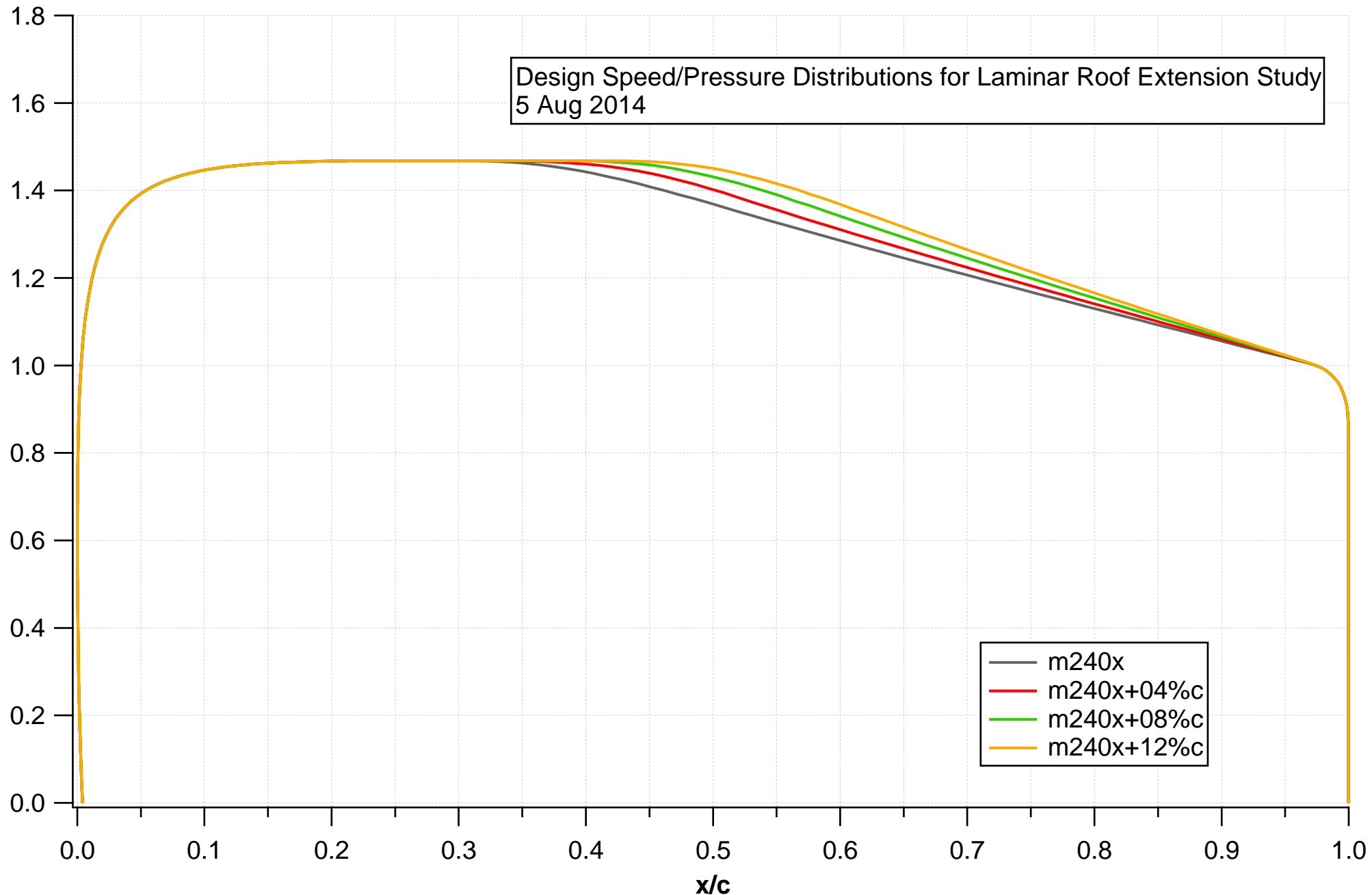


Design Speed/Pressure Distributions for Laminar Roof Extension Study
