

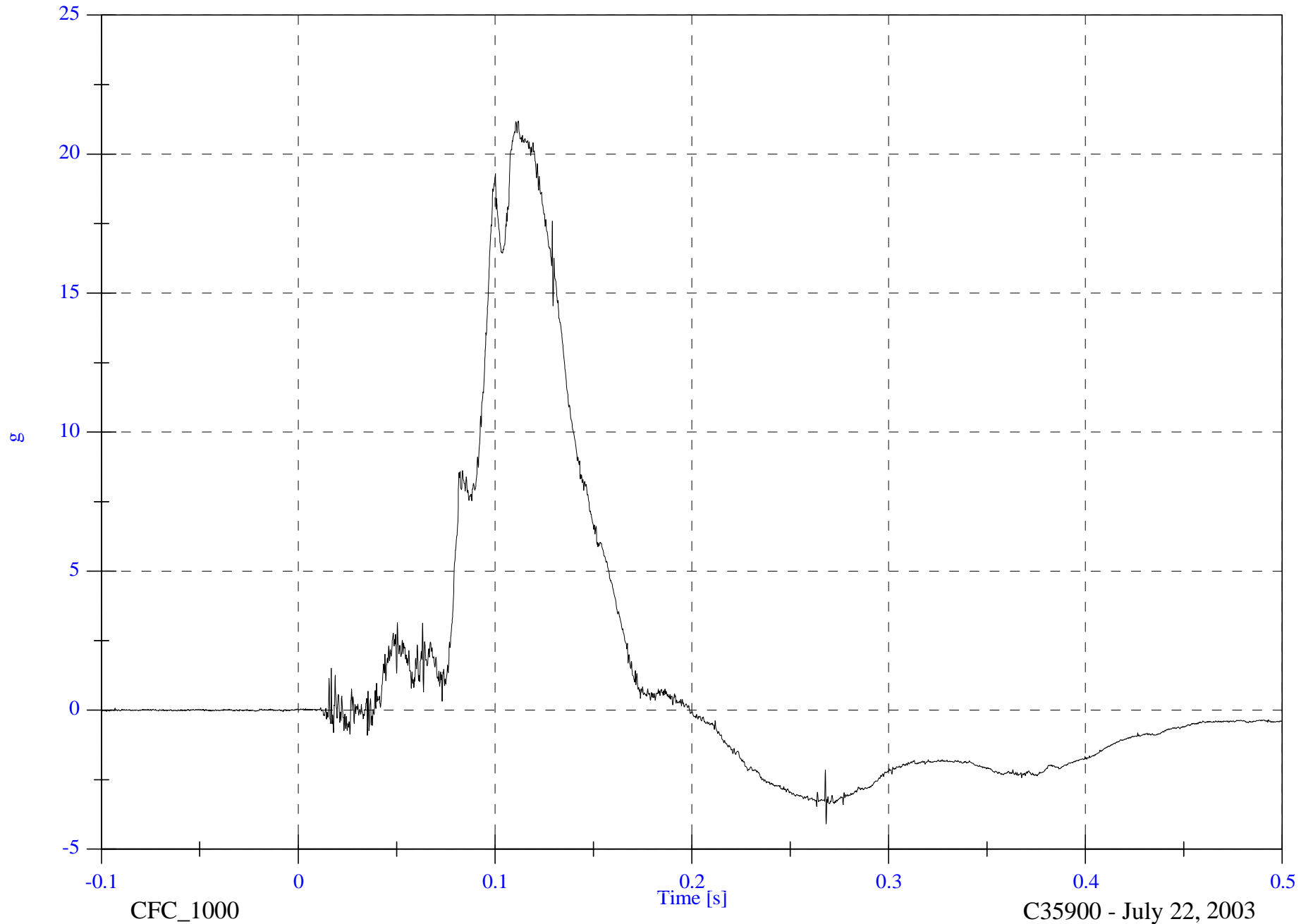
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Head Ax

Max: 21.2 [g] at 0.112 [s]
Min: -4.1 [g] at 0.268 [s]

B-11

8655-F301-10R



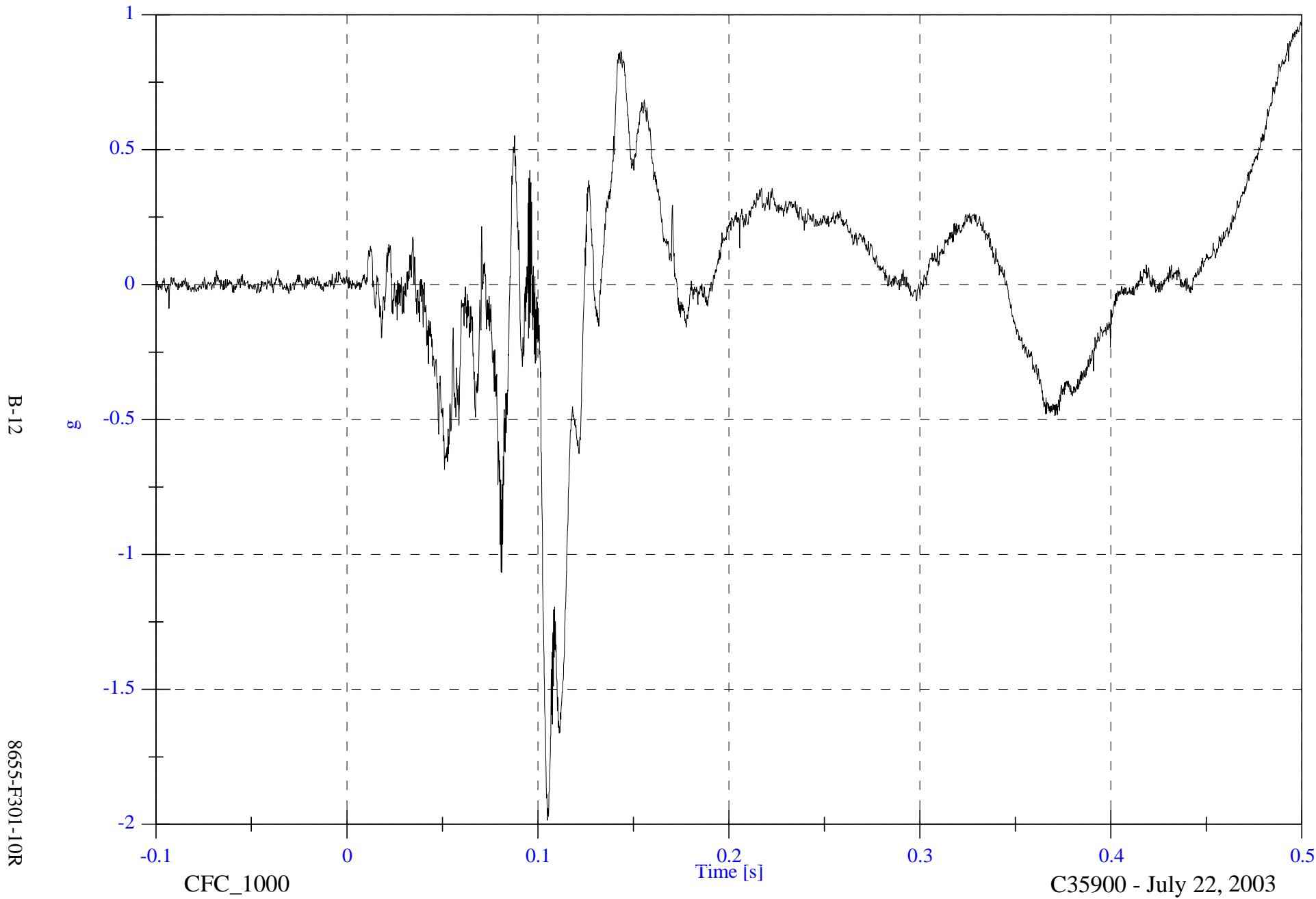
CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Head Ay

Max: 1.0 [g] at 0.499 [s]
Min: -2.0 [g] at 0.105 [s]



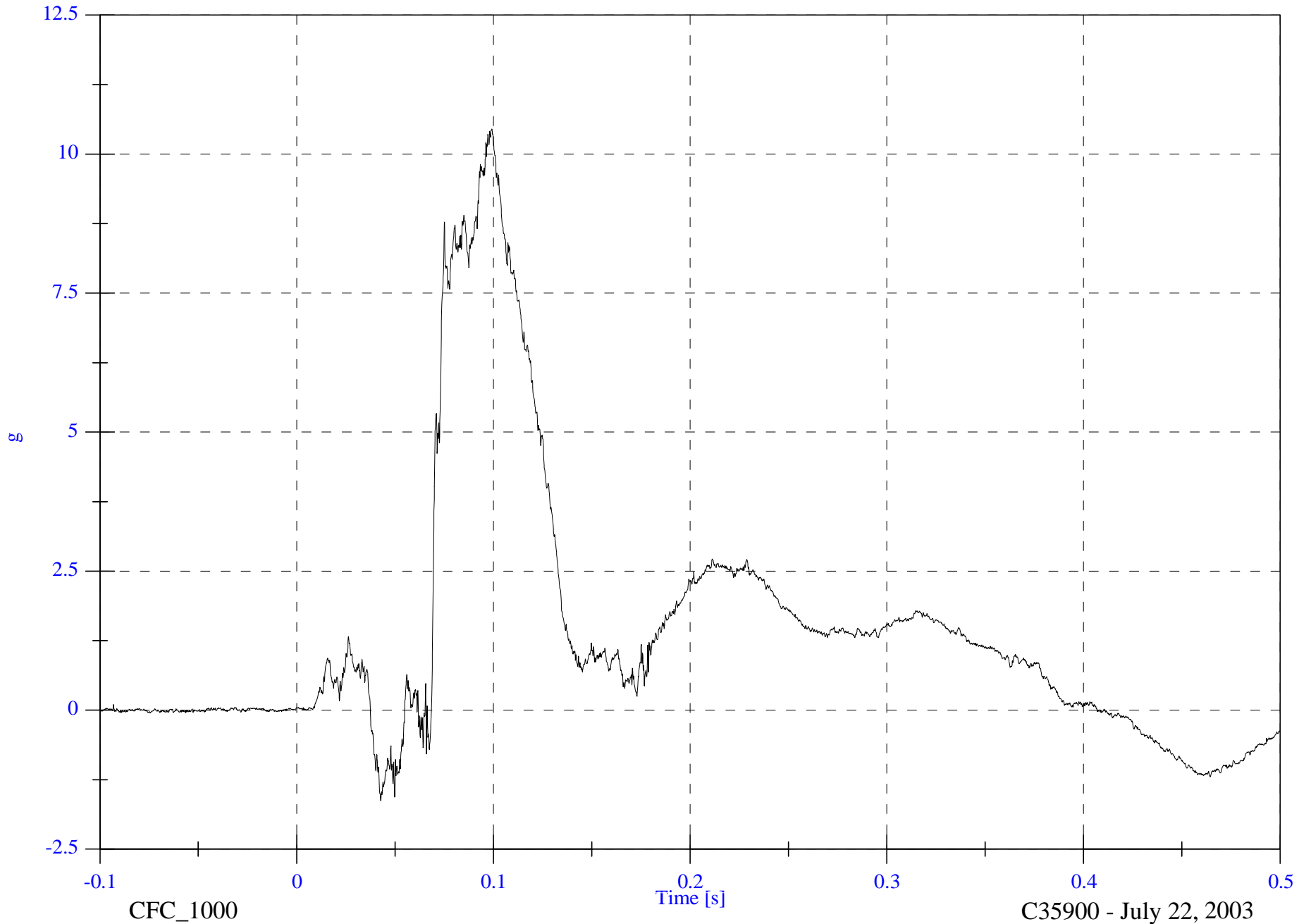
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Head Az

Max: 10.5 [g] at 0.099 [s]
Min: -1.6 [g] at 0.043 [s]

B-13

8655-F301-10R



CFC_1000

C35900 - July 22, 2003

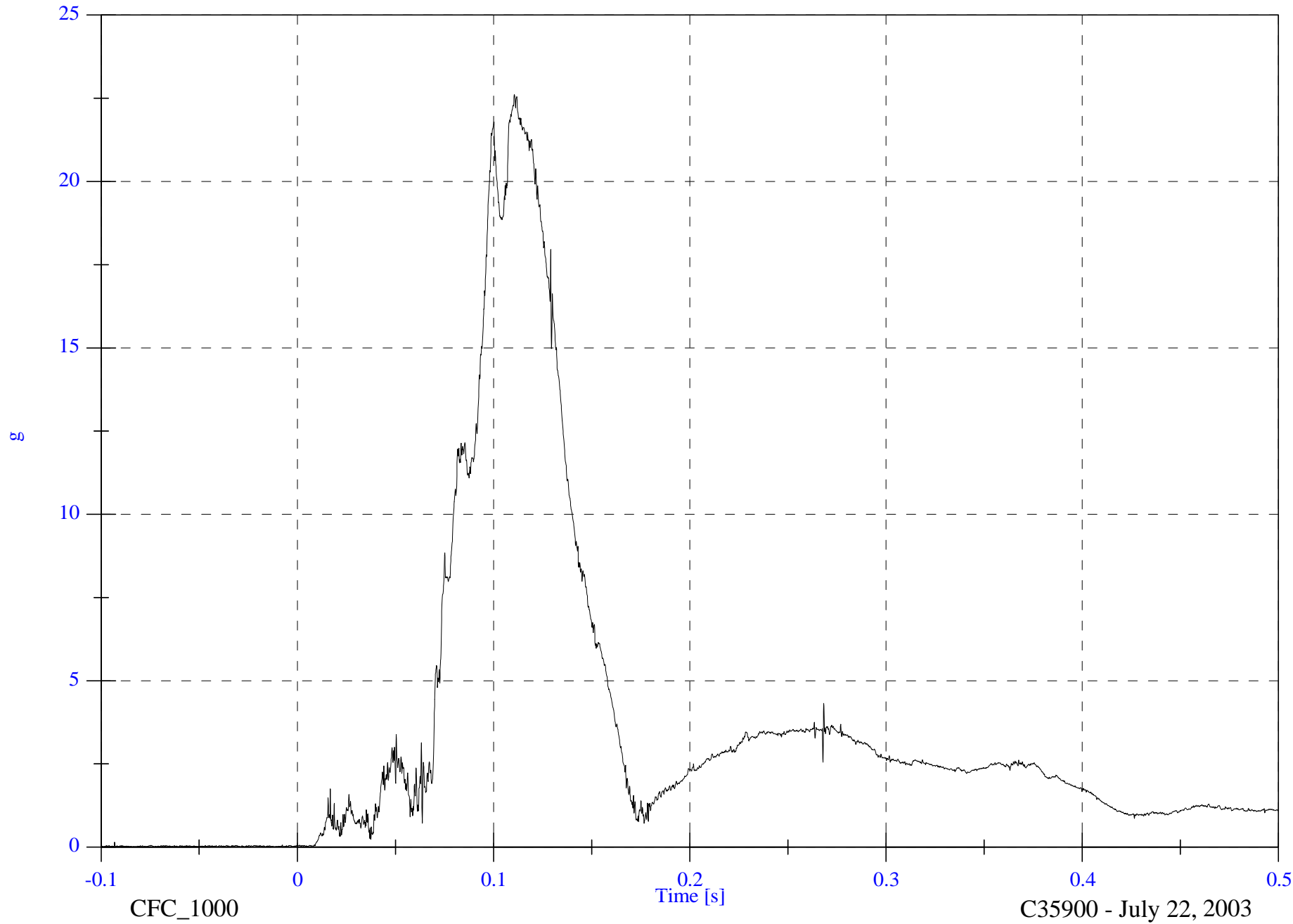
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Head A Resultant

Max: 22.6 [g] at 0.111 [s]
Min: 0.0 [g] at -0.012 [s]

B-14

8655-F301-10R



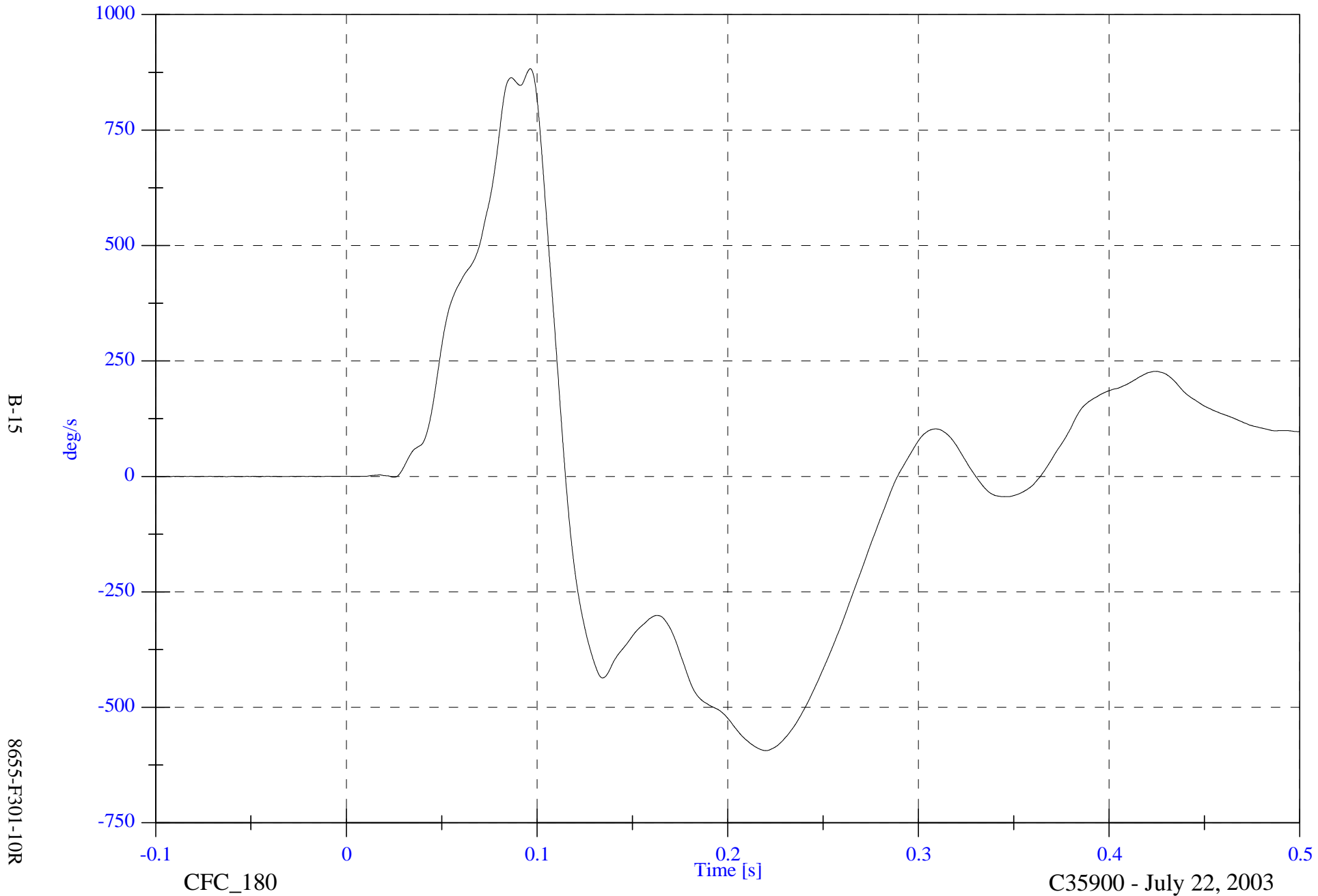
CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Head AVy

Max: 882.9 [deg/s] at 0.096 [s]
Min: -593.5 [deg/s] at 0.220 [s]



B-15

8655-F301-10R

CFC_180

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

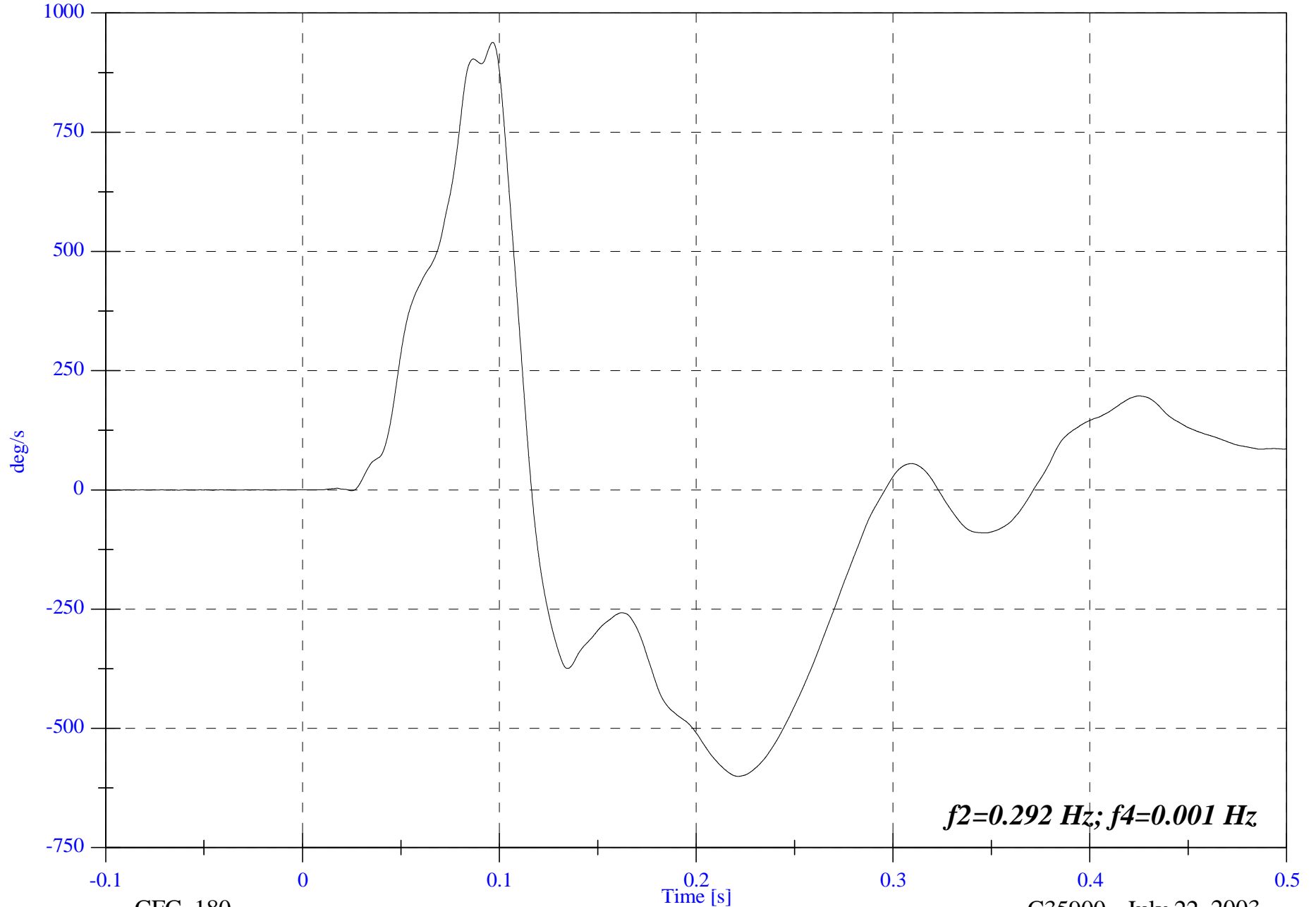
V2P1 Head Comp AVy

Max: 938.7 [deg/s] at 0.097 [s]

Min: -600.7 [deg/s] at 0.221 [s]

B-16

8655-F301-10R



f2=0.292 Hz; f4=0.001 Hz

CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

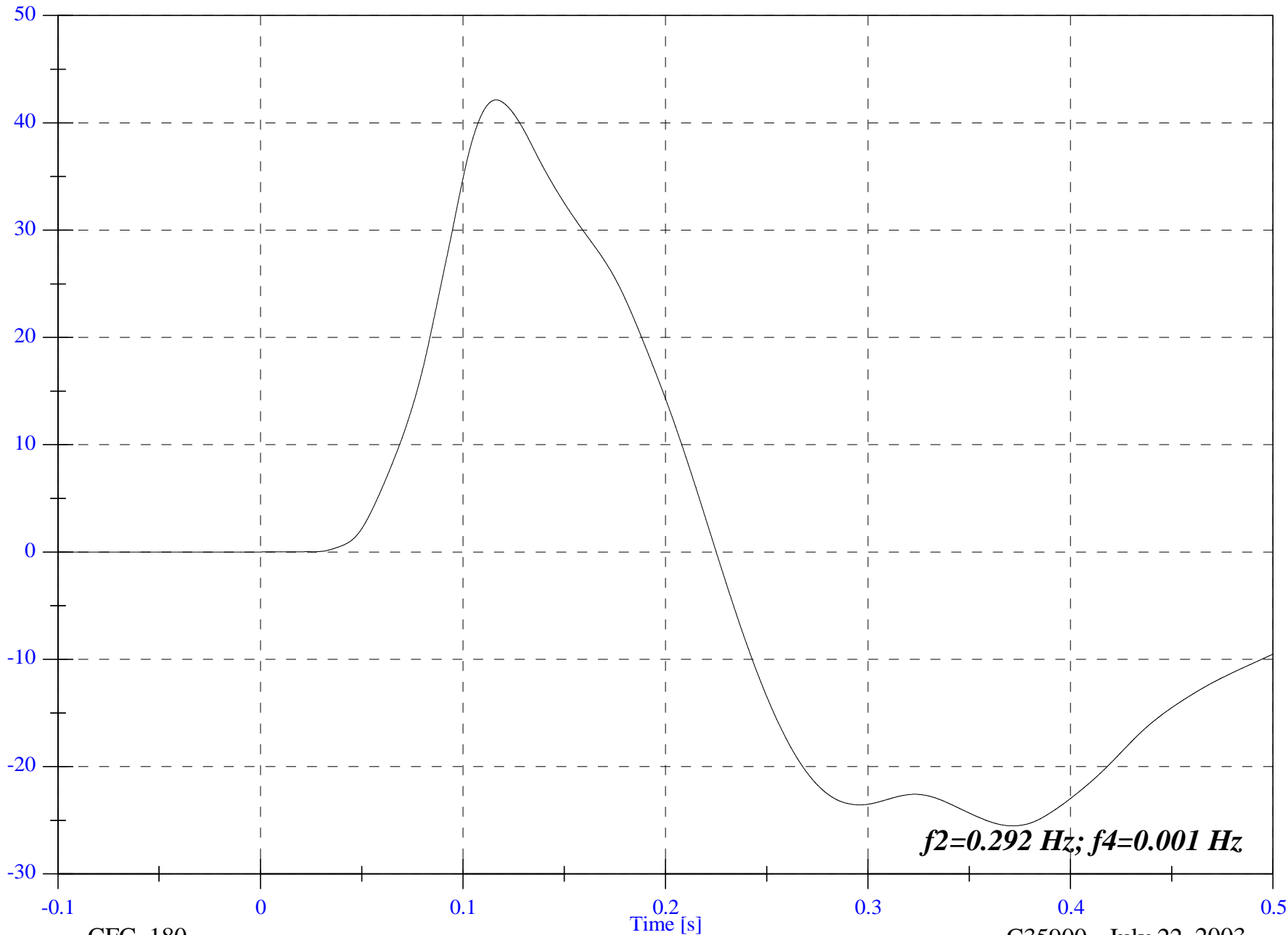
V2P1 Head Comp ADy

Max: 42.1 [deg] at 0.116 [s]

Min: -25.5 [deg] at 0.371 [s]

B-17

gap



f2=0.292 Hz; f4=0.001 Hz

8655-F301-10R

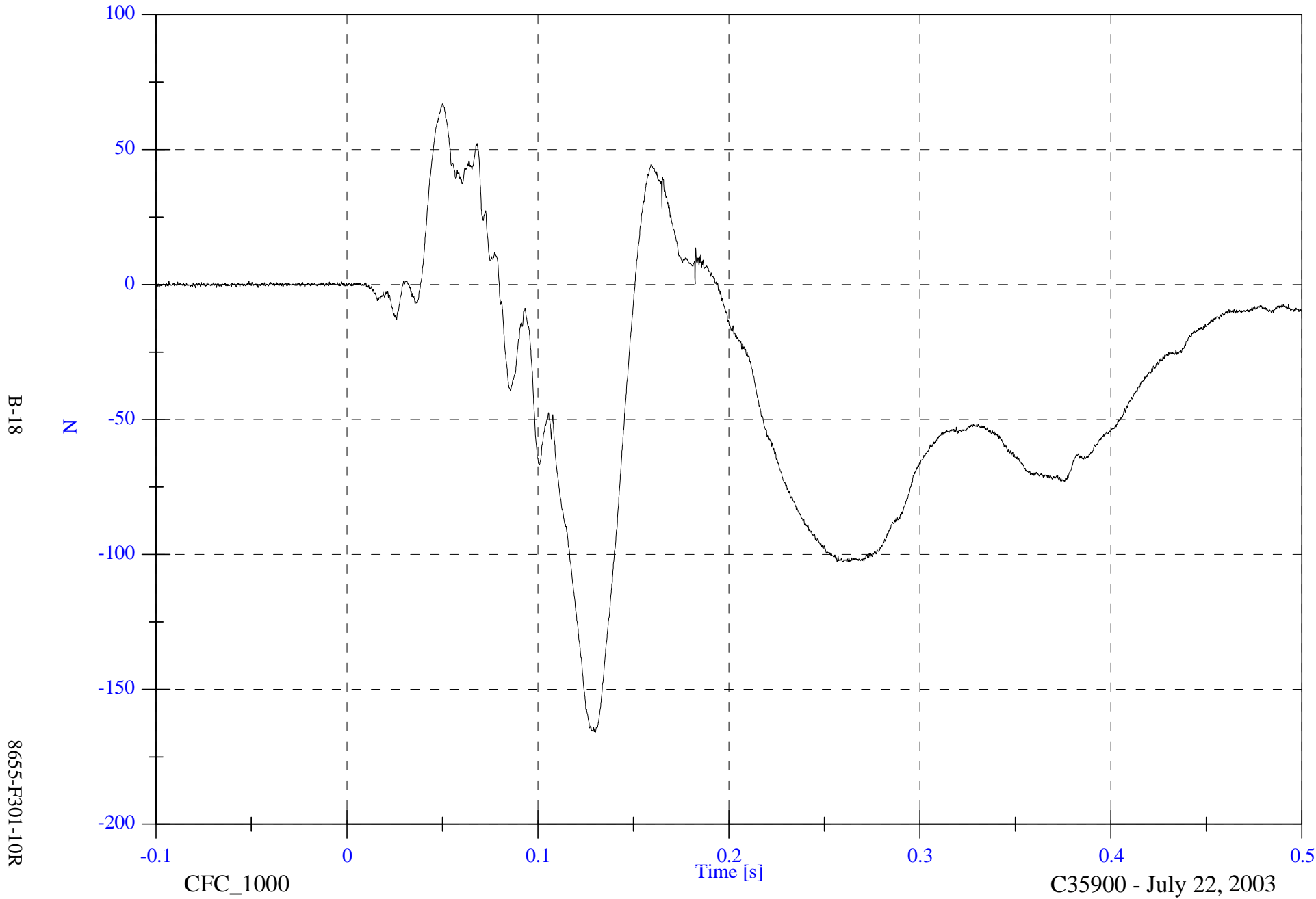
CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck Fx

Max: 67.0 [N] at 0.050 [s]
Min: -165.9 [N] at 0.130 [s]



B-18

8655-F301-10R

CFC_1000

Time [s]

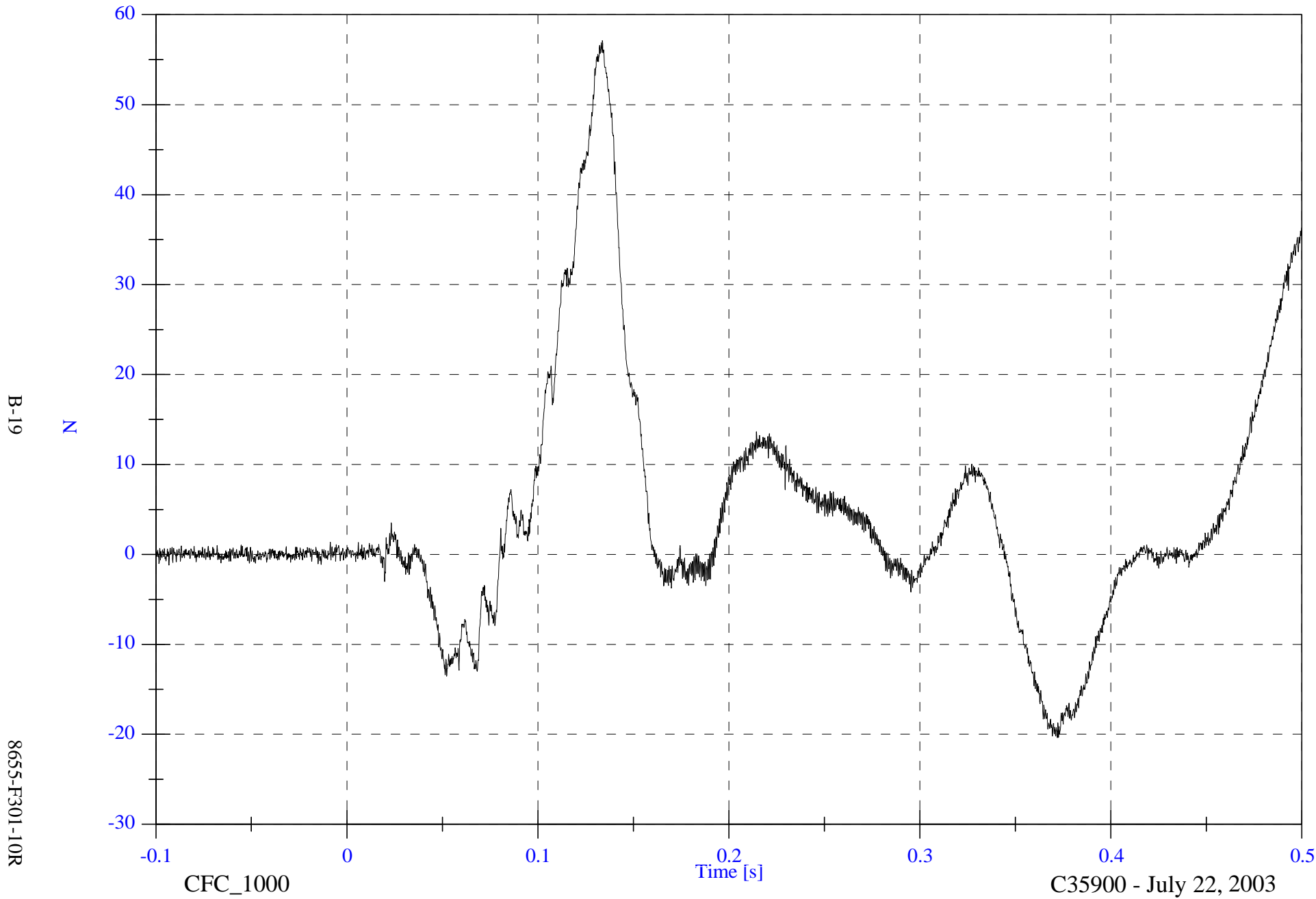
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck Fy

Max: 57.1 [N] at 0.134 [s]

Min: -20.4 [N] at 0.372 [s]



B-19

8655-F301-10R

CFC_1000

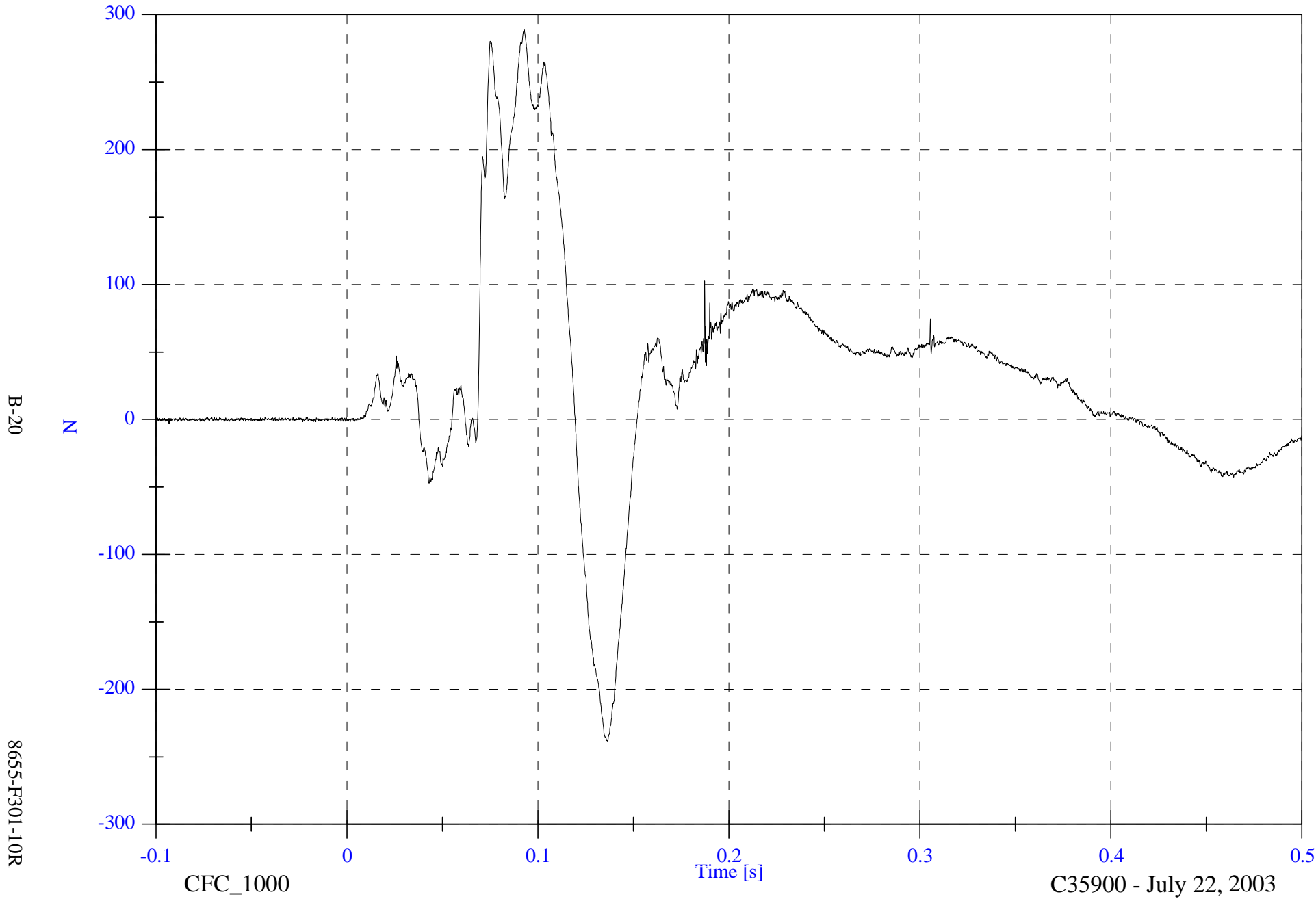
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck Fz

Max: 288.9 [N] at 0.093 [s]

Min: -238.4 [N] at 0.137 [s]



B-20

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

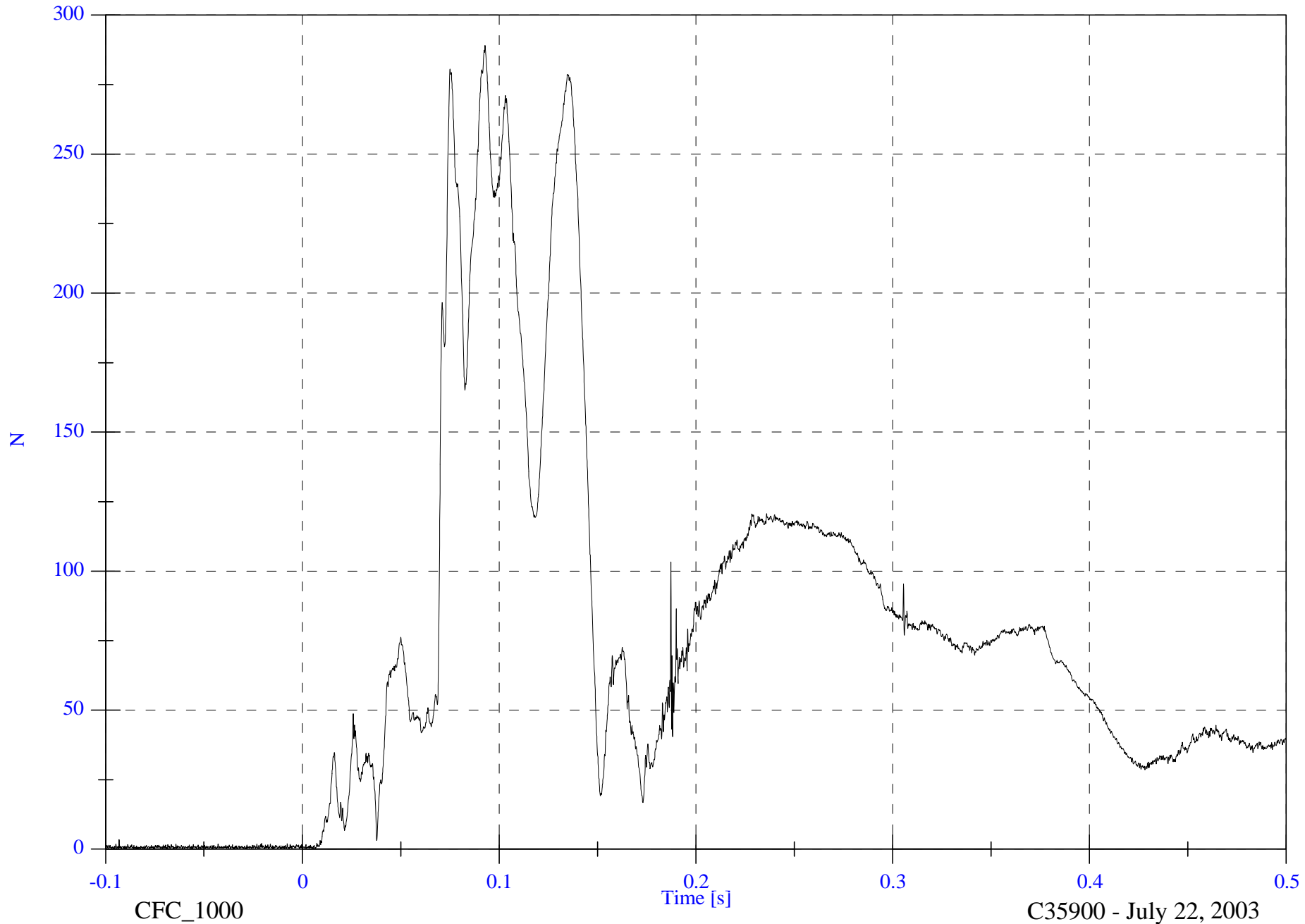
V2P1 Upper Neck F Resultant

Max: 289.1 [N] at 0.093 [s]

Min: 0.1 [N] at -0.094 [s]

B-21

8655-F301-10R



CFC_1000

Time [s]

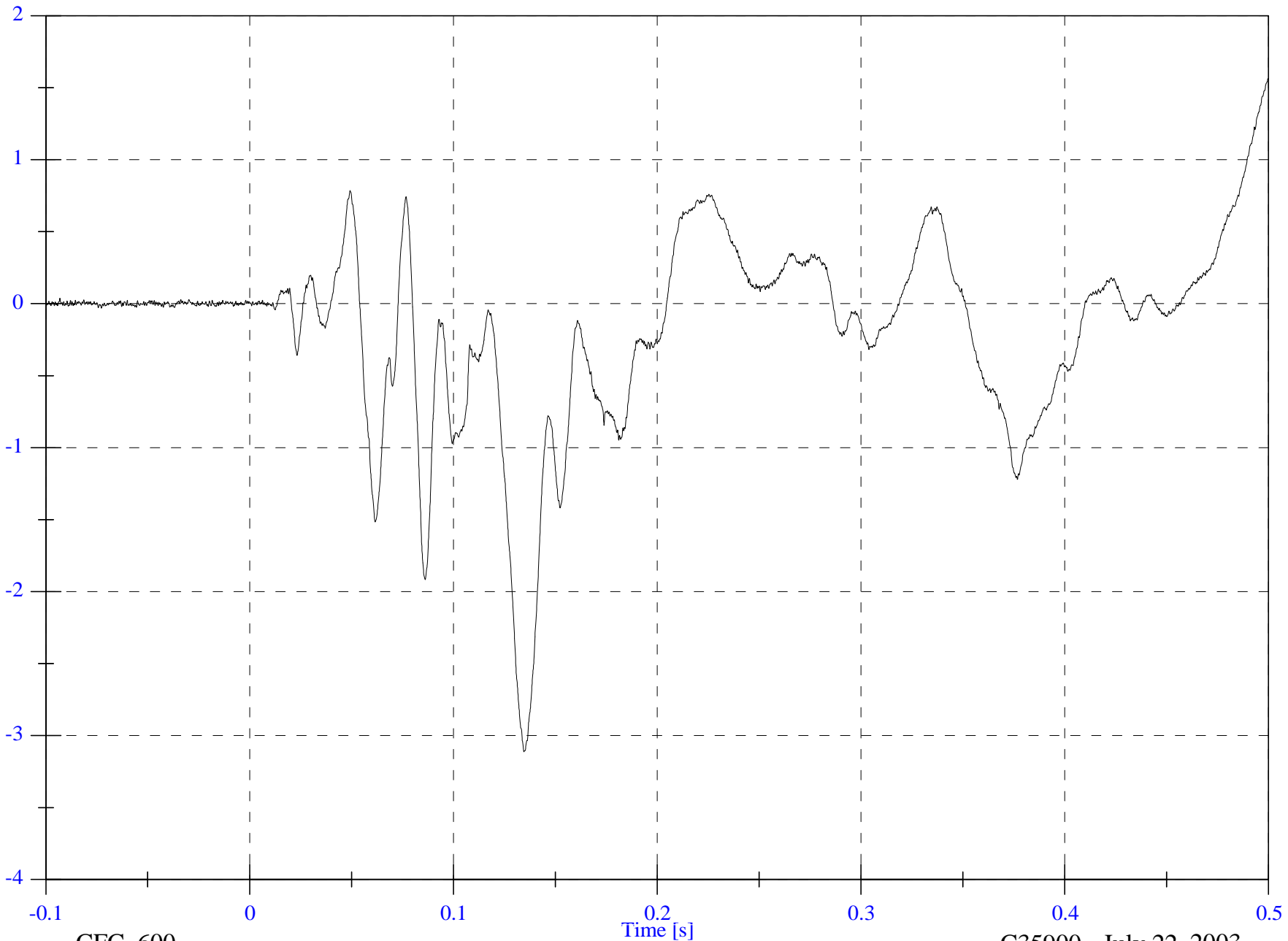
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck Mx

Max: 1.6 [N-m] at 0.500 [s]

Min: -3.1 [N-m] at 0.135 [s]



B-22

8655-F301-10R

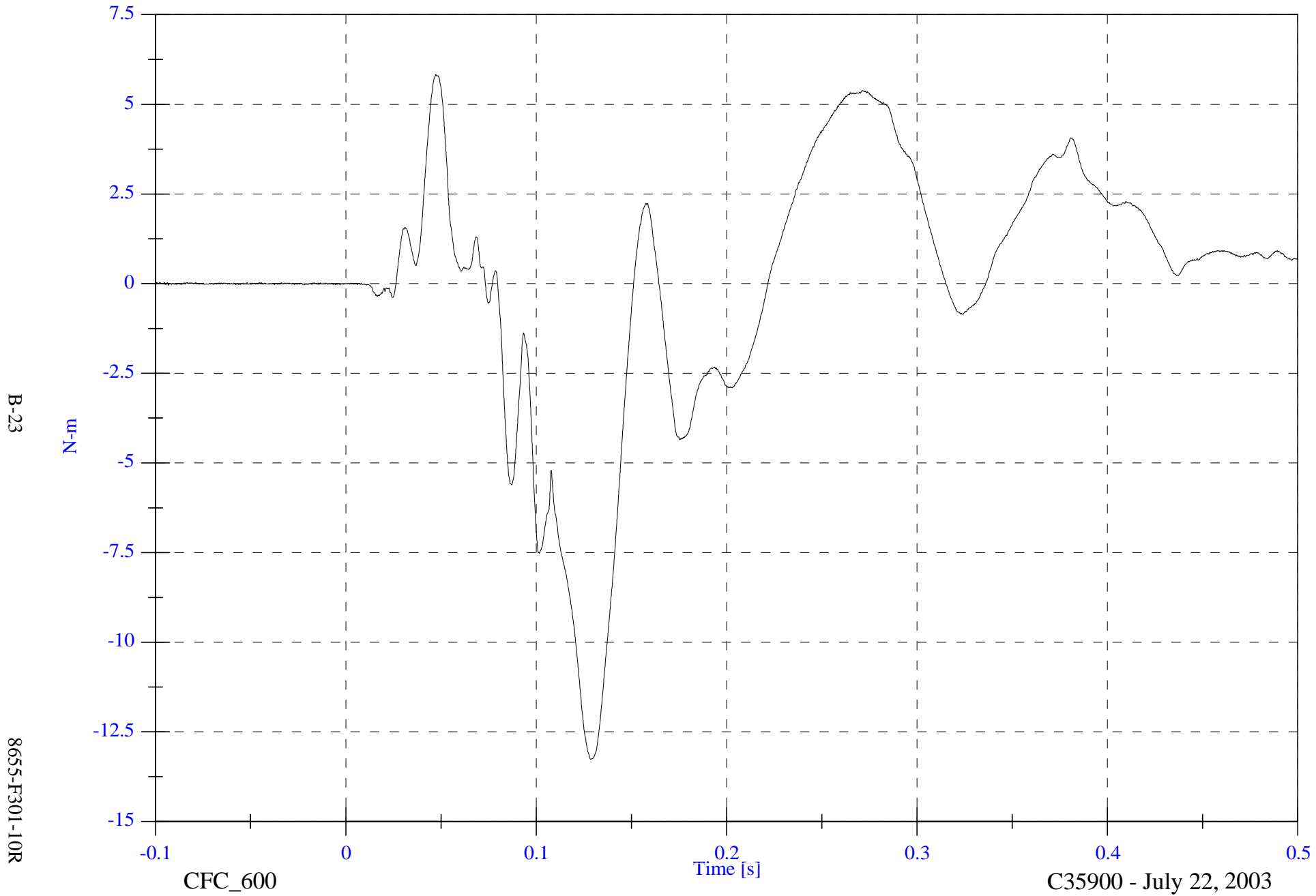
CFC_600

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck My

Max: 5.8 [N-m] at 0.047 [s]
Min: -13.3 [N-m] at 0.129 [s]



B-23

8655-F301-10R

CFC_600

Time [s]

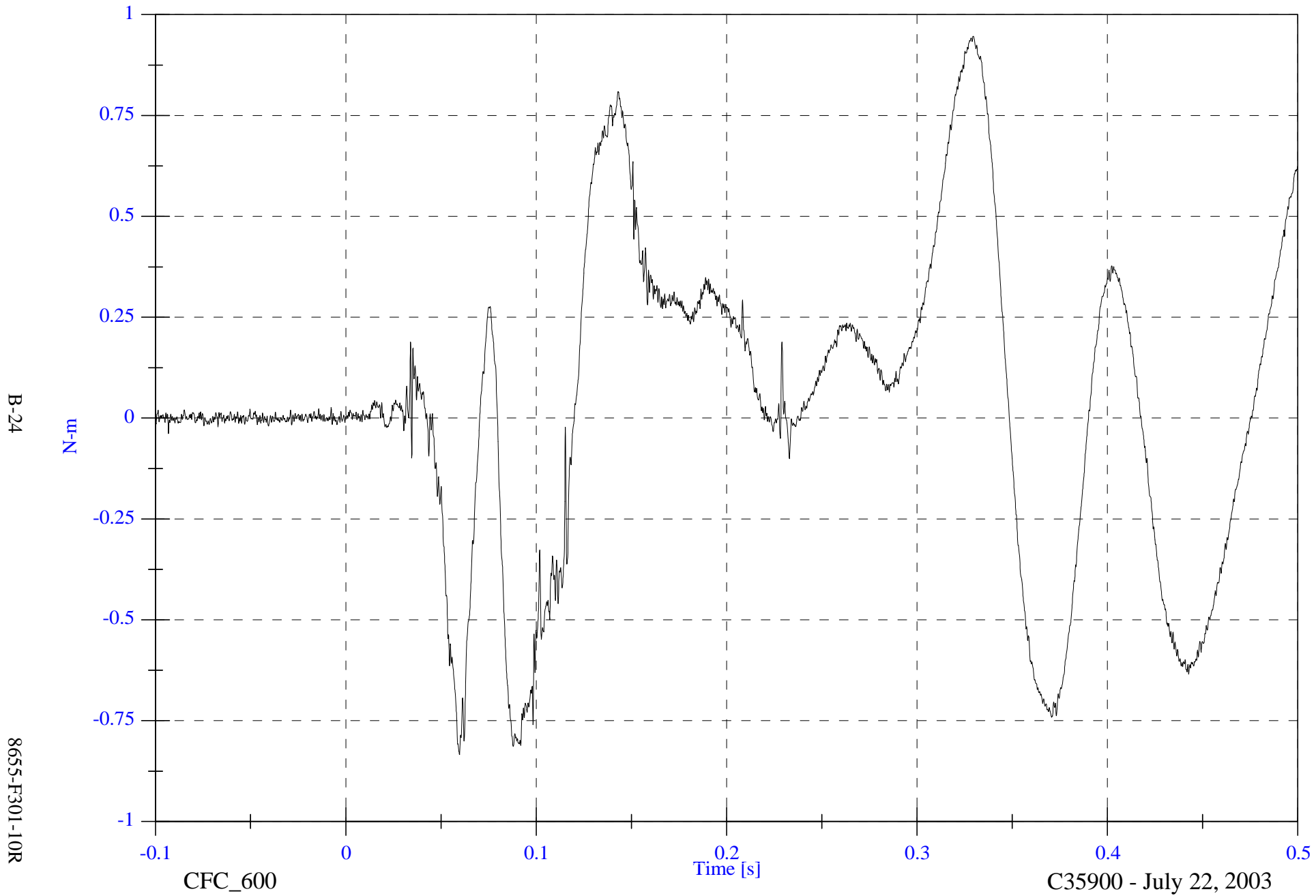
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck Mz

Max: 0.9 [N-m] at 0.330 [s]

Min: -0.8 [N-m] at 0.060 [s]



B-24

8655-F301-10R

CFC_600

Time [s]

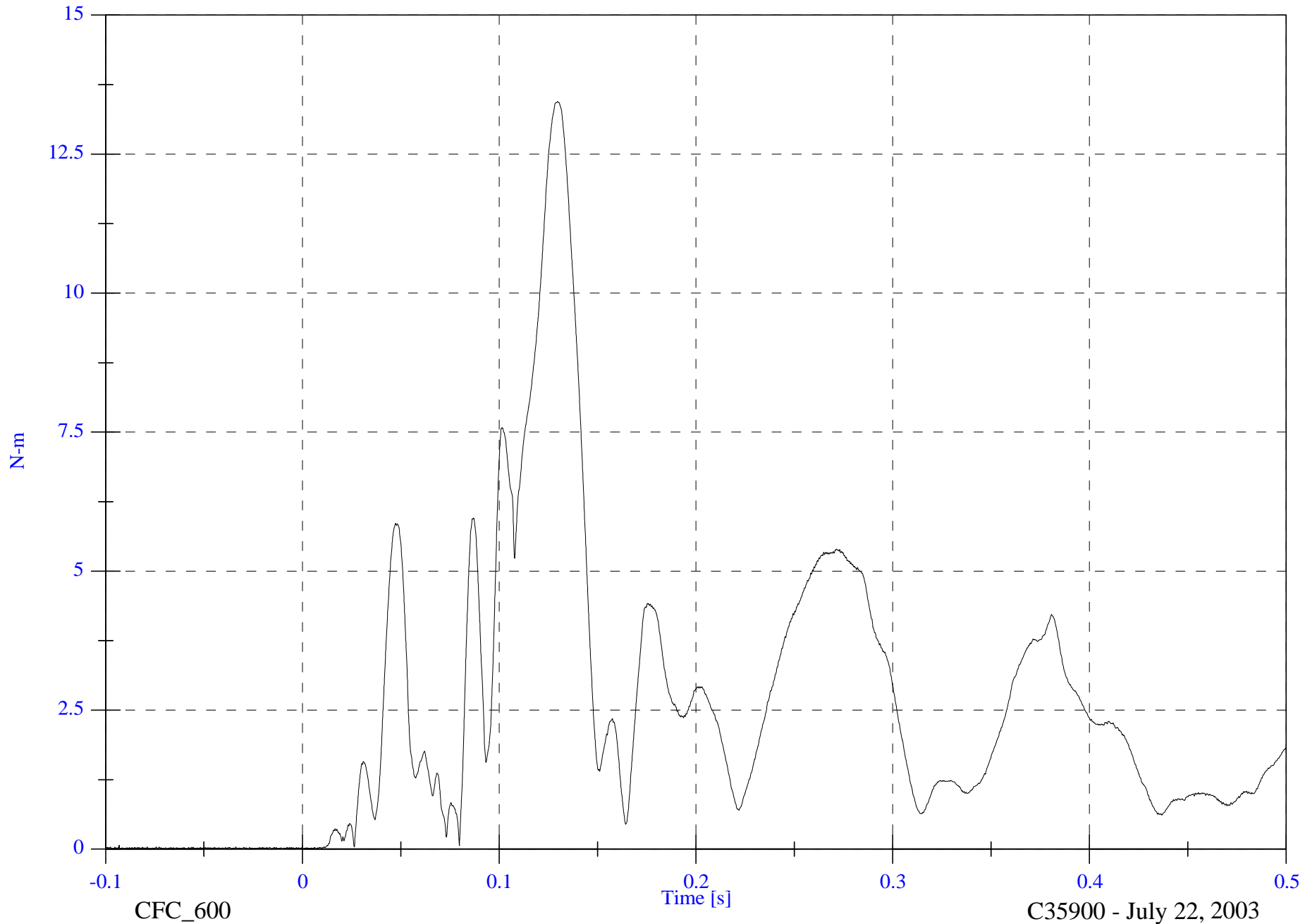
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Upper Neck M Resultant

Max: 13.4 [N-m] at 0.130 [s]

Min: 0.0 [N-m] at -0.031 [s]



