

APPENDIX - A: PRESSURE CONTOURS

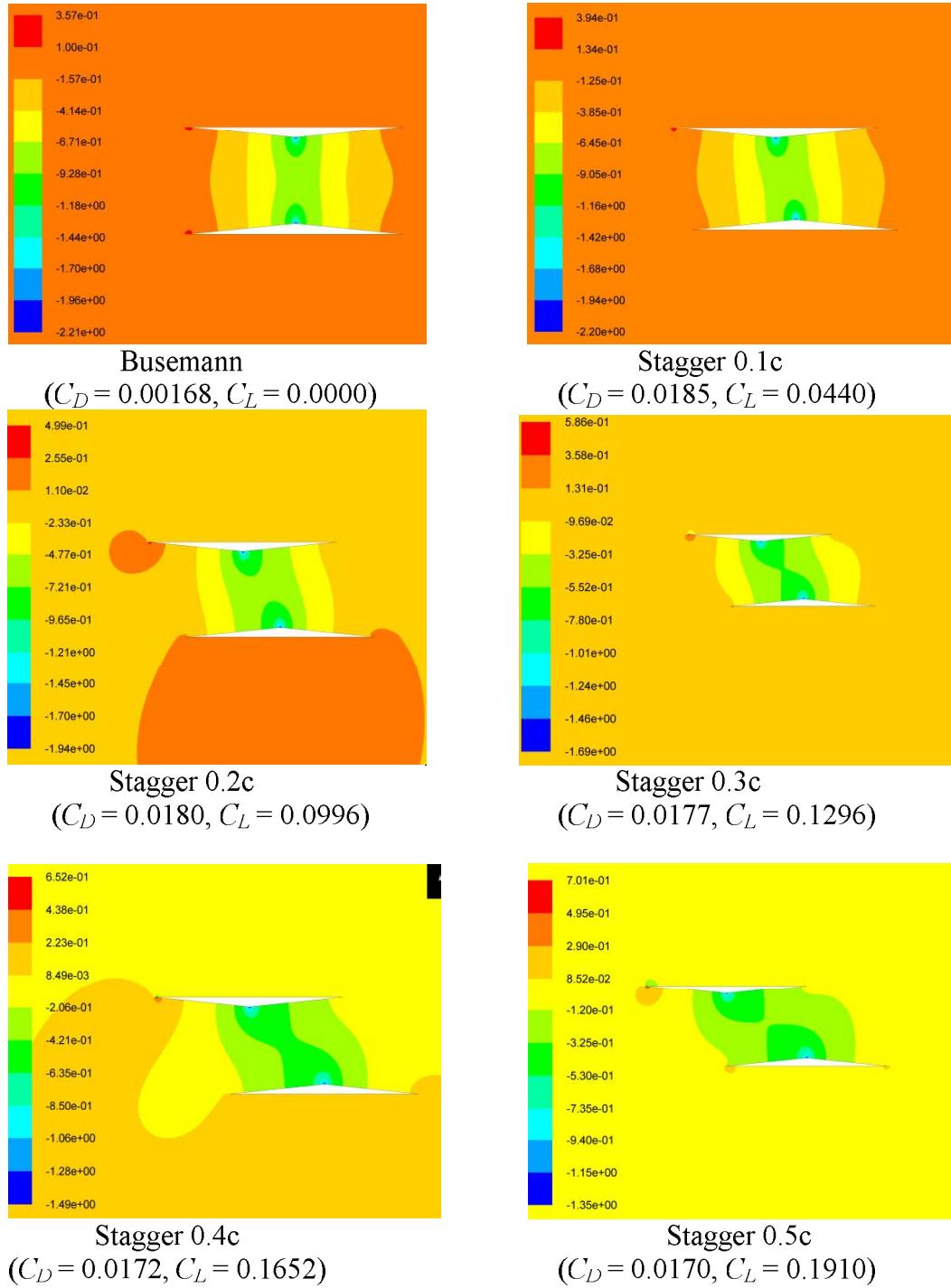


Figure A.1 C_p Variation for different Stagger distances at $M_\infty = 0.5$, $\alpha = 0^\circ$.

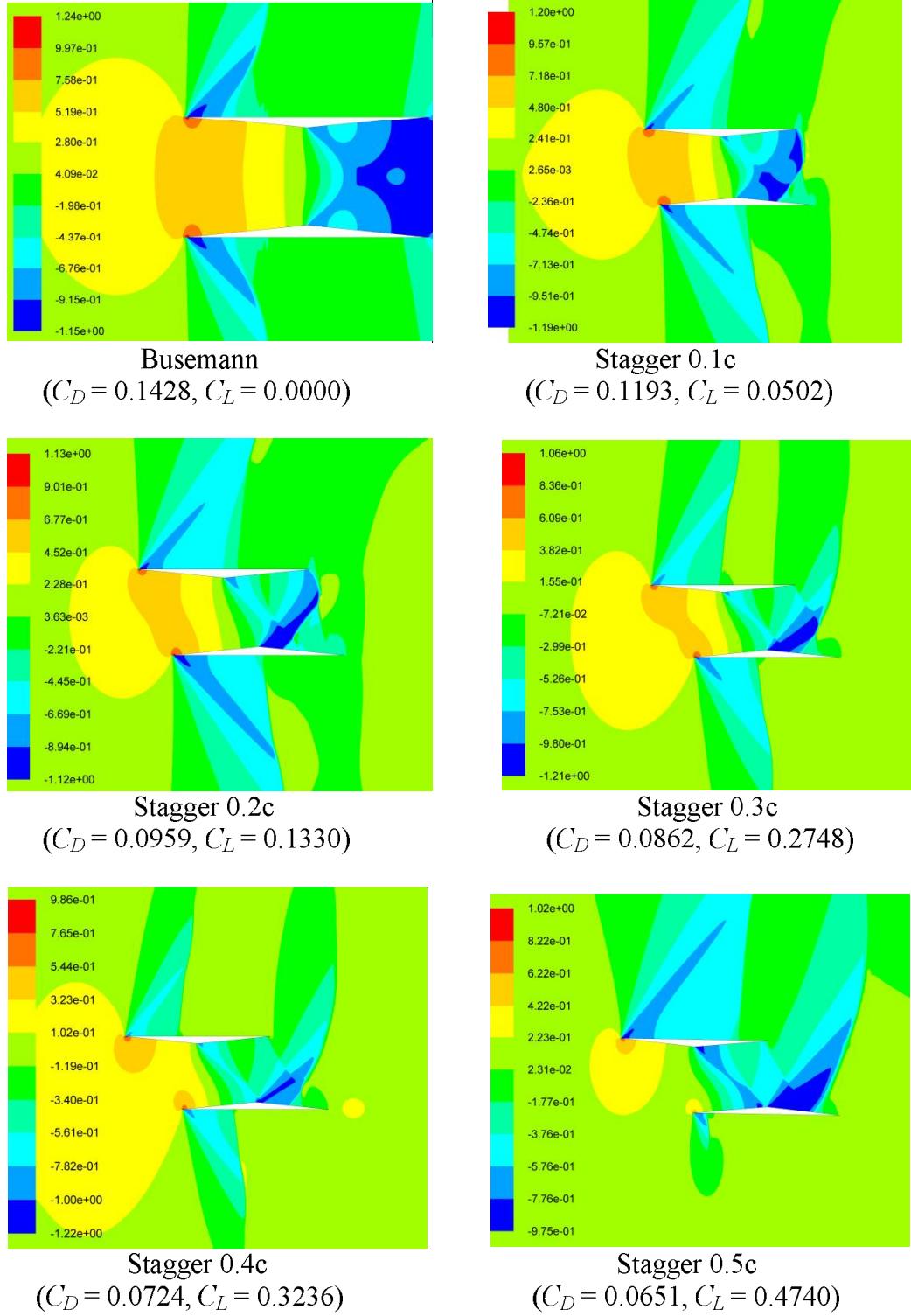
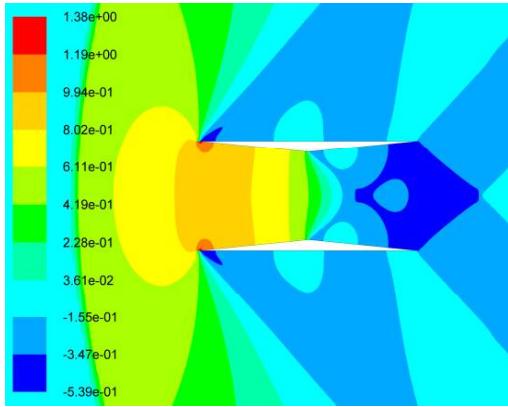
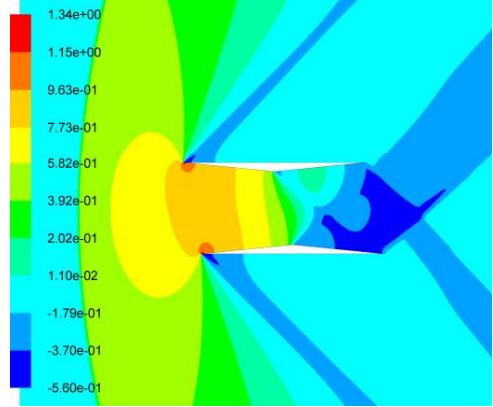


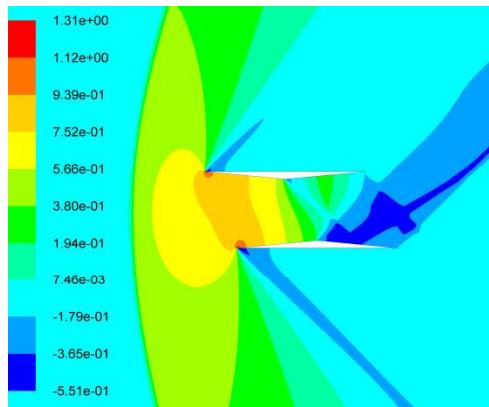
Figure A.2 C_p Variation for different Stagger distances at $M_\infty = 0.9$, $\alpha = 0^\circ$



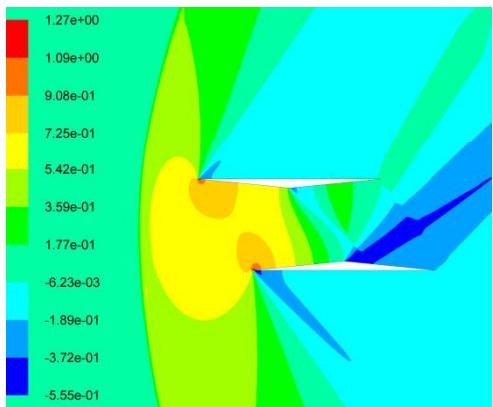
Busemann
($C_D = 0.1122, C_L = 0.0000$)



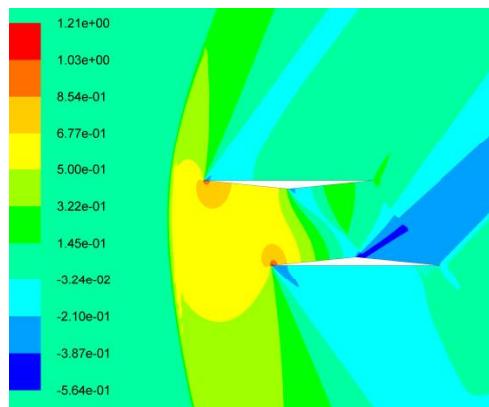
Stagger 0.1c
($C_D = 0.1069, C_L = 0.1365$)



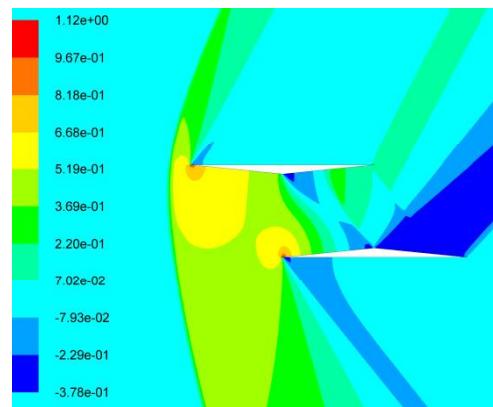
Stagger 0.2c
($C_D = 0.0950, C_L = 0.2250$)



Stagger 0.3c
($C_D = 0.0838, C_L = 0.2715$)



Stagger 0.4c
($C_D = 0.0727, C_L = 0.2980$)



Stagger 0.5c
($C_D = 0.0607, C_L = 0.3010$)

Figure A.3 C_p Variation for different Stagger distances at $M_\infty = 1.2, \alpha = 0^\circ$.

