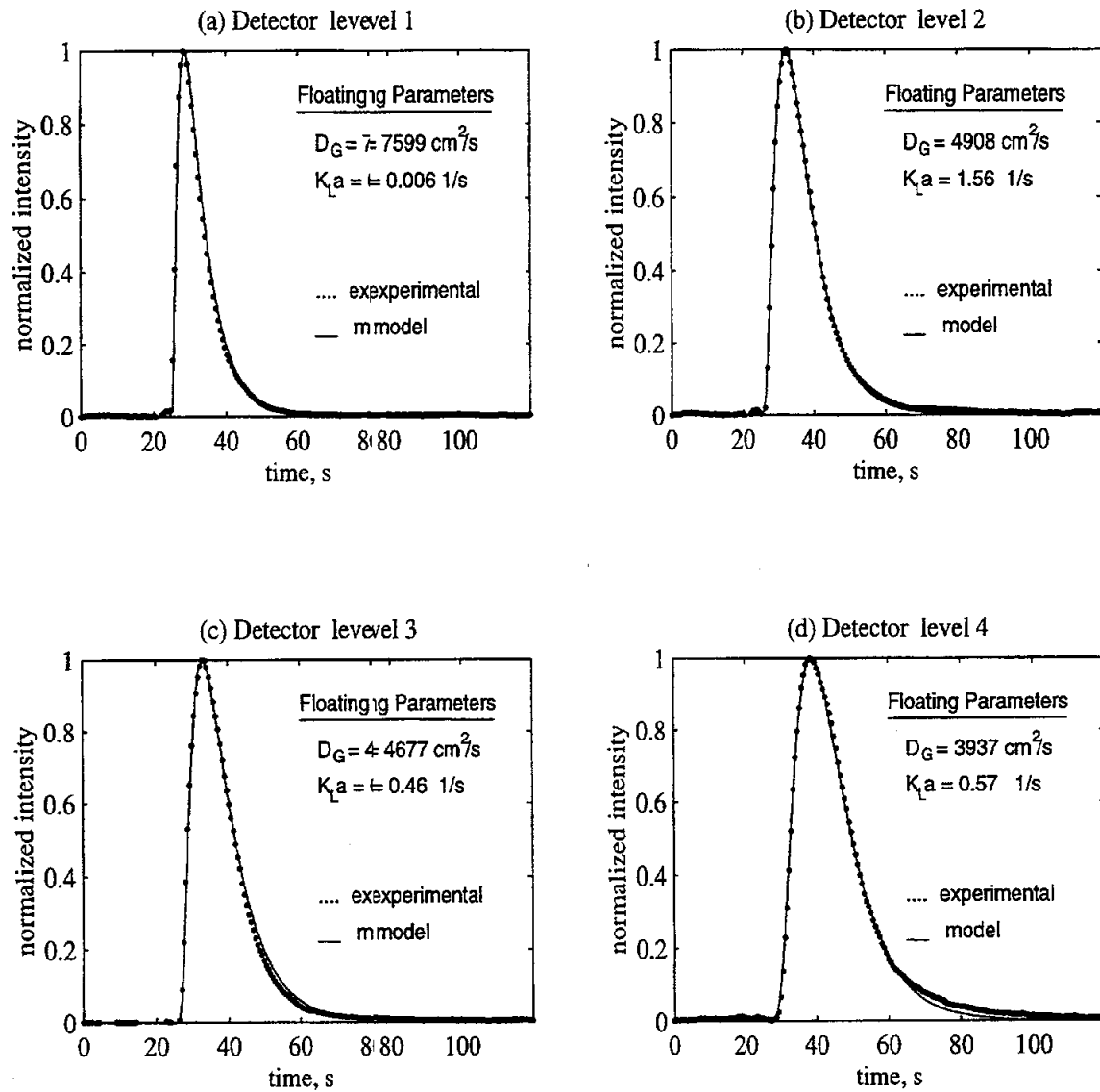


Figure A.6.29: Gas Phase Impulse Response for Case 5, Run 14.6 - 2, (5.2 MPa,  $U_G = 25 \text{ cm/s}$ ), Injection Time 24.0s

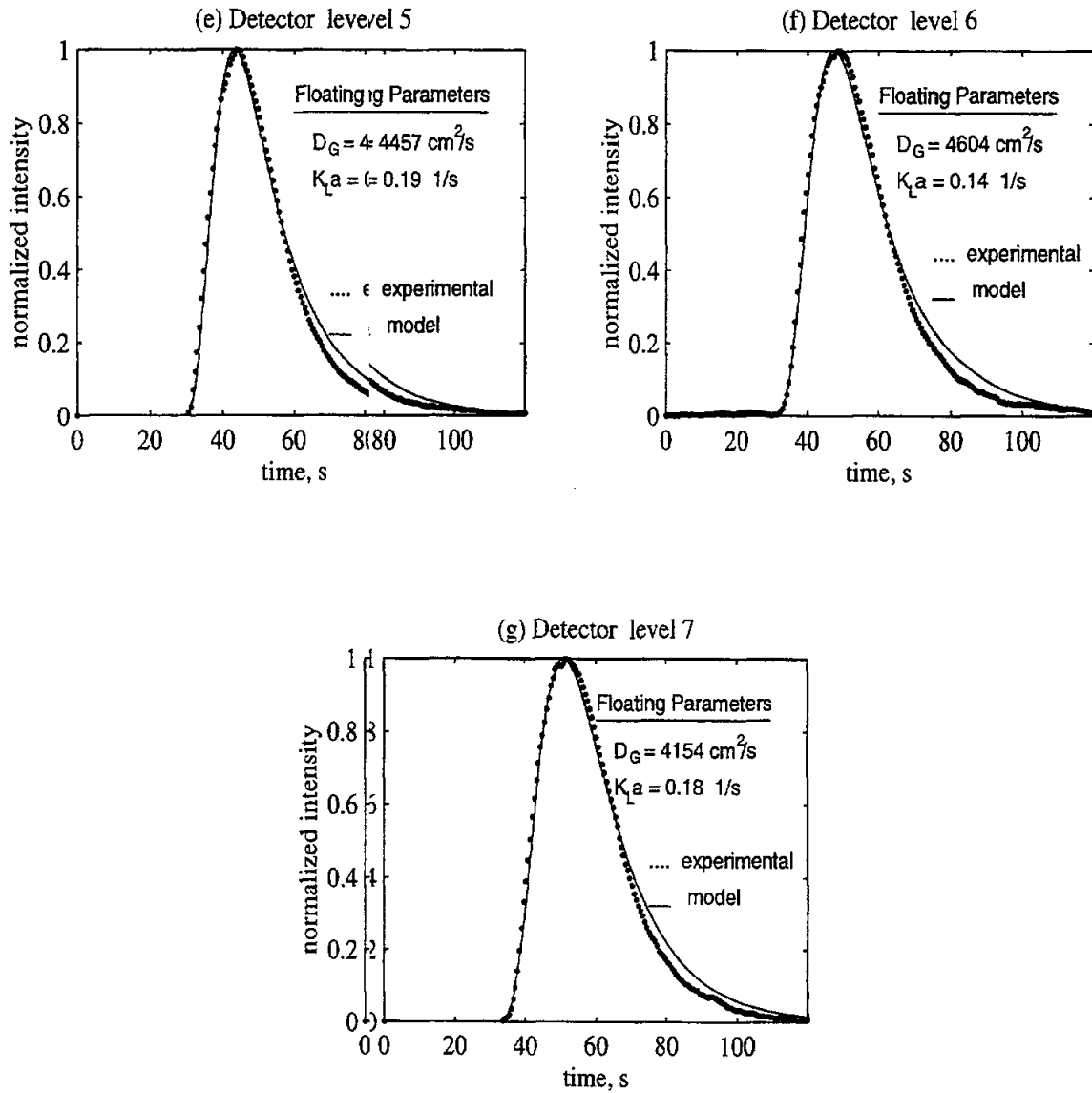


Figure A.6.29 (contd.): Gas Phase Impulse Response for Case 5, Run 14.6 - 2, (5.2 MPa,  $U_G = 25 \text{ cm/s}$ ), Injection Time 24.0s

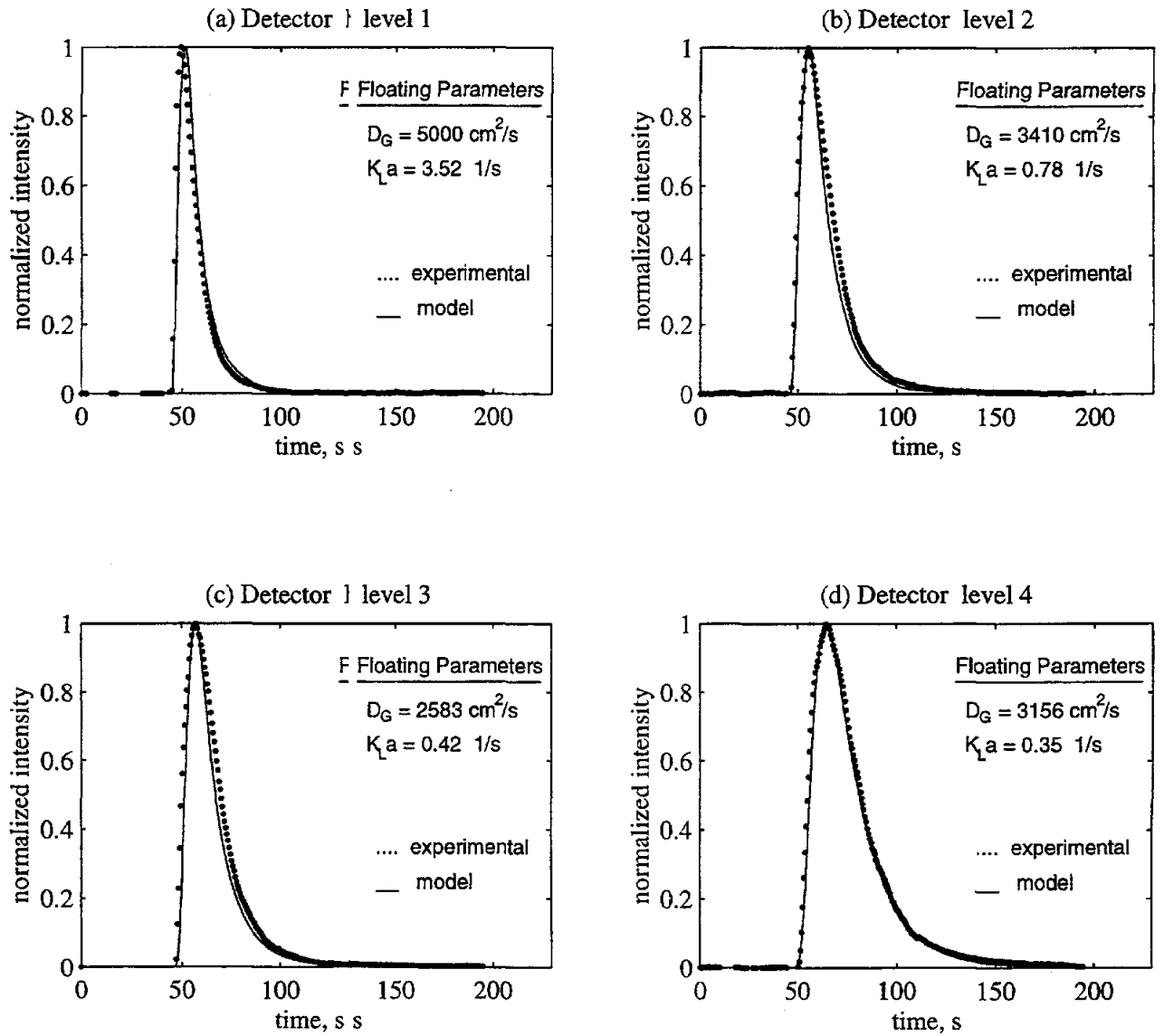


Figure A.6.30: Gas Phase I Impulse Response for Case 5, Run 14.7 - 3, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 47.4s