B-25

8655-F301-10R

CFC_600

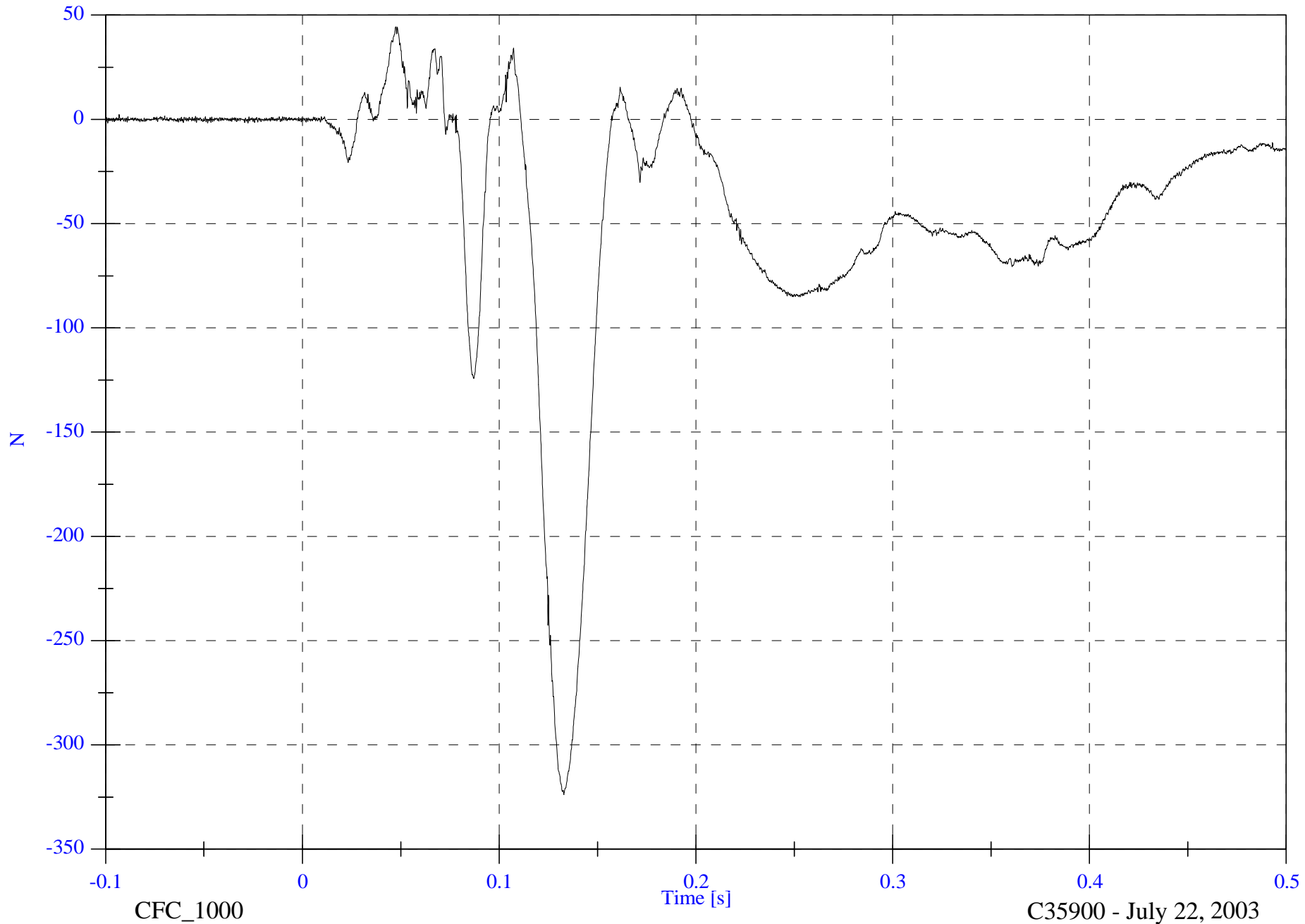
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck Fx

Max: 44.5 [N] at 0.048 [s]

Min: -323.8 [N] at 0.133 [s]



B-26

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck Fy

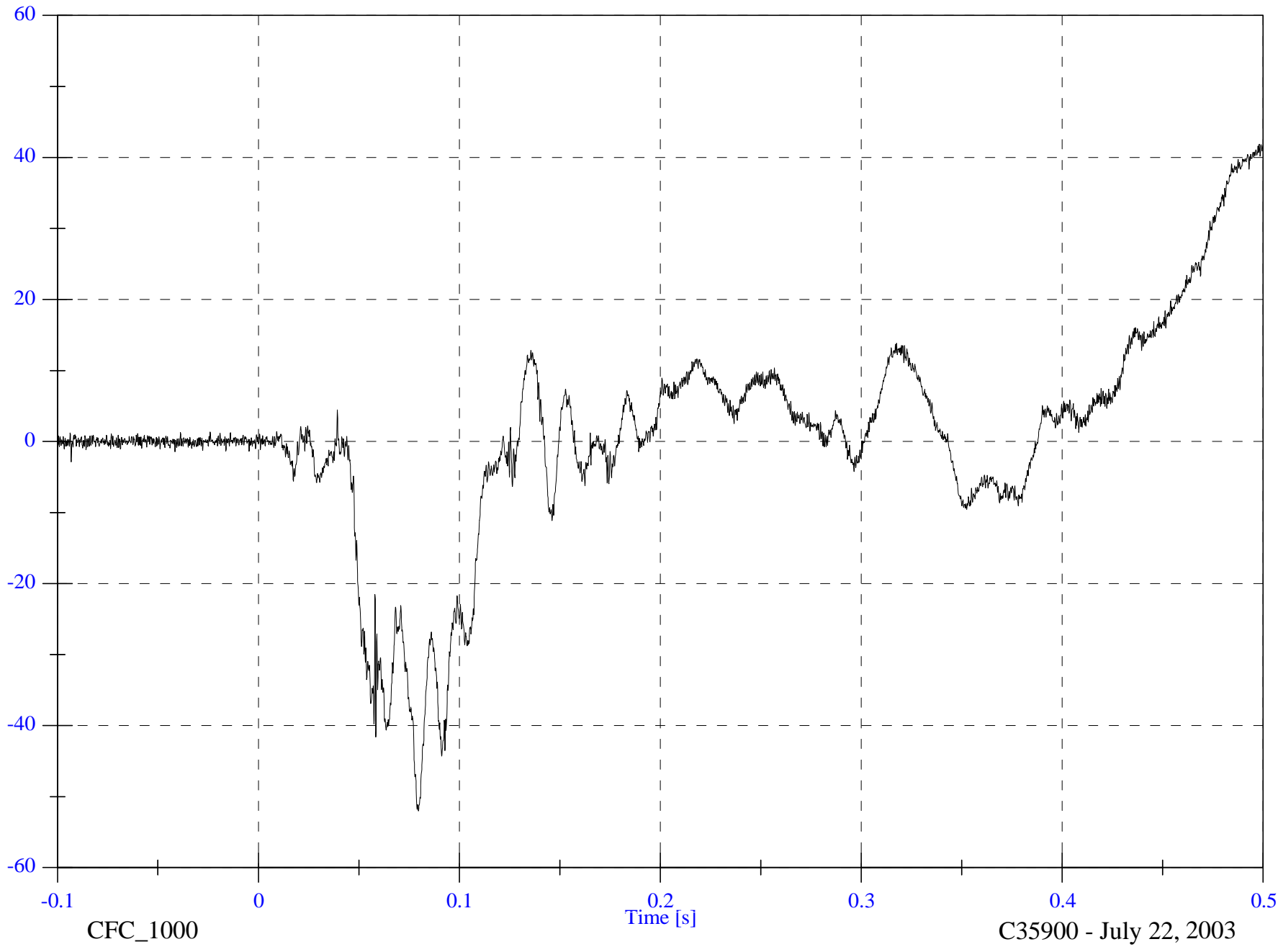
Max: 41.9 [N] at 0.498 [s]

Min: -52.0 [N] at 0.080 [s]

B-27

N

8655-F301-10R



CFC_1000

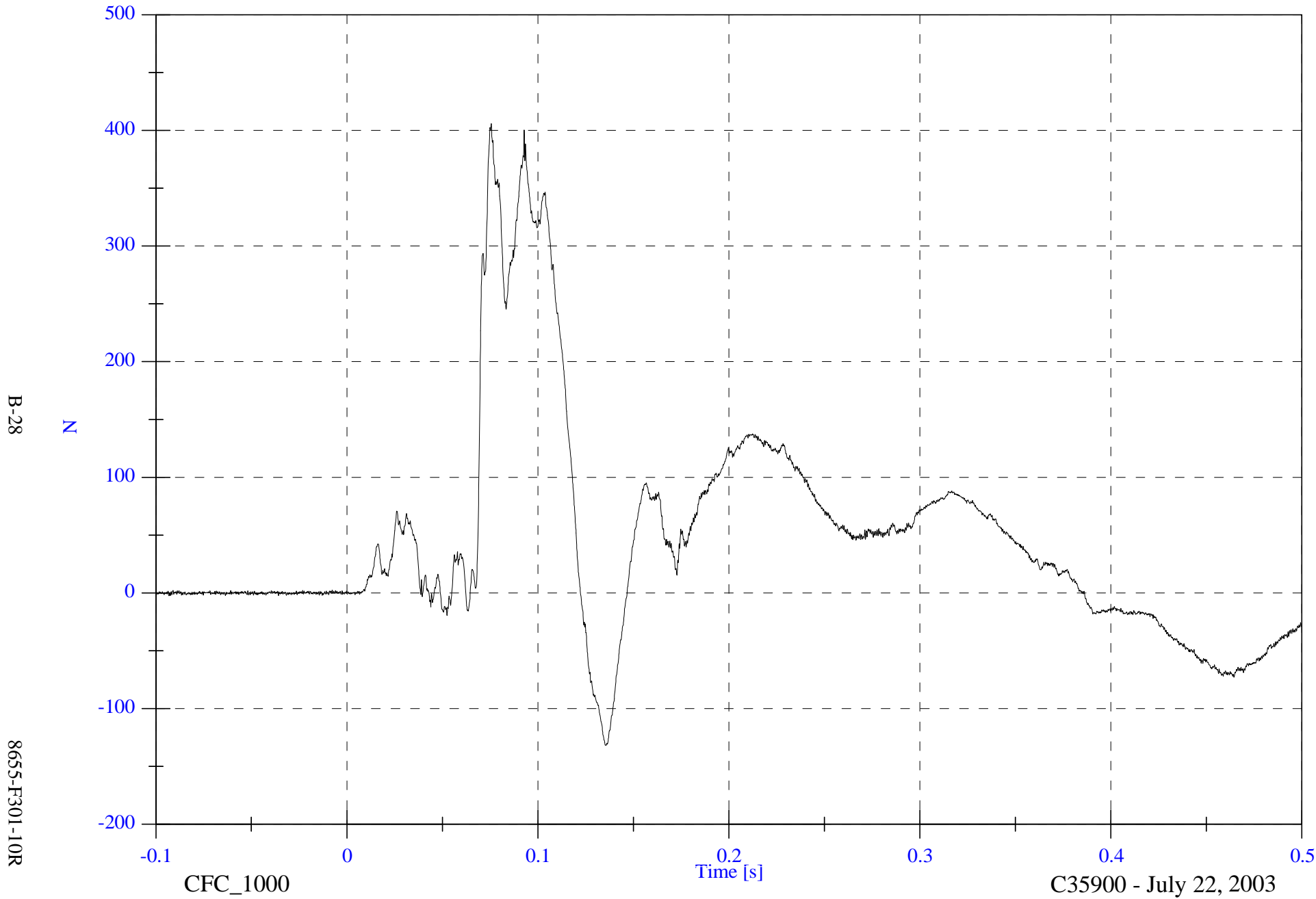
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck Fz

Max: 405.8 [N] at 0.076 [s]

Min: -131.7 [N] at 0.135 [s]



B-28

8655-F301-10R

CFC_1000

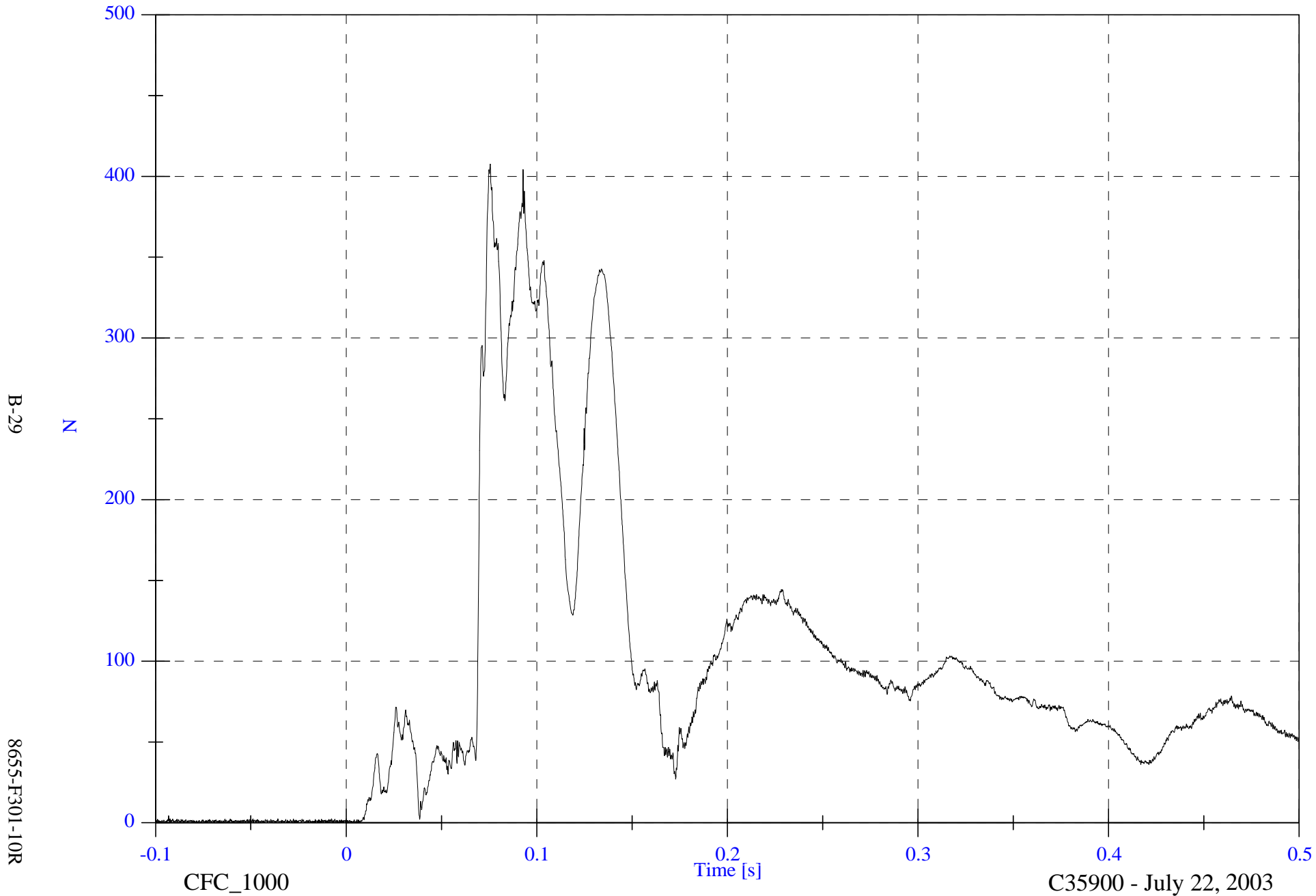
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck F Resultant

Max: 407.6 [N] at 0.076 [s]

Min: 0.1 [N] at -0.079 [s]



B-29

8655-F301-10R

CFC_1000

Time [s]

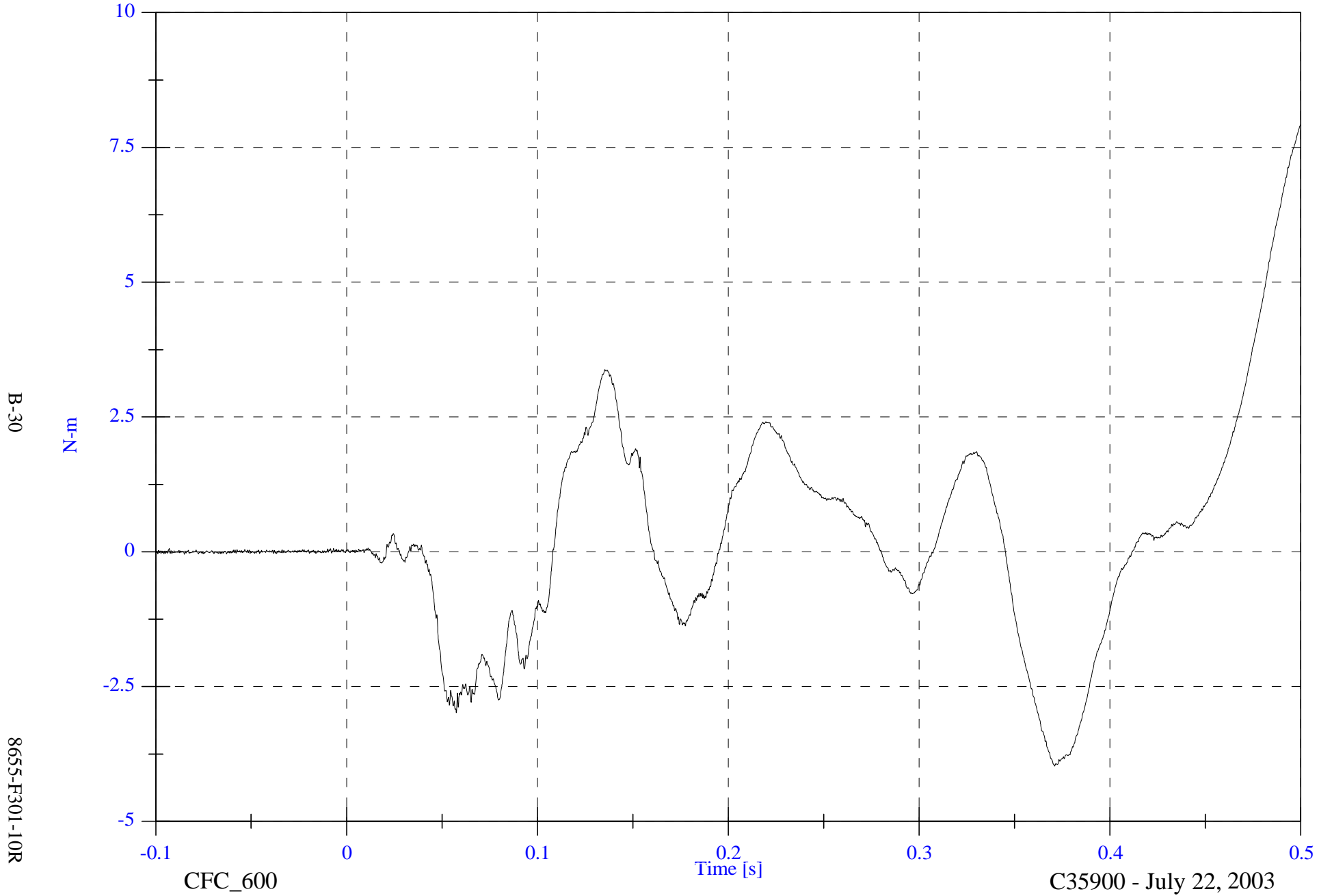
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck Mx

Max: 7.9 [N-m] at 0.500 [s]

Min: -4.0 [N-m] at 0.371 [s]



B-30

8655-F301-10R

CFC_600

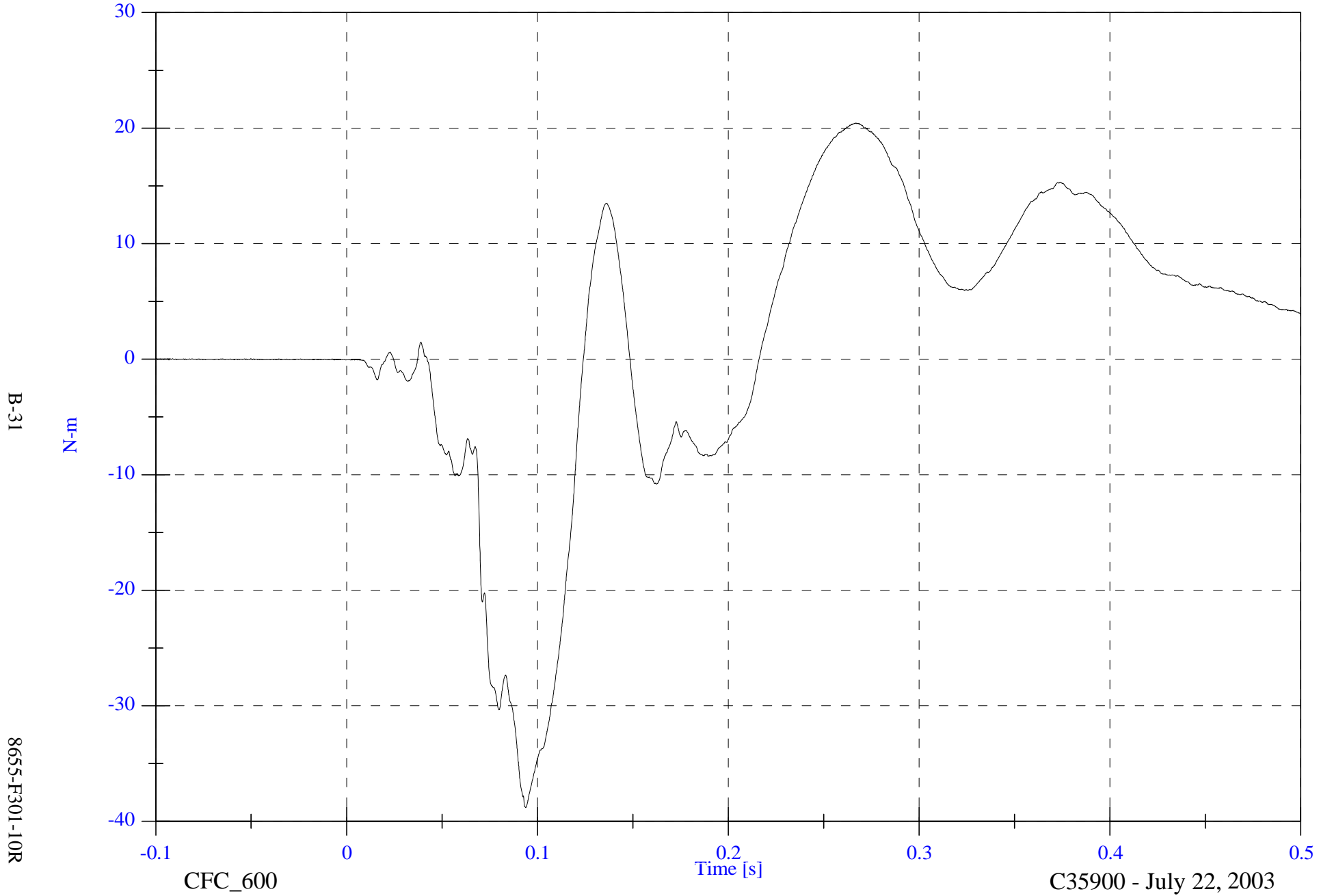
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck My

Max: 20.4 [N-m] at 0.267 [s]

Min: -38.8 [N-m] at 0.094 [s]



B-31

8655-F301-10R

CFC_600

Time [s]

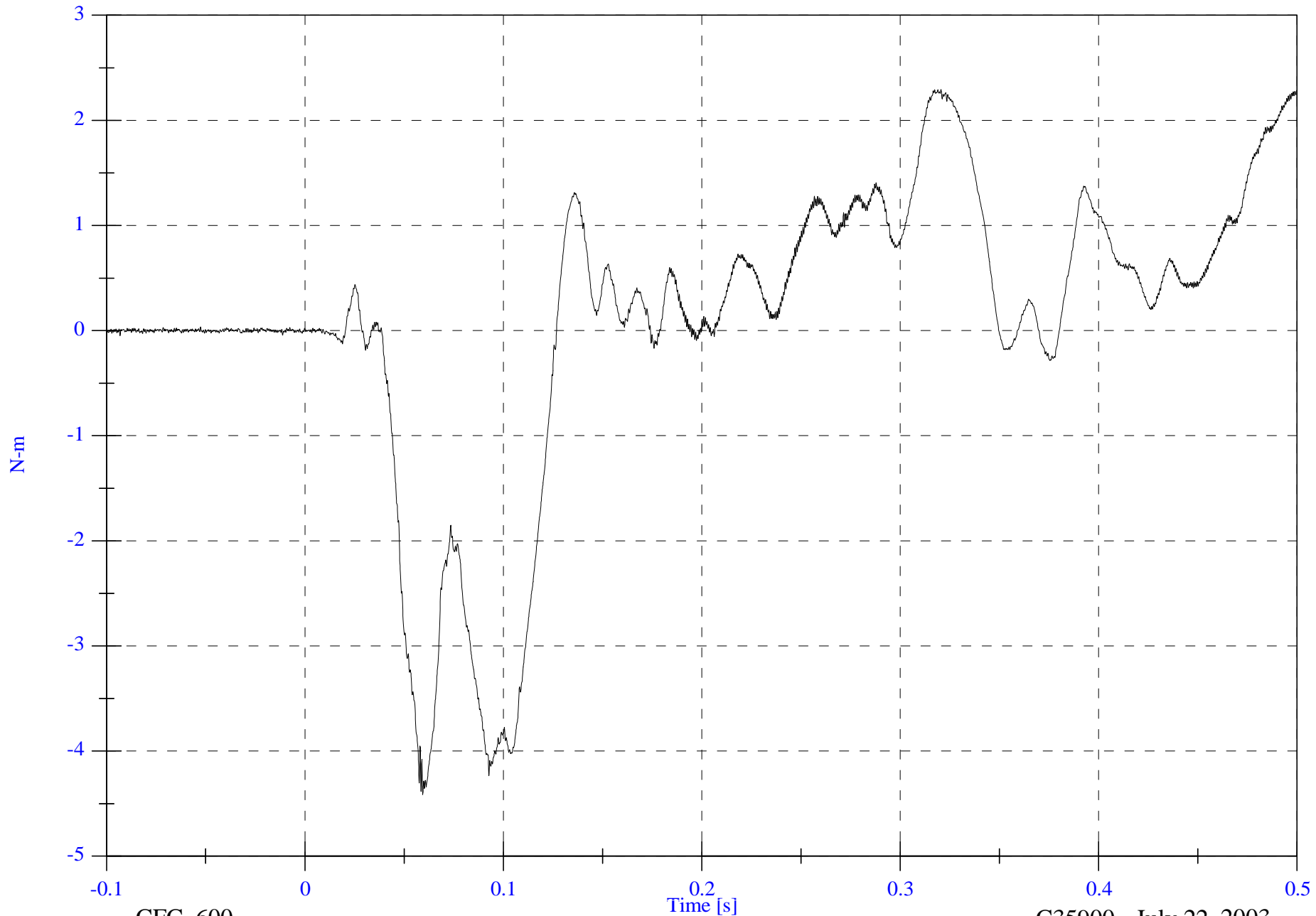
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck Mz

Max: 2.3 [N-m] at 0.321 [s]

Min: -4.4 [N-m] at 0.059 [s]



B-32

8655-F301-10R

CFC_600

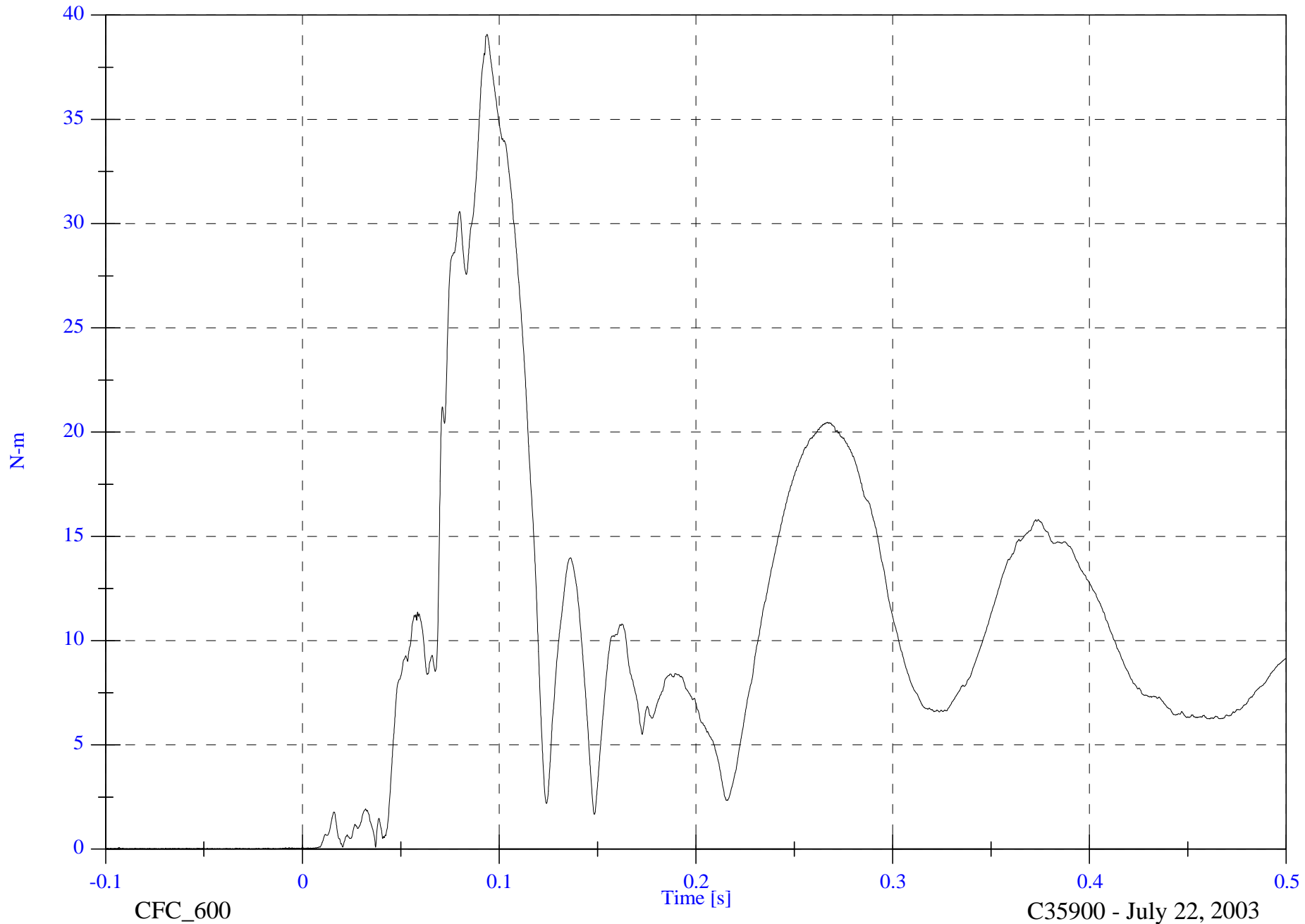
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck M Resultant

Max: 39.1 [N-m] at 0.094 [s]

Min: 0.0 [N-m] at -0.012 [s]



B-33

8655-F301-10R

CFC_600

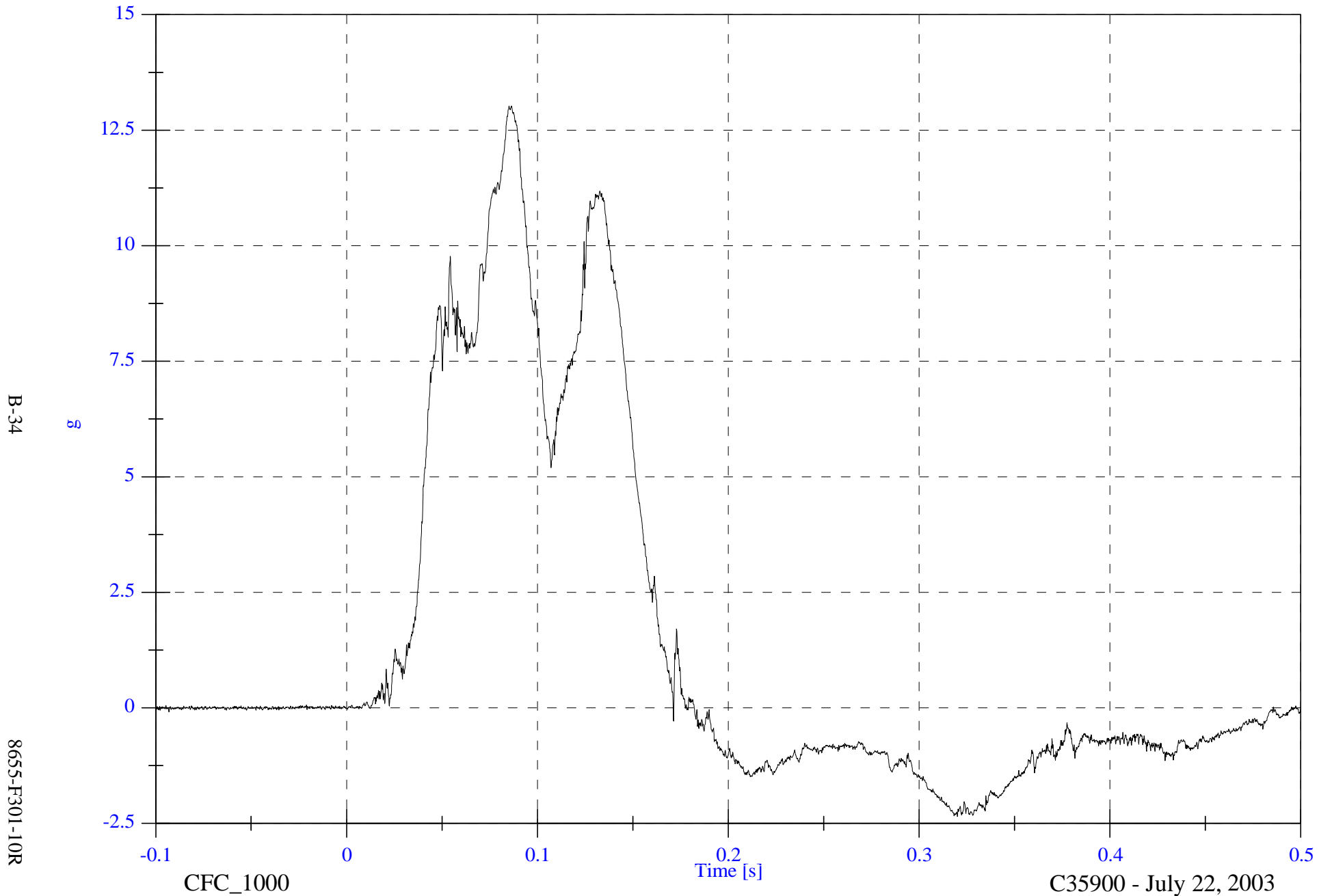
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Lower Neck x

Max: 13.0 [g] at 0.085 [s]

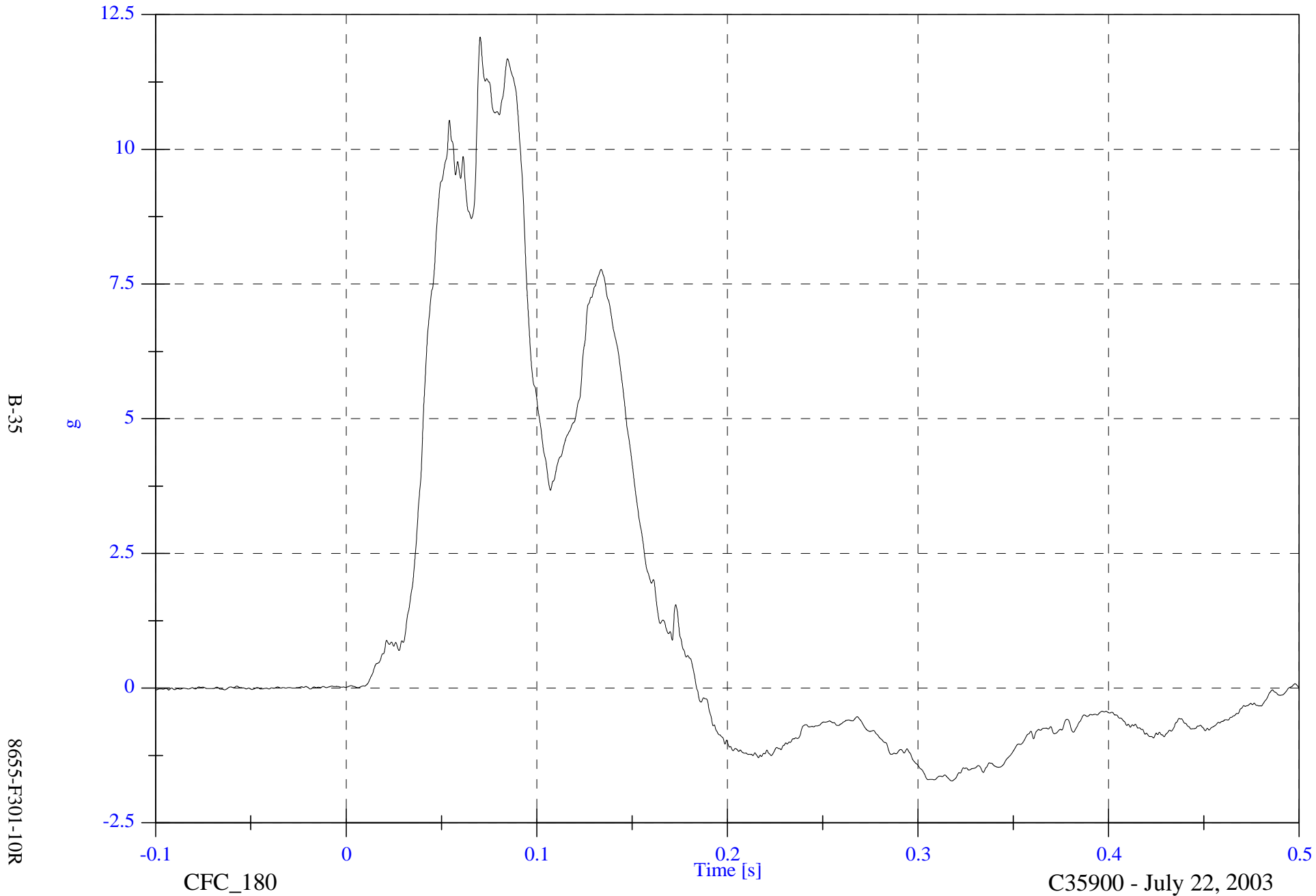
Min: -2.4 [g] at 0.320 [s]



FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Chest Ax

Max: 12.1 [g] at 0.070 [s]
Min: -1.7 [g] at 0.318 [s]



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Chest Ay

Max: 0.6 [g] at 0.439 [s]

Min: -1.3 [g] at 0.070 [s]



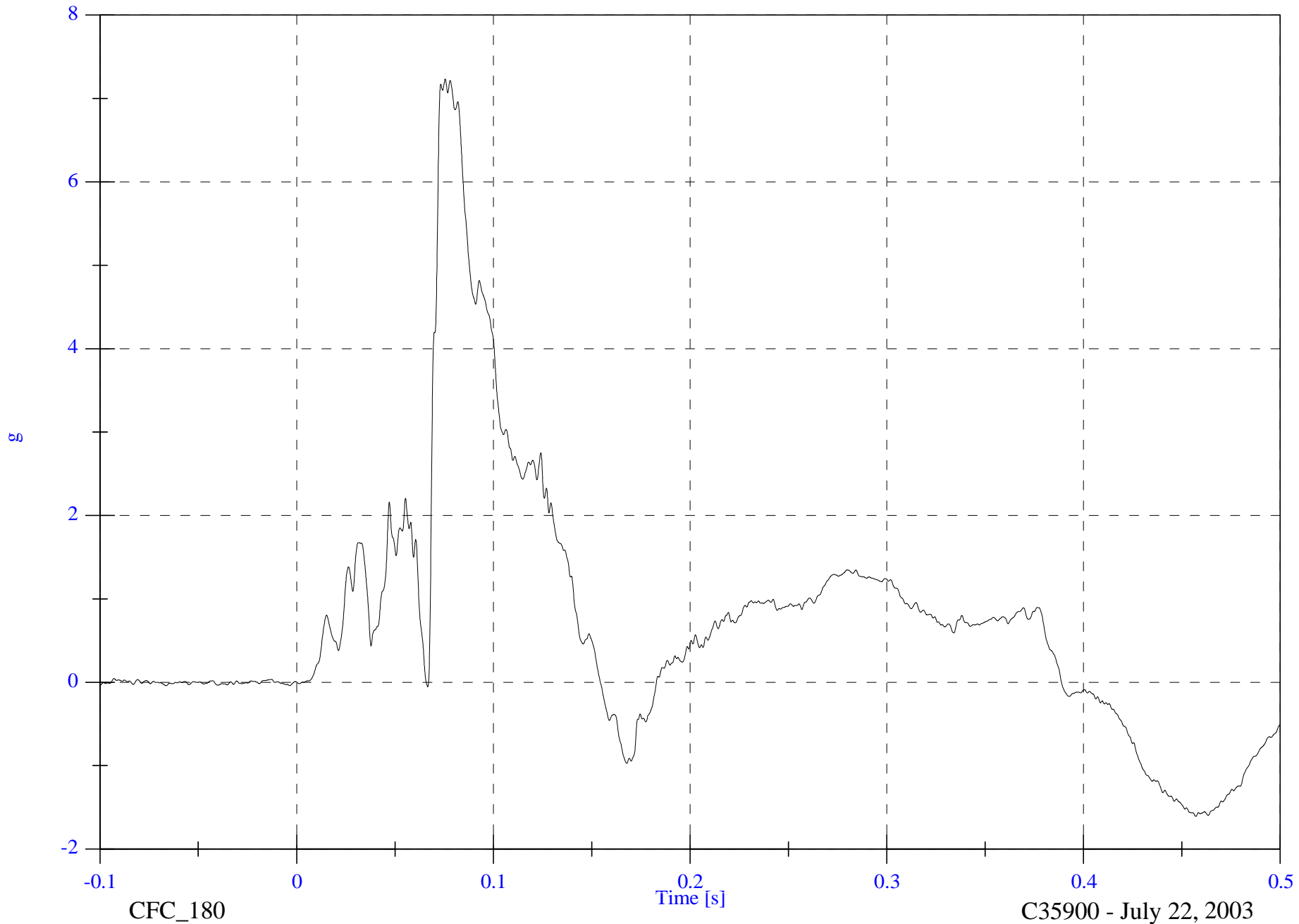
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Chest Az

Max: 7.2 [g] at 0.076 [s]
Min: -1.6 [g] at 0.457 [s]

B-37

8655-F301-10R



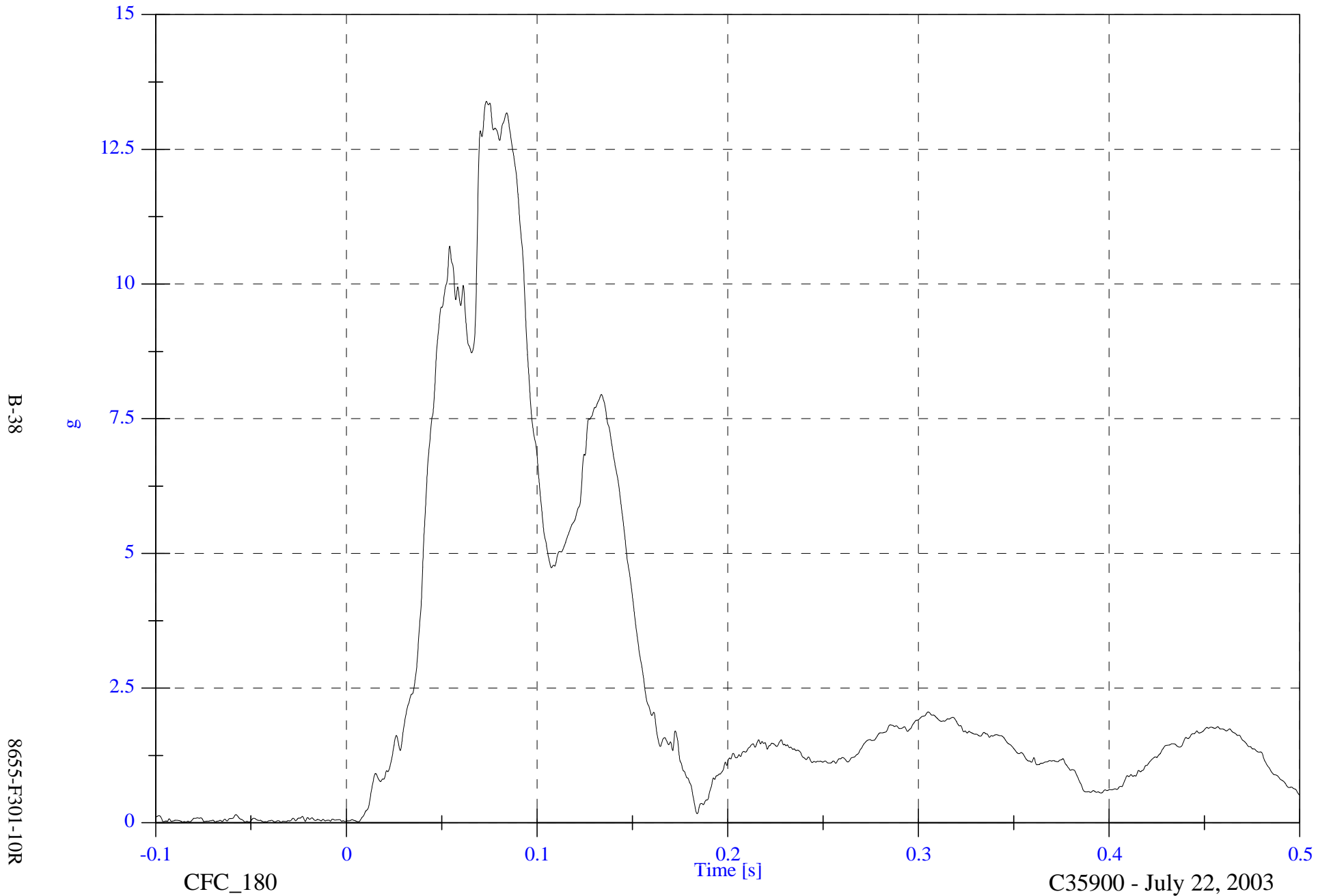
CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Chest A Resultant

Max: 13.4 [g] at 0.073 [s]
Min: 0.0 [g] at -0.034 [s]

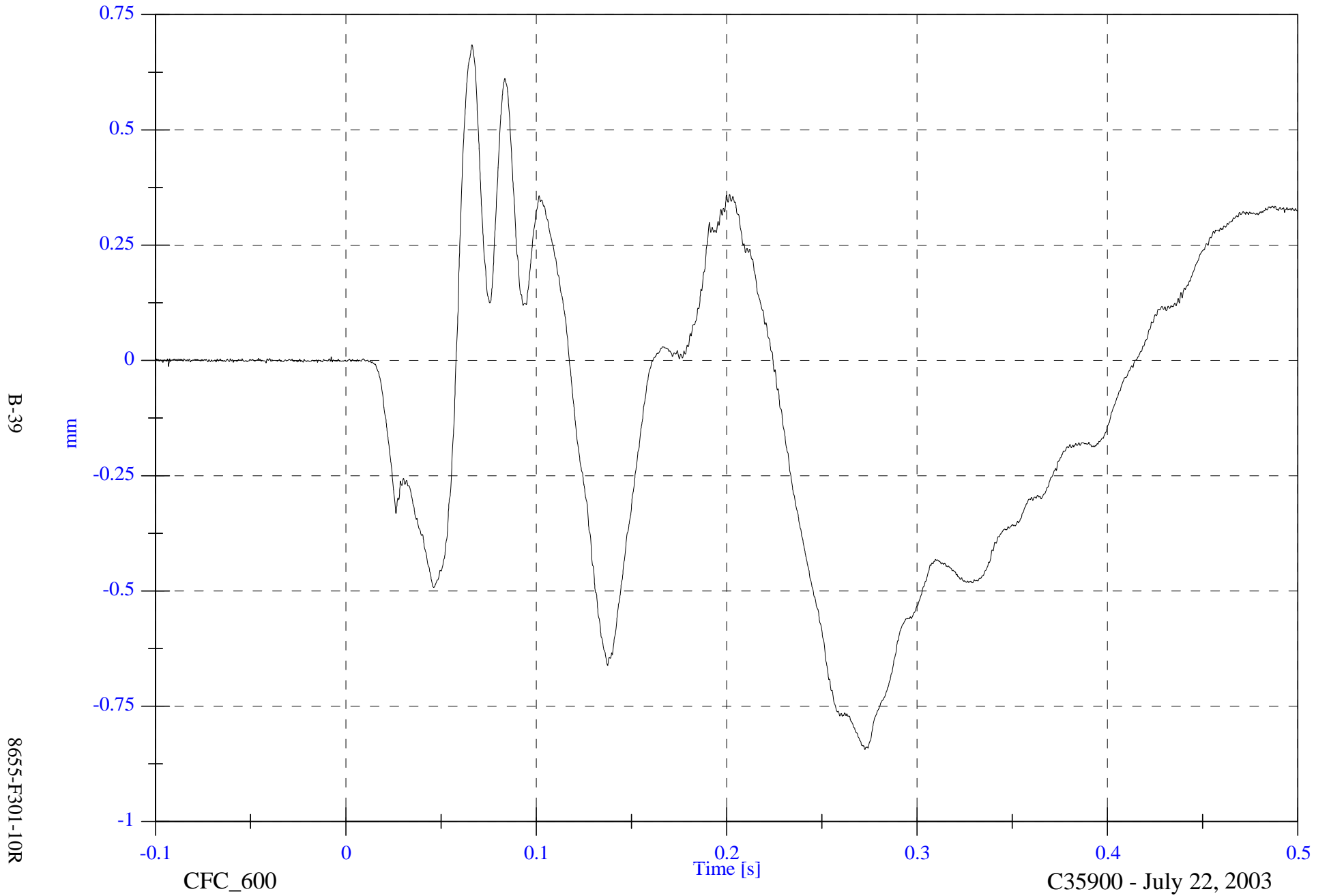


FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Chest Dx

Max: 0.7 [mm] at 0.066 [s]

Min: -0.8 [mm] at 0.273 [s]



B-39

8655-F301-10R

CFC_600

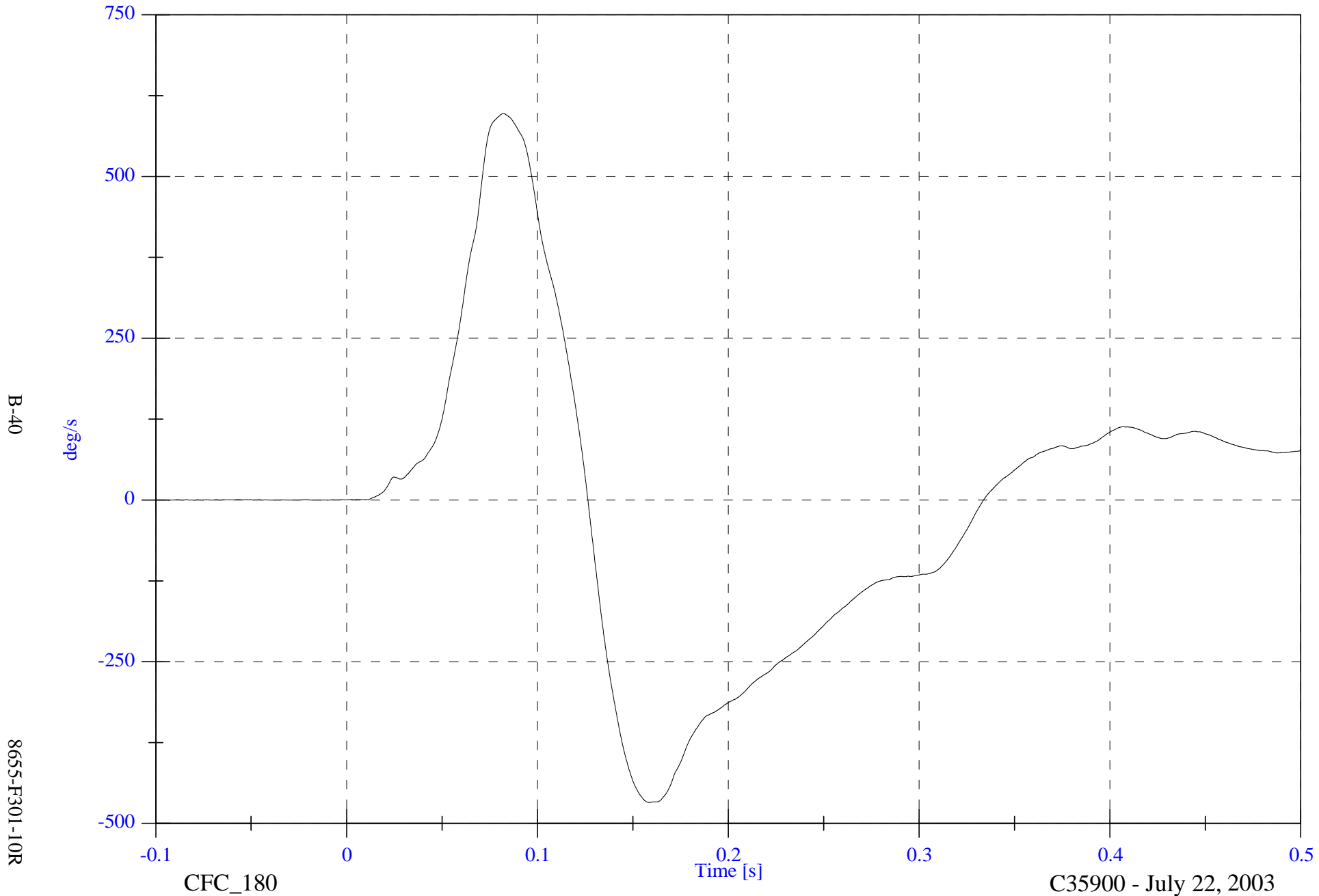
Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Chest AVy

Max: 597.2 [deg/s] at 0.082 [s]
Min: -467.7 [deg/s] at 0.159 [s]



FMVSS 301 Test 1 - 2003 Volvo V70

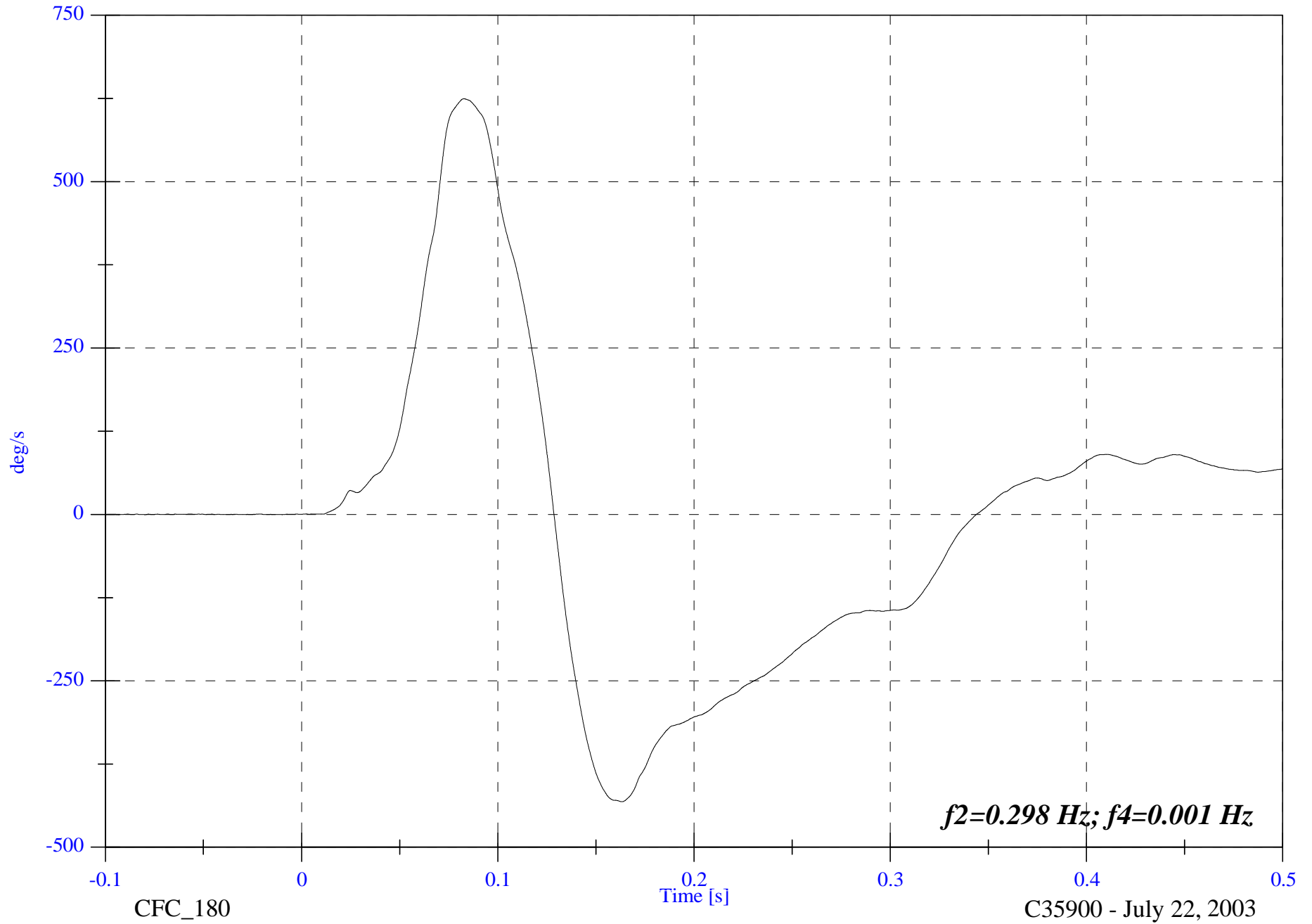
V2P1 Chest Comp AVy

Max: 624.4 [deg/s] at 0.083 [s]

Min: -431.7 [deg/s] at 0.163 [s]

