

Figure A.6.19: Gas Phase I Impulse Response for Case 3, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 45s

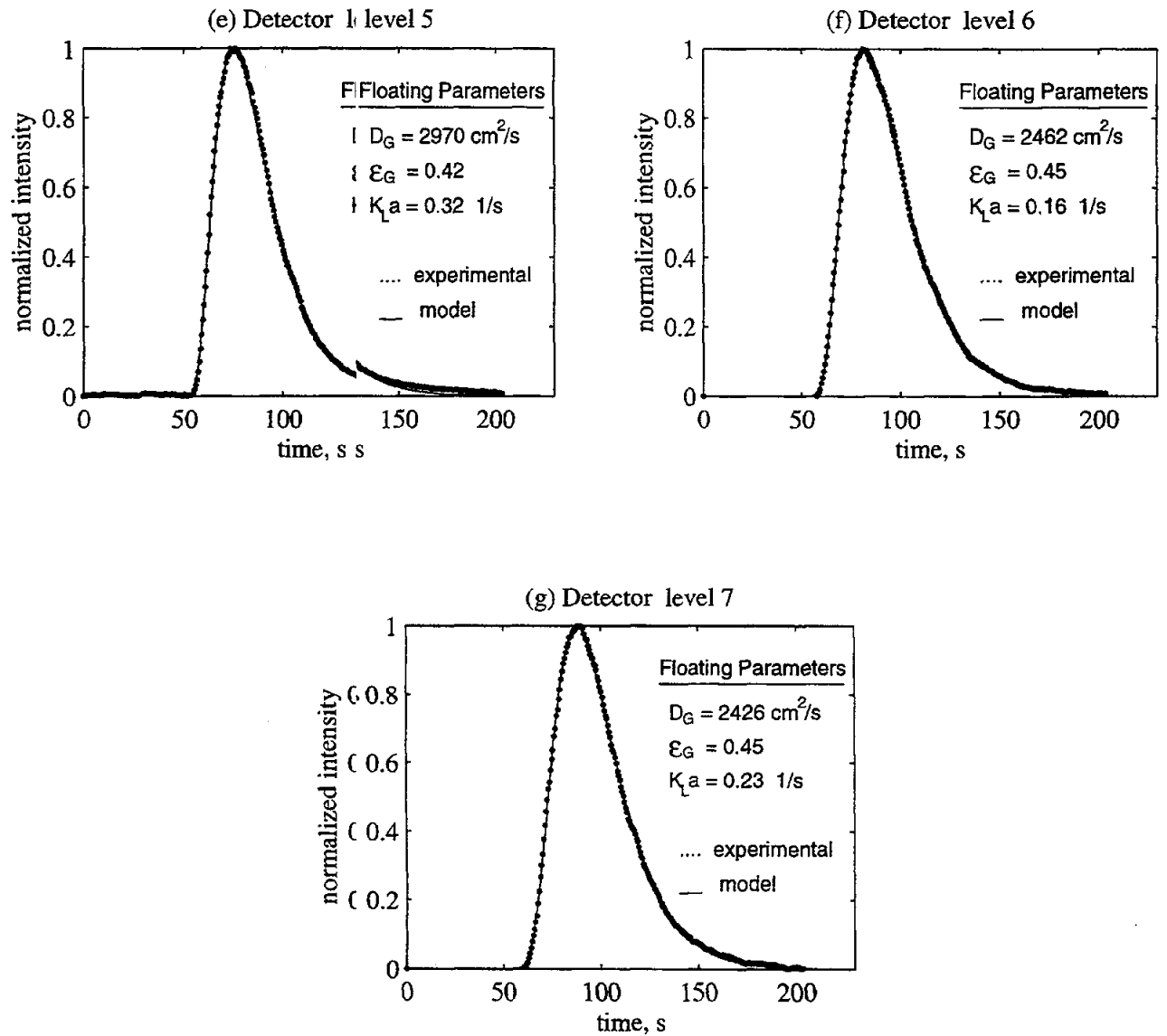


Figure A.6.19 (contd.): Gas Phase Impulse Response for Case 3, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 45s

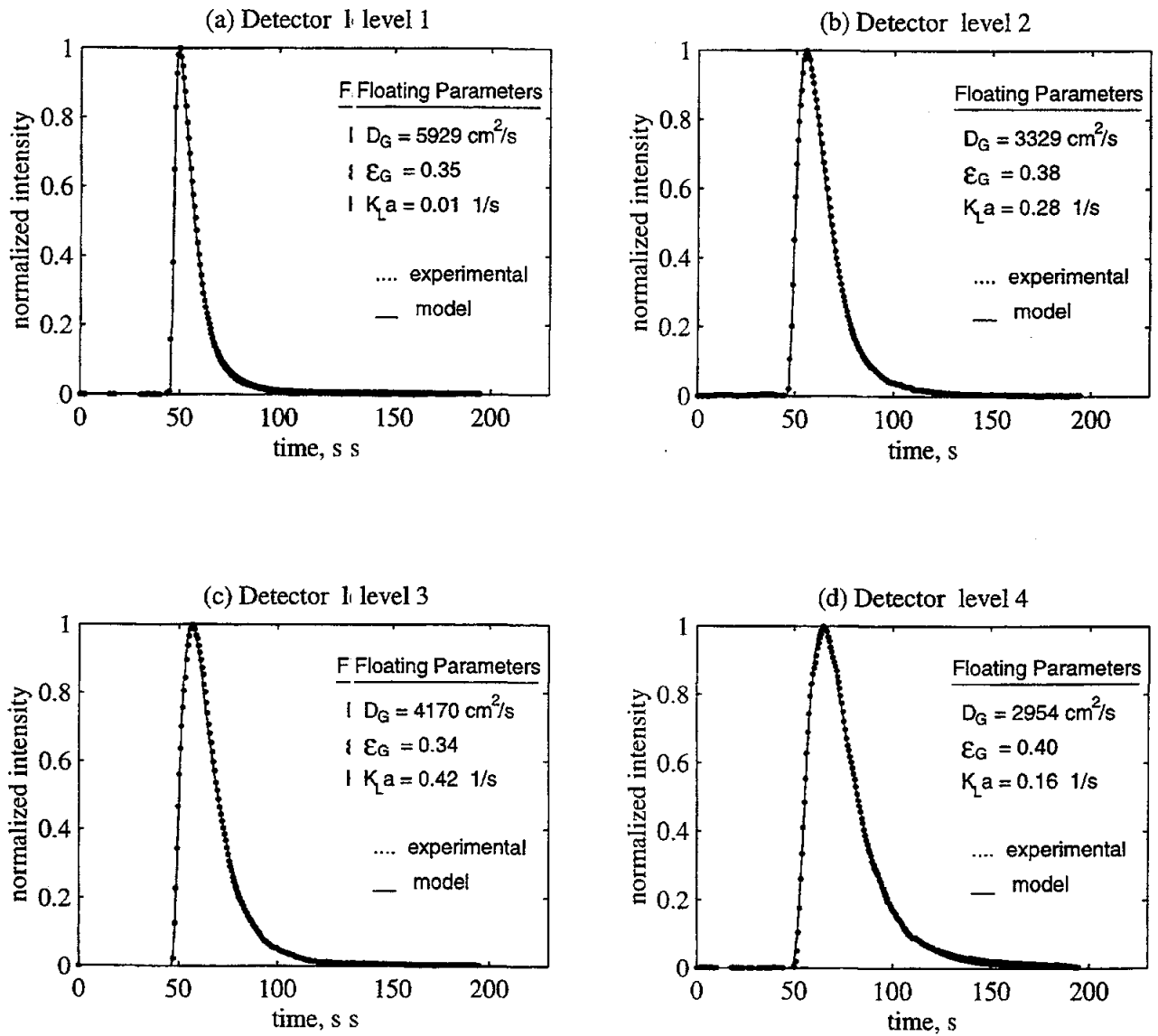


Figure A.6.20: Gas Phase I Impulse Response for Case 3, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection TTime 30.6s