5 Aug 2014

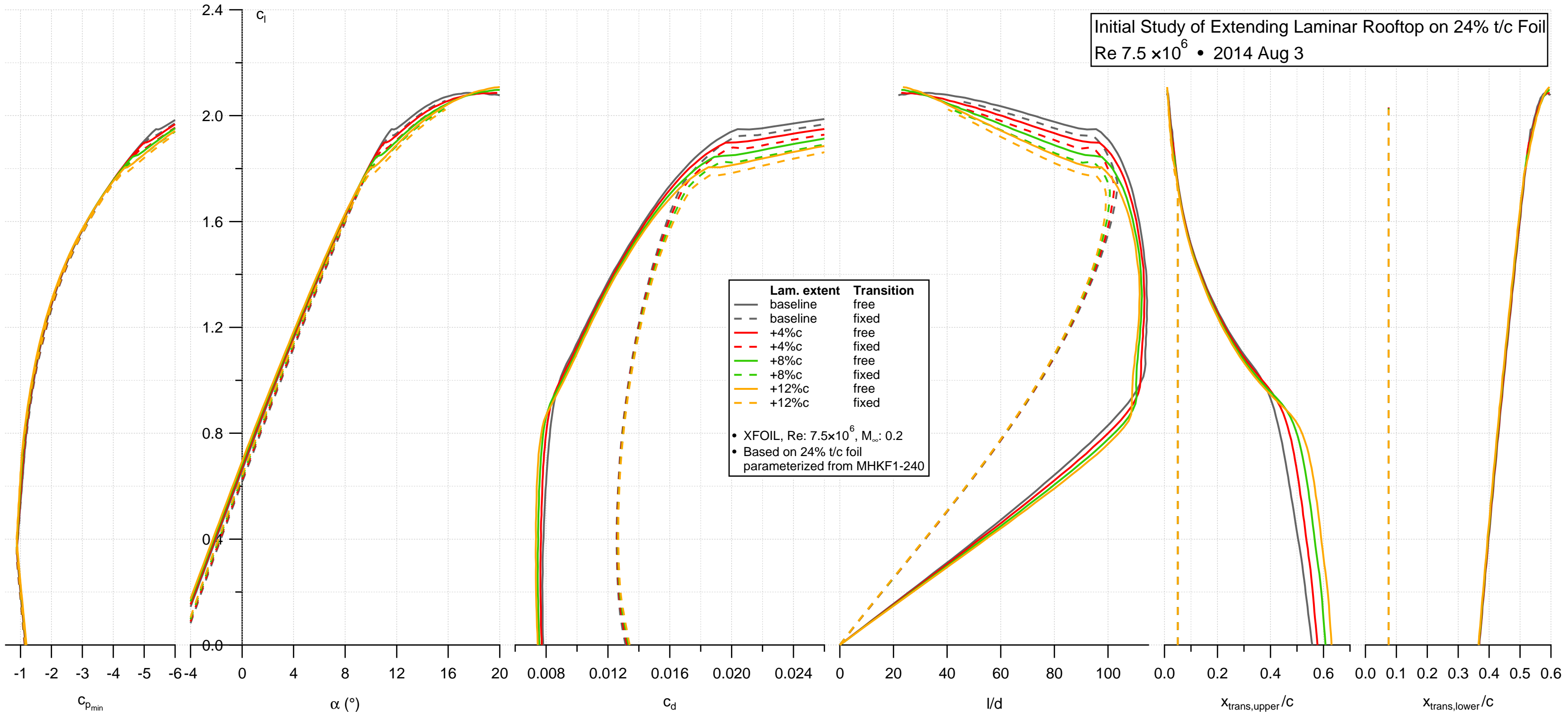
Nondimensionalized Surface Speed (q/U_{inf})



