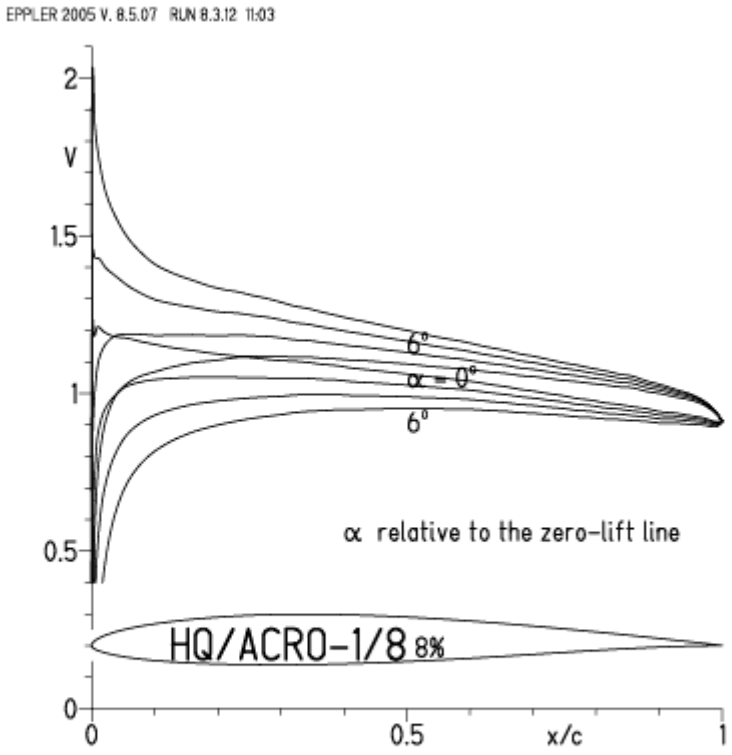
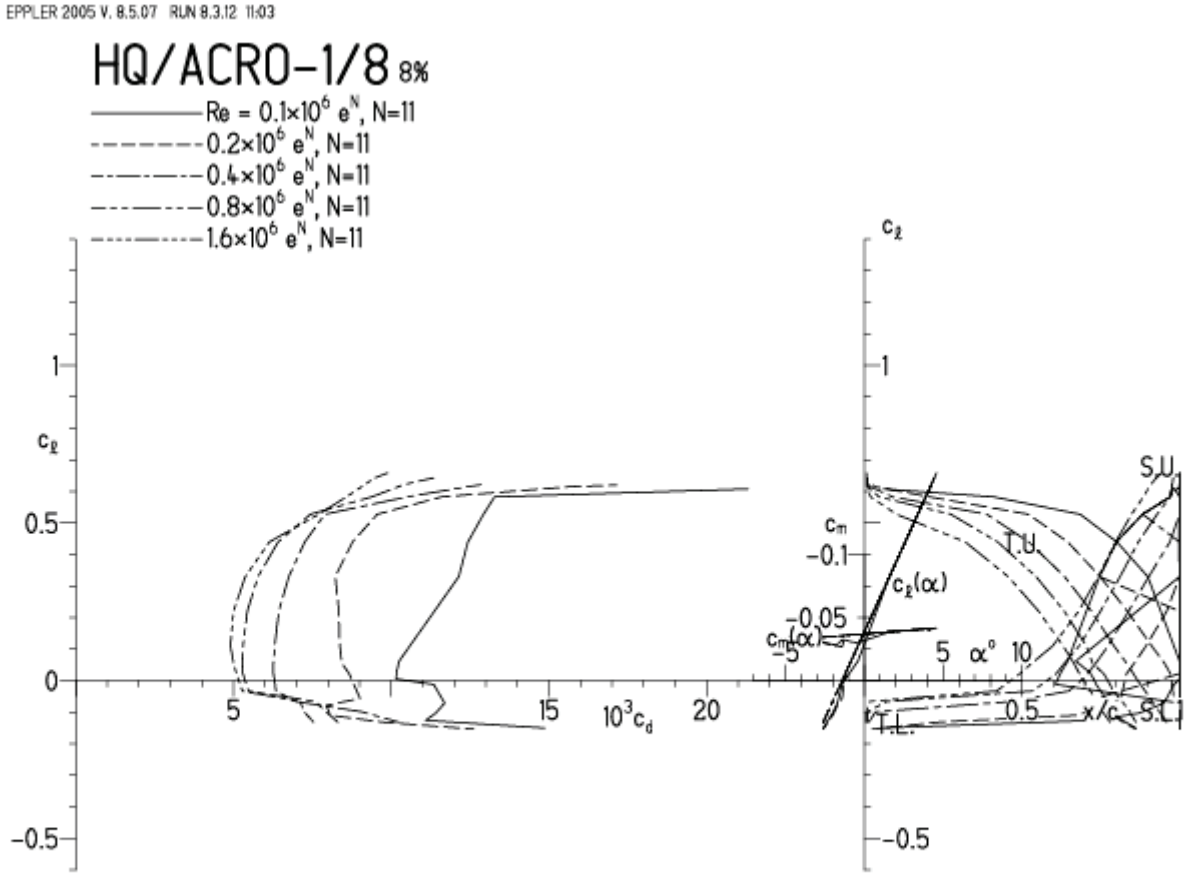
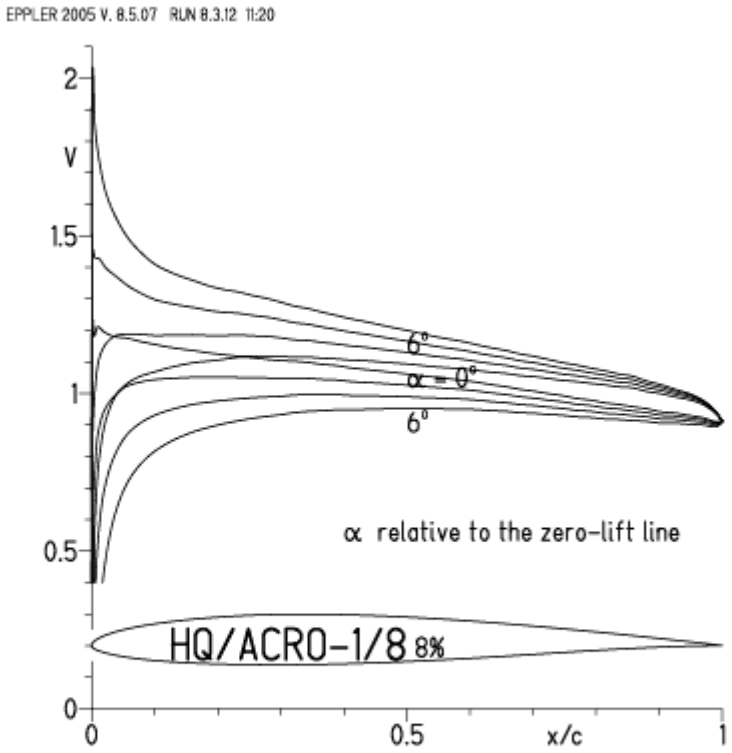
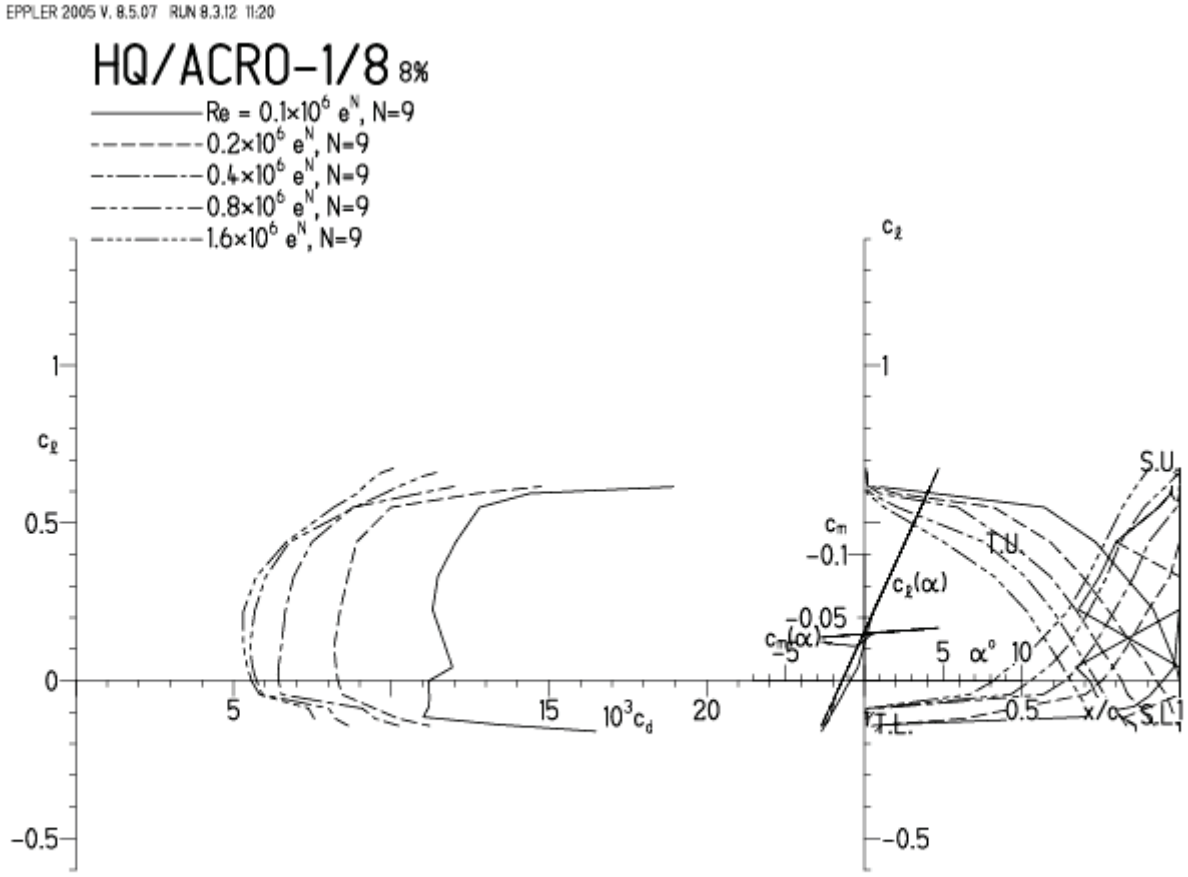
HQ/ACRO-1/8, N=11





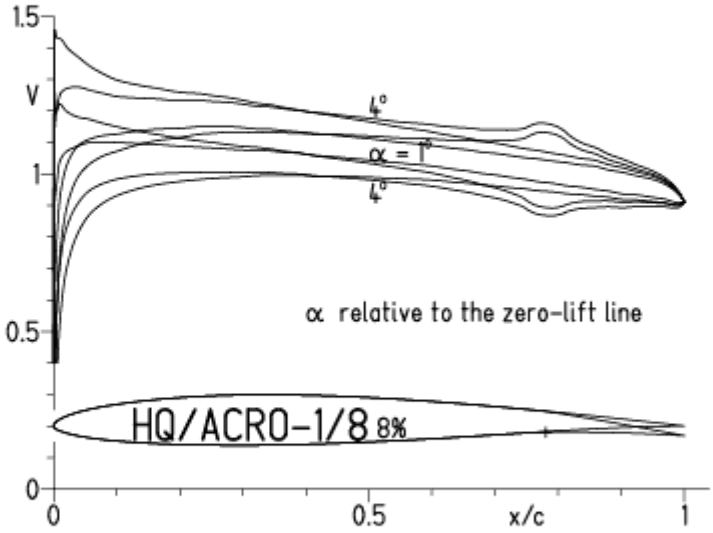
HQ/ACRO-1/8, N=9


EPPLER 2005 V. 8.5.07 RUN 8.3.12 11:20
2
V
1.5
1
0.5
0
6°
α = 0°
6°
α relative to the zero-lift line
HQ/ACRO-1/8 8%
0
0.5
x/c
1

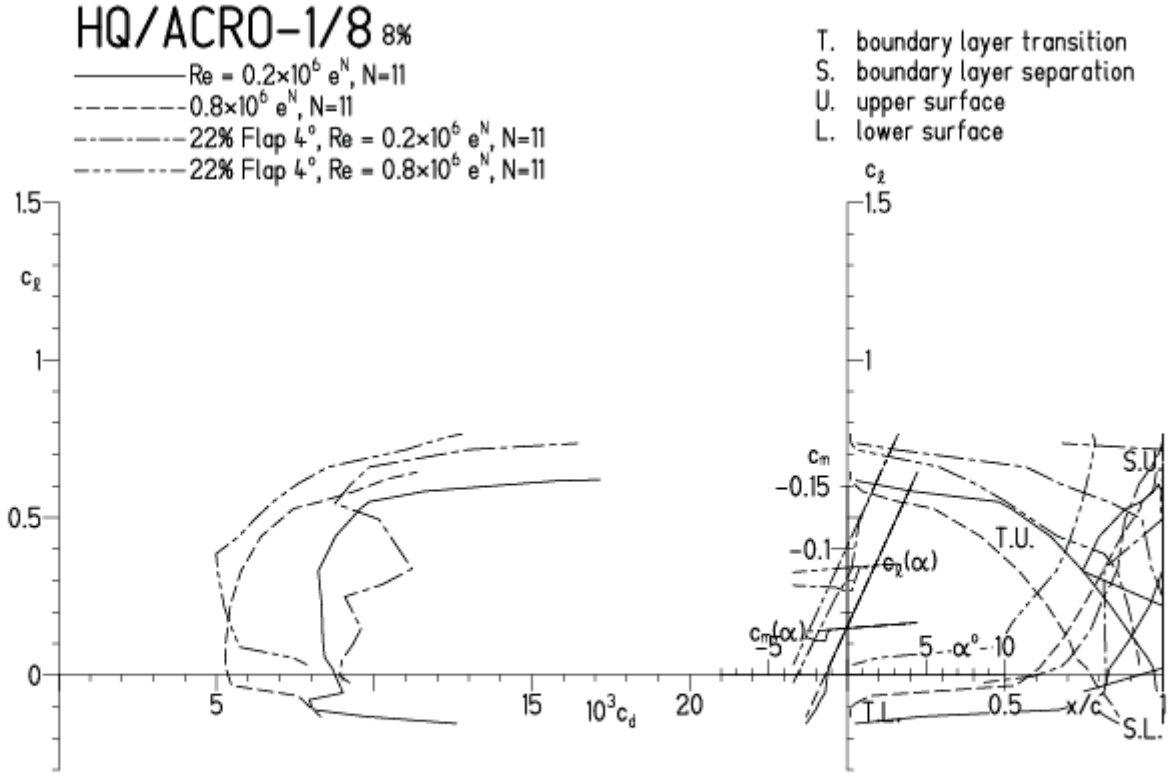

EPPLER 2005 V. 8.5.07 RUN 8.3.12 11:20
HQ/ACRO-1/8 8%
Re = 0.1×10⁶ e^N, N=9
0.2×10⁶ e^N, N=9
0.4×10⁶ e^N, N=9
0.8×10⁶ e^N, N=9
1.6×10⁶ e^N, N=9
c_ℓ
1
0.5
0
-0.5
5
15
10³c_d
20
c_ℓ
1
-0.5
c_m
-0.1
-0.05
c_m(α)
-5
c_ℓ(α)
5
α°
10
S.U.
T.U.
T.L.
0.5
x/c
S.L.

HQ/ACRO-1/8, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:42

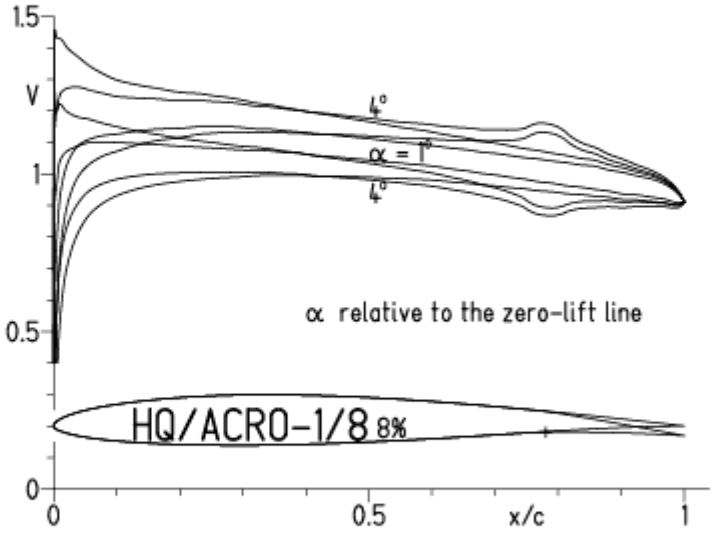


EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:42

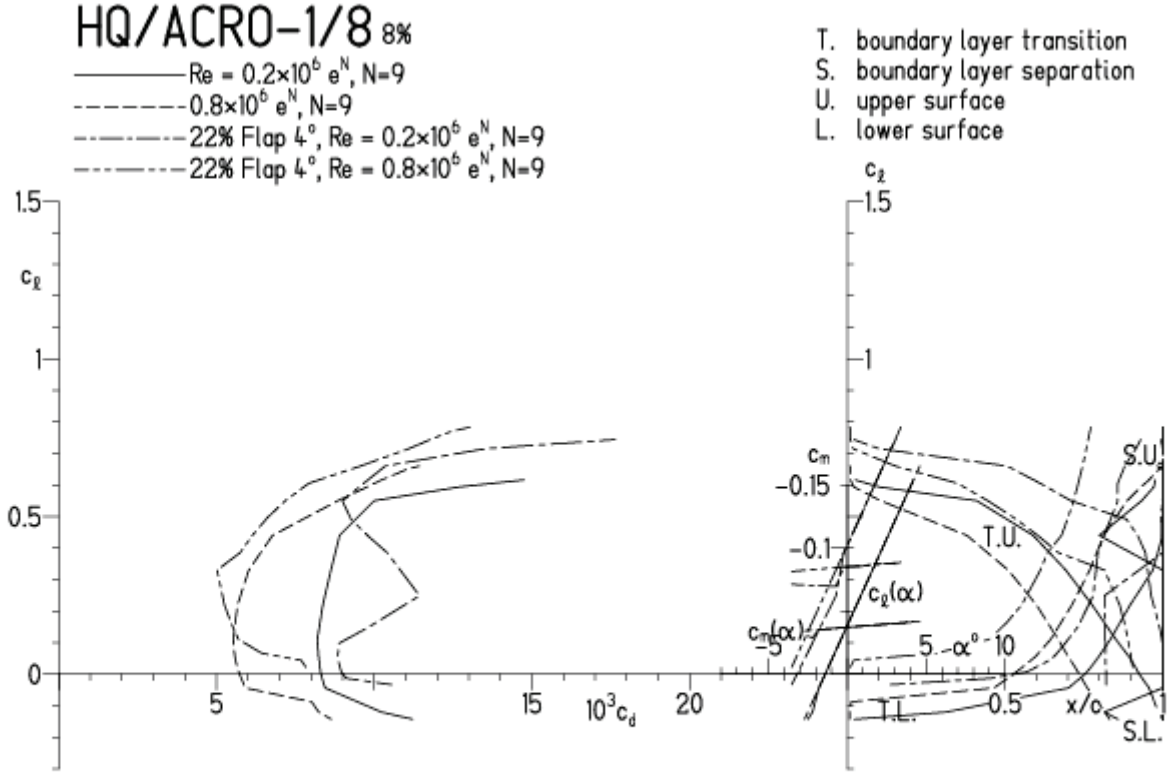


HQ/ACRO-1/8, N=9, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:46

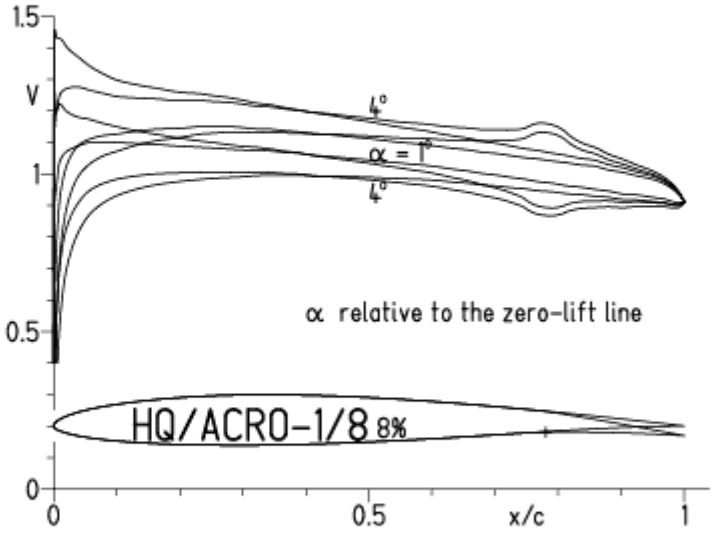


EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:46

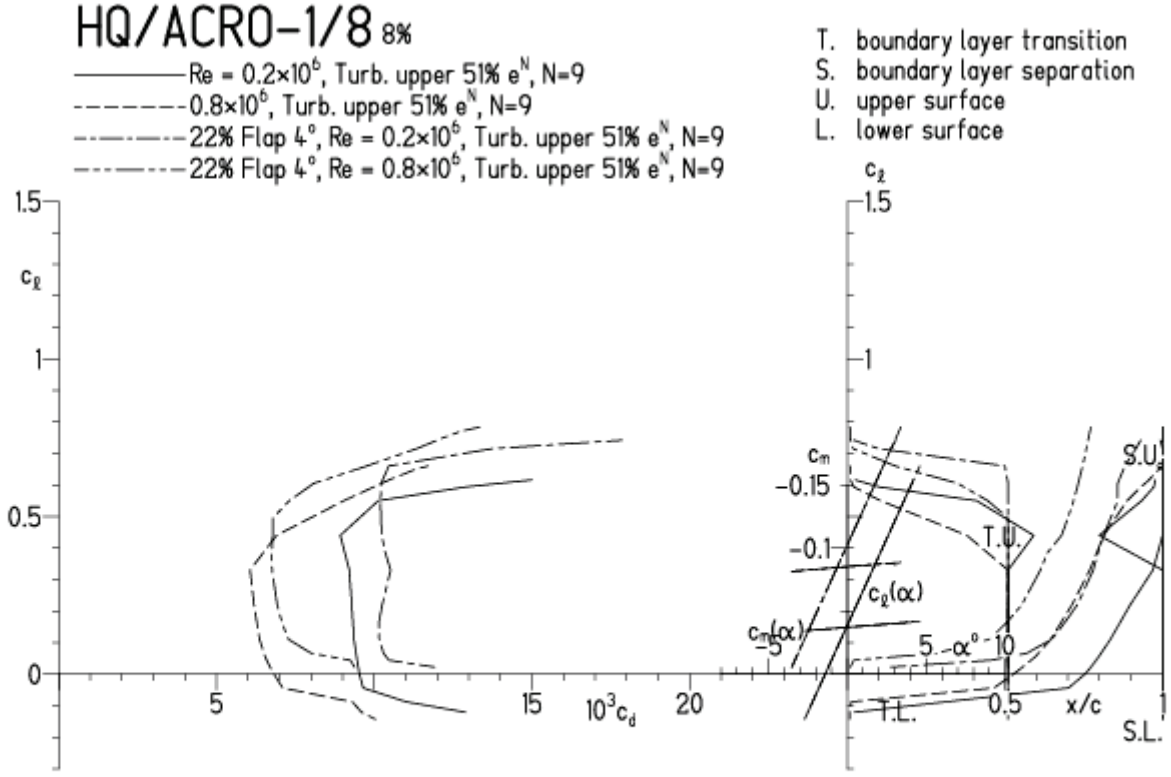


HQ/ACRO-1/8, N=9, mit 4° Wölbklappenausschlag, Turbulatoreffekt
(optimale Turbolatorposition bei 45 – 55 % der Profiltiefe)