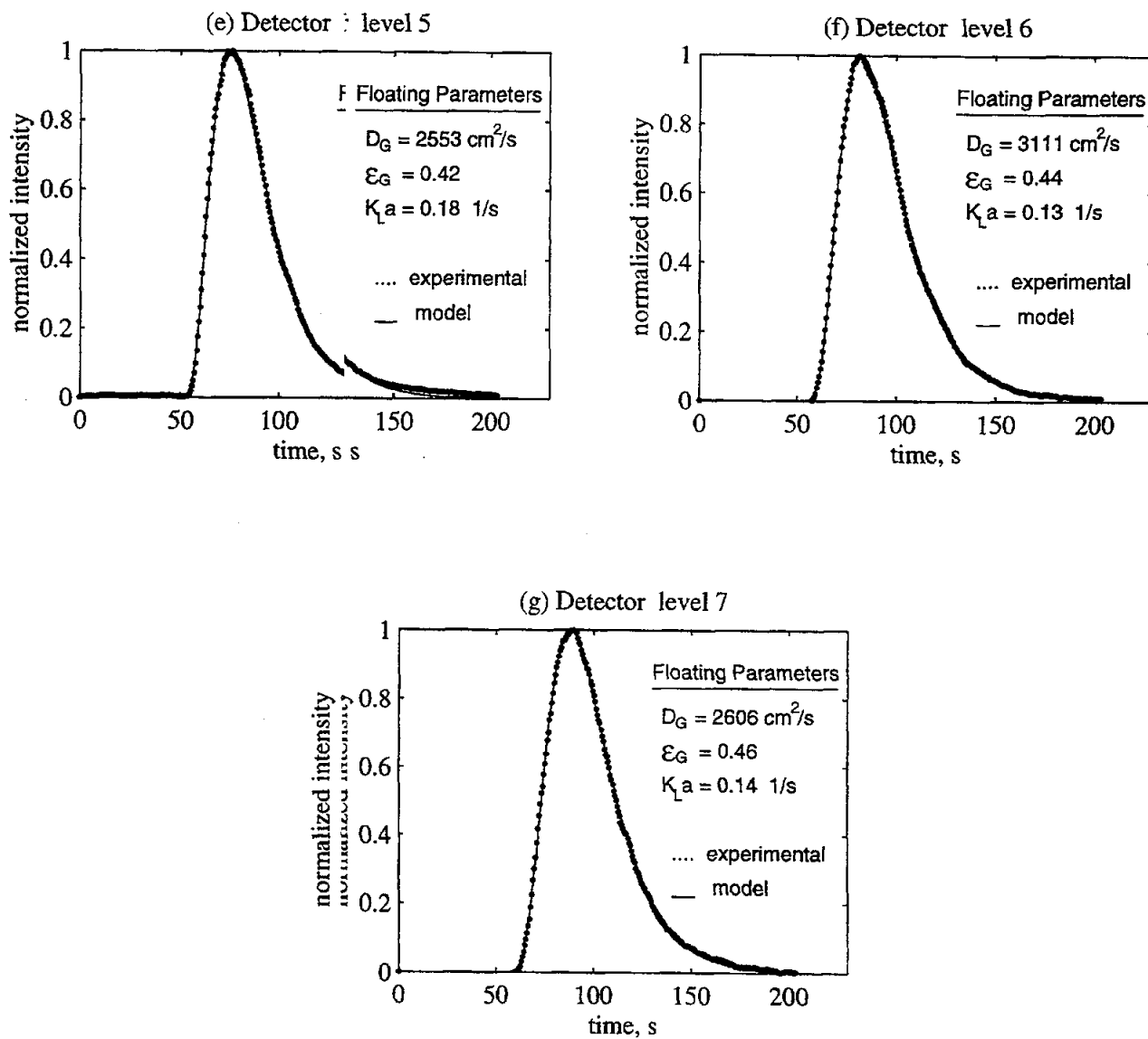


Figure A.6.20 (contd.): Gas Phase Impulse Response for Case 3, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 30.6s

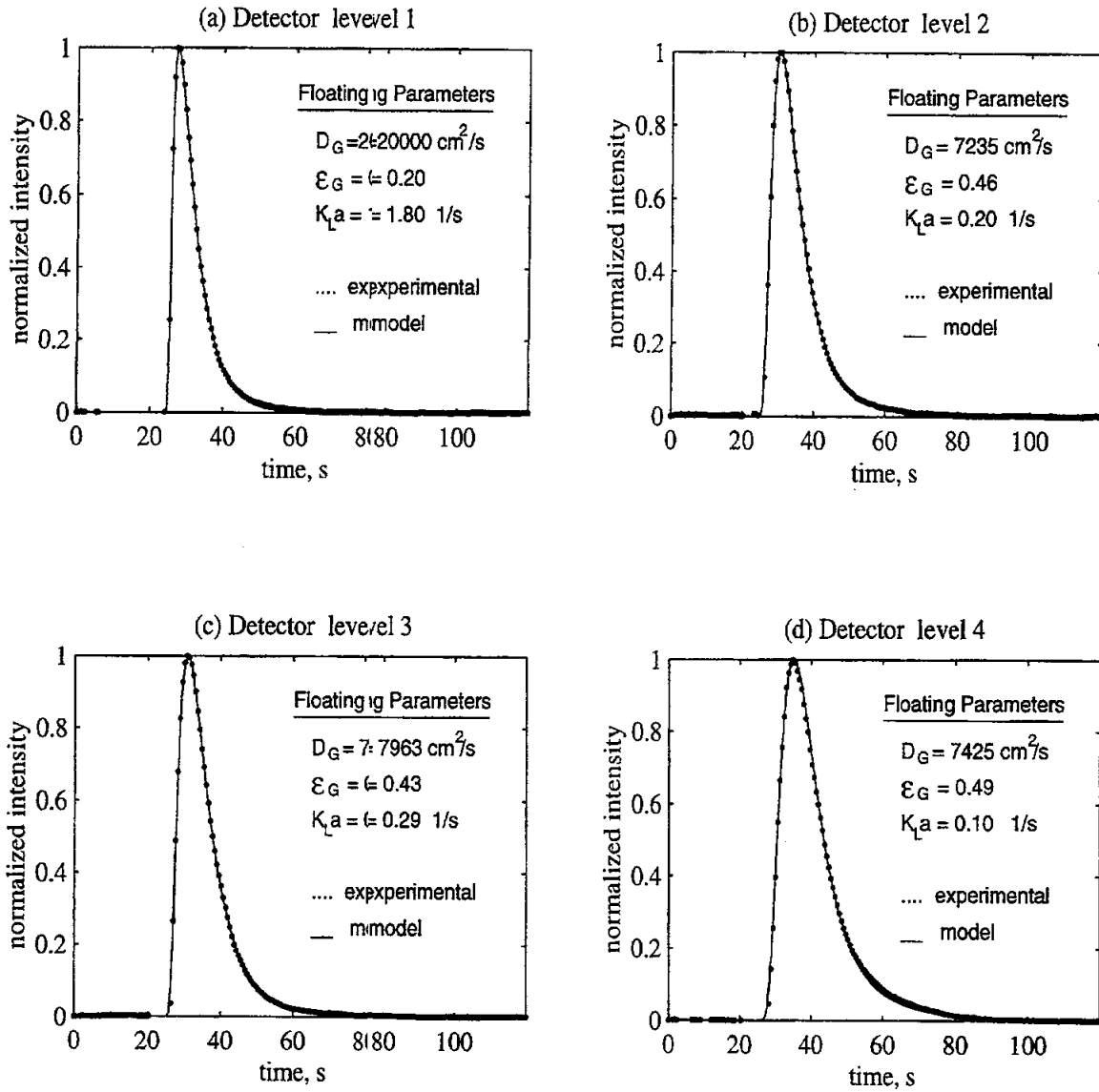


Figure A.6.21: Gas Phase I Impulse Response for Case 3, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 24s