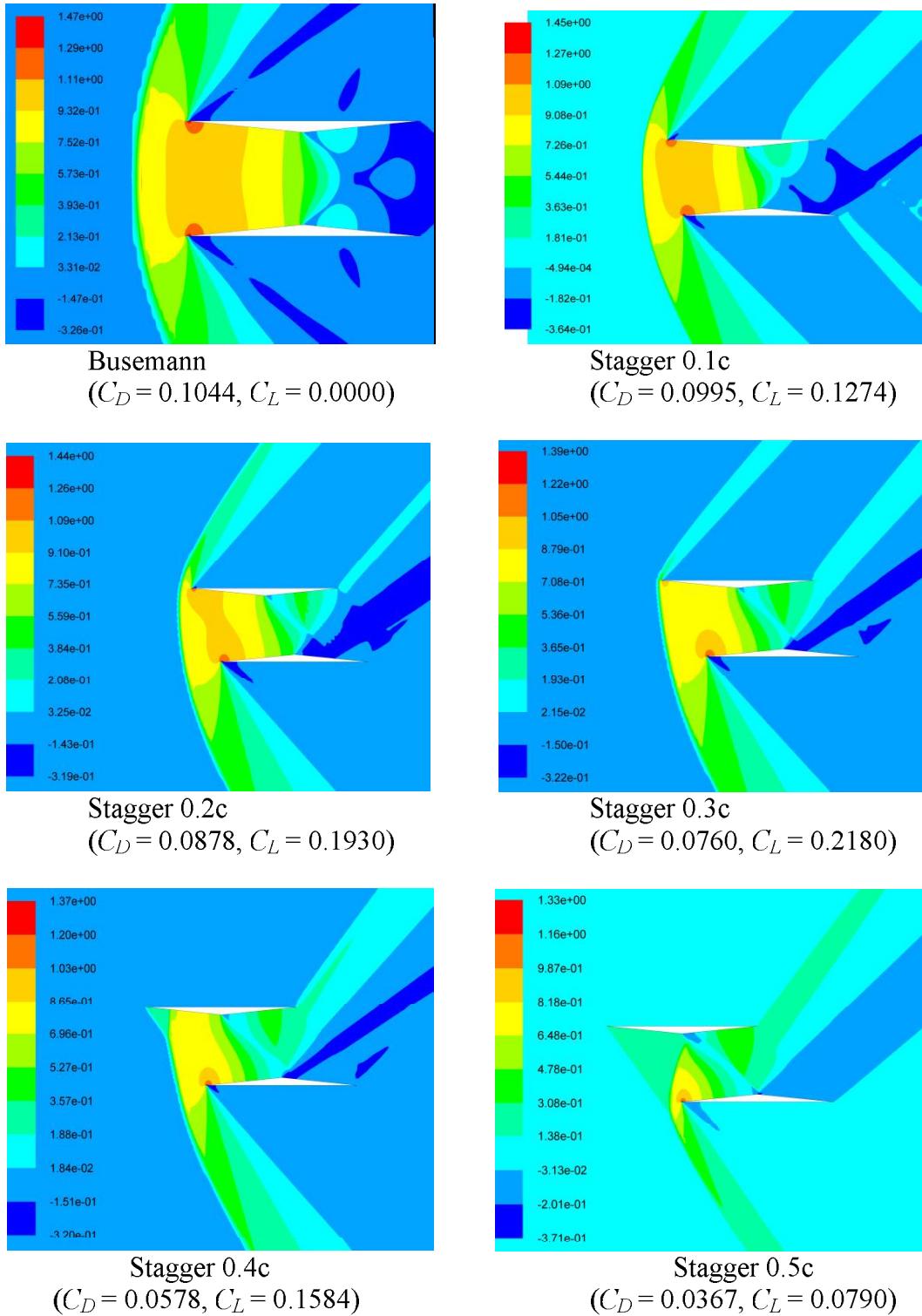
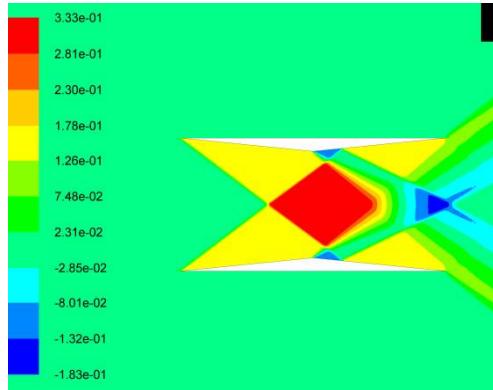
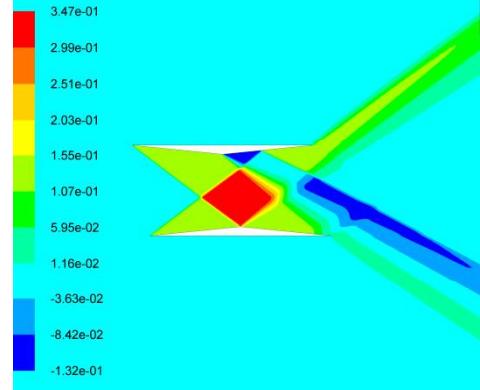


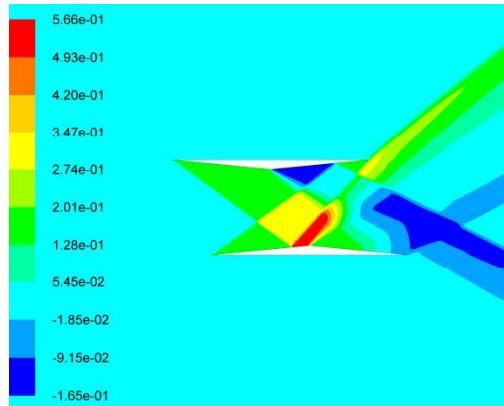
Figure A.4 C_p Variation for different Stagger distances at $M_\infty = 1.4$, $\alpha = 0^\circ$.



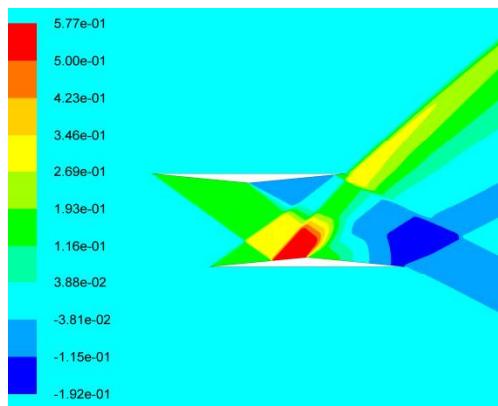
Busemann
($C_D = 0.0124, C_L = 0.0000$)



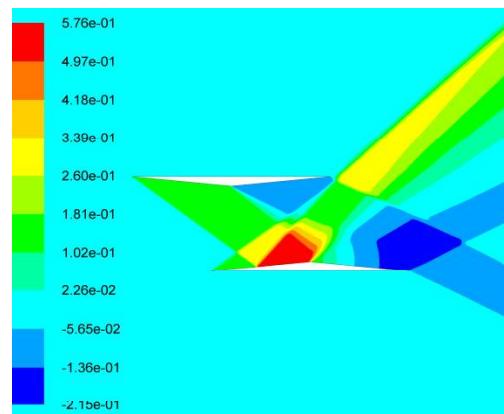
Stagger 0.1c
($C_D = 0.0135, C_L = -0.0476$)



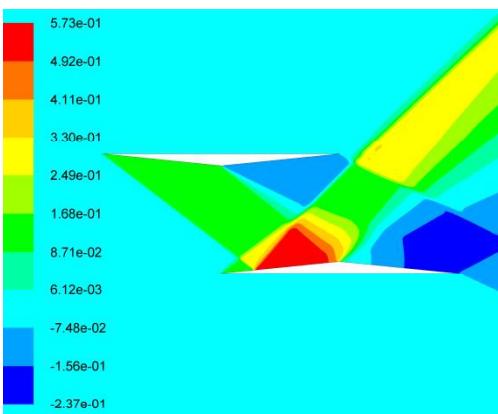
Stagger 0.2c
($C_D = 0.0222, C_L = -0.0910$)



Stagger 0.3c
($C_D = 0.0320, C_L = -0.1255$)

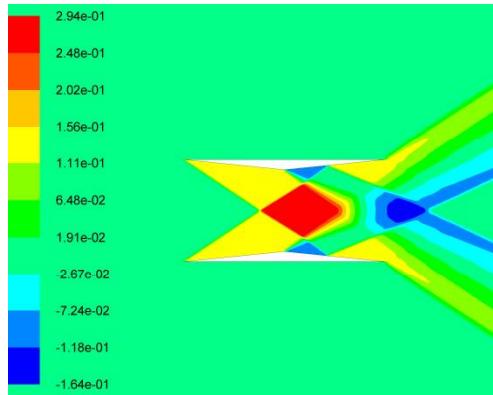


Stagger 0.4c
($C_D = 0.0410, C_L = -0.1394$)

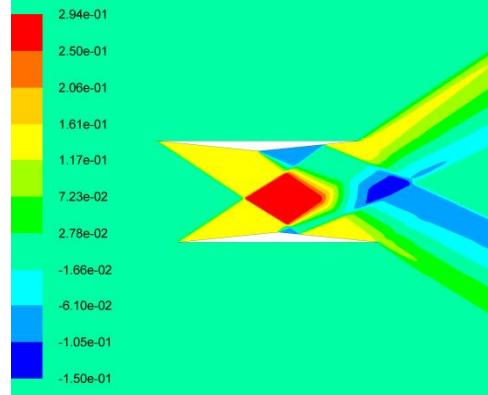


Stagger 0.5c
($C_D = 0.0478, C_L = -0.1322$)

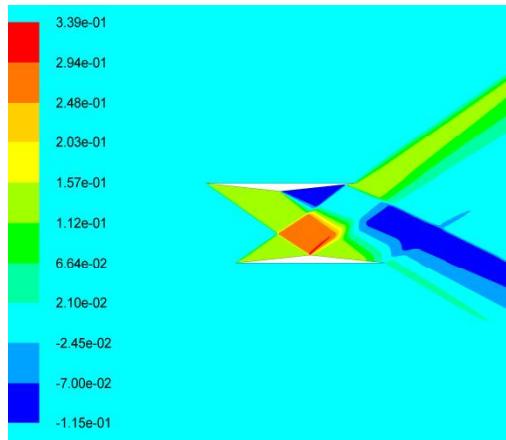
Figure A.5 C_p Variation for different Stagger distances at $M_\infty = 1.9, \alpha = 0^\circ$.



