

Figure A.6.6 (contd.): Gas s Phase Impulse Response for Case 1, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 29.4s

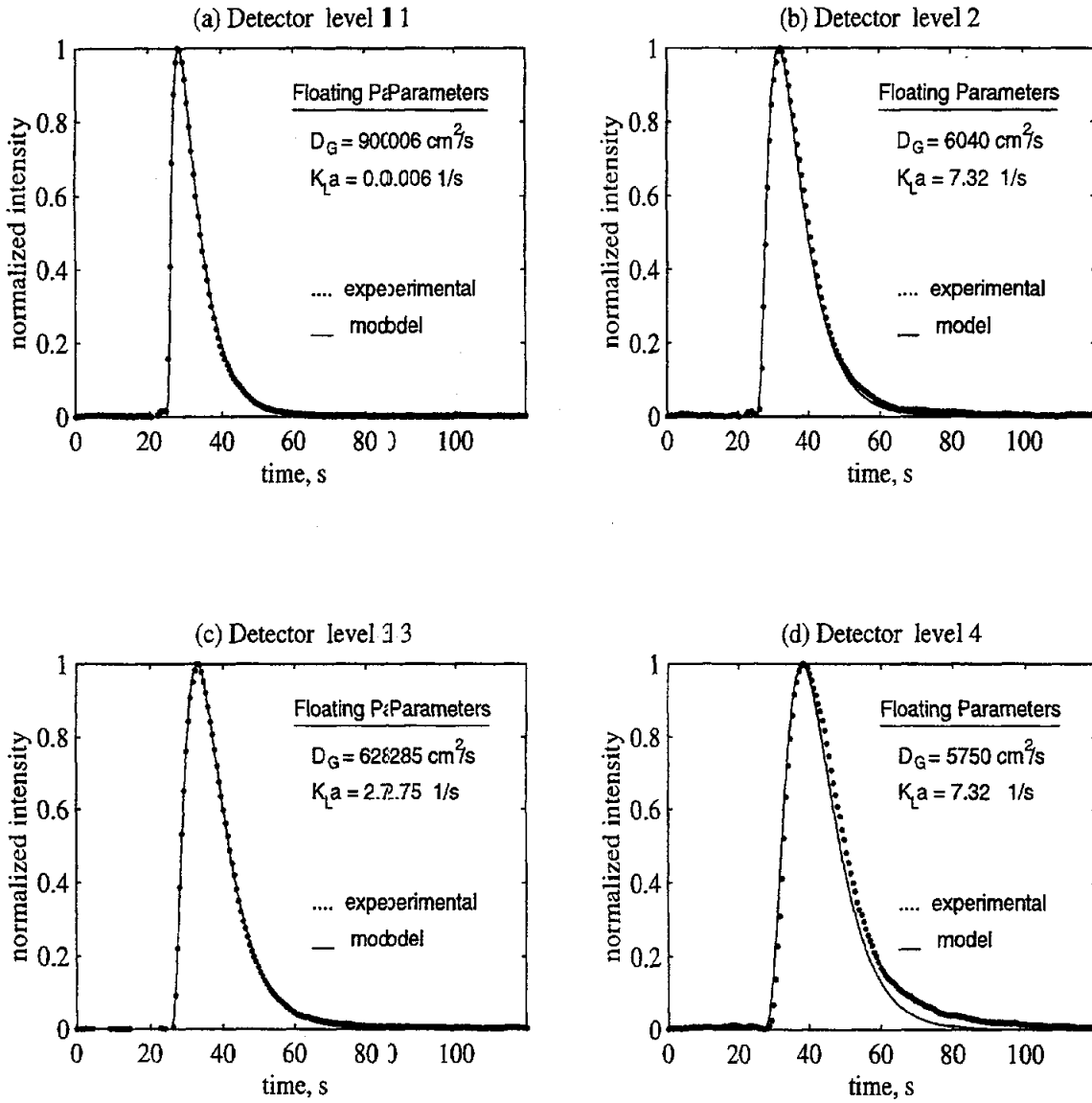


Figure A.6.7: Gas Phase Impulse Response for Case 2a, Run 14.6 - 2, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 24s

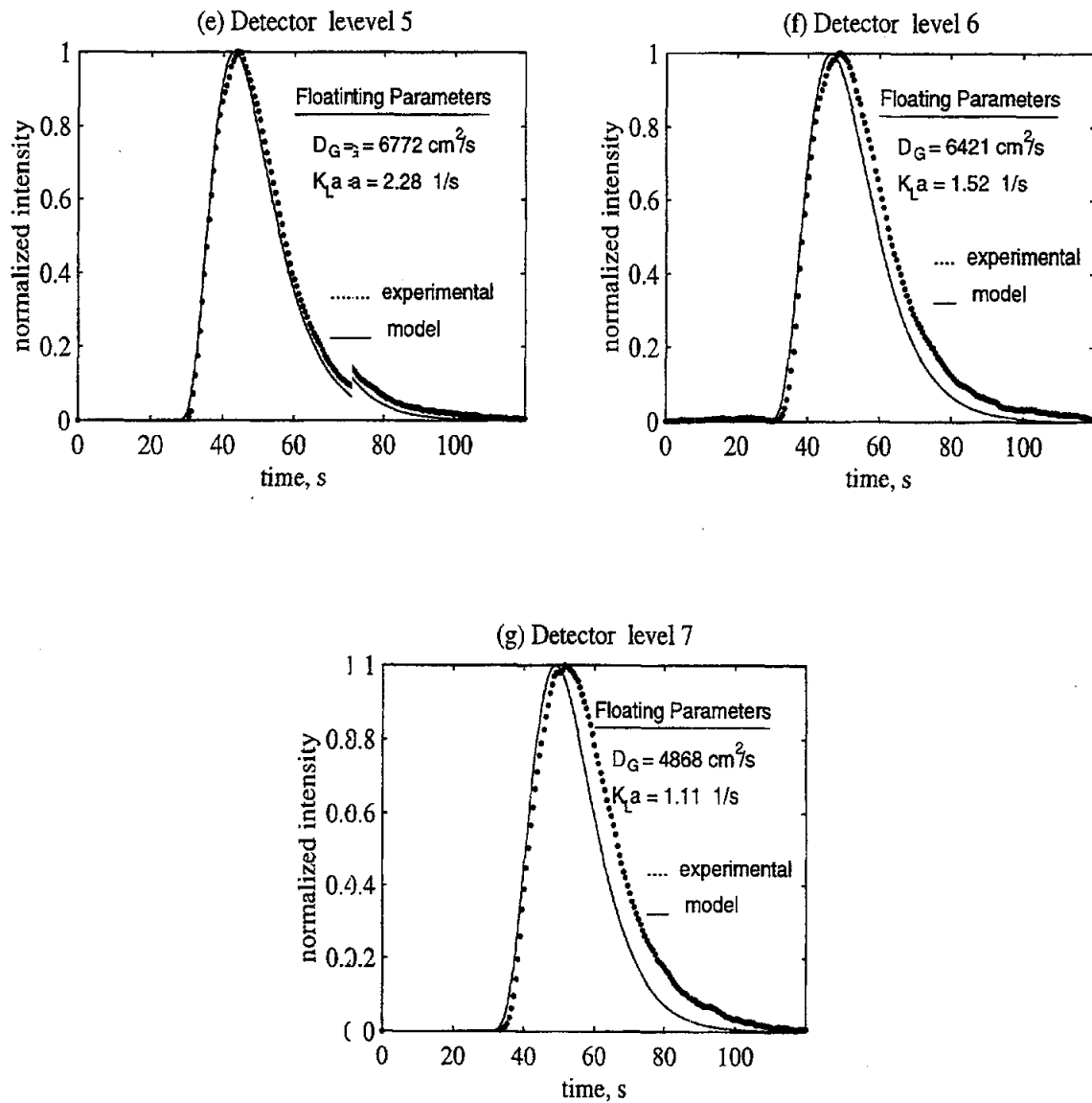


Figure A.6.7 (contd.): Gas s Phase Impulse Response for Case 2a, Run 14.6 - 2, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 24s