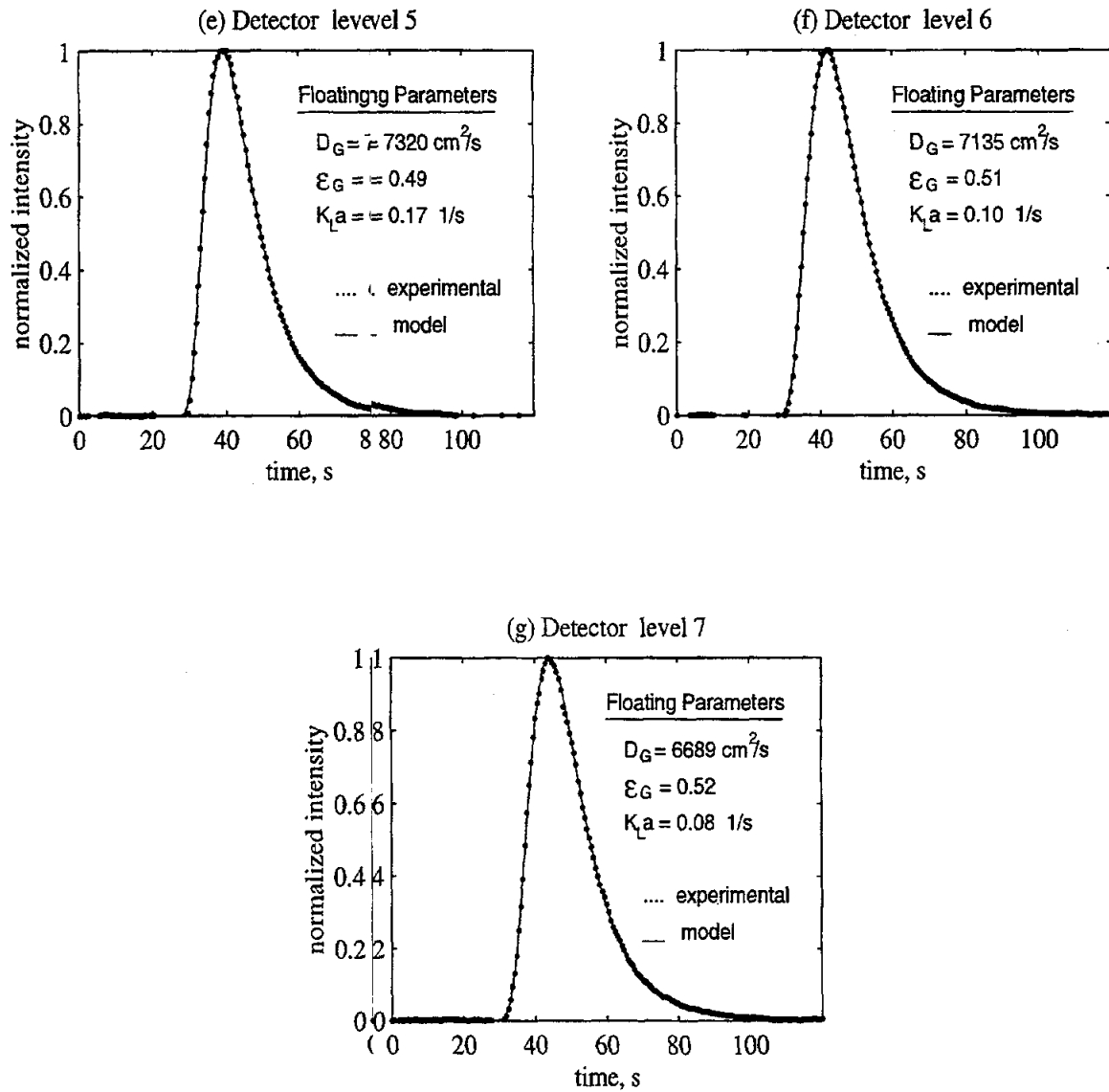


Figure A.6.21 (contd.): Gas Phase Impulse Response for Case 3, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 24s

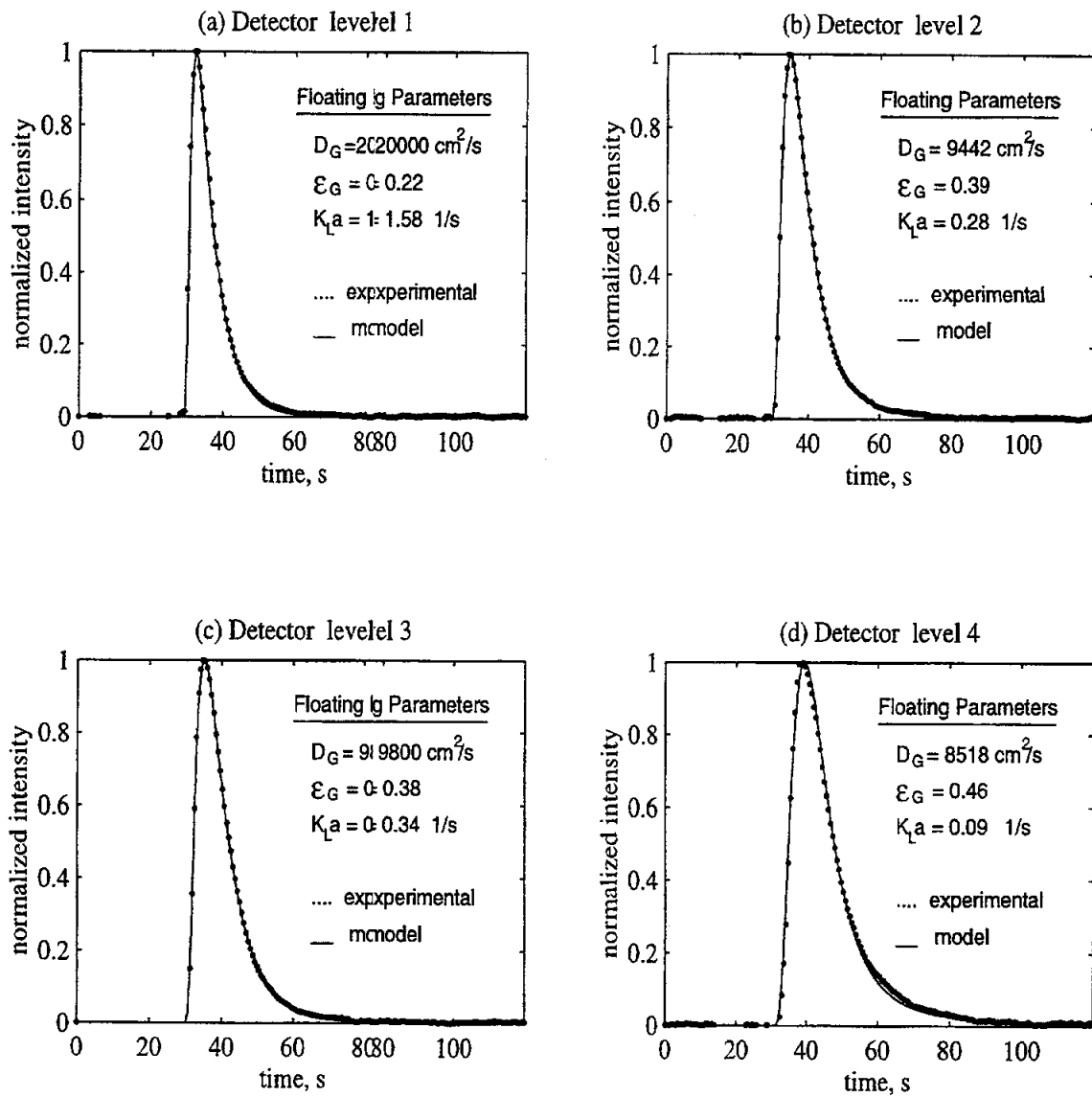


Figure A.6.22: Gas Phase I Impulse Response for Case 3, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 28.8s

