PB 288 961

NHTSA Technical Report
DOT HS-803-530

CALIBRATION OF THREE YEAR OLD CHILD DUMMIES

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May 1978

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16. Abstract

Tests were performed to develop appropriate calibration procedures to measure the dynamic response of a three-year-old dummy using acceleration measurements. The calibration procedure consisted of four parts: Part I Head Impact tests, Part II Chest Impact tests, Part III Head-Neck-Pendulum tests, and Part IV Lumbar Spine Flexion tests.

The data from the Head Impact test, Head-Neck-Pendulum tests and the Lumbar Spine Flexion tests gave repeatable data. The data from the Chest Impacts were inconsistent.

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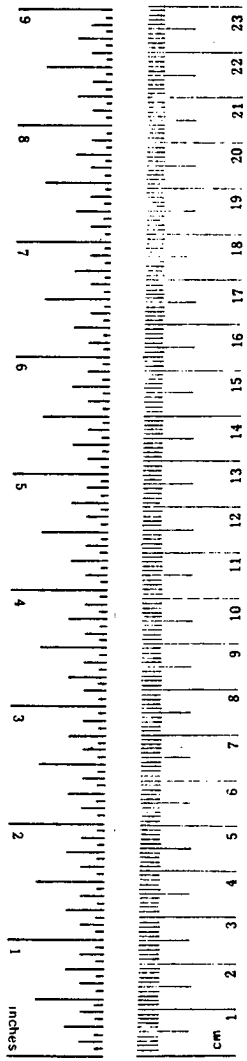
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METRIC CONVERSION FACTORS

Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
		LENGTH		
in	inches	*2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
		AREA		
in^2	square inches	6.5	square centimeters	cm^2
ft^2	square feet	0.09	square meters	m^2
yd^2	square yards	0.8	square meters	m^2
mi^2	square miles	2.6	square kilometers	km^2
	acres	0.4	hectares	ha
		MASS (weight)		
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
		VOLUME		
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft^3	cubic feet	0.03	cubic meters	m^3
yd^3	cubic yards	0.76	cubic meters	m^3
		TEMPERATURE (exact)		
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

*1 in = 2.54 (exactly). For other exact conversions and more detailed tables, see NBS Misc. Publ. 286, Units of Weights and Measures, Price $2.25, SD Catalog No. C13.10:286.



Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
		LENGTH		
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
m	meters	1.1	yards	yd
km	kilometers	0.6	miles	mi
		AREA		
cm^2	square centimeters	0.16	square inches	in^2
m^2	square meters	1.2	square yards	yd^2
km^2	square kilometers	0.4	square miles	mi^2
ha	hectares (10,000 m^2)	2.5	acres	
		MASS (weight)		
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
		VOLUME		
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
l	liters	0.26	gallons	gal
m^3	cubic meters	35	cubic feet	ft^3
m^3	cubic meters	1.3	cubic yards	yd^3
		TEMPERATURE (exact)		
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F

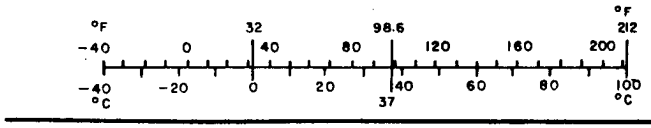


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1. INTRODUCTION

This test program was performed in response to a request from the Office of Crashworthiness (OCW), National Highway Traffic Safety Administration (NHTSA).

1.1 Purpose

The objective of this test program was to develop appropriate procedures to measure the dynamic response of a three-year-old dummy using acceleration measurements.

2. DISCUSSION

2.1 Part I - Head Impact Tests

2.1.1 Test Procedures

The three-year-old dummy was positioned in an upright sitting position with the dummy's back supported by a rigid backstop (Figure 1). To position the dummy for impact the lower legs were bent down and the dummy's back was placed firmly against the back stop. The lower legs were then extended straight out in front of the dummy and two rods placed under the legs to hold them in position. The arms were also extended straight out in front of the dummy. The forehead was impacted at the vertical tangent point in the midsaggital plane, 2.9 inches below the top of the head, at a velocity of 7 fps. The face of the test probe was vertical at impact (Figures 2 and 3). Details of the test probe are shown in Figure 4. A modified accelerometer mount (Figures 5, 6 and 7) was installed in the head cavity to reduce the ringing effect which was prevalent with the original accelerometer mount. Figure 8 shows a typical head impact setup.

2.2.2 Test Equipment

Triaxial Accelerometer, Model 7267C, Endevco Corp.

Accelerometer, Model 7232C, Endevco Corp.

Computer, Model 6-103, Varian Instruments

Oscillograph, Model 1858, Honeywell Corp.

Light Trap, Model 32-37-15, Bausch & Lomb

Scale: 0.125 inch = 1 inch

Dimensions are in inches

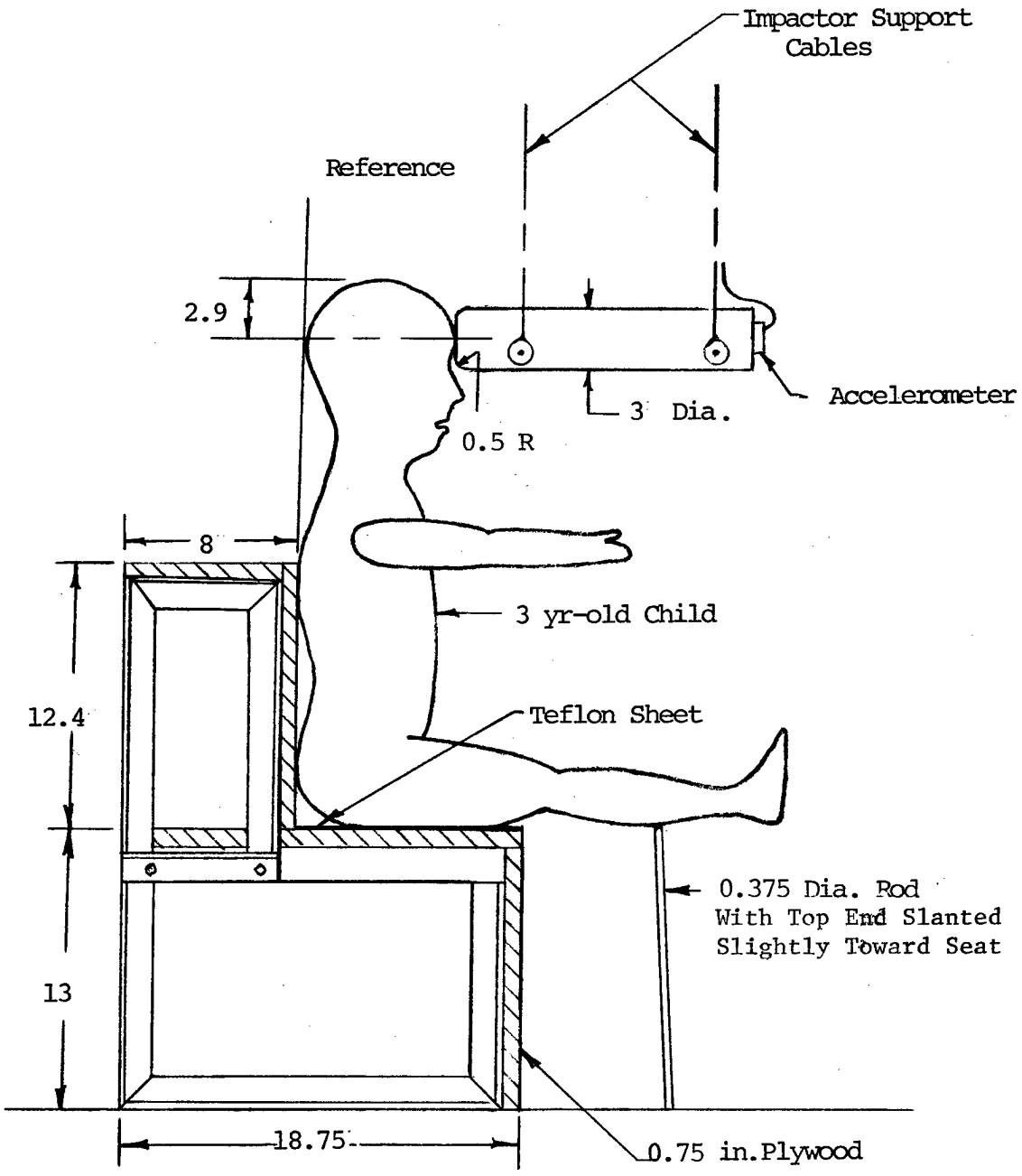


FIGURE 1

HEAD IMPACT TEST CONFIGURATION

Scale: 0.5 inch = 1 foot

Dimensions are in inches

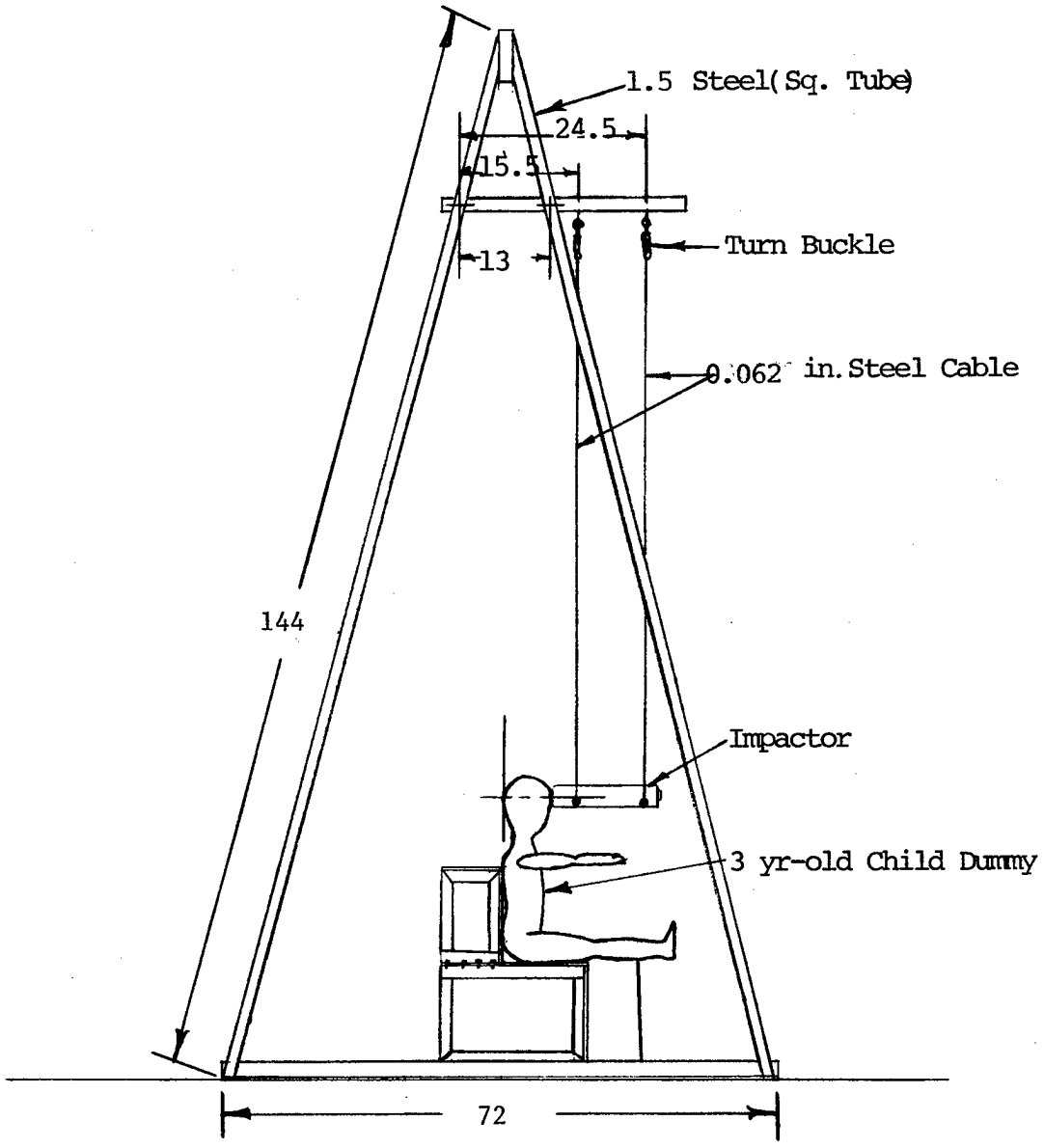


FIGURE 2

HEAD-CHEST IMPACT TEST FRAME, SIDE VIEW

Scale: 0.5 inch = 1 foot

Dimensions are in inches

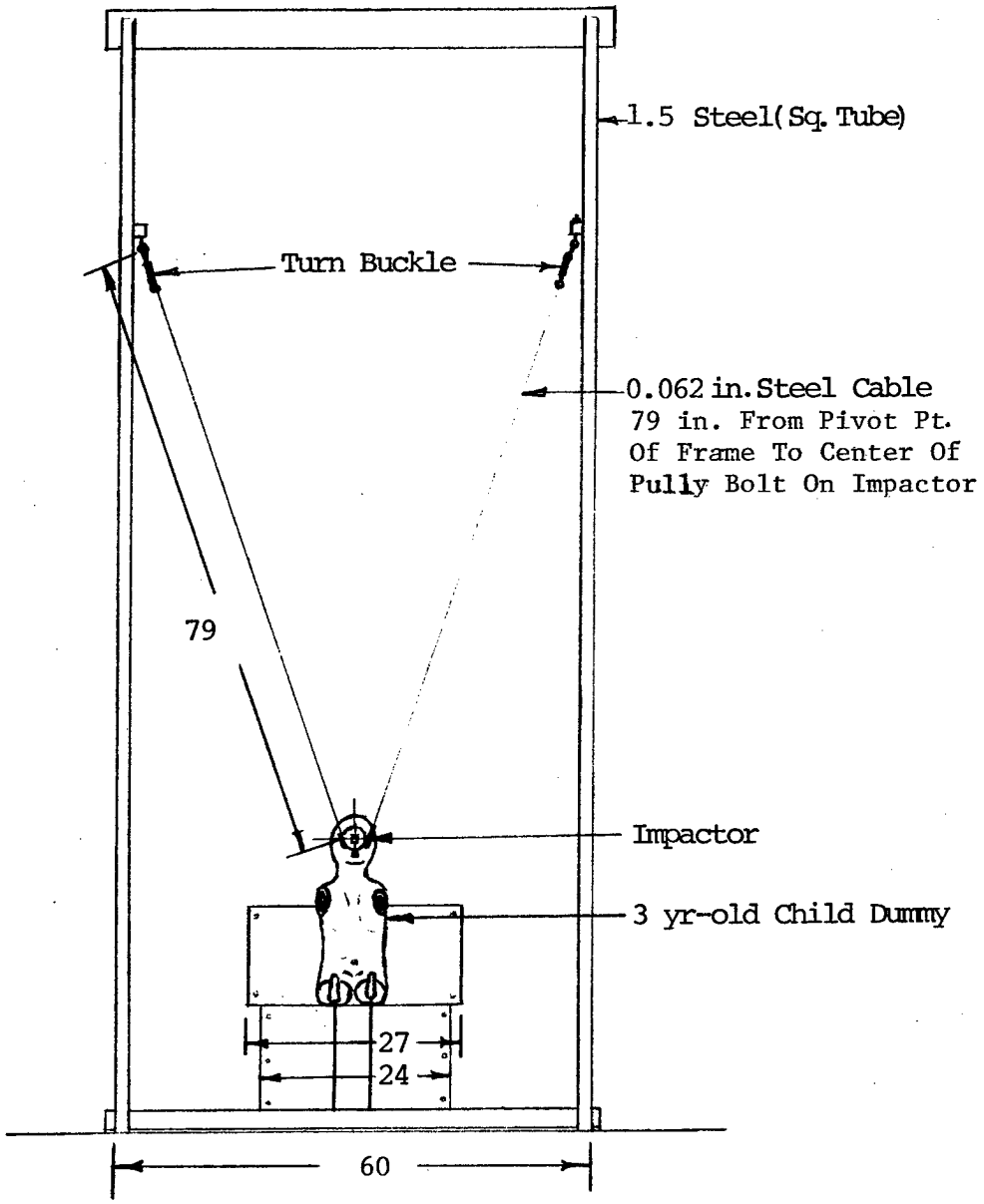
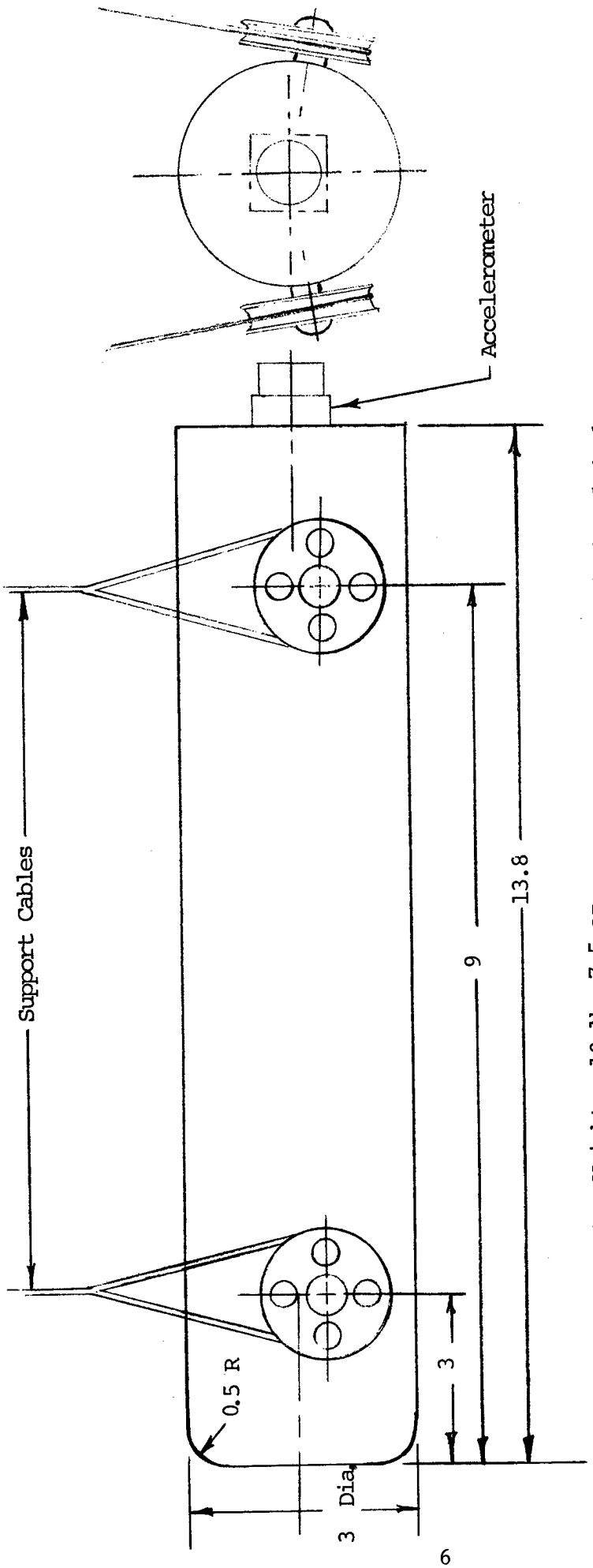


FIGURE 3

HEAD-CHEST IMPACT TEST FRAME, FRONT VIEW



Scale: 0.5 inch = 1 inch

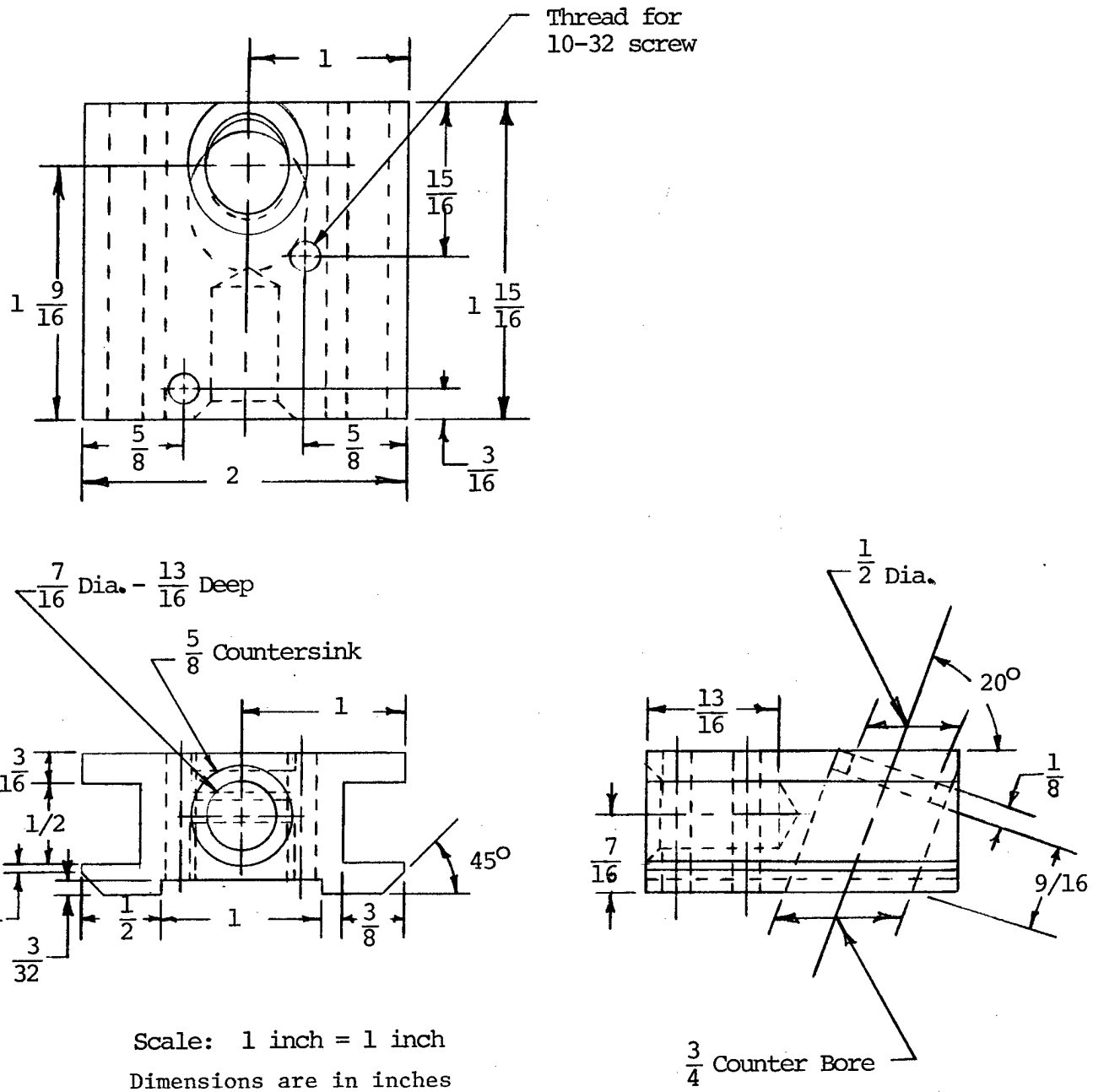
Dimensions are in inches

Impactor Weight - 10 lbs 7.5 oz

(6064 Aluminum)

