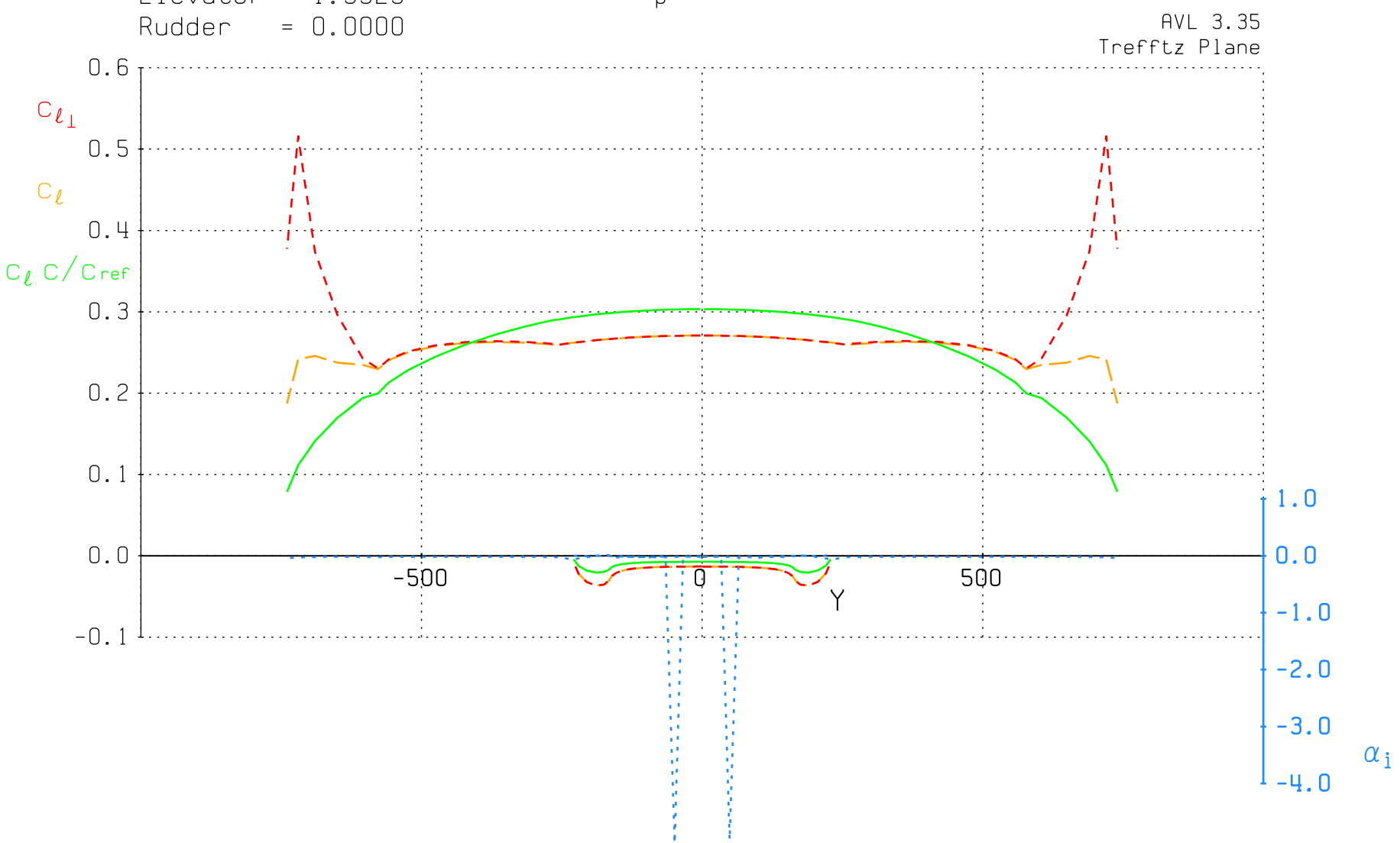
Bixler2

α = 1.9765	pb/2V = 0.0000	CL = 0.2543	Cl' = -0.0000
β = 0.0000	qc/2V = 0.0000	CY = -0.0000	Cm = -0.0000
M = 0.000	rb/2V = 0.0000	CD = 0.00236	Cn' = 0.0000
		CD_i = 0.00232	e = 1.0130
		CD_p = 0.00000	