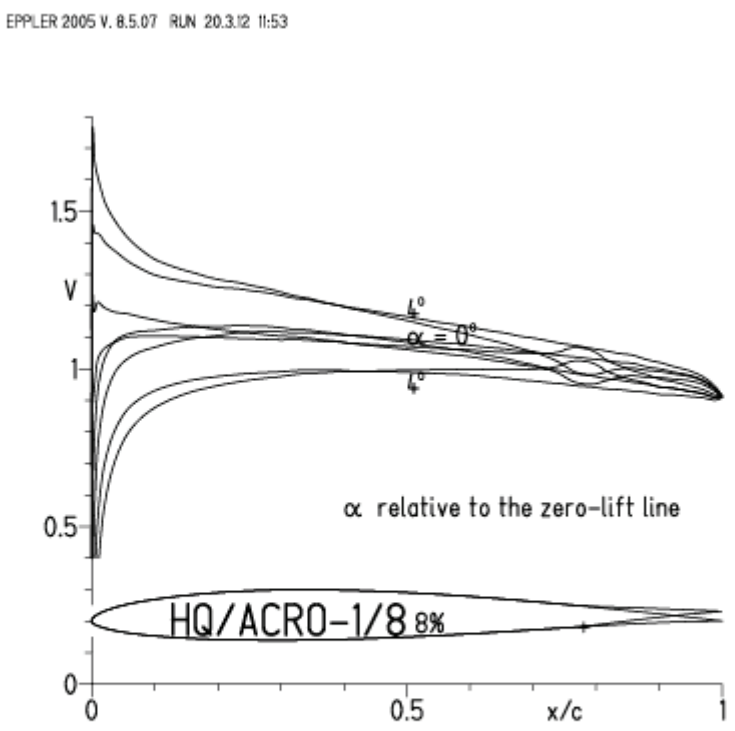
EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:50

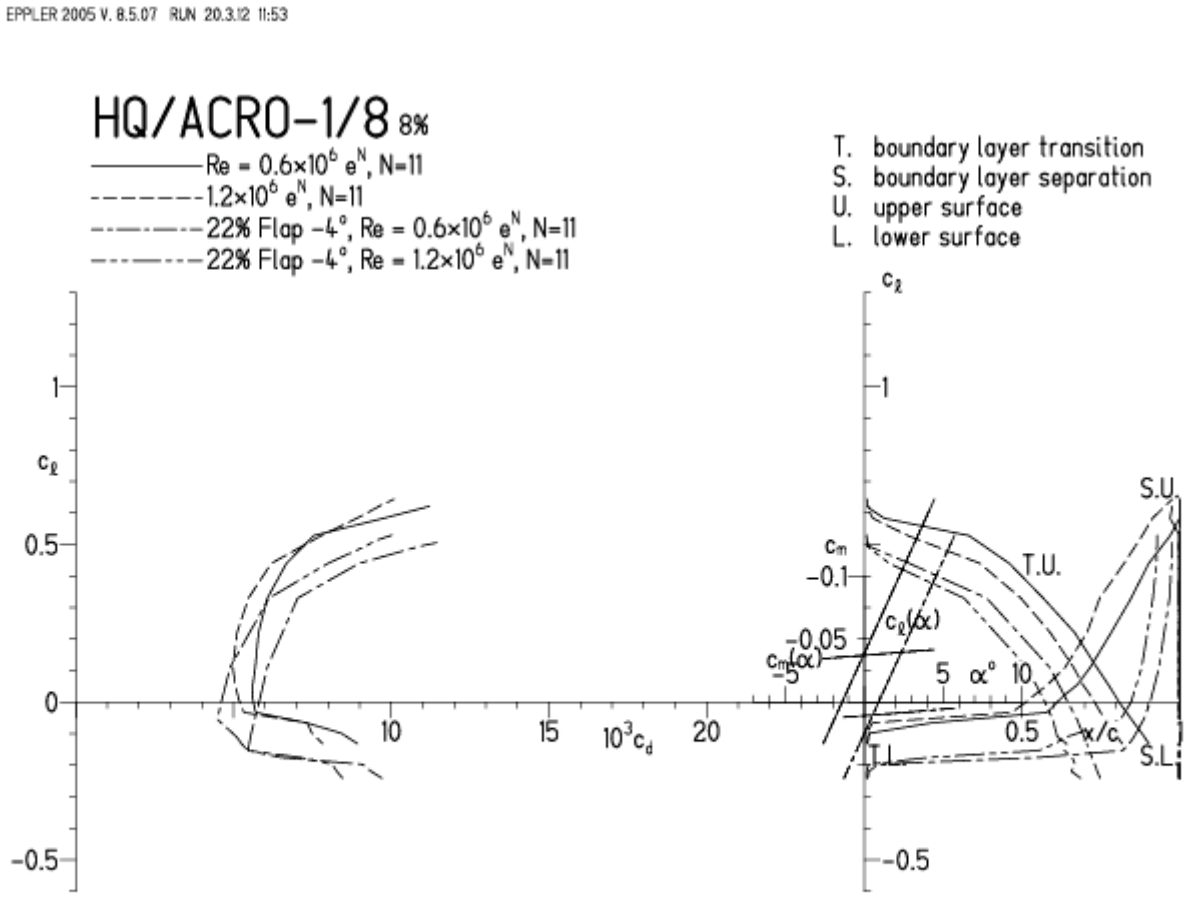


EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:50

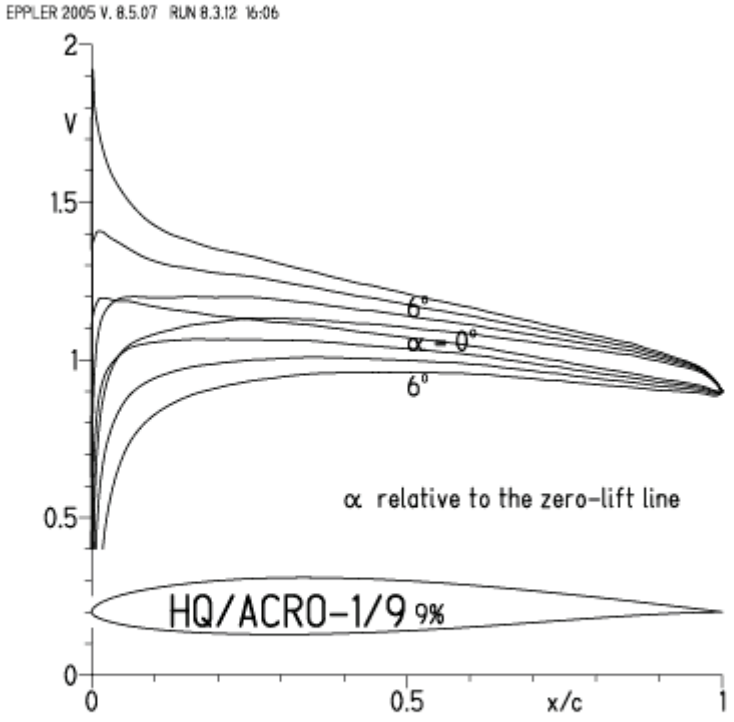


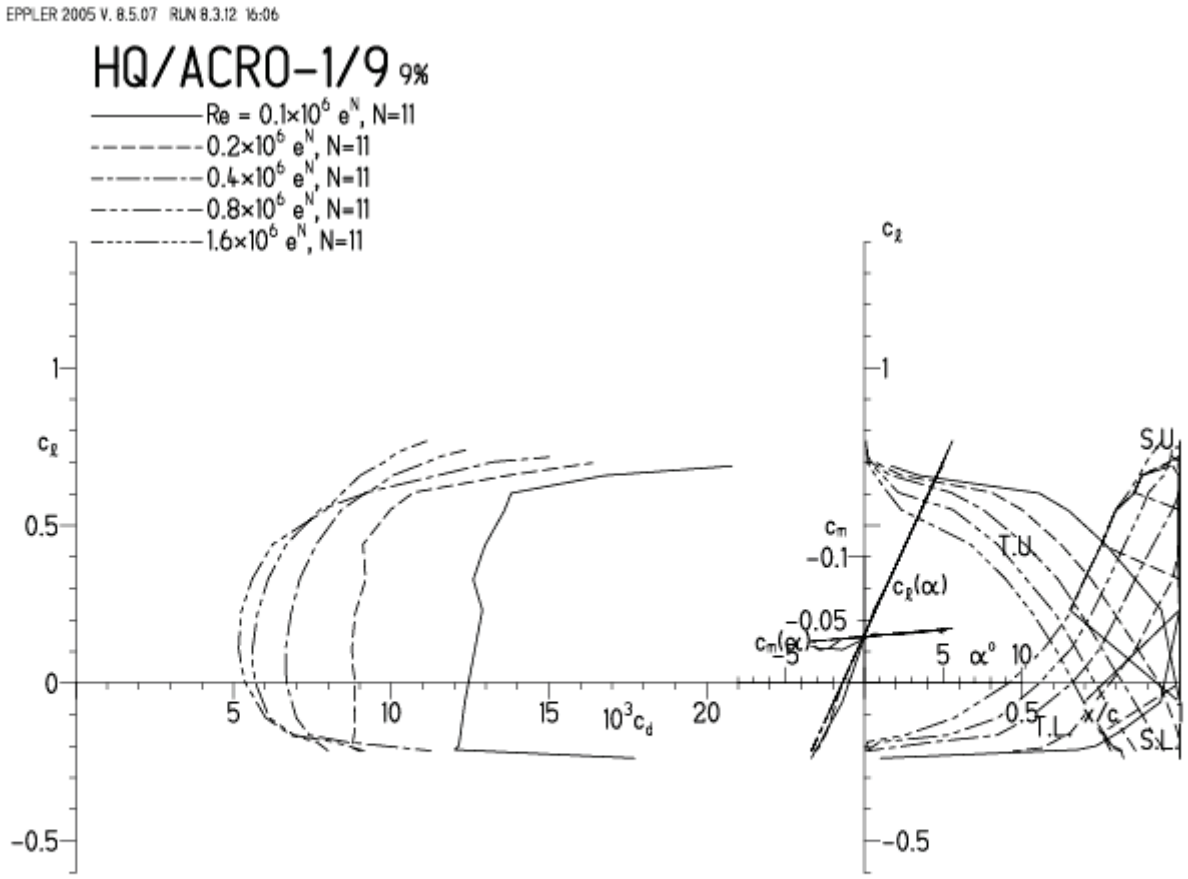
HQ/ACRO-1/8, N=11, mit -4° Wölbklappenausschlag (Schnellflug)



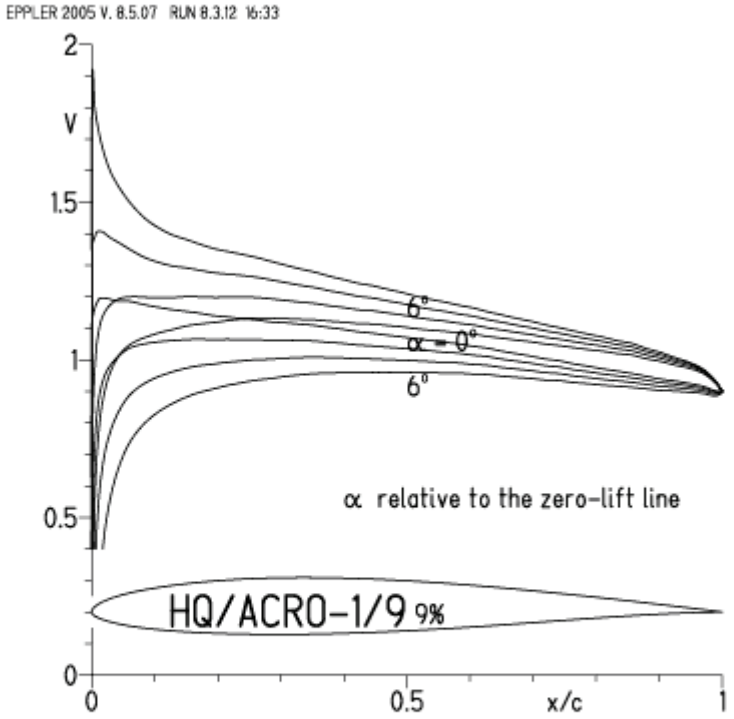


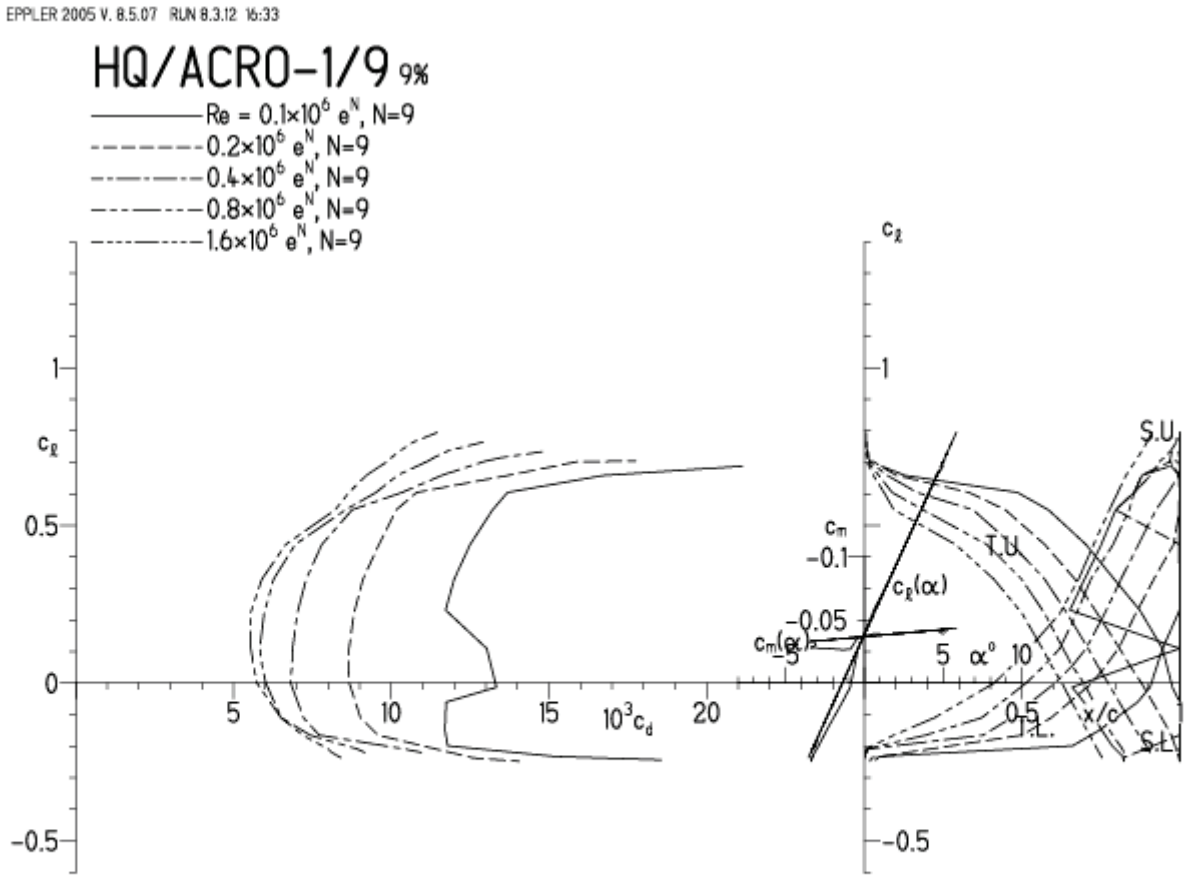
HQ/ACRO-1/9, N=11





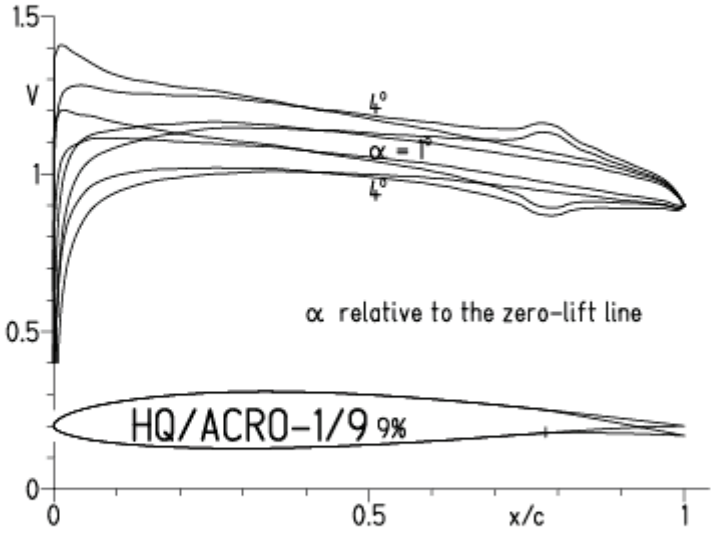
HQ/ACRO-1/9, N=9


EPPLER 2005 V. 8.5.07 RUN 8.3.12 16:33
V
6°
α = 0°
6°
α relative to the zero-lift line
HQ/ACRO-1/9 9%
x/c