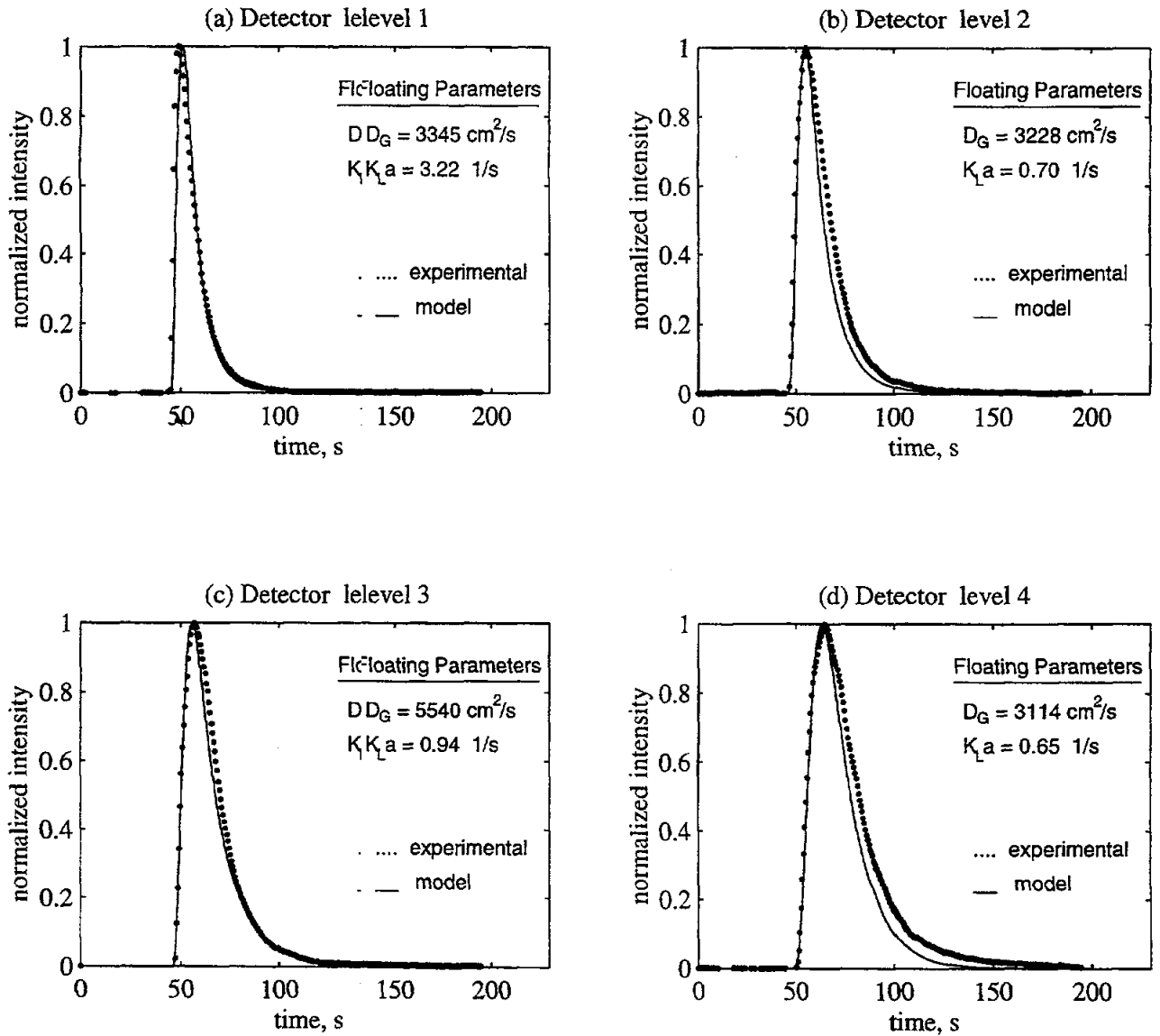


Figure A.6.8: Gas Phase Impulse Response for Case 2a, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 47.4s

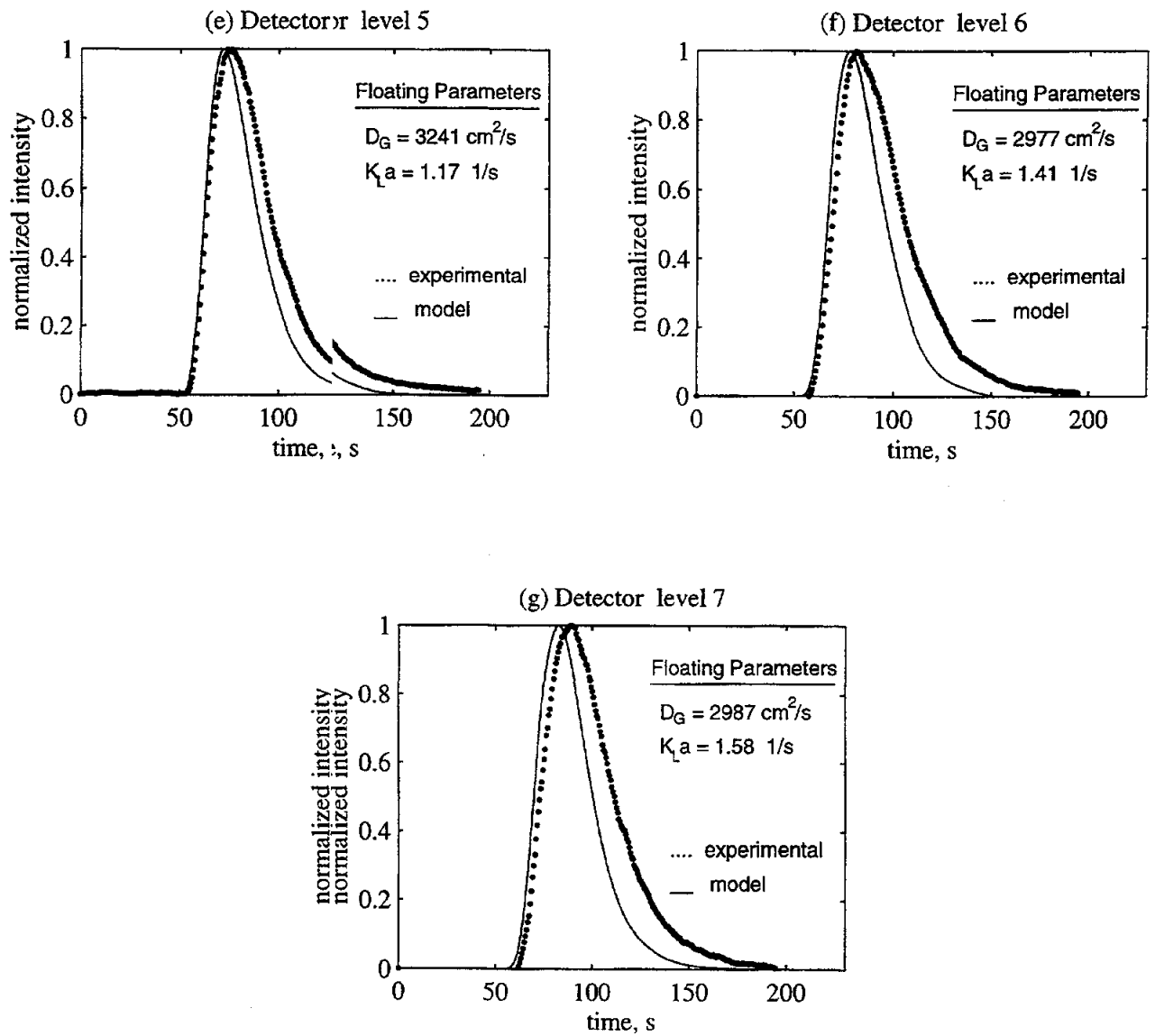


Figure A.6.8 (contd.): Gas s Phase Impulse Response for Case 2a, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 47.4s