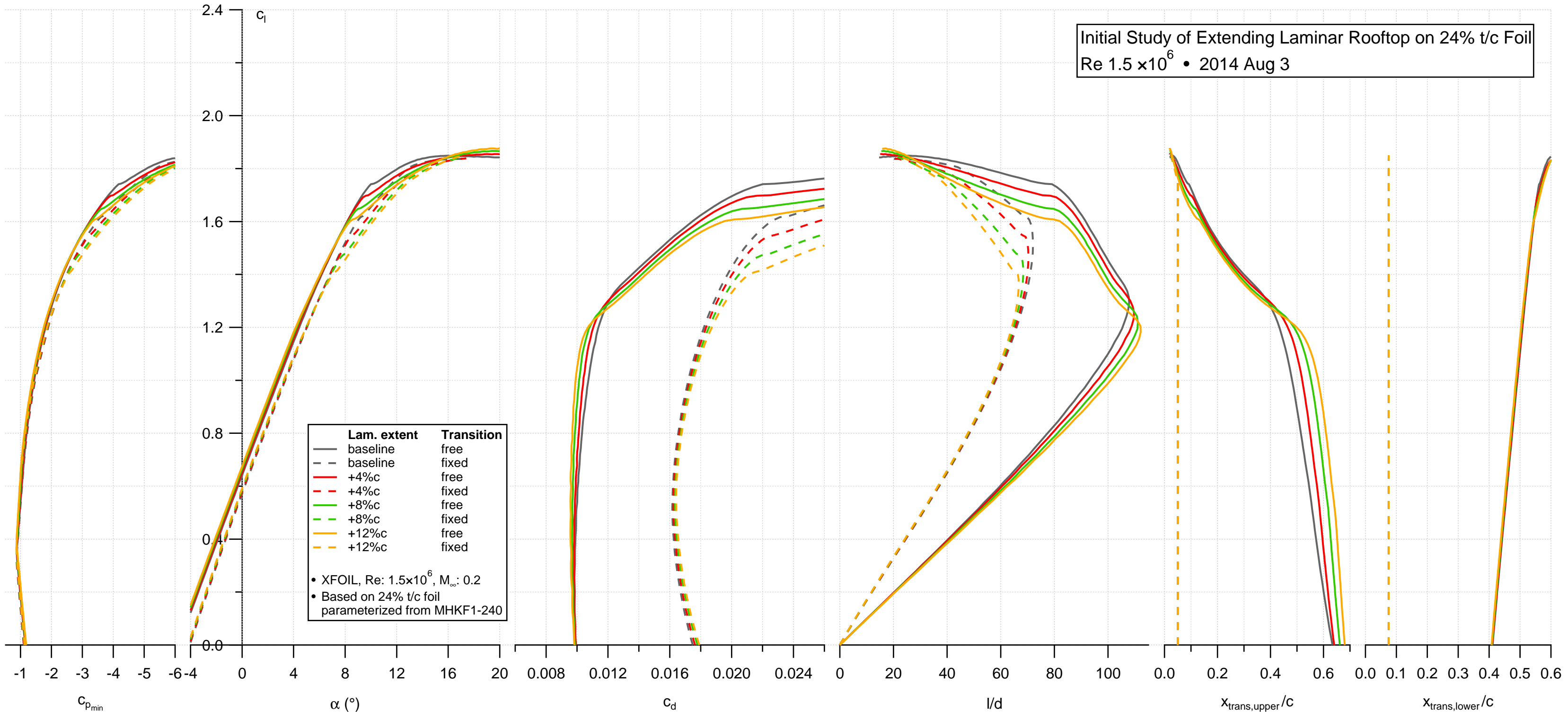
— m240x
— m240x+04%c
— m240x+08%c
— m240x+12%c

x/c

Initial Study of Extending Laminar Rooftop on 24% t/c Foil
 $Re\ 7.5 \times 10^6$ • 2014 Aug 3

