

2002 301 Test 4 2002 Hyundai Accent

Max: 34.8 [g] at 0.157 [s]

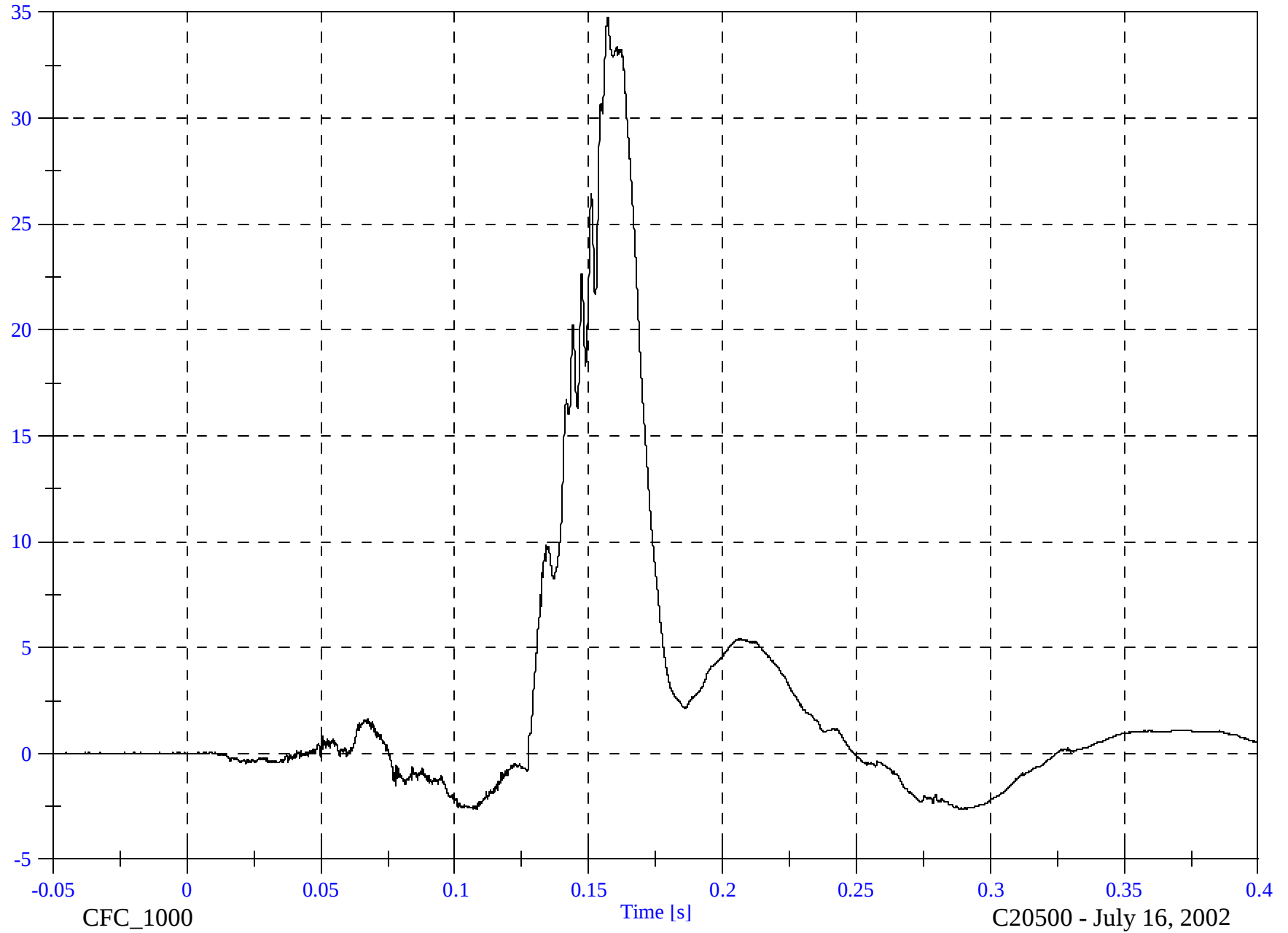
Min: -2.6 [g] at 0.108 [s]

P1 Head x

B-5

g

8655-F301-04

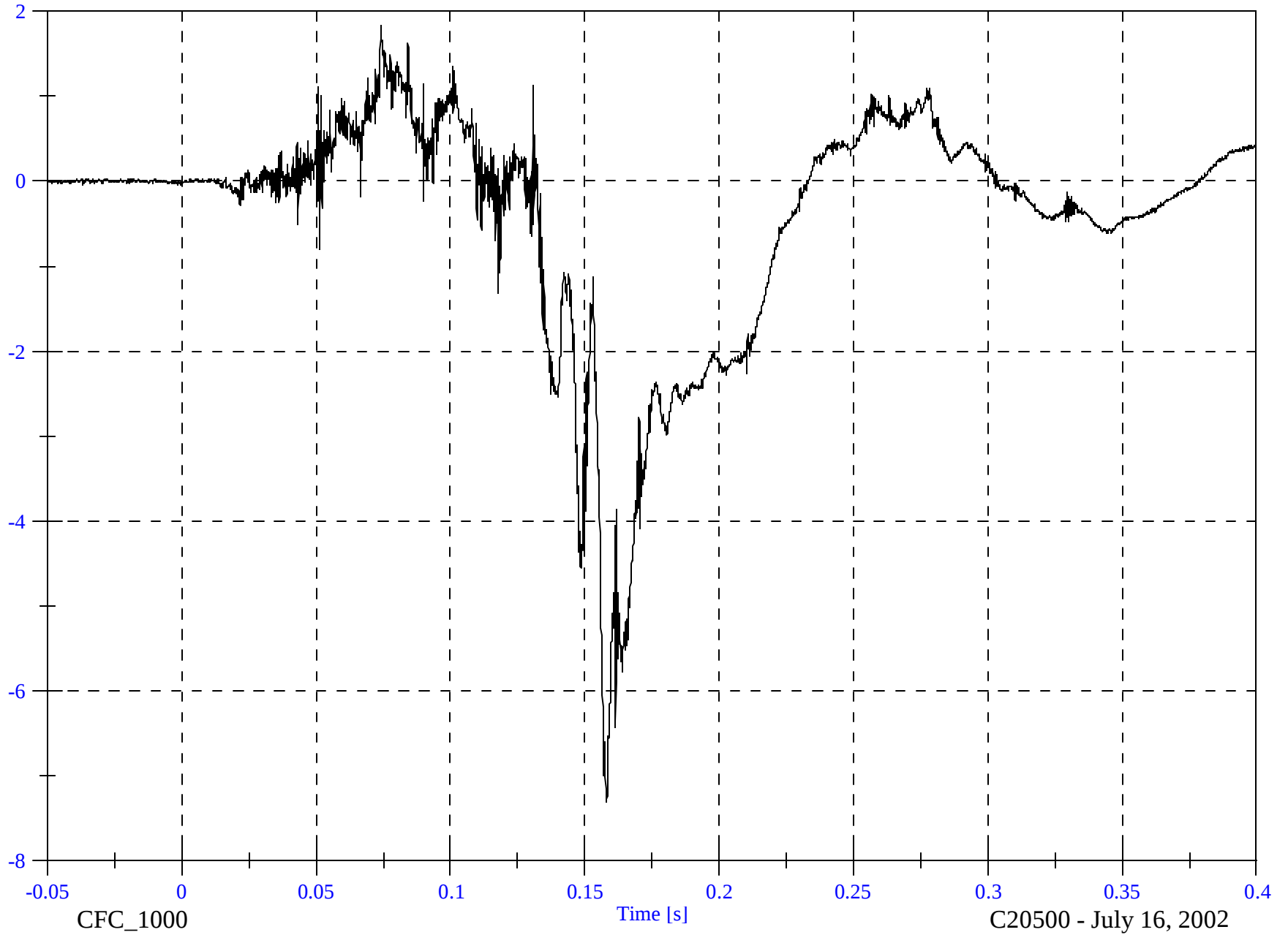


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P1 Head y

Max: 1.8 [g] at 0.074 [s]

Min: -7.3 [g] at 0.158 [s]



B-6

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Max: 16.6 [g] at 0.133 [s]

Min: -0.2 [g] at 0.393 [s]

P1 Head z



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P1 Head Resultant

Max: 36.6 [g] at 0.157 [s]

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

B-8

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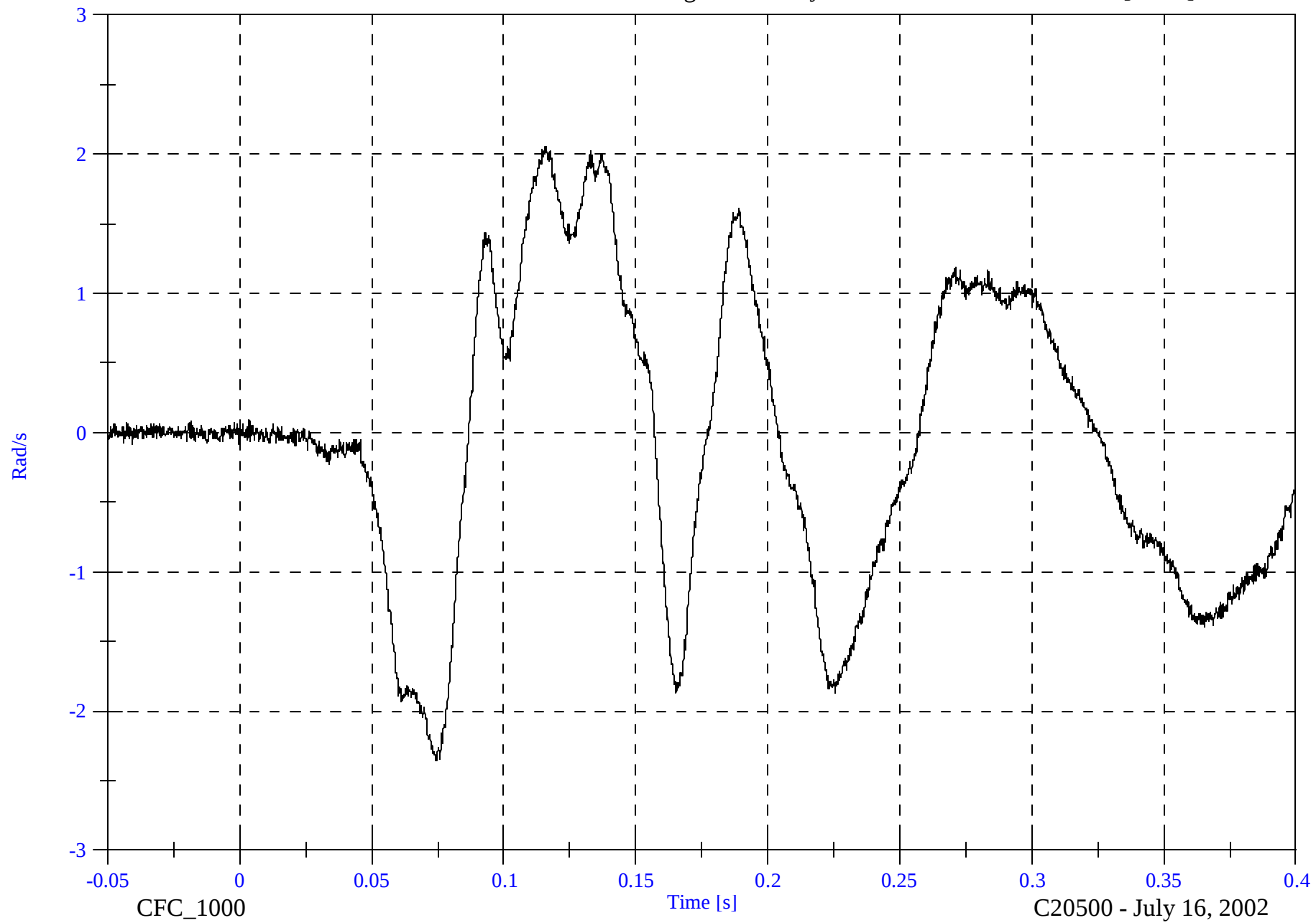
P1 Head Angular Velocity x

Max: 2.1 [Rad/s] at 0.116 [s]

Min: -2.4 [Rad/s] at 0.074 [s]

B-9

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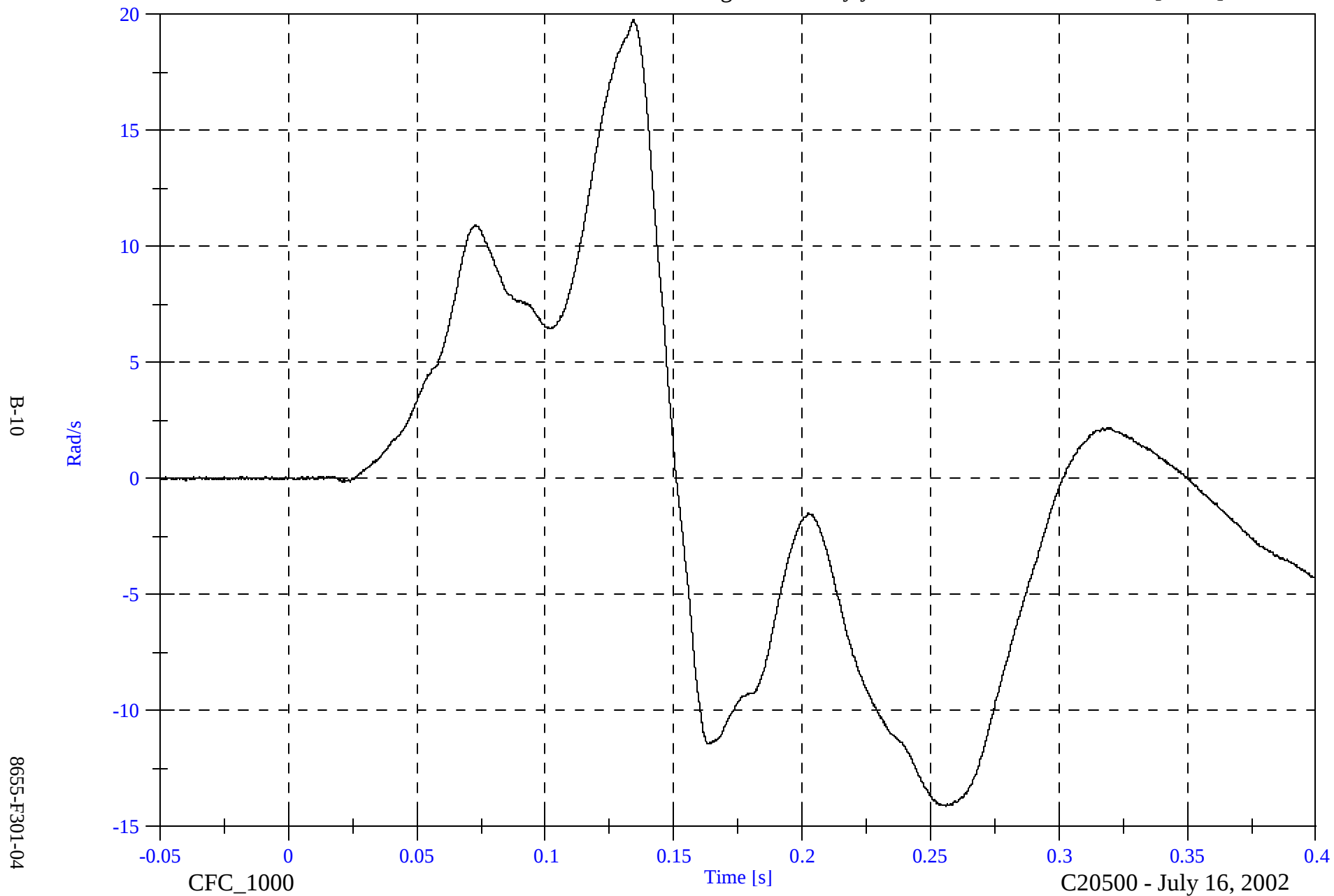


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Max: 19.8 [Rad/s] at 0.134 [s]

Min: -14.1 [Rad/s] at 0.256 [s]

P1 Head Angular Velocity y



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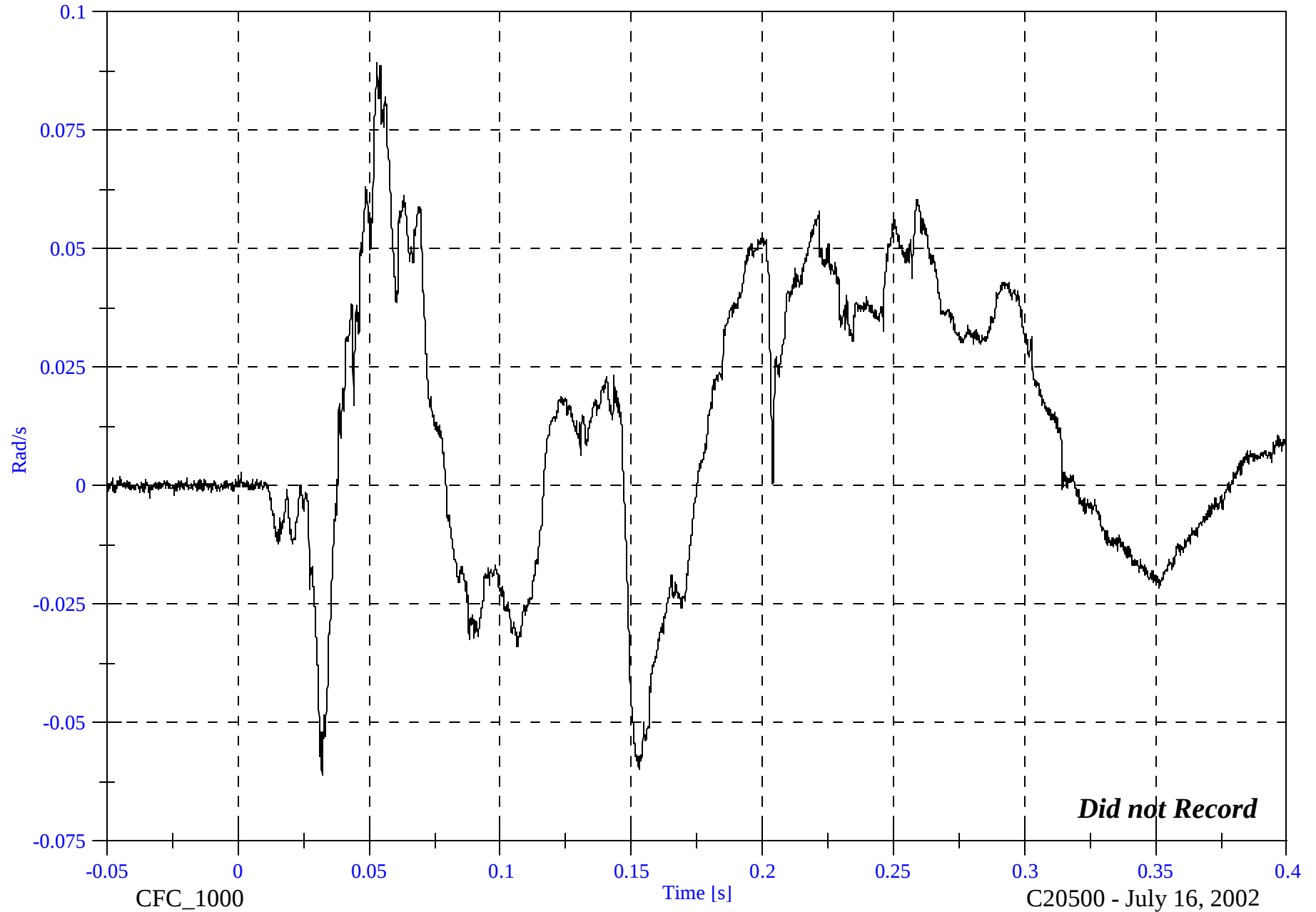
P1 Head Angular Velocity z

Max: 0.1 [Rad/s] at 0.053 [s]

Min: -0.1 [Rad/s] at 0.032 [s]

B-11

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P1 Upper Neck Fx

Max: 21.5 [lbf] at 0.067 [s]

Min: -43.7 [lbf] at 0.175 [s]