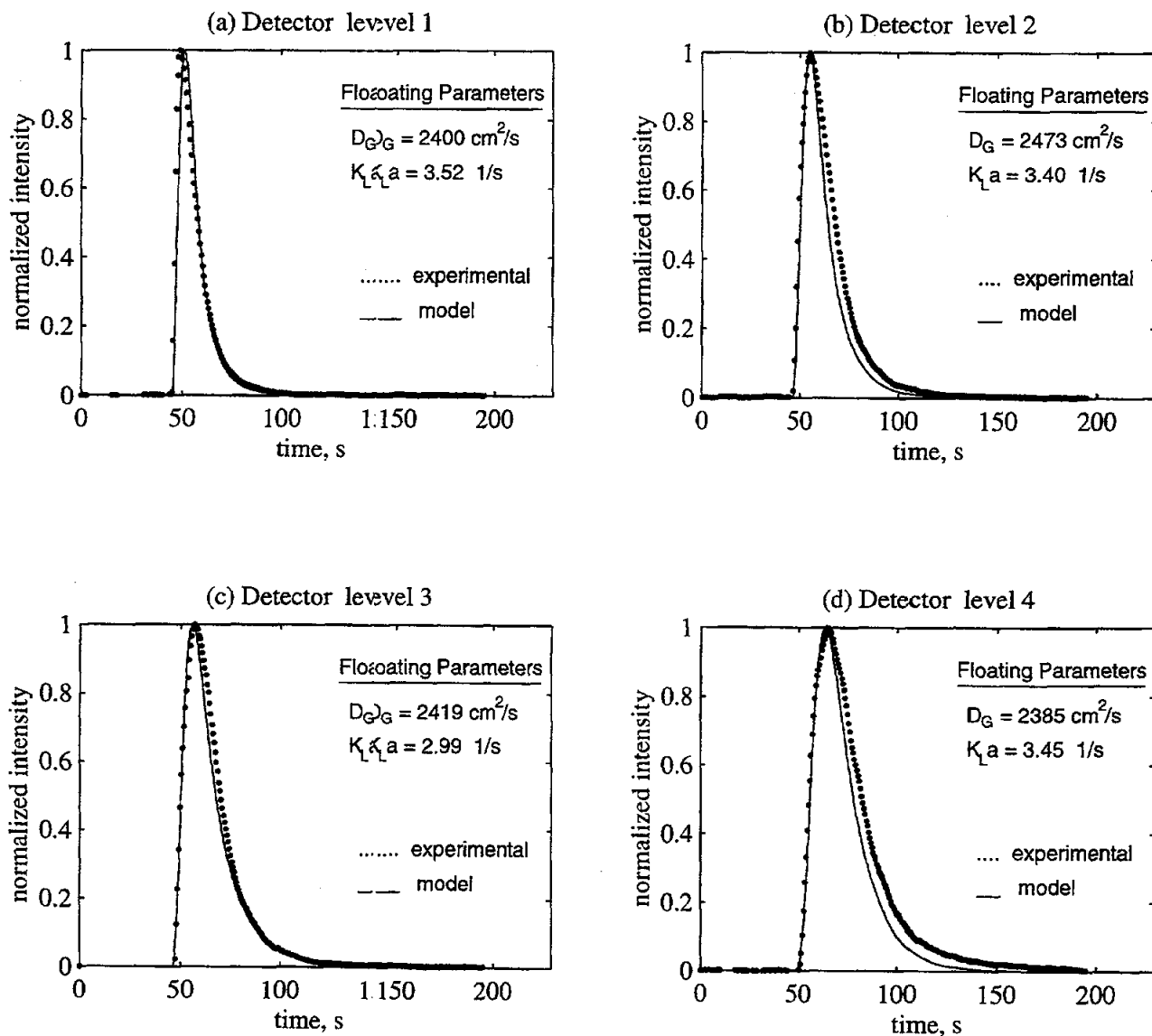


Figure A.6.9: Gas Phase Impulse Response for Case 2a, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 33s

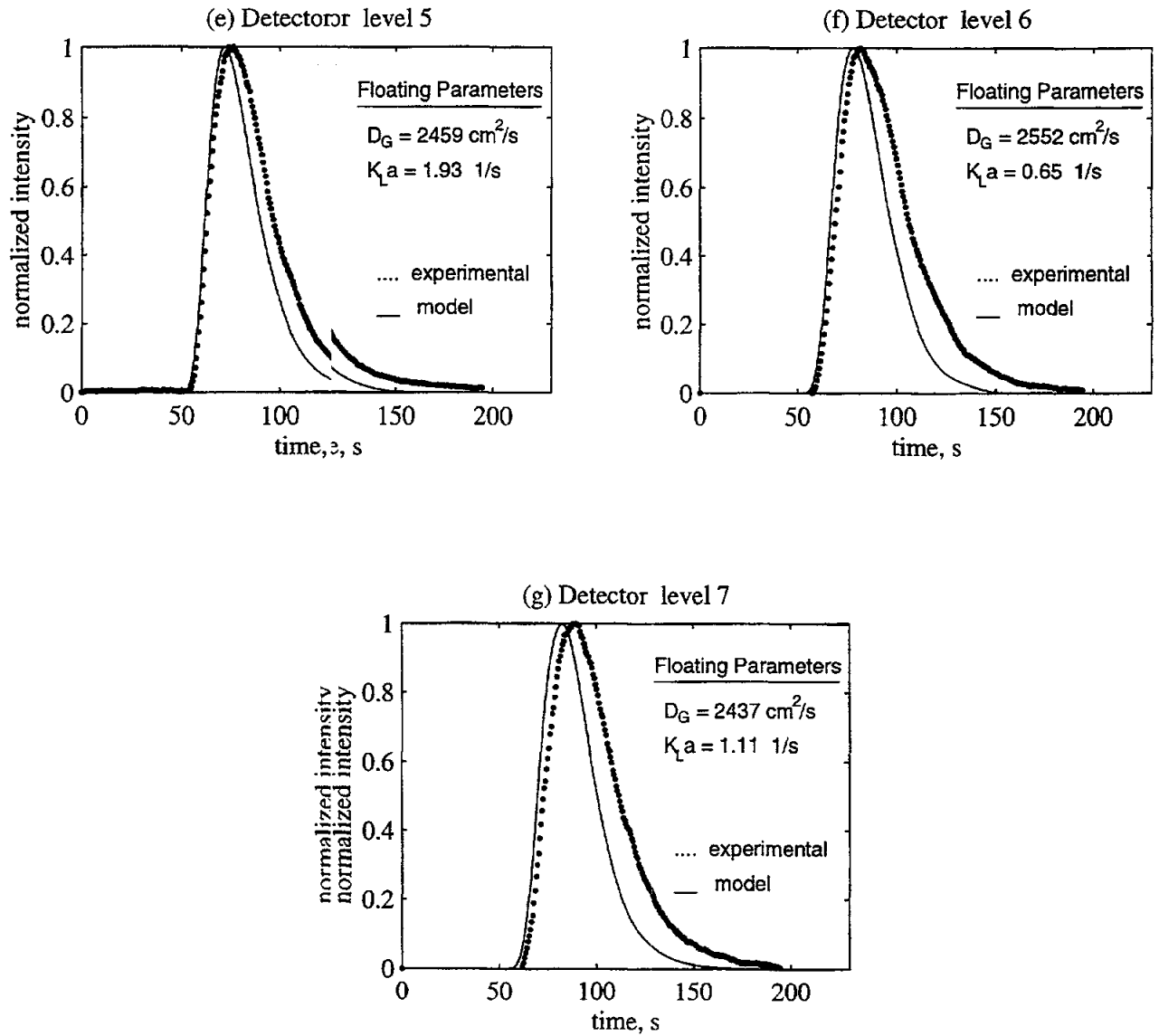


Figure A.6.9 (contd.): Gas s Phase Impulse Response for **Case 2a**, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 33s

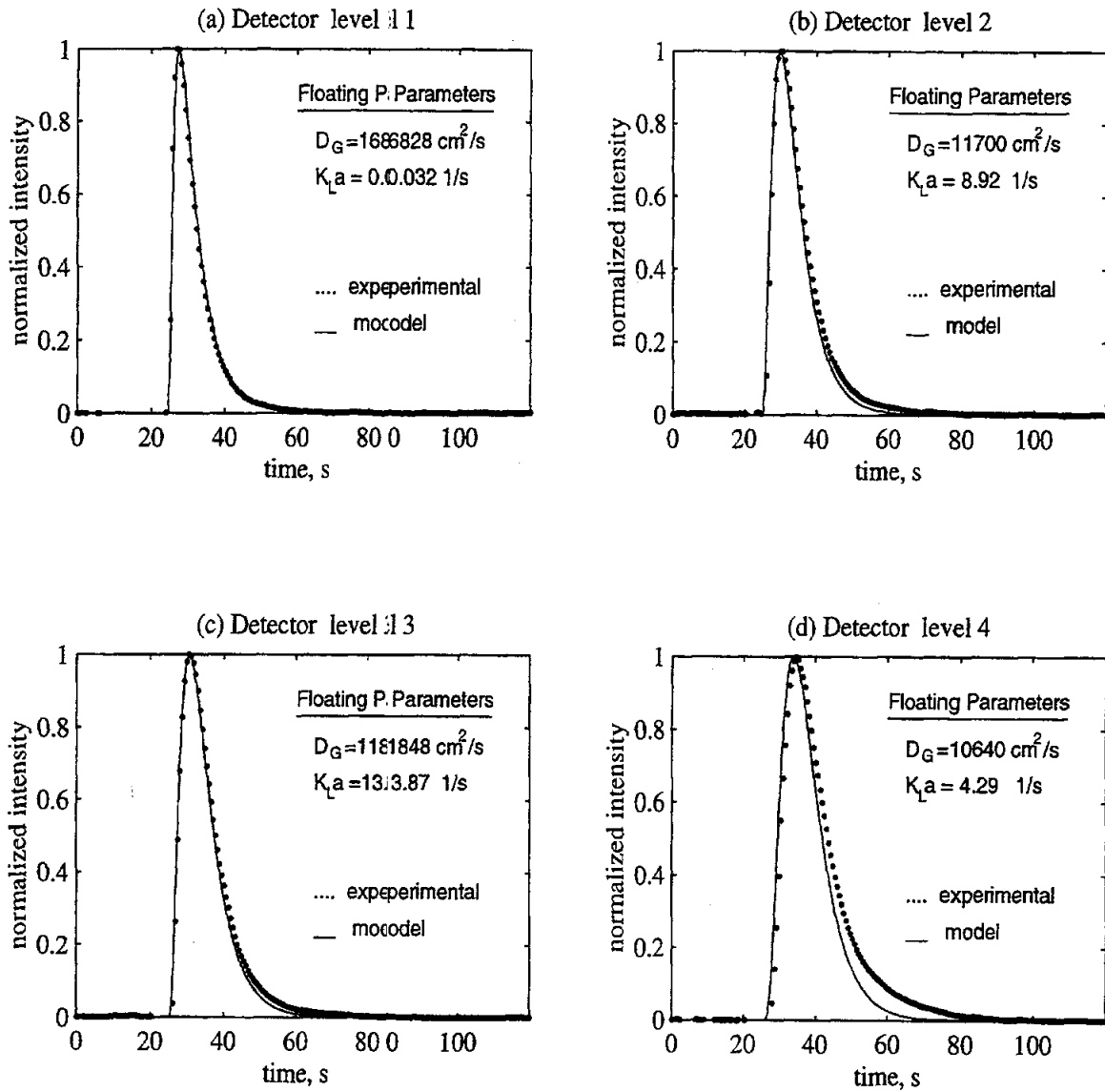


Figure A.6.10: Gas Phase Impulse Response for Case 2a, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 24.6s