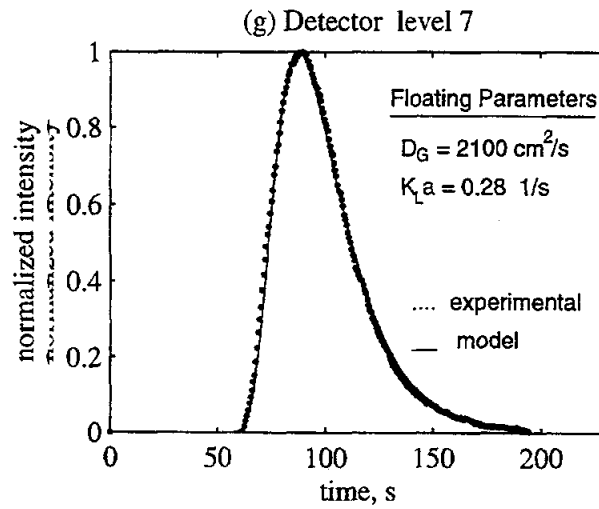
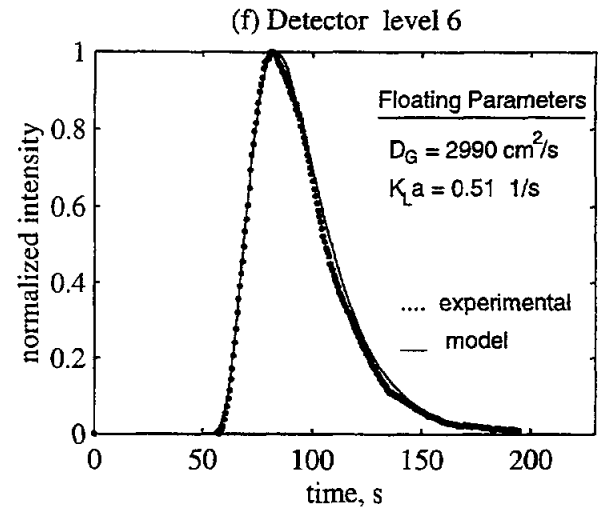
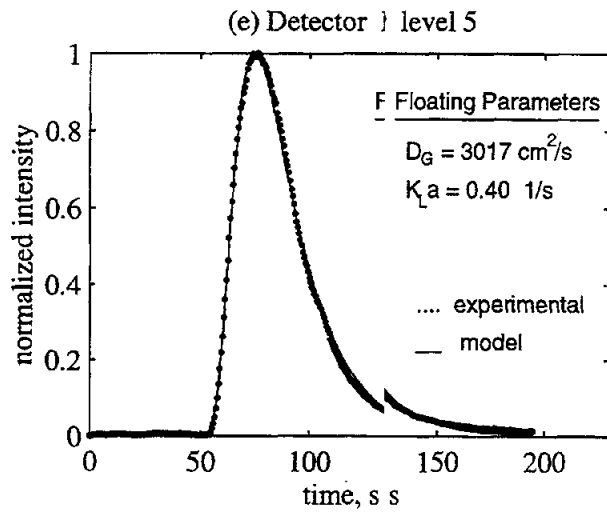


Figure A.6.30 (contd.): Gas s Phase Impulse Response for Case 5, Run 14.7 - 3, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 47.4s

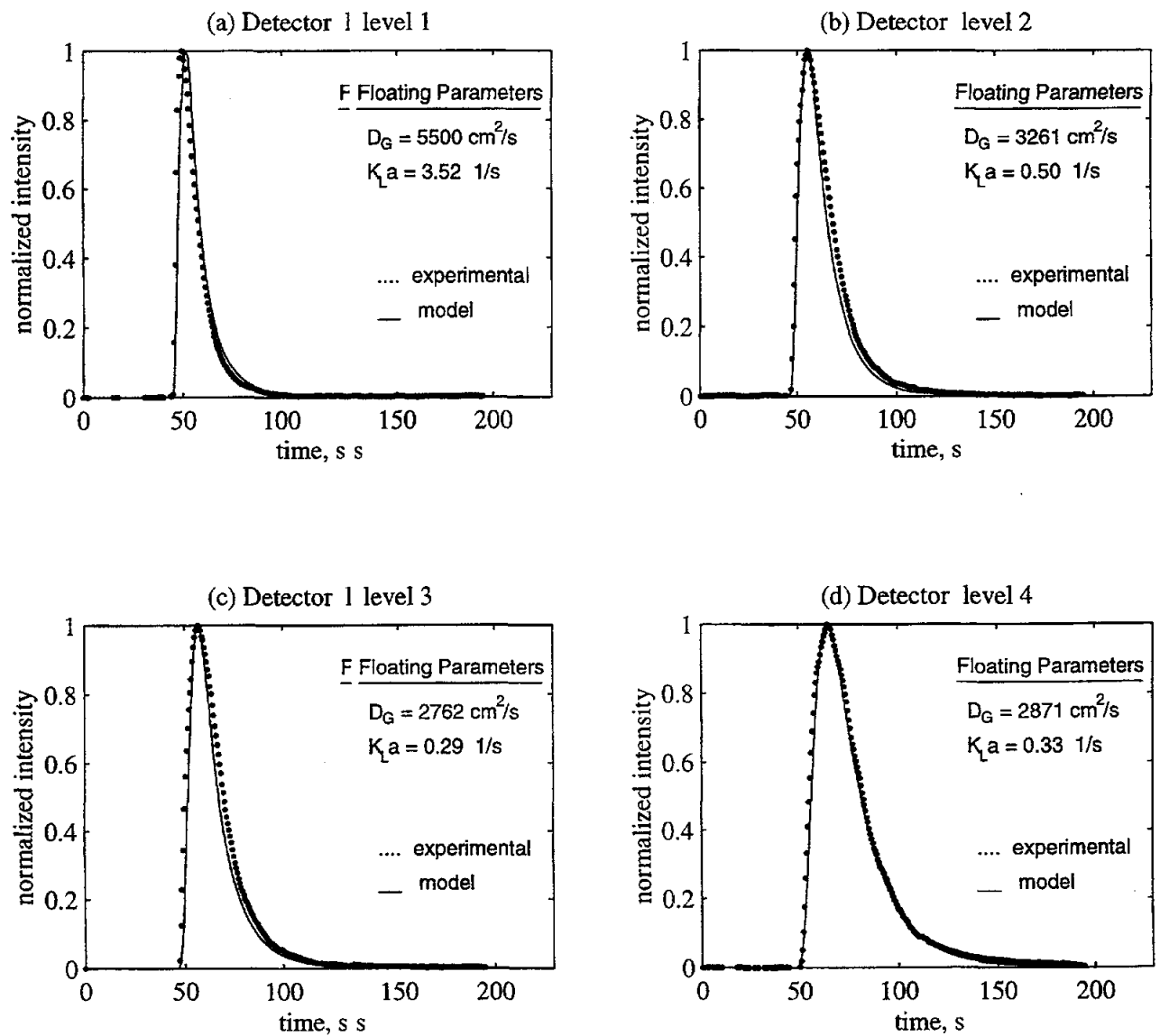


Figure A.6.31: Gas Phase I Impulse Response for Case 5, Run 14.7 - 4, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 33.0s

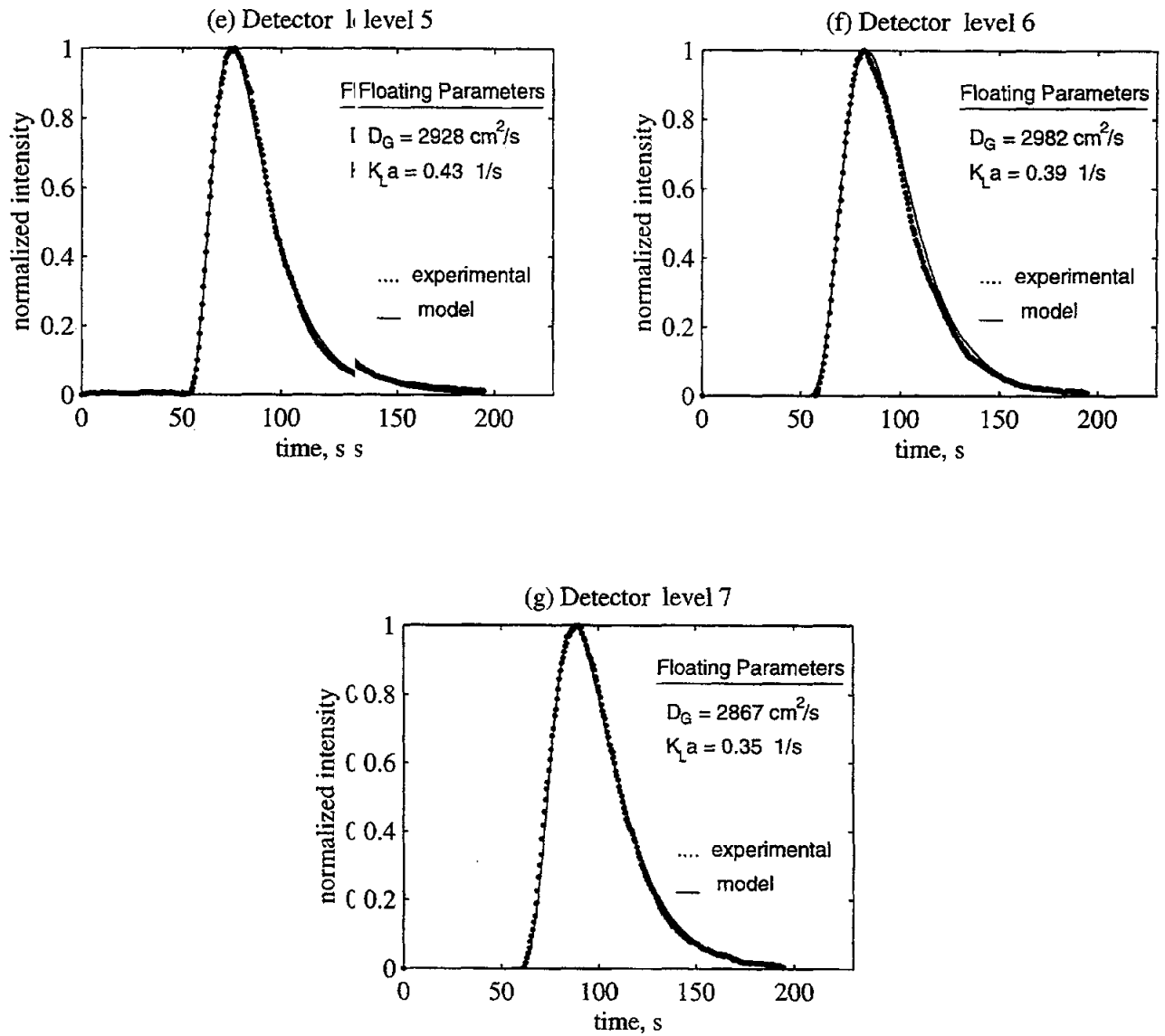


Figure A.6.31 (contd.): Gas Phase Impulse Response for **Case 5**, Run 14.7 - 4, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 33.0s