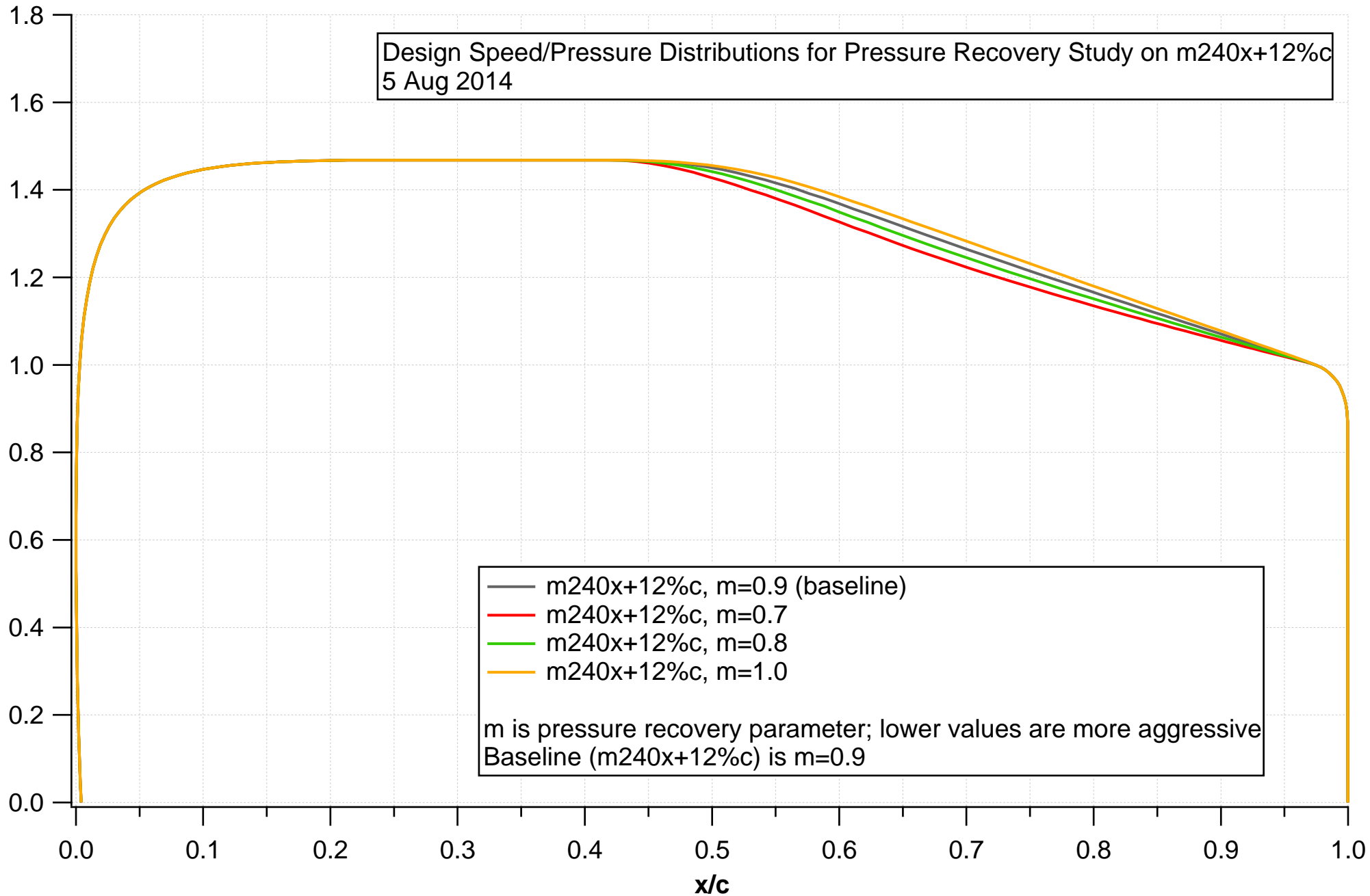


Initial Study of Extending Laminar Rooftop on 24% t/c Foil
 $Re\ 1.5 \times 10^6$ • 2014 Aug 3



Design Speed/Pressure Distributions for Pressure Recovery Study on m240x+12%c
5 Aug 2014

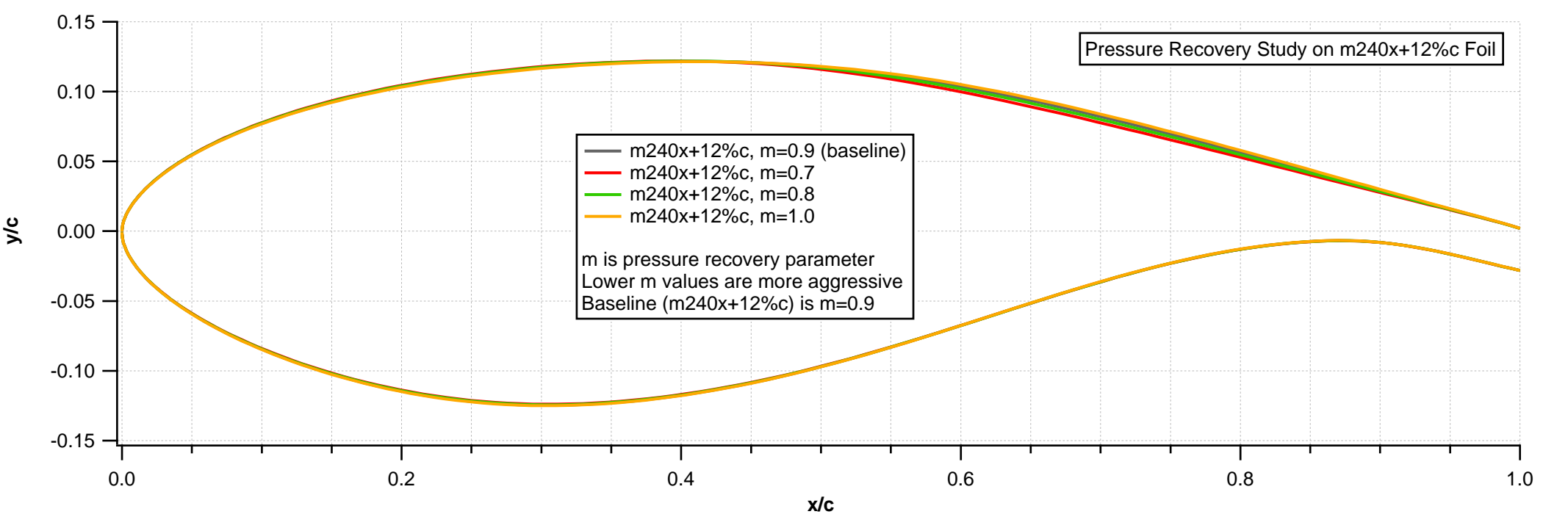
Nondimensionalized Surface Speed (q/U_{inf})



Pressure Recovery Study on m240x+12%c Foil

— m240x+12%c, m=0.9 (baseline)
— m240x+12%c, m=0.7
— m240x+12%c, m=0.8
— m240x+12%c, m=1.0

m is pressure recovery parameter
Lower m values are more aggressive
Baseline (m240x+12%c) is m=0.9



Initial Study of Pressure Recovery on 24% t/c Foil with +12%c Laminar Roof
 Re 7.5×10^6 • 2014 Aug 3