B-41

8655-F301-10R



$f_2=0.298\text{ Hz}; f_4=0.001\text{ Hz}$

FMVSS 301 Test 1 - 2003 Volvo V70

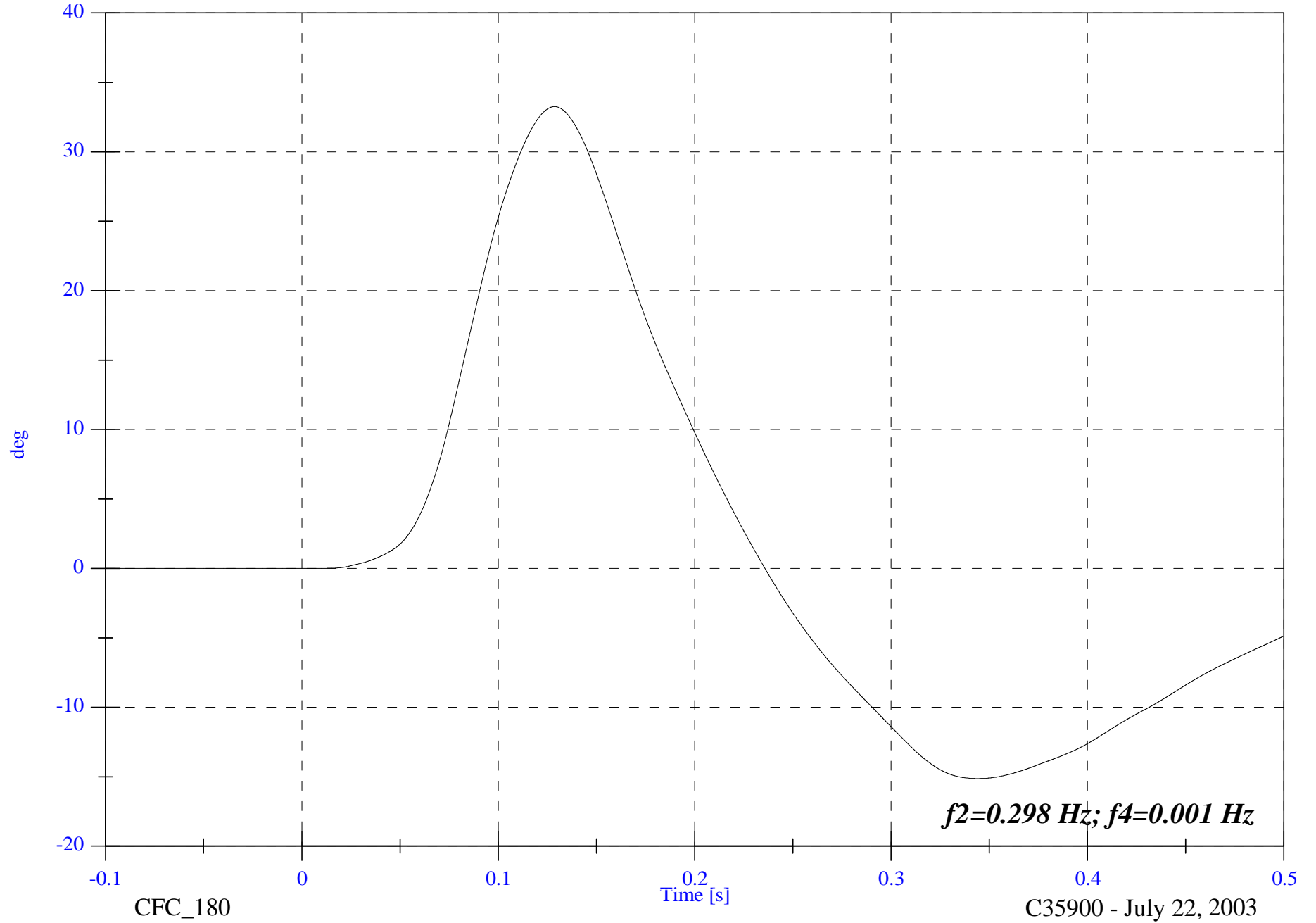
V2P1 Chest Comp ADy

Max: 33.3 [deg] at 0.129 [s]

Min: -15.1 [deg] at 0.344 [s]

B-42

8655-F301-10R



CFC_180

Time [s]

C35900 - July 22, 2003

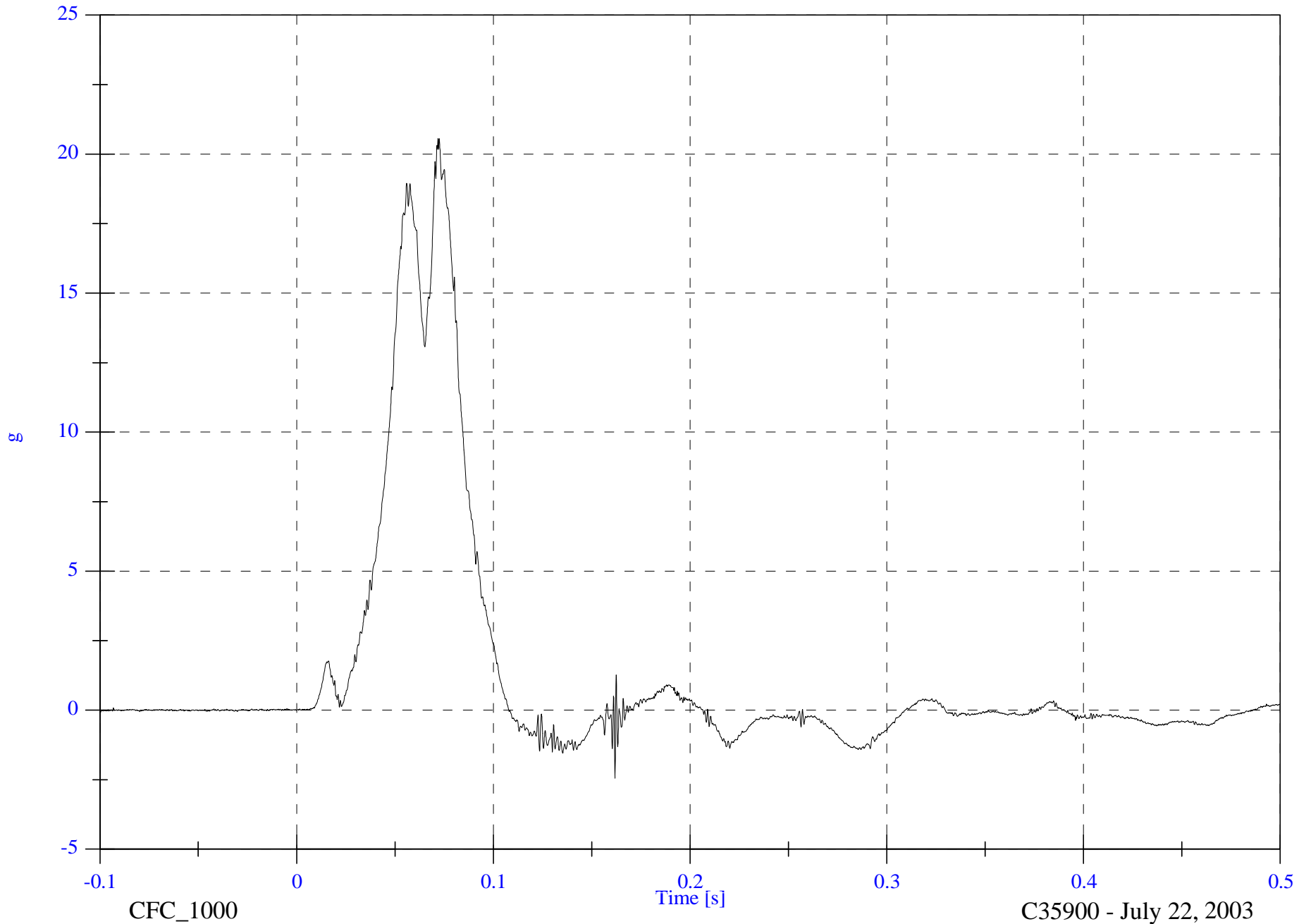
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Pelvic Ax

Max: 20.6 [g] at 0.072 [s]
Min: -2.4 [g] at 0.162 [s]

B-43

8655-F301-10R



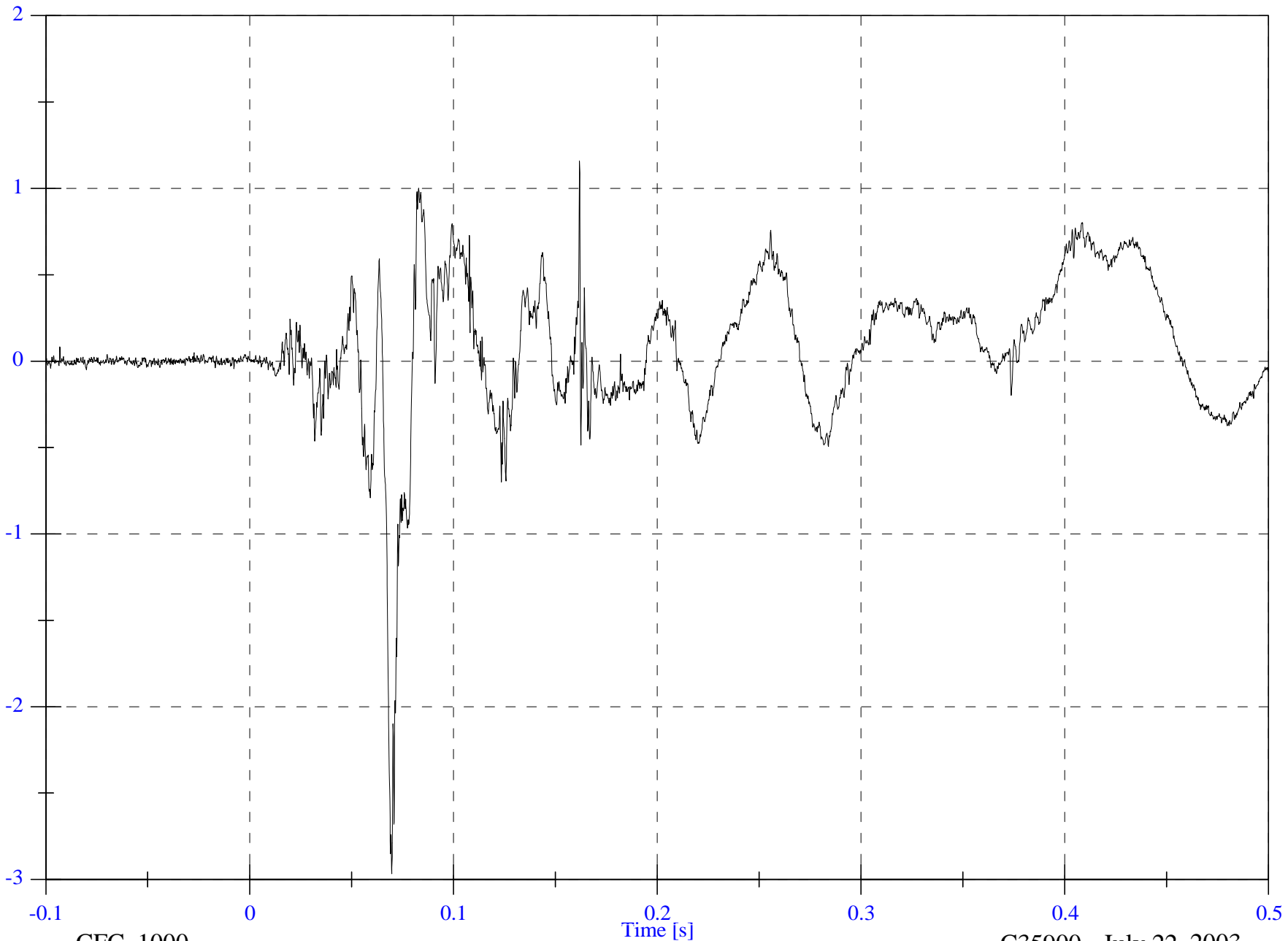
CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Pelvic Ay

Max: 1.2 [g] at 0.162 [s]
Min: -3.0 [g] at 0.070 [s]



B-44

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Pelvic Az

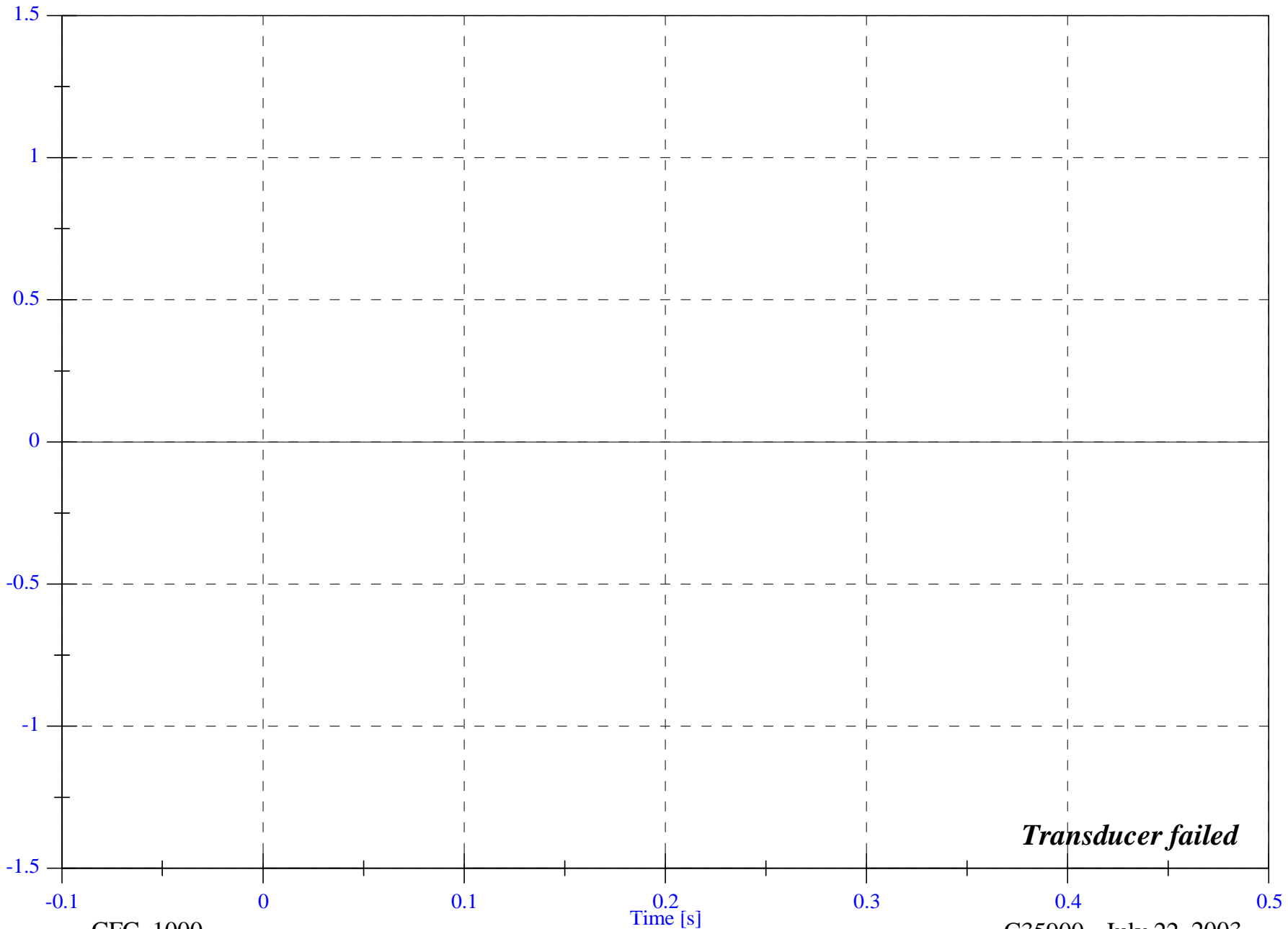
Max: 0.0 [g] at -0.100 [s]

Min: 0.0 [g] at -0.100 [s]

B-45

g

8655-F301-10R



CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

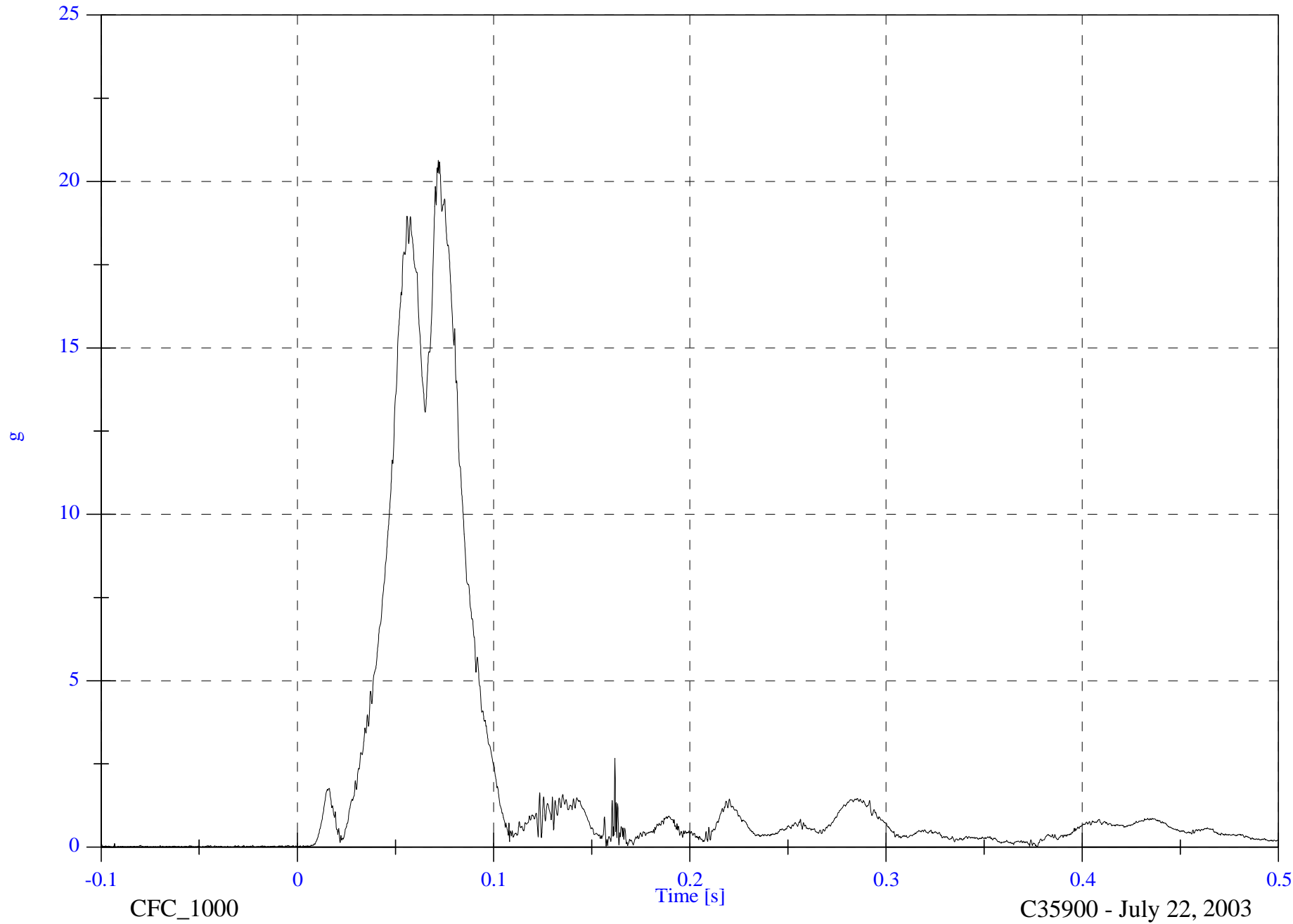
V2P1 Pelvic A Resultant

Max: 20.6 [g] at 0.072 [s]

Min: 0.0 [g] at -0.030 [s]

B-46

8655-F301-10R



CFC_1000

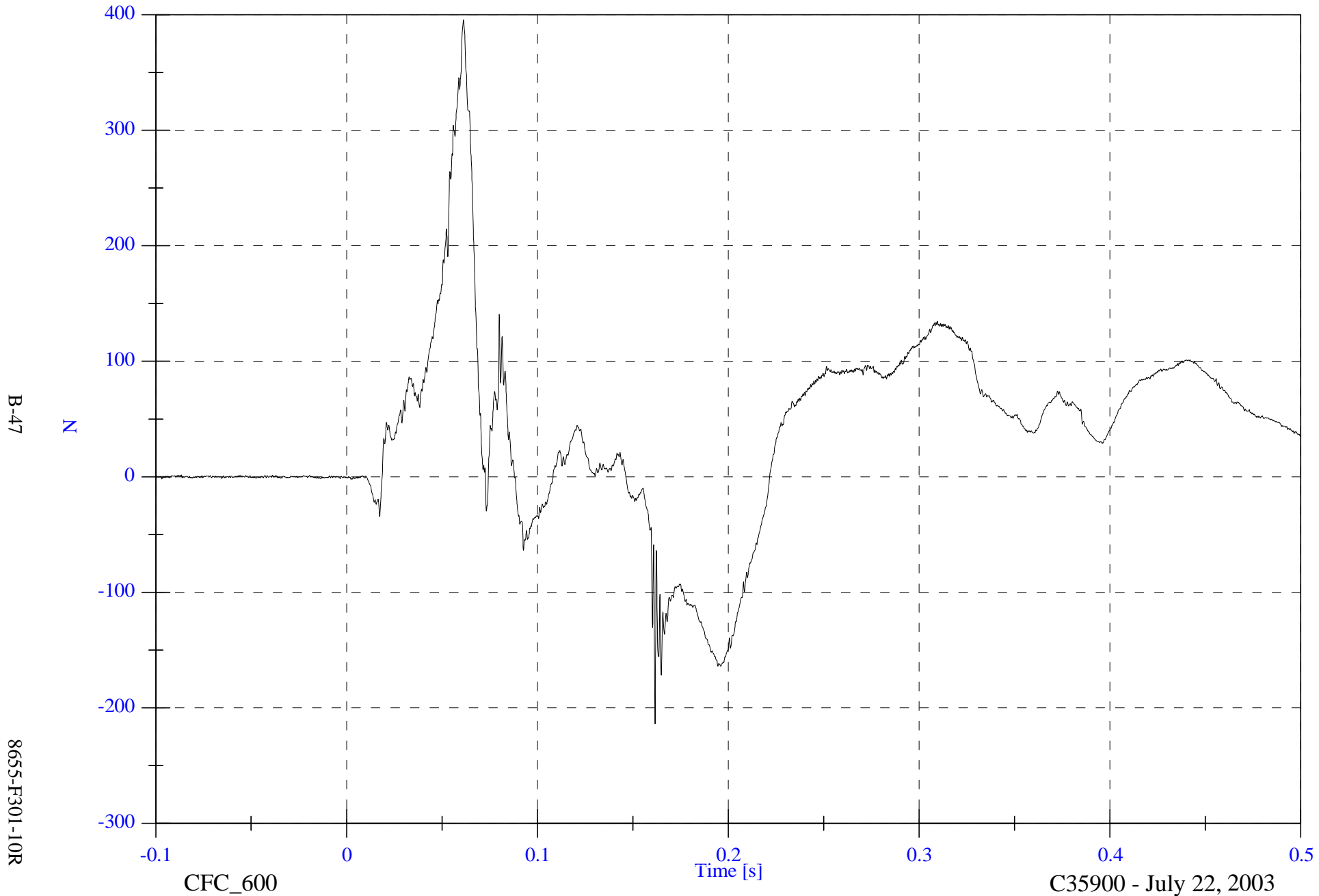
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Left Femur Fz

Max: 395.7 [N] at 0.061 [s]

Min: -213.7 [N] at 0.162 [s]



B-47

8655-F301-10R

CFC_600

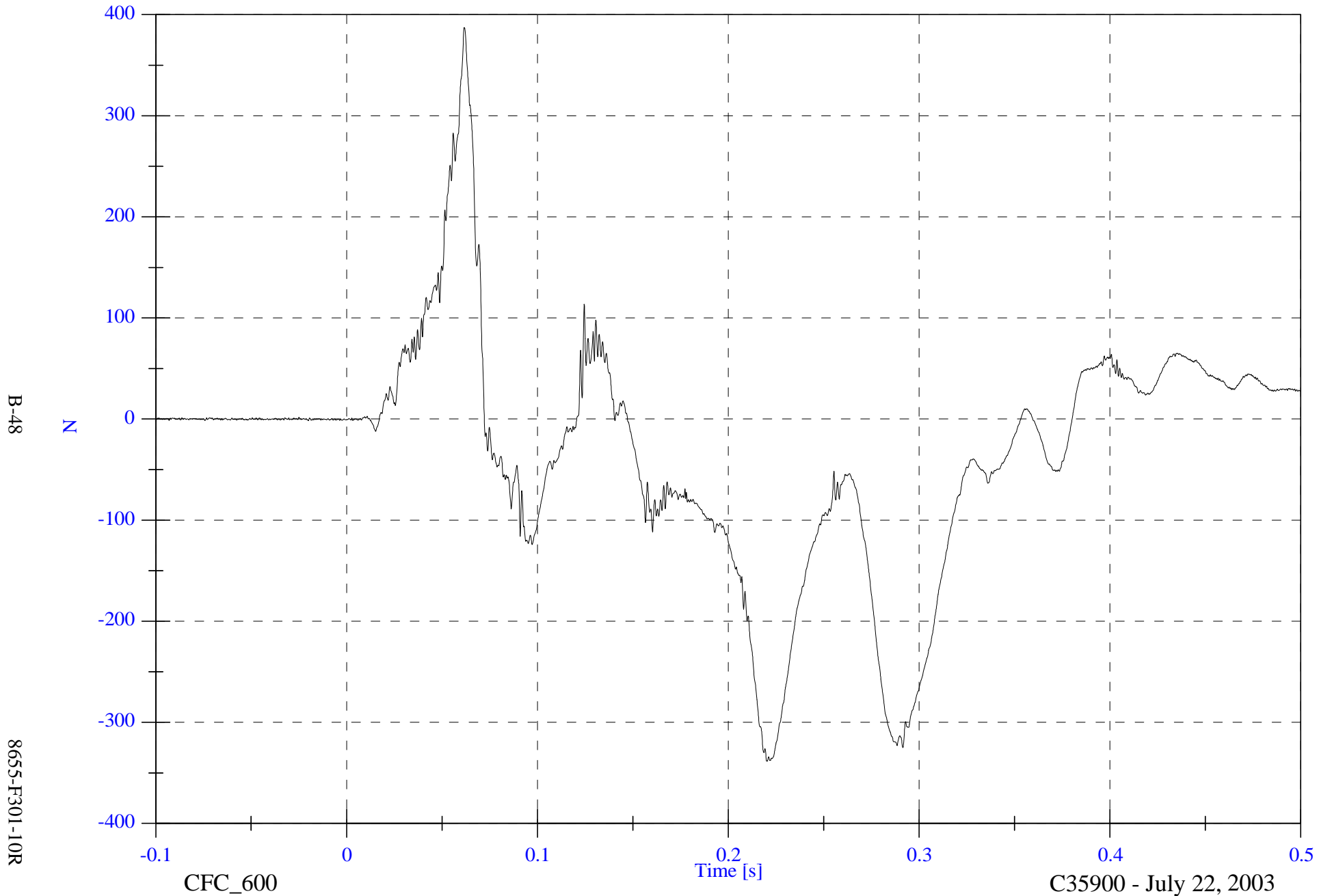
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Right Femur Fz

Max: 387.5 [N] at 0.062 [s]

Min: -338.4 [N] at 0.220 [s]



B-48

8655-F301-10R

CFC_600

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

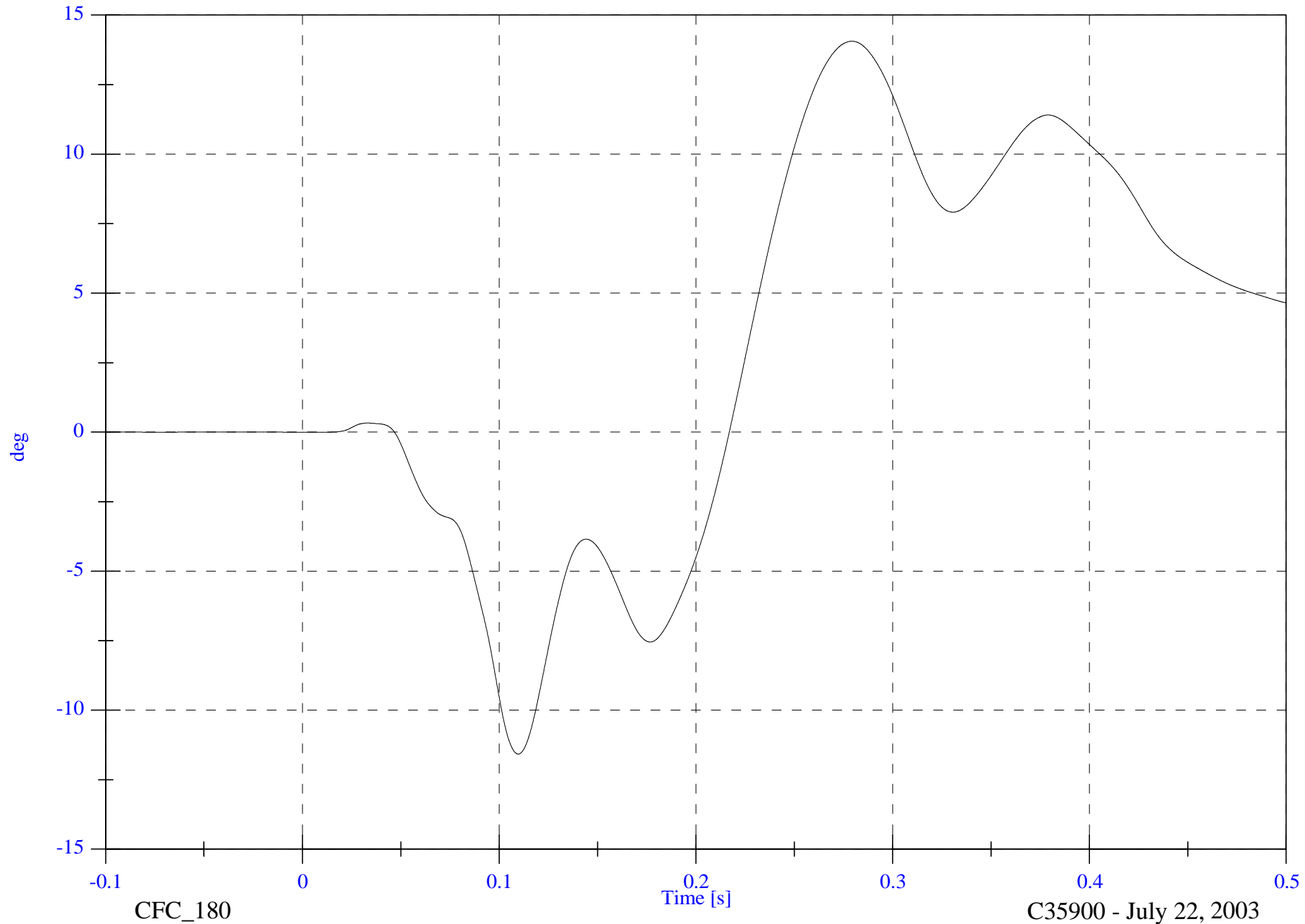
V2P1 Head to Chest Comp ADy

Max: 14.1 [deg] at 0.279 [s]

Min: -11.6 [deg] at 0.110 [s]

B-49

8655-F301-10R



CFC_180

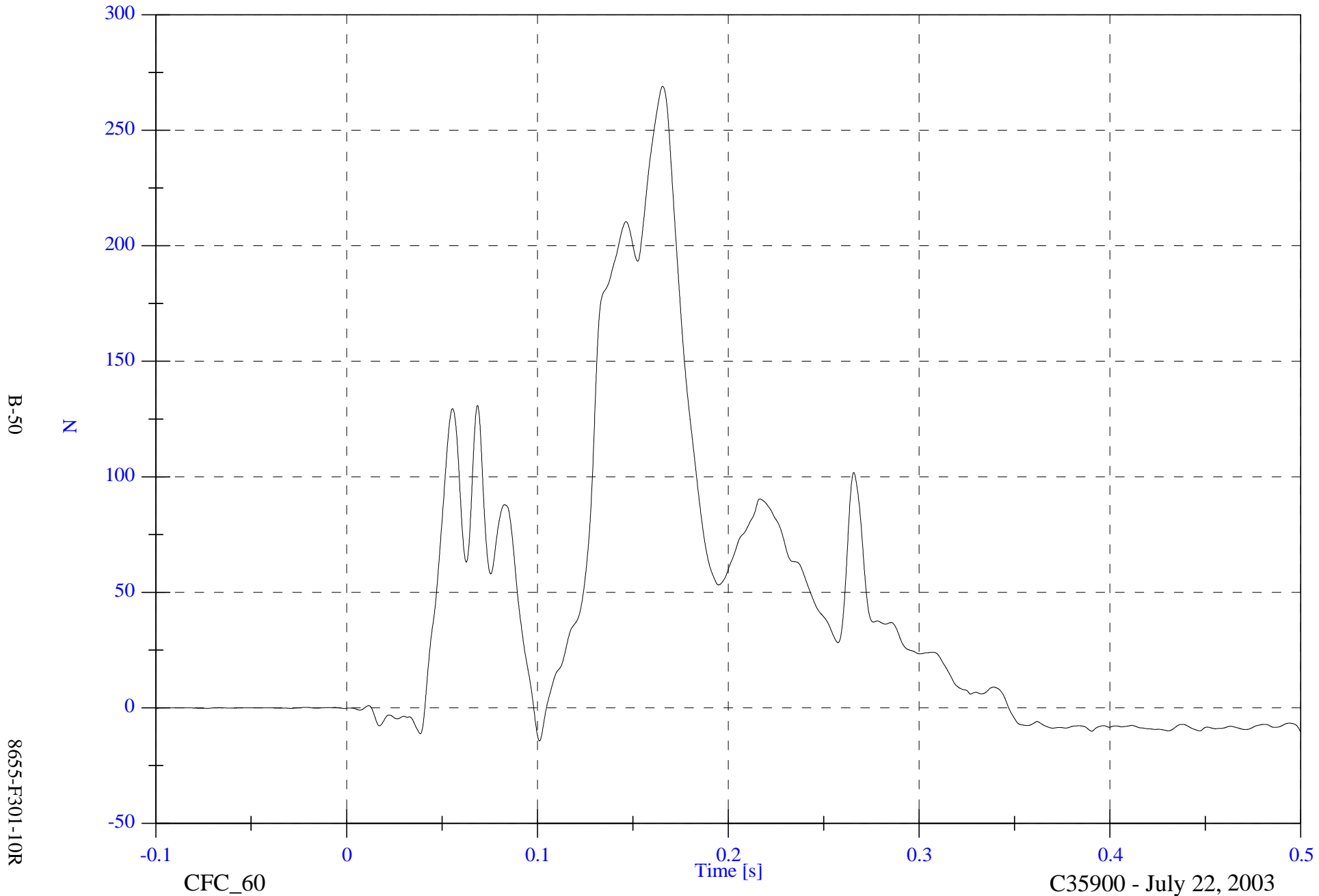
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Driver Lap Belt F

Max: 269.0 [N] at 0.166 [s]

Min: -14.3 [N] at 0.101 [s]



B-50

N

8655-F301-10R

CFC_60

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

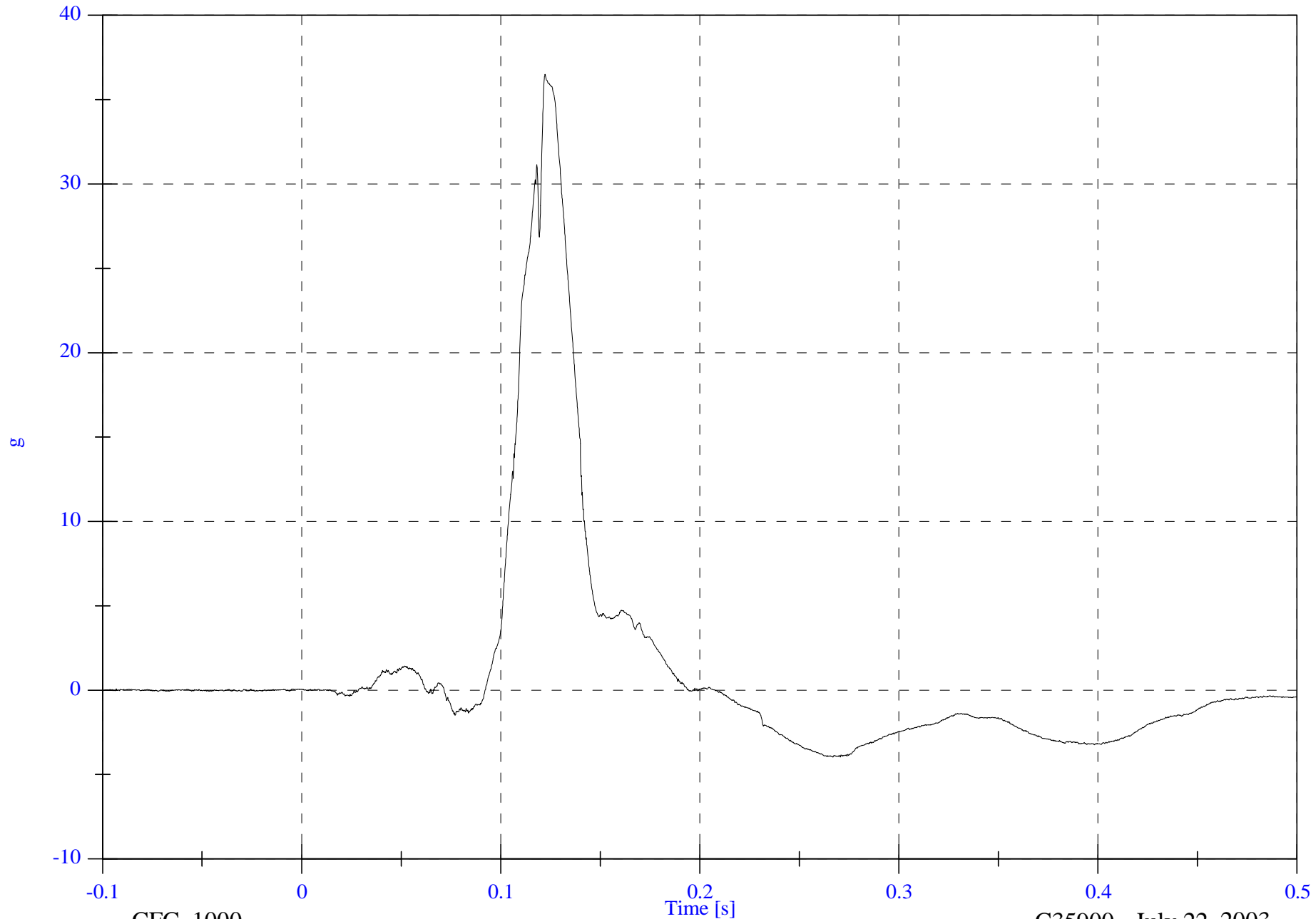
V2P2 Head Ax

Max: 36.5 [g] at 0.122 [s]

Min: -4.0 [g] at 0.267 [s]

B-51

8655-F301-10R



CFC_1000

C35900 - July 22, 2003

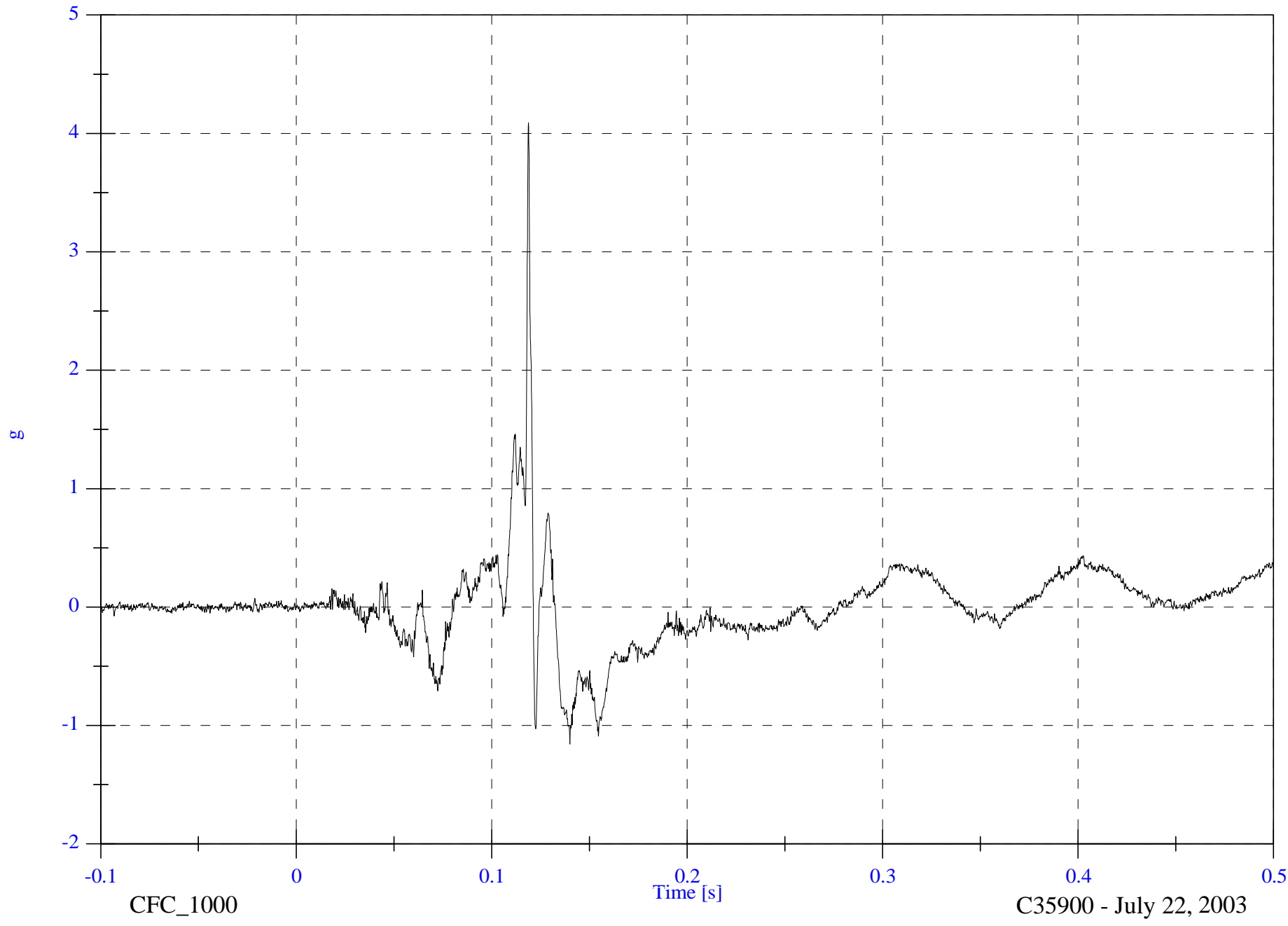
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Head Ay

Max: 4.1 [g] at 0.119 [s]
Min: -1.2 [g] at 0.140 [s]

B-52

8655-F301-10R



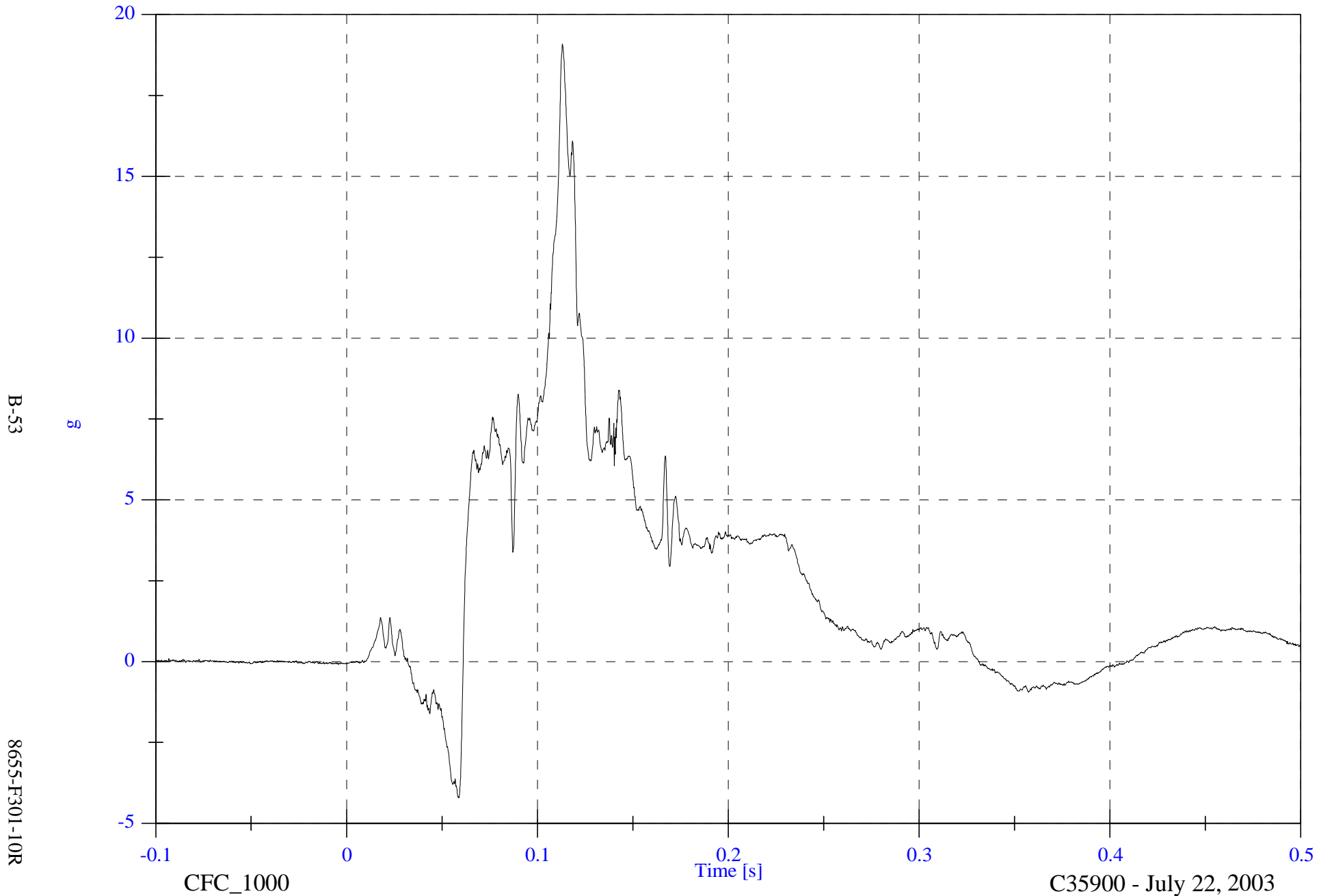
CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Head Az

Max: 19.1 [g] at 0.113 [s]
Min: -4.2 [g] at 0.059 [s]



B-53

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

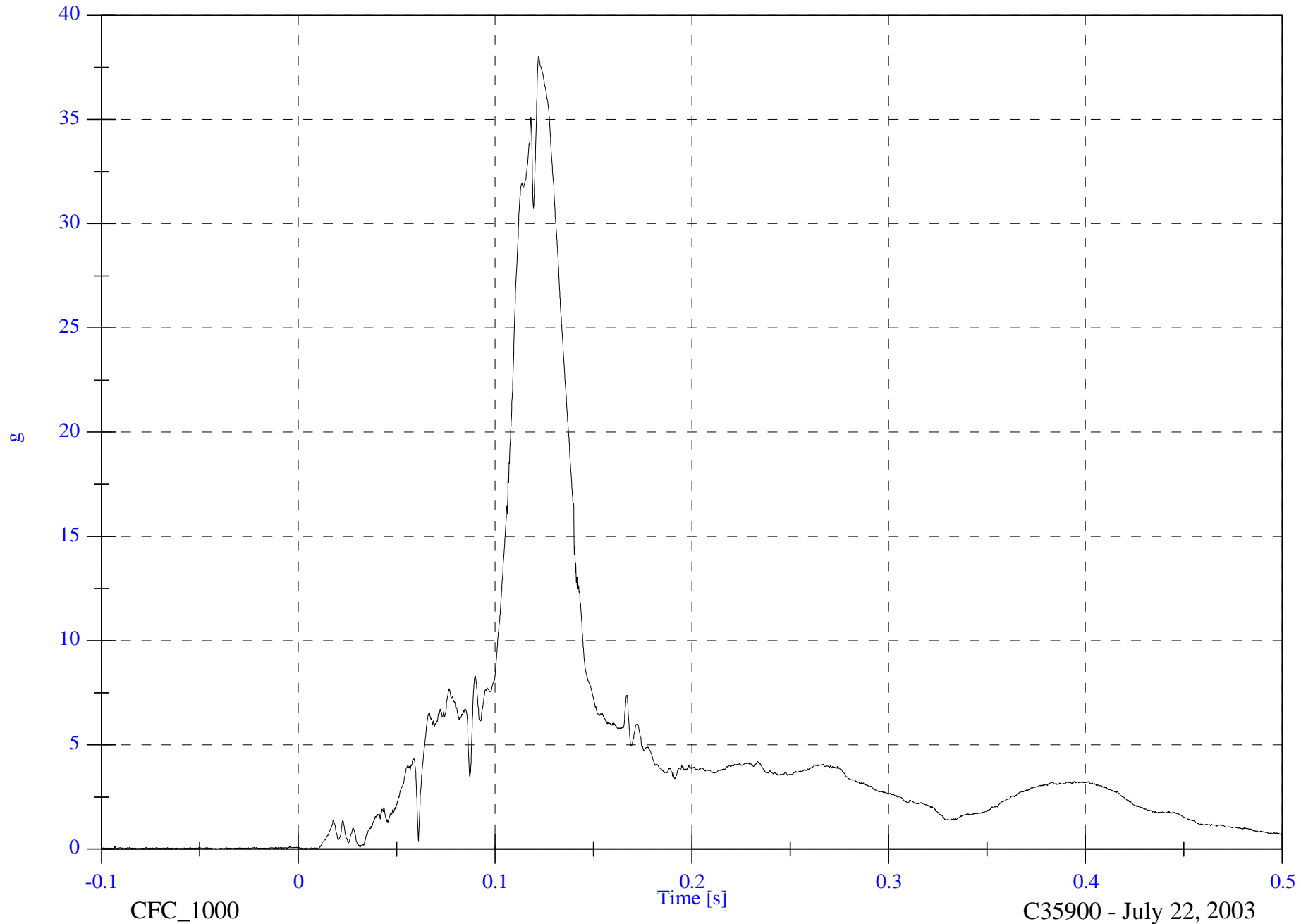
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Head A Resultant

Max: 38.0 [g] at 0.122 [s]
Min: 0.0 [g] at -0.041 [s]

B-54

8655-F301-10R



CFC_1000

C35900 - July 22, 2003

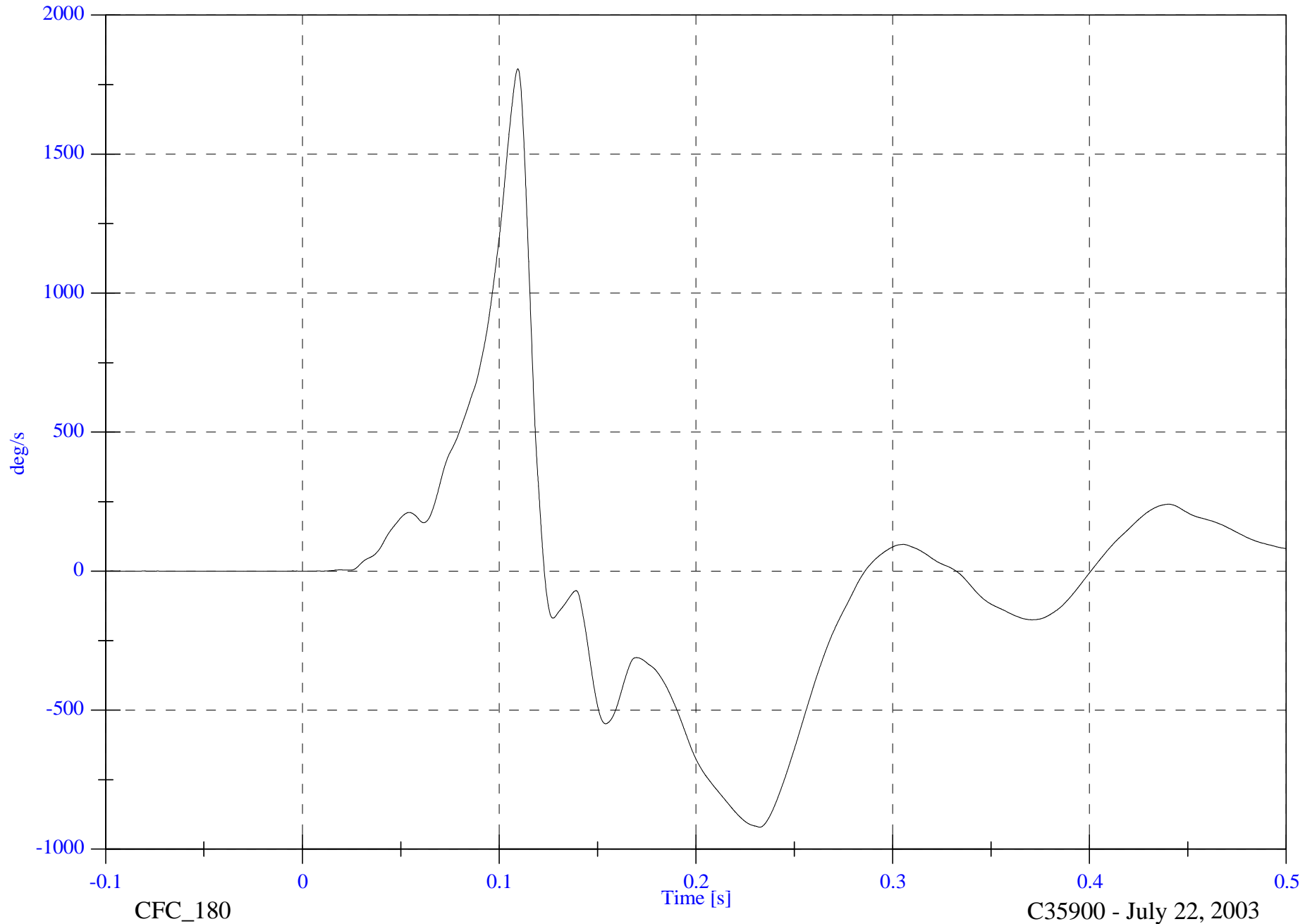
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Head AVy

Max: 1807.3 [deg/s] at 0.109 [s]
Min: -920.8 [deg/s] at 0.232 [s]

B-55

8655-F301-10R



CFC_180

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

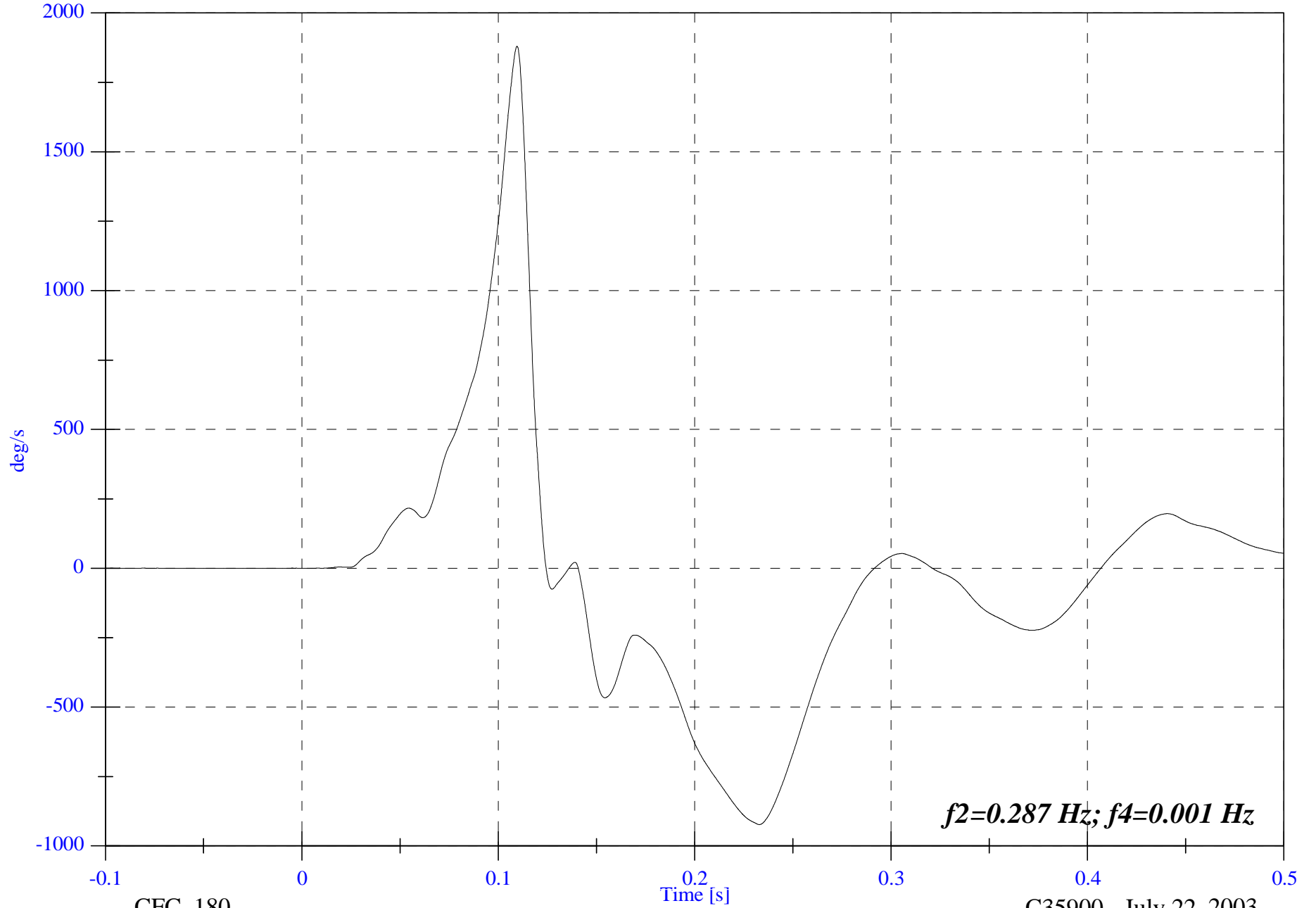
V2P2 Head Comp AVy

Max: 1880.4 [deg/s] at 0.110 [s]

Min: -923.2 [deg/s] at 0.233 [s]

B-56

8655-F301-10R



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Head Comp ADy

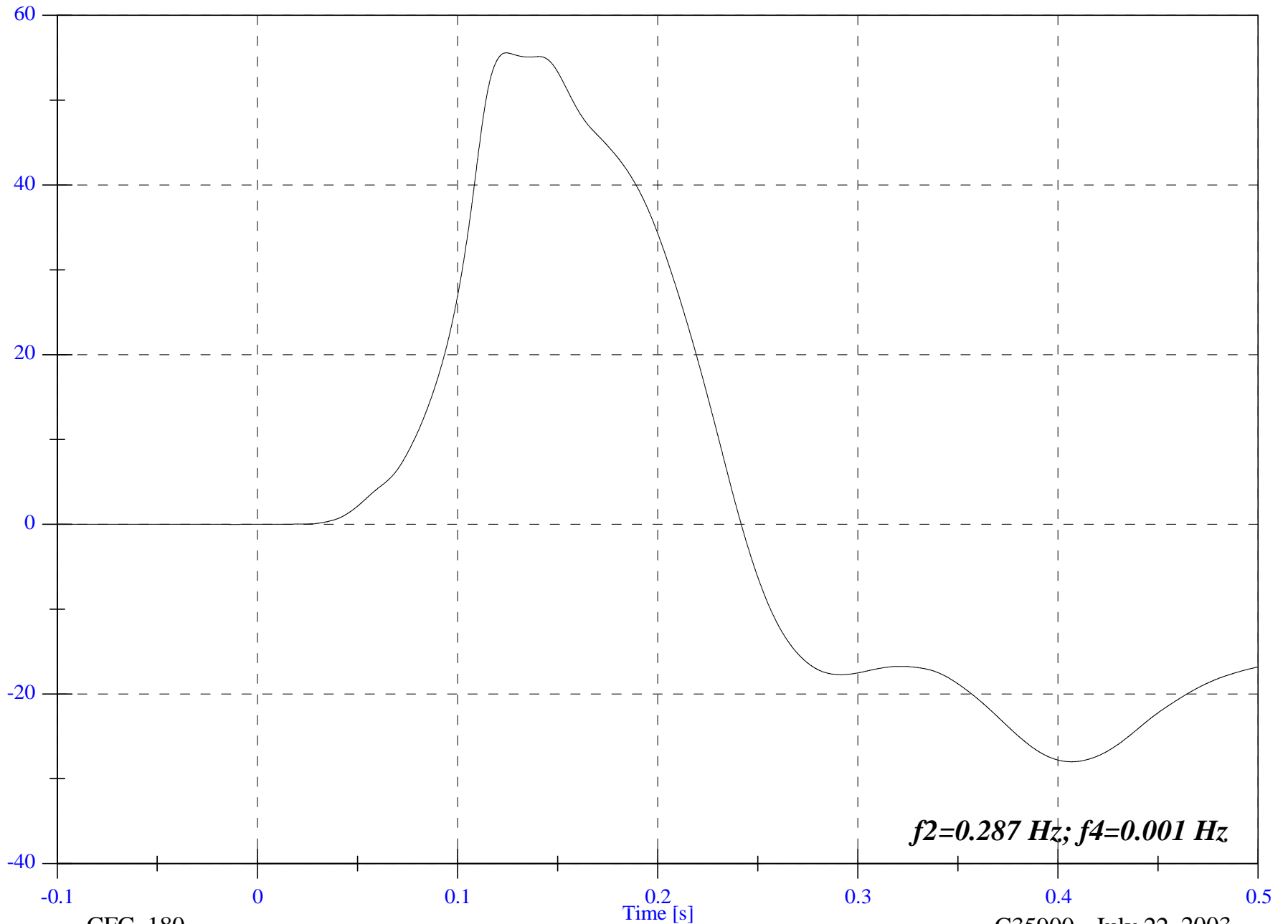
Max: 55.6 [deg] at 0.124 [s]