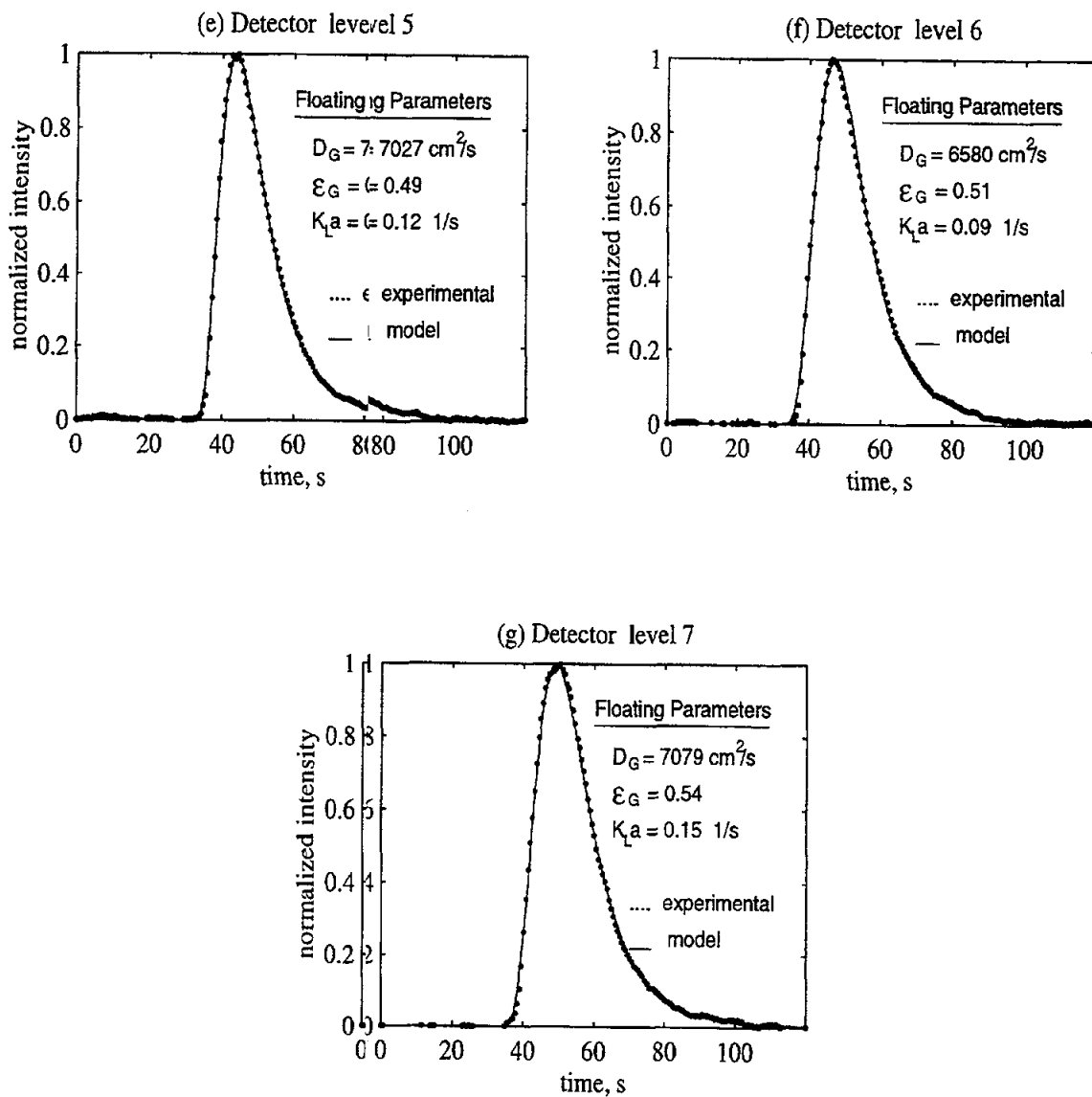


Figure A.6.22 (contd.): Gas Phase Impulse Response for Case 3, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 28.8s

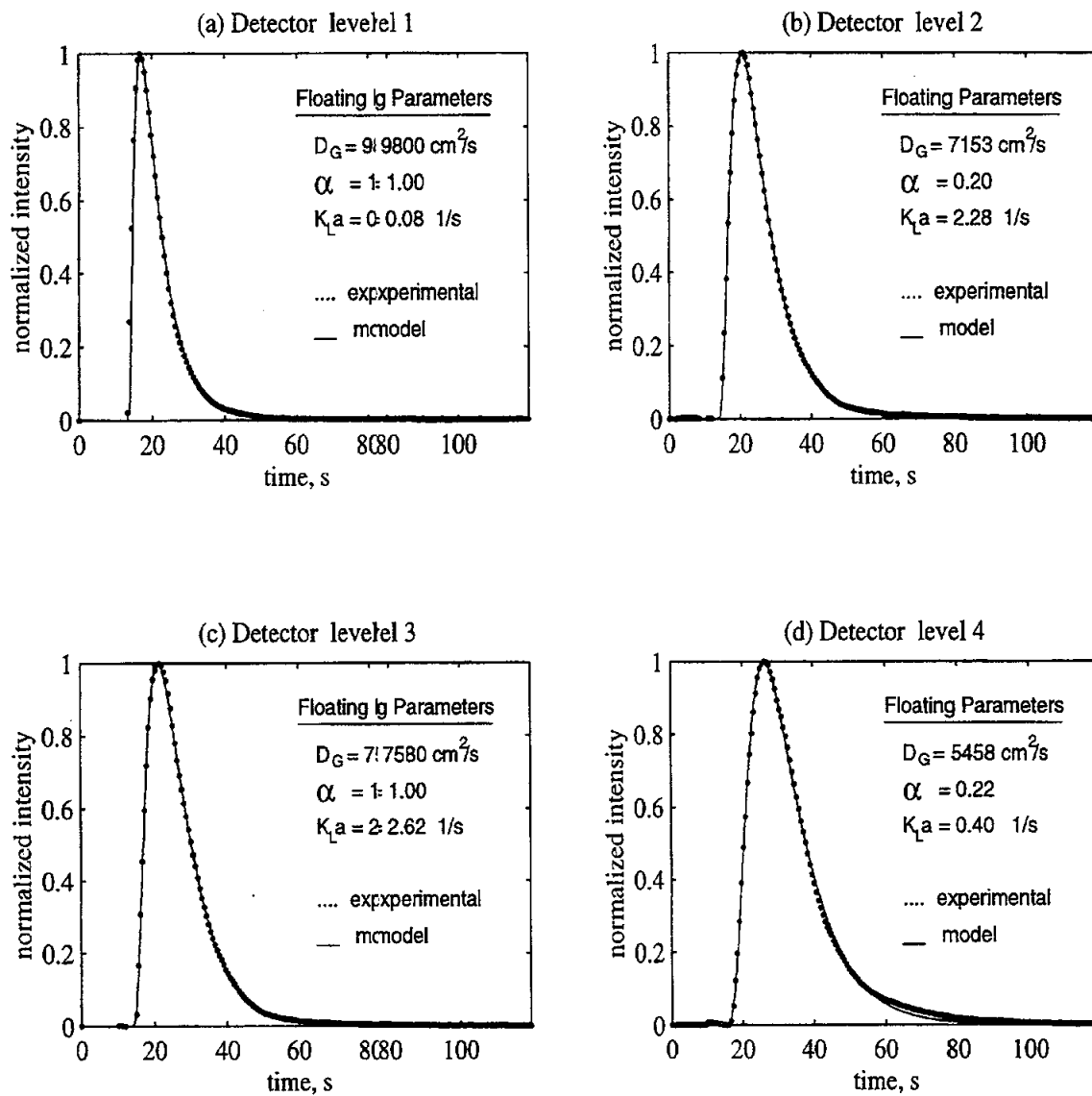


Figure A.6.23: Gas Phase I Impulse Response for Case 4, Run 14.6 - 1, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection TTime 12.6s

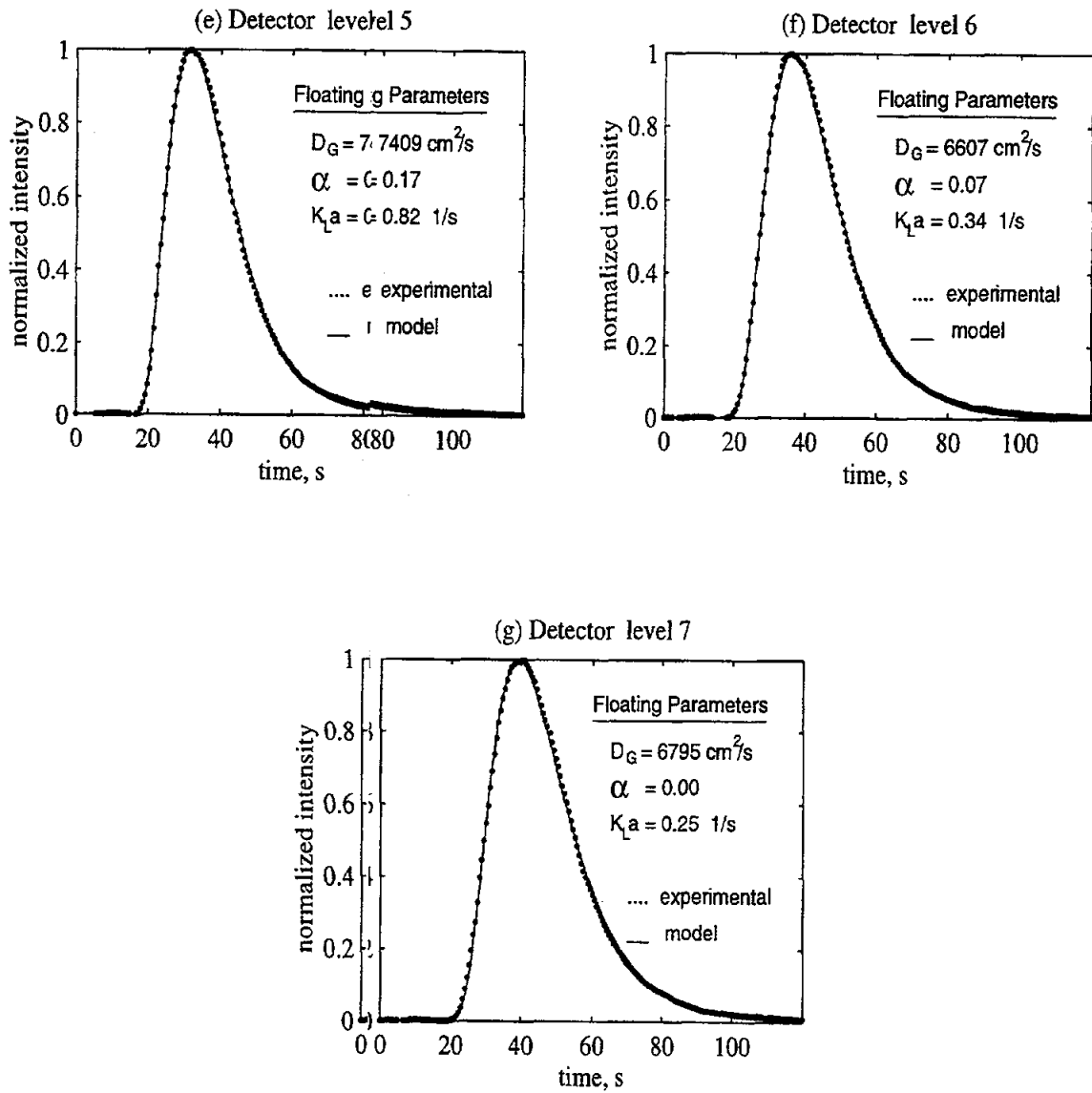


Figure A.6.23 (contd.): Gas Phase Impulse Response for Case 4, Run 14.6 - 1, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 12.6s