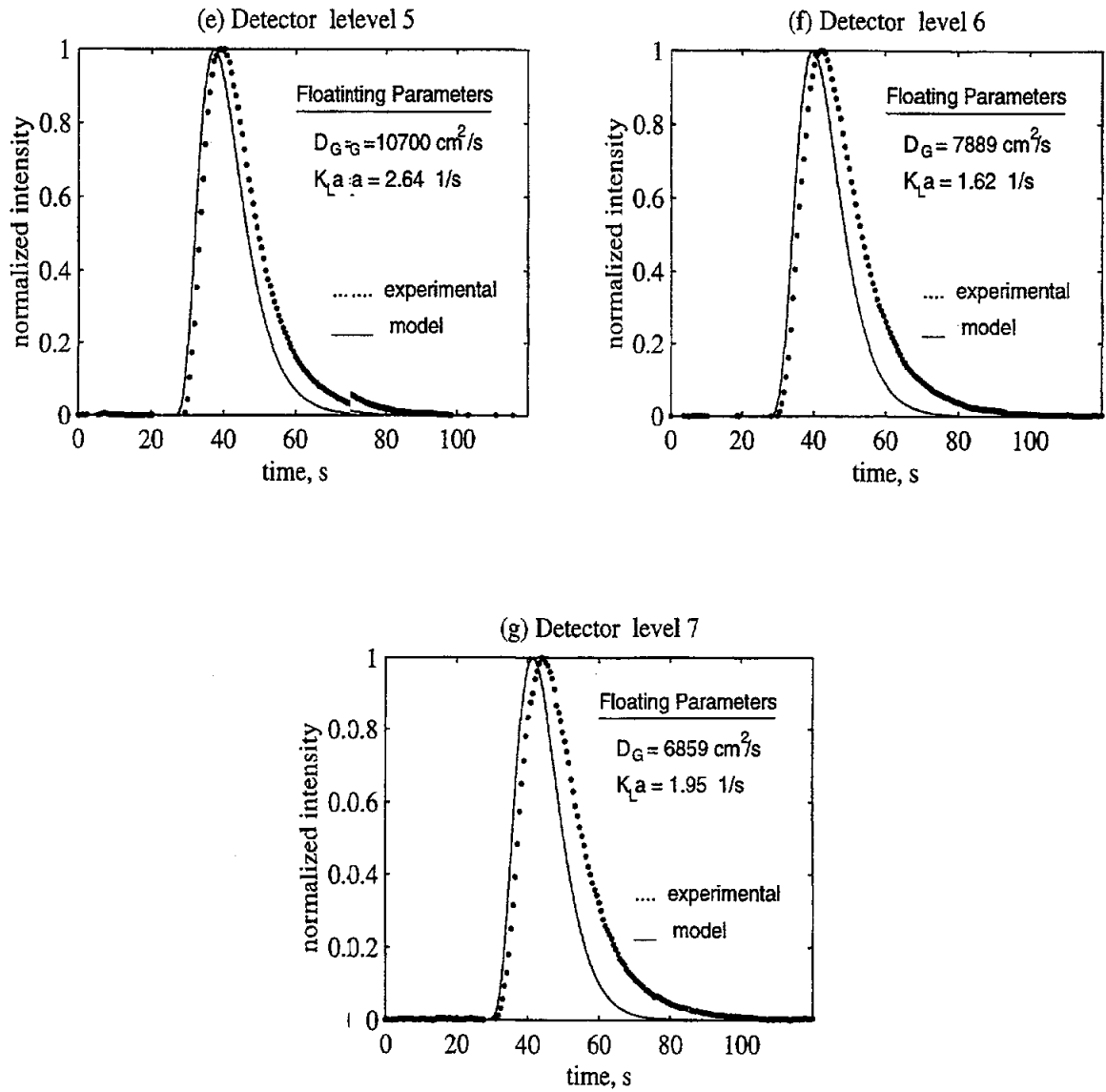


Figure A.6.10 (contd.): Gas Phase Impulse Response for Case 2a, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), , Injection Time 24.6s

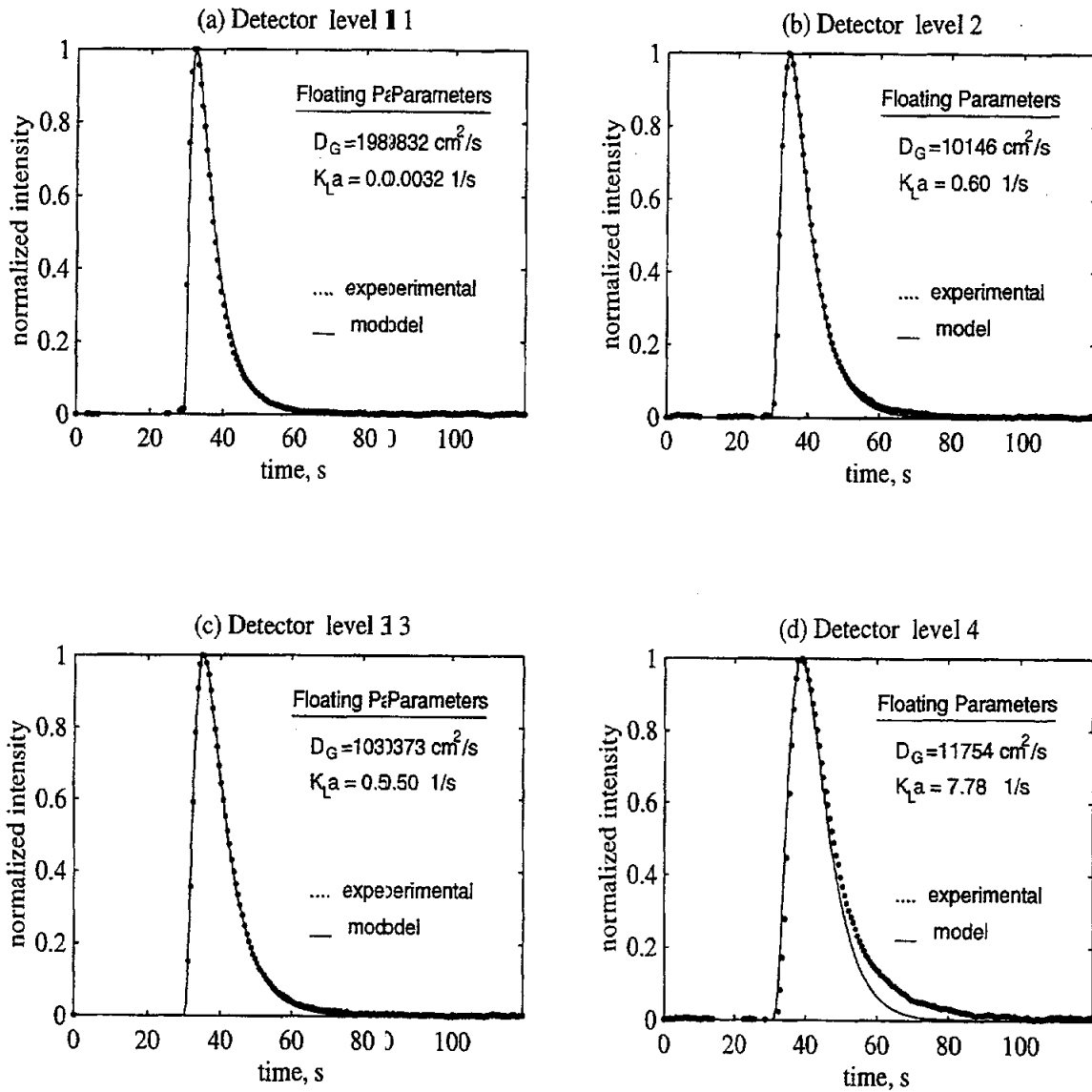


Figure A.6.11: Gas Phase Impulse Response for Case 2a, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 29.4s