FIGURE 4

HEAD-CHEST TEST PROBE



Scale: 1 inch = 1 inch

Dimensions are in inches

FIGURE 5

HEAD ACCELEROMETER MOUNT

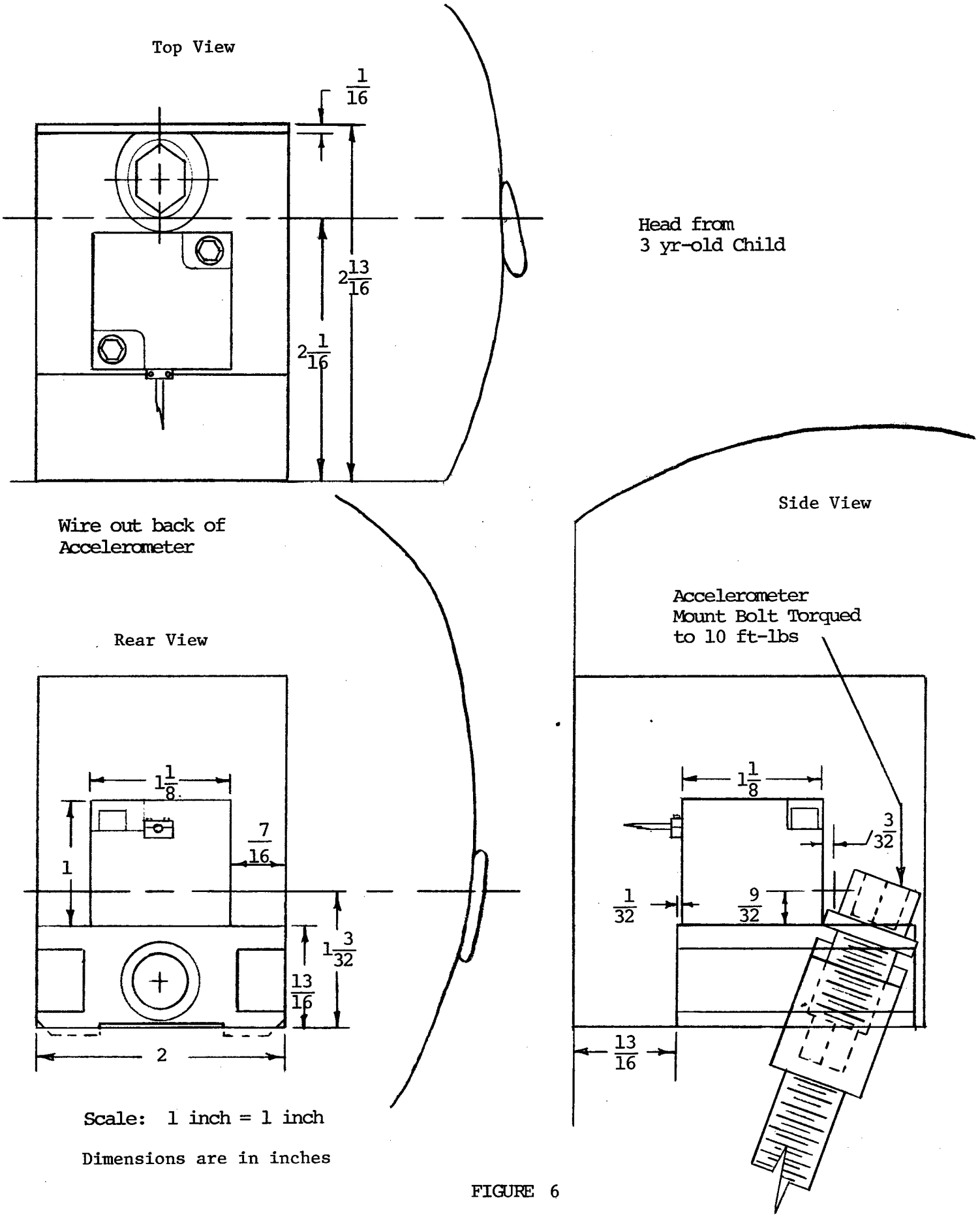
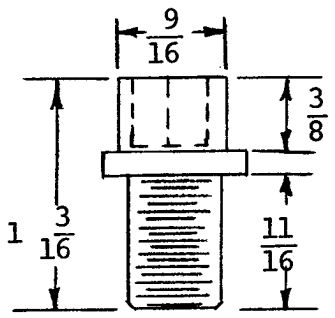


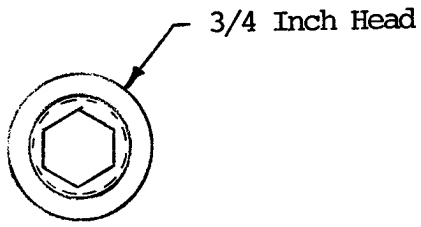
FIGURE 6

HEAD ACCELEROMETER MOUNT INSTALLED

Scale: 1 inch = 1 inch

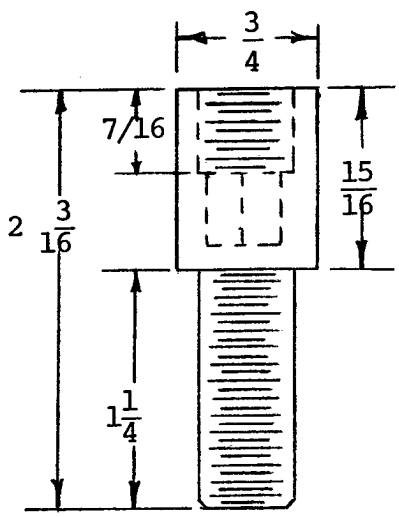
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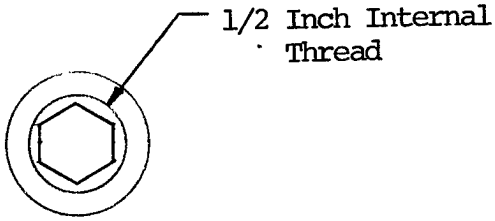




1/2 Inch Allen Bolt

(Secures Accelerometer Mount to Neck Bolt)





1/2 Inch Allen Bolt

(Secures Head to Neck)

Neck Bolt

FIGURE 7

ACCELEROMETER MOUNT INSTALLATION BOLTS

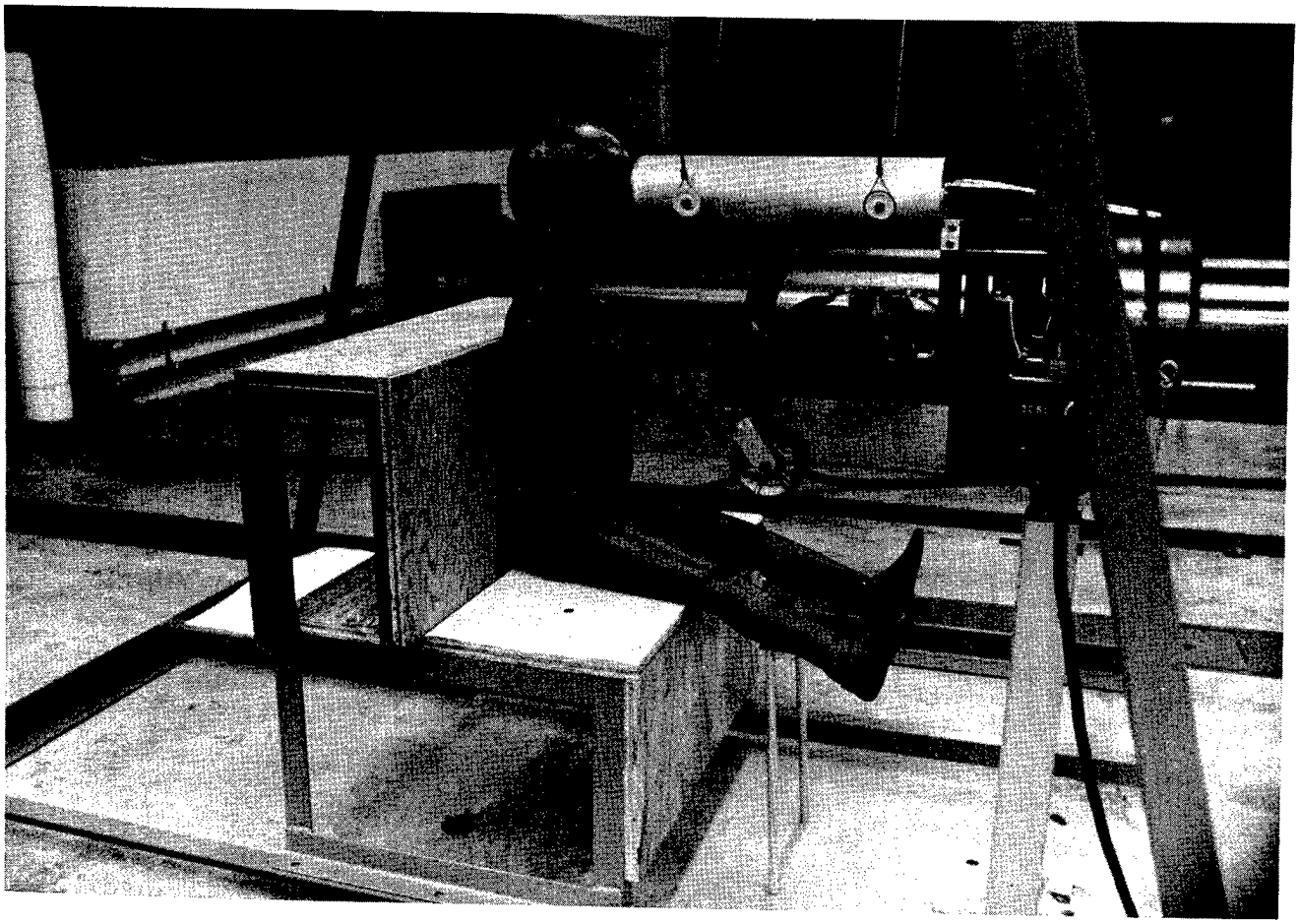


FIGURE 8

Typical Head Impact Test Setup

2.2 Part II - Chest Impact Tests

2.2.1 Test Procedure

The three-year-old dummy was positioned in an upright sitting position, not supported with a backstop (Figures 9 and 10). The chest impact points were 10 3/4 and 11 1/4 inches below the top of the head and in the midsaggital plane. With the test probe in the free hanging position, the dummy was tilted forward until the impact point just touched the center of the test probe. In this position the surface of the dummy's chest was paralled to the front face of the test probe. The dummy's arms and legs were extended straight out for these tests. The impact velocity of the test probe was adjusted to a nominal 10 feet per second.

2.2.2 Test Equipment

Triaxial Accelerometer, Model 7267C, Endevco Corp.

Accelerometer, Model 7232C, Endevco Corp.

Computer, Model 620-L-103, Varian Instrument

Oscillograph, Model 1858, Honeywell Corp.

Light Trap, Model 32-37-15, Bausch & Lomb

Scale: 0.125 inch = 1 inch

Dimensions are in inches

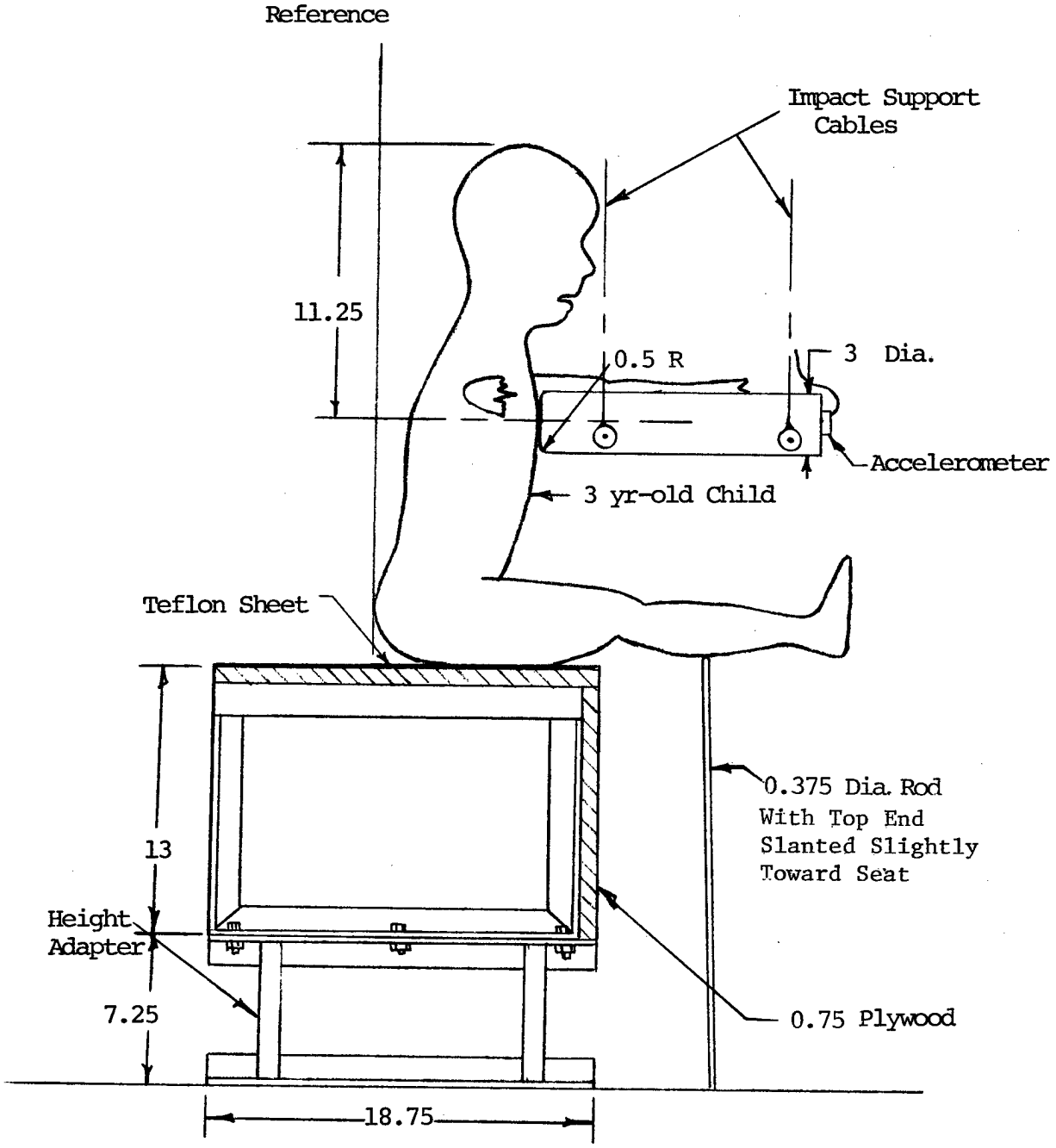


FIGURE 9

CHEST IMPACT TEST CONFIGURATION

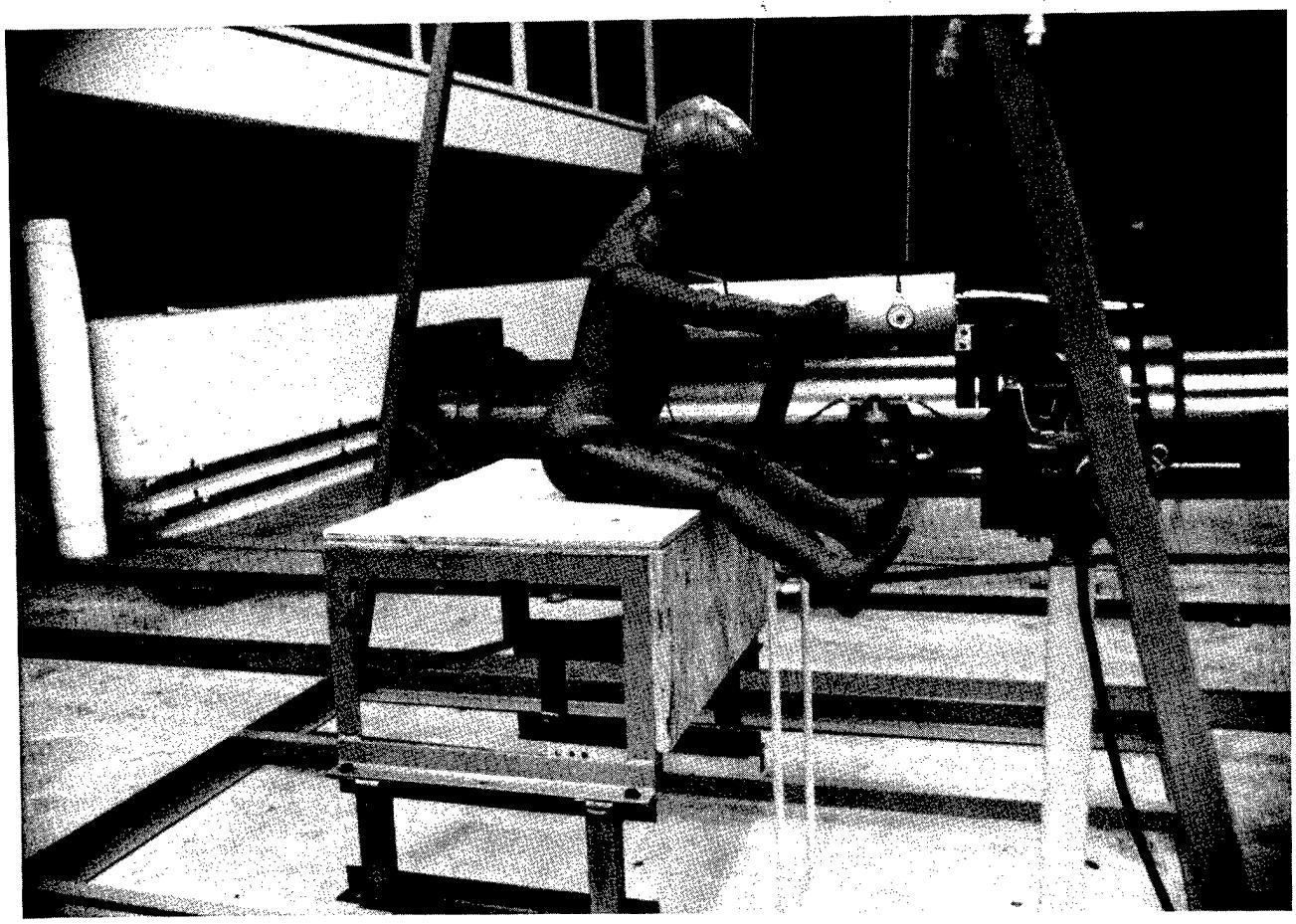


FIGURE 10
Typical Chest Impact Test Setup

2.3 Part III - Head-Neck Pendulum Impact

2.3.1 Test Procedure

The head and neck of the three-year-old dummy was mounted on the Part 572 Head-Neck Pendulum in a manner similar to that used for an adult dummy (Figures 11 and 12). A special attachment plate was required for the smaller head (Figure 11). The pendulum impacted the 4x4x6 inch aluminum Honeycomb with a velocity of 17.25 to 17.5 feet per second. High speed film of the impact was taken and analyzed for chordal displacement of the neck.

2.3.2 Test Equipment

Triaxial Accelerometer, Model 7267C, Endevco Corp.

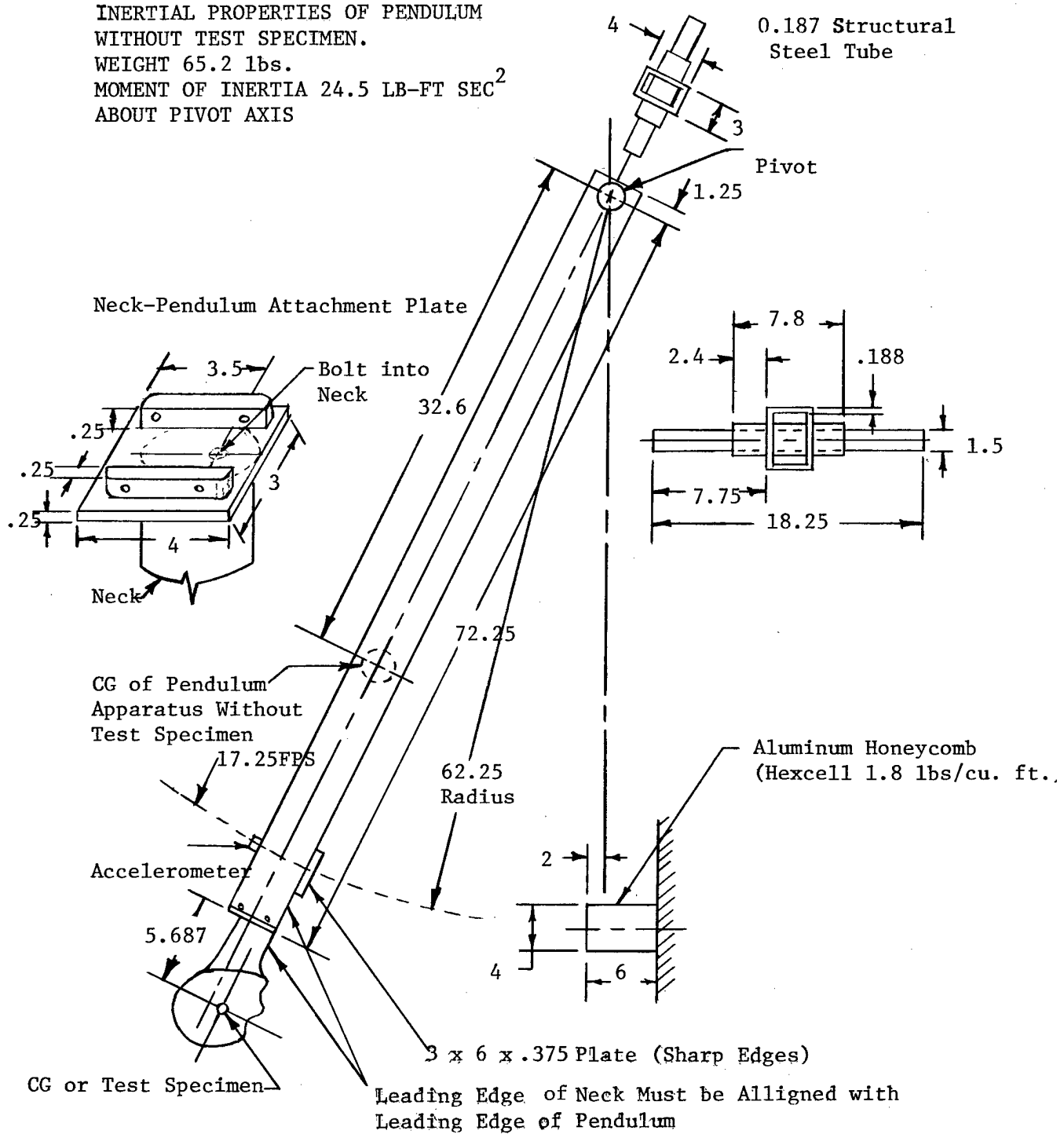
Accelerometer, Model 7232C, Endevco Corp.

Camera, Model 41-0004, Hycam 400, Red Lake Labs.