B-12

8655-F301-04



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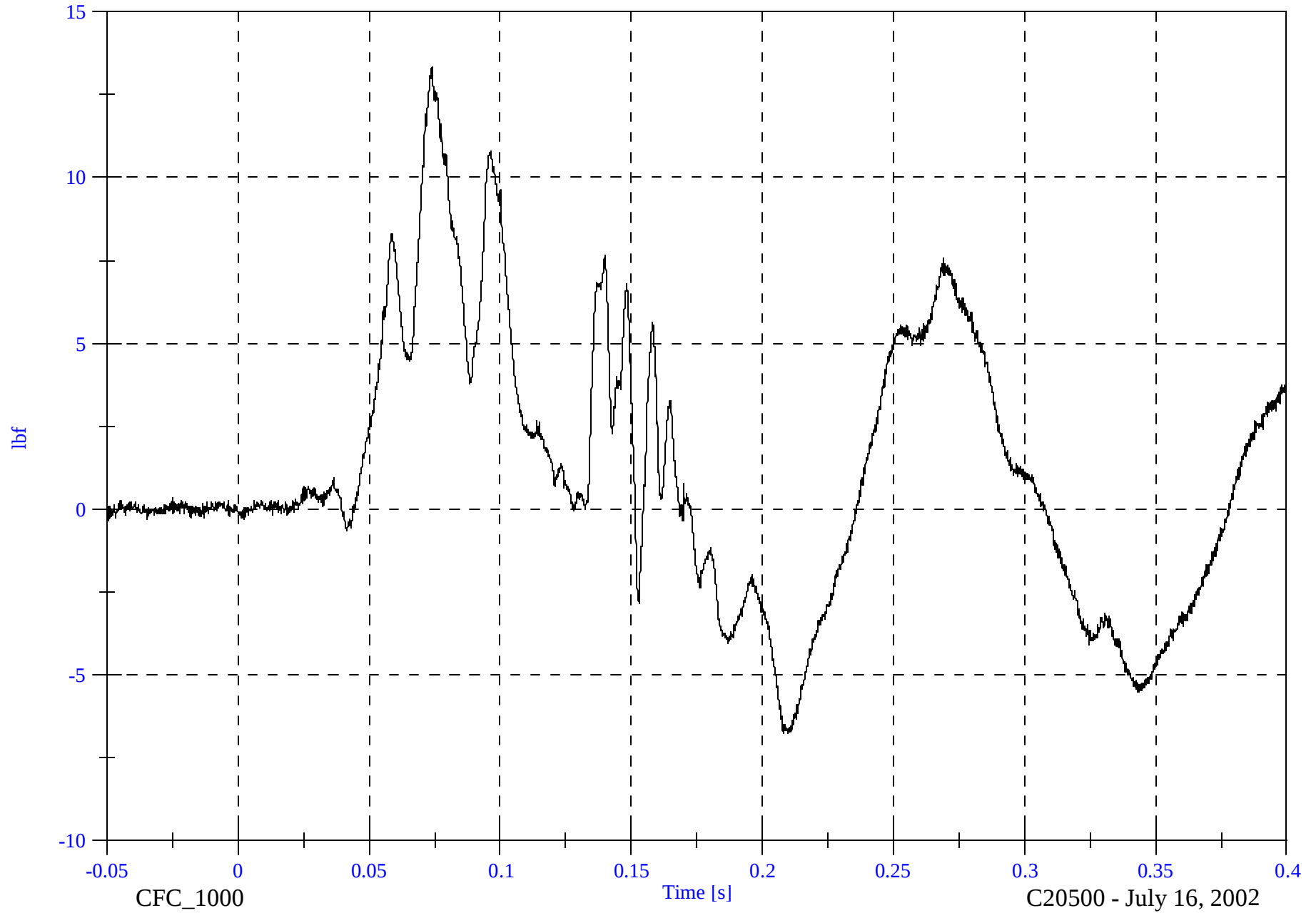
P1 Upper Neck Fy

Max: 13.3 [lbf] at 0.074 [s]

Min: -6.7 [lbf] at 0.208 [s]

B-13

8655-F301-04



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Max: 254.2 [lbf] at 0.142 [s]

P1 Upper Neck Fz

Min: -68.5 [lbf] at 0.181 [s]

B-14

lbf

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P1 Upper Neck F Resultant

Max: 254.4 [lbf] at 0.142 [s]

Min: 0.0 [lbf] at -0.008 [s]

B-15

8655-F301-04

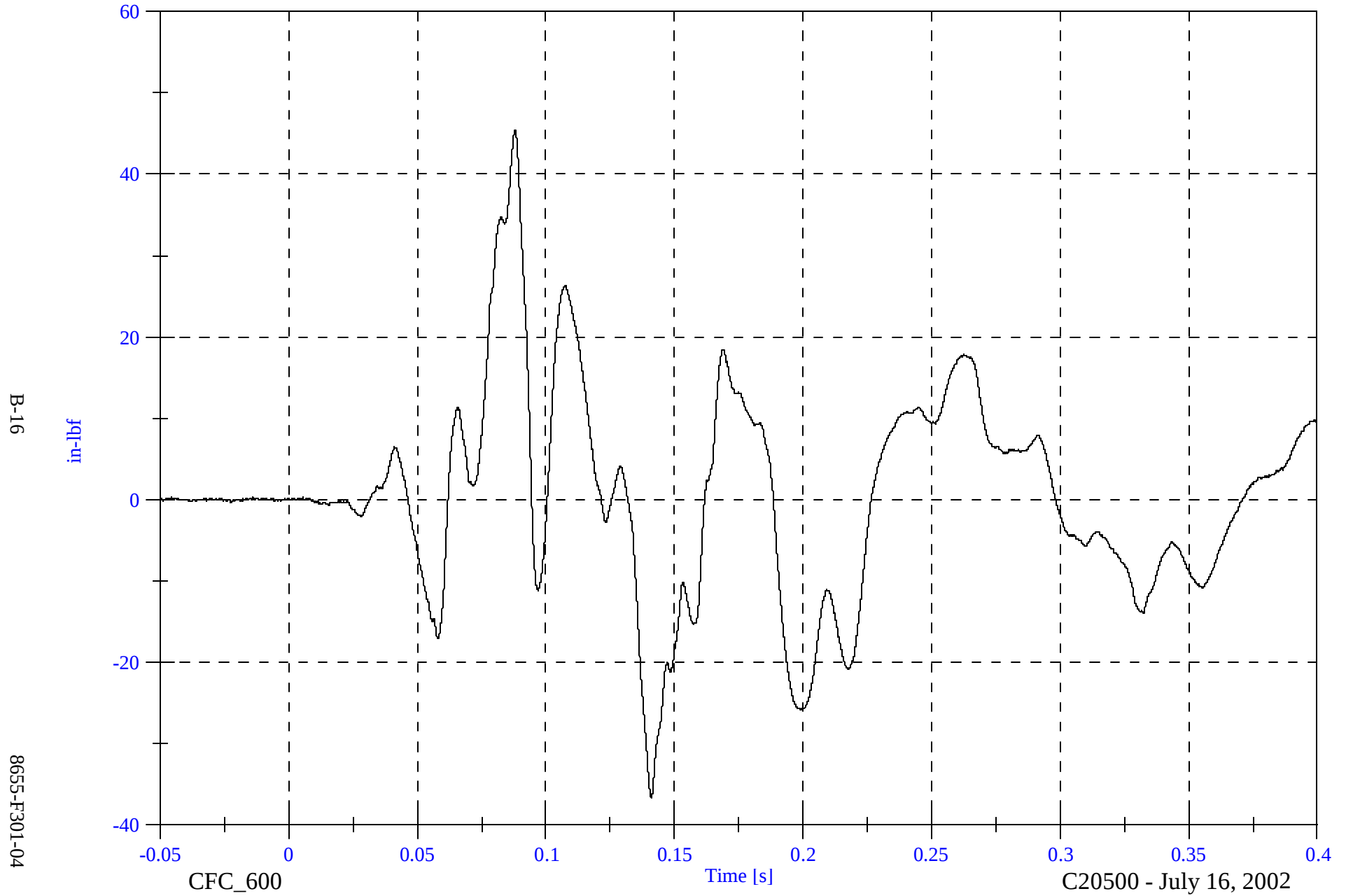


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P1 Upper Neck Mx

Max: 45.4 [in-lbf] at 0.088 [s]

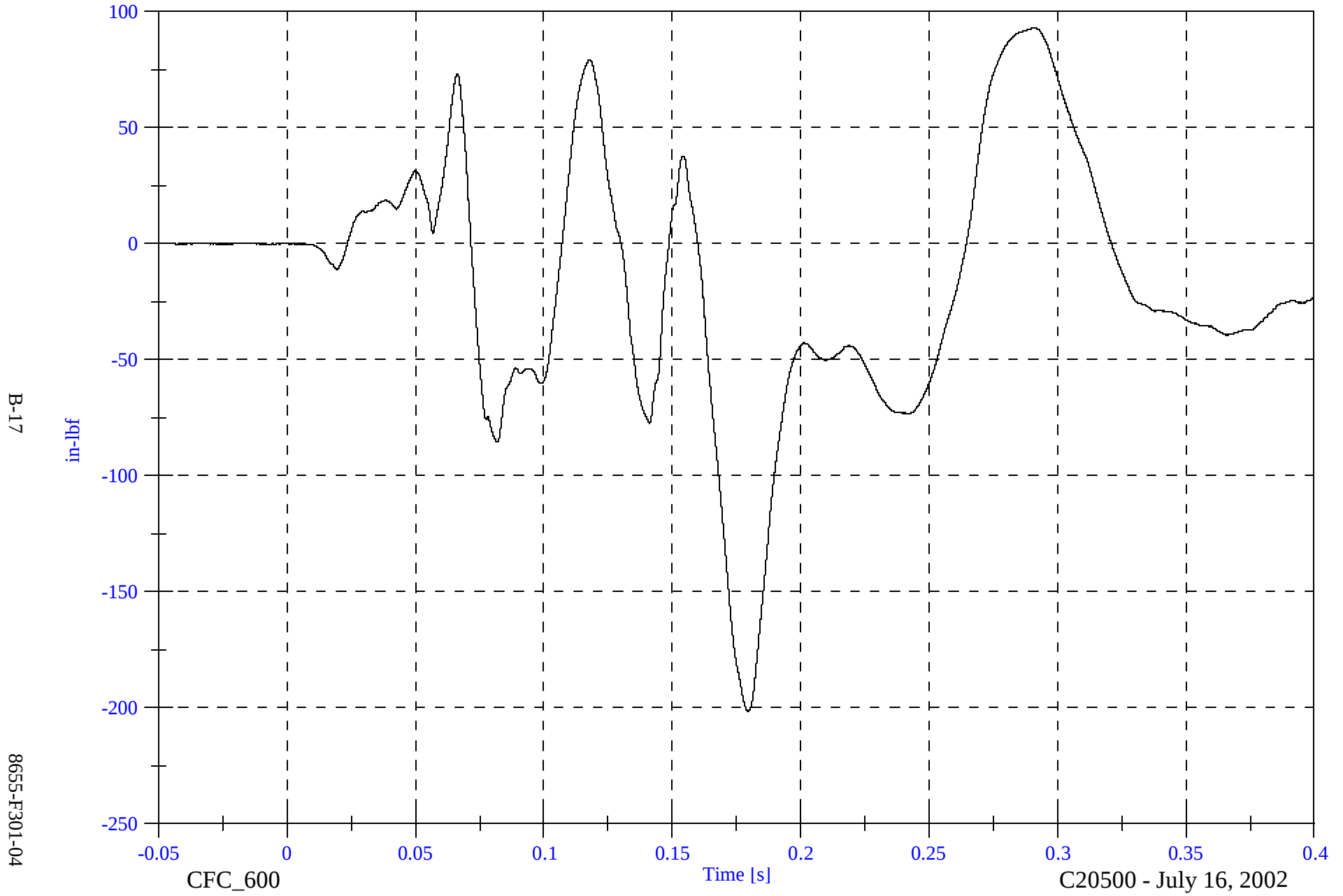
Min: -36.7 [in-lbf] at 0.141 [s]



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P1 Upper Neck My

Max: 93.0 [in-lbf] at 0.291 [s]  
Min: -201.6 [in-lbf] at 0.180 [s]

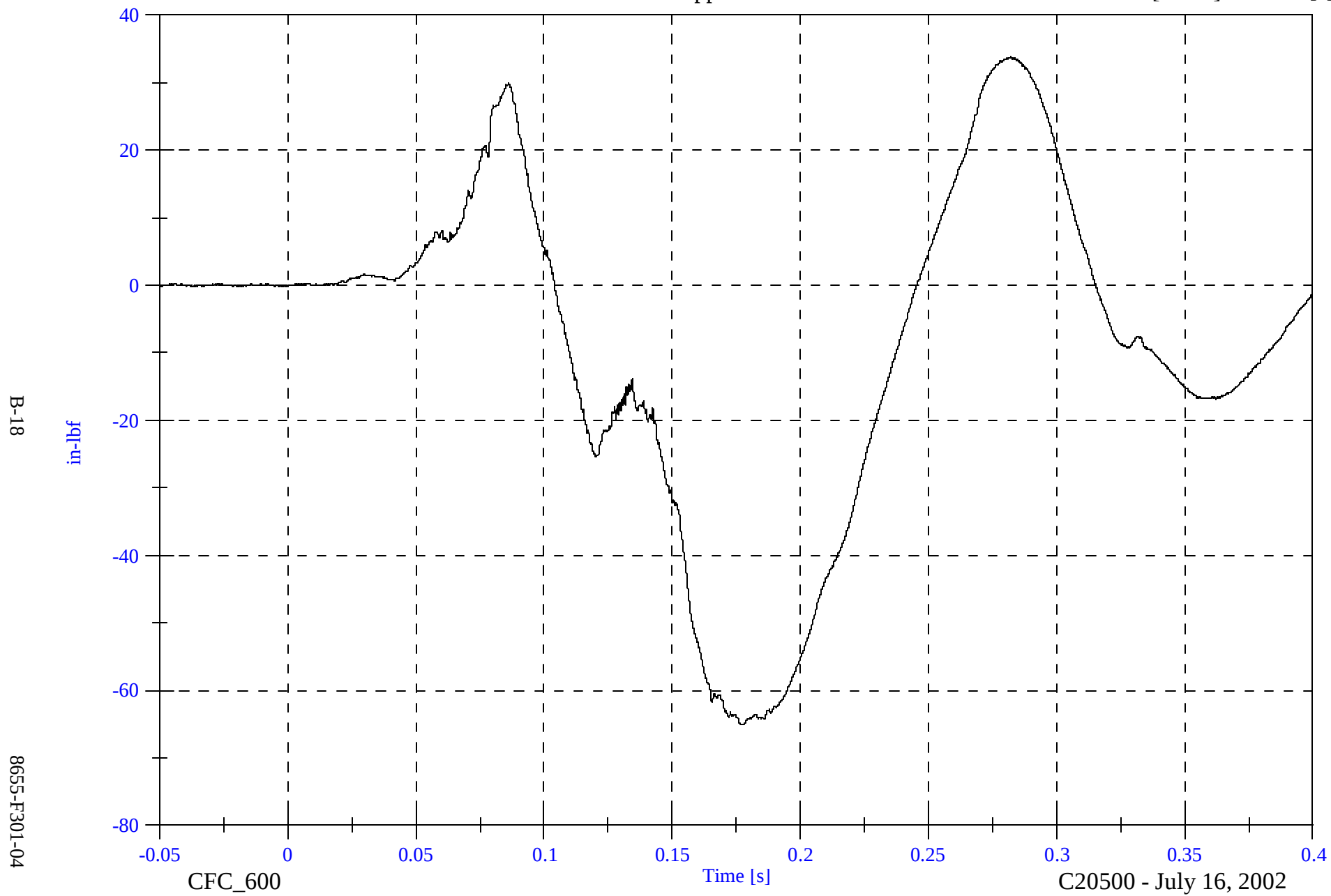


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P1 Upper Neck Mz

Max: 33.8 [in-lbf] at 0.282 [s]

Min: -65.1 [in-lbf] at 0.177 [s]



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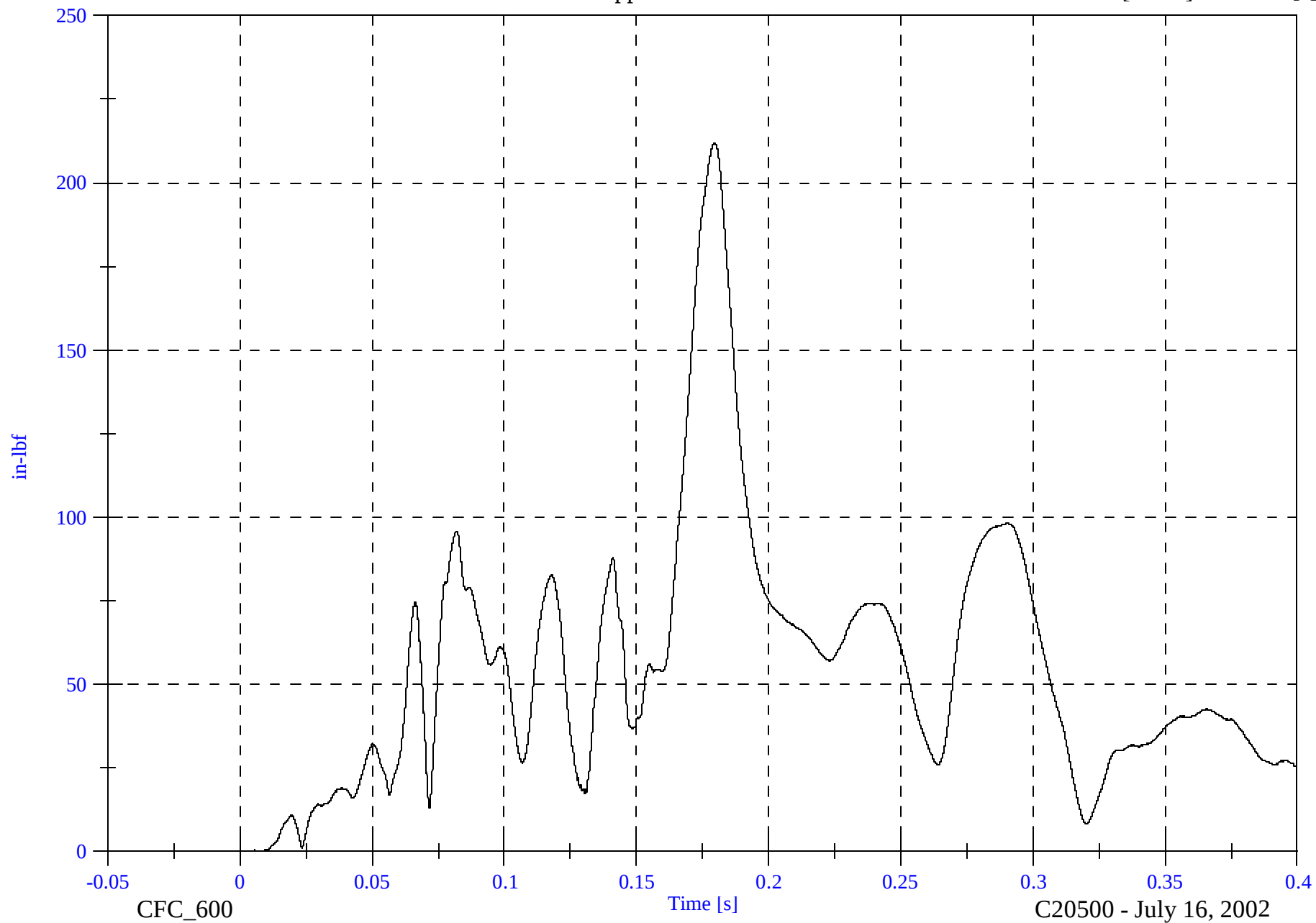
P1 Upper Neck M Resultant

Max: 211.8 [in-lbf] at 0.179 [s]

Min: 0.0 [in-lbf] at -0.001 [s]

B-19

8655-F301-04

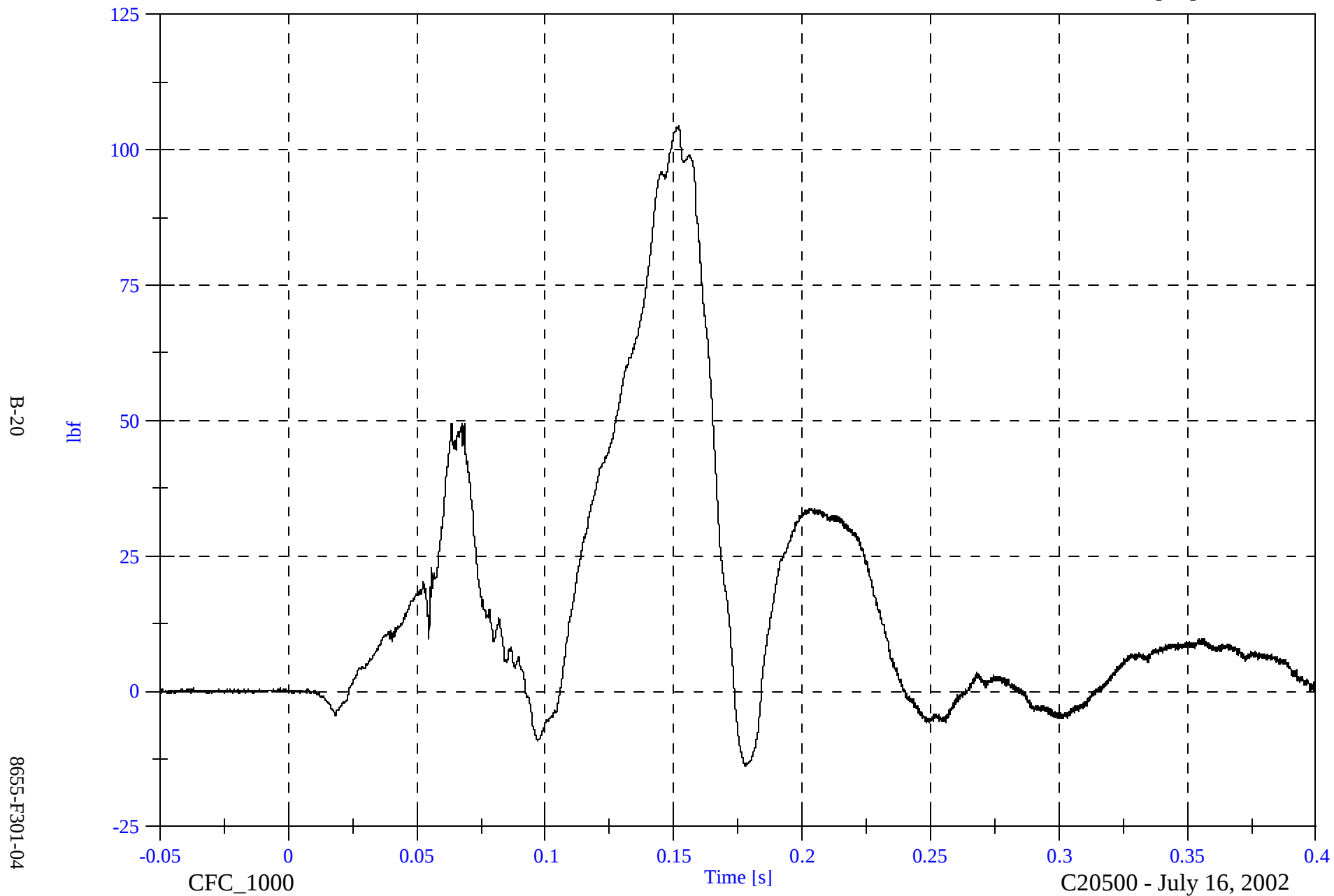


2002 301 Test 4 2002 Hyundai Accent

Max: 104.3 [lbf] at 0.152 [s]