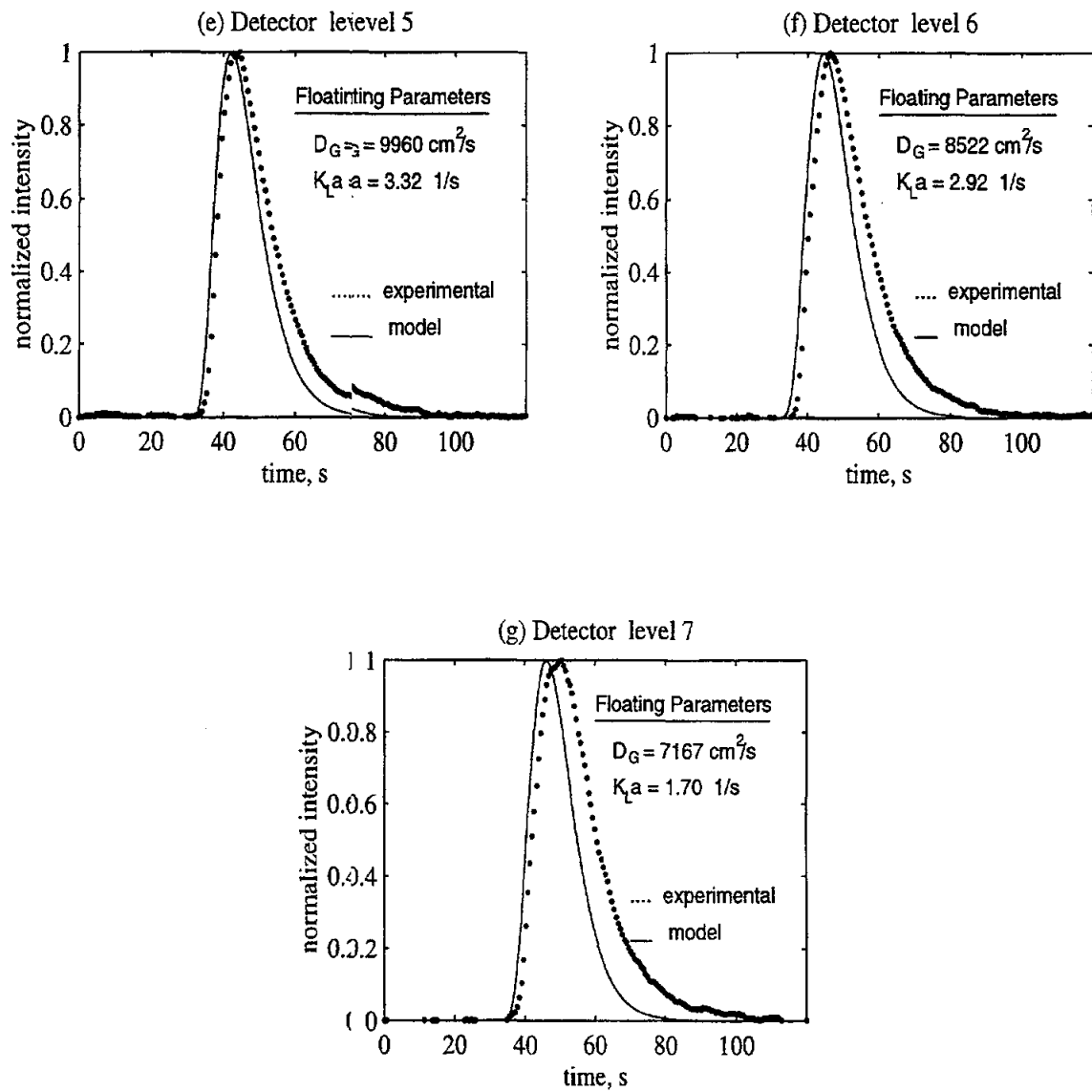


Figure A.6.11 (contd.): Gas Phase Impulse Response for Case 2a, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), , Injection Time 29.4s

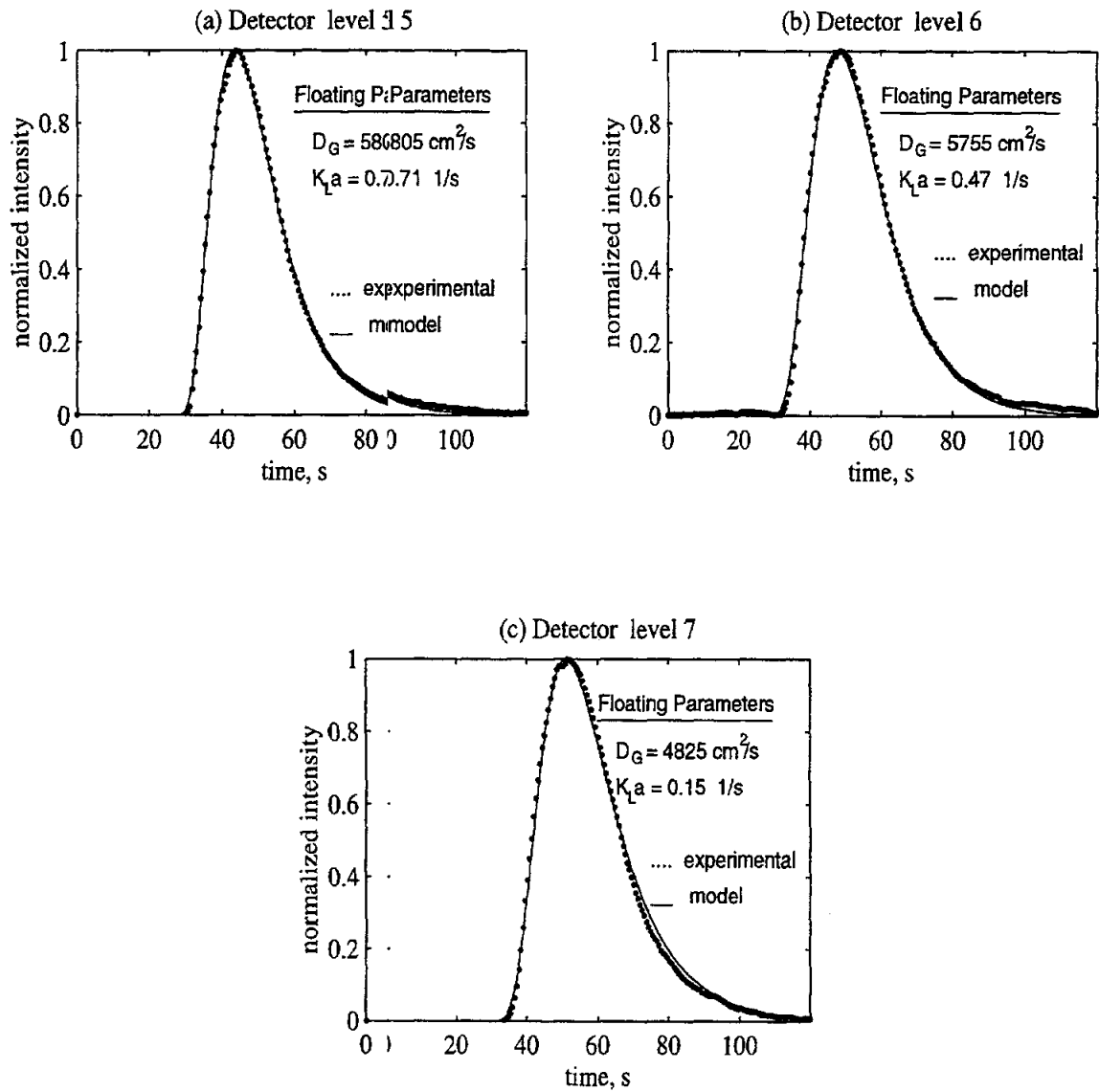


Figure A.6.12: Gas Phase Impulse Response for Case 2b, Run 14.6 - 2, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 24s