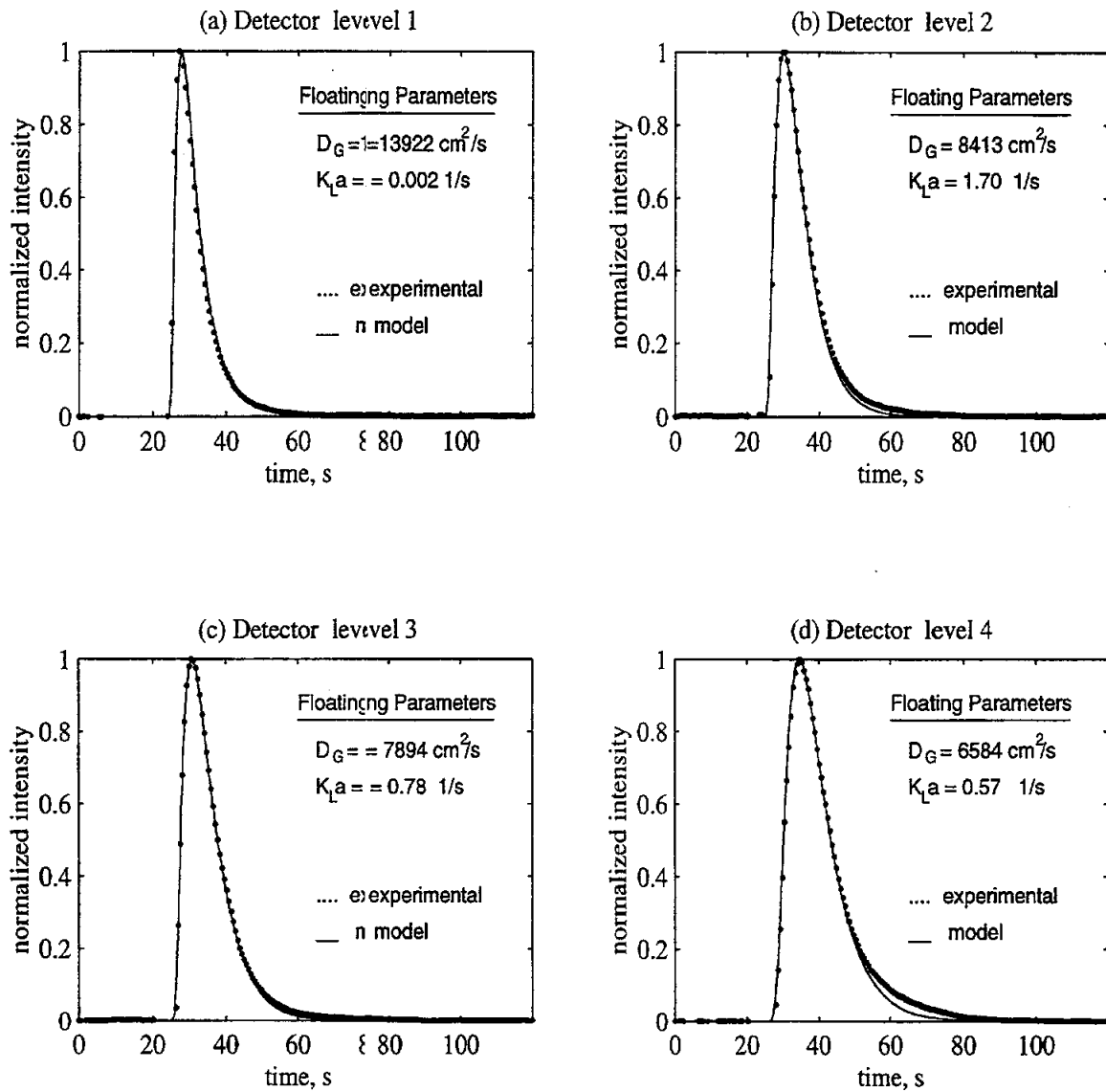


Figure A.6.32: Gas Phase Impulse Response for Case 5, Run 14.8 - 5, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 24.6s



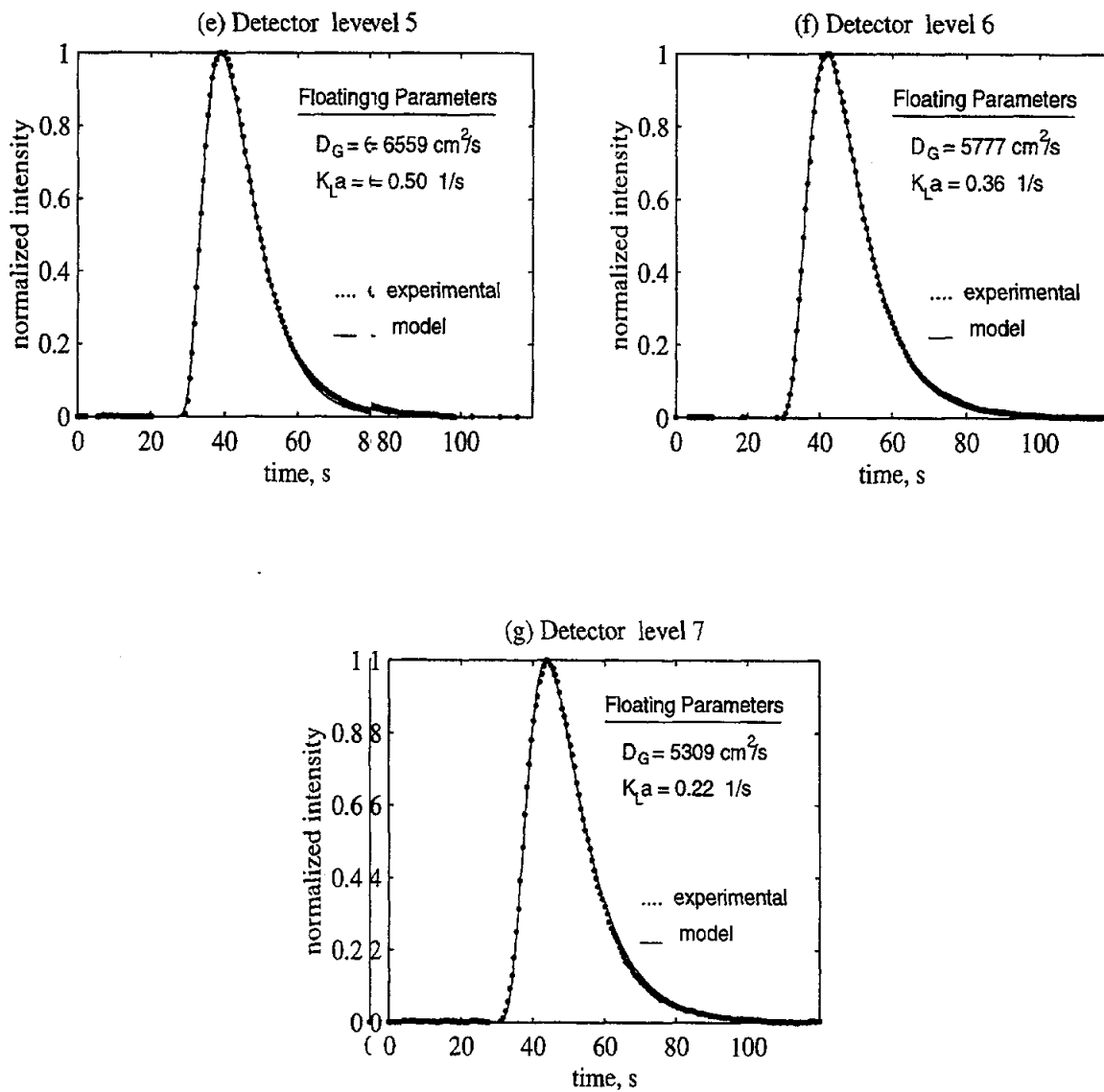


Figure A.6.32 (contd.): Gas Phase Impulse Response for Case 5, Run 14.8 - 5, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 24.6s