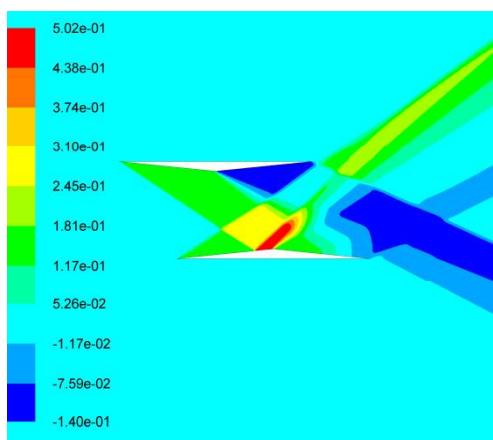
Busemann
($C_D = 0.0161, C_L = 0.0000$)



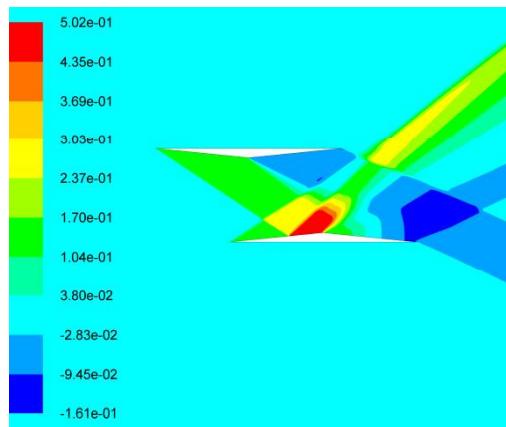
Stagger 0.1c
($C_D = 0.0163, C_L = -0.0495$)



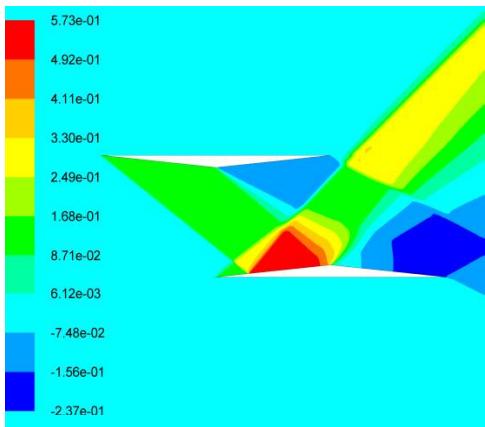
Stagger 0.2c
($C_D = 0.0175, C_L = -0.0910$)



Stagger 0.3c
($C_D = 0.0240, C_L = -0.1184$)

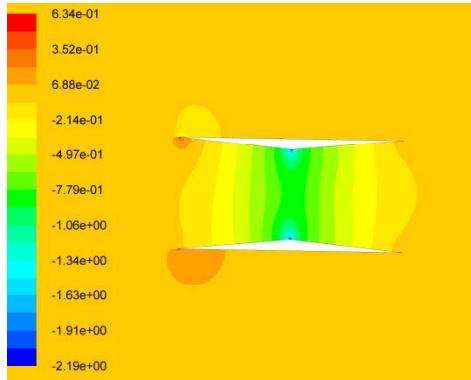


Stagger 0.4c
($C_D = 0.0300, C_L = -0.1246$)

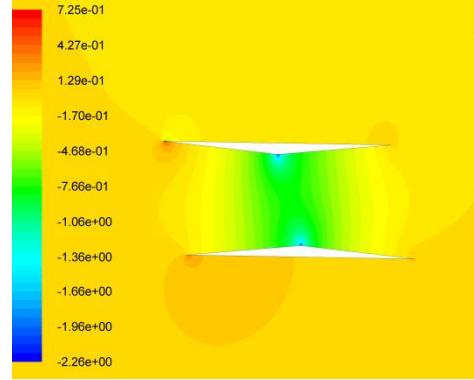


Stagger 0.5c
($C_D = 0.0363, C_L = -0.1254$)

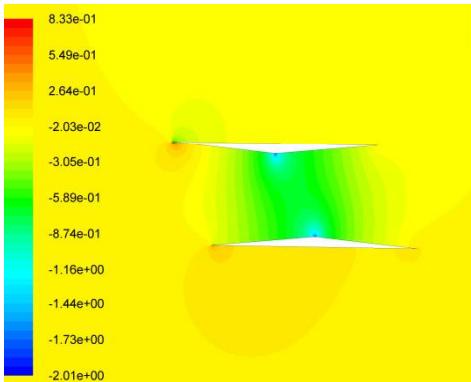
Figure A.6 C_p Variation for different Stagger distances at $M_\infty = 2.1, \alpha = 0^\circ$.



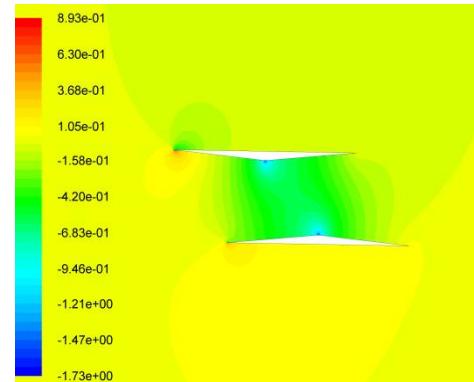
Busemann
($C_D = 0.0210, C_L = 0.1410$)



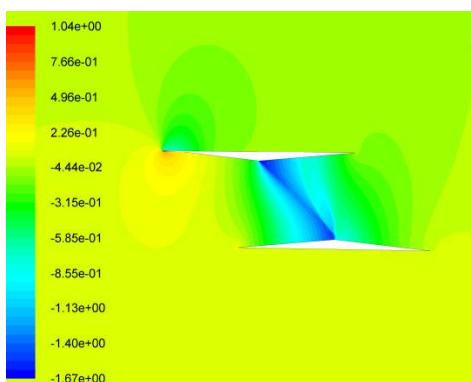
Stagger 0.1c
($C_D = 0.0206, C_L = 0.1890$)



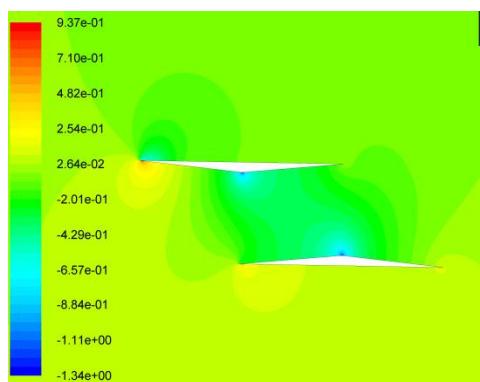
Stagger 0.2c
($C_D = 0.0214, C_L = 0.2444$)



Stagger 0.2c
($C_D = 0.0221, C_L = 0.2881$)



Stagger 0.4c
($C_D = 0.0265, C_L = 0.3012$)



Stagger 0.5c
($C_D = 0.0236, C_L = 0.3583$)

Figure A.7 C_p Variation for different Stagger distances at $M_\infty = 0.5, \alpha = 1^\circ$.

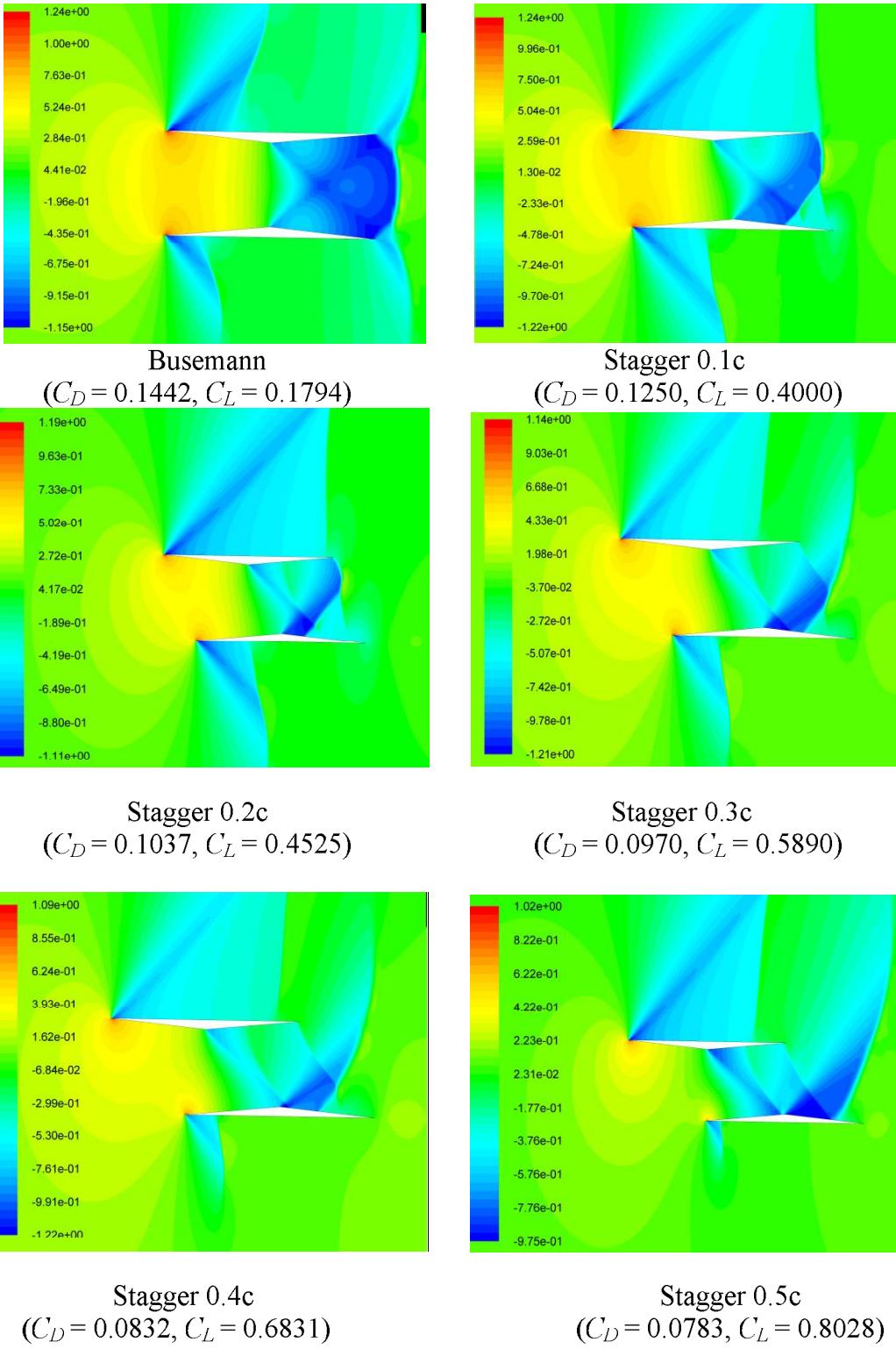
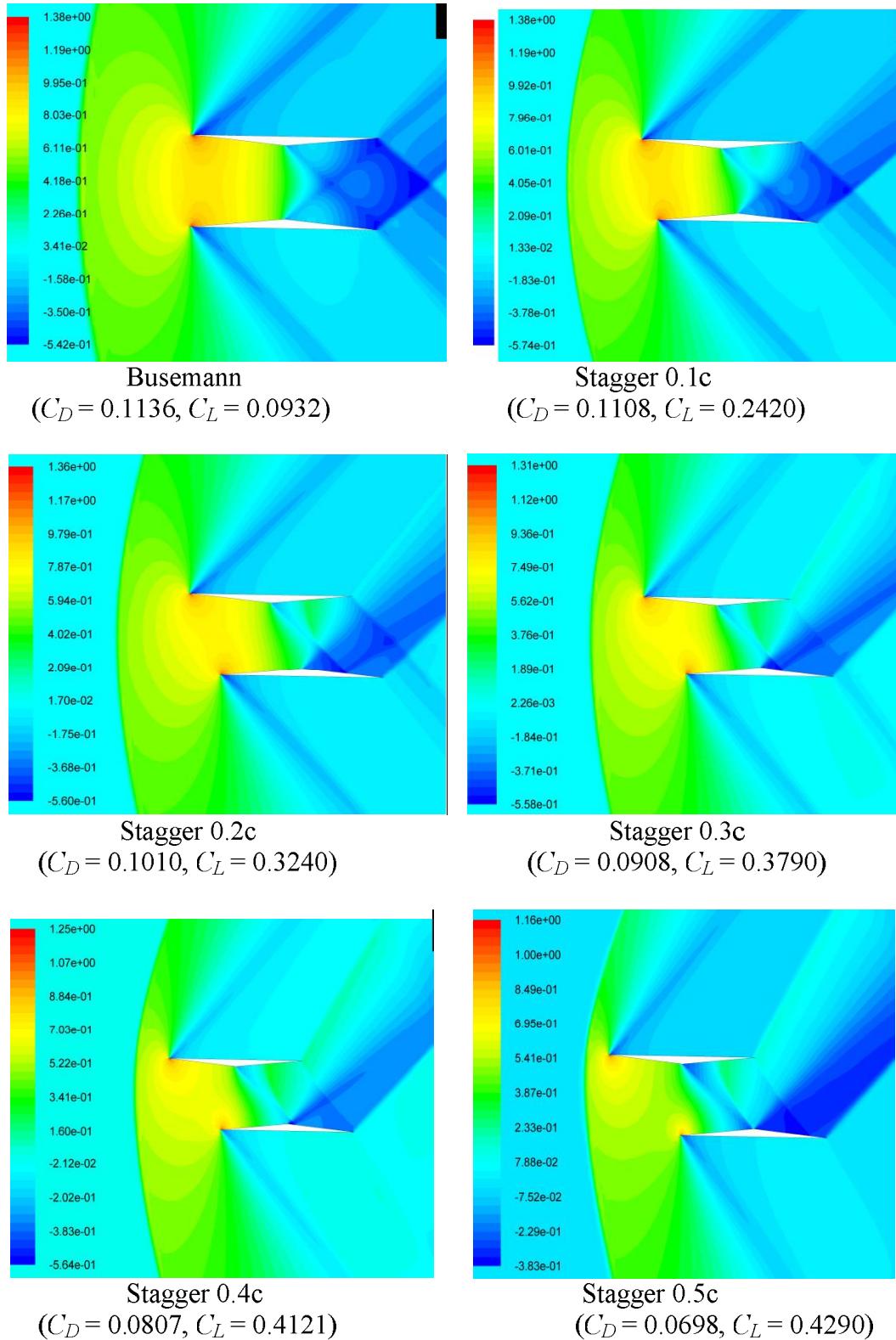


Figure A.8 C_p Variation for different Stagger distances at $M_\infty = 0.9$, $\alpha = 1^\circ$.