Computer, Model 620-L-103, Varian Instruments

Oscillograph, Model 1858, Honeywell Corporation

Light Trap, Model 32-37-15, Bausch & Lomb



Dimensions are in inches

FIGURE 11

Head-Neck Pendulum Test Fixture

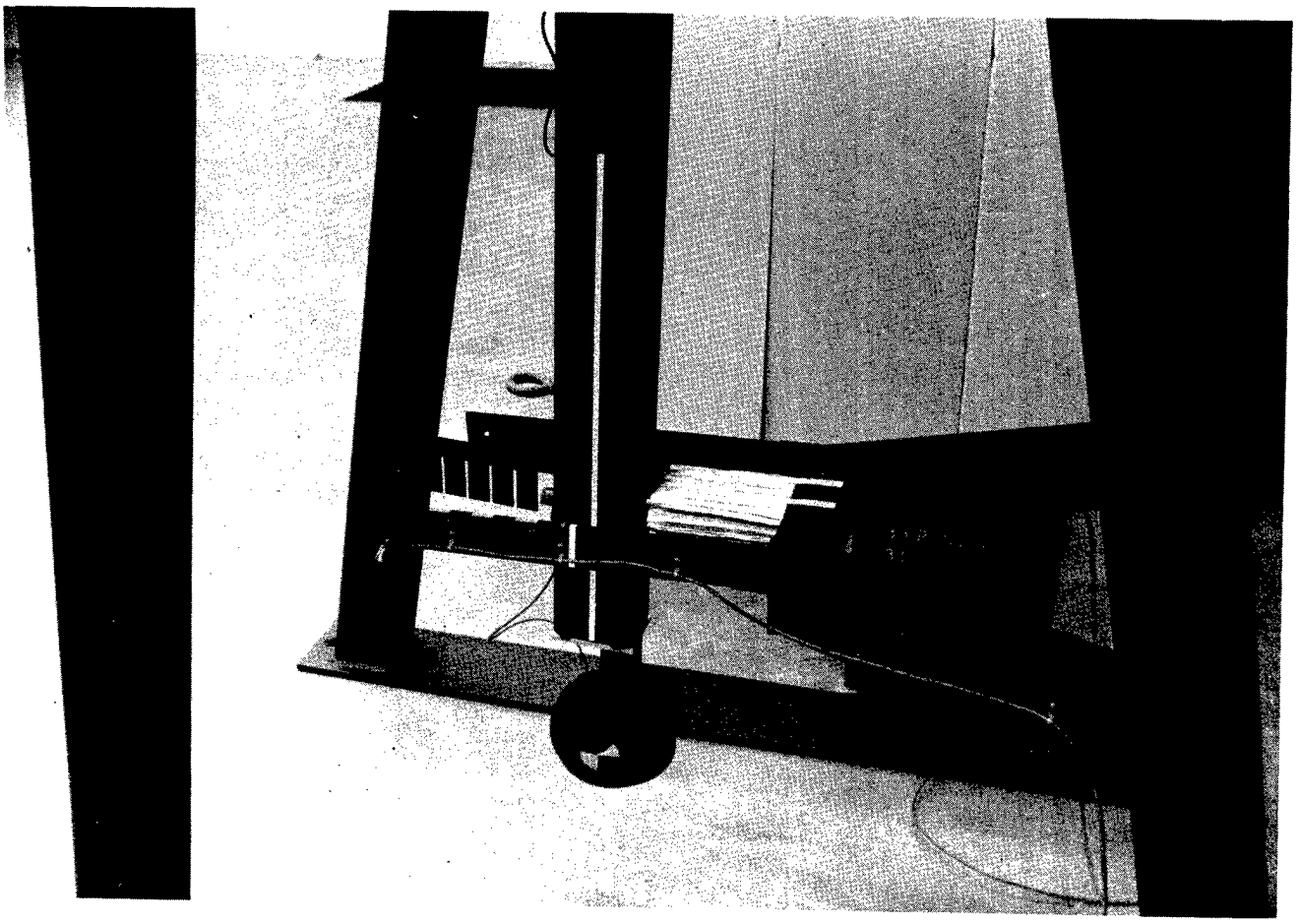


FIGURE 12

Typical Head-Neck Pendulum Impact

2.4 Part IV - Lumbar Spine Flexion Tests

2.4.1 Test Procedure

The three-year-old dummy was positioned in an upright position with the head, neck, arms and lower legs removed (Figures 13 and 14). The pelvis and upper legs were firmly attached to the test table. The force required to maintain a deflection rate of 0.5 to 1.5 degrees per second was applied to the thorax cavity in the forward direction. Both force and deflection were measured throughout the test. At maximum deflection, the dummy was released to determine if the lumbar spine would return to the initial position.

2.4.2 Test Equipment

Force Gauge, Model DPPH-50, Chatillon

Stop Clock, Model SC-100, Industrial Timer Corp.

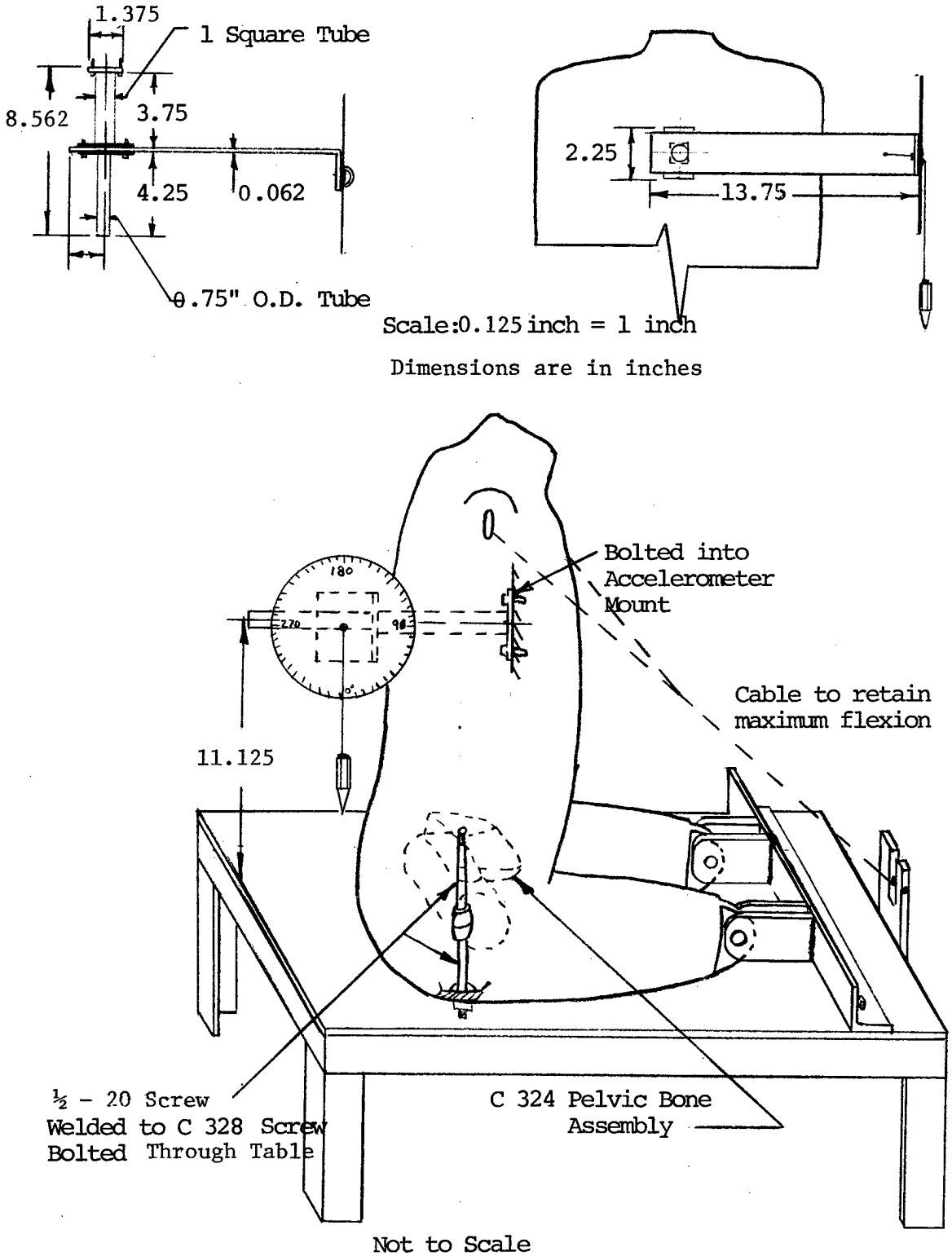


FIGURE 13

LUMBAR SPINE TEST CONFIGURATION

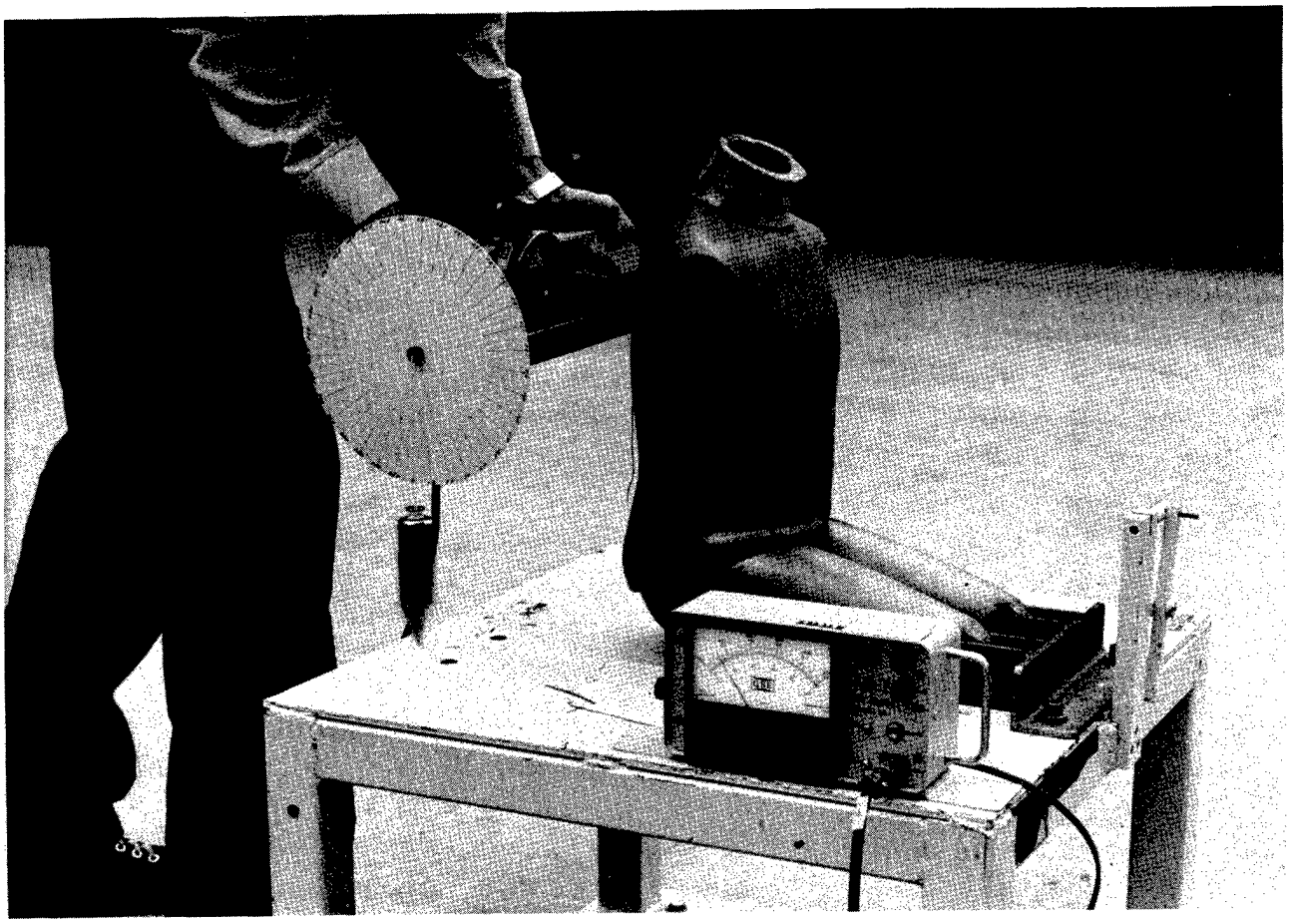


FIGURE 14

Typical Lumbar Spine Flexion Test Setup

3. TEST RESULTS

3.1 Part I - Head Impact Tests

The data from the head impact tests are summarized in Table 1. The computer data are shown in Figures A through L in the Appendix. The resultant peak g's from all four dummies ranged from 95.5 to 106.0 g's with an average of 101.4 g's.

All the head impact tests were performed using the new head accelerometer mount. Dummy No. 32 consistently gave the lowest average acceleration, while dummy No. 31 consistently gave the highest average acceleration. Dummies No. 31 and 32 are older than dummies No. 38 and 39 and this could account for the difference.

TABLE No. 1

HEAD IMPACT SUMMARY

Dummy No.	Time That Resultant Acceleration was above 50 g's (m.s.)	Resultant Acceleration (Peak) 1st Peak (g's)	Resultant Acceleration (Peak) 2nd Peak (g's)
31	2.500	105.8	45.4
31	2.375	106.0	44.7
31	2.500	105.9	45.0
32	2.500	95.9	36.2
32	2.500	95.5	37.2
32	2.500	96.0	38.5
38	2.500	100.5	41.1
38	2.625	100.8	41.9
38	2.625	101.1	41.1
39	2.375	103.6	35.0
39	2.375	103.6	34.1
39	2.375	102.6	35.2

3.2 Part II - Chest Impact Tests

The data from the chest impact tests are summarized in Table 2. The data sheets are given in Figures M through AN in the Appendix. The resultant peak acceleration from all four dummies ranged from 47.6 g's to 78.3 g's with an average of 55.95 g's. The time that the resultant peak was above 30 g's ranged from 1.500 ms to 2.625 ms with an average of 2.135 ms for all four dummies.

The test was set up so that the center of the test probe impacted the chest test point first. Any variation in impact point or impact angle caused variation in the data.

TABLE 2

CHEST IMPACT SUMMARY

Dummy No.	Top of Head to Impact Point (ins)	Time That Resultant Acceleration was above 30 g's(m.s.)*	Resultant Acceleration (Peak) 1st Peak (g's)	2nd Peak (g's)
31	10 3/4	-	50.6	-
31	10 3/4	-	49.3	-
31	10 3/4	-	54.9	-
Average			51.6	
31	11 1/4	2.0	51.3	-
31	11 1/4	2.125	48.0	19.7
31	11 1/4	2.125	54.1	22.3
Average		2.08	51.13	
32	10 3/4	1.5	78.3	20.4
32	10 3/4	1.25	73.9	18.7
32	10 3/4	1.25	53.4	8.0
32	10 3/4	1.25	50.0	7.8
32	10 3/4	1.625	74.3	7.2
32	10 3/4	1.5	48.0	7.4
32	10 3/4	1.75	46.3	7.8
Average		1.45	60.6	
32	11 1/4	2.625	52.0	17.3
32	11 1/4	2.50	53.8	18.5
32	11 1/4	2.125	47.6	10.3
Average		2.62	51.13	
38	11 1/4	2.25	60.5	16
38	11 1/4	2.375	58.5	13
38	11 1/4	2.375	59.9	17
38	11 1/4	3.625	77.2	35.7
38	11 1/4	2.375	66.3	27.8
38	11 1/4	2.25	73.5	31.3
Average		2.54	65.98	
39	11 1/4	2.5	60.3	26
39	11 1/4	2.25	48.0	13
39	11 1/4	2.625	57.0	22
39	11 1/4	2.375	56.0	22.8
39	11 1/4	2.375	56.0	22.8
39	11 1/4	2.375	54.5	20.8
Average		2.42	55.3	

* Time does not include 2nd peak

3.3 Part III - Head/Neck Pendulum Impact Tests

The chordal displacement data are summarized in Tables 3 and 4. The data sheets are given in Figures AO through BB in the appendix. Dummies No. 31 and 32 were tested with the original manufacturers accelerometer mount, and dummies No. 38 and 39 with the new accelerometer mount bolted to the neck and torqued to 10 ft-lbs.

The maximum angle of rotation for dummies No. 31 and 32 ranged from 77° to 83°. The maximum angle of rotation for dummies No. 38 and 39 ranged from 77° to 88.5^{o}.

From the acceleration-time pulse of the pendulum, the following time information is given:

The T2-T1 time ranged from 1.500 ms to 2.250 ms for all four dummies.

The T3-T2 time ranged from 18.750 ms to 20.125 ms for all four dummies.

The T4-T3 time ranged from 1.750 ms to 3.875 ms.

Figure 15 shows a typical acceleration-time pulse with T1, T2, T3 and T4 marked.

TABLE 3

HEAD/NECK PENDULUM IMPACT TESTS

Dummy No.	Run No.	Resultant Acceleration (peak g's)	T2-T1 (m.s.)	T3-T2 (m.s.)	T4-T3 (m.s.)	Ave. Accel. T2-T3 (g's)
31	1	29.4	1.500	19.500	1.750	26.600
31	2	29.2	1.500	19.250	2.250	25.900
31	3	29.4	1.500	19.500	2.500	26.100
32	1	28.6	1.500	19.750	2.500	26.000
32	2	30.2	1.500	19.250	2.000	26.400
32	3	29.7	1.500	19.000	2.000	26.400
38	1	26.3	1.625	19.000	1.625	26.641
38	2	25.6	2.250	18.750	2.125	25.971
38	3	25.5	1.750	19.000	1.750	26.287
38	4	26.7	1.625	19.000	1.625	27.161
39	1	25.5	1.625	19.000	1.875	26.864
39	2	25.2	1.625	20.125	3.875	24.747
39	3	25.3	1.625	19.625	3.625	25.259
39	4	25.8	1.500	19.250	1.875	25.987

TABLE 4

HEAD/NECK PENDULUM CHORDAL DISPLACEMENT

Dummy No.	Run No.	Rotation (degrees)	Time (m.s.)	Displacement (ins)
31	1	0	0	0
		30.0	21	1.98
		60.0	36	4.06
		80.5	59	5.19
		60.0	80	4.34
		30	101	2.12
		0	118	0.27
31	2	0	0	0
		30.0	23	2.55
		60.0	38	4.46
		79.0	64	5.51
		60.0	87	4.19
		30.0	103	2.48
		0	121	0.17
31	3	0	0	0
		30.0	23	2.25
		60.0	38	4.26
		77.0	62	5.69
		60.0	91	4.26
		30.0	109	2.25
		0	0	0
32	1	0	0	0
		30.0	19	1.87
		60.0	34	3.90
		83.0	58	5.34
		60.0	85	4.04
		30.0	102	2.14
		0	117	0.09
32	2	0	0	0
		30.0	20	1.81
		60.0	34	3.74
		80.0	58	5.28
		60.0	87	4.19
		30.0	107	2.14
		0	128	0.08

TABLE 4 - continued

HEAD/NECK PENDULUM CHORDAL DISPLACEMENT

Dummy No.	Run No.	Rotation (degrees)	Time (m.s.)	Displacement (ins.)
32	3	0	0	0
		30.0	21	1.93
		60.0	38	4.13
		79.5	64	5.29
		60.0	87	4.13
		30.0	109	1.57
		0	121	0.18
38	1	0	0	0
		30.0	22	2.08
		60.0	37	4.20
		81.0	66	5.59
		60.0	92	4.33
		30.0	111	2.16
		0	126	0.07
38	2	0	0	0
		30.0	21	2.05
		60.0	38	4.55
		85.0	67	5.90
		60.0	96	4.31
		30.0	113	2.33
		0	127	0.20
38	3	0	0	0
		30.0	21	2.29
		60.0	36	4.41
		88.0	66	6.01
		60.0	95	4.47
		30.0	114	2.10
		0	127	0.13
38	4	0	0	0
		30.0	22	2.18
		60.0	36	4.22
		85.0	65	5.94
		60.0	97	4.45
		30.0	115	2.30
		0	131	0.06

TABLE 4 - continued

HEAD-NECK PENDULUM CHORDAL DISPLACEMENT

Dummy No.	Run No.	Rotation (degrees)	Time (m.s.)	Displacement (ins.)
39	1	0	0	0
		30.0	21	2.02
		60.0	36	4.21
		82.5	63	5.76
		60.0	95	4.34
		30.0	115	1.90
		0	128	0.13
39	2	0	0	0
		30.0	22	2.08
		60.0	37	4.34
		85.0	65	5.71
		60.0	92	4.23
		30.0	111	1.83
		0	124	0.08
39	3	0	0	0
		30.0	22	2.32
		60.0	36	4.30
		88.5	64	5.95
		60.0	95	4.35
		30.0	112	2.40
		0	128	0.14
39	4	0	0	0
		30.0	22	2.36
		60.0	36	4.32
		86.5	64	5.77
		60.0	96	4.07
		30.0	111	2.34
		0	127	0.14

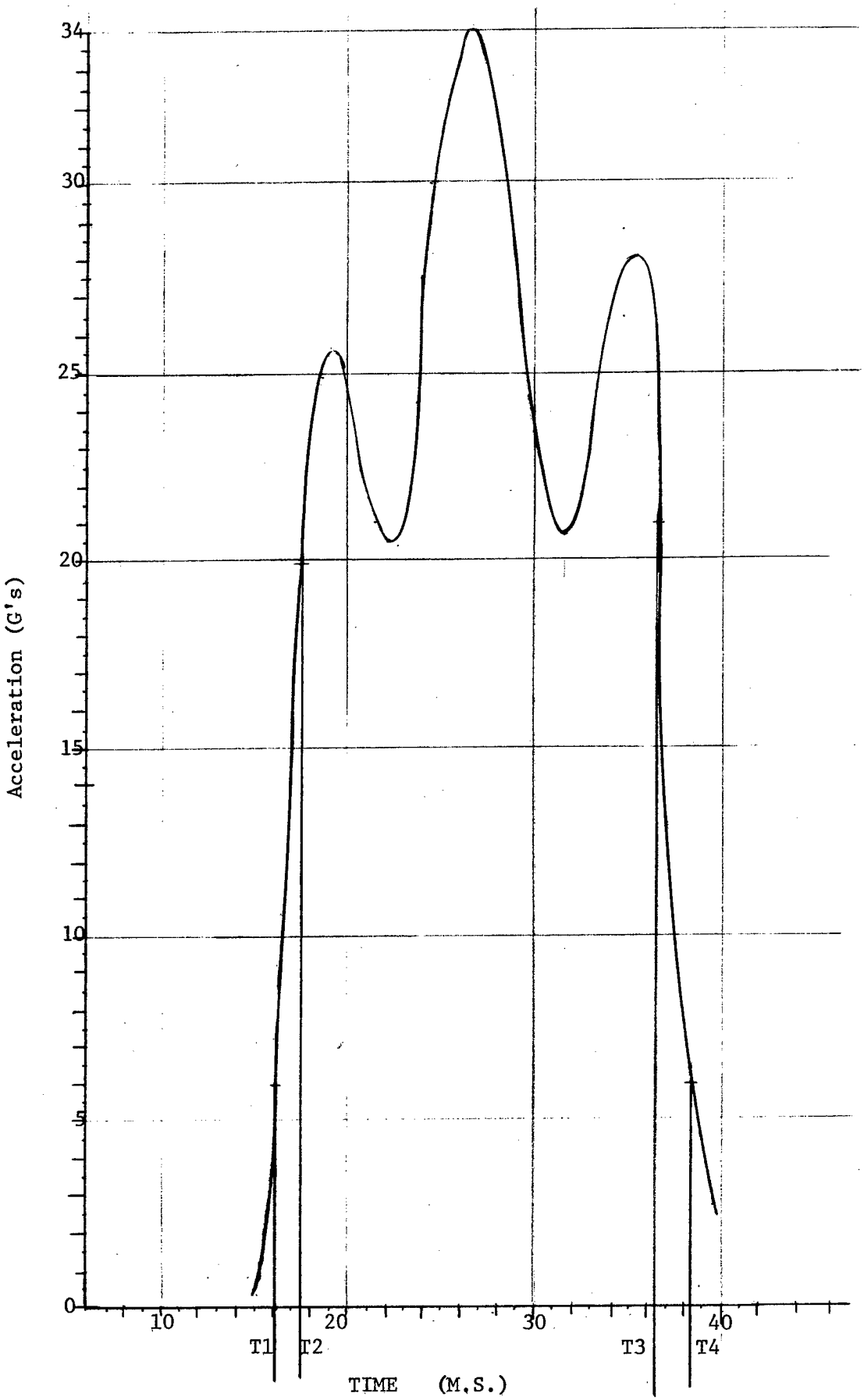


FIGURE 15

Typical Head/Neck Pendulum Acceleration-Time Pulse

3.4 Part IV - Lumbar Spine Flexion Tests

The lumbar spine deflection data are presented in Table 5. Dummies No. 31 and 32 were flexed to only 40° which required between 57 and 62 pounds force. Dummies No. 38 and 39 were flexed to 50° which required between 79 and 86 pounds.

Based on the data from Table 5 at a deflection of 40°, dummies No. 38 and 39 appear to be stiffer, requiring a higher force to reach the 40° mark.