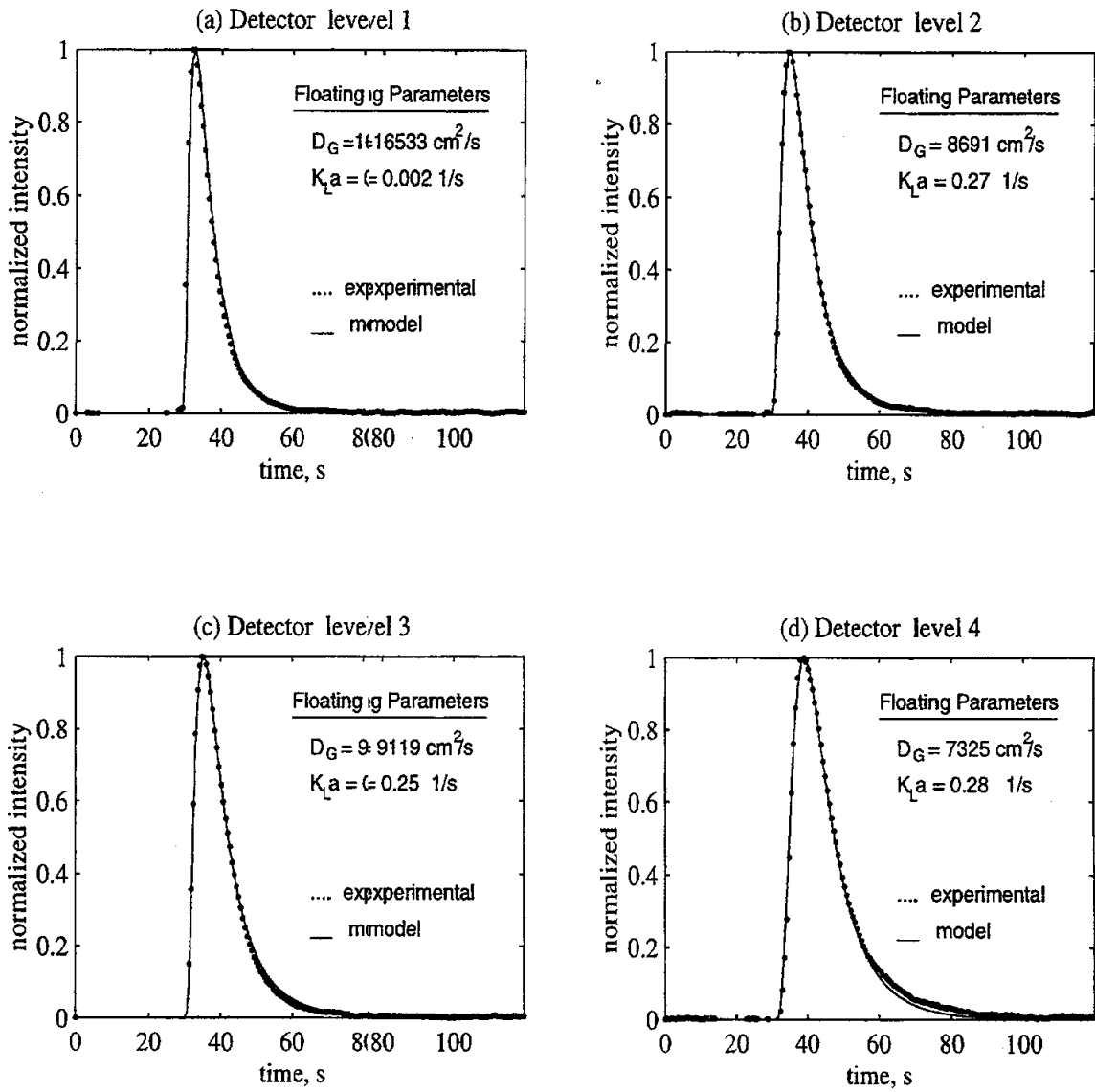


Figure A.6.33: Gas Phase I Impulse Response for Case 5, Run 14.8 - 6, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 29.4s

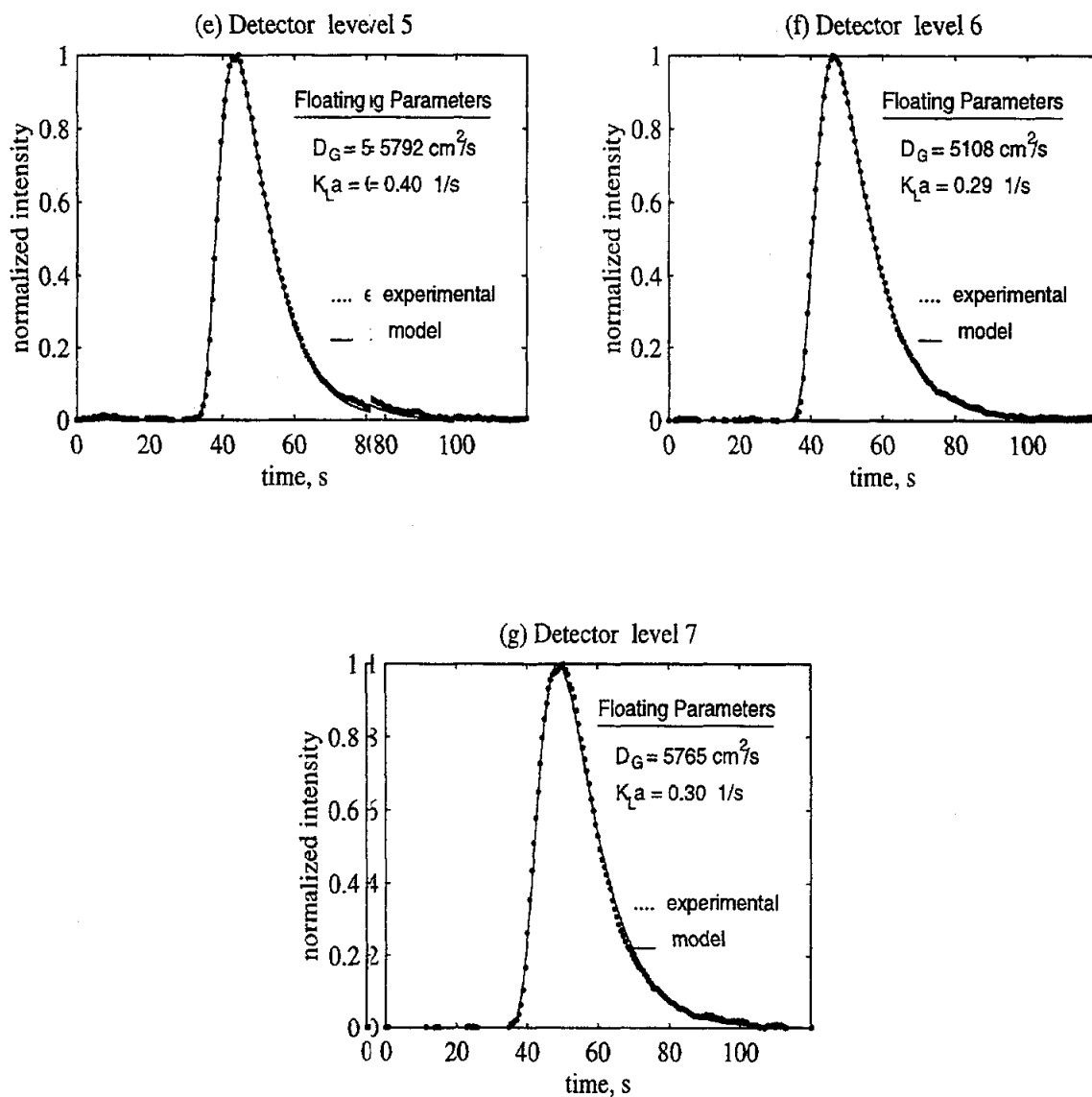


Figure A.6.33 (contd.): Gas Phase Impulse Response for Case 5, Run 14.8 - 6, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 29.4s

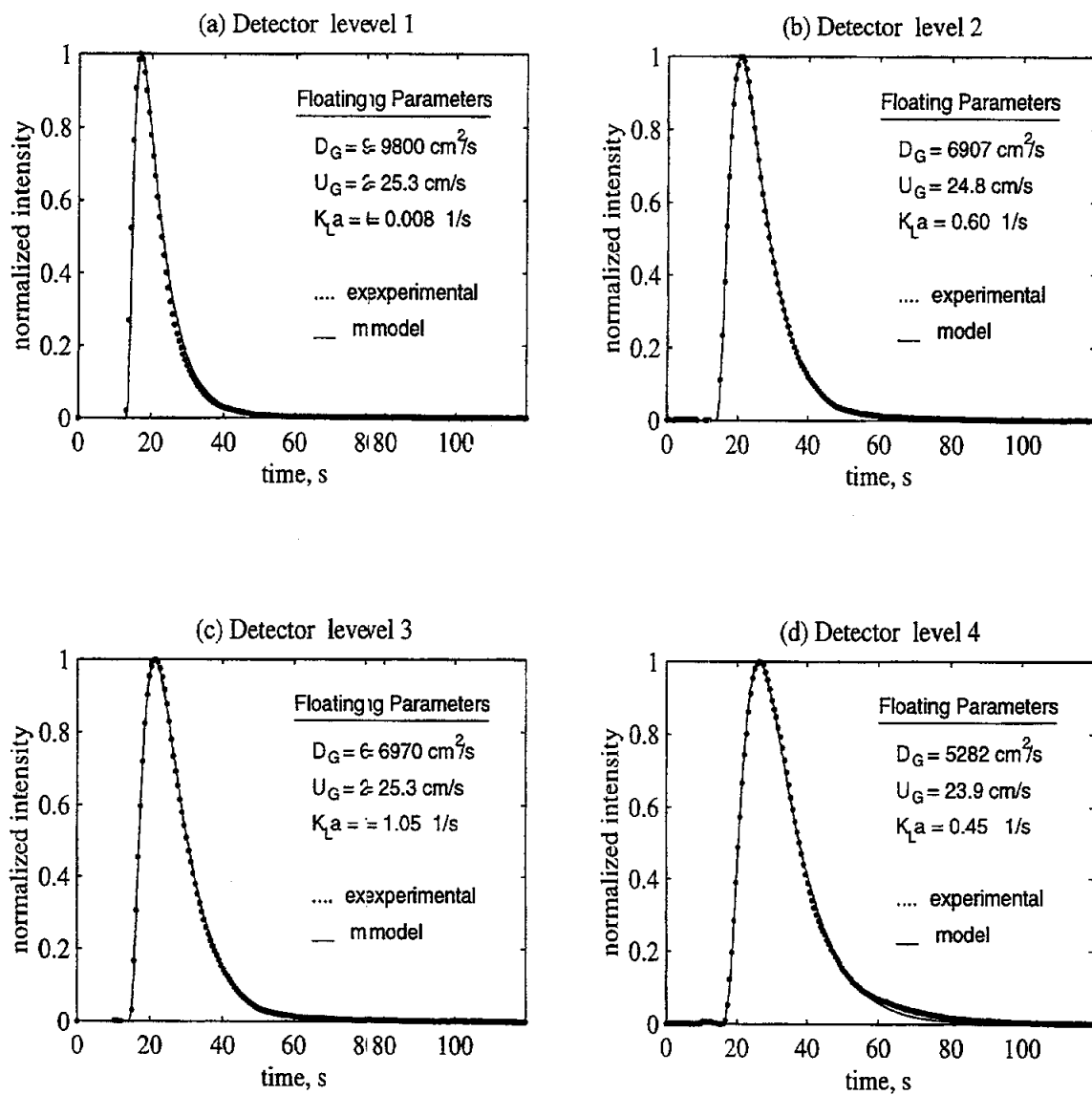


Figure A.6.34: Gas Phase Impulse Response for Case 6, Run 14.6 - 1, (5.2 MPa,  $U_G = 25 \text{ cm/s}$ ), Injection Time 12.6s