Min: -28.0 [deg] at 0.407 [s]

B-57

gap

8655-F301-10R



CFC_180

Time [s]

$f_2=0.287$ Hz; $f_4=0.001$ Hz

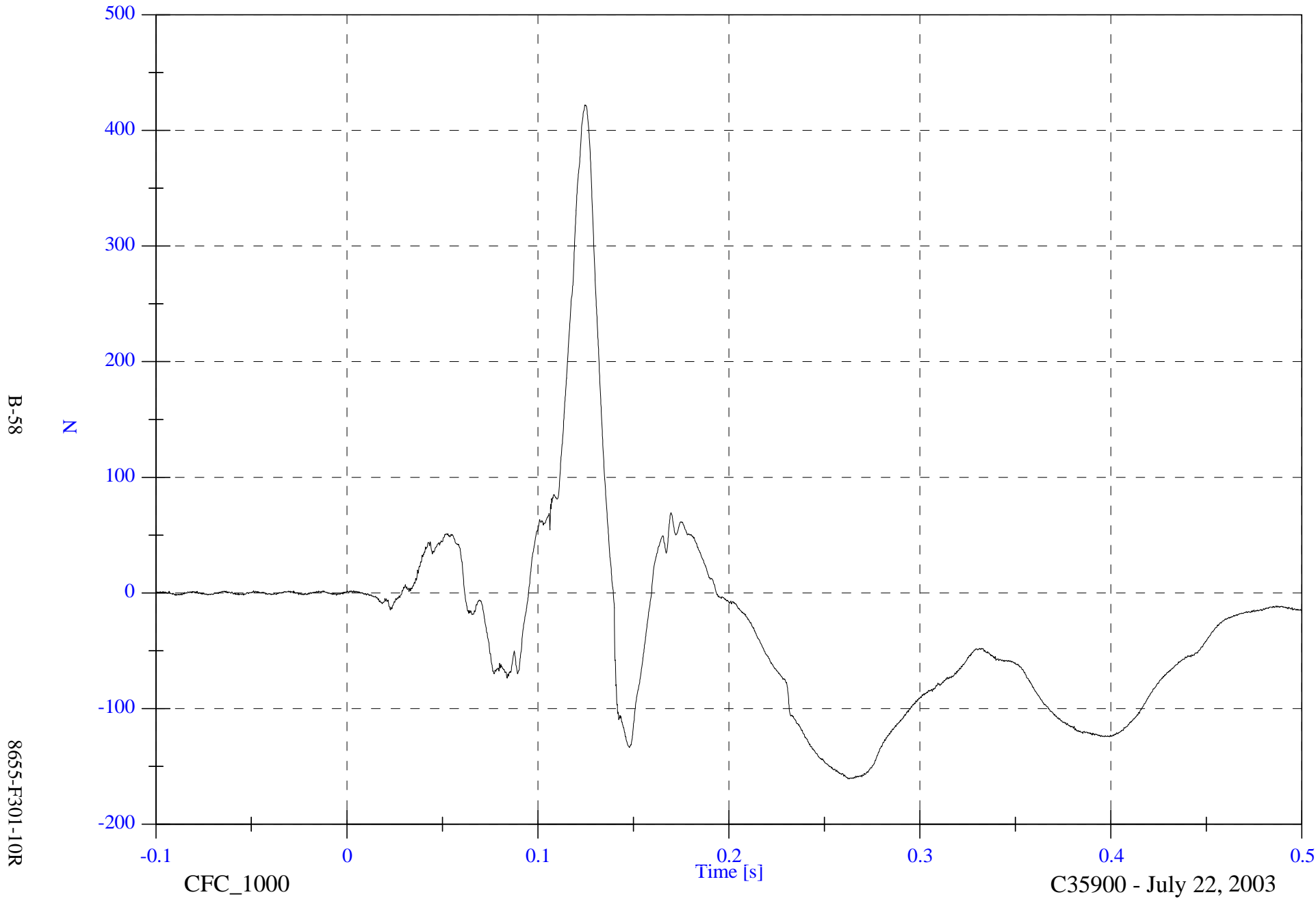
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Upper Neck Fx

Max: 421.9 [N] at 0.125 [s]

Min: -160.8 [N] at 0.263 [s]



B-58

8655-F301-10R

CFC_1000

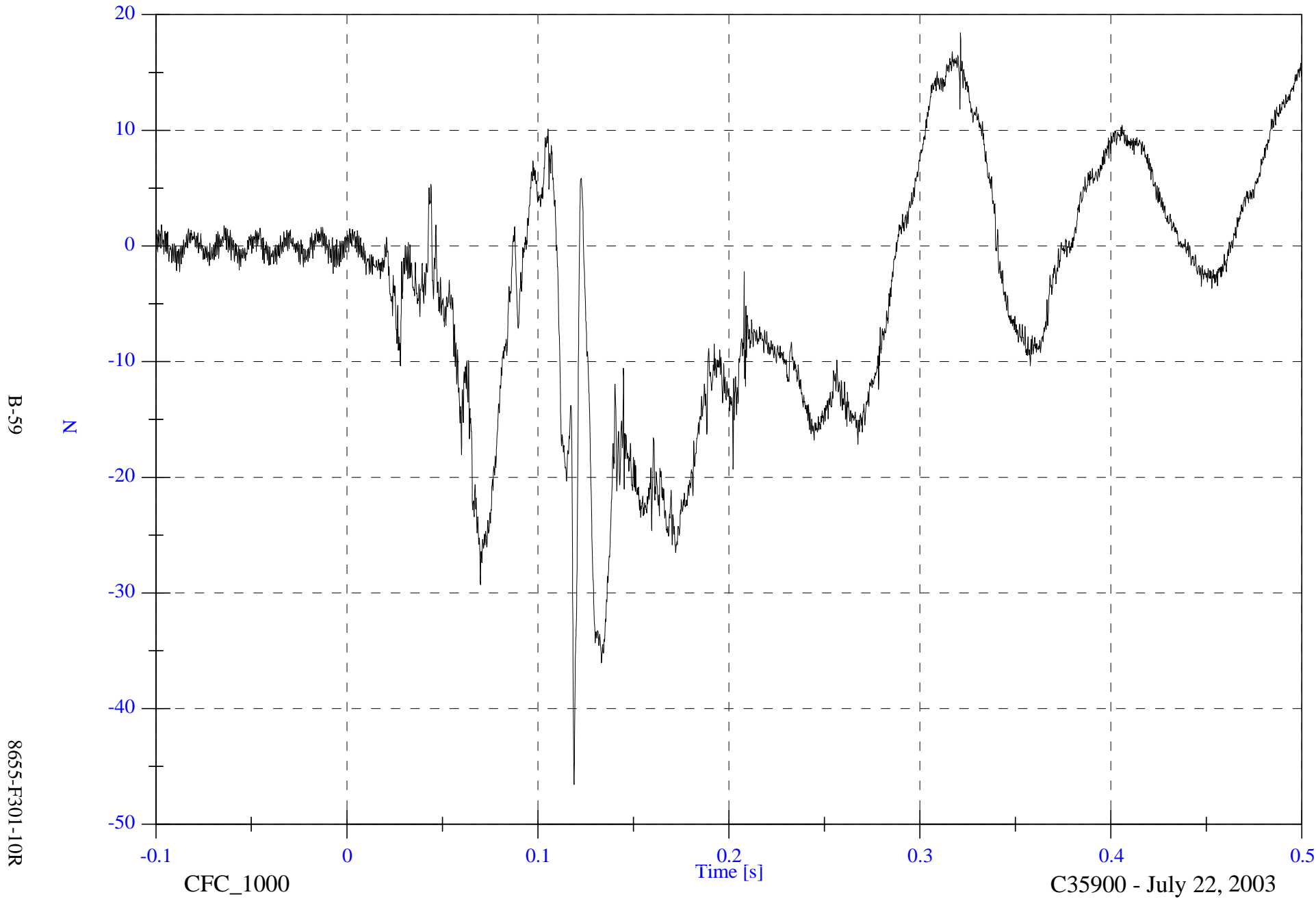
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Upper Neck Fy

Max: 18.4 [N] at 0.321 [s]

Min: -46.6 [N] at 0.119 [s]



B-59

N

8655-F301-10R

CFC_1000

Time [s]

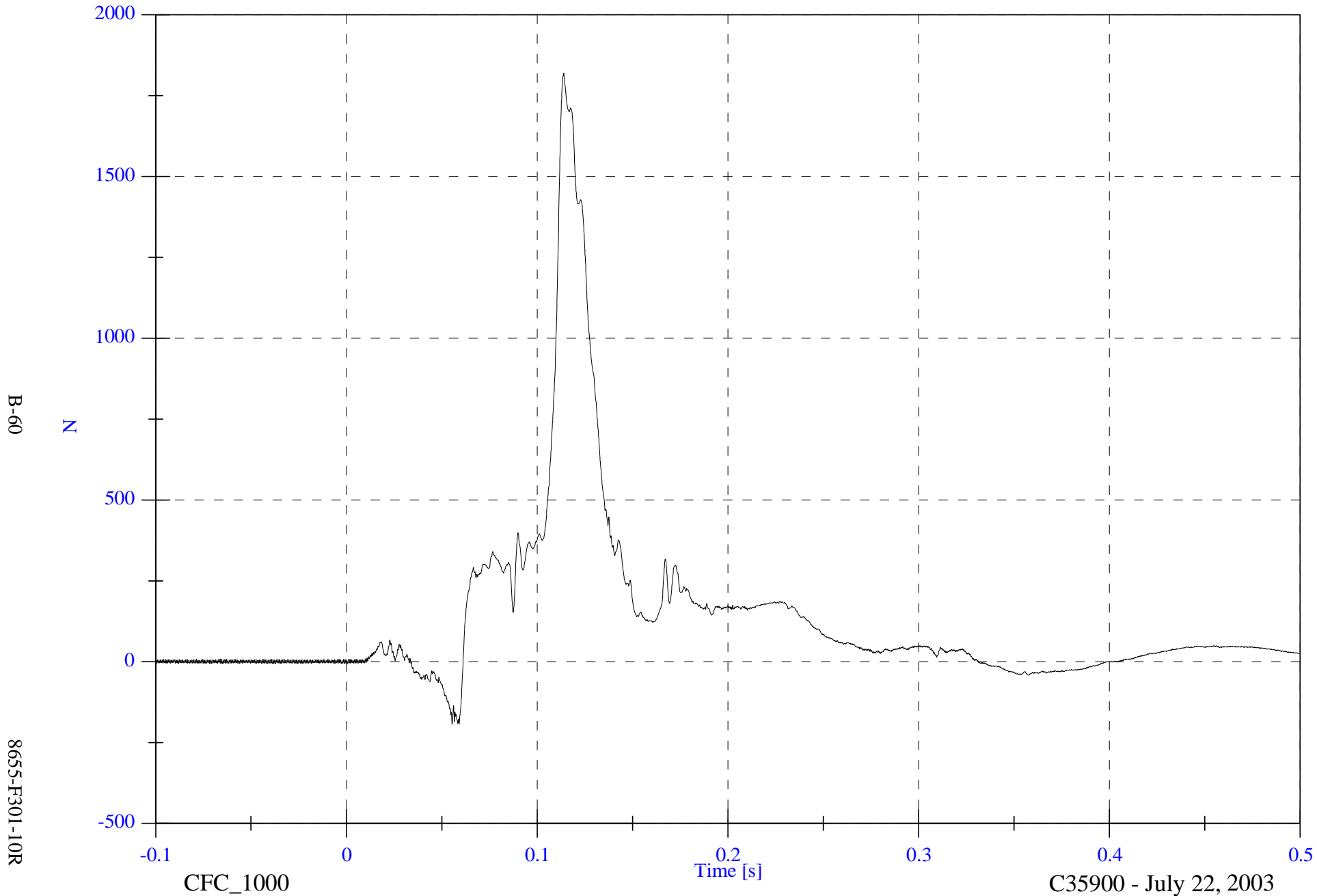
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Upper Neck Fz

Max: 1819.6 [N] at 0.114 [s]

Min: -194.1 [N] at 0.055 [s]



B-60

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

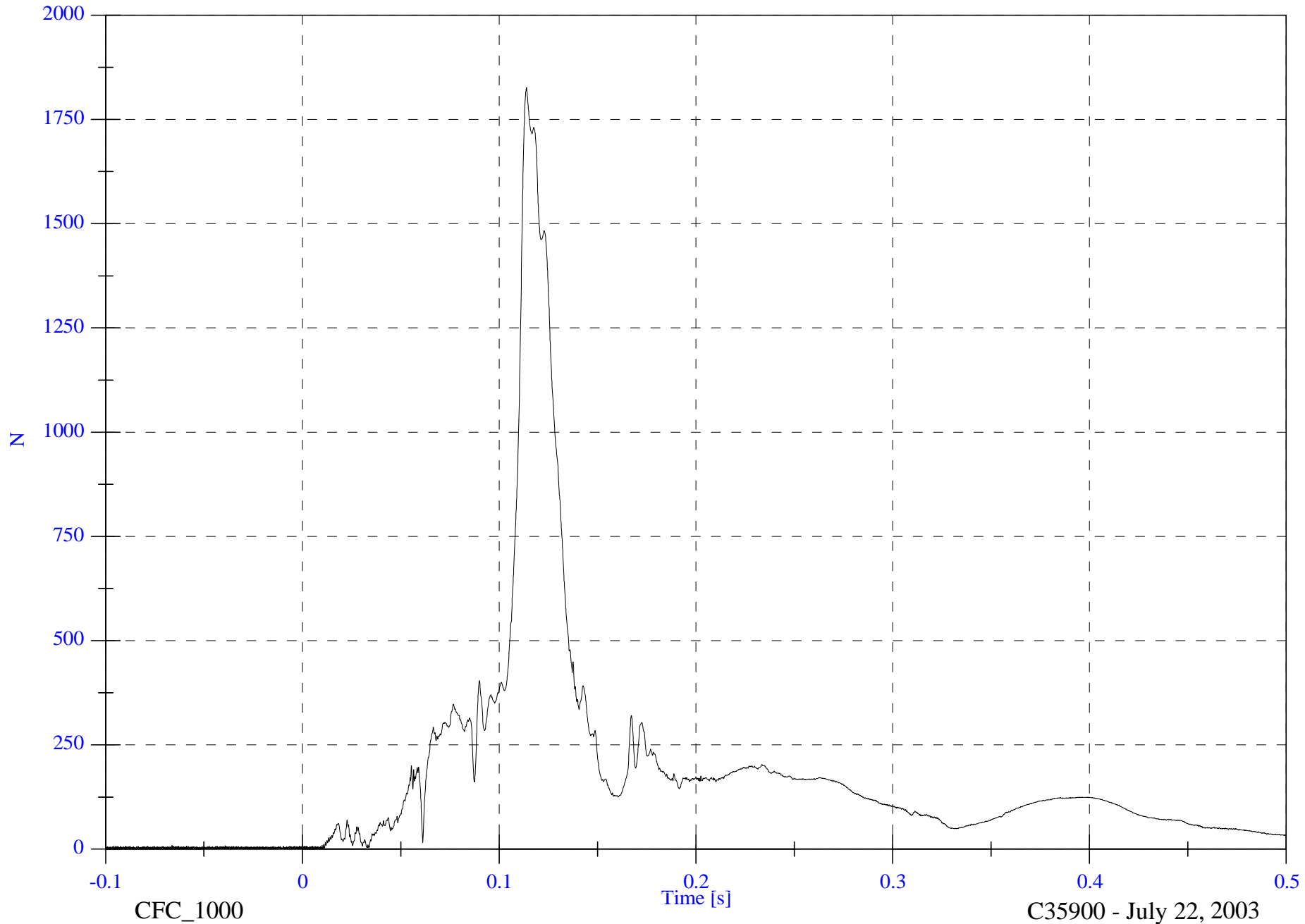
V2P2 Upper Neck F Resultant

Max: 1826.7 [N] at 0.114 [s]

Min: 0.3 [N] at -0.052 [s]

B-61

8655-F301-10R



CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

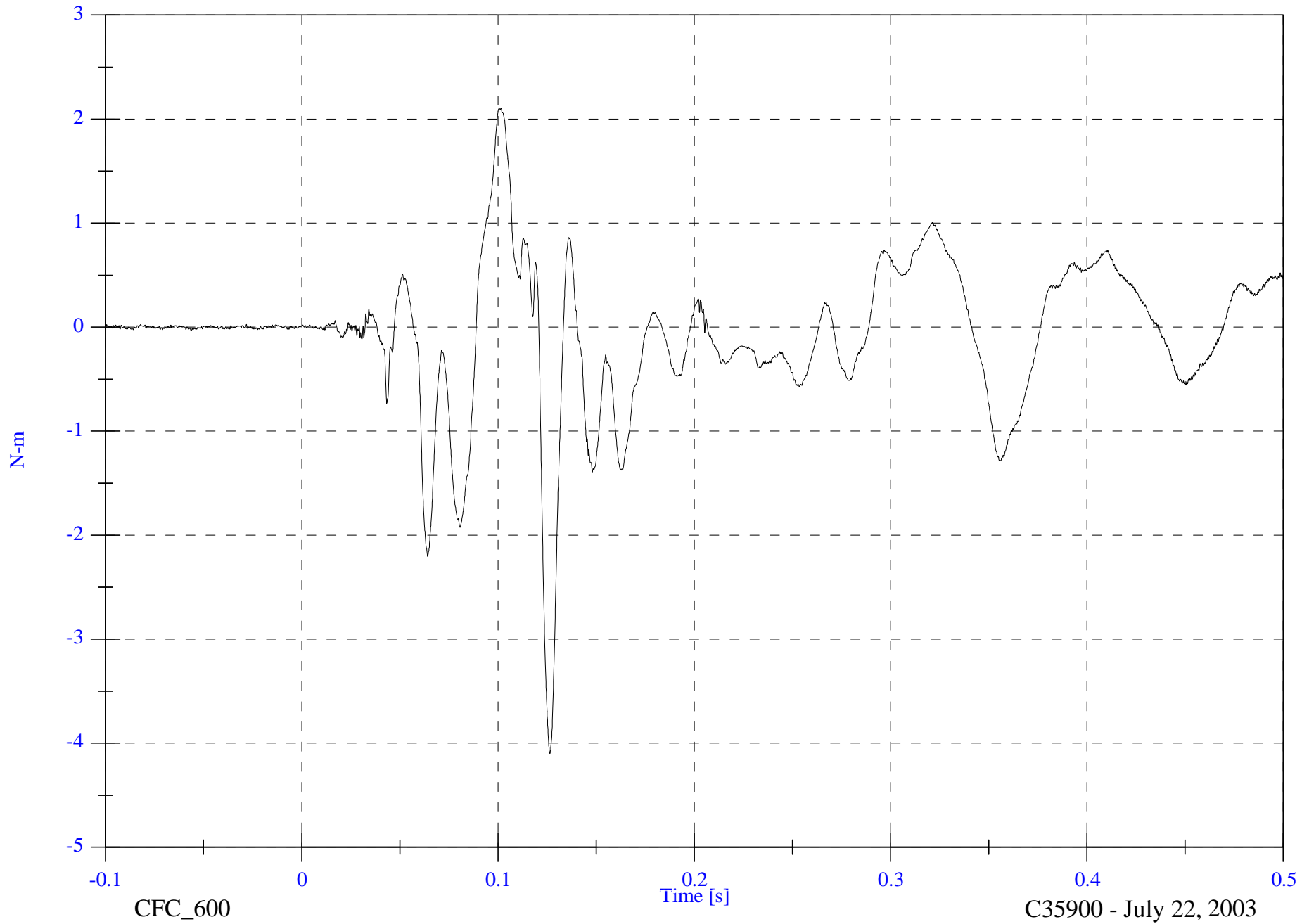
V2P2 Upper Neck Mx

Max: 2.1 [N-m] at 0.102 [s]

Min: -4.1 [N-m] at 0.126 [s]

B-62

8655-F301-10R



CFC_600

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

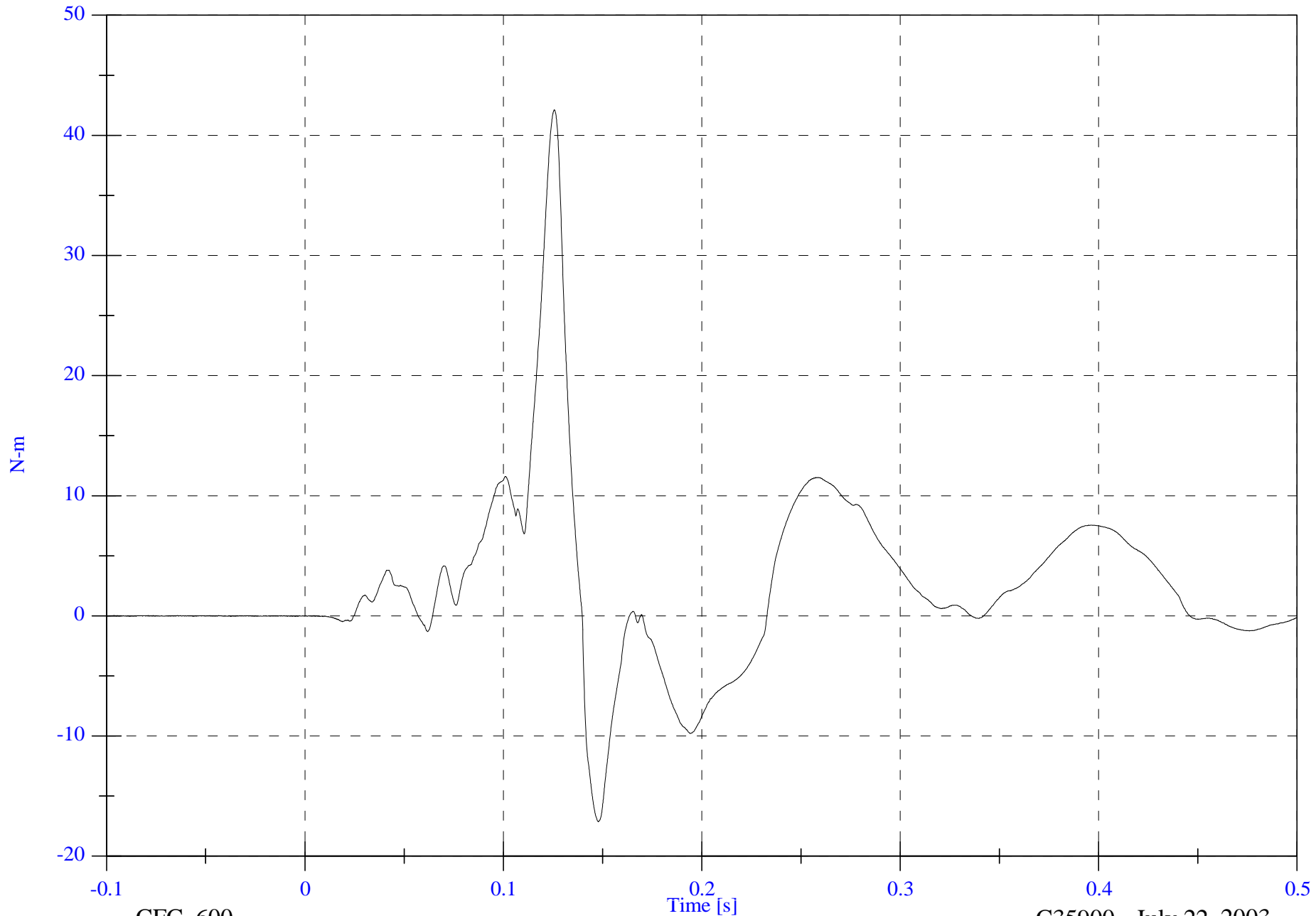
V2P2 Upper Neck My

Max: 42.1 [N-m] at 0.126 [s]

Min: -17.1 [N-m] at 0.148 [s]

B-63

8655-F301-10R



CFC_600

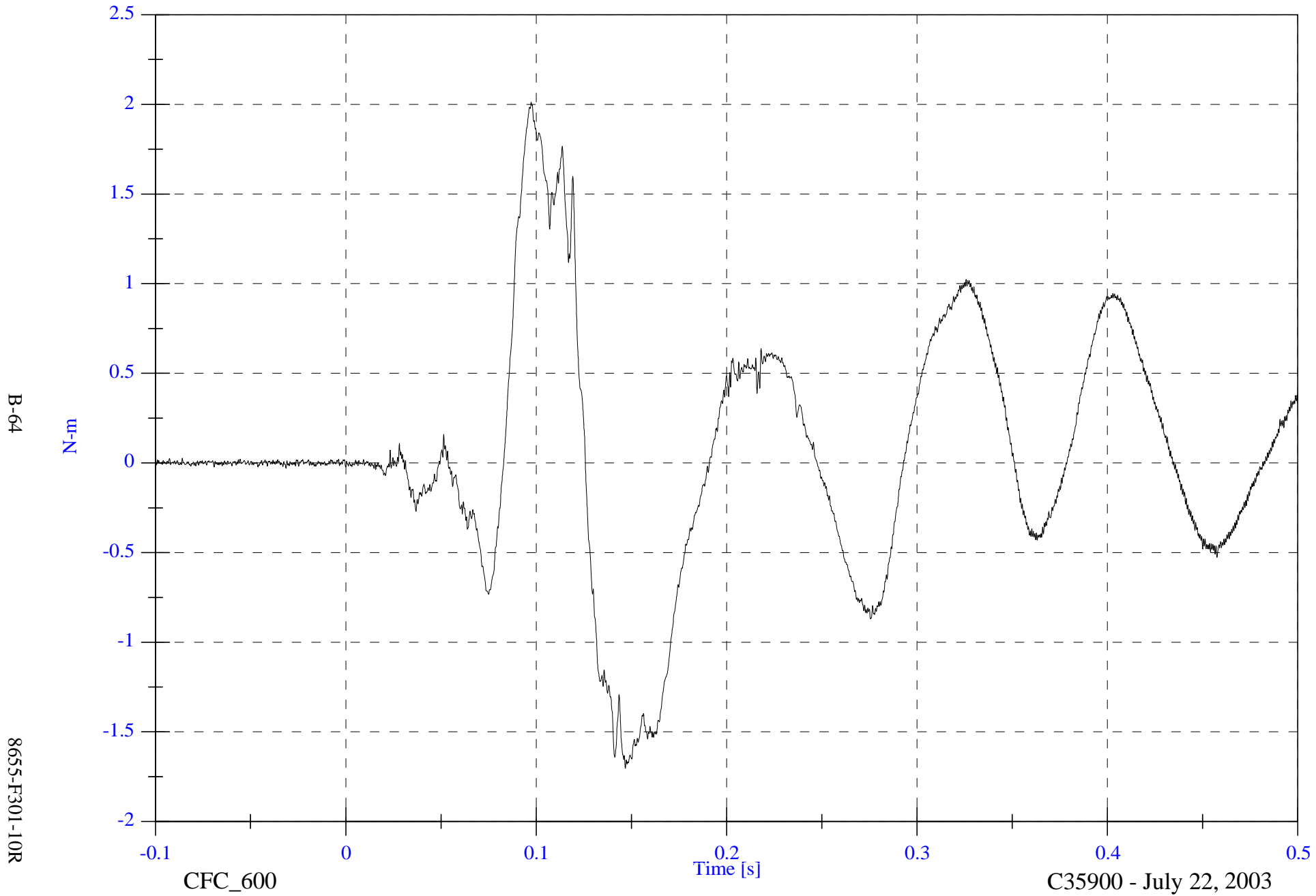
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Upper Neck Mz

Max: 2.0 [N-m] at 0.097 [s]

Min: -1.7 [N-m] at 0.147 [s]



B-64

8655-F301-10R

CFC_600

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

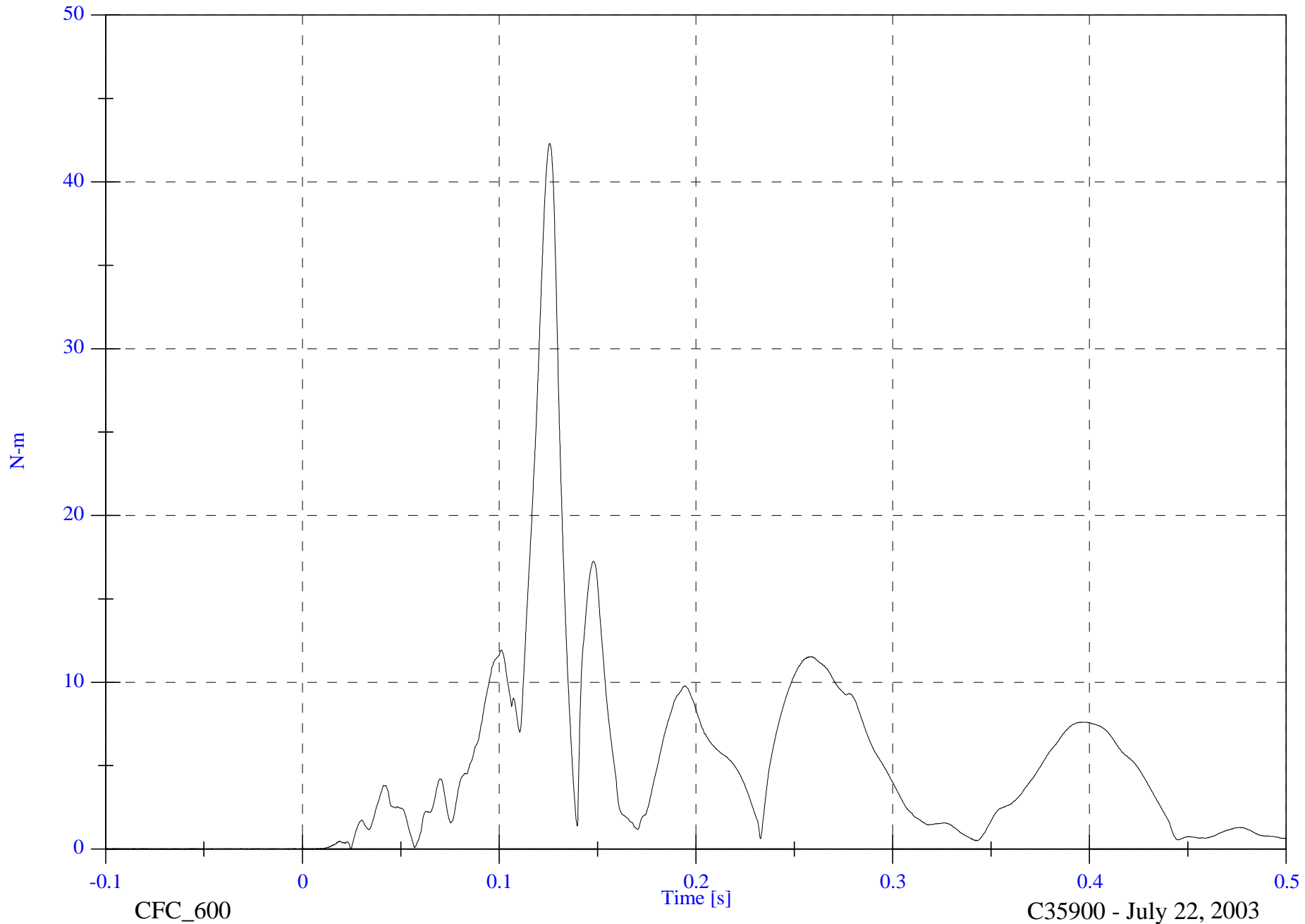
V2P2 Upper Neck M Resultant

Max: 42.3 [N-m] at 0.126 [s]

Min: 0.0 [N-m] at -0.060 [s]

B-65

8655-F301-10R



CFC_600

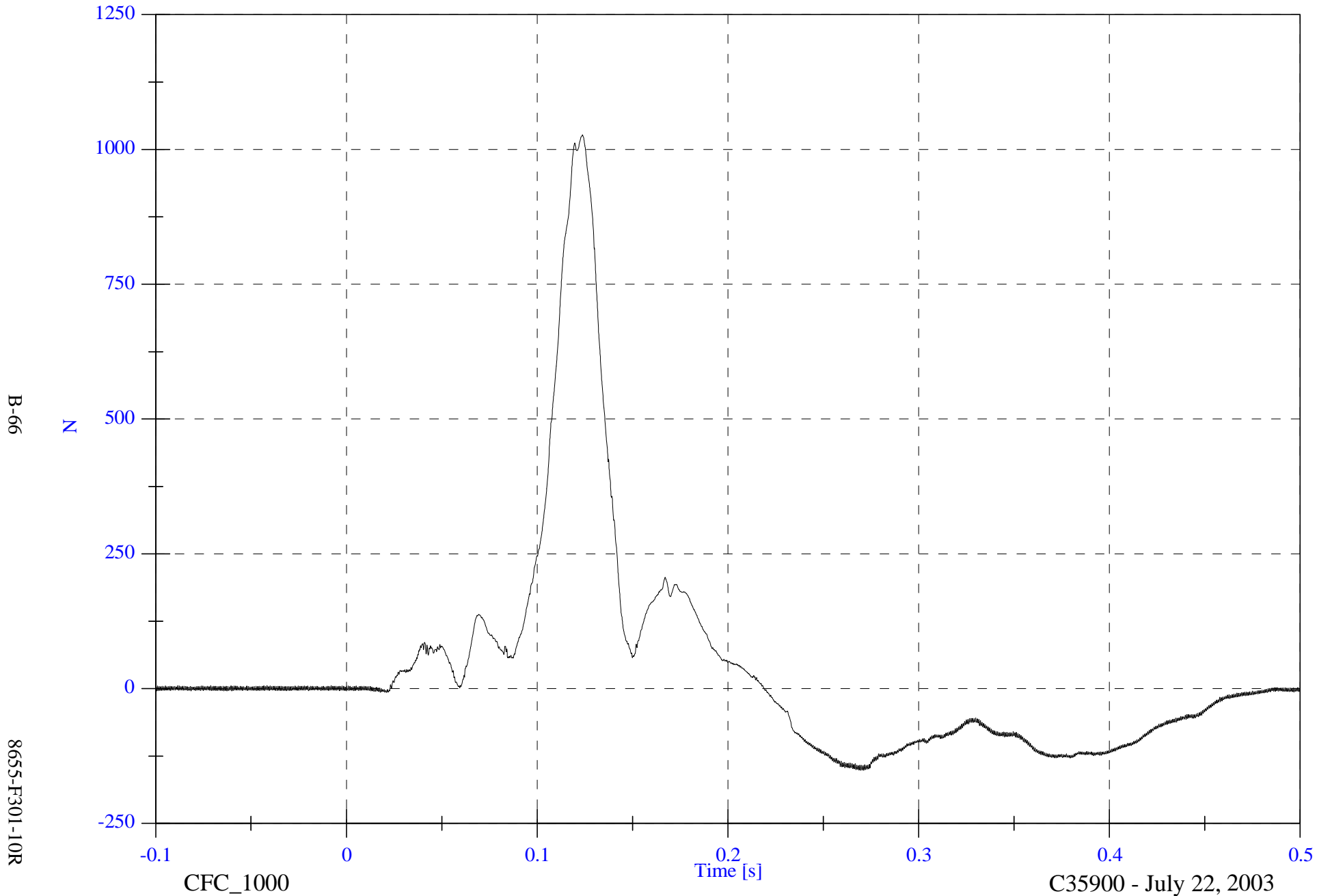
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck Fx

Max: 1027.2 [N] at 0.124 [s]

Min: -151.7 [N] at 0.270 [s]



B-66

8655-F301-10R

CFC_1000

Time [s]

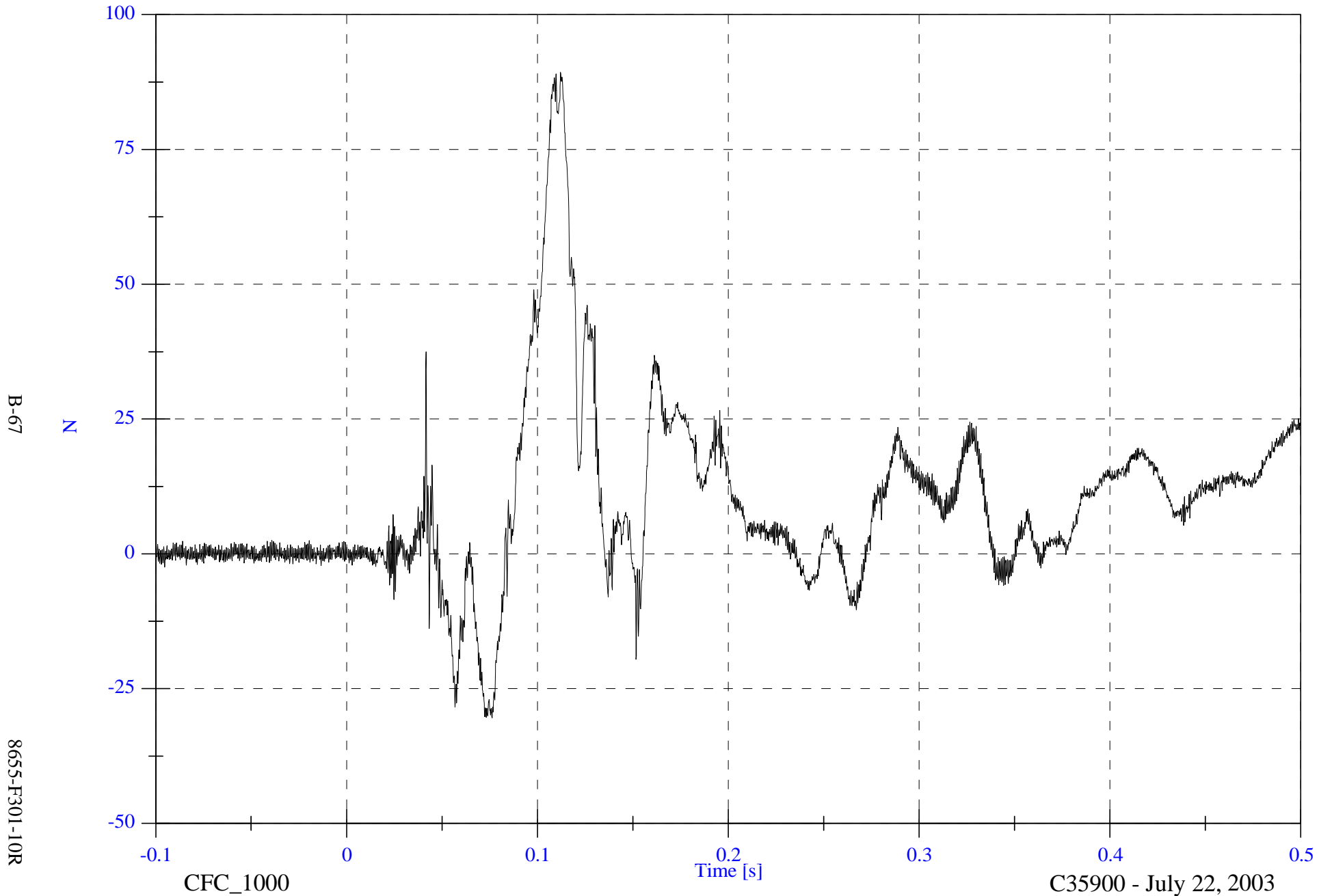
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck Fy

Max: 89.3 [N] at 0.112 [s]

Min: -30.4 [N] at 0.076 [s]



B-67

N

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck Fz

Max: 1539.4 [N] at 0.113 [s]

Min: -269.9 [N] at 0.059 [s]



B-68

8655-F301-10R

CFC_1000

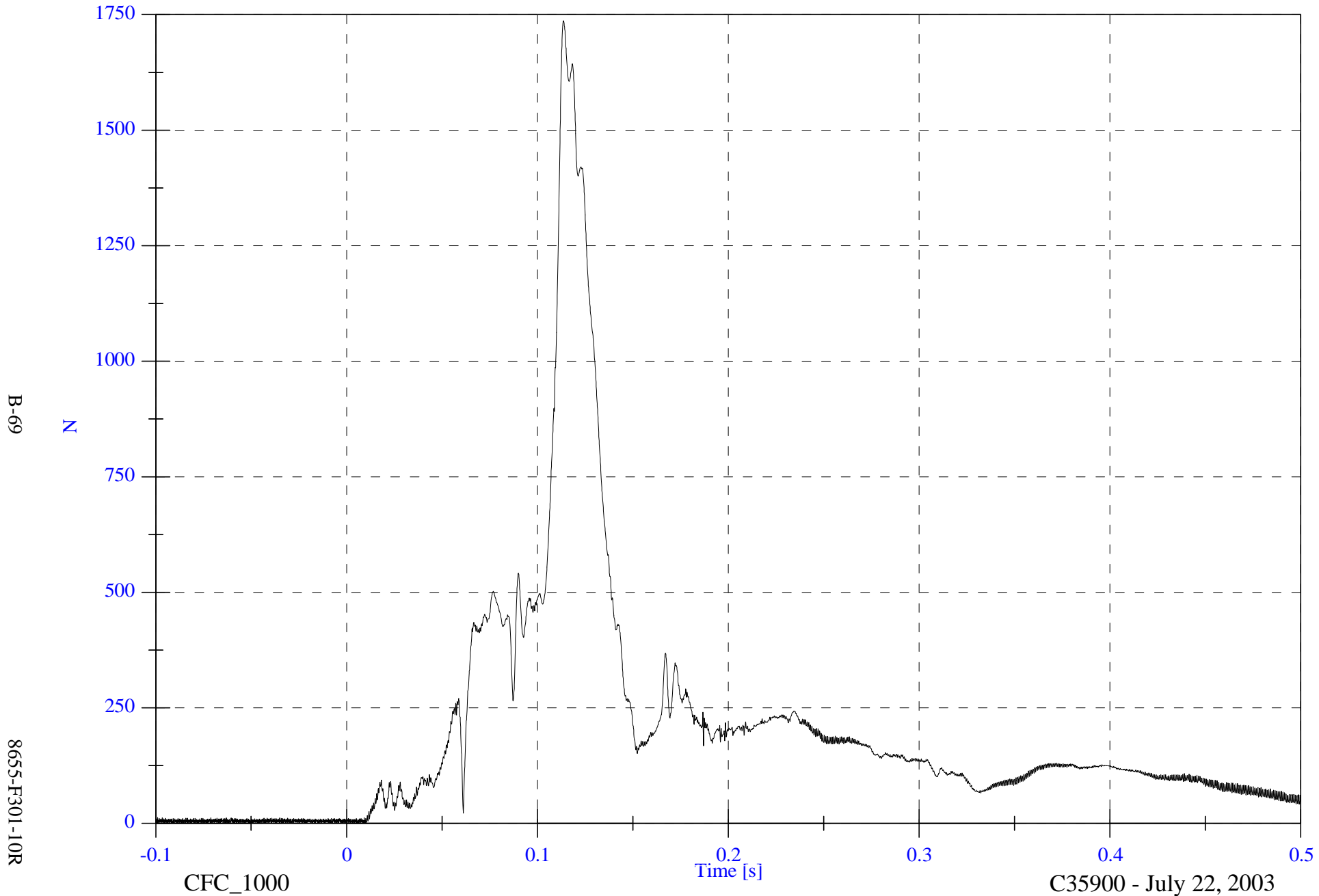
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck F Resultant

Max: 1736.6 [N] at 0.114 [s]

Min: 0.3 [N] at -0.024 [s]



B-69

8655-F301-10R

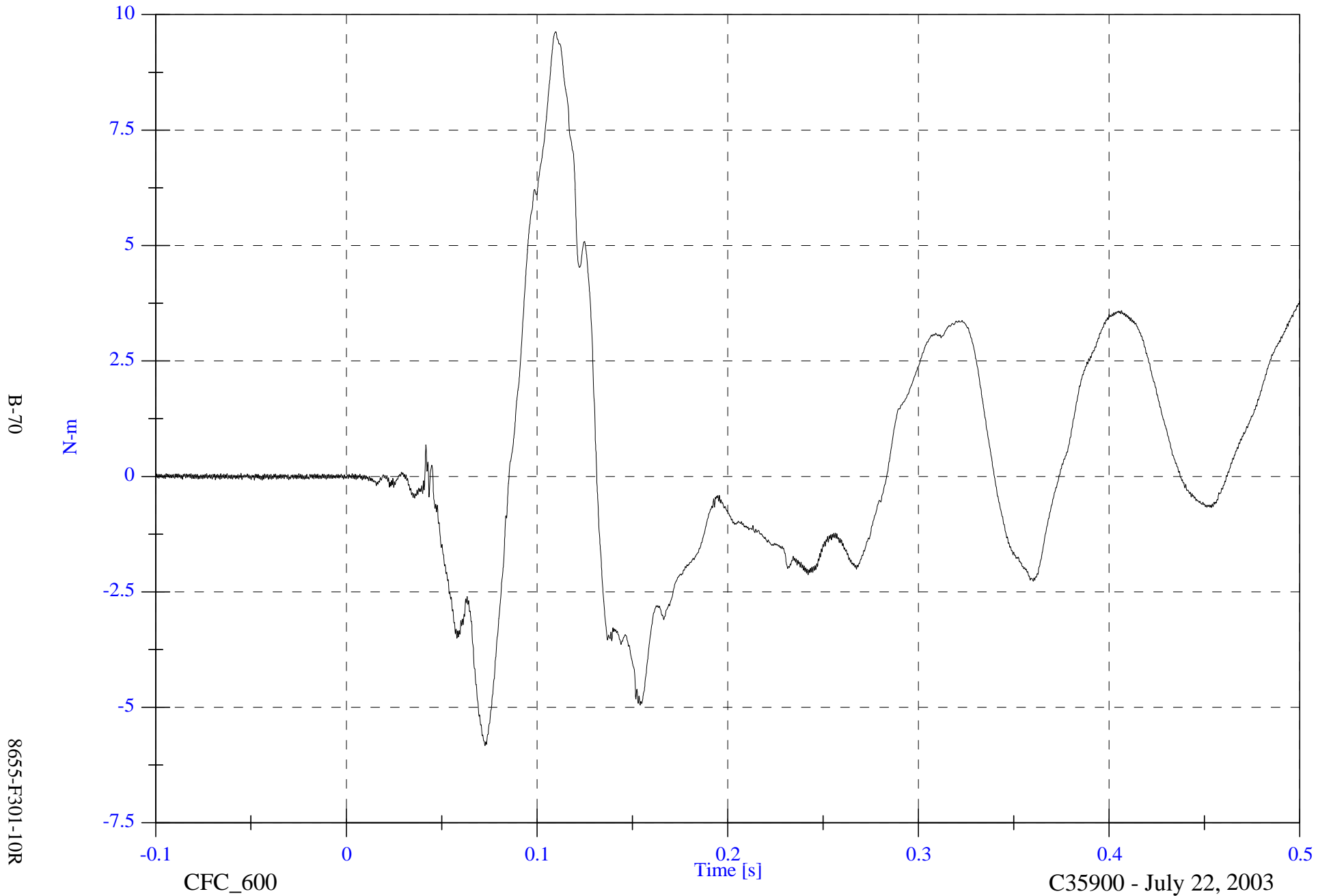
CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck Mx

Max: 9.6 [N-m] at 0.110 [s]
Min: -5.8 [N-m] at 0.073 [s]



B-70

8655-F301-10R

CFC_600

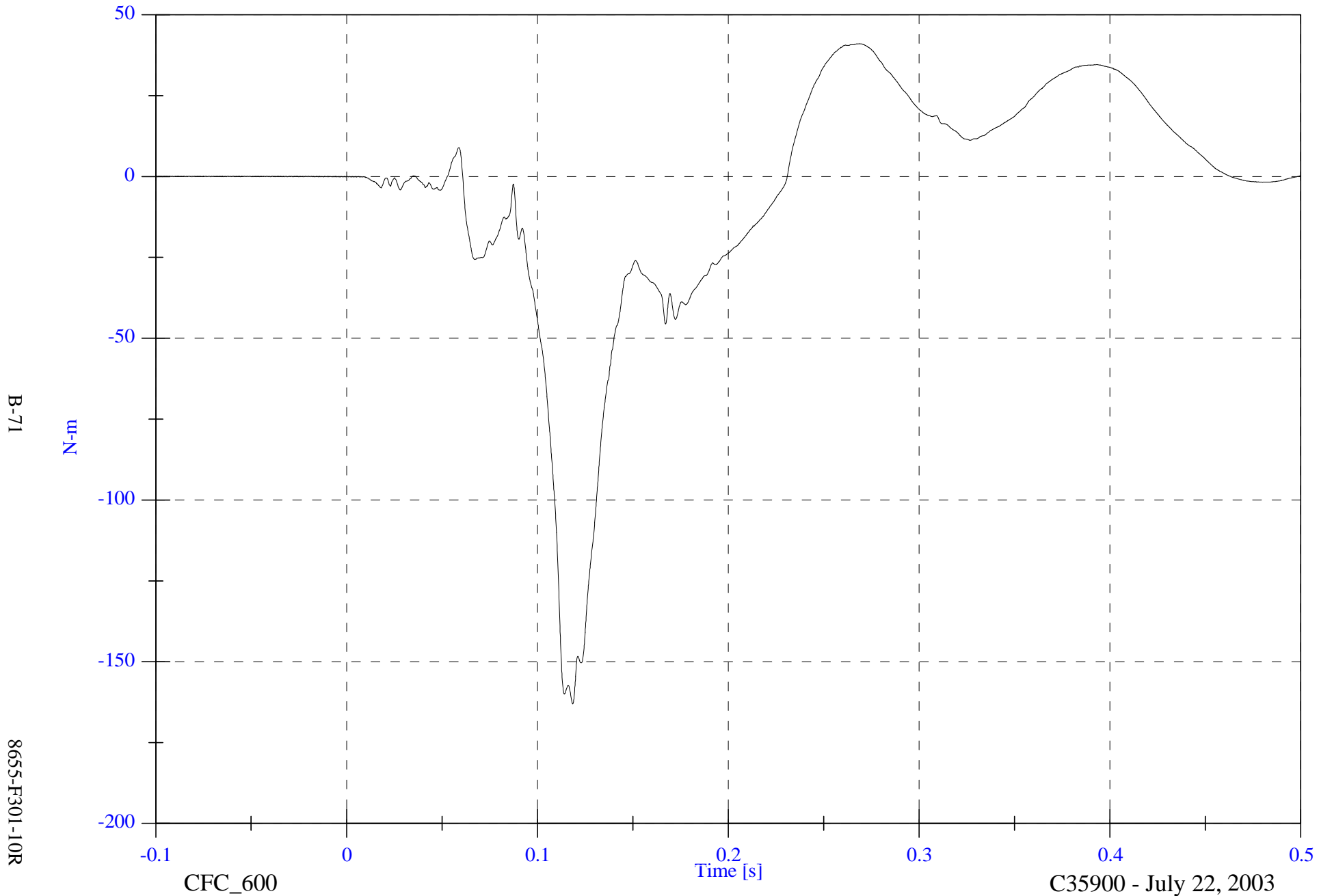
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck My

Max: 41.0 [N-m] at 0.269 [s]

Min: -163.1 [N-m] at 0.118 [s]



B-71

8655-F301-10R

CFC_600

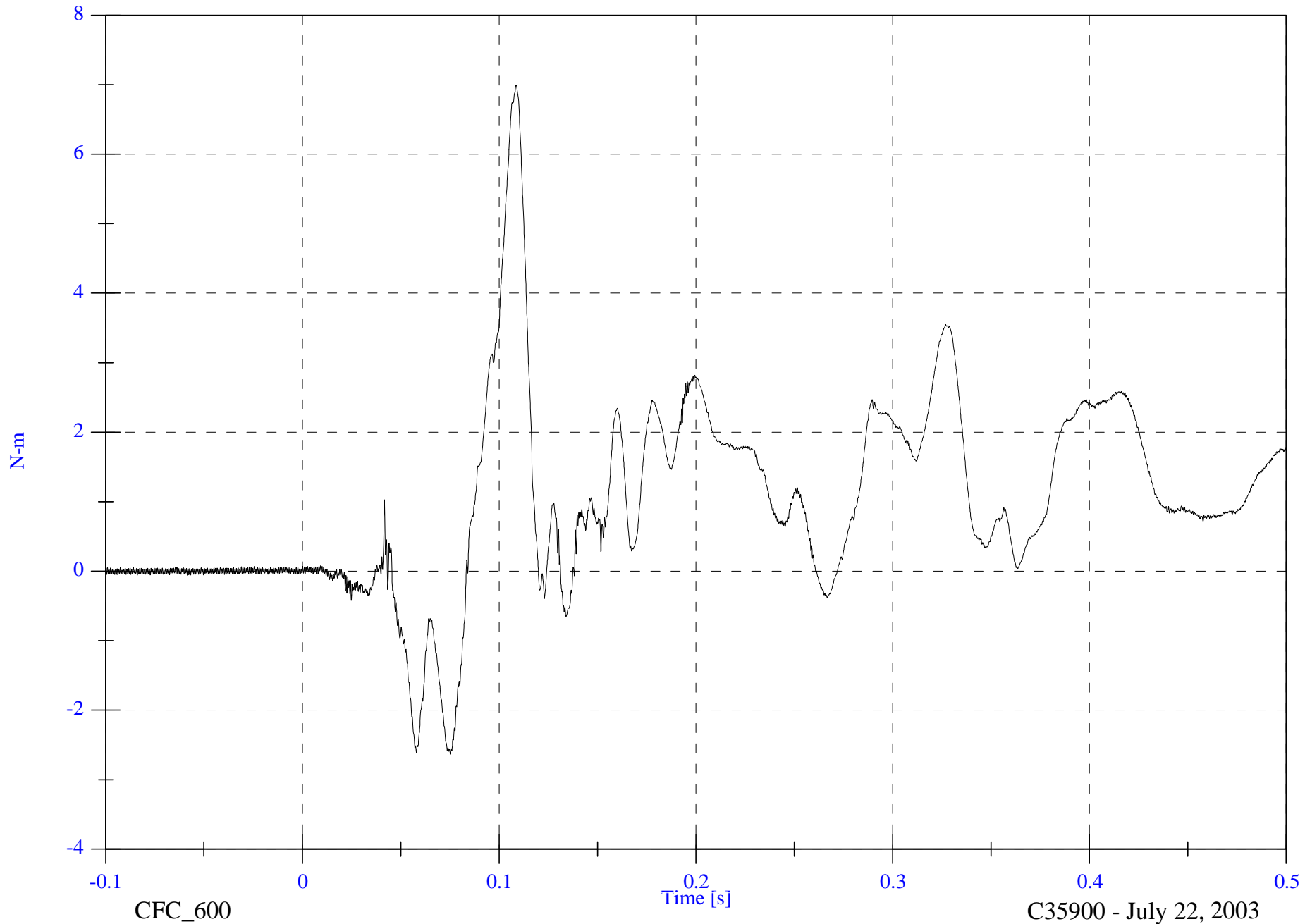
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck Mz

Max: 7.0 [N-m] at 0.109 [s]

Min: -2.6 [N-m] at 0.075 [s]



B-72

8655-F301-10R

CFC_600

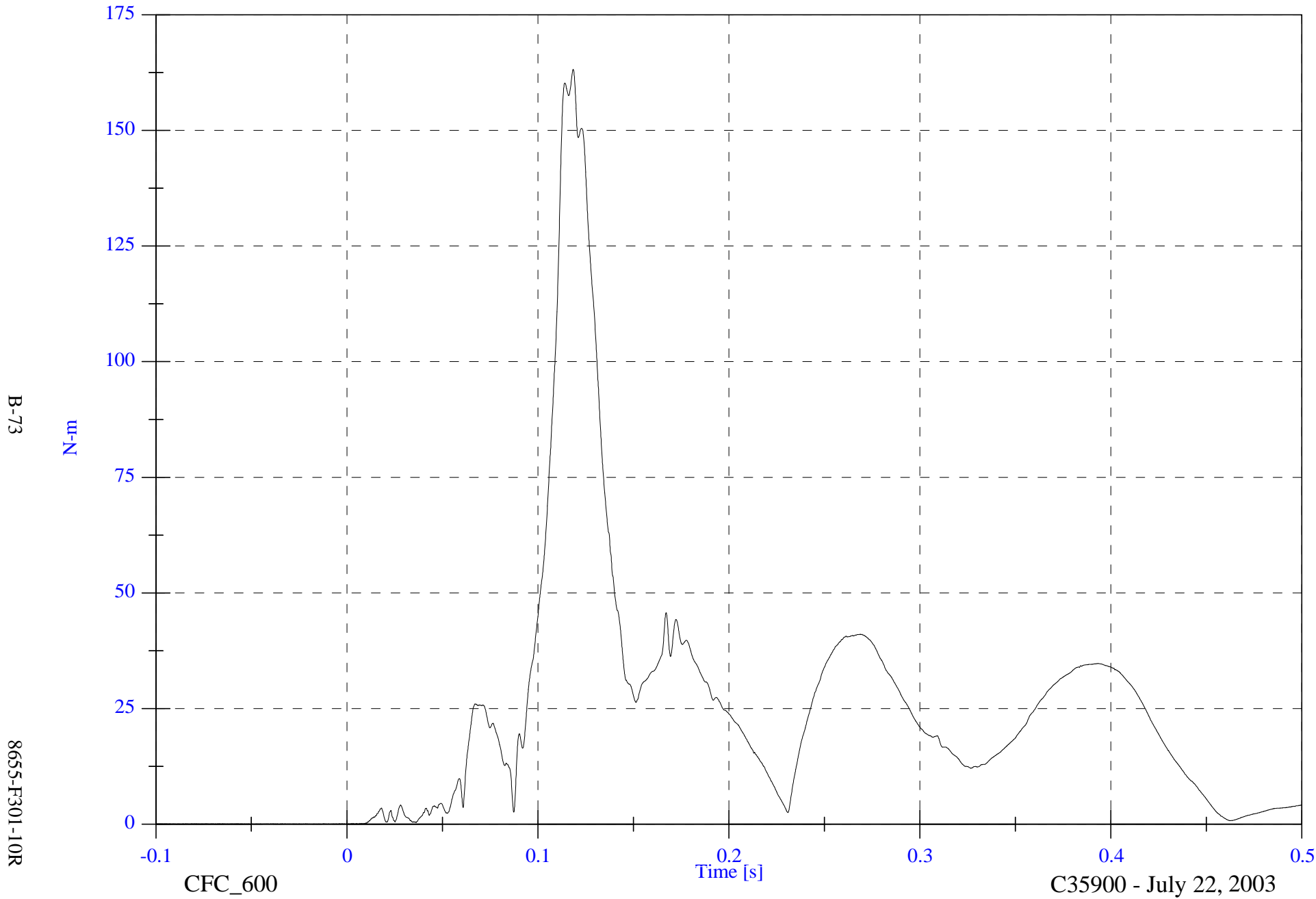
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck M Resultant