TABLE 5

LUMBAR SPINE FLEXION TESTS

Dummy No.	Deflection (degrees)	Run # 1 (pounds)	Run # 2 (pounds)	Run # 3 (pounds)
31	0	0	0	0
	20	44	43	46
	30	50	56	55
	40	62	60	64
		Return to zero degrees		
32	0	0	0	0
	20	46	47	46
	30	52	55	51
	40	60	60	57
		Return to zero degrees		
38	0	0	0	0
	20	56	51	55
	30	67	64	67
	40	75	70	73
	50	79	86	84
		Return to zero degrees		
39	0	0	0	0
	20	70	63	70
	30	78	72	78
	40	83	76	82
	50	83	83	83
		Return to zero degrees		

4. CONCLUSIONS

Based on the data obtained in this test program, it is concluded that:

1. Acceleration can be used to measure the dynamic response of a three-year-old dummy.

2. The head impact tests, head-neck pendulum tests and the lumbar spine flexion tests gave repeatable data.

3. The chest impact data are inconsistent. Test setup and or test probe design appear to be extremely critical.

APPENDIX INDEX

A	Head Impact,	Dummy No. 31,	Run No. 1
B	Head Impact,	Dummy No. 31,	Run No. 2
C	Head Impact,	Dummy No. 31,	Run No. 3
D	Head Impact,	Dummy No. 32,	Run No. 1
E	Head Impact,	Dummy No. 32,	Run No. 2
F	Head Impact,	Dummy No. 32,	Run No. 3
G	Head Impact,	Dummy No. 38,	Run No. 1
H	Head Impact,	Dummy No. 38,	Run No. 2
I	Head Impact,	Dummy No. 38,	Run No. 3
J	Head Impact,	Dummy No. 39,	Run No. 1
K	Head Impact,	Dummy No. 39,	Run No. 2
L	Head Impact,	Dummy No. 39,	Run No. 3
M	Chest Impact,	Dummy No. 31,	Run No. 1
N	Chest Impact,	Dummy No. 31,	Run No. 2
O	Chest Impact,	Dummy No. 31,	Run No. 3
P	Chest Impact,	Dummy No. 31,	Run No. 4
Q	Chest Impact,	Dummy No. 31,	Run No. 5
R	Chest Impact,	Dummy No. 31,	Run No. 6
S	Chest Impact,	Dummy No. 32,	Run No. 1
T	Chest Impact,	Dummy No. 32,	Run No. 2
U	Chest Impact,	Dummy No. 32,	Run No. 3
V	Chest Impact,	Dummy No. 32,	Run No. 4
W	Chest Impact,	Dummy No. 32,	Run No. 5
X	Chest Impact,	Dummy No. 32,	Run No. 6
Y	Chest Impact,	Dummy No. 32,	Run No. 7
Z	Chest Impact,	Dummy No. 32,	Run No. 8

APPENDIX INDEX

AA Chest Impact, Dummy No. 32, Run No. 9

AB Chest Impact, Dummy No. 32, Run No. 10

AC Chest Impact, Dummy No. 38, Run No. 1

AD Chest Impact, Dummy No. 38, Run No. 2

AE Chest Impact, Dummy No. 38, Run No. 3

AF Chest Impact, Dummy No. 38, Run No. 4

AG Chest Impact, Dummy No. 38, Run No. 5

AH Chest Impact, Dummy No. 38, Run No. 6

AI Chest Impact, Dummy No. 39, Run No. 1

AJ Chest Impact, Dummy No. 39, Run No. 2

AK Chest Impact, Dummy No. 39, Run No. 3

AL Chest Impact, Dummy No. 39, Run No. 4

AM Chest Impact, Dummy No. 39, Run No. 5

AN Chest Impact, Dummy No. 39, Run No. 6

AO Head/Neck Pendulum, Dummy No. 31, Run No. 1

AP Head/Neck Pendulum, Dummy No. 31, Run No. 2

AQ Head/Neck Pendulum, Dummy No. 31, Run No. 3

AR Head/Neck Pendulum, Dummy No. 32, Run No. 1

AS Head/Neck Pendulum, Dummy No. 32, Run No. 2

AT Head/Neck Pendulum, Dummy No. 32, Run No. 3

AU Head/Neck Pendulum, Dummy No. 38, Run No. 1

AV Head/Neck Pendulum, Dummy No. 38, Run No. 2

AW Head/Neck Pendulum, Dummy No. 38, Run No. 3

AX Head/Neck Pendulum, Dummy No. 38, Run No. 4

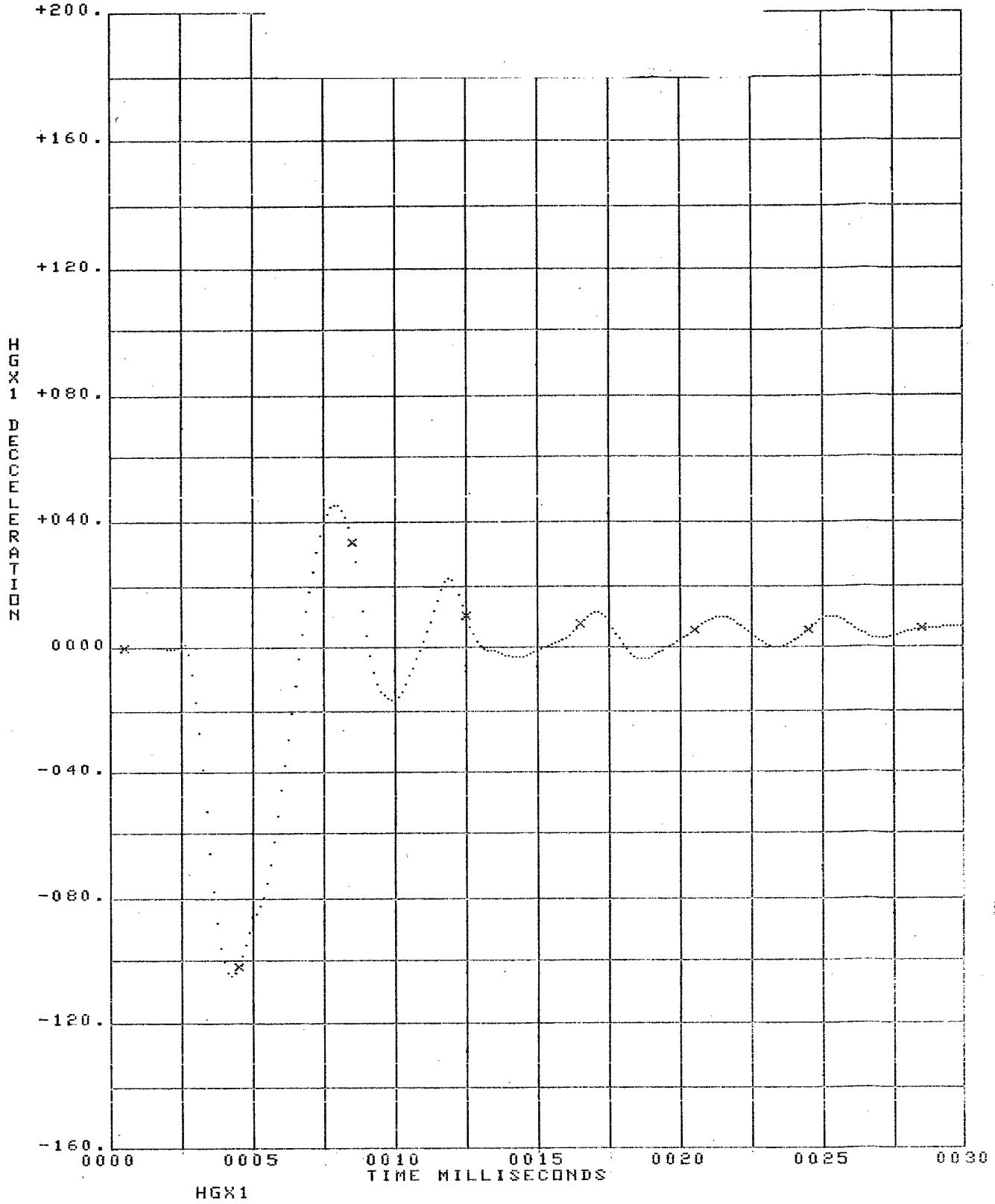
AY Head/Neck Pendulum, Dummy No. 39, Run No. 1

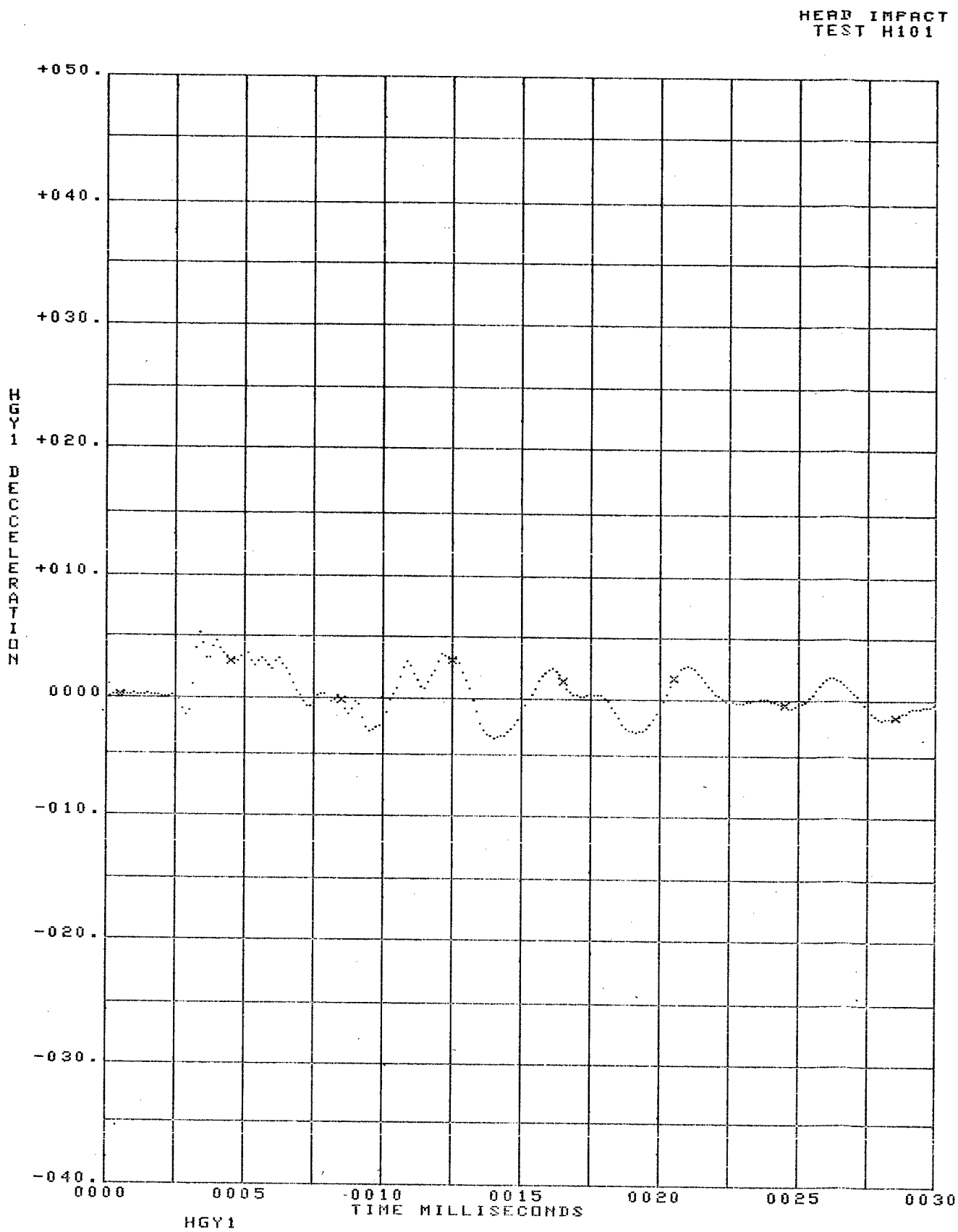
AZ Head/Neck Pendulum, Dummy No. 39, Run No. 2

BA Head/Neck Pendulum, Dummy No. 39, Run No. 3

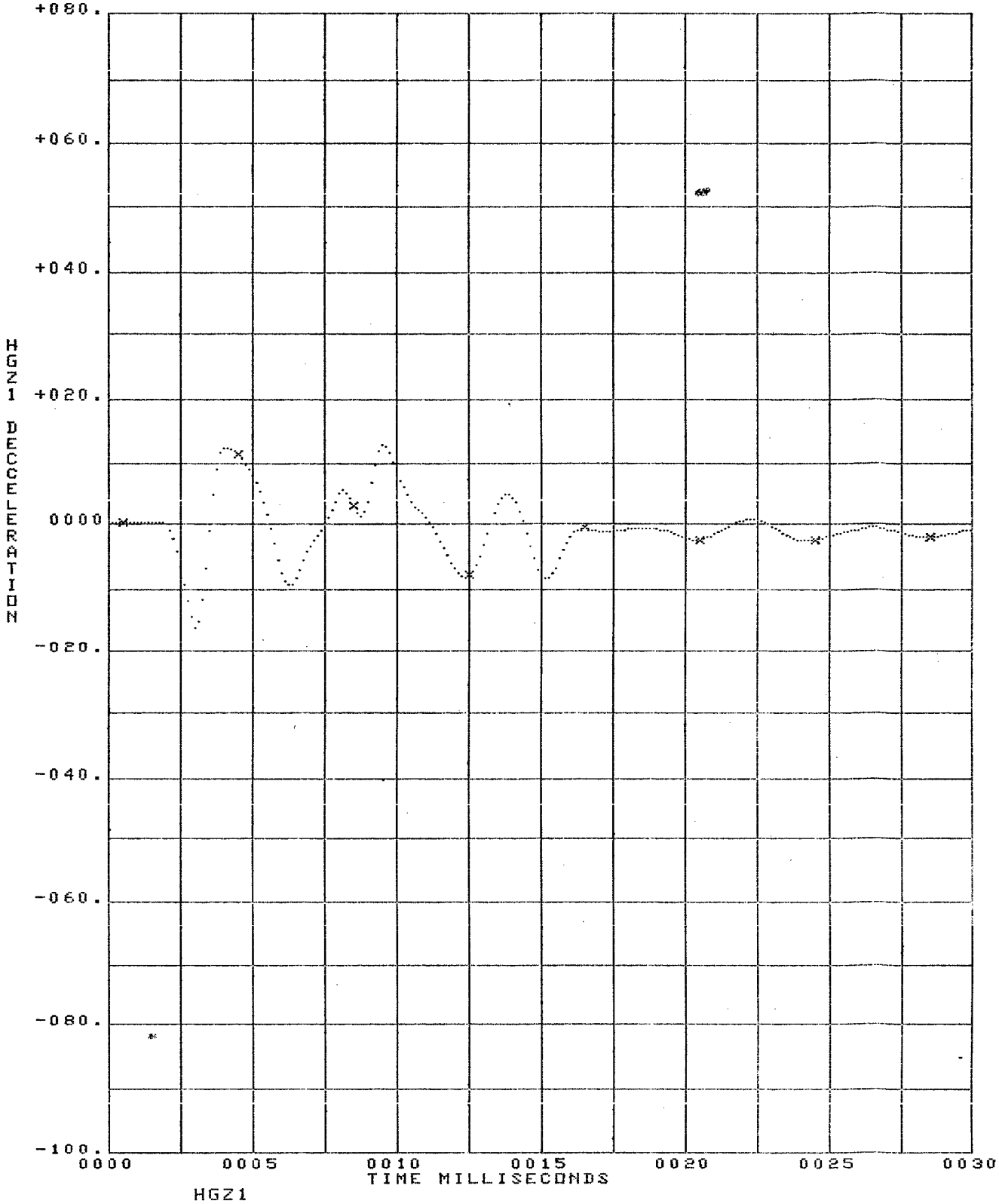
BB Head/Neck Pendulum, Dummy No. 39, Run No. 4

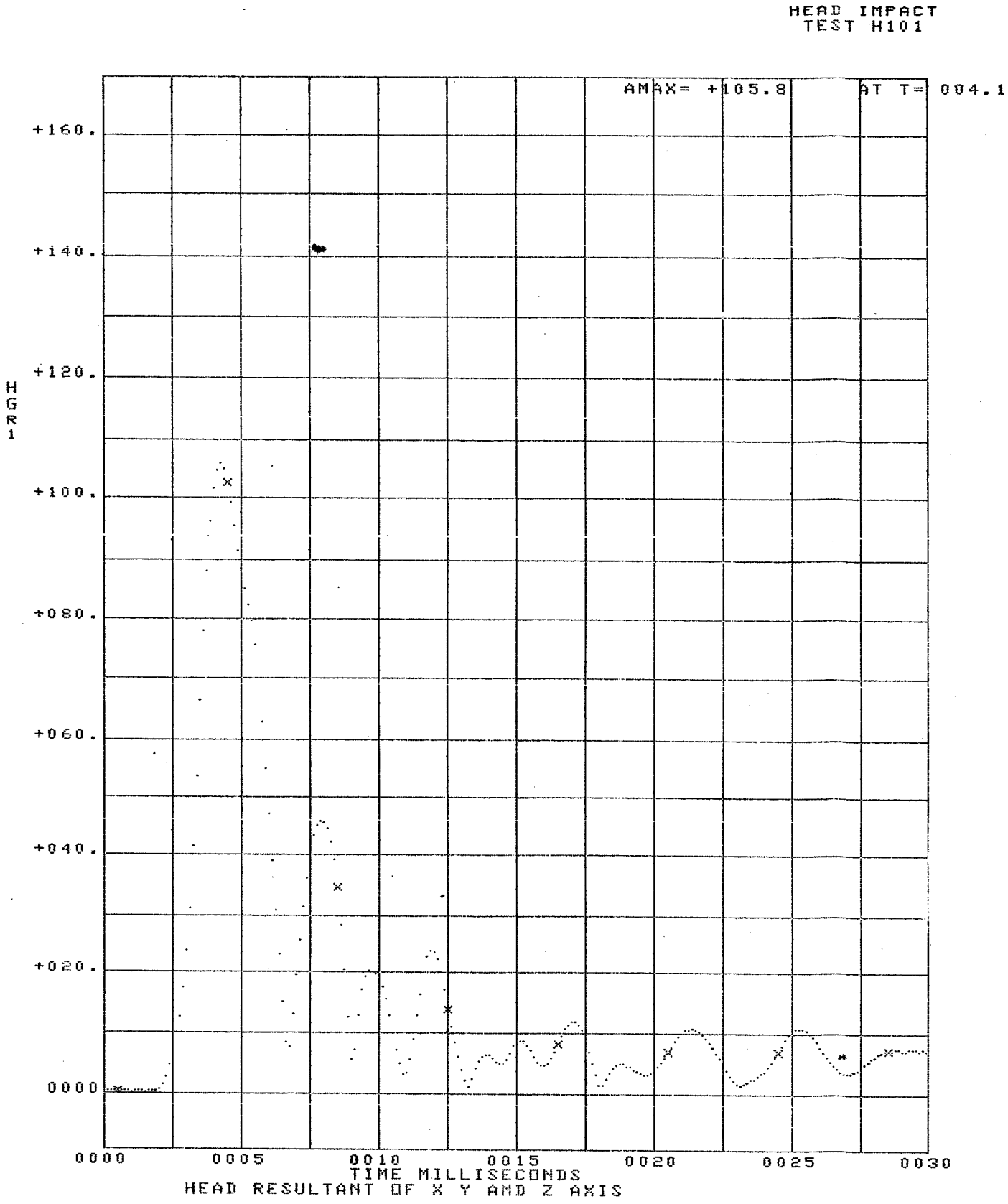
Head Impact
Dummy No. 31, Run No. 1




HEAD IMPACT
TEST H101
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1

HEAD IMPACT
TEST H101




HEAD IMPACT
TEST H101
AMAX= +105.8
AT T= 004.1
+160.
+140.
+120.
+100.
+080.
+060.
+040.
+020.
0000
HGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

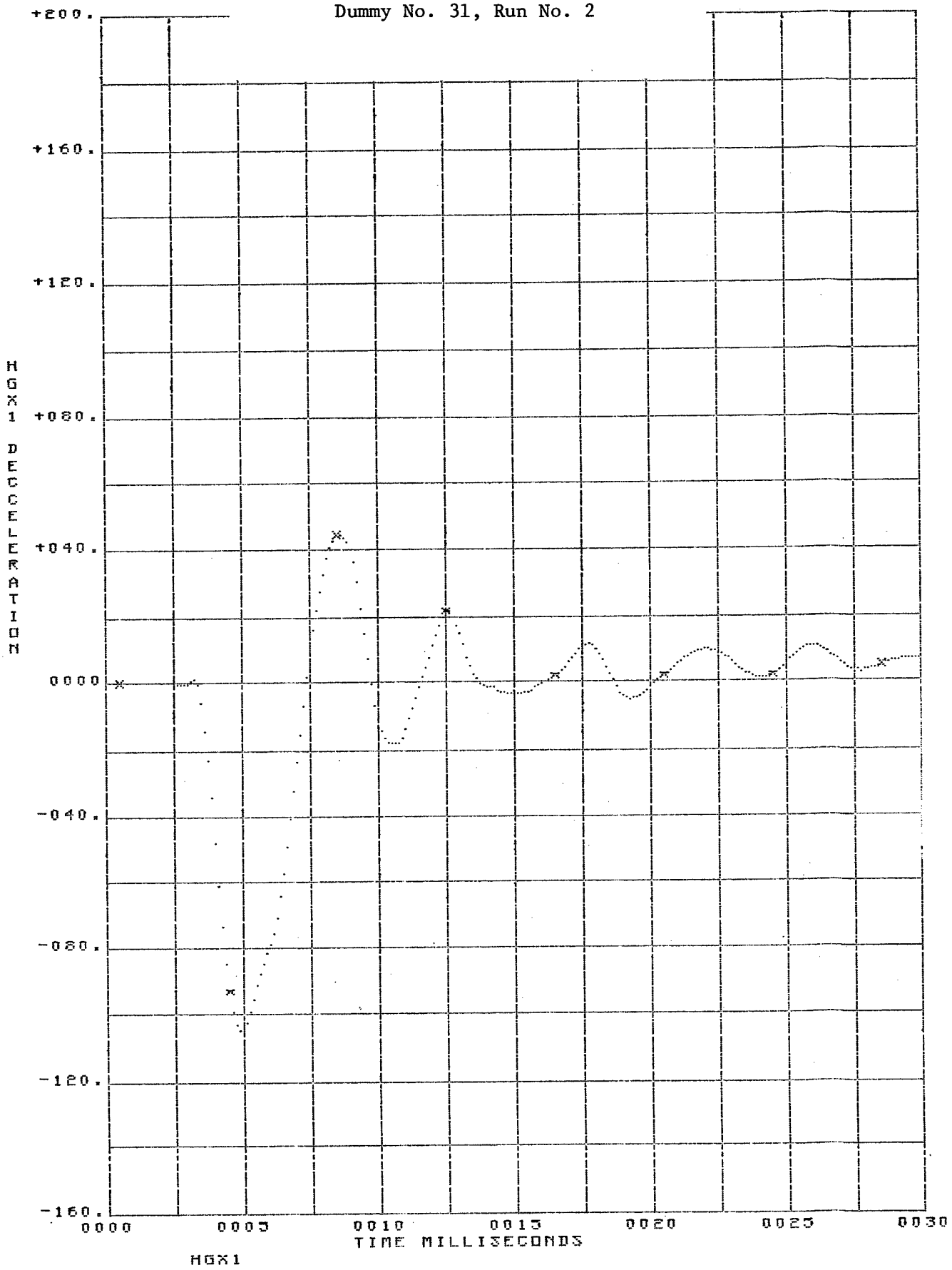
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H101