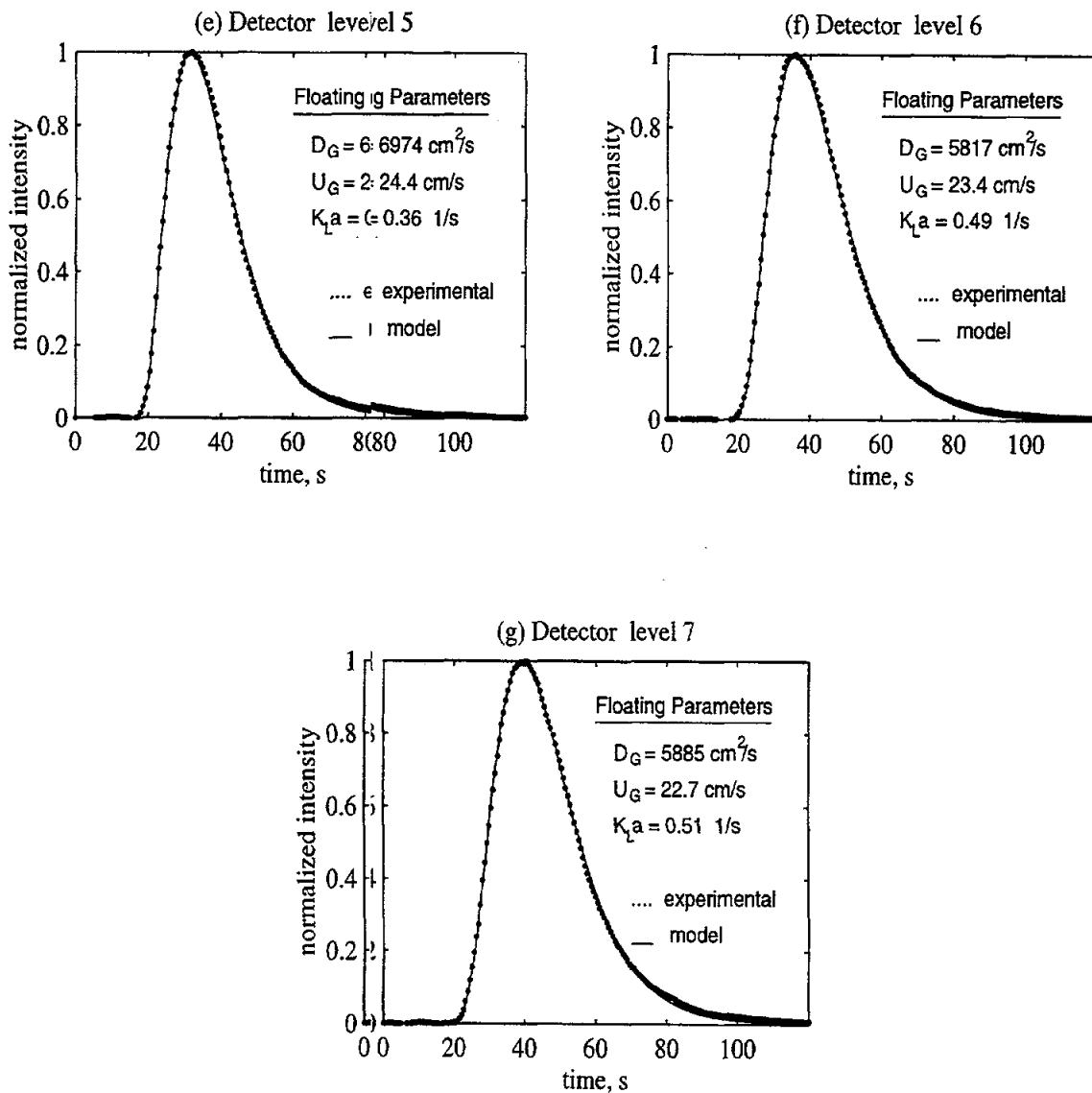


Figure A.6.34 (contd.): Gas Phase Impulse Response for **Case 6**, Run 14.6 - 1, (5.2 MPa,  $U_G = 25 \text{ cm/s}$ ), Injection Time 12.6s

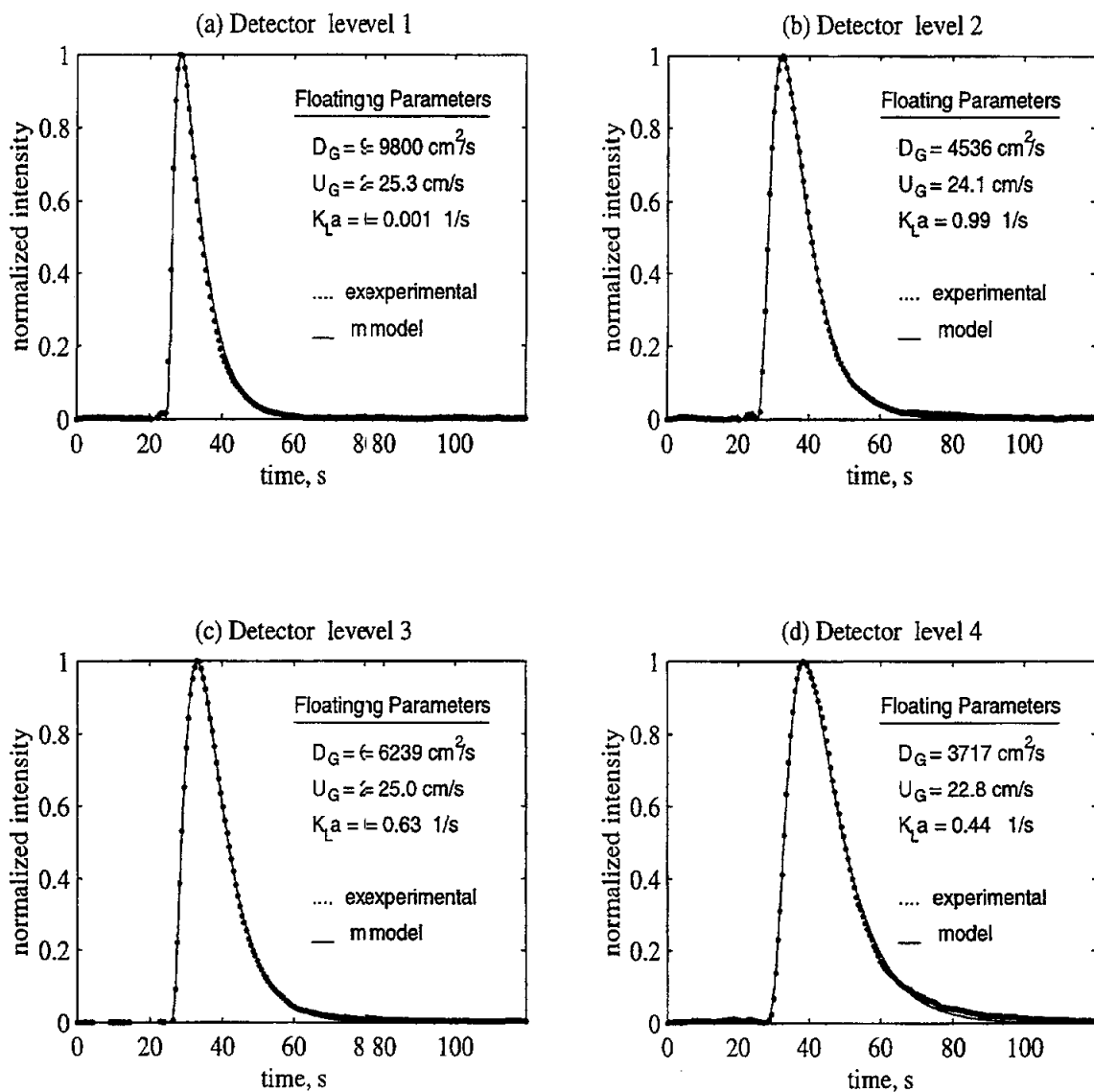


Figure A.6.35: Gas Phase Impulse Response for Case 6, Run 14.6 - 2, (5.2 MPa,  $U_G = 25 \text{ cm/s}$ ), Injection Time 24s

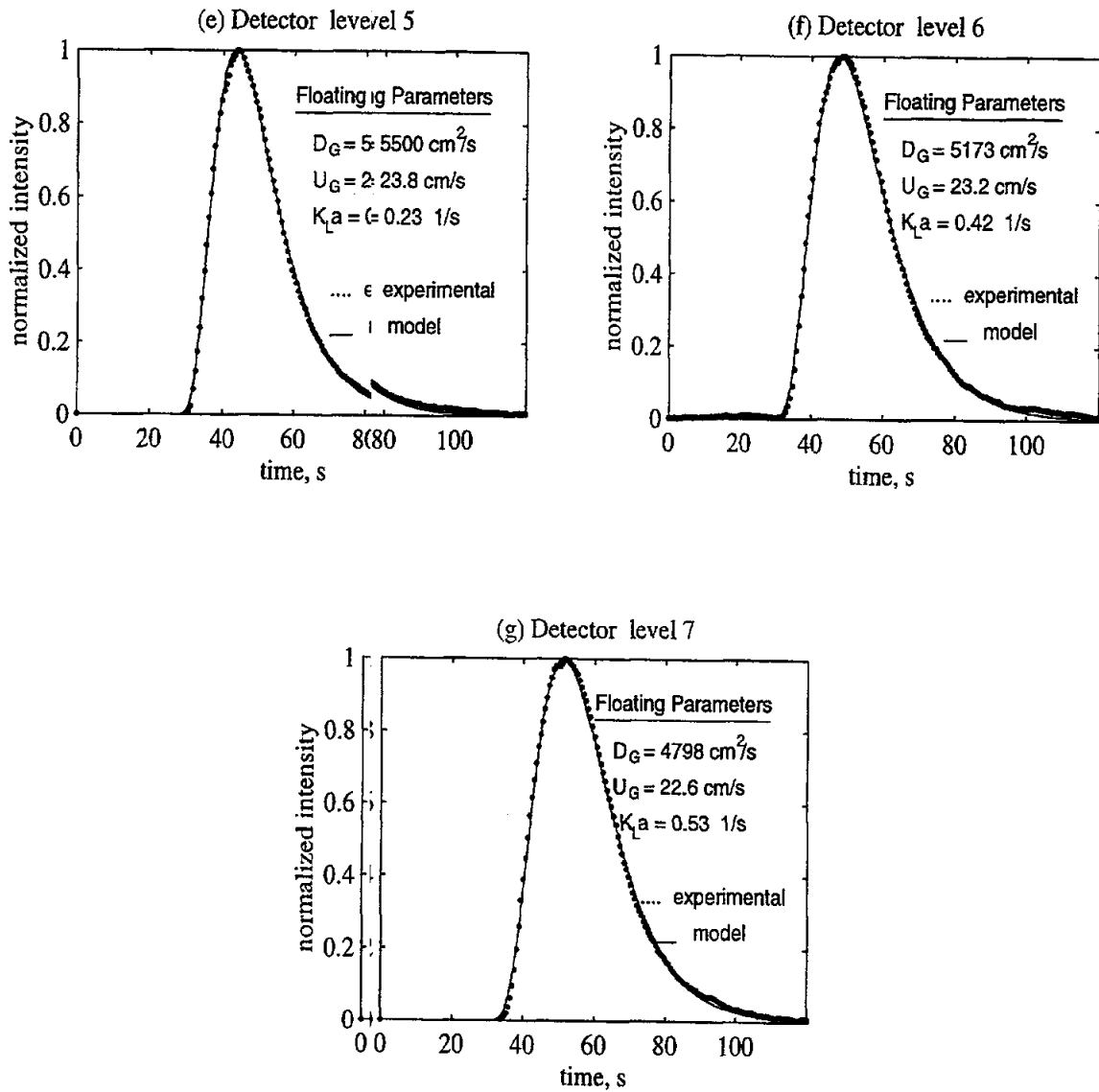


Figure A.6.35 (contd.): Gas Phase Impulse Response for Case 6, Run 14.6 - 2, (5.2 MPa,  $U_G = 25 \text{ cm/s}$ ), Injection Time 24s