Aileron = 0.0025
Elevator = 1.5525
Rudder = 0.0000

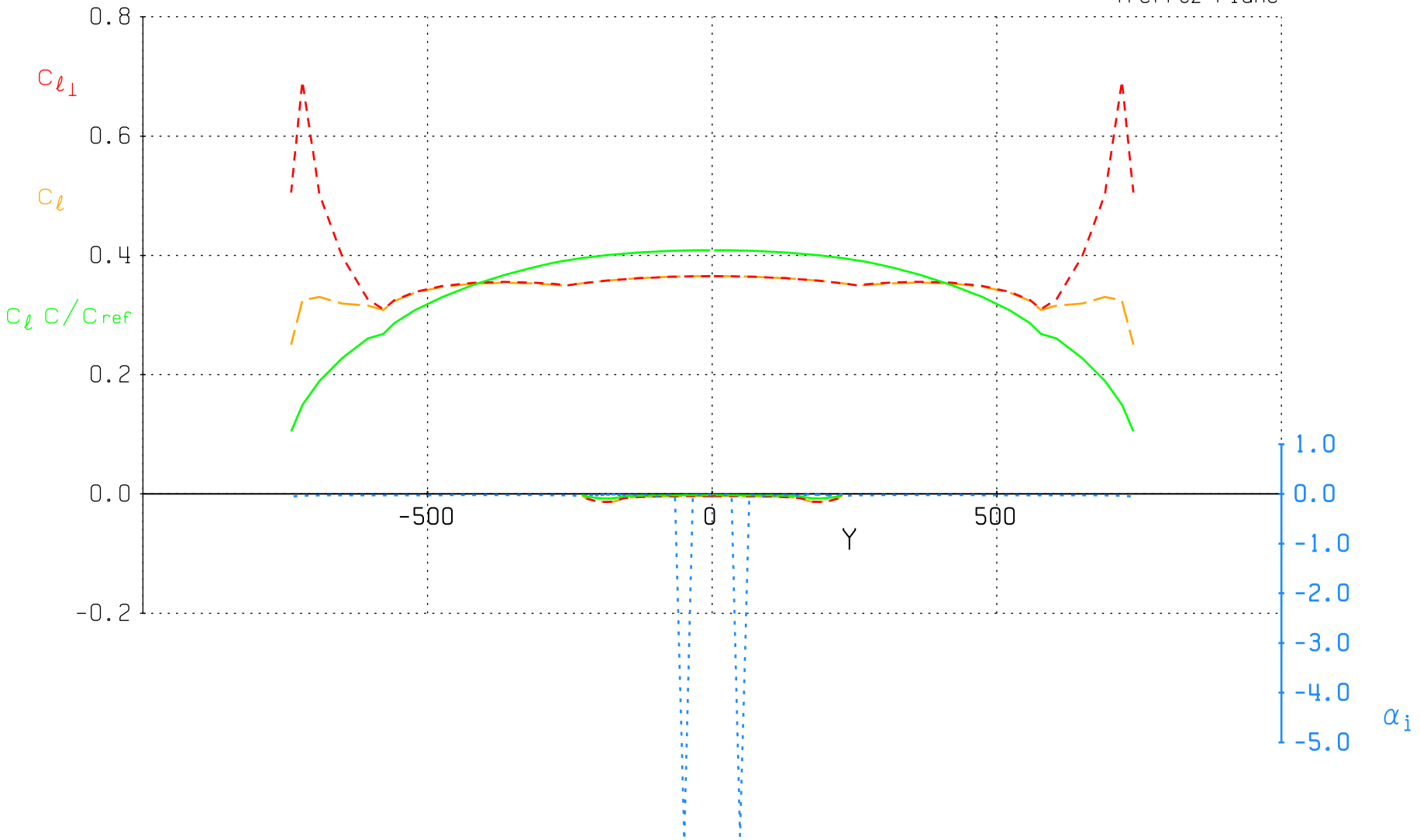


Bixler2
Level Flight: V = 14

α = 3.0304	pb/2V = 0.0000	CL = 0.3462	Cl' = 0.0000		
β = 0.0000	qc/2V = 0.0000	CY = -0.0000	Cm = 0.0000		
M = 0.000	rb/2V = 0.0000	CD = 0.00433	Cn' = 0.0000		
Aileron = 0.0034		CD_i = 0.00439	e = 0.9937		
Elevator = 0.6368		CD_p = 0.00000			
Rudder = 0.0000					