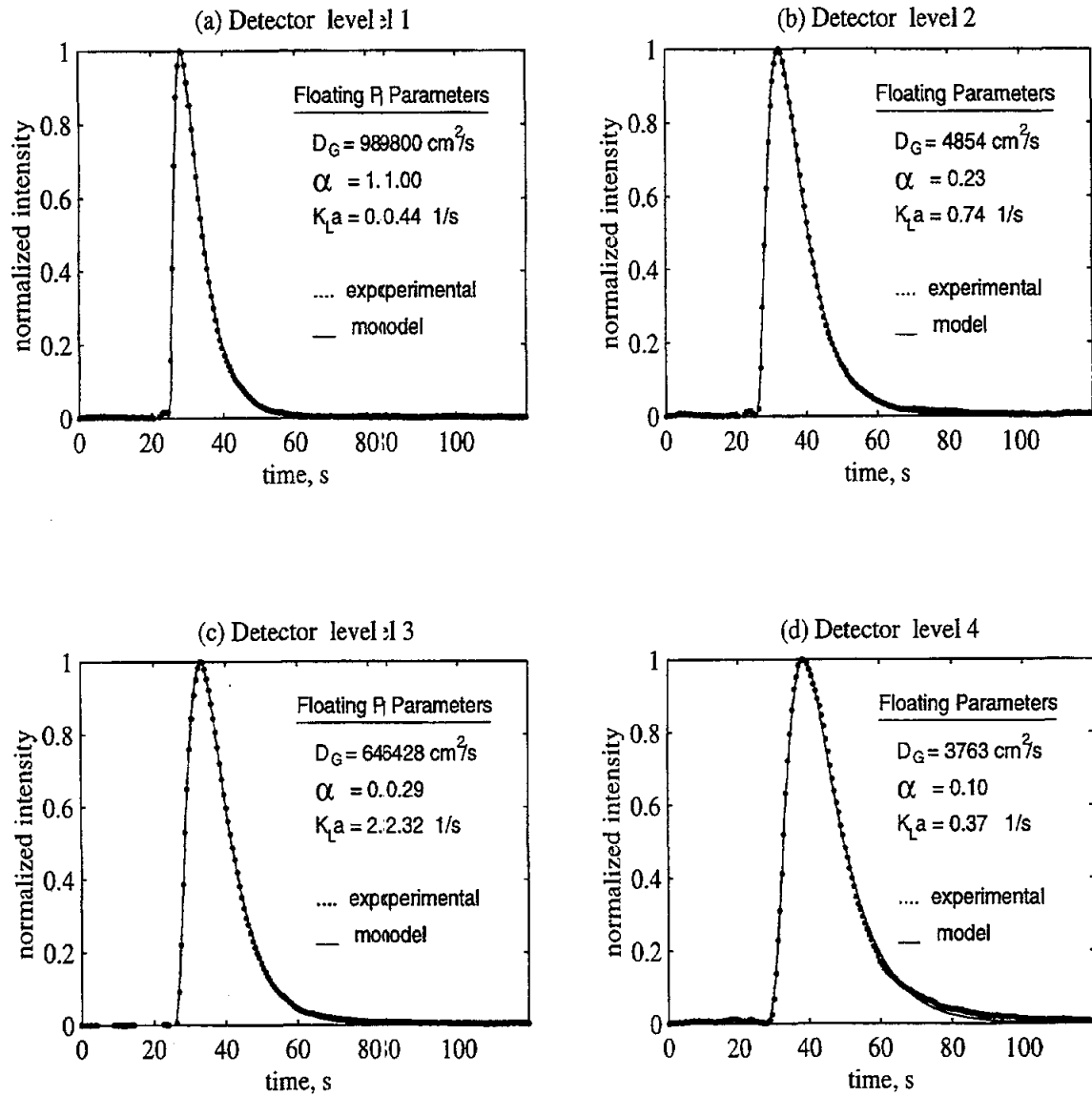


Figure A.6.24: Gas Phase Impulse Response for Case 4, Run 14.6 - 2, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 24s

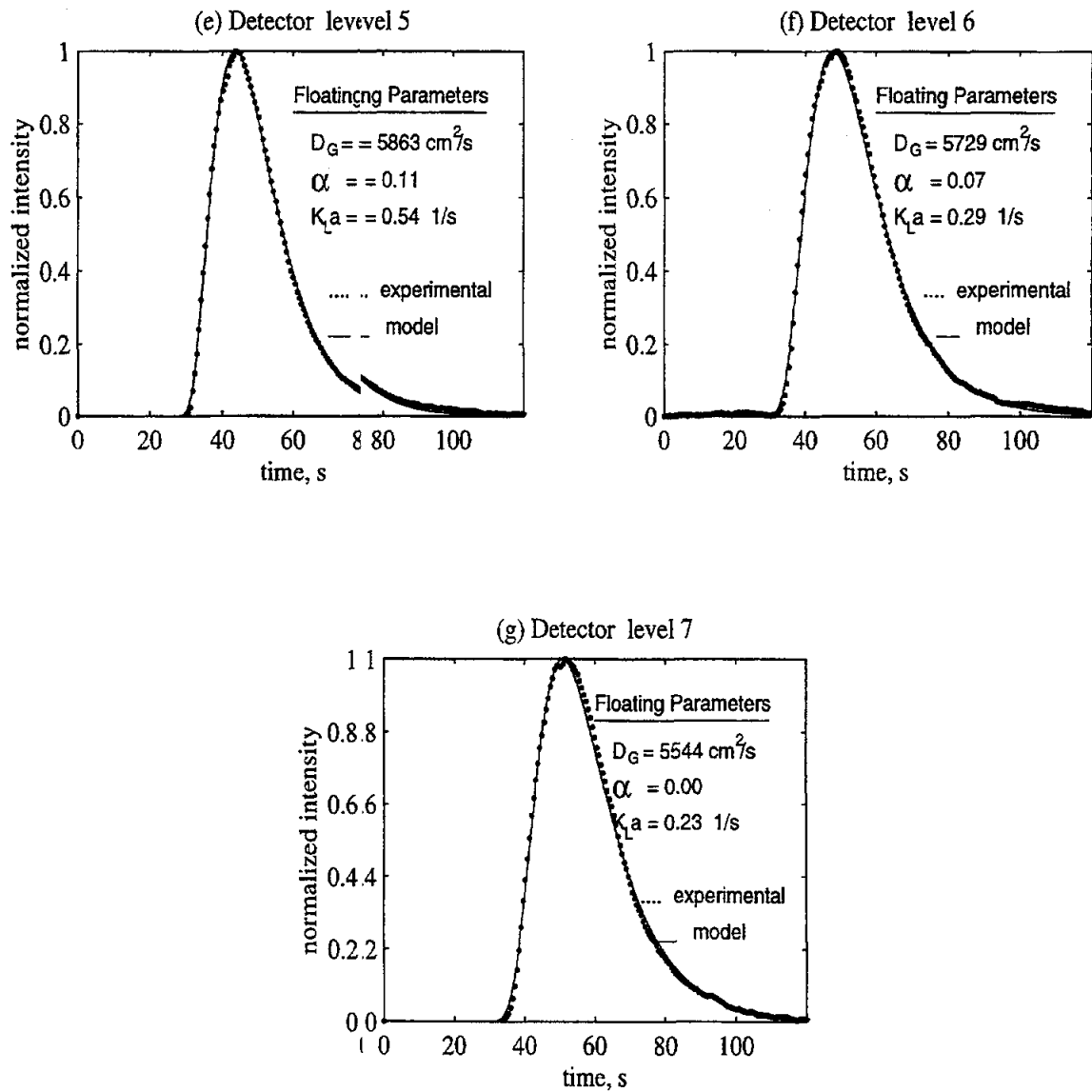


Figure A.6.24 (contd.): Gas Phase Impulse Response for Case 4, Run 14.6 - 2, (5.2 MPa, $U_G = 25 \text{ cm/s}$), Injection Time 24s

