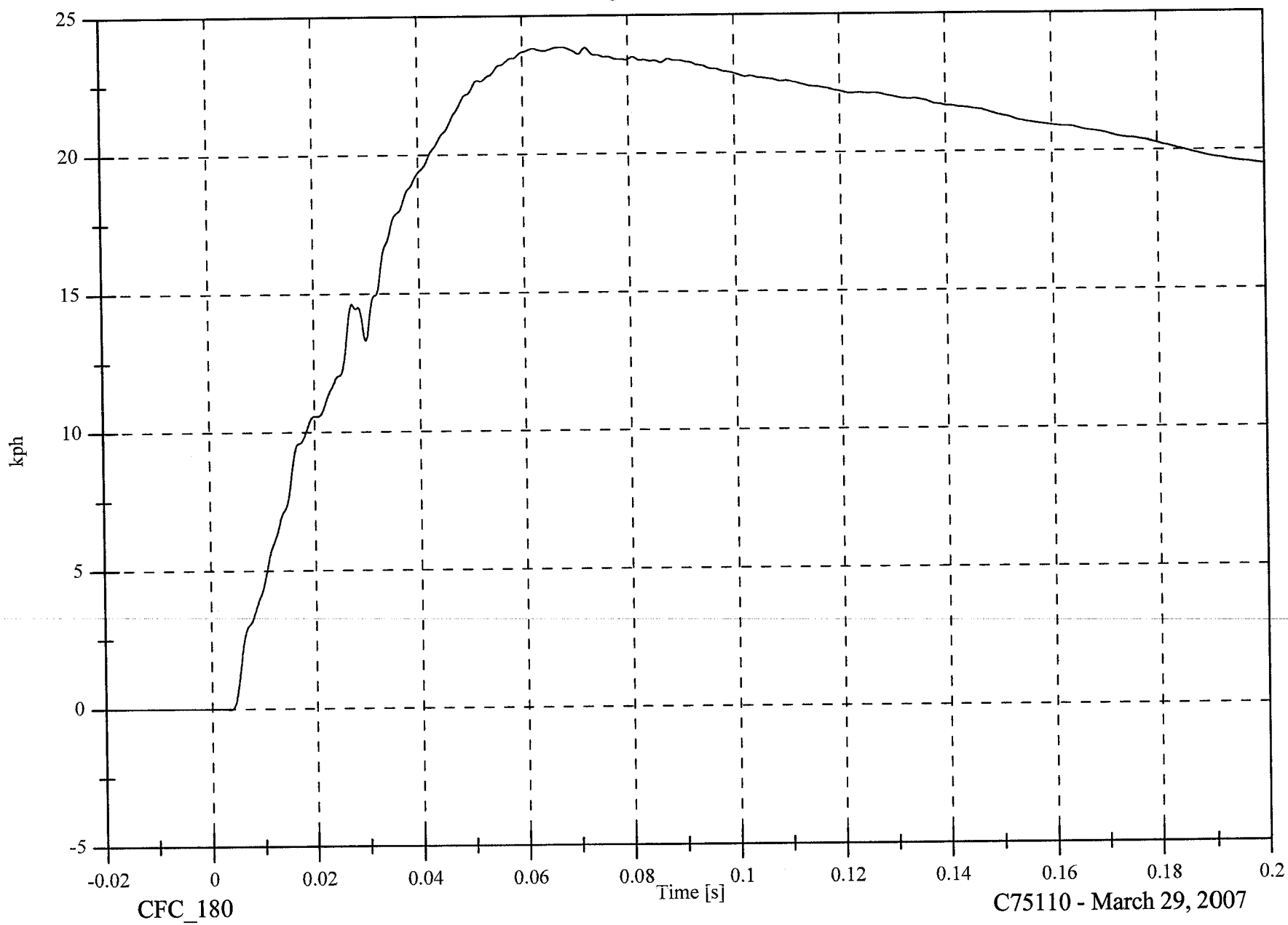


2007 214D Test 7 2007 Toyota Yaris

V2 A1 Right Front Sill Y Velocity

Max: 23.9 [kph] at 0.067 [s]

Min: -0.0 [kph] at 0.003 [s]



B-47

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

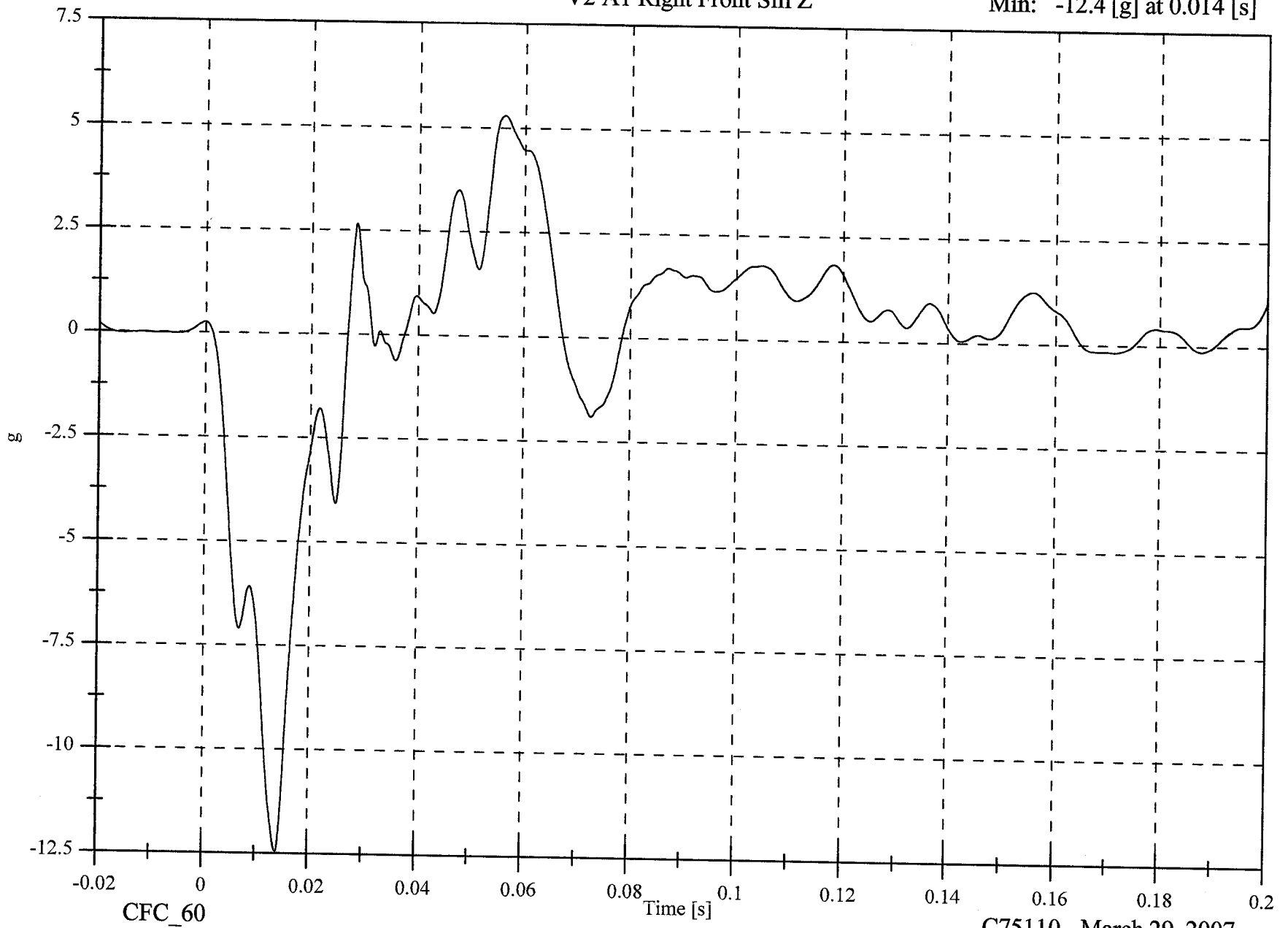
2007 214D Test 7 2007 Toyota Yaris

V2 A1 Right Front Sill Z

Max: 5.3 [g] at 0.056 [s]
Min: -12.4 [g] at 0.014 [s]

B-48

8675-F214-37



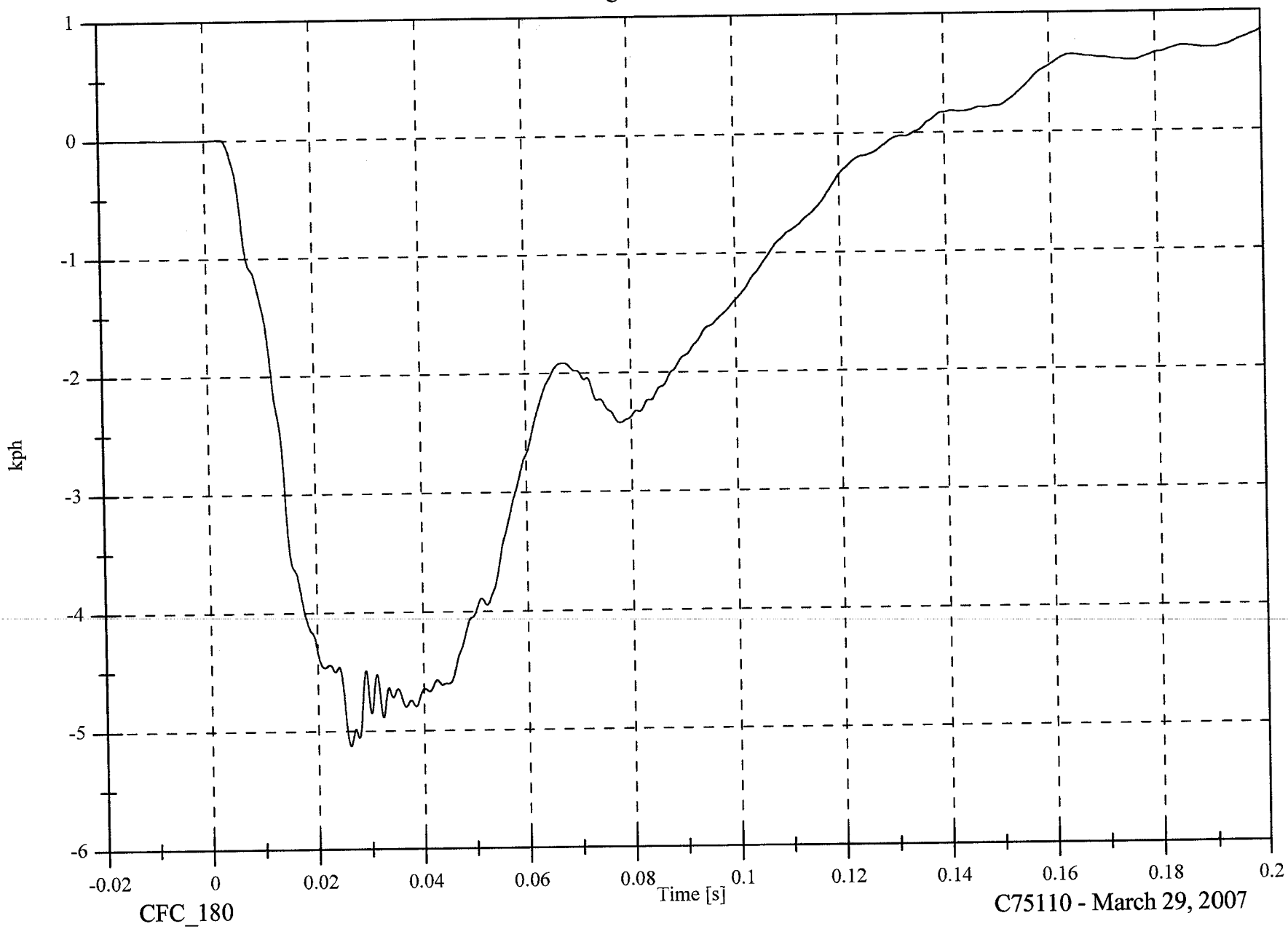
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A1 Right Front Sill Z Velocity

Max: 0.8 [kph] at 0.200 [s]

Min: -5.1 [kph] at 0.026 [s]



B-49

8675-F214-37

CFC_180

Time [s]

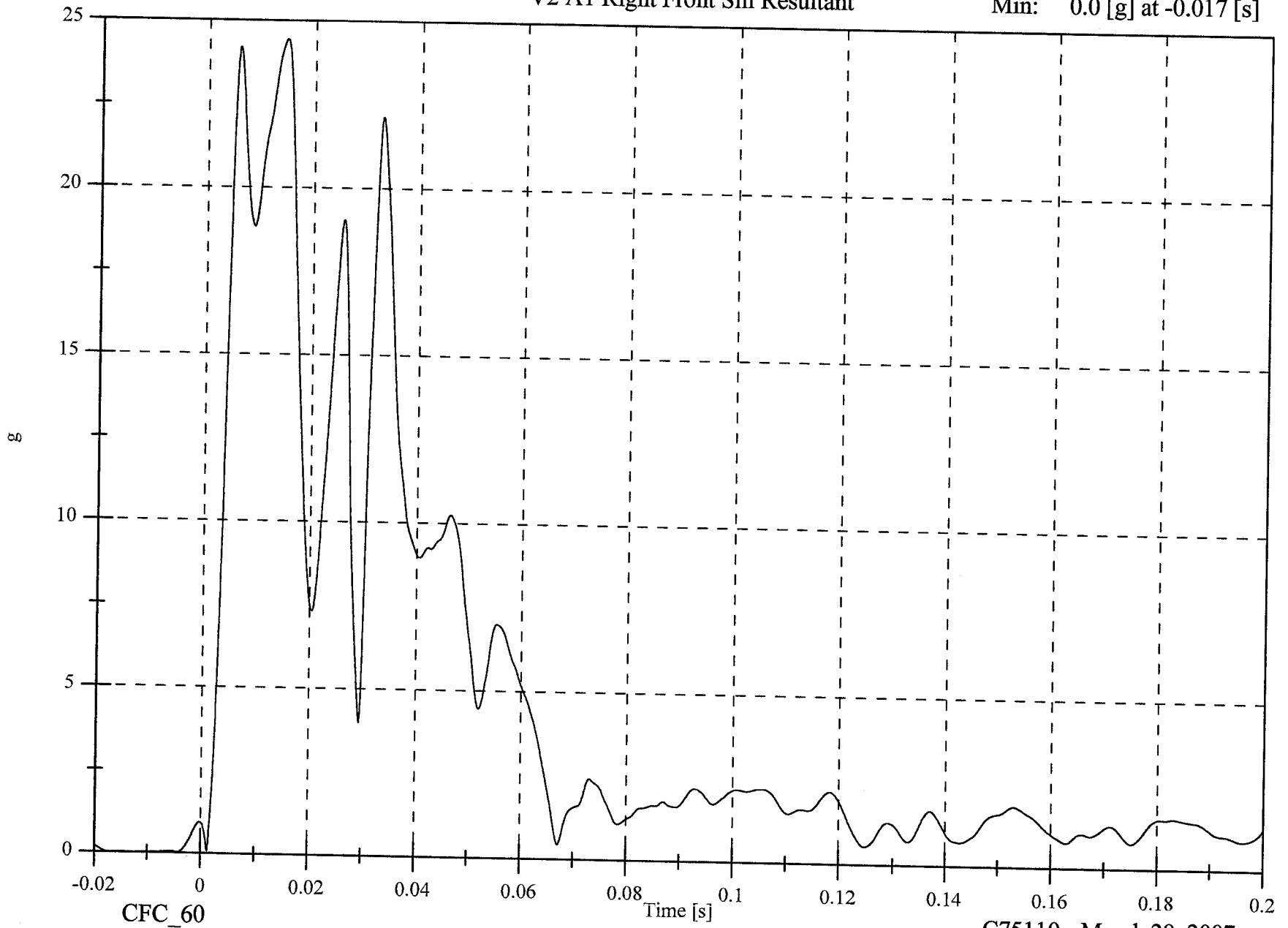
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A1 Right Front Sill Resultant

Max: 24.4 [g] at 0.015 [s]

Min: 0.0 [g] at -0.017 [s]



B-50

8675-F214-37

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

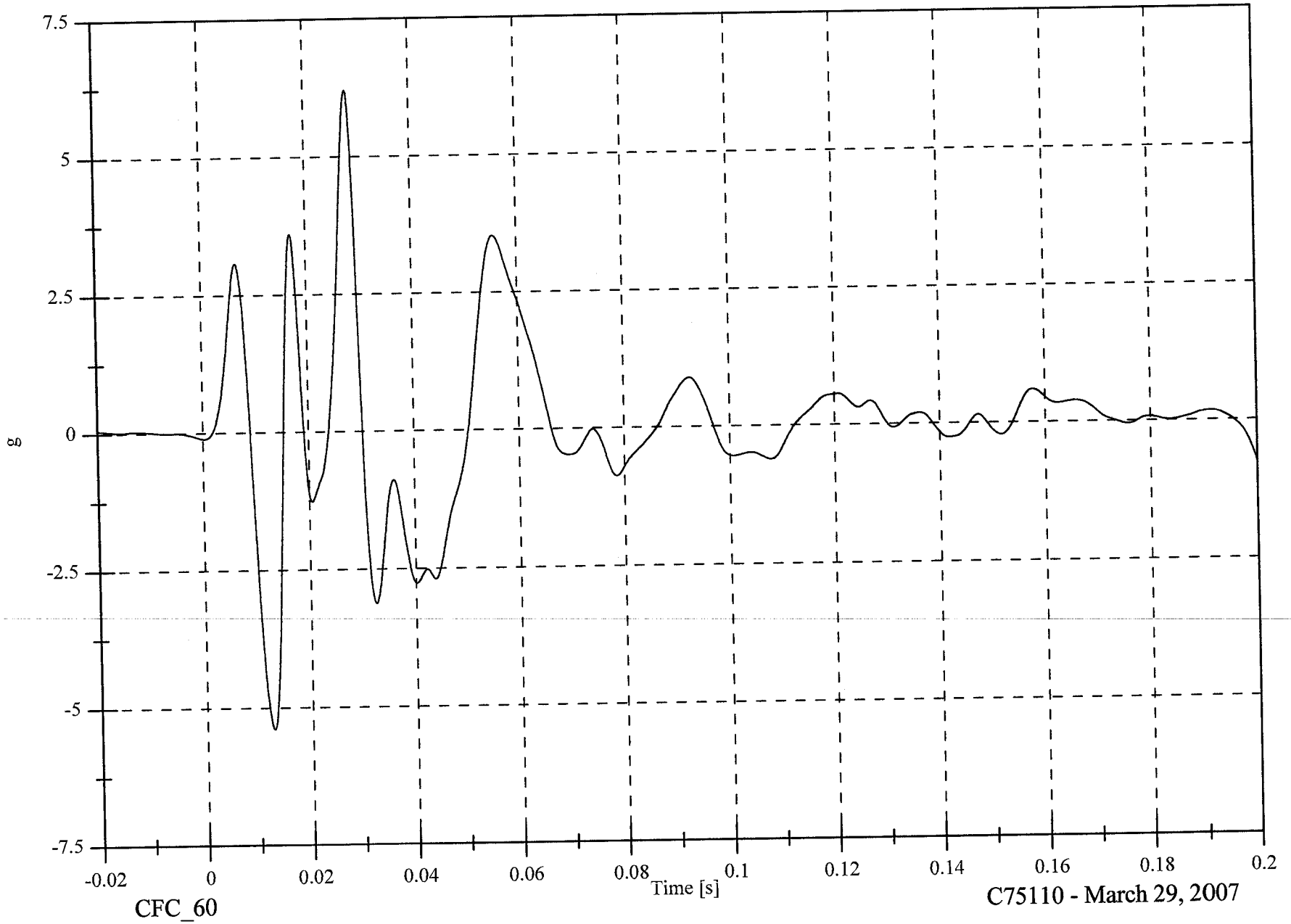
V2 A2 Right Rear Sill X

Max: 6.2 [g] at 0.028 [s]

Min: -5.4 [g] at 0.013 [s]

B-51

8675-F214-37

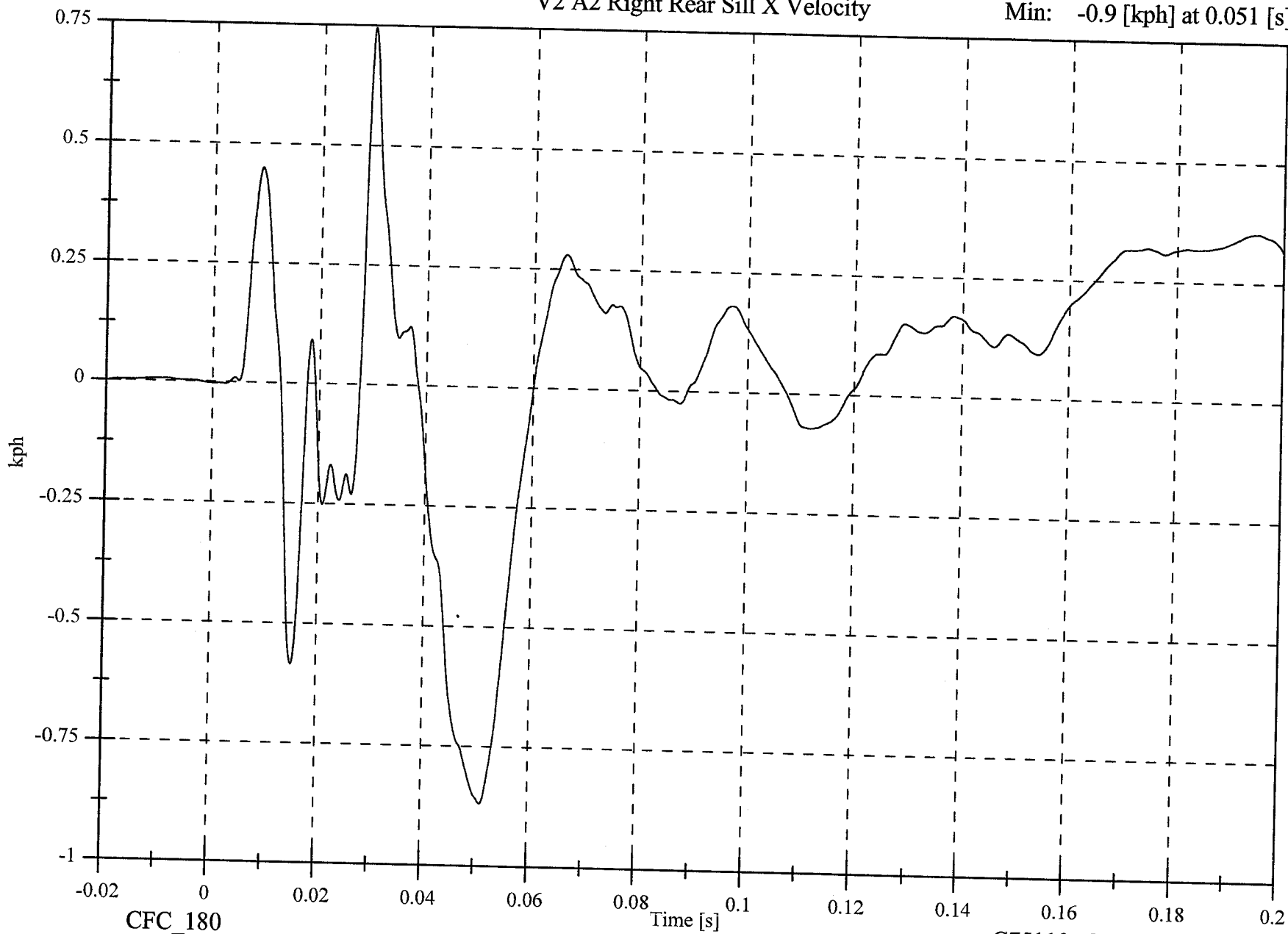


2007 214D Test 7 2007 Toyota Yaris

V2 A2 Right Rear Sill X Velocity

Max: 0.7 [kph] at 0.030 [s]

Min: -0.9 [kph] at 0.051 [s]



B-52

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

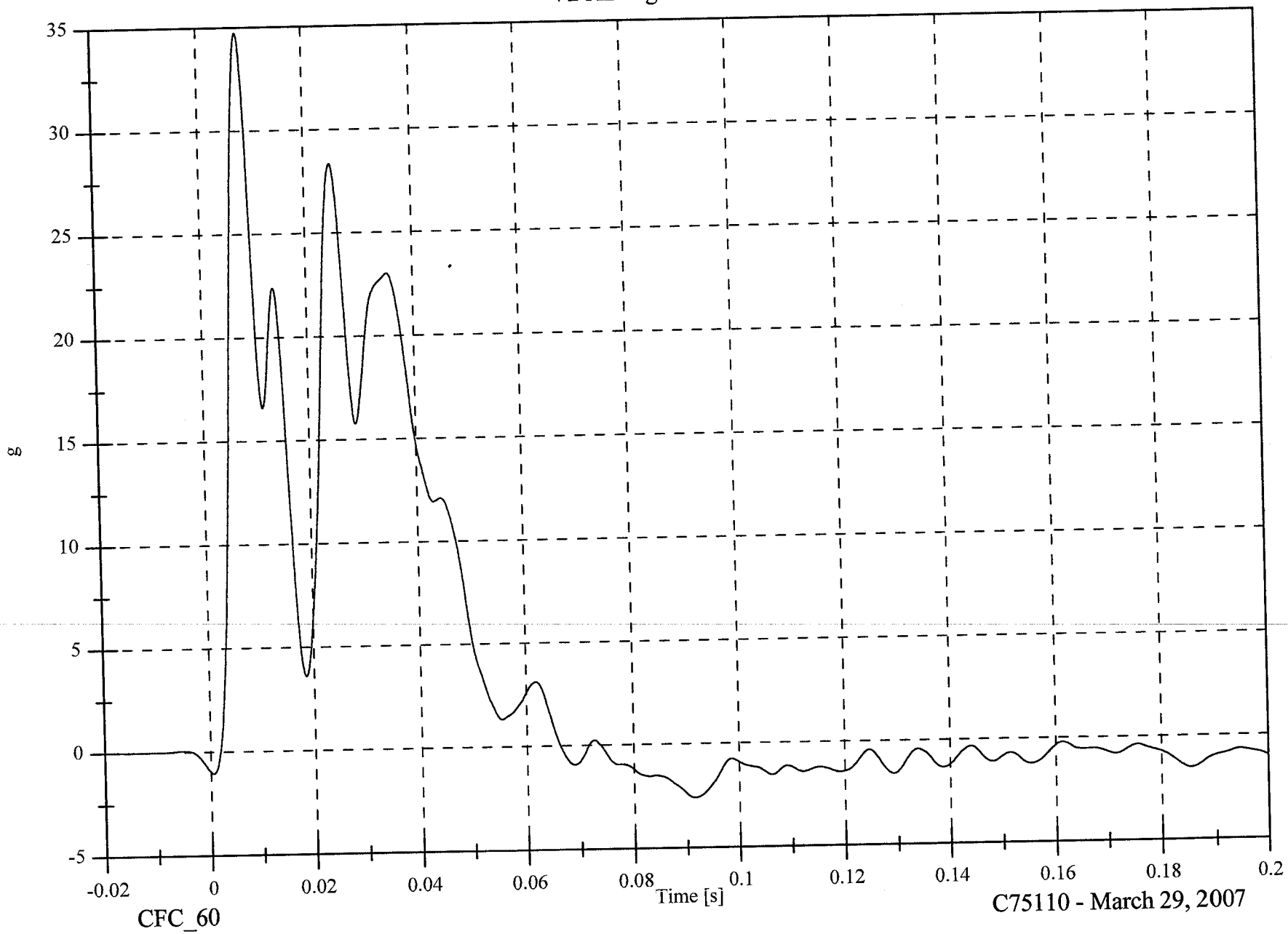
V2 A2 Right Rear Sill Y

Max: 34.7 [g] at 0.007 [s]

Min: -2.6 [g] at 0.092 [s]

B-53

8675-F214-37

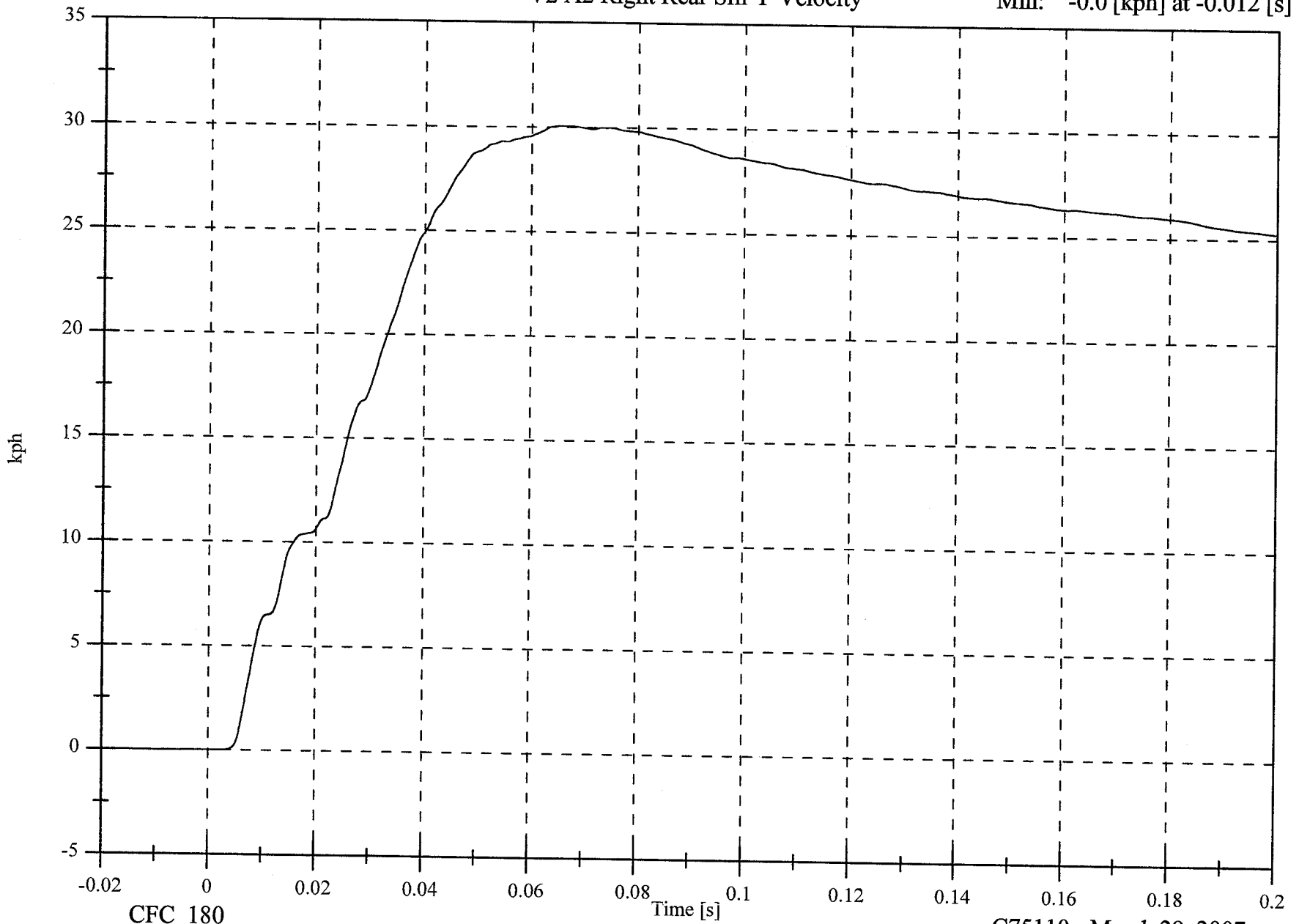


2007 214D Test 7 2007 Toyota Yaris

V2 A2 Right Rear Sill Y Velocity

Max: 30.1 [kph] at 0.066 [s]

Min: -0.0 [kph] at -0.012 [s]



B-54

8675-F214-37

CFC_180

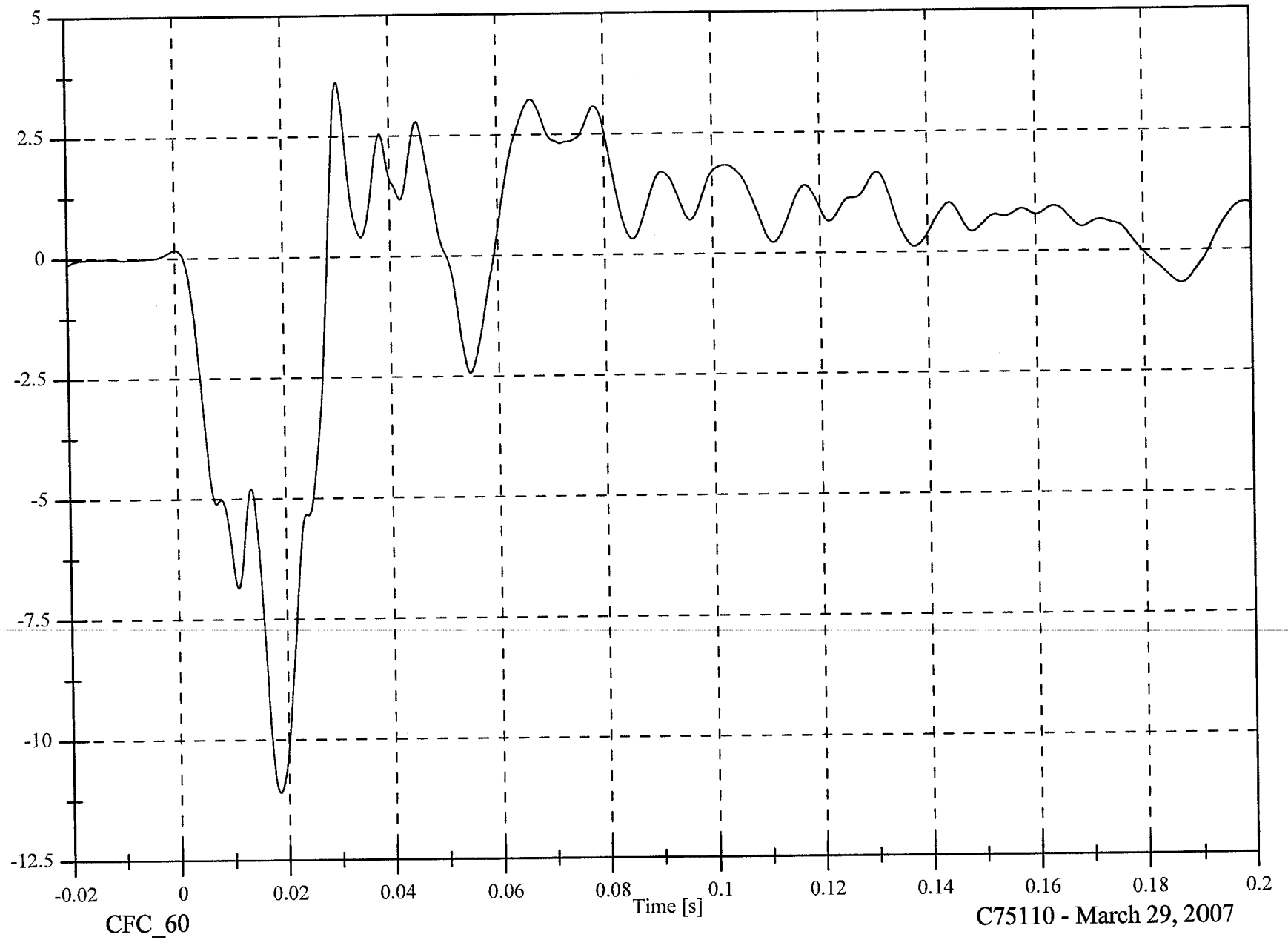
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A2 Right Rear Sill Z

Max: 3.6 [g] at 0.030 [s]

Min: -11.1 [g] at 0.018 [s]



B-55

8675-F214-37

CFC_60

Time [s]

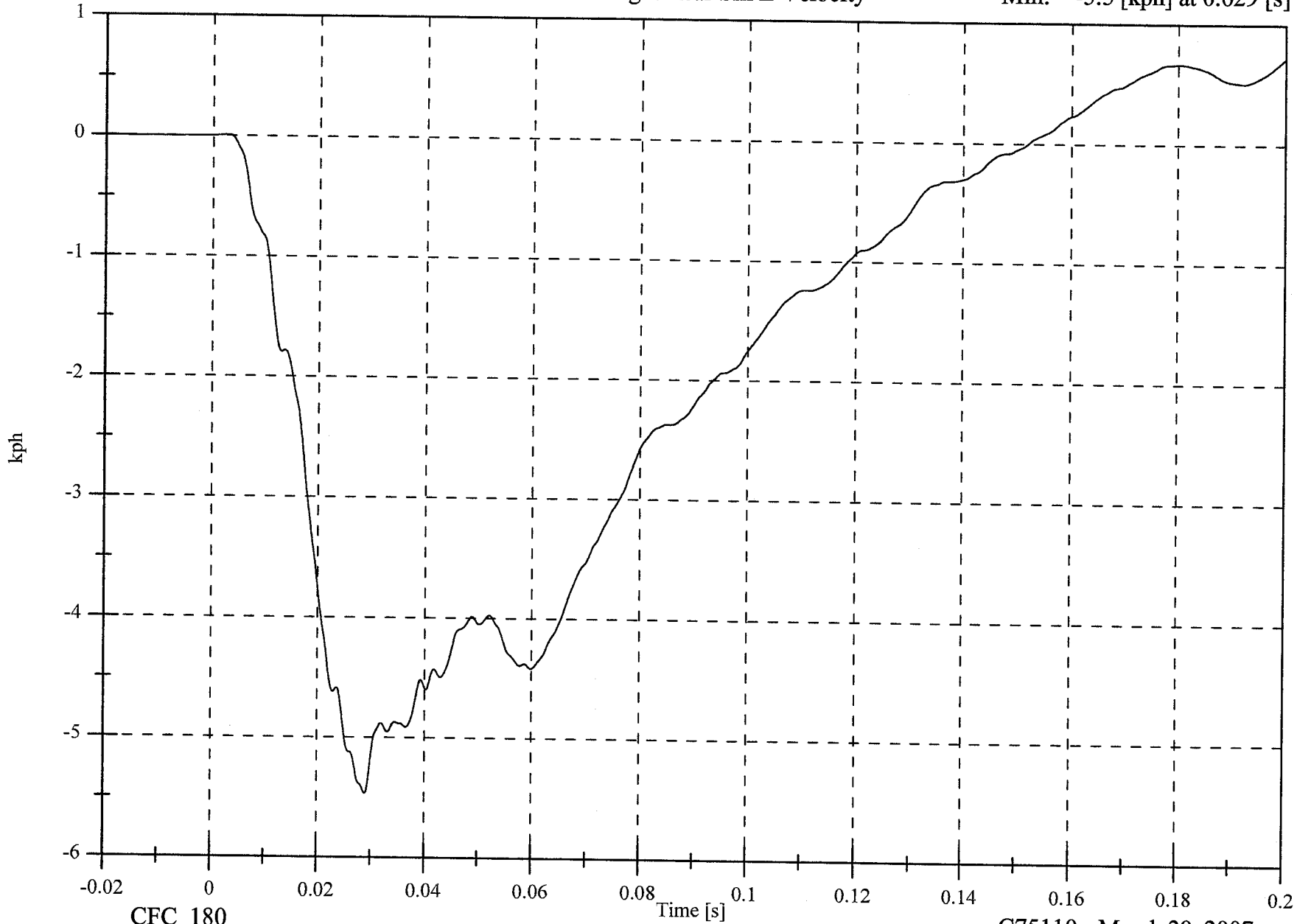
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A2 Right Rear Sill Z Velocity

Max: 0.7 [kph] at 0.200 [s]

Min: -5.5 [kph] at 0.029 [s]



B-56

8675-F214-37

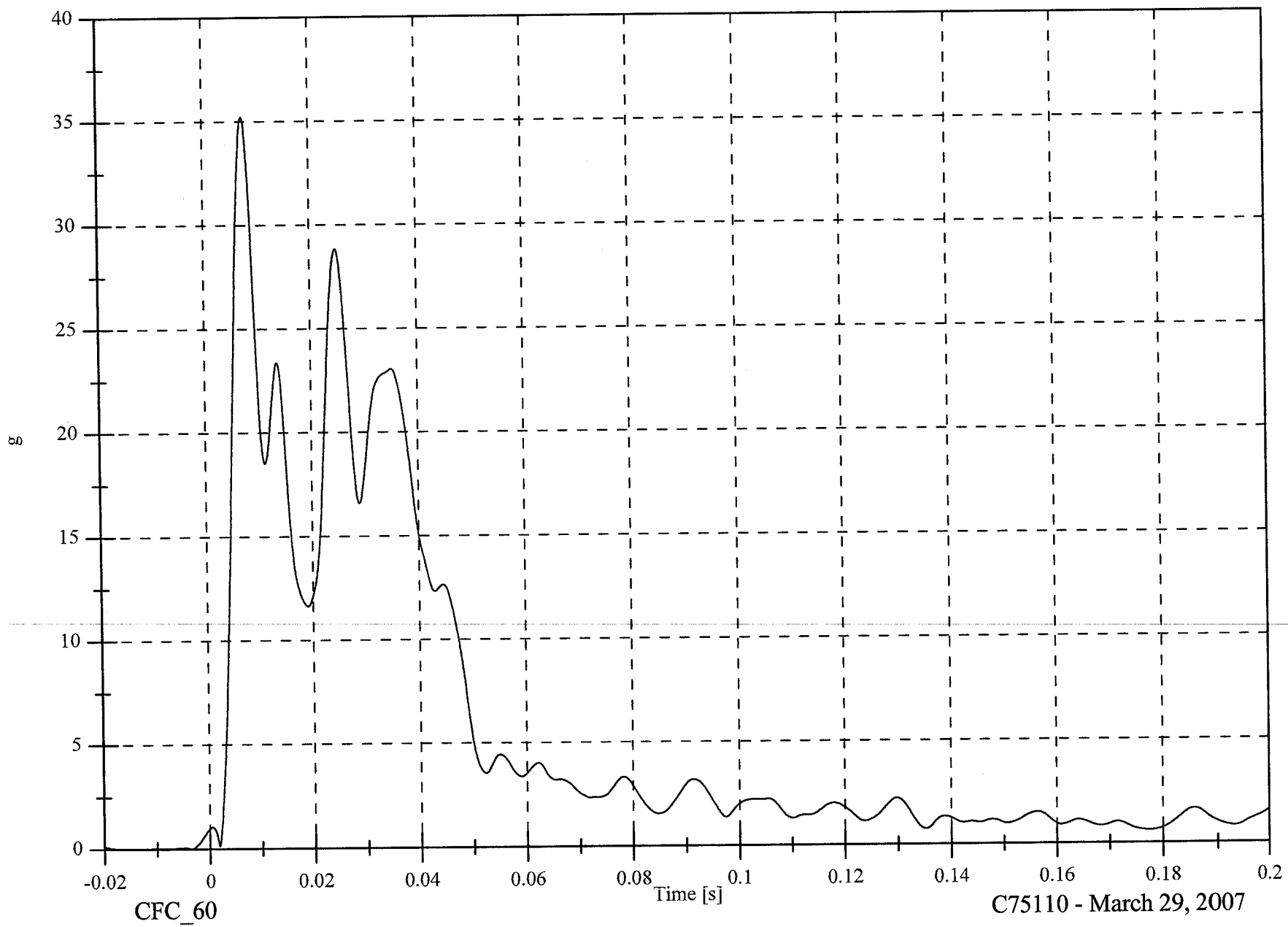
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A2 Right Rear Sill Resultant

Max: 35.2 [g] at 0.007 [s]

Min: 0.0 [g] at -0.003 [s]



B-57

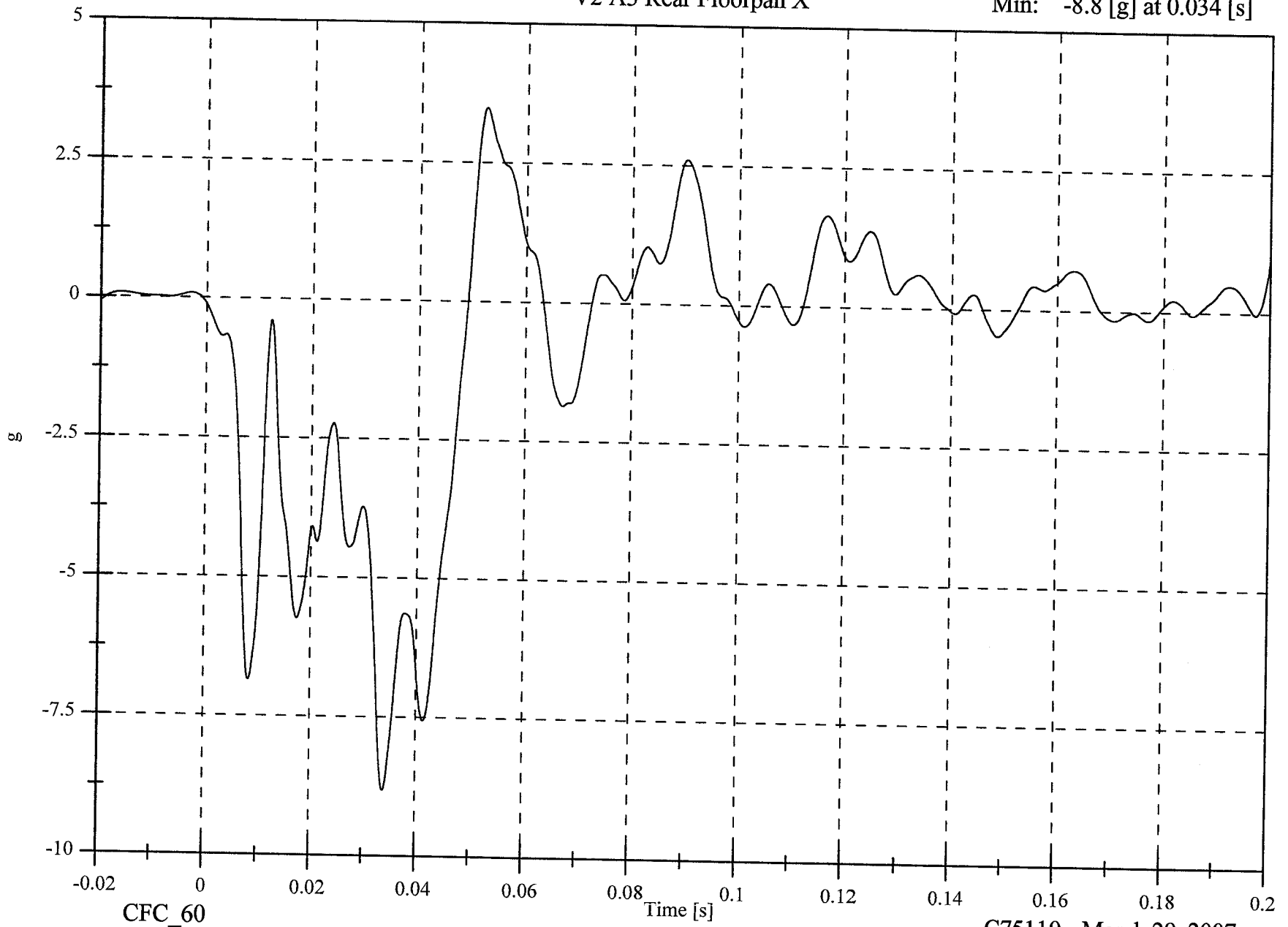
8675-F214-37

2007 214D Test 7 2007 Toyota Yaris

V2 A3 Rear Floorpan X

Max: 3.5 [g] at 0.052 [s]

Min: -8.8 [g] at 0.034 [s]



B-58

8675-F214-37

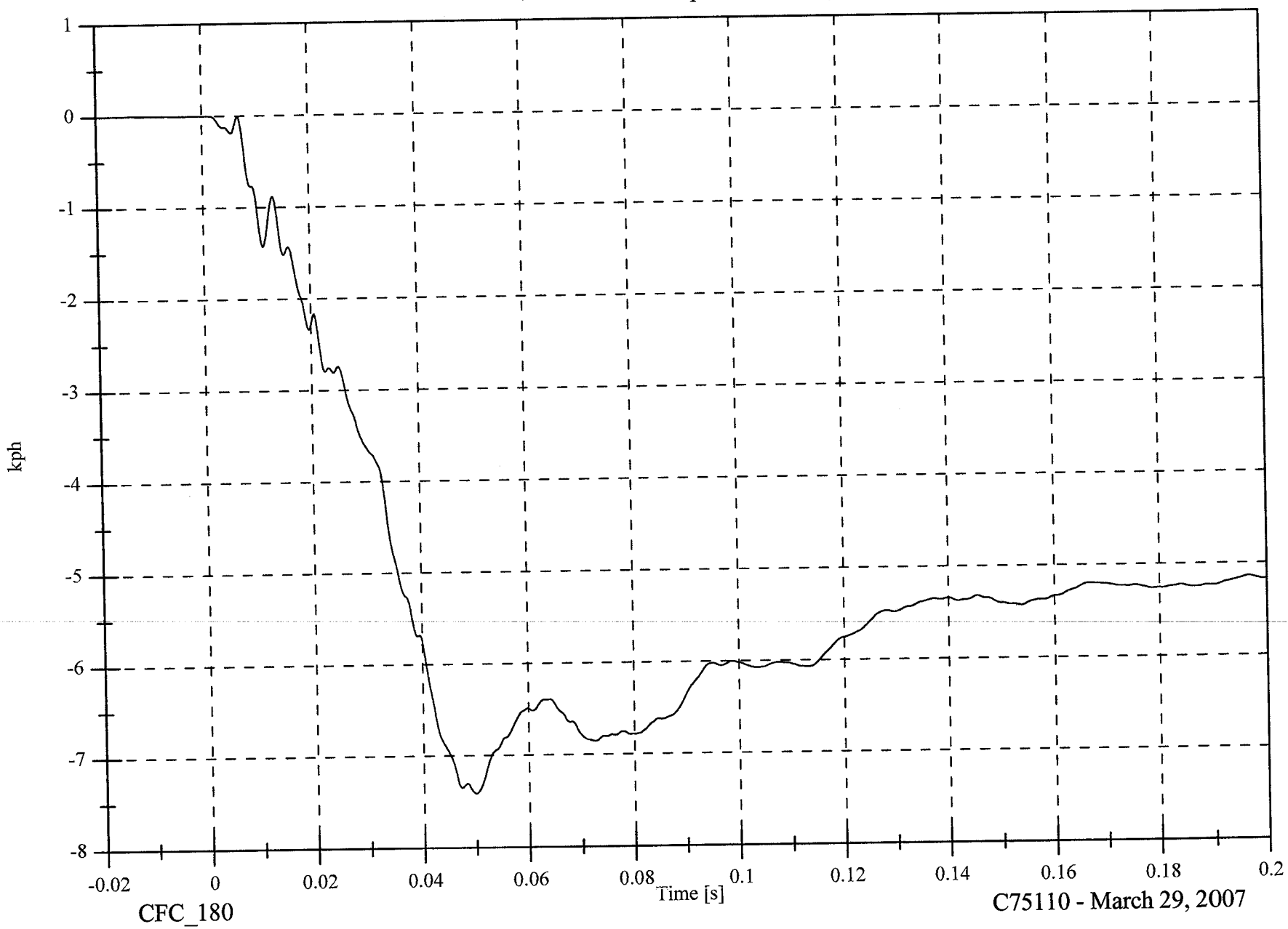
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A3 Rear Floorpan X Velocity

Max: 0.0 [kph] at -0.013 [s]

Min: -7.4 [kph] at 0.050 [s]