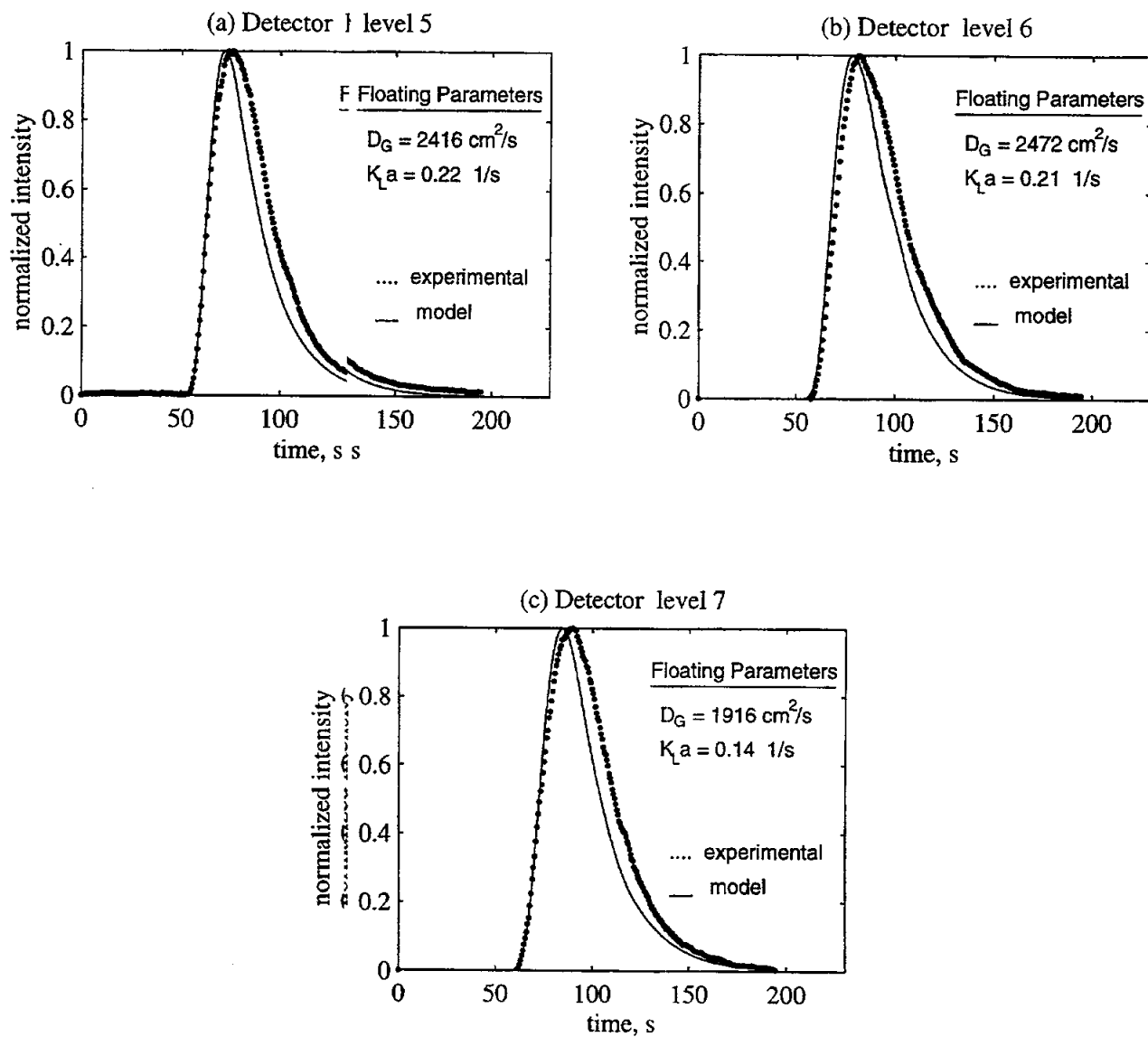


Figure A.6.13: Gas Phase Impulse Response for Case 2b, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 47s

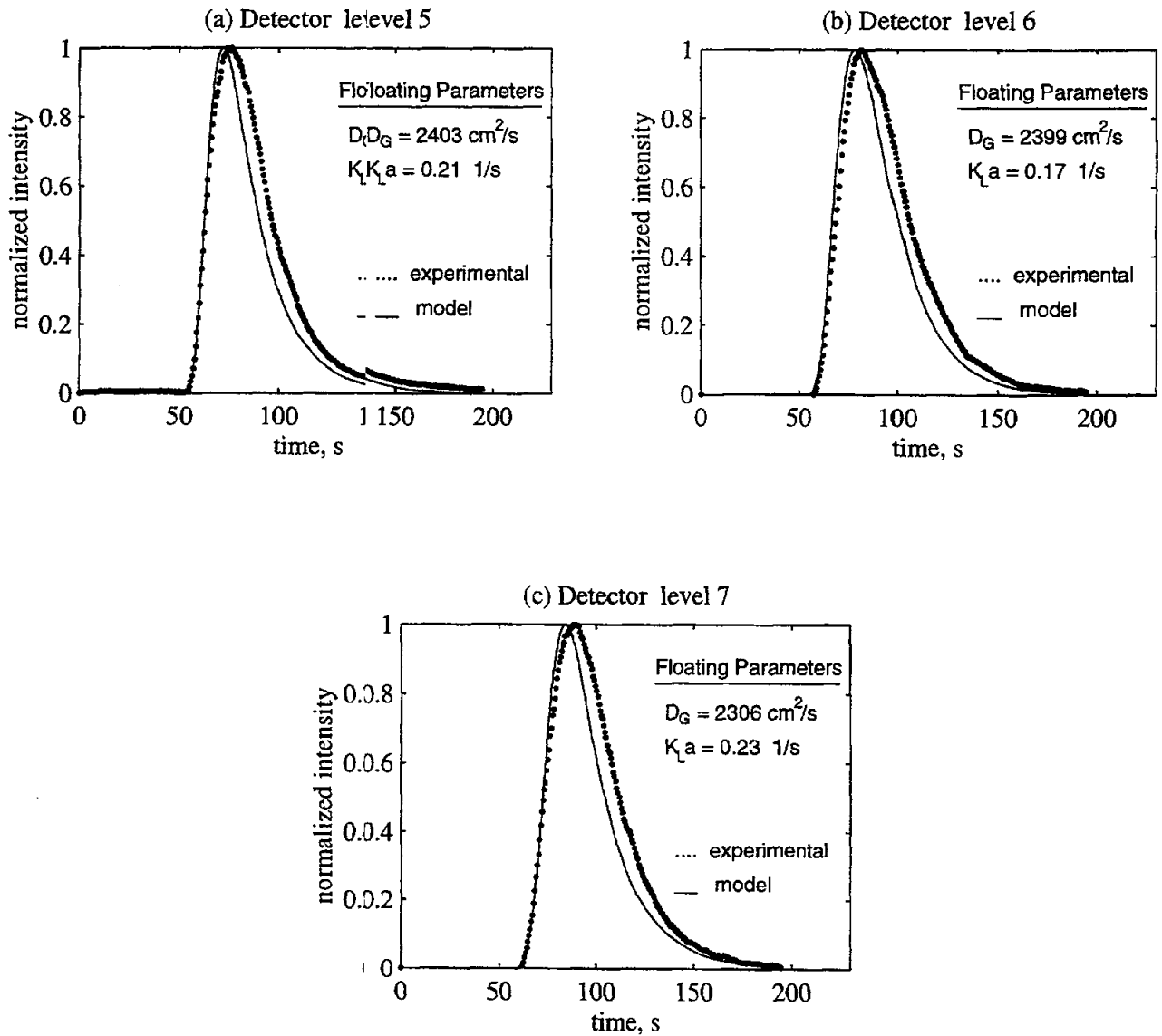


Figure A.6.14: Gas Phase Impulse Response for Case 2b, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 33s