Max: 163.2 [N-m] at 0.118 [s]

Min: 0.0 [N-m] at -0.054 [s]



B-73

8655-F301-10R

CFC_600

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Lower Neck x

Max: 23.6 [g] at 0.105 [s]
Min: -2.4 [g] at 0.332 [s]



B-74

8655-F301-10R

CFC_1000

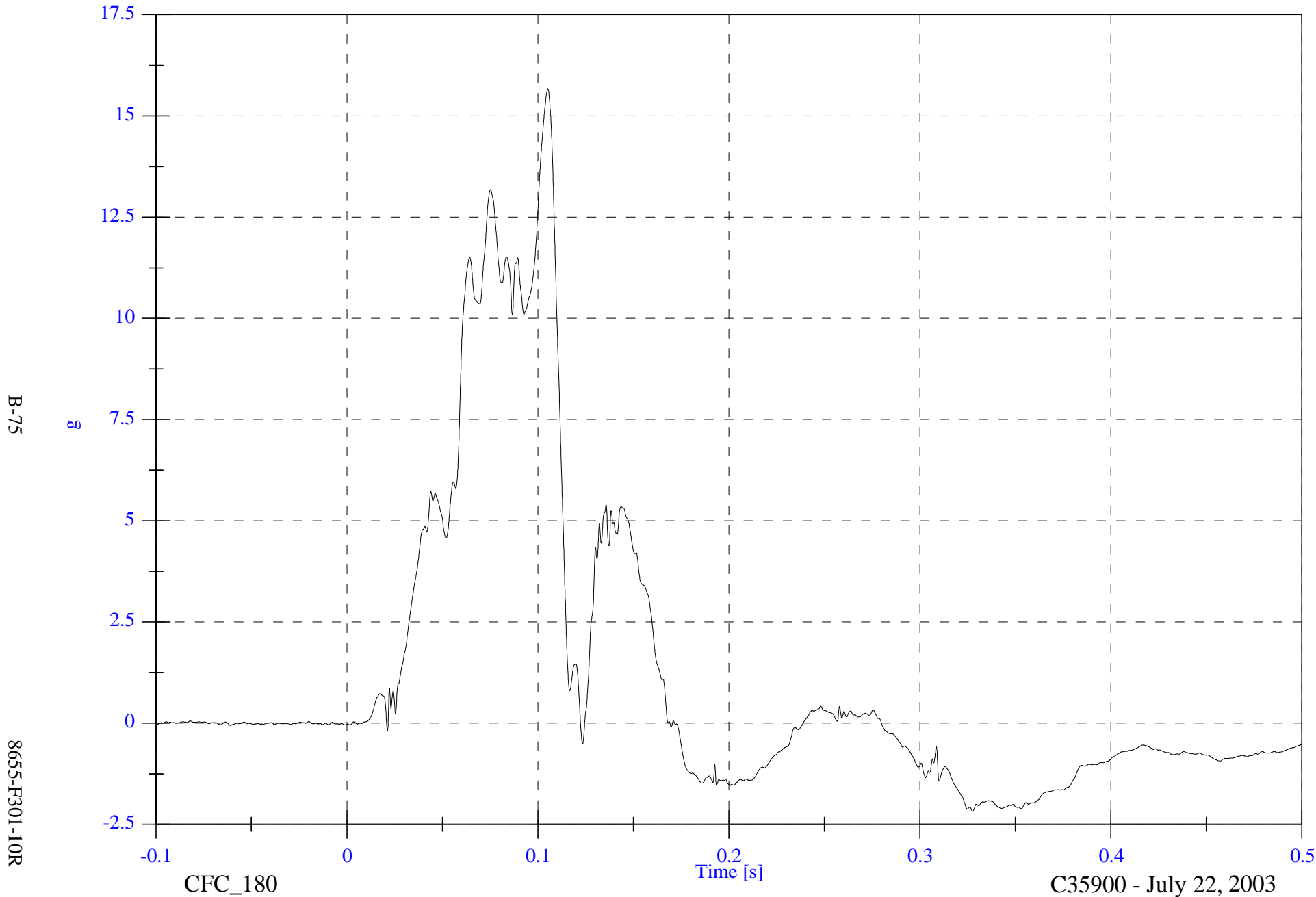
Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Chest Ax

Max: 15.7 [g] at 0.105 [s]
Min: -2.2 [g] at 0.328 [s]



B-75

8655-F301-10R

CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Chest Ay

Max: 57.0 [g] at 0.192 [s]
Min: -124.0 [g] at 0.079 [s]

B-76

8655-F301-10R



CFC_180

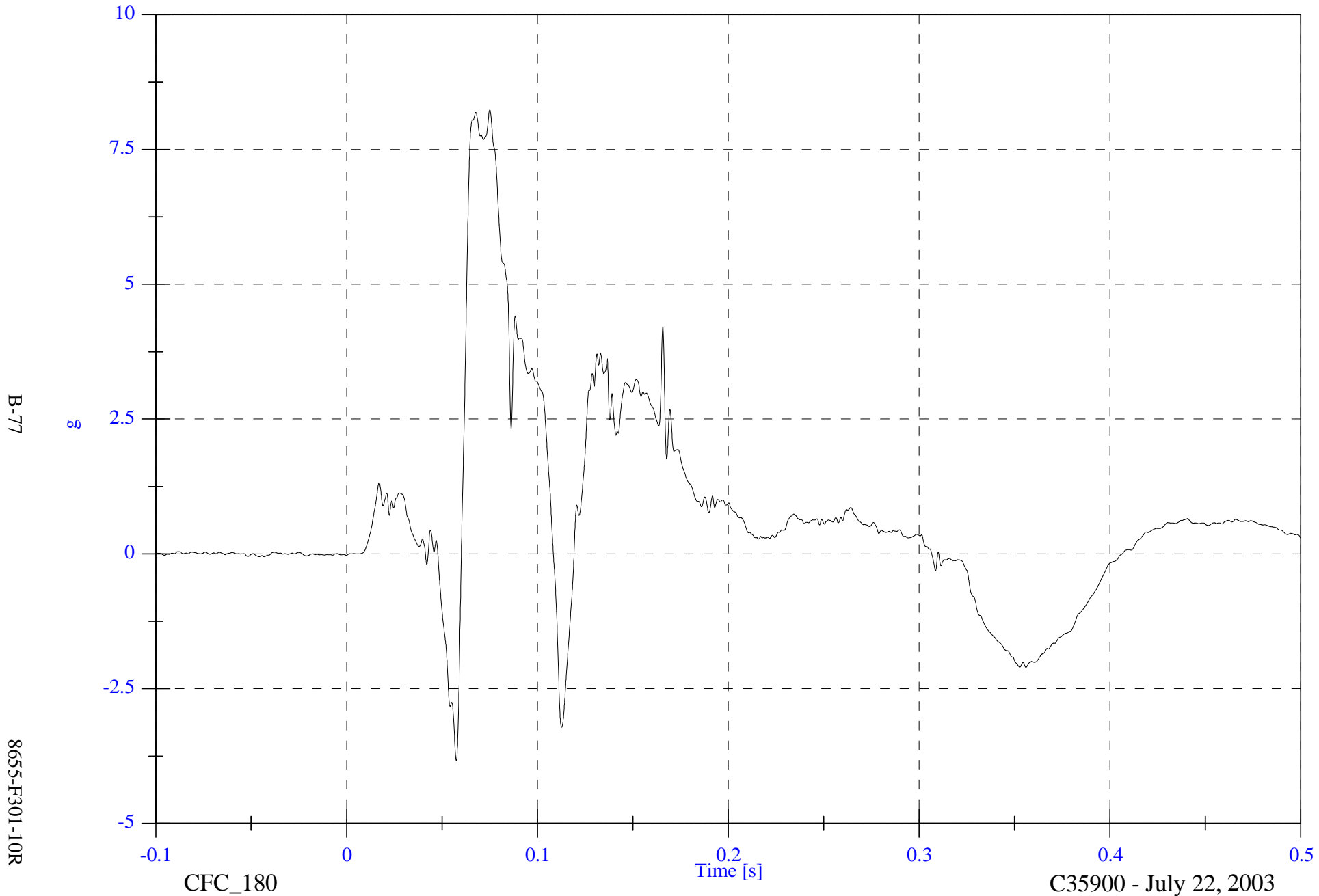
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Chest Az

Max: 8.2 [g] at 0.075 [s]

Min: -3.8 [g] at 0.057 [s]



B-77

8655-F301-10R

CFC_180

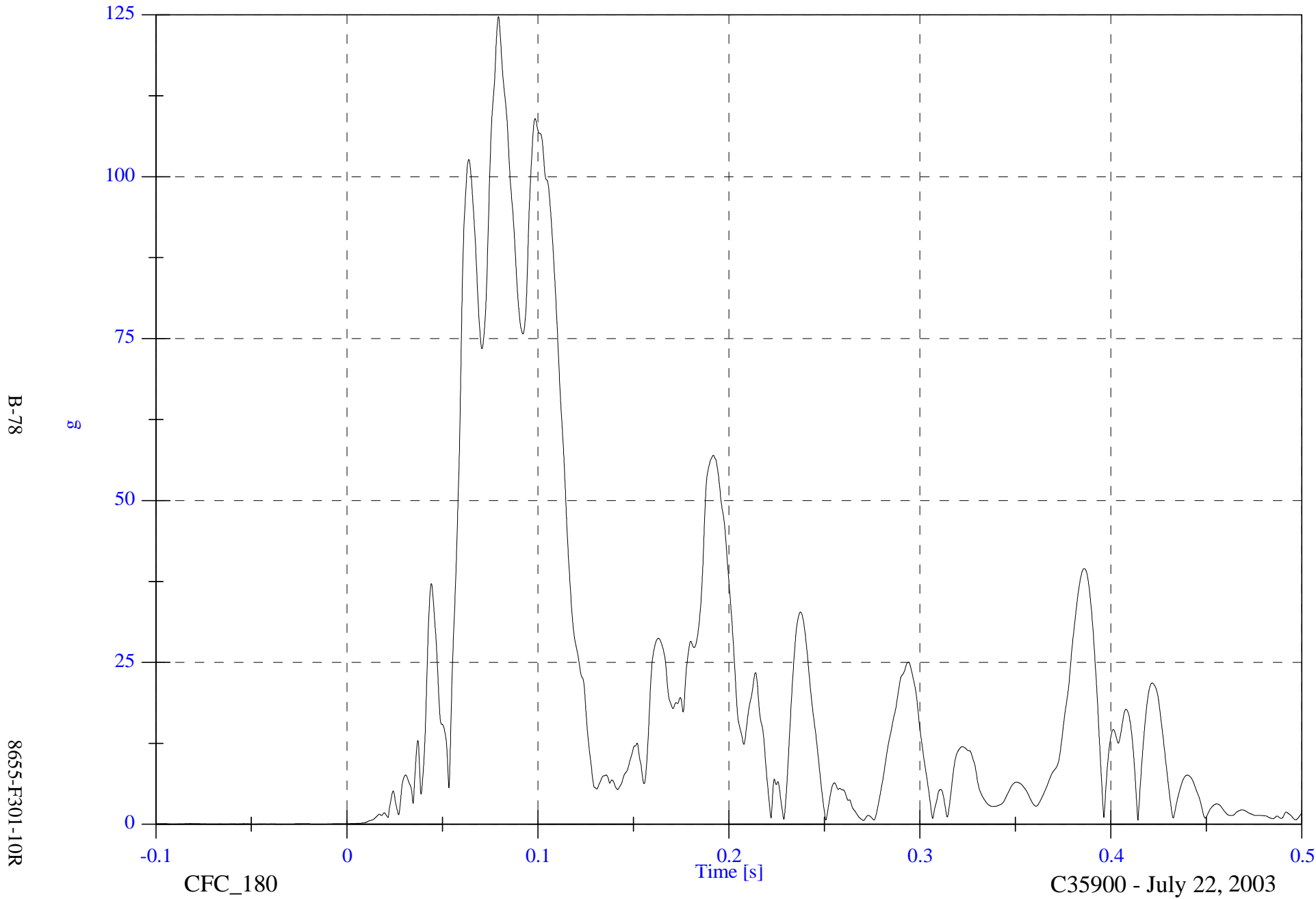
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Chest A Resultant

Max: 124.7 [g] at 0.079 [s]

Min: 0.0 [g] at -0.062 [s]



B-78

8655-F301-10R

CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Chest Dx

Max: 2.5 [mm] at 0.074 [s]

Min: -1.3 [mm] at 0.219 [s]



B-79

8655-F301-10R

CFC_600

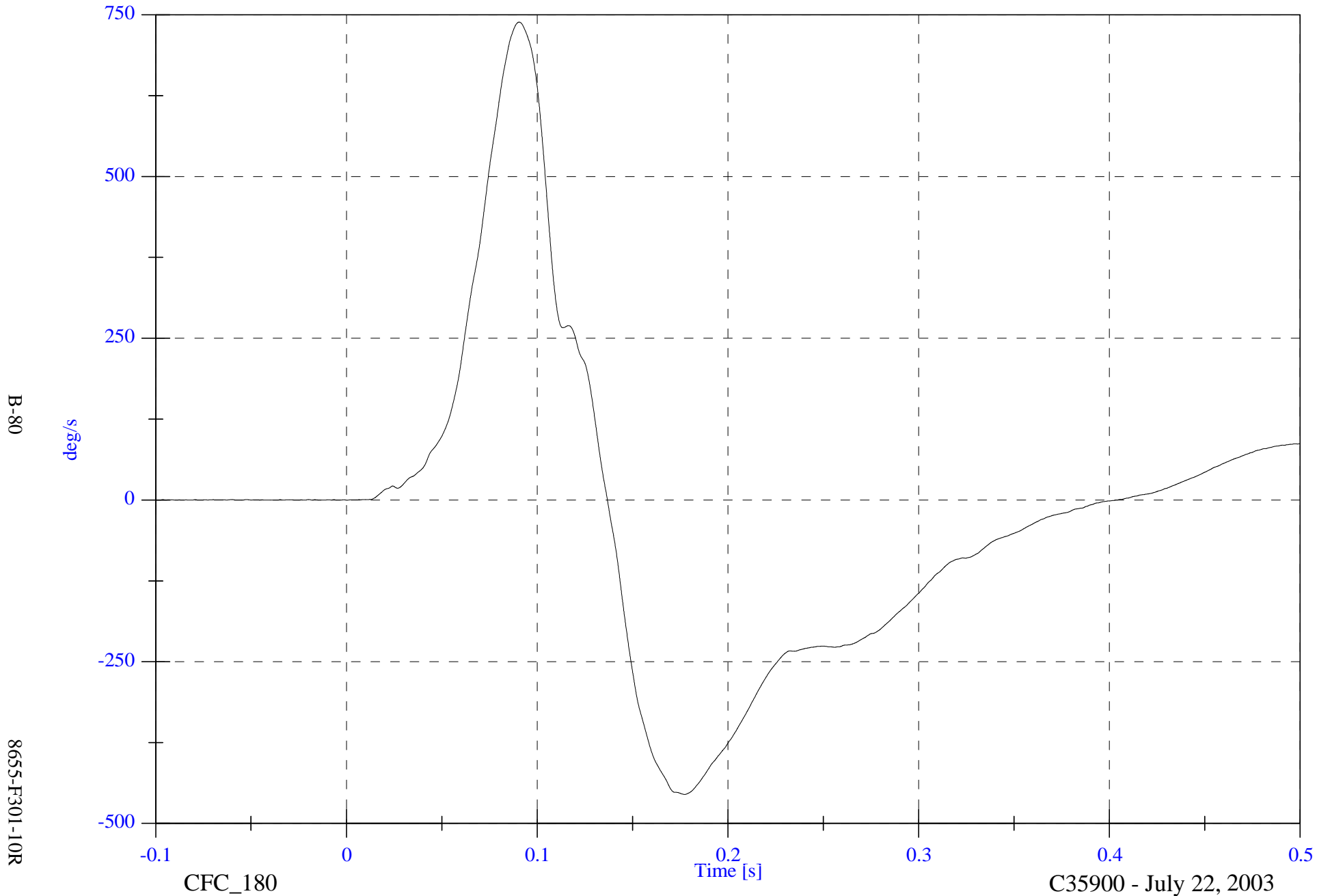
Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Chest AVy

Max: 738.5 [deg/s] at 0.090 [s]
Min: -455.1 [deg/s] at 0.177 [s]



B-80

8655-F301-10R

CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

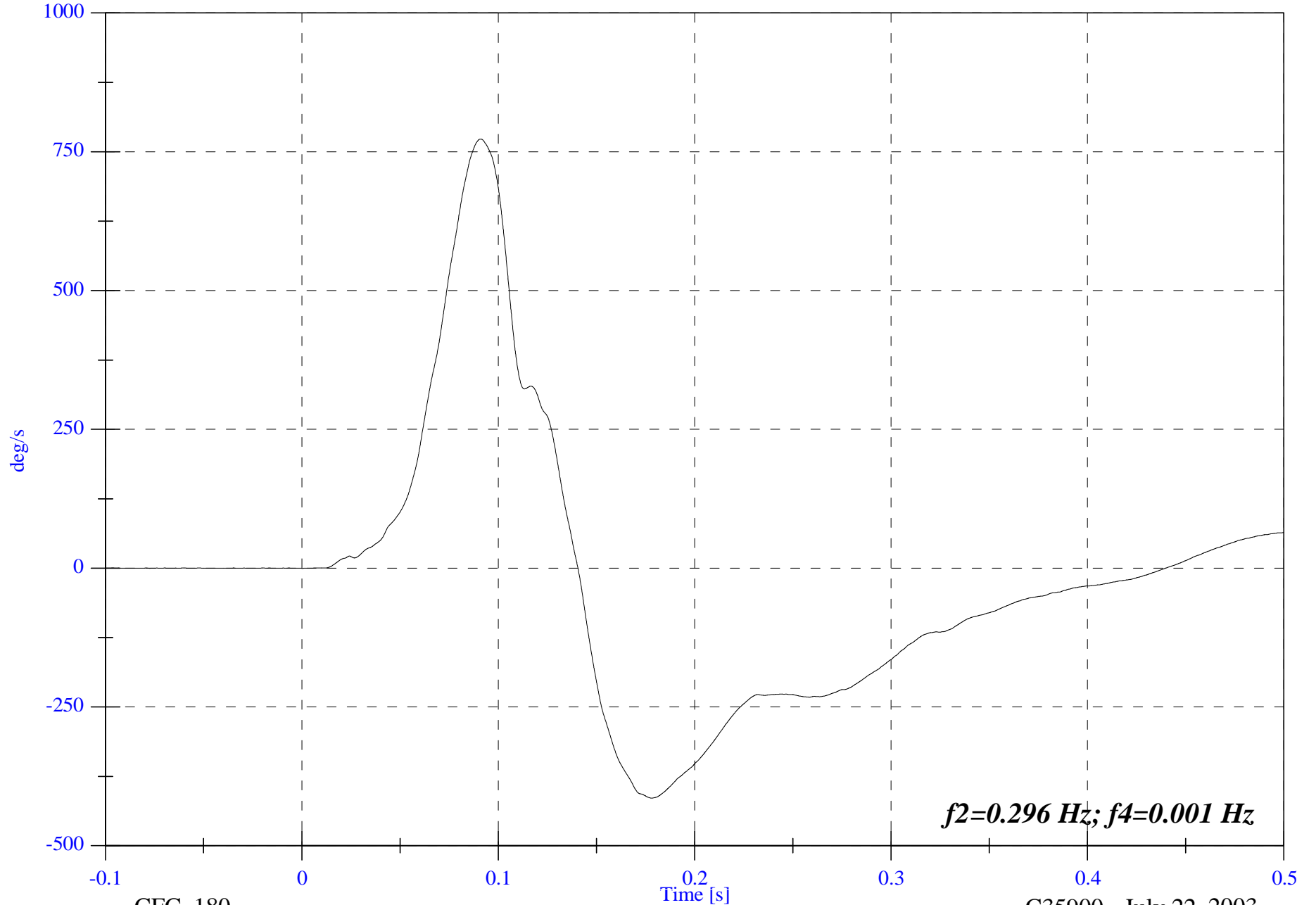
V2P2 Chest Comp AVy

Max: 772.9 [deg/s] at 0.091 [s]

Min: -414.2 [deg/s] at 0.178 [s]

B-81

8655-F301-10R



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

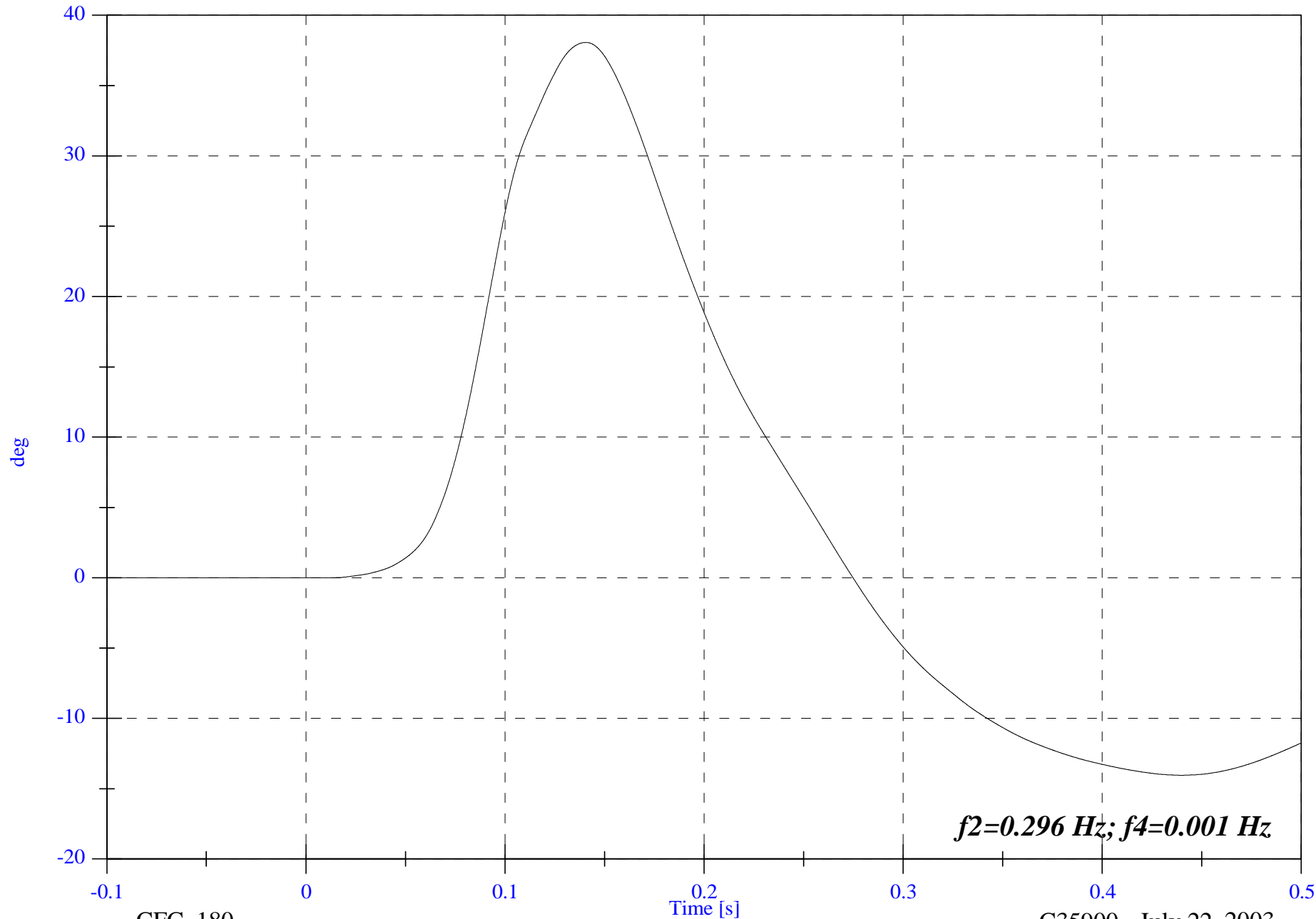
V2P2 Chest Comp ADy

Max: 38.1 [deg] at 0.141 [s]

Min: -14.0 [deg] at 0.440 [s]

B-82

8655-F301-10R



CFC_180

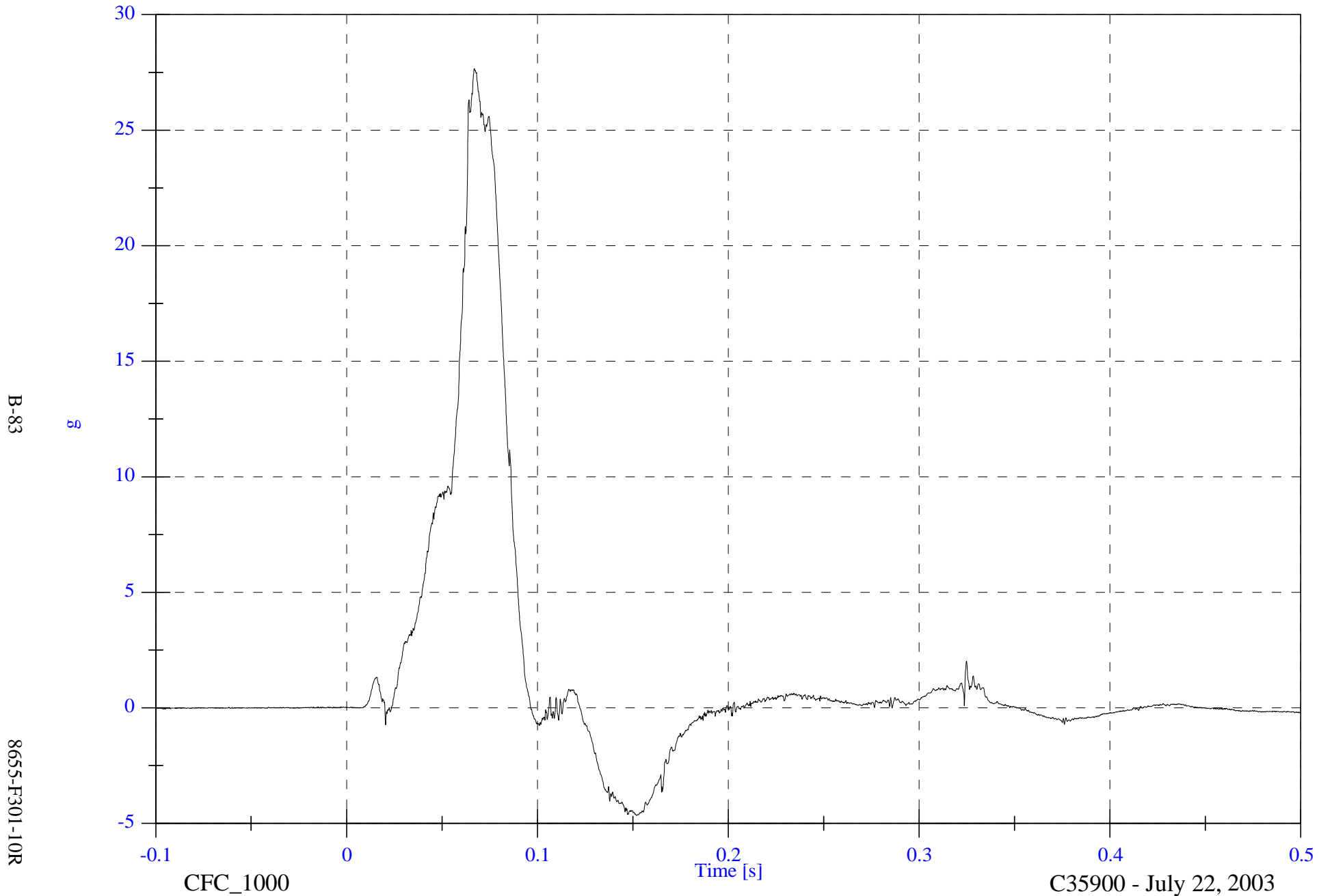
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Pelvic Ax

Max: 27.7 [g] at 0.067 [s]

Min: -4.7 [g] at 0.152 [s]



B-83

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

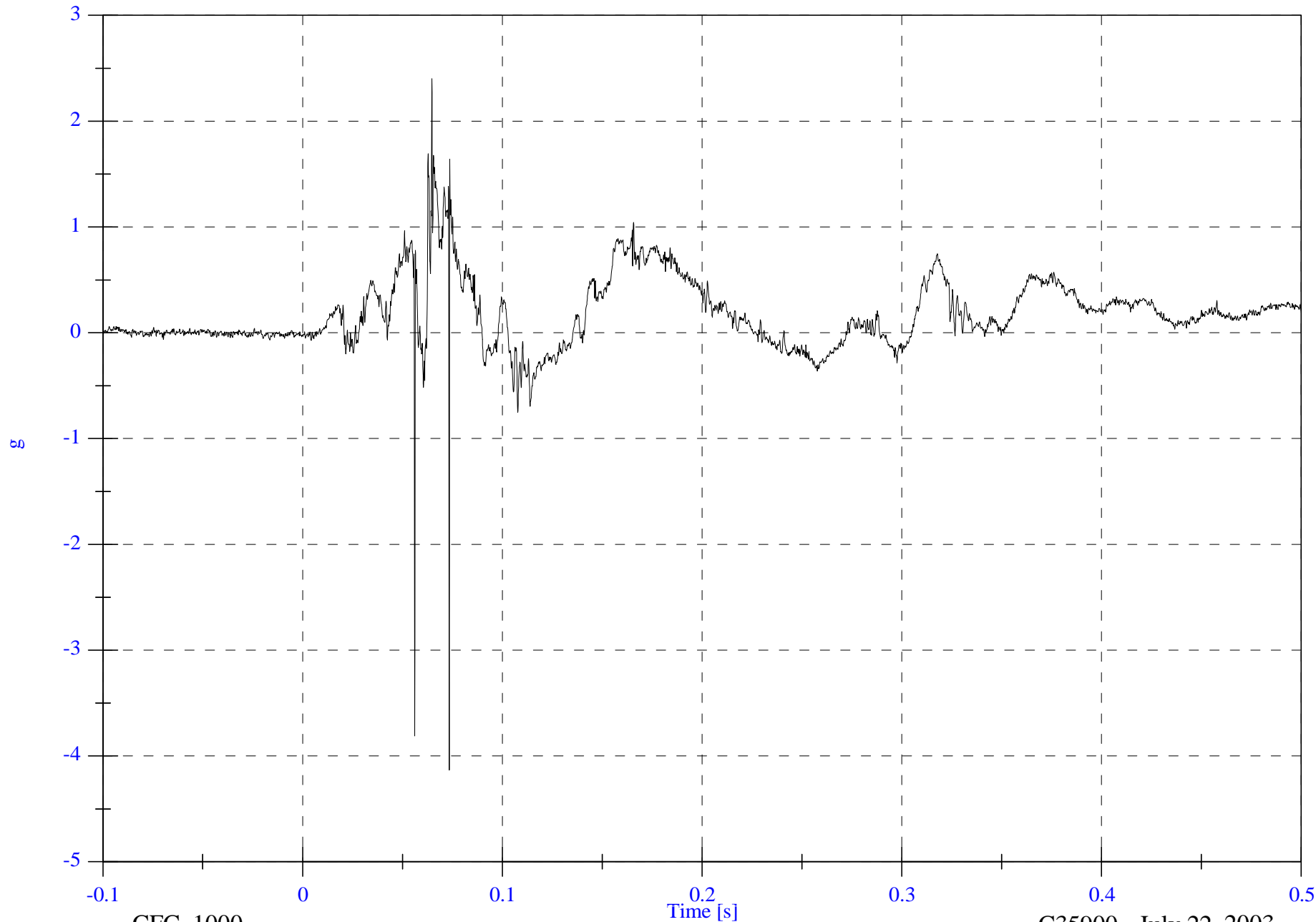
V2P2 Pelvic Ay

Max: 2.4 [g] at 0.065 [s]

Min: -4.1 [g] at 0.073 [s]

B-84

8655-F301-10R



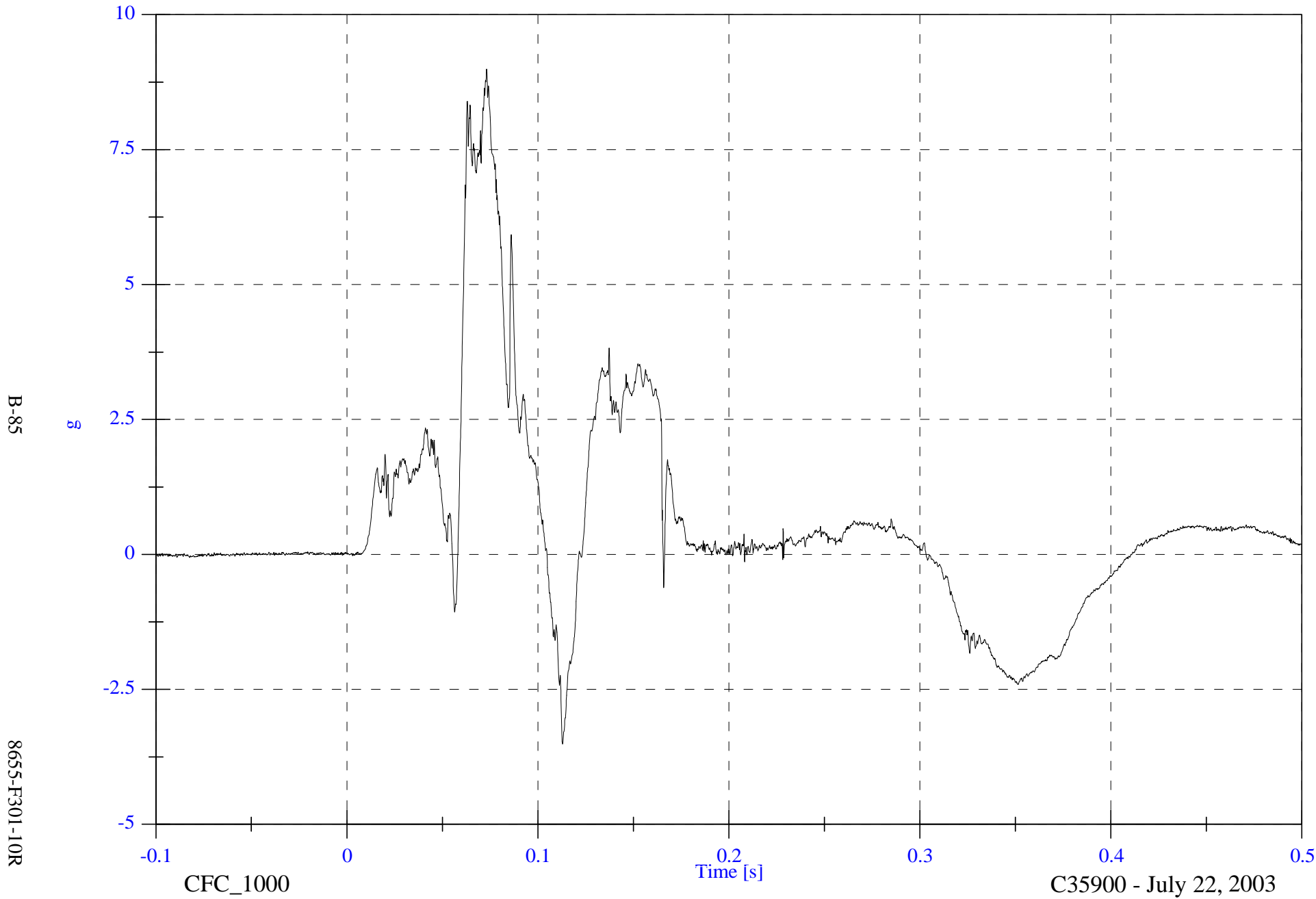
CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Pelvic Az

Max: 9.0 [g] at 0.073 [s]
Min: -3.5 [g] at 0.113 [s]



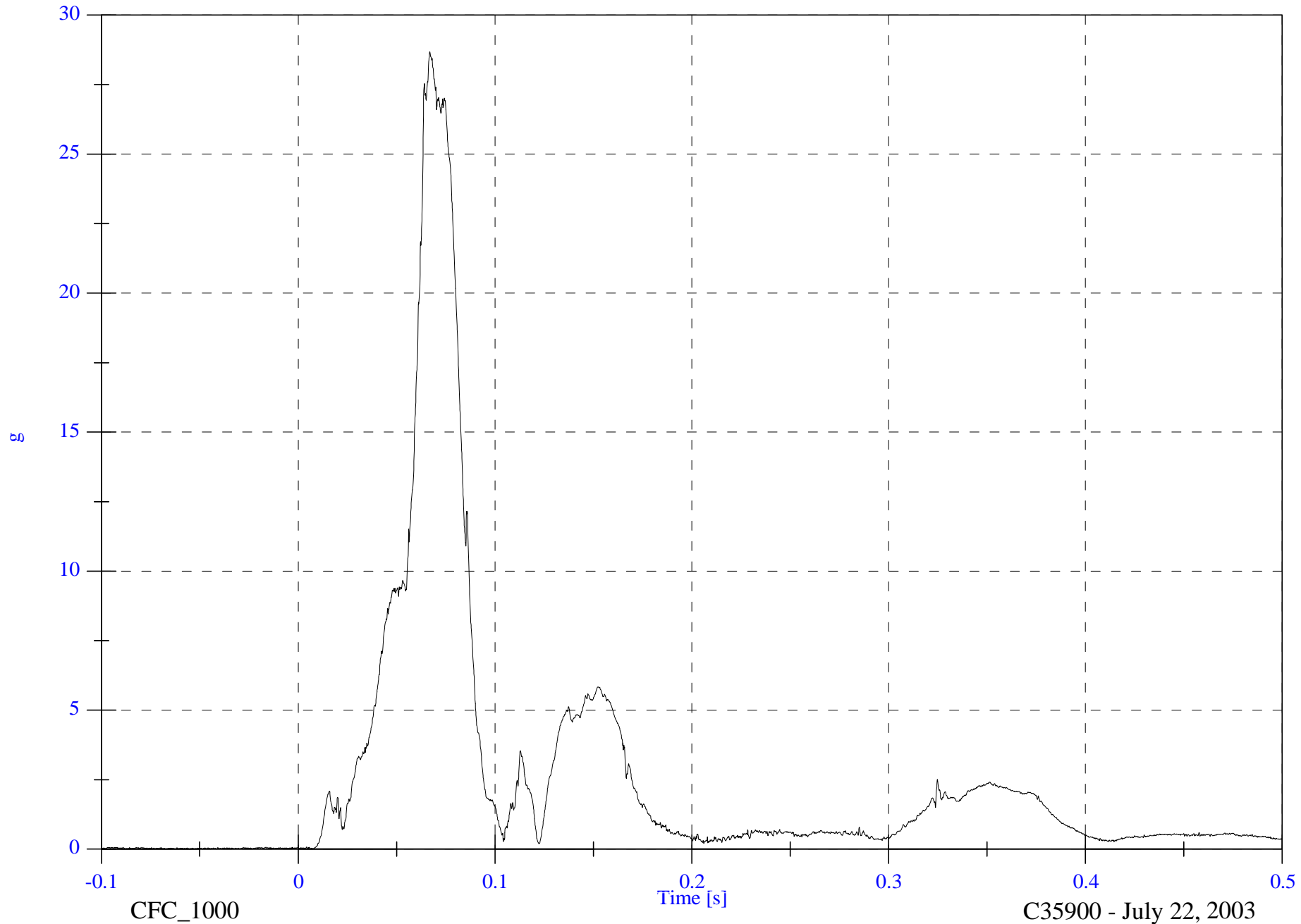
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Pelvic A Resultant

Max: 28.7 [g] at 0.067 [s]
Min: 0.0 [g] at -0.039 [s]

B-86

8655-F301-10R

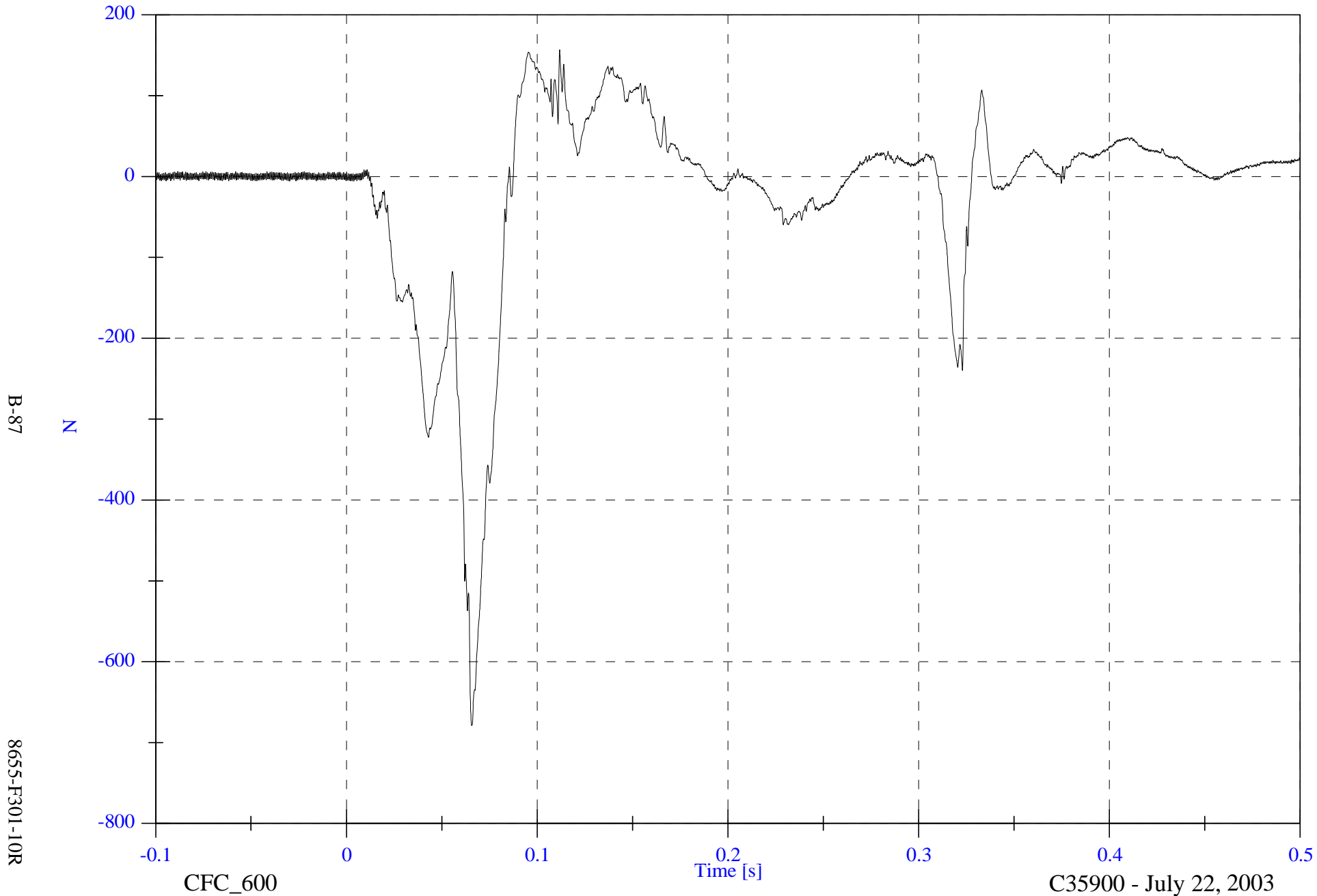


FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Left Femur Fz

Max: 156.8 [N] at 0.112 [s]

Min: -678.9 [N] at 0.066 [s]



B-87

8655-F301-10R

CFC_600

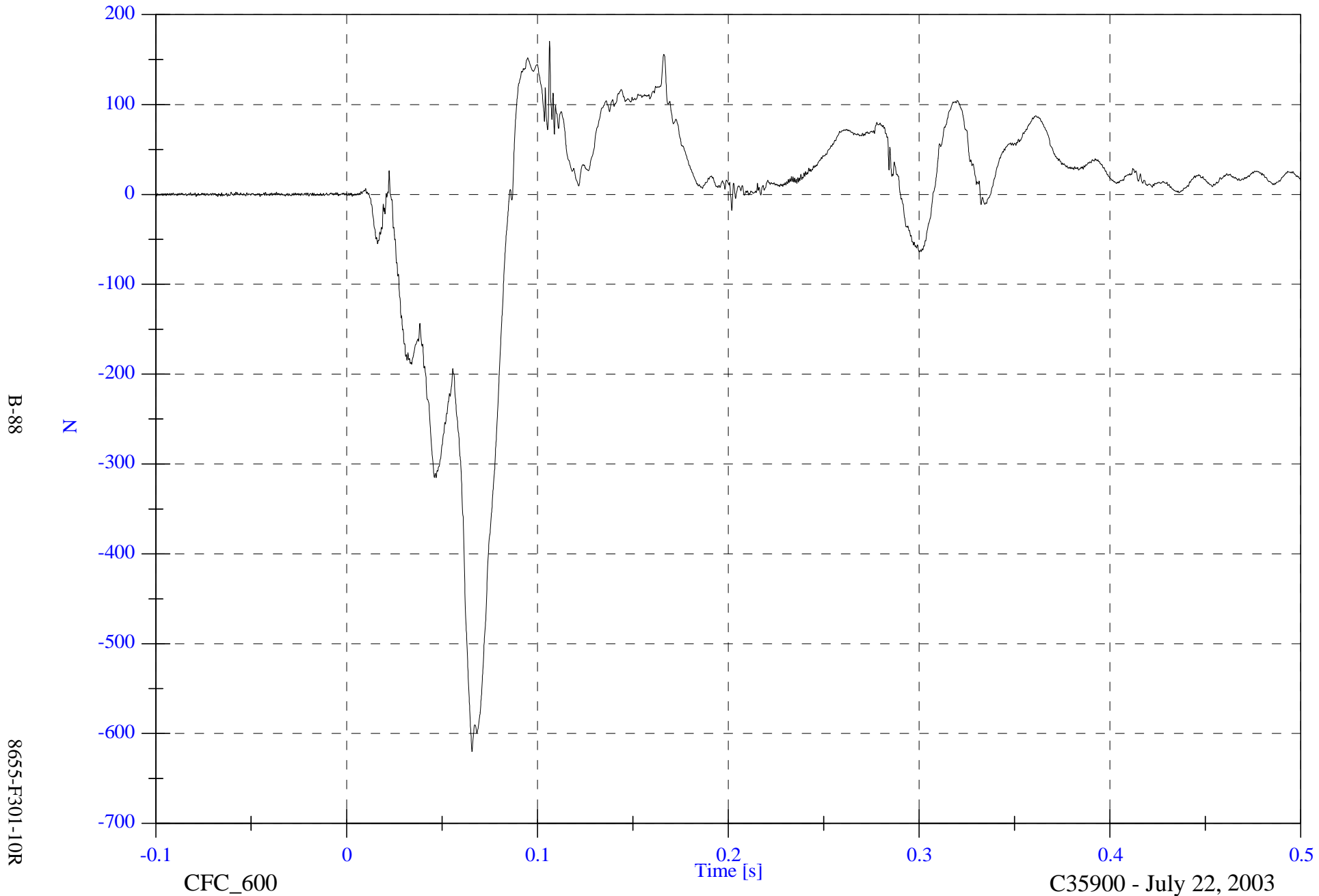
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Right Femur Fz

Max: 170.6 [N] at 0.106 [s]

Min: -620.1 [N] at 0.066 [s]



B-88

8655-F301-10R

CFC_600

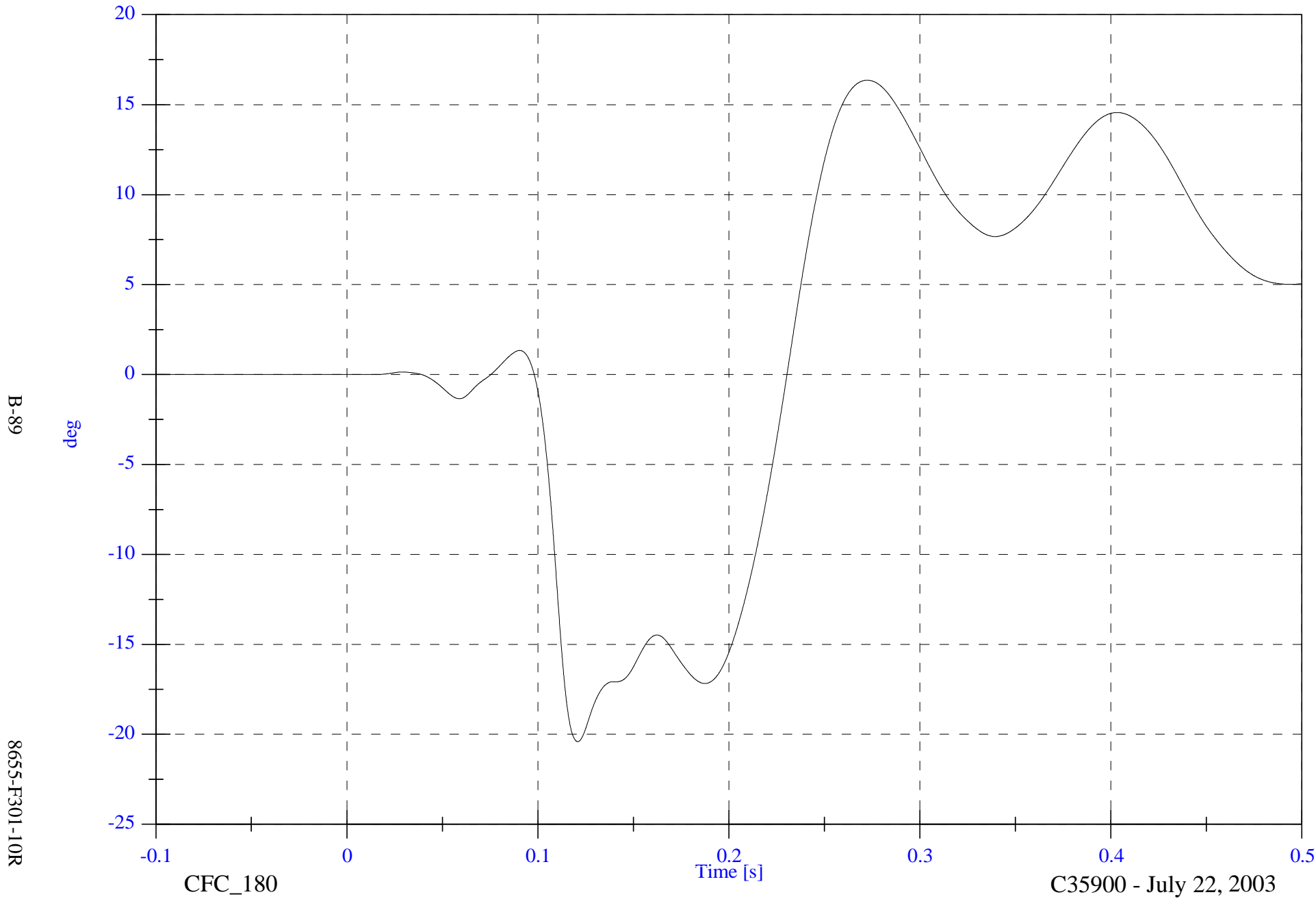
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Head to Chest Comp ADy

Max: 16.4 [deg] at 0.272 [s]

Min: -20.4 [deg] at 0.121 [s]



B-89

8655-F301-10R

CFC_180

Time [s]

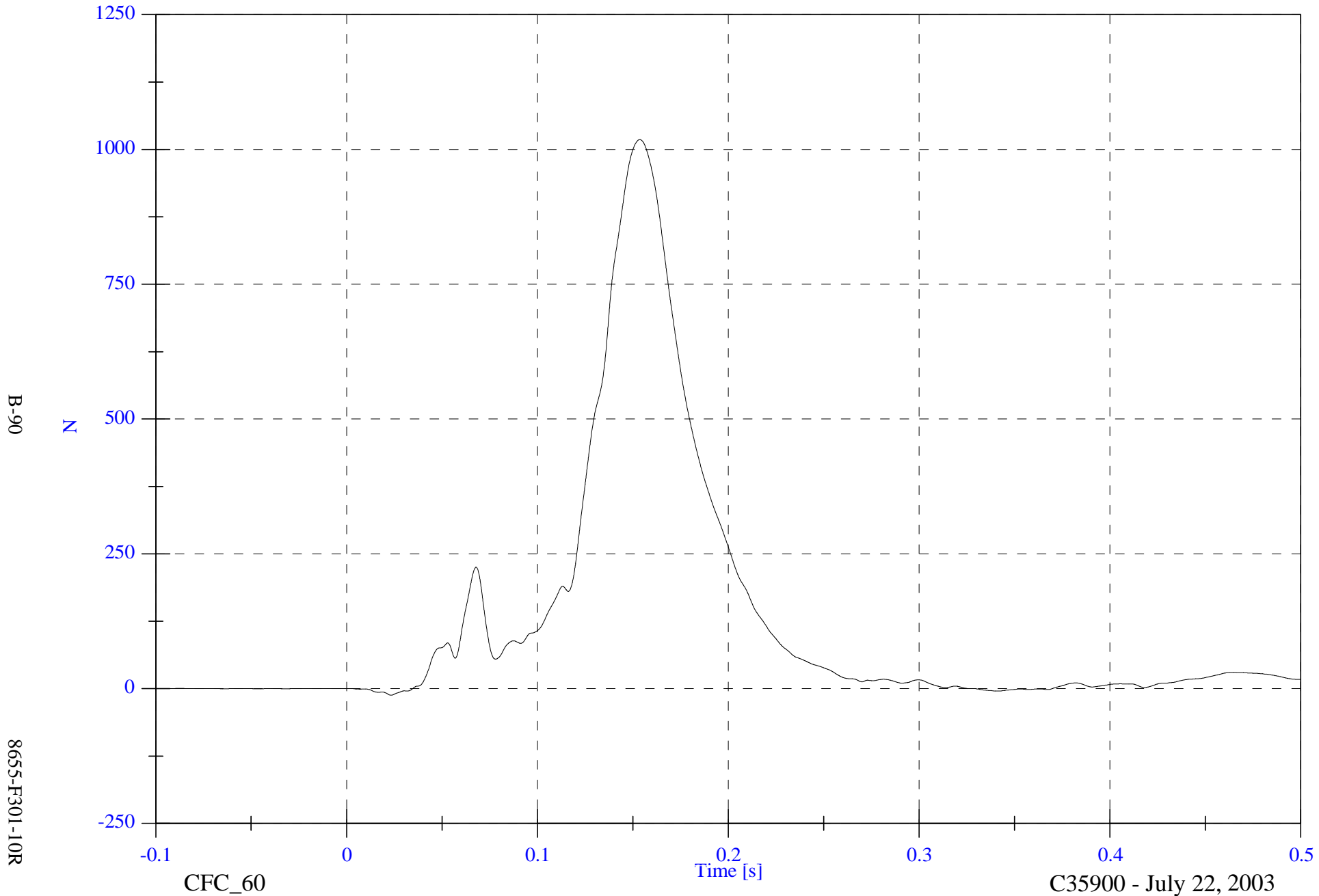
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 RFP Lap Belt F

Max: 1018.4 [N] at 0.154 [s]

Min: -12.2 [N] at 0.023 [s]

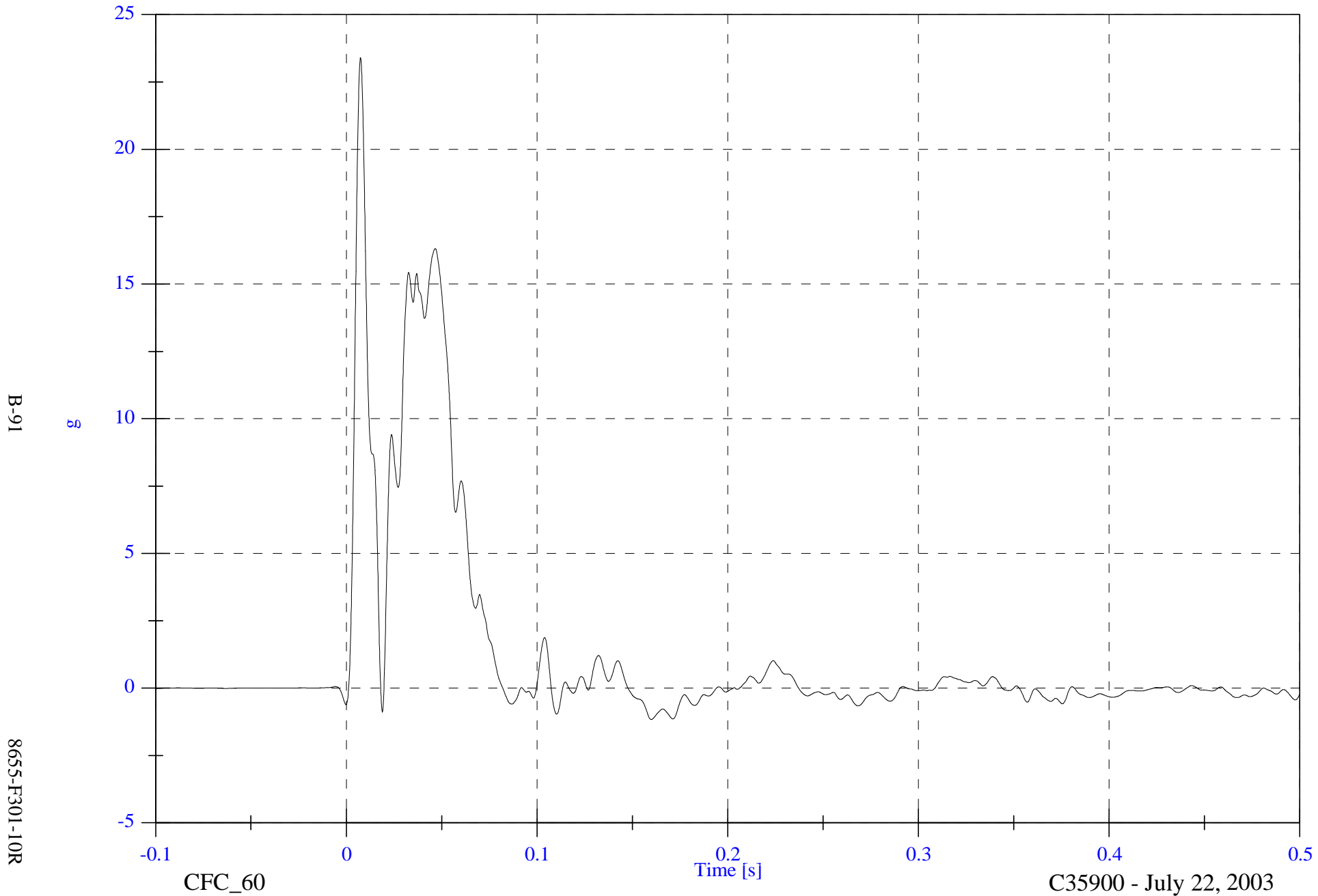


FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left X Member Ax

Max: 23.4 [g] at 0.007 [s]