B-59

8675-F214-37

CFC_180

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

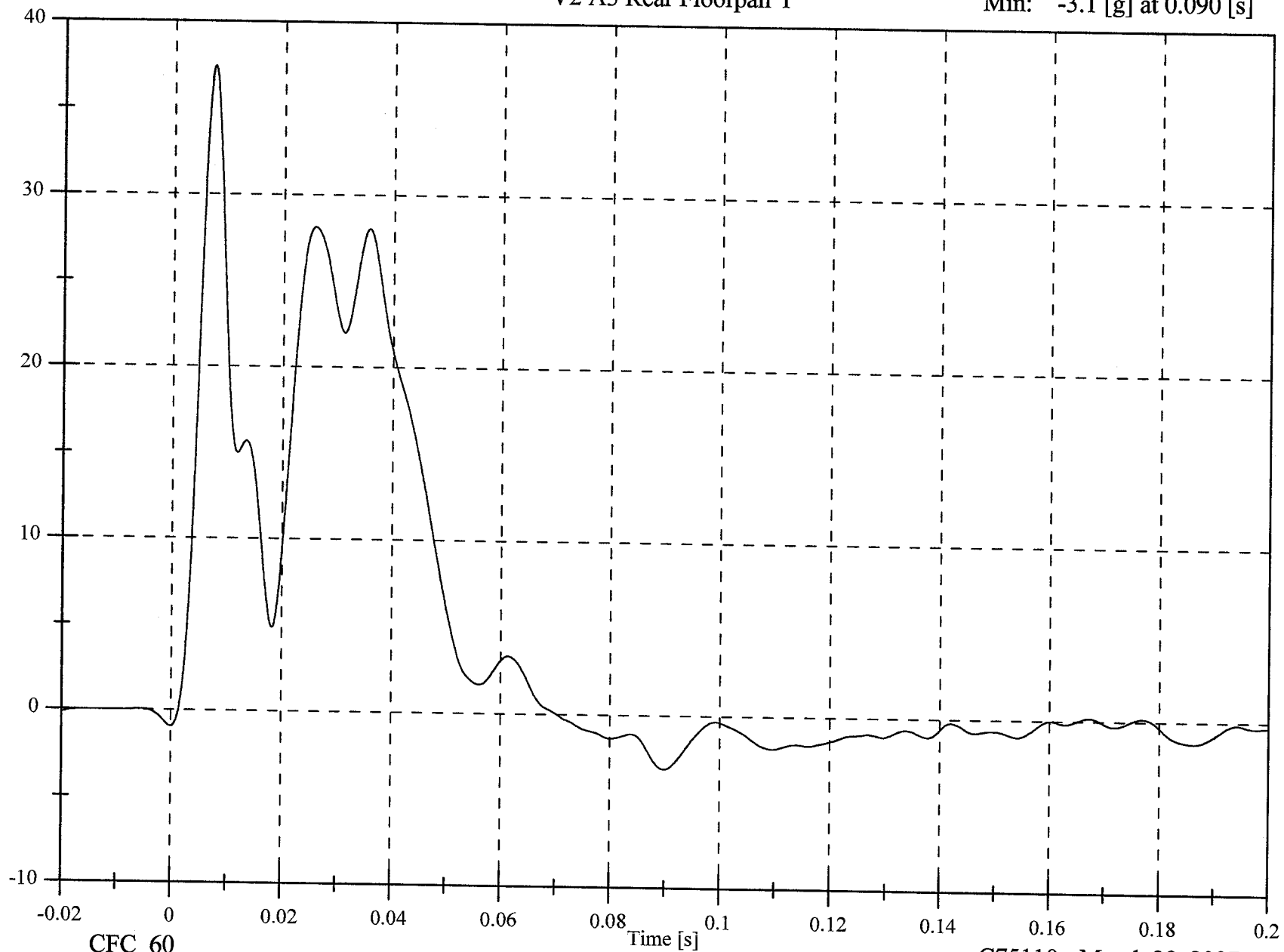
V2 A3 Rear Floorpan Y

Max: 37.4 [g] at 0.007 [s]

Min: -3.1 [g] at 0.090 [s]

B-60

8675-F214-37



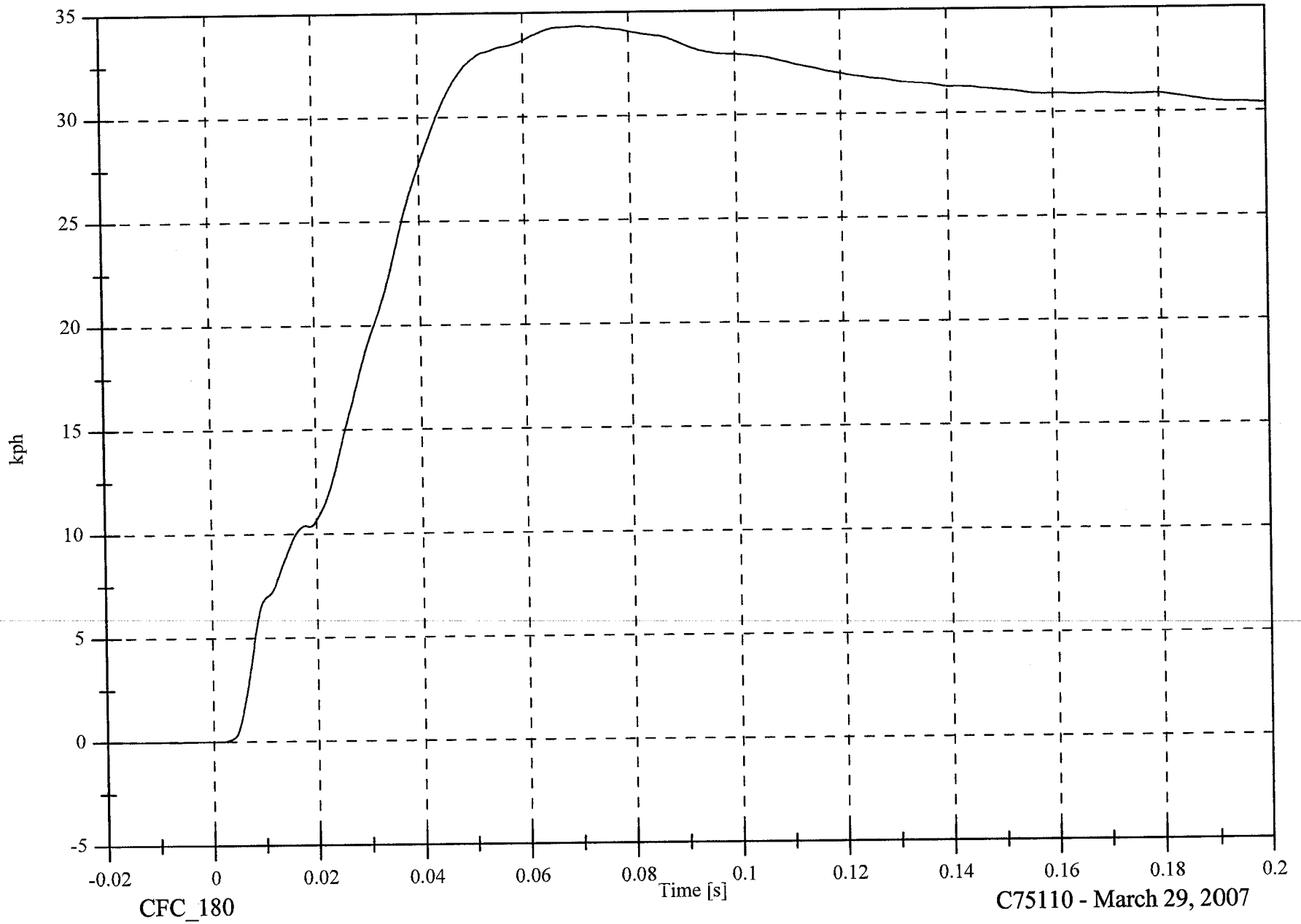
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A3 Rear Floorpan Y Velocity

Max: 34.3 [kph] at 0.071 [s]

Min: -0.0 [kph] at -0.013 [s]



B-61

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

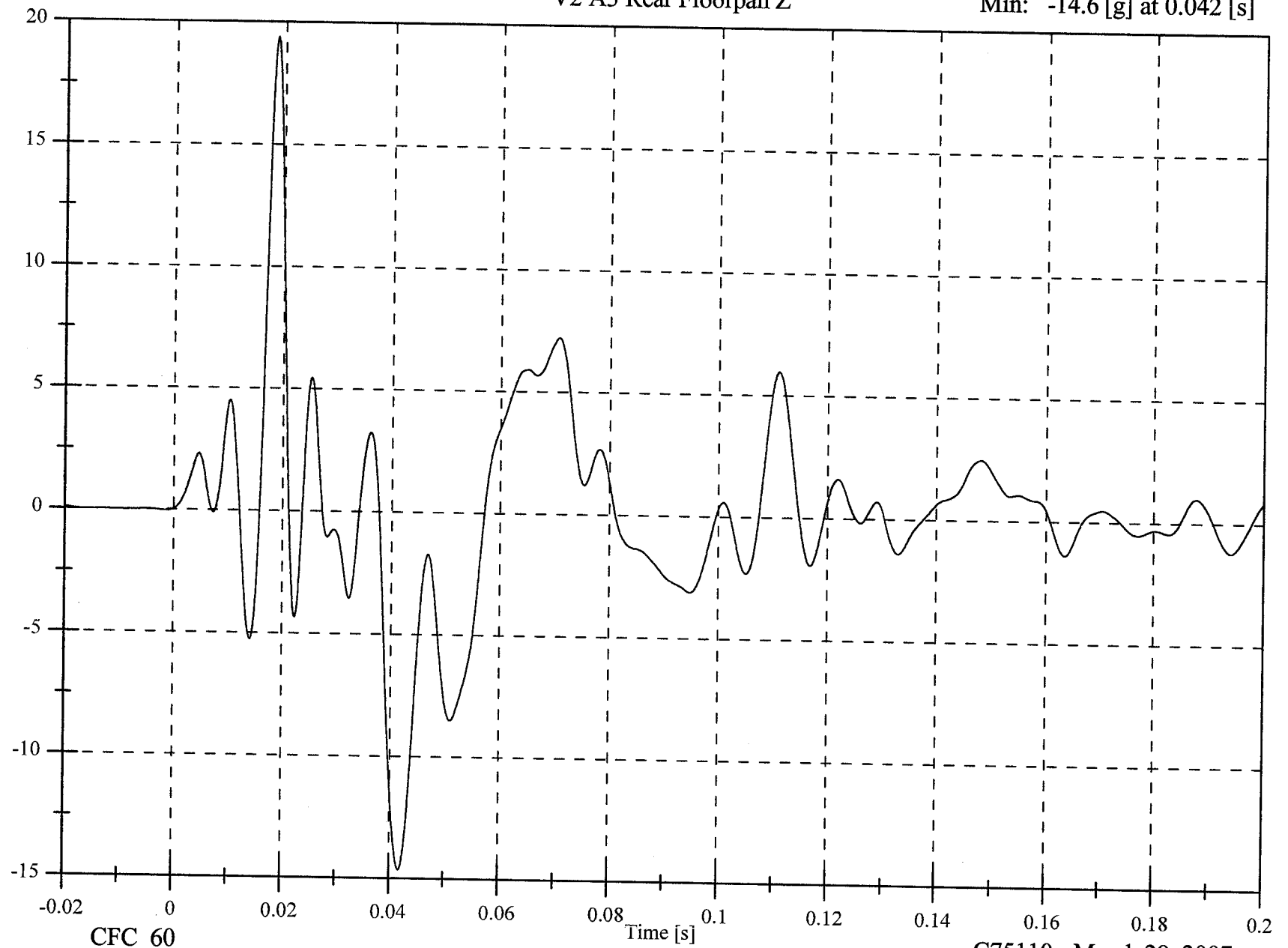
V2 A3 Rear Floorpan Z

Max: 19.4 [g] at 0.019 [s]

Min: -14.6 [g] at 0.042 [s]

B-62

8675-F214-37



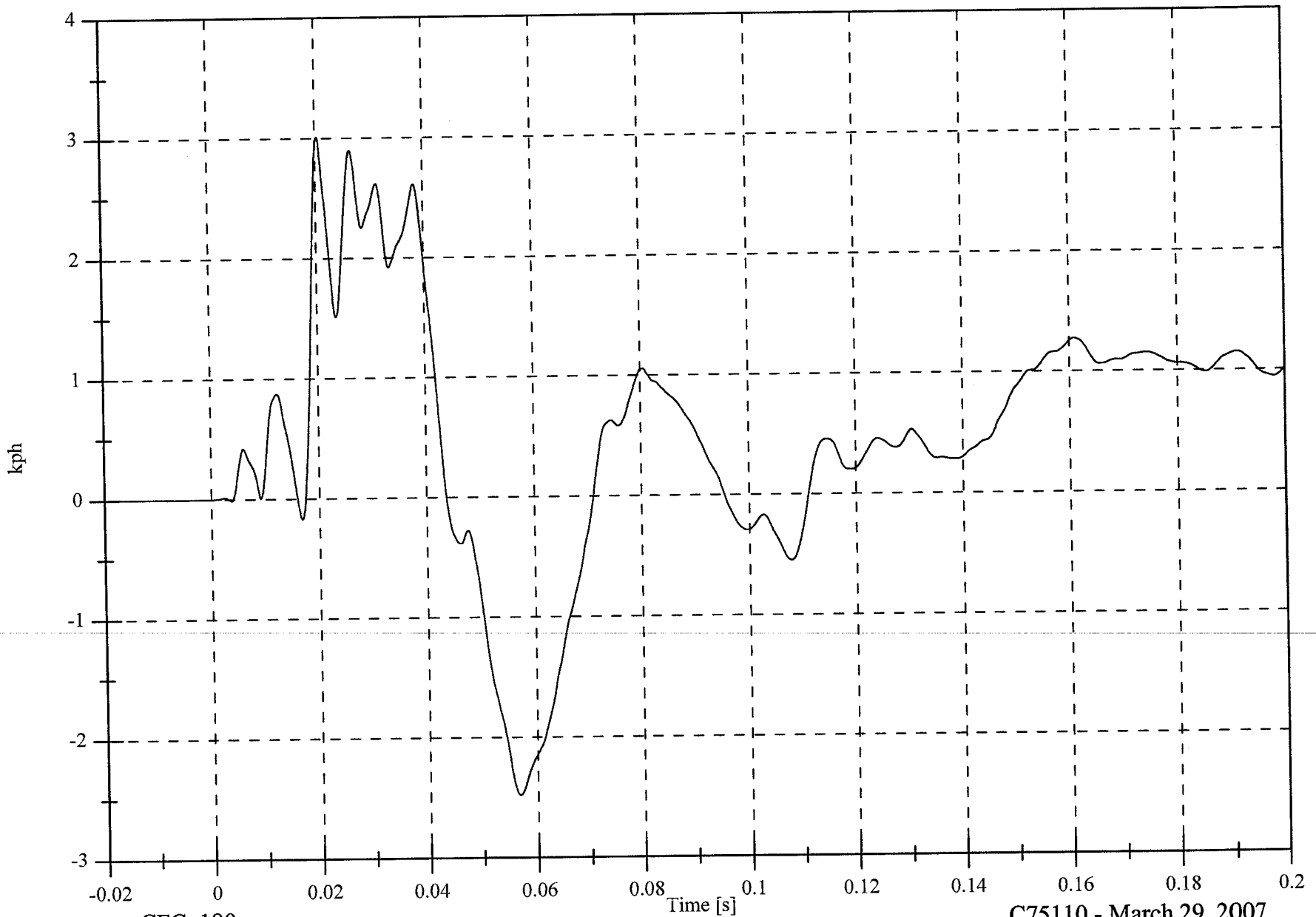
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A3 Rear Floorpan Z Velocity

Max: 3.0 [kph] at 0.020 [s]

Min: -2.5 [kph] at 0.057 [s]



B-63

8675-F214-37

CFC_180

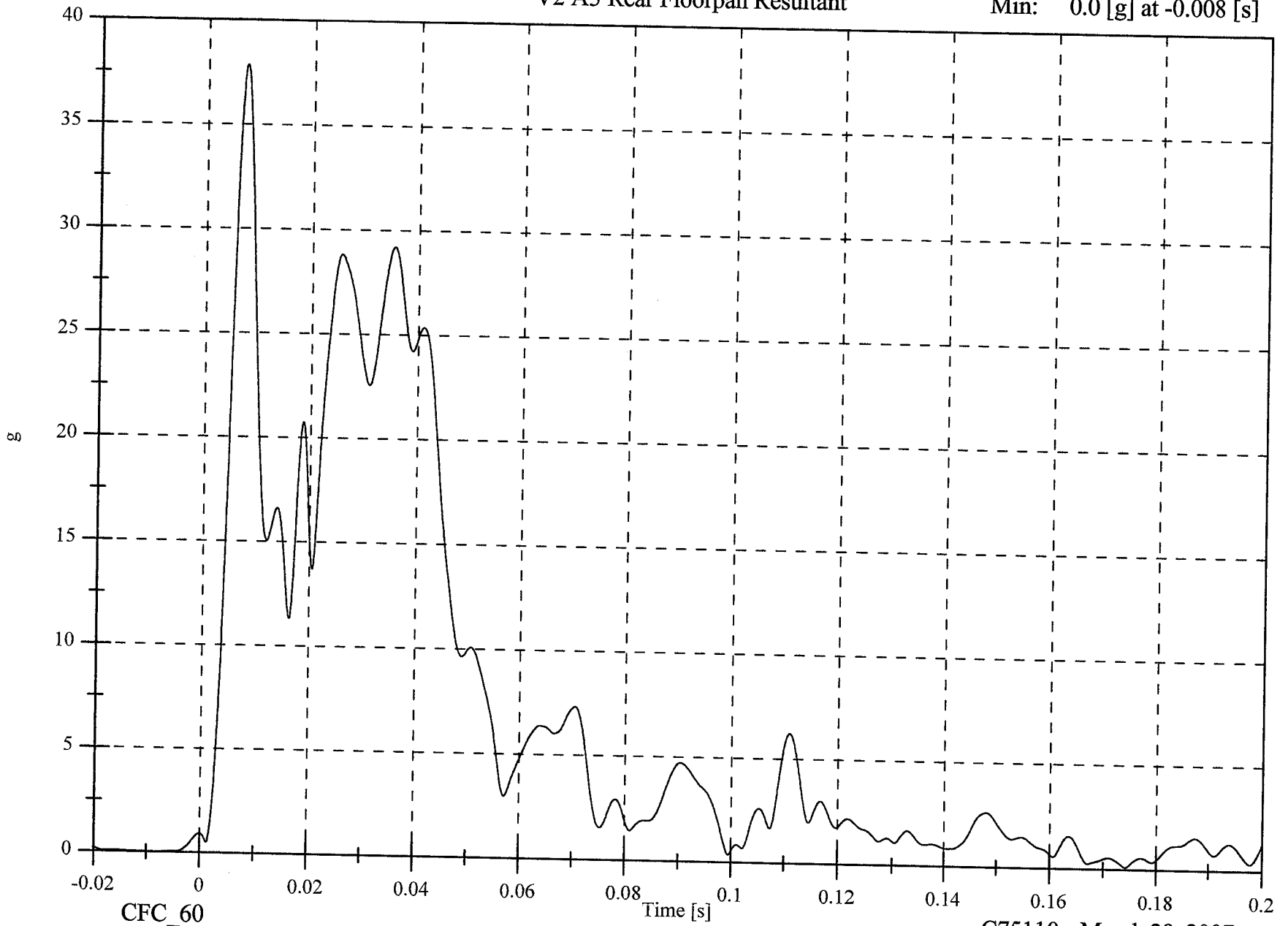
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A3 Rear Floorpan Resultant

Max: 37.9 [g] at 0.007 [s]

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



B-64

8675-F214-37

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

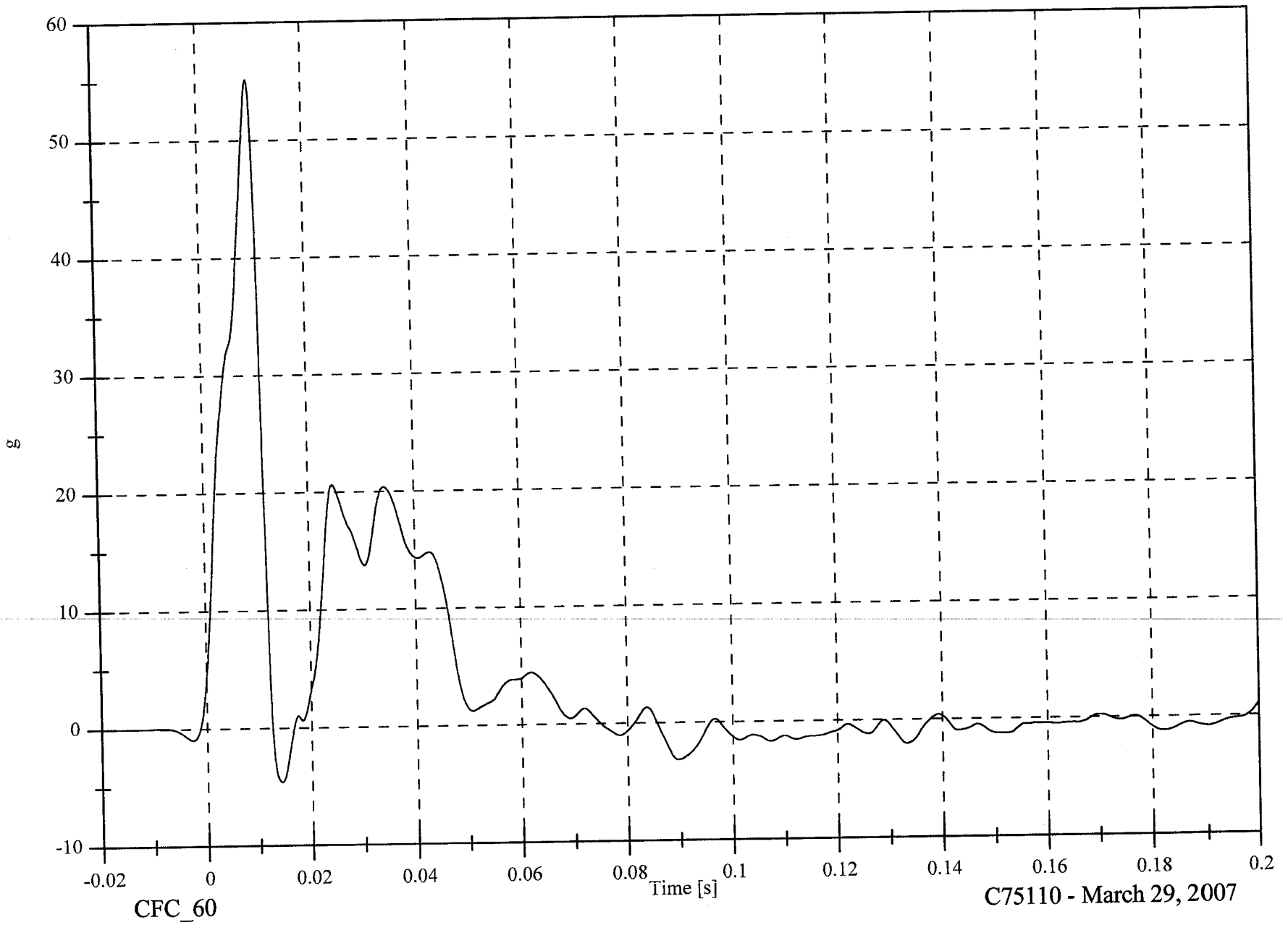
V2 A4 Left Rear Sill Y

Max: 55.2 [g] at 0.010 [s]

Min: -4.6 [g] at 0.014 [s]

B-65

8675-F214-37

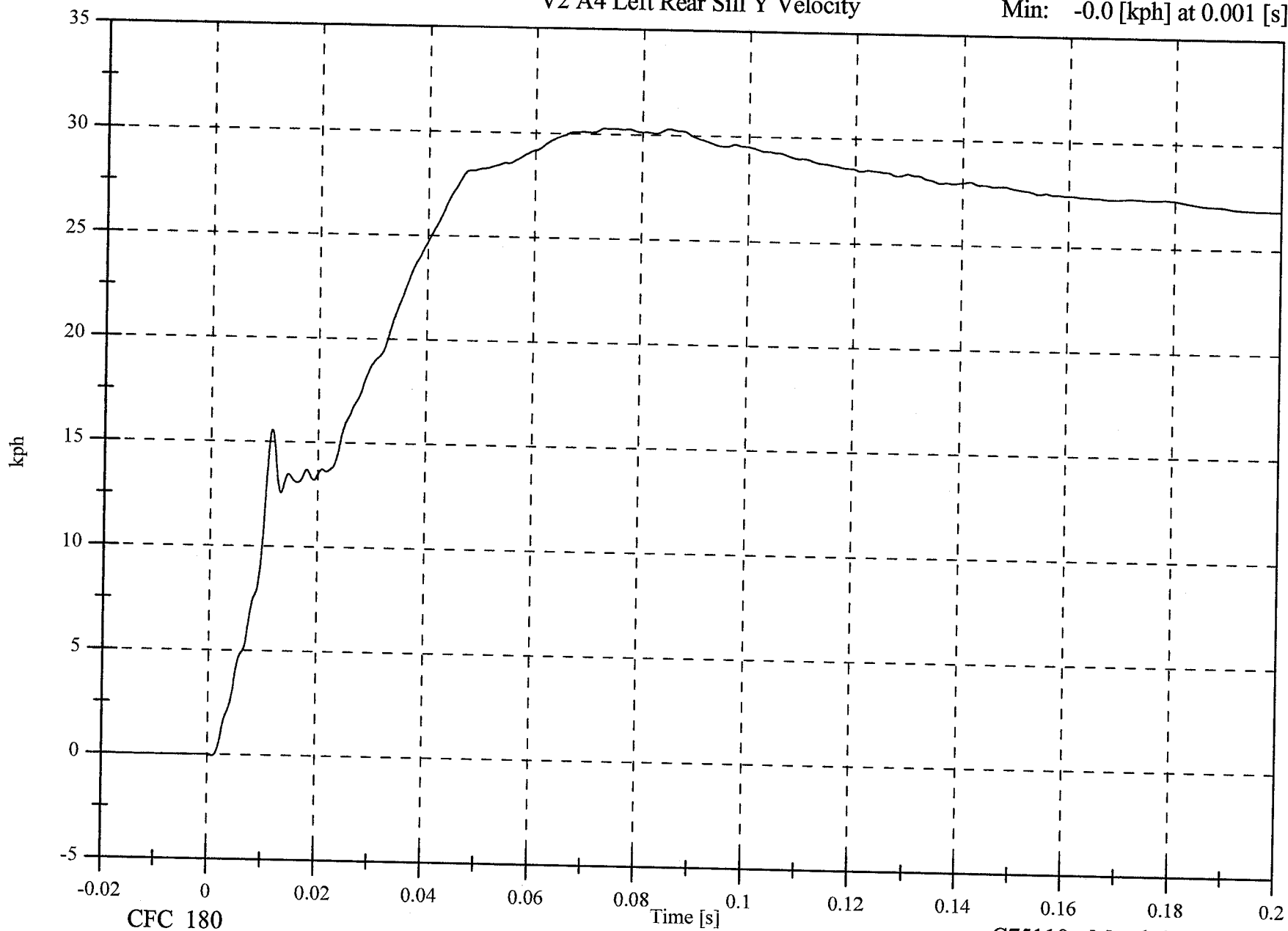


2007 214D Test 7 2007 Toyota Yaris

V2 A4 Left Rear Sill Y Velocity

Max: 30.3 [kph] at 0.085 [s]

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



B-66

8675-F214-37

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

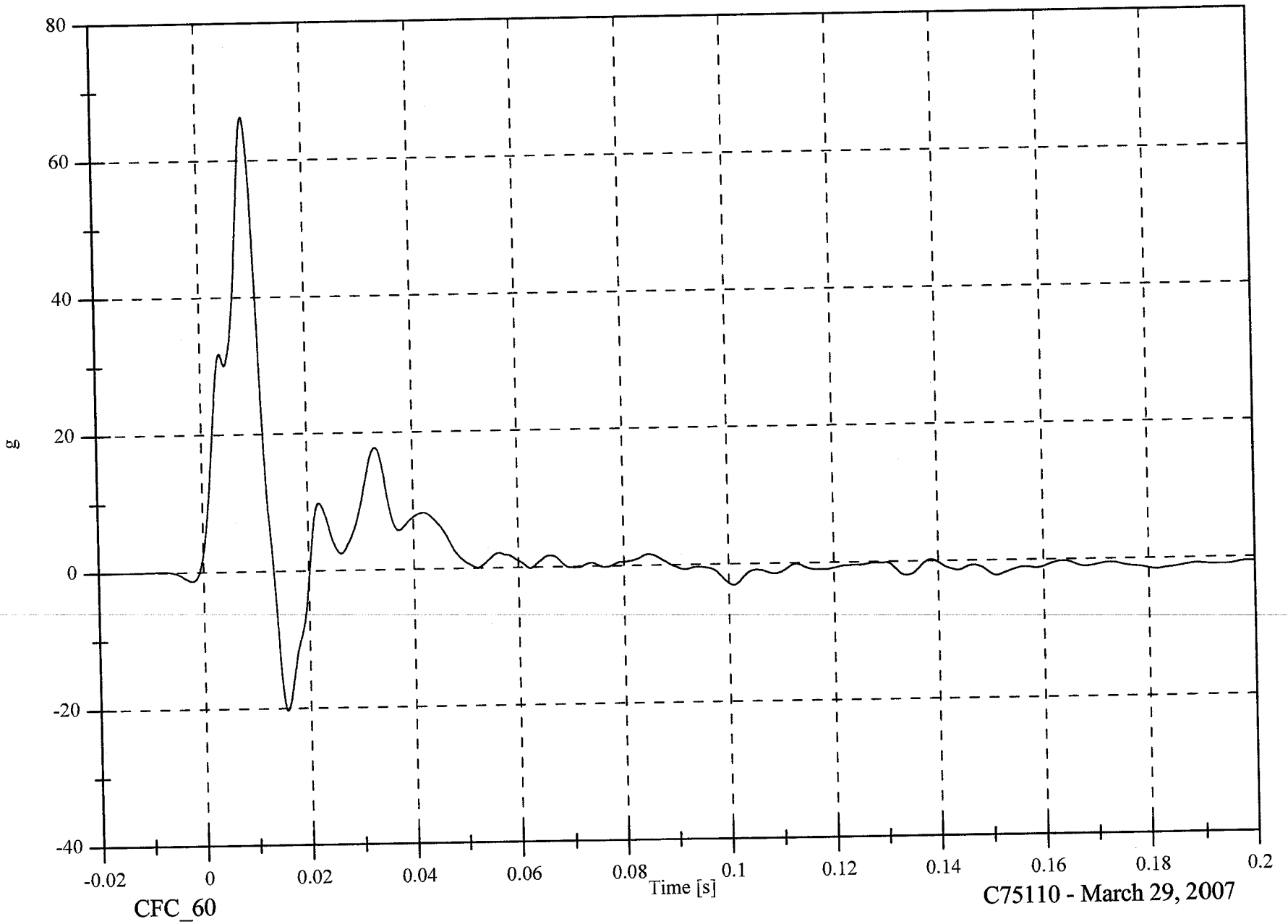
V2 A5 Left Front Sill Y

Max: 66.3 [g] at 0.009 [s]

Min: -20.4 [g] at 0.016 [s]

B-67

8675-F214-37

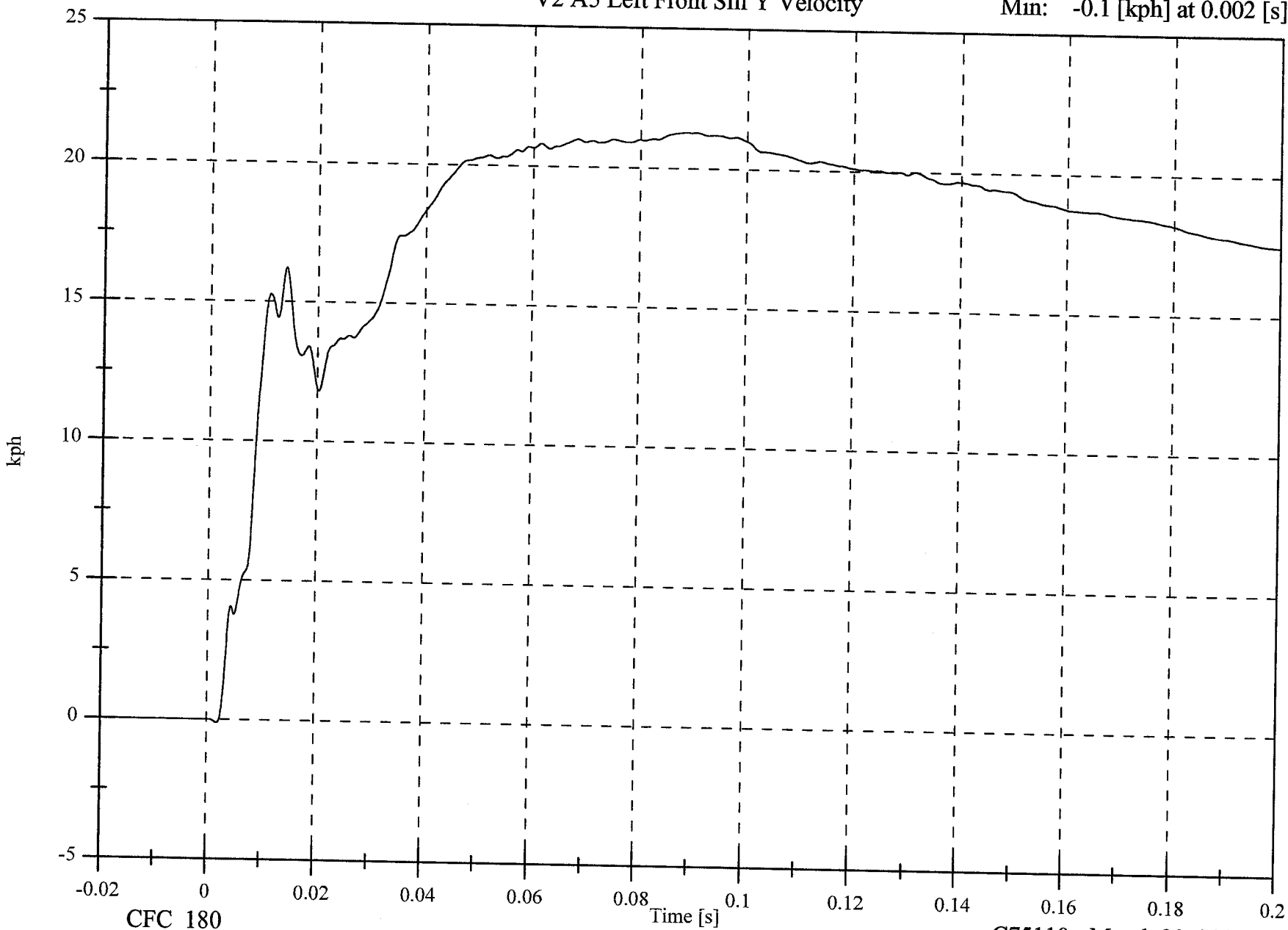


2007 214D Test 7 2007 Toyota Yaris

V2 A5 Left Front Sill Y Velocity

Max: 21.3 [kph] at 0.091 [s]

Min: -0.1 [kph] at 0.002 [s]



B-68

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

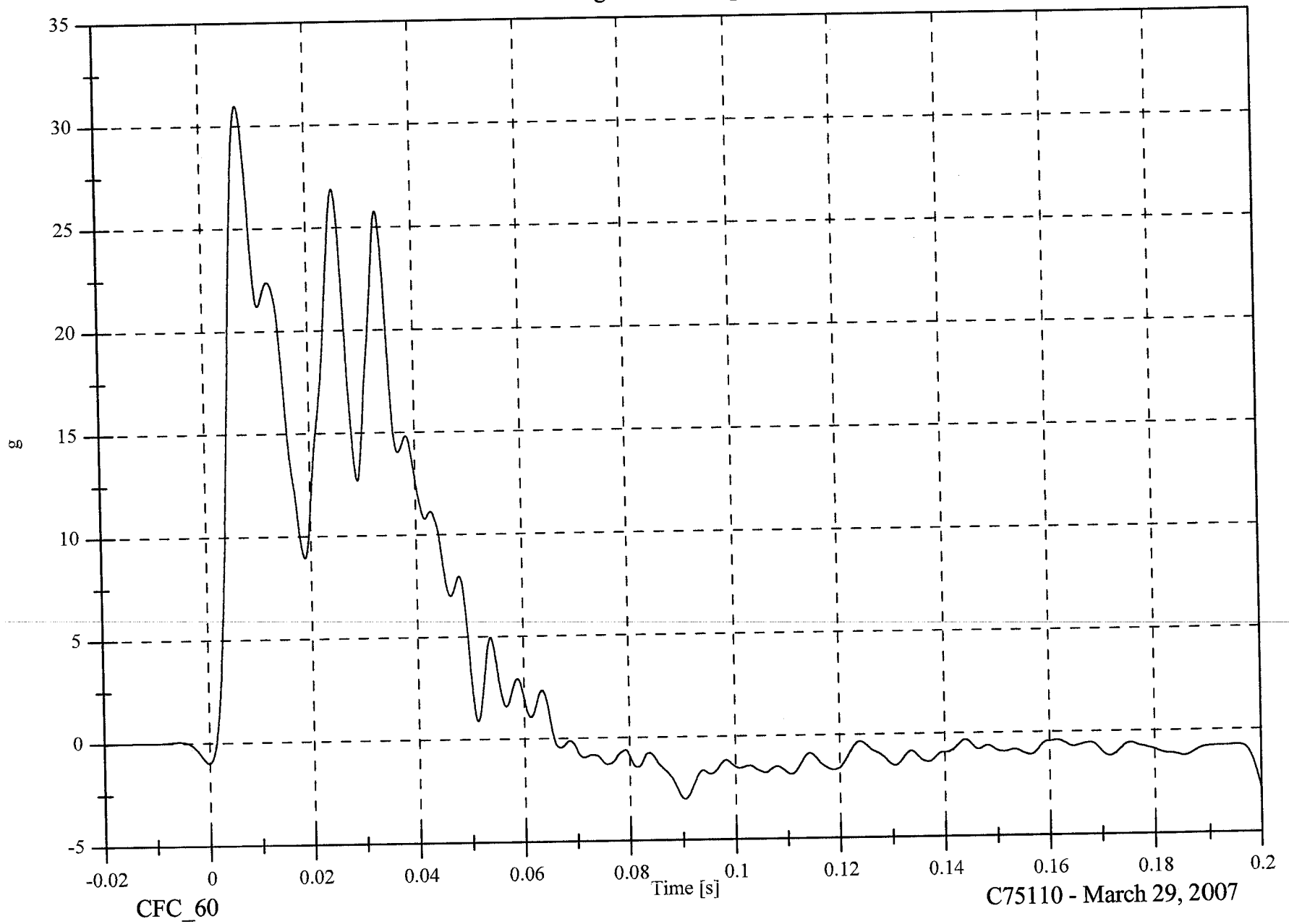
V2 A7 Right Rear Compartment Y

Max: 31.0 [g] at 0.007 [s]

Min: -3.0 [g] at 0.090 [s]

B-69

8675-F214-37

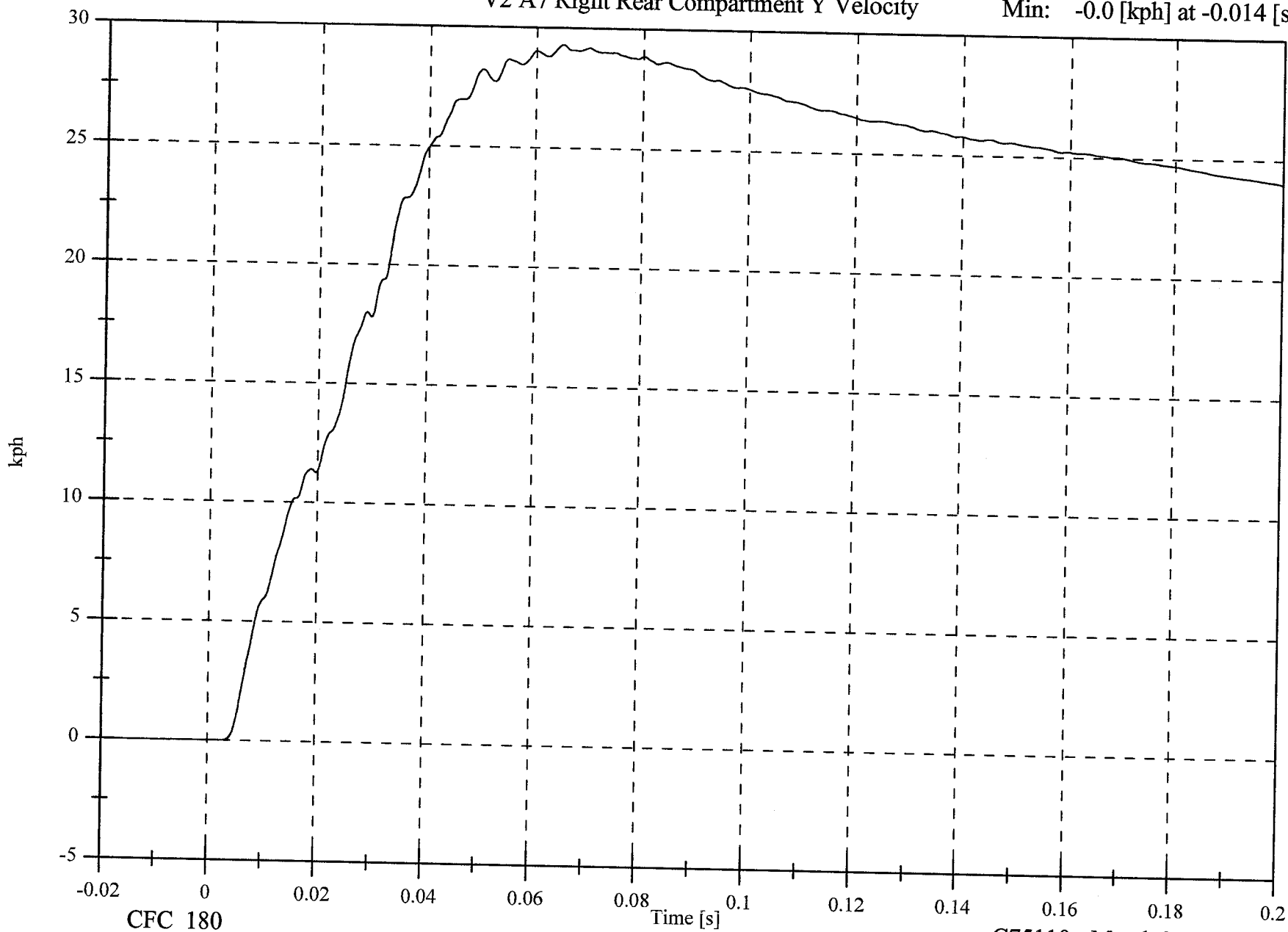


2007 214D Test 7 2007 Toyota Yaris

V2 A7 Right Rear Compartment Y Velocity

Max: 29.3 [kph] at 0.065 [s]

Min: -0.0 [kph] at -0.014 [s]



B-70

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

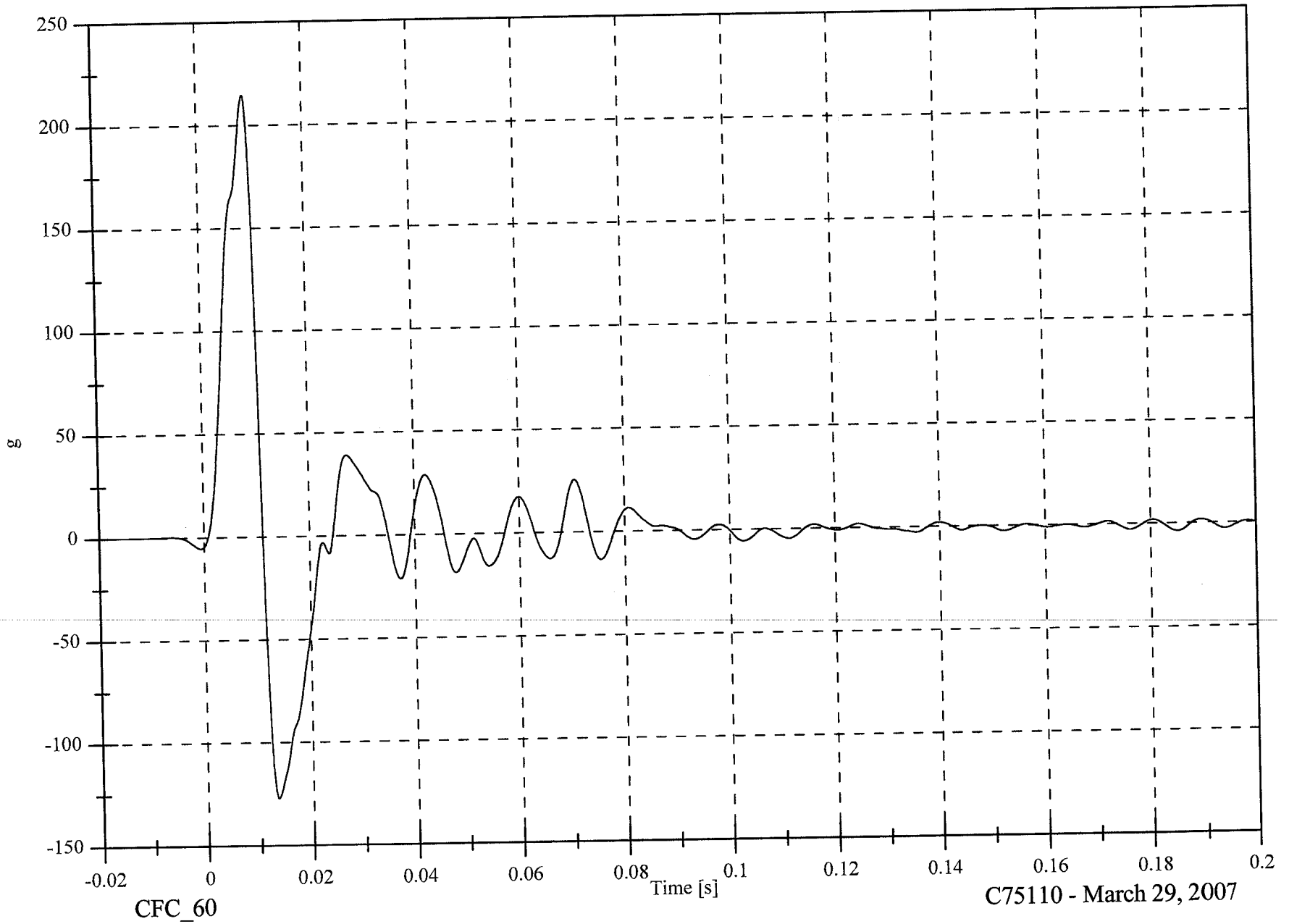
V2 A12 Left Lower B Post Y

Max: 214.6 [g] at 0.009 [s]

Min: -127.0 [g] at 0.013 [s]

B-71

8675-F214-37

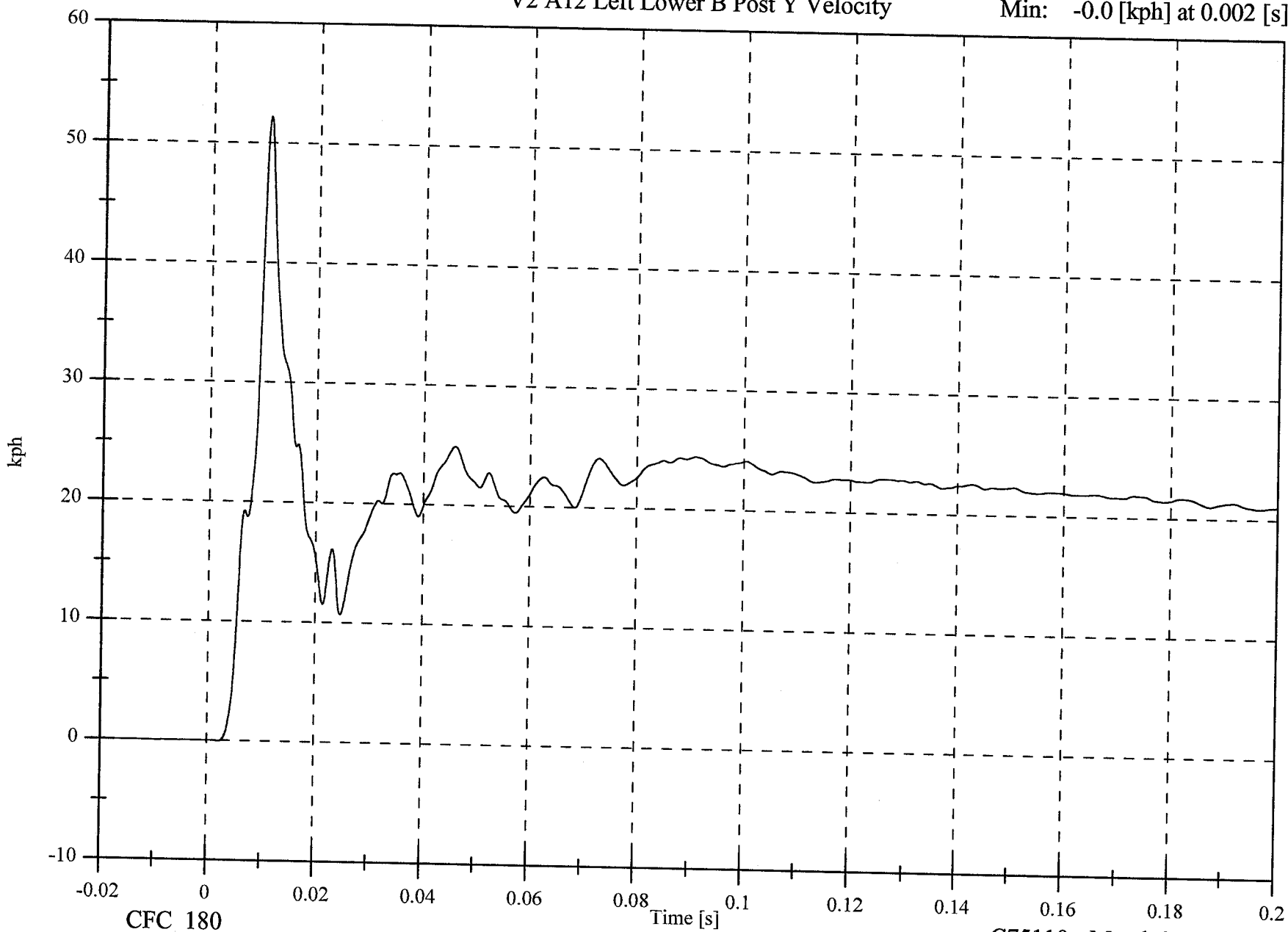


2007 214D Test 7 2007 Toyota Yaris

V2 A12 Left Lower B Post Y Velocity

Max: 52.2 [kph] at 0.011 [s]

Min: -0.0 [kph] at 0.002 [s]



B-72

8675-F214-37

CFC_180

Time [s]