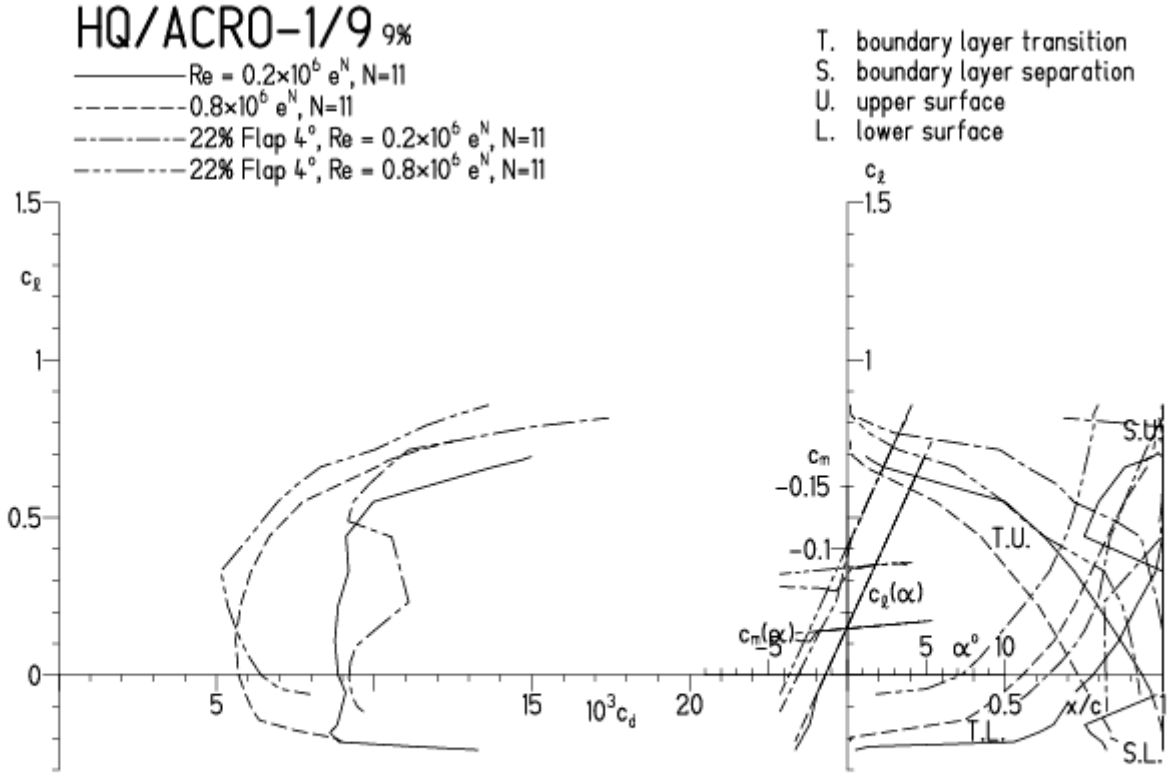

EPPLER 2005 V. 8.5.07 RUN 8.3.12 16:33
HQ/ACRO-1/9 9%
Re = 0.1×10⁶ e^N, N=9
0.2×10⁶ e^N, N=9
0.4×10⁶ e^N, N=9
0.8×10⁶ e^N, N=9
1.6×10⁶ e^N, N=9
c_l
10³c_d
c_m
c_l(α)
c_m(α)
α°
T.U.
T.L.
S.U.
S.L.
x/c

HQ/ACRO-1/9, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:58

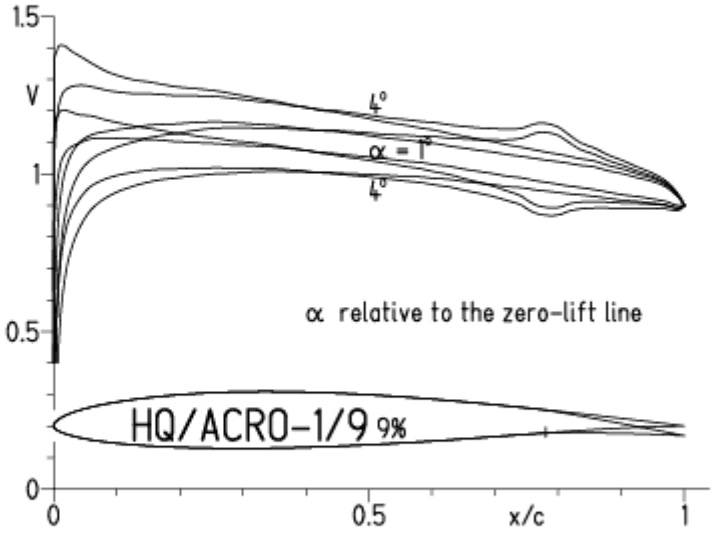


EPPLER 2005 V. 8.5.07 RUN 20.3.12 11:58

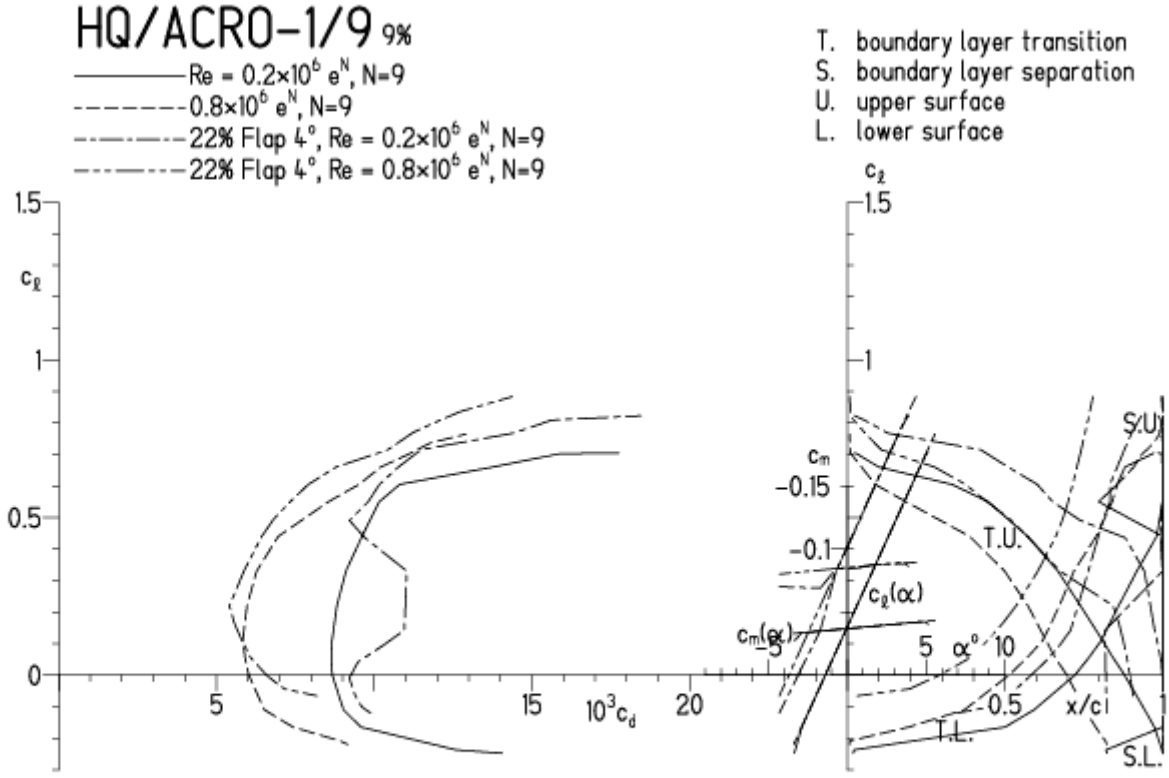


HQ/ACRO-1/9, N=9, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:01

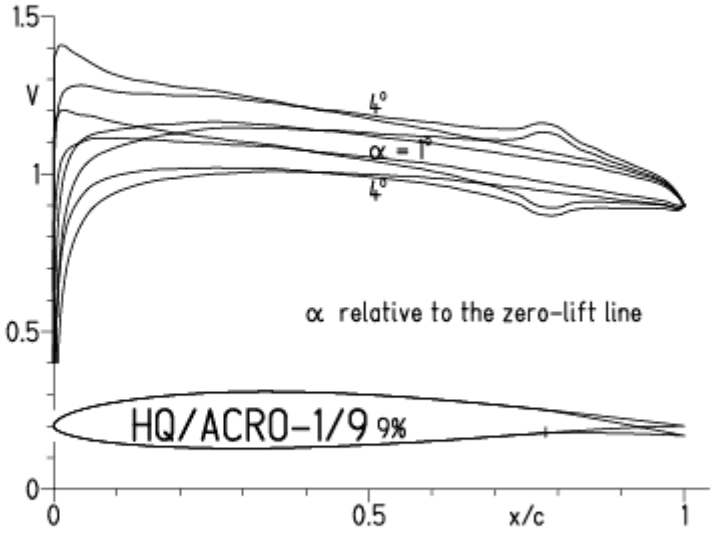


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:01

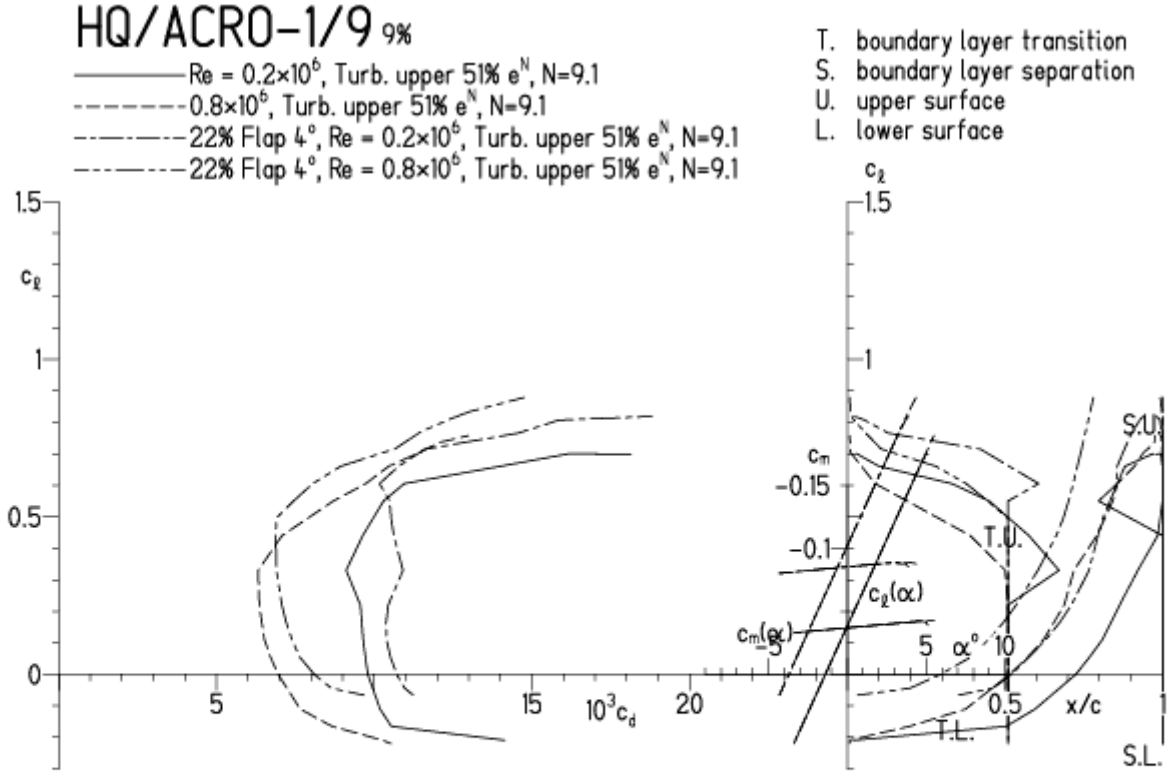


HQ/ACRO-1/9, N=9, mit 4° Wölbklappenausschlag, Turbulatoreffekt
(optimale Turbolatorposition bei 45 – 55 % der Profiltiefe)

EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:06

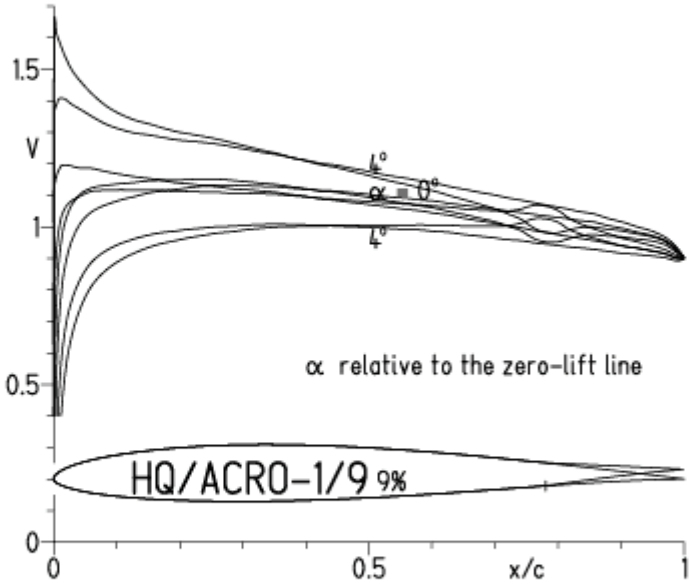


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:06

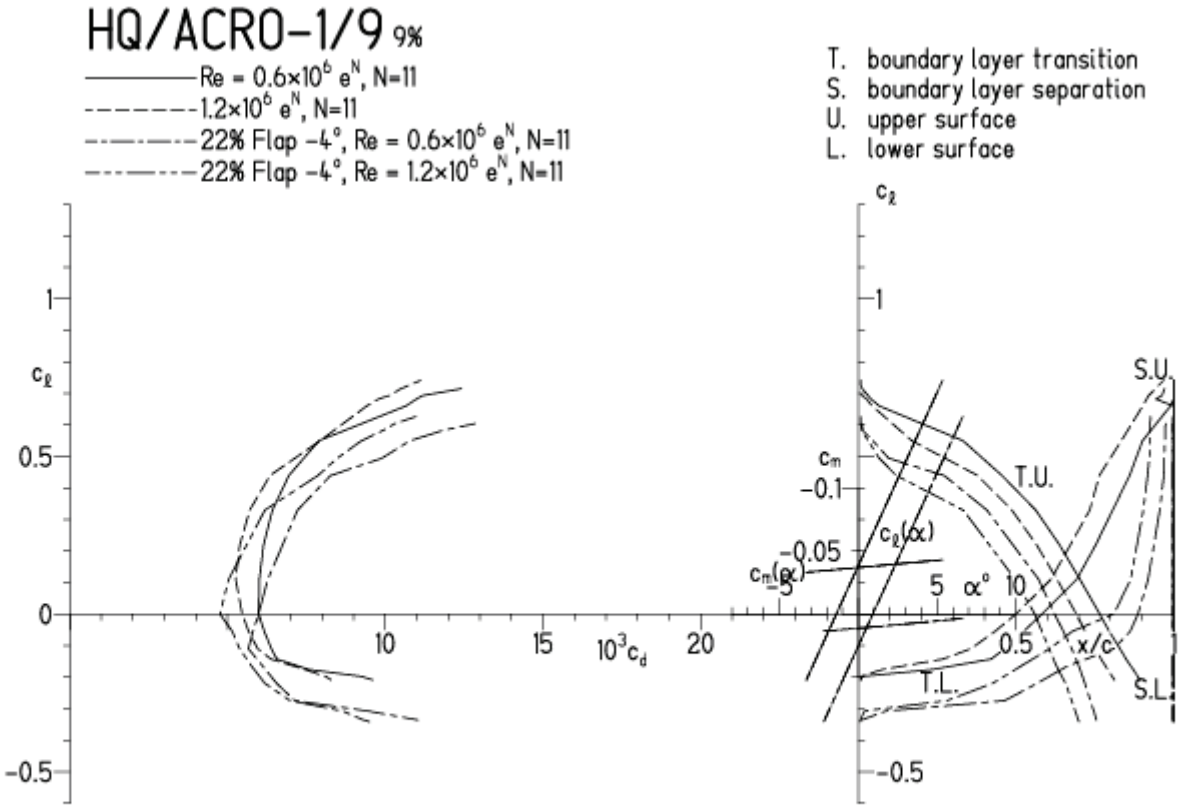


HQ/ACRO-1/9, N=11, mit -4° Wölbklappenausschlag (Schnellflug)

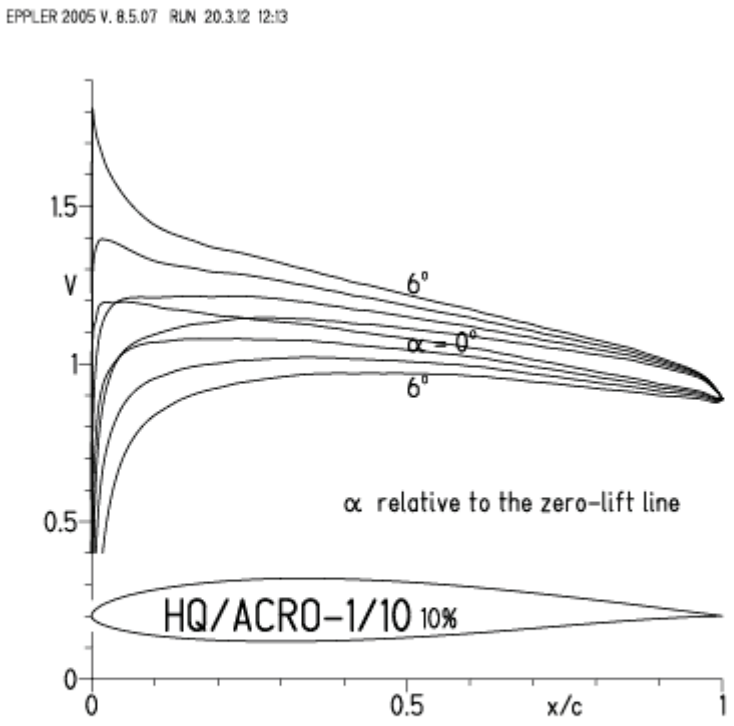
EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:09