FigureA.9 C_p Variation for different Stagger distances at $M_\infty = 1.2$, $\alpha = 1^\circ$.

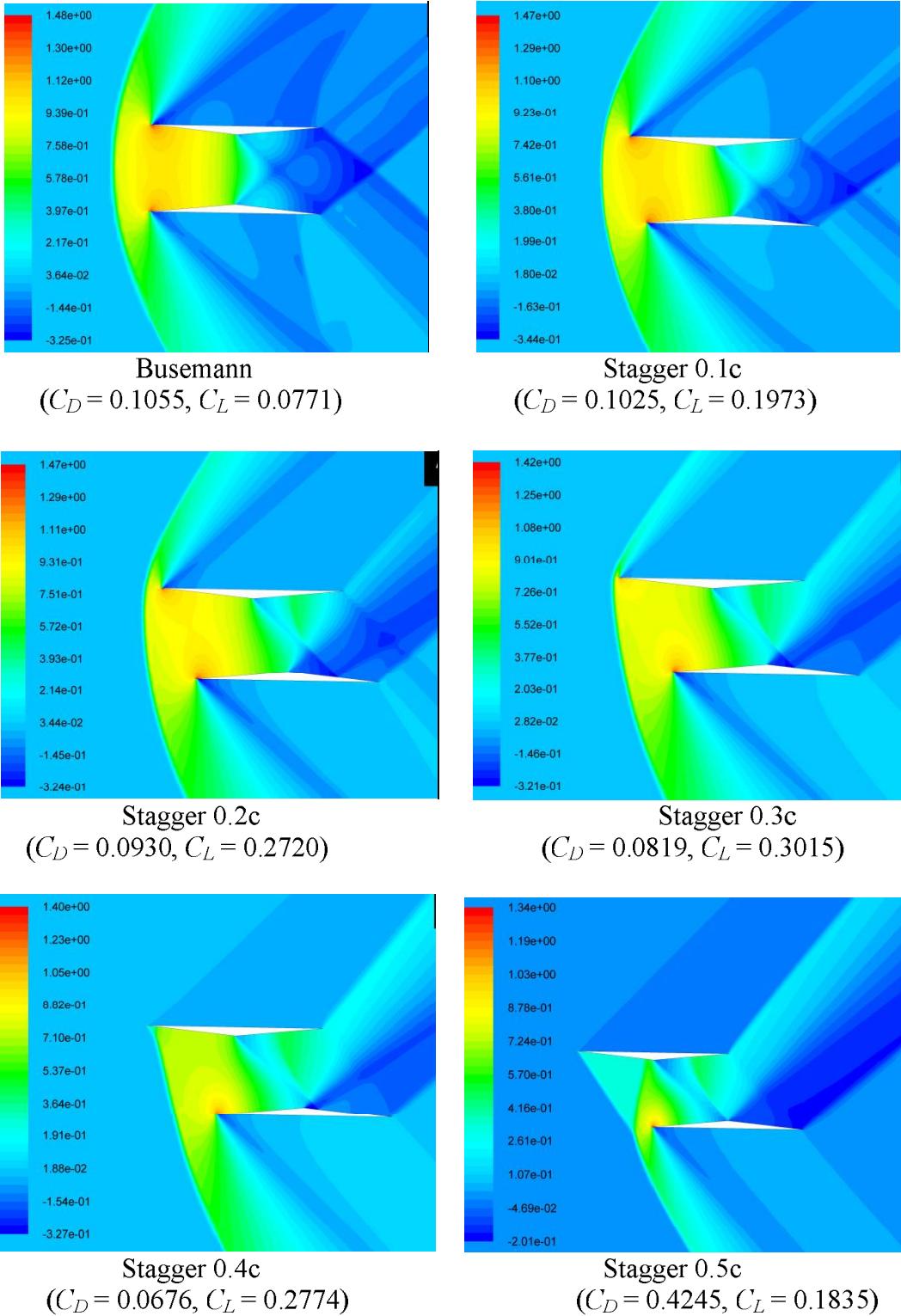


Figure A.10 C_p Variation for different Stagger distances at $M_\infty = 1.4$, $\alpha = 1^\circ$.

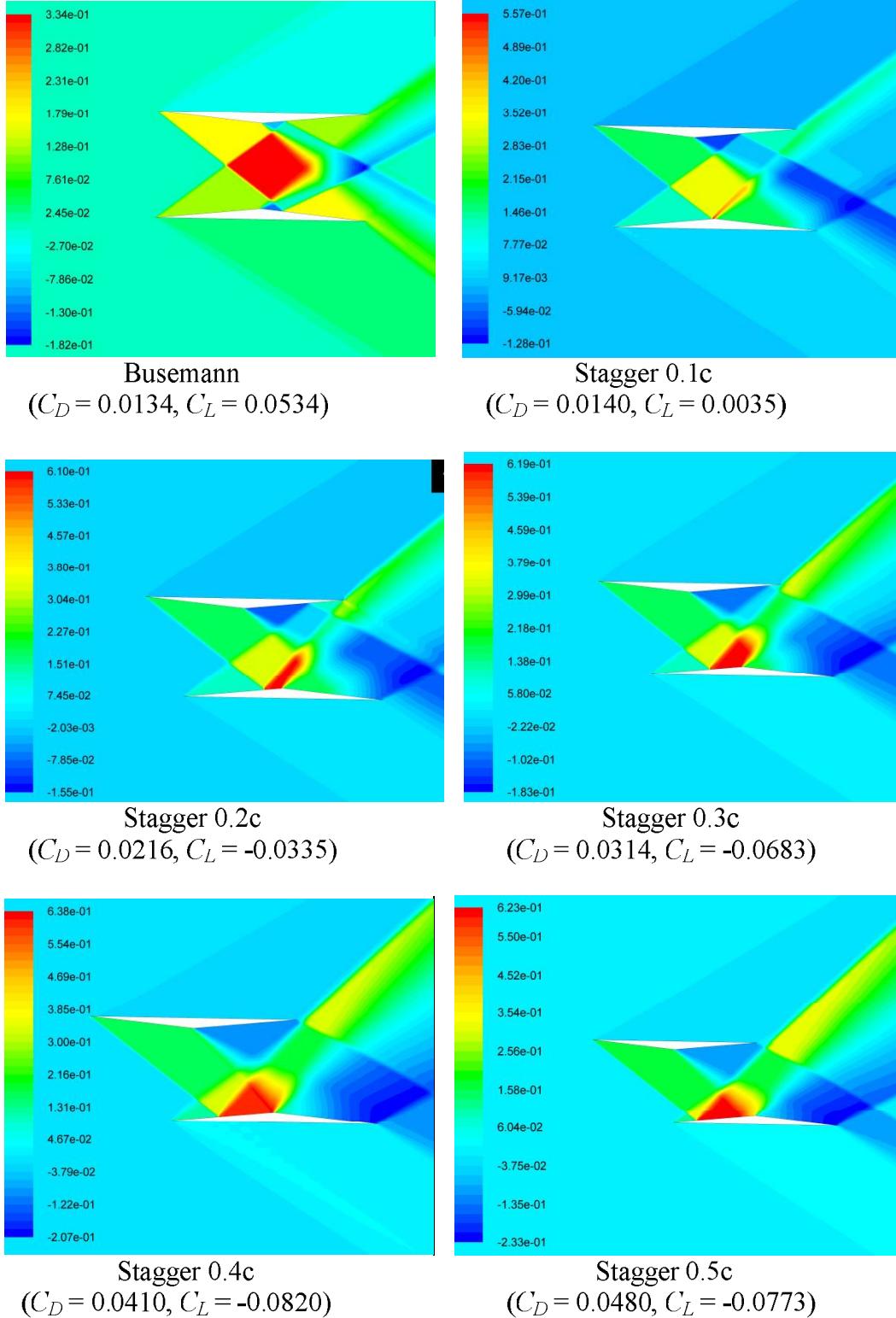


Figure A.11 C_p Variation for different Stagger distances at $M_\infty = 1.9$, $\alpha = 1^\circ$.

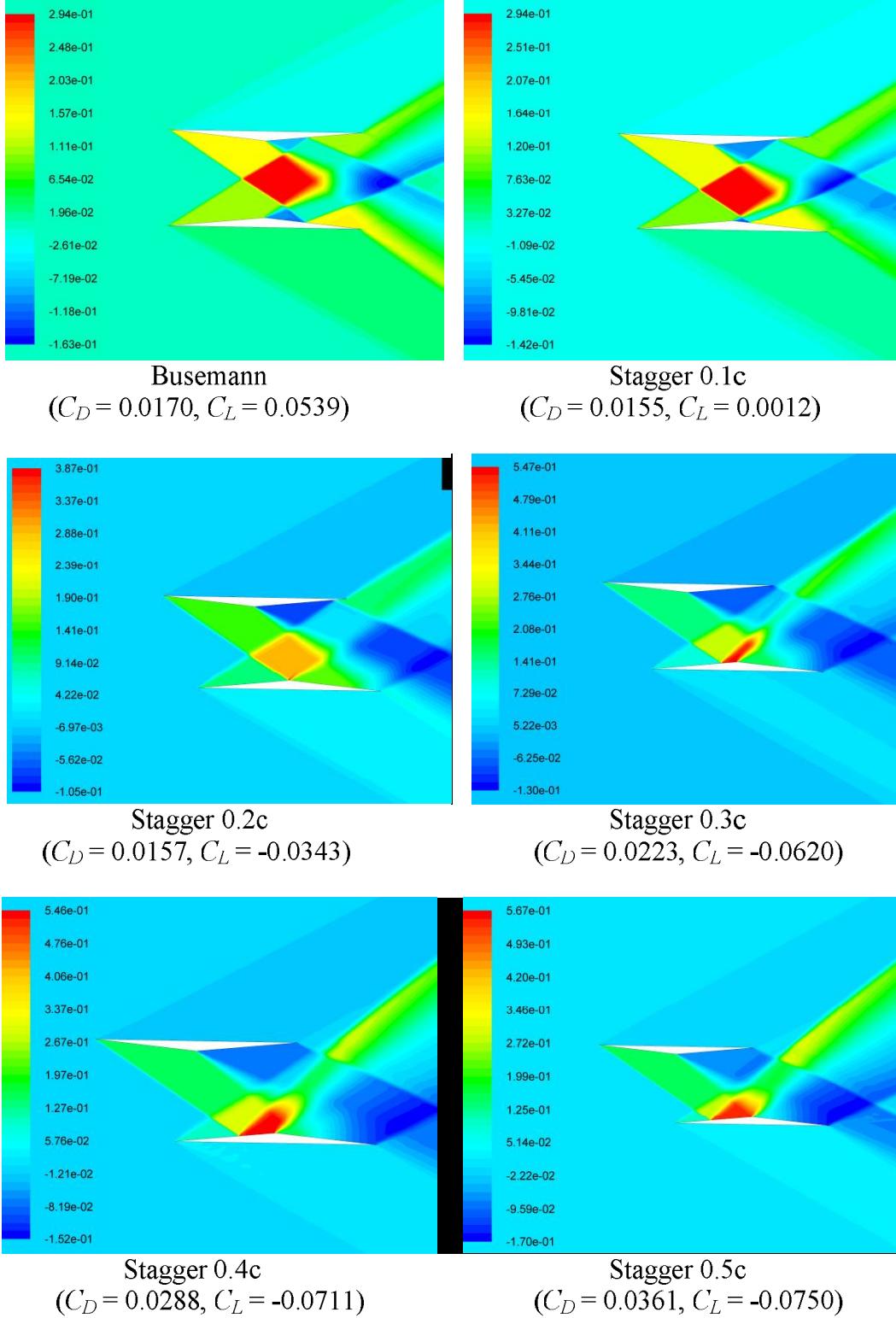


Figure A.12 C_p Variation for different Stagger distances at $M_\infty = 2.1$, $\alpha = 1^\circ$.