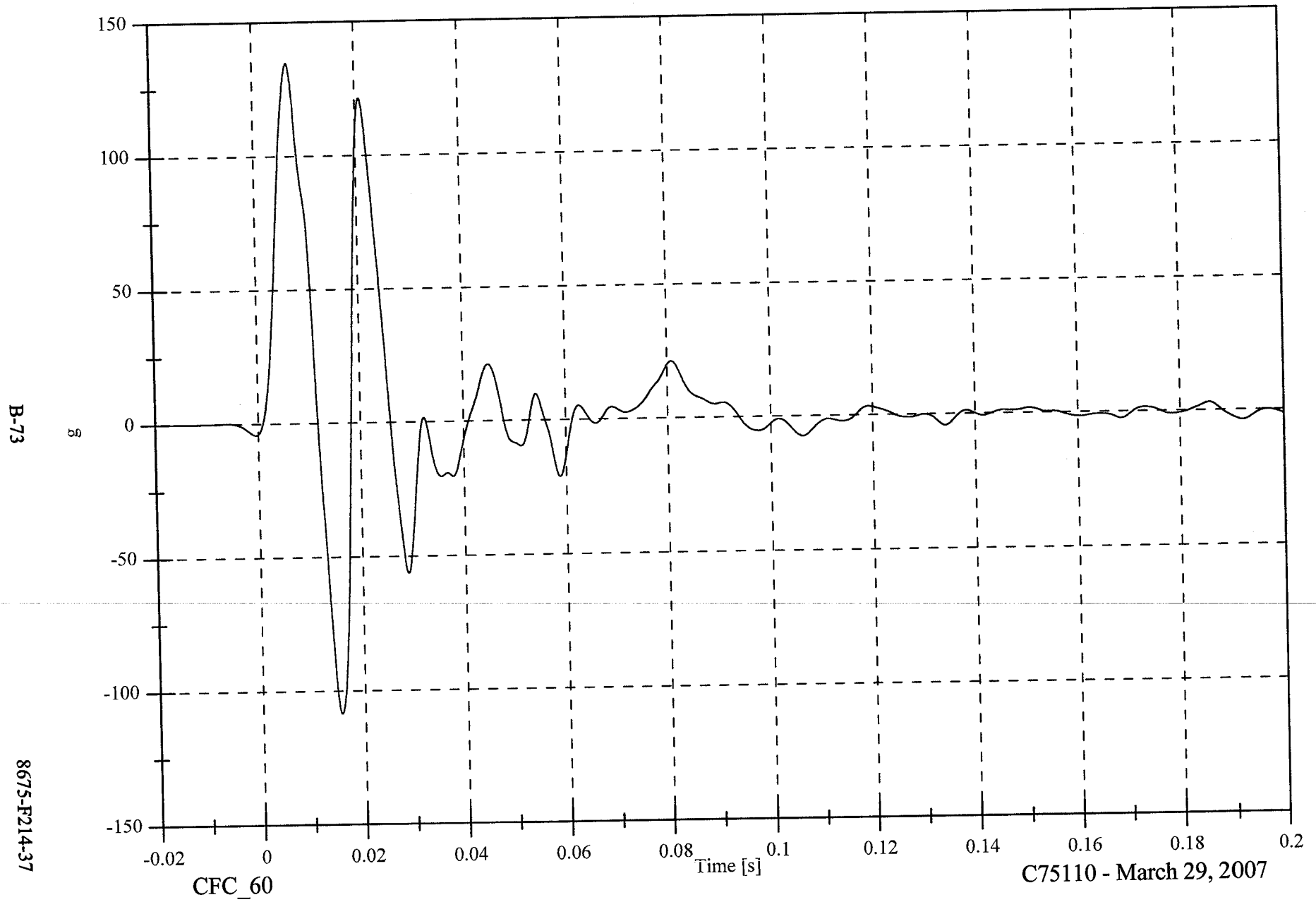
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A13 Left Middle B Post Y

Max: 134.8 [g] at 0.007 [s]

Min: -108.5 [g] at 0.015 [s]

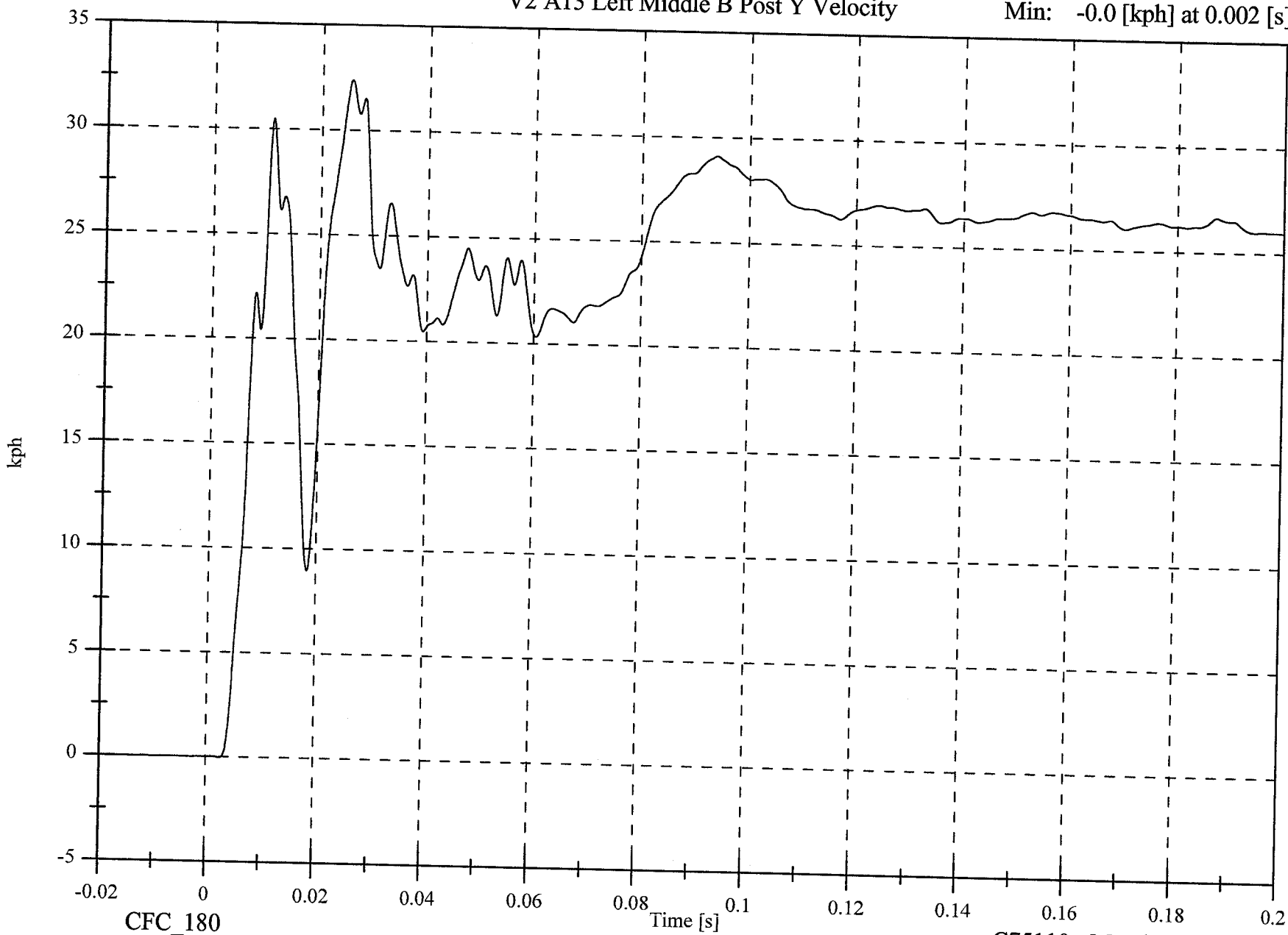


2007 214D Test 7 2007 Toyota Yaris

V2 A13 Left Middle B Post Y Velocity

Max: 32.4 [kph] at 0.026 [s]

Min: -0.0 [kph] at 0.002 [s]



B-74

8675-F214-37

CFC_180

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

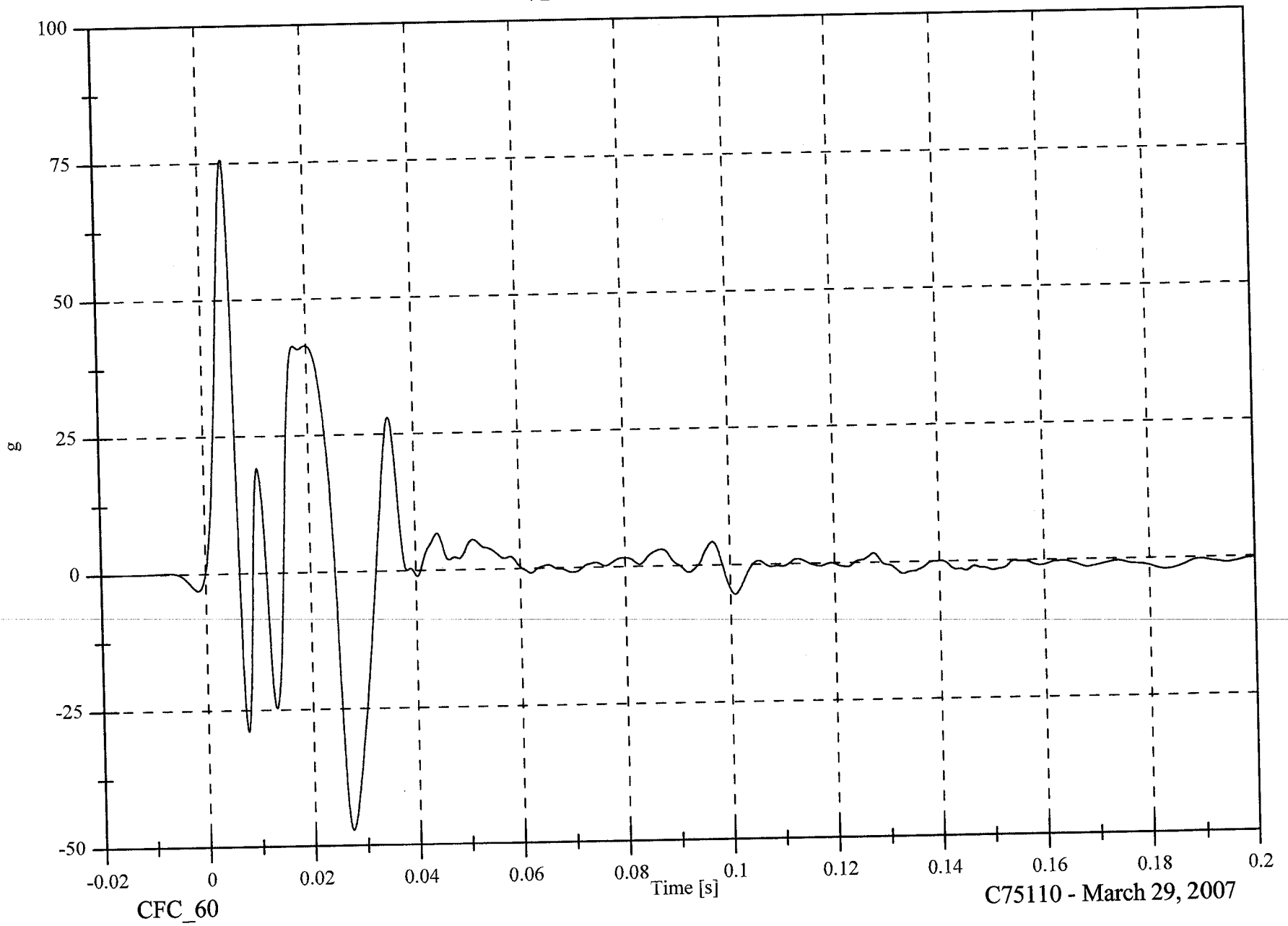
V2 A14 Left Lower A Post Y

Max: 75.6 [g] at 0.004 [s]

Min: -47.2 [g] at 0.027 [s]

B-75

8675-F214-37

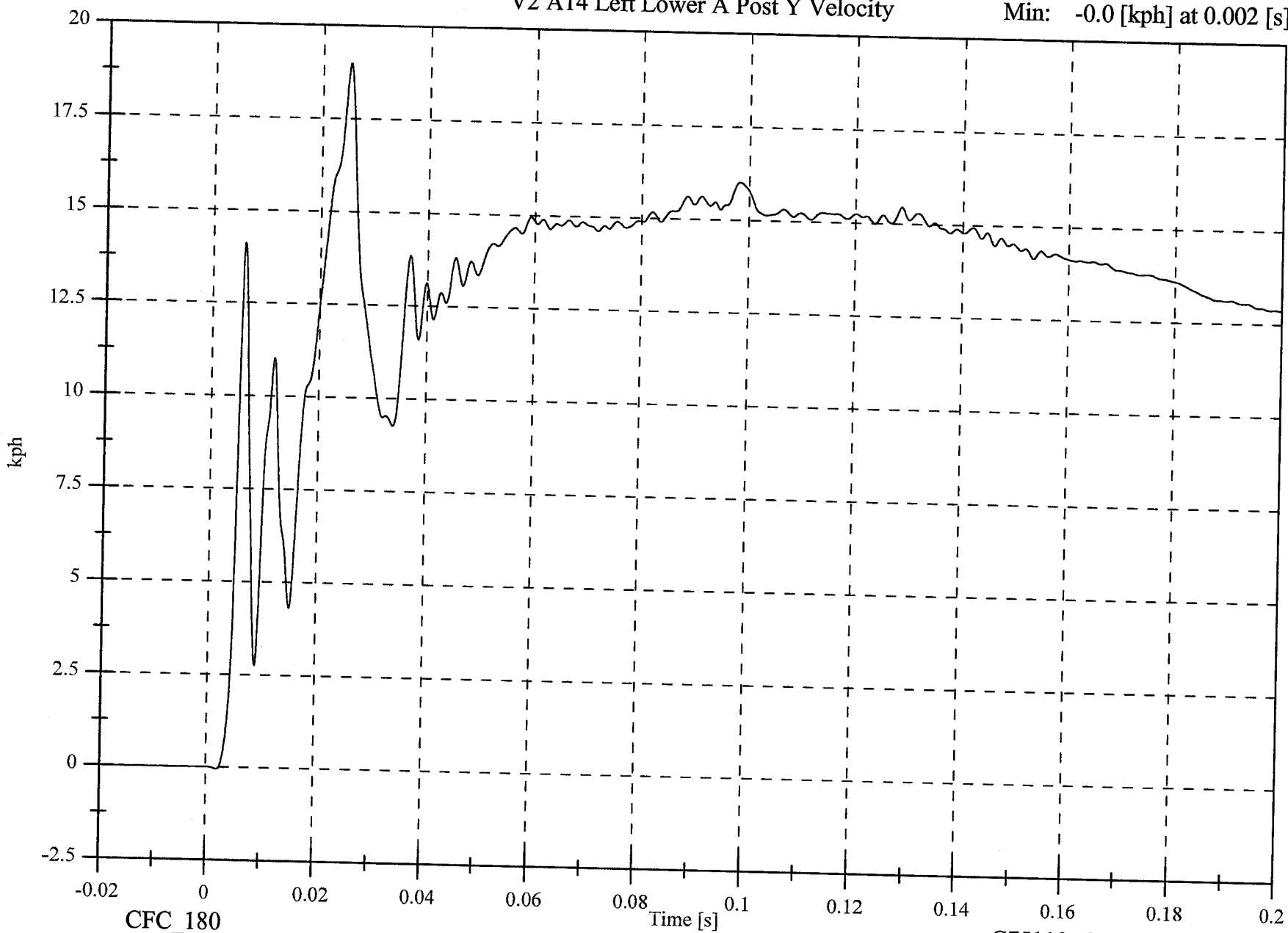


2007 214D Test 7 2007 Toyota Yaris

V2 A14 Left Lower A Post Y Velocity

Max: 19.0 [kph] at 0.025 [s]

Min: -0.0 [kph] at 0.002 [s]



B-76

8675-F214-37

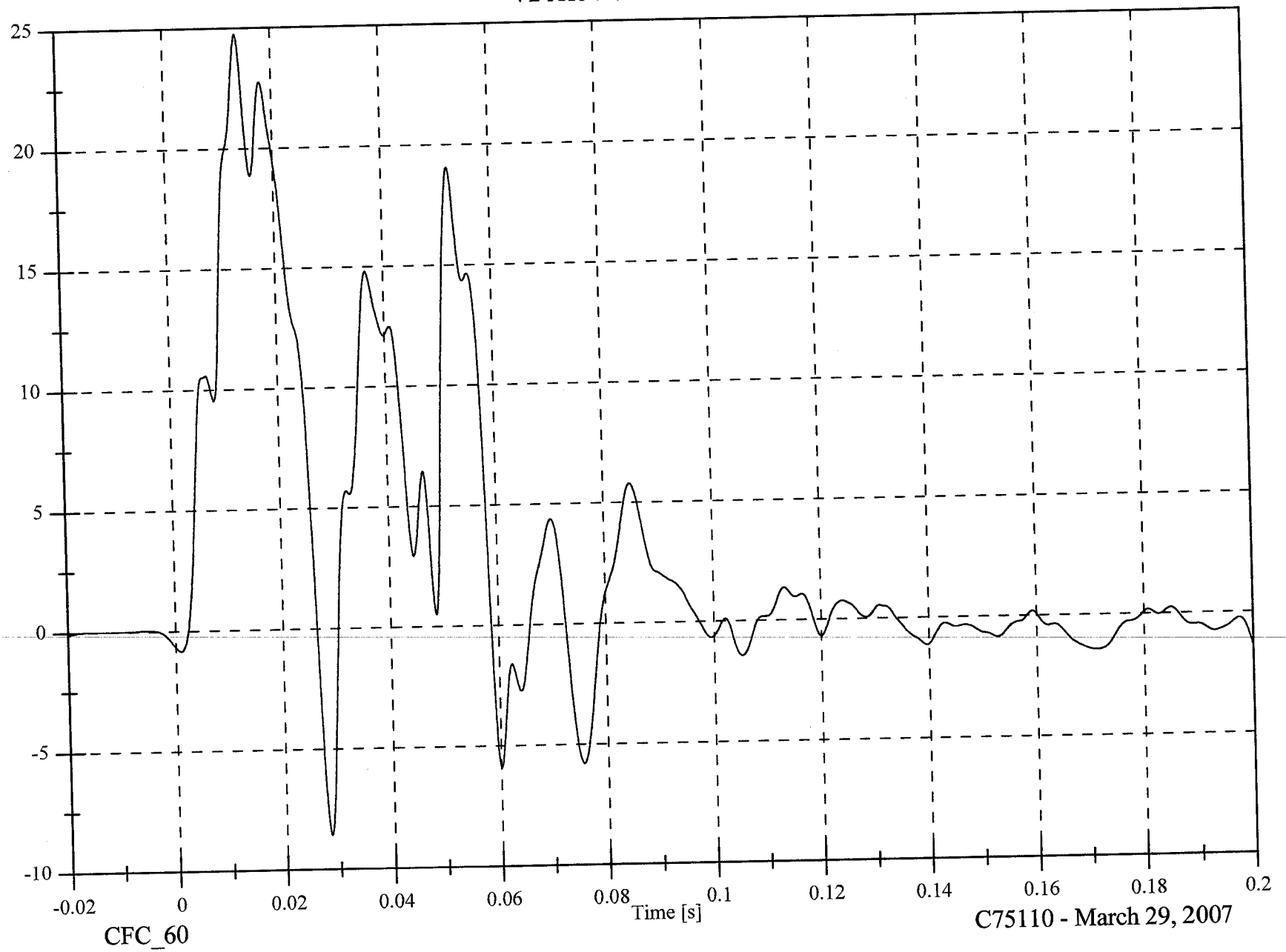
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A15 Left Mid A Post Y

Max: 24.8 [g] at 0.013 [s]

Min: -8.6 [g] at 0.028 [s]



B-77

8675-F214-37

CFC_60

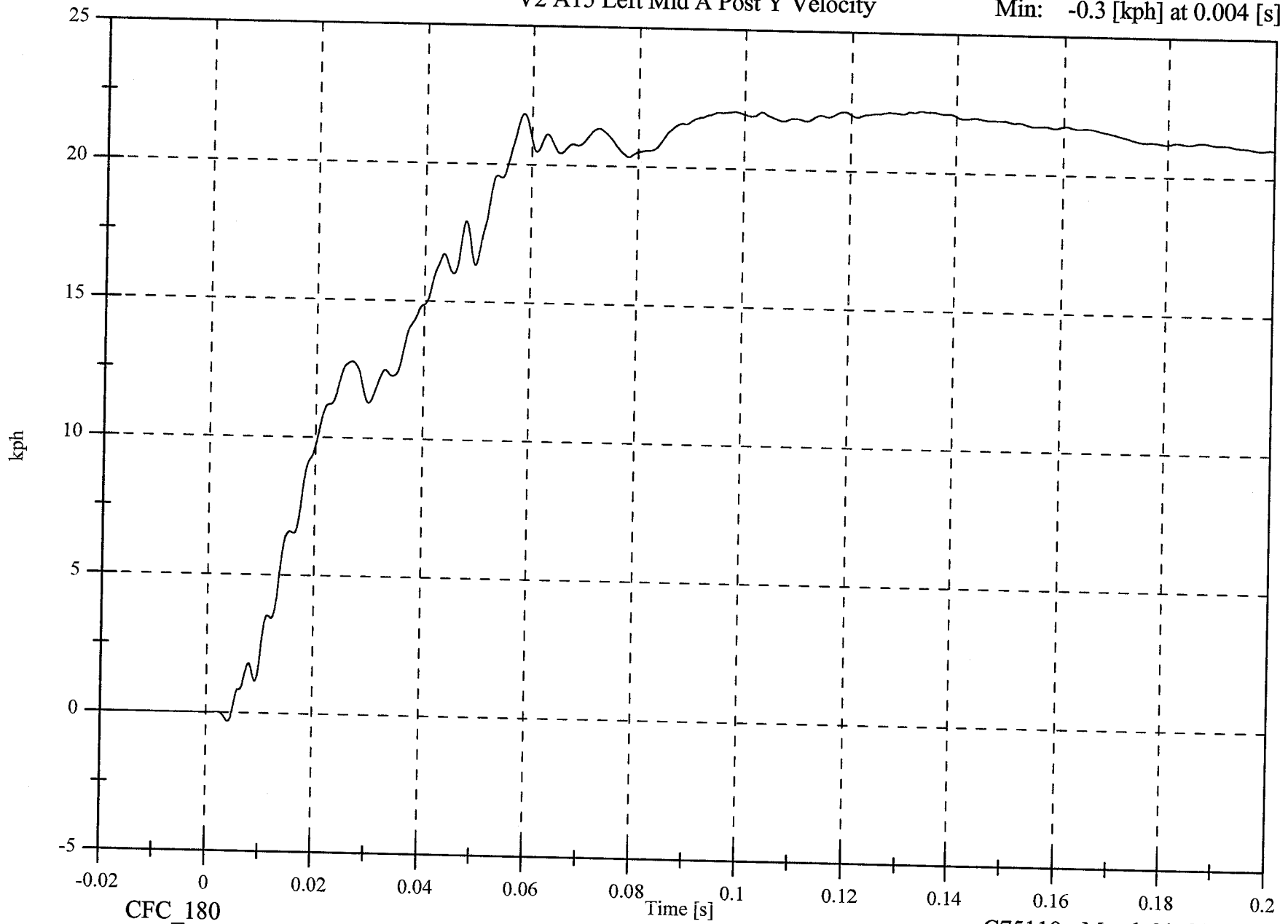
Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2 A15 Left Mid A Post Y Velocity

Max: 22.2 [kph] at 0.133 [s]
Min: -0.3 [kph] at 0.004 [s]



B-78

8675-F214-37

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

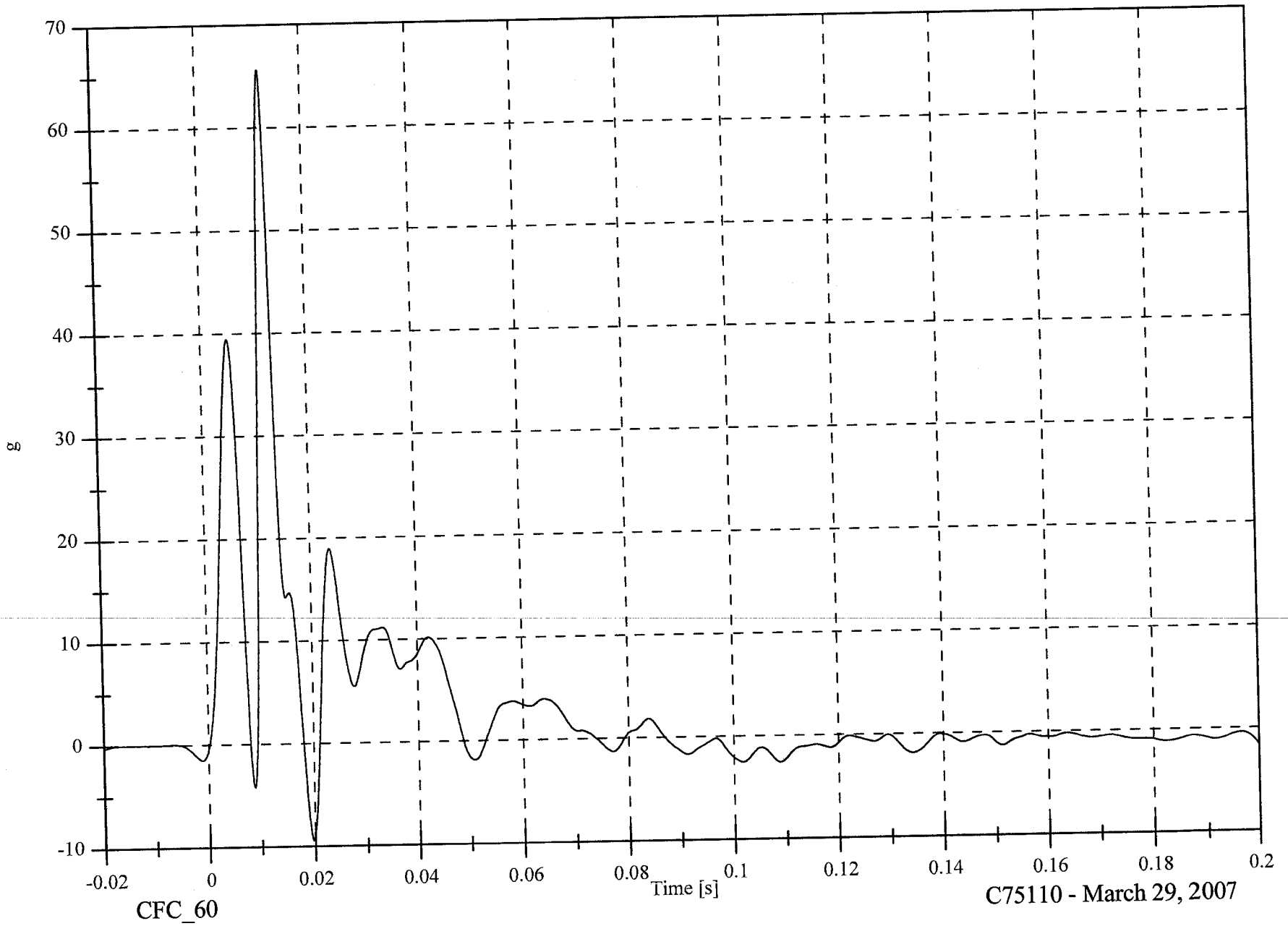
V2 A16 Front Seat Track Y

Max: 65.7 [g] at 0.012 [s]

Min: -9.4 [g] at 0.020 [s]

B-79

8675-F214-37

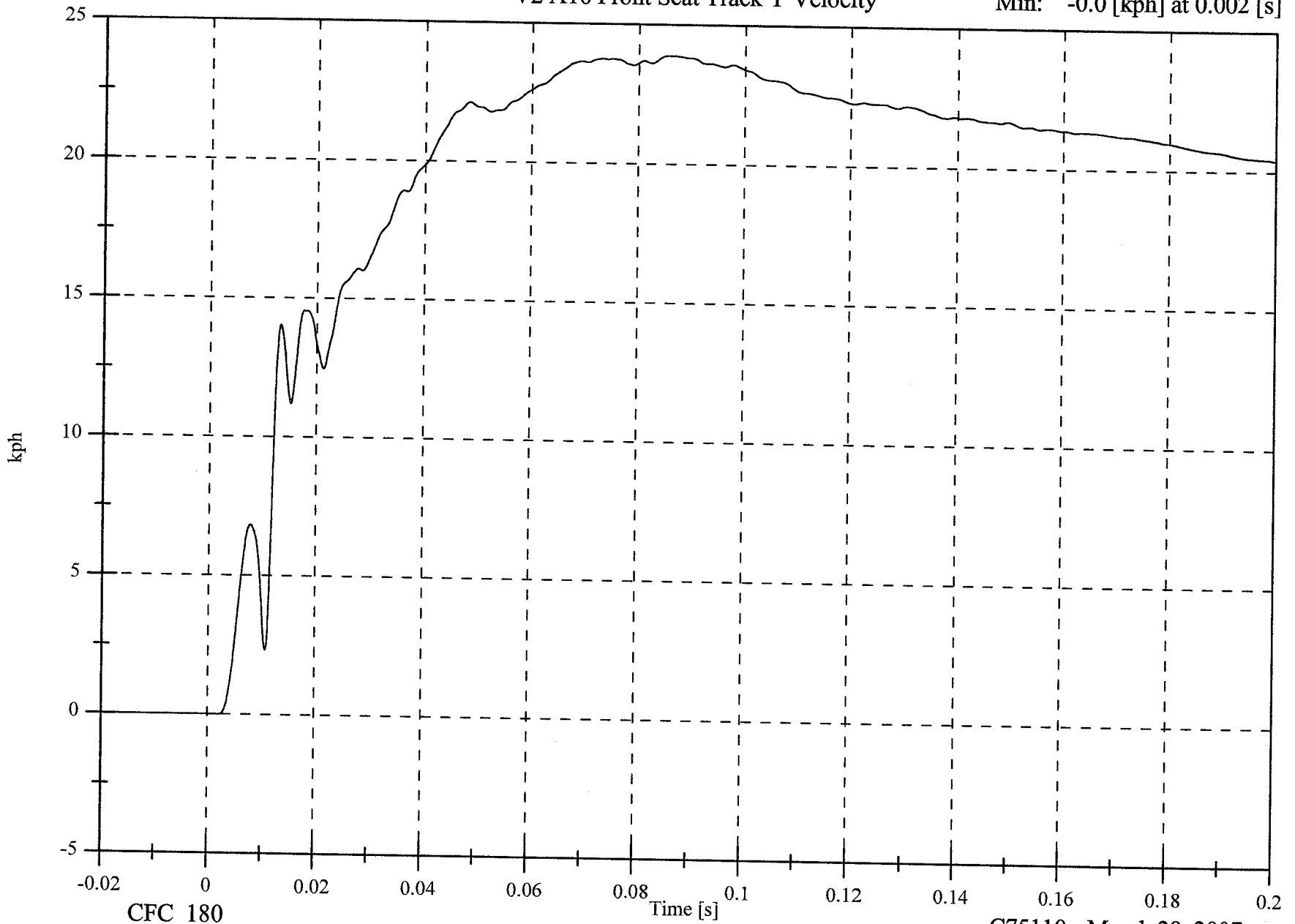


2007 214D Test 7 2007 Toyota Yaris

V2 A16 Front Seat Track Y Velocity

Max: 23.9 [kph] at 0.085 [s]

Min: -0.0 [kph] at 0.002 [s]



B-80

8675-F214-37

CFC_180

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

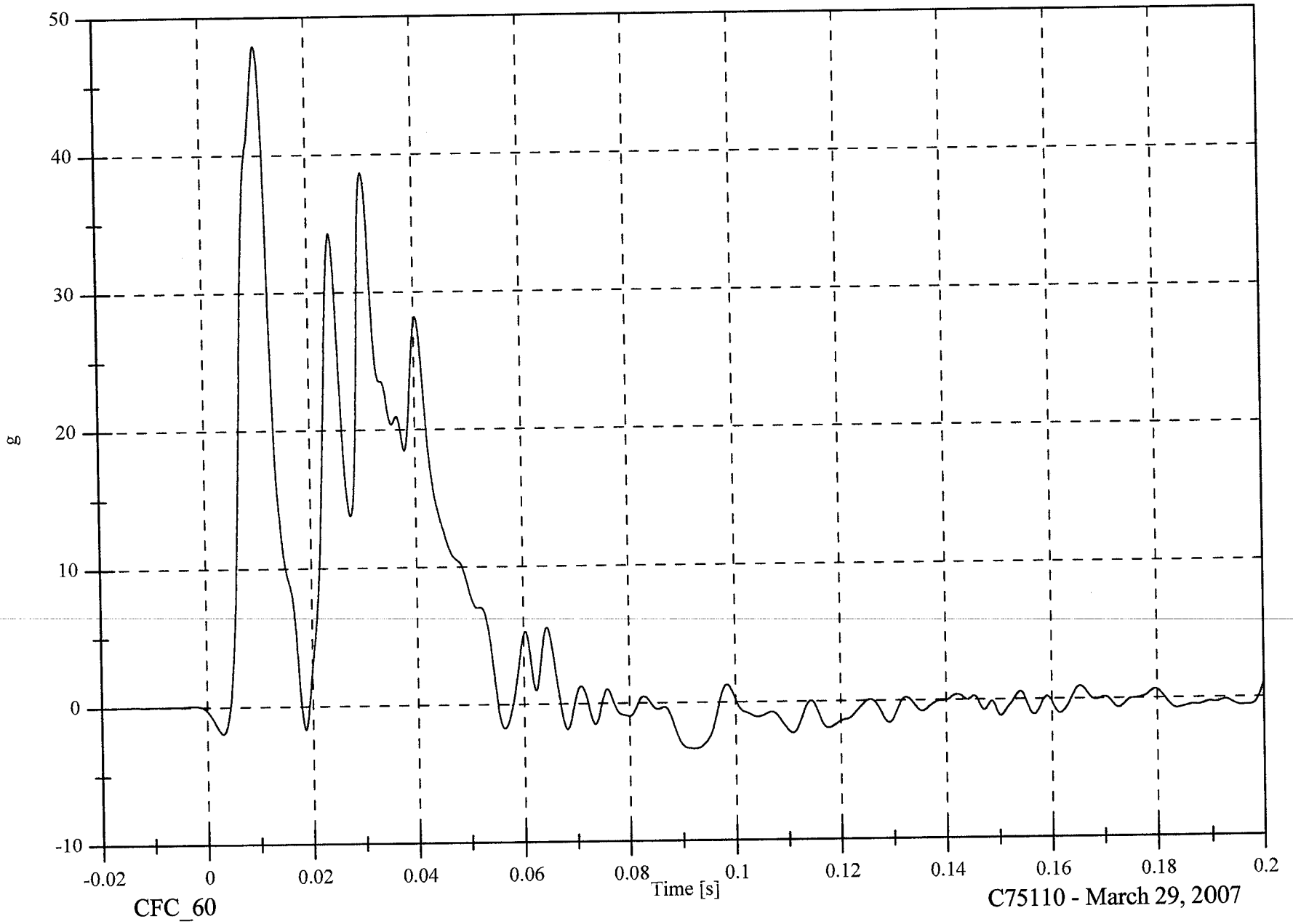
V2 A17 Rear Seat Track Y

Max: 47.9 [g] at 0.010 [s]

Min: -3.4 [g] at 0.092 [s]

B-81

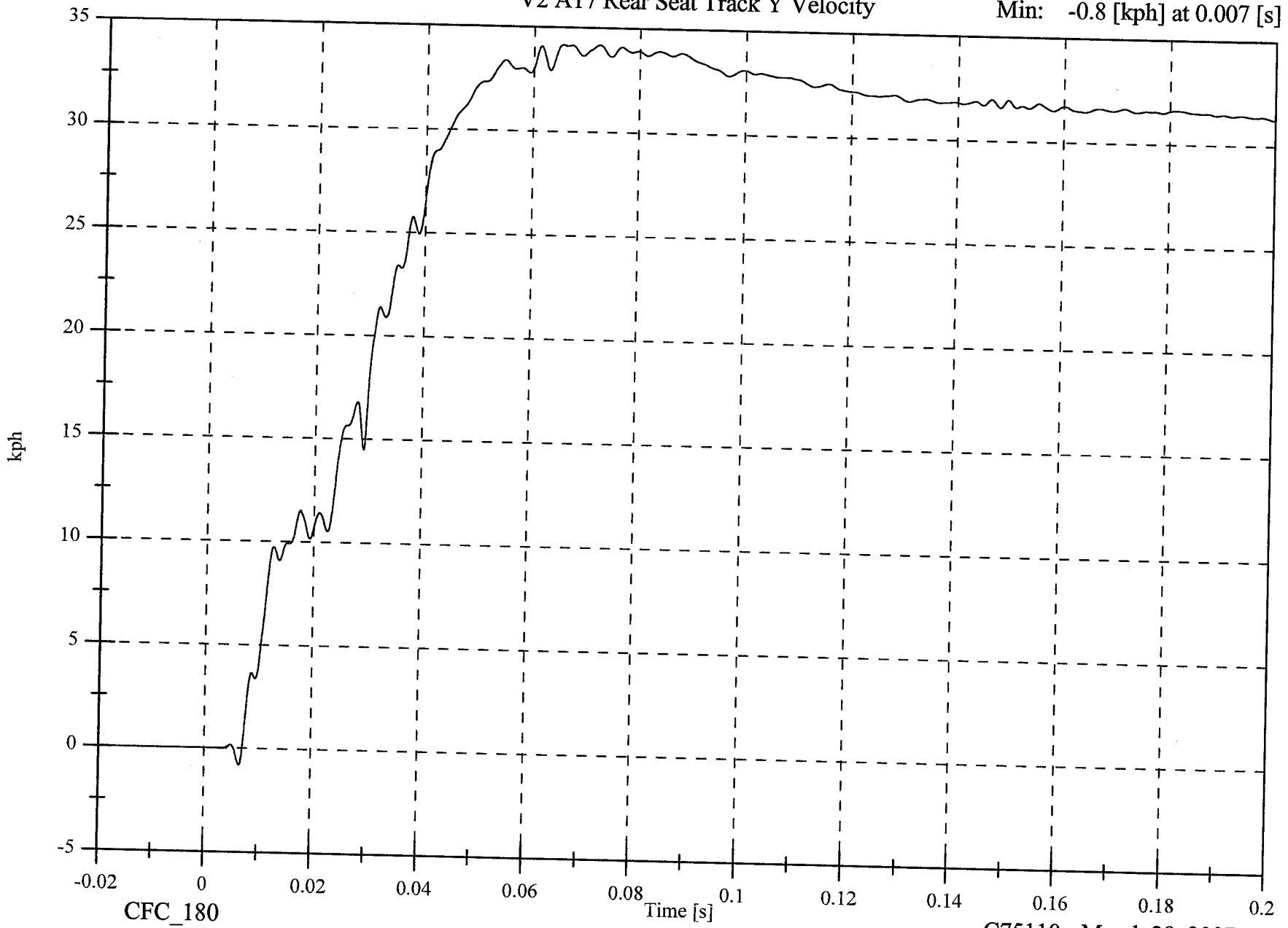
8675-F214-37



2007 214D Test 7 2007 Toyota Yaris

V2 A17 Rear Seat Track Y Velocity

Max: 34.2 [kph] at 0.072 [s]
Min: -0.8 [kph] at 0.007 [s]



B-82

8675-F214-37

C75110 - March 29, 2007

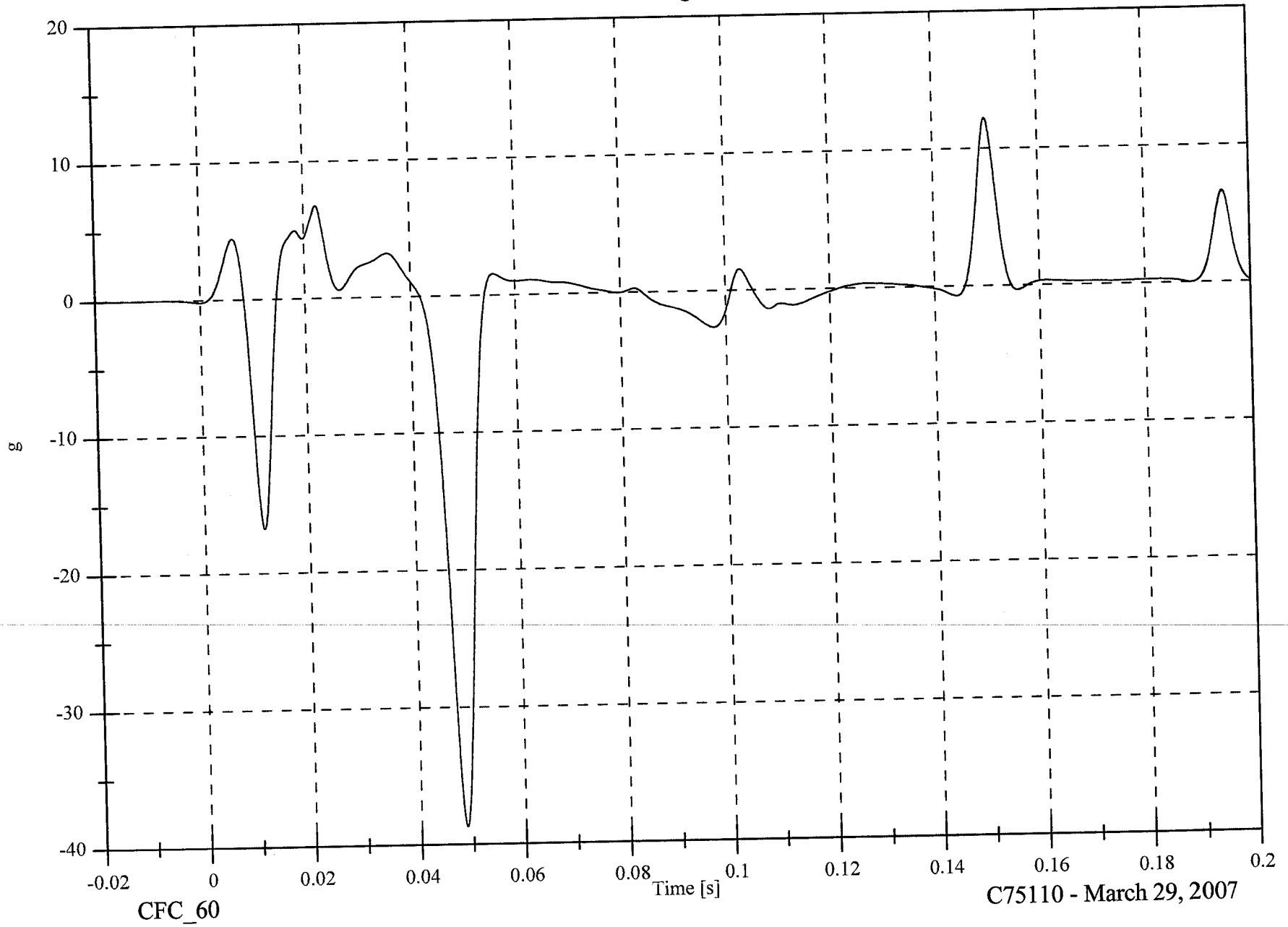
2007 214D Test 7 2007 Toyota Yaris

V2 A18 Target CG X

Max: 12.2 [g] at 0.150 [s]
Min: -38.7 [g] at 0.049 [s]

B-83

8675-F214-37

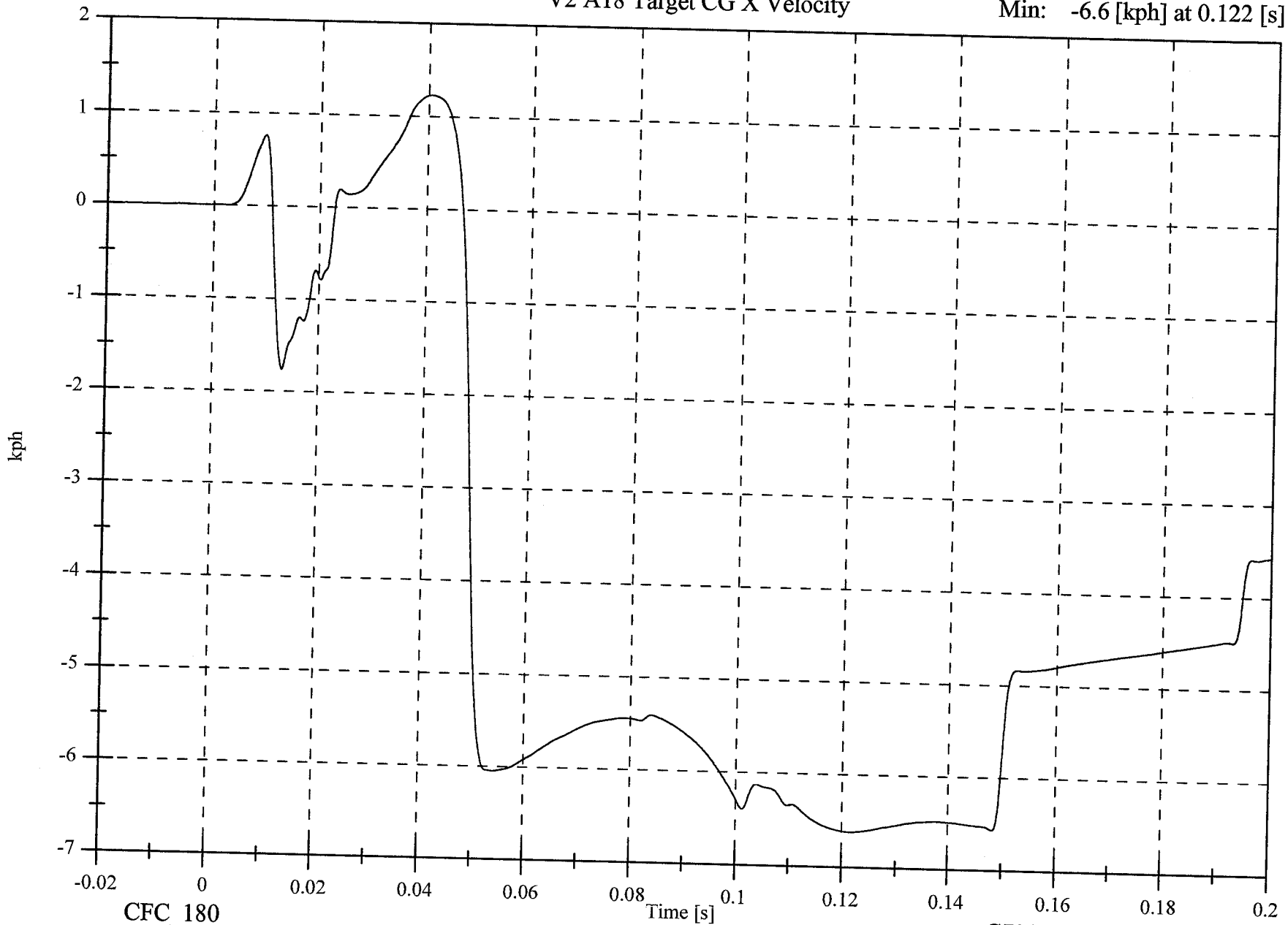


2007 214D Test 7 2007 Toyota Yaris

V2 A18 Target CG X Velocity

Max: 1.2 [kph] at 0.041 [s]

Min: -6.6 [kph] at 0.122 [s]



B-84

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

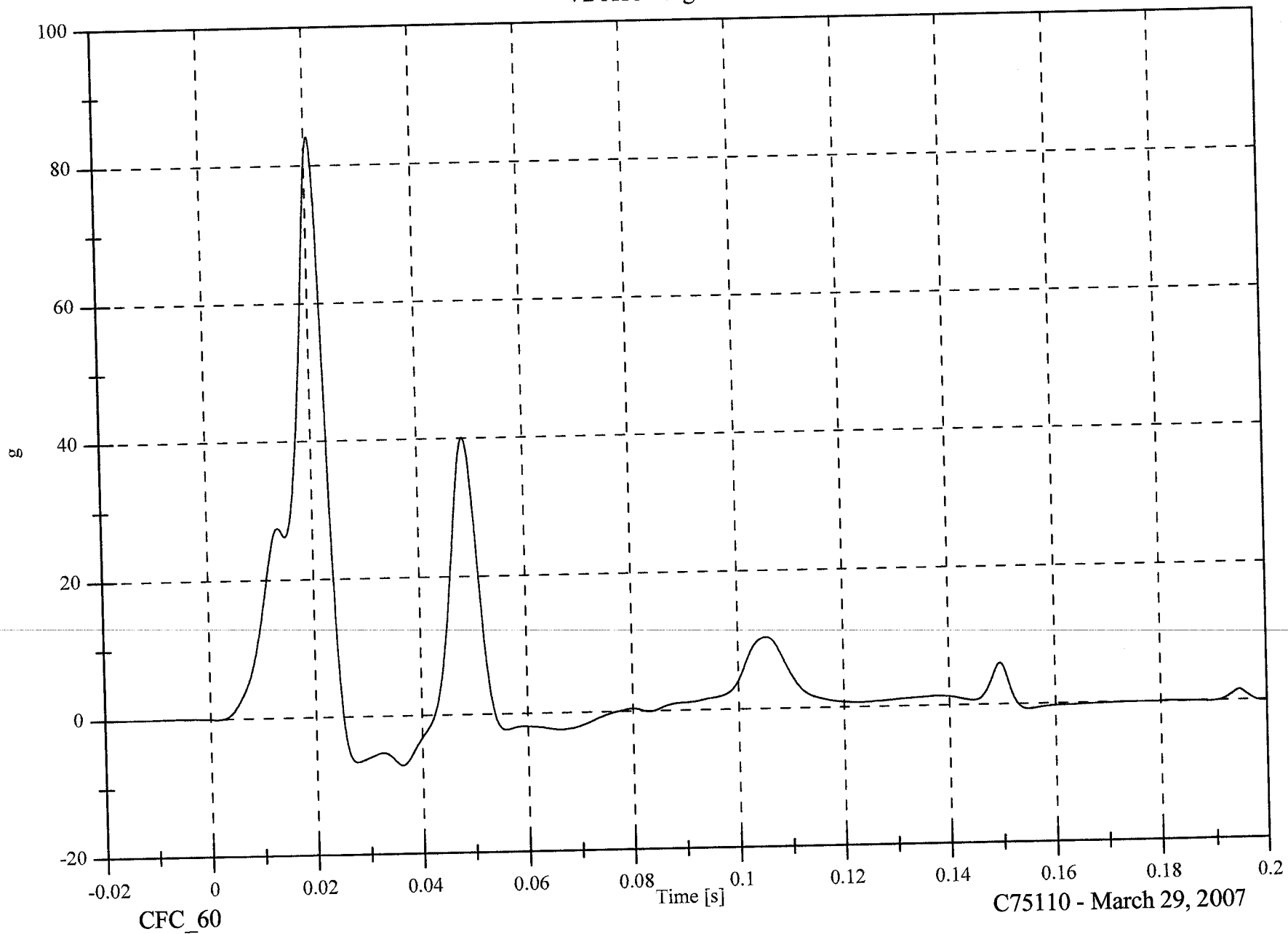
V2 A18 Target CG Y

Max: 84.1 [g] at 0.021 [s]

Min: -7.2 [g] at 0.036 [s]