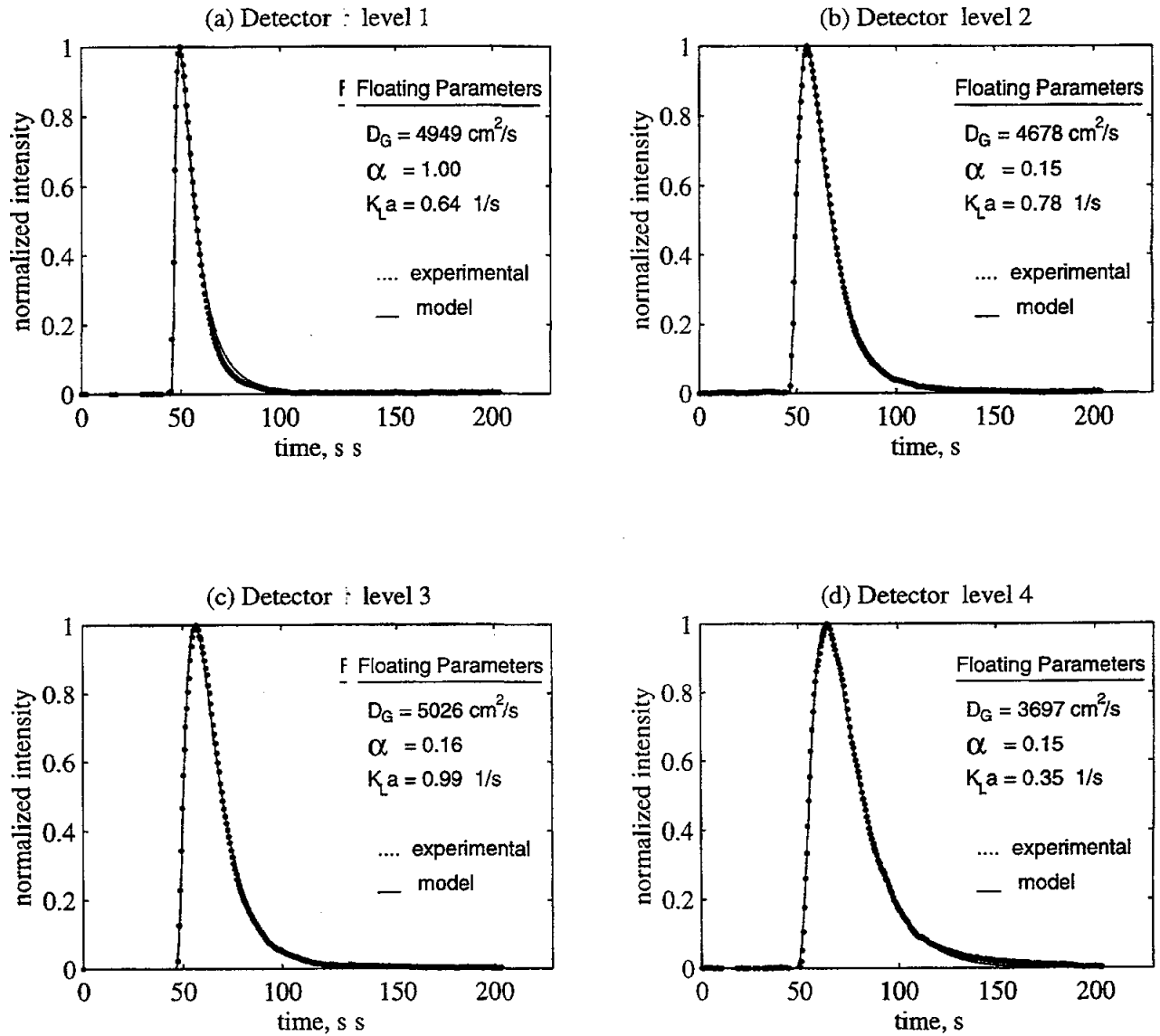


Figure A.6.25: Gas Phase Impulse Response for Case 4, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 45s

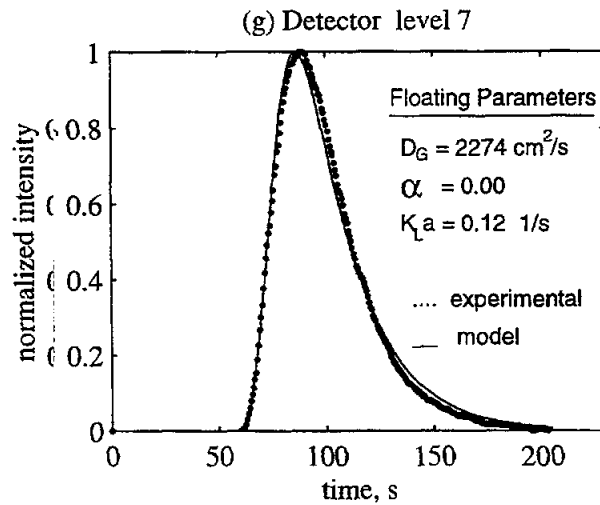
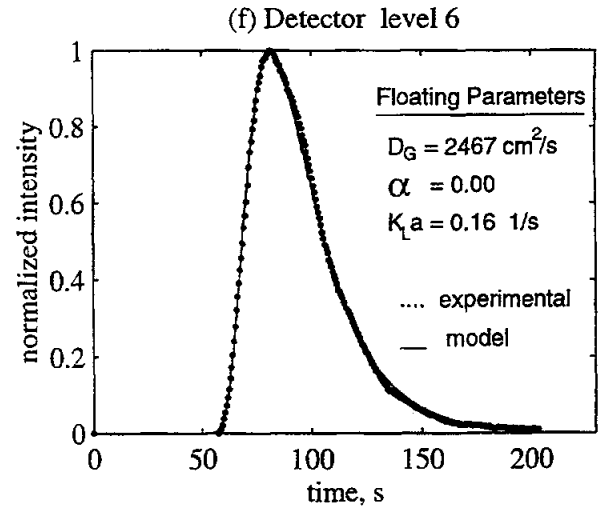
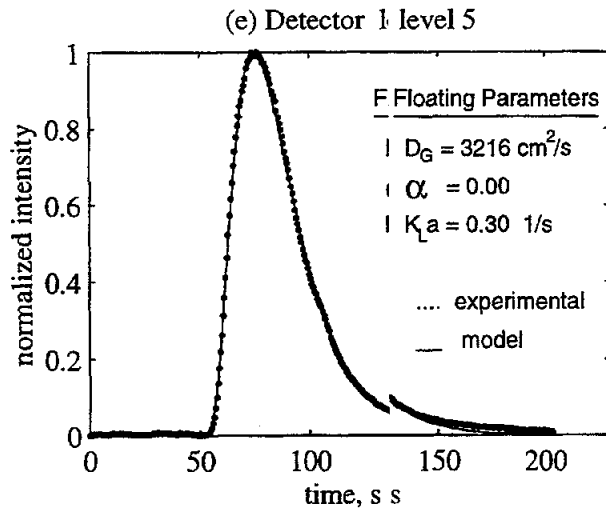


Figure A.6.25 (contd.): Gas s Phase Impulse Response for Case 4, Run 14.7 - 3, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 45s