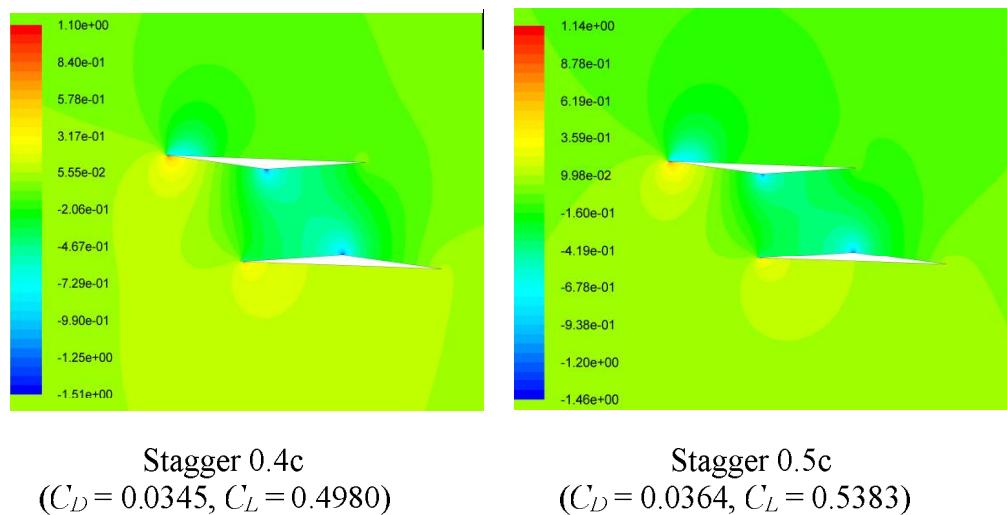
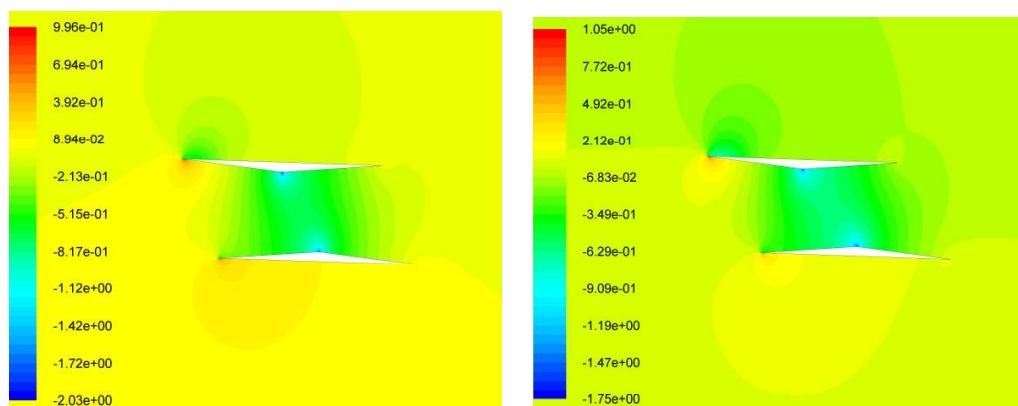
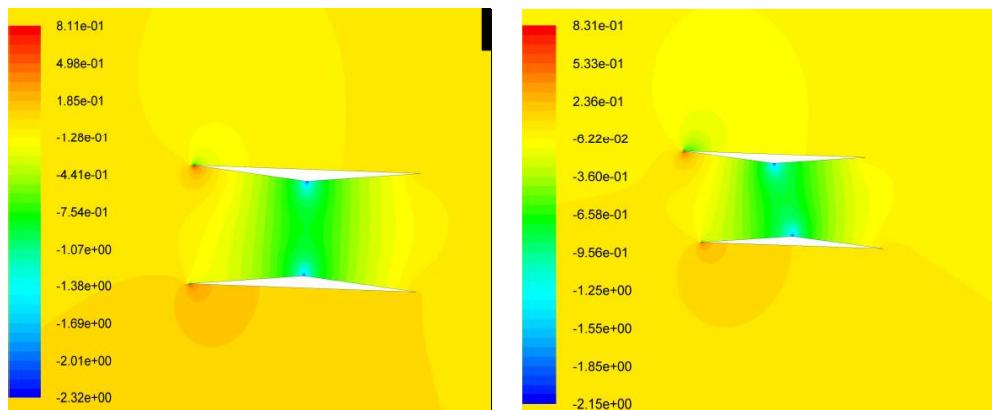


Figure A.13 C_p Variation for different Stagger distances at $M_\infty = 0.5$, $\alpha = 2^\circ$.

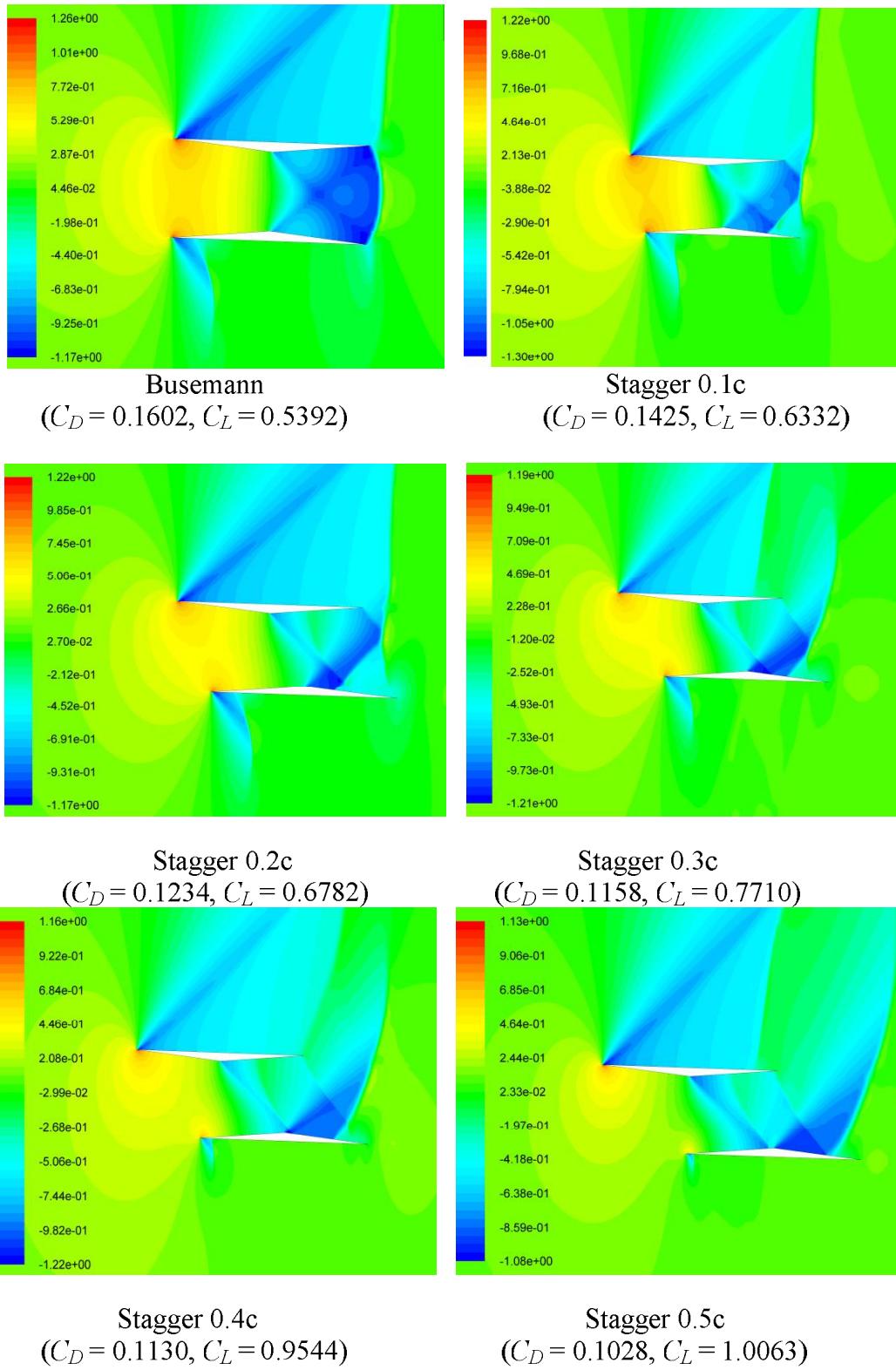


Figure A.14 C_p Variation for different Stagger distances at $M_\infty = 0.9$, $\alpha = 2^\circ$.

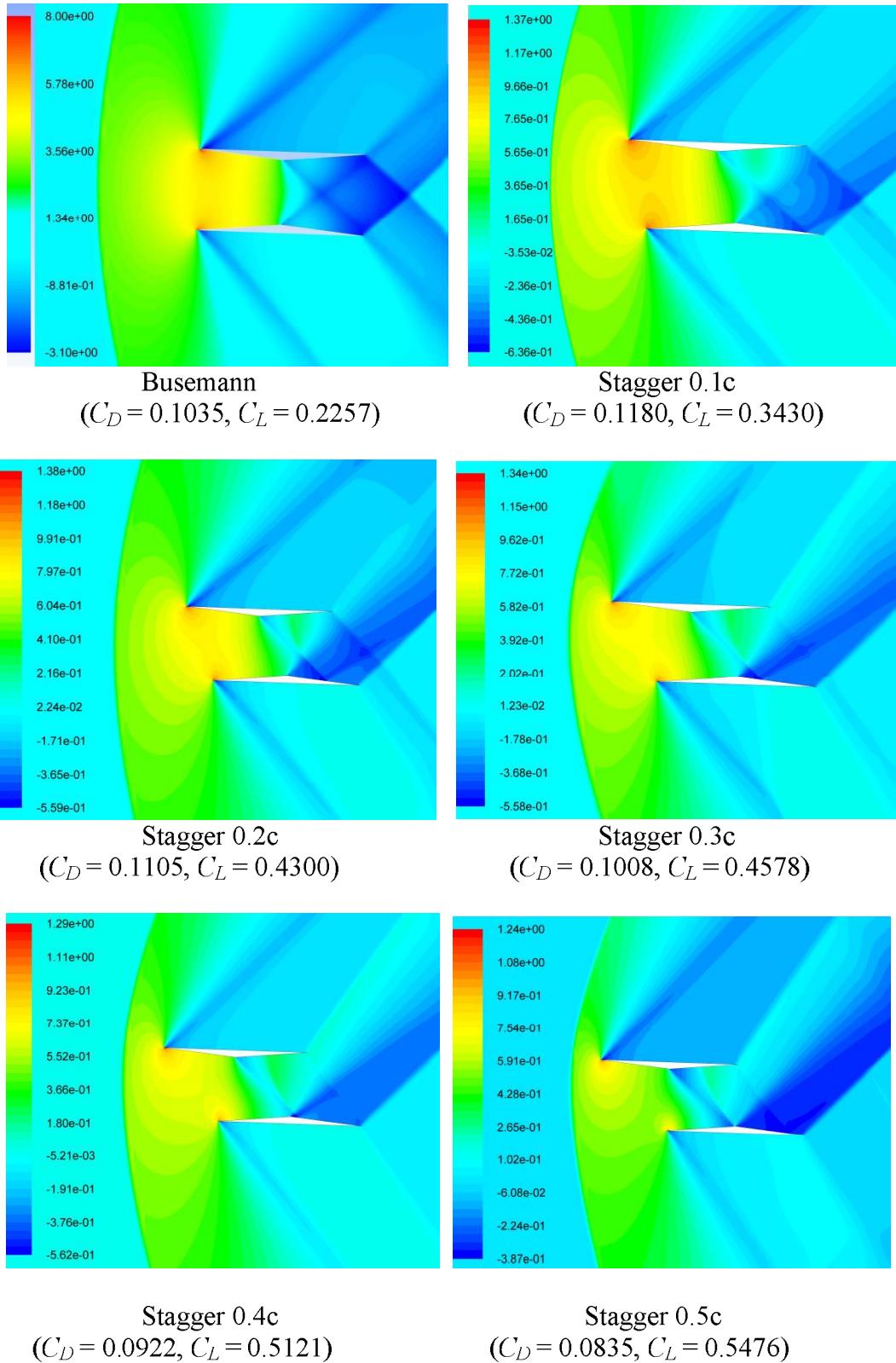


Figure A.15 C_p Variation for different Stagger distances at $M_\infty = 1.2, \alpha = 2^\circ$.