B-85

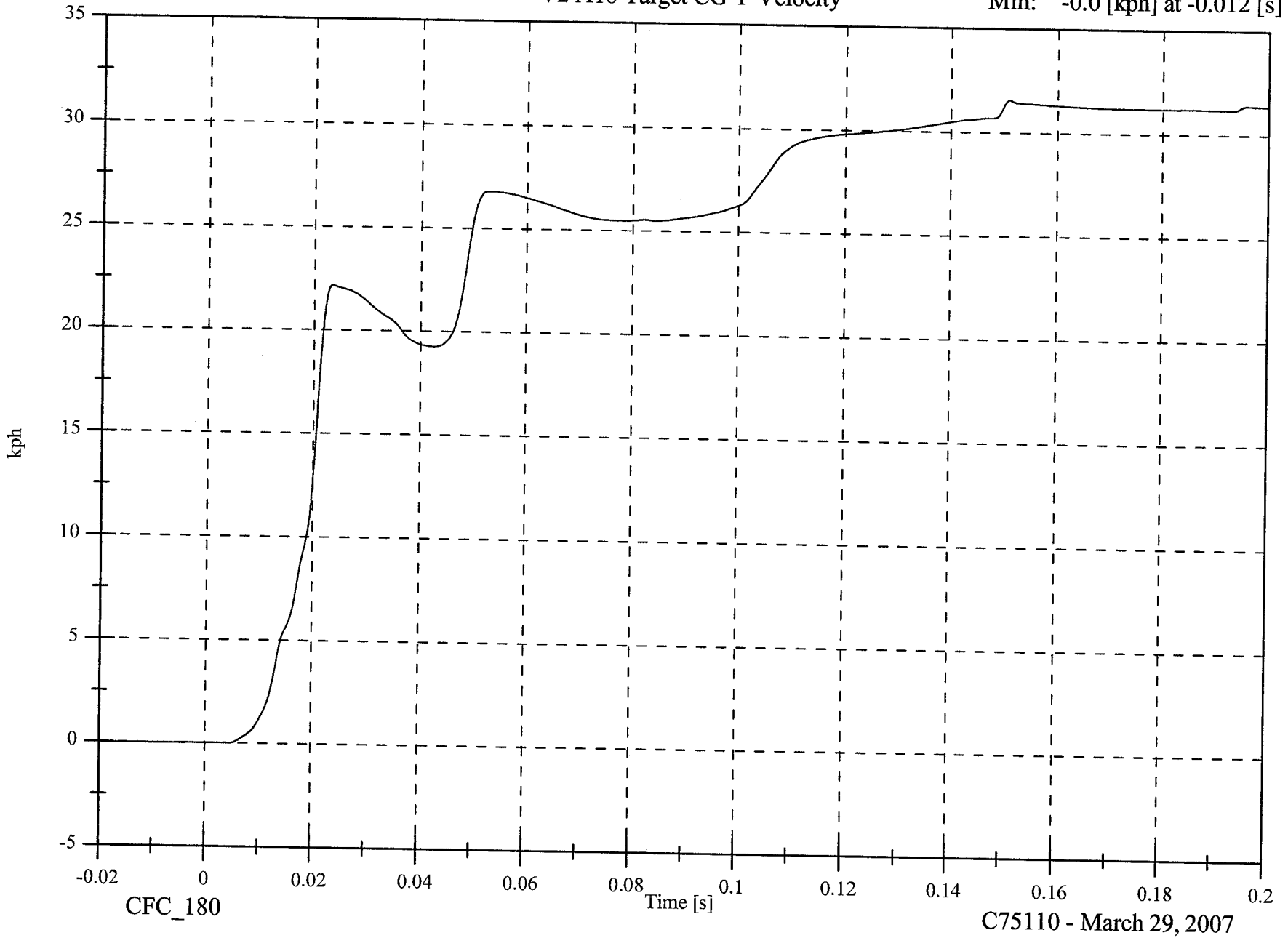
8675-F214-37



2007 214D Test 7 2007 Toyota Yaris

V2 A18 Target CG Y Velocity

Max: 31.6 [kph] at 0.151 [s]
Min: -0.0 [kph] at -0.012 [s]



B-86

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

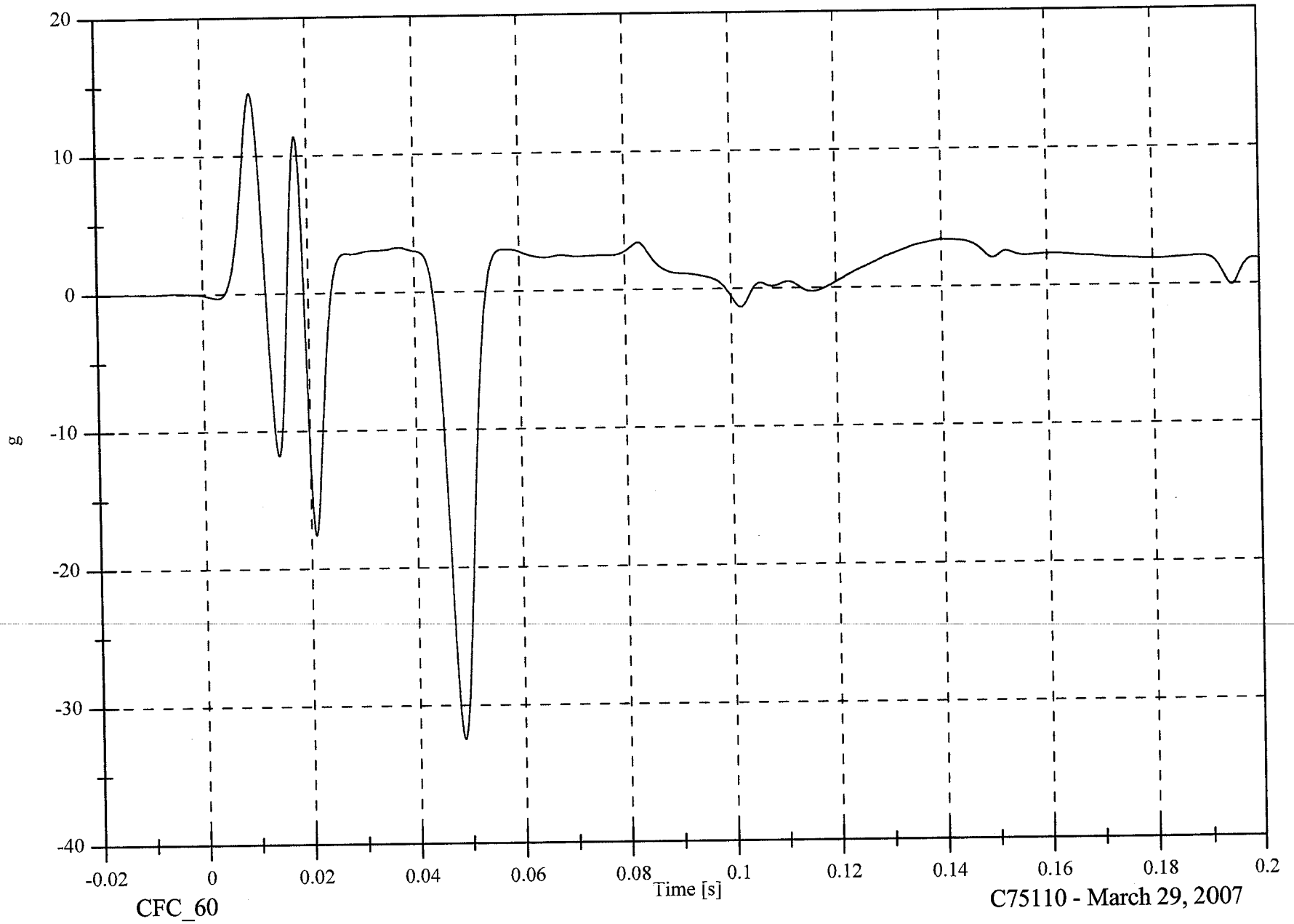
V2 A18 Target CG Z

Max: 14.5 [g] at 0.009 [s]

Min: -32.5 [g] at 0.049 [s]

B-87

8675-F214-37

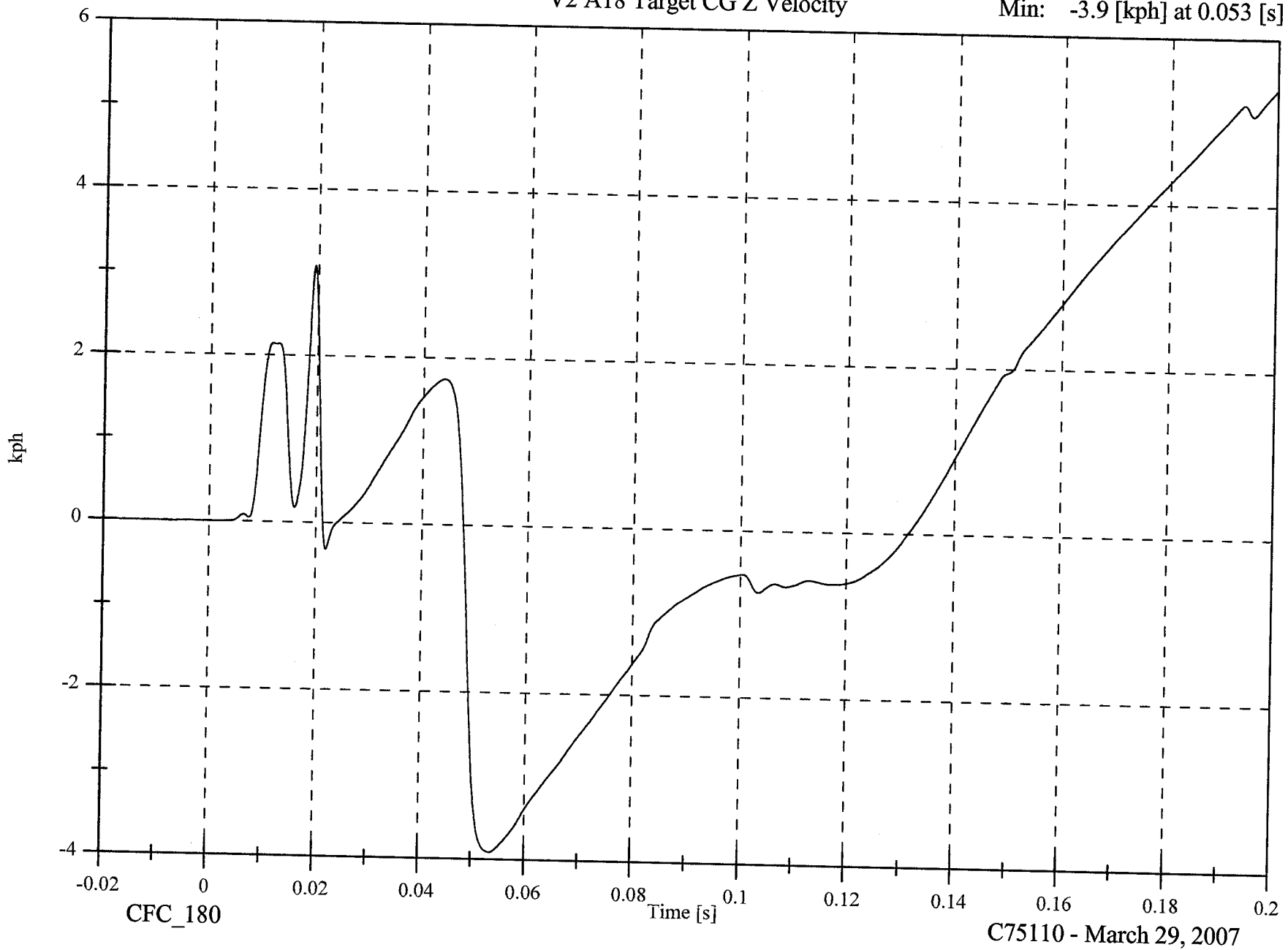


2007 214D Test 7 2007 Toyota Yaris

V2 A18 Target CG Z Velocity

Max: 5.4 [kph] at 0.200 [s]

Min: -3.9 [kph] at 0.053 [s]



B-88

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

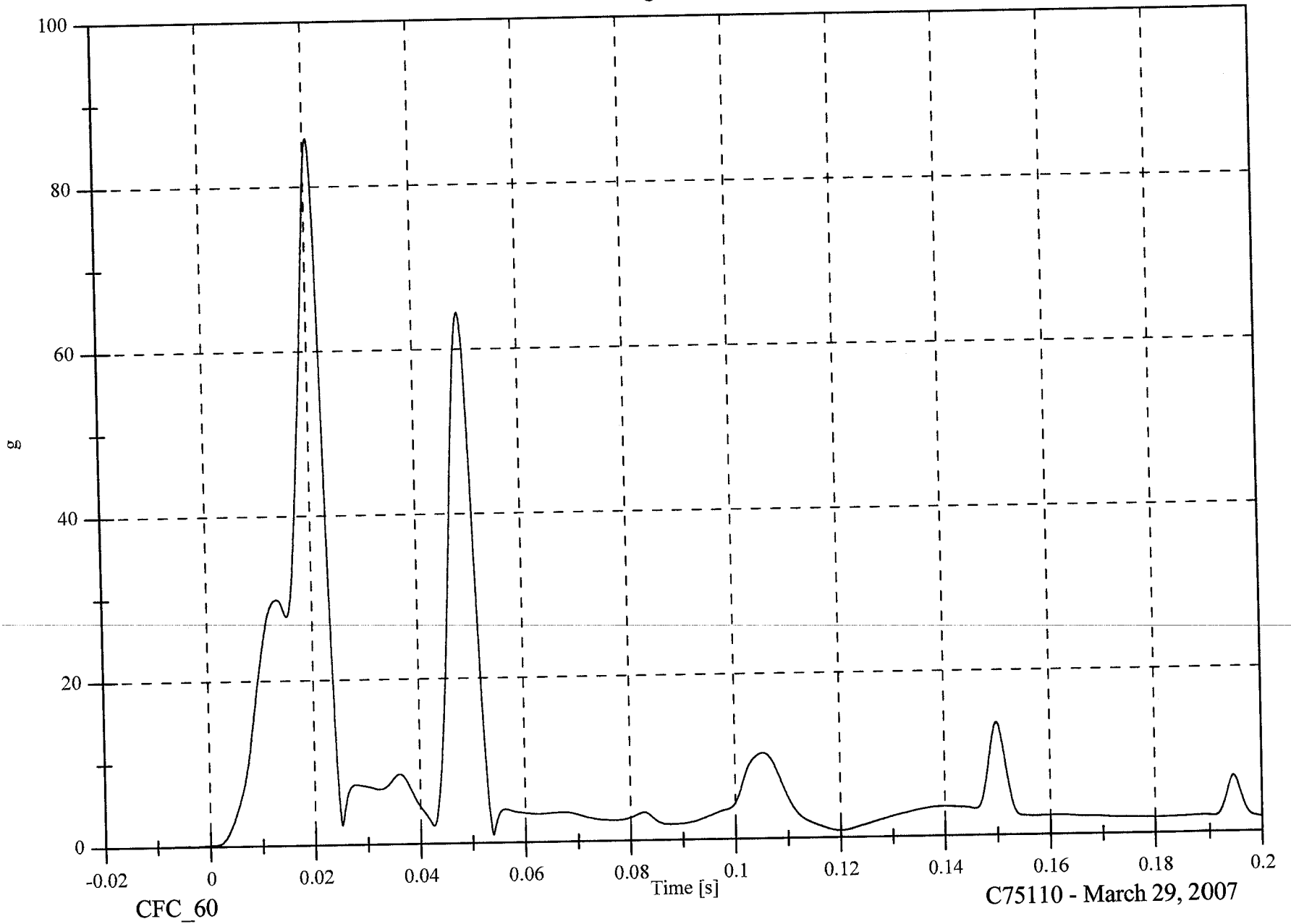
2007 214D Test 7 2007 Toyota Yaris

V2 A18 Target CG Resultant

Max: 85.9 [g] at 0.021 [s]
Min: 0.0 [g] at -0.017 [s]

B-89

8675-F214-37



2007 214D Test 7 2007 Toyota Yaris

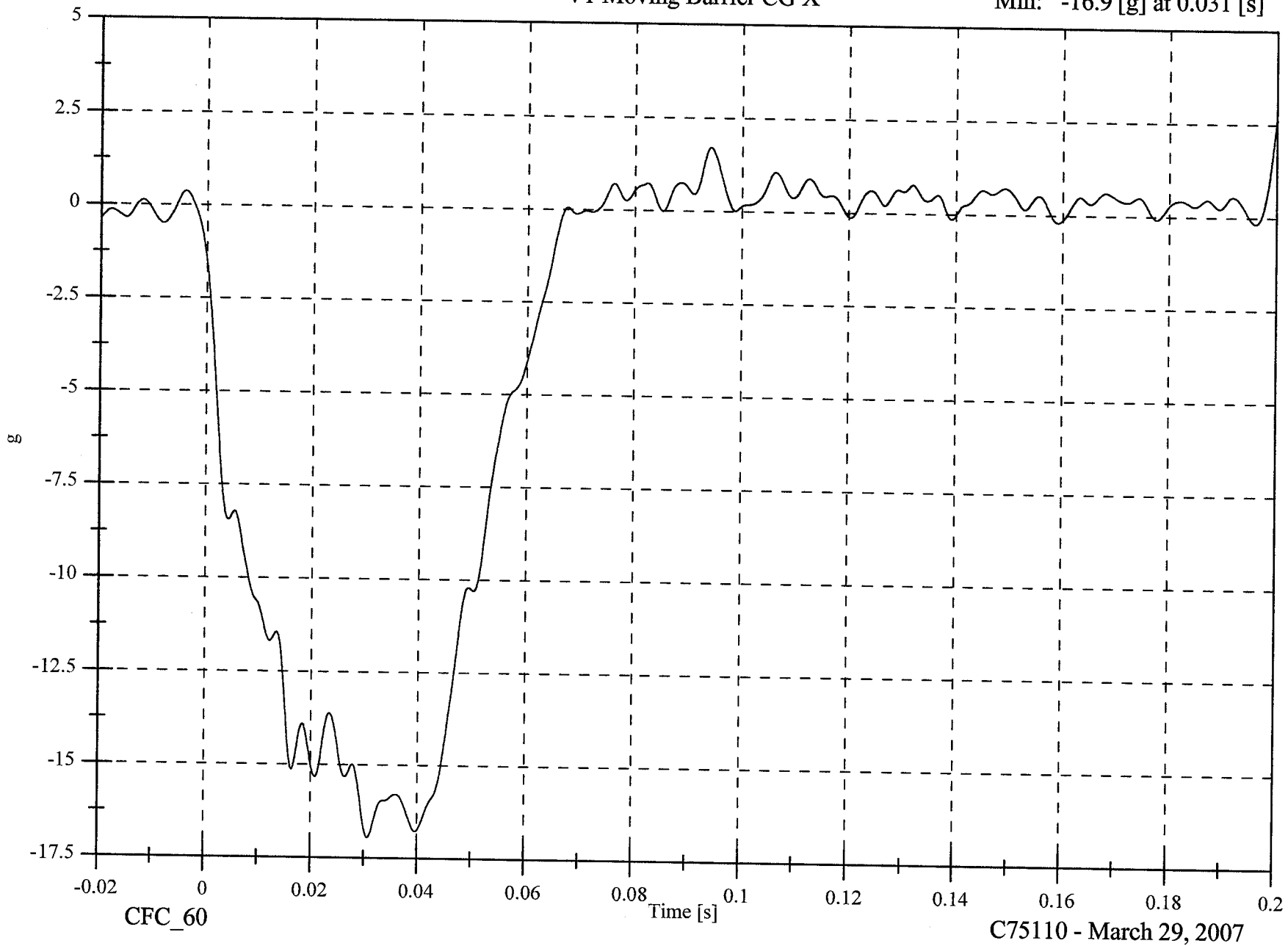
V1 Moving Barrier CG X

Max: 2.7 [g] at 0.200 [s]

Min: -16.9 [g] at 0.031 [s]

B-90

8675-F214-37



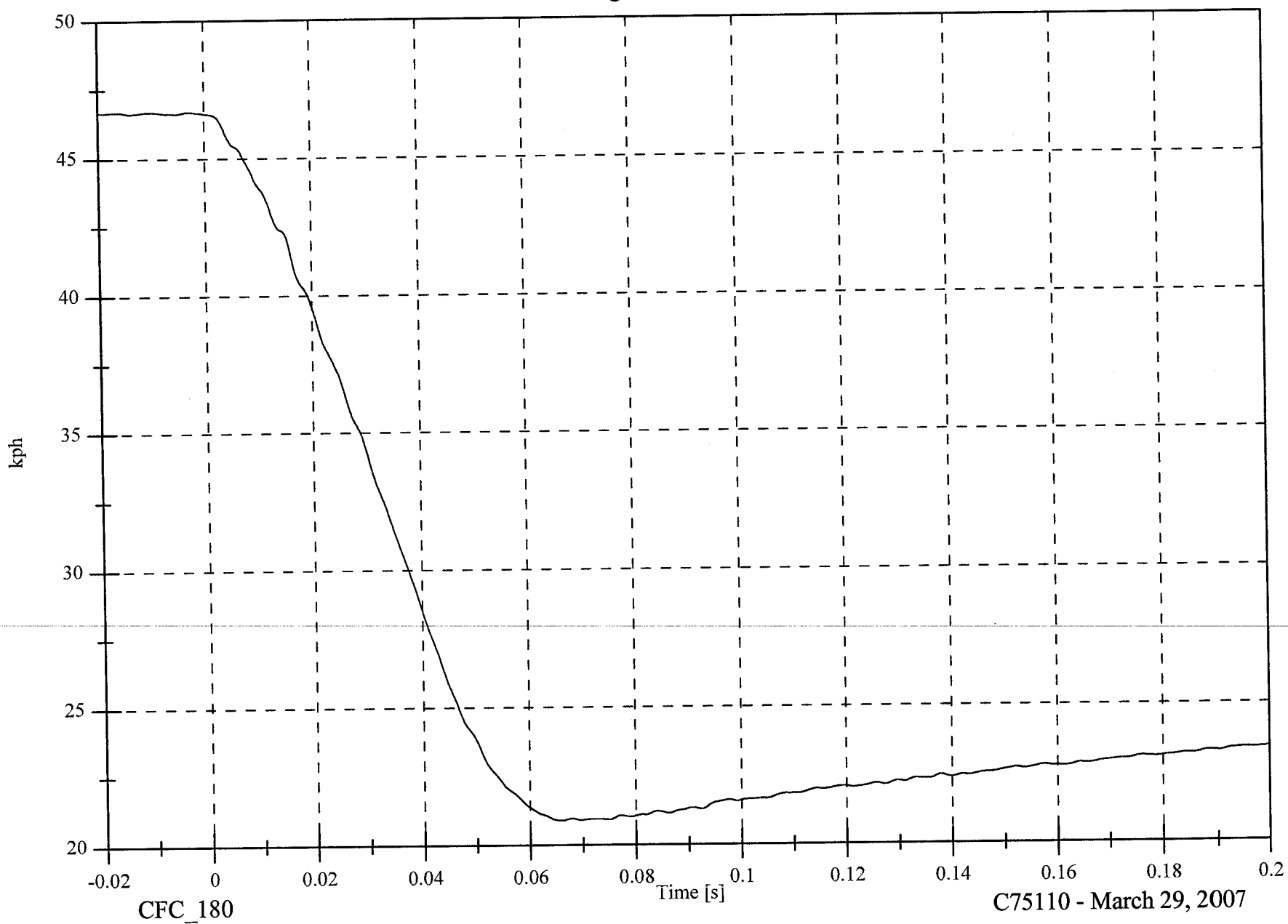
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier CG X Velocity

Max: 46.7 [kph] at -0.003 [s]

Min: 20.9 [kph] at 0.066 [s]



B-91

8675-F214-37

2007 214D Test 7 2007 Toyota Yaris

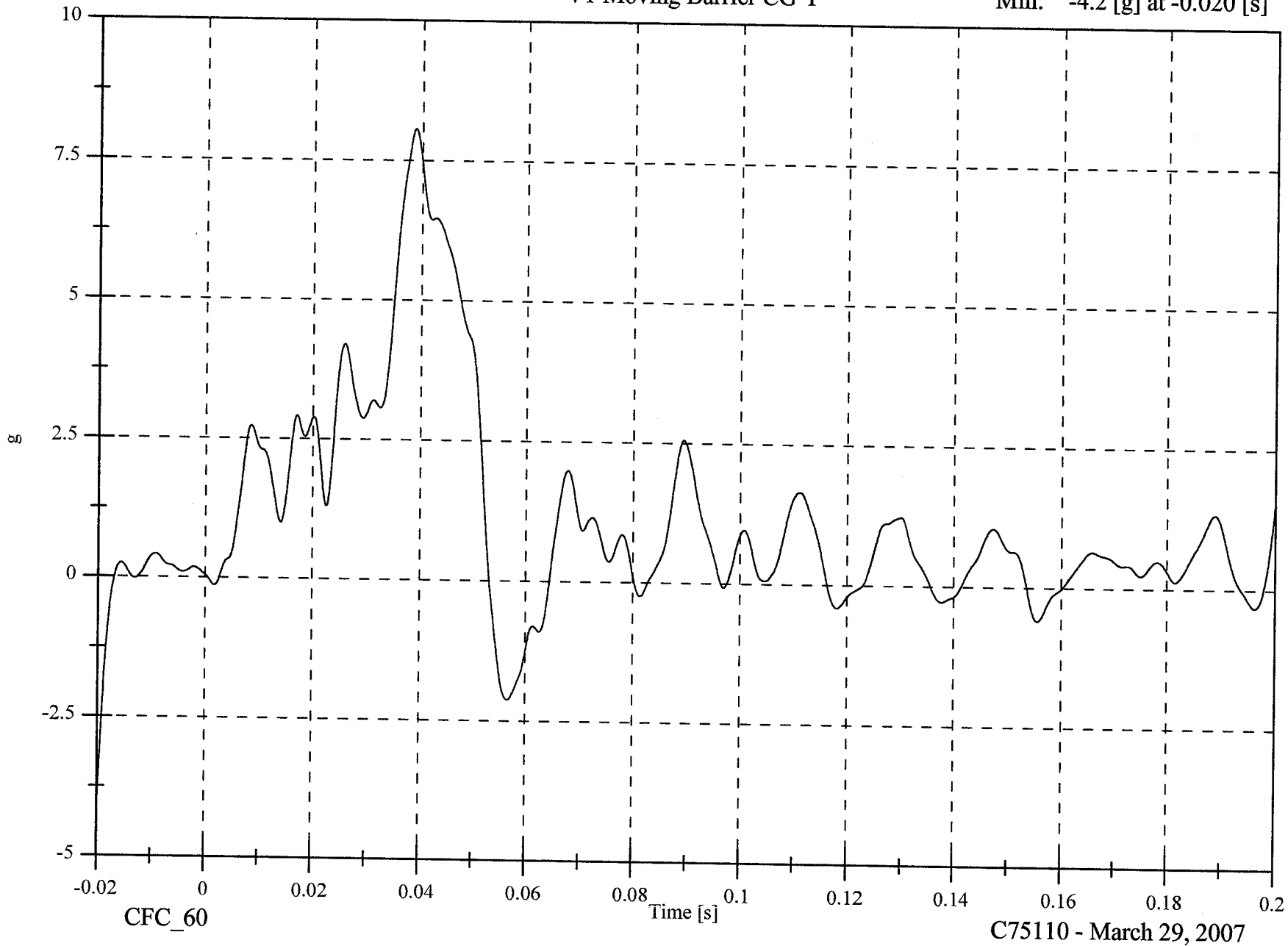
V1 Moving Barrier CG Y

Max: 8.1 [g] at 0.039 [s]

Min: -4.2 [g] at -0.020 [s]

B-92

8675-F214-37

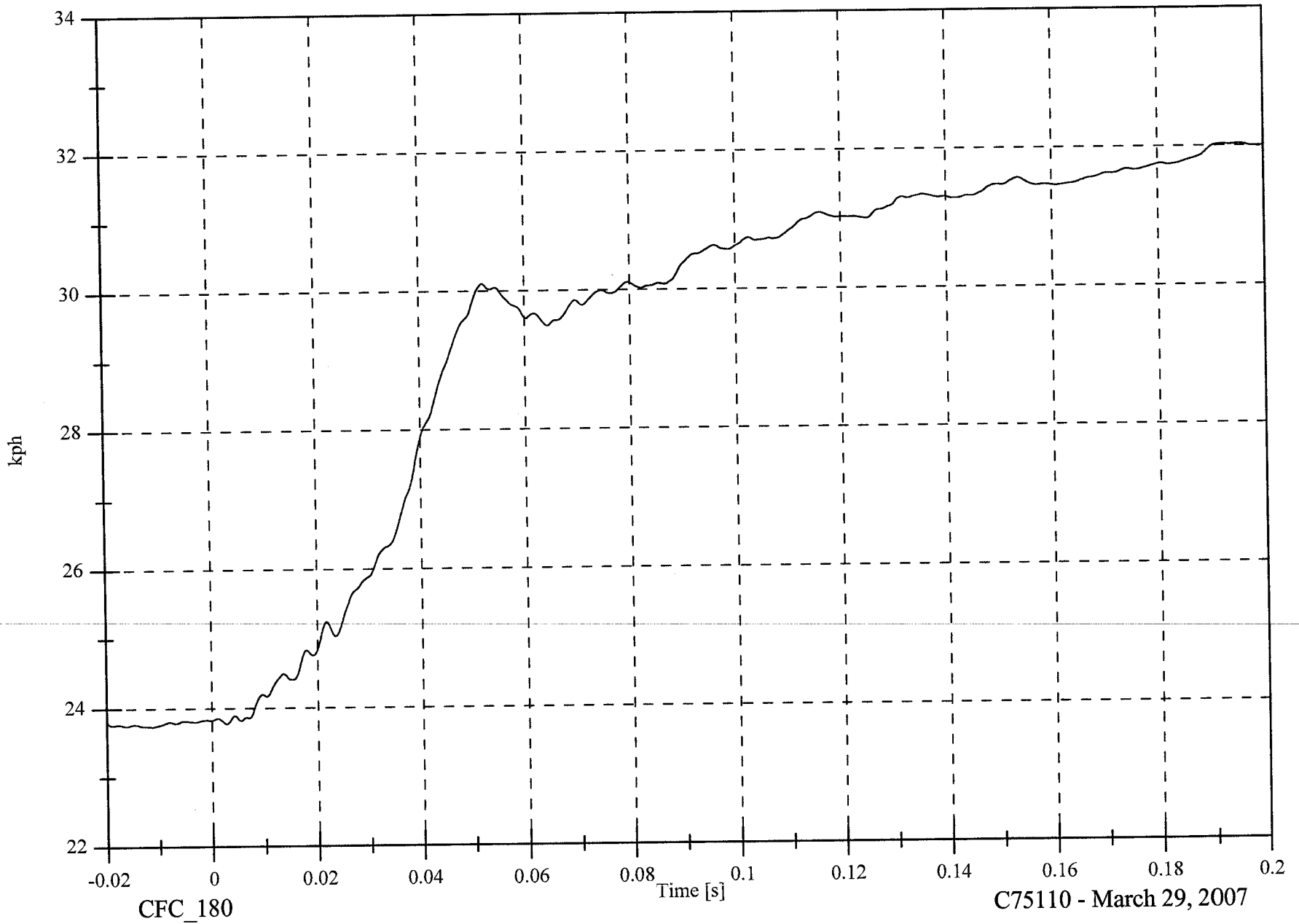


2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier CG Y Velocity

Max: 32.0 [kph] at 0.195 [s]

Min: 23.7 [kph] at -0.011 [s]



B-93

8675-F214-37

CFC_180

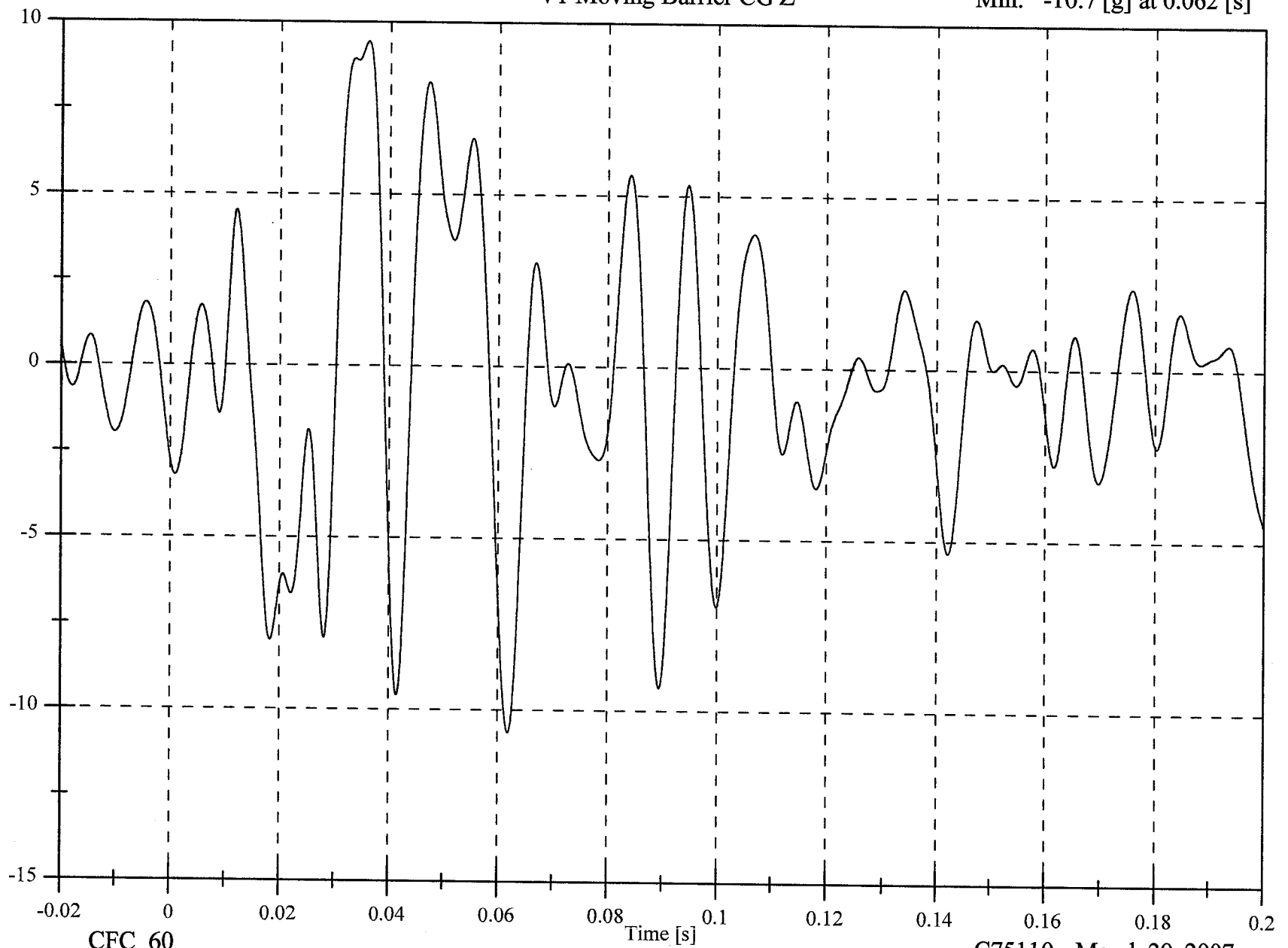
Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier CG Z

Max: 9.4 [g] at 0.036 [s]
Min: -10.7 [g] at 0.062 [s]



B-94

8675-F214-37

CFC_60

Time [s]

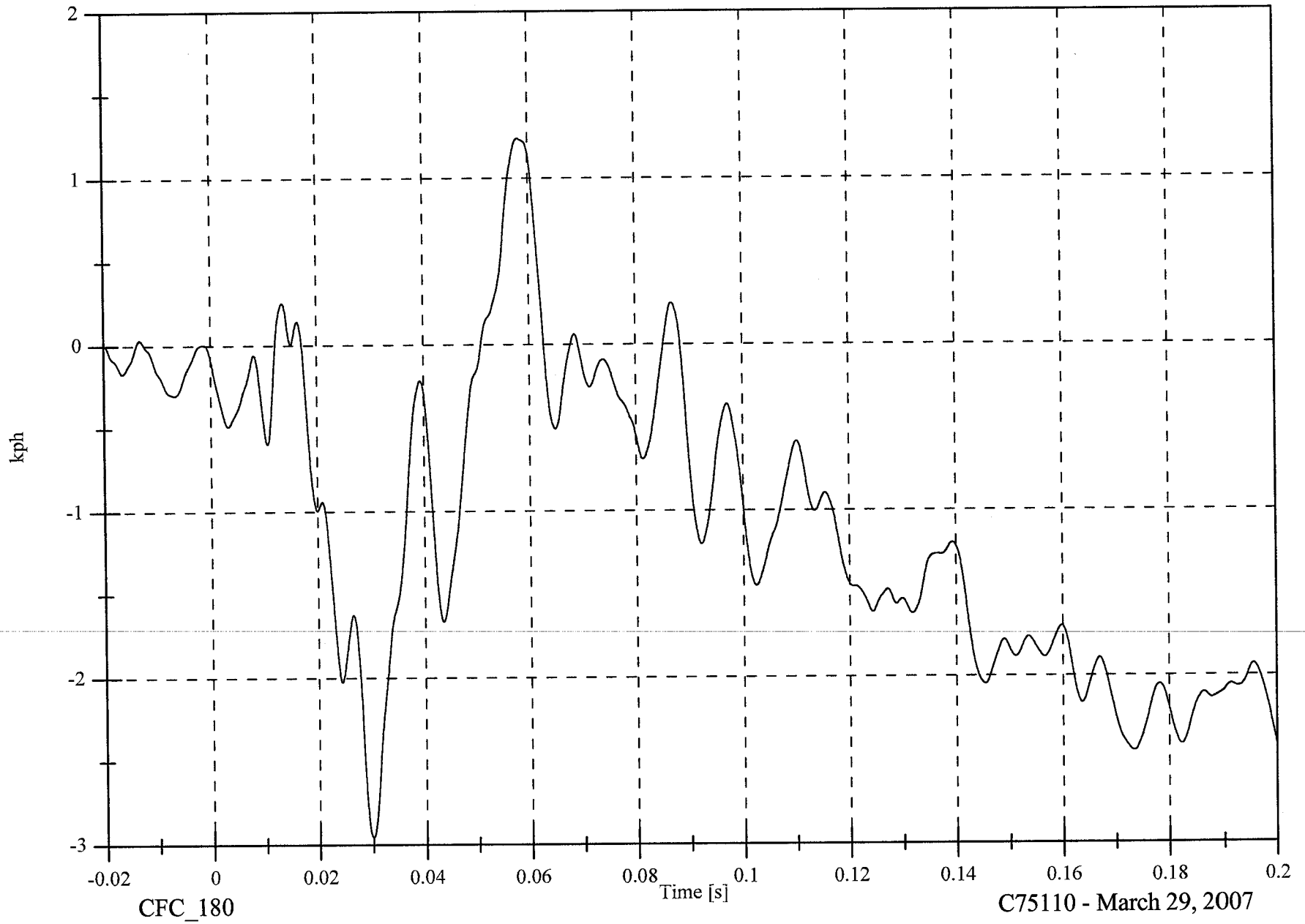
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

Max: 1.2 [kph] at 0.058 [s]

V1 Moving Barrier CG Z Velocity

Min: -3.0 [kph] at 0.030 [s]



B-95

8675-F214-37

CFC_180

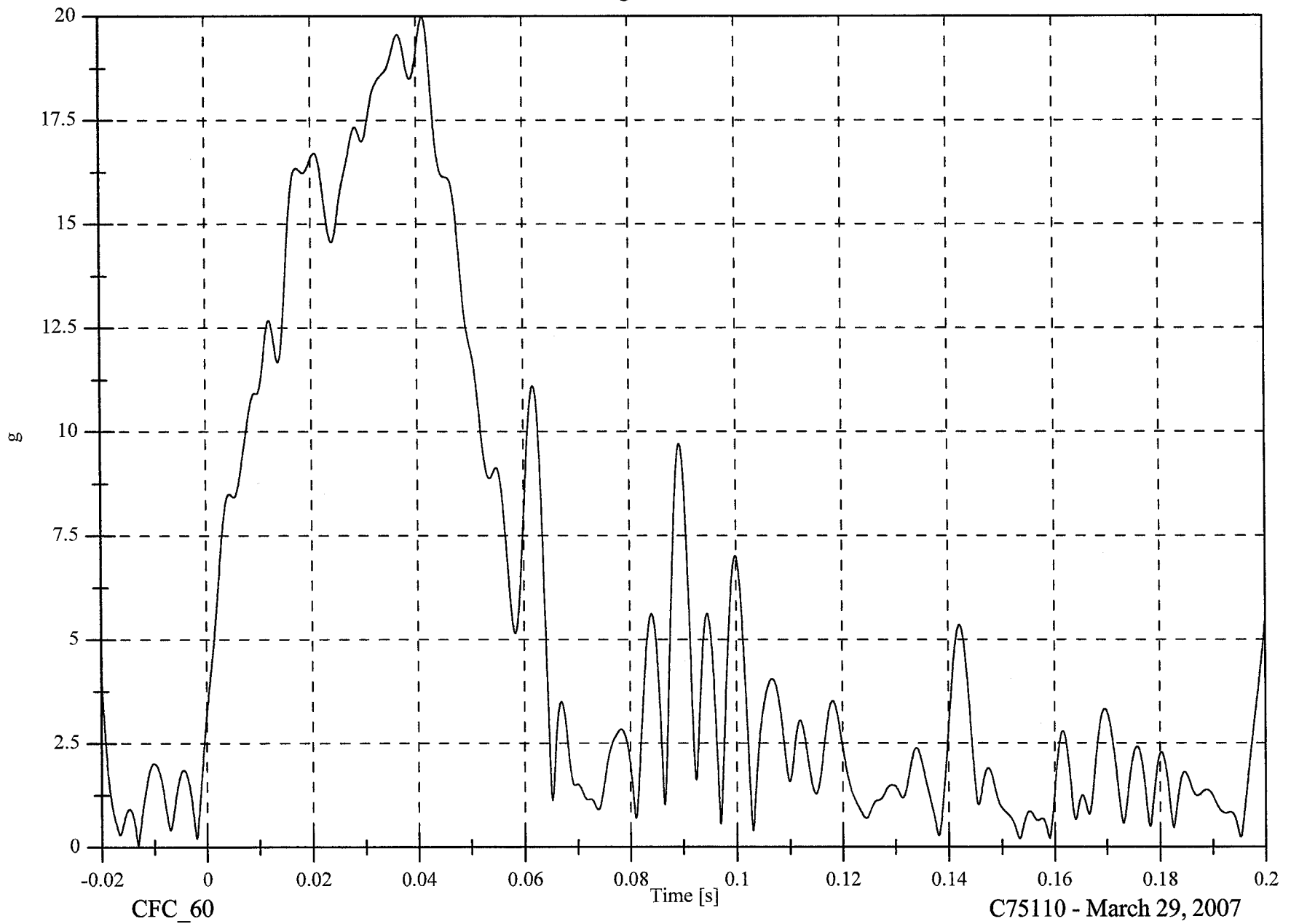
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier CG Resultant

Max: 20.0 [g] at 0.041 [s]

Min: 0.0 [g] at -0.013 [s]



B-96

8675-F214-37

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

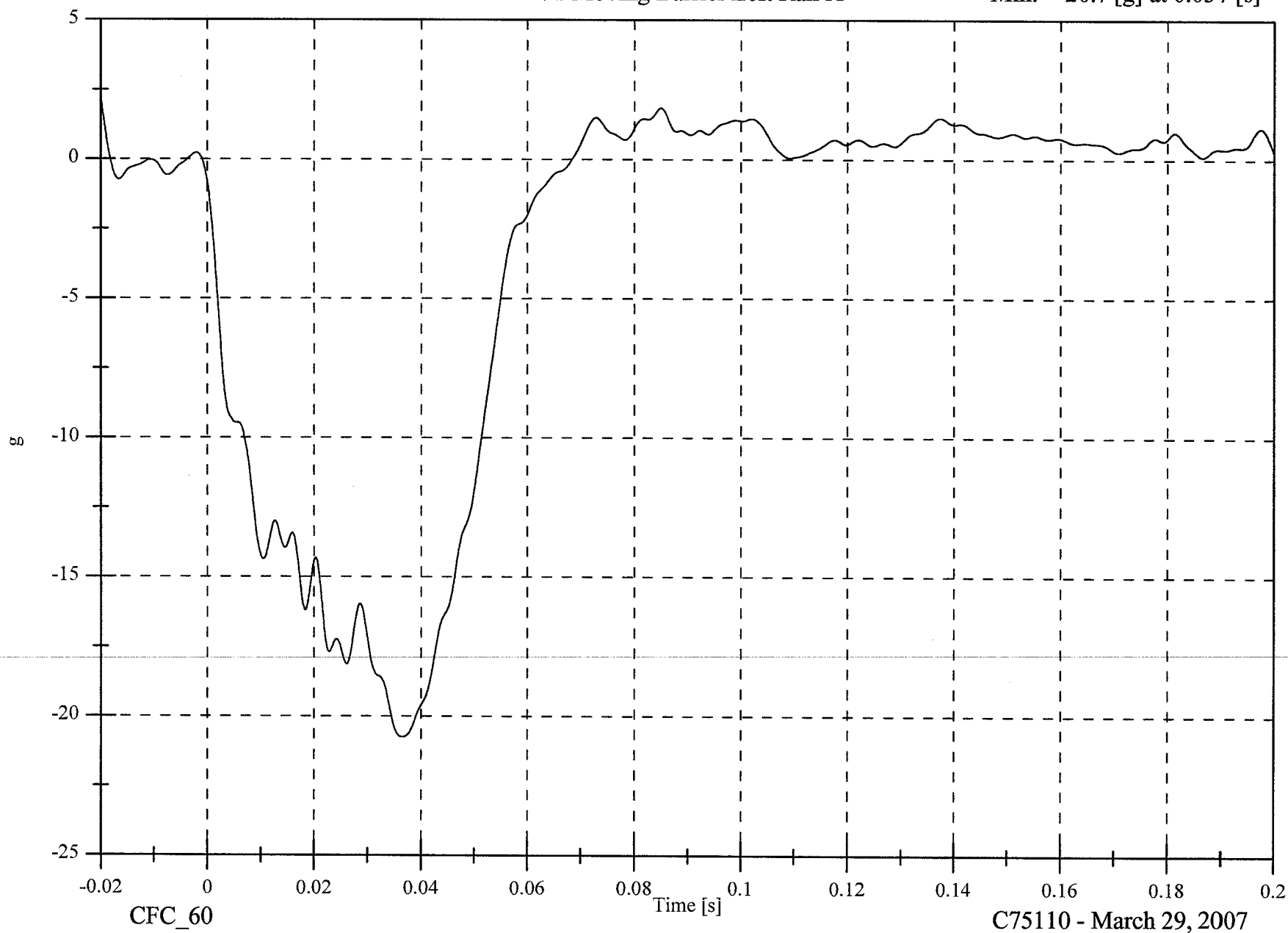
V1 Moving Barrier Left Rail X

Max: 2.3 [g] at -0.020 [s]

Min: -20.7 [g] at 0.037 [s]

B-97

8675-F214-37

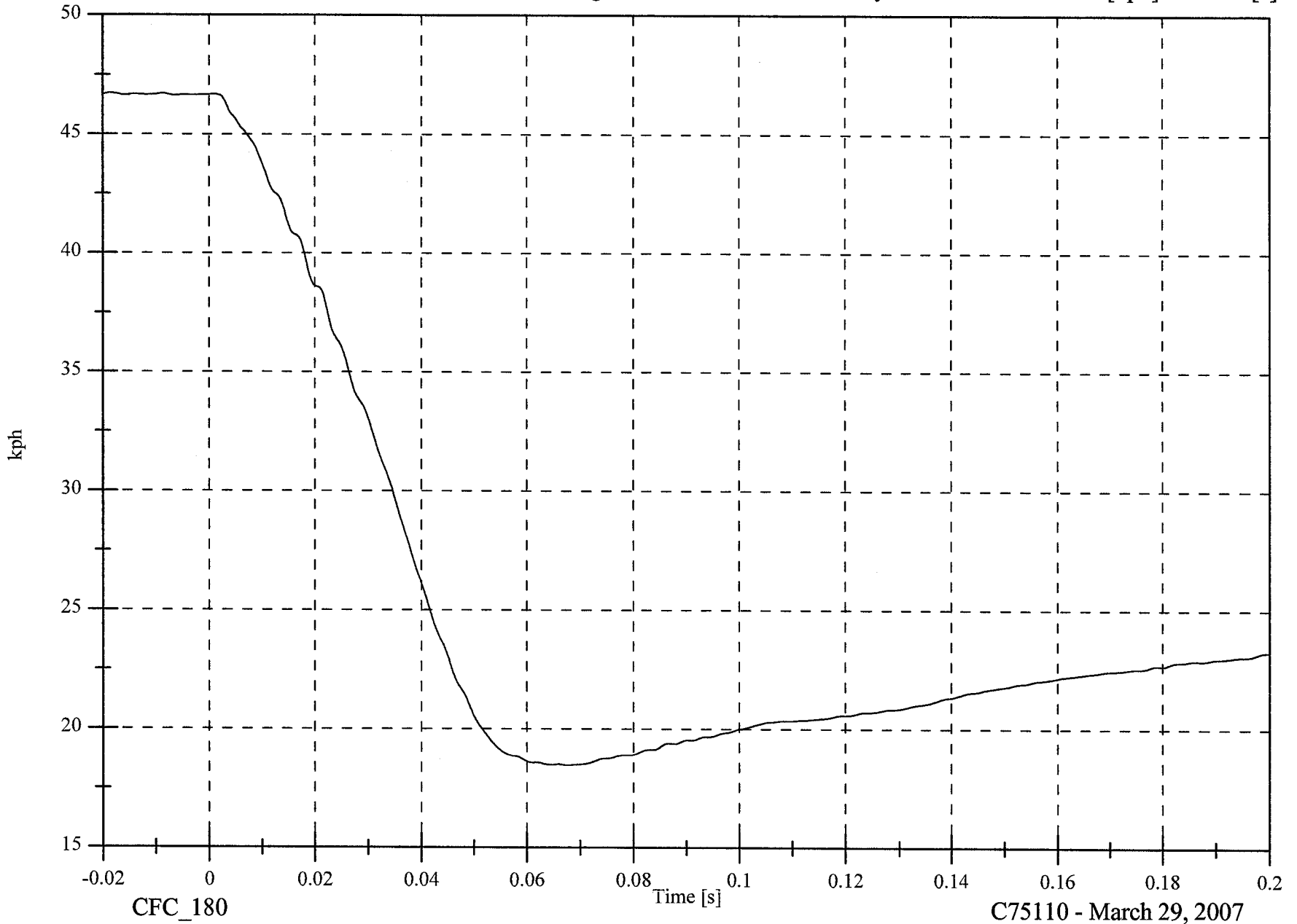


2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier Left Rail X Velocity

Max: 46.7 [kph] at -0.018 [s]

Min: 18.5 [kph] at 0.068 [s]



B-98

8675-F214-37

CFC_180

Time [s]

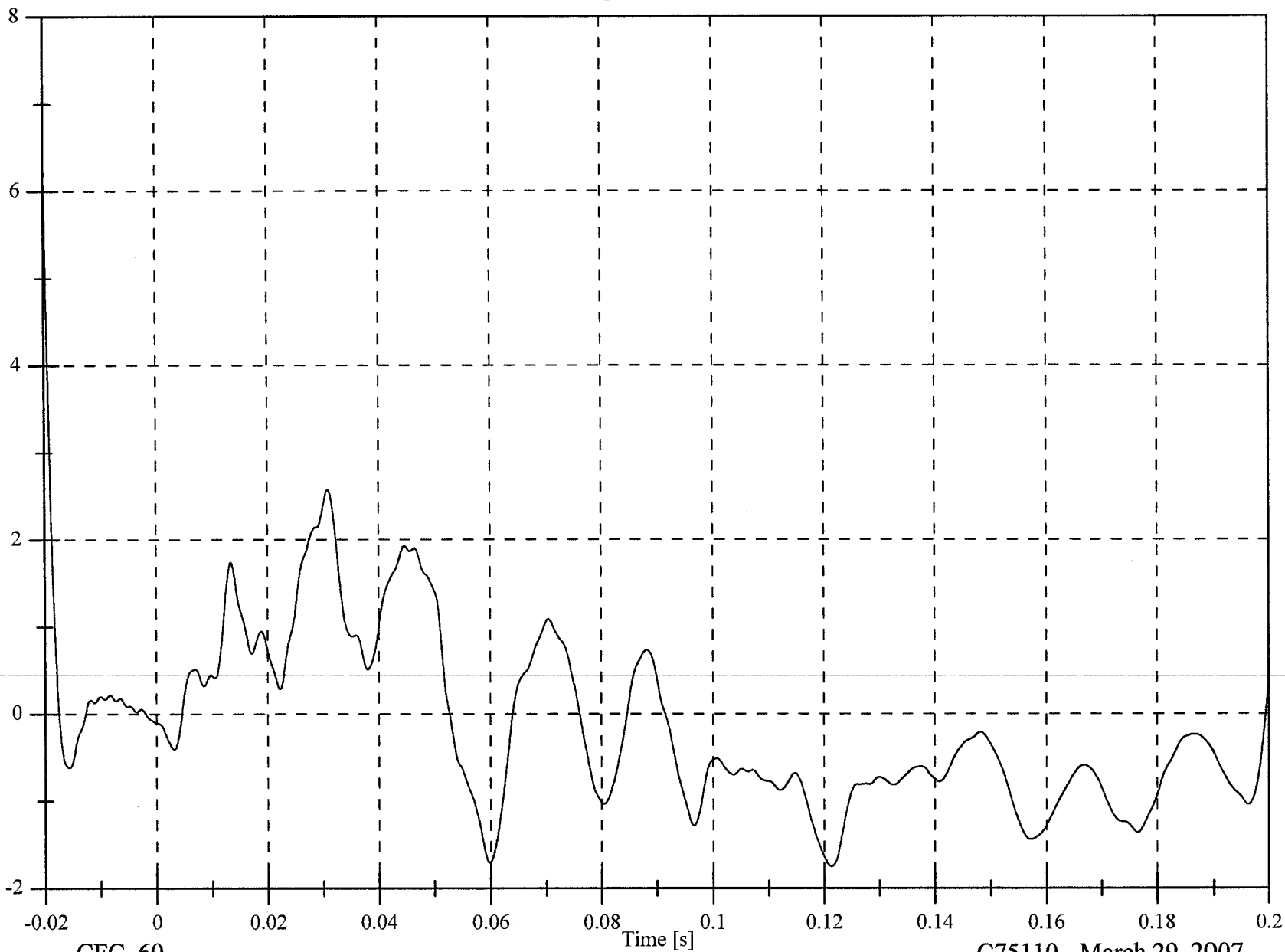
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier Left Rail Y