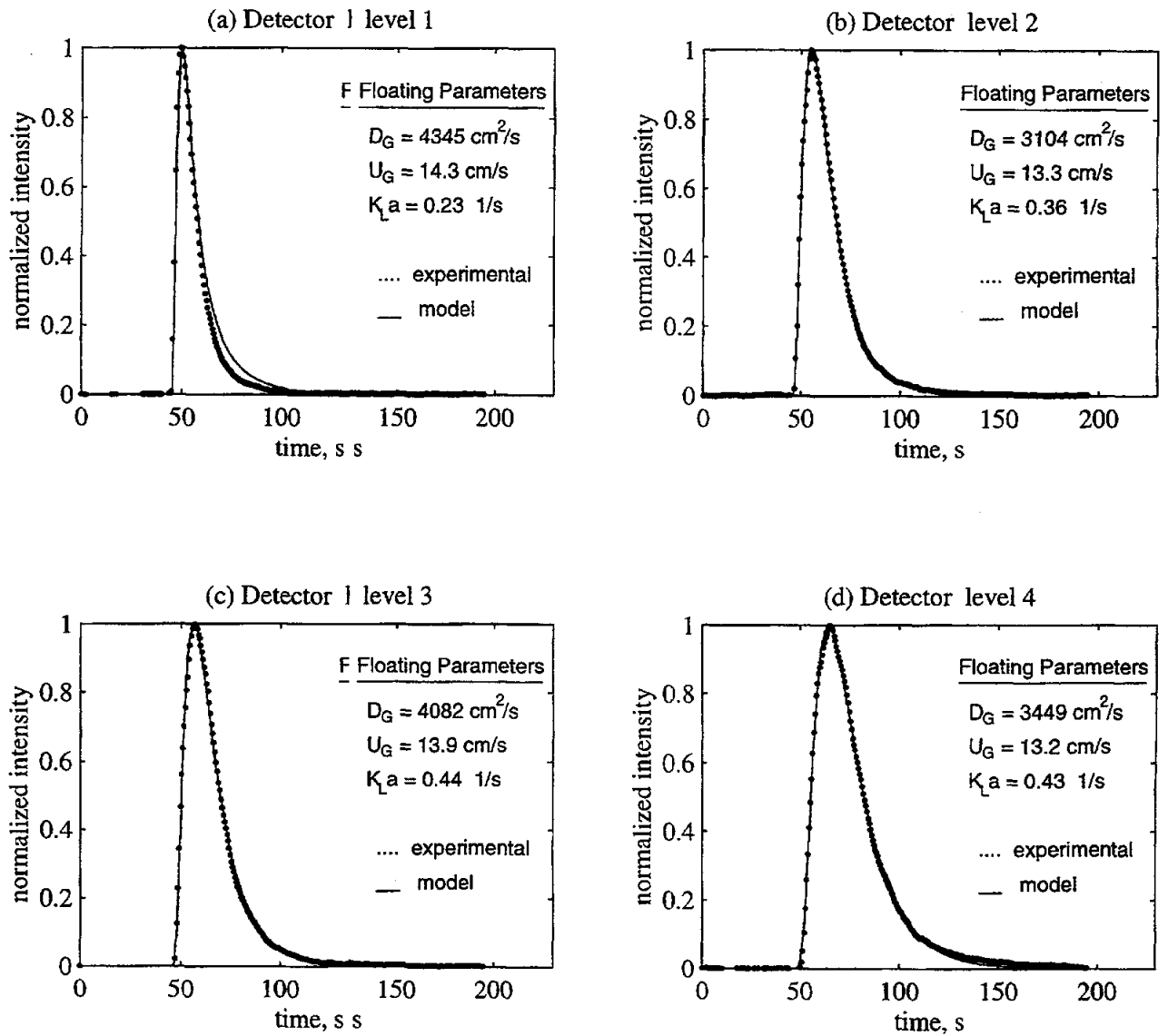


Figure A.6.36: Gas Phase 1 Impulse Response for Case 6, Run 14.7 - 3, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 45s



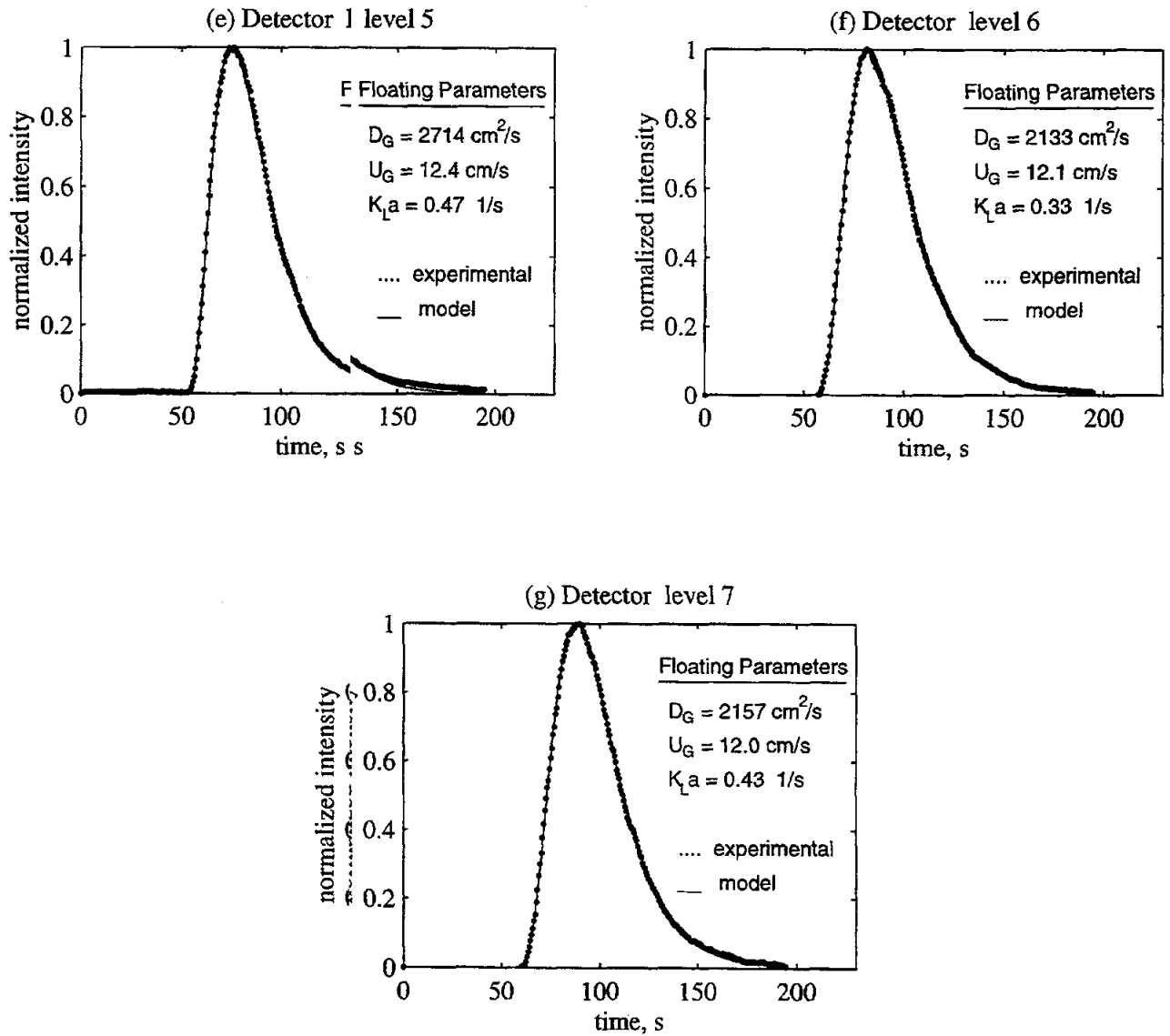


Figure A.6.36 (contd.): Gas s Phase Impulse Response for Case 6, Run 14.7 - 3, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 45s