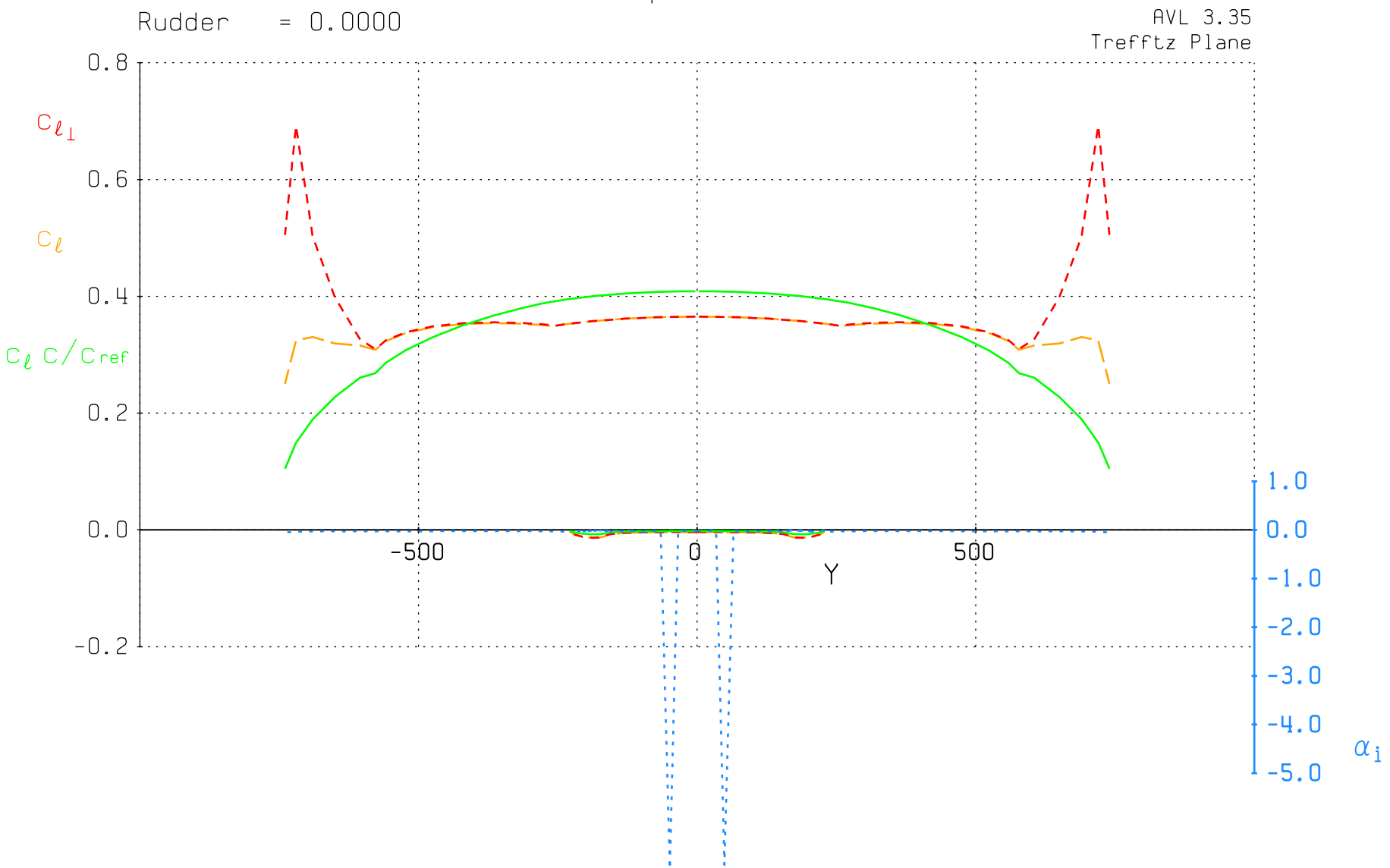
$C_{\ell_\perp}$
C_ℓ
$C_\ell\, C/C_{ref}$
α_i