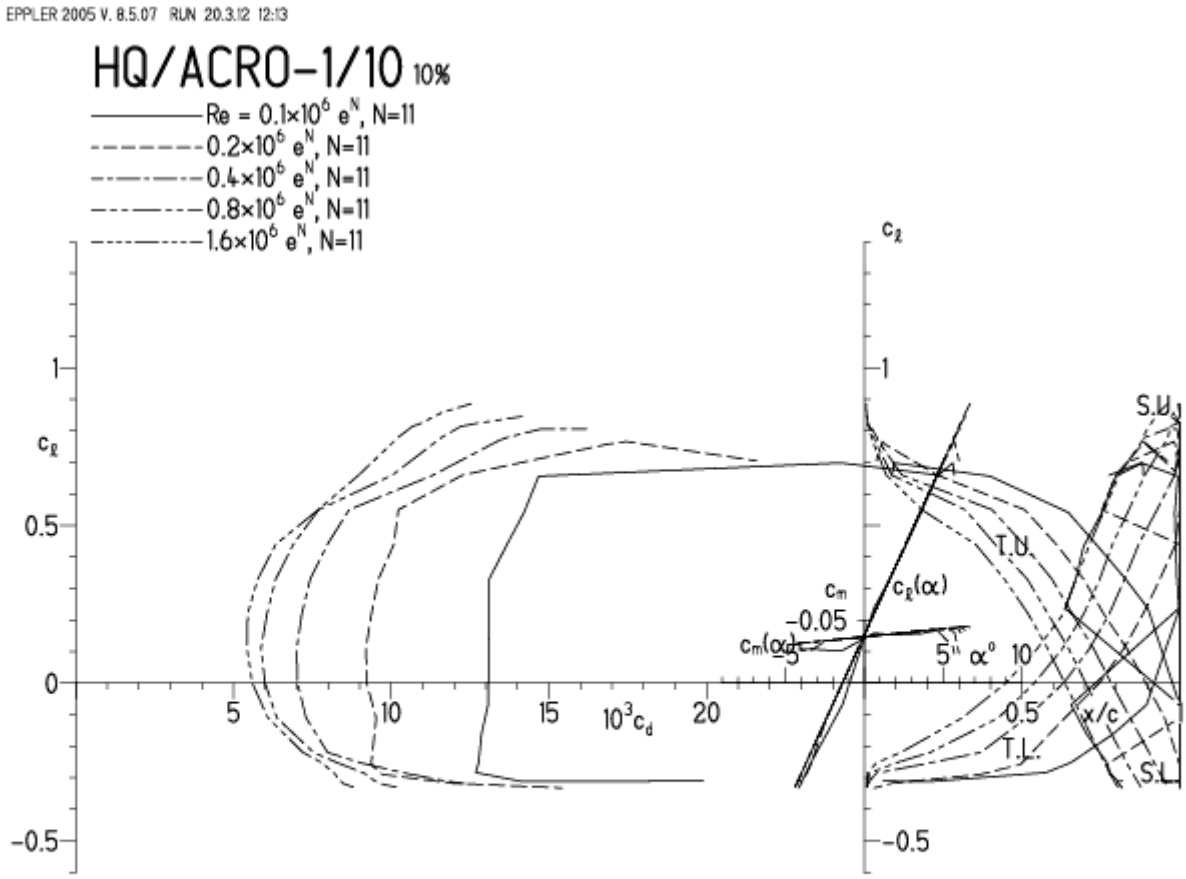


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:09

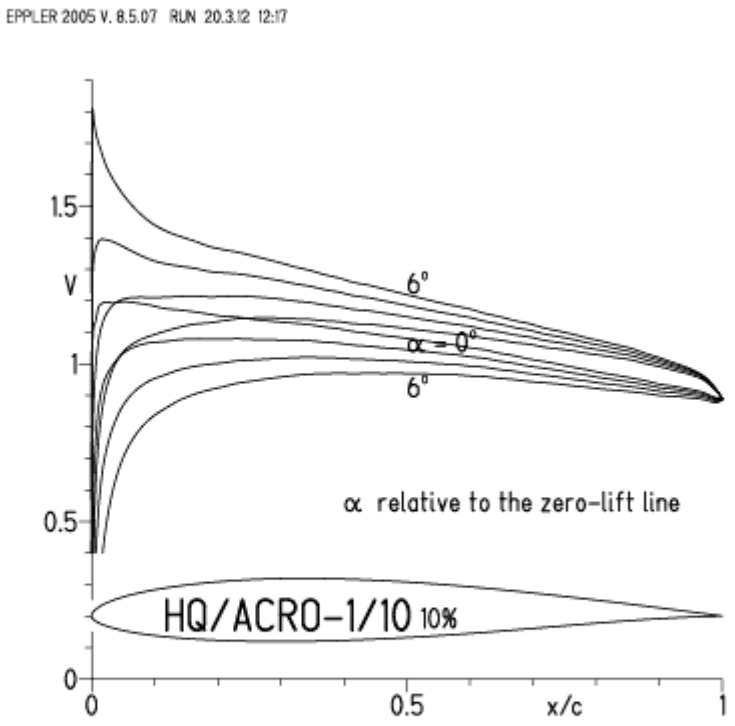


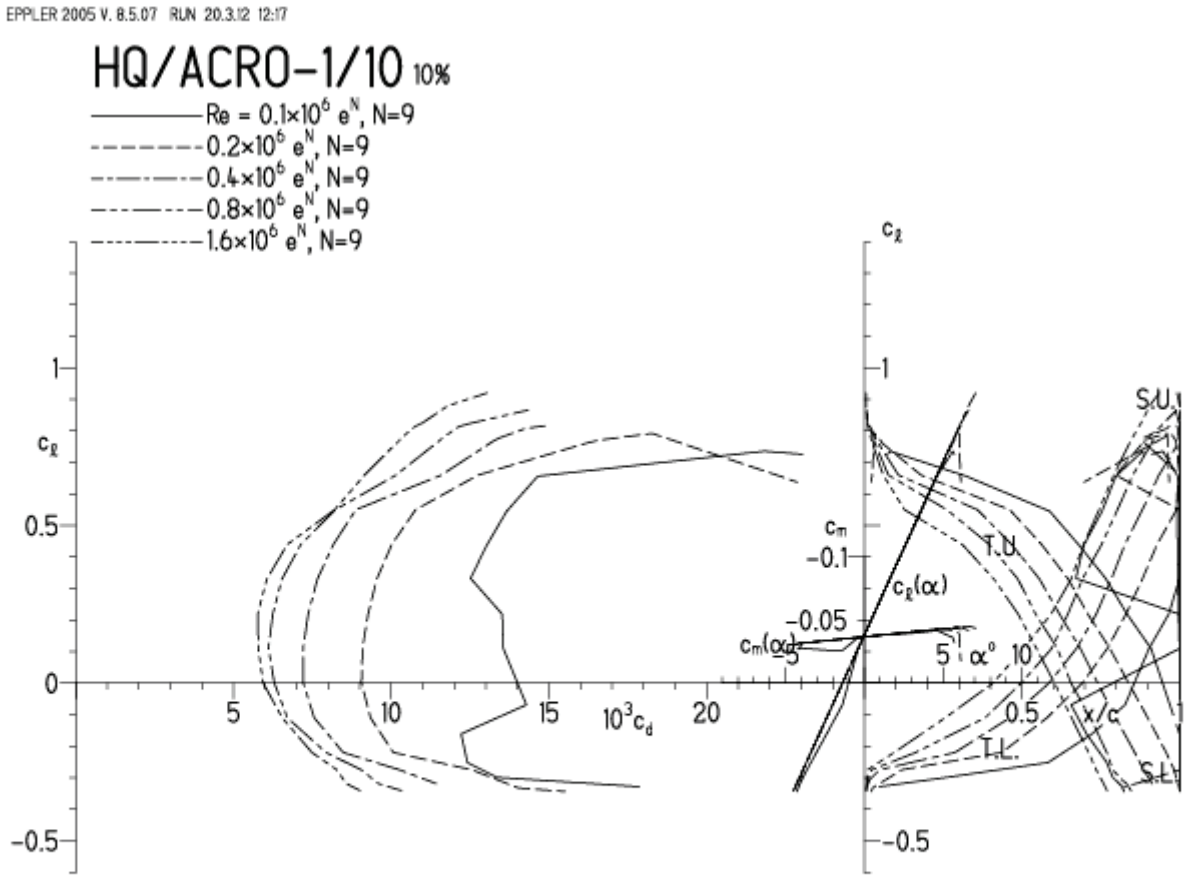
HQ/ACRO-1/10, N=11





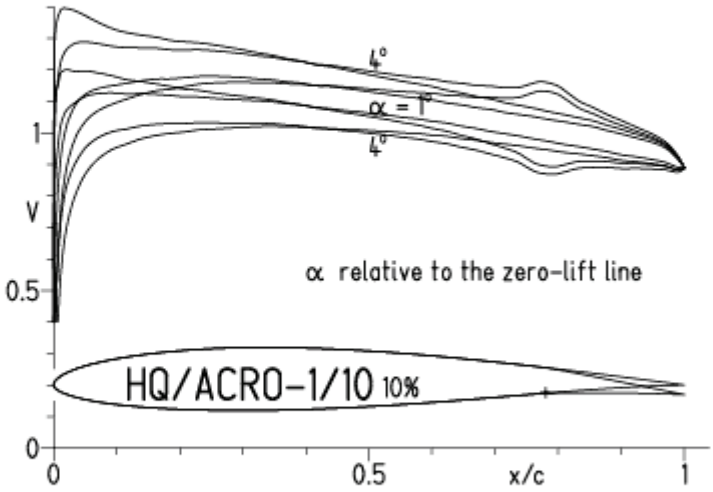
HQ/ACRO-1/10, N=9



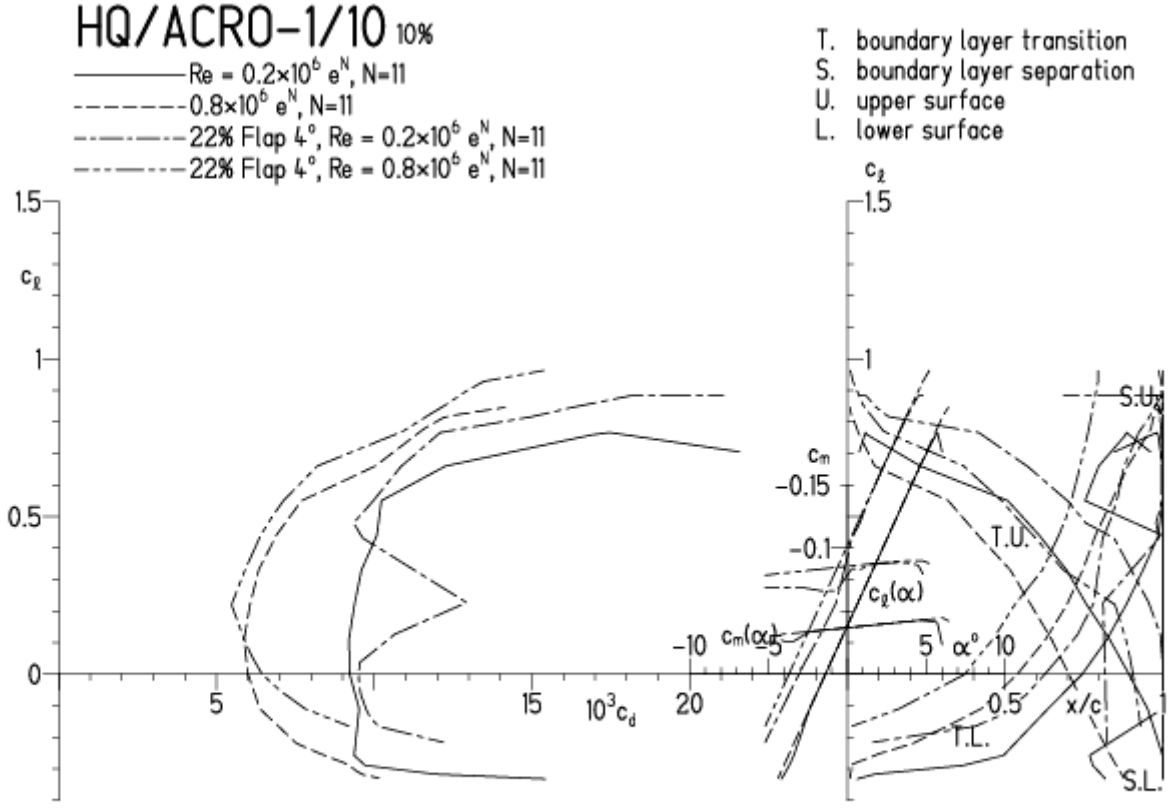


HQ/ACRO-1/10, N=11, mit 4° Wölbklappenausschlag

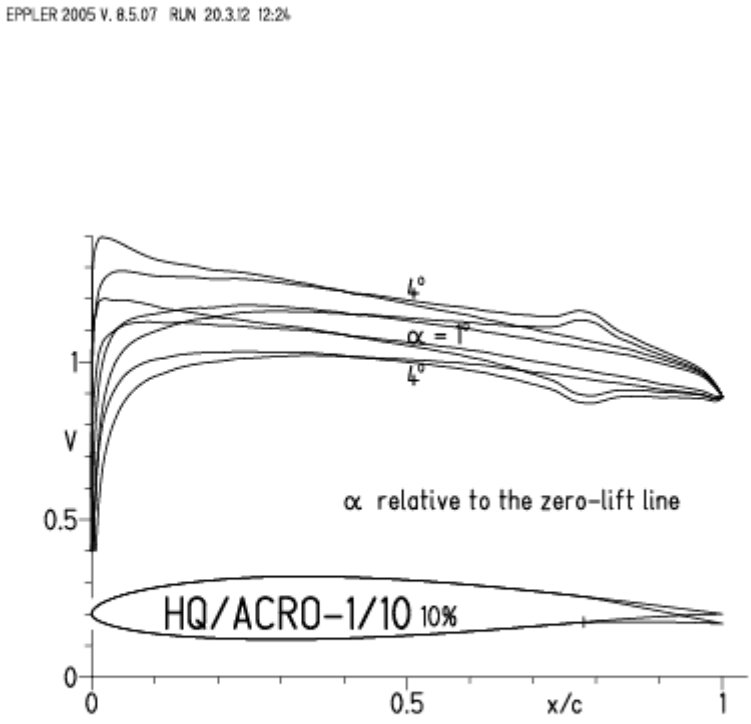
EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:19

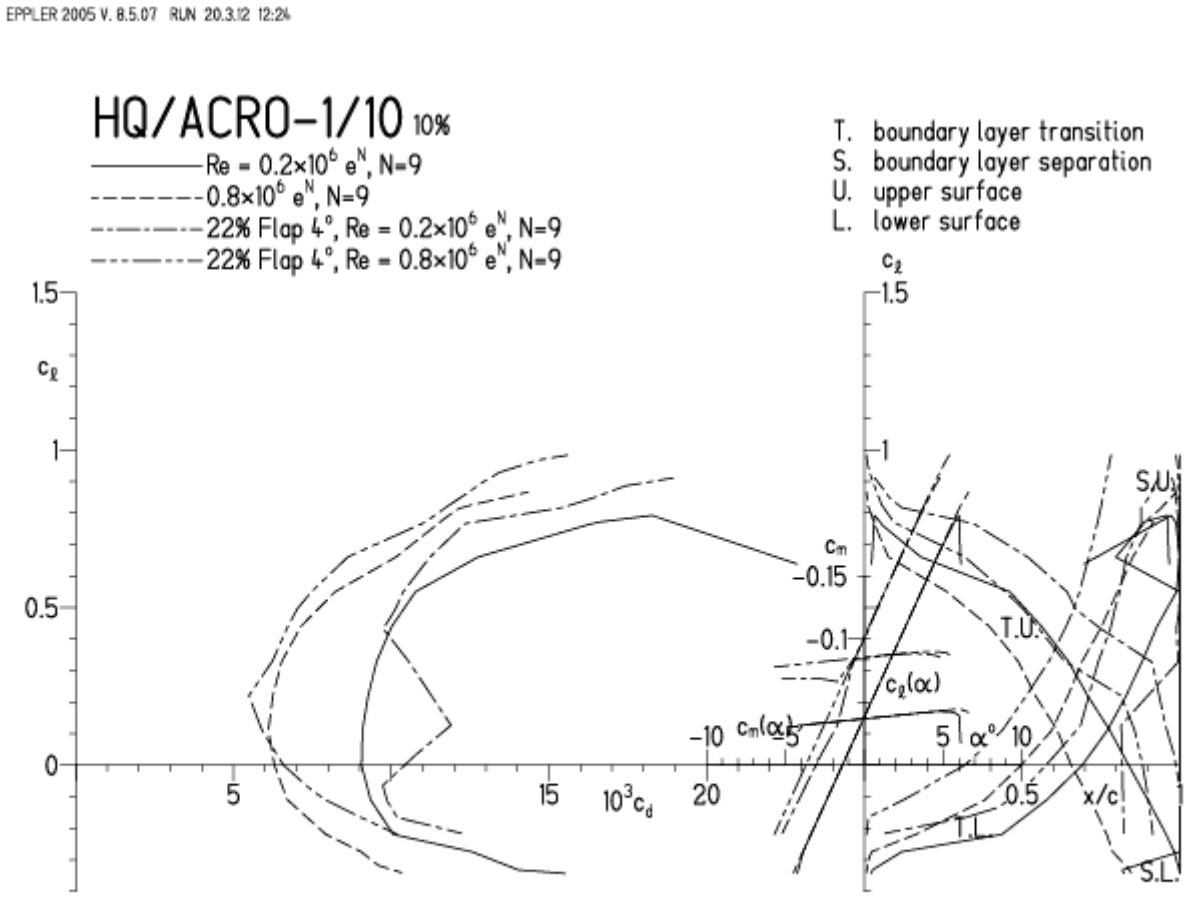


EPPLER 2005 V. 8.5.07 RUN 2

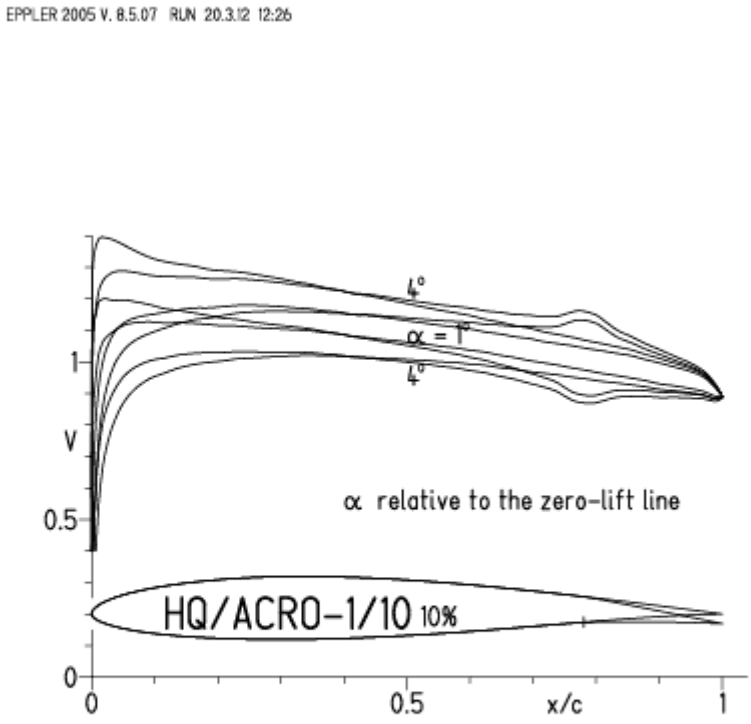


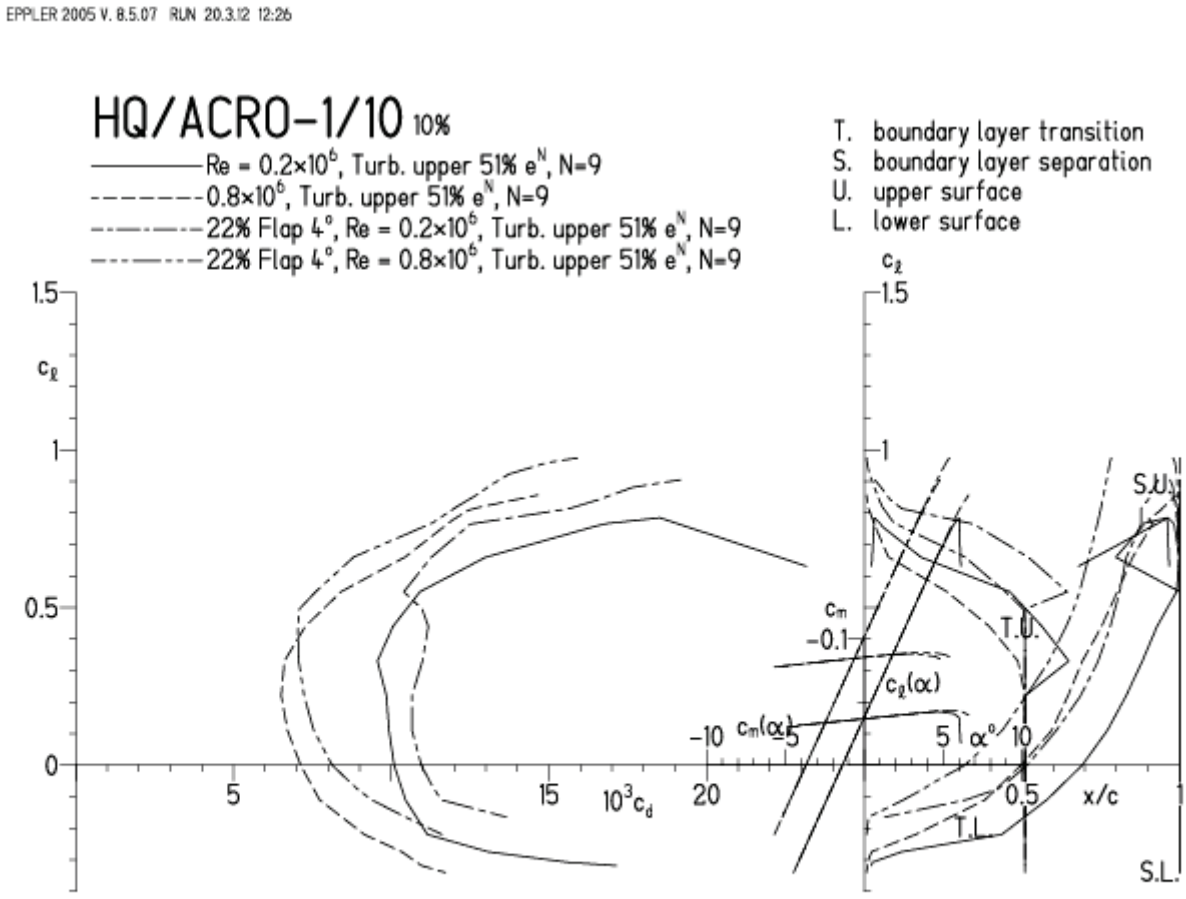
HQ/ACRO-1/10, N=9, mit 4° Wölbklappenausschlag





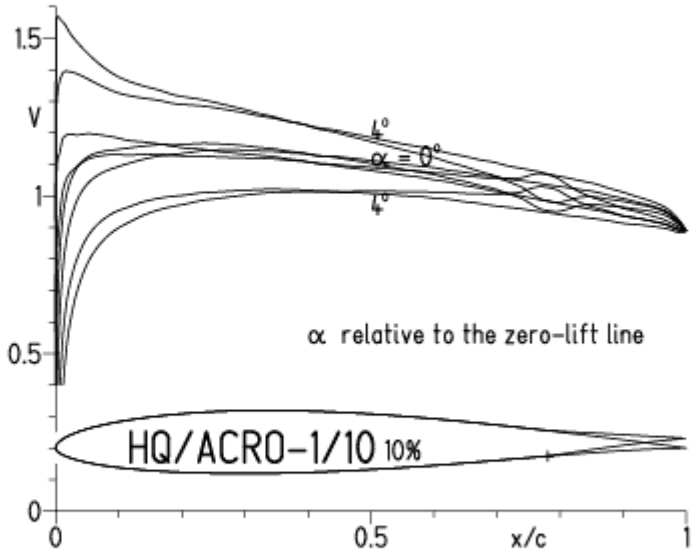
HQ/ACRO-1/10, N=9, mit 5° Wölbklappenausschlag, Turbulatoreffekt
(optimale Turbulatorposition bei 45 - 55 % der Profiltiefe)