Min: -1.2 [g] at 0.160 [s]



B-91

8655-F301-10R

CFC_60

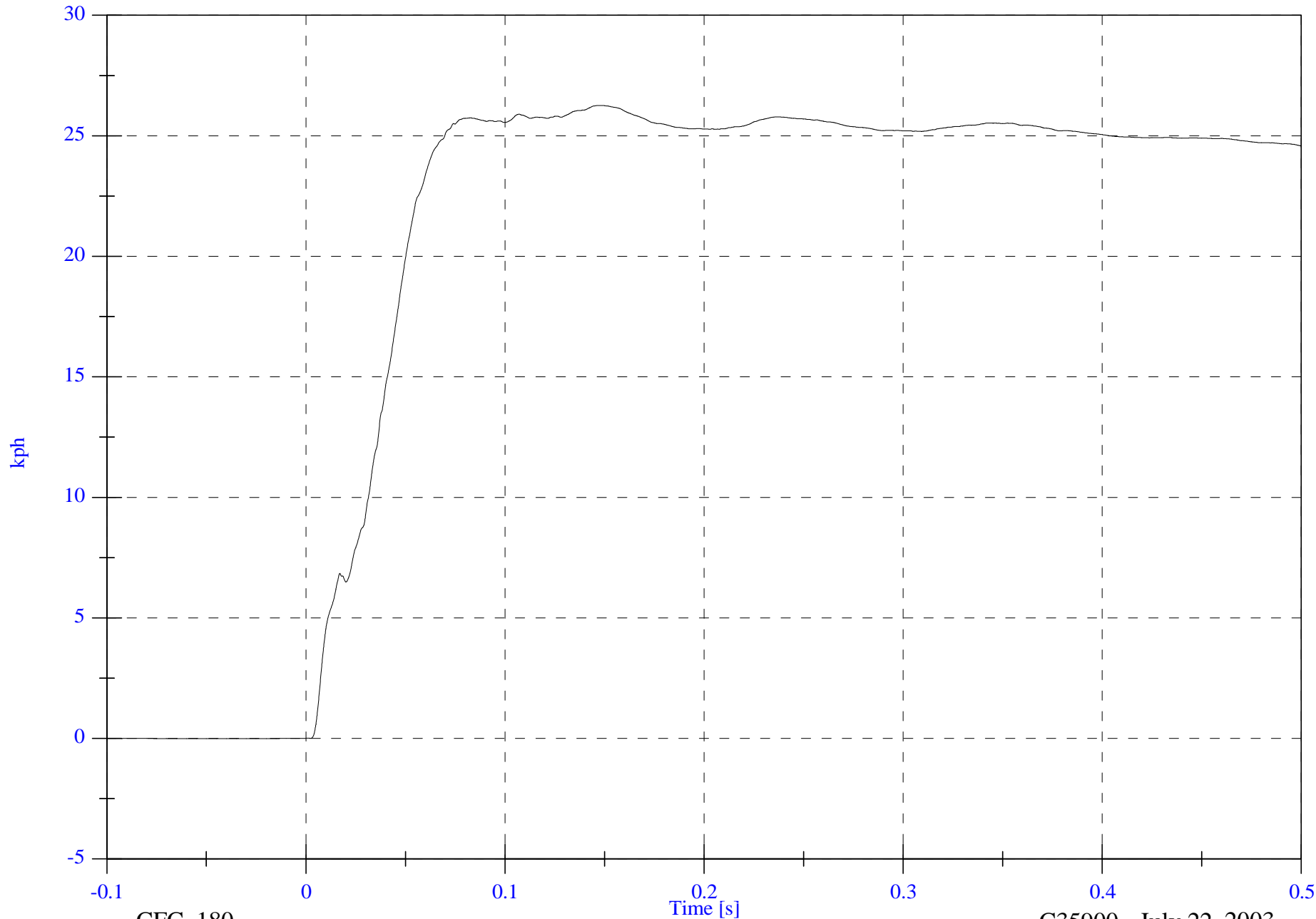
Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left X Member Ax Velocity

Max: 26.3 [kph] at 0.147 [s]
Min: -0.0 [kph] at -0.048 [s]



B-92

8655-F301-10R

CFC_180

Time [s]

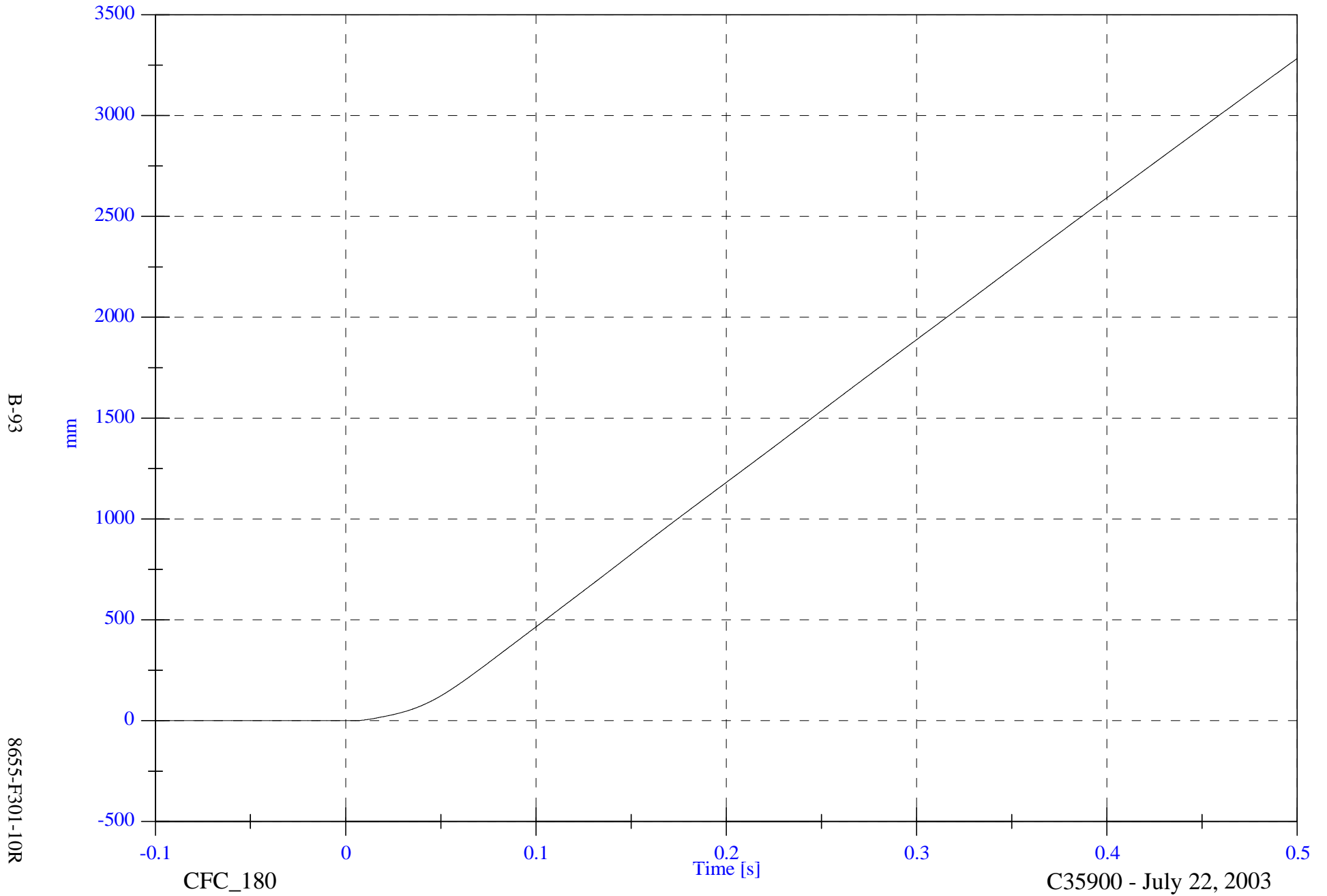
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left X Member Ax Displacement

Max: 3282.1 [mm] at 0.500 [s]

Min: -0.0 [mm] at -0.010 [s]



B-93

8655-F301-10R

CFC_180

Time [s]

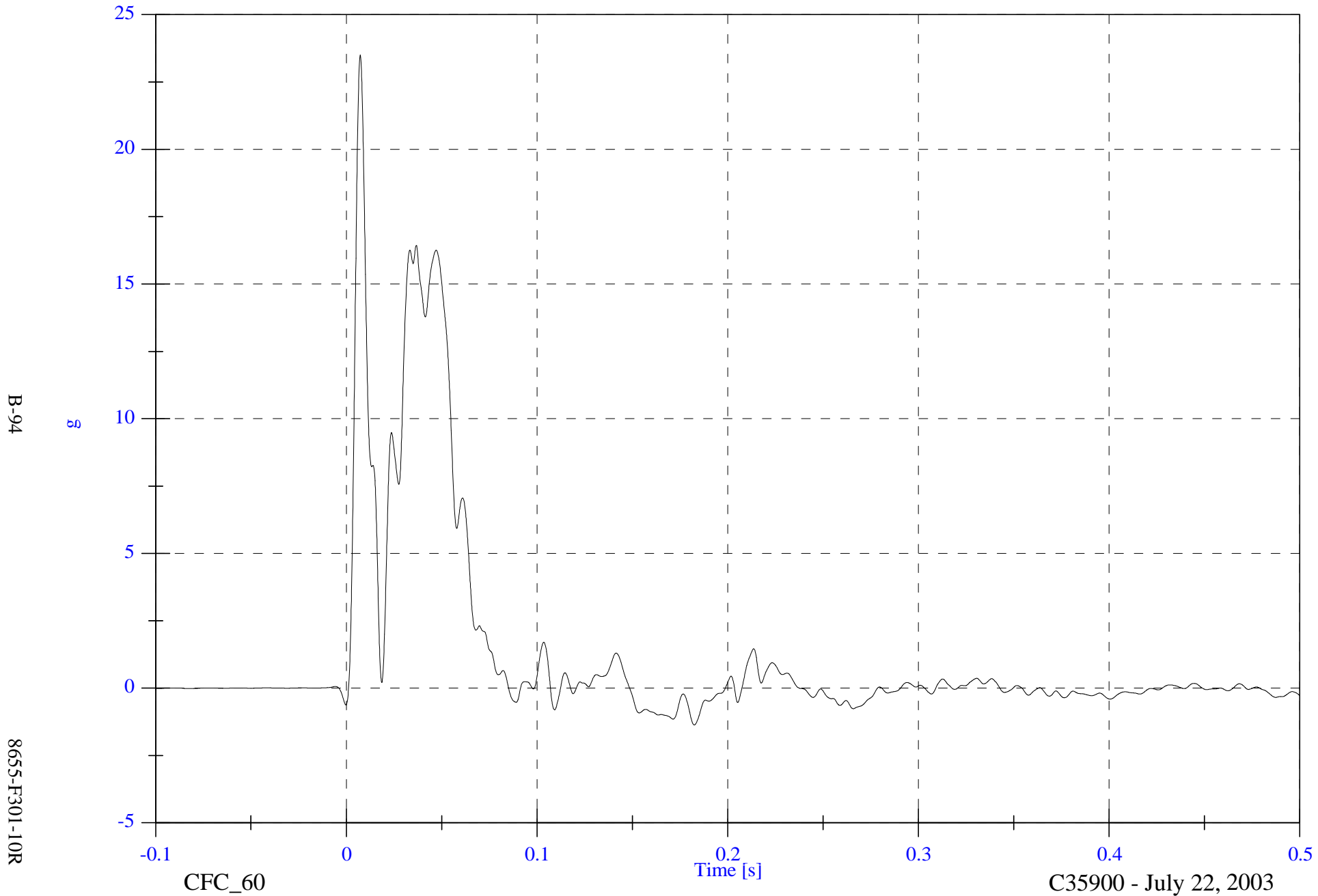
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left X Member Red Ax

Max: 23.5 [g] at 0.007 [s]

Min: -1.4 [g] at 0.182 [s]



B-94

8655-F301-10R

CFC_60

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

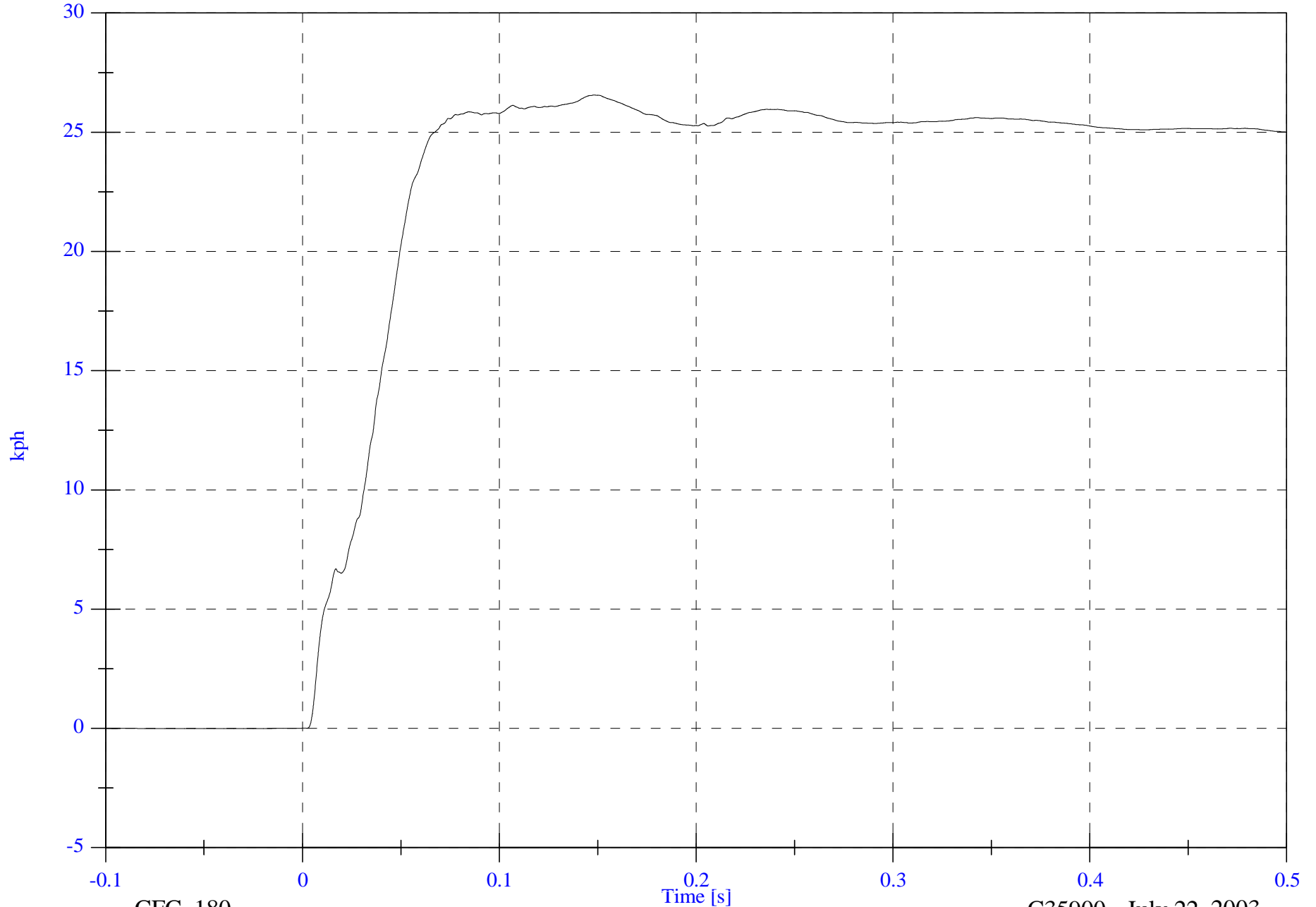
V2 Left X Member Red Ax Velocity

Max: 26.6 [kph] at 0.148 [s]

Min: -0.0 [kph] at -0.048 [s]

B-95

8655-F301-10R



CFC_180

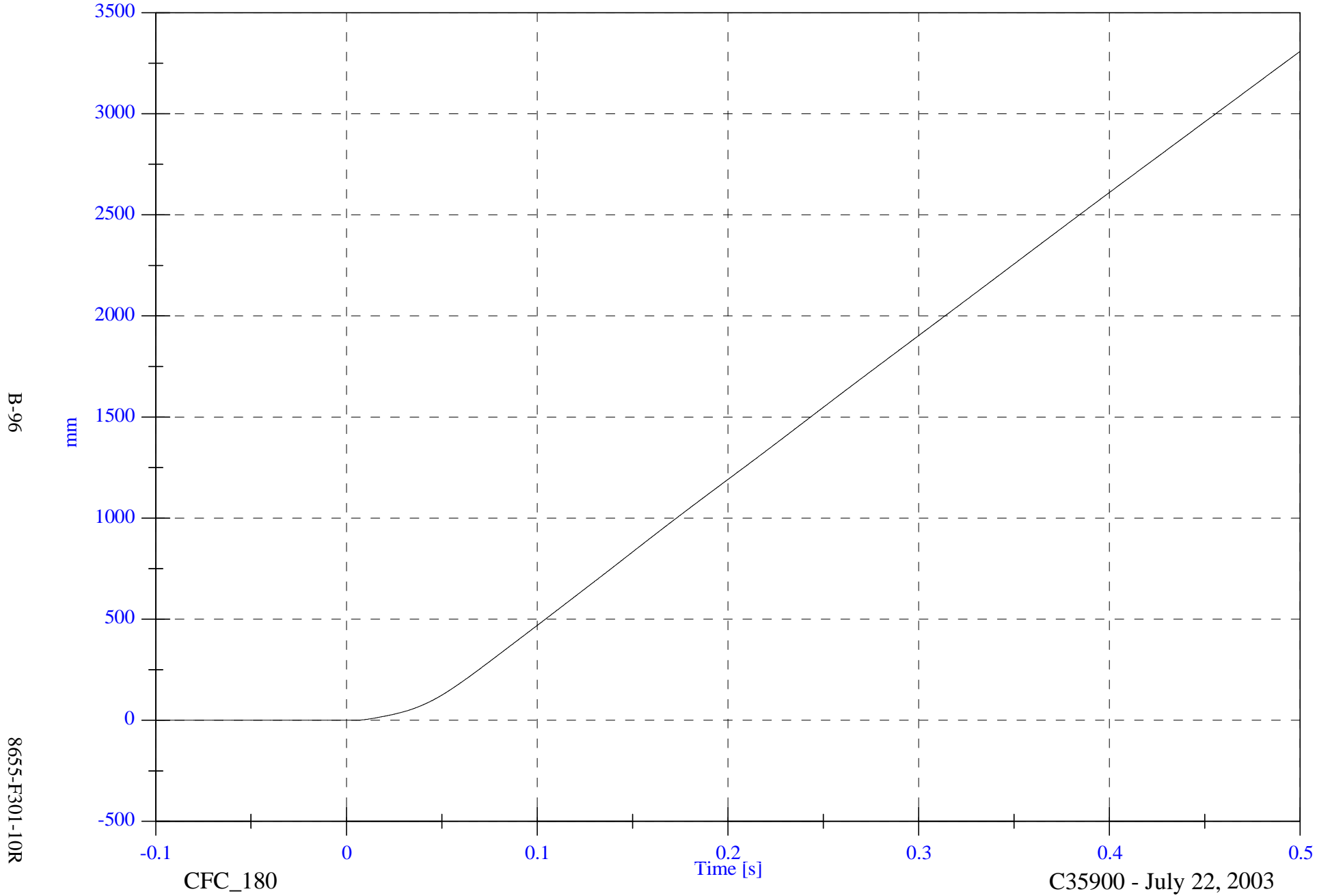
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left X Member Red Ax Displacement

Max: 3307.9 [mm] at 0.500 [s]

Min: -0.0 [mm] at -0.010 [s]



B-96

8655-F301-10R

CFC_180

Time [s]

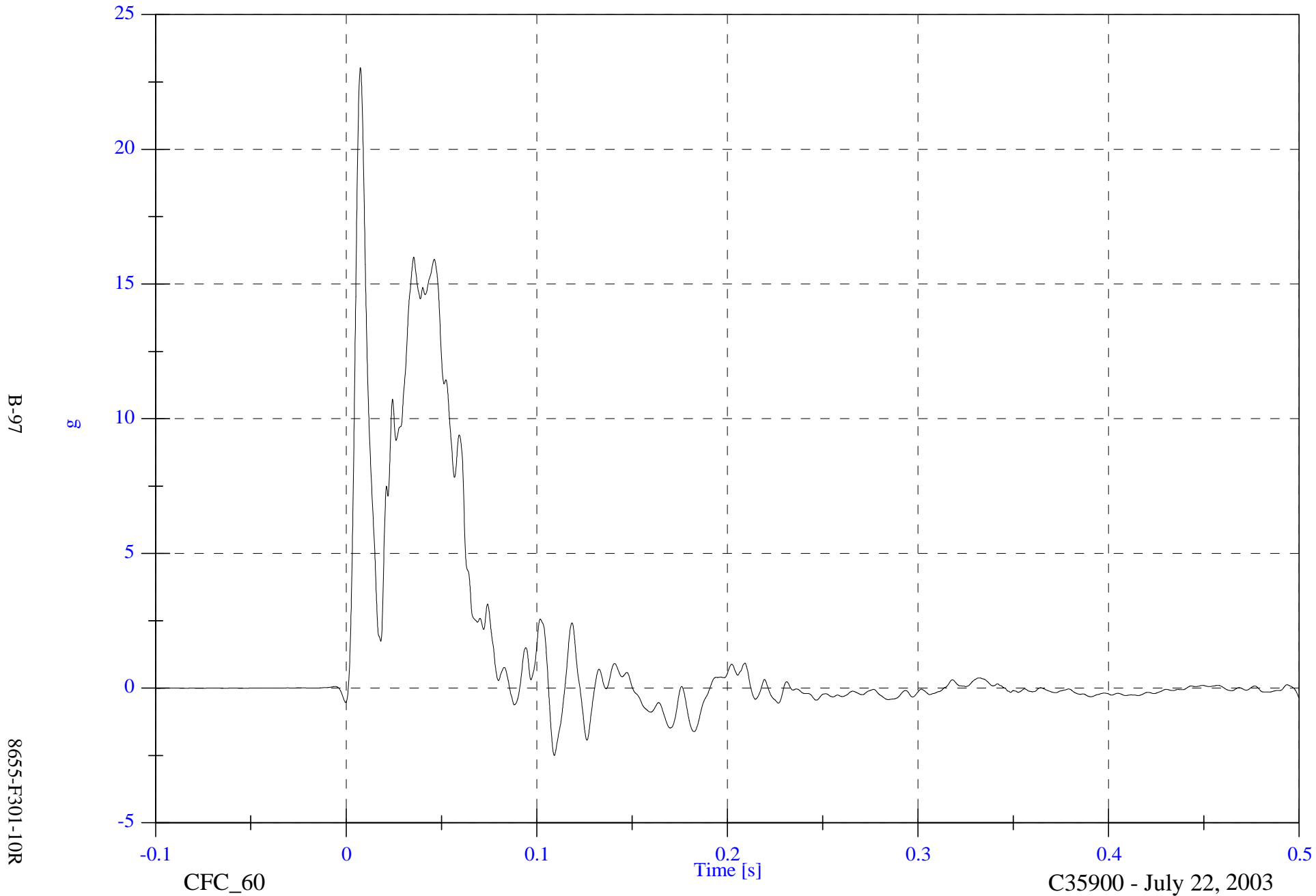
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Right X Member Ax

Max: 23.0 [g] at 0.007 [s]

Min: -2.5 [g] at 0.109 [s]



B-97

8655-F301-10R

CFC_60

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

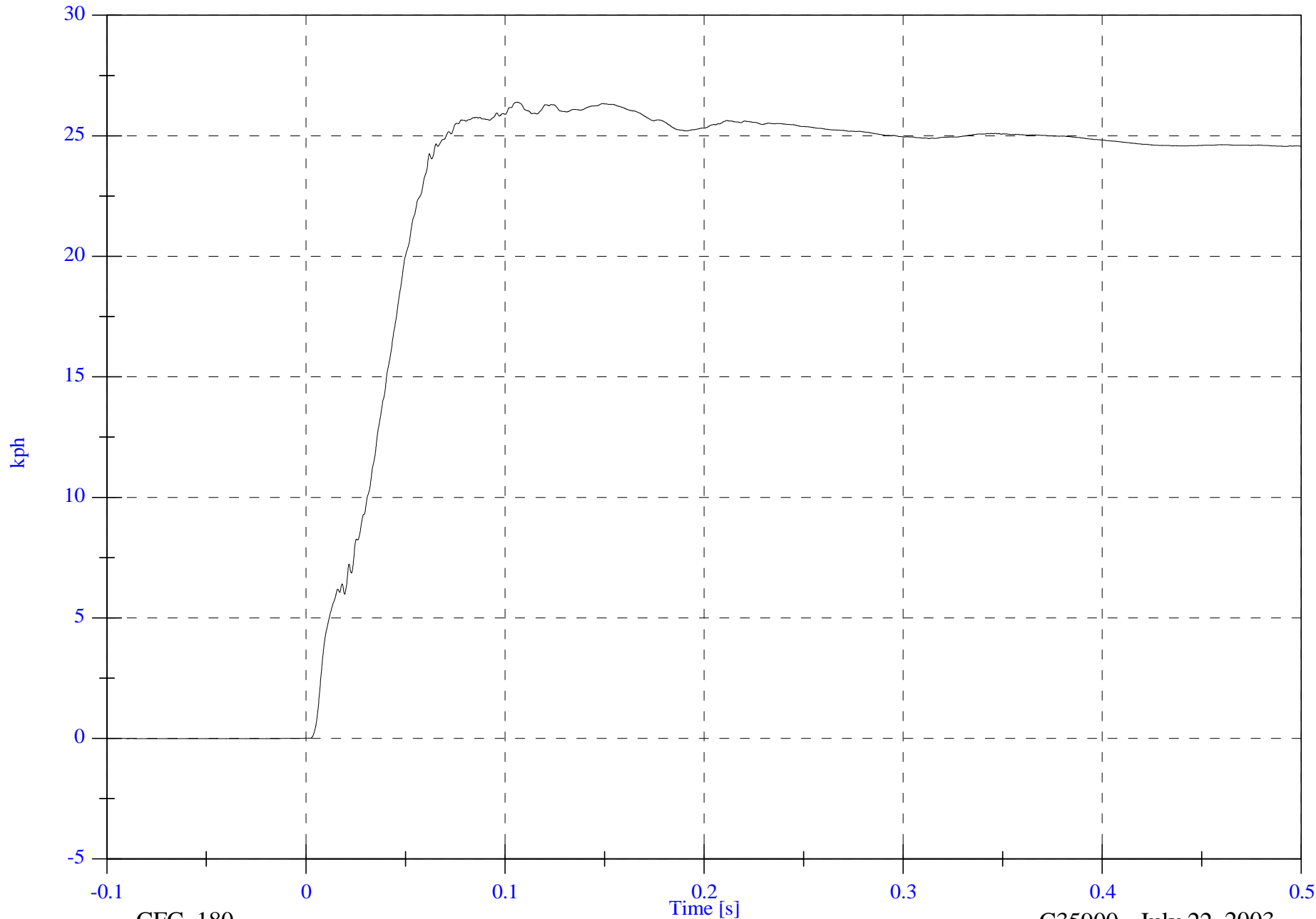
V2 Right X Member Ax Velocity

Max: 26.4 [kph] at 0.106 [s]

Min: -0.0 [kph] at -0.049 [s]

B-98

8655-F301-10R



CFC_180

Time [s]

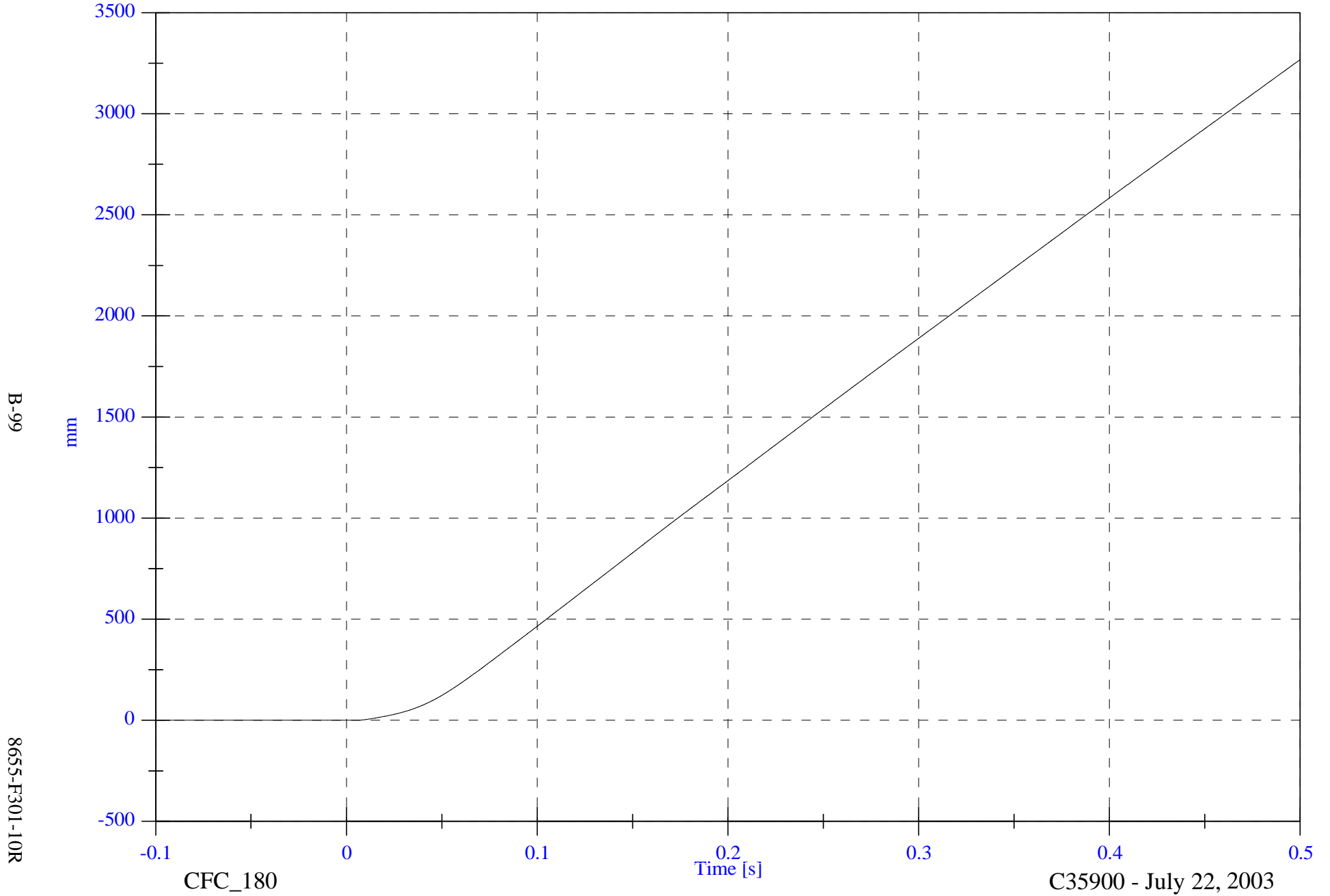
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Right X Member Ax Displacement

Max: 3266.8 [mm] at 0.500 [s]

Min: -0.0 [mm] at -0.010 [s]



B-99

8655-F301-10R

CFC_180

Time [s]

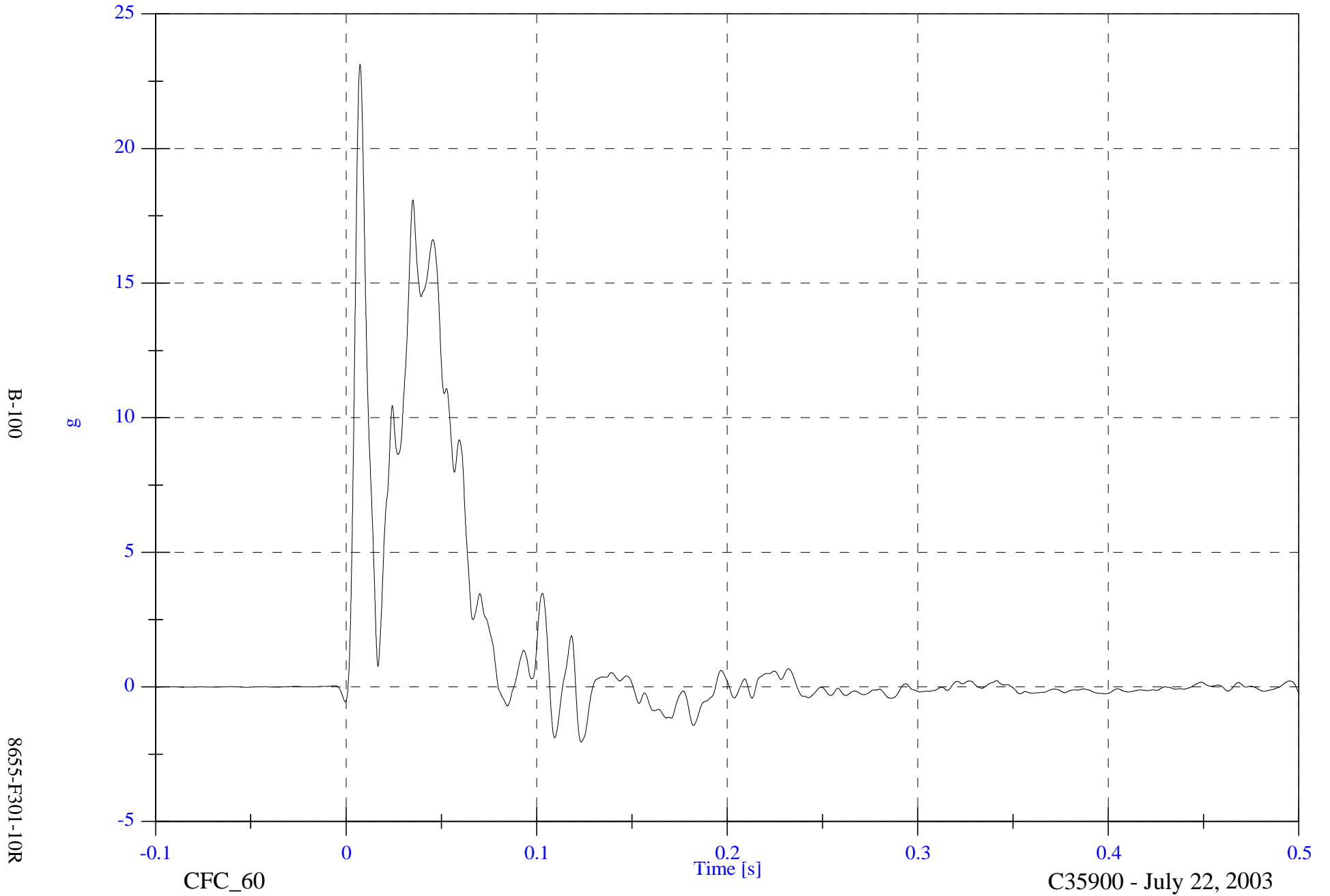
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Right X Member Red Ax

Max: 23.1 [g] at 0.007 [s]

Min: -2.0 [g] at 0.123 [s]

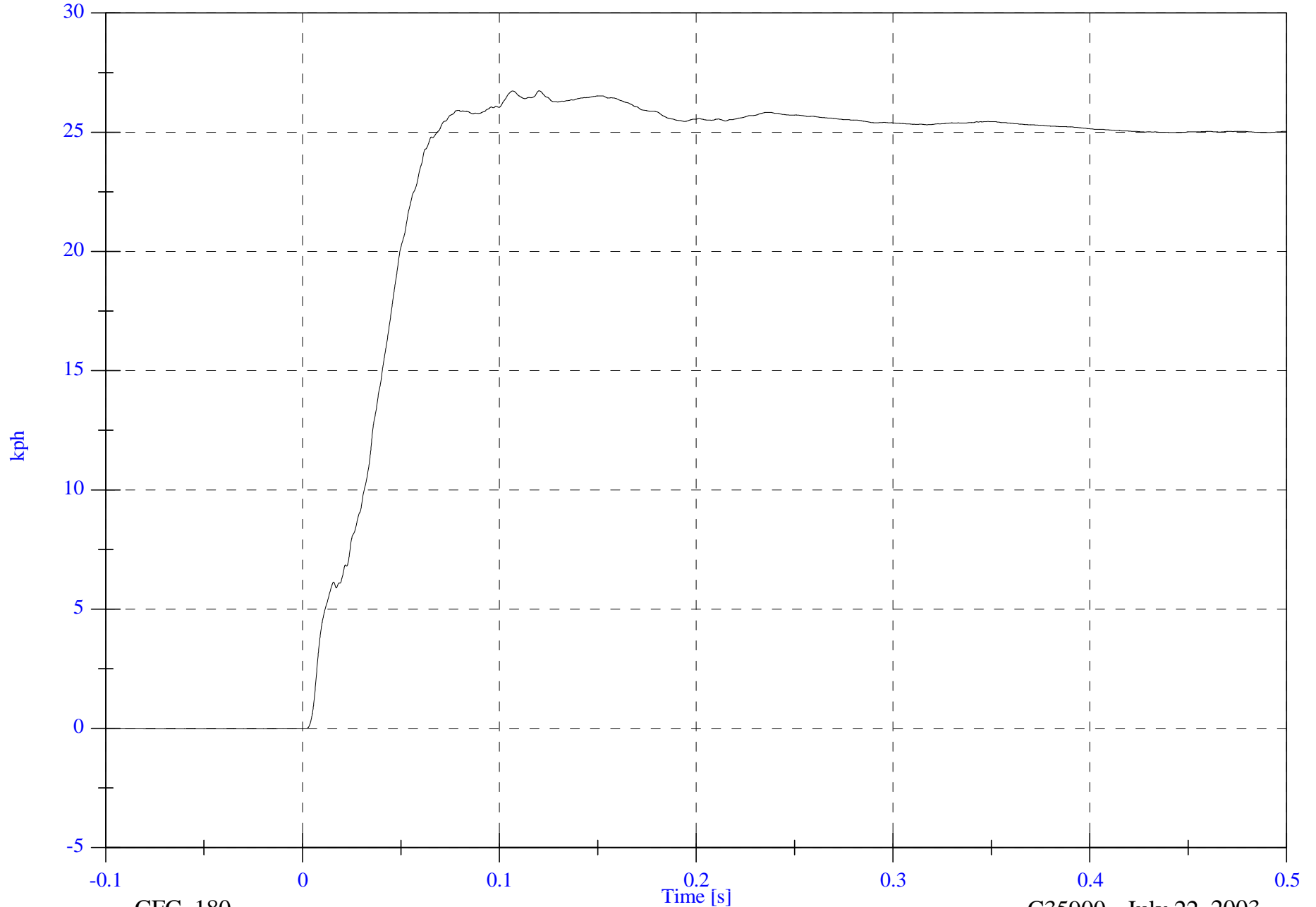


FMVSS 301 Test 1 - 2003 Volvo V70

Max: 26.7 [kph] at 0.120 [s]

V2 Right X Member Red Ax Velocity

Min: -0.0 [kph] at -0.033 [s]



B-101

8655-F301-10R

CFC_180

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

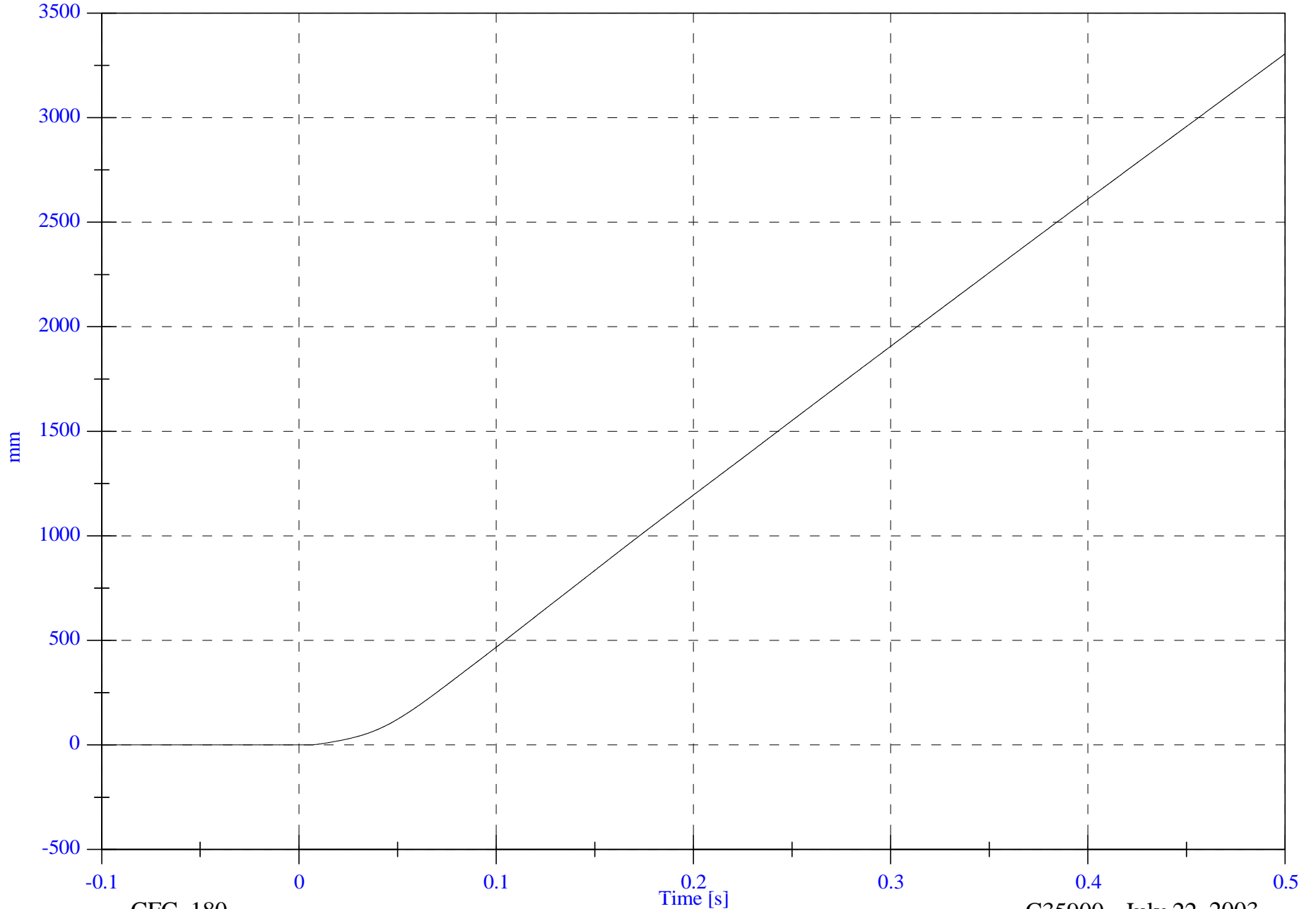
V2 Right X Member Red Ax Displacement

Max: 3304.5 [mm] at 0.500 [s]

Min: -0.0 [mm] at -0.010 [s]

B-102

8655-F301-10R



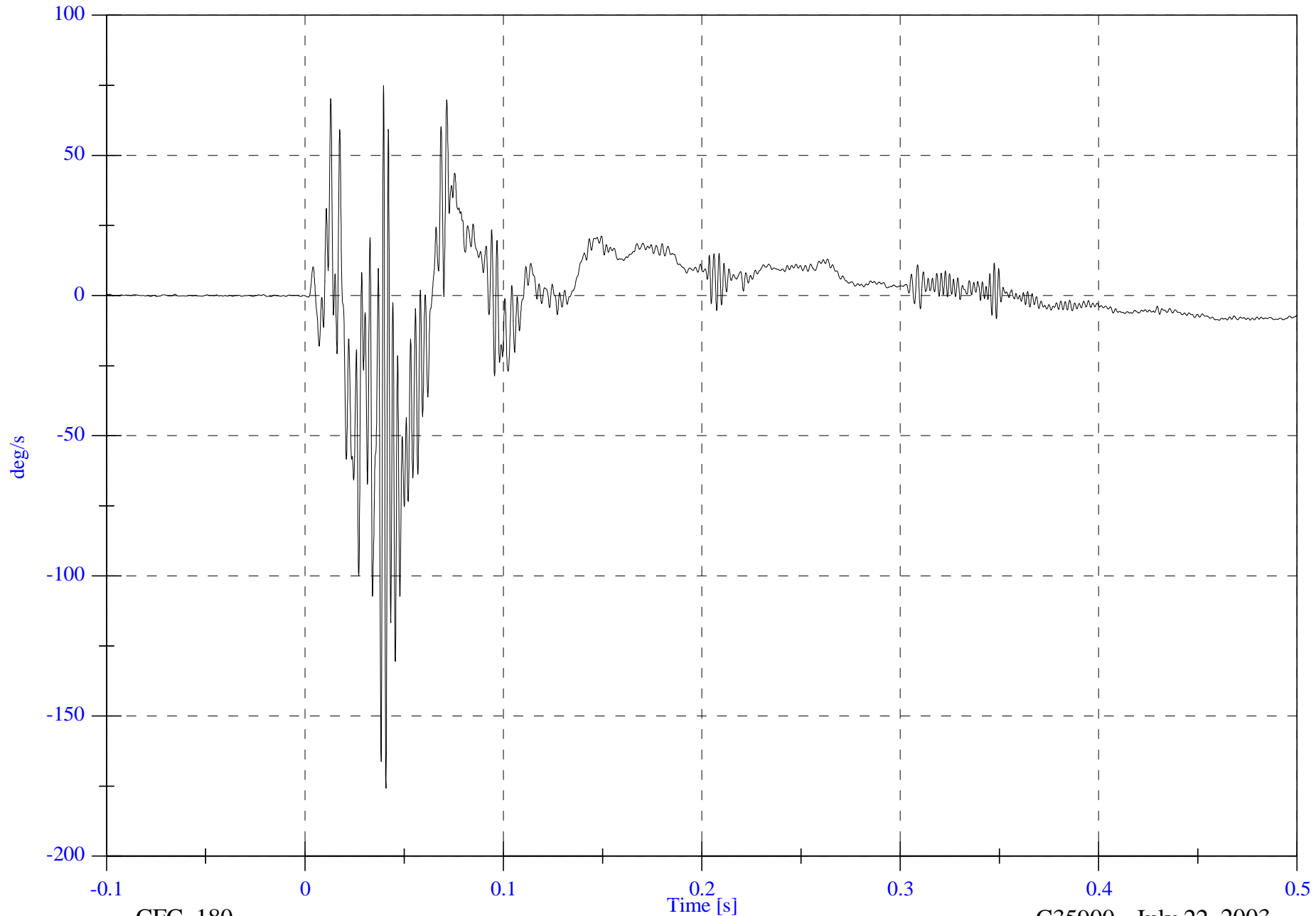
CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left Front AVy

Max: 74.9 [deg/s] at 0.040 [s]
Min: -175.7 [deg/s] at 0.041 [s]



B-103

8655-F301-10R

CFC_180

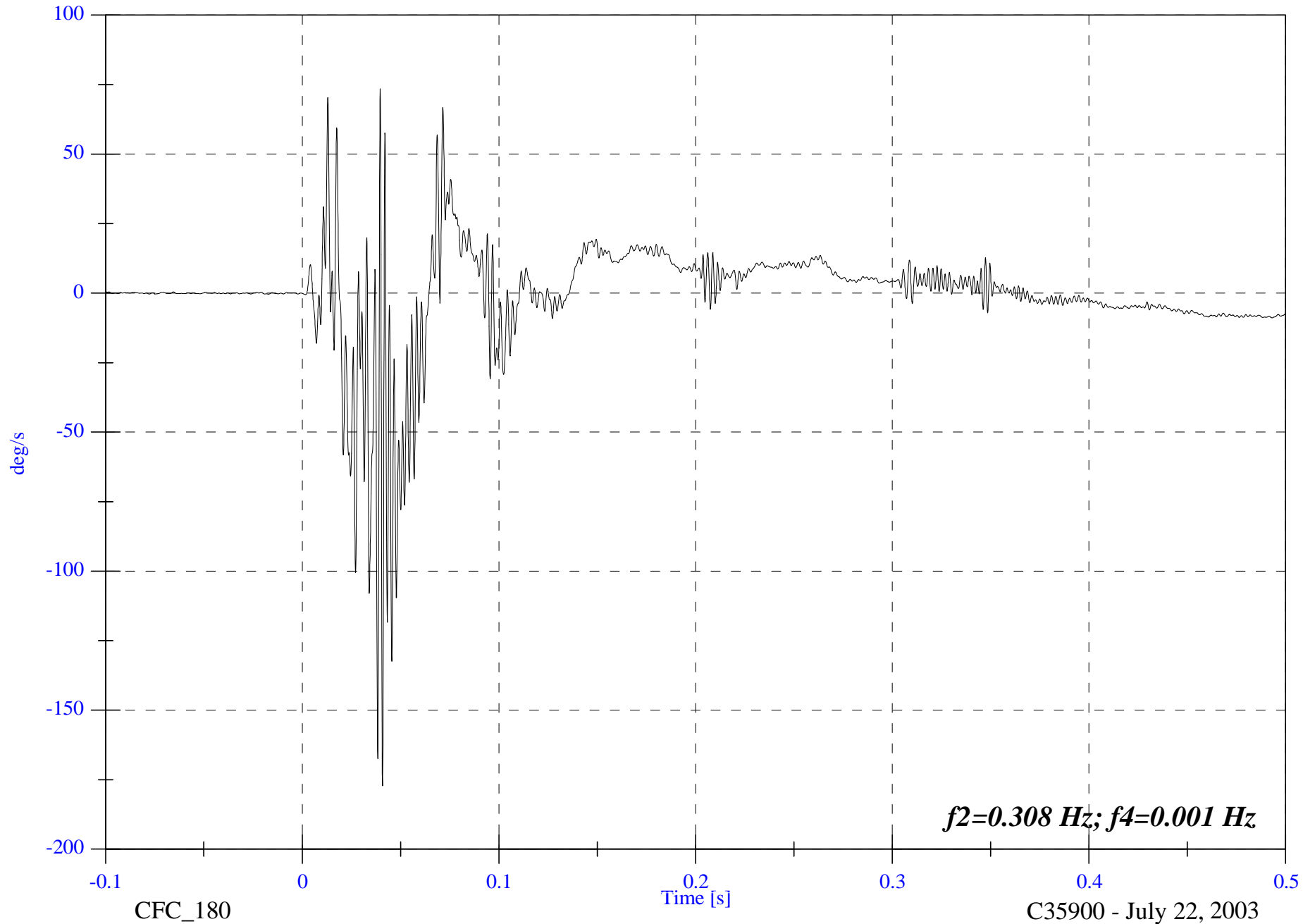
Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left Front Sill Comp AVy

Max: 73.5 [deg/s] at 0.040 [s]
Min: -177.2 [deg/s] at 0.041 [s]



f2=0.308 Hz; f4=0.001 Hz

B-104

8655-F301-10R

CFC_180

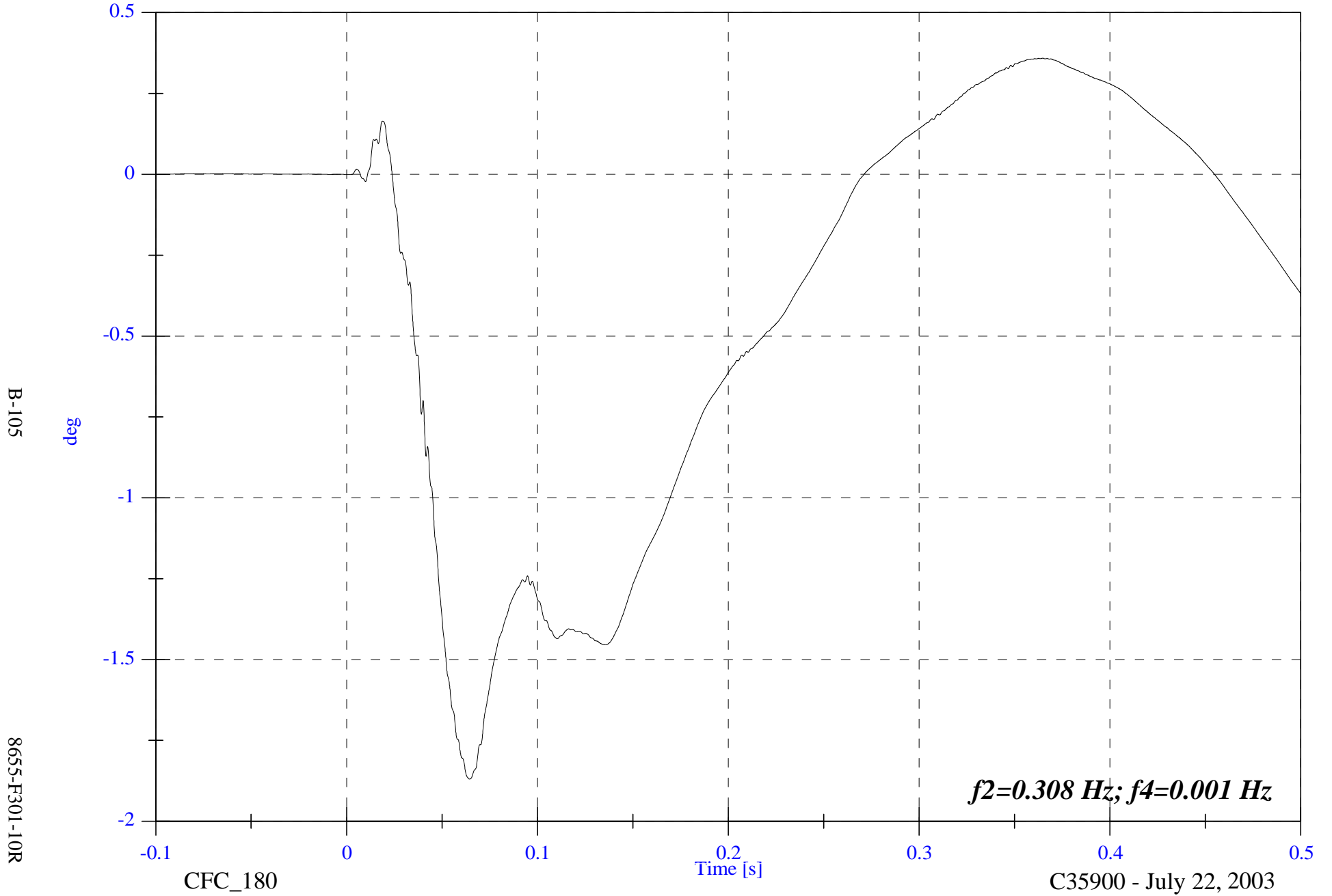
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2 Left Front Sill Comp ADy

Max: 0.4 [deg] at 0.365 [s]

Min: -1.9 [deg] at 0.064 [s]



CFC_180

C35900 - July 22, 2003

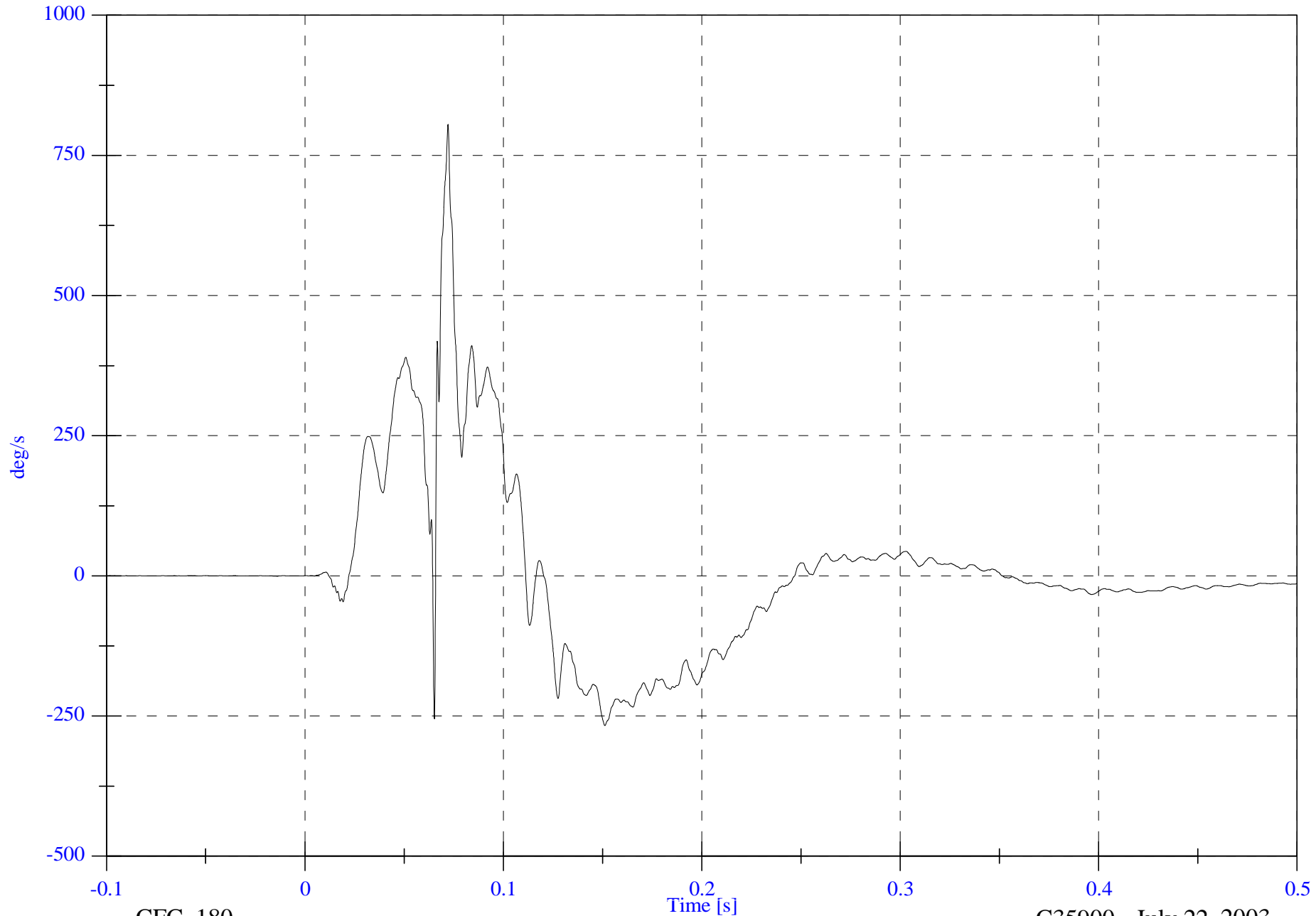
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Left Seat AVy

Max: 805.7 [deg/s] at 0.072 [s]
Min: -267.0 [deg/s] at 0.151 [s]