Max: 6.4 [g] at -0.020 [s]

Min: -1.7 [g] at 0.121 [s]



B-99

8675-F214-37

CFC_60

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V1 Moving Barrier Left Rail Y Velocity

Max: 25.6 [kph] at 0.051 [s]

Min: 21.9 [kph] at 0.200 [s]

B-100

8675-F214-37

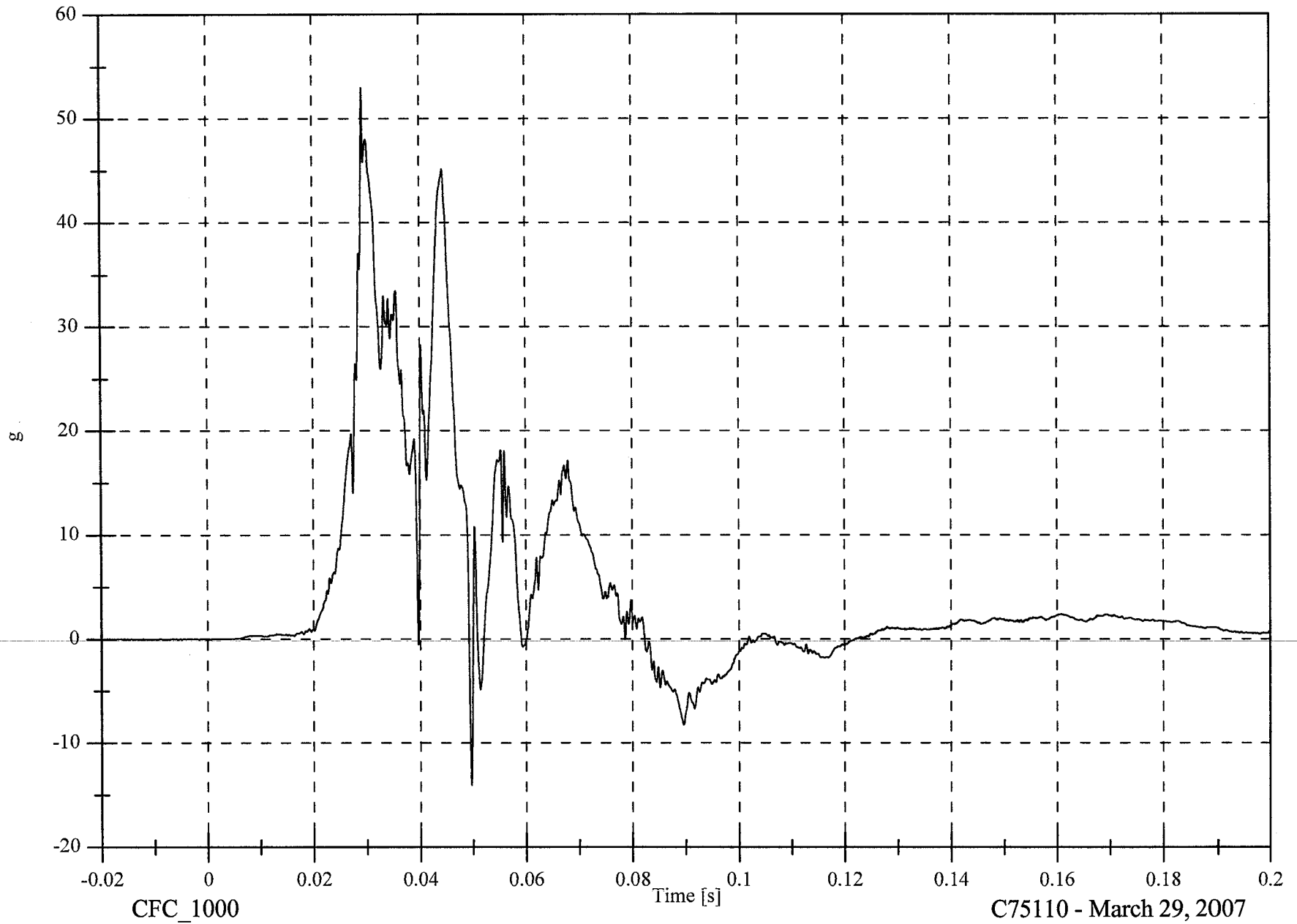


2007 214D Test 7 2007 Toyota Yaris

V2P1 Upper Rib Ry

Max: 53.0 [g] at 0.029 [s]

Min: -14.1 [g] at 0.050 [s]



B-101

8675-F214-37

CFC_1000

Time [s]

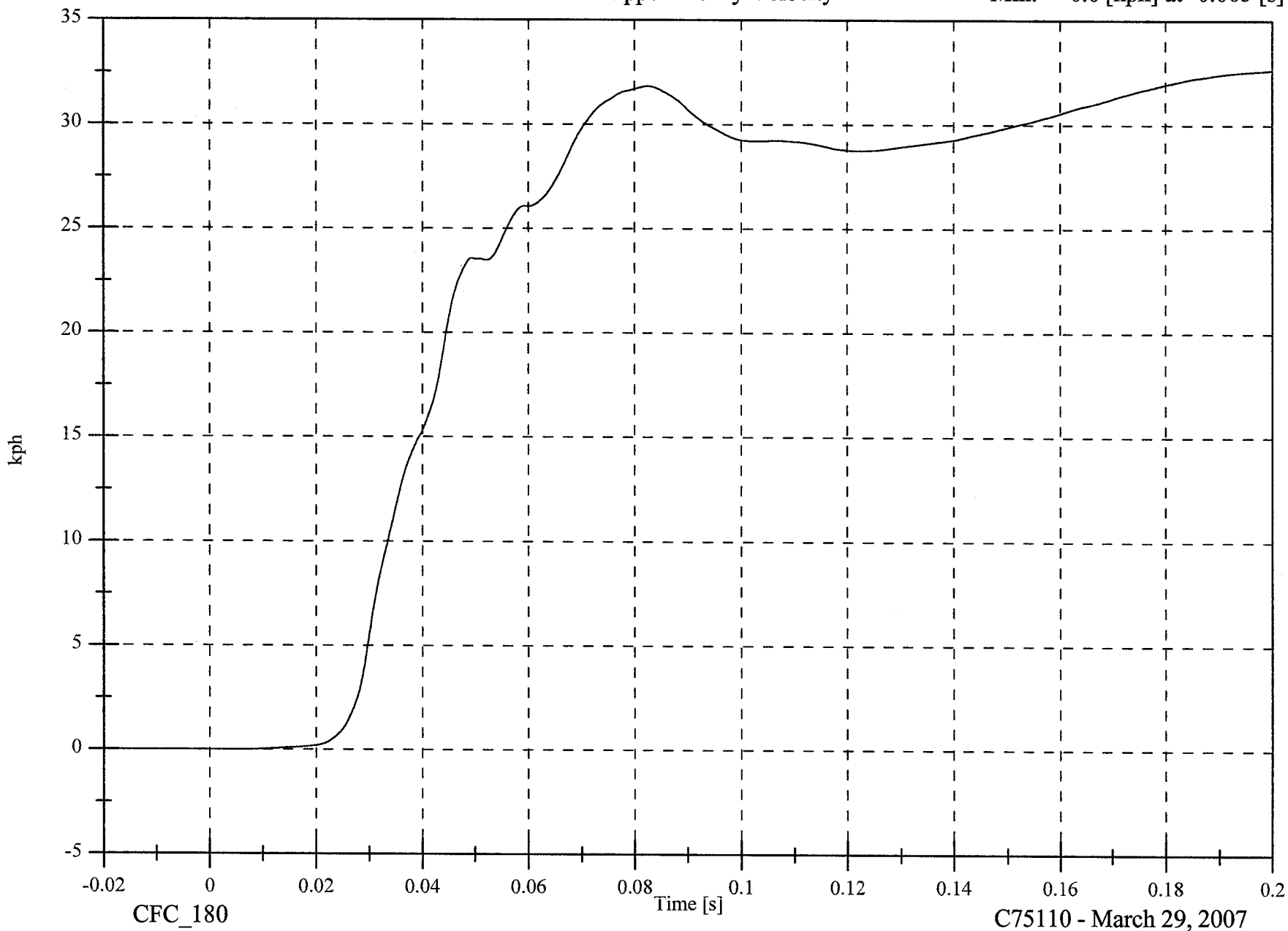
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2P1 Upper Rib Ry Velocity

Max: 32.7 [kph] at 0.200 [s]

Min: -0.0 [kph] at -0.005 [s]



B-102

8675-F214-37

CFC_180

Time [s]

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

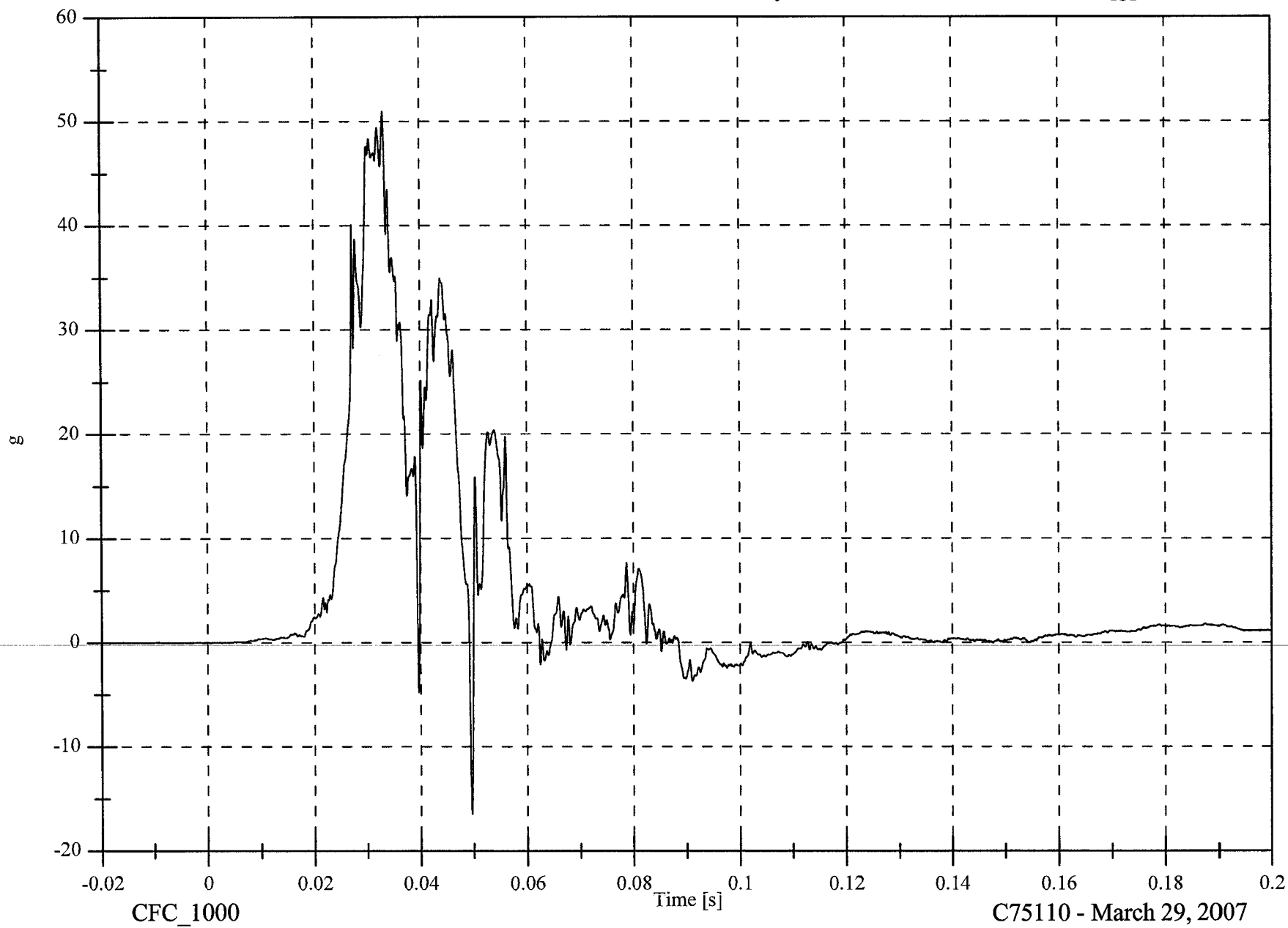
V2P1 Lower Rib Ry

Max: 51.0 [g] at 0.033 [s]

Min: -16.5 [g] at 0.050 [s]

B-103

8675-F214-37

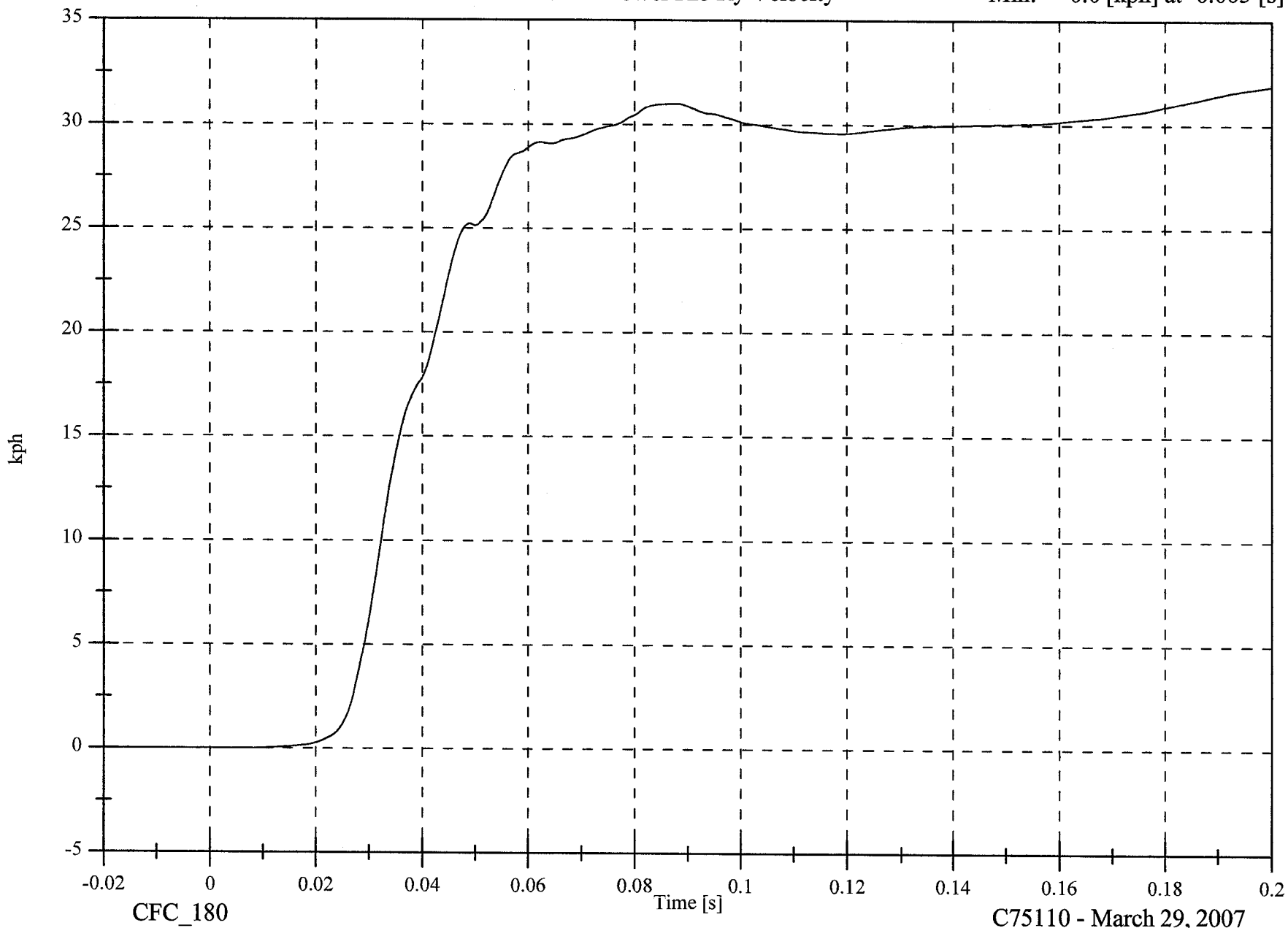


2007 214D Test 7 2007 Toyota Yaris

V2P1 Lower Rib Ry Velocity

Max: 31.9 [kph] at 0.200 [s]

Min: -0.0 [kph] at -0.003 [s]



B-104

8675-F214-37

CFC_180

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

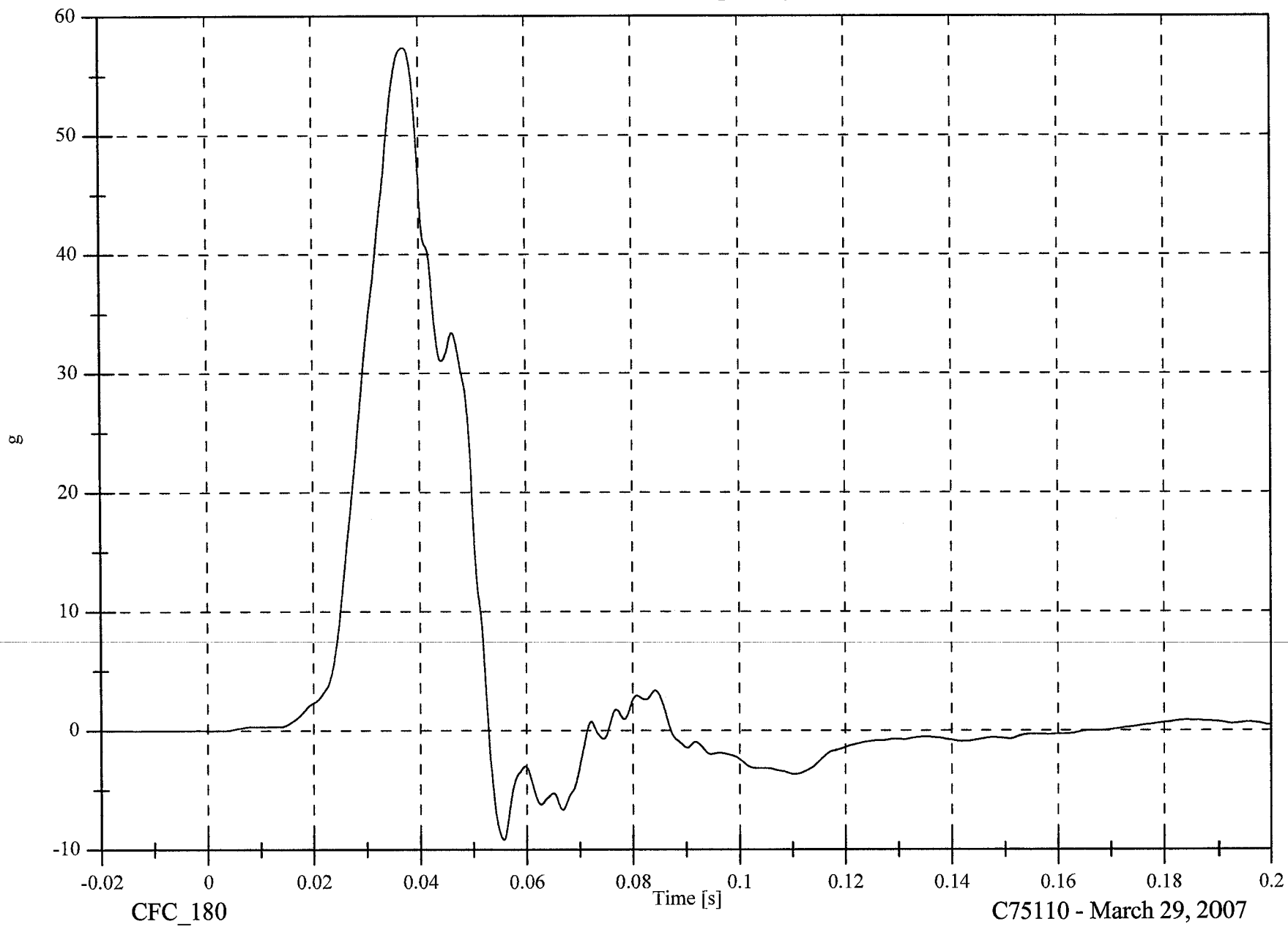
V2P1 Lower Spine Ry

Max: 57.4 [g] at 0.037 [s]

Min: -9.2 [g] at 0.056 [s]

B-105

8675-F214-37

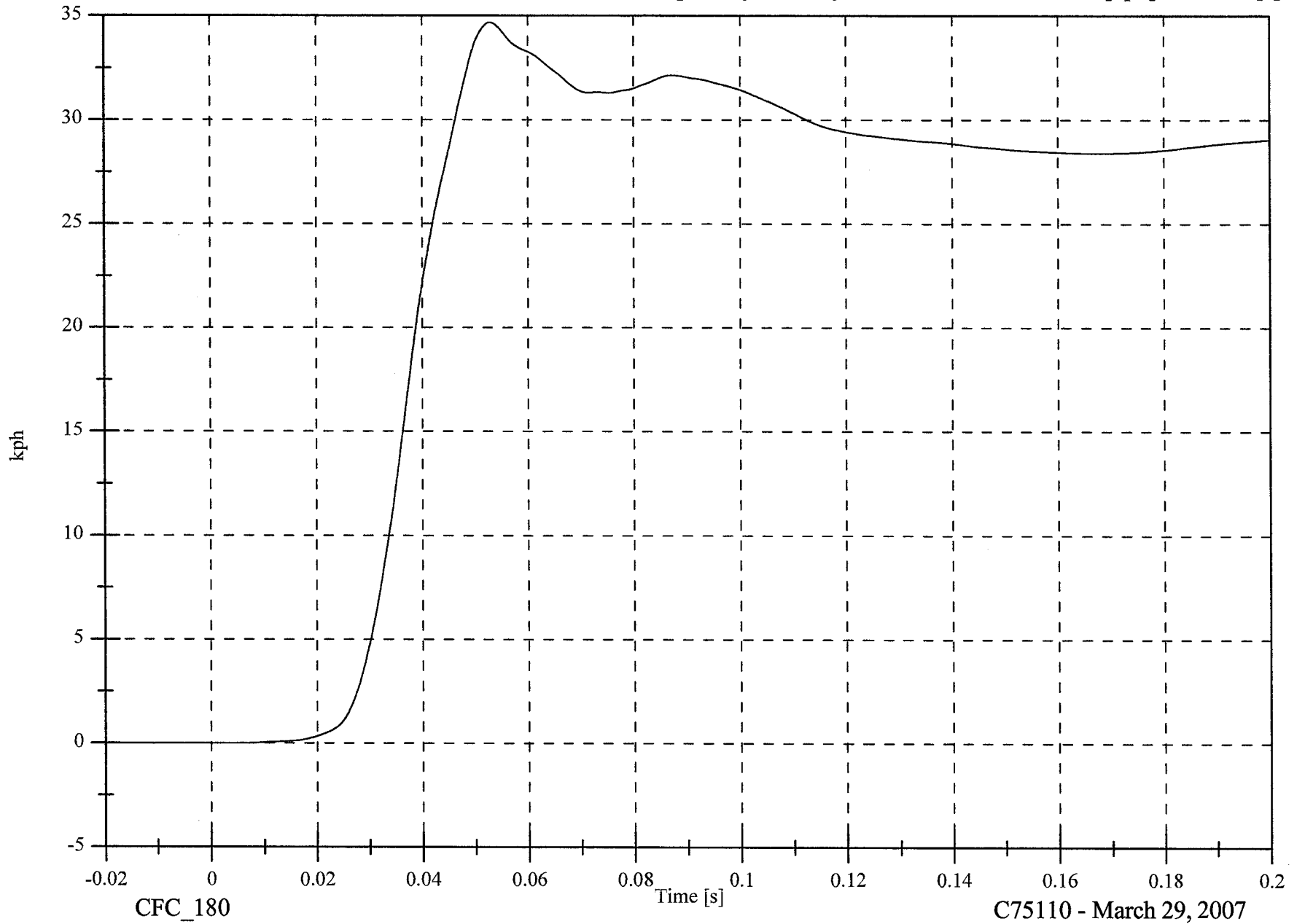


2007 214D Test 7 2007 Toyota Yaris

V2P1 Lower Spine Ry Velocity

Max: 34.7 [kph] at 0.053 [s]

Min: -0.0 [kph] at -0.011 [s]



B-106

8675-F214-37

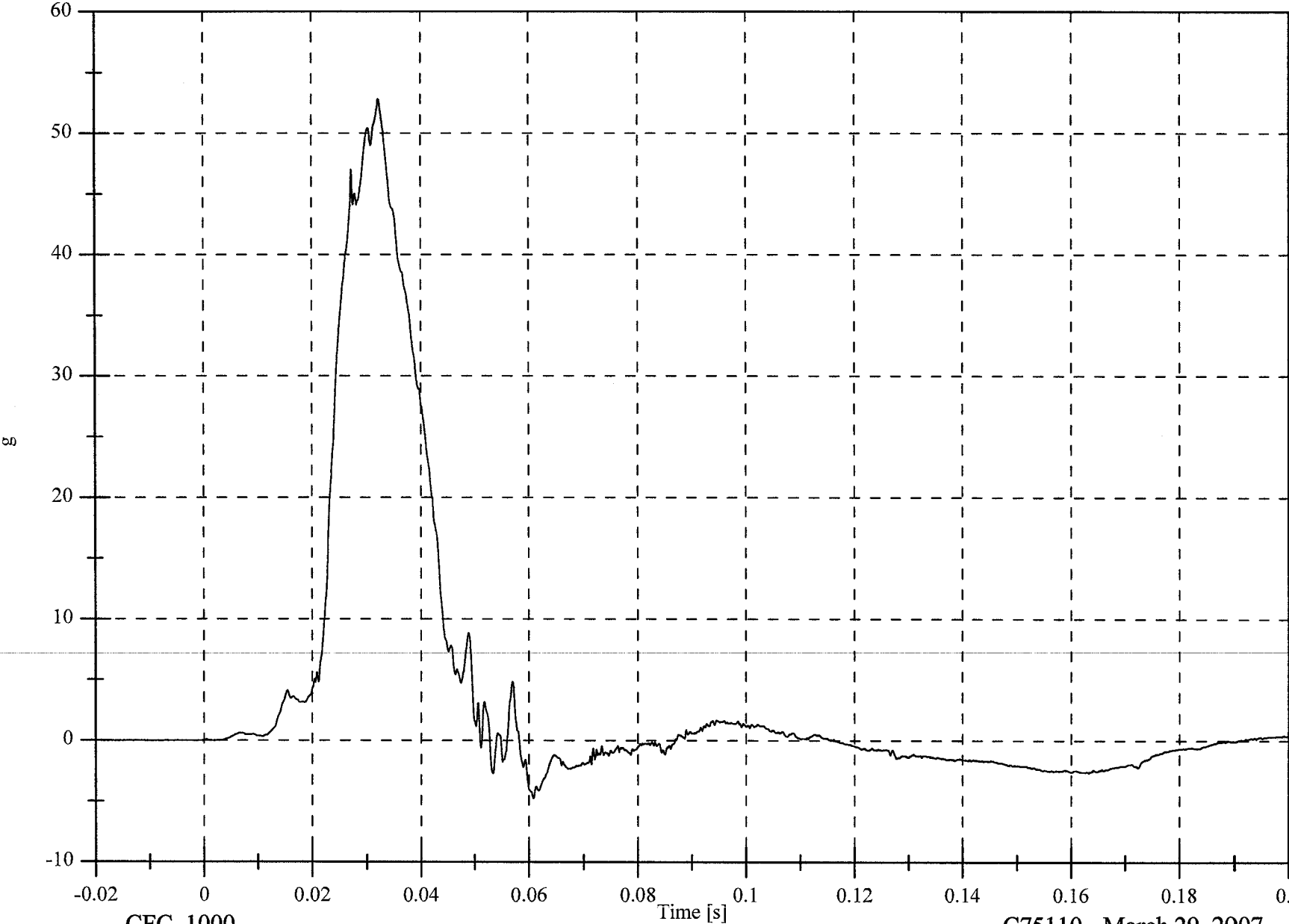
2007 214D Test 7 2007 Toyota Yaris

V2P1 Pelvic Ry

Max: 52.8 [g] at 0.032 [s]
Min: -4.8 [g] at 0.061 [s]

B-107

8675-F214-37



CFC_1000

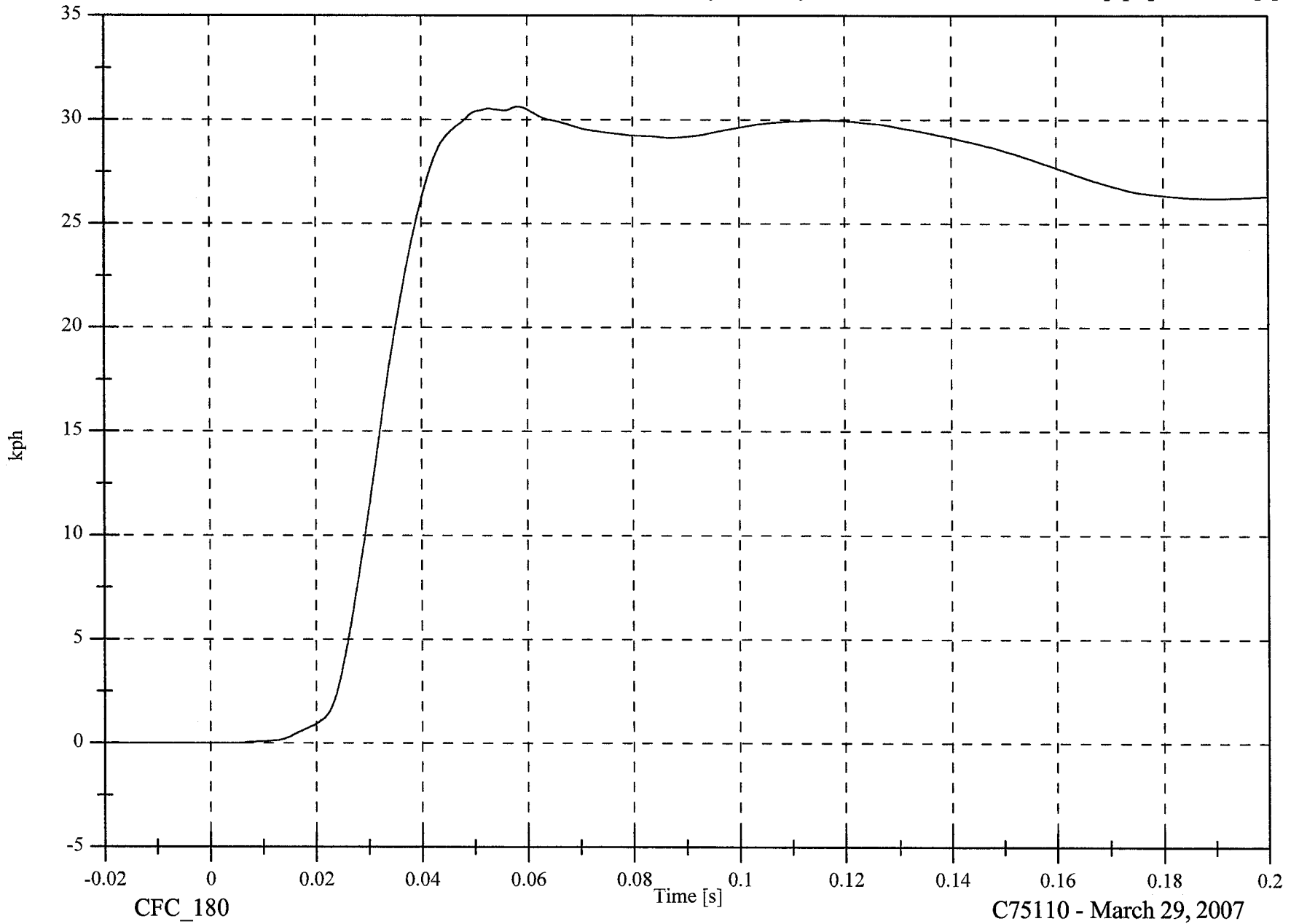
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2P1 Pelvic Ry Velocity

Max: 30.6 [kph] at 0.058 [s]

Min: -0.0 [kph] at -0.015 [s]



B-108

8675-F214-37

2007 214D Test 7 2007 Toyota Yaris

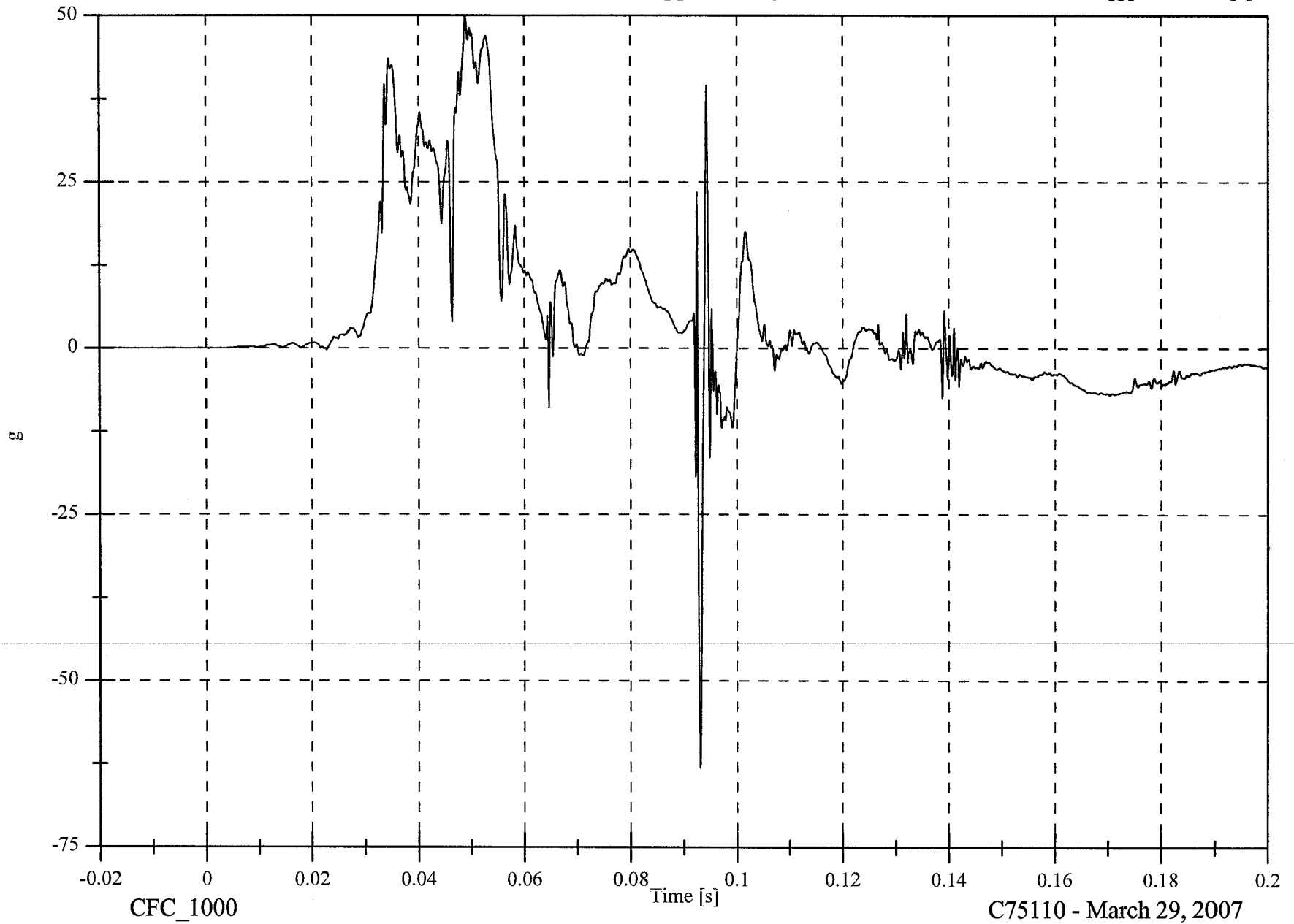
V2P4 Upper Rib Ry

Max: 50.0 [g] at 0.049 [s]

Min: -63.2 [g] at 0.093 [s]

B-109

8675-F214-37

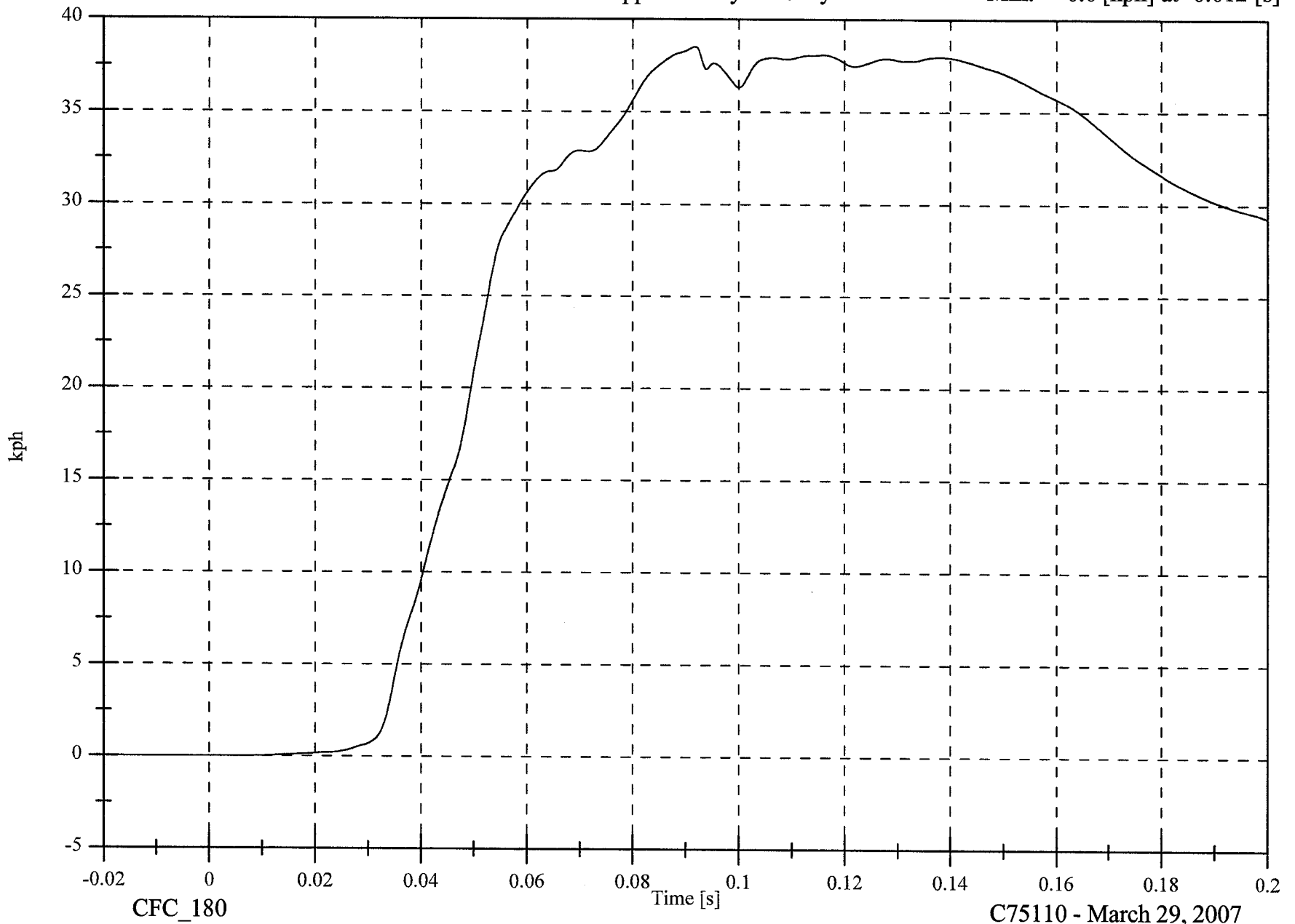


2007 214D Test 7 2007 Toyota Yaris

V2P4 Upper Rib Ry Velocity

Max: 38.5 [kph] at 0.092 [s]

Min: -0.0 [kph] at -0.012 [s]



B-110

8675-F214-37

CFC_180

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2P4 Lower Rib Ry

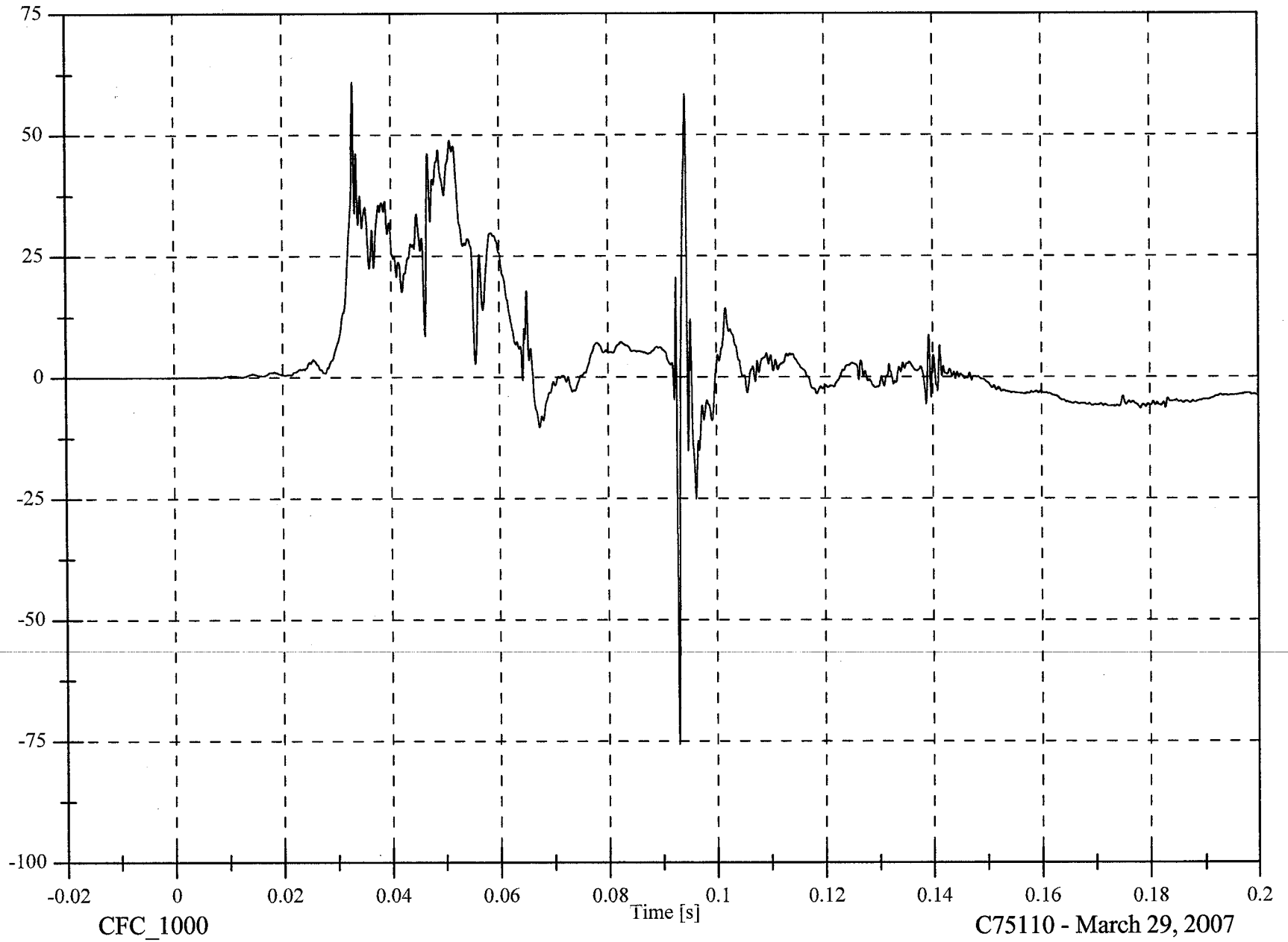
Max: 60.9 [g] at 0.033 [s]

Min: -75.7 [g] at 0.093 [s]

B-111

g

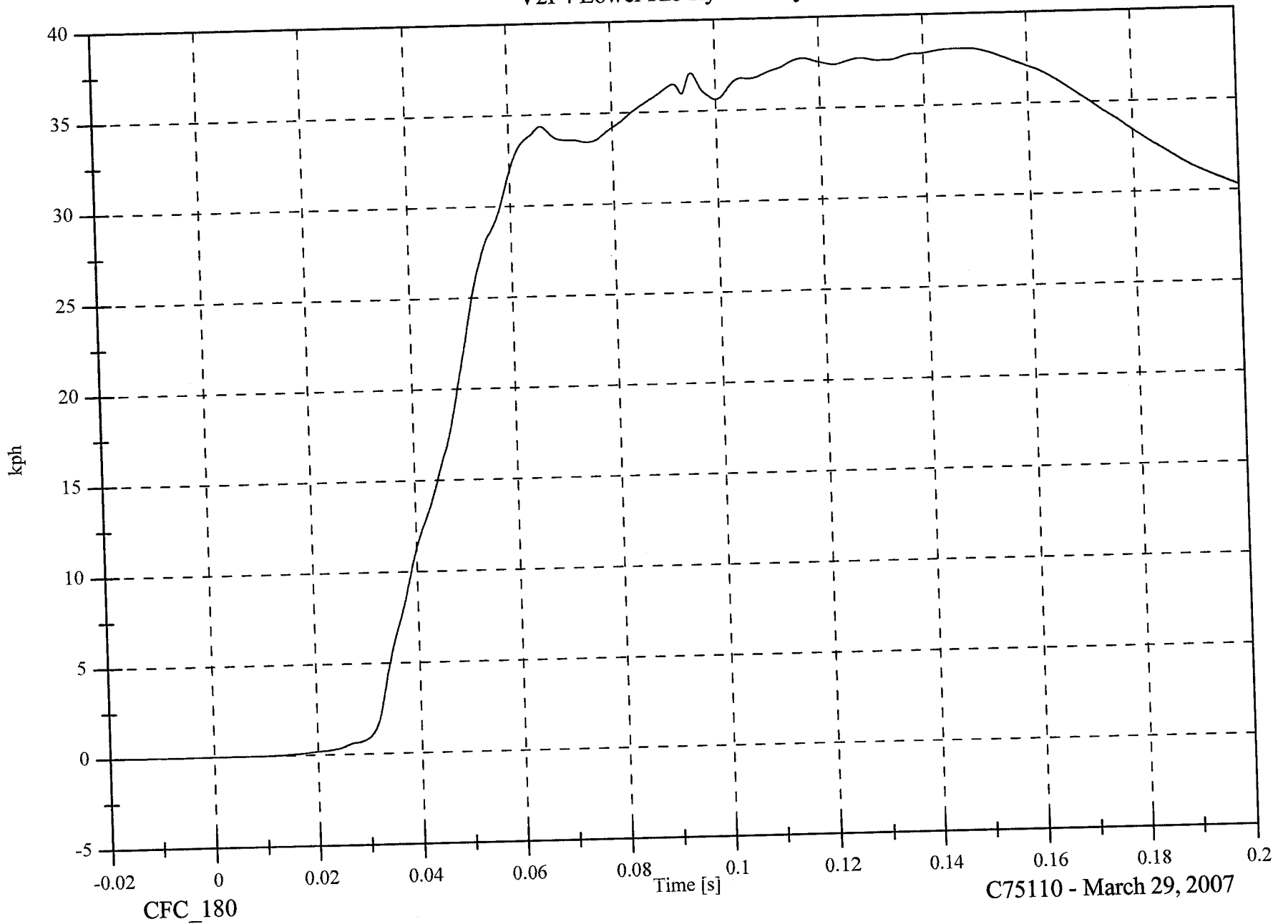
8675-F214-37



2007 214D Test 7 2007 Toyota Yaris

V2P4 Lower Rib Ry Velocity

Max: 38.1 [kph] at 0.148 [s]
Min: -0.0 [kph] at -0.008 [s]



B-112

8675-F214-37

CFC_180

C75110 - March 29, 2007

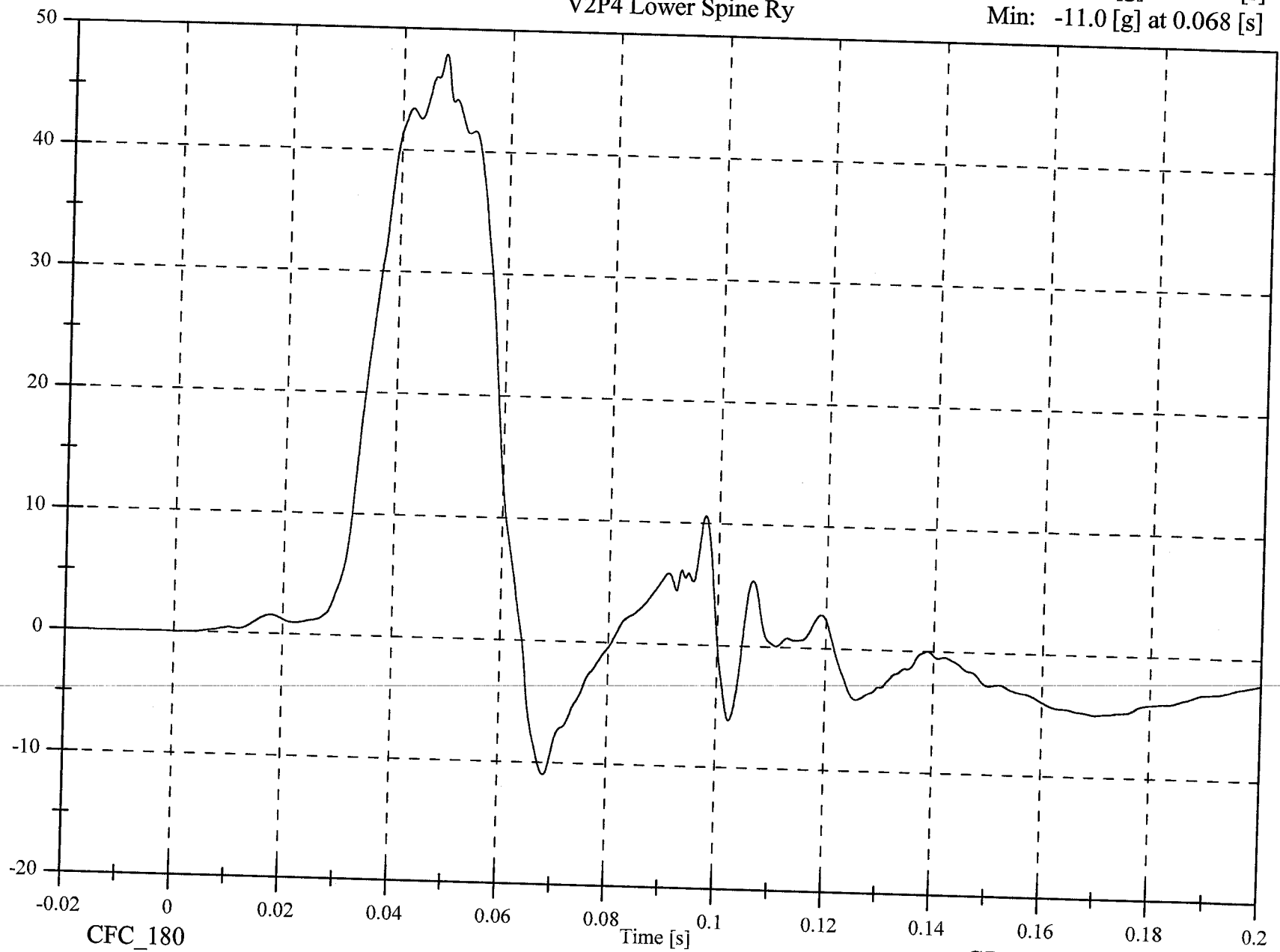
2007 214D Test 7 2007 Toyota Yaris

V2P4 Lower Spine Ry

Max: 47.9 [g] at 0.048 [s]
Min: -11.0 [g] at 0.068 [s]