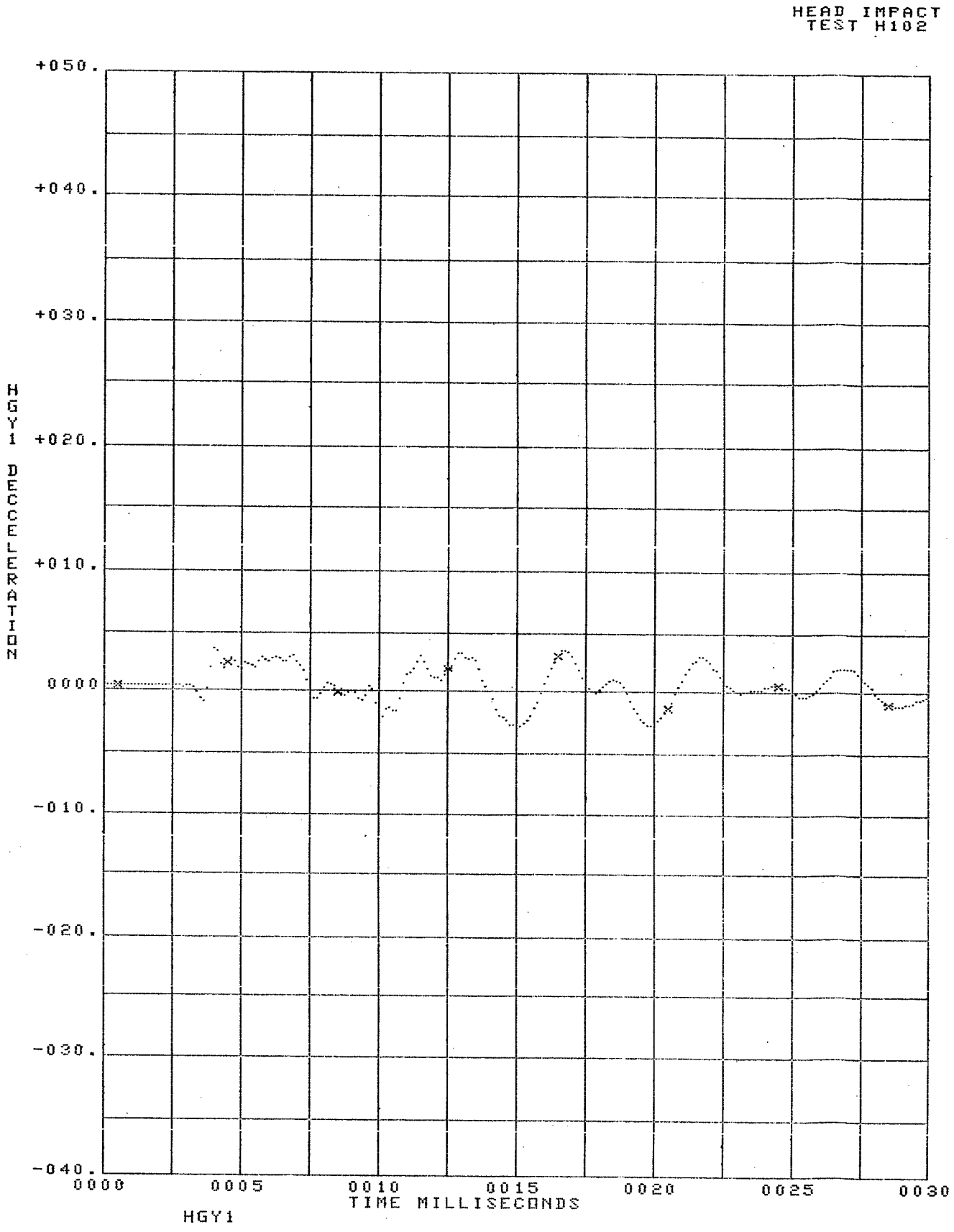
TIME					
0.0000	+000.2	+000.1	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.0	+000.1	+000.1
1.2500	+000.1	+000.0	+000.1	+000.1	+000.2
1.8750	+000.5	+001.2	+002.5	+004.4	+007.0
2.5000	+009.6	+012.1	+016.9	+023.4	+030.9
3.1250	+041.1	+053.6	+066.2	+077.7	+088.0
3.7500	+096.1	+101.6	+104.8	+105.8	+104.9
4.3750	+102.6	+099.2	+095.3	+091.3	+087.9
5.0000	+085.0	+082.4	+079.5	+075.2	+069.6
5.6250	+062.5	+054.8	+046.6	+038.6	+030.6
6.2500	+022.5	+014.7	+008.1	+007.3	+012.6
6.8750	+019.0	+025.3	+031.0	+035.8	+039.8
7.5000	+042.8	+044.6	+045.4	+045.1	+044.0
8.1250	+041.8	+038.7	+034.3	+027.9	+020.2
8.7500	+012.2	+005.5	+006.9	+012.4	+016.6
9.3750	+018.9	+019.8	+019.7	+019.3	+018.3
10.0000	+017.0	+015.0	+012.3	+009.6	+006.9
10.6250	+004.6	+003.0	+003.2	+005.5	+008.8
11.2500	+012.3	+015.9	+019.5	+022.2	+023.4
11.8750	+023.2	+021.8	+019.5	+016.7	+013.4
12.5000	+010.7	+008.1	+005.9	+003.7	+001.9
13.1250	+000.9	+002.2	+003.8	+005.1	+005.8
13.7500	+006.1	+006.1	+005.7	+005.0	+004.7
14.3750	+004.6	+005.4	+006.4	+007.5	+008.2
15.0000	+008.5	+008.3	+007.7	+006.9	+005.9
15.6250	+005.0	+004.4	+004.3	+004.8	+005.7
16.2500	+006.7	+008.0	+009.2	+010.3	+010.9
16.8750	+011.5	+011.5	+011.0	+010.1	+008.6
17.5000	+006.8	+004.8	+003.0	+001.2	+001.1
18.1250	+002.3	+003.3	+004.0	+004.5	+004.6
18.7500	+004.6	+004.3	+004.0	+003.6	+003.4
19.3750	+003.2	+002.9	+003.0	+003.2	+003.6
20.0000	+004.2	+005.0	+005.7	+006.7	+007.5
20.6250	+008.4	+009.0	+009.6	+010.1	+010.2
21.2500	+010.3	+010.2	+009.8	+009.5	+009.0
21.8750	+008.2	+007.4	+006.4	+005.6	+004.5
22.5000	+003.6	+002.7	+001.9	+001.4	+001.2
23.1250	+001.4	+001.8	+002.1	+002.3	+002.6
23.7500	+003.1	+003.5	+004.2	+005.0	+006.0
24.3750	+006.8	+007.8	+008.6	+009.3	+009.9
25.0000	+010.3	+010.4	+010.4	+010.1	+009.7
25.6250	+009.1	+008.3	+007.5	+006.7	+005.9
26.2500	+005.1	+004.5	+003.9	+003.4	+003.2
26.8750	+003.1	+003.1	+003.4	+003.8	+004.2
27.5000	+004.6	+005.1	+005.6	+006.0	+006.3
28.1250	+006.5	+006.8	+006.9	+007.0	+007.1
28.7500	+007.1	+007.0	+007.0	+007.1	+007.1
29.3750	+007.1	+007.0	+007.0	+007.0	+007.0
30.0000	+007.0	+006.9	+006.9	+006.8	+006.8
30.6250	+006.7	+006.5	+006.2	+006.0	+005.7
31.2500	+005.4	+005.1	+004.9	+004.8	+004.8
31.8750	+004.7	+004.8	+005.0	+005.1	+005.3
32.5000	+005.7	+006.0	+006.2	+006.5	+006.8
33.1250	+007.1	+007.4	+007.6	+007.8	+007.9
33.7500	+008.0	+007.9	+007.7	+007.5	+007.3
34.3750	+007.0	+006.9	+006.6	+006.3	+006.0
35.0000	+005.8	+005.6	+005.4	+005.2	+005.2
35.6250	+005.2	+005.3	+005.3	+005.4	+005.5
36.2500	+005.6	+005.8	+005.9	+006.2	+006.4
36.8750	+006.5	+006.6	+006.8	+007.0	+007.0

RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H101		
37.5000	+007.1	+007.1	+007.1	+007.1	+007.1	
38.1250	+007.1	+007.1	+006.9	+006.8	+006.6	
38.7500	+006.5	+006.3	+006.2	+006.1	+006.1	
39.3750	+006.0	+005.8	+005.7	+005.6	+005.4	
40.0000	+005.3	+005.5	+005.3	+005.4	+005.5	
40.6250	+005.5	+005.5	+005.6	+005.7	+005.7	
41.2500	+006.0	+006.0	+006.1	+006.1	+006.3	
41.8750	+006.4	+006.5	+006.3	+006.5	+006.5	
42.5000	+006.5	+006.5	+006.3	+006.3	+006.3	
43.1250	+006.0	+006.0	+005.8	+005.7	+005.5	
43.7500	+005.5	+005.4	+005.3	+005.2	+005.2	
44.3750	+005.1	+005.2	+005.2	+005.2	+005.2	
45.0000	+005.2	+005.4	+005.4	+005.4	+005.5	
45.6250	+005.5	+005.5	+005.5	+005.5	+005.5	
46.2500	+005.5	+005.5	+005.5	+005.4	+005.4	
46.8750	+005.4	+005.2	+005.2	+005.1	+005.1	
47.5000	+005.0	+005.0	+005.2	+005.1	+005.2	
48.1250	+005.2	+005.2	+005.3	+005.3	+005.4	
48.7500	+005.4	+005.5	+005.5	+005.5	+005.5	
49.3750	+005.6	+005.6	+005.6	+005.7	+005.7	
50.0000	+005.6	+005.6	+005.6	+005.7	+005.7	
50.6250	+005.7	+005.7	+005.6	+005.5	+005.5	
51.2500	+005.5	+005.5	+005.4	+005.4	+005.4	
51.8750	+005.3	+005.4	+005.3	+005.2	+005.1	
52.5000	+005.2	+005.2	+005.2	+005.2	+005.2	
53.1250	+005.2	+005.3	+005.3	+005.3	+005.3	
53.7500	+005.3	+005.4	+005.3	+005.3	+005.1	
54.3750	+005.0	+004.8	+004.5	+004.3	+004.0	
55.0000	+003.6	+003.4	+003.2	+003.0	+002.7	
55.6250	+002.6	+002.4	+002.3	+002.0	+001.8	
56.2500	+001.7	+001.5	+001.2	+001.1	+000.9	
56.8750	+000.7	+000.5	+000.7	+000.9	+001.1	
57.5000	+001.4	+001.8	+002.1	+002.5	+002.9	
58.1250	+003.2	+003.4	+003.7	+004.0	+004.2	
58.7500	+004.3	+004.5	+004.7	+005.0	+005.2	
59.3750	+005.4	+005.7	+005.8	+006.0	+000.0	

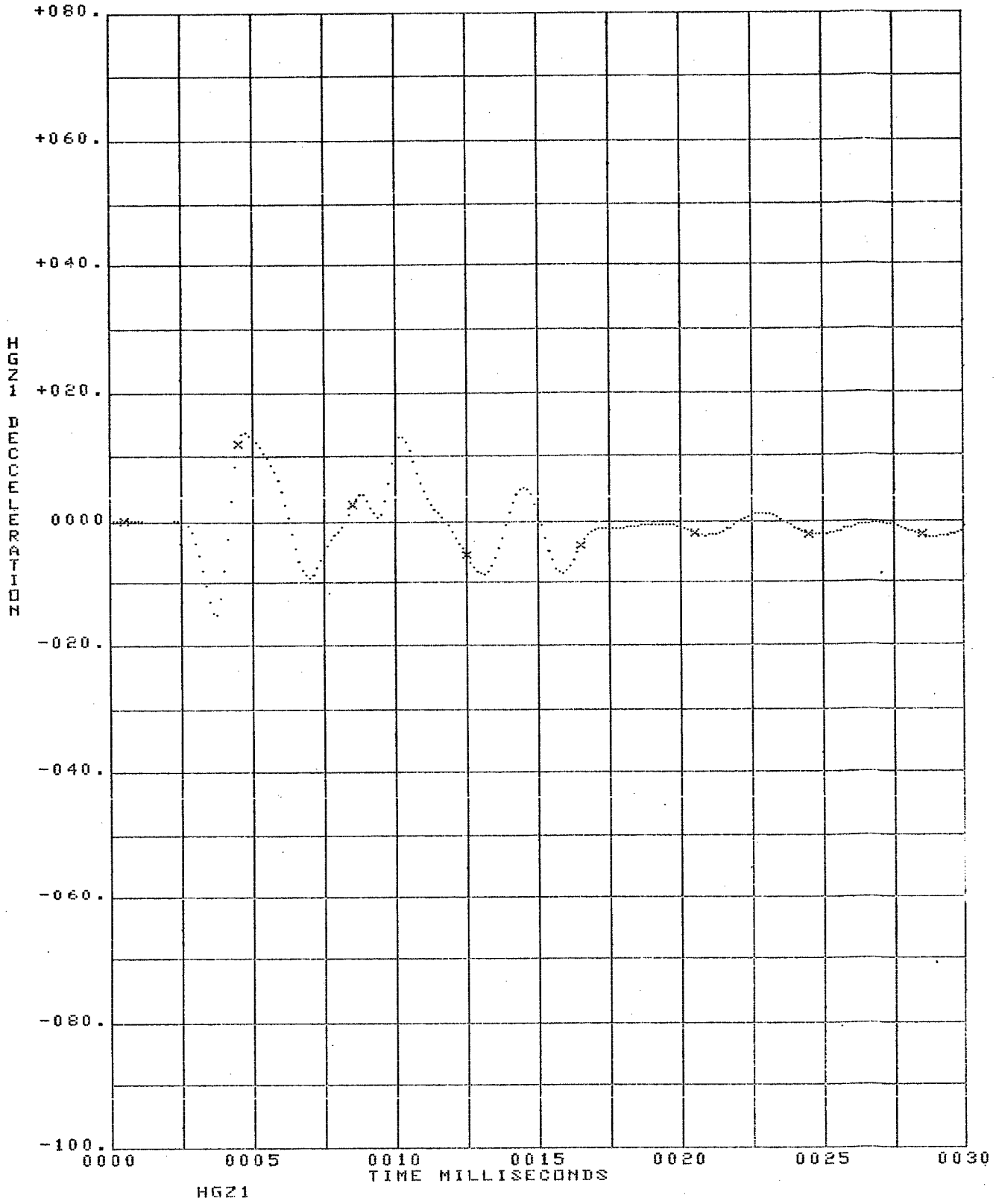
AMAX= +105.8 AT T=004.1

Head Impact
Dummy No. 31, Run No. 2

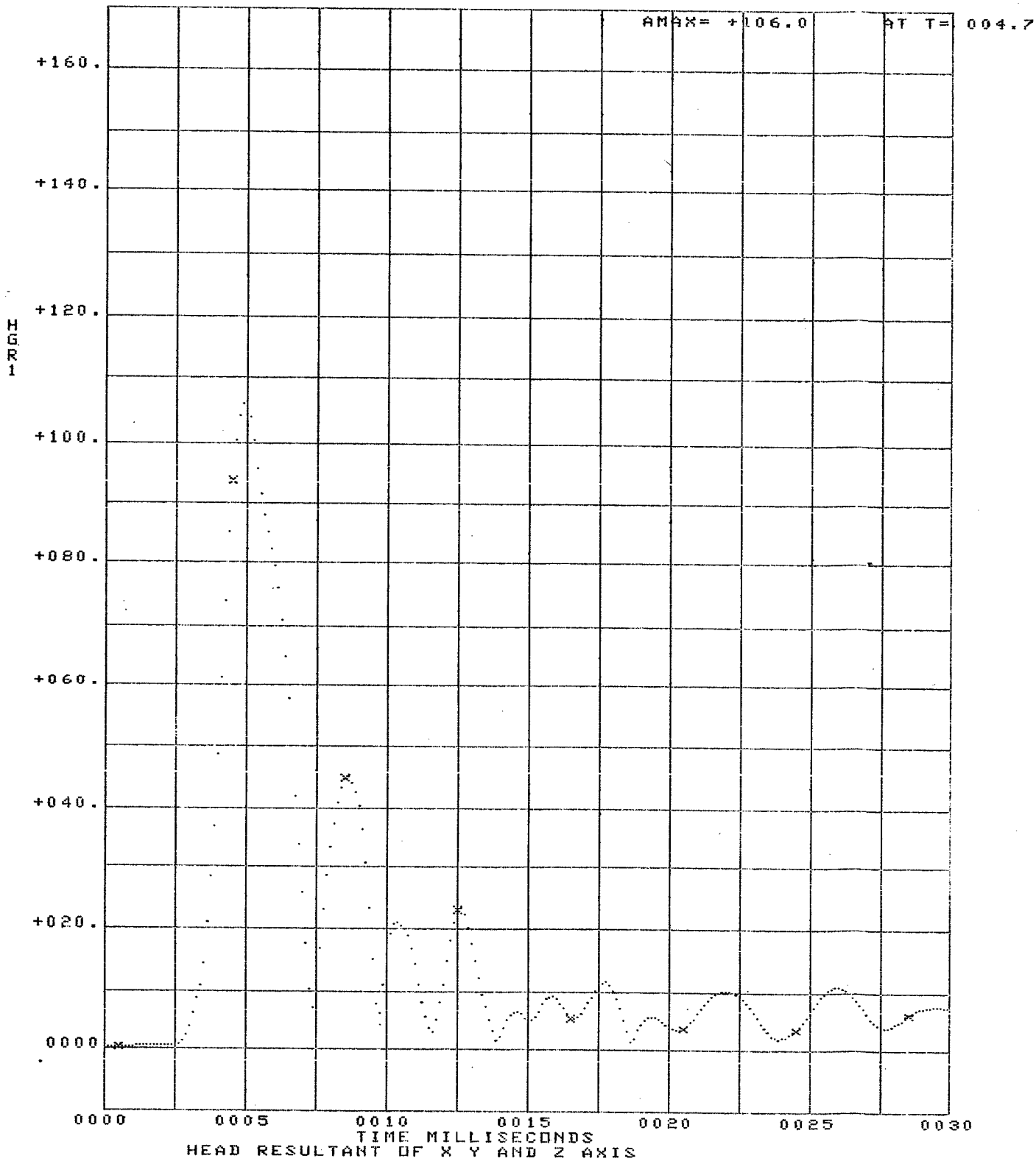



HEAD IMPACT
TEST H102
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1

HEAD IMPACT
TEST H102



HEAD IMPACT
TEST H102

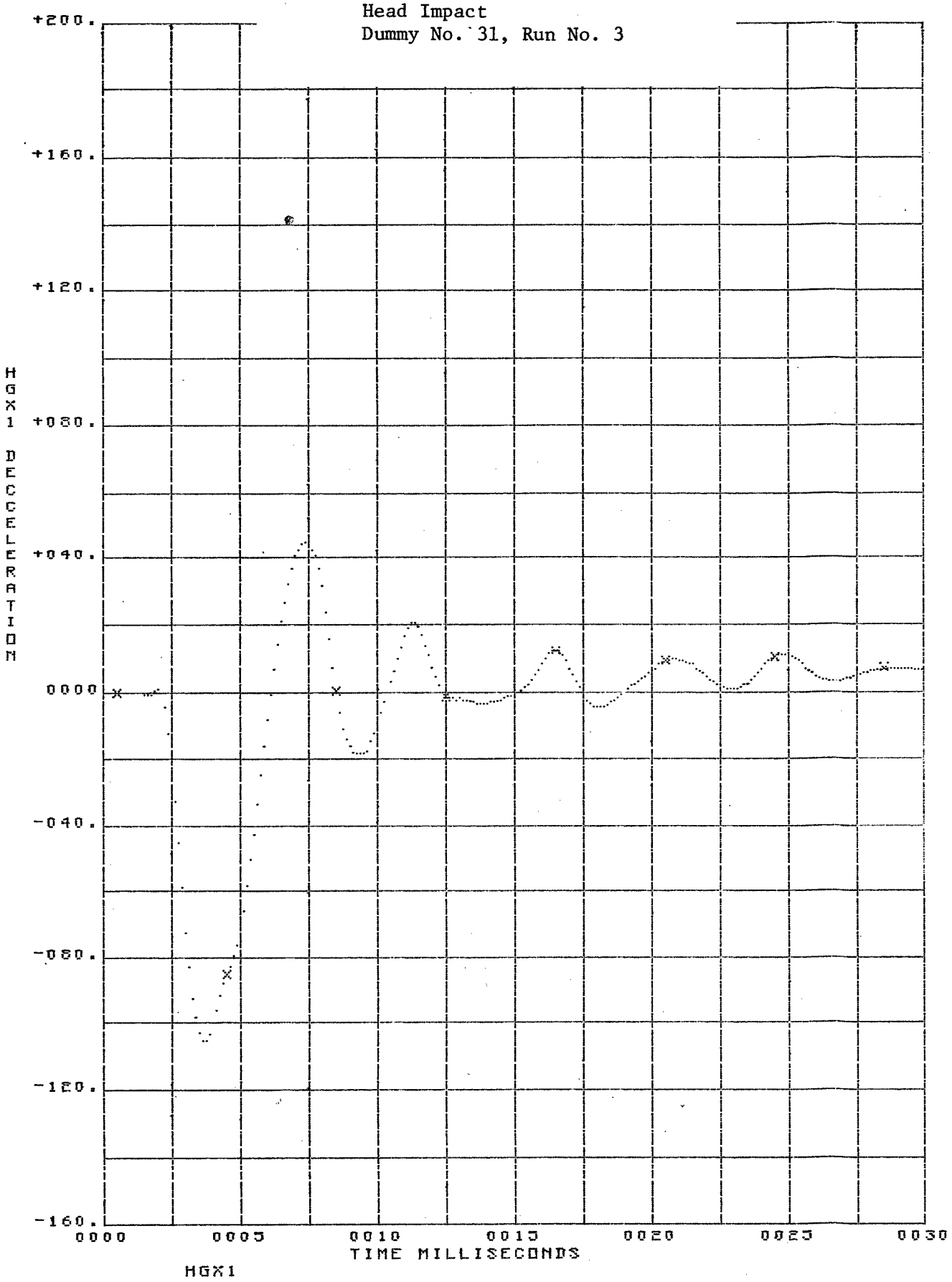


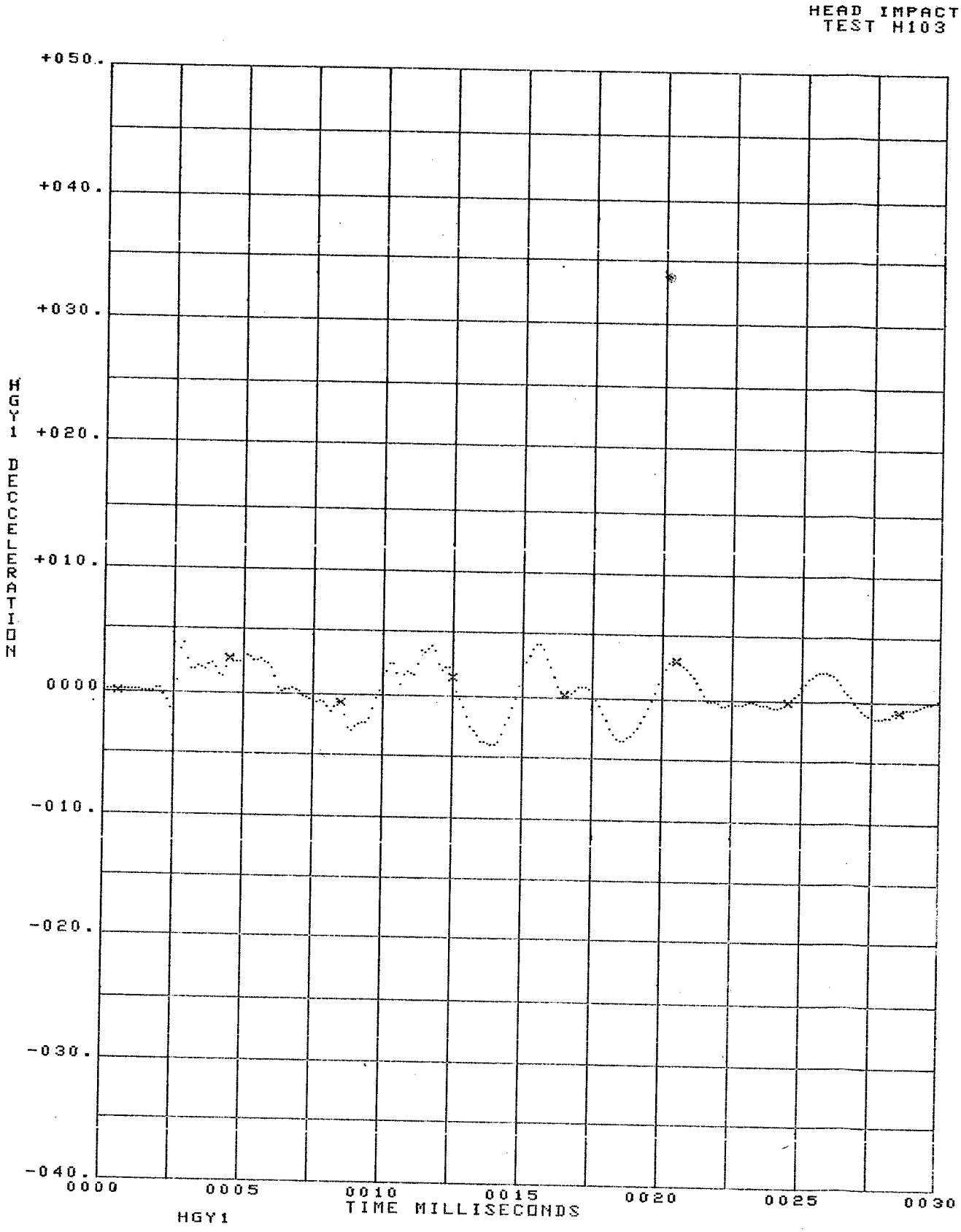
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H102

TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.1	+000.2
1.2500	+000.2	+000.2	+000.2	+000.2	+000.2
1.8750	+000.2	+000.1	+000.1	+000.1	+000.2
2.5000	+000.3	+000.8	+001.9	+003.4	+005.7
3.1250	+008.4	+010.6	+014.2	+020.5	+027.8
3.7500	+036.6	+048.3	+061.1	+073.6	+084.8
4.3750	+094.1	+100.4	+104.2	+106.0	+106.0
5.0000	+103.8	+100.4	+095.9	+091.5	+087.8
5.6250	+084.8	+082.1	+079.2	+075.6	+070.8
6.2500	+064.6	+057.4	+049.5	+041.6	+033.3
6.8750	+025.2	+017.3	+010.2	+006.6	+010.4
7.5000	+016.6	+022.6	+028.1	+032.8	+037.0
8.1250	+040.4	+043.1	+044.6	+044.7	+043.9
8.7500	+042.3	+039.9	+036.1	+030.3	+022.9
9.3750	+014.9	+007.4	+005.7	+011.0	+015.8
10.0000	+019.0	+020.4	+020.6	+020.2	+019.7
10.6250	+018.6	+016.7	+014.0	+010.8	+007.7
11.2500	+005.1	+003.2	+002.5	+004.6	+007.6
11.8750	+011.0	+014.6	+017.9	+020.7	+022.7
12.5000	+023.0	+021.7	+019.8	+017.4	+014.6
13.1250	+011.8	+009.2	+007.0	+004.7	+002.7
13.7500	+001.2	+001.8	+003.2	+004.6	+005.5
14.3750	+005.9	+006.1	+005.6	+005.0	+004.7
15.0000	+004.6	+005.1	+006.2	+007.3	+008.3
15.6250	+008.7	+008.8	+008.3	+007.5	+006.5
16.2500	+005.7	+005.0	+005.0	+005.1	+005.7
16.8750	+006.6	+007.5	+008.7	+009.8	+010.6
17.5000	+011.1	+011.3	+010.8	+009.8	+008.5
18.1250	+006.7	+004.6	+002.7	+001.0	+001.5
18.7500	+002.8	+003.9	+004.7	+005.1	+005.2
19.3750	+005.1	+004.8	+004.4	+003.8	+003.4
20.0000	+003.1	+002.8	+002.9	+003.2	+003.8
20.6250	+004.3	+005.0	+005.9	+006.7	+007.5
21.2500	+008.3	+008.8	+009.4	+009.7	+010.0
21.8750	+010.0	+009.9	+009.7	+009.3	+008.9
22.5000	+008.3	+007.6	+006.8	+006.1	+005.1
23.1250	+004.1	+003.3	+002.6	+002.0	+001.6
23.7500	+001.4	+001.6	+001.8	+002.1	+002.6
24.3750	+003.0	+003.6	+004.3	+005.1	+006.1
25.0000	+007.0	+008.0	+008.8	+009.5	+010.1
25.6250	+010.5	+010.7	+010.6	+010.4	+010.1
26.2500	+009.6	+009.0	+008.1	+007.4	+006.6
26.8750	+005.8	+005.0	+004.5	+003.9	+003.6
27.5000	+003.5	+003.4	+003.7	+004.1	+004.4
28.1250	+004.8	+005.4	+005.7	+006.0	+006.4
28.7500	+006.6	+006.8	+006.8	+007.0	+007.2
29.3750	+007.1	+007.1	+007.0	+007.0	+007.1
30.0000	+007.0	+007.1	+007.1	+007.1	+007.1
30.6250	+007.1	+007.1	+006.9	+006.8	+006.8
31.2500	+006.6	+006.5	+006.2	+005.8	+005.6
31.8750	+005.3	+005.0	+004.9	+004.8	+004.7
32.5000	+004.6	+004.6	+004.7	+004.8	+004.9
33.1250	+005.1	+005.4	+005.5	+005.8	+006.1
33.7500	+006.4	+006.7	+007.1	+007.4	+007.5
34.3750	+007.6	+007.8	+007.8	+007.8	+007.5
35.0000	+007.4	+007.2	+006.9	+006.6	+006.4
35.6250	+006.1	+005.9	+005.6	+005.3	+005.3
36.2500	+005.1	+005.1	+005.1	+005.1	+005.1
36.8750	+005.2	+005.4	+005.5	+005.7	+005.8

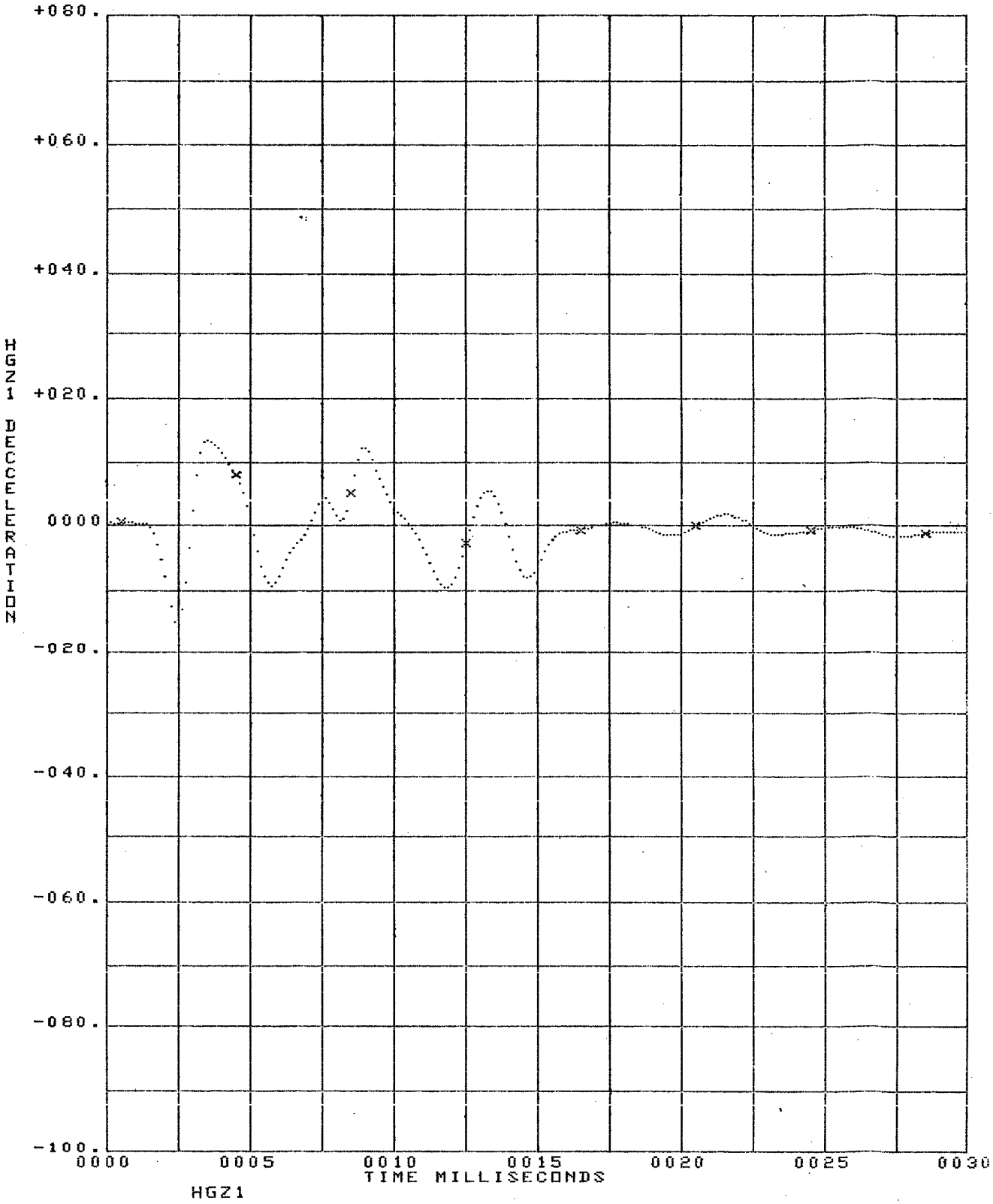
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H102		
37.5000	+006.0	+006.2	+006.2	+006.5	+006.6	
38.1250	+006.8	+006.9	+007.0	+007.0	+007.1	
38.7500	+007.1	+007.1	+007.0	+007.0	+007.0	
39.3750	+007.0	+006.8	+006.7	+006.7	+006.5	
40.0000	+006.4	+006.4	+006.2	+006.1	+006.1	
40.6250	+006.0	+005.8	+005.8	+005.8	+005.8	
41.2500	+005.8	+006.0	+006.0	+006.1	+006.1	
41.8750	+006.2	+006.3	+006.4	+006.4	+006.6	
42.5000	+006.5	+006.6	+006.8	+006.8	+006.8	
43.1250	+006.9	+006.9	+006.8	+006.8	+006.6	
43.7500	+006.5	+006.5	+006.3	+006.3	+006.2	
44.3750	+006.0	+005.9	+005.8	+005.7	+005.6	
45.0000	+005.6	+005.4	+005.4	+005.4	+005.4	
45.6250	+005.4	+005.4	+005.4	+005.4	+005.5	
46.2500	+005.5	+005.5	+005.7	+005.8	+005.8	
46.8750	+005.8	+005.8	+005.8	+005.8	+005.8	
47.5000	+005.8	+005.7	+005.7	+005.6	+005.6	
48.1250	+005.6	+005.4	+005.4	+005.3	+005.2	
48.7500	+005.1	+005.0	+005.0	+005.0	+005.0	
49.3750	+005.0	+005.0	+005.0	+005.0	+005.0	
50.0000	+005.1	+005.1	+005.2	+005.3	+005.4	
50.6250	+005.4	+005.4	+005.6	+005.5	+005.6	
51.2500	+005.6	+005.6	+005.7	+005.5	+005.6	
51.8750	+005.6	+005.5	+005.4	+005.4	+005.3	
52.5000	+005.3	+005.3	+005.1	+005.1	+005.0	
53.1250	+005.0	+005.0	+004.9	+004.9	+004.7	
53.7500	+004.7	+004.8	+004.8	+004.6	+004.6	
54.3750	+004.6	+004.5	+004.3	+004.2	+004.0	
55.0000	+003.9	+003.8	+003.6	+003.4	+003.2	
55.6250	+003.0	+002.8	+002.7	+002.6	+002.5	
56.2500	+002.4	+002.2	+002.0	+001.8	+001.4	
56.8750	+001.1	+000.8	+000.4	+000.3	+000.4	
57.5000	+000.7	+001.0	+001.4	+001.8	+002.2	
58.1250	+002.5	+002.8	+003.2	+003.4	+003.8	
58.7500	+003.9	+004.2	+004.4	+004.4	+004.6	
59.3750	+004.7	+004.9	+005.1	+005.3	+313.4	

AMAX= +106.0 AT T=004.7

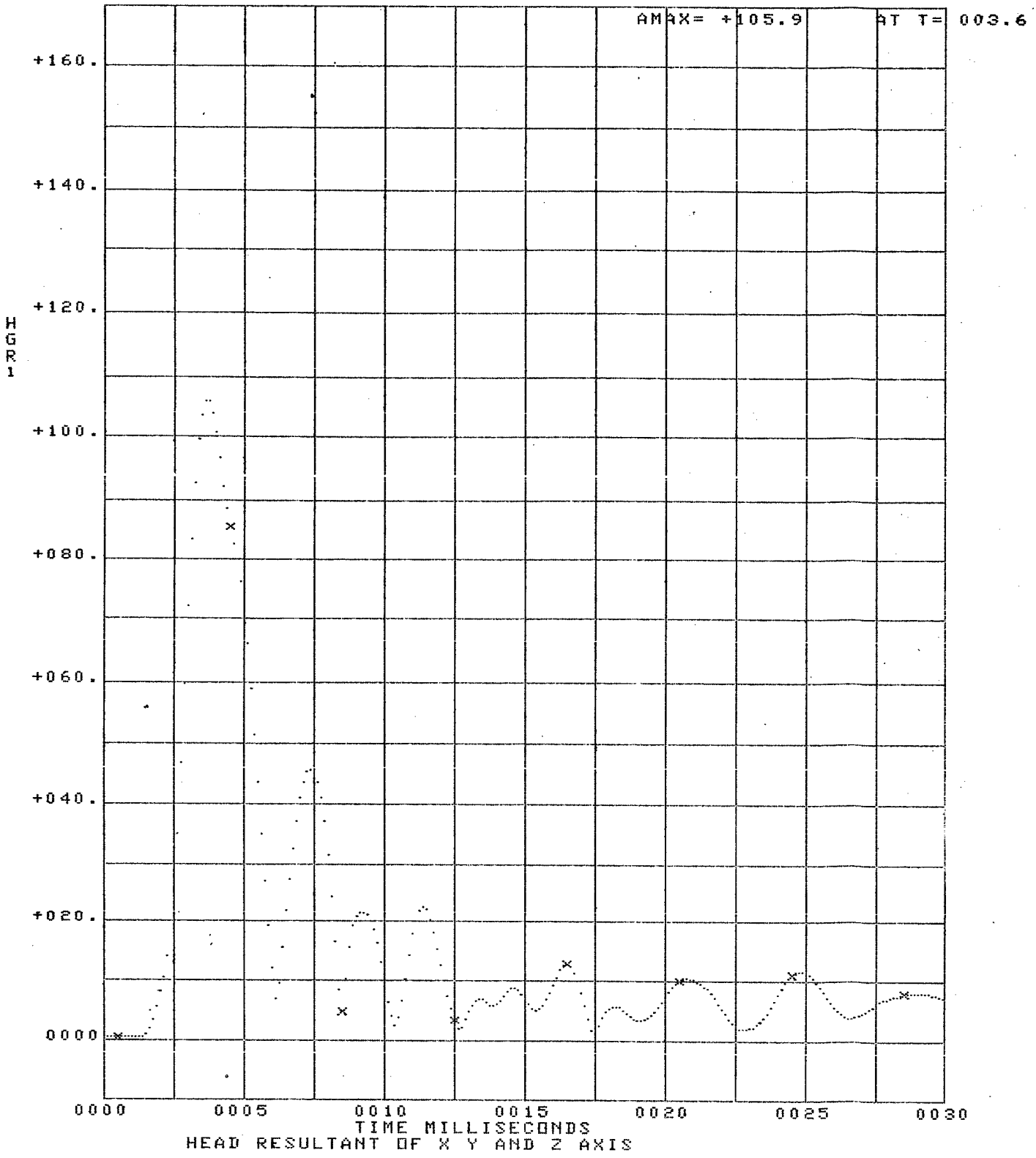

Head Impact
Dummy No. 31, Run No. 3
+200.
+160.
+120.
+080.
+040.
0000
-040.
-080.
-120.
-160.
HGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGX1


HEAD IMPACT
TEST H103
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1

HEAD IMPACT
TEST H103



HEAD IMPACT
TEST H103

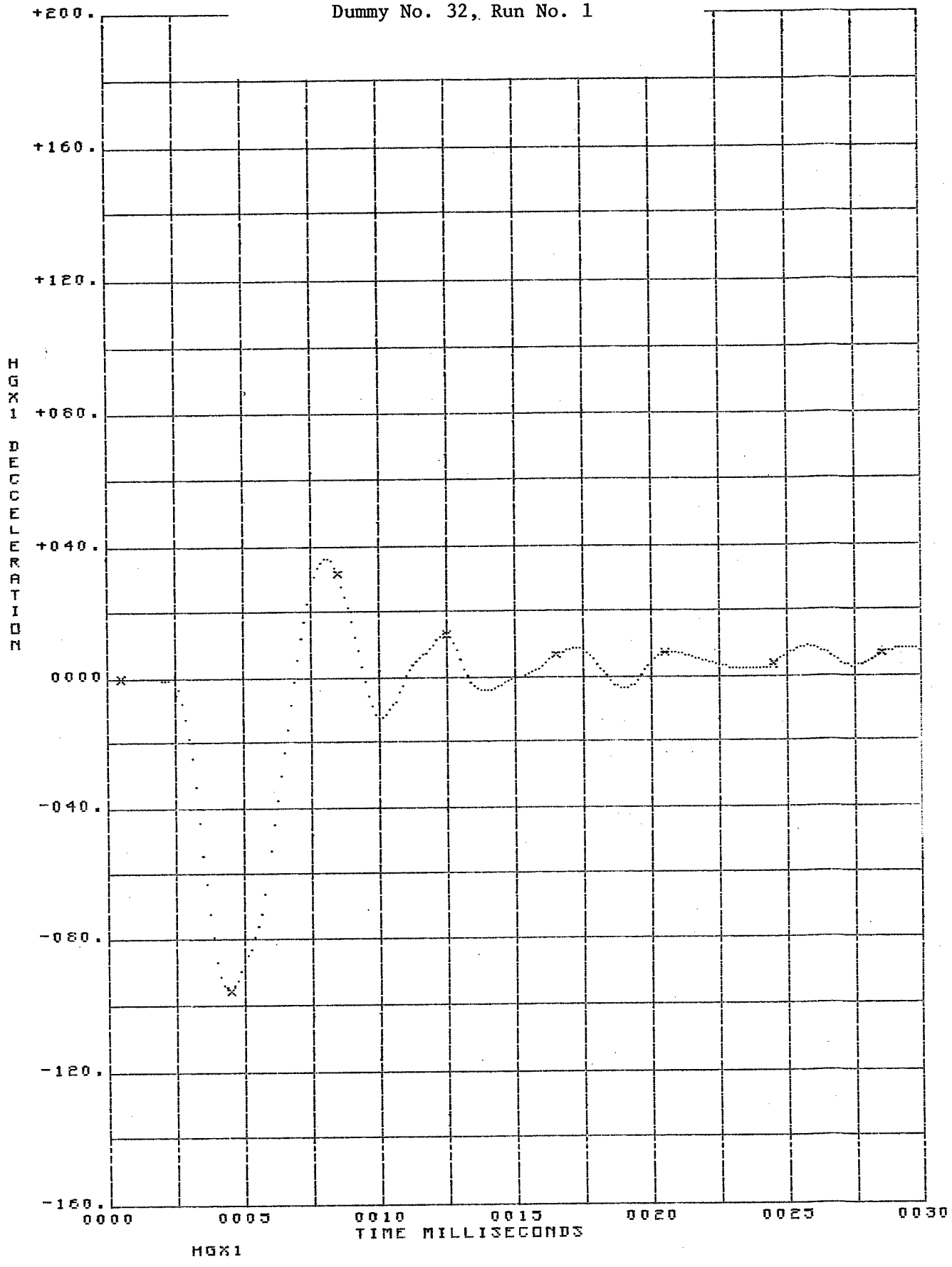


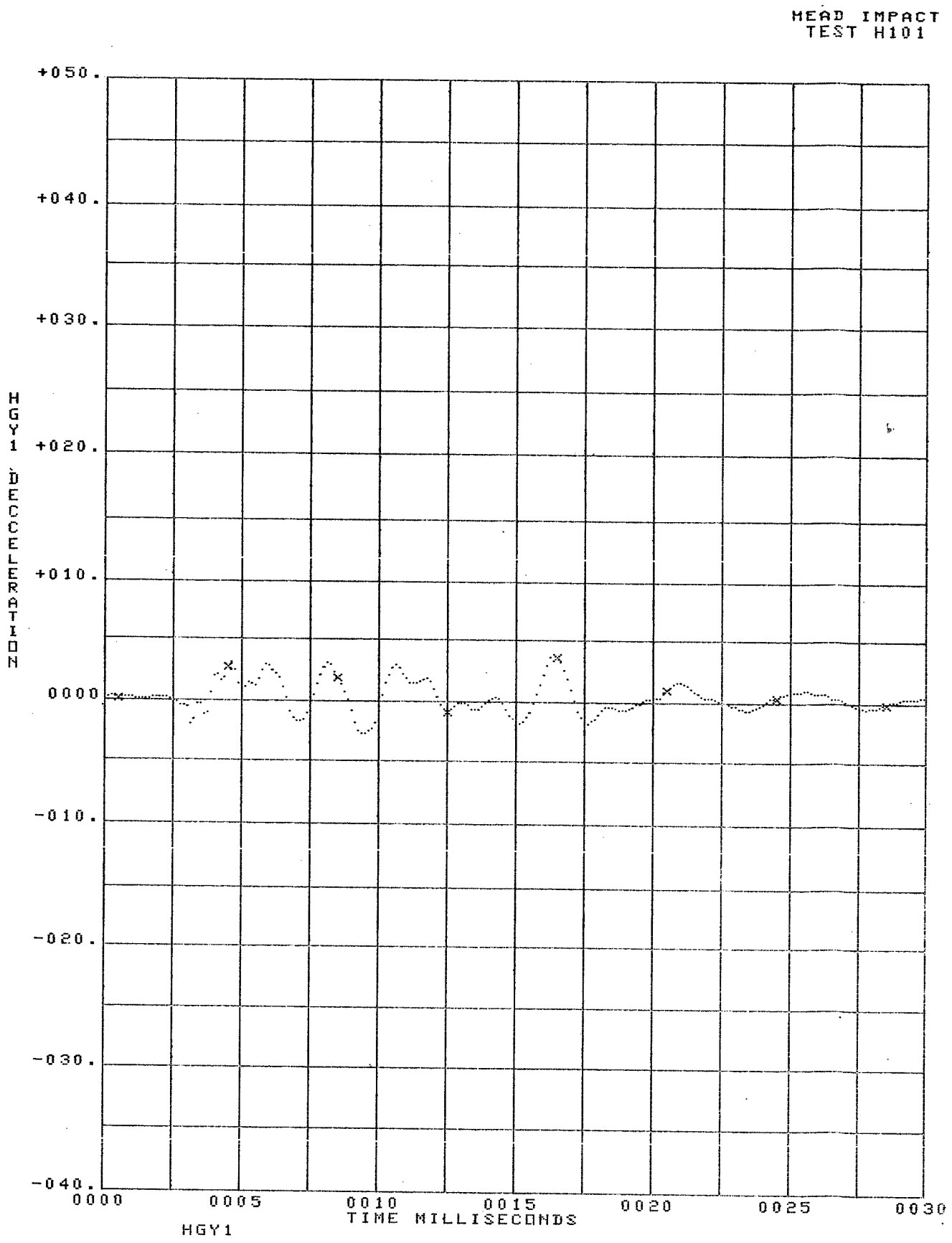
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H103