Min: -13.8 [lbf] at 0.178 [s]

P1 Lower Neck Fx

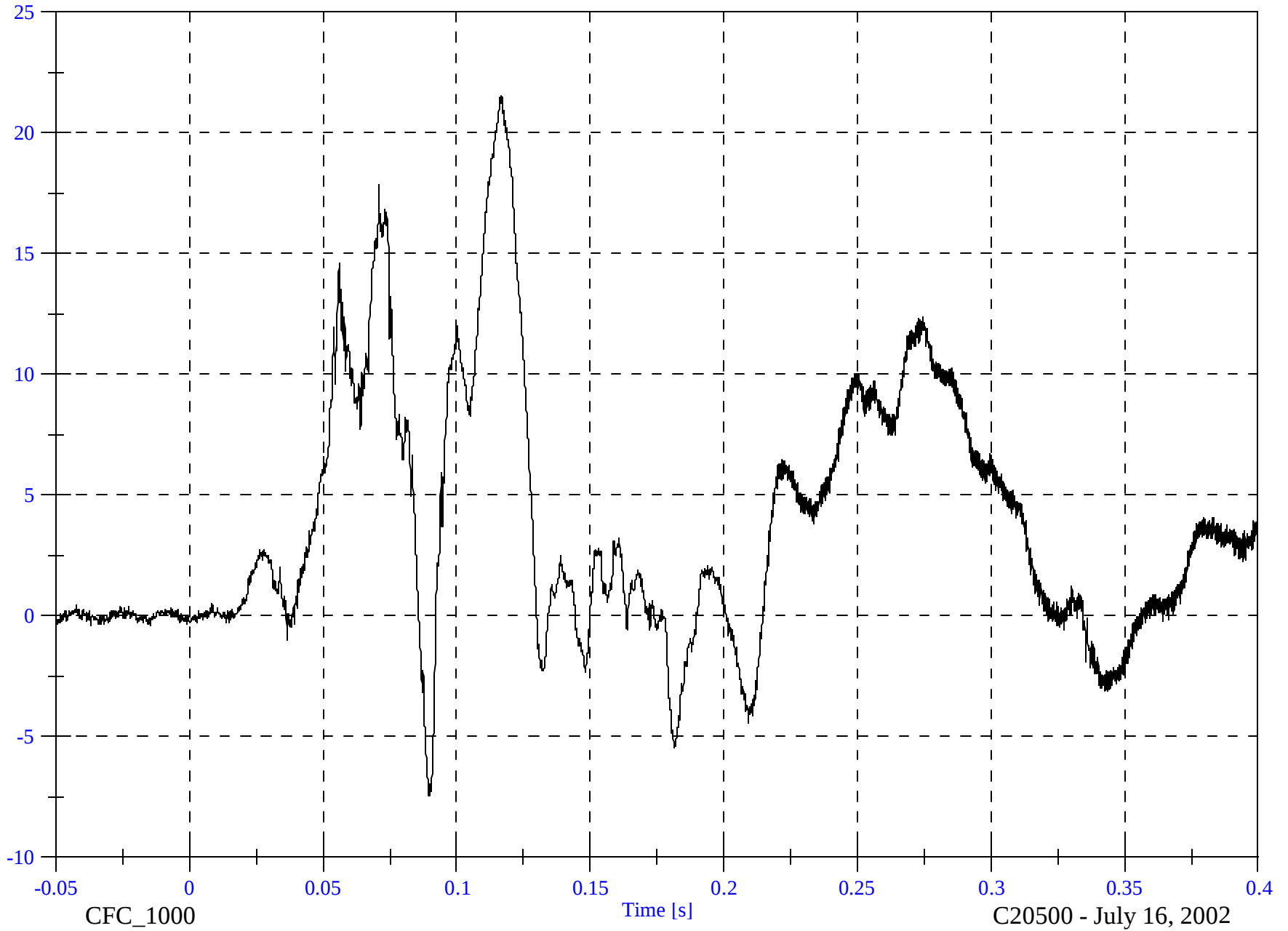


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P1 Lower Neck Fy

Max: 21.5 [lbf] at 0.117 [s]

Min: -7.5 [lbf] at 0.090 [s]



B-21

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Max: 247.2 [lbf] at 0.142 [s]

Min: -81.5 [lbf] at 0.182 [s]

P1 Lower Neck Fz



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P1 Lower Neck F Resultant

Max: 262.3 [lbf] at 0.142 [s]

Min: 0.1 [lbf] at -0.041 [s]



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P1 Lower Neck Mx

Max: 117.1 [in-lbf] at 0.074 [s]

Min: -65.6 [in-lbf] at 0.182 [s]

B-24

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P1 Lower Neck My

Max: 187.0 [in-lbf] at 0.291 [s]

Min: -896.9 [in-lbf] at 0.143 [s]

B-25

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P1 Lower Neck Mz

Max: 63.6 [in-lbf] at 0.071 [s]

Min: -79.0 [in-lbf] at 0.172 [s]

B-26

8655-F301-04



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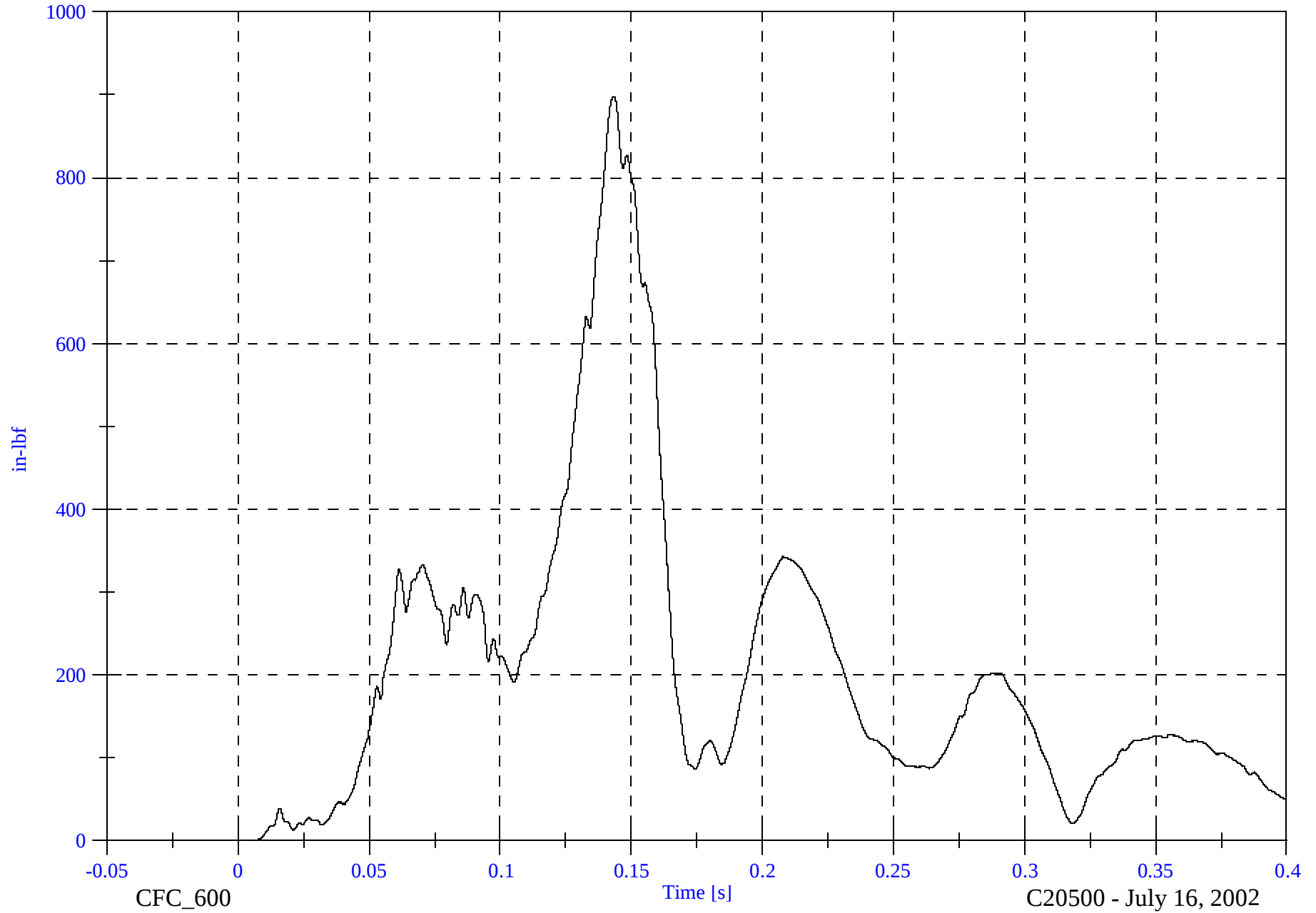
P1 Lower Neck M Resultant

Max: 897.4 [in-lbf] at 0.143 [s]

Min: 0.0 [in-lbf] at -0.019 [s]

B-27

8655-F301-04

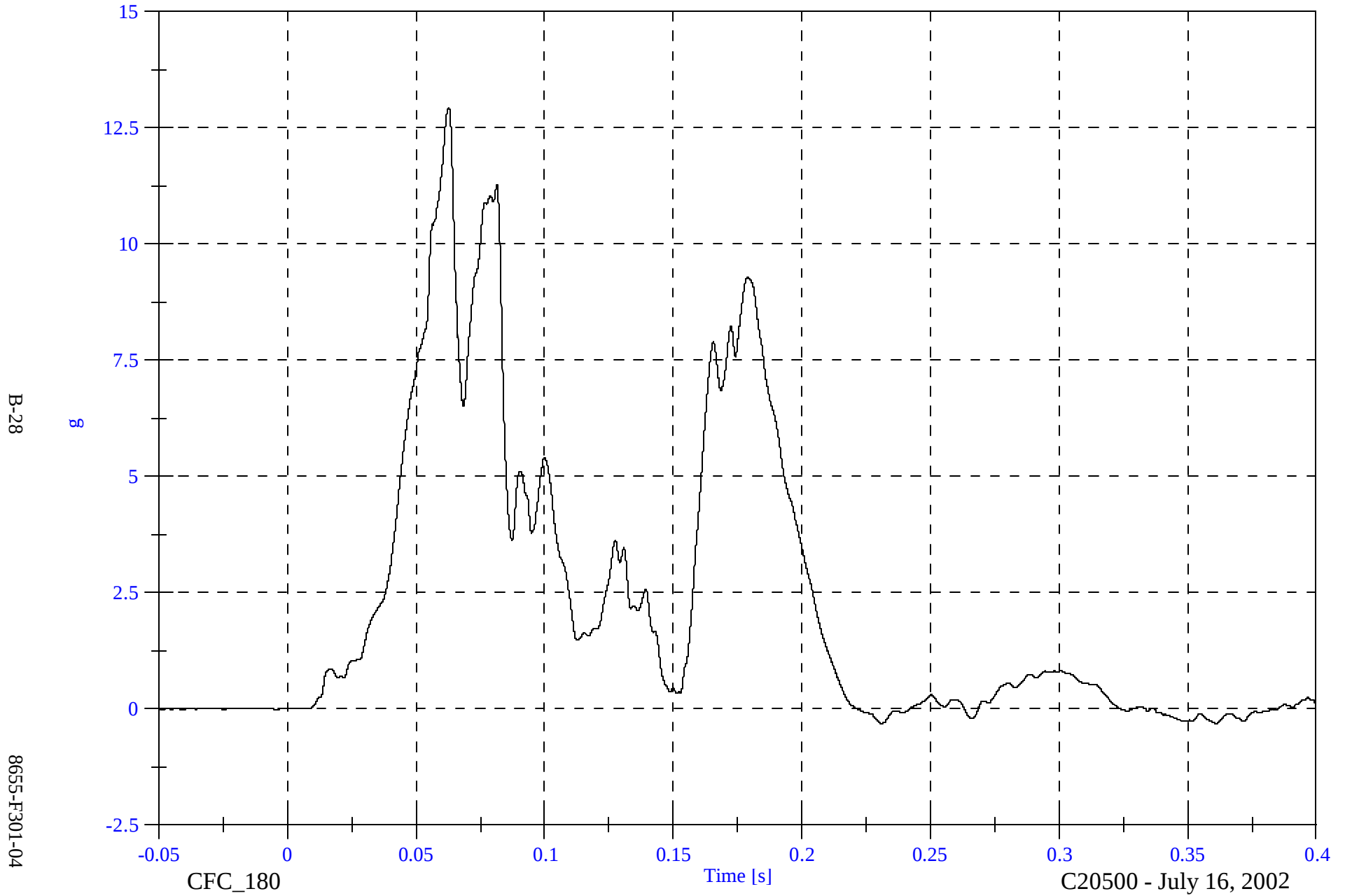


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Max: 12.9 [g] at 0.063 [s]

Min: -0.3 [g] at 0.231 [s]

P1 Chest x



2002 301 Test 4 2002 Hyundai Accent

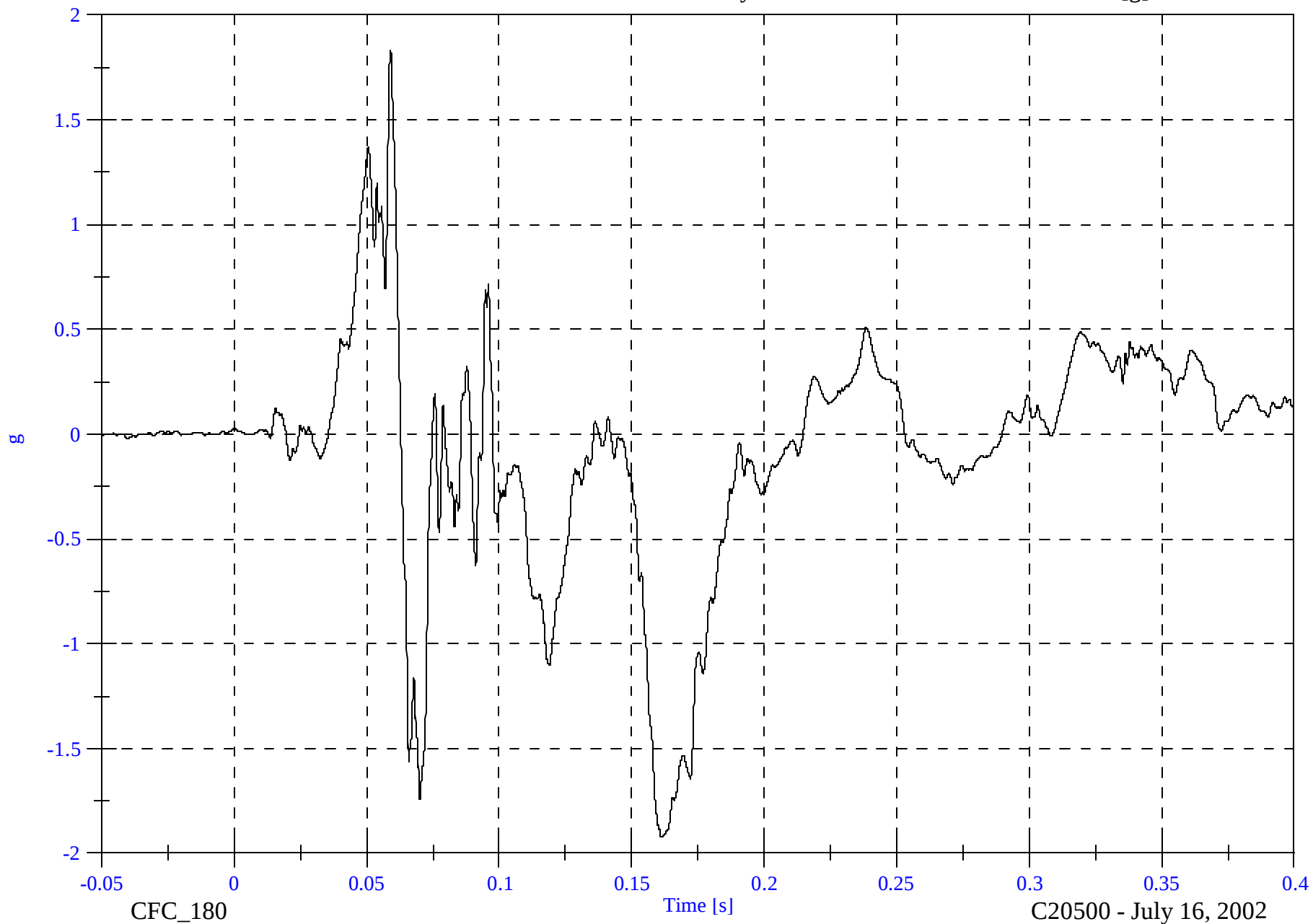
Max: 1.8 [g] at 0.059 [s]

P1 Chest y

Min: -1.9 [g] at 0.161 [s]

B-29

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

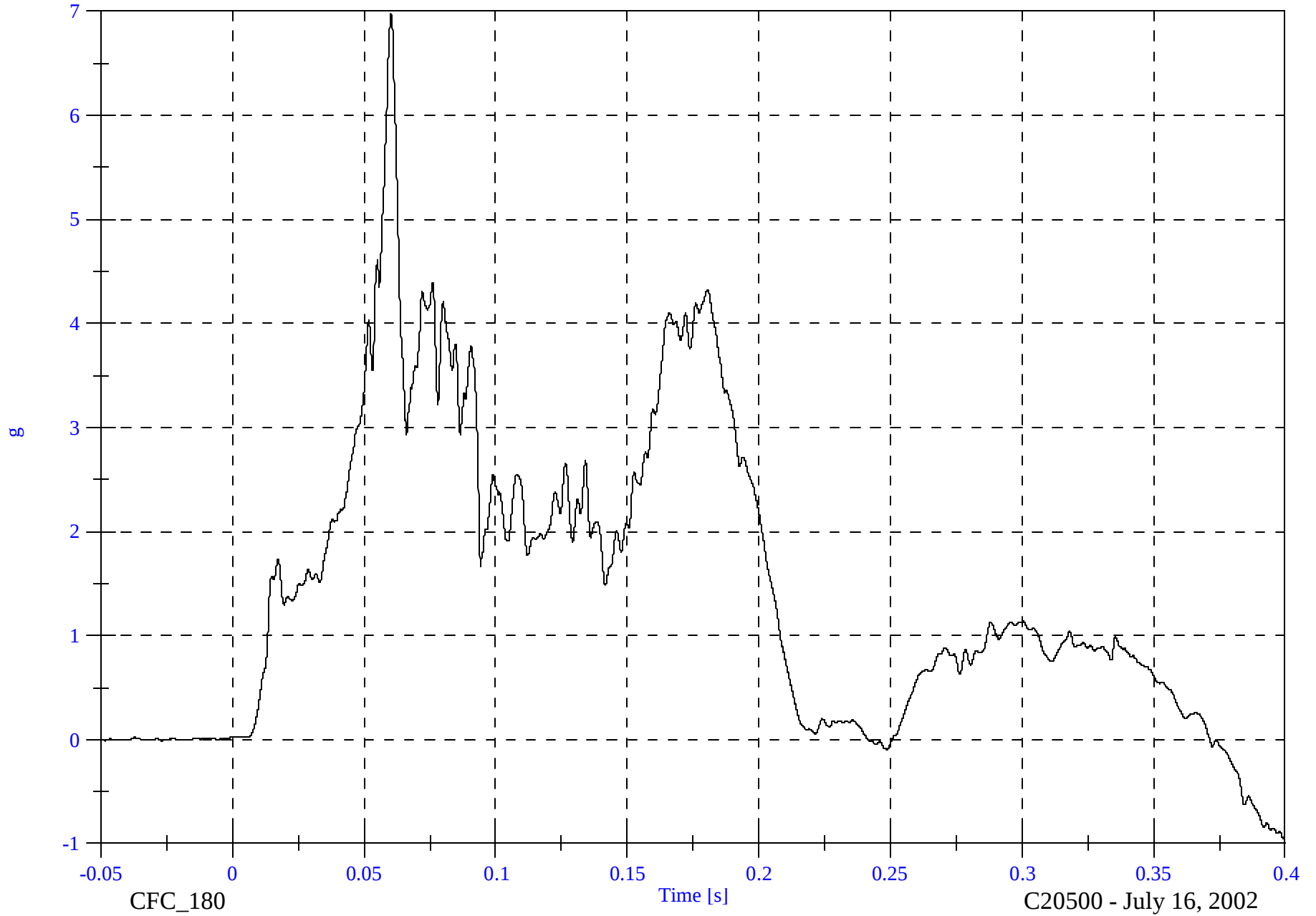
Max: 7.0 [g] at 0.060 [s]

Min: -0.9 [g] at 0.400 [s]