B-113

8675-F214-37

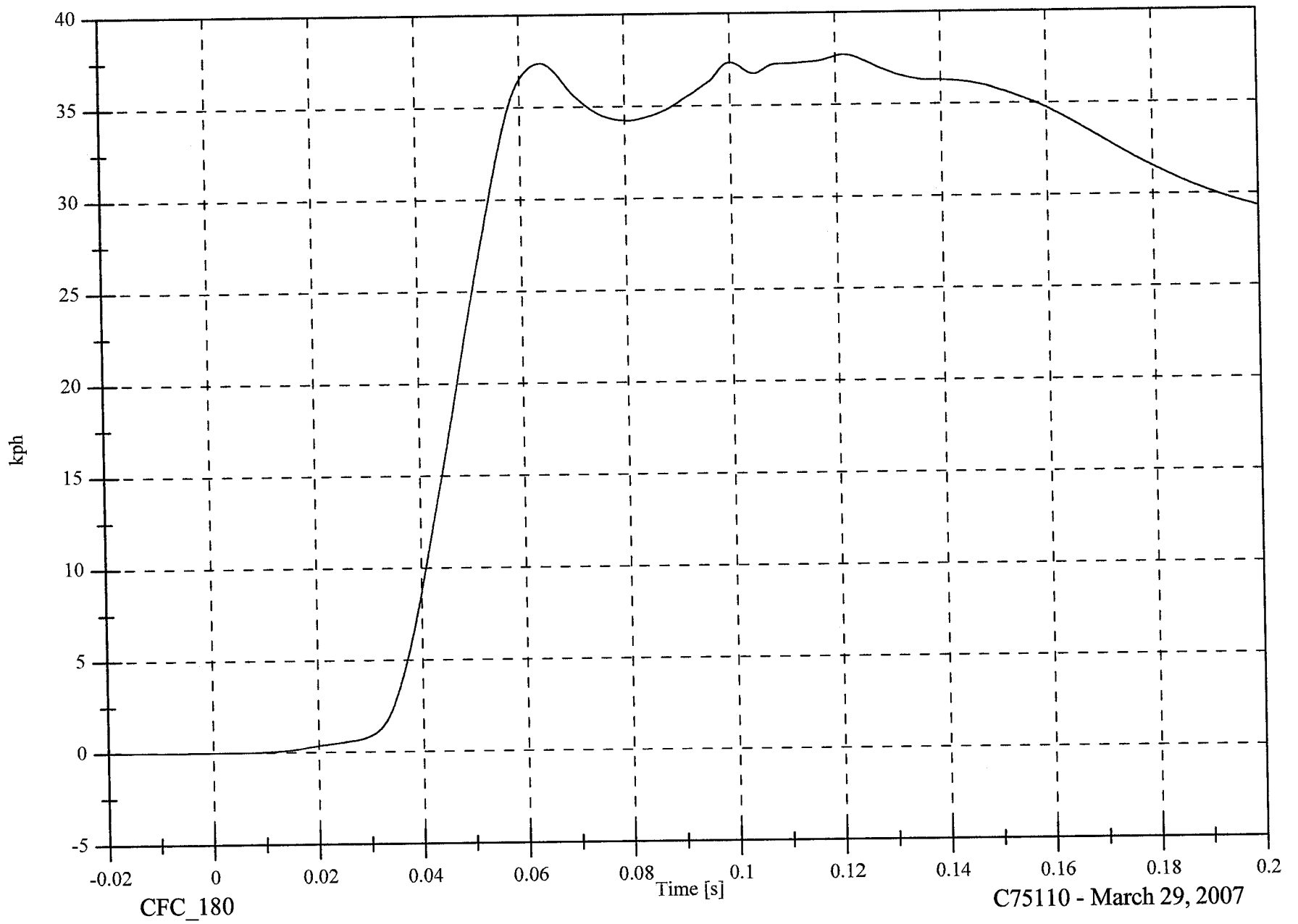


C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

Max: 37.7 [kph] at 0.122 [s]
Min: -0.0 [kph] at -0.009 [s]

V2P4 Lower Spine Ry Velocity



B-114

8675-F214-37

2007 214D Test 7 2007 Toyota Yaris

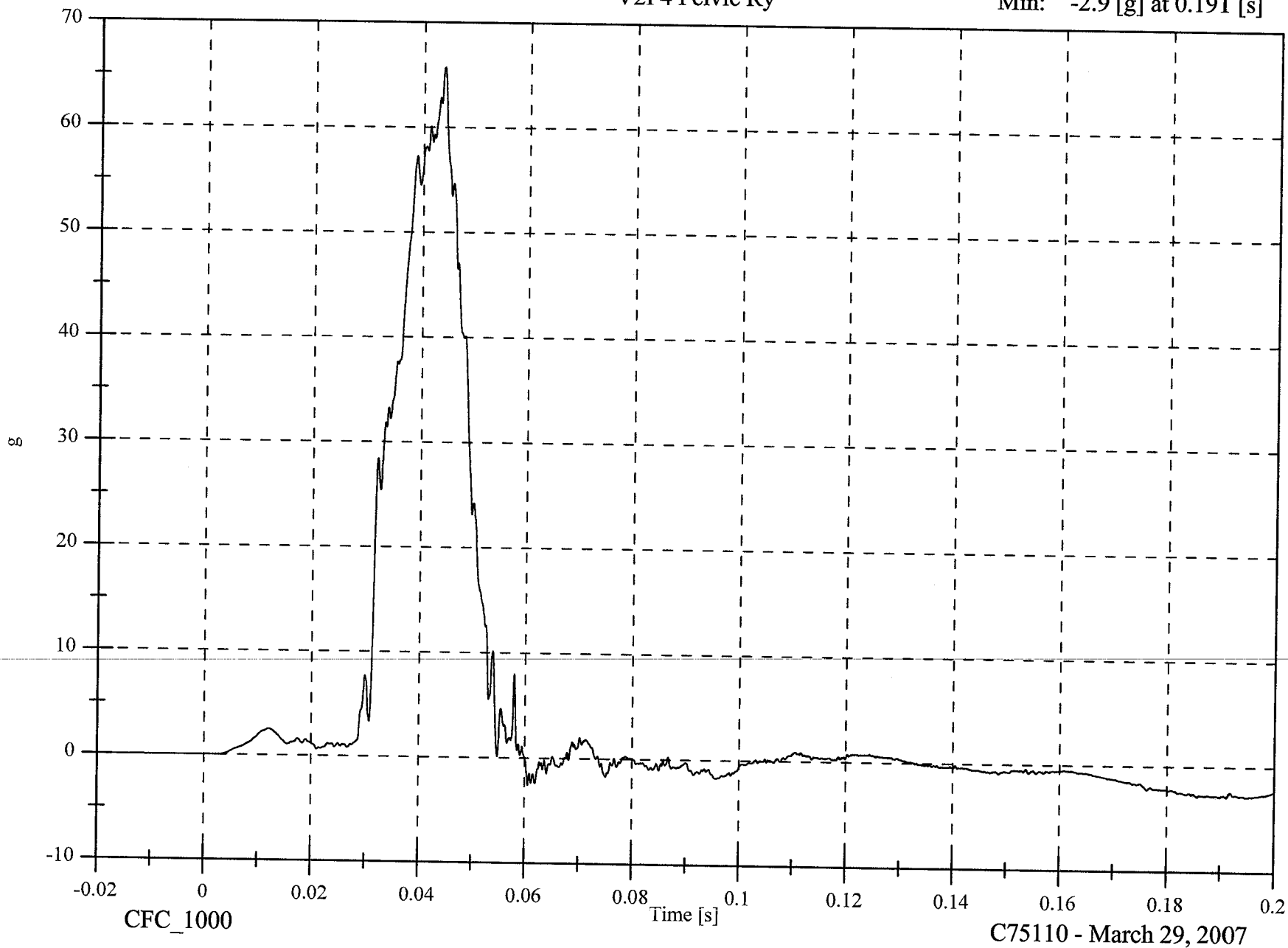
V2P4 Pelvic Ry

Max: 65.8 [g] at 0.044 [s]

Min: -2.9 [g] at 0.191 [s]

B-115

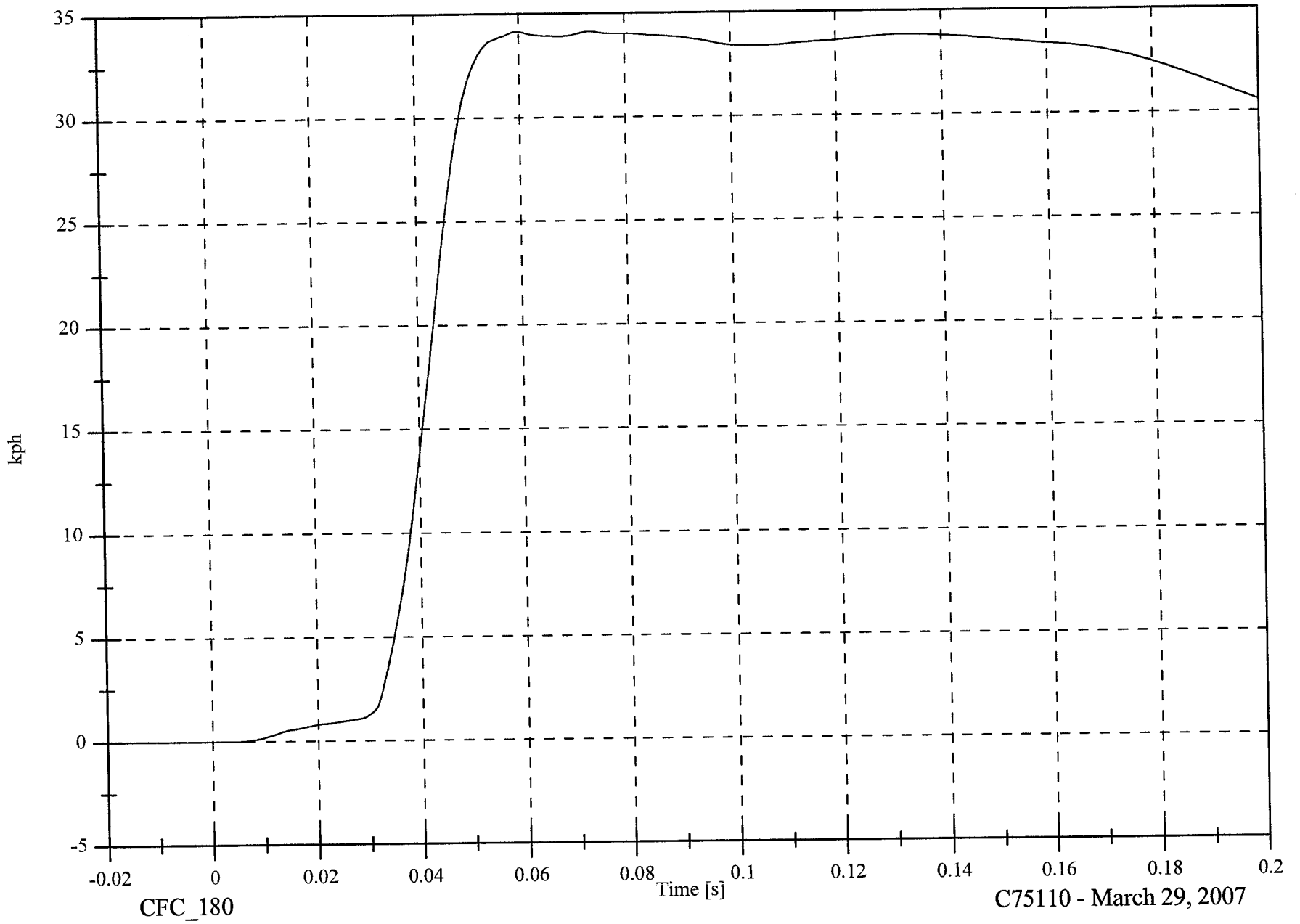
8675-F214-37



2007 214D Test 7 2007 Toyota Yaris

Max: 34.1 [kph] at 0.060 [s]
Min: -0.0 [kph] at -0.010 [s]

V2P4 Pelvic Ry Velocity



B-116

8675-F214-37

2007 214D Test 7 2007 Toyota Yaris

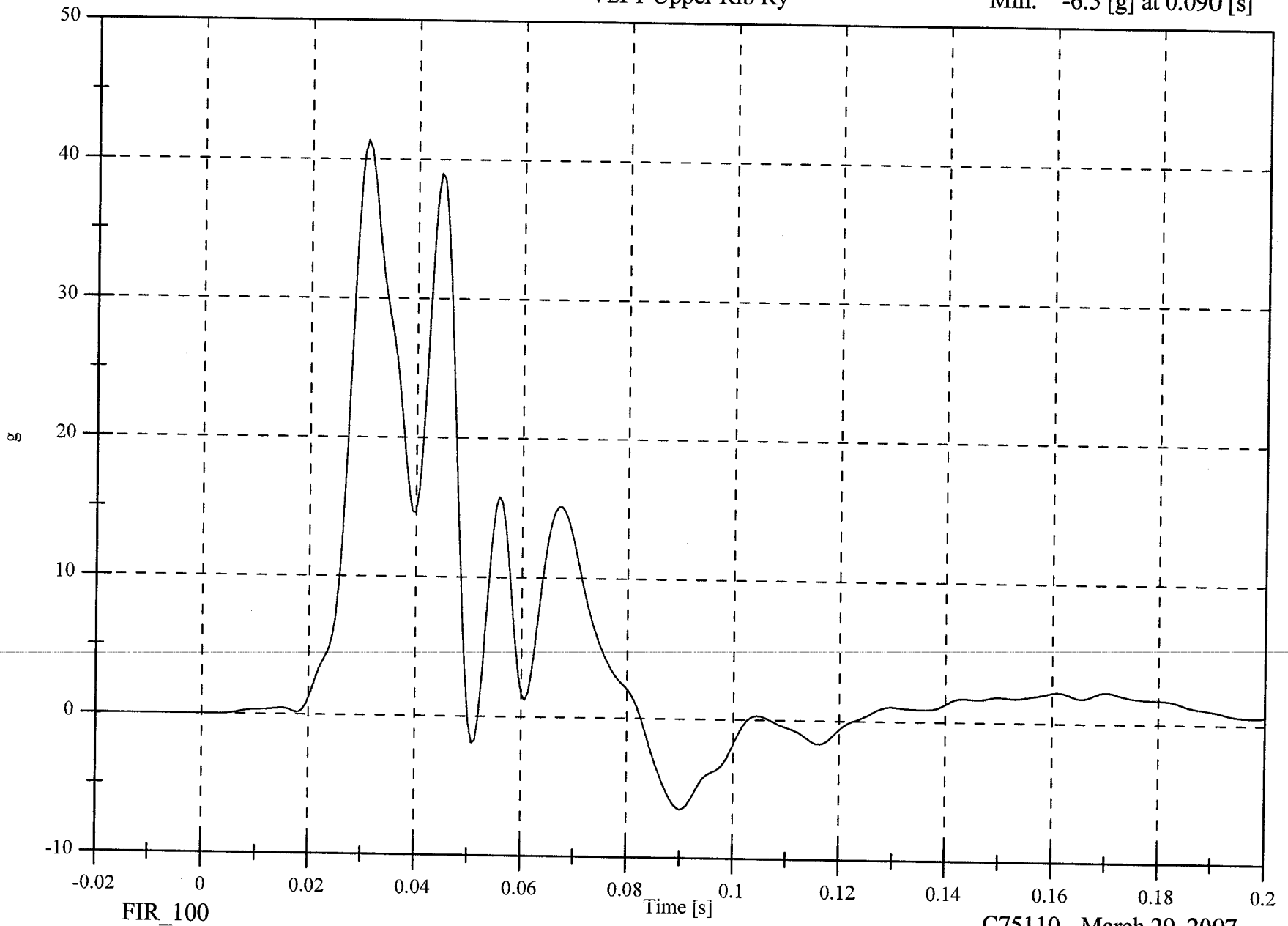
V2P1 Upper Rib Ry

Max: 41.3 [g] at 0.031 [s]

Min: -6.5 [g] at 0.090 [s]

B-117

8675-F214-37

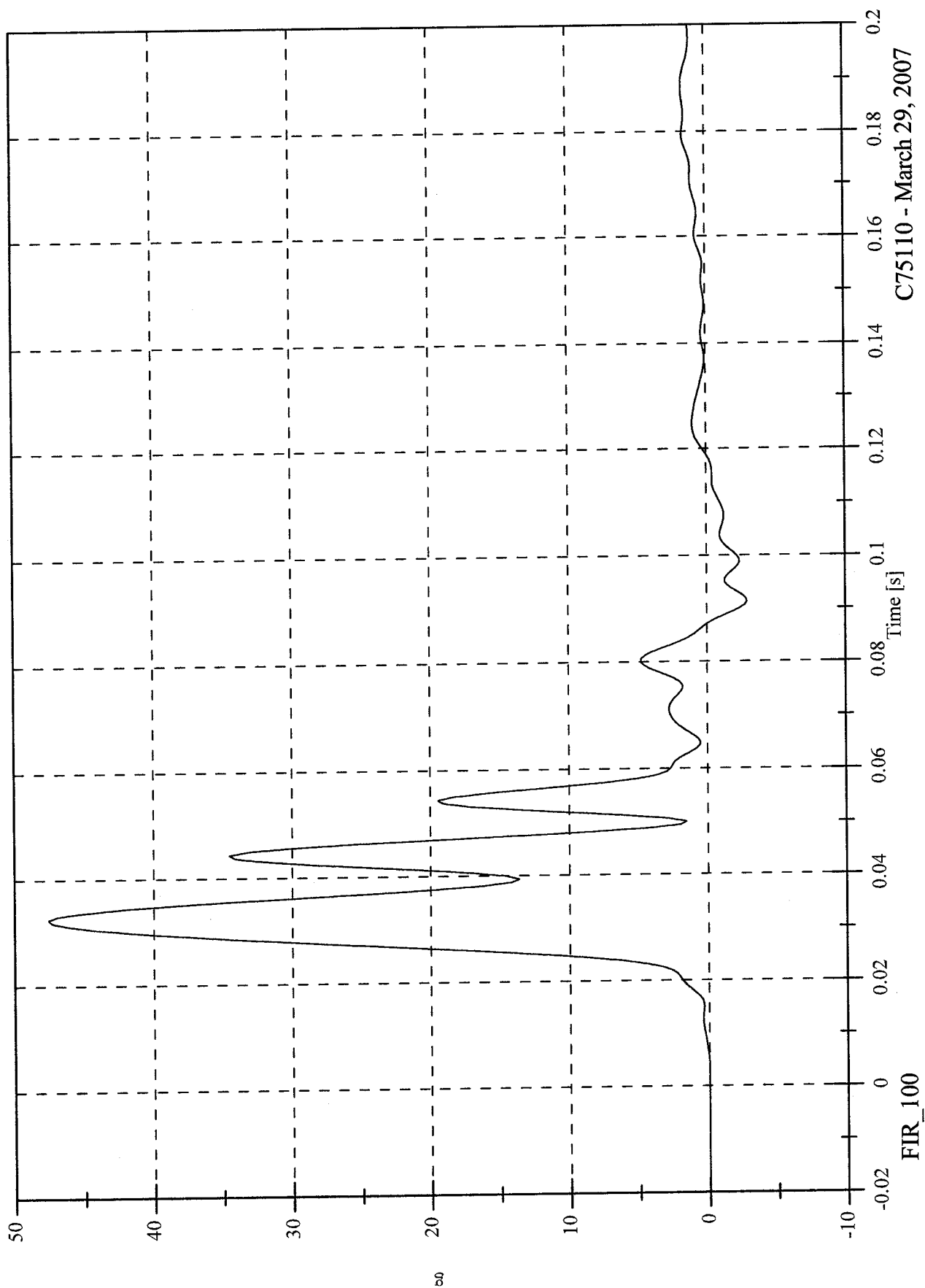


C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

Max: 47.6 [g] at 0.032 [s]
Min: -2.9 [g] at 0.091 [s]

V2P1 Lower Rib Ry



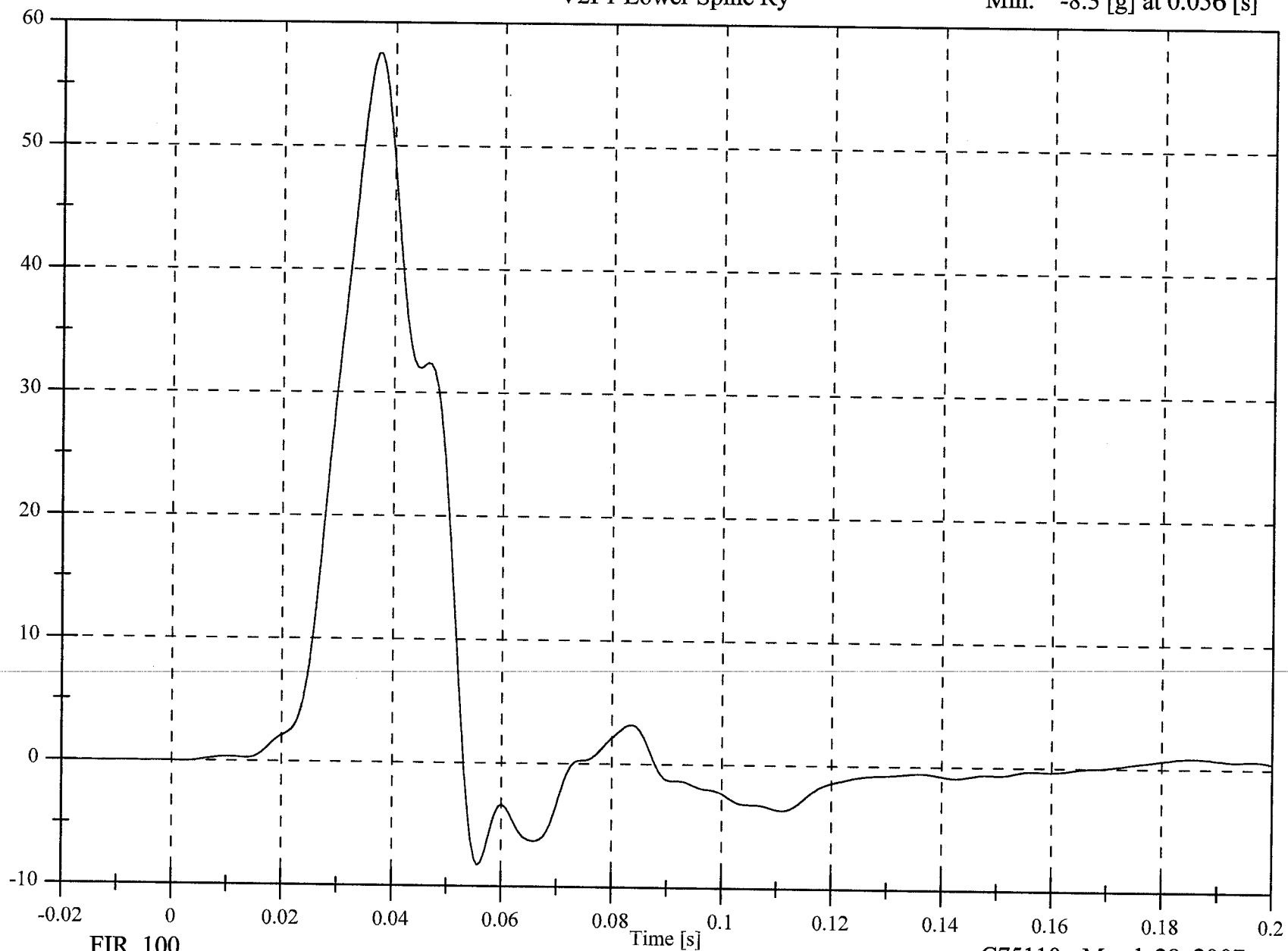
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2P1 Lower Spine Ry

Max: 57.5 [g] at 0.037 [s]

Min: -8.3 [g] at 0.056 [s]



B-119

8675-F214-37

FIR_100

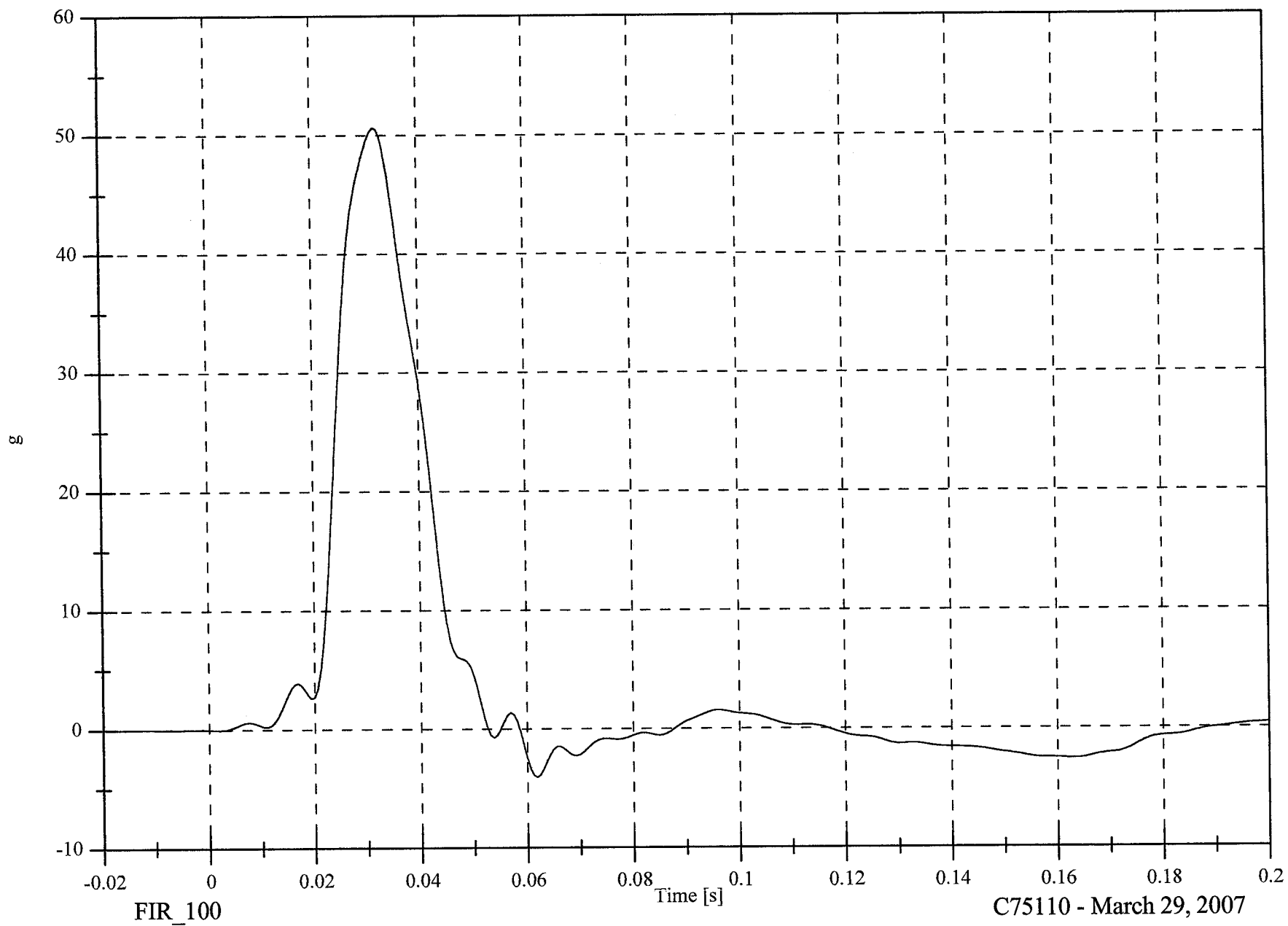
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2P1 Pelvic Ry

Max: 50.6 [g] at 0.032 [s]

Min: -4.1 [g] at 0.062 [s]



B-120

8675-F214-37

FIR_100

C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

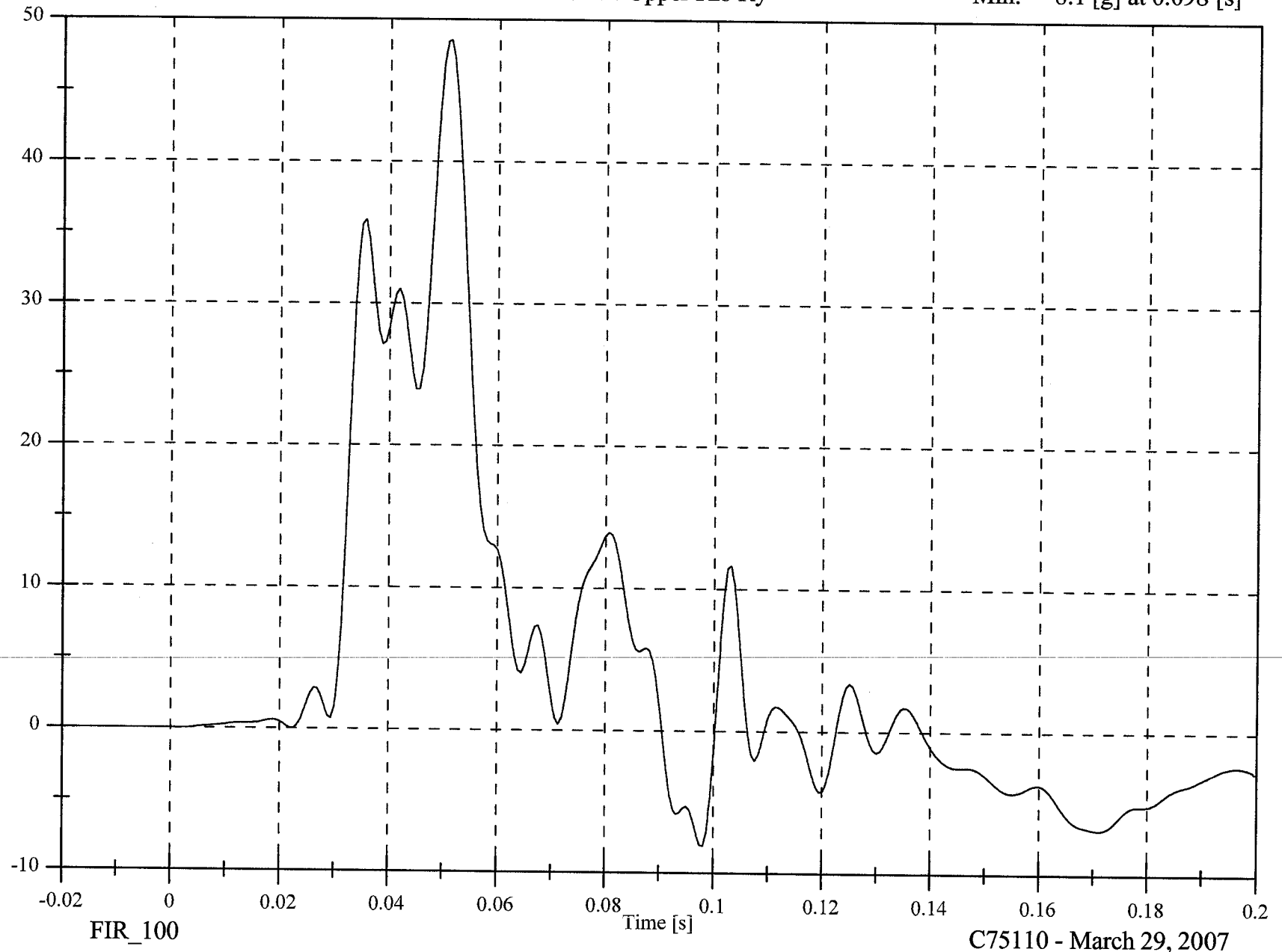
V2P4 Upper Rib Ry

Max: 48.6 [g] at 0.051 [s]

Min: -8.1 [g] at 0.098 [s]

B-121

8675-F214-37

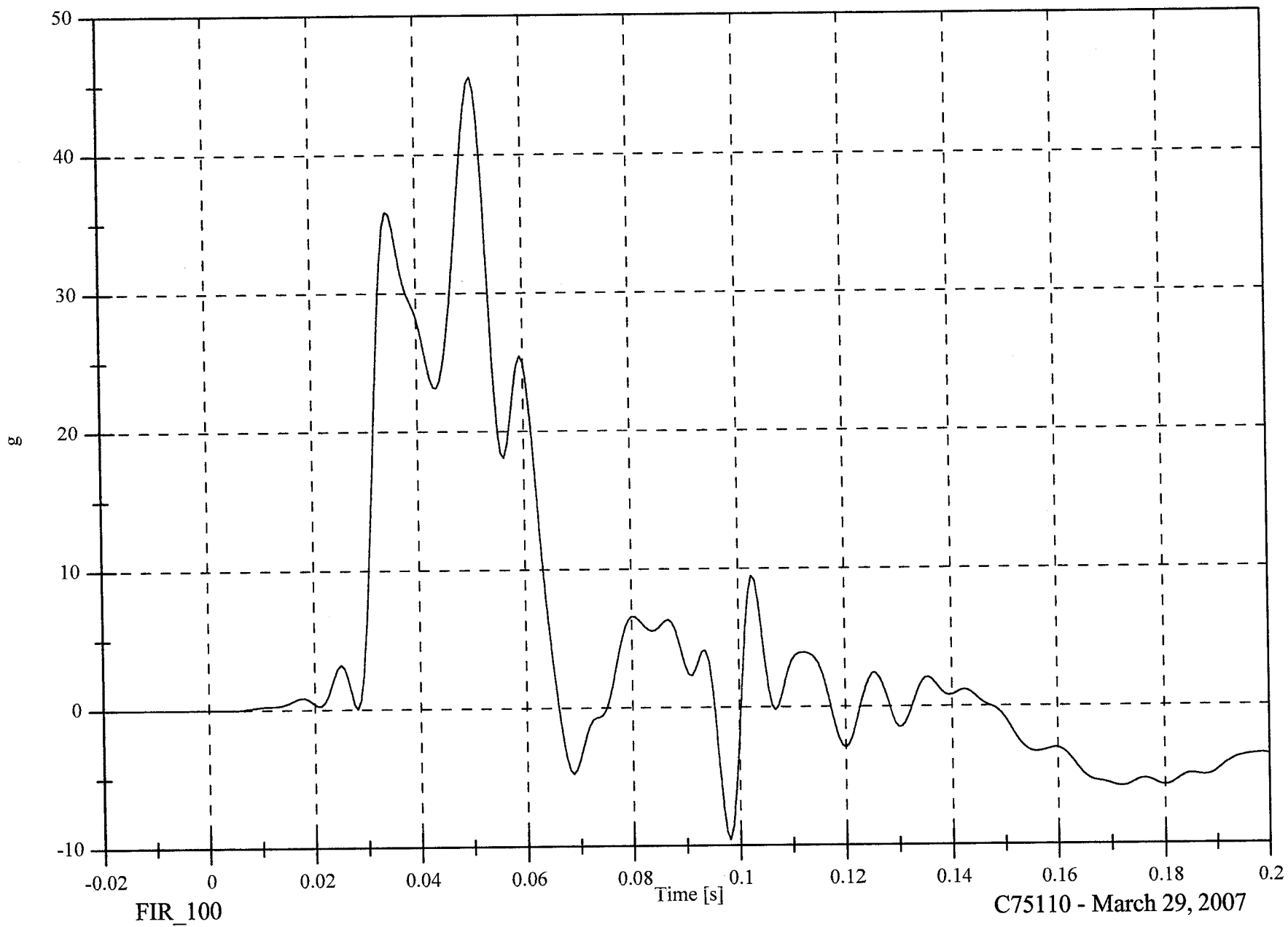


2007 214D Test 7 2007 Toyota Yaris

V2P4 Lower Rib Ry

Max: 45.6 [g] at 0.051 [s]

Min: -9.6 [g] at 0.098 [s]



2007 214D Test 7 2007 Toyota Yaris

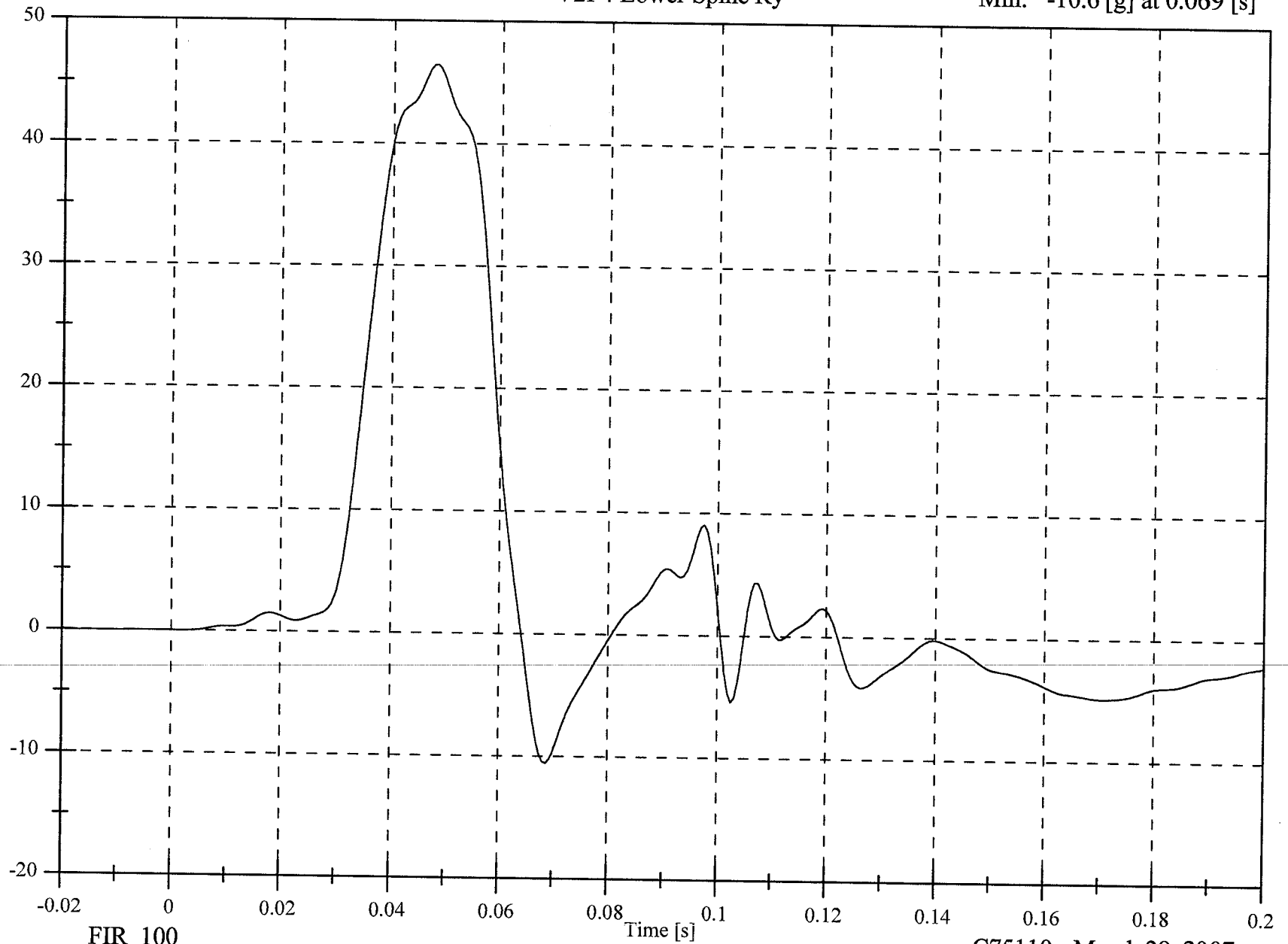
V2P4 Lower Spine Ry

Max: 46.4 [g] at 0.048 [s]

Min: -10.6 [g] at 0.069 [s]

B-123

8675-F214-37



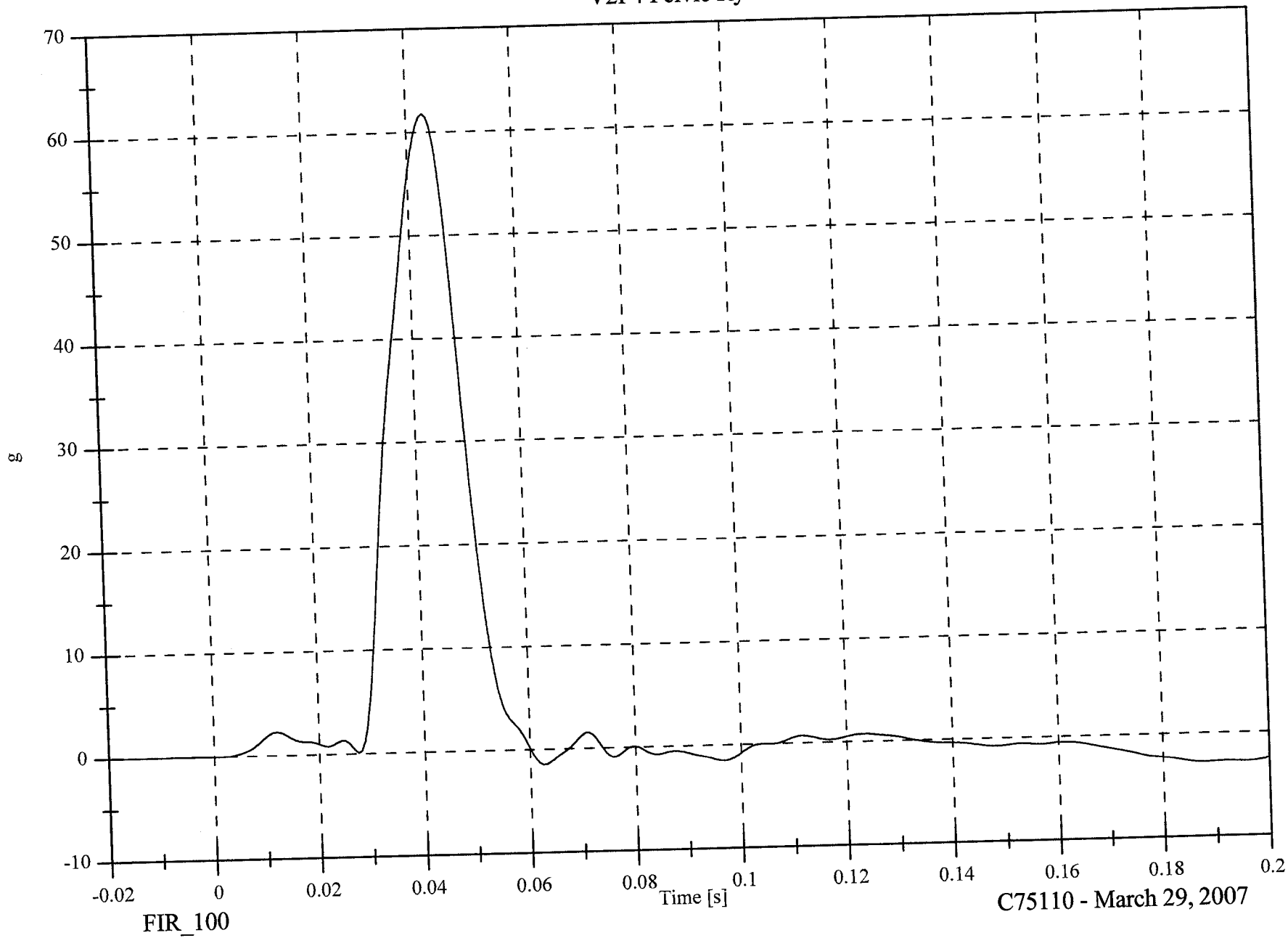
C75110 - March 29, 2007

2007 214D Test 7 2007 Toyota Yaris

V2P4 Pelvic Ry

Max: 61.8 [g] at 0.043 [s]

Min: -2.8 [g] at 0.188 [s]



B-124

8675-F214-37

APPENDIX C

SID CONFIGURATION AND PERFORMANCE VERIFICATION DATA

SUMMARY
SID PRE & POST TEST CALIBRATION
CONFIGURED FOR LEFT SIDE IMPACT

Date: _____ Sequential Test Number: _____
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	SID NO.: 013		SID NO.: 015	
		PRE TEST	POST TEST	PRE TEST	POST TEST
SH- Seated Height (mm)	889 - 909	902	902	902	902
RH- Rib Height (mm)	501 - 521	513	513	511	511
HP- Hip Pivot Height (mm)	99 ref.	99	99	99	99
RD- Rib from Back Line (mm)	229 - 241	239	239	239	239
KV- Knee Pivot from Back Line (mm)	511 - 526	518	518	518	518
SW- Knee Pivot to Floor (mm)	490 - 505	493	493	493	493
HW- Hip Width (mm)	356 - 391	378	378	376	376
THORAX IMPACTS					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.1	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	33	37	31	37
PROBE SPEED (m/s)	4.27 - 4.33	4.32	4.31	4.30	4.33
UPPER RIB (g's)	37 - 46	37.8	40.2	38.1	40.7
LOWER RIB (g's)	37 - 46	37.4	38.3	37.2	39.3
LOWER SPINE (g's)	15 - 22	16.0	18.1	17.2	20.0
PELVIS IMPACT					
TEMPERATURE (°C)	18.9 - 25.5	21.1	21.1	21.1	21.1
RELATIVE HUMIDITY (%)	10 - 70	35	37	35	37
PROBE SPEED (m/s)	4.27 - 4.33	4.32	4.29	4.32	4.31
PELVIS (g's)	40 - 60	47.3	44.2	42.5	44.0

REMARKS: None

CALIBRATION TEST RESULTS

PRE-TEST

SID NO.: 013

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 013 Sequential Test Number: 1
Date: 3-19-07 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
THORACIC SHOCK ABSORBER TEST	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 013

Sequential Test Number:

1

Date: 3-19-08

Laboratory Technician:

B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 – 909	902
RH- Rib Height (mm)	502 – 520	513
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 – 241	239
KH- Knee Pivot from Back Line (mm)	511 – 526	518
KV- Knee Pivot to Floor (mm)	490 – 505	493
HW- Hip Width (mm)	356 - 391	378

REMARKS: None

Shock Low (3.05 m/s)

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

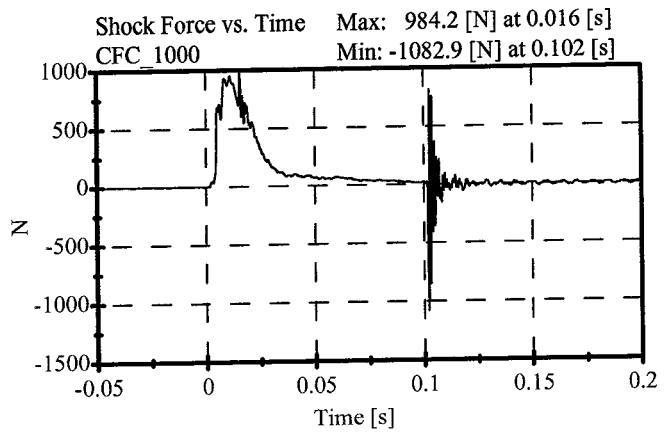
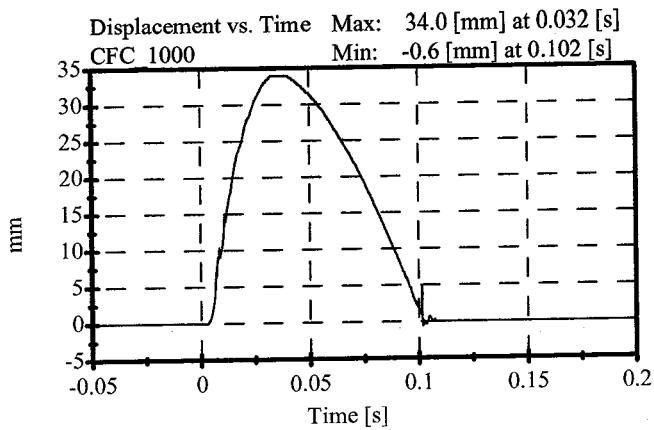
ATD Serial No: 013

Date: 03-22-07

Sequential Test Number: 1 File: 013 SL 03-22-07

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Displacement:	30.00-35.00 mm	33.98 mm	Passed
Maximum Force:	836.00-1125.00 N	984.18 N	Passed
Impact Test Velocity:	3.05 m/s		
Damper Identification:	013		
Damper Setting:	5		



Shock Med (4.27 m/s)
PRE TEST
CONFIGURED FOR LEFT SIDE IMPACT

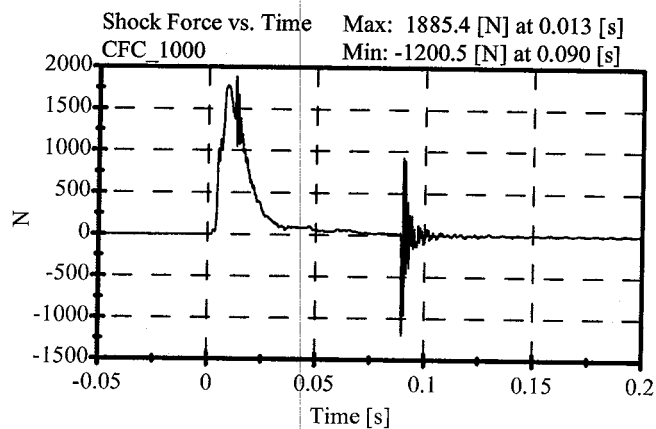
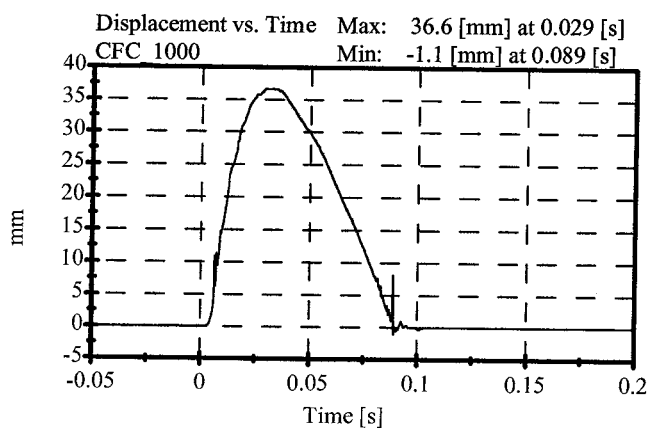
ATD Serial No: 013

Date: 03-22-07

Sequential Test Number: 1 File: 013 SM 03-22-07

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Displacement:	32.00-37.00 mm	36.64 mm	Passed
Maximum Force:	1730.00-2099.00 N	1885.43 N	Passed
Impact Test Velocity:	4.27 m/s		
Damper Identification:	013		
Damper Setting:	5		