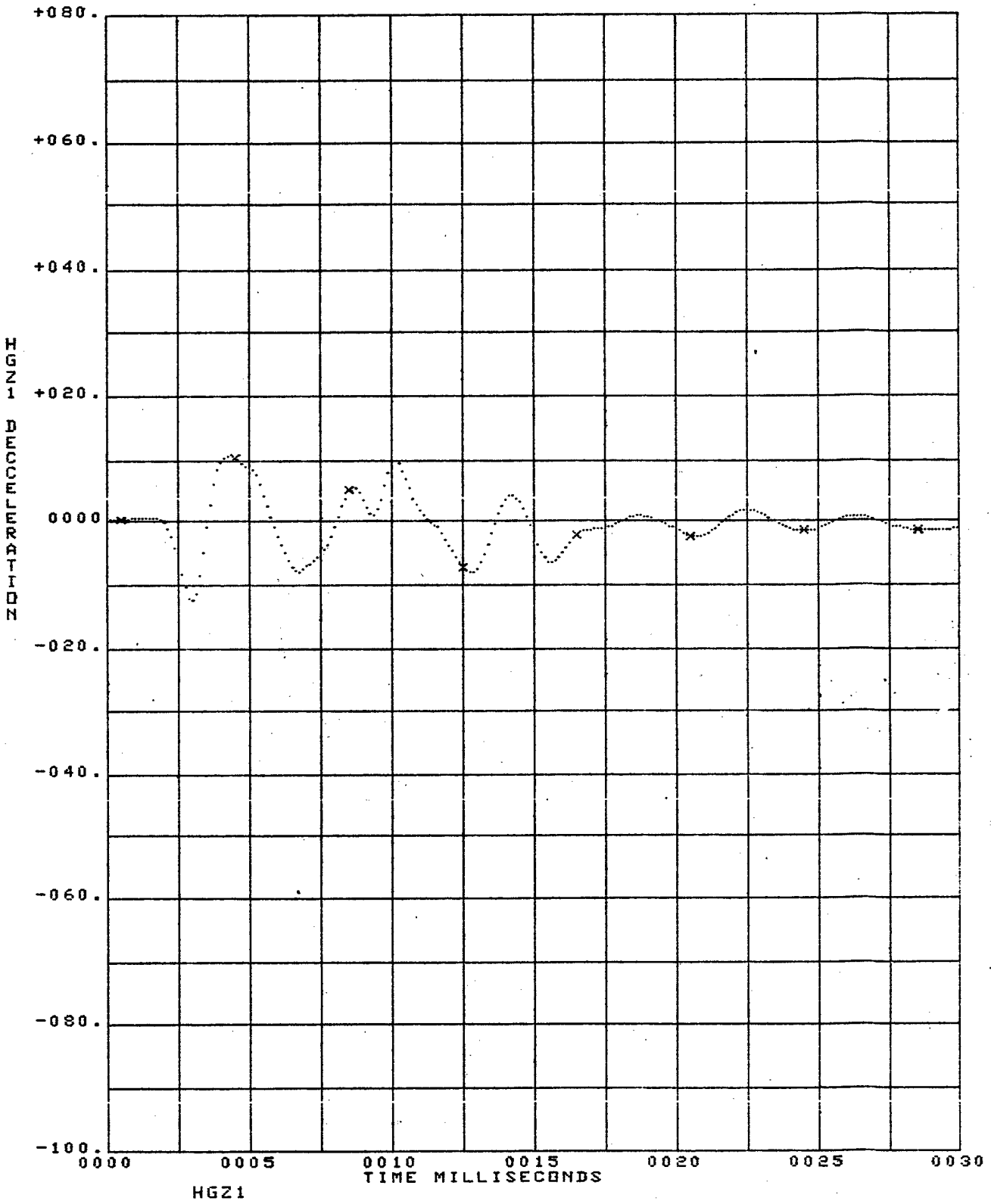
TIME					
0.0000	+000.1	+000.1	+000.1	+000.2	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.1
1.2500	+000.3	+000.7	+001.6	+003.1	+005.4
1.8750	+008.0	+010.2	+013.6	+019.5	+026.3
2.5000	+034.8	+046.2	+059.3	+071.8	+083.3
3.1250	+092.6	+099.3	+103.5	+105.9	+105.9
3.7500	+104.0	+100.7	+096.5	+092.2	+088.5
4.3750	+085.5	+082.6	+079.7	+076.1	+071.5
5.0000	+065.6	+058.7	+050.9	+043.0	+034.8
5.6250	+026.8	+018.9	+011.6	+006.8	+009.1
6.2500	+015.1	+021.3	+027.1	+032.4	+036.8
6.8750	+040.4	+043.1	+044.7	+045.0	+044.4
7.5000	+043.0	+040.6	+036.9	+031.3	+024.2
8.1250	+016.2	+008.3	+004.8	+009.8	+015.1
8.7500	+018.8	+020.5	+021.2	+021.1	+020.6
9.3750	+019.7	+018.2	+015.8	+012.5	+009.3
10.0000	+006.2	+003.9	+002.2	+003.6	+006.4
10.6250	+010.0	+013.9	+017.3	+019.7	+021.3
11.2500	+022.1	+021.5	+019.8	+017.5	+014.9
11.8750	+012.2	+009.6	+007.2	+005.3	+003.2
12.5000	+001.6	+001.9	+003.3	+004.6	+005.7
13.1250	+006.3	+006.6	+006.5	+006.1	+005.7
13.7500	+005.6	+005.8	+006.5	+007.2	+007.9
14.3750	+008.3	+008.4	+008.1	+007.5	+006.6
15.0000	+005.9	+005.2	+005.0	+005.2	+005.8
15.6250	+006.7	+007.7	+008.9	+010.2	+011.3
16.2500	+012.1	+012.4	+011.9	+011.0	+009.6
16.8750	+007.7	+005.7	+003.4	+001.3	+000.6
17.5000	+002.3	+003.6	+004.6	+005.1	+005.4
18.1250	+005.5	+005.3	+004.9	+004.4	+003.9
18.7500	+003.5	+003.2	+003.2	+003.4	+003.6
19.3750	+004.2	+004.8	+005.5	+006.2	+007.1
20.0000	+007.9	+008.7	+009.3	+009.7	+010.0
20.6250	+010.0	+010.0	+009.8	+009.4	+009.2
21.2500	+008.7	+008.4	+007.7	+006.8	+005.9
21.8750	+005.2	+004.3	+003.5	+002.7	+002.1
22.5000	+001.8	+001.7	+001.7	+001.9	+002.1
23.1250	+002.4	+003.0	+003.7	+004.4	+005.4
23.7500	+006.4	+007.5	+008.5	+009.4	+010.1
24.3750	+010.6	+011.0	+011.2	+011.2	+011.0
25.0000	+010.6	+010.1	+009.4	+008.6	+007.8
25.6250	+006.9	+006.2	+005.5	+004.9	+004.5
26.2500	+004.0	+003.7	+003.8	+003.9	+004.0
26.8750	+004.4	+004.8	+005.2	+005.5	+006.0
27.5000	+006.3	+006.6	+006.7	+006.9	+007.1
28.1250	+007.2	+007.5	+007.6	+007.6	+007.5
28.7500	+007.6	+007.6	+007.6	+007.6	+007.6
29.3750	+007.4	+007.3	+007.1	+007.0	+006.8
30.0000	+006.6	+006.5	+006.1	+005.8	+005.5
30.6250	+005.3	+005.0	+004.8	+004.6	+004.5
31.2500	+004.5	+004.3	+004.4	+004.4	+004.6
31.8750	+004.7	+004.9	+005.2	+005.4	+005.6
32.5000	+006.0	+006.2	+006.5	+006.8	+007.1
33.1250	+007.2	+007.4	+007.4	+007.4	+007.1
33.7500	+006.9	+006.7	+006.6	+006.3	+006.0
34.3750	+005.7	+005.6	+005.3	+005.1	+004.9
35.0000	+004.9	+004.8	+004.8	+004.8	+004.8
35.6250	+004.9	+005.0	+005.2	+005.3	+005.6
36.2500	+005.7	+005.8	+006.1	+006.3	+006.5
36.8750	+006.6	+006.8	+007.1	+007.1	+007.1

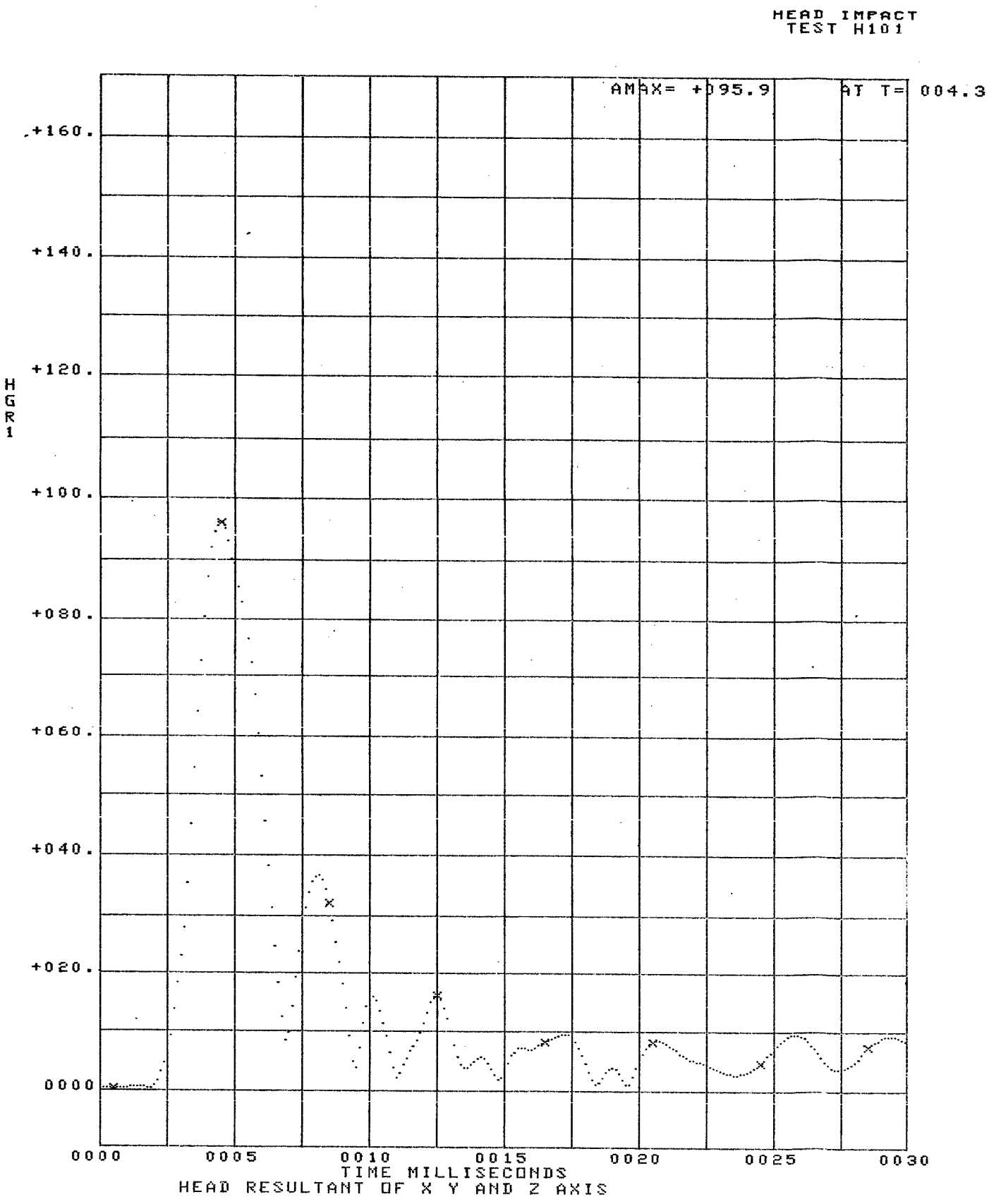
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H103		
37.5000	+007.1	+007.2	+007.2	+007.1	+007.0	
38.1250	+007.0	+006.9	+006.8	+006.7	+006.5	
38.7500	+006.6	+006.3	+006.1	+006.1	+006.1	
39.3750	+006.0	+006.0	+006.0	+006.0	+006.1	
40.0000	+006.1	+006.2	+006.3	+006.6	+006.5	
40.6250	+006.6	+006.7	+006.7	+007.0	+007.1	
41.2500	+007.1	+007.1	+007.2	+007.2	+007.2	
41.8750	+007.2	+007.2	+007.2	+007.2	+007.2	
42.5000	+007.1	+007.1	+006.9	+006.9	+006.7	
43.1250	+006.6	+006.6	+006.4	+006.4	+006.4	
43.7500	+006.3	+006.3	+006.1	+006.1	+006.1	
44.3750	+006.1	+006.4	+006.2	+006.3	+006.3	
45.0000	+006.3	+006.5	+006.5	+006.5	+006.5	
45.6250	+006.5	+006.5	+006.5	+006.3	+006.3	
46.2500	+006.3	+006.3	+006.0	+006.0	+005.8	
46.8750	+005.8	+005.7	+005.5	+005.5	+005.4	
47.5000	+005.2	+005.1	+005.1	+005.1	+005.0	
48.1250	+005.0	+005.0	+005.0	+005.0	+005.0	
48.7500	+005.0	+005.0	+005.1	+005.2	+005.4	
49.3750	+005.3	+005.3	+005.3	+005.4	+005.5	
50.0000	+005.5	+005.4	+005.4	+005.4	+005.4	
50.6250	+005.4	+005.3	+005.1	+005.1	+005.0	
51.2500	+005.0	+004.9	+004.9	+004.8	+004.7	
51.8750	+004.7	+004.7	+004.7	+004.6	+004.6	
52.5000	+004.6	+004.6	+004.6	+004.7	+004.6	
53.1250	+004.5	+004.6	+004.6	+004.6	+004.8	
53.7500	+004.8	+005.0	+005.0	+005.0	+005.0	
54.3750	+005.0	+005.2	+005.1	+005.1	+005.0	
55.0000	+004.8	+004.5	+004.2	+003.9	+003.8	
55.6250	+003.4	+003.2	+003.0	+002.7	+002.5	
56.2500	+002.4	+002.2	+002.1	+001.9	+001.8	
56.8750	+001.5	+001.4	+001.0	+000.8	+000.6	
57.5000	+000.3	+000.3	+000.3	+000.6	+000.8	
58.1250	+001.3	+001.6	+002.0	+002.4	+002.8	
58.7500	+003.2	+003.5	+003.9	+004.2	+004.6	
59.3750	+004.7	+004.9	+005.2	+005.4	+313.4	

AMAX= +105.9 AT T=003.6


Head Impact
Dummy No. 32, Run No. 1
+200.
+160.
+120.
+080.
+040.
0000
-040.
-080.
-120.
-160.
HGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGX1


HEAD IMPACT
TEST H101
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1


+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
-100.
HGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGZ1


HEAD IMPACT
TEST H101
AMAX= +095.9
AT T= 004.3
+160.
+140.
+120.
+100.
+080.
+060.
+040.
+020.
0000
HGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H101

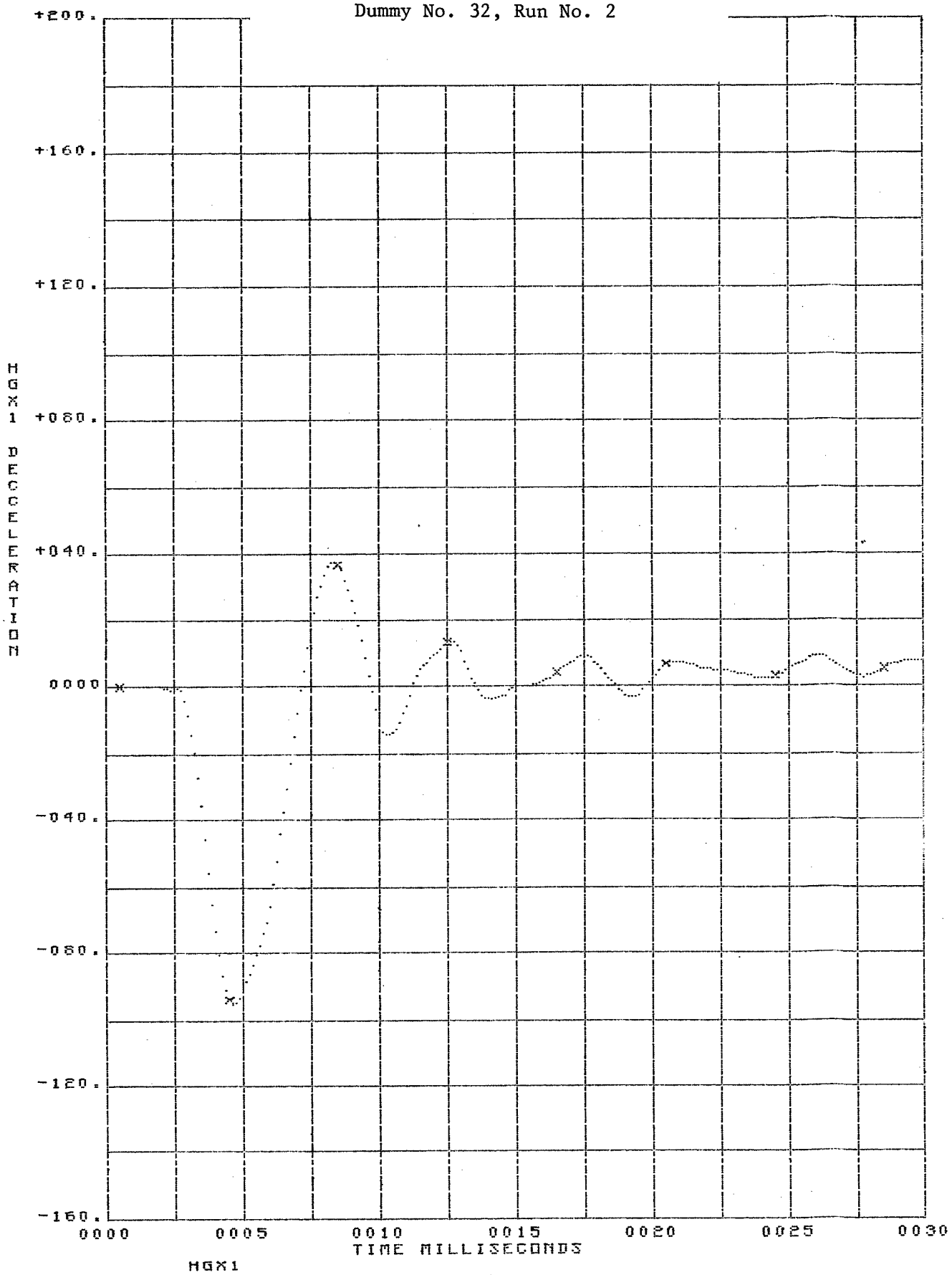
TIME					
0.0000	+000.1	+000.1	+000.1	+000.2	+000.1
0.6250	+000.1	+000.2	+000.2	+000.3	+000.3
1.2500	+000.3	+000.3	+000.3	+000.2	+000.1
1.8750	+000.6	+001.5	+002.8	+004.4	+006.5
2.5000	+009.0	+013.0	+017.9	+022.7	+027.6
3.1250	+035.0	+044.6	+054.3	+063.5	+072.2
3.7500	+080.2	+087.0	+091.7	+094.5	+095.8
4.3750	+095.9	+094.8	+092.8	+090.2	+087.5
5.0000	+085.2	+082.8	+079.8	+076.2	+072.0
5.6250	+066.5	+060.0	+052.7	+045.1	+037.9
6.2500	+031.0	+024.5	+017.8	+011.8	+008.1
6.8750	+009.4	+013.7	+018.8	+023.5	+027.7
7.5000	+031.1	+033.6	+035.3	+036.1	+036.2
8.1250	+035.6	+034.0	+031.8	+028.8	+025.2
8.7500	+021.5	+017.6	+013.4	+008.8	+004.6
9.3750	+003.6	+006.9	+010.8	+013.7	+015.3
10.0000	+015.5	+014.6	+013.0	+010.9	+008.8
10.6250	+006.2	+003.6	+002.0	+002.6	+004.0
11.2500	+005.3	+006.3	+007.0	+008.1	+009.4
11.8750	+010.9	+012.7	+014.4	+015.3	+015.5
12.5000	+014.8	+013.4	+011.6	+009.5	+007.4
13.1250	+005.5	+004.2	+003.6	+003.7	+004.2
13.7500	+004.6	+005.2	+005.4	+005.1	+004.5
14.3750	+003.4	+002.5	+001.8	+002.0	+003.2
15.0000	+004.4	+005.6	+006.2	+006.8	+006.9
15.6250	+006.8	+006.7	+006.7	+007.0	+007.3
16.2500	+007.7	+007.9	+008.2	+008.4	+008.6
16.8750	+008.8	+009.1	+009.1	+009.0	+008.6
17.5000	+007.9	+006.8	+005.7	+004.4	+002.9
18.1250	+001.6	+000.8	+001.1	+002.0	+002.8
18.7500	+003.4	+003.6	+003.3	+002.7	+001.8
19.3750	+001.0	+001.0	+002.1	+003.6	+004.9
20.0000	+006.0	+007.0	+007.7	+008.0	+008.2
20.6250	+008.2	+008.0	+007.7	+007.2	+006.8
21.2500	+006.5	+006.0	+005.7	+005.4	+005.0
21.8750	+004.9	+004.7	+004.6	+004.4	+004.2
22.5000	+004.0	+003.7	+003.4	+003.2	+002.9
23.1250	+002.7	+002.6	+002.5	+002.5	+002.6
23.7500	+002.7	+002.9	+003.2	+003.6	+004.0
24.3750	+004.5	+005.0	+005.6	+006.1	+006.8
25.0000	+007.4	+007.9	+008.5	+008.9	+009.2
25.6250	+009.3	+009.2	+009.0	+008.6	+008.1
26.2500	+007.5	+006.8	+006.1	+005.4	+004.7
26.8750	+004.2	+003.7	+003.5	+003.4	+003.4
27.5000	+003.6	+003.8	+004.2	+004.7	+005.3
28.1250	+005.9	+006.6	+007.0	+007.5	+008.0
28.7500	+008.3	+008.6	+008.9	+008.8	+008.8
29.3750	+008.8	+008.6	+008.4	+008.2	+007.8
30.0000	+007.5	+007.2	+006.8	+006.5	+006.3
30.6250	+006.0	+005.8	+005.7	+005.6	+005.5
31.2500	+005.6	+005.6	+005.6	+005.7	+005.7
31.8750	+005.9	+005.9	+006.1	+006.1	+006.2
32.5000	+006.2	+006.3	+006.4	+006.4	+006.4
33.1250	+006.5	+006.7	+006.8	+006.9	+006.9
33.7500	+007.0	+007.0	+007.0	+007.0	+007.0
34.3750	+006.9	+006.9	+006.8	+006.6	+006.5
35.0000	+006.4	+006.1	+005.9	+005.8	+005.6
35.6250	+005.5	+005.3	+005.3	+005.2	+005.2
36.2500	+005.2	+005.3	+005.5	+005.5	+005.8
36.8750	+006.0	+006.2	+006.3	+006.6	+006.6