P1 Chest z

B-30

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

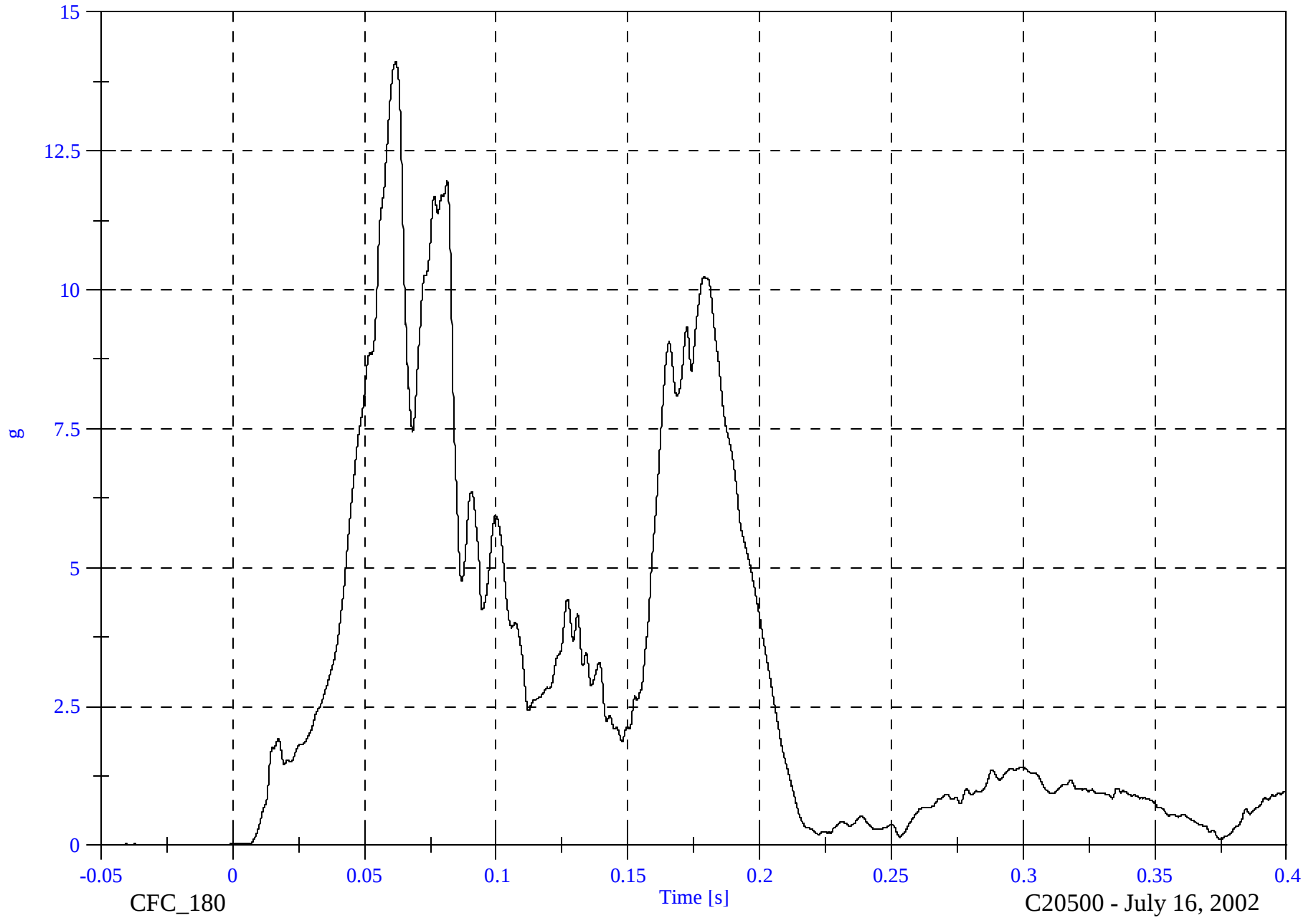
P1 Chest Resultant

Max: 14.1 [g] at 0.062 [s]

Min: 0.0 [g] at -0.047 [s]

B-31

8655-F301-04

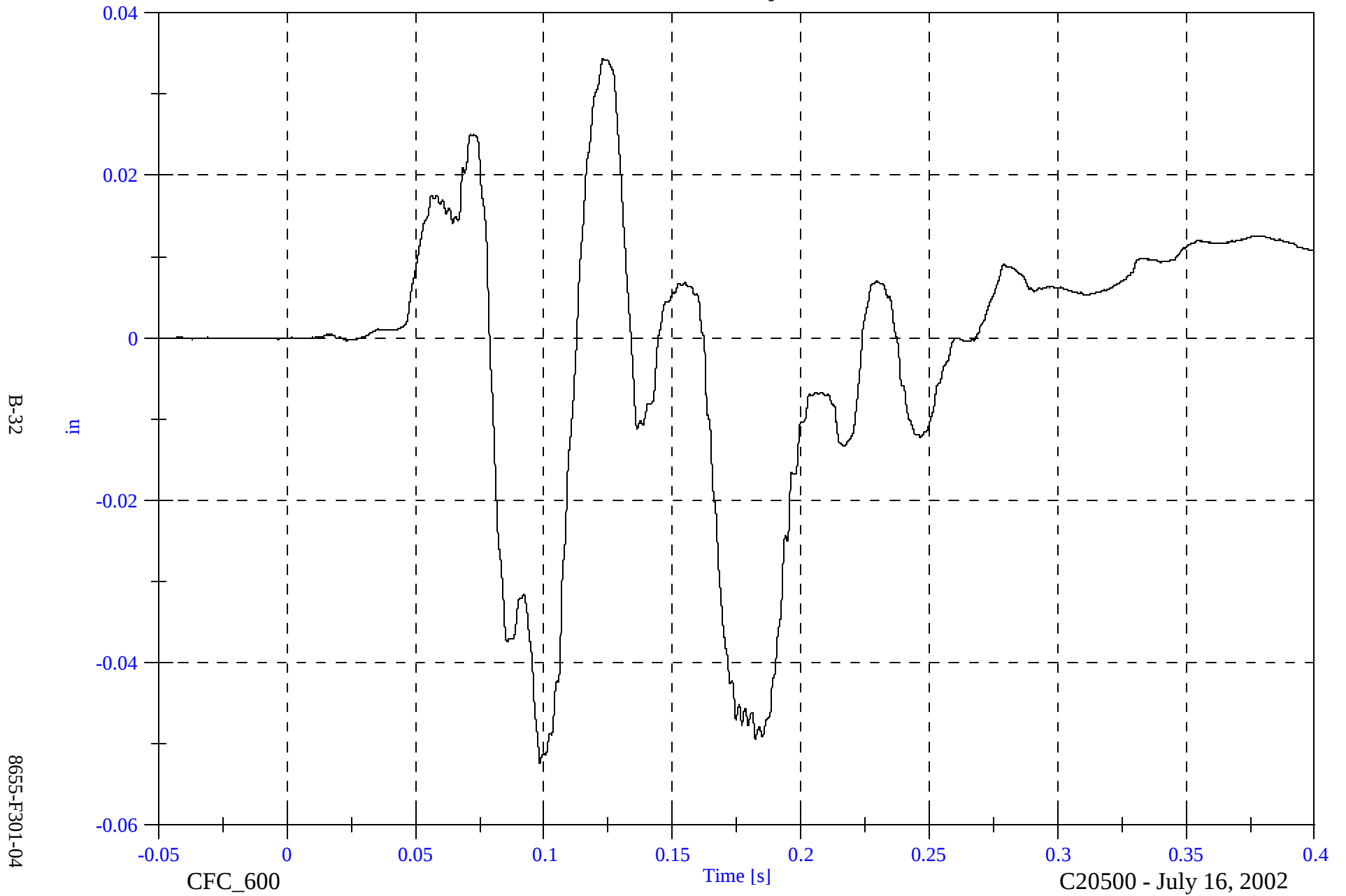


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P1 Chest Compression

Max: 0.0 [in] at 0.123 [s]

Min: -0.1 [in] at 0.098 [s]



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P1 Chest Angular Velocity x

Max: 2.5 [Rad/s] at 0.086 [s]

Min: -1.1 [Rad/s] at 0.066 [s]

B-33

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2002 301 Test 4 2002 Hyundai Accent

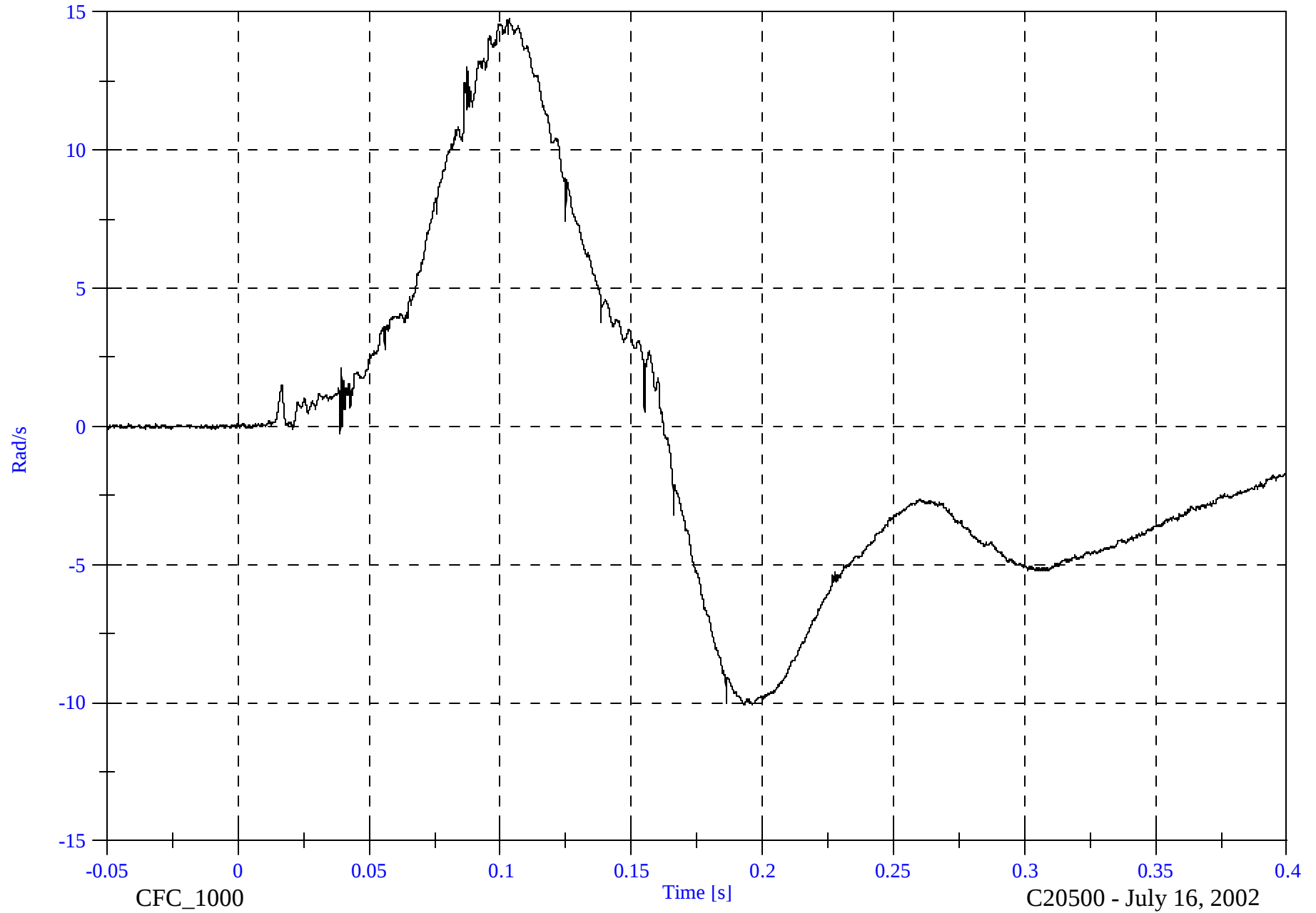
P1 Chest Angular Velocity y

Max: 14.8 [Rad/s] at 0.104 [s]

Min: -10.1 [Rad/s] at 0.193 [s]

B-34

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

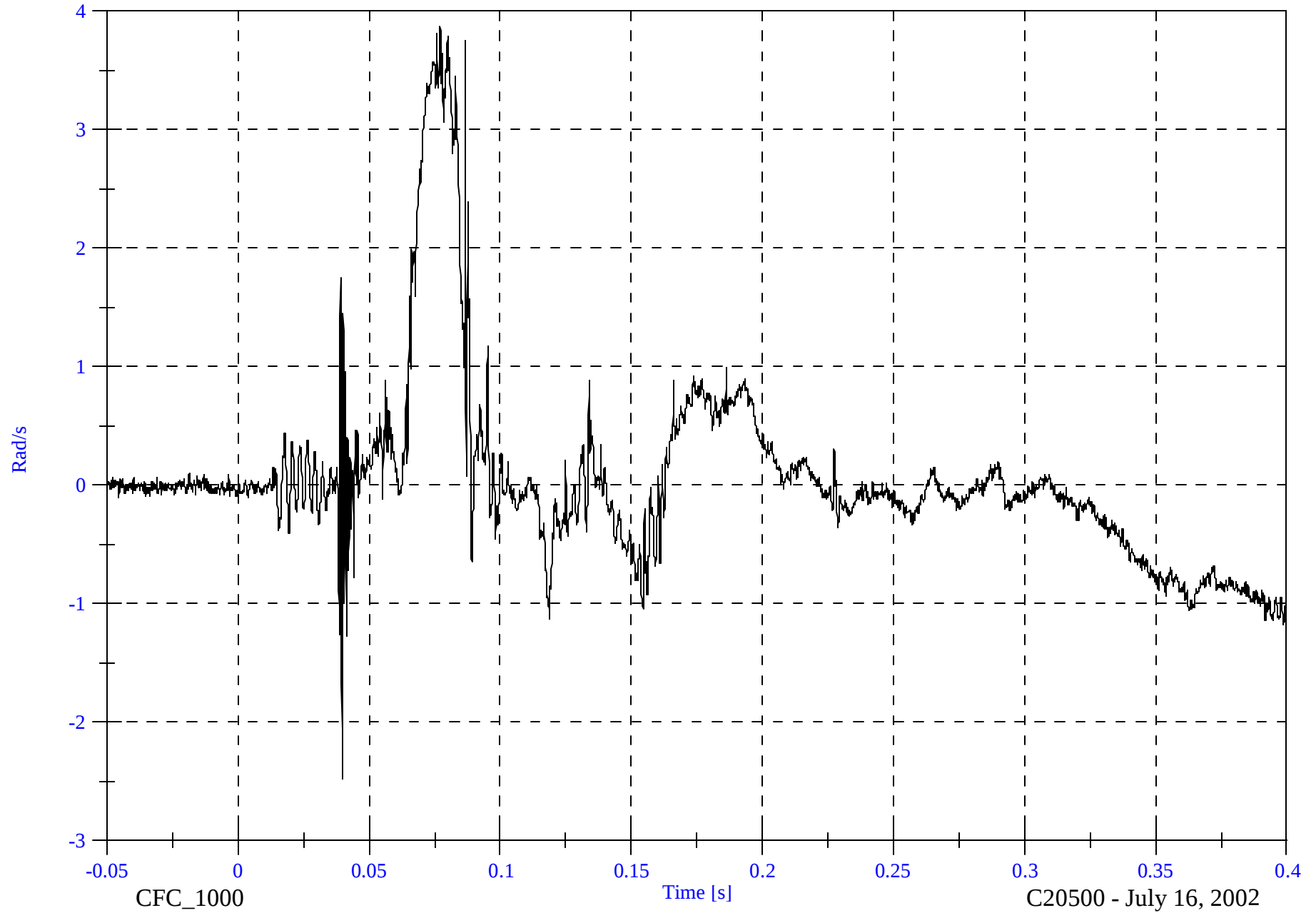
P1 Chest Angular Velocity z

Max: 3.9 [Rad/s] at 0.077 [s]

Min: -2.5 [Rad/s] at 0.040 [s]

B-35

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

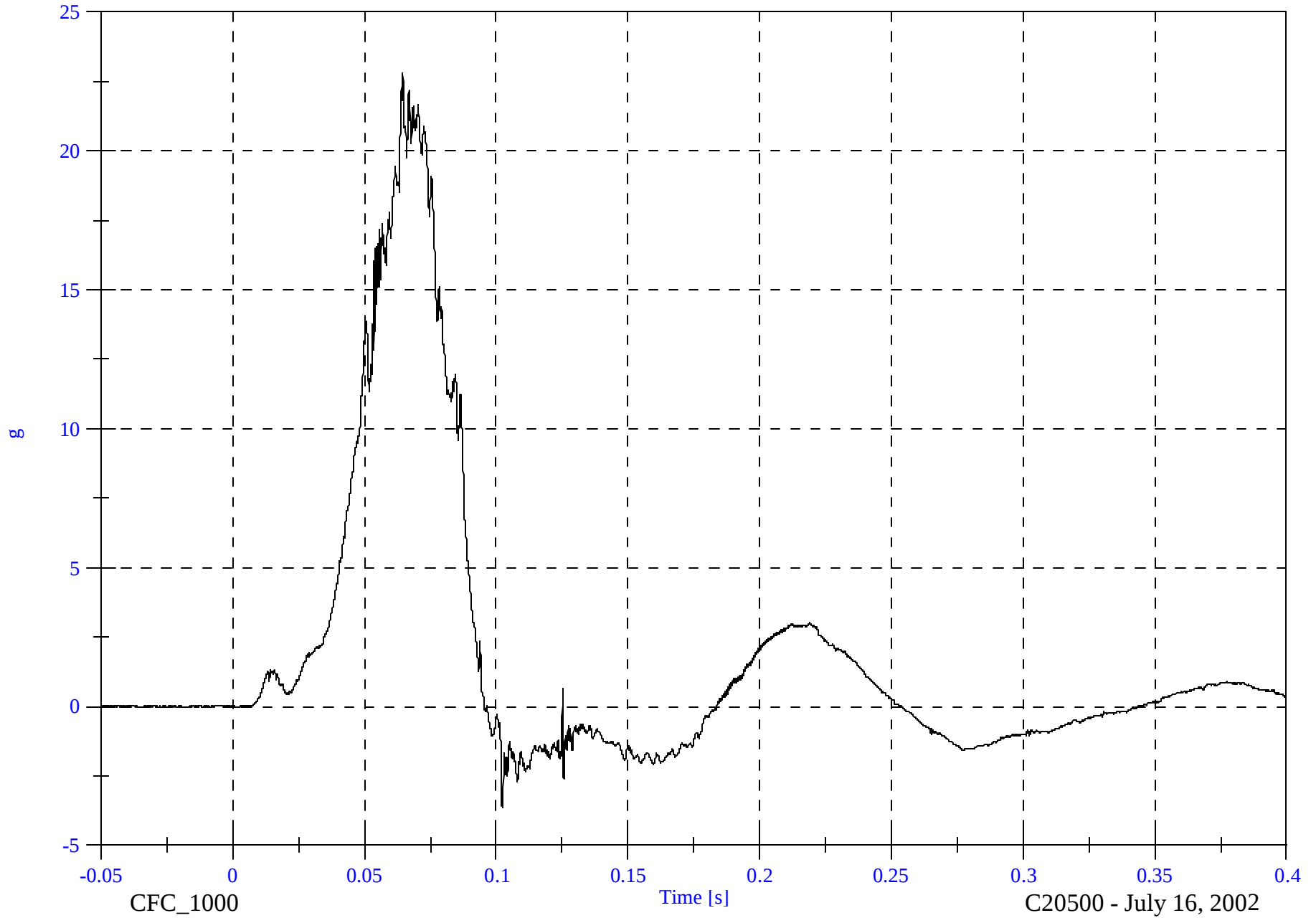
Max: 22.8 [g] at 0.065 [s]

Min: -3.6 [g] at 0.102 [s]

P1 Pelvic x

B-36

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Max: 4.3 [g] at 0.060 [s]

Min: -4.5 [g] at 0.087 [s]

P1 Pelvic y



B-37

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2002 301 Test 4 2002 Hyundai Accent