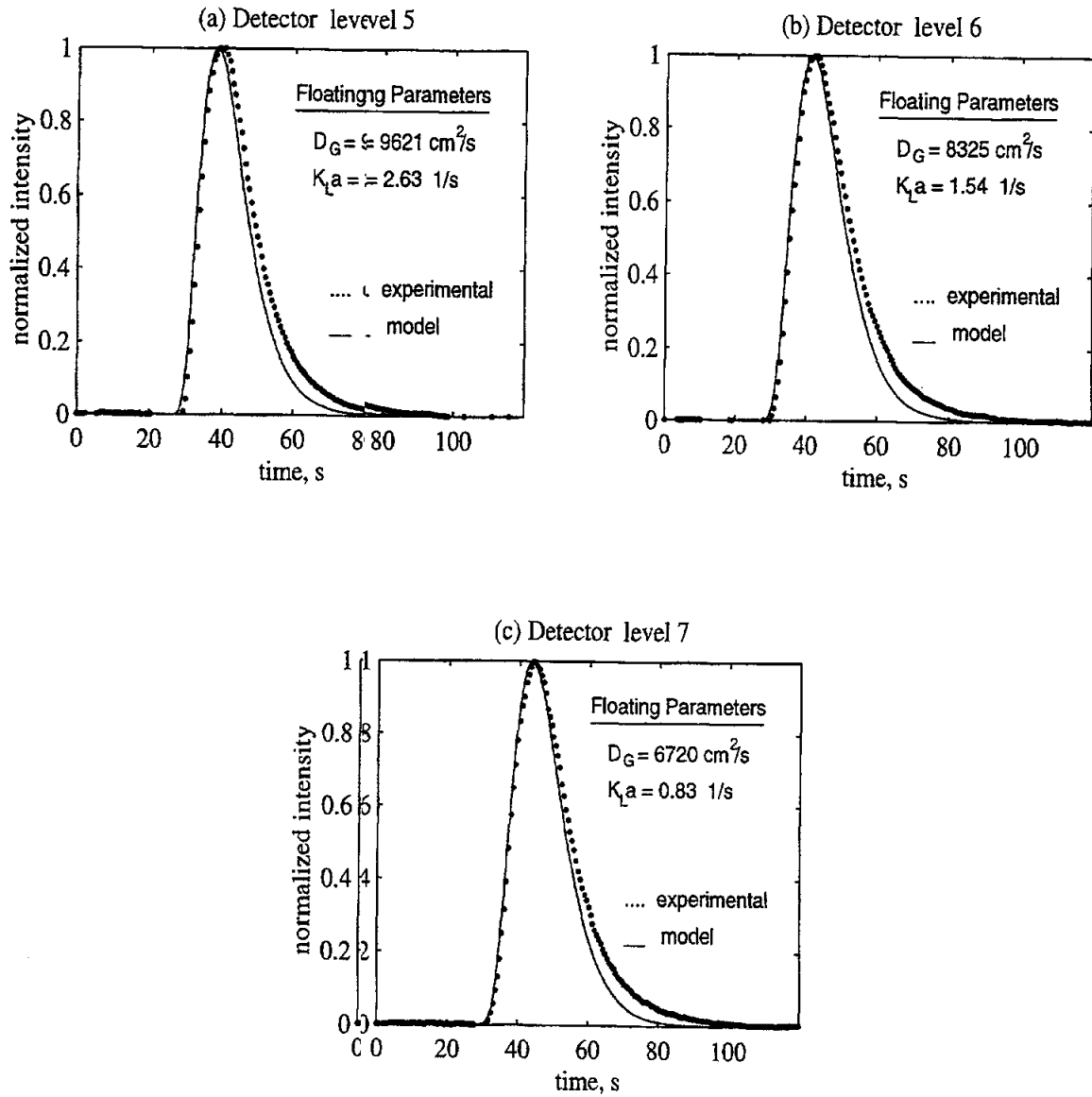


Figure A.6.15: Gas Phase I Impulse Response for Case 2b, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 24.6s

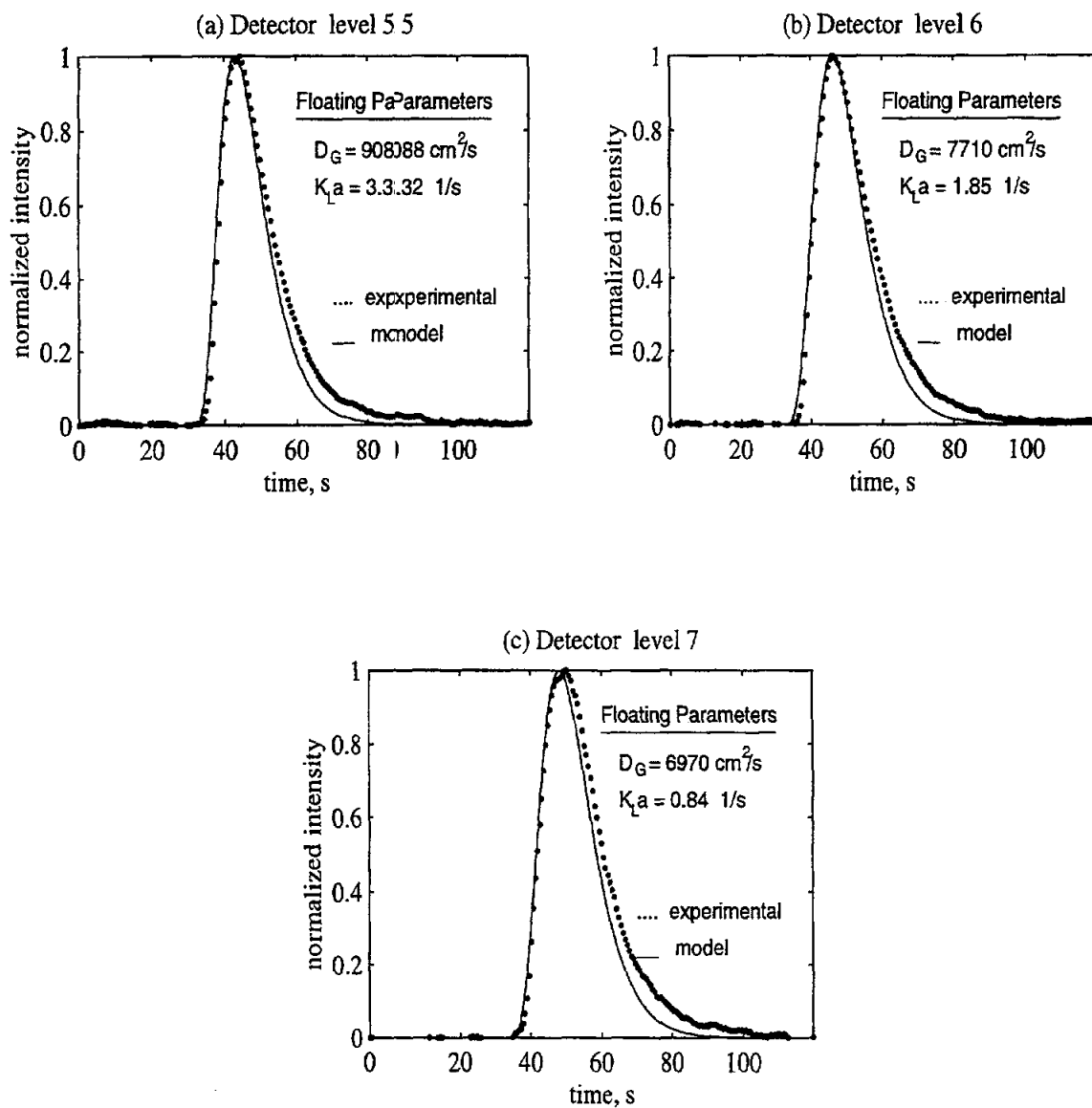


Figure A.6.16: Gas Phase Impulse Response for Case 2b, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 29.4s

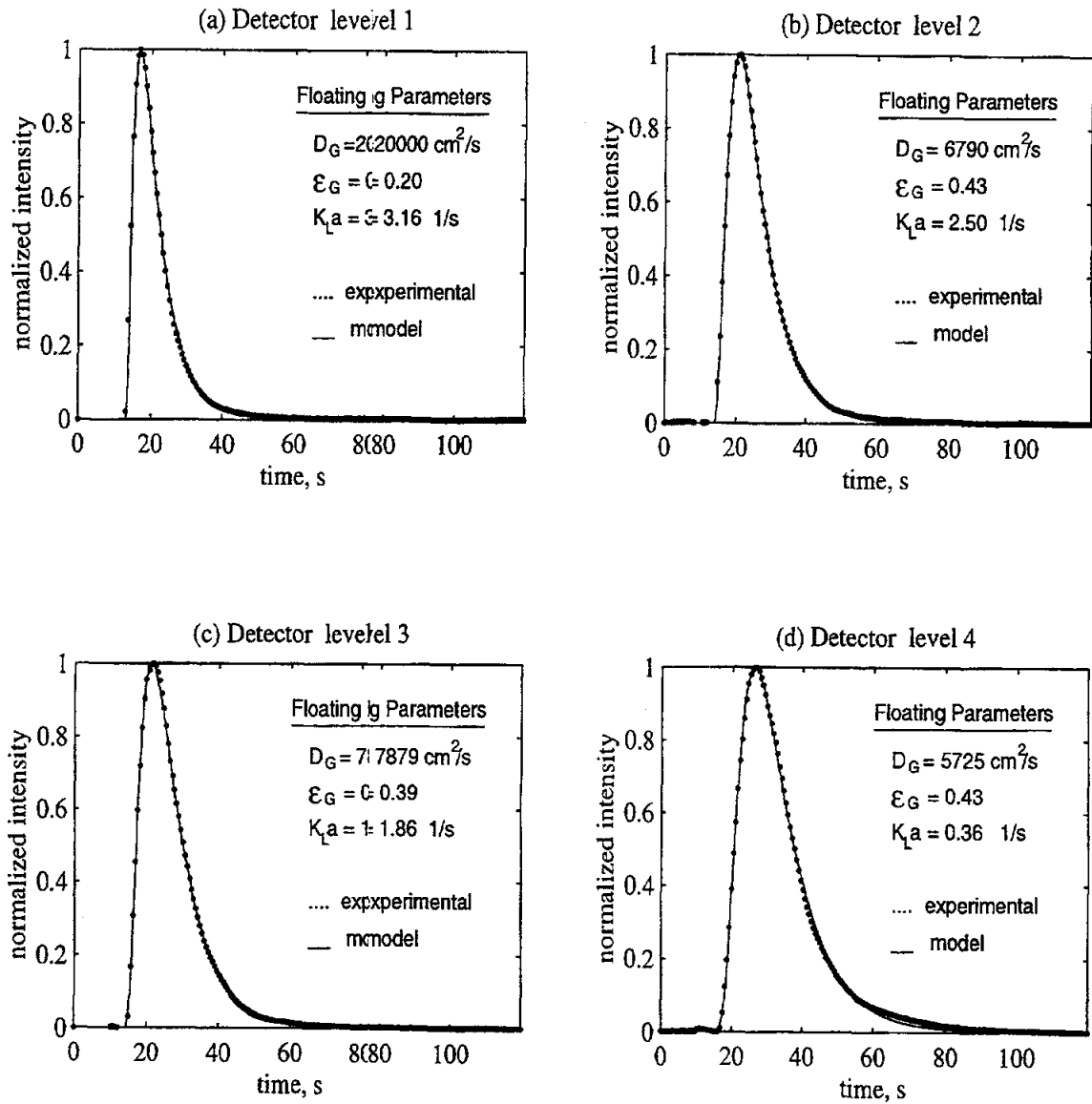


Figure A.6.17: Gas Phase I Impulse Response for Case 3, Run 14.6 - 1, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 12.6s