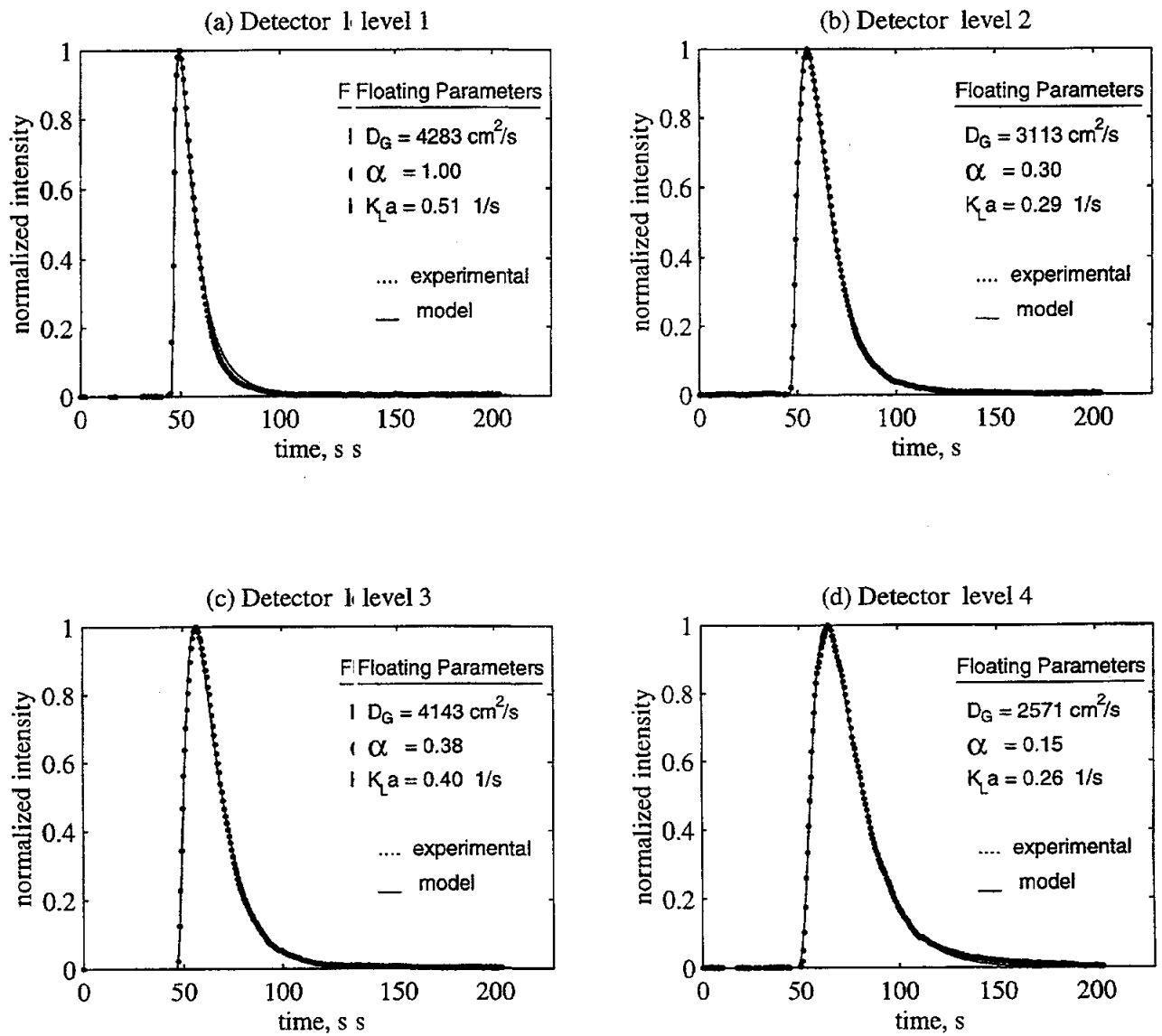


Figure A.6.26: Gas Phase I Impulse Response for Case 4, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection TTime 30.6s

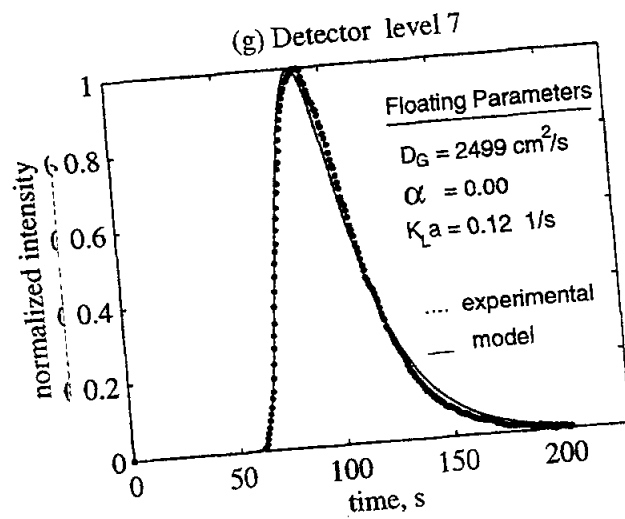
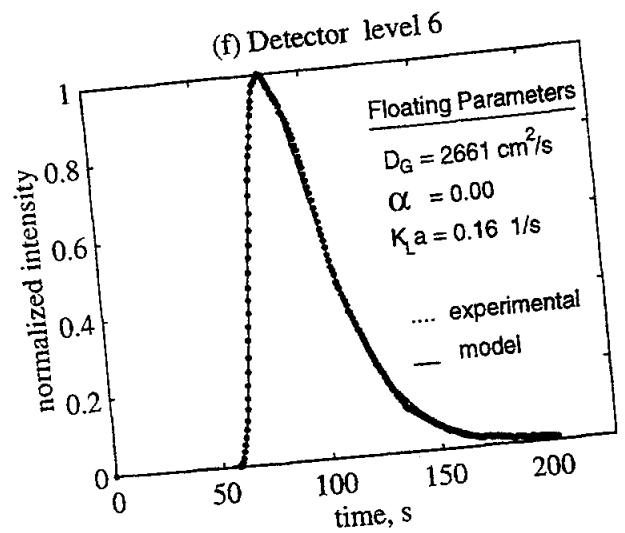
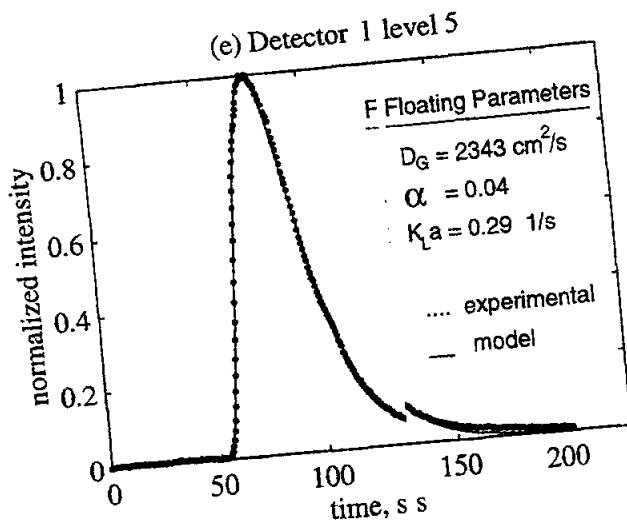


Figure A.6.26 (contd.): Gas s Phase Impulse Response for Case 4, Run 14.7 - 4, (5.2 MPa, $U_G = 14 \text{ cm/s}$), Injection Time 30.6s

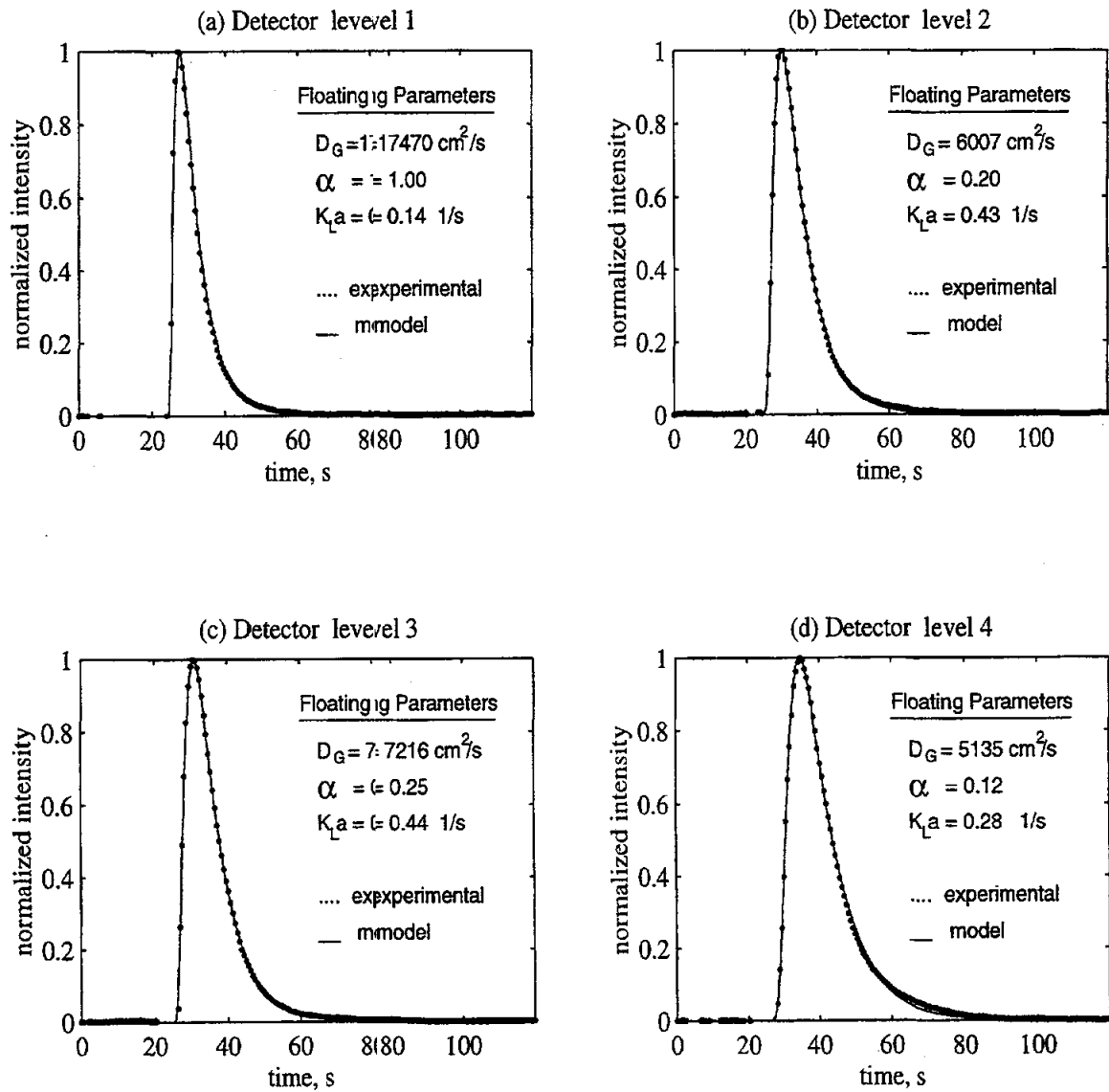


Figure A.6.27: Gas Phase I Impulse Response for Case 4, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection TTime 24s