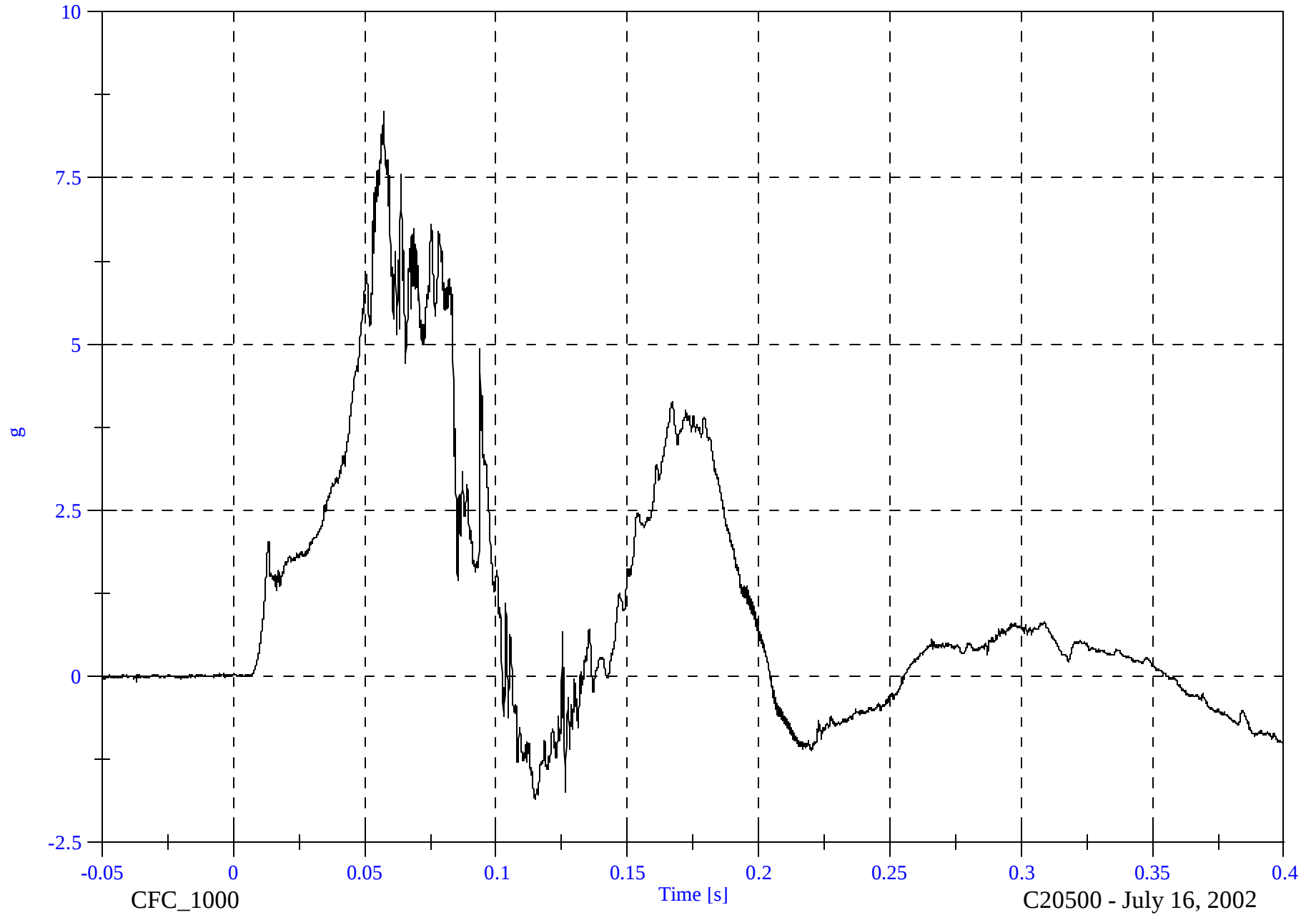
P1 Pelvic z

Max: 8.5 [g] at 0.057 [s]

Min: -1.8 [g] at 0.115 [s]

B-38

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

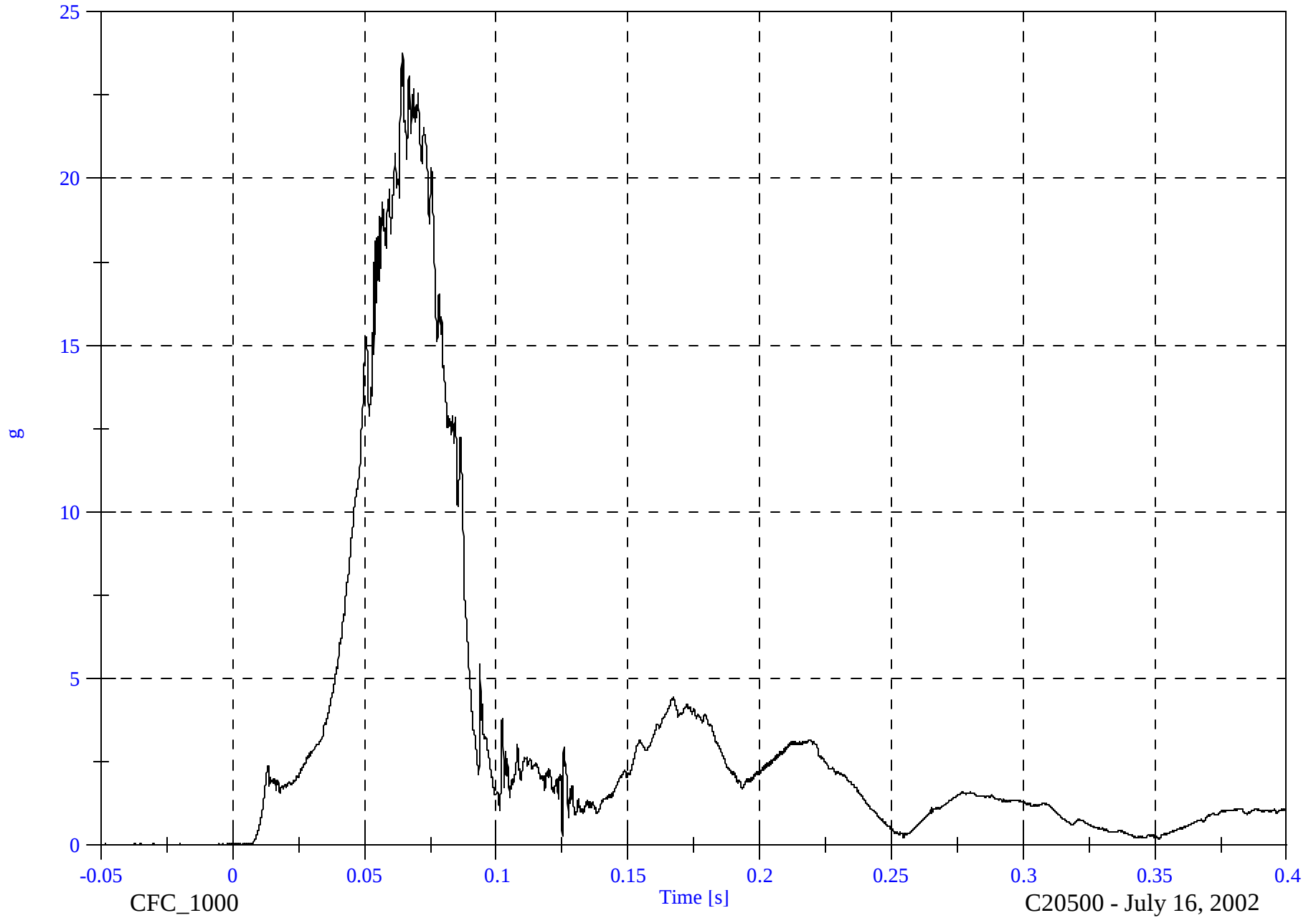
P1 Pelvic Resultant

Max: 23.8 [g] at 0.065 [s]

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

B-39

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

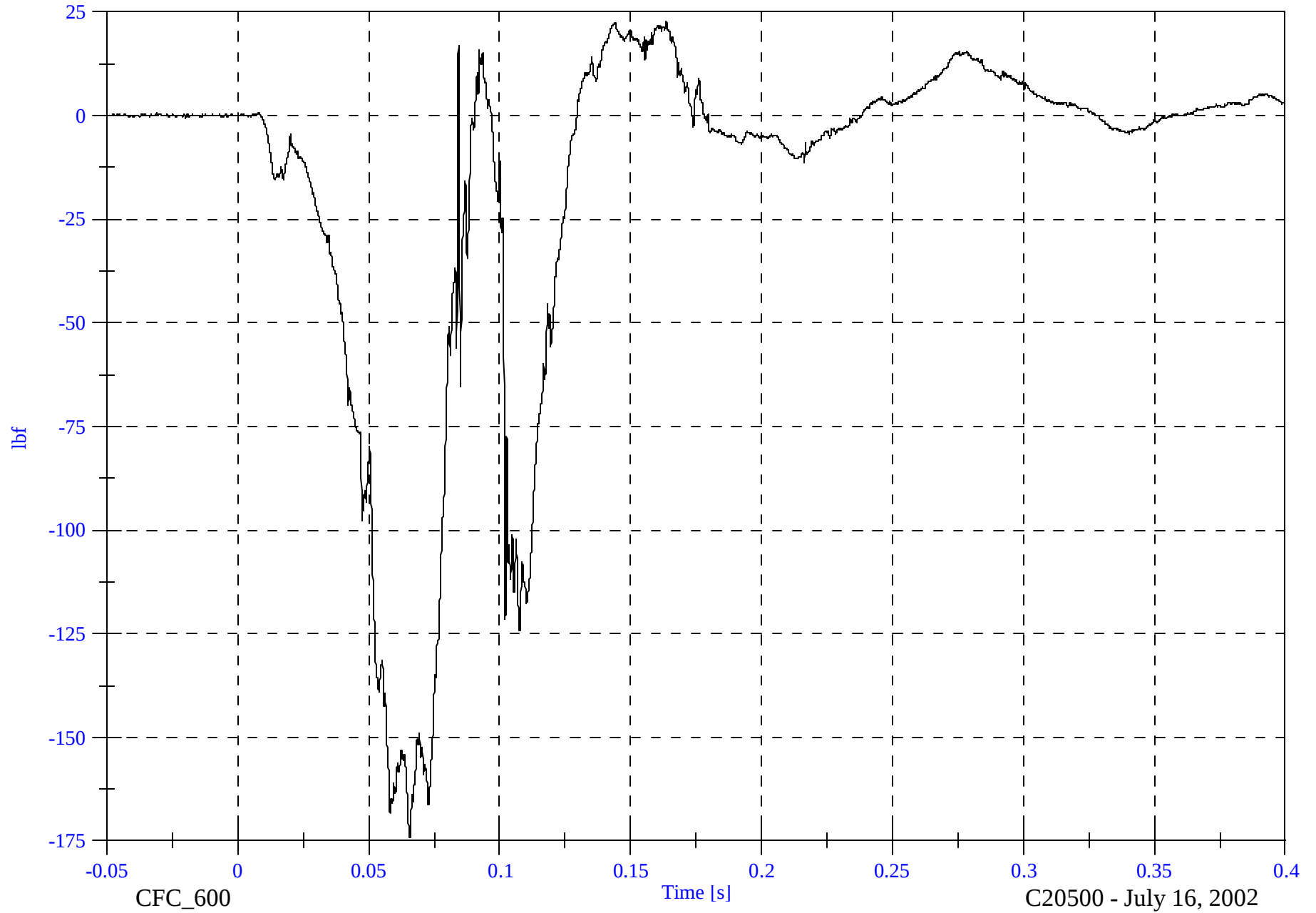
P1 Left Femur

Max: 22.7 [lbf] at 0.164 [s]

Min: -174.3 [lbf] at 0.066 [s]

B-40

8655-F301-04



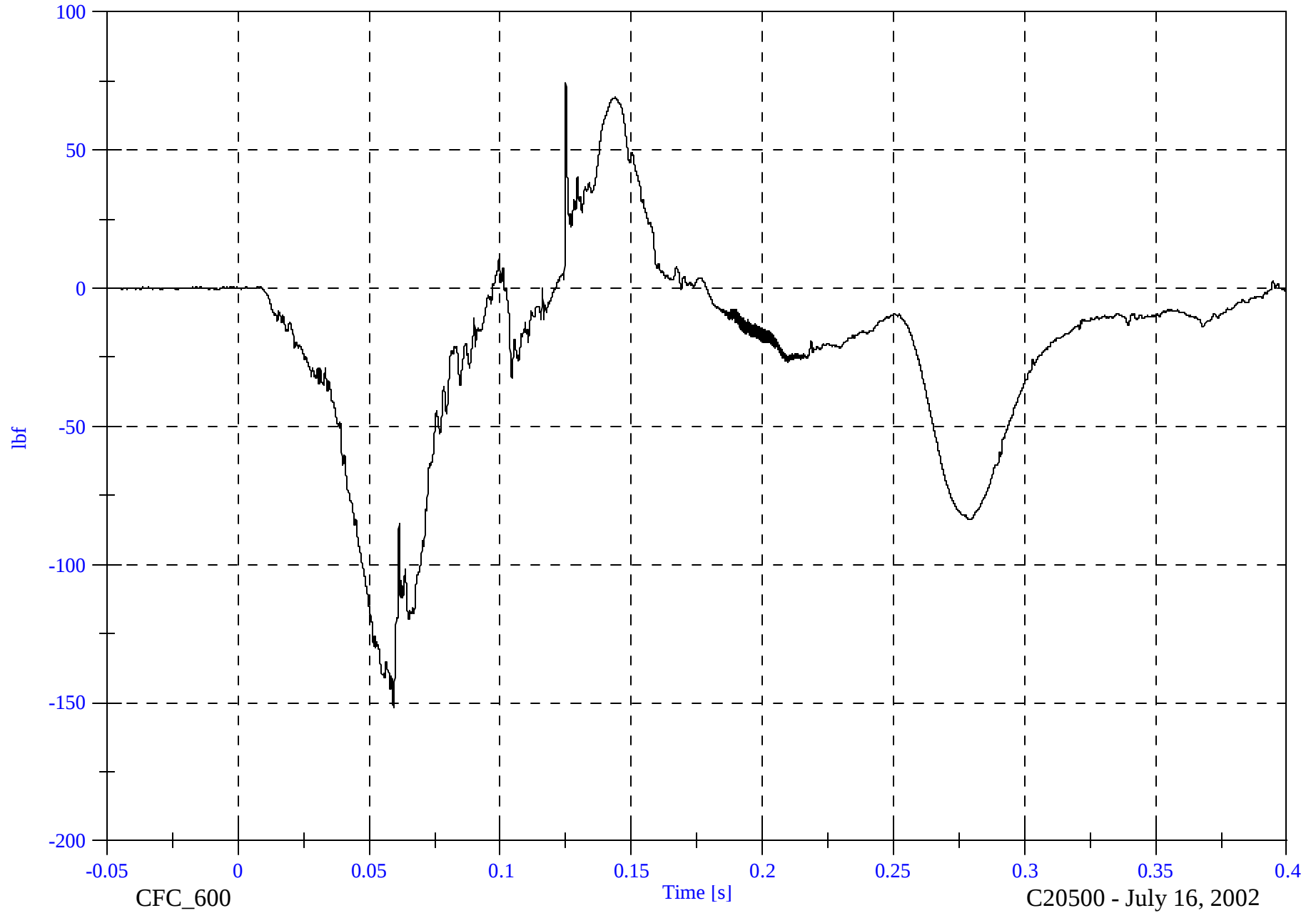
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P1 Right Femur

Max: 74.5 [lbf] at 0.125 [s]  
Min: -151.7 [lbf] at 0.059 [s]

B-41

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

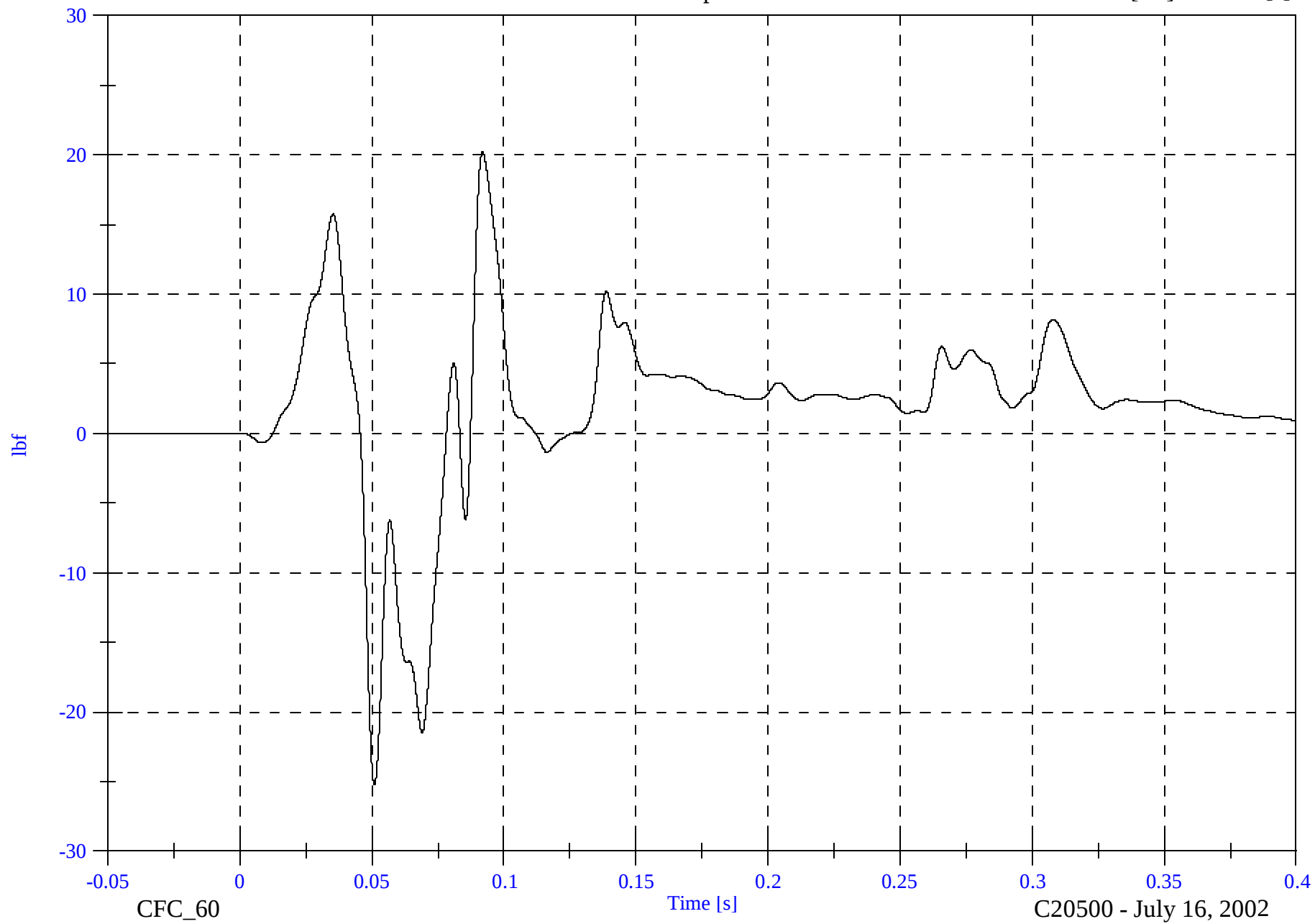
P1 Lap Belt

Max: 20.2 [lbf] at 0.092 [s]

Min: -25.2 [lbf] at 0.051 [s]

B-42

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P1 Belt Spoolout

Max: 0.0 [in] at 0.010 [s]

Min: -5.5 [in] at 0.400 [s]



B-43

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CFC\_180

Time [s]

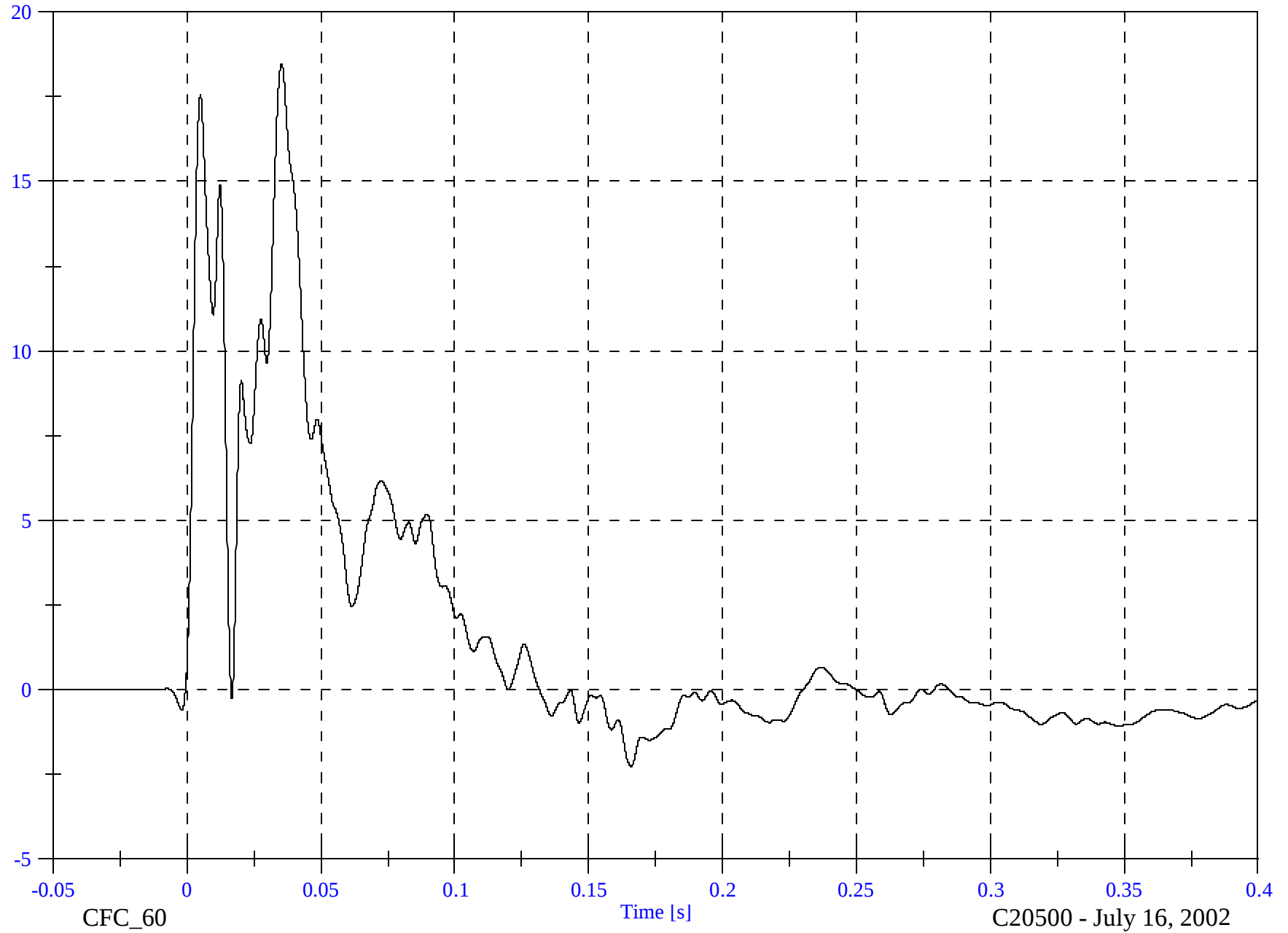
C20500 - July 16, 2002

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Left X Member x

Max: 18.5 [g] at 0.035 [s]