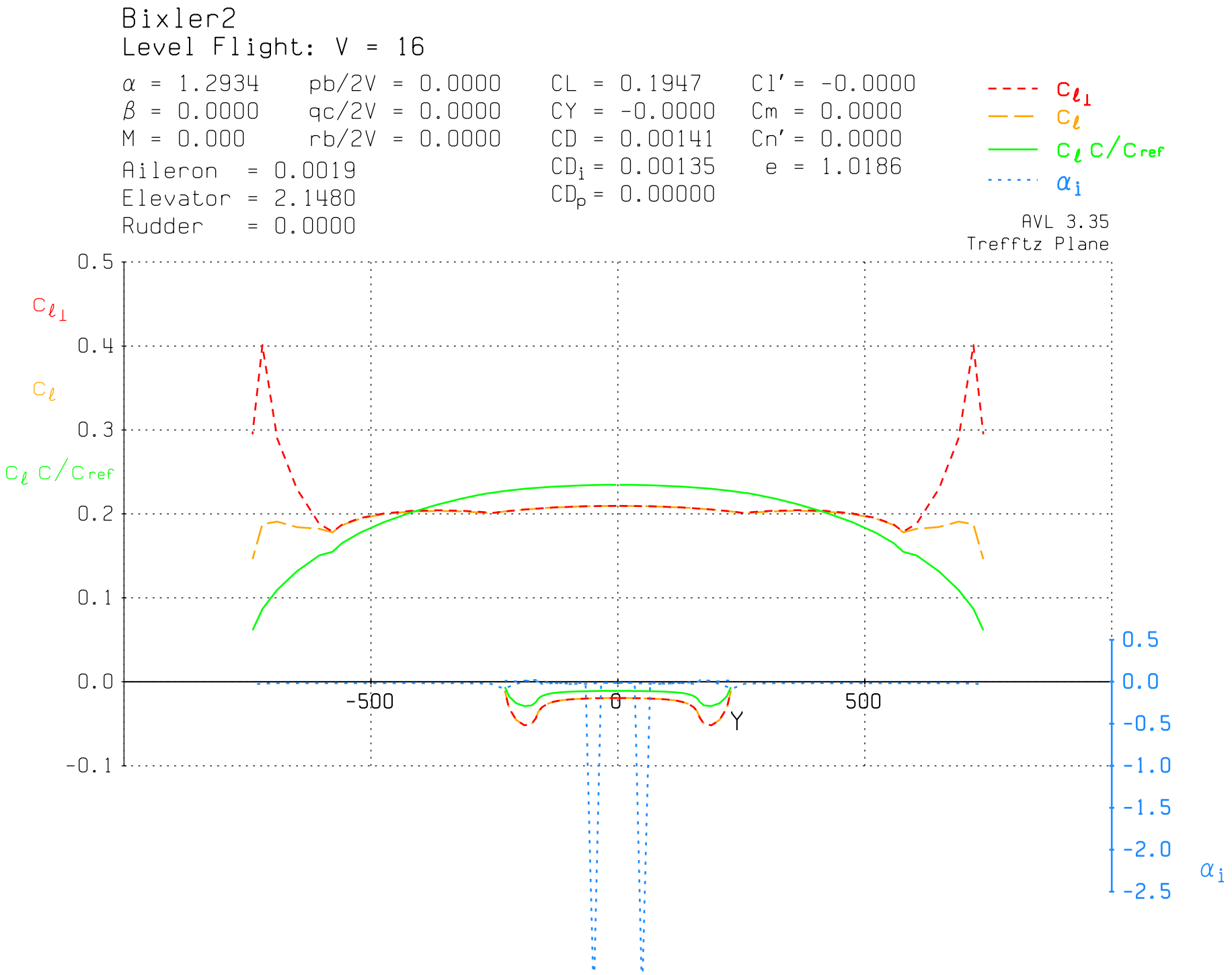
AVL 3.35
Trefftz Plane



Bixler2
Level Flight: V = 12

α = 3.0304	pb/2V = 0.0000	CL = 0.3462	Cl' = 0.0000
β = 0.0000	qc/2V = 0.0000	CY = -0.0000	Cm = -0.0000
M = 0.000	rb/2V = 0.0000	CD = 0.00433	Cn' = 0.0000
Aileron = 0.0034		CD_i = 0.00439	e = 0.9937
Elevator = 0.6368		CD_p = 0.00000	
Rudder = 0.0000			