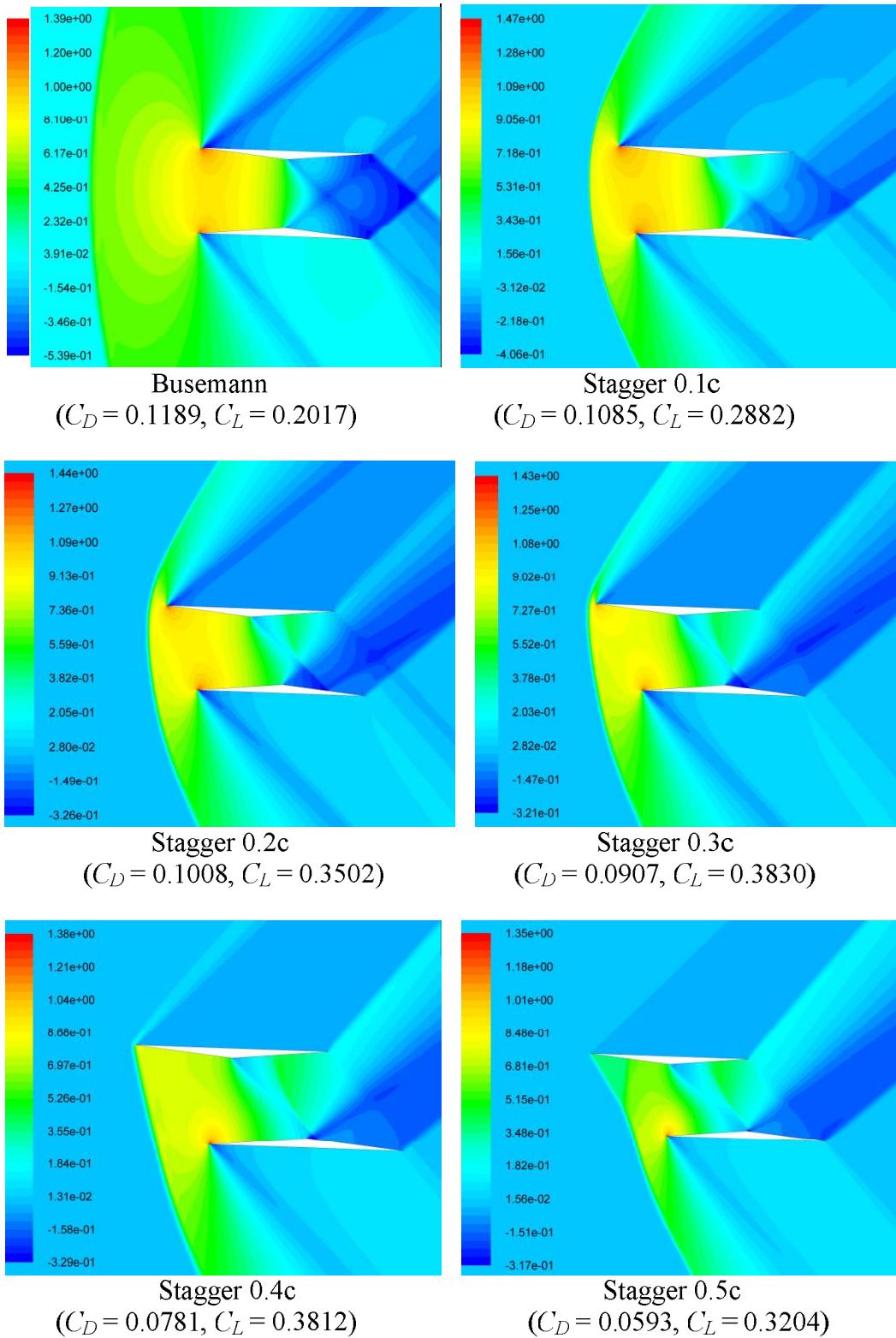


Figure A.16 C_p Variation for different Stagger distances at $M_\infty = 1.4$, $\alpha = 2^\circ$.

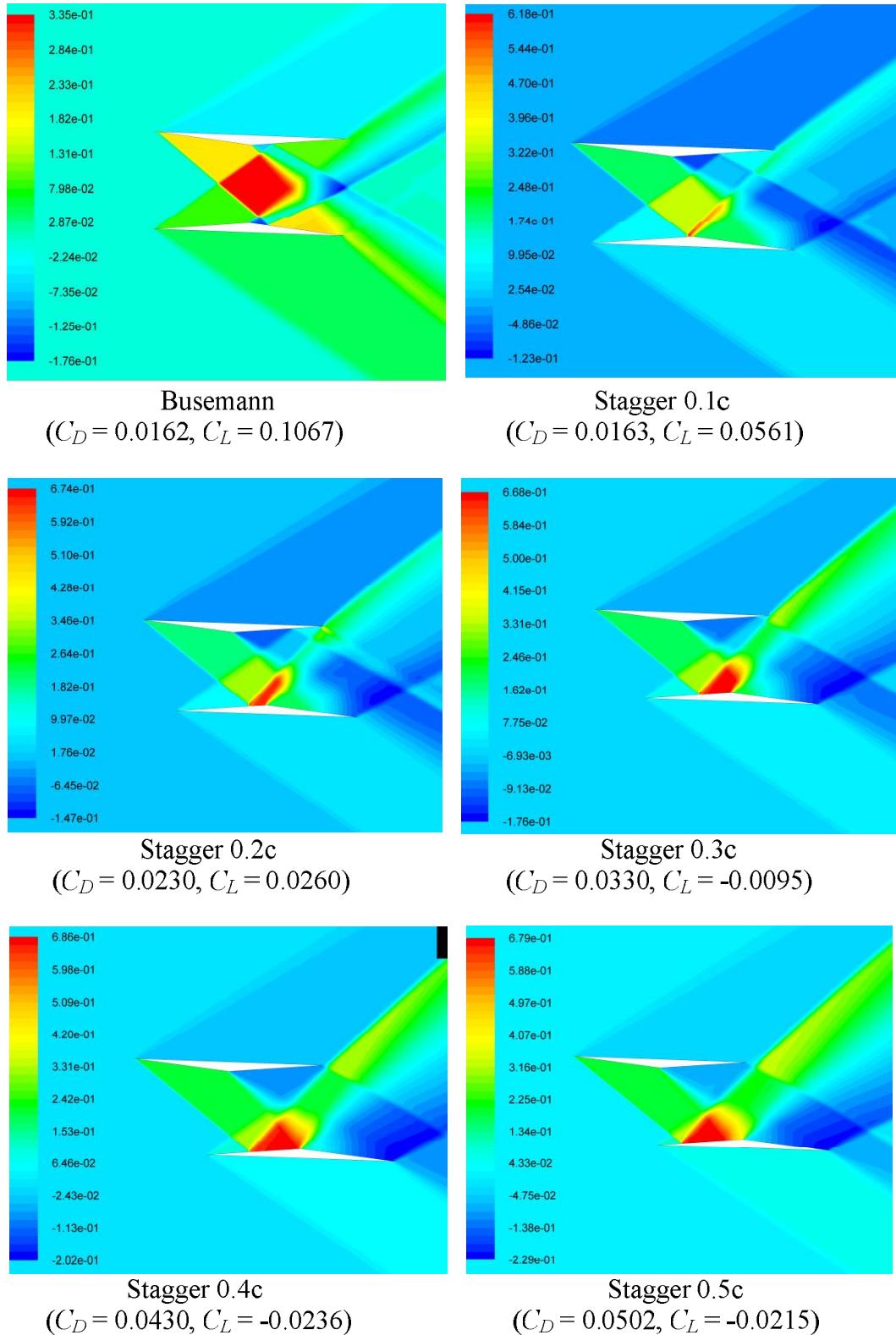


Figure A.17 C_p Variation for different Stagger distances at $M_\infty = 1.9, \alpha = 2^\circ$.

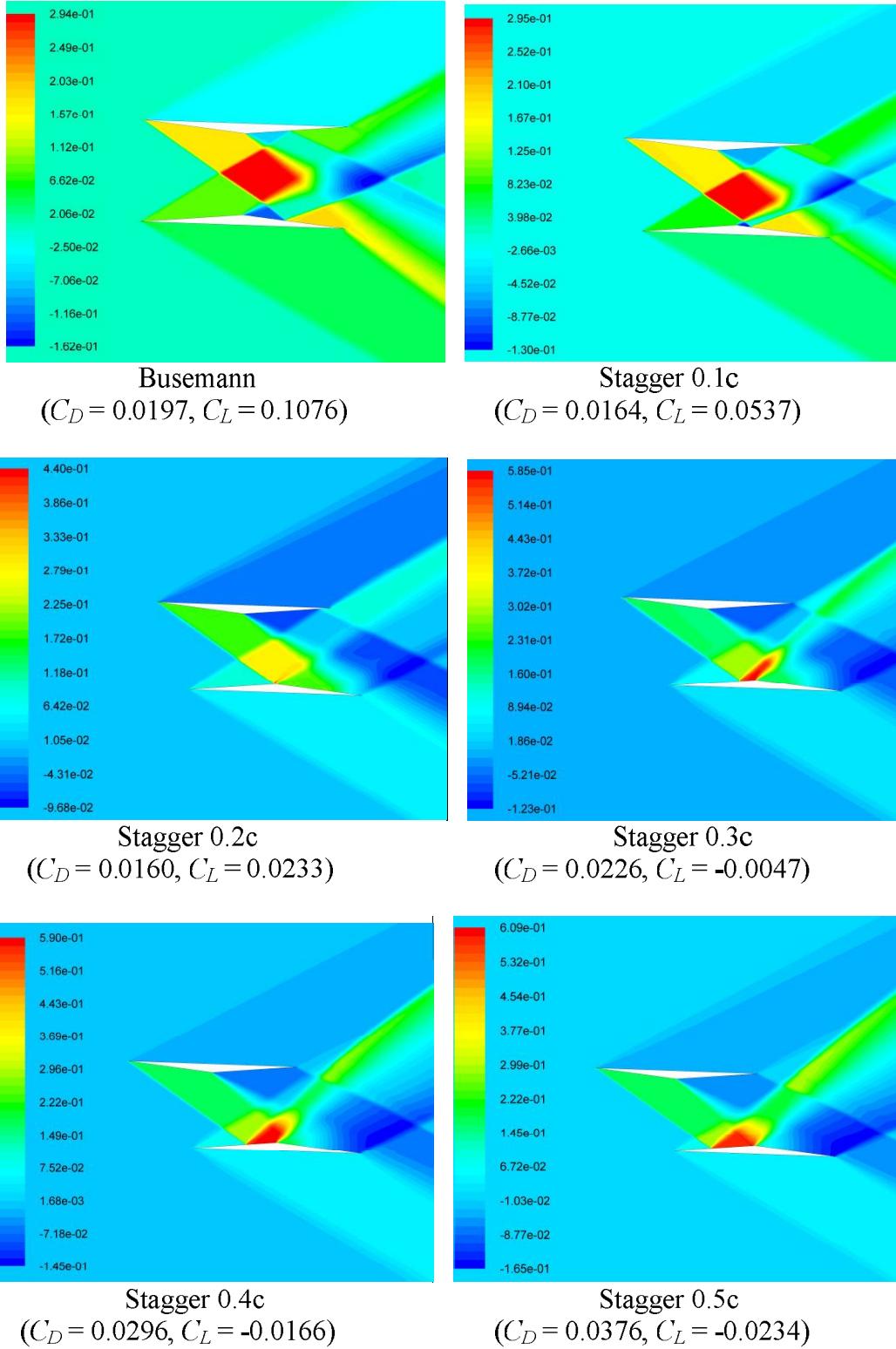


Figure A.18 C_p Variation for different Stagger distances at $M_\infty = 2.1$, $\alpha = 2^\circ$.