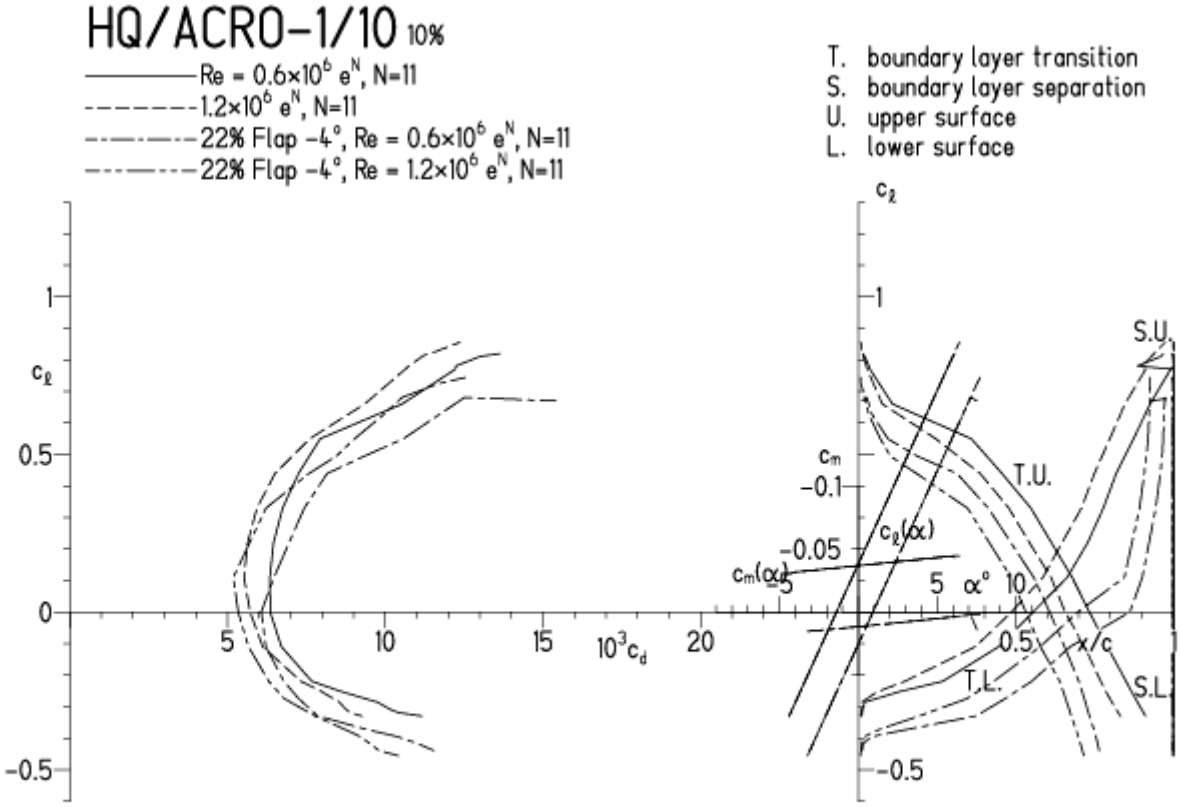


HQ/ACRO-1/10, N=11, mit -4° Wölbklappenausschlag (Schnellflug)

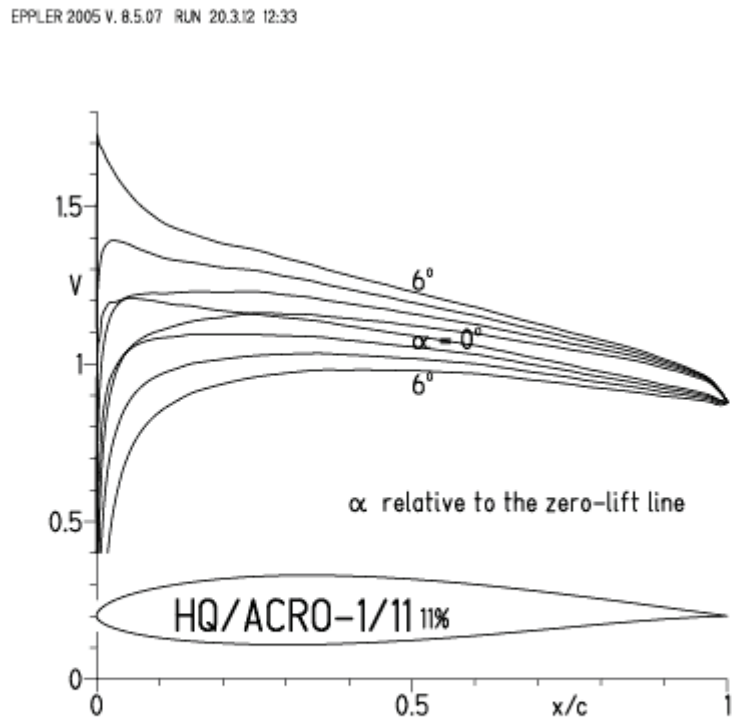
EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:30

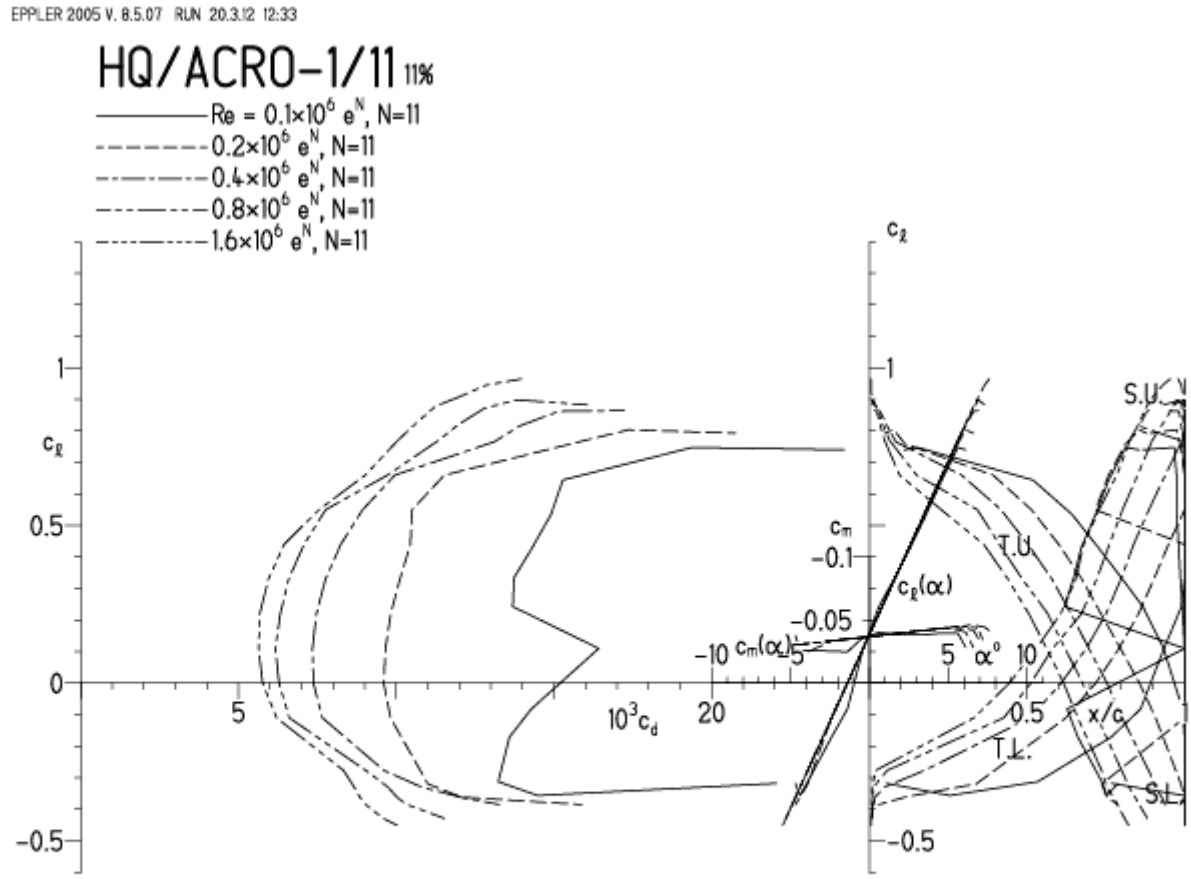


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:30



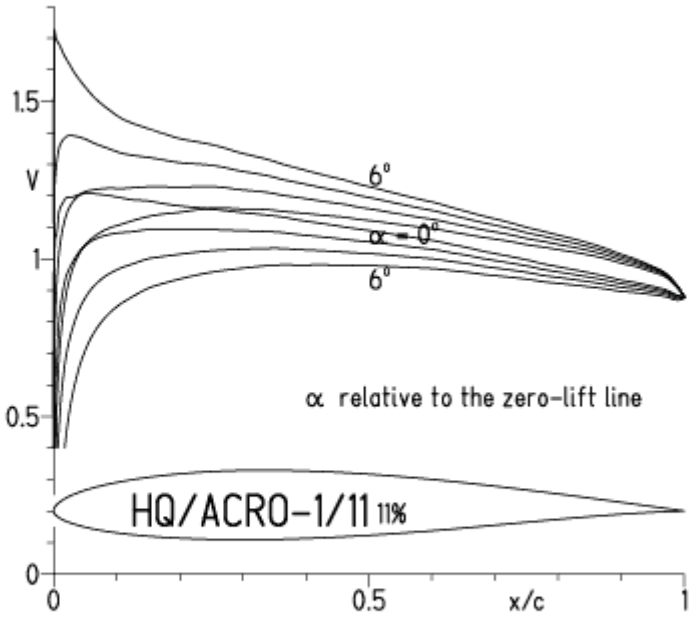
HQ/ACRO-1/11, N=11



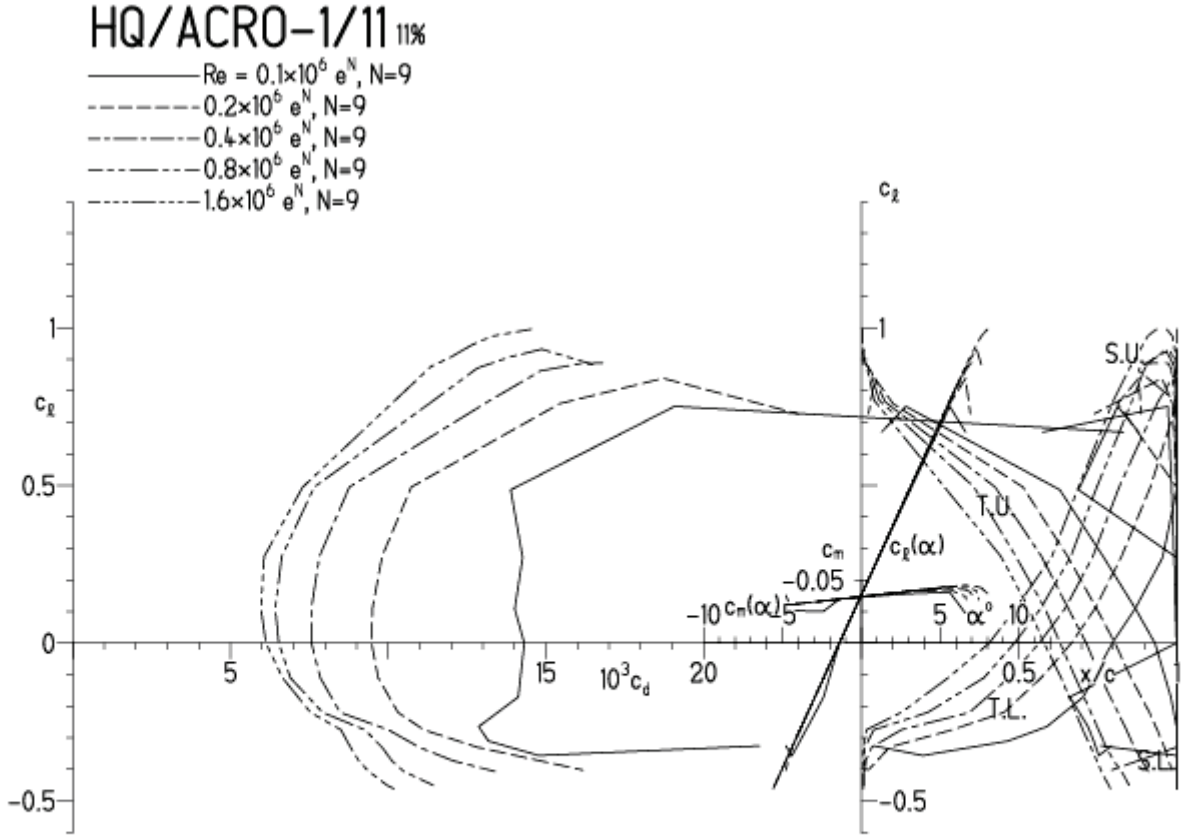


HQ/ACRO-1/11, N=9

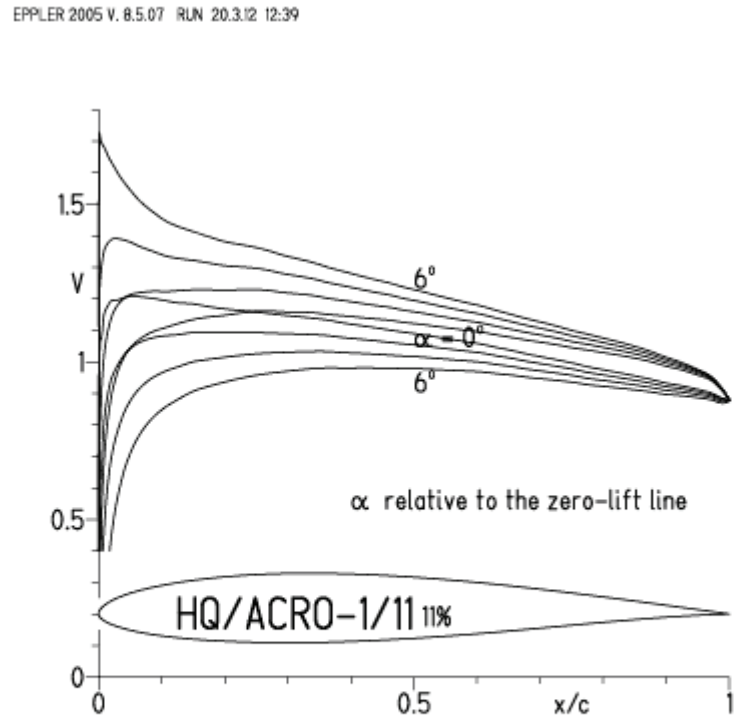
EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:36

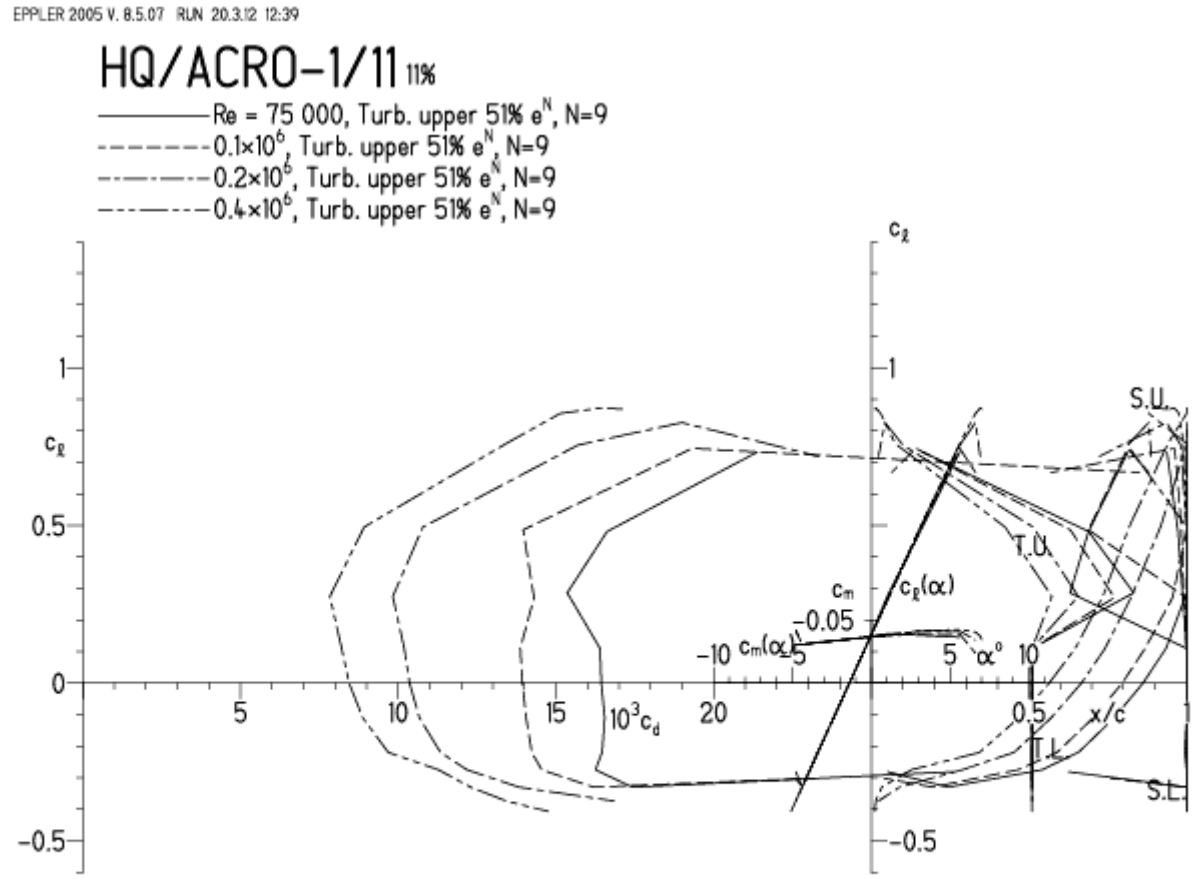


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:36



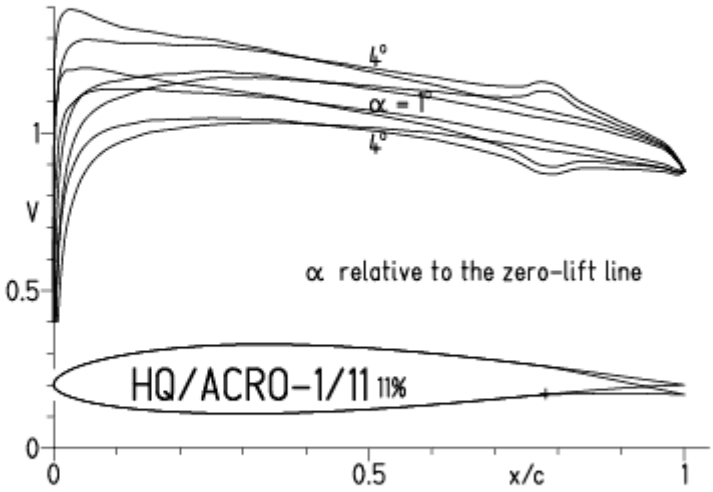
HQ/ACRO-1/11, N=9, Turbulatoreffekt bei niedrigen Re-Zahlen
(optimale Turbulatorposition bei 45 - 55% der Profiltiefe)