Min: -2.3 [g] at 0.166 [s]



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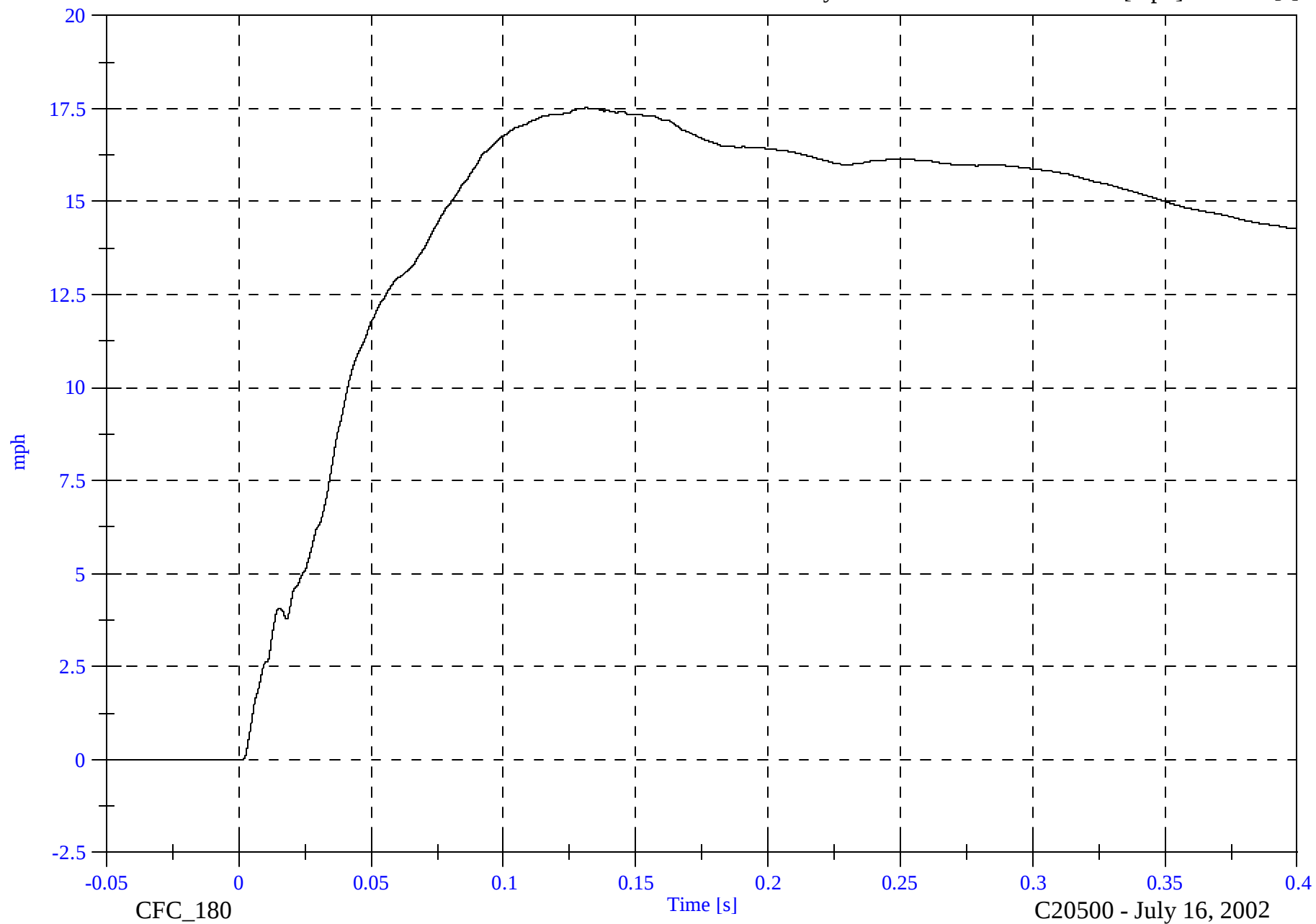
Left X Member x Velocity

Max: 17.5 [mph] at 0.131 [s]

Min: -0.0 [mph] at 0.001 [s]

B-45

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

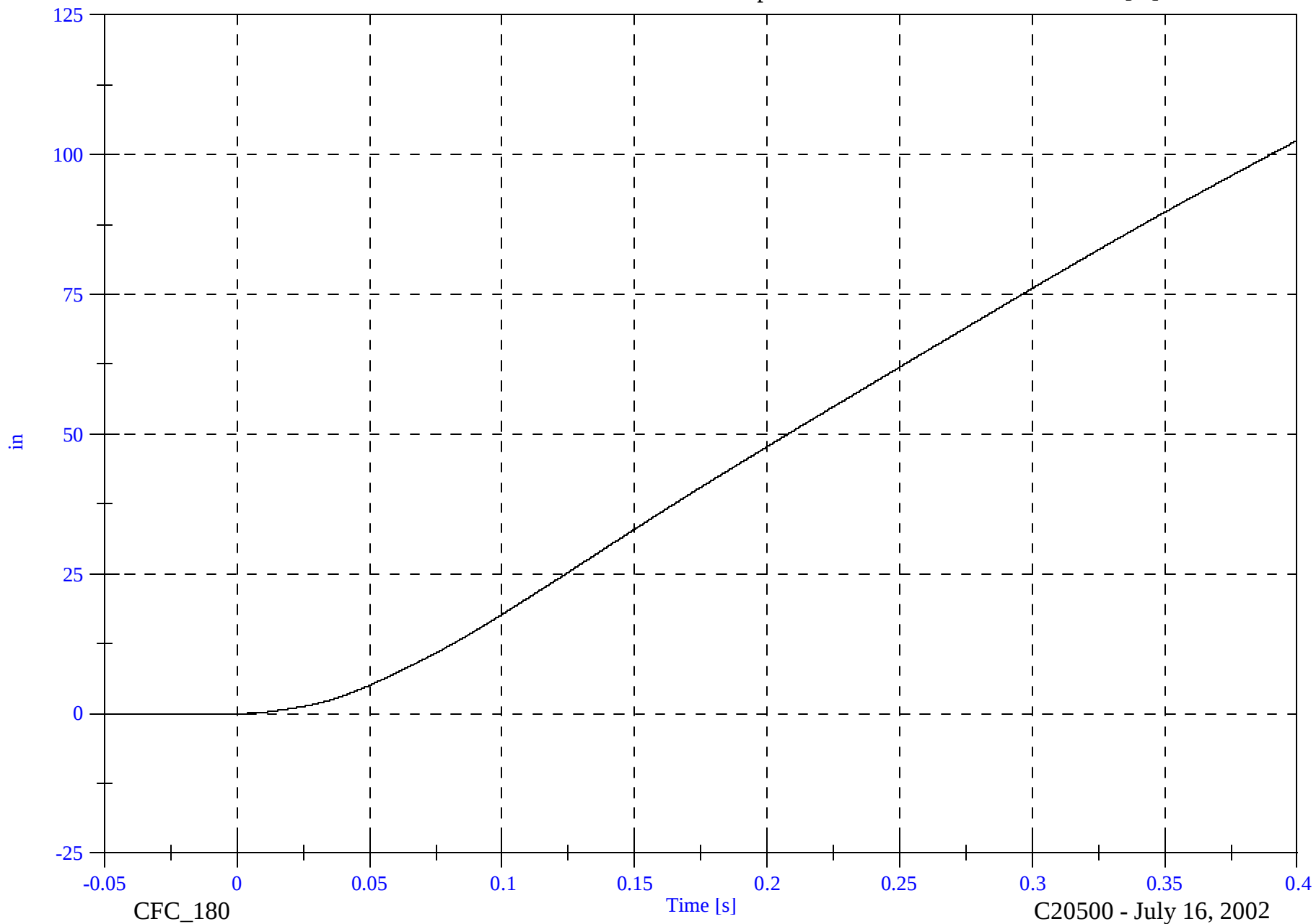
Left X Member x Displacement

Max: 102.5 [in] at 0.400 [s]

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

B-46

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

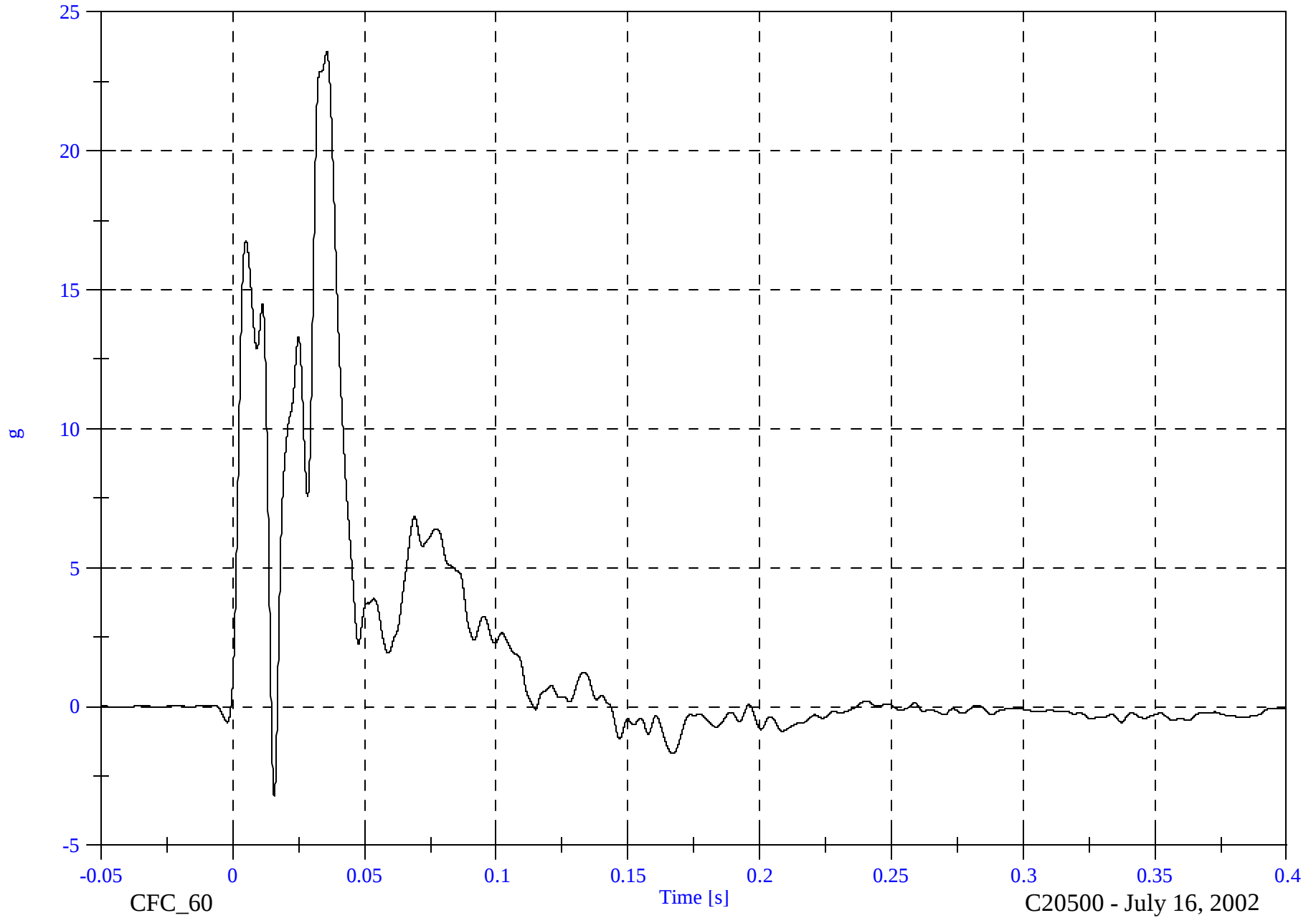
Right X Member x

Max: 23.6 [g] at 0.036 [s]

Min: -3.2 [g] at 0.016 [s]

B-47

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

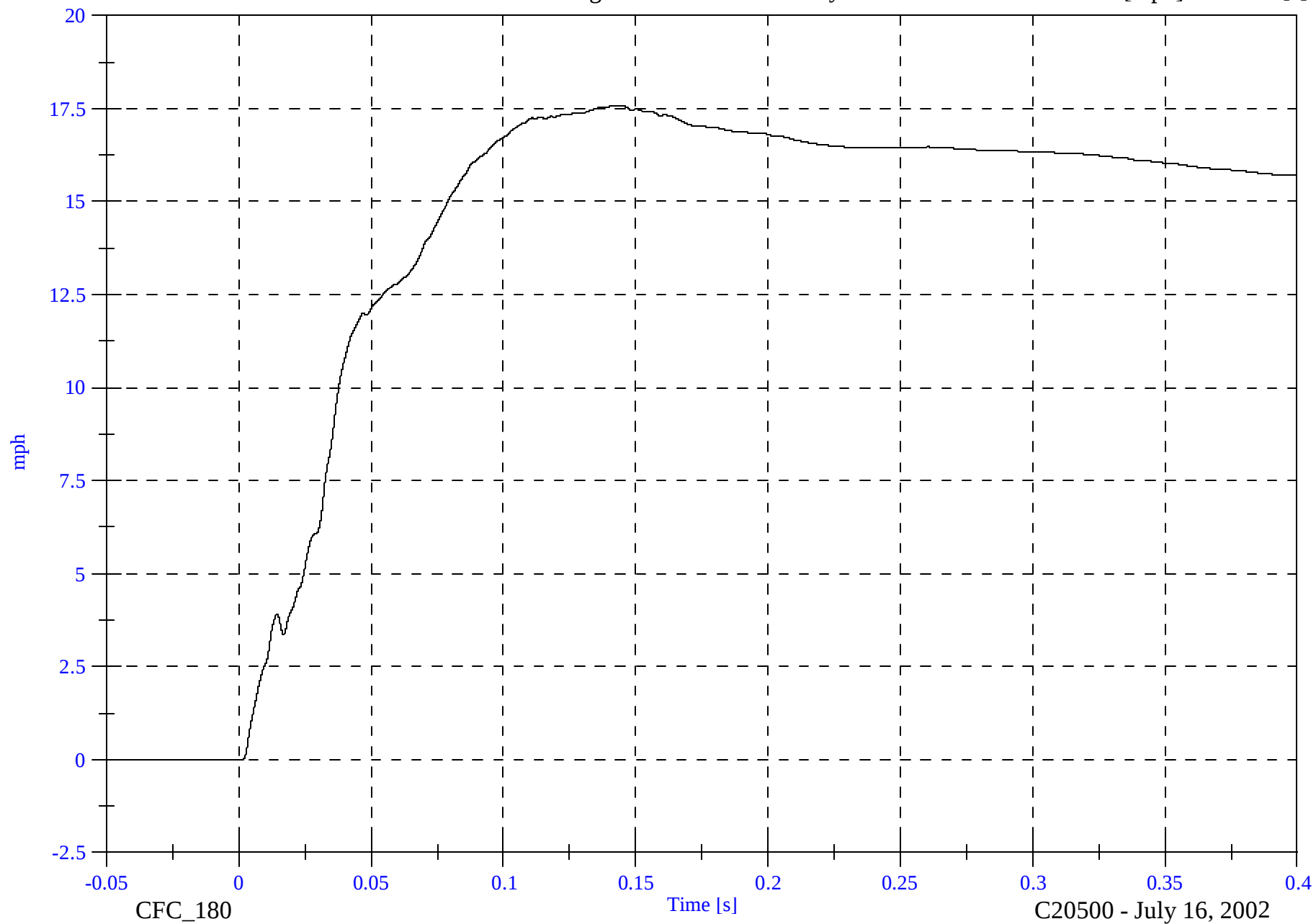
Right X Member x Velocity

Max: 17.6 [mph] at 0.145 [s]

Min: -0.0 [mph] at -0.038 [s]

B-48

8655-F301-04



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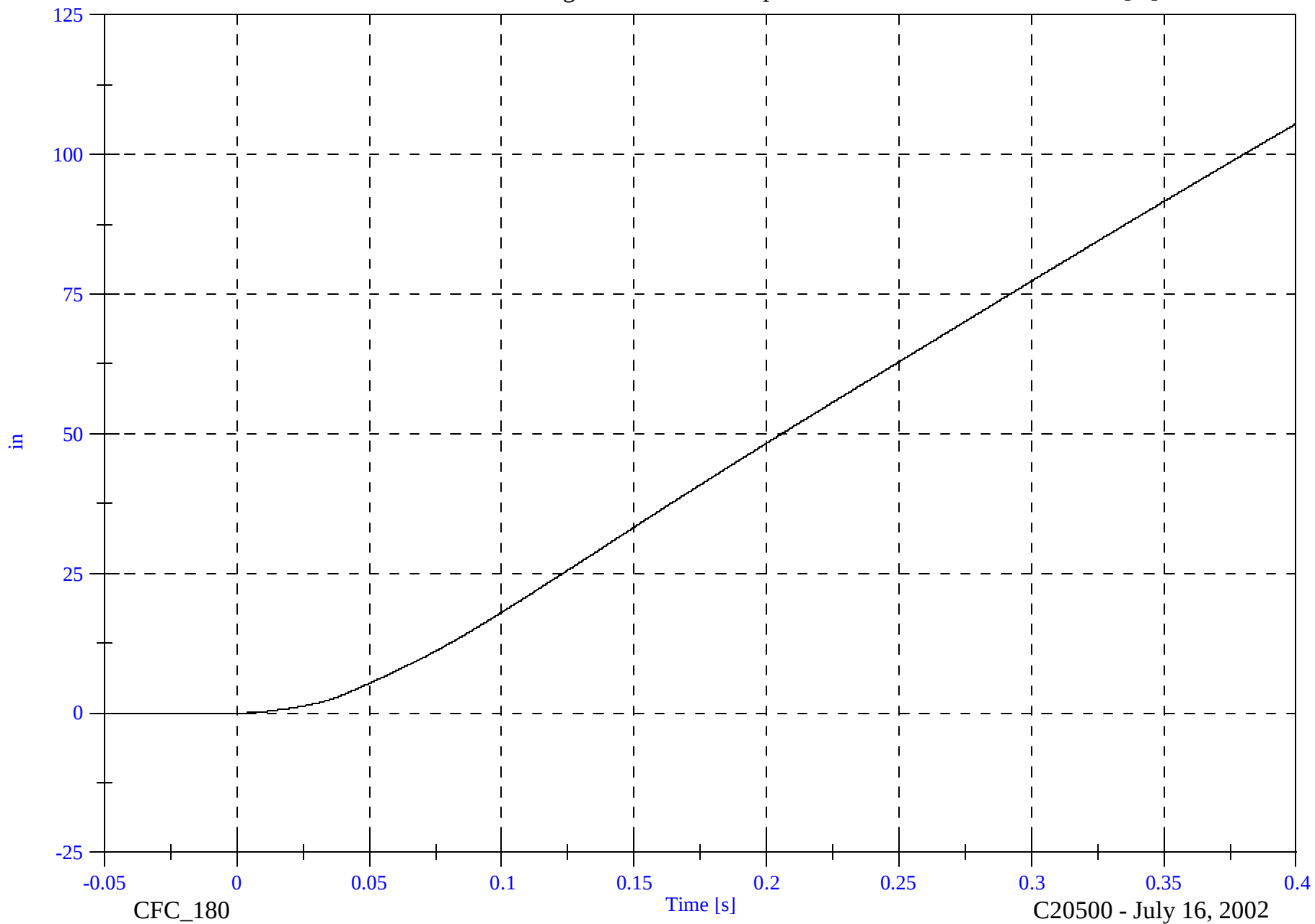
Right X Member x Displacement

Max: 105.5 [in] at 0.400 [s]