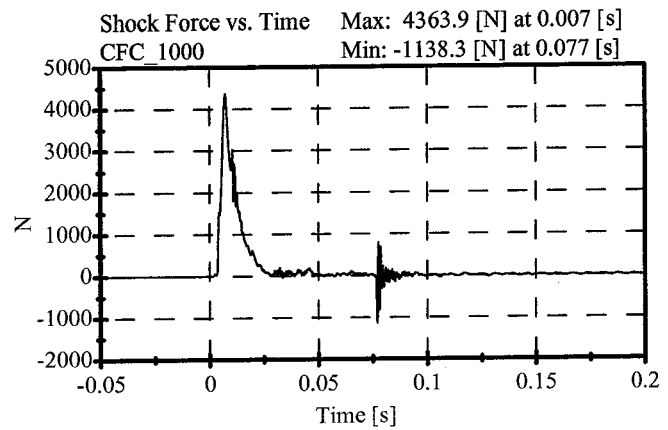
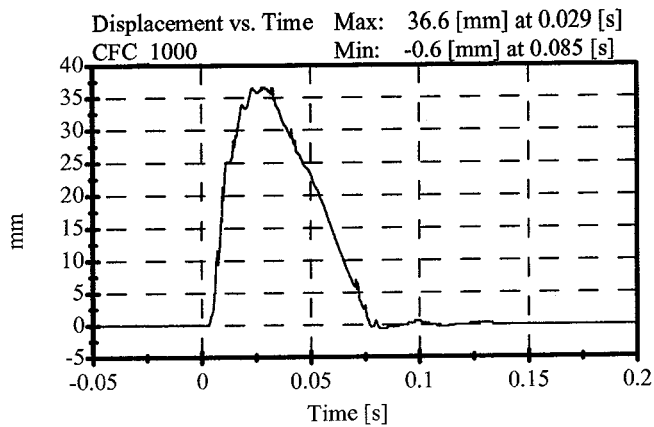


Shock High (6.10 m/s)
PRE TEST
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013
Date: 03-22-07

Sequential Test Number: 1 File: 013 SH1 03-22-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Displacement:	33.00-40.00 mm	36.63 mm	Passed
Maximum Force:	3741.00-4448.00 N	4363.90 N	Passed
Impact Test Velocity:	6.10 m/s		
Damper Identification:	013		
Damper Setting:	5		



Thorax Impact
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT

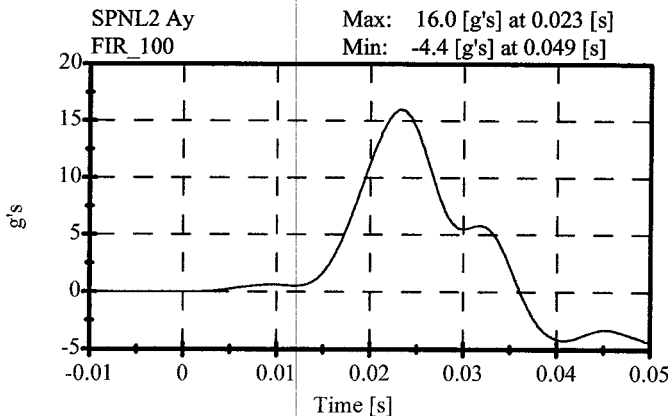
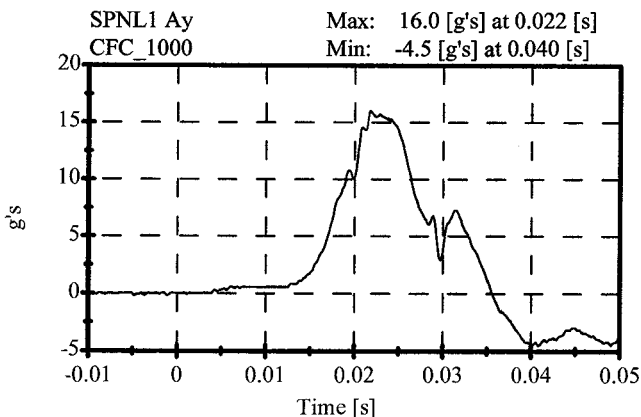
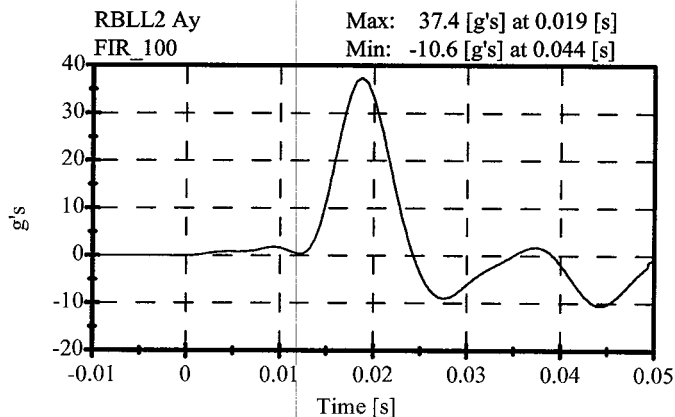
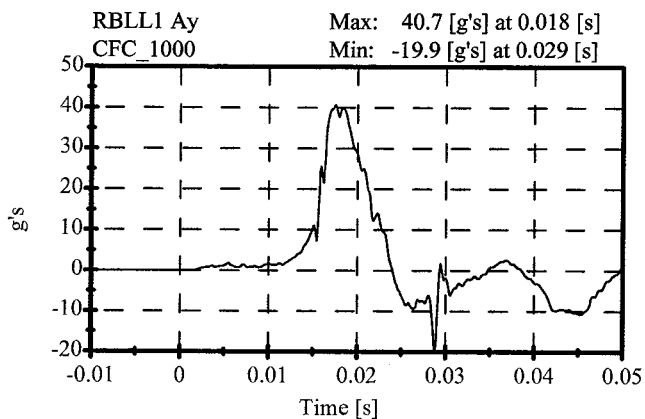
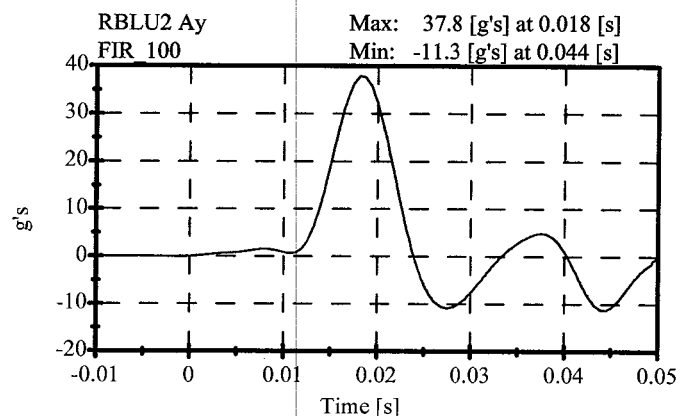
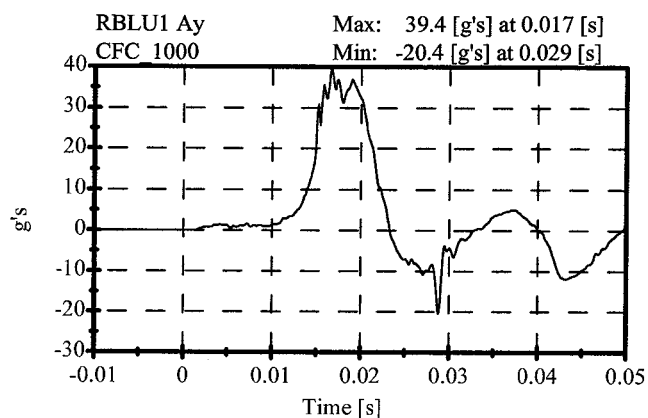
ATD Serial No: 013

Date: 03-15-07

Sequential Test Number: 1 File: 013T 03-15-07

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	33.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.32 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 g's	37.79 g's	Passed
Lower Rib Acceleration:	37.00-46.00 g's	37.42 g's	Passed
Lower Spine Acceleration:	15.00-22.00 g's	15.99 g's	Passed



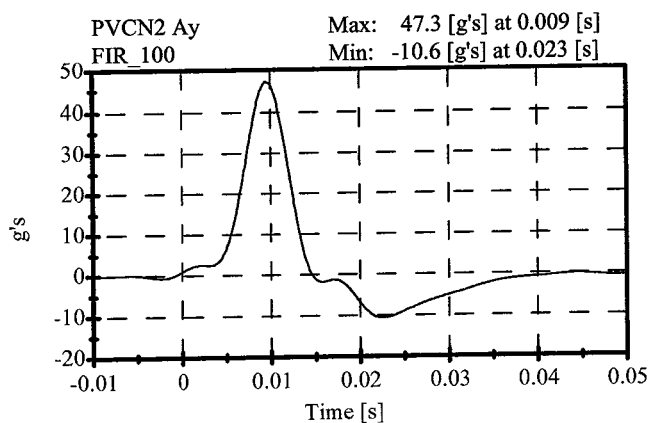
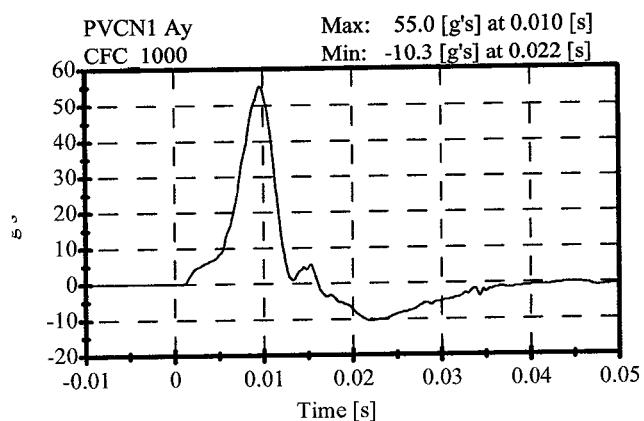
**Pelvic Impact
Pre-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013
Date: 03-19-07

Sequential Test Number: 1 File: 013P 03-19-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.32 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 g's	47.29 g's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.9 ms	Passed



Head Drop

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013

Date: 04-21-05

Sequential Test Number: 1 File: 013H 04-21-05

Laboratory Technician: B. Swiecicki

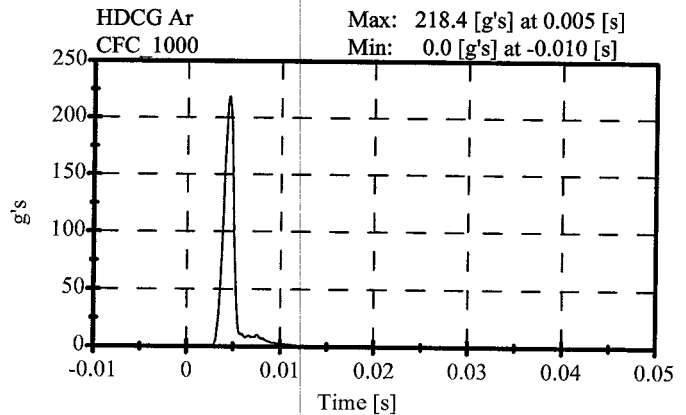
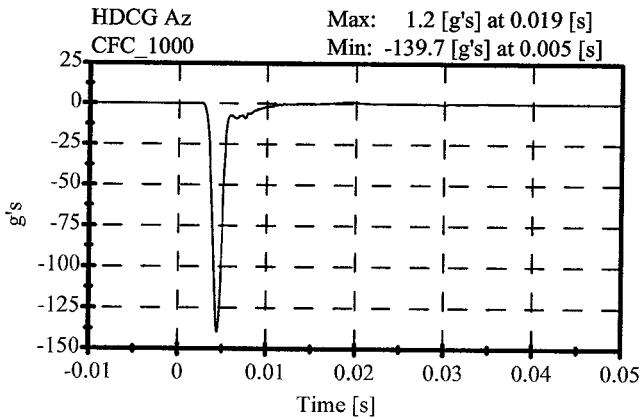
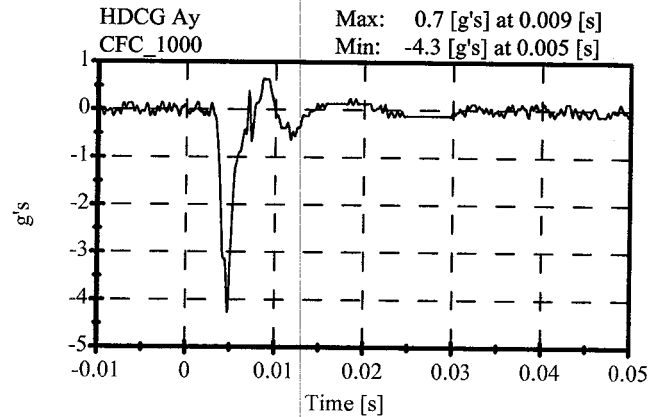
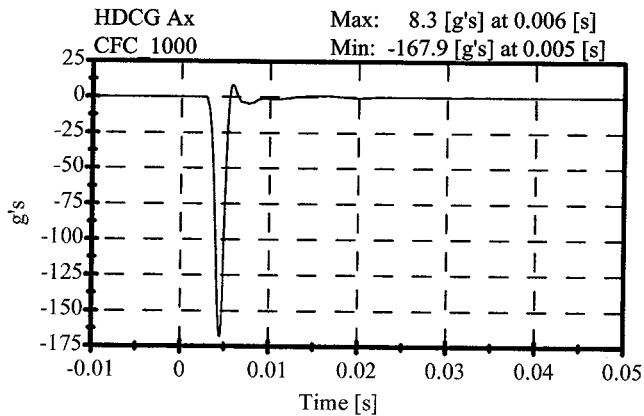
TEST PARAMETER

SPECIFICATION

TEST RESULTS

STATUS

Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Peak Resultant Accel.:	210-260 Gs	218.45 Gs	Passed
Peak Lateral Accel.:	10 Gs Max	4.26 Gs	Passed
Unimodal Criteria Above 100 Gs:	0.9-1.5 ms	1.24 ms	Passed
Curve PerCent NonModal:	< 10%	5.10 %	Passed



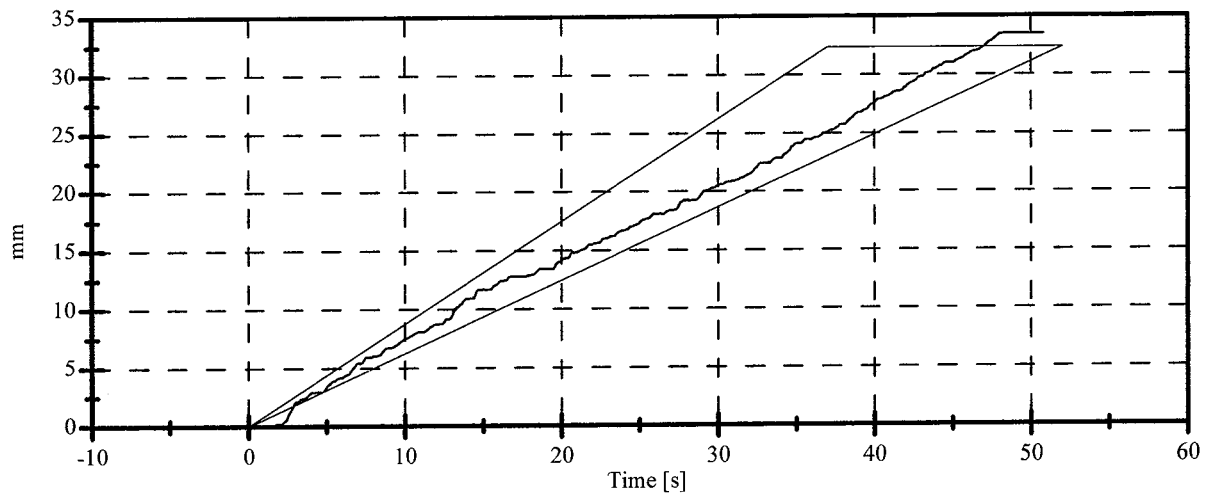
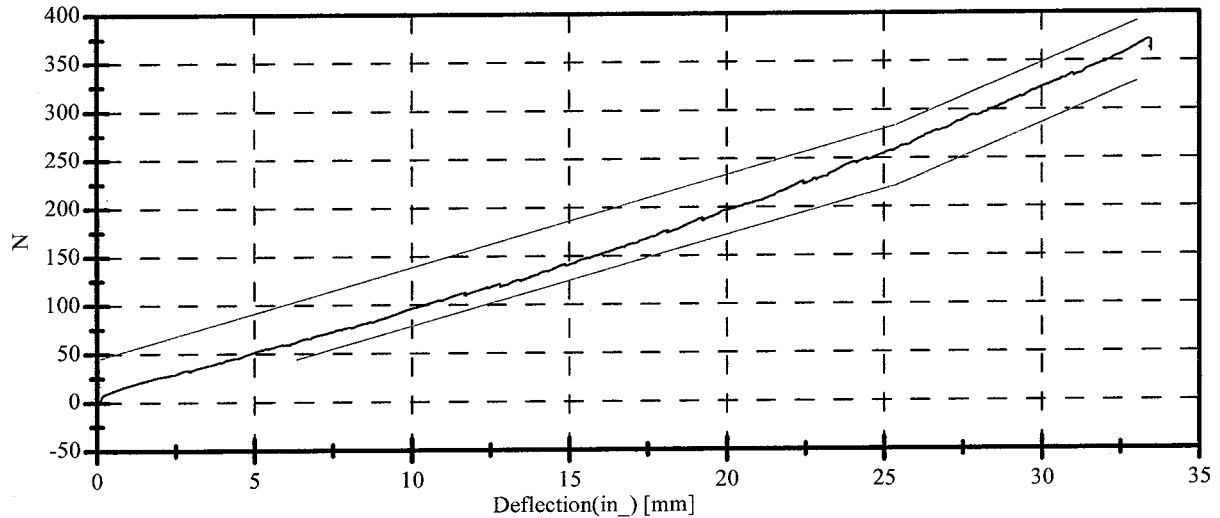
Abdomen Test
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013
Date: 03-19-07

Sequential Test Number: 1 File: 013AB 03-19-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	120.42 N	Passed
Force at 19.05 mm :	162.98-220.99 N	186.03 N	Passed
Force at 25.40 mm :	221.97-280.02 N	260.34 N	Passed
Force at 33.02 mm :	324.99-391.00 N	364.73 N	Passed

ABDOMINAL COMPRESSION TEST



Spine Test

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013

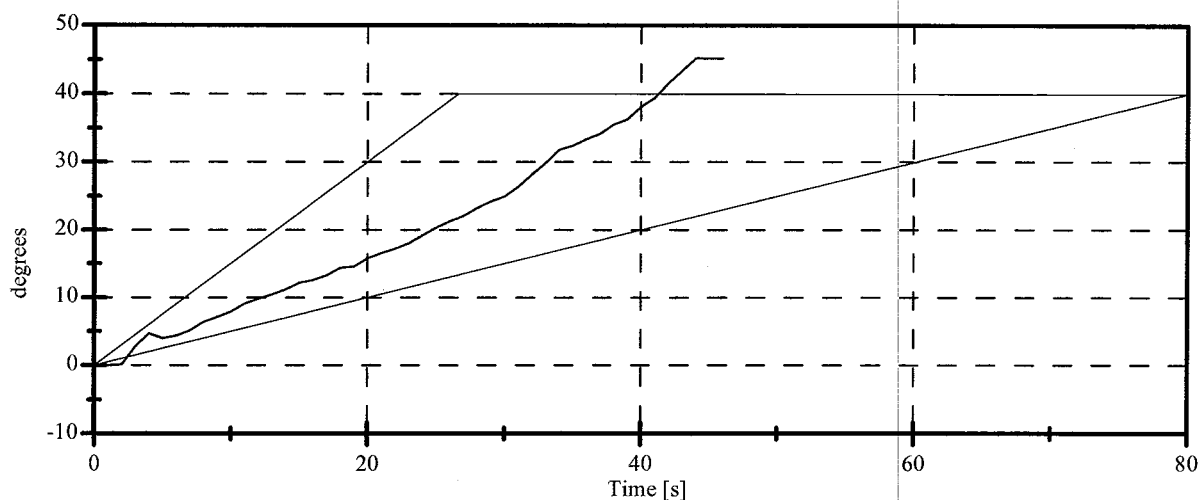
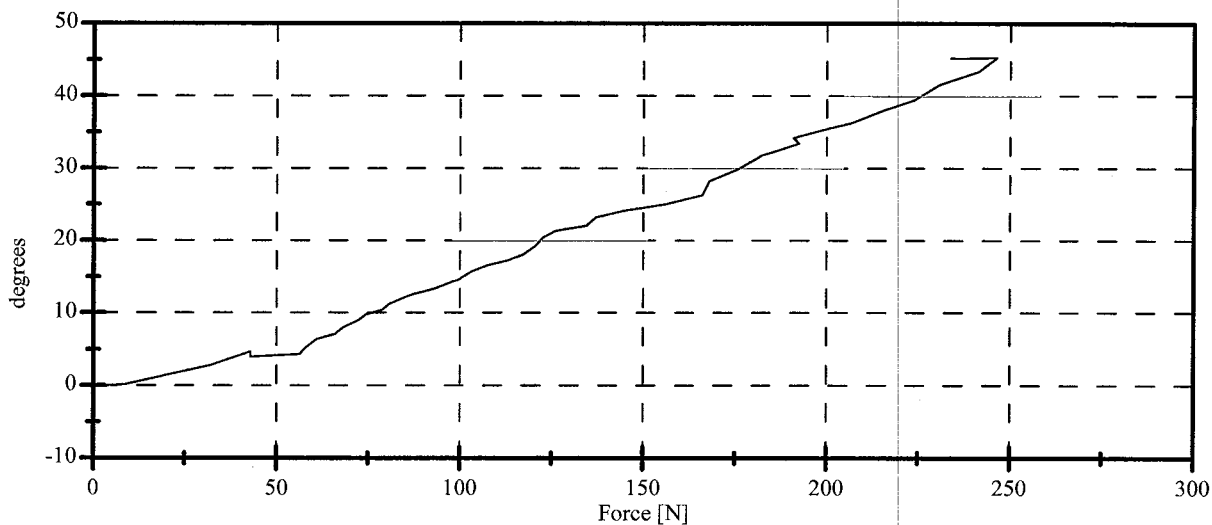
Date: 04-22-05

Sequential Test Number: 1 File: 013 Spine 04-22-05

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	36.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	2.76 N	Passed
Force at 20 Deg:	97.86-151.24 N	122.59 N	Passed
Force at 30 Deg:	151.24-204.62 N	175.82 N	Passed
Force at 40 Deg:	204.62-258.00 N	223.80 N	Passed
Return Angle	12 Deg Max	4.04 deg	Passed

LUMBAR SPINE FLEXION TEST



PRE-TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 013 Sequential Test Number: 1
Date: 3-19-07 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

CALIBRATION TEST RESULTS

PRE-TEST

SID NO.: 015

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 1
Date: 3-19-07 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
THORACIC SHOCK ABSORBER TEST	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
PRE-TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015

Date: 3-19-07

Sequential Test Number:

Laboratory Technician:

1

B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	511
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	239
KH- Knee Pivot from Back Line (mm)	511 - 526	518
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	376

REMARKS: None

Shock Low (3.05 m/s)

PRE TEST

CONFIGURED FOR LEFT SIDE IMPACT

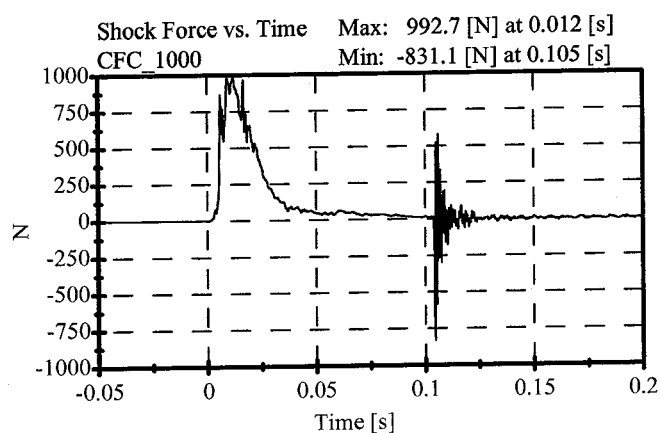
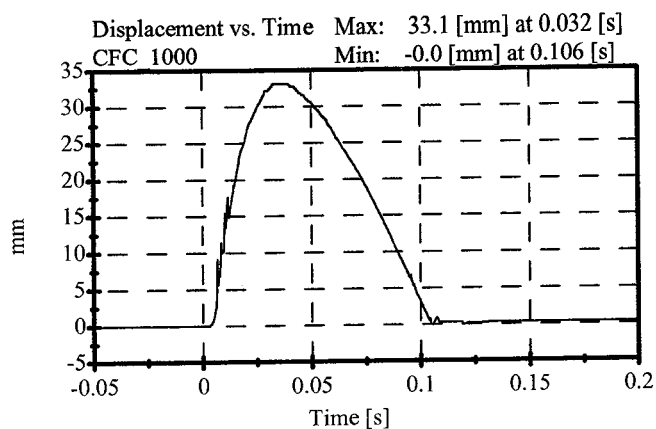
ATD Serial No: 015

Date: 03-22-07

Sequential Test Number: 1 File: 015 SL2 03-22-07

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	36.00 %	Passed
Displacement:	30.00-35.00 mm	33.10 mm	Passed
Maximum Force:	836.00-1125.00 N	992.69 N	Passed
Impact Test Velocity:	3.05 m/s		
Damper Identification:	015		
Damper Setting:	5		

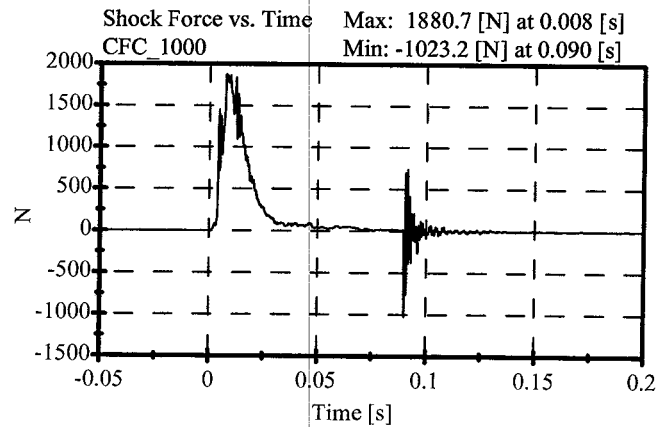
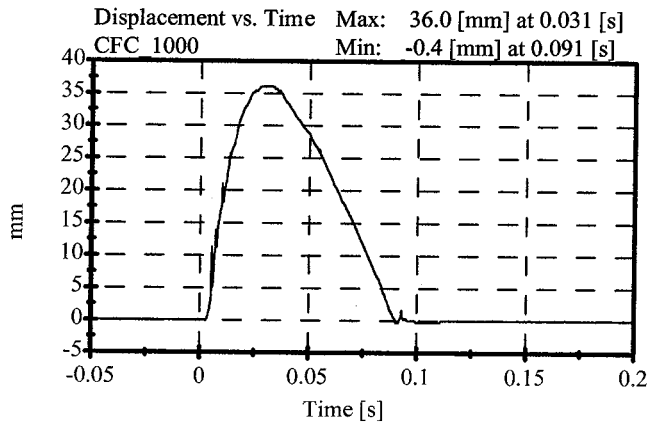


Shock Med (4.27 m/s)
PRE TEST
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 015
Date: 03-22-07

Sequential Test Number: 1 File: 015 SM 03-22-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	36.00 %	Passed
Displacement:	32.00-37.00 mm	36.04 mm	Passed
Maximum Force:	1730.00-2099.00 N	1880.70 N	Passed
Impact Test Velocity:	4.27 m/s		
Damper Identification:	015		
Damper Setting:	5		

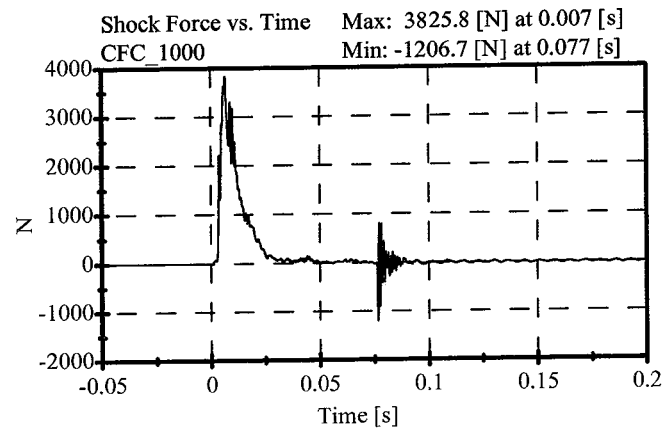
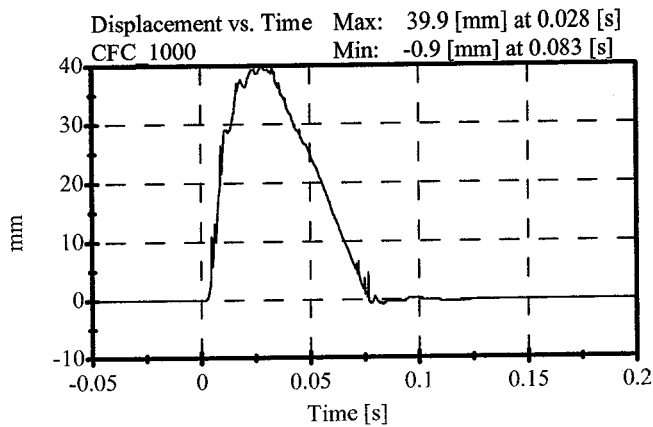


Shock High (6.10 m/s)
PRE TEST
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 015
Date: 03-22-07

Sequential Test Number: 1 File: 015 SH 03-22-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	36.00 %	Passed
Displacement:	33.00-40.00 mm	39.90 mm	Passed
Maximum Force:	3741.00-4448.00 N	3825.80 N	Passed
Impact Test Velocity:	6.10 m/s		
Damper Identification:	015		
Damper Setting:	5		

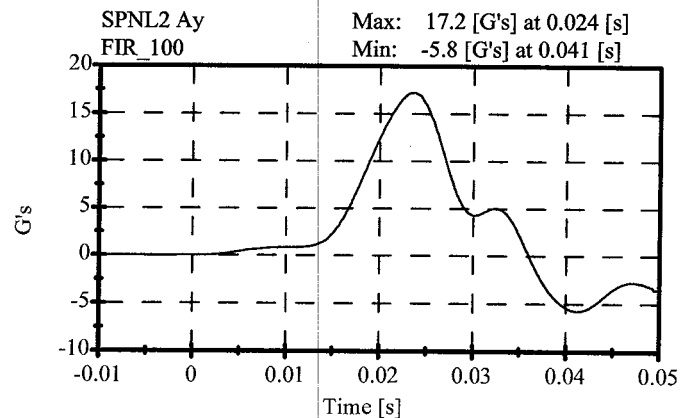
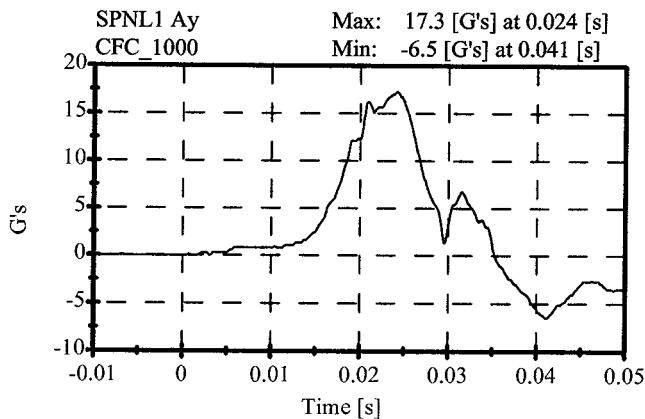
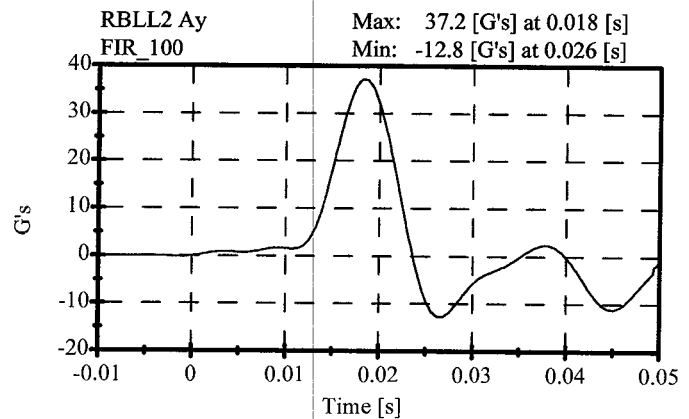
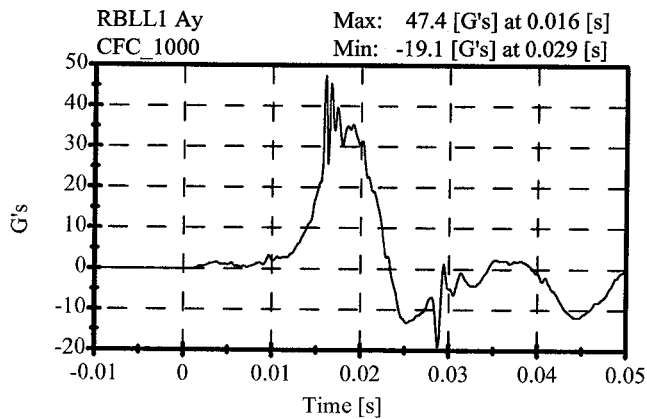
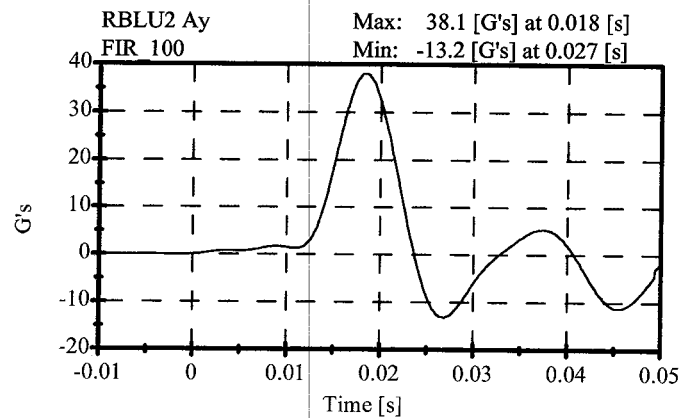
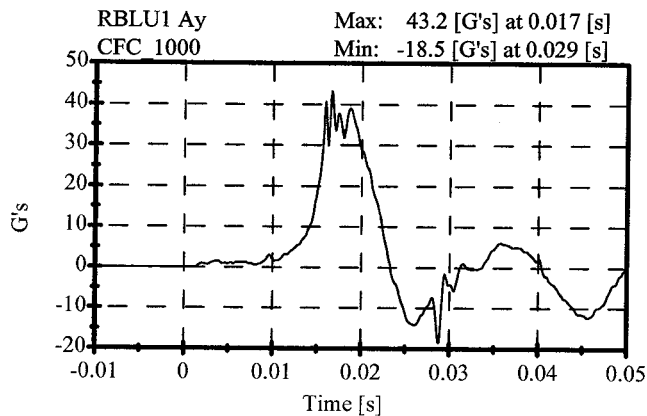


Thorax Impact
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 015
Date: 03-23-07

Sequential Test Number: 1 File: 015T 03-23-07
Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	31.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.30 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	38.06 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	37.21 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	17.24 G's	Passed

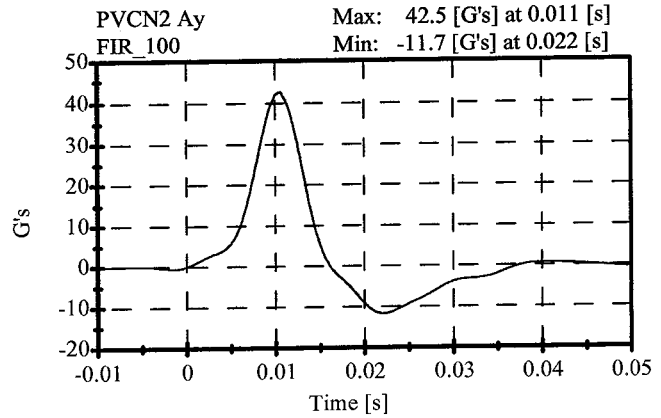
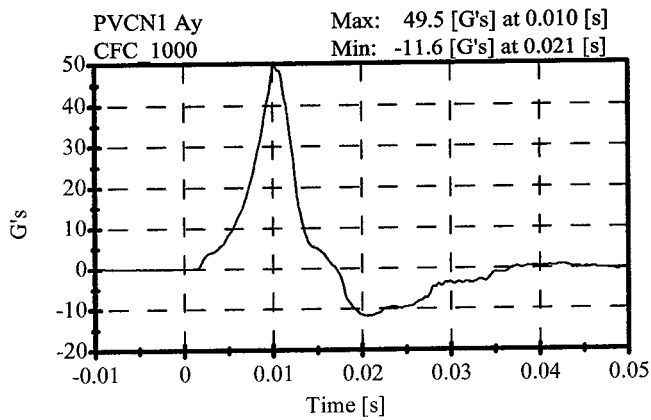


**Pelvic Impact
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT**

ATD Serial No: 015
Date: 03-15-07

Sequential Test Number: 1 File: 015P 03-15-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.32 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	42.48 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	6.1 ms	Passed



Head Drop

Pre-Test

CONFIGURED FOR LEFT SIDE IMPACT

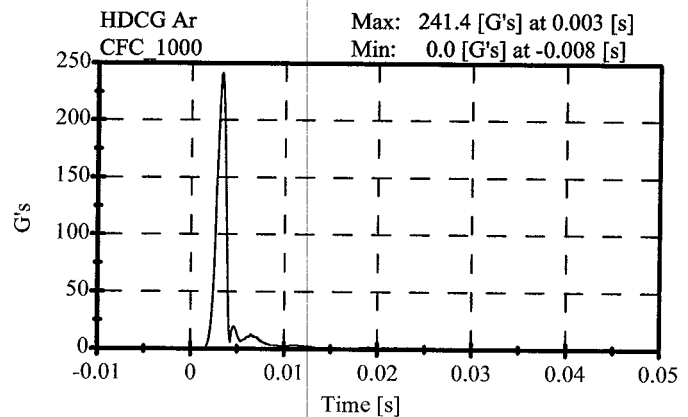
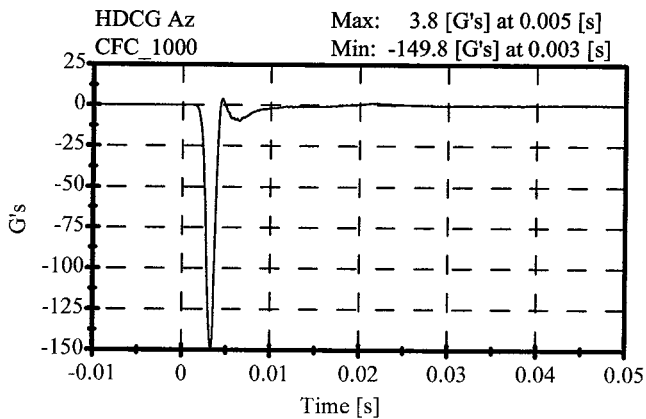
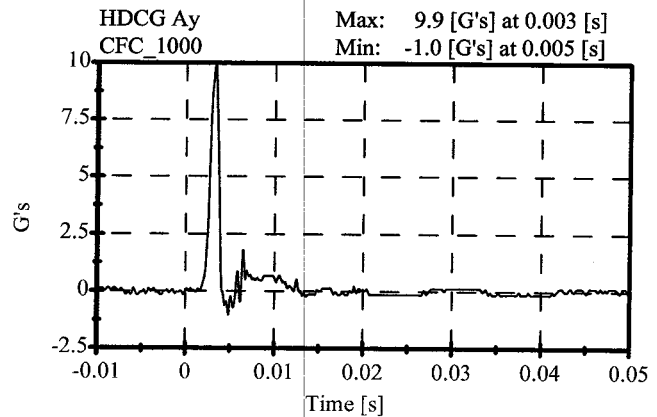
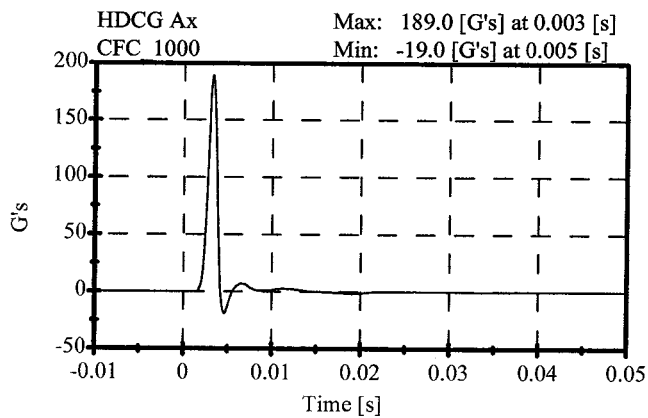
ATD Serial No: 015

Date: 04-21-05

Sequential Test Number: 1 File: 015H 04-21-05

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Peak Resultant Accel.:	210-260 Gs	241.36 Gs	Passed
Peak Lateral Accel.:	10 Gs Max	9.91 Gs	Passed
Unimodal Criteria Above 100 Gs:	0.9-1.5 ms	1.22 ms	Passed
Curve PerCent NonModal:	< 10%	7.99 %	Passed



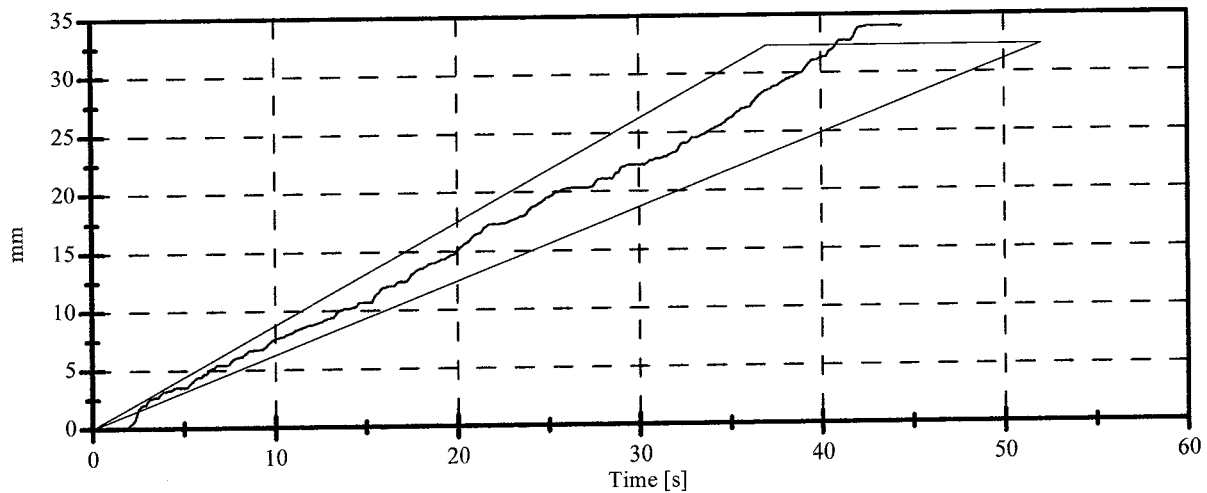
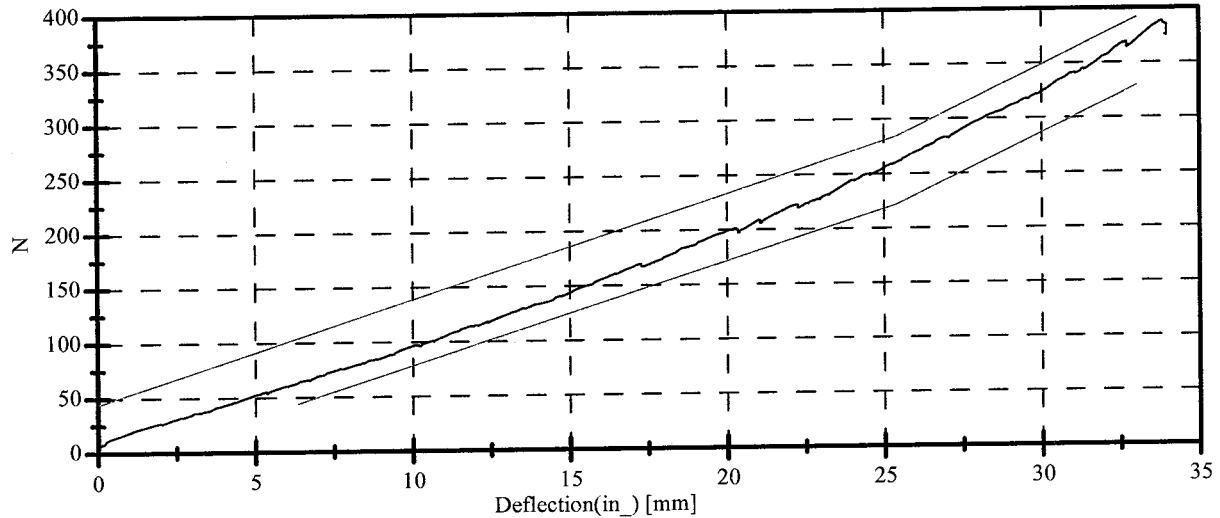
Abdomen Test
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 015
Date: 03-19-07

Sequential Test Number: 1 File: 015AB 03-19-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	122.95 N	Passed
Force at 19.05 mm :	162.98-220.99 N	187.11 N	Passed
Force at 25.40 mm :	221.97-280.02 N	259.97 N	Passed
Force at 33.02 mm :	324.99-391.00 N	373.79 N	Passed

ABDOMINAL COMPRESSION TEST



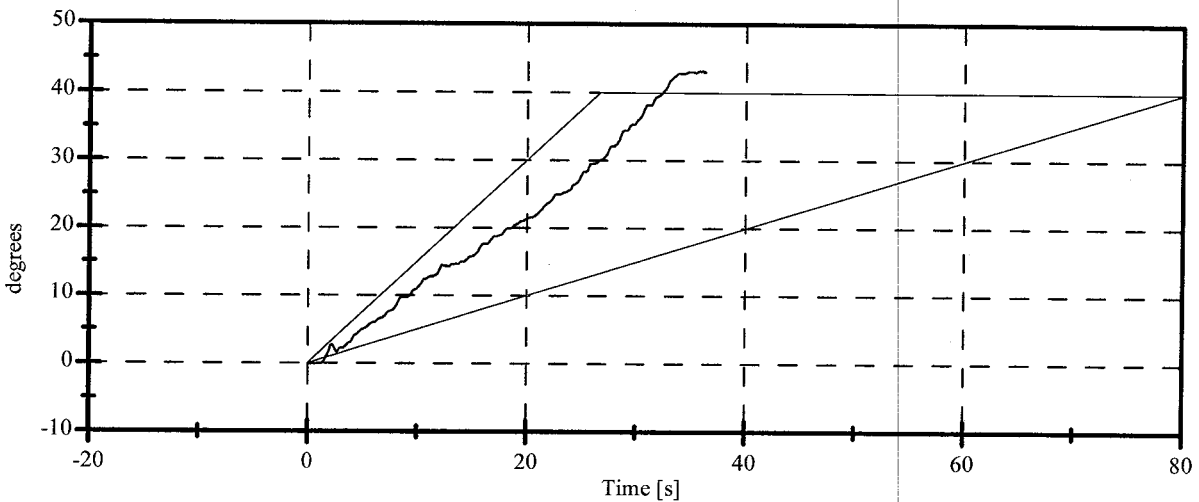
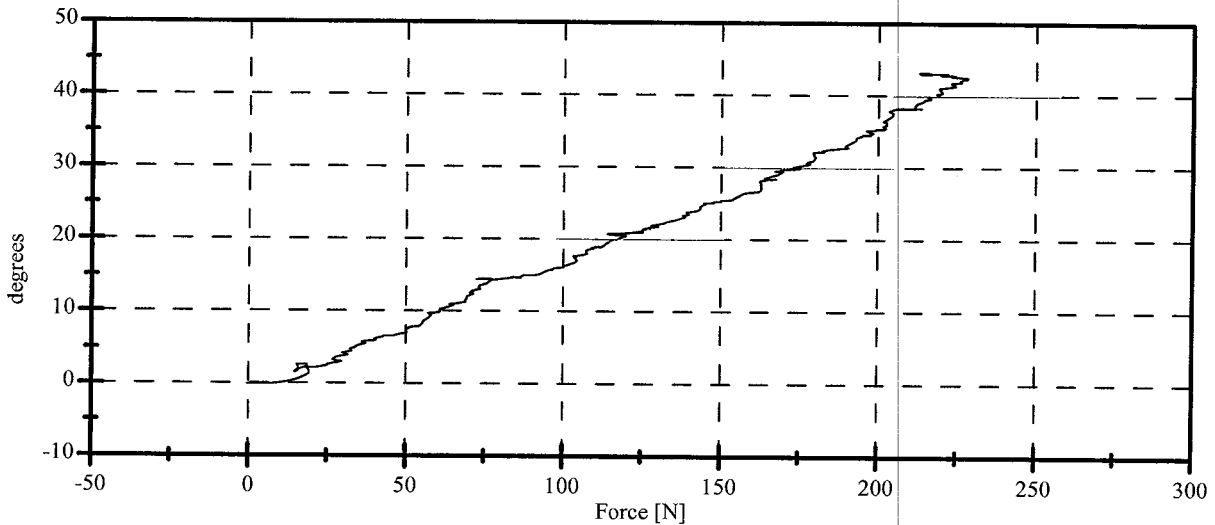
**Lumbar Spine
Pre-Test
CONFIGURED FOR LEFT SIDE IMPACT**

ATD Serial No: 015
Date: 03-19-07

Sequential Test Number: 1 File: 015SP 03-19-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	9.80 N	Passed
Force at 20 Deg:	97.86-151.24 N	116.87 N	Passed
Force at 30 Deg:	151.24-204.62 N	172.50 N	Passed
Force at 40 Deg:	204.62-258.00 N	219.50 N	Passed
Return Angle	12 Deg Max	3.82 deg	Passed

LUMBAR SPINE FLEXION TEST



PRE-TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 1
Date: 3-19-07 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

CALIBRATION TEST RESULTS
POST TEST

SID NO.: 013

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 013 Sequential Test Number: 1
Date: 4-2-07 Laboratory Technician: B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 013

Date: 4-2-07

Sequential Test Number:

Laboratory Technician:

1

B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	513
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	239
KH- Knee Pivot from Back Line (mm)	511 - 526	518
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	378