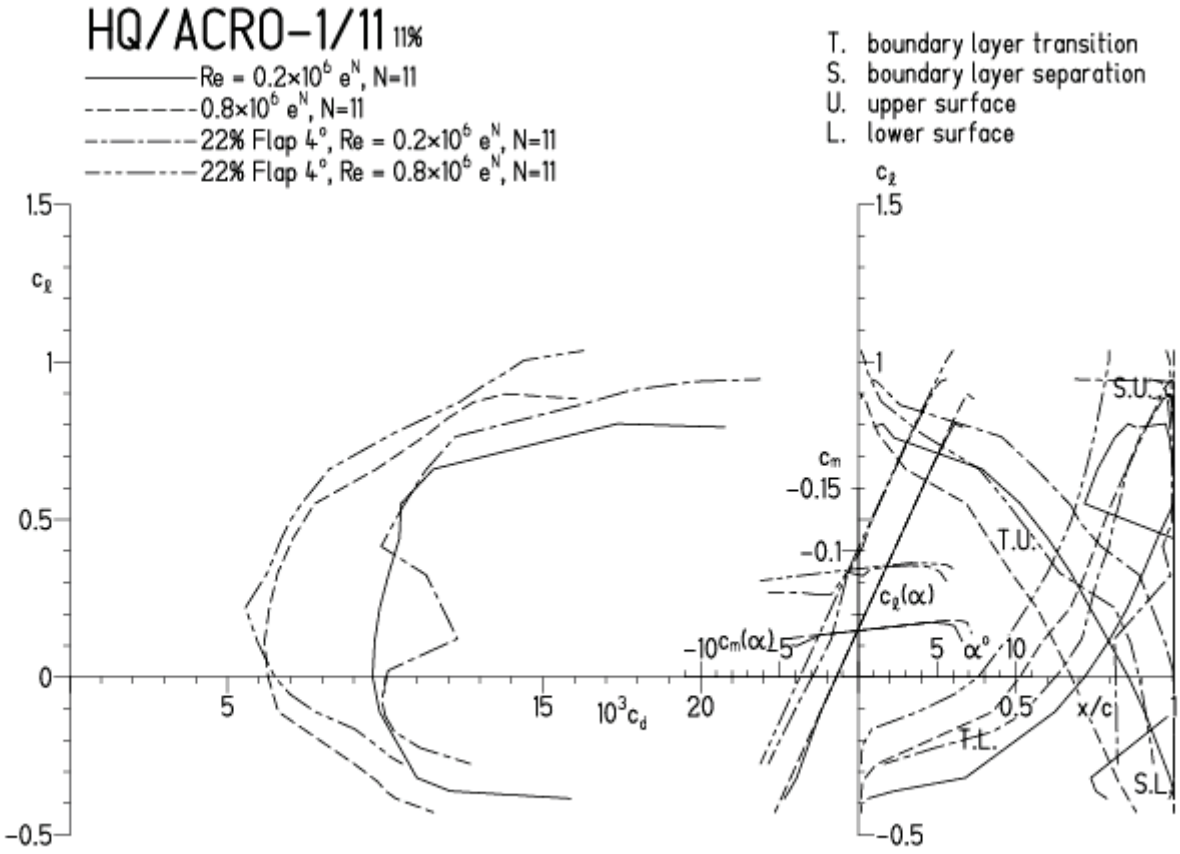


HQ/ACRO-1/11, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:42

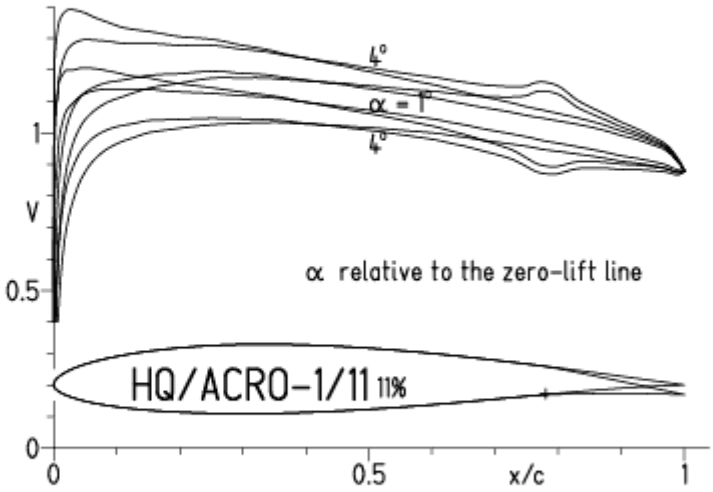


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:42

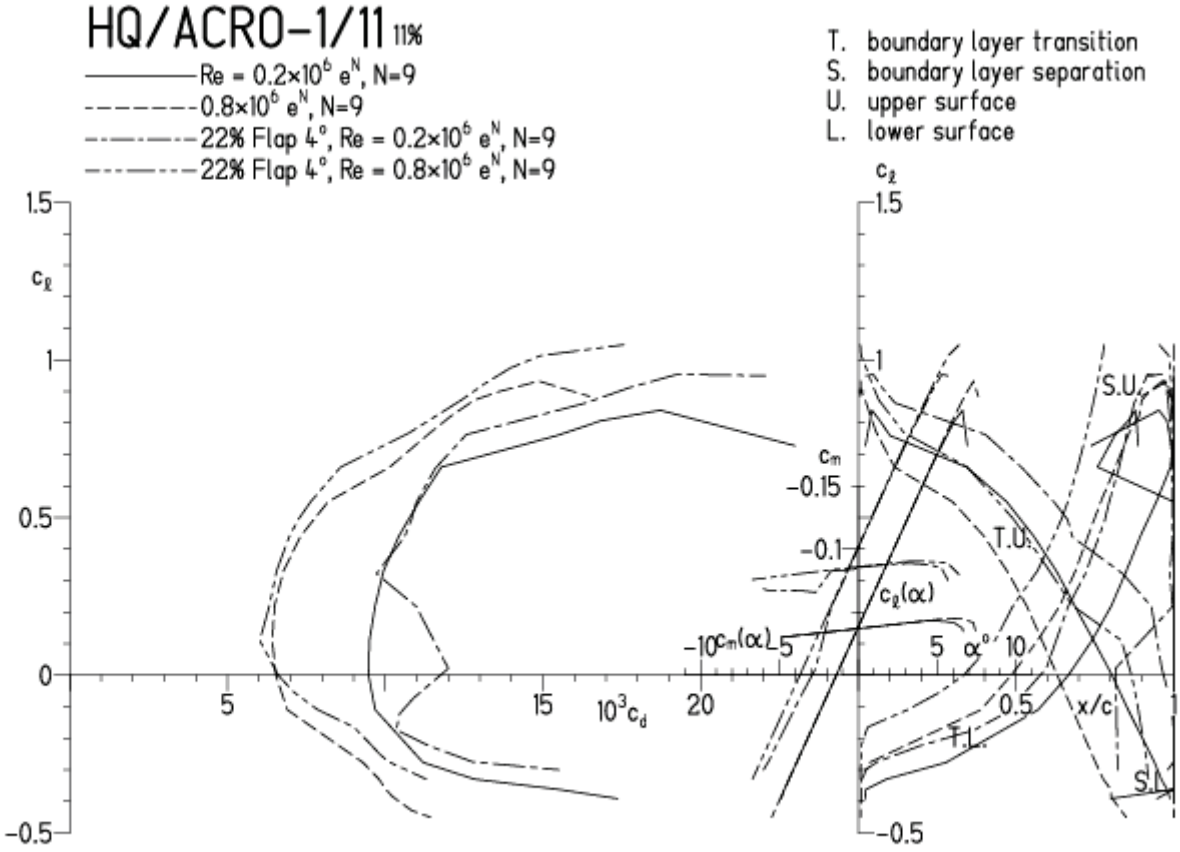


HQ/ACRO-1/11, N=9, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:45

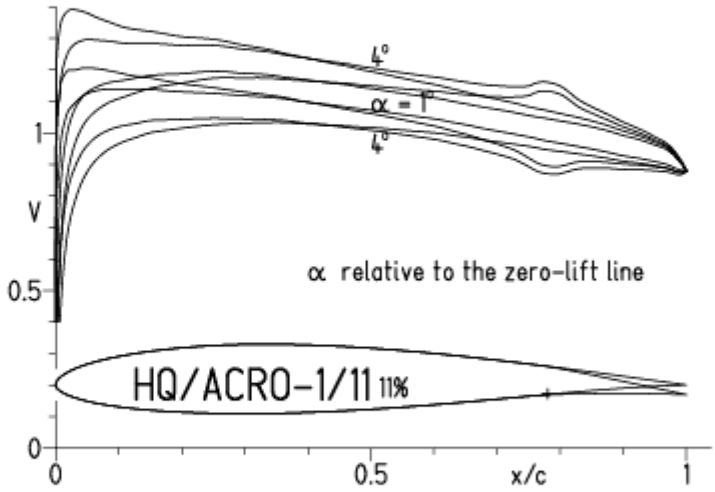


EPPLER 2005 V. 8.5.07 RUN 20.3.1

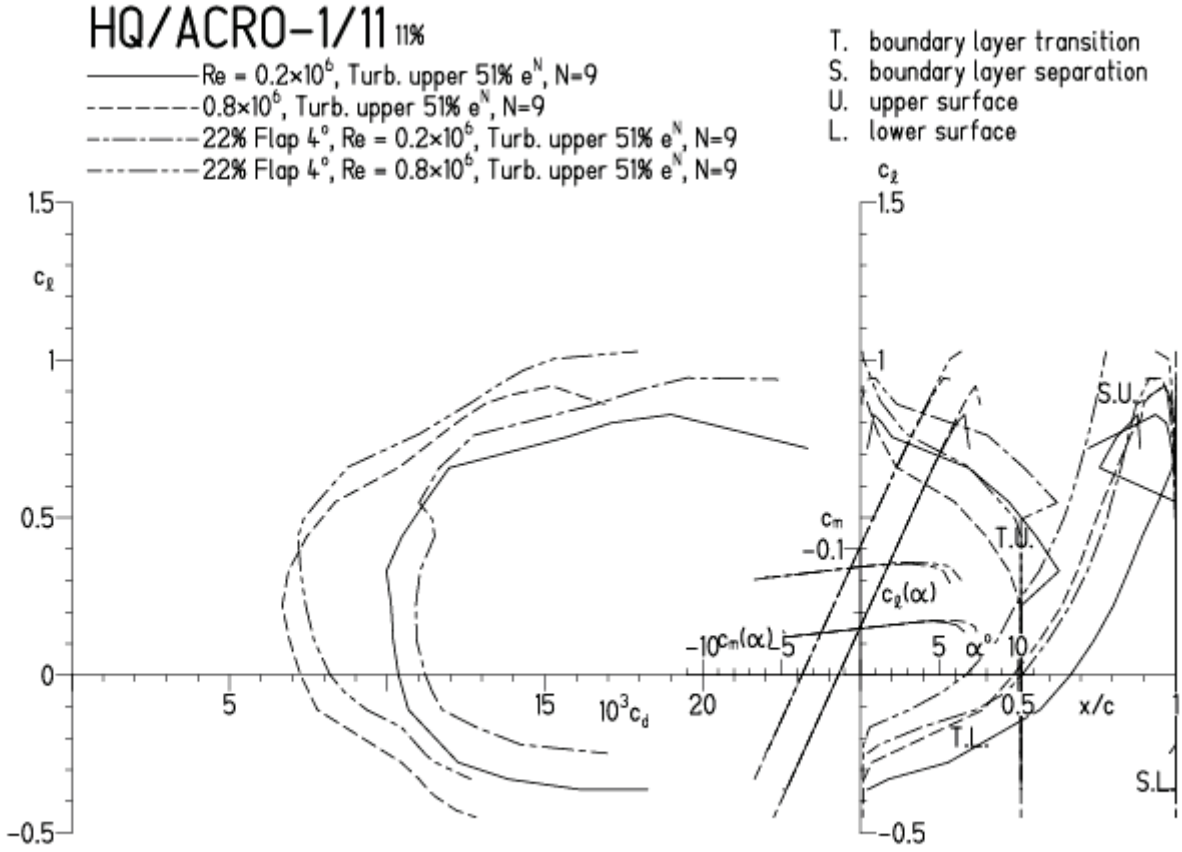


HQ/ACRO-1/11, N=9, mit 4° Wölbklappenausschlag, Turbulatoreffekt
(optimale Turbulatorposition bei 45 - 55 % der Profiltiefe)

EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:47

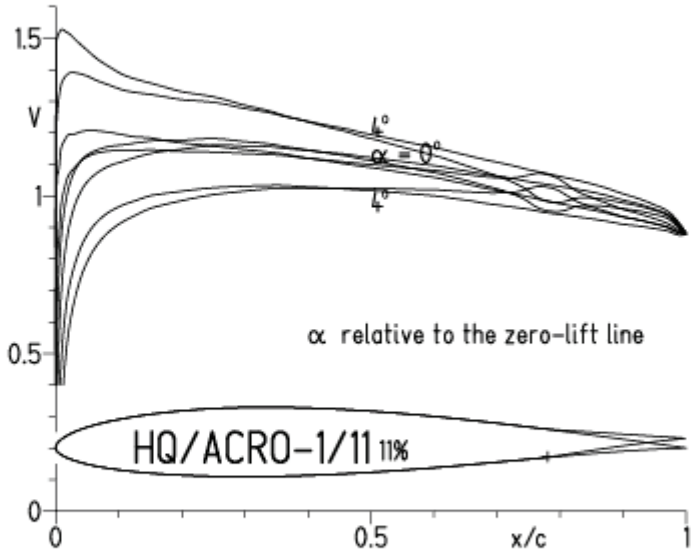


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:47

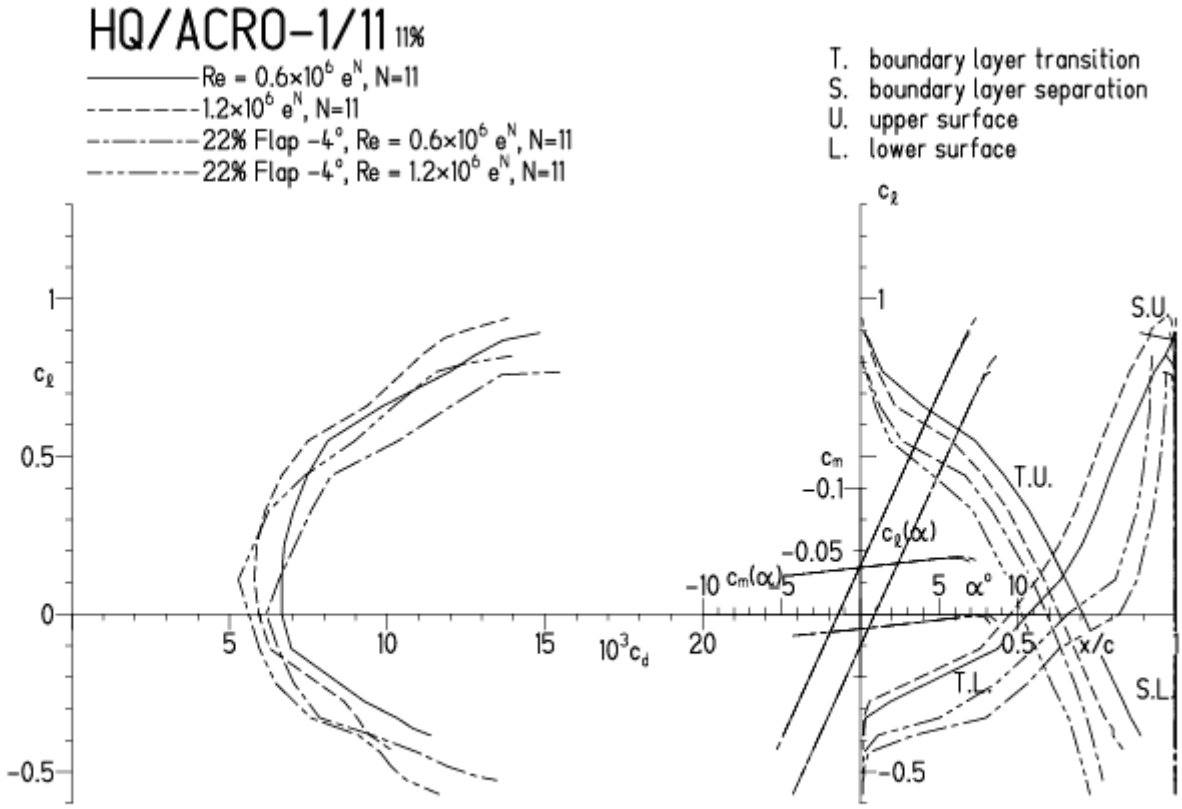


HQ/ACRO-1/11, N=11, mit -4° Wölbklappenausschlag (Schnellflug)

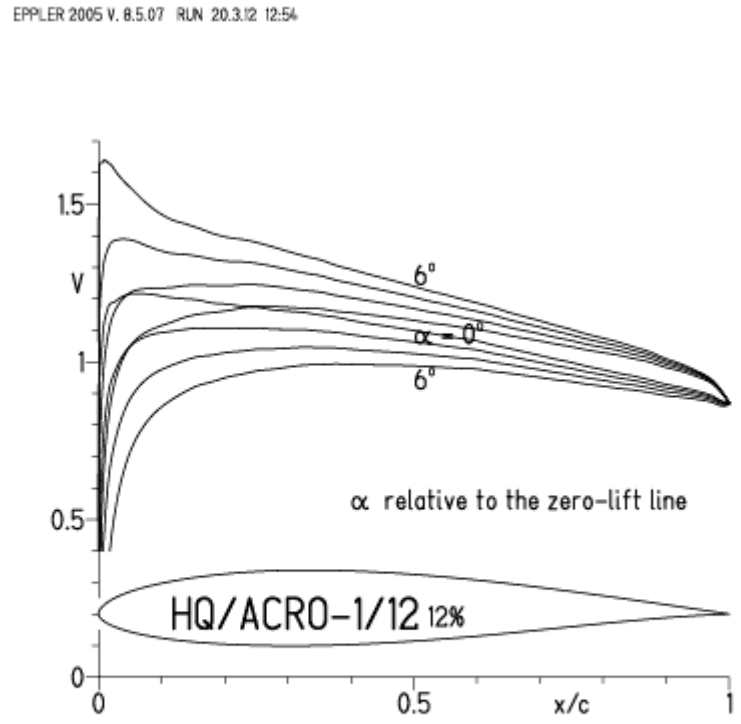
EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:51