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

B-49

8655-F301-04



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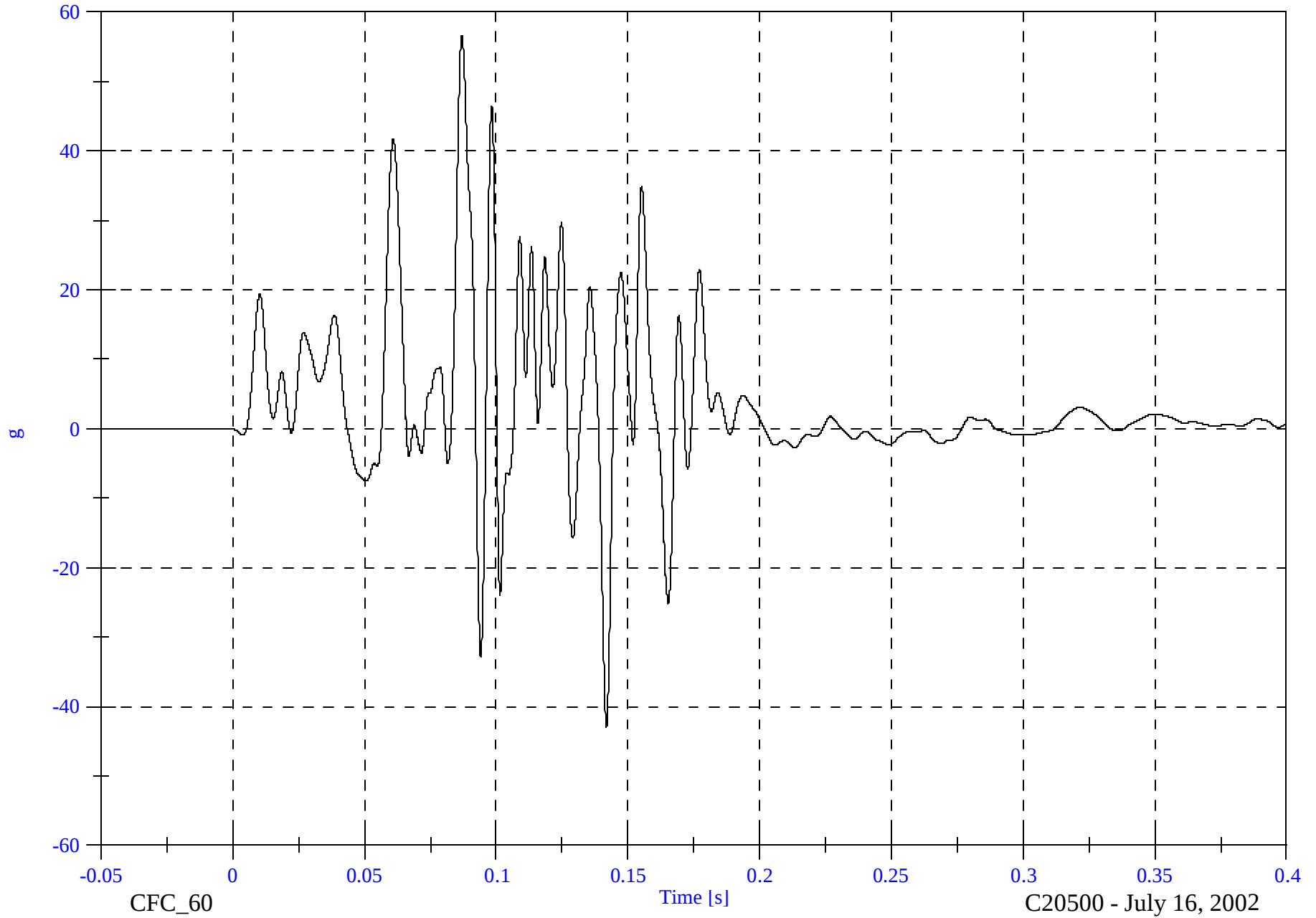
P1 Left Seatback Rail Upper x

Max: 56.6 [g] at 0.087 [s]

Min: -42.9 [g] at 0.142 [s]

B-50

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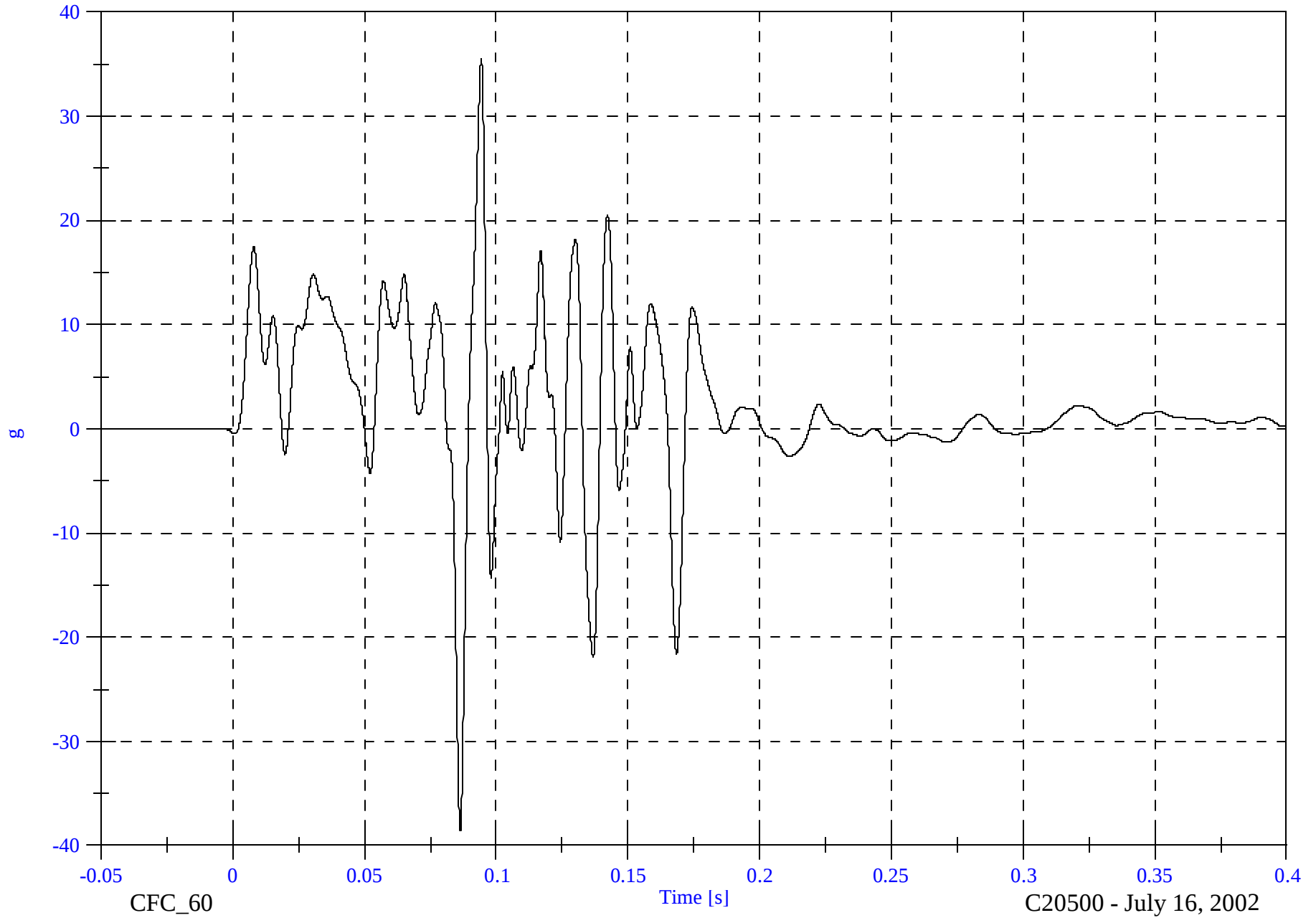
P1 Left Seatback Rail Lower x

Max: 35.5 [g] at 0.094 [s]

Min: -38.6 [g] at 0.086 [s]

B-51

8655-F301-04

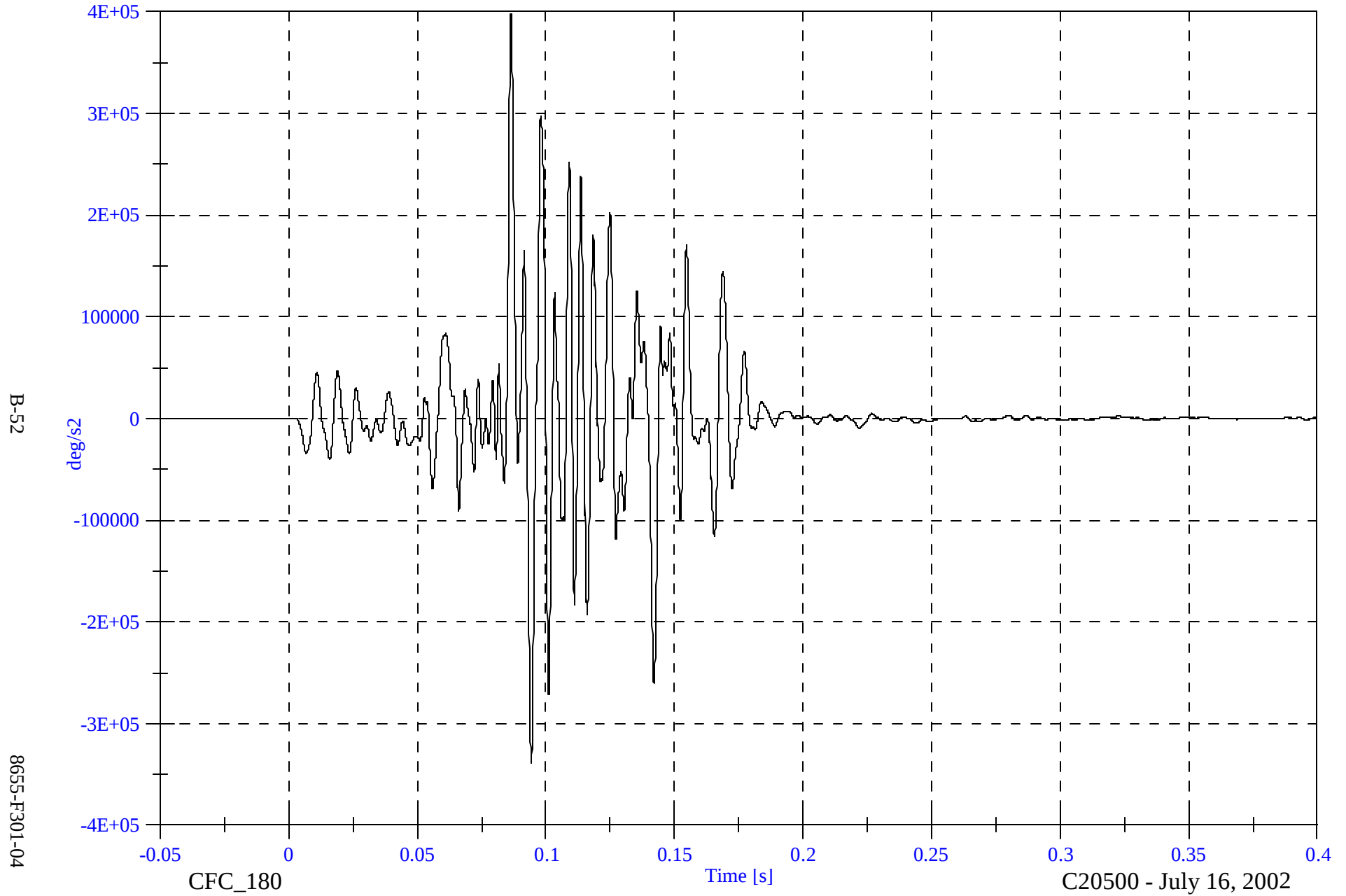


2002 301 Test 4 2002 Hyundai Accent

P1 Left Seatback Rail Angular Acceleration

Max: 398044.6 [deg/s<sup>2</sup>] at 0.086 [s]

Min: -338608.6 [deg/s<sup>2</sup>] at 0.094 [s]



2002 301 Test 4 2002 Hyundai Accent

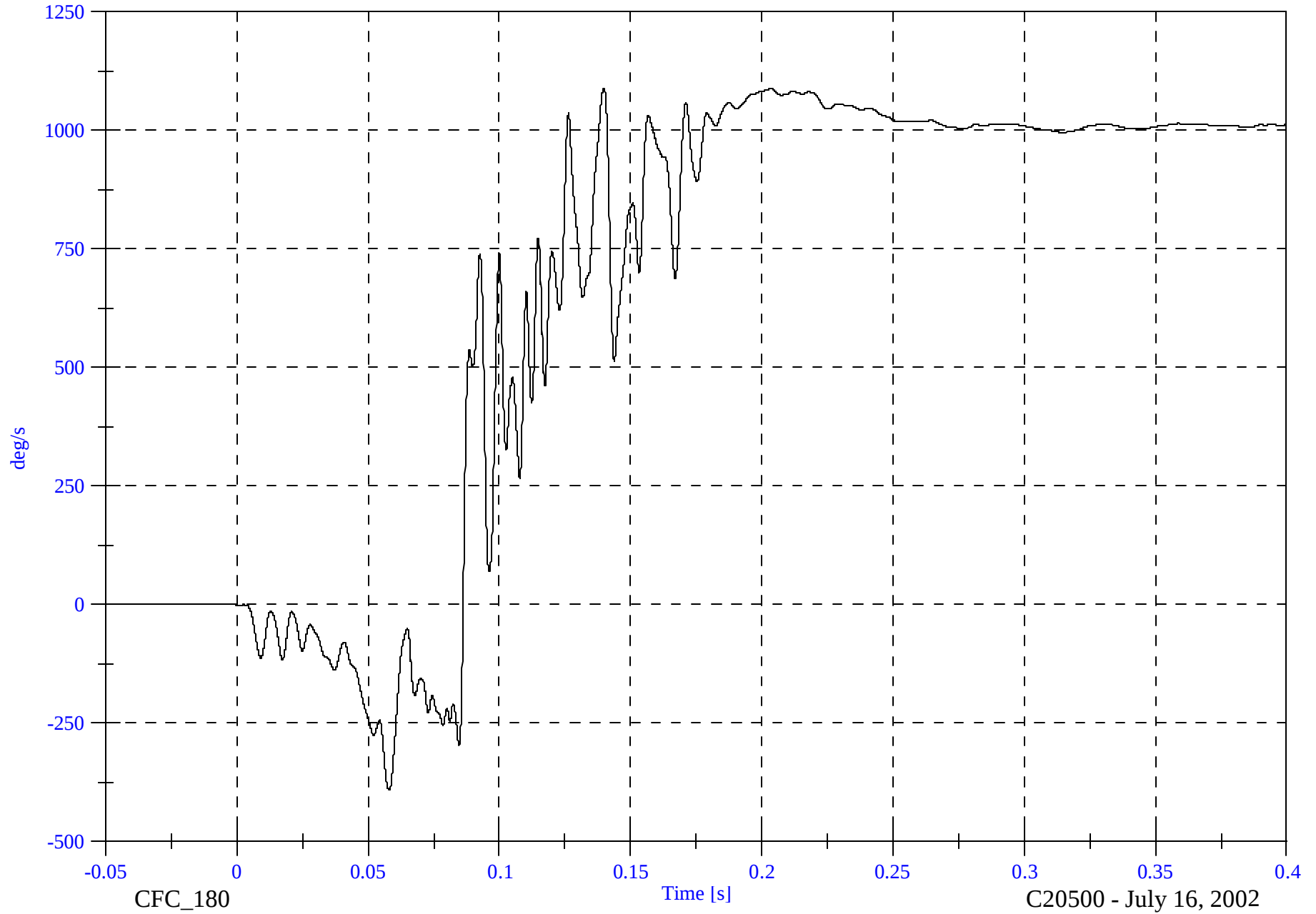
P1 Left Seatback Rail Angular Velocity

Max: 1089.2 [deg/s] at 0.140 [s]

Min: -391.0 [deg/s] at 0.058 [s]

B-53

8655-F301-04

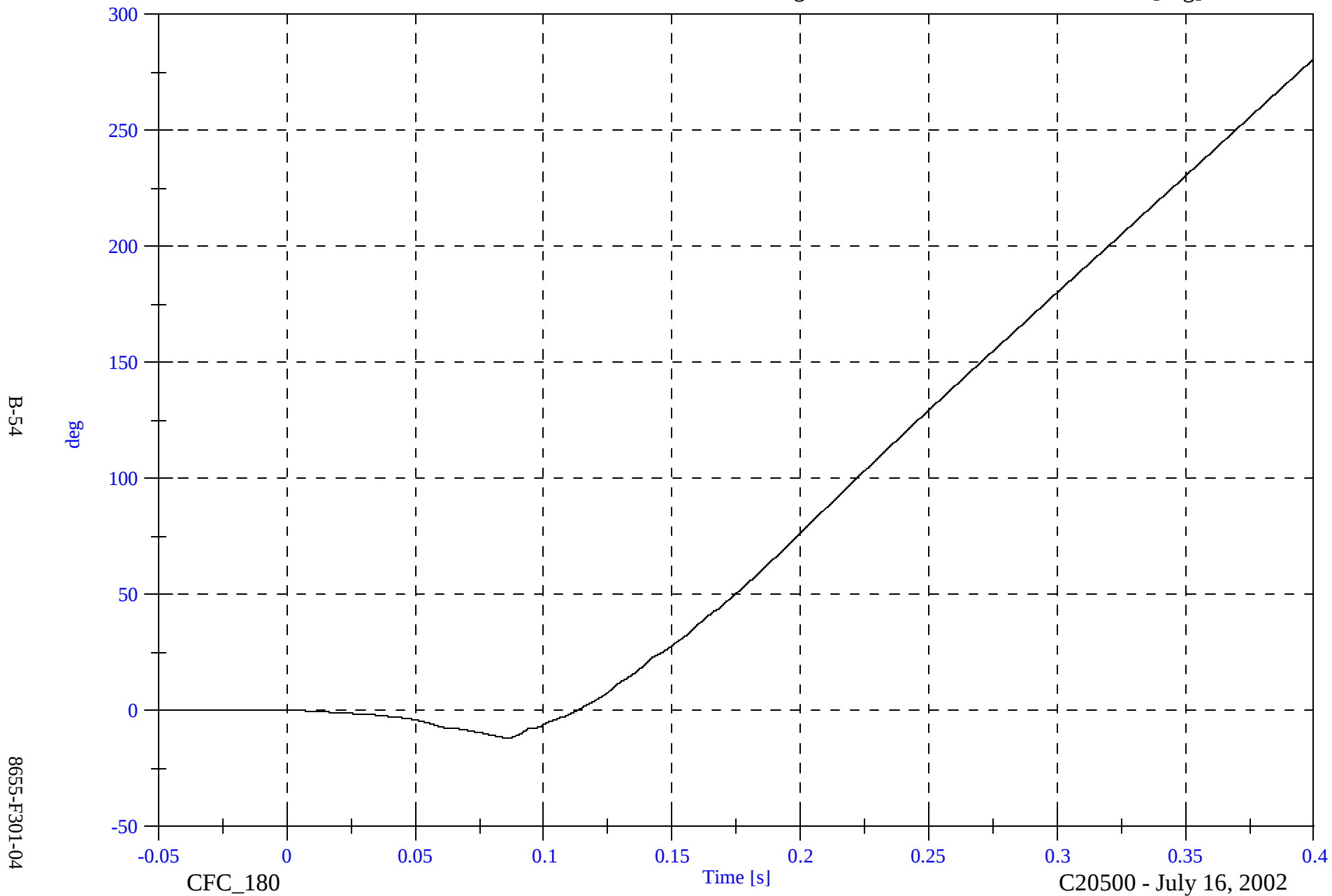


2002 301 Test 4 2002 Hyundai Accent

Max: 280.8 [deg] at 0.400 [s]

P1 Left Seatback Rail Angular Position

Min: -12.0 [deg] at 0.086 [s]



2002 301 Test 4 2002 Hyundai Accent

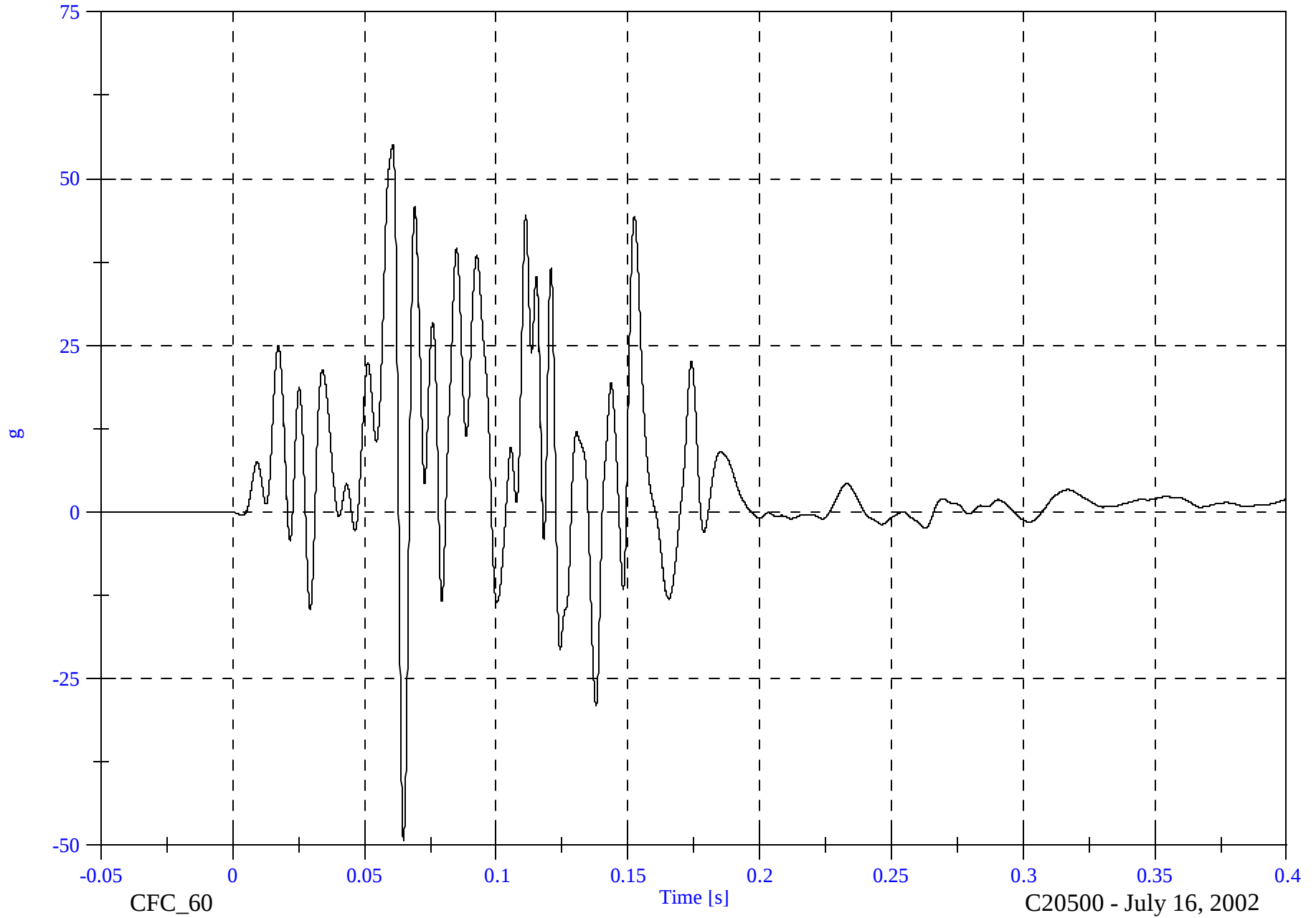
P1 Right Seatback Rail Upper x

Max: 55.1 [g] at 0.061 [s]