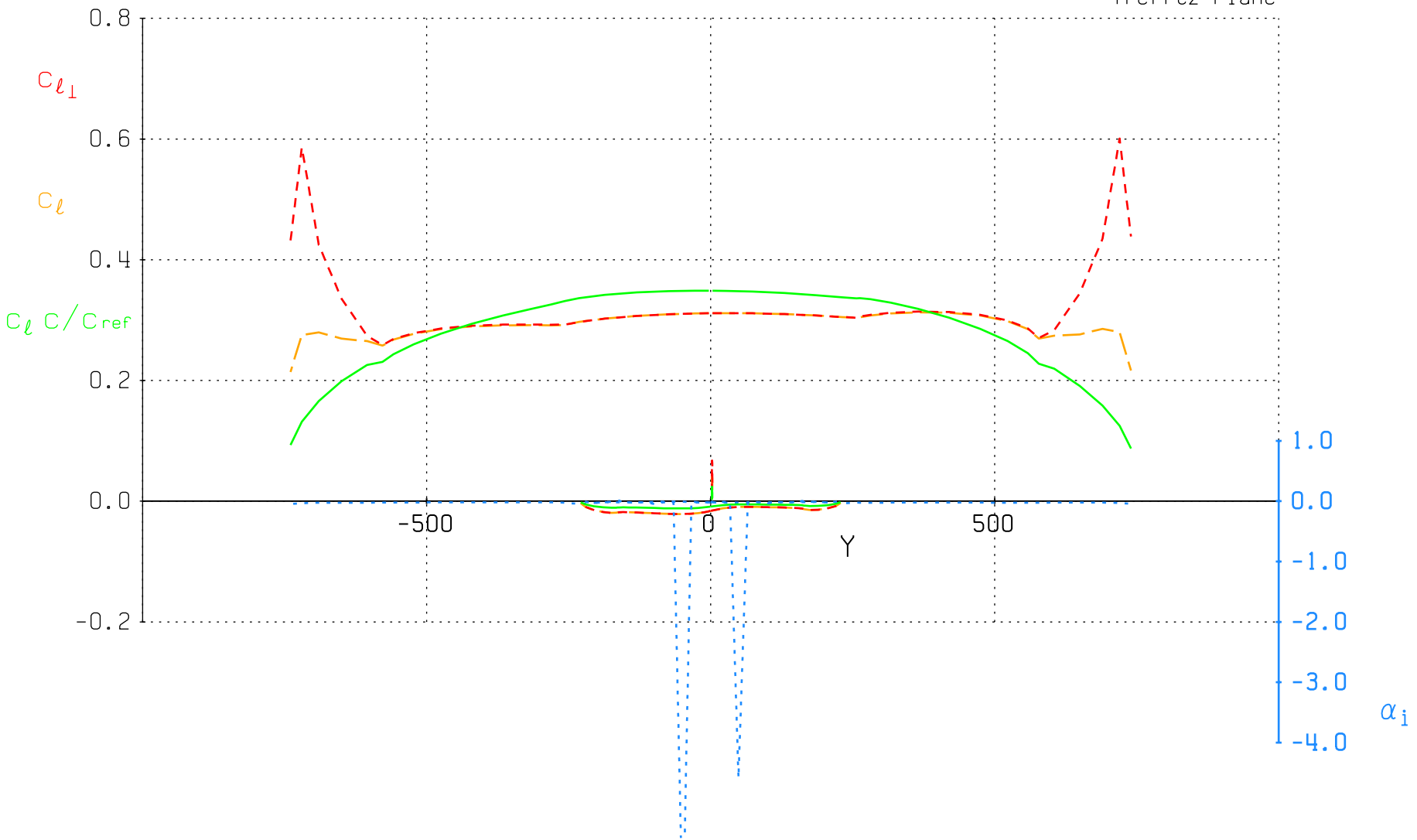

Bixler2
Level Flight: V = 16
α = 1.2934
β = 0.0000
M = 0.000
pb/2V = 0.0000
qc/2V = 0.0000
rb/2V = 0.0000
Aileron = 0.0019
Elevator = 2.1480
Rudder = 0.0000
CL = 0.1947
CY = -0.0000
CD = 0.00141
CDi = 0.00135
CDp = 0.00000
Cl' = -0.0000
Cm = 0.0000
Cn' = 0.0000
e = 1.0186
Cℓ'
Cℓ
Cℓ C/Cref
αi
AVL 3.35
Trefftz Plane
0.5
0.4
0.3
0.2
0.1
0.0
-0.1
-500
0
500
Y
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
αi

Bixler2
Level Turn: V = 14, B = 30

α = 2.3639	pb/2V = -0.0008	CL = 0.2937	Cl' = 0.0000
β = 0.0000	qc/2V = 0.0013	CY = 0.0023	Cm = 0.0000
M = 0.000	rb/2V = 0.0188	CD = 0.00311	Cn' = -0.0008
Aileron = 0.2987		CD_i = 0.00266	e = 1.1798
Elevator = 0.3573		CD_p = 0.00000	
Rudder = 0.0000			