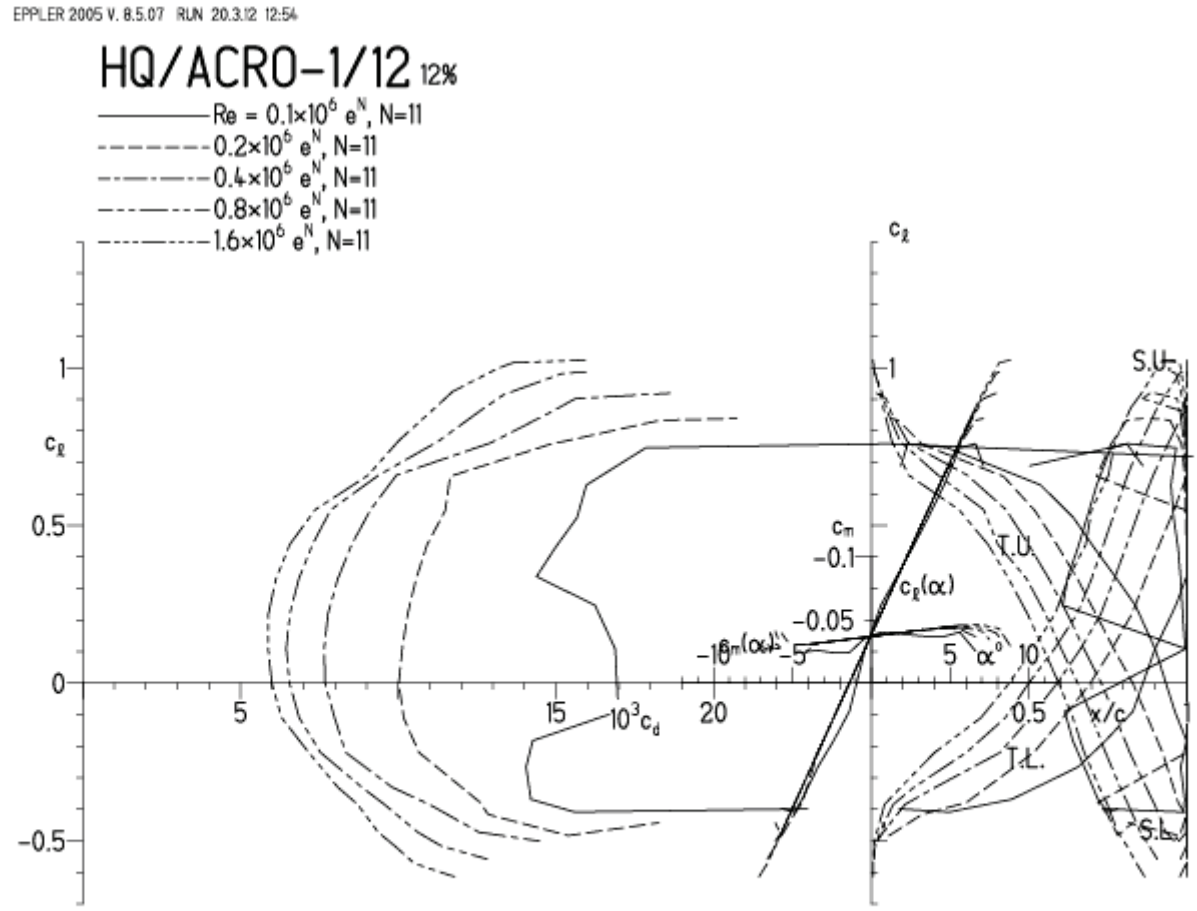


EPPLER 2005 V. 8.5.07 RUN 20.3.12 12:51

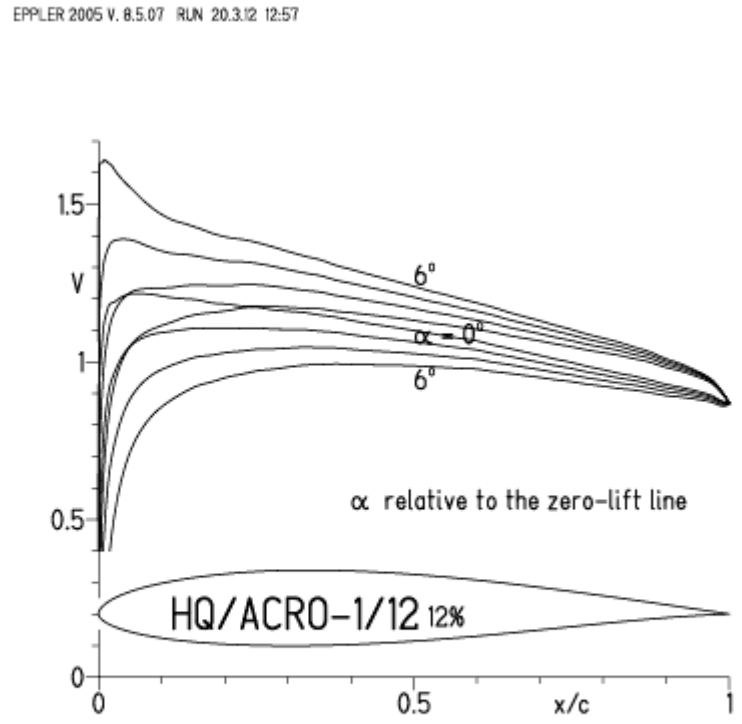


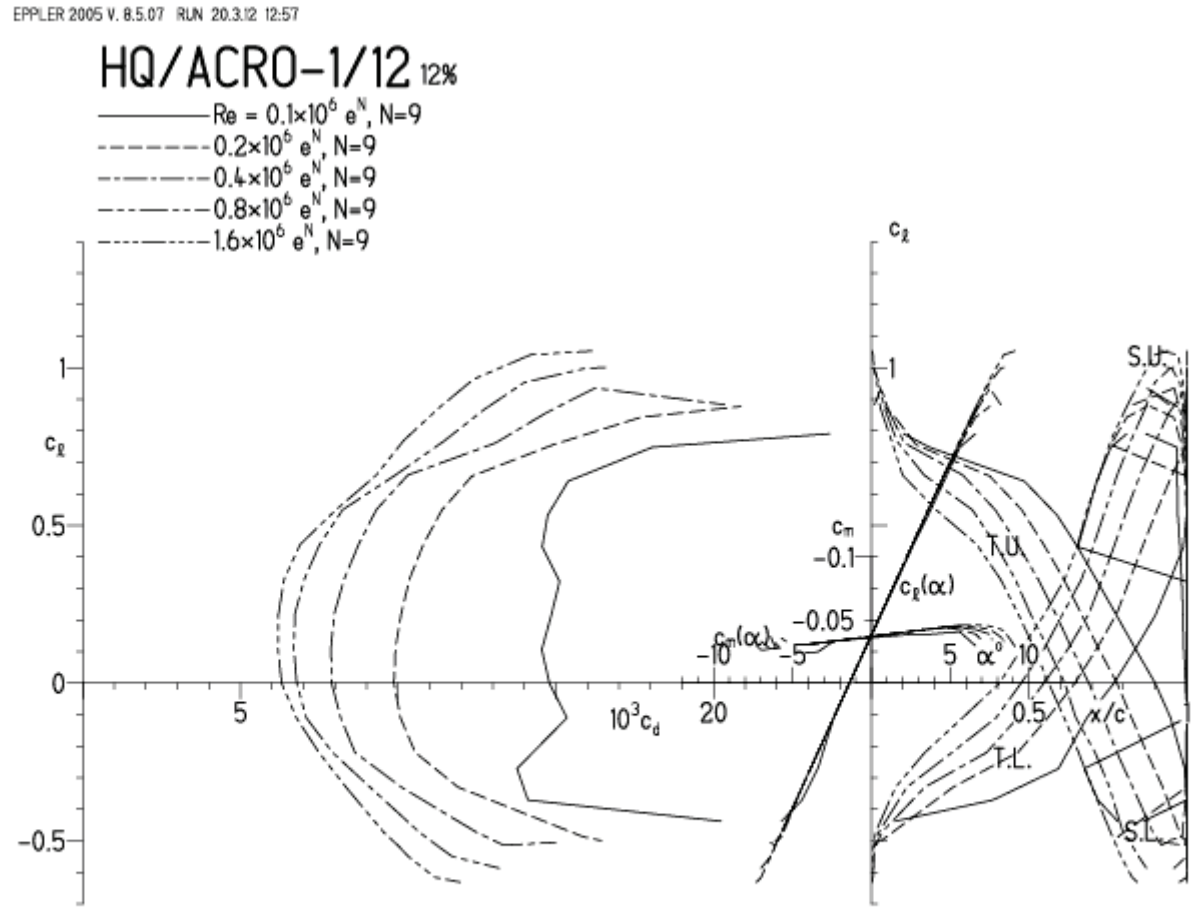
HQ/ACRO-1/12, N=11



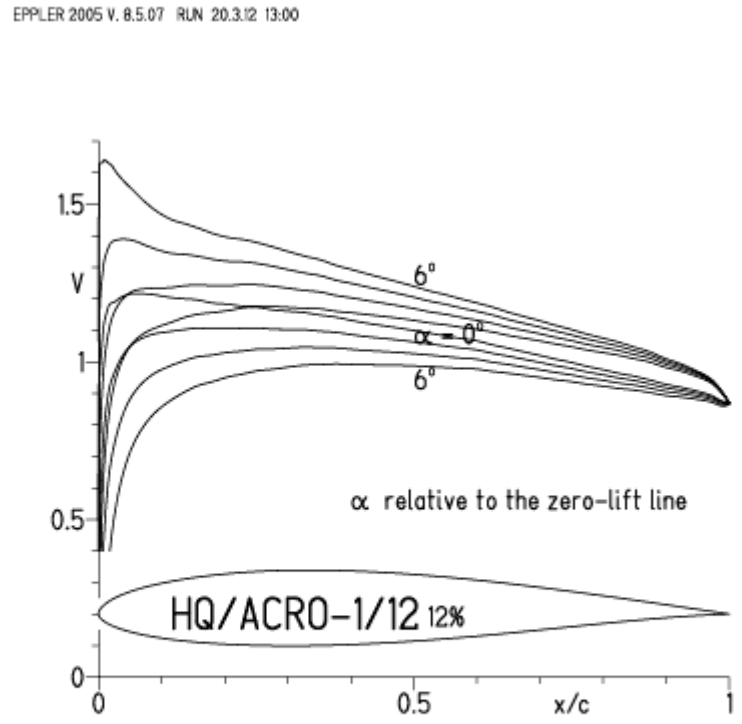


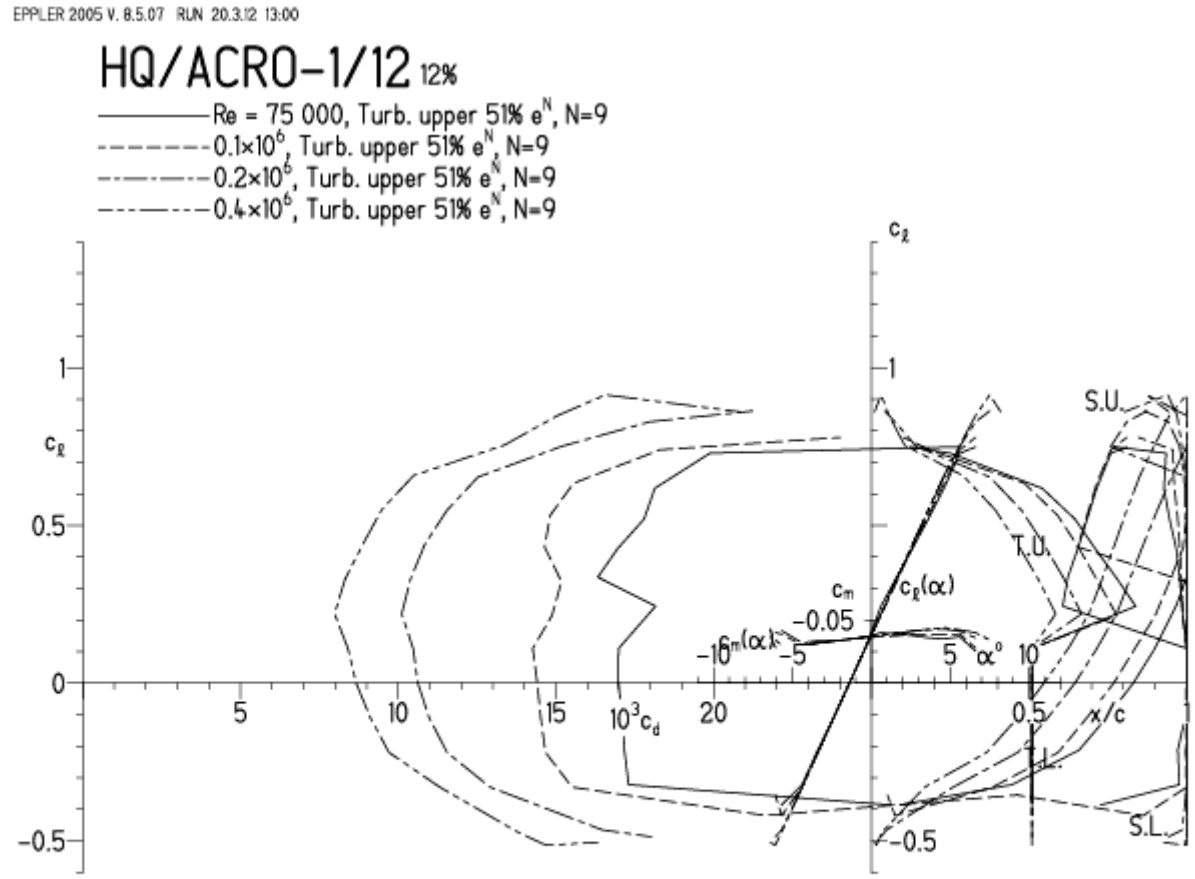
HQ/ACRO-1/12, N=9





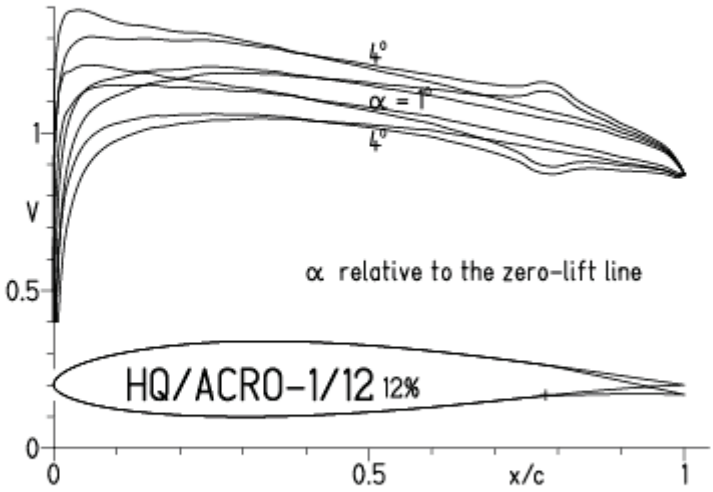
HQ/ACRO-1/12, N=9, Turbulatoreffekt bei niedrigen Re-Zahlen
(optimale Turbulatorposition bei 45 - 55 % der Profiltiefe)



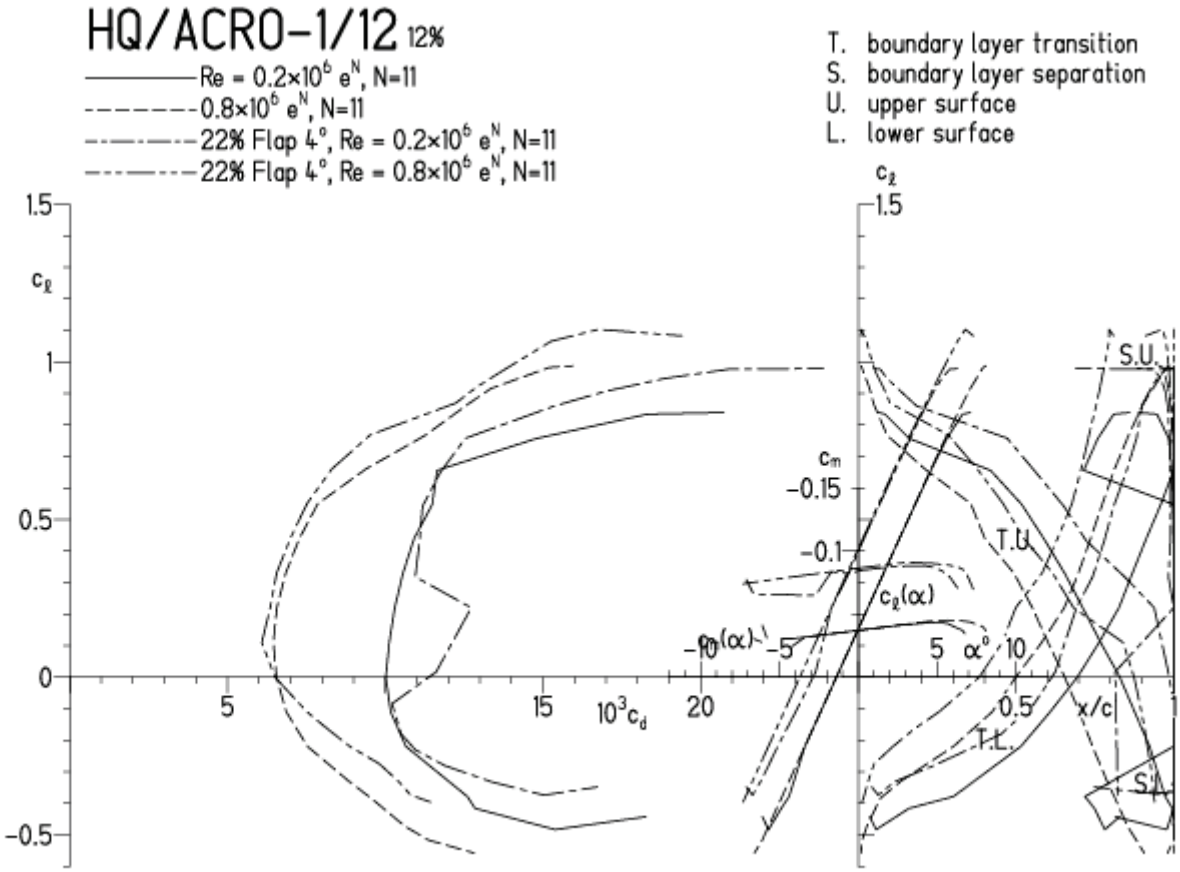


HQ/ACRO-1/12, N=11, mit 4° Wölbklappenausschlag

EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:03

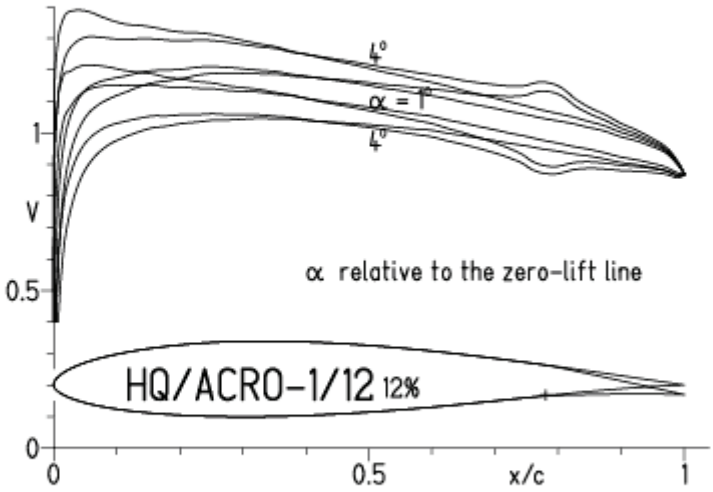


EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:03

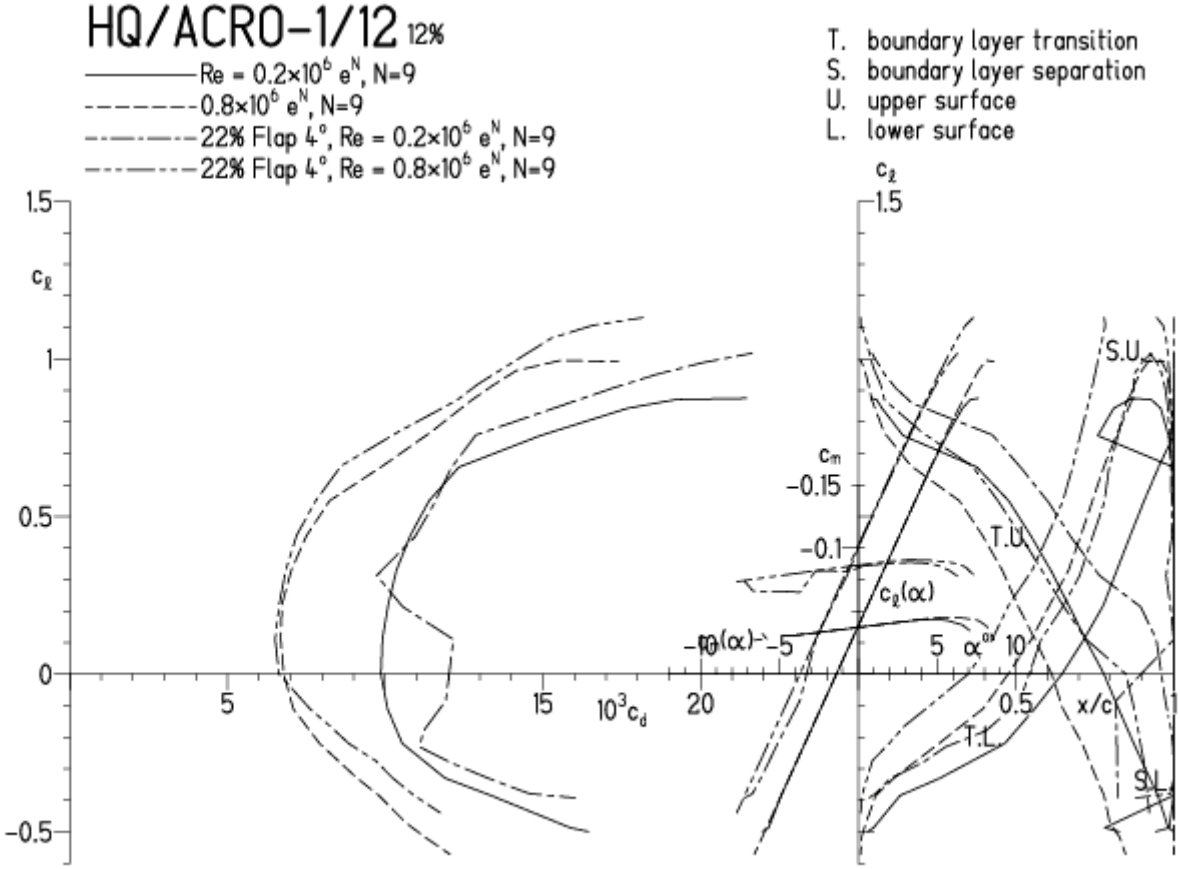


HQ/ACRO-1/12, N=9, mit 4° Wölbklappenausschlag

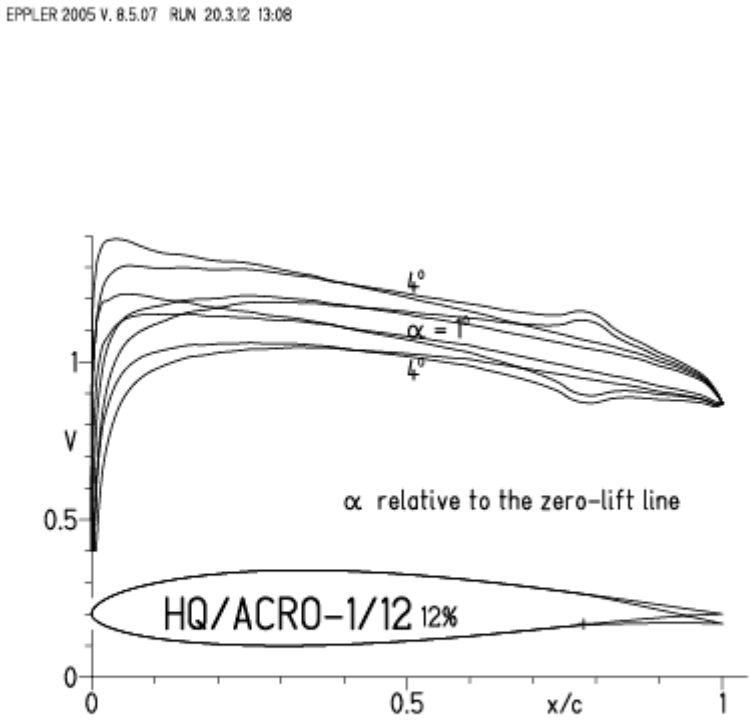
EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:06