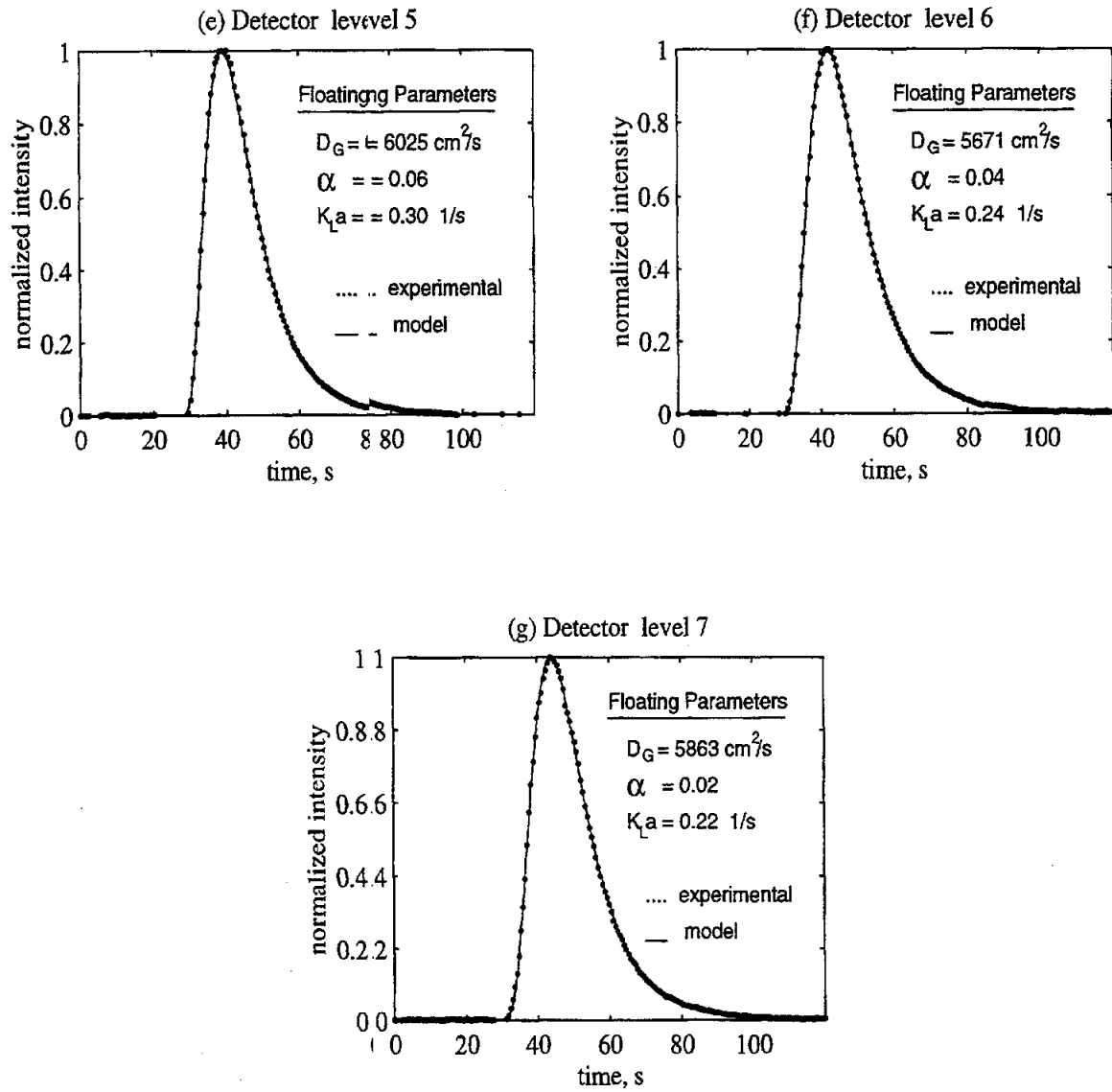


Figure A.6.27 (contd.): Gas Phase Impulse Response for Case 4, Run 14.8 - 5, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 24s

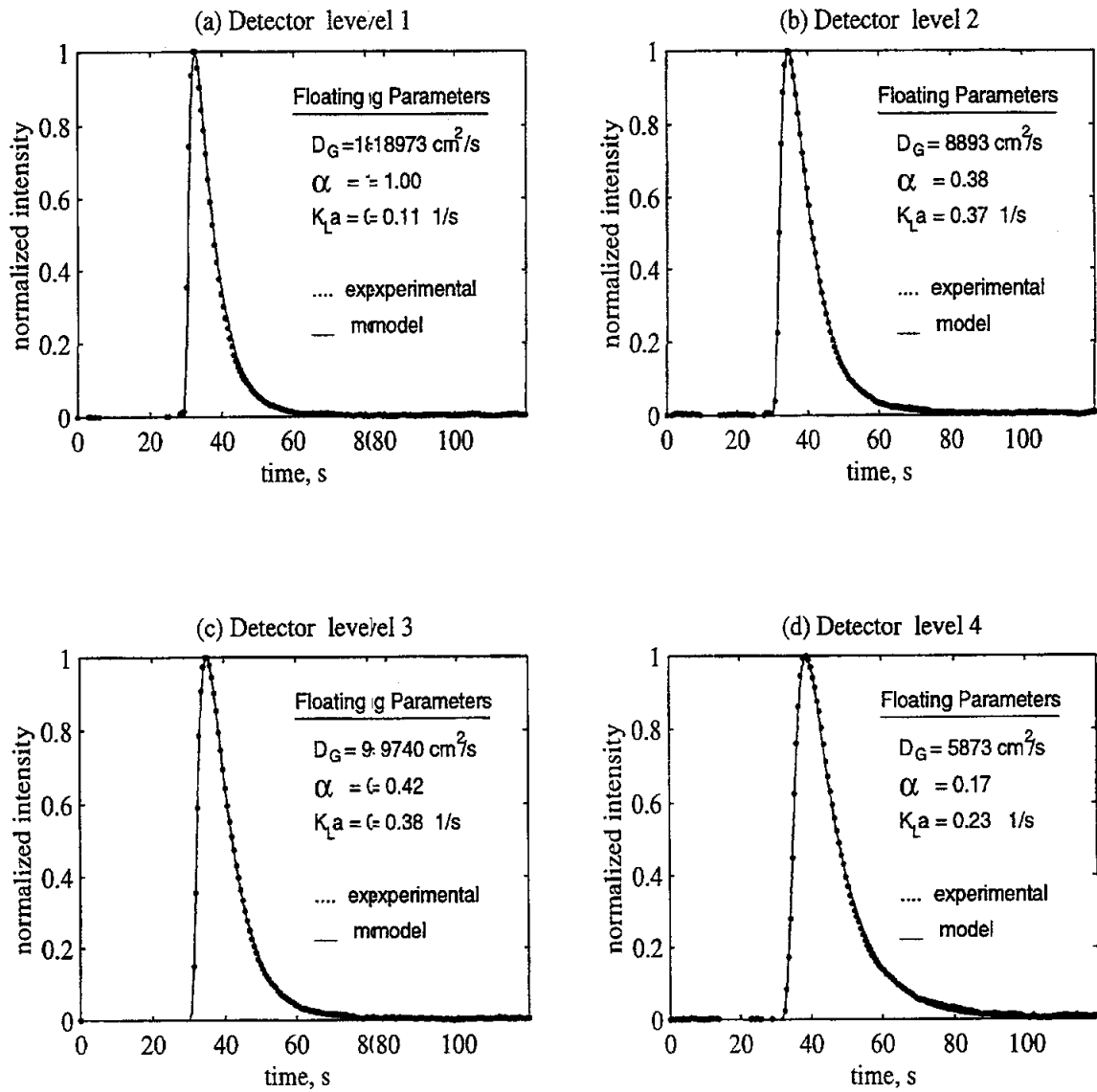


Figure A.6.28: Gas Phase I Impulse Response for Case 4, Run 14.8 - 6, (3.6 MPa, $U_G = 36 \text{ cm/s}$), Injection Time 28.8s