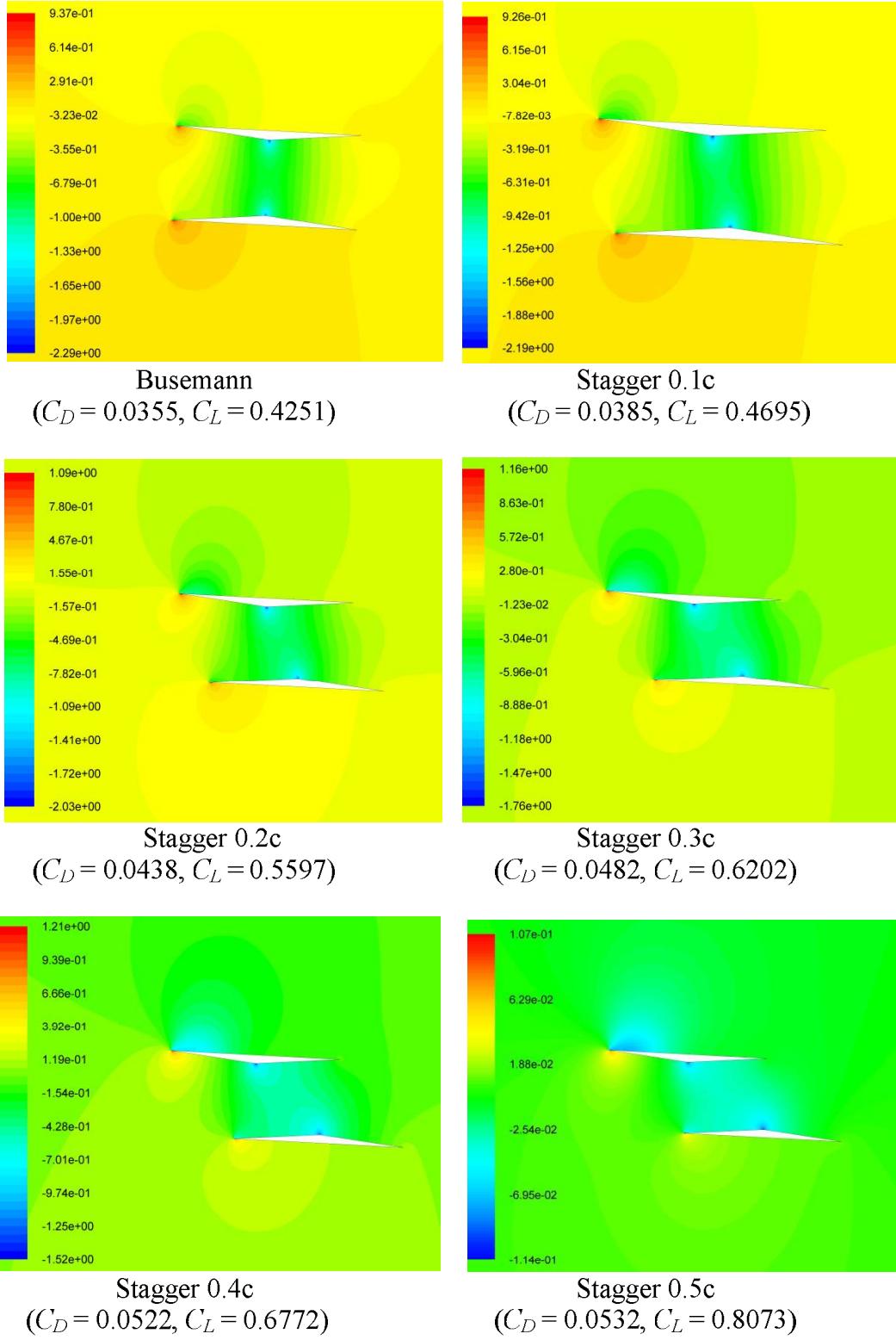
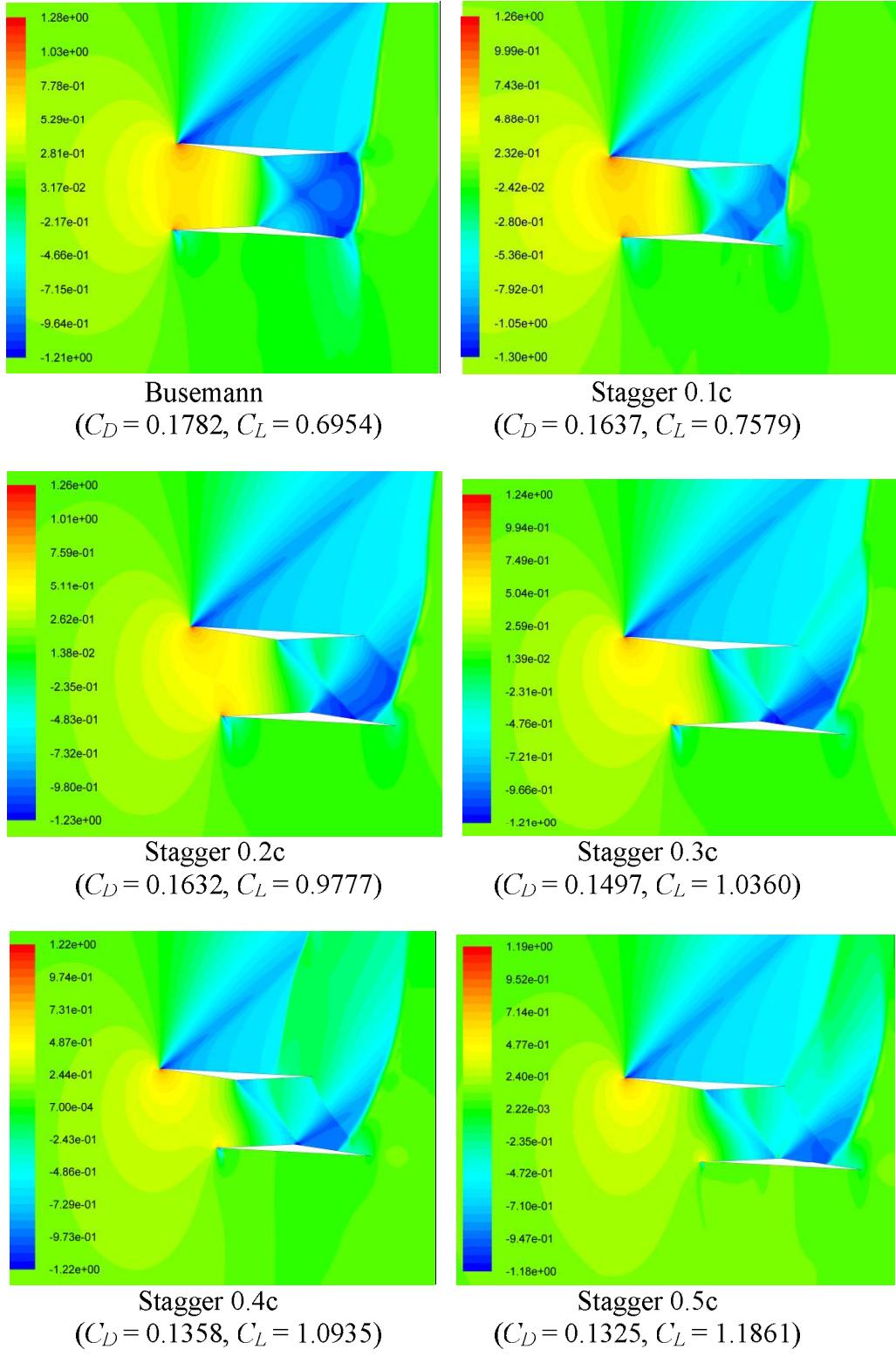


Figure A.19 C_p Variation for different Stagger distances at $M_\infty = 0.5$, $\alpha = 3^\circ$.



FigureA.20 C_p Variation for different Stagger distances at $M_\infty = 0.9$, $\alpha = 3^\circ$.

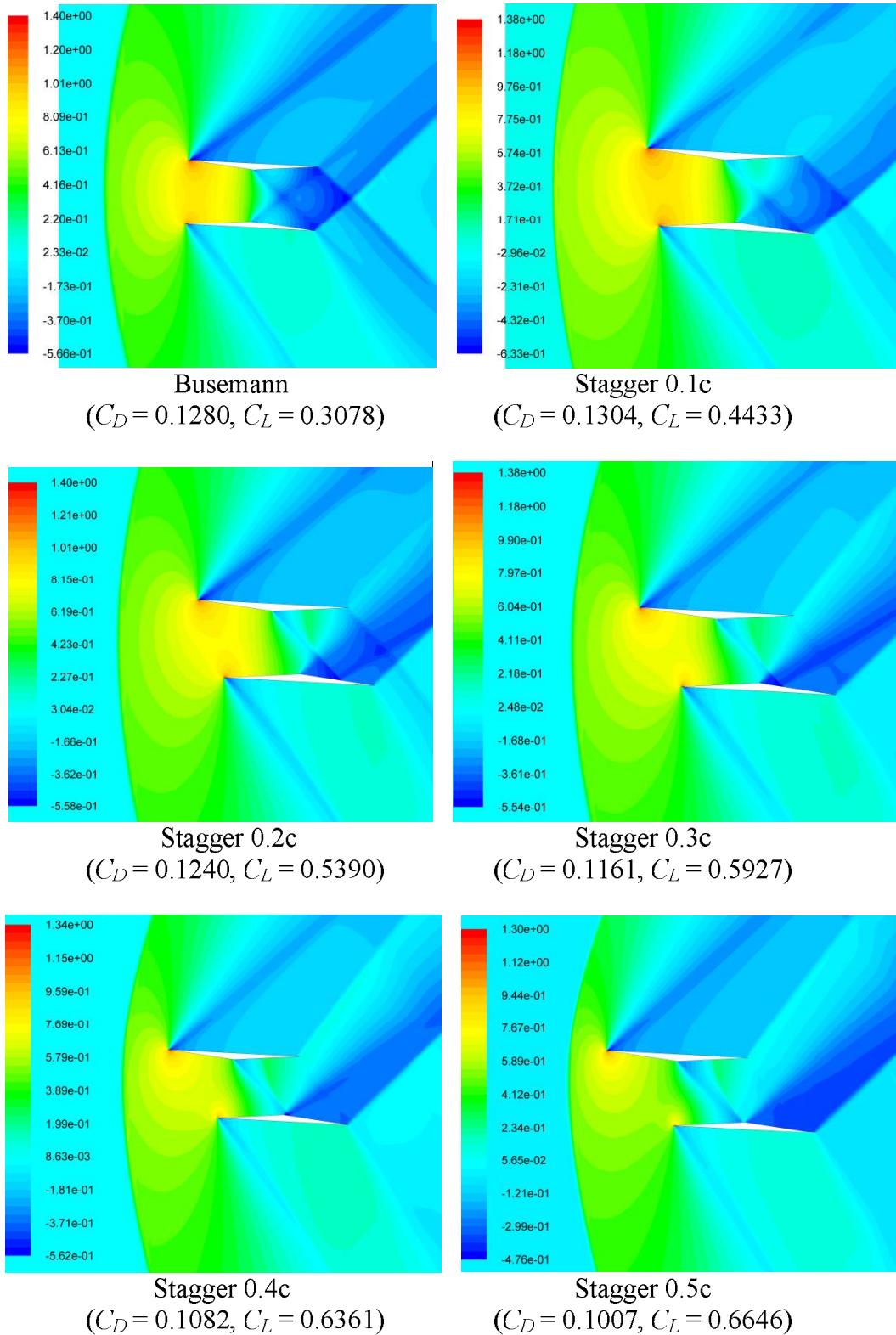


Figure A.21 C_p Variation for different Stagger distances at $M_\infty = 1.2$, $\alpha = 3^\circ$.