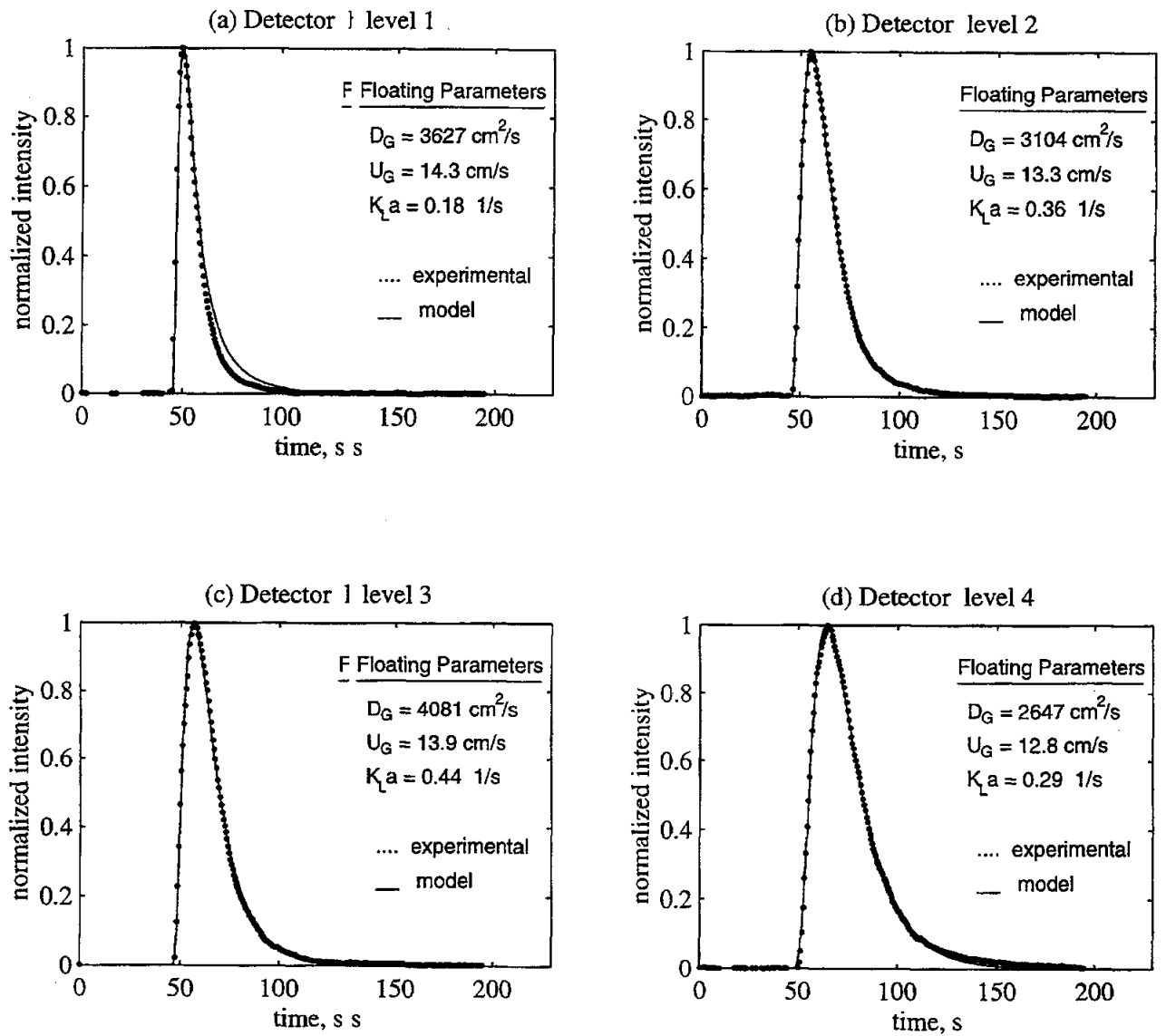


Figure A.6.37: Gas Phase I Impulse Response for Case 6, Run 14.7 - 4, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 30.6s

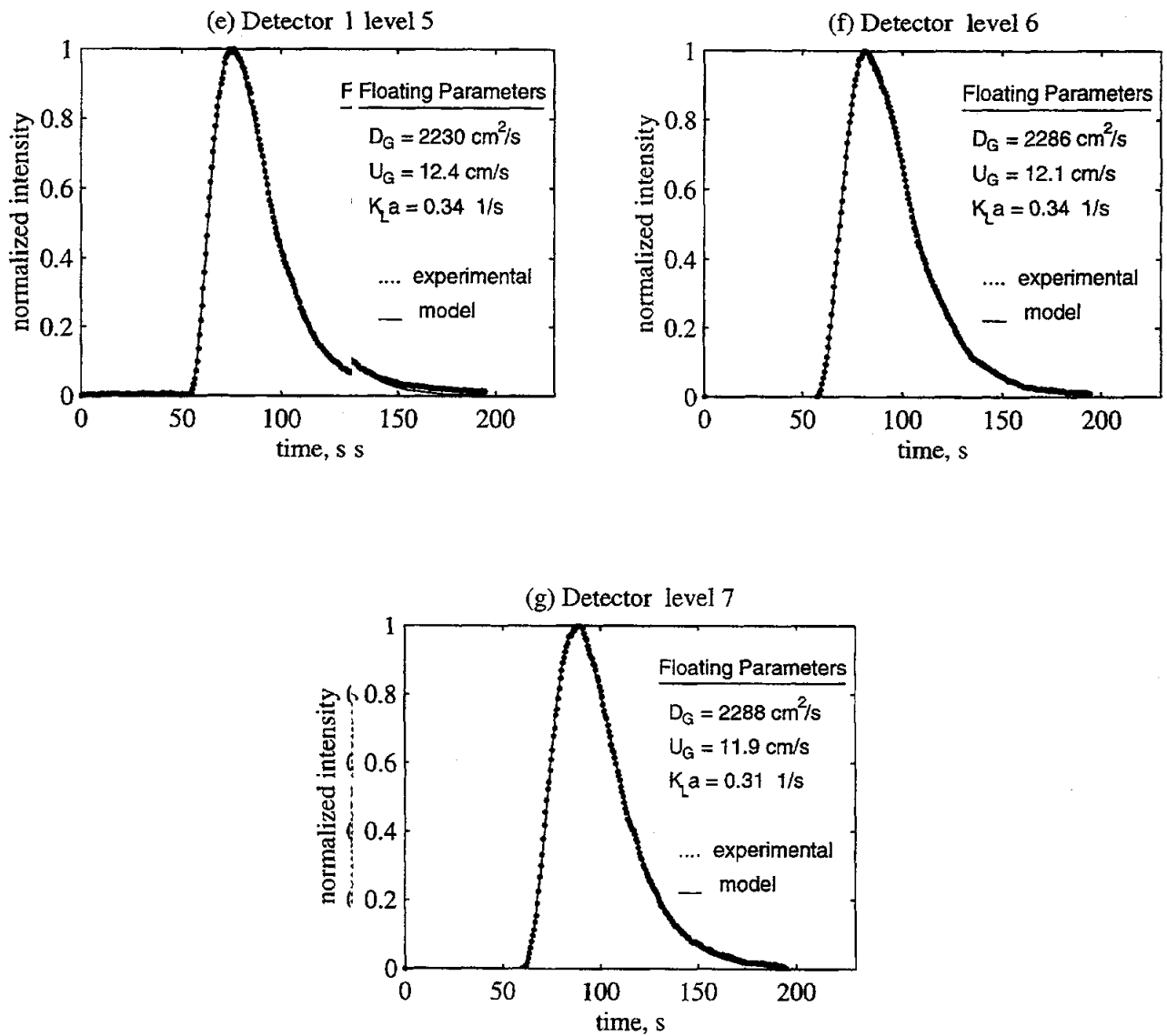


Figure A.6.37 (contd.): Gas s Phase Impulse Response for Case 6, Run 14.7 - 4, (5.2 MPa,  $U_G = 14 \text{ cm/s}$ ), Injection Time 30.6s

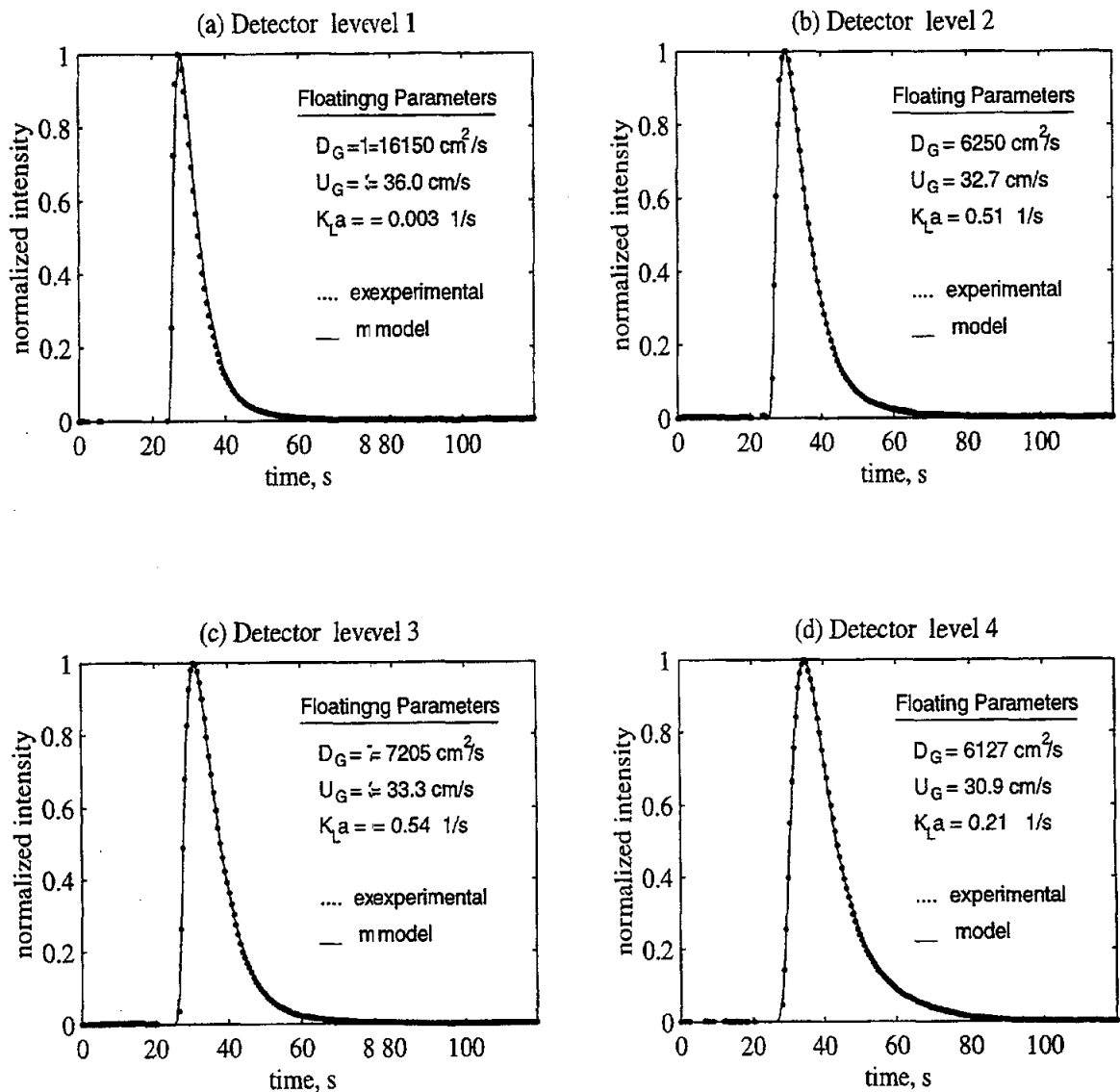


Figure A.6.38: Gas Phase Impulse Response for Case 6, Run 14.8 - 5, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 24.6s