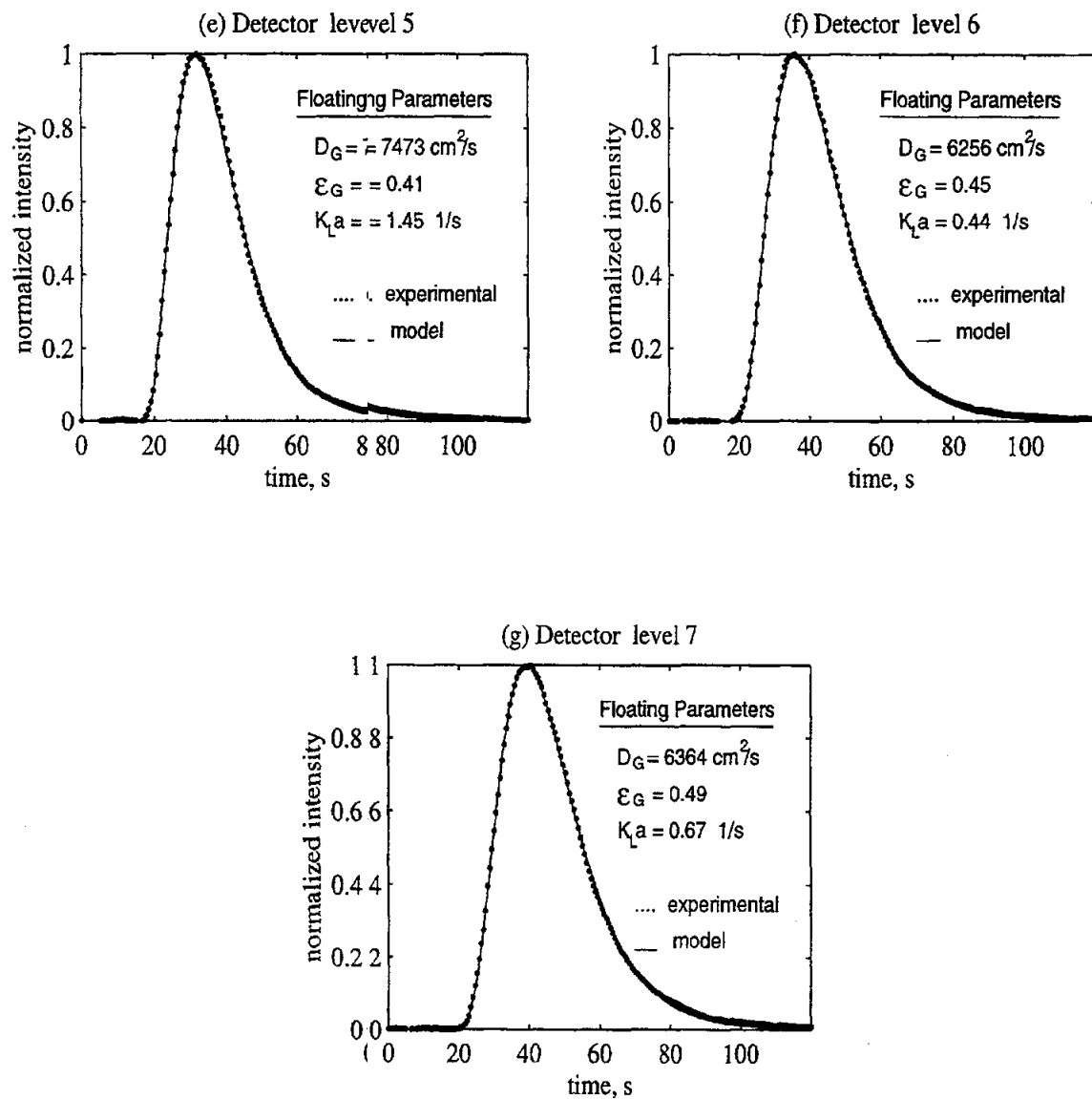


Figure A.6.17 (contd.): Gas Phase Impulse Response for Case 3, Run 14.6 - 1, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 12.6s

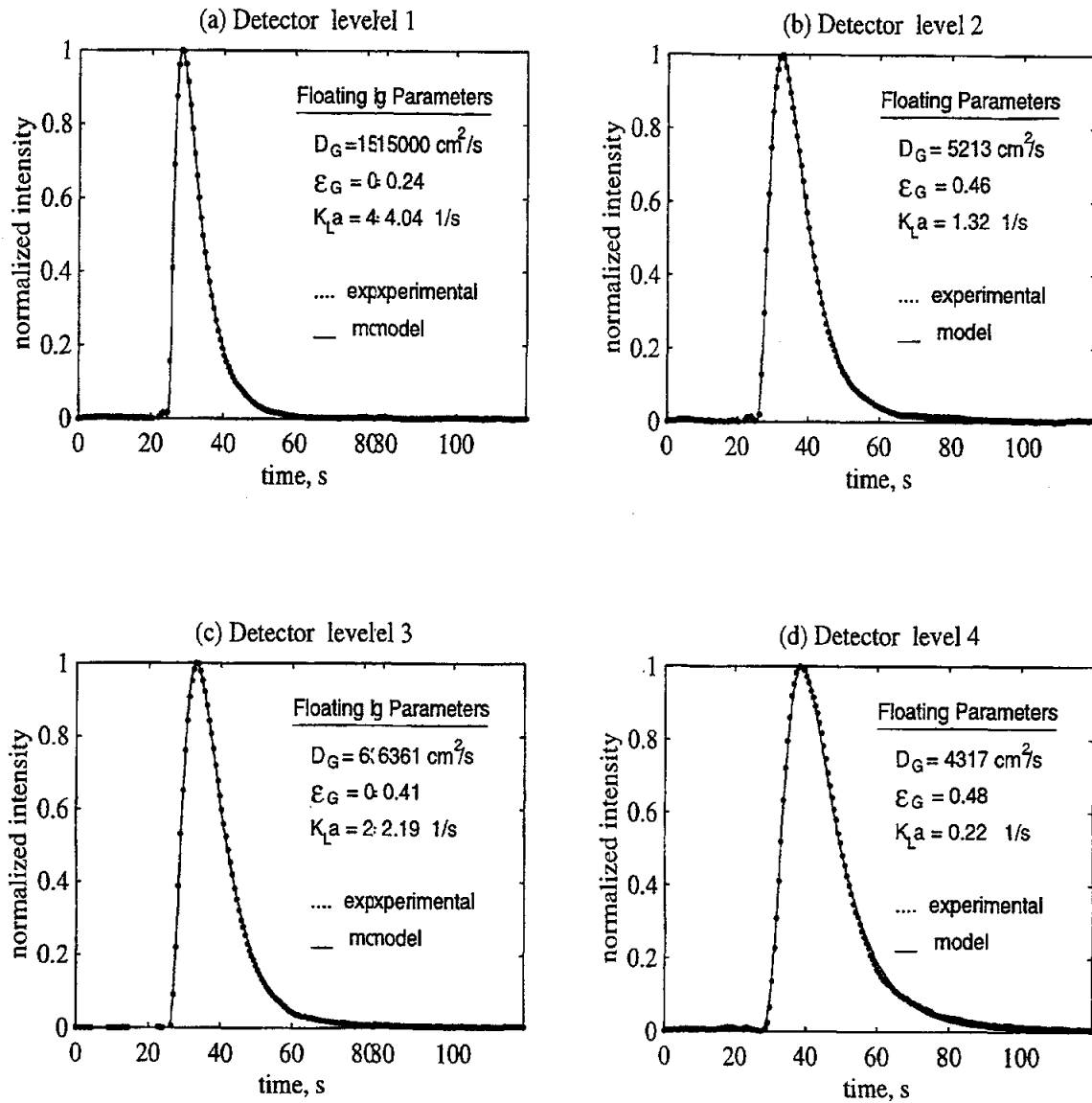


Figure A.6.18: Gas Phase I Impulse Response for Case 3, Run 14.6 - 2, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection TTime 24s