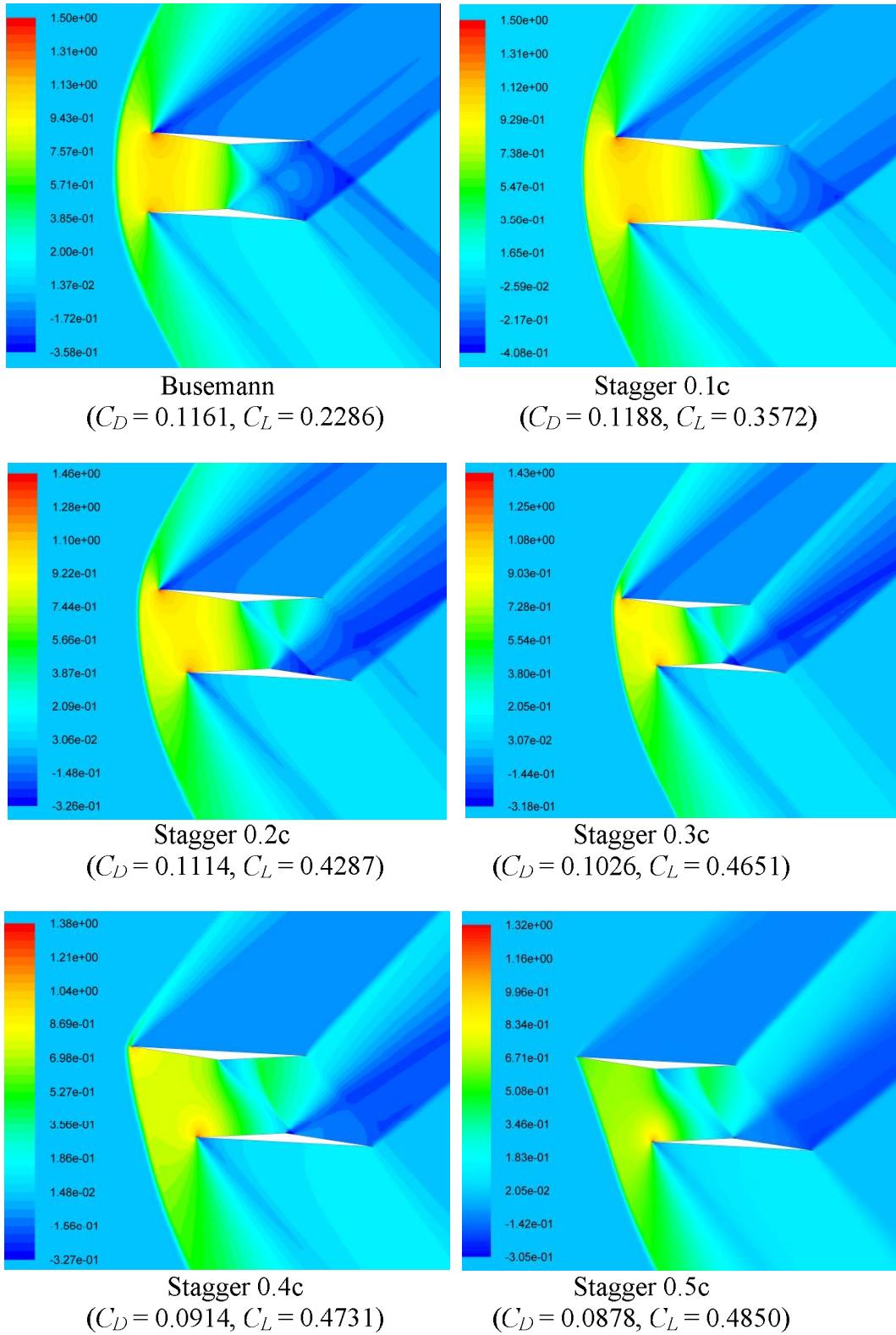


Figure A.22 C_p Variation for different Stagger distances at $M_\infty = 1.4$, $\alpha = 3^\circ$.

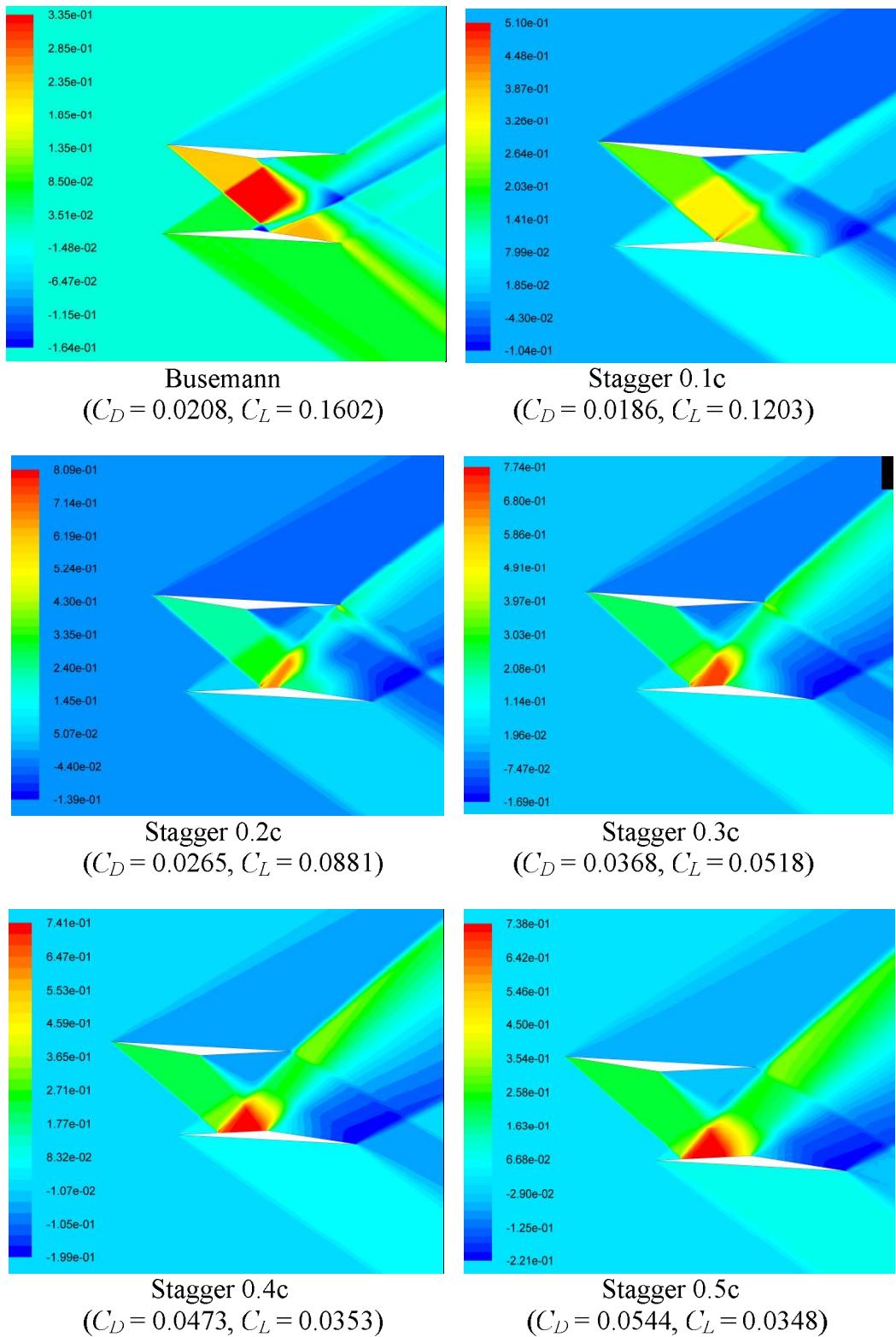


Figure A.23 C_p Variation for different Stagger distances at $M_\infty = 1.9$, $\alpha = 3^\circ$.

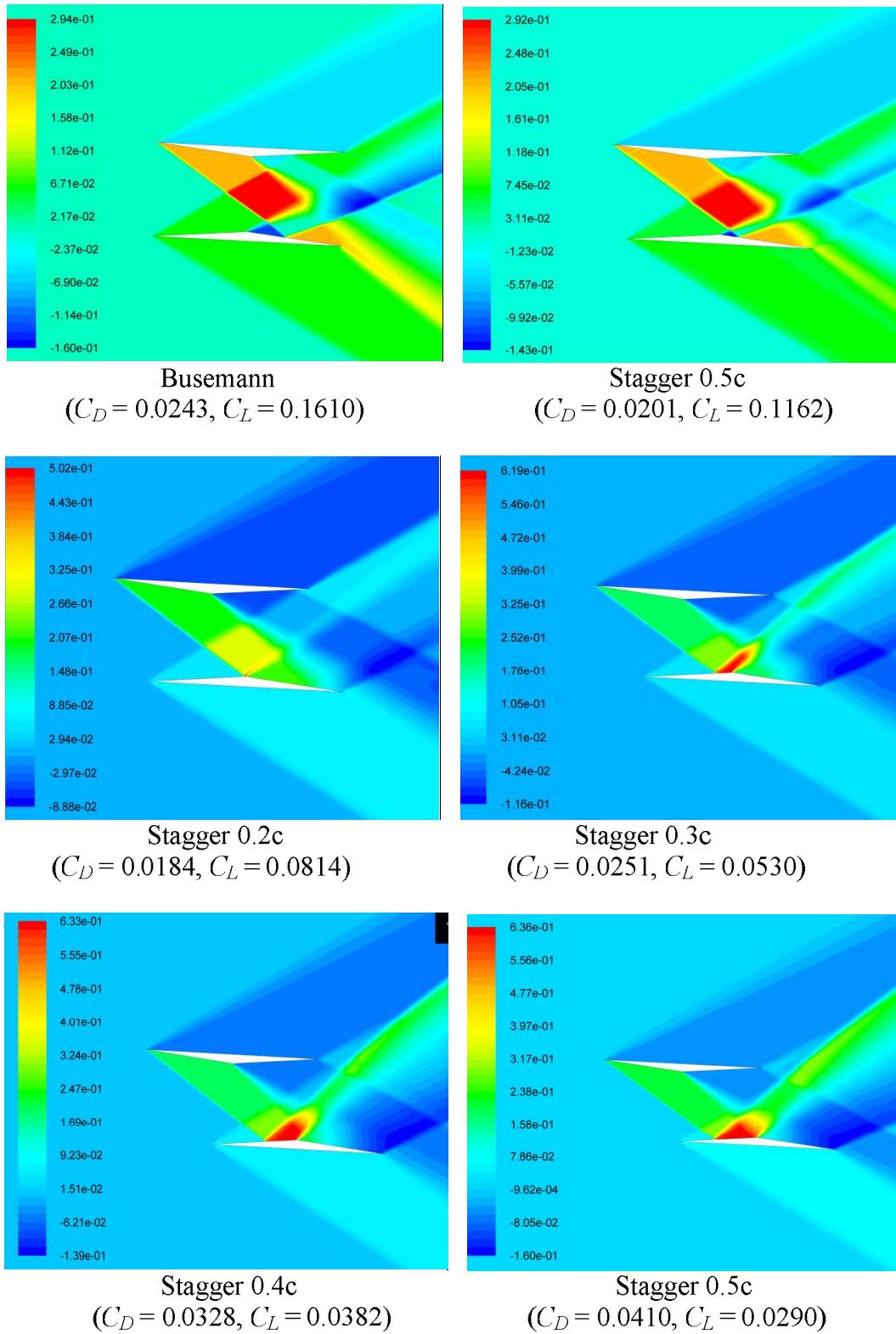


Figure A.24 C_p Variation for different Stagger distances at $M_\infty = 2.1$, $\alpha = 3^\circ$.