Min: -49.2 [g] at 0.065 [s]

B-55

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

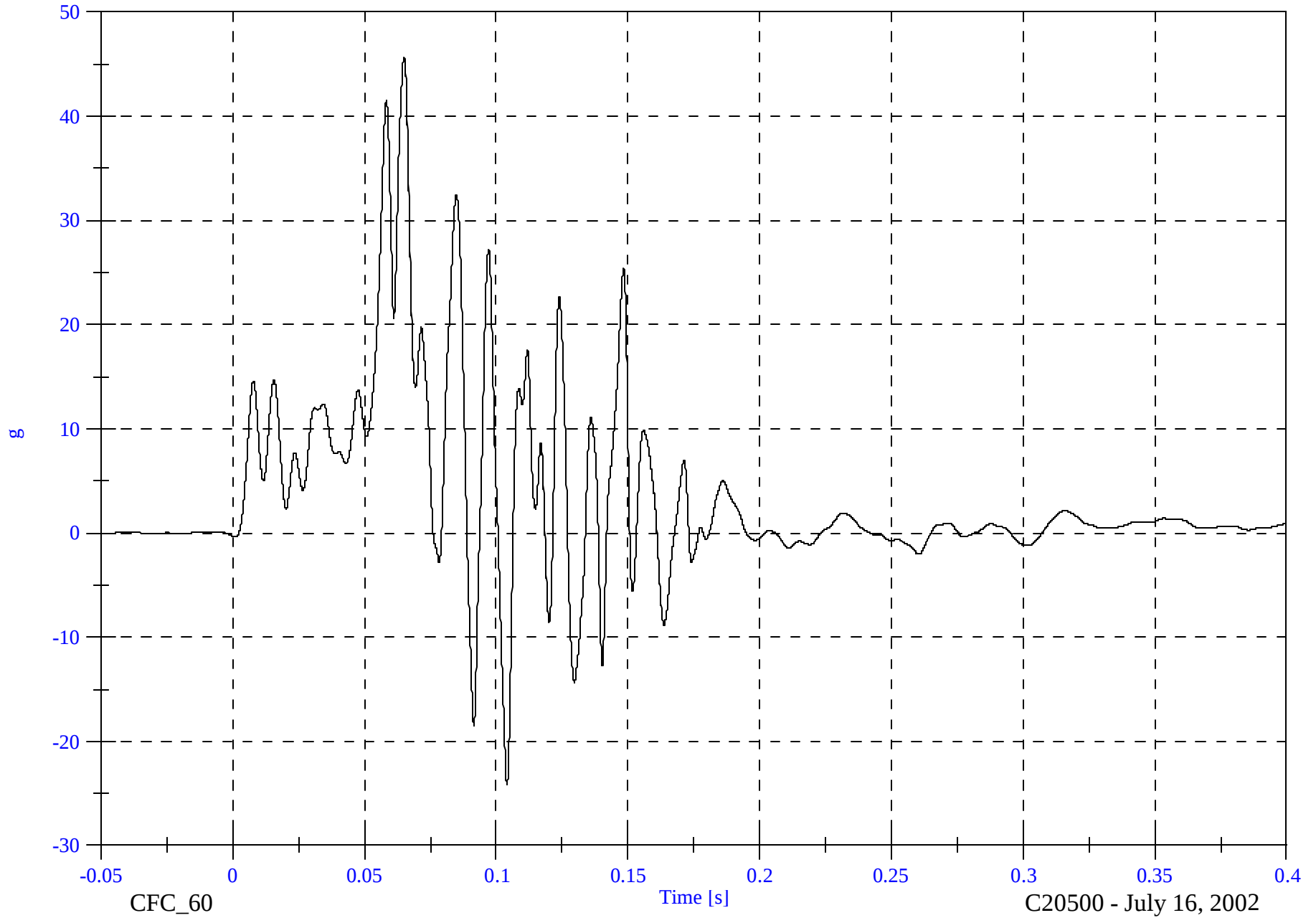
P1 Right Seatback Rail Lower x

Max: 45.7 [g] at 0.065 [s]

Min: -24.2 [g] at 0.104 [s]

B-56

8655-F301-04

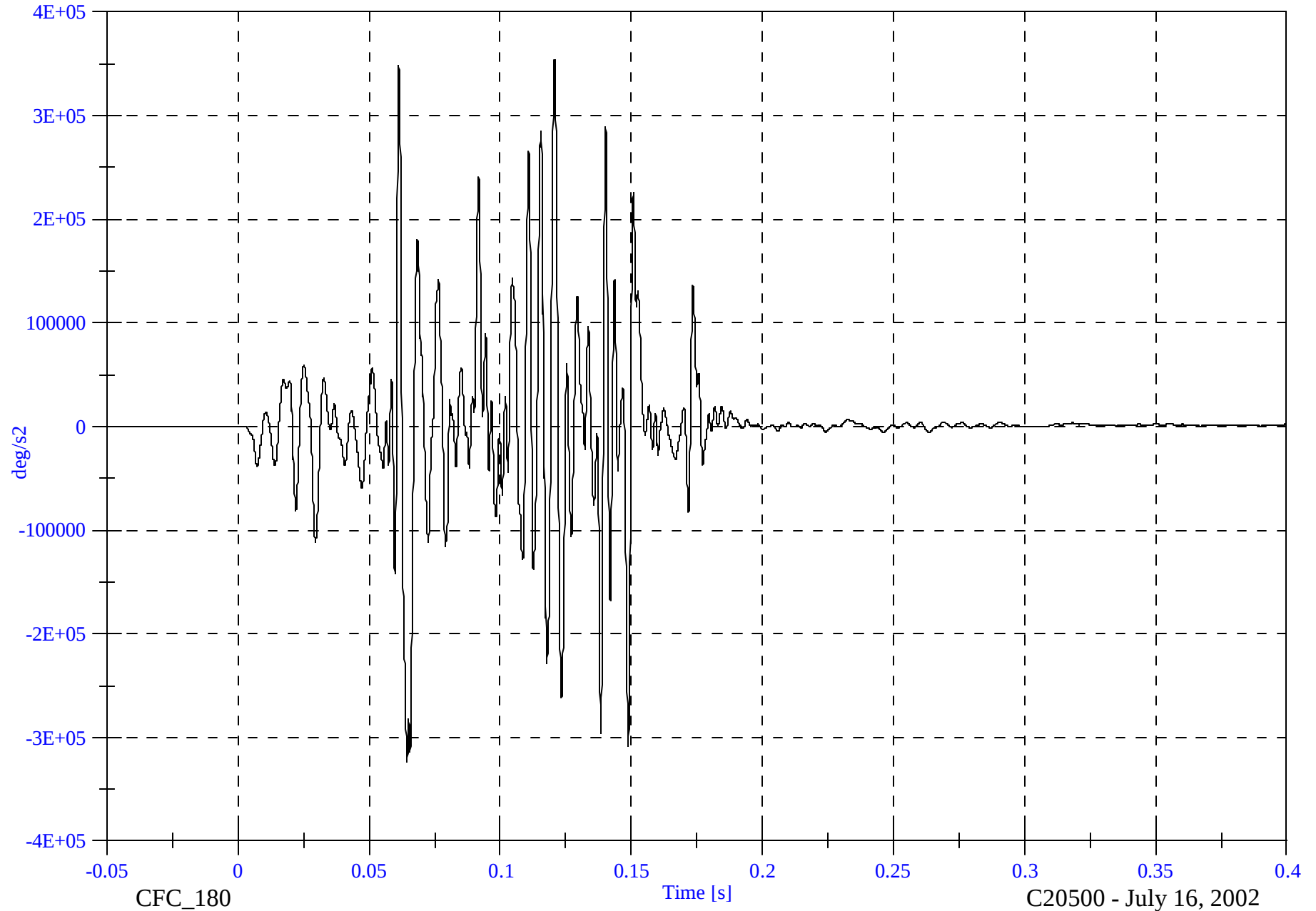


2002 301 Test 4 2002 Hyundai Accent

P1 Right Seatback Rail Angular Acceleration

Max: 353477.8 [deg/s<sup>2</sup>] at 0.121 [s]

Min: -323946.0 [deg/s<sup>2</sup>] at 0.064 [s]



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CFC\_180

Time [s]

C20500 - July 16, 2002

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P1 Right Seatback Rail Angular Velocity

Max: 790.0 [deg/s] at 0.400 [s]

Min: -900.1 [deg/s] at 0.067 [s]

B-58

8655-F301-04

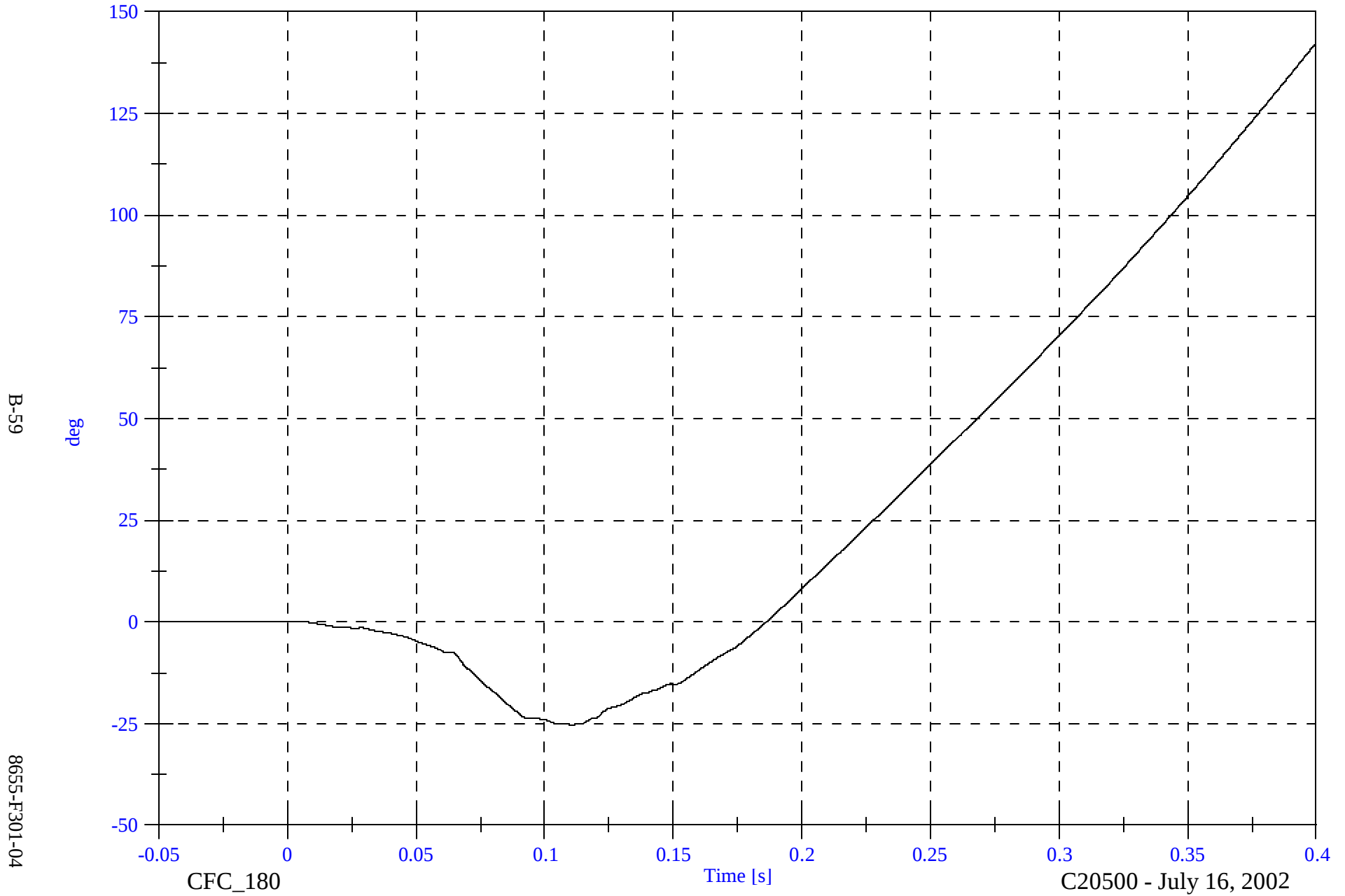


2002 301 Test 4 2002 Hyundai Accent

P1 Right Seatback Rail Angular Position

Max: 142.3 [deg] at 0.400 [s]

Min: -25.4 [deg] at 0.111 [s]



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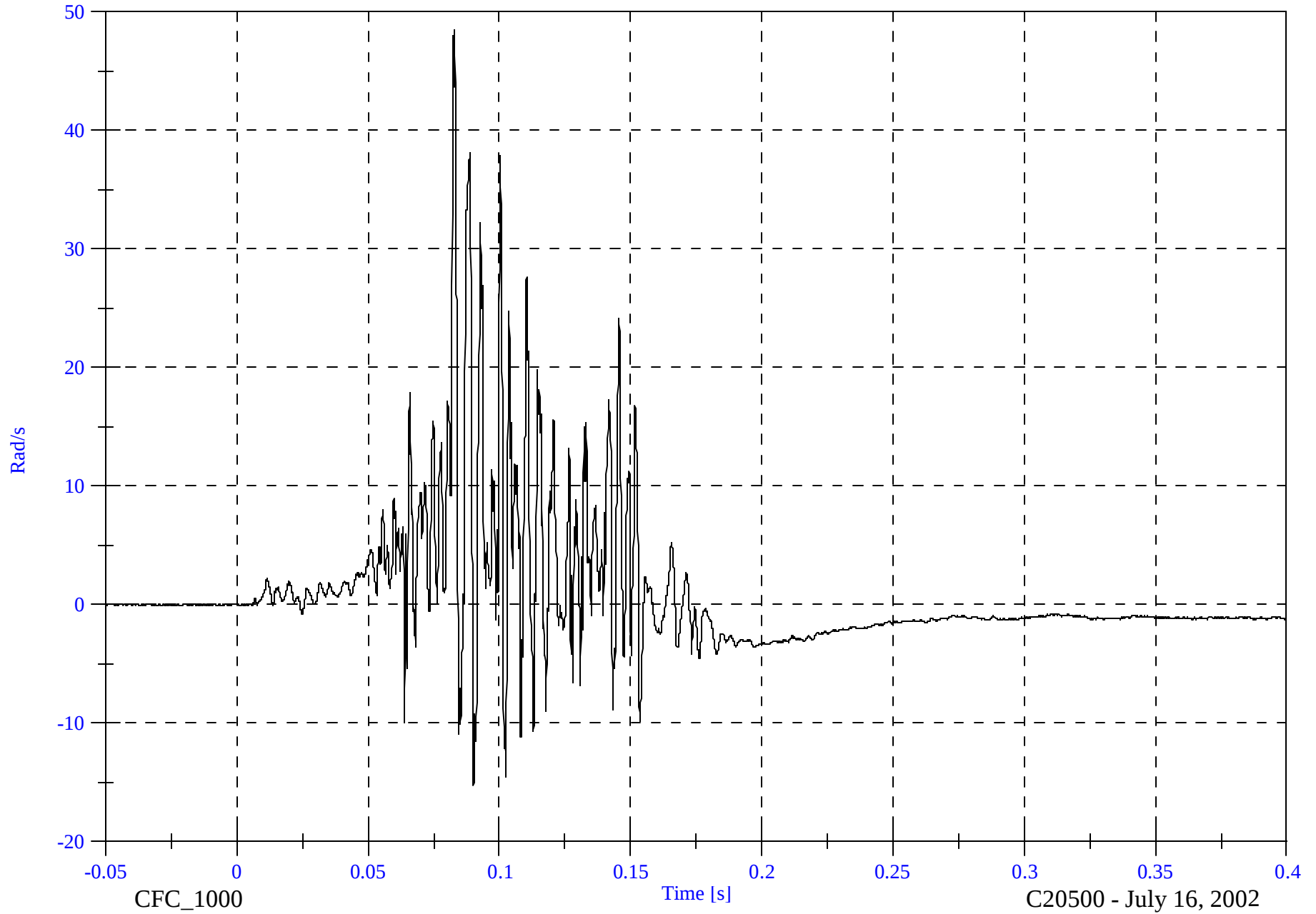
P1 Left Seatback Rail Angular Velocity

Max: 48.5 [Rad/s] at 0.083 [s]

Min: -15.2 [Rad/s] at 0.090 [s]

B-60

8655-F301-04



2002 301 Test 4 2002 Hyundai Accent

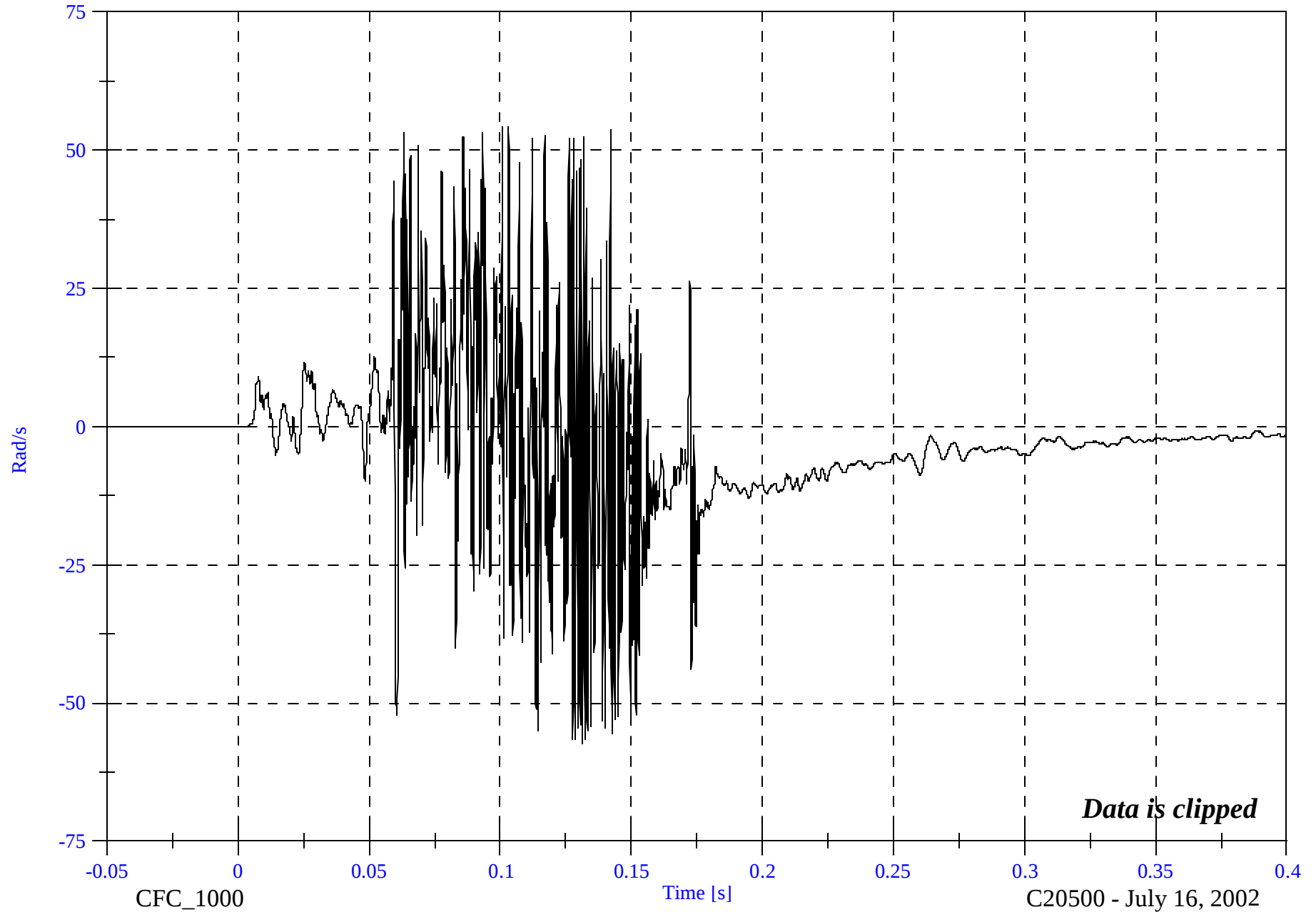
P1 Right Seatback Rail Angular Velocity

Max: 54.1 [Rad/s] at 0.103 [s]

Min: -57.2 [Rad/s] at 0.131 [s]

B-61

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2002 301 Test 4 2002 Hyundai Accent

Left Sill Angular Velocity

Max: 3.5 [Rad/s] at 0.055 [s]

Min: -4.5 [Rad/s] at 0.054 [s]