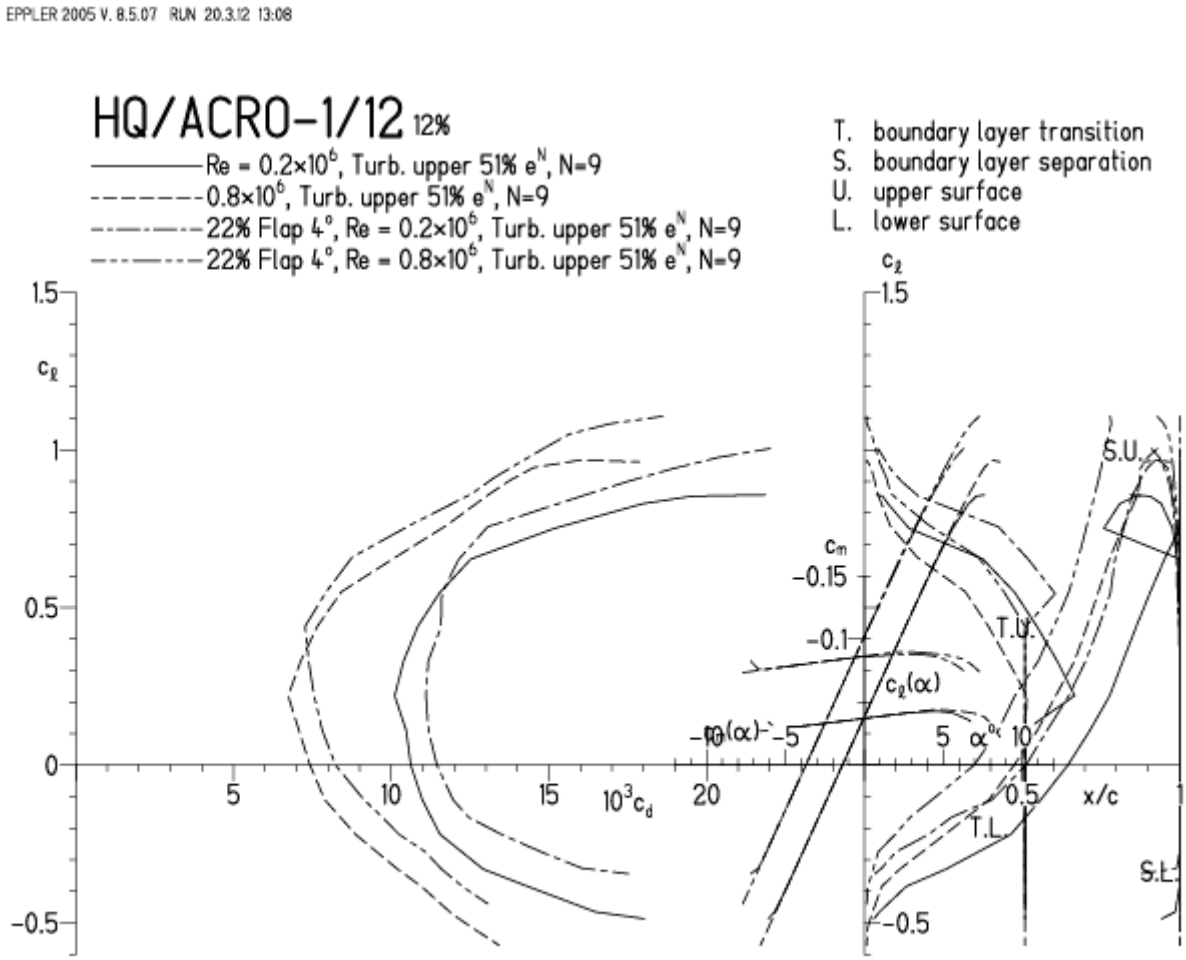


EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:06



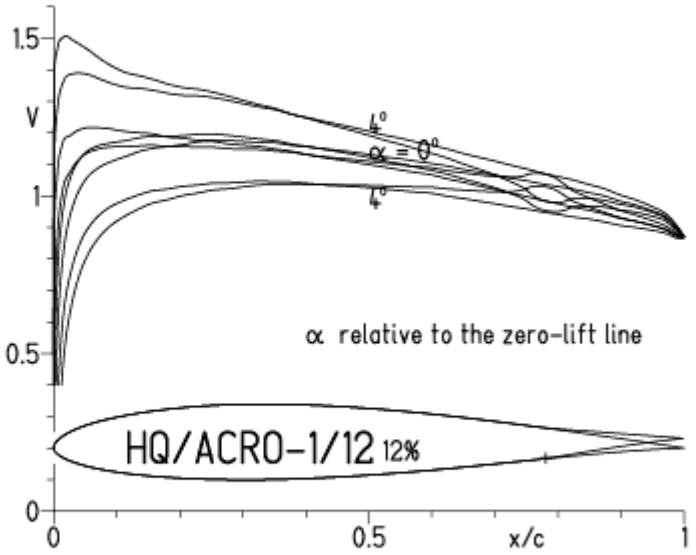
HQ/ACRO-1/12, N=9, mit 4° Wölbklappenausschlag, Turbulatoreffekt
(optimale Turbulatorposition bei 45 - 55 % der Profiltiefe)



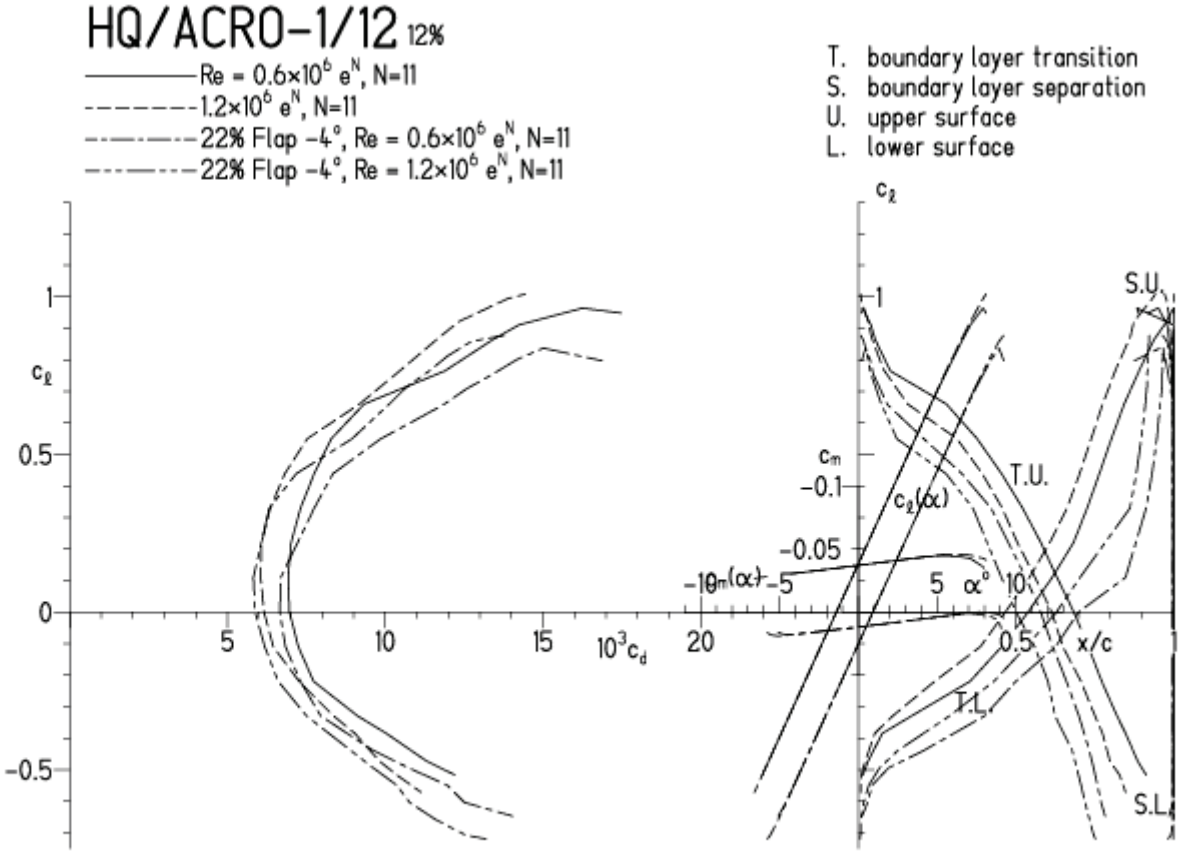


HQ/ACRO-1/12, N=11, mit -4° Wölbklappenausschlag (Schnellflug)

EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:11

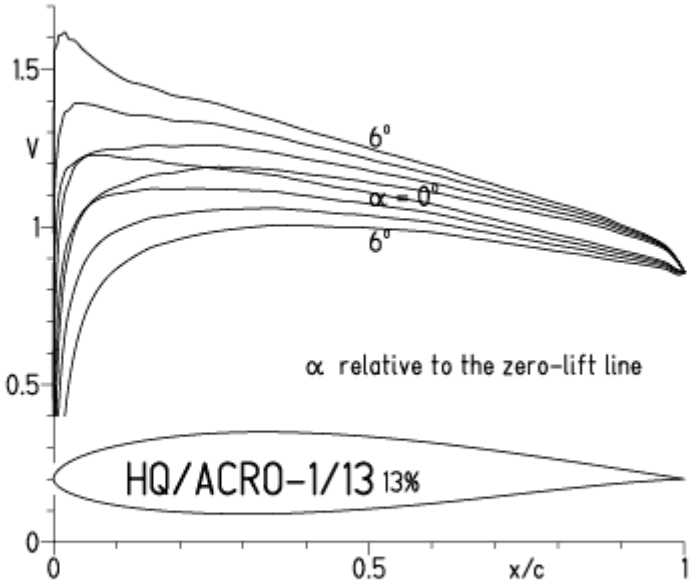


EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:11

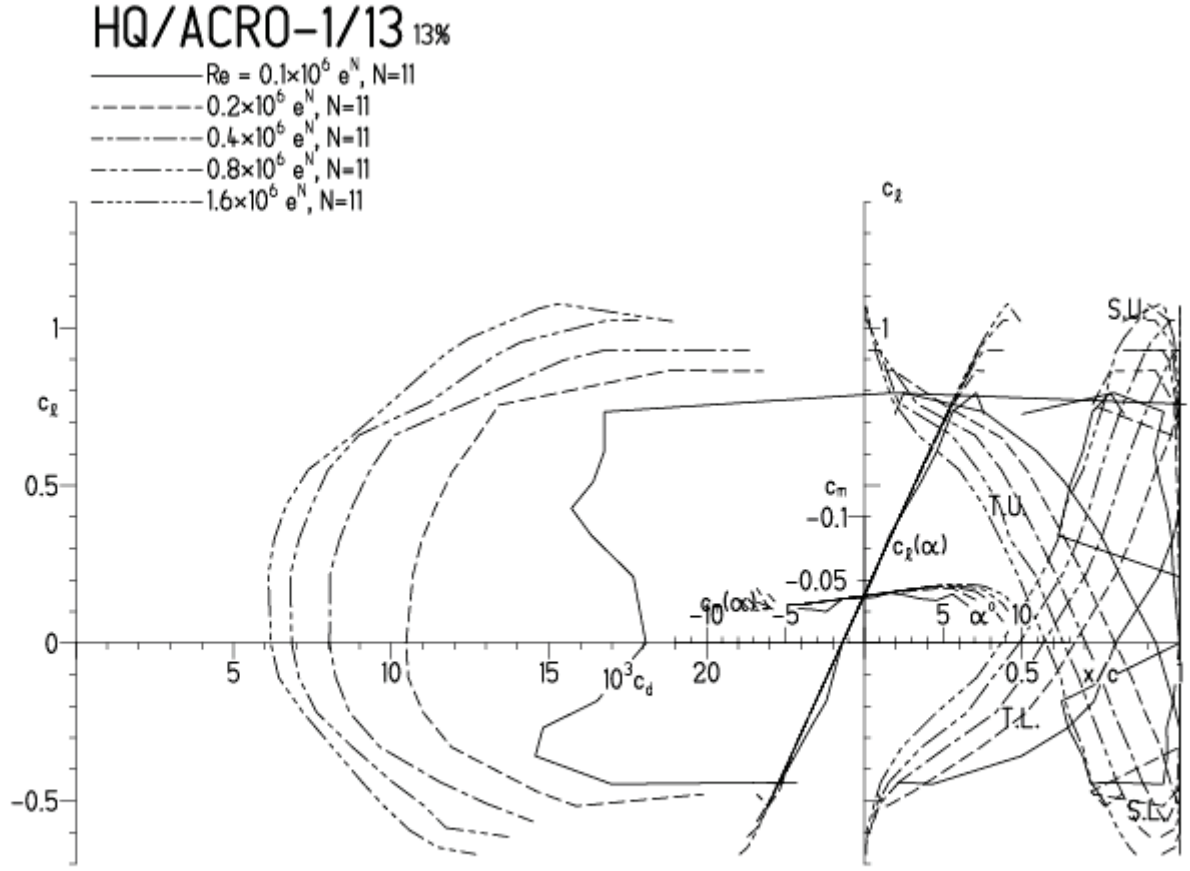


HQ/ACRO-1/13, N=11

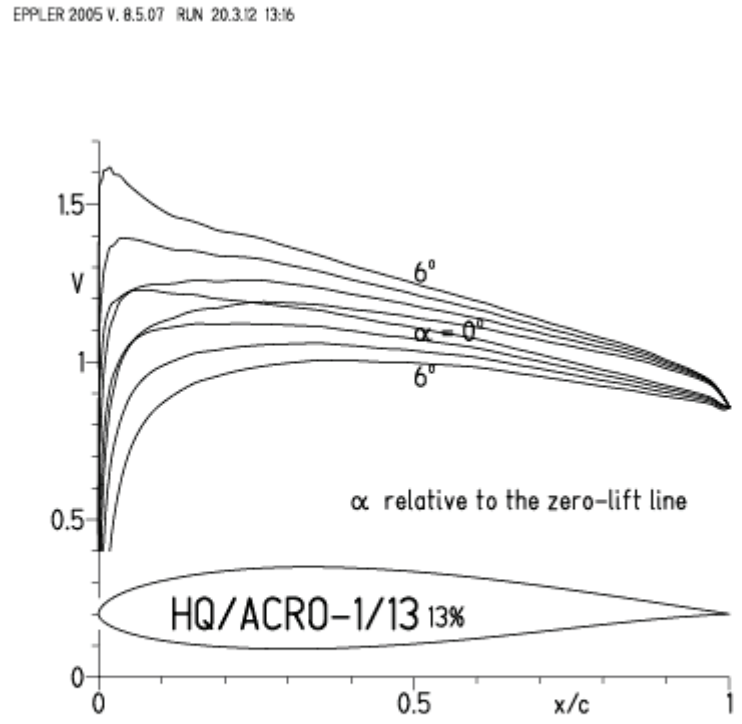
EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:14

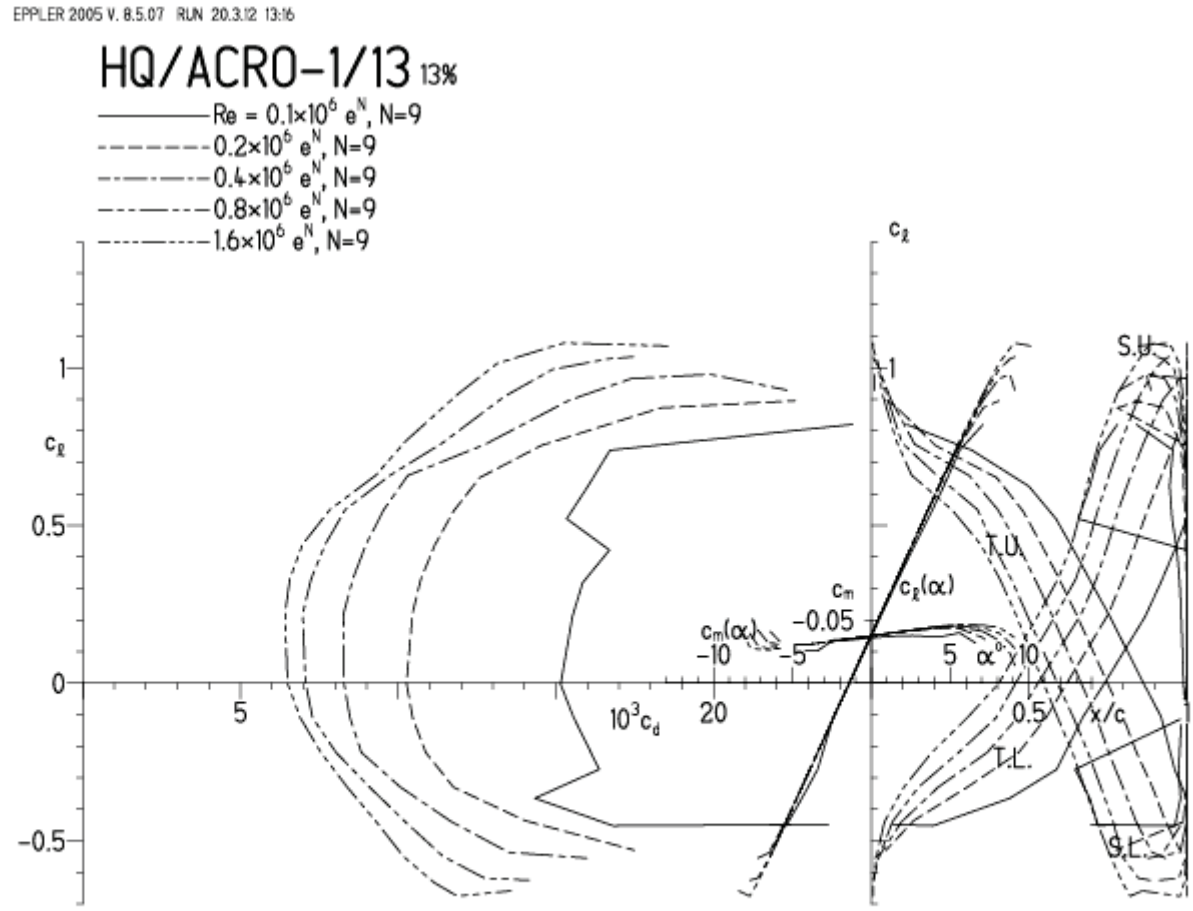


EPPLER 2005 V. 8.5.07 RUN 20.3.12 13:14

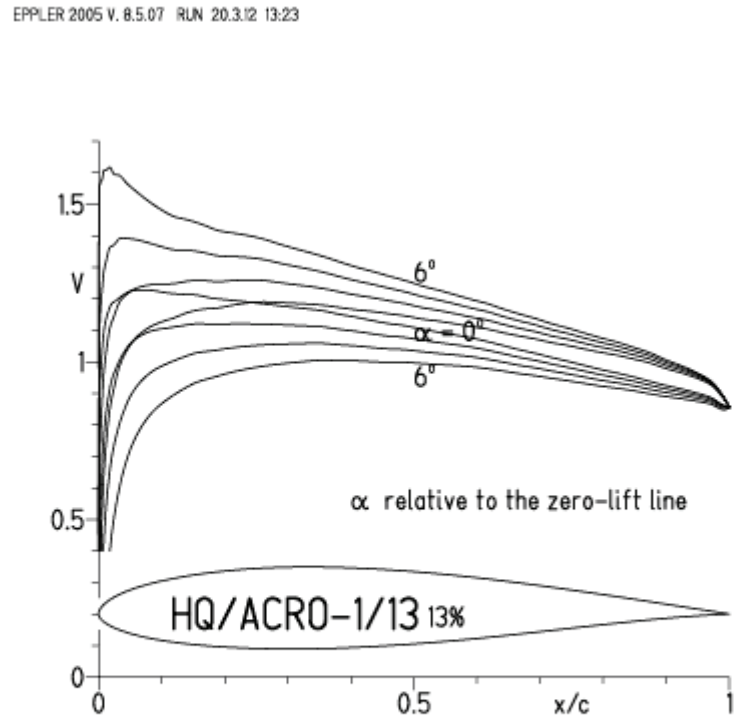


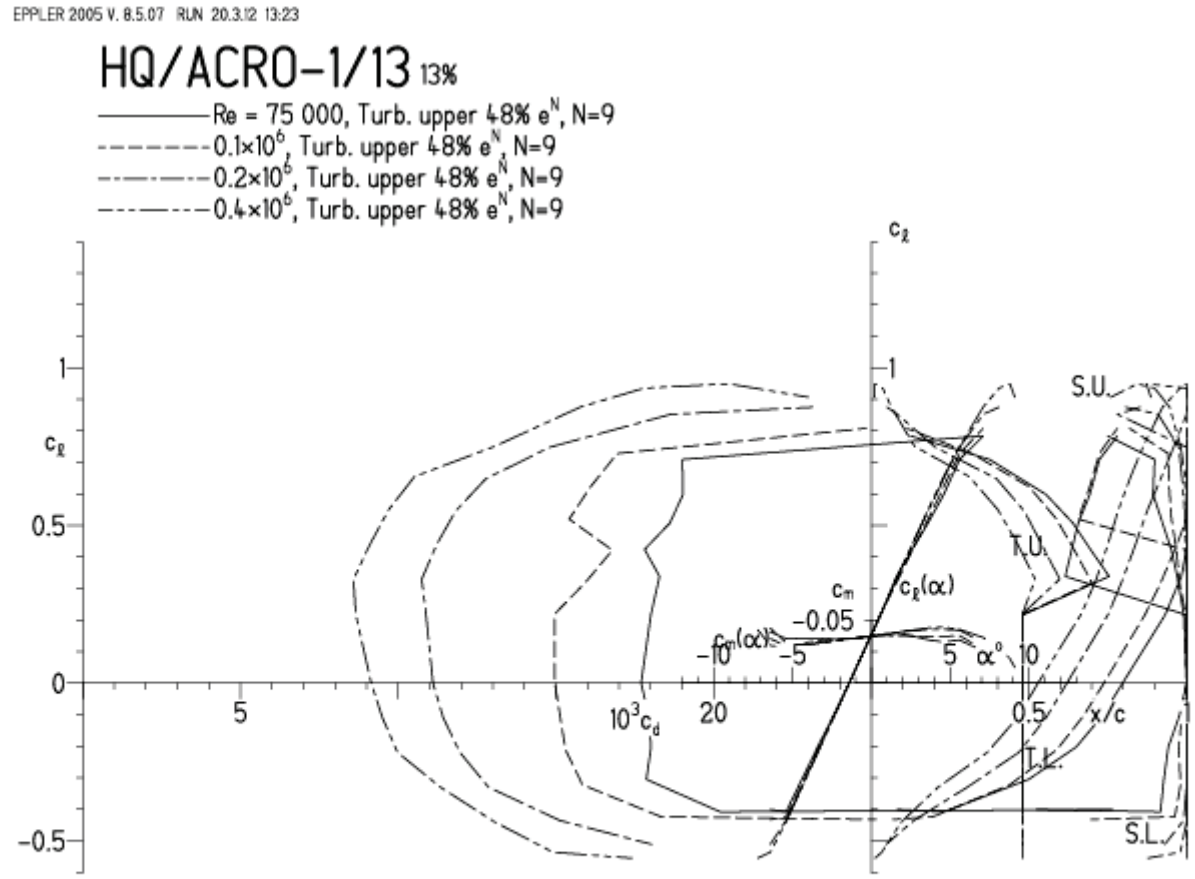
HQ/ACRO-1/13, N=9





HQ/ACRO-1/13, N=9, Turbulatoreffekt bei niedrigen Re-Zahlen
(optimale Turbulatorposition bei 45 - 50 % der Profiltiefe)





HQ/ACRO-1/14, N=11