B-106

8655-F301-10R



CFC_180

C35900 - July 22, 2003

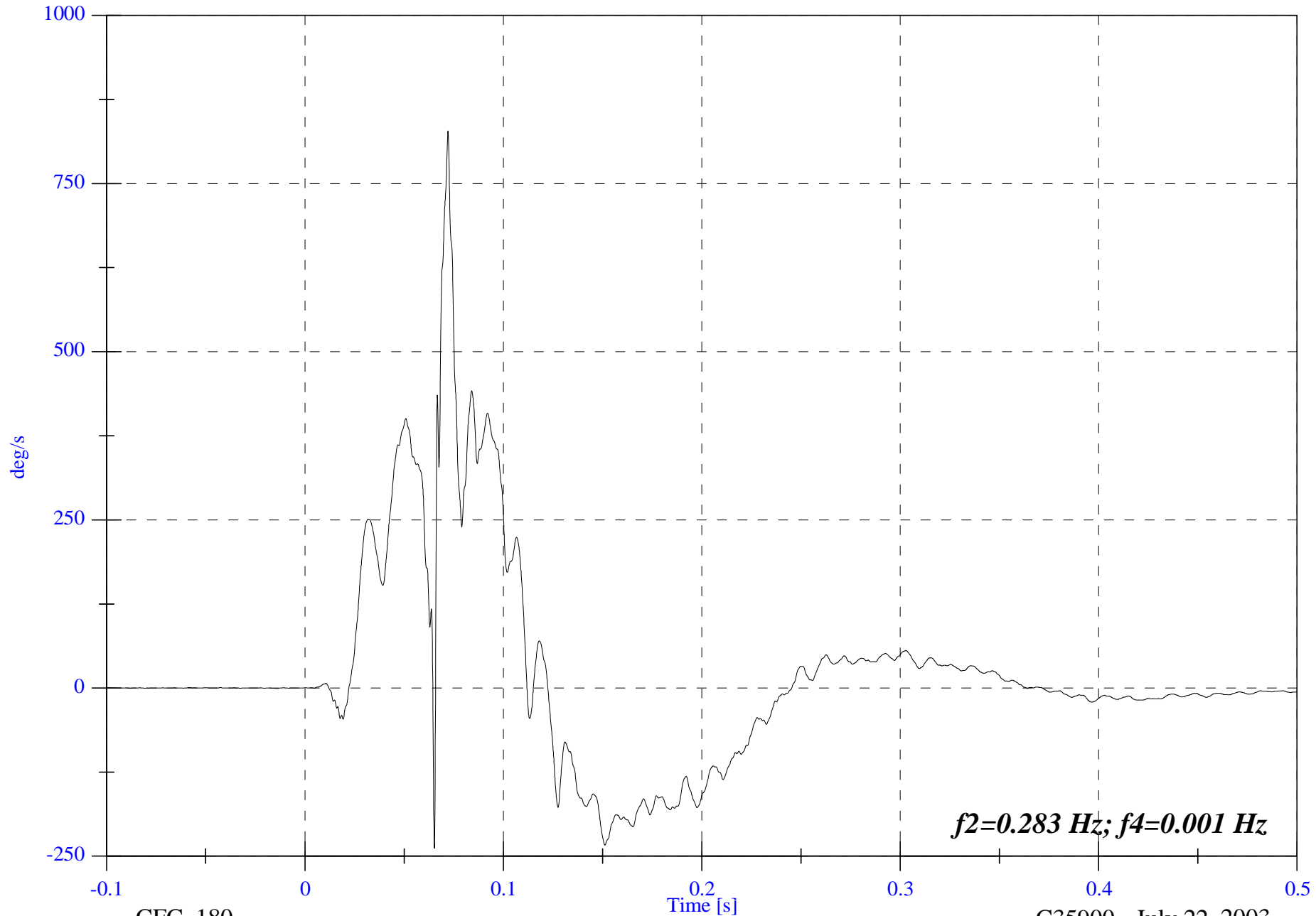
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Left Seat Comp AVy

Max: 828.2 [deg/s] at 0.072 [s]
Min: -238.4 [deg/s] at 0.065 [s]

B-107

8655-F301-10R



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

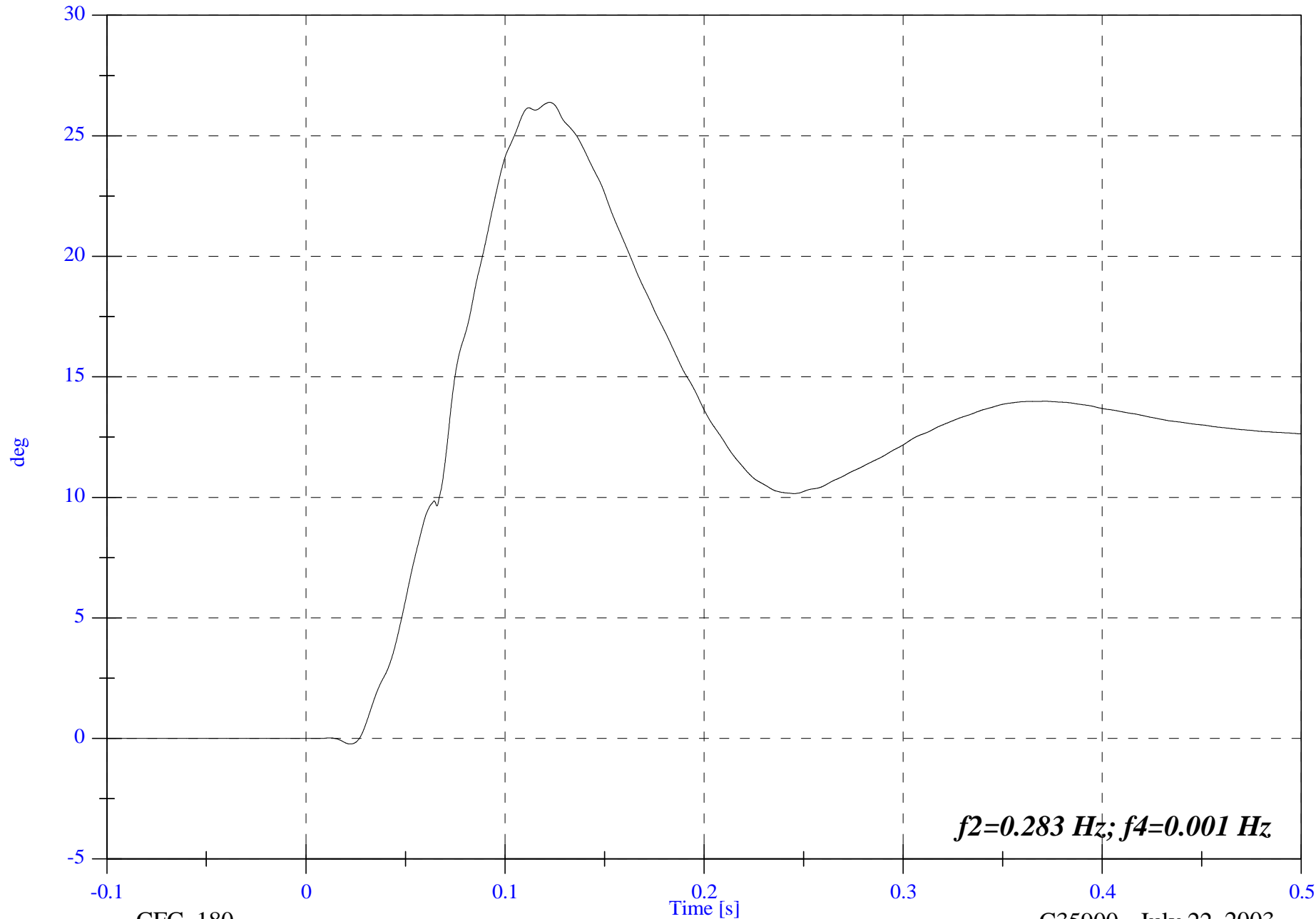
V2P1 Left Seat Comp ADy

Max: 26.4 [deg] at 0.122 [s]

Min: -0.2 [deg] at 0.022 [s]

B-108

8655-F301-10R



f2=0.283 Hz; f4=0.001 Hz

CFC_180

C35900 - July 22, 2003

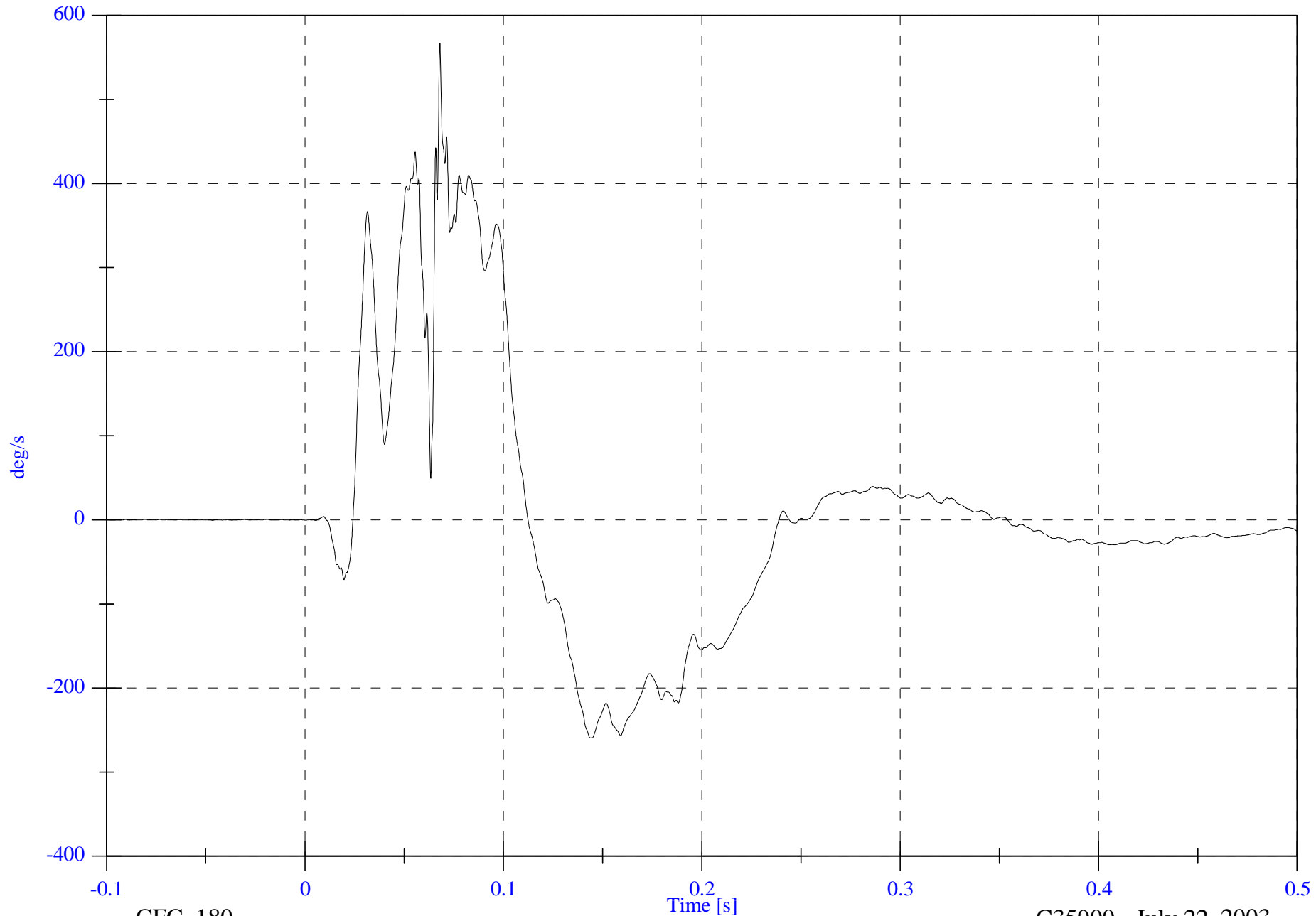
FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Right Seat AVy

Max: 567.3 [deg/s] at 0.068 [s]
Min: -259.4 [deg/s] at 0.145 [s]

B-109

8655-F301-10R



CFC_180

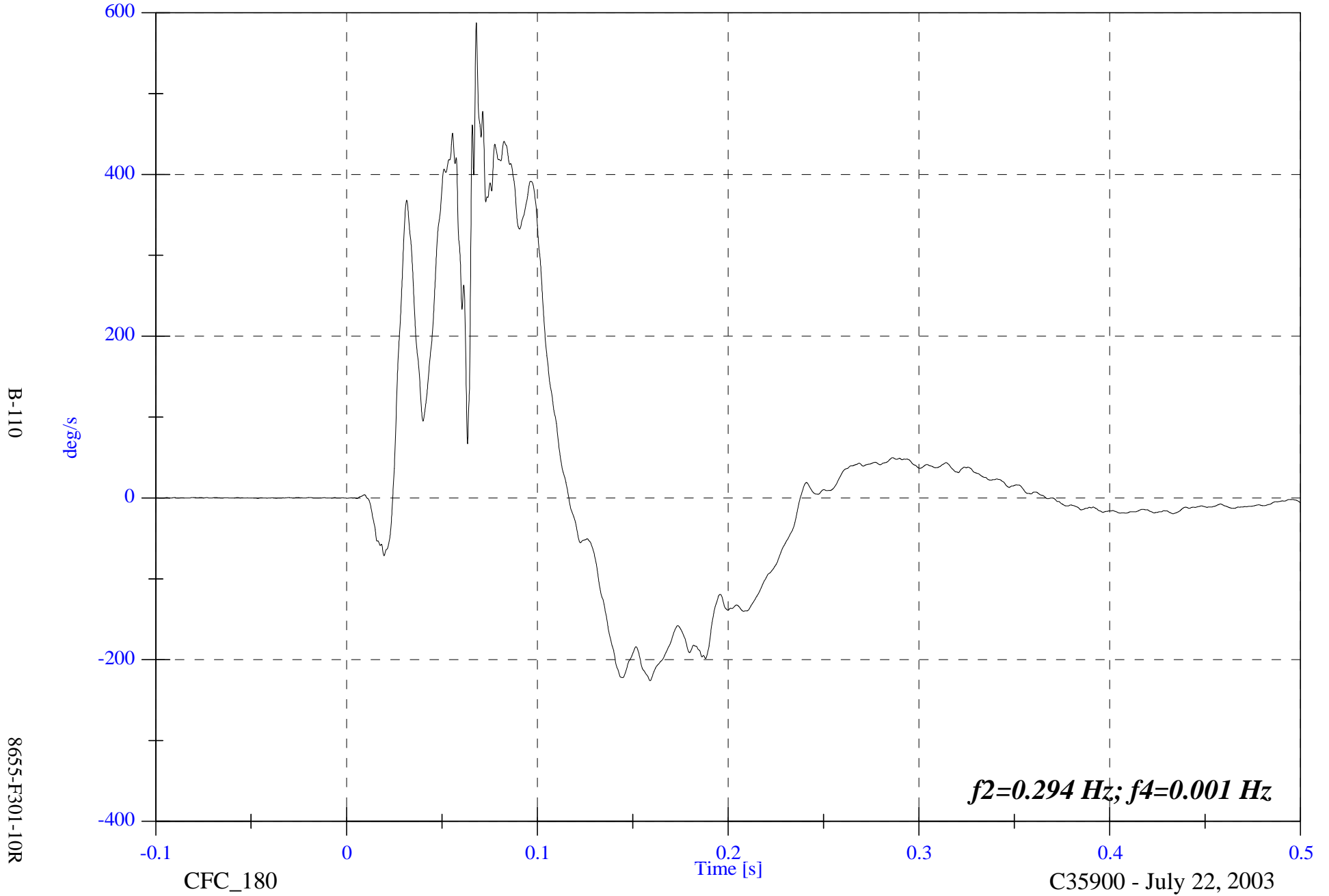
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Right Seat Comp AVy

Max: 587.5 [deg/s] at 0.068 [s]

Min: -226.0 [deg/s] at 0.159 [s]



B-110

8655-F301-10R

CFC_180

Time [s]

$f_2=0.294$ Hz; $f_4=0.001$ Hz

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

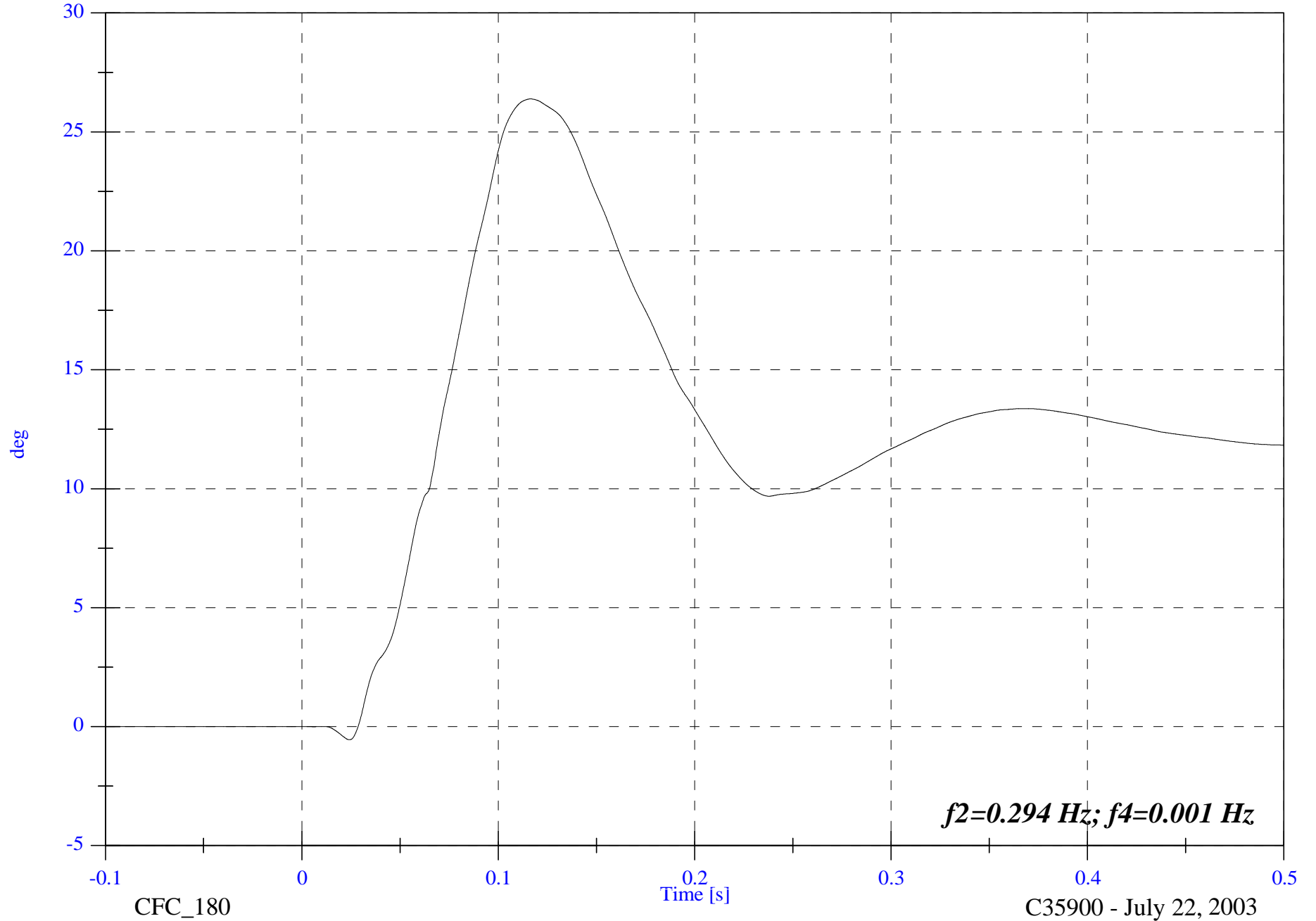
V2P1 Right Seat Comp ADy

Max: 26.4 [deg] at 0.116 [s]

Min: -0.6 [deg] at 0.024 [s]

B-111

8655-F301-10R



CFC_180

C35900 - July 22, 2003

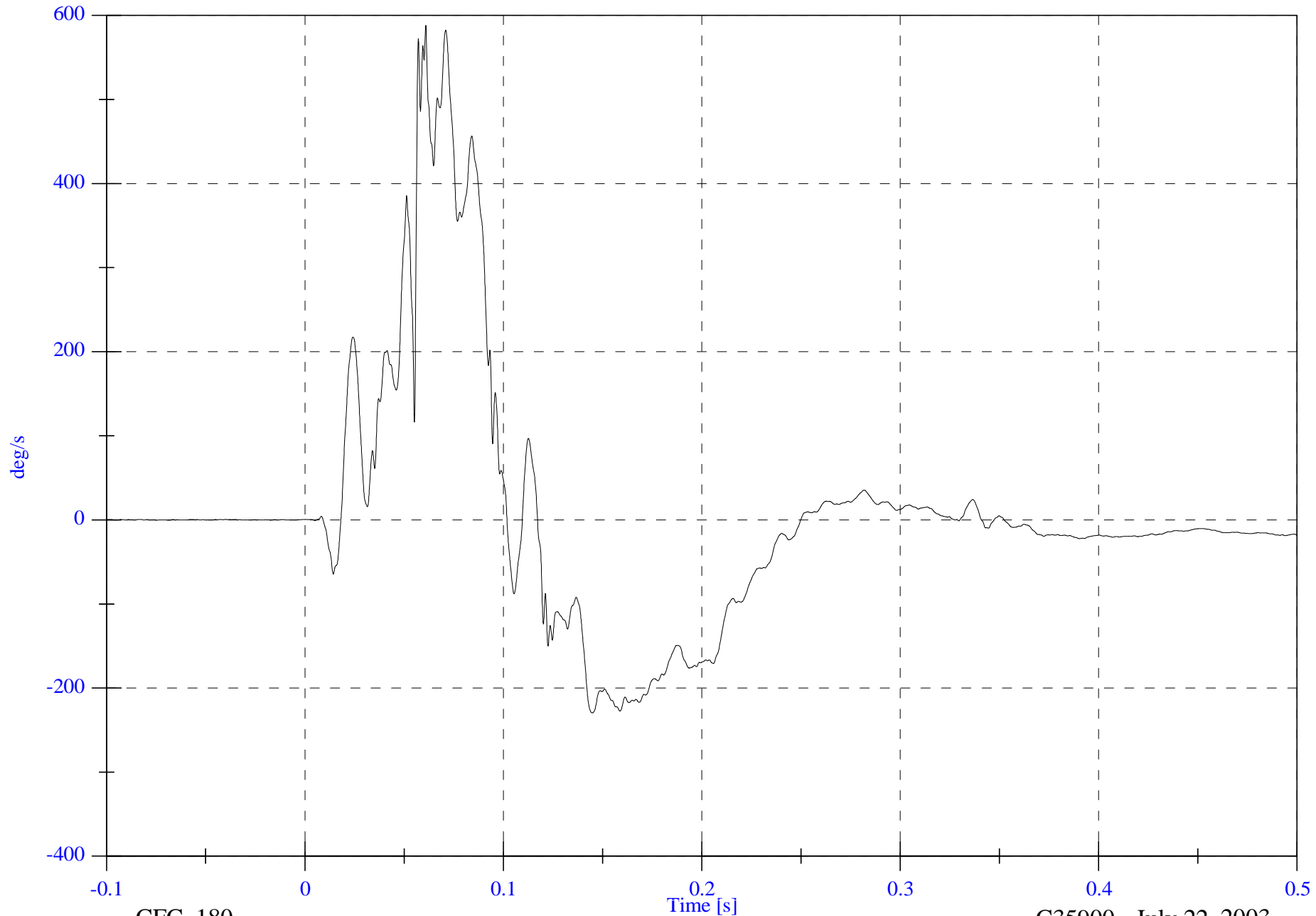
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Left Seat AVy

Max: 588.2 [deg/s] at 0.061 [s]
Min: -229.6 [deg/s] at 0.145 [s]

B-112

8655-F301-10R



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

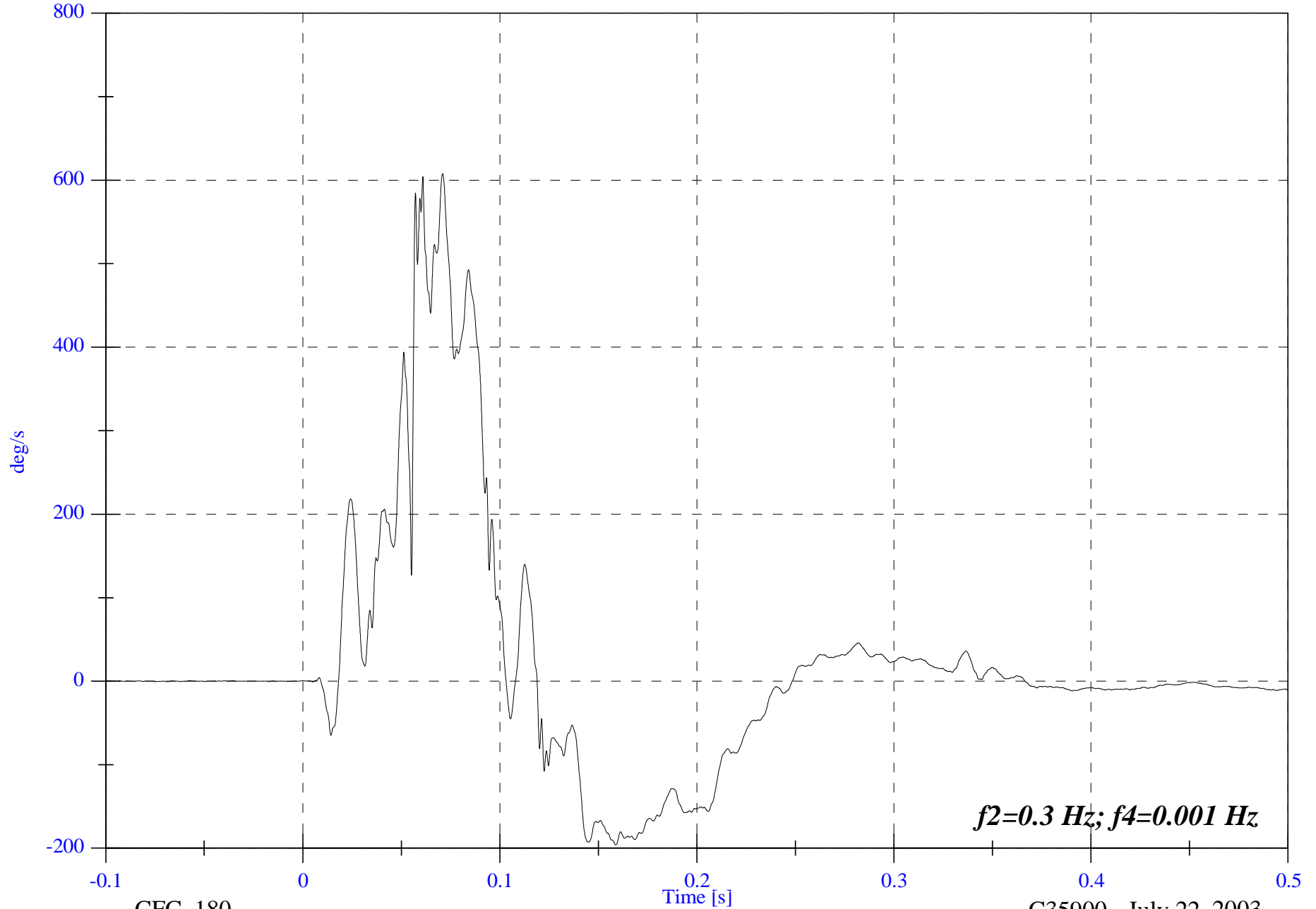
V2P2 Left Seat Comp AVy

Max: 607.8 [deg/s] at 0.071 [s]

Min: -196.1 [deg/s] at 0.159 [s]

B-113

8655-F301-10R



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

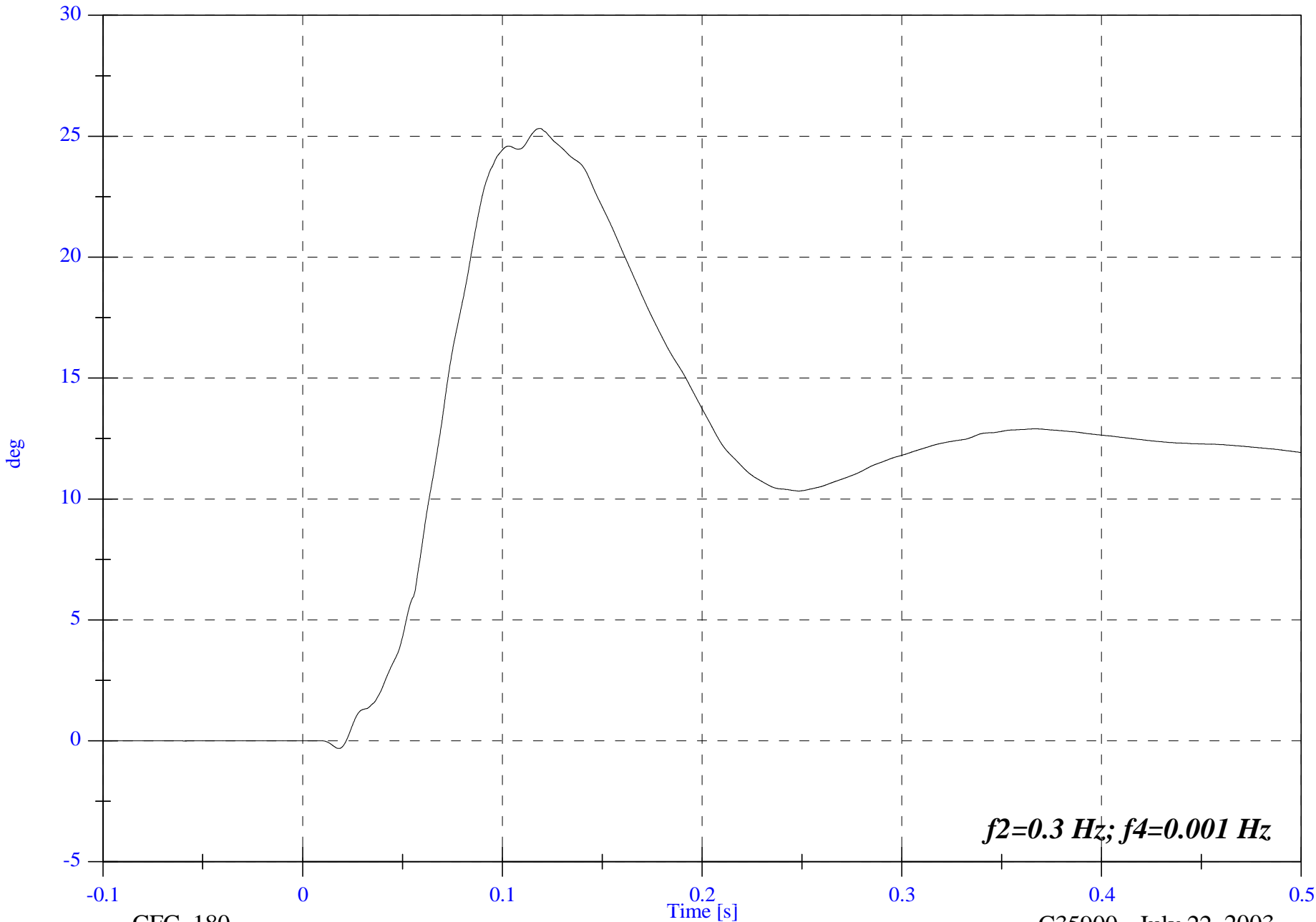
V2P2 Left Seat Comp ADy

Max: 25.3 [deg] at 0.119 [s]

Min: -0.3 [deg] at 0.018 [s]

B-114

8655-F301-10R



CFC_180

Time [s]

C35900 - July 22, 2003

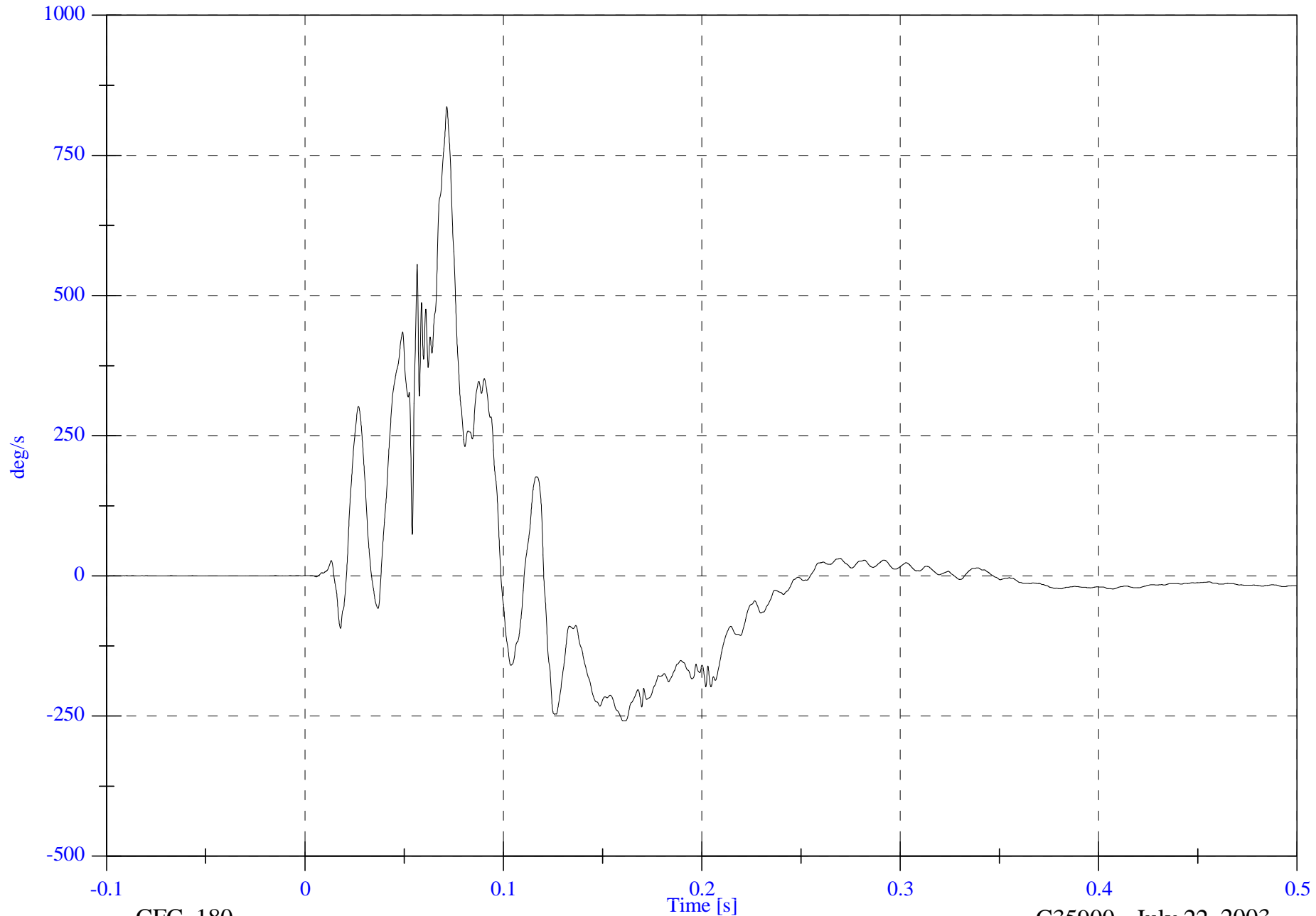
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Right Seat AVy

Max: 837.1 [deg/s] at 0.072 [s]
Min: -258.7 [deg/s] at 0.160 [s]

B-115

8655-F301-10R



CFC_180

C35900 - July 22, 2003

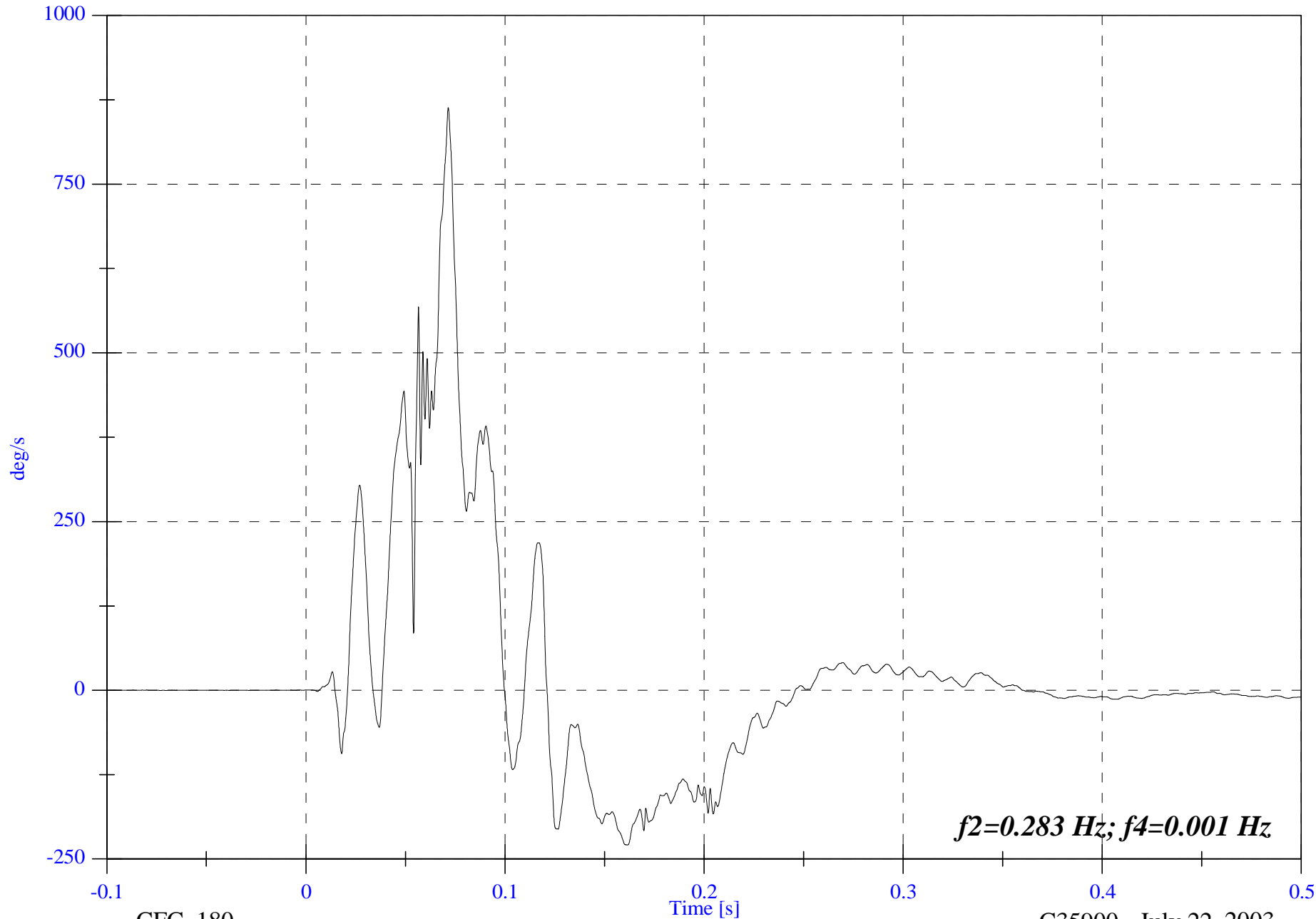
FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Right Seat Comp AVy

Max: 863.4 [deg/s] at 0.072 [s]
Min: -229.3 [deg/s] at 0.162 [s]

B-116

8655-F301-10R



CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Right Seat Comp ADy

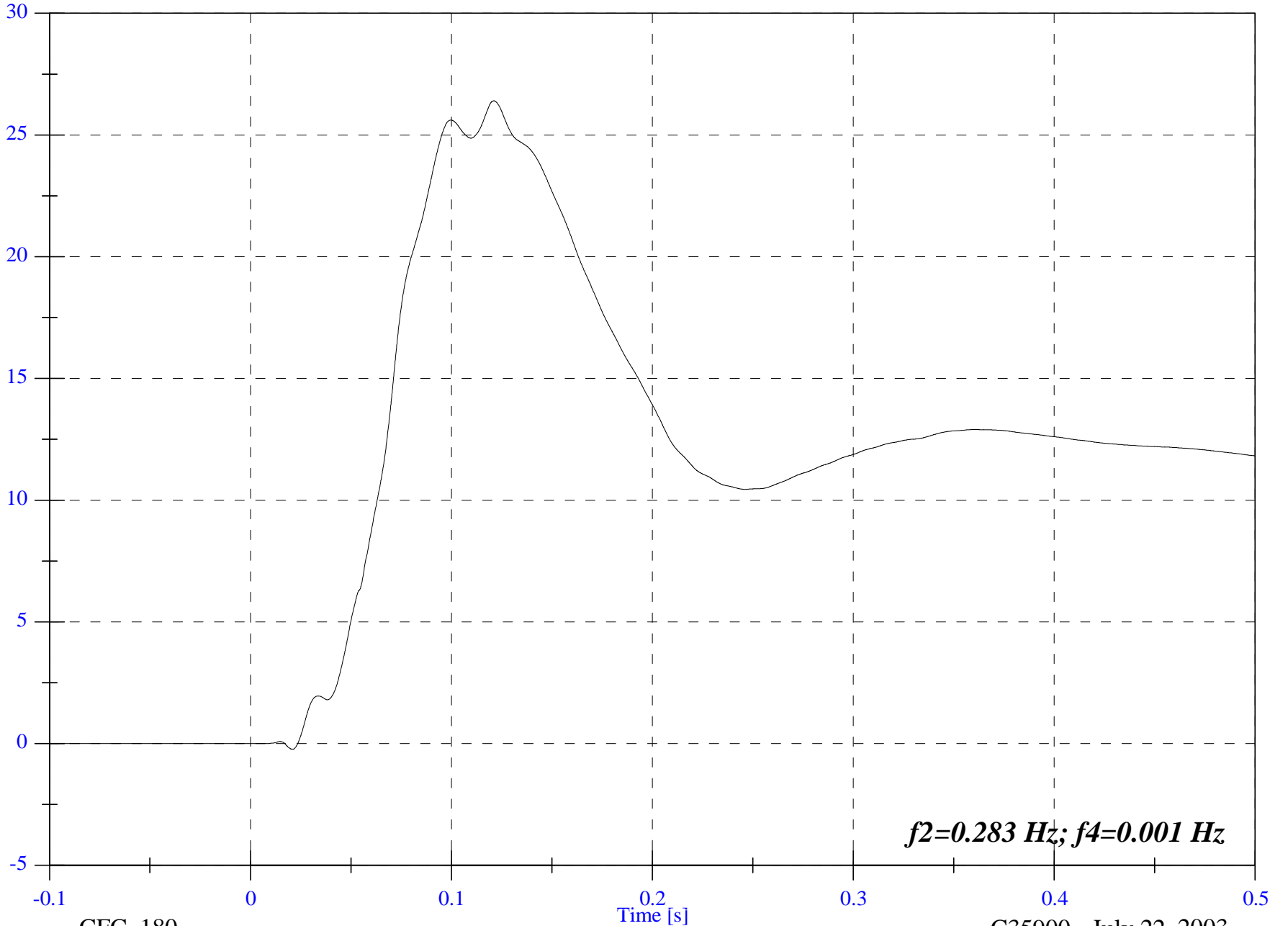
Max: 26.4 [deg] at 0.121 [s]

Min: -0.2 [deg] at 0.021 [s]

B-117

gap

8655-F301-10R



$f_2=0.283$ Hz; $f_4=0.001$ Hz

CFC_180

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

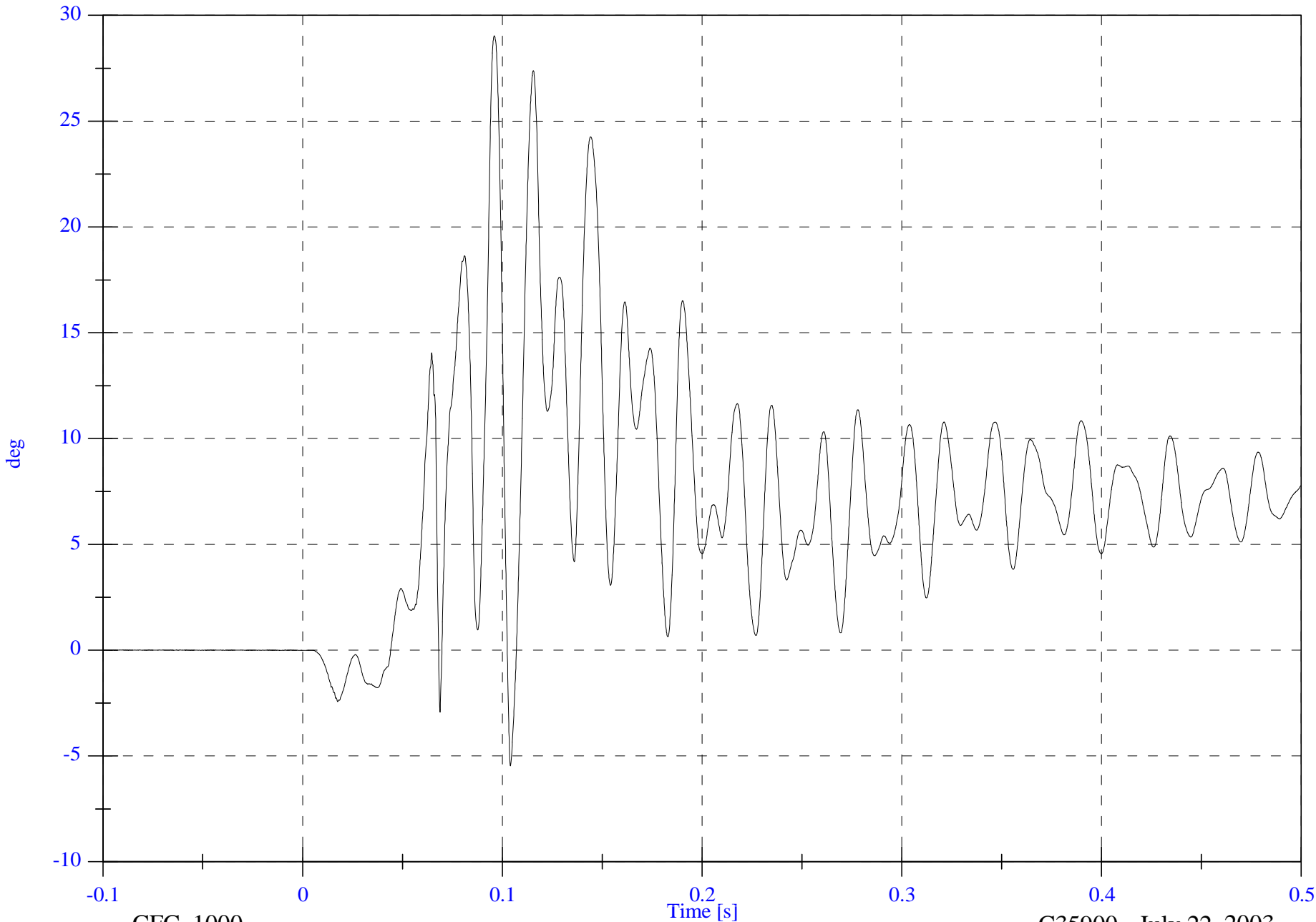
V2P1 Left Link ADy

Max: 29.0 [deg] at 0.096 [s]

Min: -5.5 [deg] at 0.104 [s]

B-118

8655-F301-10R



CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Right Link ADy

Max: 14.8 [deg] at 0.113 [s]

Min: -2.8 [deg] at 0.038 [s]

B-119

8655-F301-10R



CFC_1000

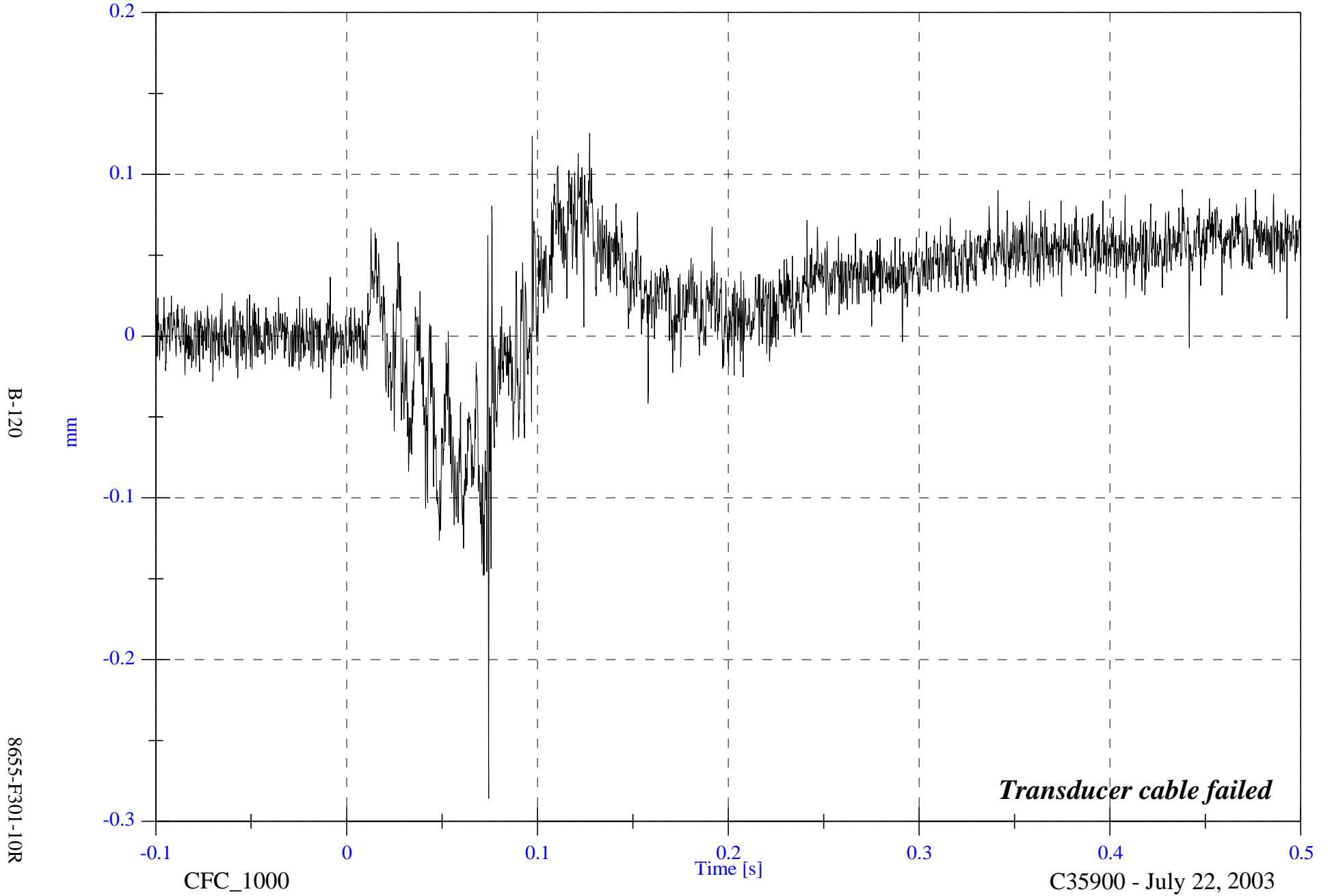
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P1 Left Span Bar D

Max: 0.1 [mm] at 0.127 [s]

Min: -0.3 [mm] at 0.074 [s]



FMVSS 301 Test 1 - 2003 Volvo V70

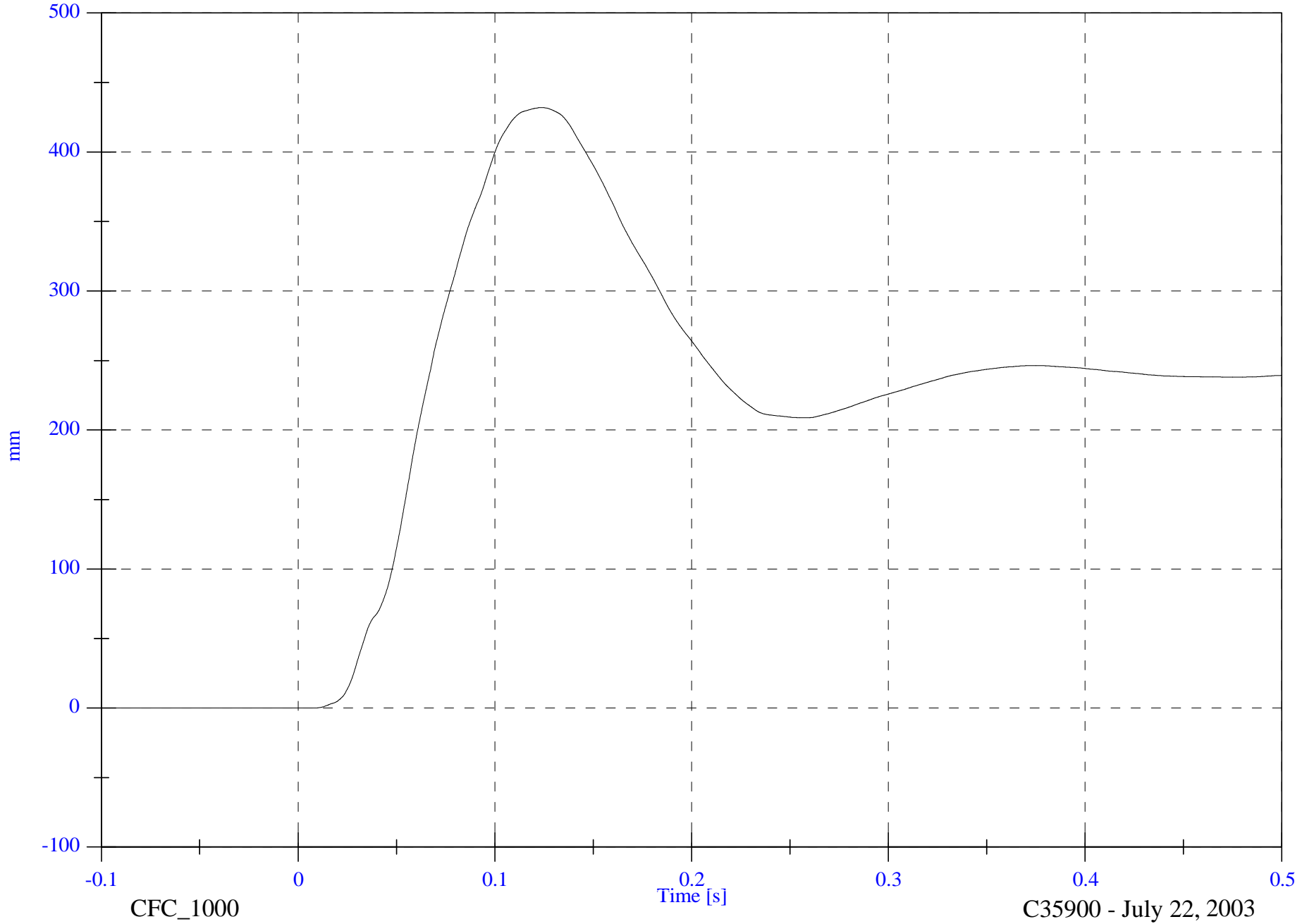
V2P1 Right Span Bar D

Max: 432.1 [mm] at 0.124 [s]

Min: -0.0 [mm] at -0.070 [s]

B-121

8655-F301-10R

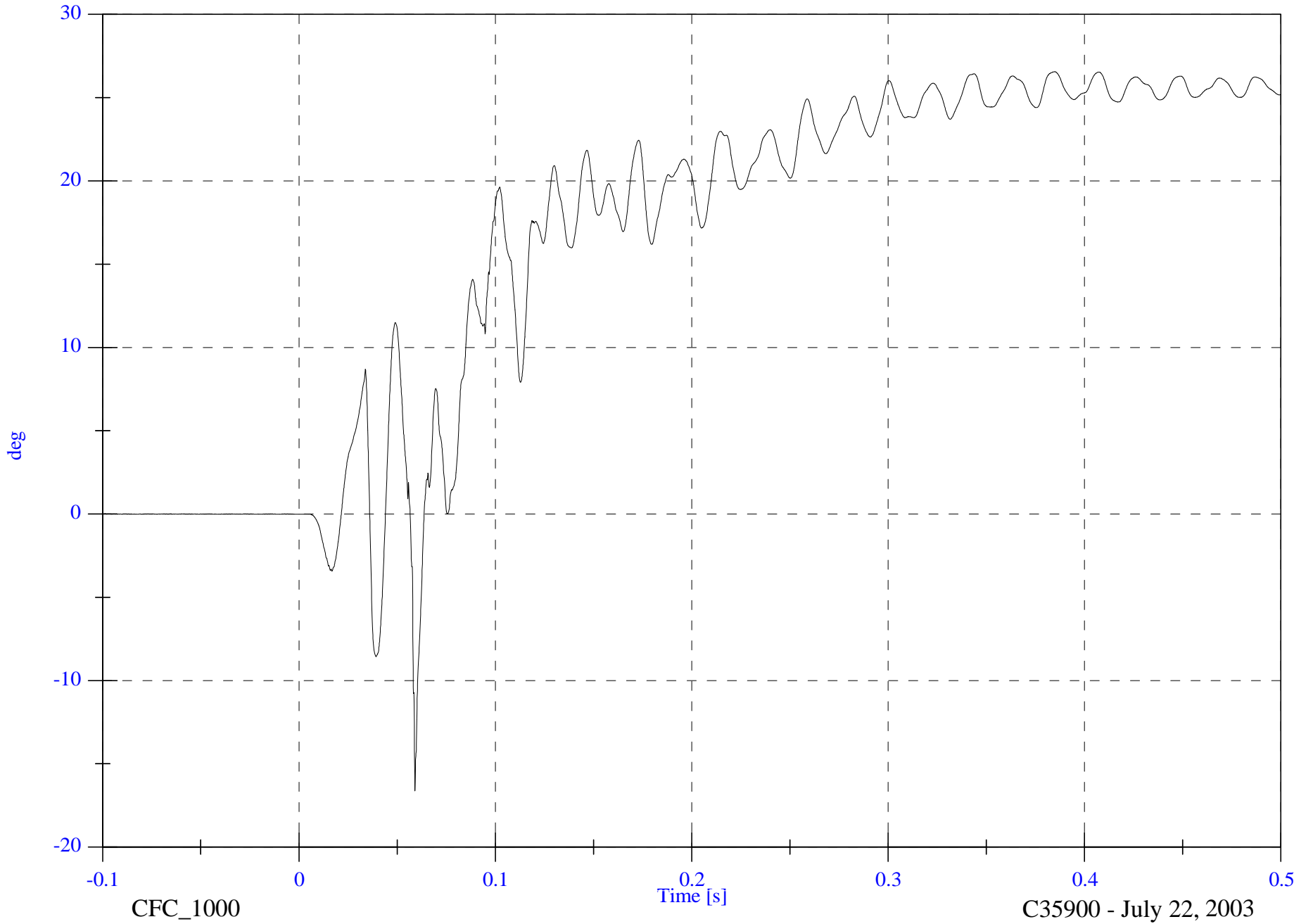


FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Left Link ADy

Max: 26.6 [deg] at 0.385 [s]