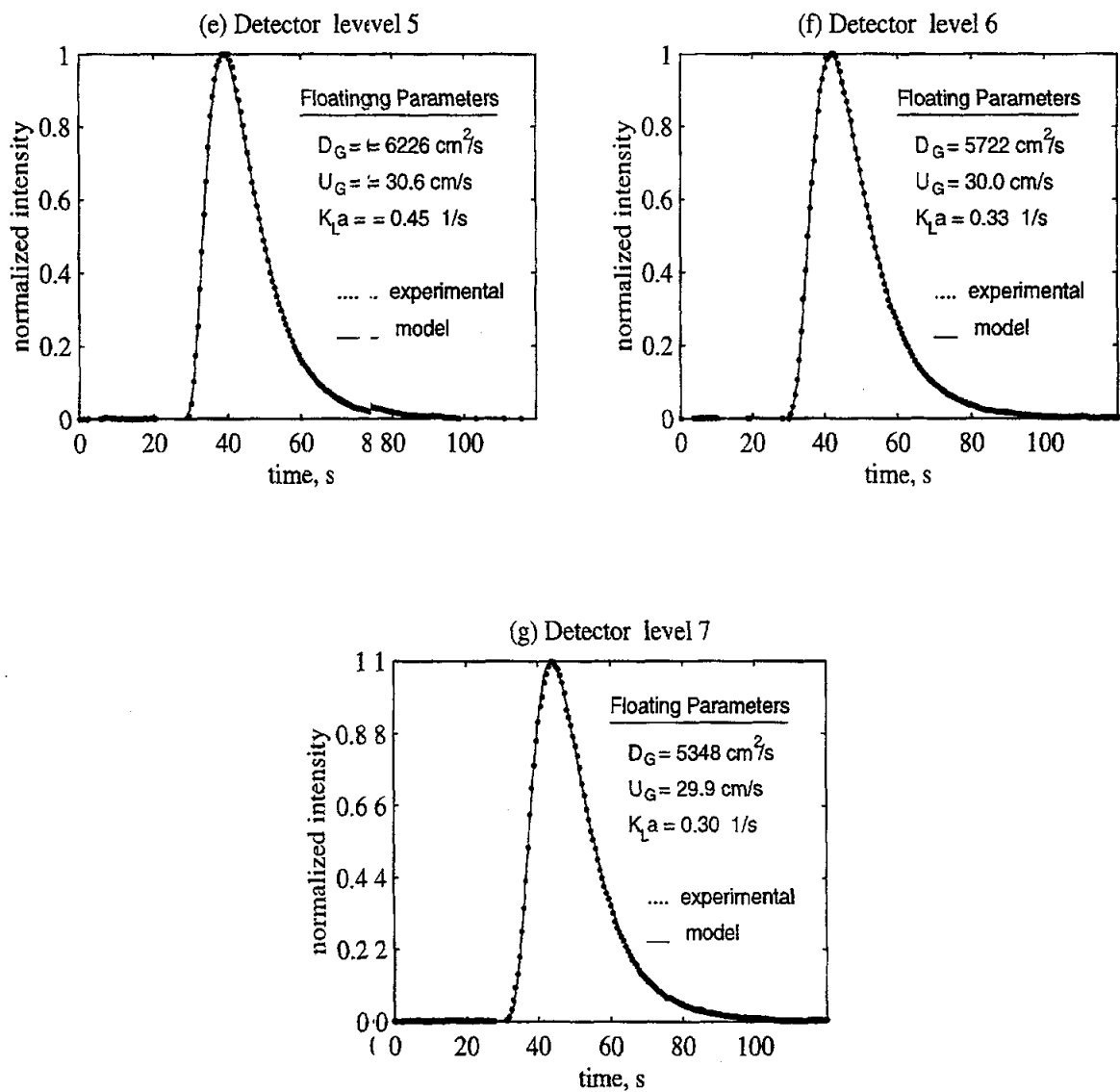


Figure A.6.38 (contd.): Gas Phase Impulse Response for Case 6, Run 14.8 - 5, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 24.6s

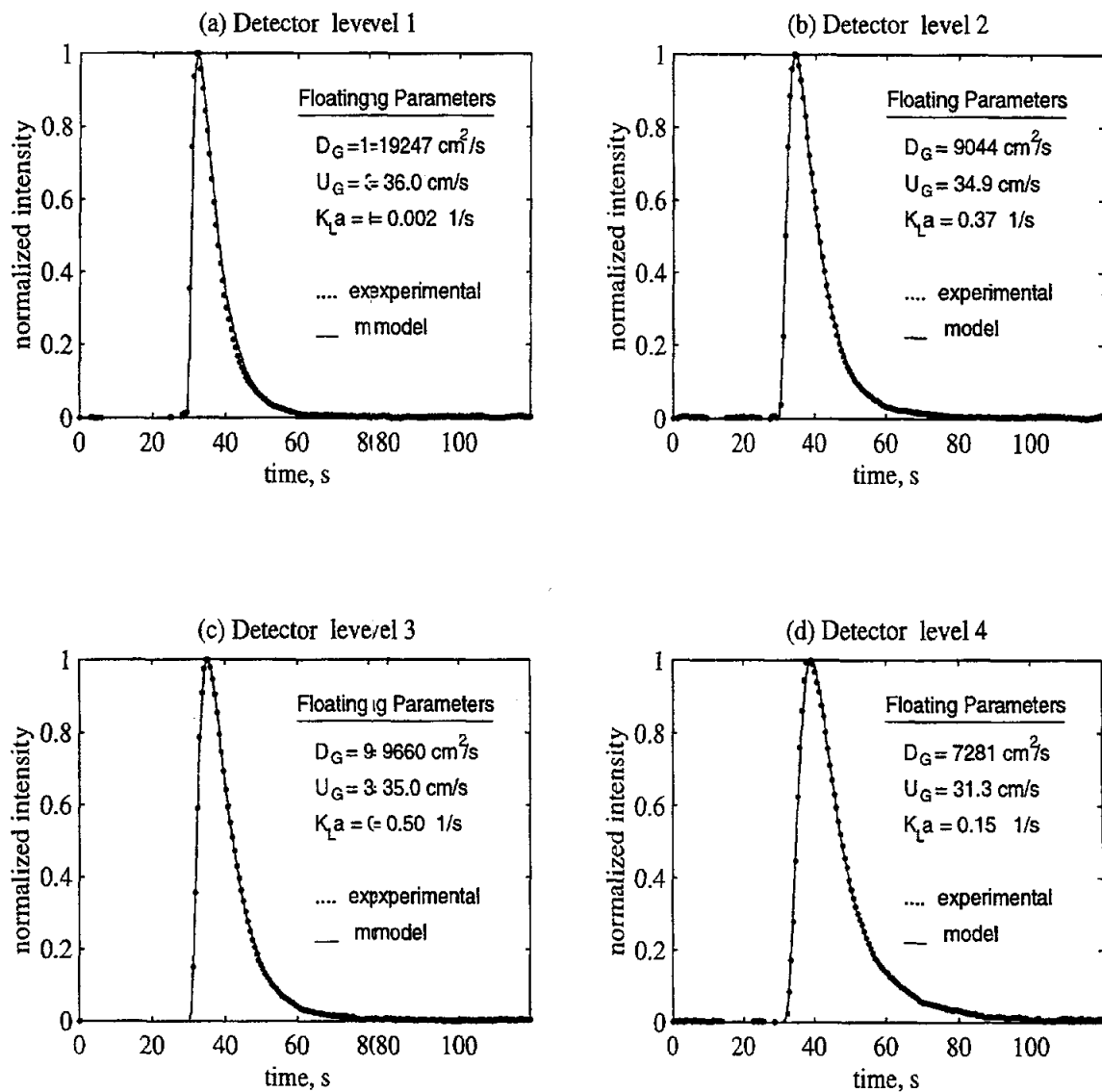


Figure A.6.39: Gas Phase I Impulse Response for Case 6, Run 14.8 - 6, (3.6 MPa,  $U_G \approx 36 \text{ cm/s}$ ), Injection TTime 29.4s

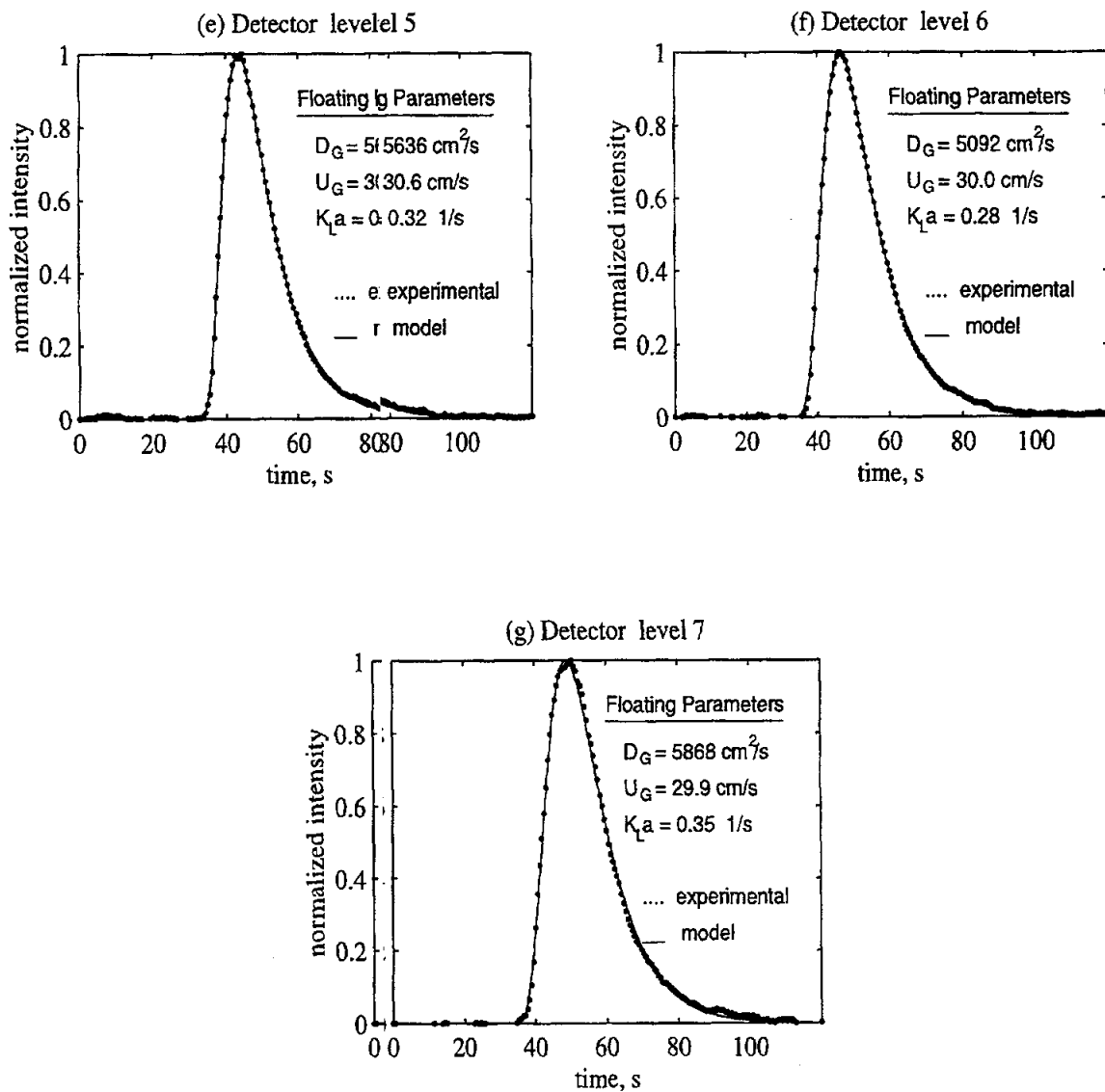


Figure A.6.39 (contd.): Gas Phase Impulse Response for Case 6, Run 14.8 - 6, (3.6 MPa,  $U_G = 36 \text{ cm/s}$ ), Injection Time 29.4s