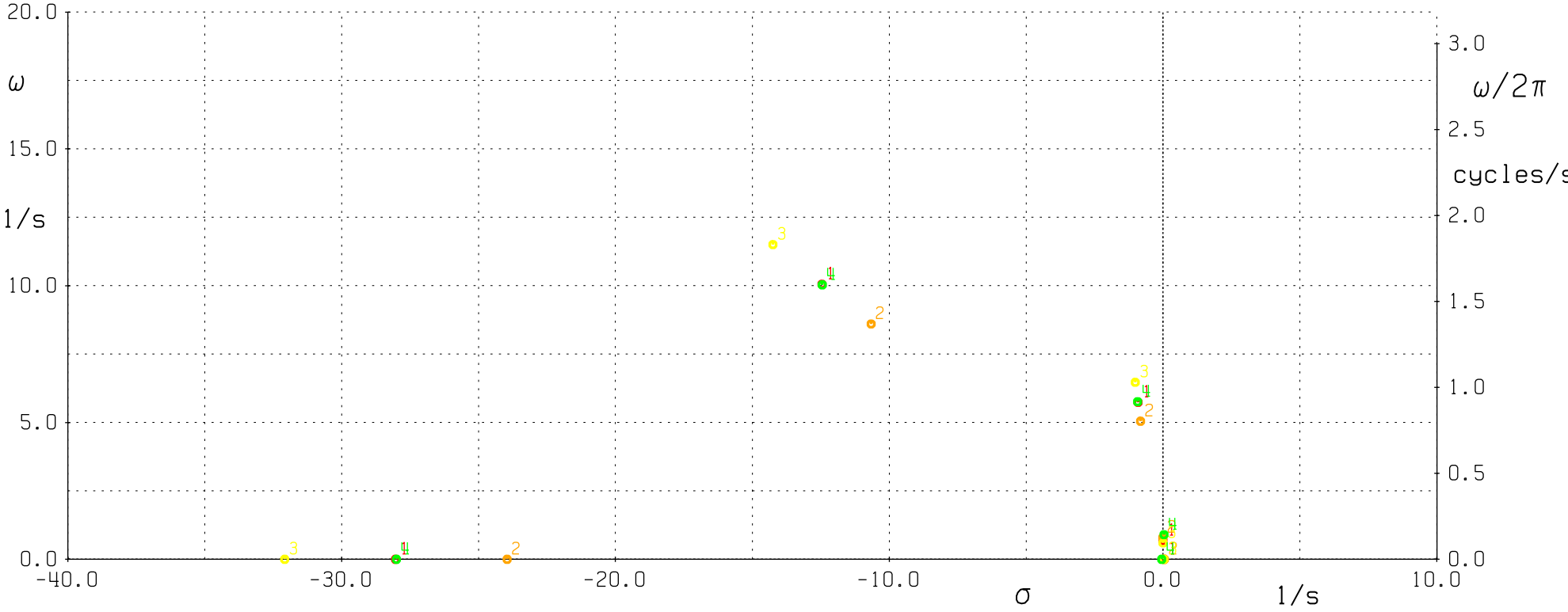
$C_{\ell_\perp}$
C_ℓ
$C_\ell\, C/C_{ref}$
α_i

AVL 3.35
Trefftz Plane



Bixler2

	α°	β°	C_L	C_{Do}	bank	V	ρ	R_{turn}	X_{cg}	Z_{cg}	mass
1:	1.977	0.0	0.2543	0.0	0.0	14.00	1.225	0.0	71.82	4.353	0.8000
2:	3.030	0.0	0.3462	0.0	0.0	12.00	1.225	0.0	71.82	4.353	0.8000
3:	1.293	0.0	0.1947	0.0	0.0	16.00	1.225	0.0	71.82	4.353	0.8000
4:	2.364	0.0	0.2937	0.0	30.00	14.00	1.225	34.61	71.82	4.353	0.8000



1:	1.977	0.0	0.2543	0.0	0.0	14.00	1.225	0.0	71.82	4.353	0.8000
2:	3.030	0.0	0.3462	0.0	0.0	12.00	1.225	0.0	71.82	4.353	0.8000
3:	1.293	0.0	0.1947	0.0	0.0	16.00	1.225	0.0	71.82	4.353	0.8000
4:	2.364	0.0	0.2937	0.0	30.00	14.00	1.225	34.61	71.82	4.353	0.8000