Min: -16.6 [deg] at 0.059 [s]



B-122

8655-F301-10R

CFC_1000

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

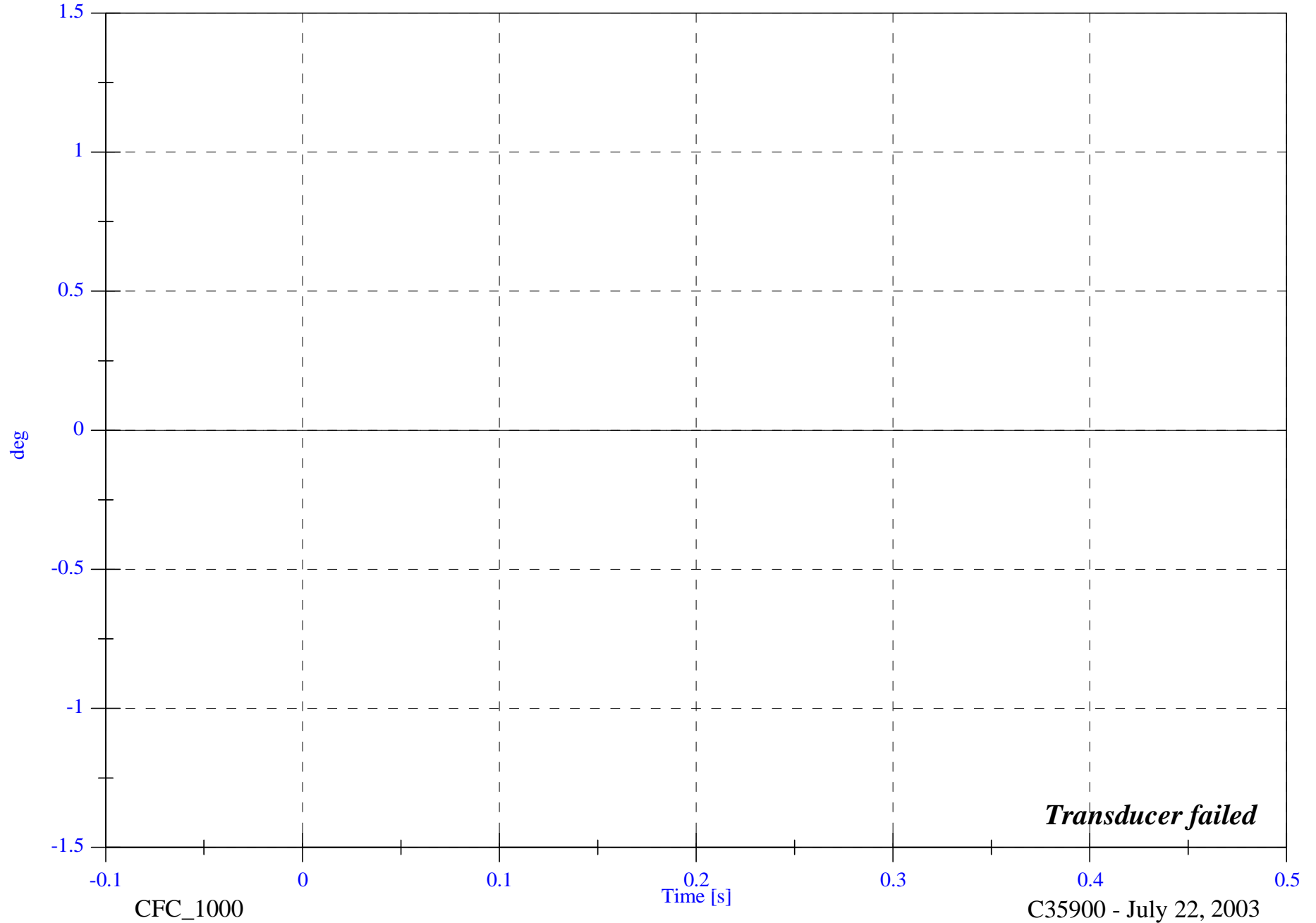
V2P2 Right Link ADy

Max: 0.0 [deg] at -0.100 [s]

Min: 0.0 [deg] at -0.100 [s]

B-123

8655-F301-10R



FMVSS 301 Test 1 - 2003 Volvo V70

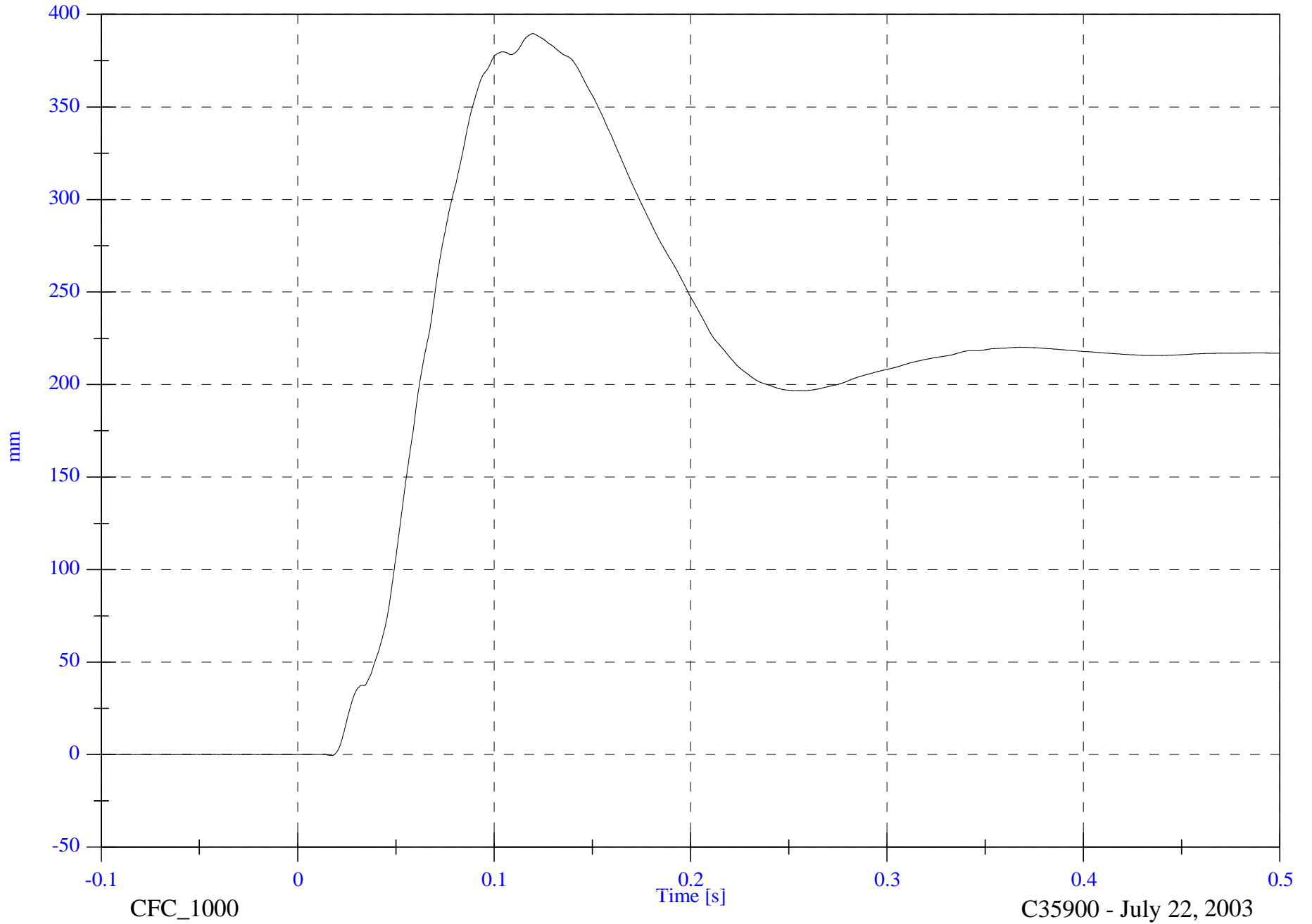
V2P2 Left Span Bar D

Max: 389.6 [mm] at 0.120 [s]

Min: -0.5 [mm] at 0.017 [s]

B-124

8655-F301-10R



CFC_1000

Time [s]

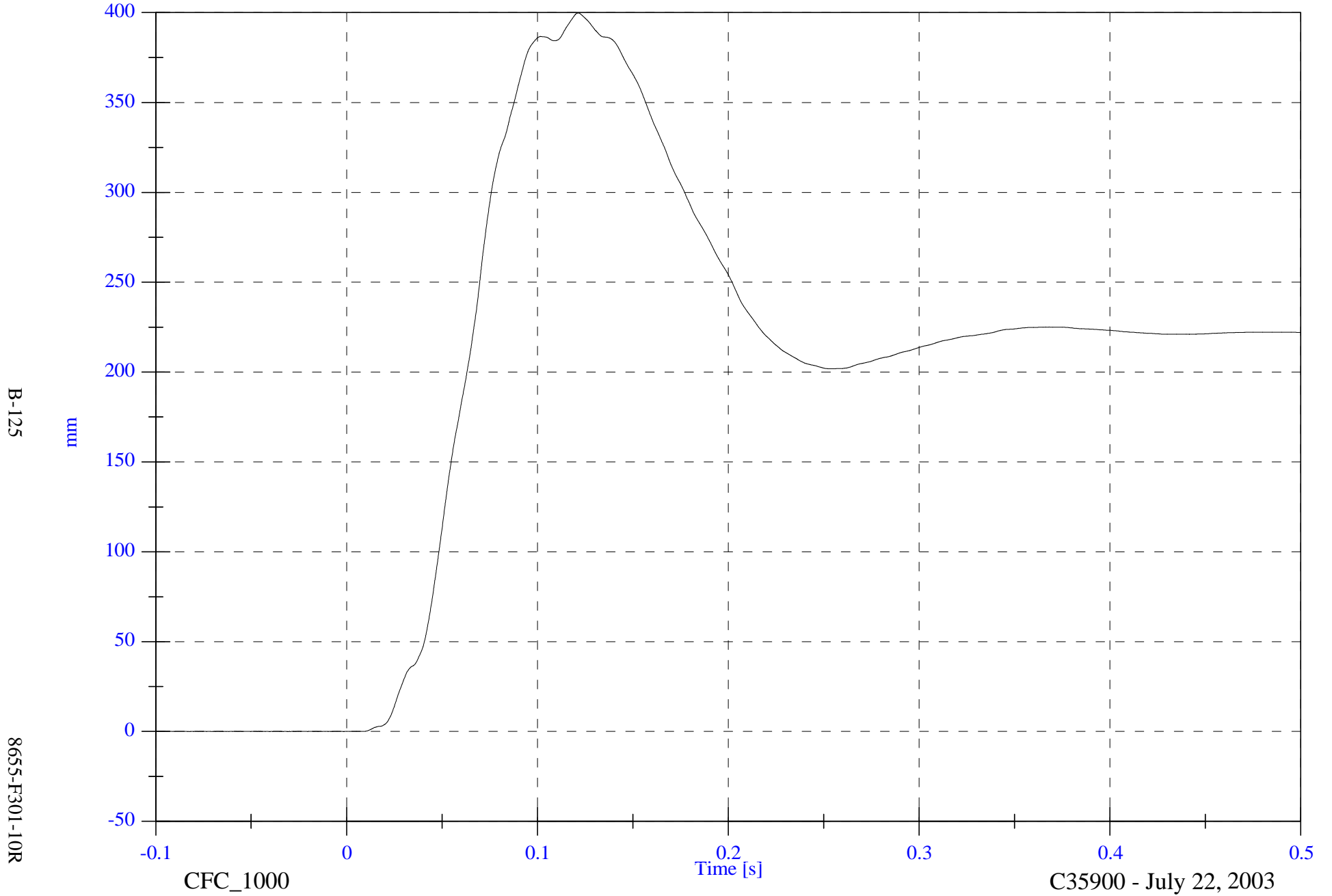
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

V2P2 Right Span Bar D

Max: 399.8 [mm] at 0.121 [s]

Min: -0.0 [mm] at -0.027 [s]



B-125

8655-F301-10R

CFC_1000

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

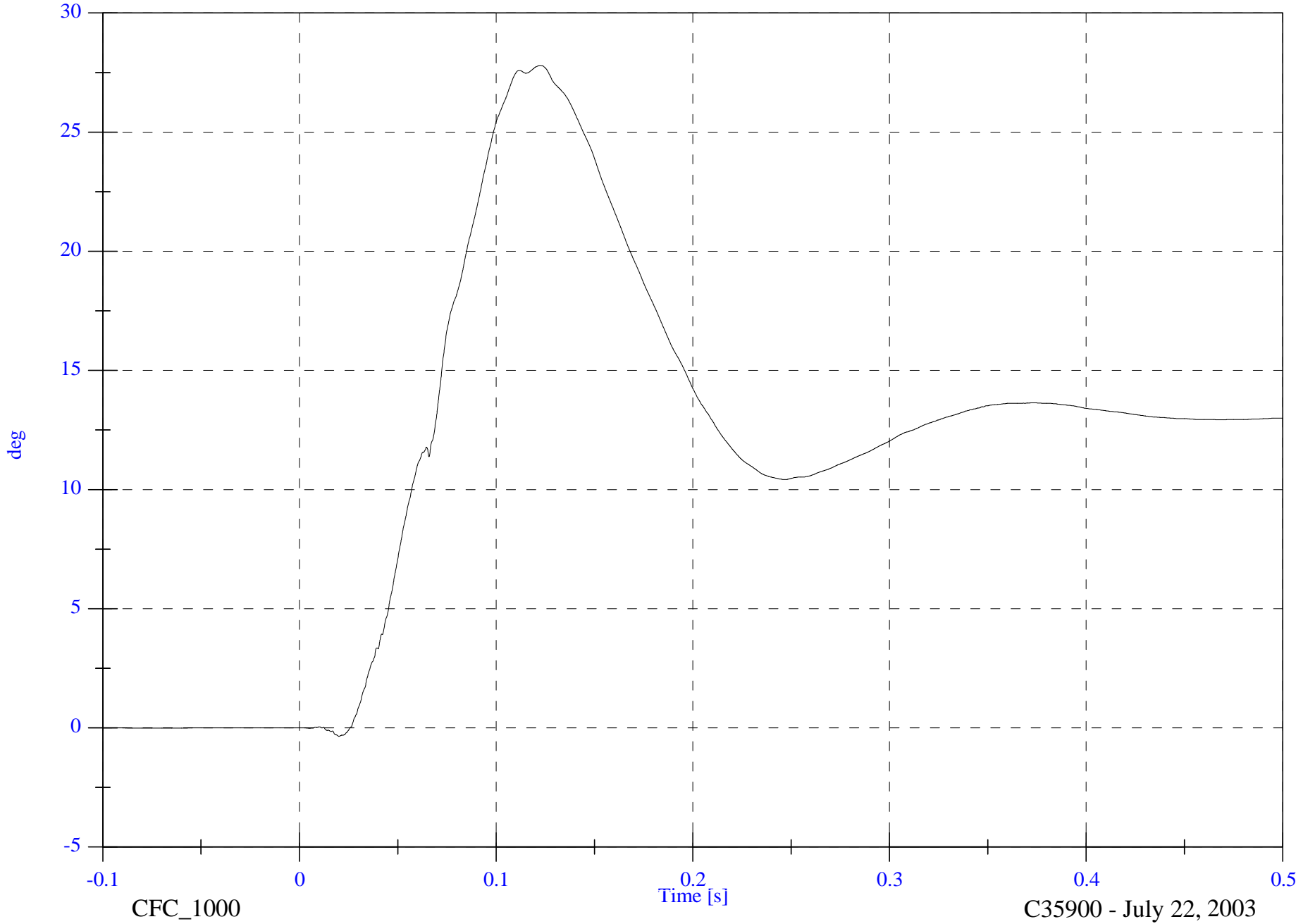
P1 Left Change in Seat Back Angle WRT Sill

Max: 27.8 [deg] at 0.122 [s]

Min: -0.4 [deg] at 0.020 [s]

B-126

8655-F301-10R



CFC_1000

Time [s]

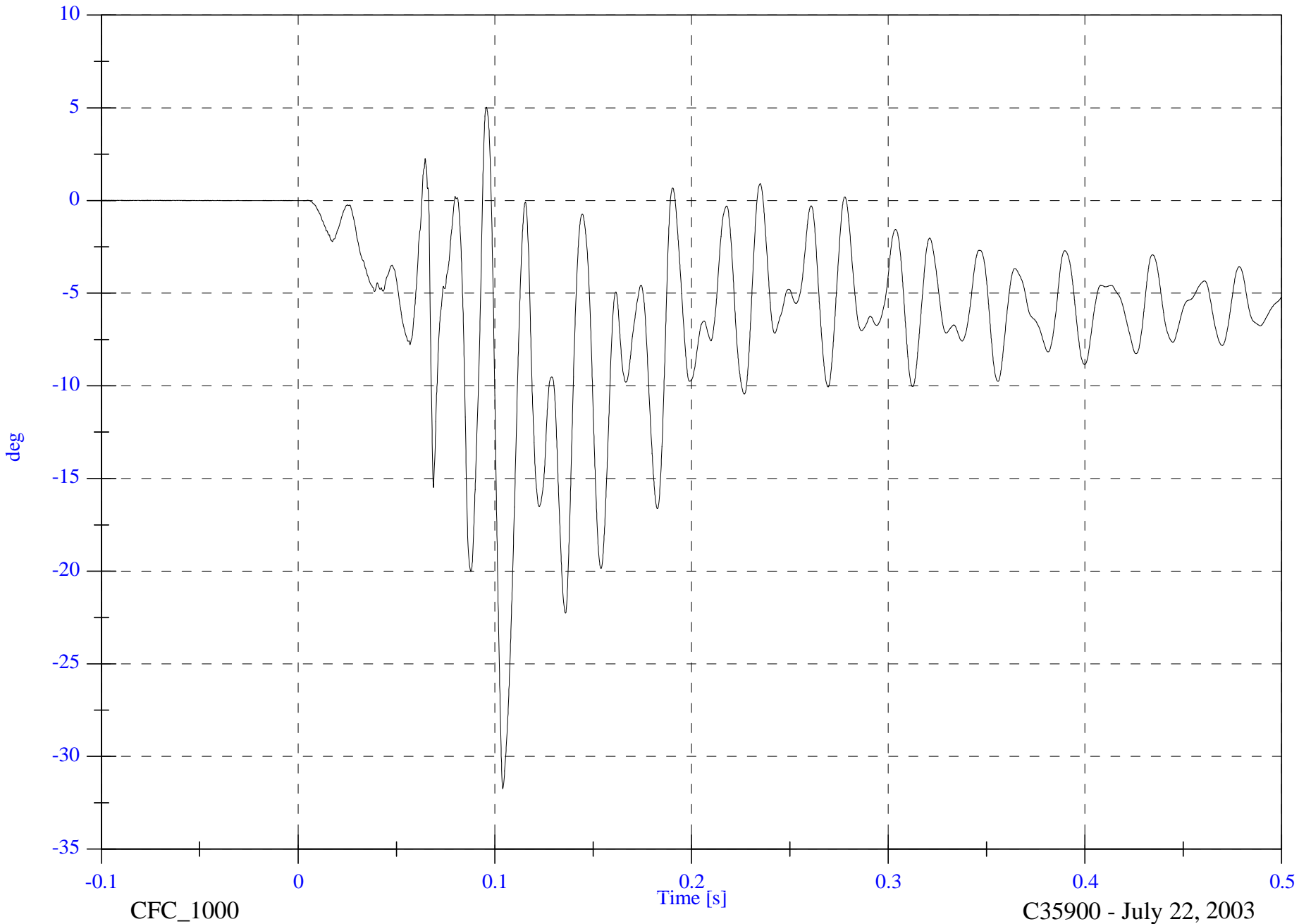
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

P1 Left Change in String Angle

Max: 5.0 [deg] at 0.096 [s]

Min: -31.7 [deg] at 0.104 [s]



B-127

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

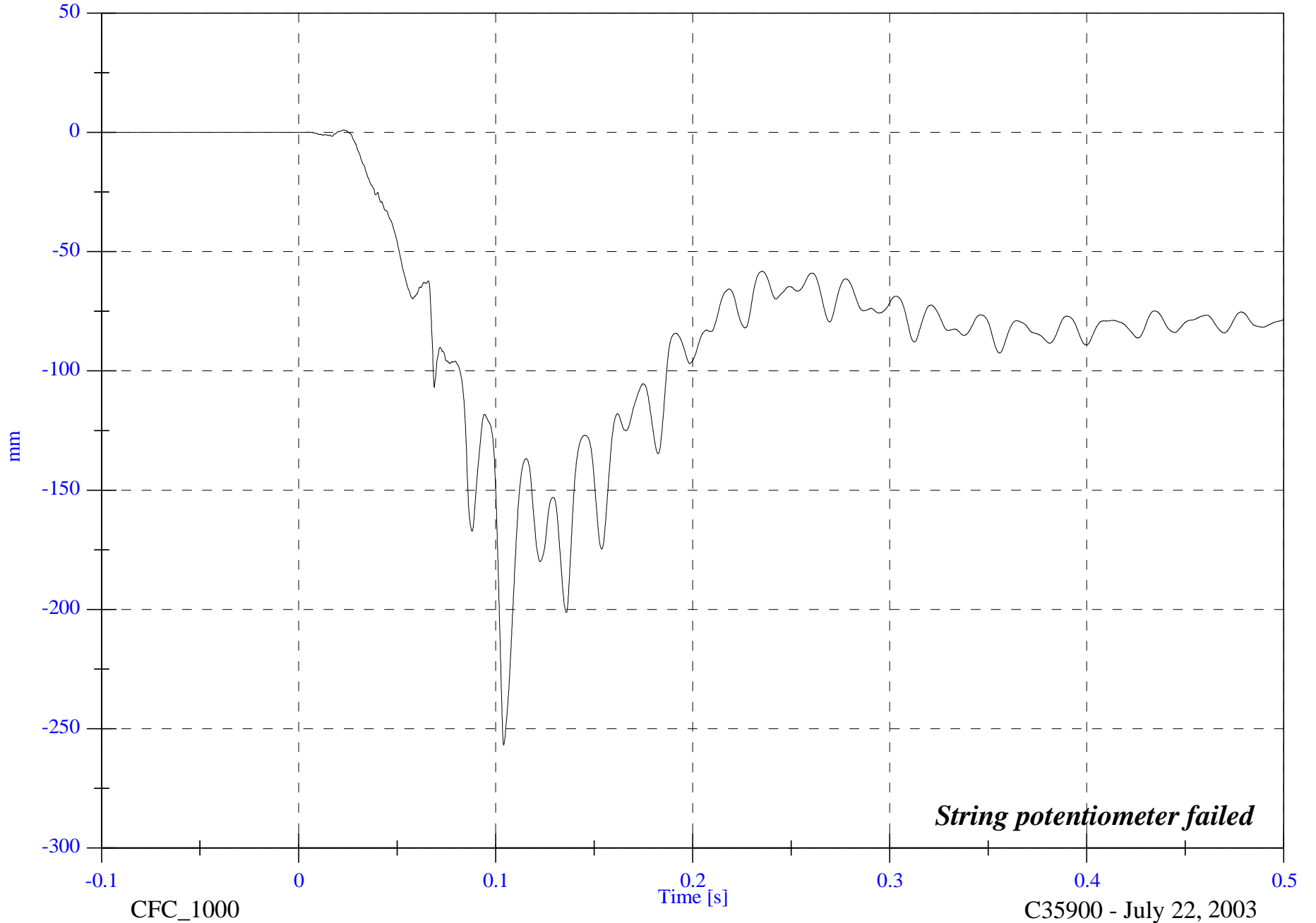
FMVSS 301 Test 1 - 2003 Volvo V70

P1 Left Seat X Displacement

Max: 1.0 [mm] at 0.023 [s]
Min: -256.9 [mm] at 0.104 [s]

B-128

8655-F301-10R



String potentiometer failed

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

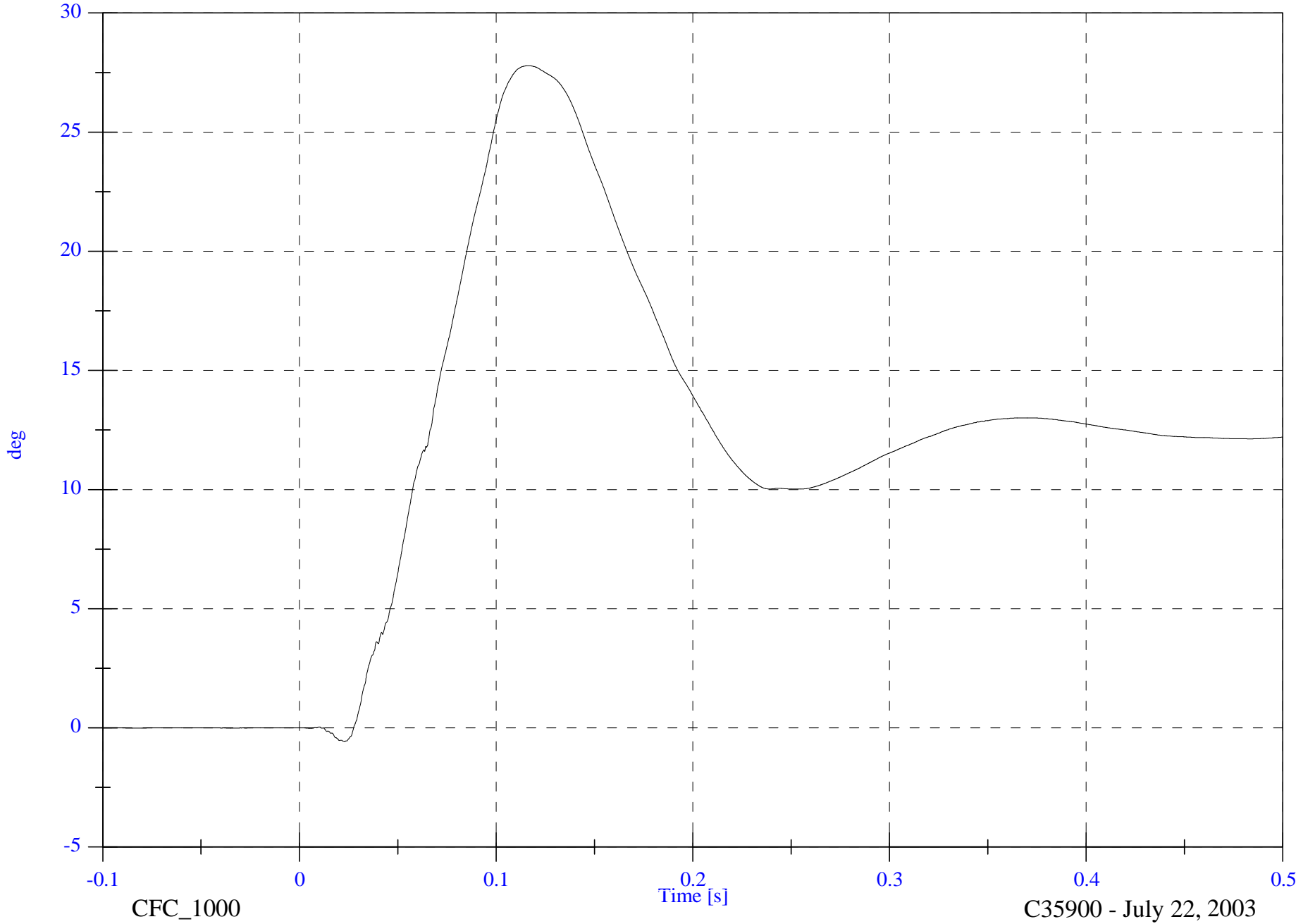
P1 Right Change in Seat Back Angle WRT Sill

Max: 27.8 [deg] at 0.117 [s]

Min: -0.6 [deg] at 0.023 [s]

B-129

8655-F301-10R



CFC_1000

Time [s]

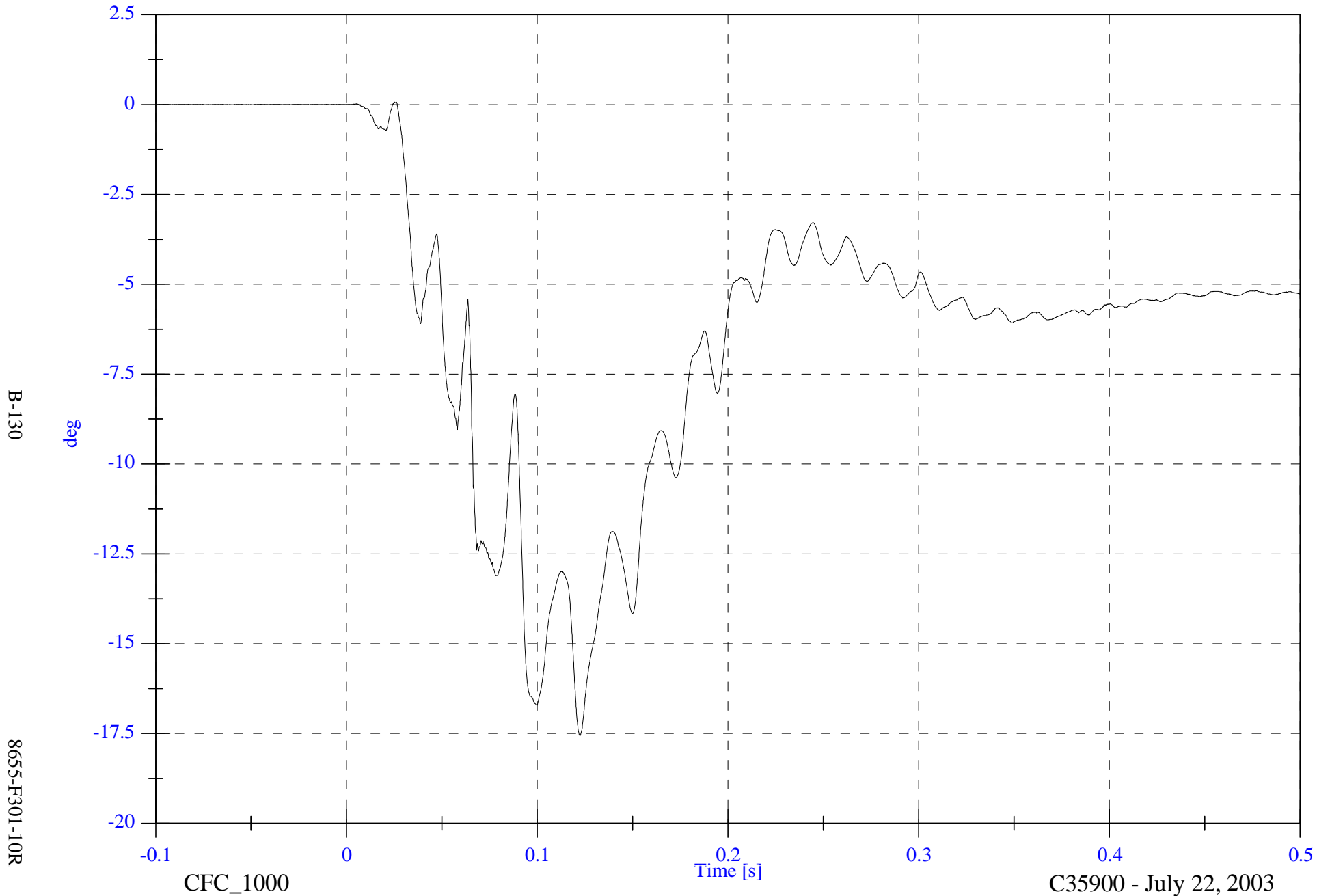
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

P1 Right Change in String Angle

Max: 0.1 [deg] at 0.026 [s]

Min: -17.6 [deg] at 0.123 [s]



B-130

8655-F301-10R

CFC_1000

Time [s]

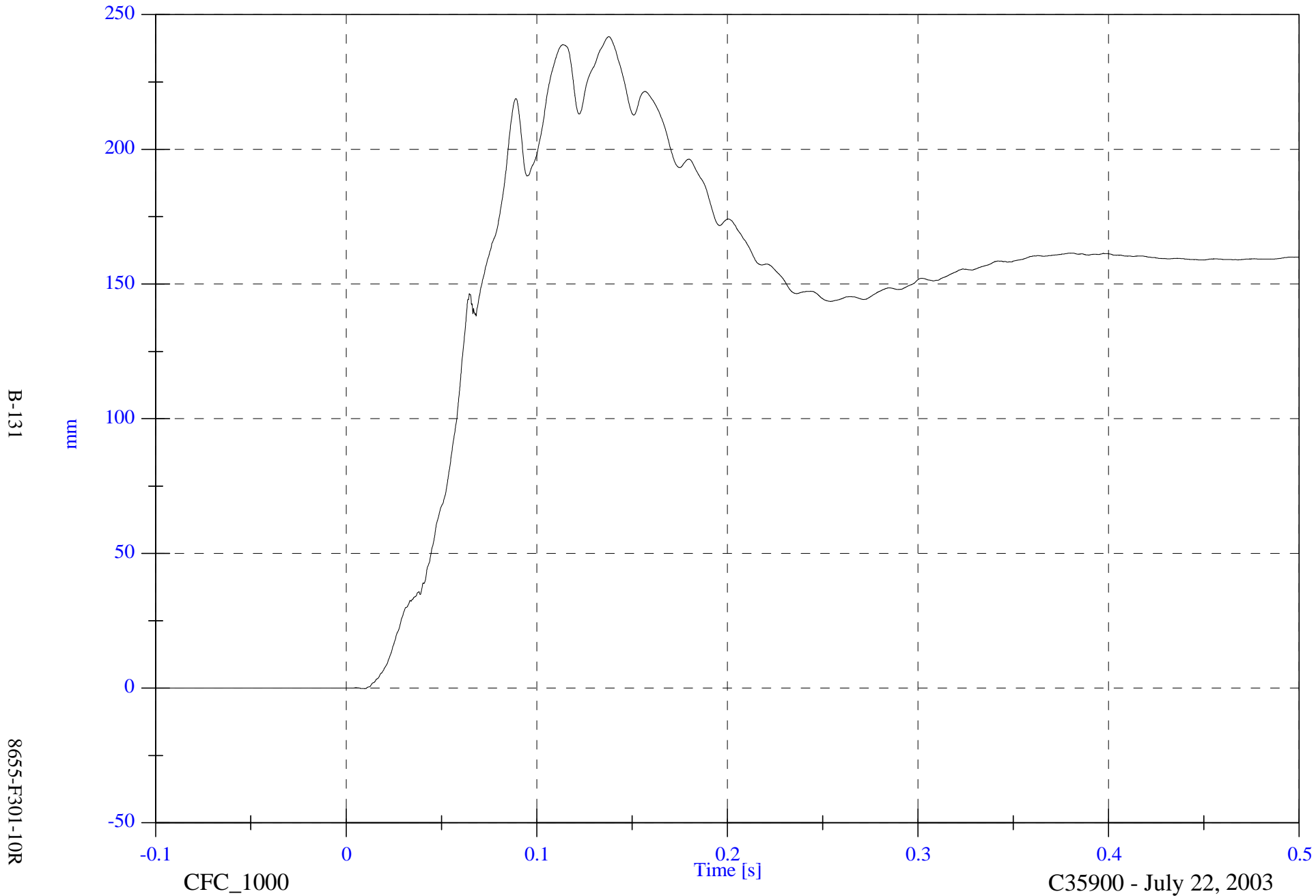
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

Max: 241.9 [mm] at 0.138 [s]

P1 Right Seat X Displacement

Min: -0.2 [mm] at 0.010 [s]



B-131

8655-F301-10R

CFC_1000

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

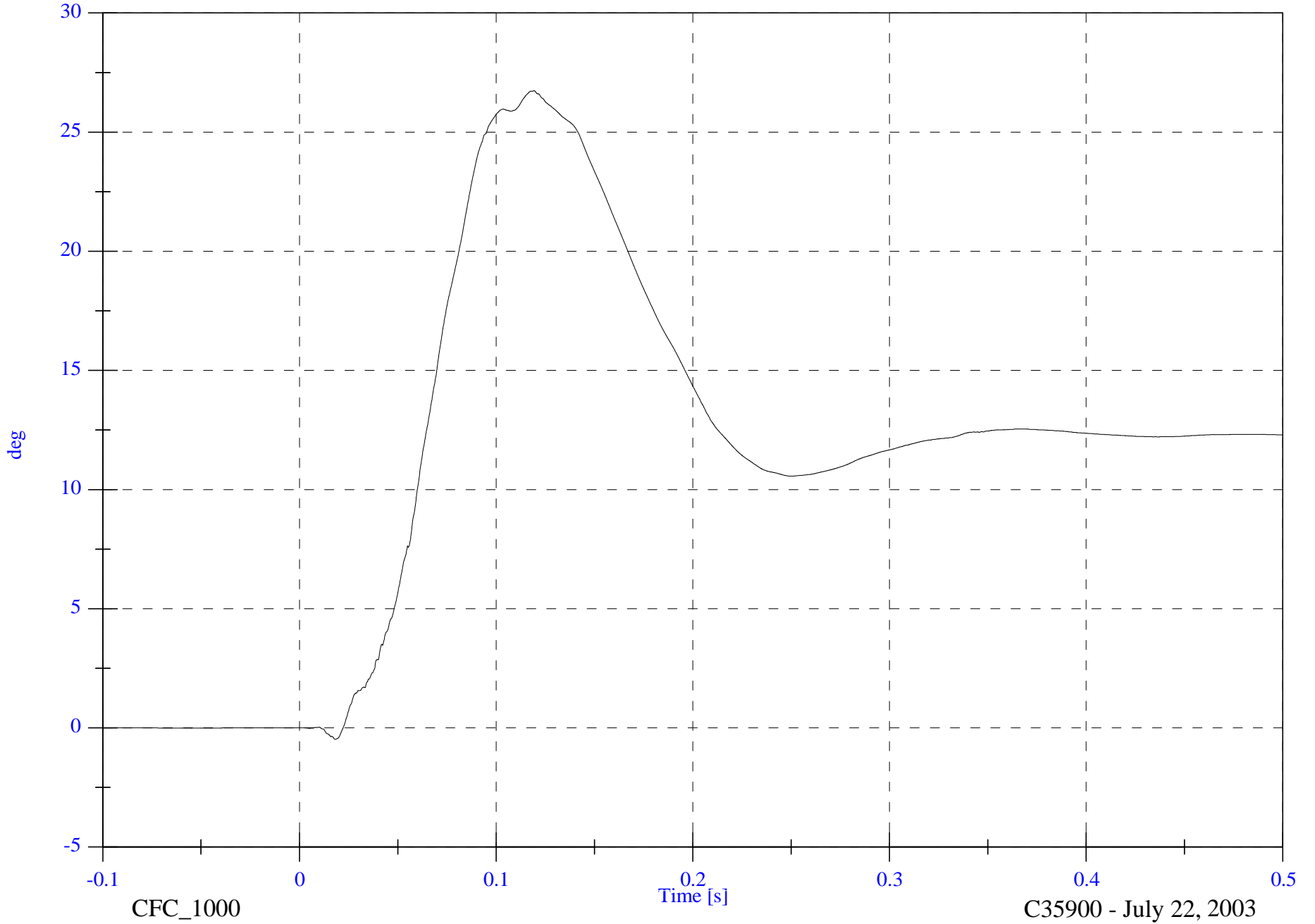
P2 Left Change in Seat Back Angle WRT Sill

Max: 26.7 [deg] at 0.119 [s]

Min: -0.5 [deg] at 0.018 [s]

B-132

8655-F301-10R



CFC_1000

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

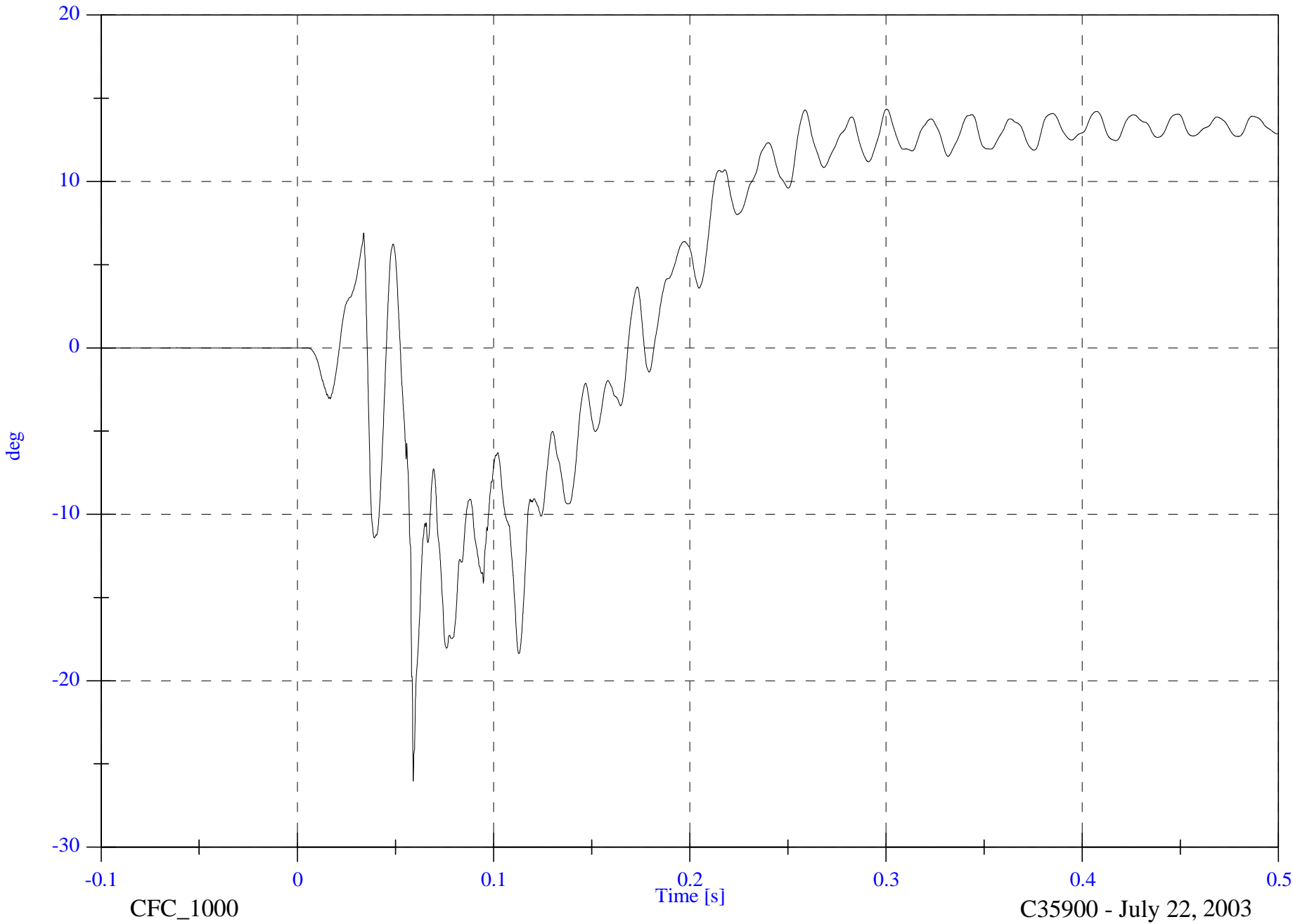
P2 Left Change in String Angle

Max: 14.4 [deg] at 0.300 [s]

Min: -26.0 [deg] at 0.059 [s]

B-133

8655-F301-10R



CFC_1000

Time [s]

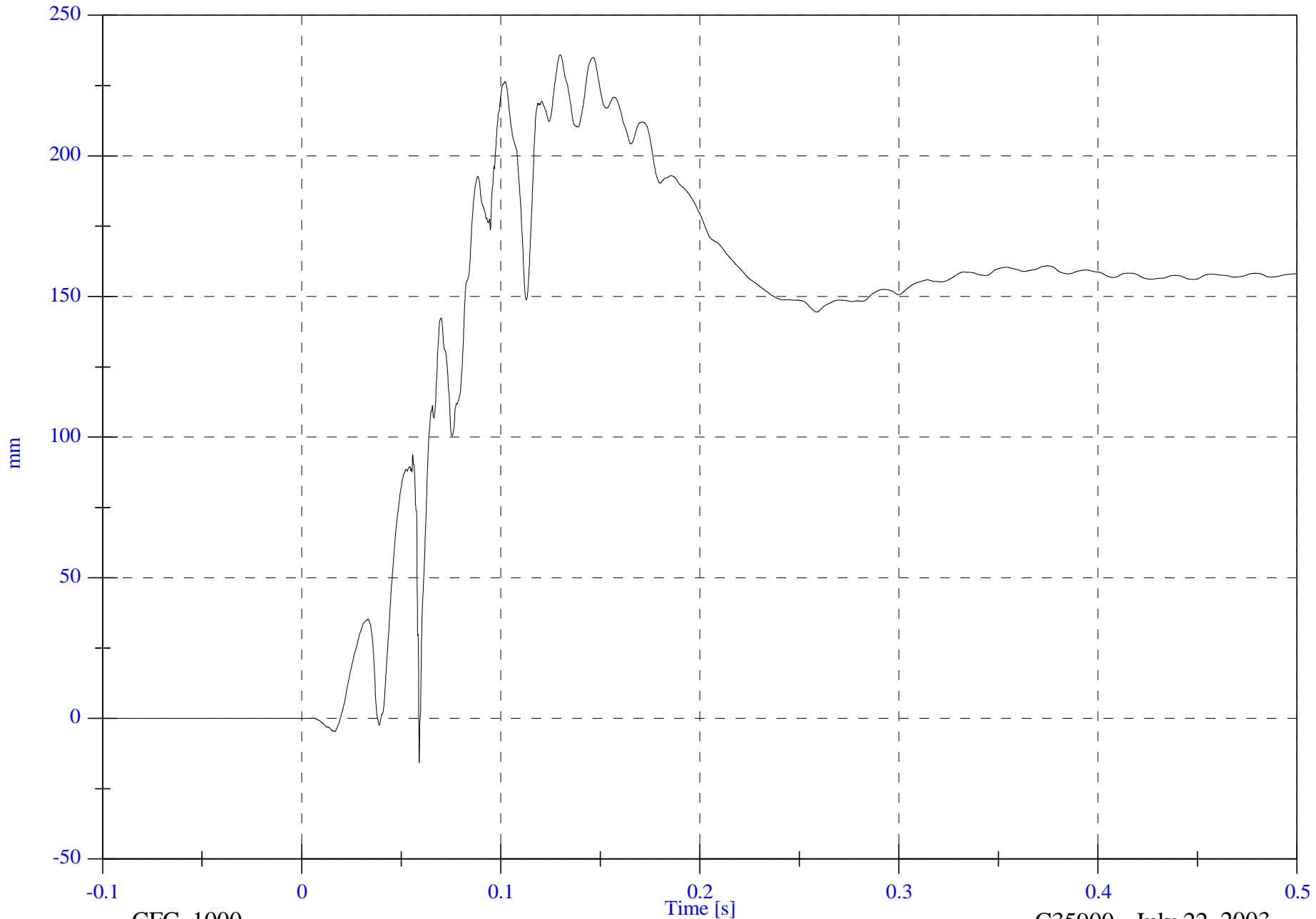
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

P2 Left Seat X Displacement

Max: 235.9 [mm] at 0.130 [s]

Min: -15.8 [mm] at 0.059 [s]



B-134

8655-F301-10R

CFC_1000

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

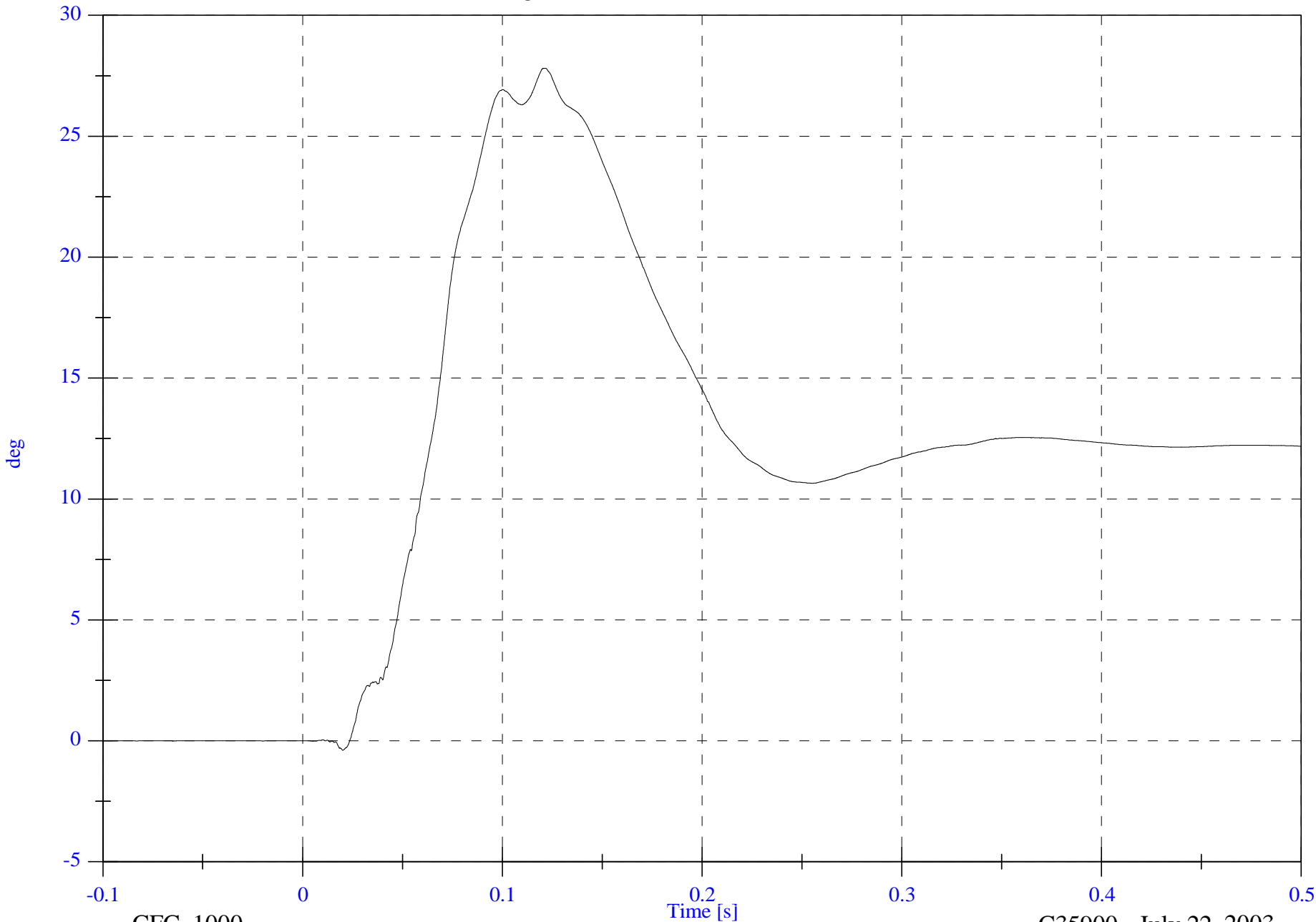
P2 Right Change in Seat Back Angle WRT Sill

Max: 27.8 [deg] at 0.121 [s]

Min: -0.4 [deg] at 0.020 [s]

B-135

8655-F301-10R



CFC_1000

Time [s]

C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

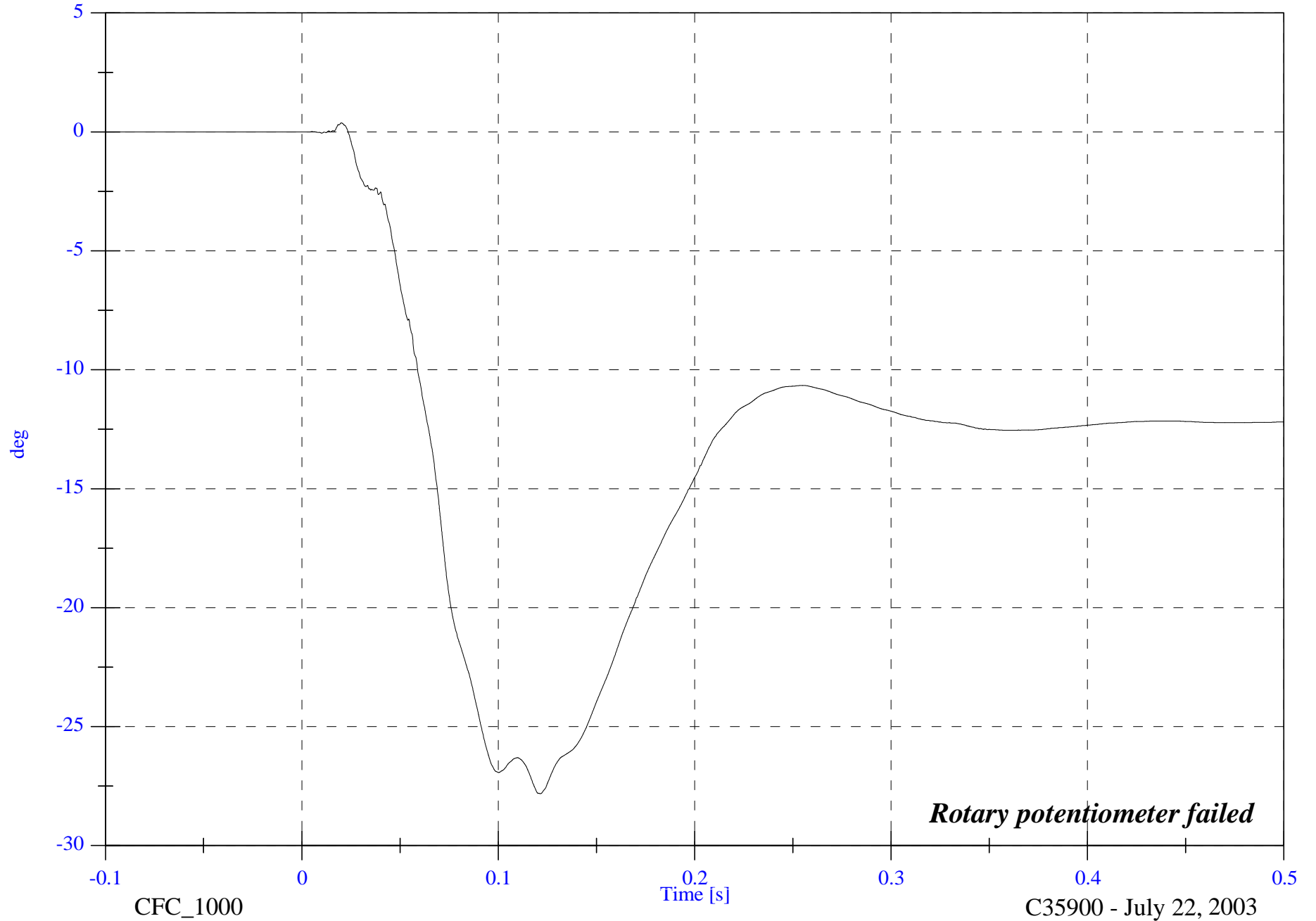
P2 Right Change in String Angle

Max: 0.4 [deg] at 0.020 [s]

Min: -27.8 [deg] at 0.121 [s]

B-136

8655-F301-10R



Rotary potentiometer failed

CFC_1000

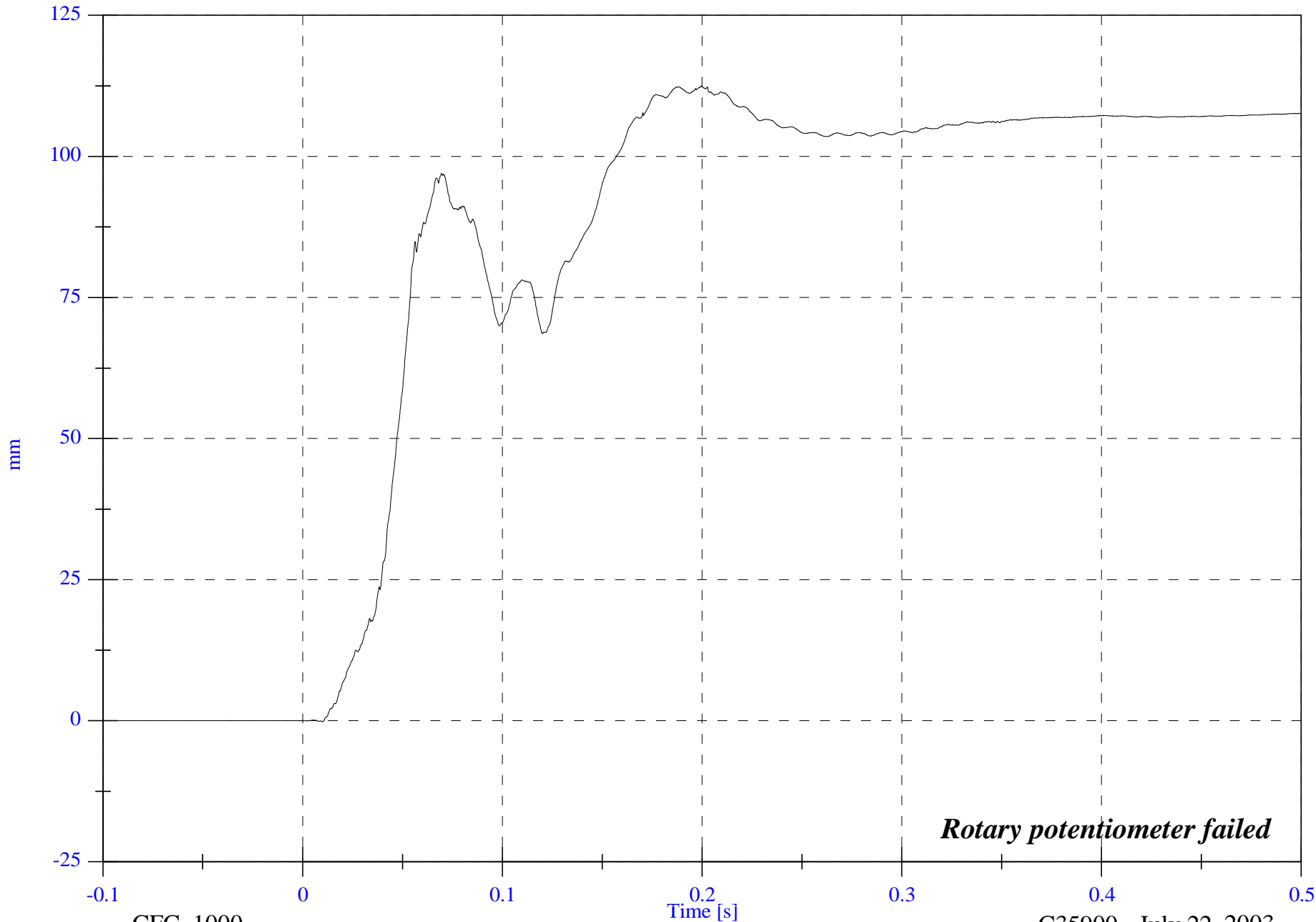
C35900 - July 22, 2003

FMVSS 301 Test 1 - 2003 Volvo V70

P2 Right Seat X Displacement

Max: 112.5 [mm] at 0.200 [s]

Min: -0.2 [mm] at 0.010 [s]



Rotary potentiometer failed

B-137

8655-F301-10R

CFC_1000

C35900 - July 22, 2003