REMARKS: None

Thorax Impact

Post-Test

CONFIGURED FOR LEFT SIDE IMPACT

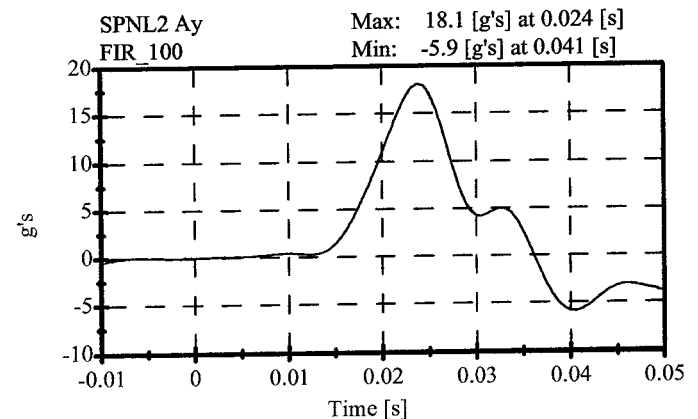
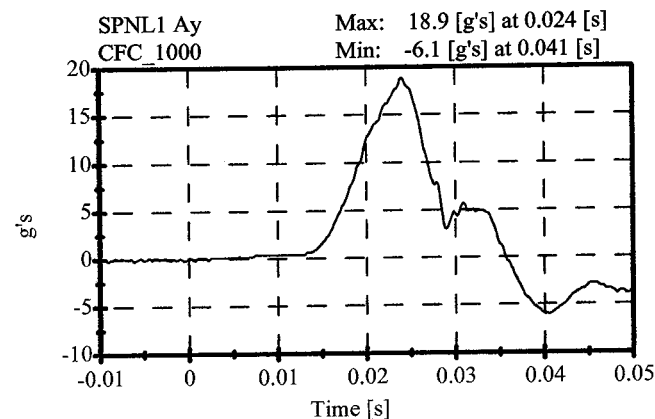
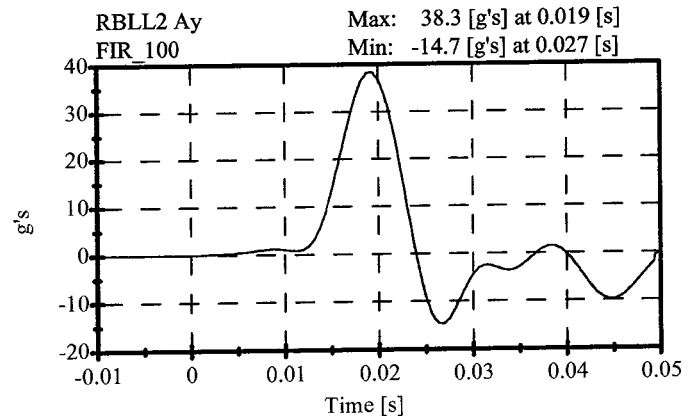
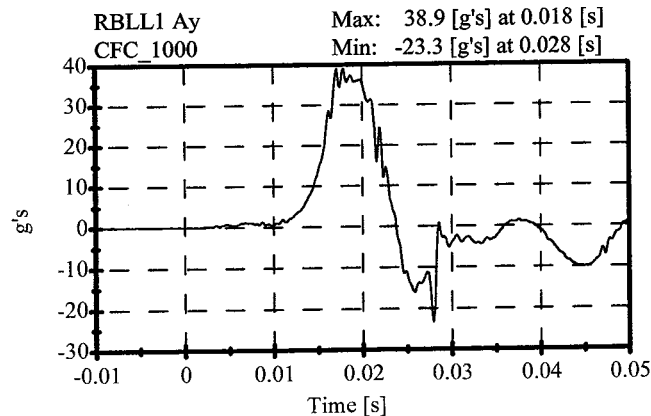
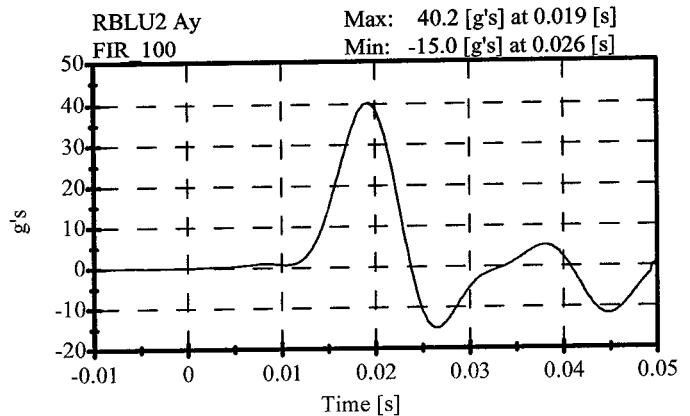
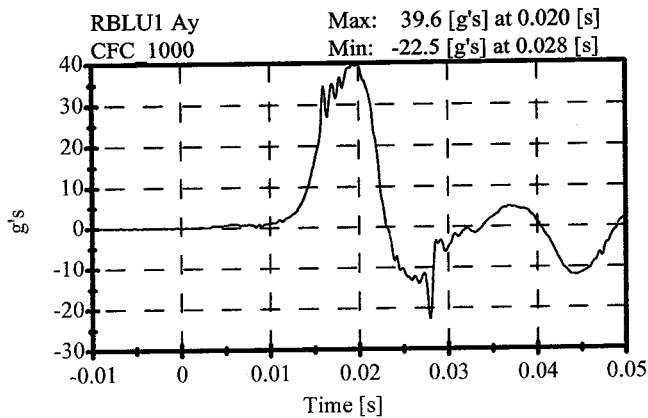
ATD Serial No: 013

Date: 04-02-07

Sequential Test Number: 1 File: 013T 04-02-07

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.31 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 g's	40.23 g's	Passed
Lower Rib Acceleration:	37.00-46.00 g's	38.31 g's	Passed
Lower Spine Acceleration:	15.00-22.00 g's	18.10 g's	Passed

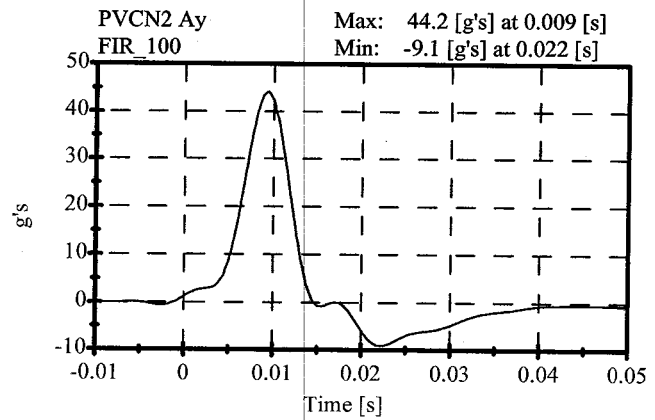
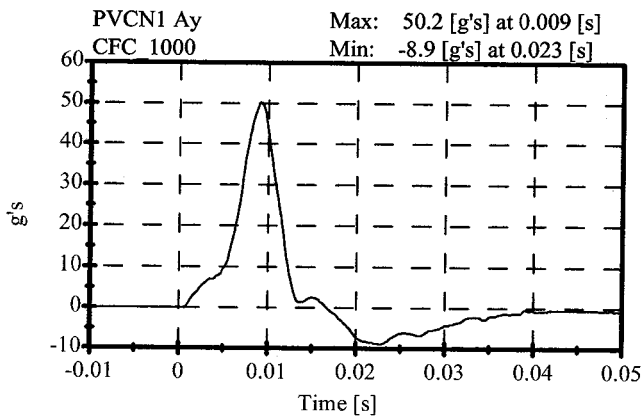


Pelvic Impact
Post-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013
Date: 04-02-07

Sequential Test Number: 1 File: 013P 04-02-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.29 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 g's	44.21 g's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.8 ms	Passed



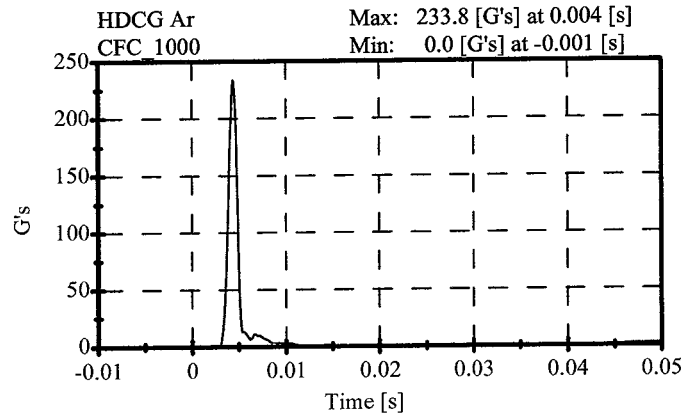
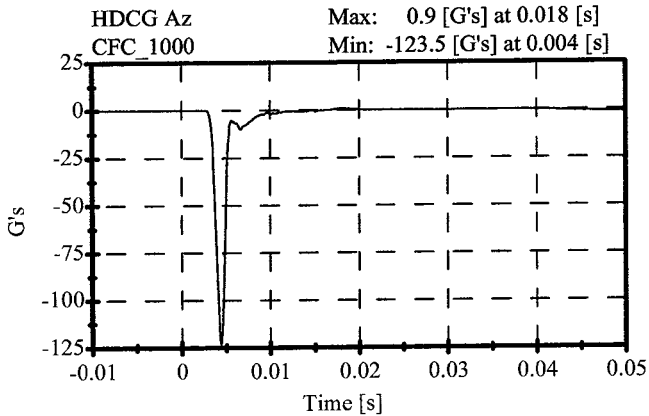
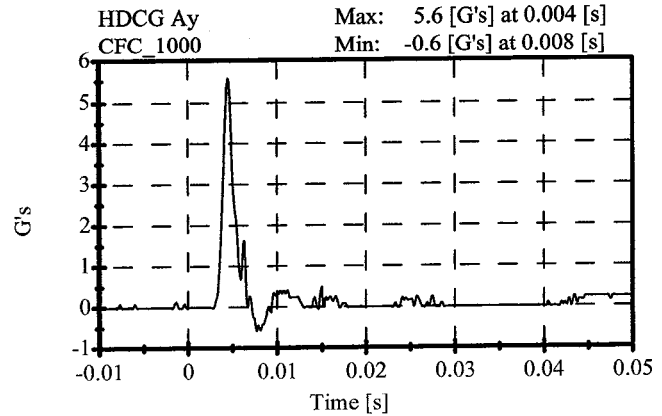
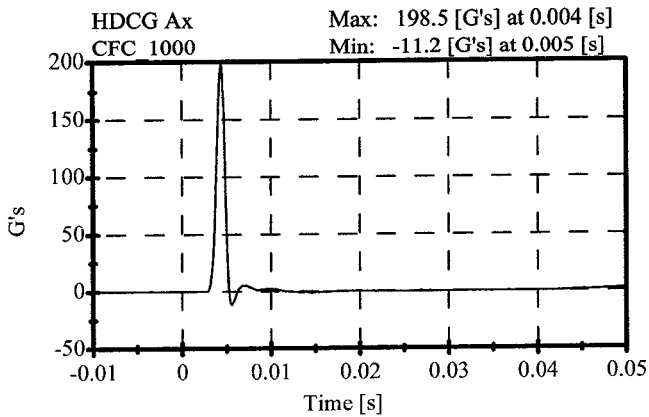
**Head Drop
Post-Test**

CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013
Date: 04-02-07

Sequential Test Number: 1 File: 013HD 04-02-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Peak Resultant Accel.:	210-260 Gs	233.81 Gs	Passed
Peak Lateral Accel.:	10 Gs Max	5.57 Gs	Passed
Unimodal Criteria Above 100 Gs:	0.9-1.5 ms	1.15 ms	Passed
Curve PerCent NonModal:	< 10%	5.56 %	Passed



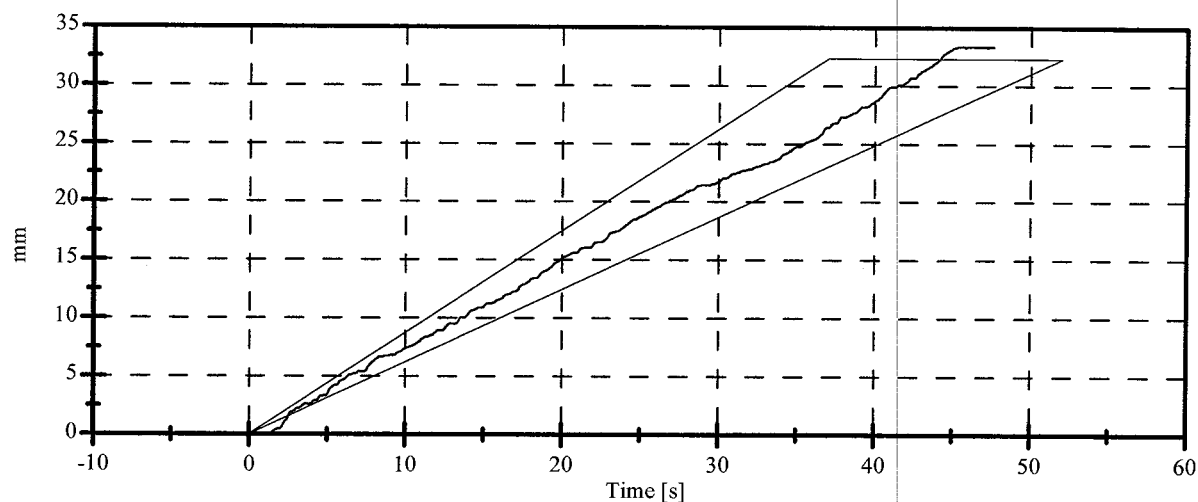
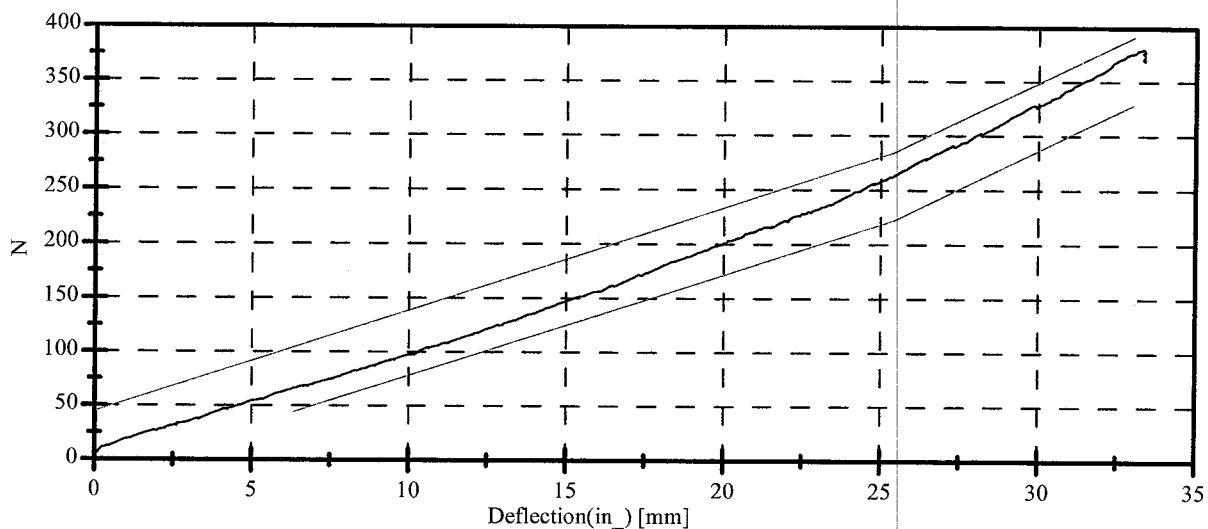
Abdomen Test
Post-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 013
Date: 04-02-07

Sequential Test Number: 1 File: 013AB 04-02-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	125.13 N	Passed
Force at 19.05 mm :	162.98-220.99 N	190.74 N	Passed
Force at 25.40 mm :	221.97-280.02 N	262.51 N	Passed
Force at 33.02 mm :	324.99-391.00 N	375.60 N	Passed

ABDOMINAL COMPRESSION TEST



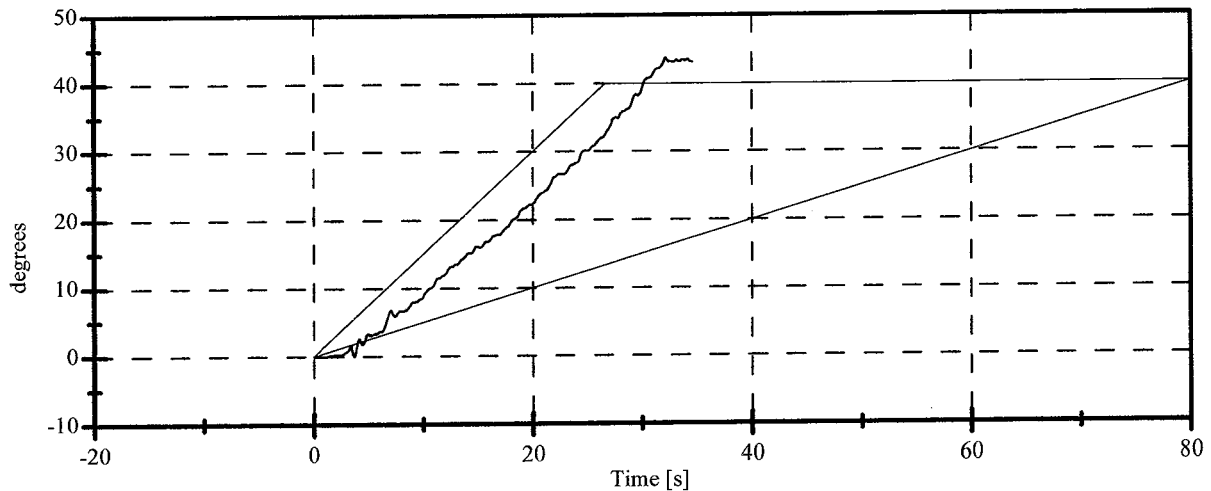
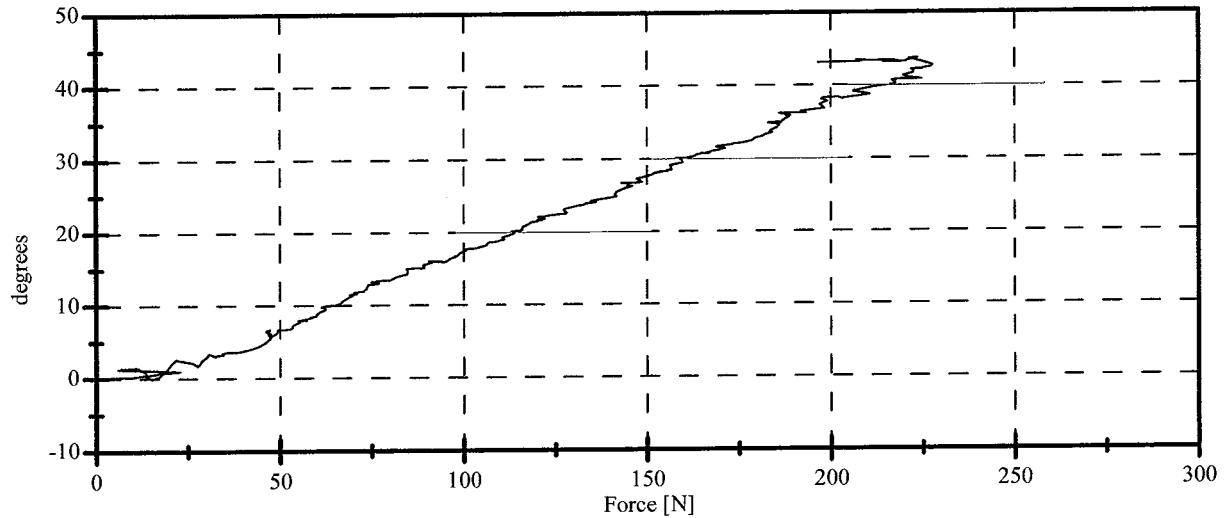
**Lumbar Spine
Post-Test
CONFIGURED FOR LEFT SIDE IMPACT**

ATD Serial No: 013
Date: 04-02-07

Sequential Test Number: 1 File: 013SP 04-02-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	0.66 N	Passed
Force at 20 Deg:	97.86-151.24 N	112.95 N	Passed
Force at 30 Deg:	151.24-204.62 N	158.39 N	Passed
Force at 40 Deg:	204.62-258.00 N	217.68 N	Passed
Return Angle	12 Deg Max	2.13 deg	Passed

LUMBAR SPINE FLEXION TEST



POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 013 Sequential Test Number: 1
 Date: 4-2-07 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

CALIBRATION TEST RESULTS

POST TEST

SID NO.: 015

CONFIGURED FOR LEFT SIDE IMPACT

**CALIBRATION TEST RESULTS SUMMARY
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015

Date: 4-2-07

Sequential Test Number:

Laboratory Technician:

1

B. Swiecicki

TEST	COMMENTS
EXTERNAL DIMENSIONS	Passed all requirements.
LATERAL THORAX IMPACT TEST	Passed all requirements.
LATERAL PELVIS IMPACT TEST	Passed all requirements.
HEAD DROP TEST*	Passed all requirements.
ABDOMINAL COMPRESSION TEST*	Passed all requirements.
LUMBAR FLEXION TEST*	Passed all requirements.

* Test not required for SID certification.

REMARKS: None

**EXTERNAL DIMENSIONS
POST TEST**

CONFIGURED FOR LEFT SIDE IMPACT

SID Serial No.: 015 Sequential Test Number: 1
Date: 4-2-07 Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS
SH- Seated Height (mm)	889 - 909	902
RH- Rib Height (mm)	502 - 520	511
HP- Hip Pivot Height (mm)	99 ref.	99
RD- Rib from Back Line (mm)	229 - 241	239
KH- Knee Pivot from Back Line (mm)	511 - 526	518
KV- Knee Pivot to Floor (mm)	490 - 505	493
HW- Hip Width (mm)	356 - 391	376

REMARKS: None

Thorax Impact
Post-Test
CONFIGURED FOR LEFT SIDE IMPACT

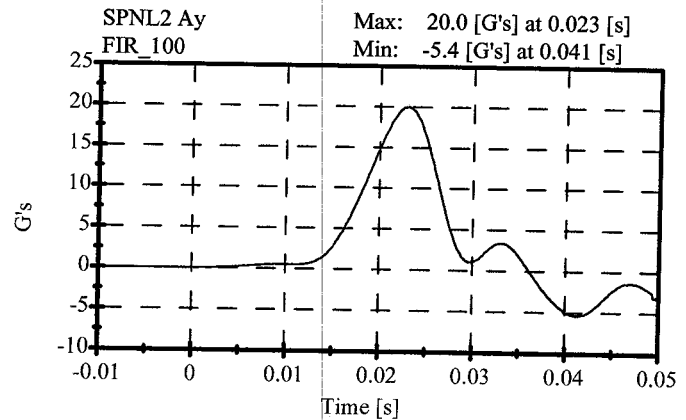
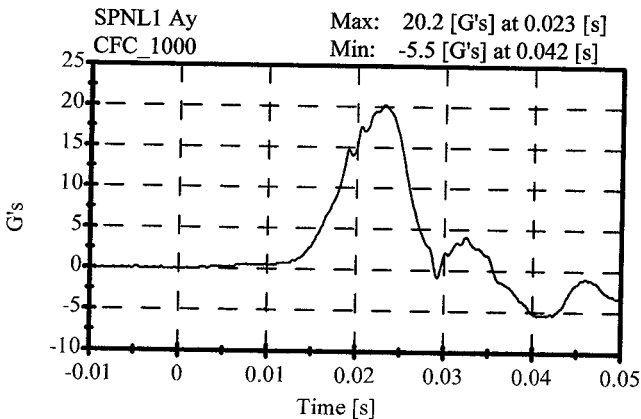
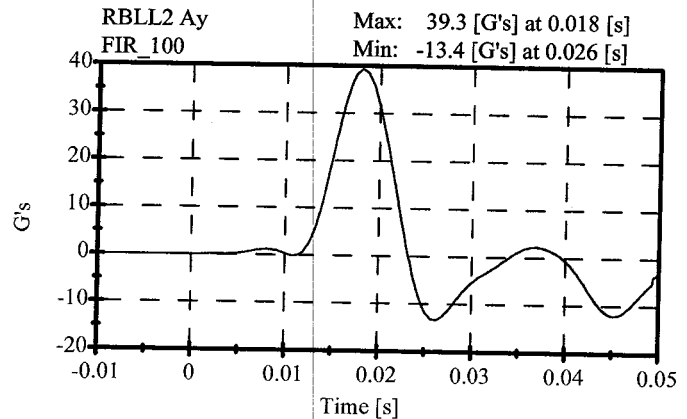
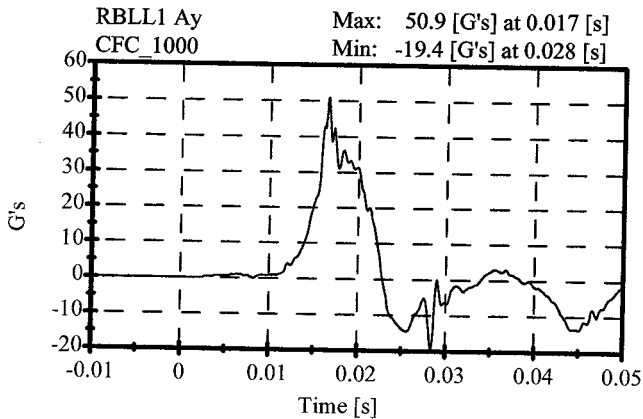
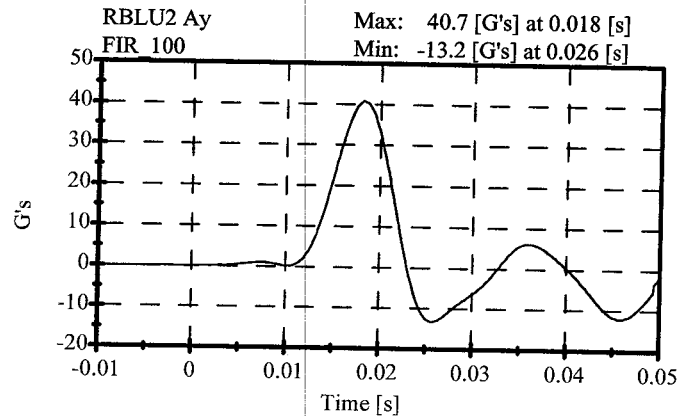
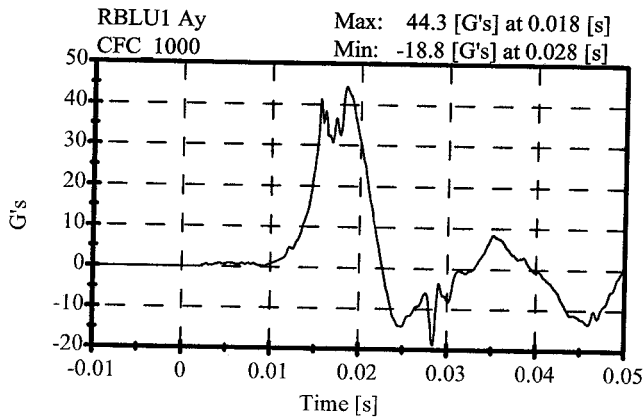
ATD Serial No: 015

Date: 04-02-07

Sequential Test Number: 1 File: 015T2 04-02-07

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.33 m/s	Passed
Upper Rib Acceleration:	37.00-46.00 G's	40.71 G's	Passed
Lower Rib Acceleration:	37.00-46.00 G's	39.34 G's	Passed
Lower Spine Acceleration:	15.00-22.00 G's	20.02 G's	Passed



Pelvic Impact

Post-Test

CONFIGURED FOR LEFT SIDE IMPACT

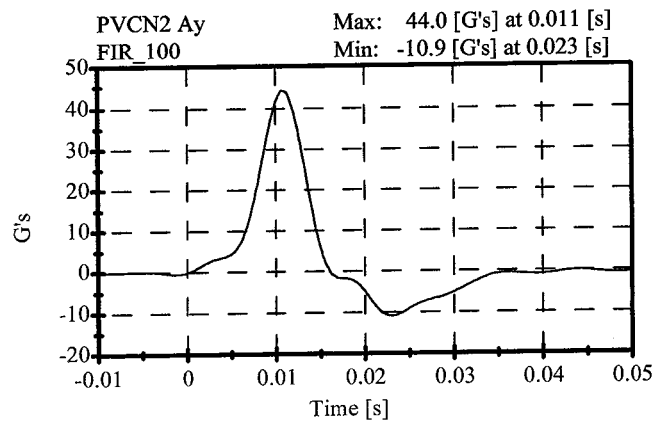
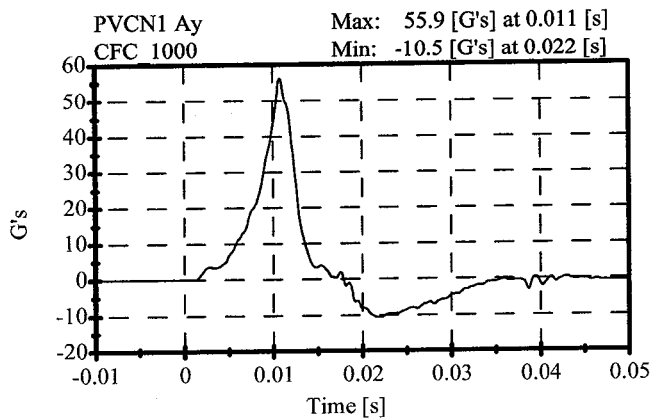
ATD Serial No: 015

Date: 04-02-07

Sequential Test Number: 1 File: 015P 04-02-07

Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	37.00 %	Passed
Probe Velocity:	4.27- 4.33 m/s	4.31 m/s	Passed
Pelvis Y Acceleration:	40.00-60.00 G's	44.03 G's	Passed
Time Above 20 Gs	3.0-7.0 ms	5.9 ms	Passed



Head Drop

Post-Test

CONFIGURED FOR LEFT SIDE IMPACT

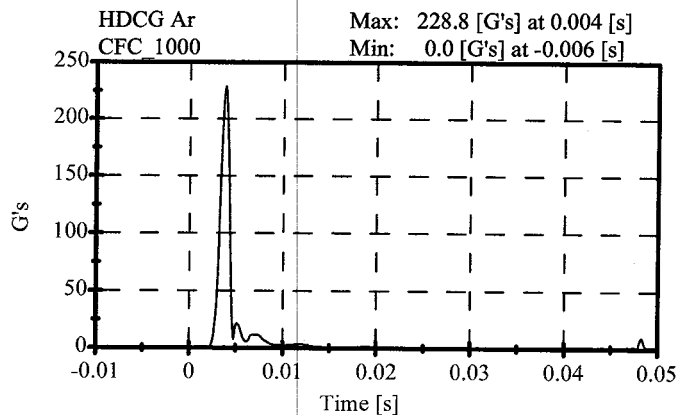
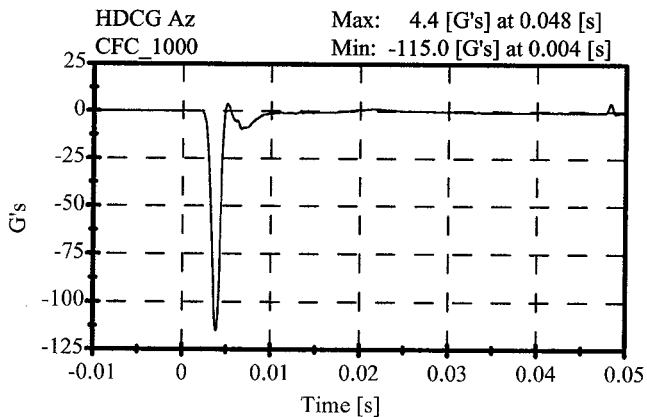
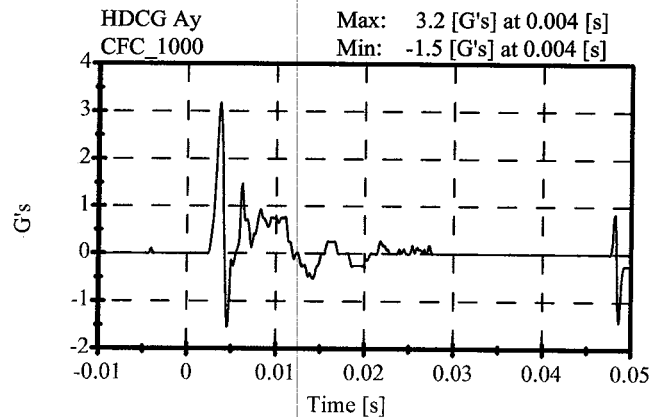
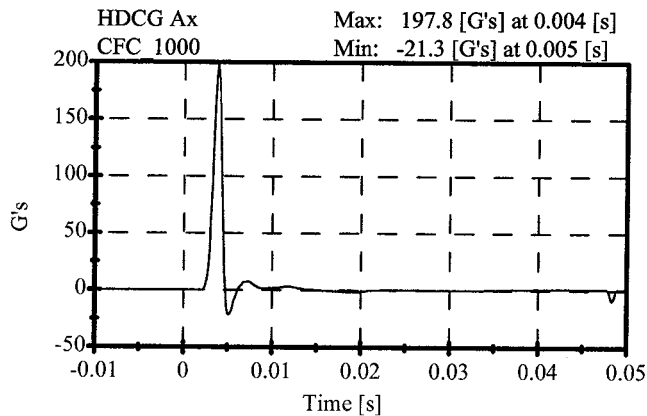
ATD Serial No: 015

Date: 04-02-07

Sequential Test Number: 1 File: 015HD1 04-02-07

Laboratory Technician: B. Swiecicki

TEST PARAMETER	SPECIFICATION	TEST RESULTS	STATUS
Lab Temperature:	18.9-25.6 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Peak Resultant Accel.:	210-260 Gs	228.80 Gs	Passed
Peak Lateral Accel.:	10 Gs Max	3.18 Gs	Passed
Unimodal Criteria Above 100 Gs:	0.9-1.5 ms	1.18 ms	Passed
Curve PerCent NonModal:	< 10%	9.46 %	Passed



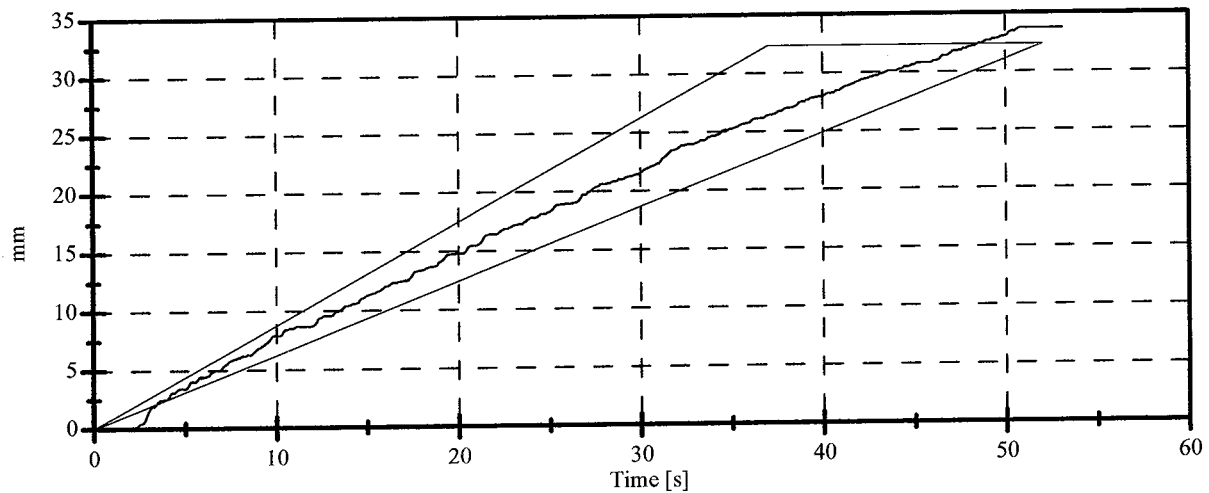
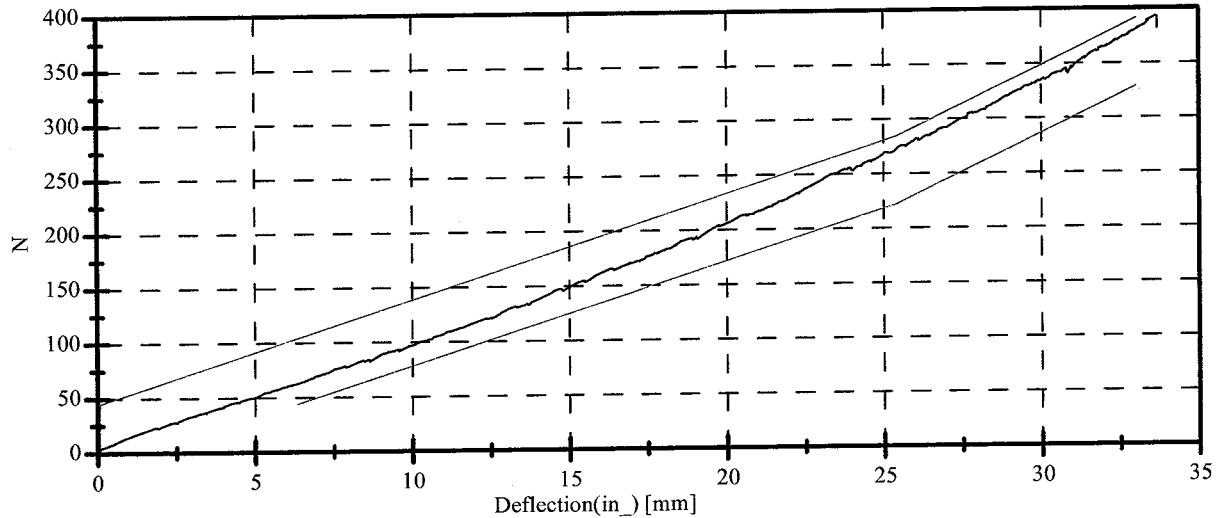
Abdomen Test
Post-Test
CONFIGURED FOR LEFT SIDE IMPACT

ATD Serial No: 015
Date: 04-02-07

Sequential Test Number: 1 File: 015AB 04-02-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 12.95 mm :	104.00-162.00 N	126.22 N	Passed
Force at 19.05 mm :	162.98-220.99 N	192.91 N	Passed
Force at 25.40 mm :	221.97-280.02 N	272.30 N	Passed
Force at 33.02 mm :	324.99-391.00 N	381.04 N	Passed

ABDOMINAL COMPRESSION TEST



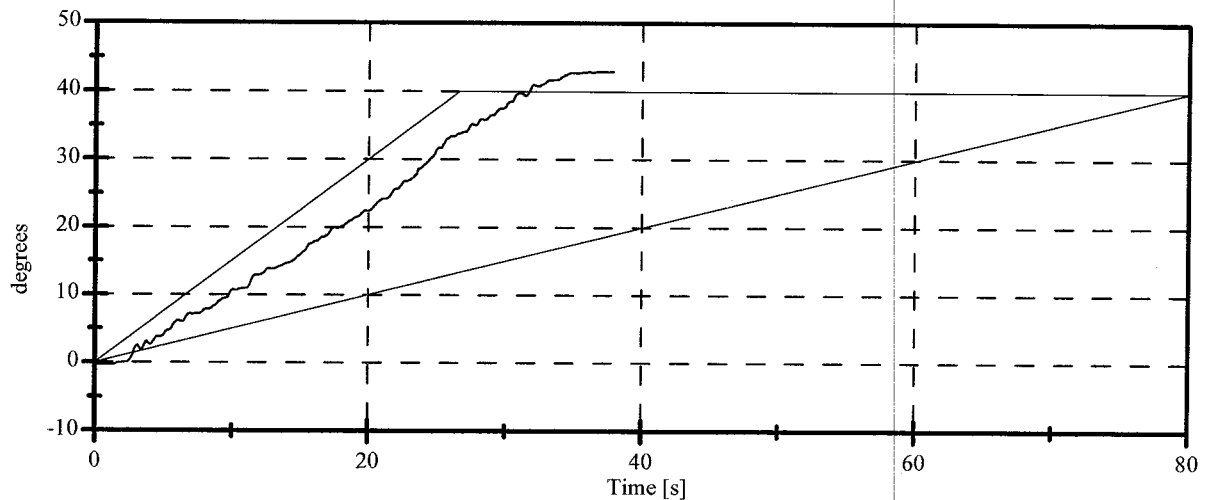
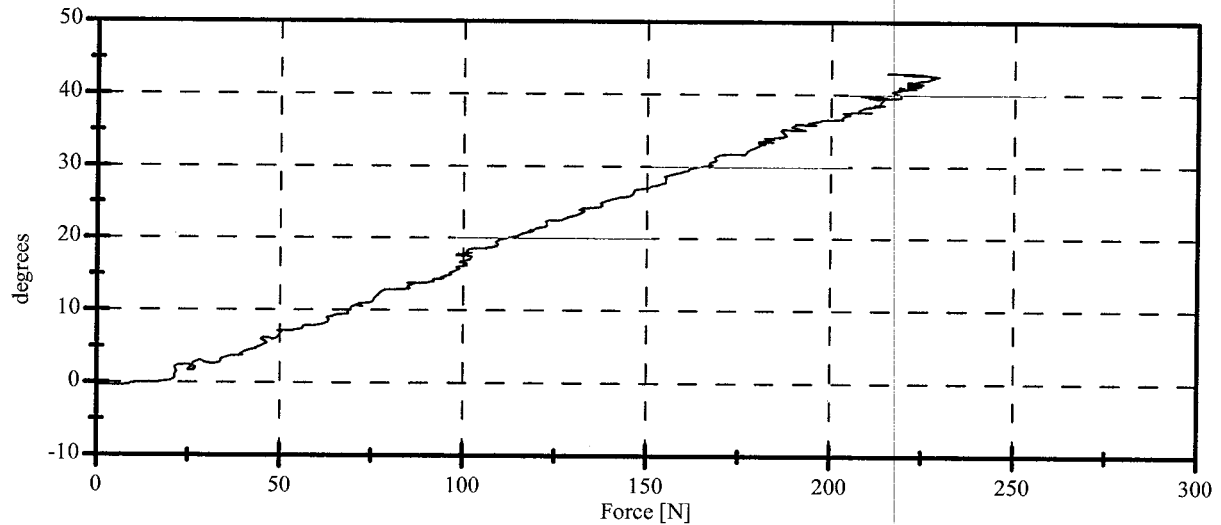
**Lumbar Spine
Post-Test
CONFIGURED FOR LEFT SIDE IMPACT**

ATD Serial No: 015
Date: 04-02-07

Sequential Test Number: 1 File: 015SP 04-02-07
Laboratory Technician: B. Swiecicki

<u>TEST PARAMETER</u>	<u>SPECIFICATION</u>	<u>TEST RESULTS</u>	<u>STATUS</u>
Lab Temperature:	18.9-25.5 C	21.1 C	Passed
Lab Humidity:	10-70 %	35.00 %	Passed
Force at 0 Deg:	0.00-26.69 N	10.32 N	Passed
Force at 20 Deg:	97.86-151.24 N	112.43 N	Passed
Force at 30 Deg:	151.24-204.62 N	163.62 N	Passed
Force at 40 Deg:	204.62-258.00 N	218.98 N	Passed
Return Angle	12 Deg Max	3.95 deg	Passed

LUMBAR SPINE FLEXION TEST



POST TEST DUMMY INSPECTION LIST
CONFIGURED FOR LEFT SIDE IMPACT

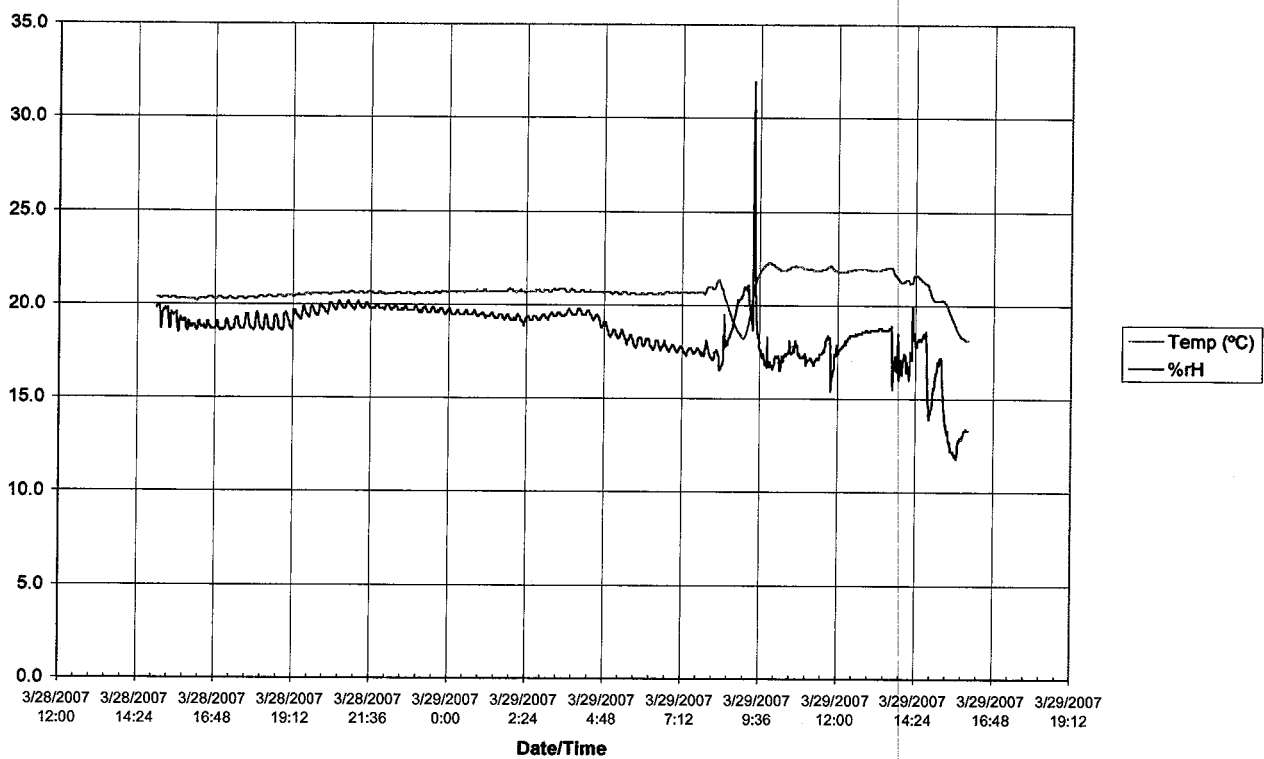
SID Serial No.: 015 Sequential Test Number: 1
 Date: 4-2-07 Laboratory Technician: B. Swiecicki

PART	ITEMS CHECKED	COMMENTS
SKIN	VISUAL INSPECTION	OK
HEAD	VISUAL, BALLAST, ACCELEROMETER MOUNT	OK
NECK	VISUAL, CABLE TORQUE	OK
SPINE BOX	VISUAL, BALLAST, WELDMENT, ACCELEROMETER MOUNT	OK
RIB CAGE	VISUAL, MEASURE, STIFFENERS	OK
STERNUM	VISUAL	OK
LUMBAR SPINE	VISUAL	OK
ABDOMEN	VISUAL	OK
PELVIS	VISUAL, PALPATE, ACCELEROMETER MOUNT	OK
UPPER LEGS	VISUAL	OK
KNEES	VISUAL, STOPS, INSERTS	OK
LOWER LEGS	VISUAL, RANGE OF MOTION	OK
ANKLES	VISUAL, RANGE OF MOTION	OK
FEET	VISUAL, RANGE OF MOTION	OK
JOINTS	1 TO 2 g RANGE	OK
OTHER	NONE	-

REMARKS: None

TEMPERATURE TRACE – Test

2007 Toyota Yaris C75110 Environmental Conditions



APPENDIX D

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

SID INSTRUMENTATION

	FRONT SID NO.: 013		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
HEAD AX	AC-P17235	ENDEVCO	29-Jan-07
HEAD AY	AC-P23640	ENDEVCO	29-Jan-07
HEAD AZ	AC-P16863	ENDEVCO	29-Jan-07
UPPER RIB	AC-P32464	ENDEVCO	19-Feb-07
LOWER RIB	AC-P32197	ENDEVCO	19-Feb-07
LOWER SPINE	AC-P32455	ENDEVCO	19-Feb-07
PELVIS	AC-P18524	ENDEVCO	19-Feb-07
UPPER RIB REDUNDANT	AC-P32295	ENDEVCO	19-Feb-07
LOWER RIB REDUNDANT	AC-P32227	ENDEVCO	19-Feb-07
LOWER SPINE REDUNDANT	AC-P32139	ENDEVCO	19-Feb-07
PELVIS REDUNDANT	AC-P18518	ENDEVCO	19-Feb-07

	REAR SID NO.: 015		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
HEAD AX	AC-P17283	ENDEVCO	29-Jan-07
HEAD AY	AC-P17285	ENDEVCO	29-Jan-07
HEAD AZ	AC-P14393	ENDEVCO	29-Jan-07
UPPER RIB	AC-P32289	ENDEVCO	19-Feb-07
LOWER RIB	AC-P32217	ENDEVCO	19-Feb-07
LOWER SPINE	AC-P32146	ENDEVCO	19-Feb-07
PELVIS	AC-P18533	ENDEVCO	19-Feb-07
UPPER RIB REDUNDANT	AC-P32276	ENDEVCO	19-Feb-07
LOWER RIB REDUNDANT	AC-P32453	ENDEVCO	19-Feb-07
LOWER SPINE REDUNDANT	AC-P32225	ENDEVCO	19-Feb-07
PELVIS REDUNDANT	AC-P18531	ENDEVCO	19-Feb-07

REMARKS: None

TEST EQUIPMENT LIST AND CALIBRATION INFORMATION

VEHICLE AND MDB INSTRUMENTATION

	VEHICLE AND MDB INSTRUMENTS		
	SERIAL NUMBER	MANUFACTURER	CALIBRATION DATE
RIGHT FRONT SILL (X)	AC-P23939	ENDEVCO	15-Jan-07
RIGHT FRONT SILL (Y)	AC-P23999	ENDEVCO	15-Jan-07
RIGHT FRONT SILL (Z)	AC-P23993	ENDEVCO	15-Jan-07
RIGHT REAR SILL (X)	AC-P18785	ENDEVCO	15-Jan-07
RIGHT REAR SILL (Y)	AC-P32218	ENDEVCO	15-Jan-07
RIGHT REAR SILL (Z)	AC-P23926	ENDEVCO	15-Jan-07
REAR FLOORPAN ABOVE AXLE (X)	AC-P17563	ENDEVCO	15-Jan-07
REAR FLOORPAN ABOVE AXLE (Y)	AC-P18948	ENDEVCO	15-Jan-07
REAR FLOORPAN ABOVE AXLE (Z)	AC-P14965	ENDEVCO	15-Jan-07
LEFT REAR SILL (Y)	AC-FA2473	ICS	09-Jan-07
LEFT FRONT SILL (Y)	AC-FA2484	ICS	12-Jan-07
LEFT FRONT DOOR CENTERLINE (Y)	AC-P23976	ENDEVCO	16-Jan-07
RIGHT REAR SEAT OCCUPANT COMP. (Y)	AC-P18514	ENDEVCO	19-Feb-07
MID REAR OF LEFT FRONT DOOR (Y)	AC-P18688	ENDEVCO	19-Feb-07
LEFT FRONT DOOR UPPER CL (Y)	AC-P35758	ENDEVCO	16-Jan-07
MID REAR OF LEFT REAR DOOR (Y)	AC-P19197	ENDEVCO	19-Feb-07
LEFT REAR DOOR UPPER CL (Y)	AC-P23155	ENDEVCO	16-Jan-07
LOWER LEFT B- PILLAR (Y)	AC-P16662	ENDEVCO	19-Feb-07
MIDDLE LEFT B-PILLAR (Y)	AC-P17237	ENDEVCO	15-Jan-07
LOWER LEFT A-PILLAR (Y)	AC-P16625	ENDEVCO	15-Jan-07
UPPER LEFT A-PILLAR (Y)	AC-J32838	ENDEVCO	15-Jan-07
FRONT SEAT TRACK (Y)	AC-C15007	ENDEVCO	26-Jan-07
REAR SEAT TRACK (Y)	AC-C16416	ENDEVCO	26-Jan-07
VEHICLE CG (X)	AC-C16499	ENDEVCO	26-Jan-07
VEHICLE CG (Y)	AC-C14948	ENDEVCO	26-Jan-07
VEHICLE CG (Z)	AC-C16680	ENDEVCO	26-Jan-07
MDB CG (X)	AC-P23939	ENDEVCO	15-Jan-07
MDB CG (Y)	AC-P23999	ENDEVCO	15-Jan-07
MDB CG (Z)	AC-P23993	ENDEVCO	15-Jan-07
MDB REAR FRAME MEMBER (X)	AC-P18785	ENDEVCO	15-Jan-07
MDB REAR FRAME MEMBER (Y)	AC-P32218	ENDEVCO	15-Jan-07

REMARKS: None