RESULTANT (HGR1) OF

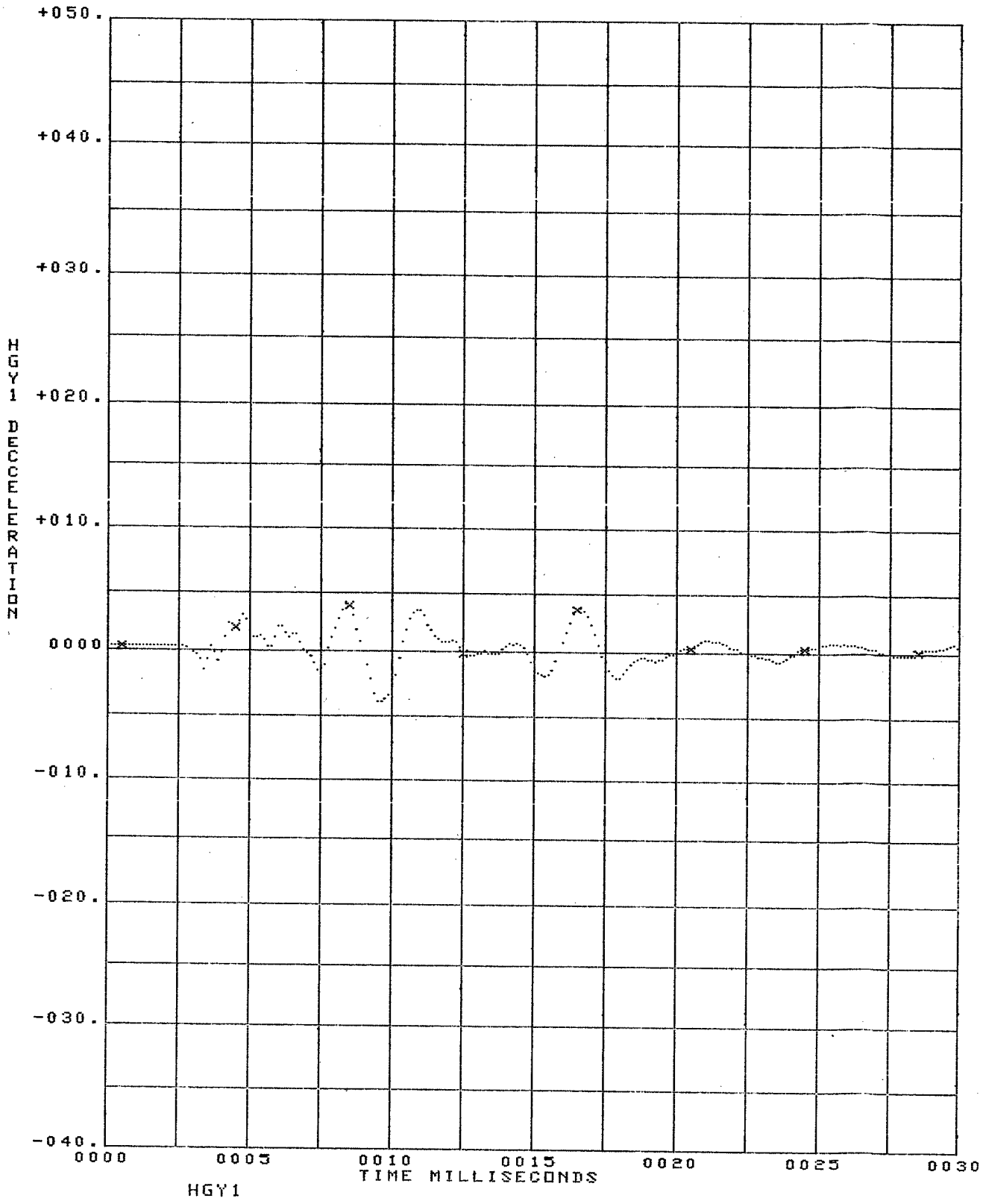
	HGX1	HGY1	HGZ1	H101		
37.5000	+006.9	+006.8	+007.0	+007.0	+007.1	
38.1250	+006.9	+006.9	+006.7	+006.7	+006.6	
38.7500	+006.5	+006.4	+006.1	+006.1	+005.9	
39.3750	+005.9	+005.8	+005.7	+005.7	+005.7	
40.0000	+005.7	+005.7	+005.7	+005.8	+005.9	
40.6250	+005.8	+006.0	+006.2	+006.2	+006.4	
41.2500	+006.5	+006.6	+006.6	+006.6	+006.7	
41.8750	+006.7	+006.8	+006.9	+006.9	+006.9	
42.5000	+006.9	+006.8	+006.8	+006.7	+006.6	
43.1250	+006.5	+006.5	+006.4	+006.3	+006.3	
43.7500	+006.0	+006.0	+006.0	+005.9	+005.9	
44.3750	+005.9	+005.9	+005.9	+005.9	+005.9	
45.0000	+005.9	+005.9	+005.9	+006.1	+006.1	
45.6250	+006.1	+006.1	+006.1	+006.2	+006.3	
46.2500	+006.4	+006.3	+006.3	+006.3	+006.3	
46.8750	+006.3	+006.3	+006.0	+006.0	+006.0	
47.5000	+005.8	+005.8	+005.8	+005.7	+005.5	
48.1250	+005.5	+005.5	+005.5	+005.4	+005.5	
48.7500	+005.4	+005.5	+005.5	+005.5	+005.6	
49.3750	+005.4	+005.6	+005.6	+005.6	+005.6	
50.0000	+005.5	+005.5	+005.6	+005.6	+005.7	
50.6250	+005.7	+005.7	+005.7	+005.7	+005.5	
51.2500	+005.5	+005.6	+005.6	+005.6	+005.5	
51.8750	+005.5	+005.4	+005.4	+005.4	+005.4	
52.5000	+005.4	+005.2	+005.3	+005.3	+005.2	
53.1250	+005.2	+005.2	+005.2	+005.2	+005.2	
53.7500	+005.2	+005.2	+005.2	+005.1	+005.1	
54.3750	+005.2	+005.2	+005.2	+005.2	+005.2	
55.0000	+005.2	+005.2	+005.2	+005.2	+005.2	
55.6250	+005.2	+005.2	+005.1	+005.0	+005.0	
56.2500	+005.0	+005.0	+005.0	+005.0	+005.0	
56.8750	+005.0	+005.0	+005.0	+005.0	+005.0	
57.5000	+004.9	+004.9	+005.0	+004.9	+004.9	
58.1250	+004.7	+004.7	+004.7	+004.5	+004.3	
58.7500	+004.0	+003.7	+003.5	+003.2	+002.8	
59.3750	+002.6	+002.1	+001.9	+001.7	+313.4	

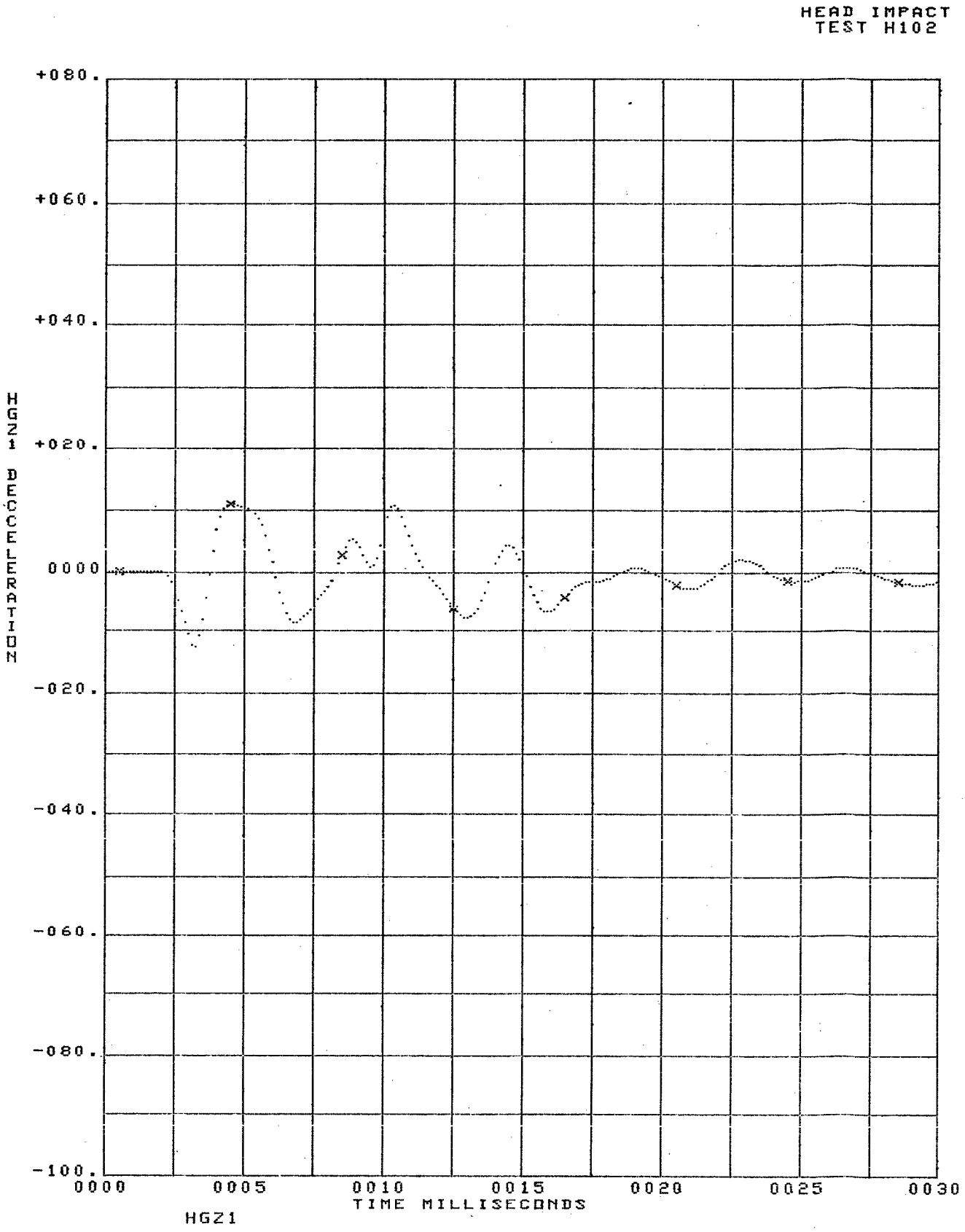
AMAX= +095.9 AT T=004.3

Head Impact
Dummy No. 32, Run No. 2

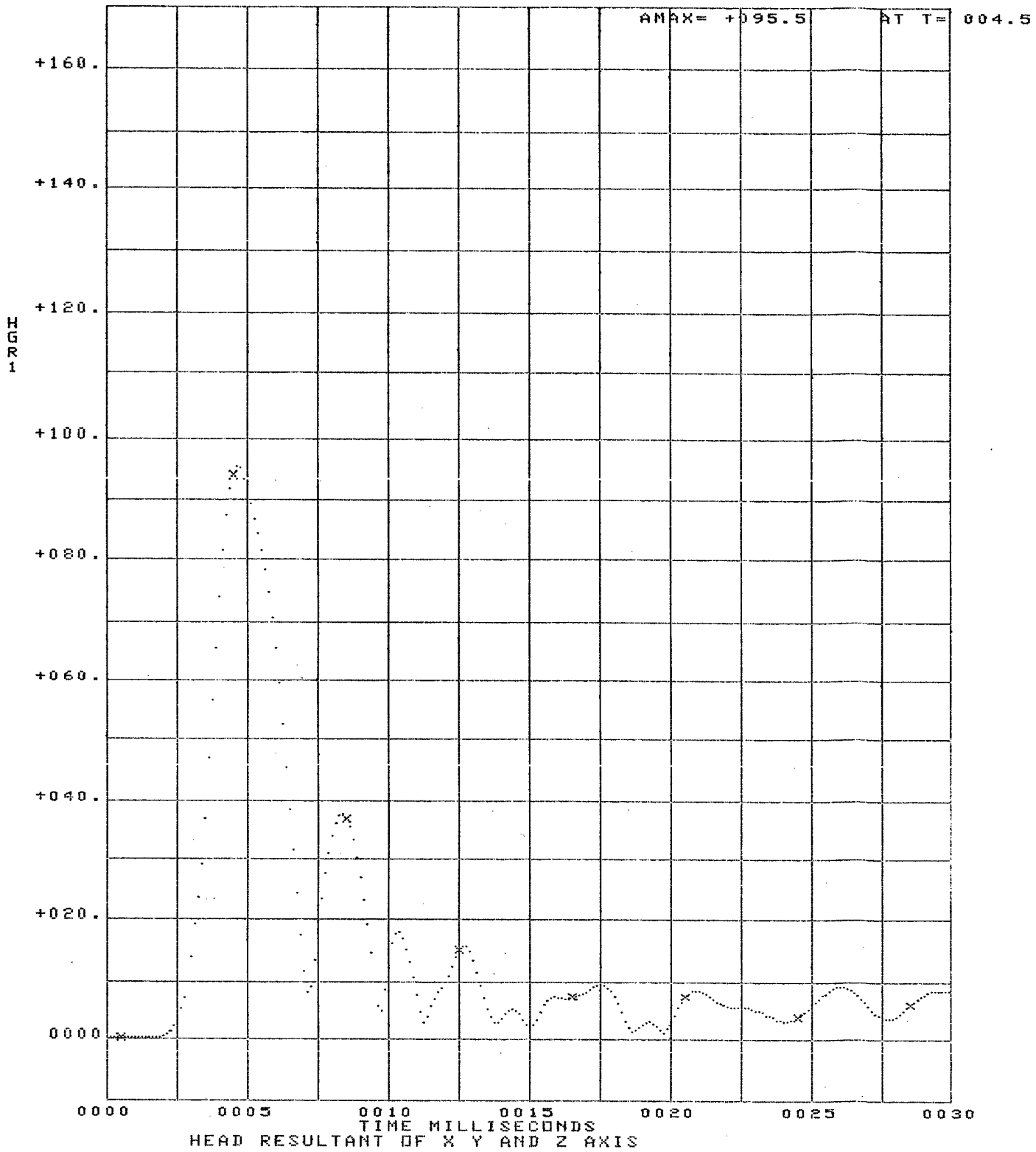


HEAD IMPACT
TEST H102




HEAD IMPACT
TEST H102
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
-100.
HGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGZ1

HEAD IMPACT
TEST H102

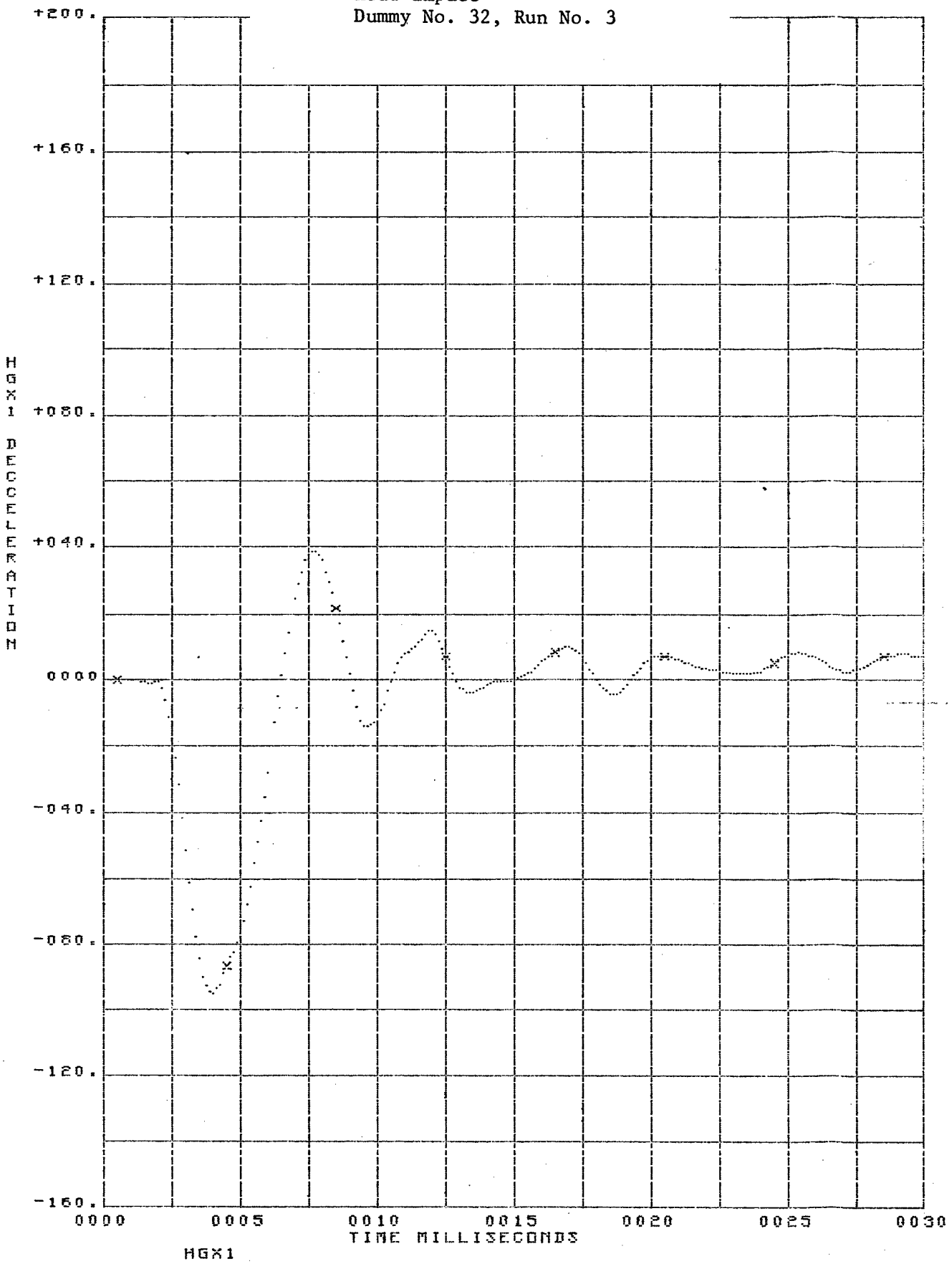


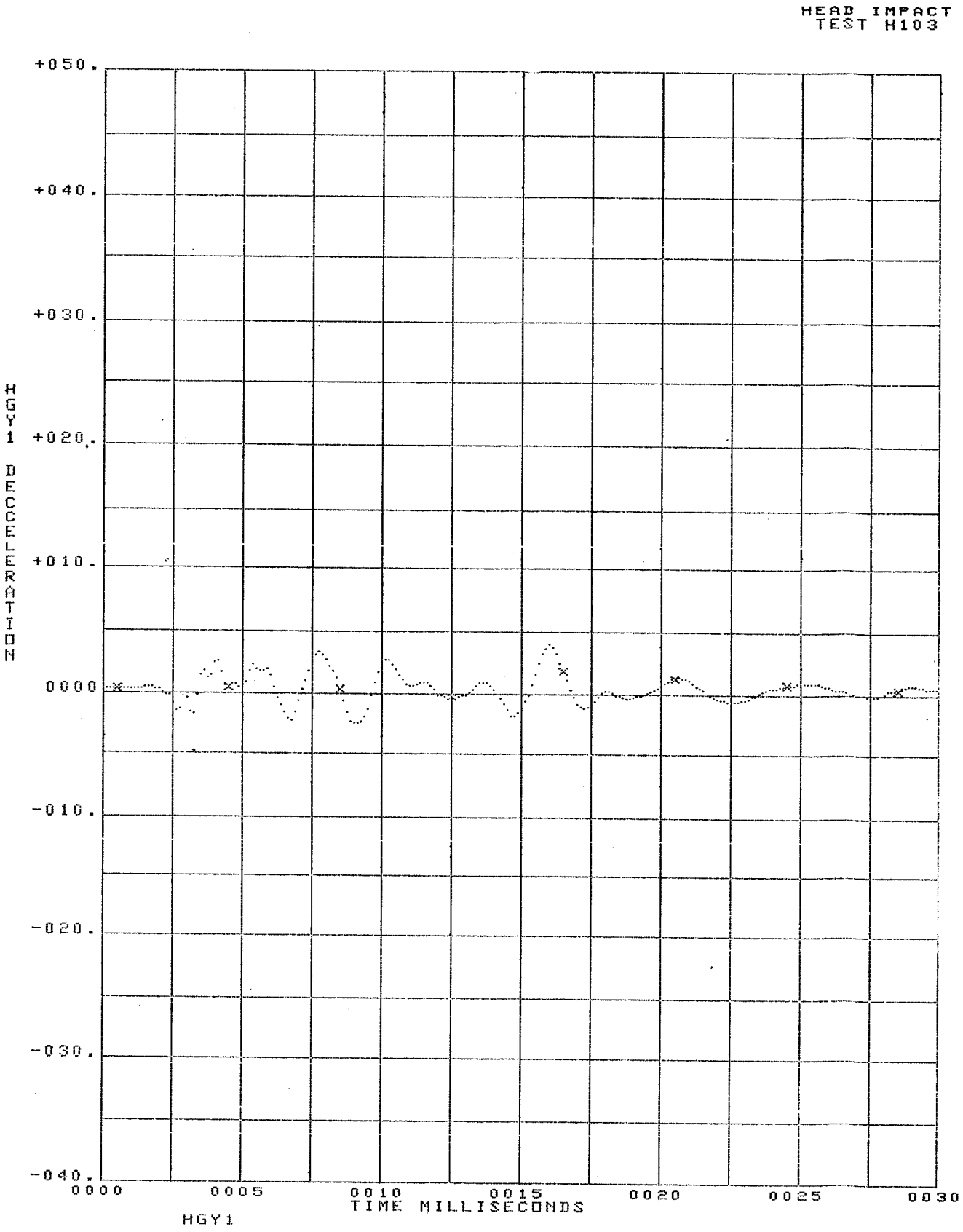
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H102

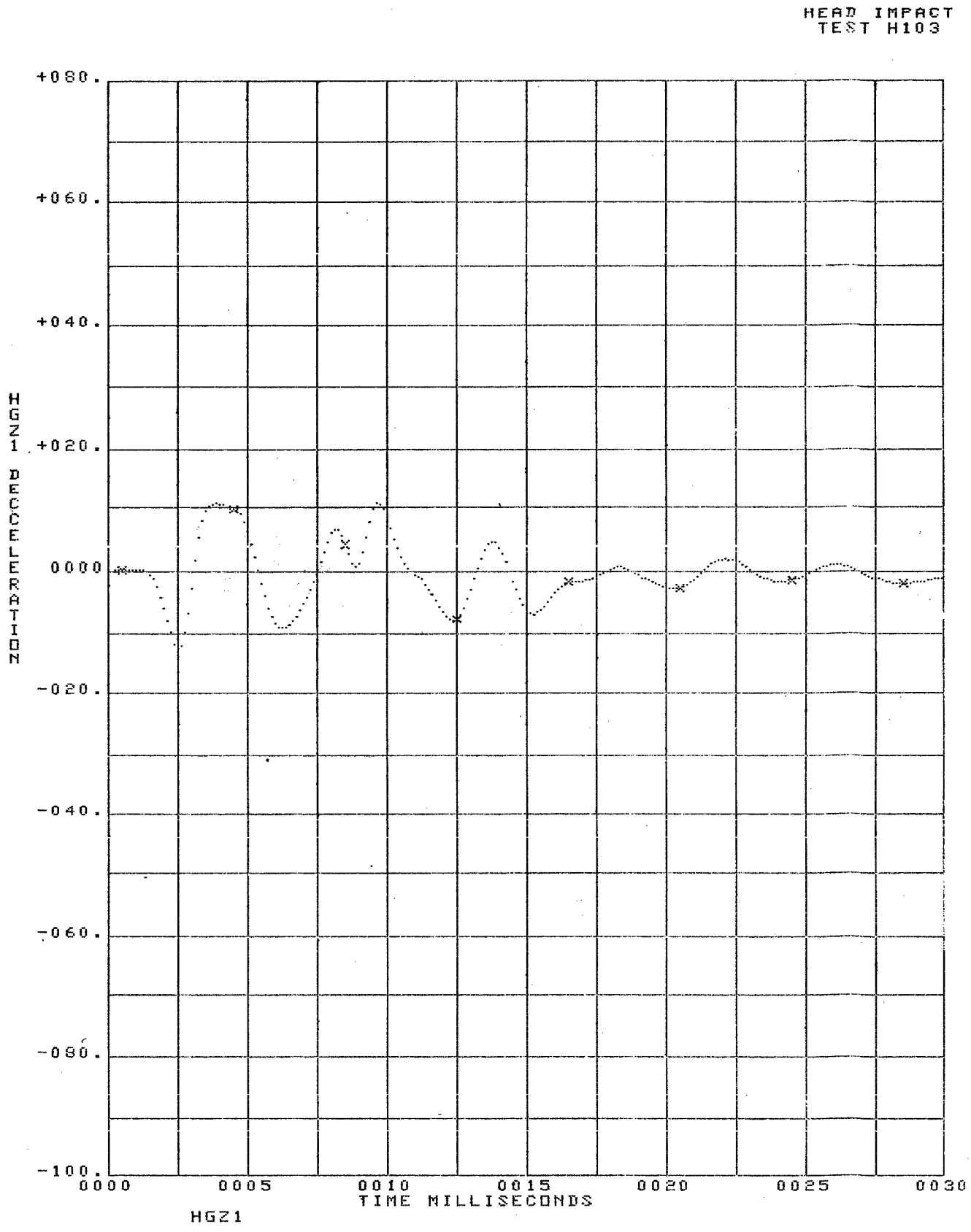
TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.1	+000.4	+001.0	+001.9	+003.2
2.5000	+004.9	+006.9	+009.6	+013.7	+018.8
3.1250	+023.1	+028.6	+036.5	+046.5	+056.1
3.7500	+065.3	+073.6	+081.3	+087.4	+091.7
4.3750	+094.3	+095.5	+095.3	+093.9	+091.7
5.0000	+089.1	+086.5	+084.0	+081.2	+078.0
5.6250	+074.4	+070.4	+065.4	+059.2	+052.1
6.2500	+045.0	+038.1	+031.0	+023.8	+017.1
6.8750	+011.3	+007.9	+008.9	+013.2	+018.3
7.5000	+022.9	+027.0	+030.7	+033.7	+035.8
8.1250	+037.0	+037.2	+036.6	+035.2	+032.8
8.7500	+029.7	+026.4	+022.7	+018.8	+014.4
9.3750	+009.7	+005.5	+004.7	+008.4	+012.6
10.0000	+015.8	+017.3	+017.5	+016.5	+015.0
10.6250	+012.8	+010.4	+007.4	+004.4	+002.7
11.2500	+003.6	+005.4	+006.7	+007.9	+008.7
11.8750	+009.7	+010.8	+012.2	+013.6	+014.8
12.5000	+015.4	+015.4	+014.6	+013.1	+011.2
13.1250	+009.1	+007.0	+005.0	+003.6	+002.7
13.7500	+002.7	+003.3	+004.1	+004.6	+004.9
14.3750	+004.7	+004.1	+003.2	+002.1	+001.8
15.0000	+002.1	+003.2	+004.5	+005.6	+006.5
15.6250	+007.0	+007.1	+007.0	+006.8	+006.7
16.2500	+006.8	+007.1	+007.2	+007.5	+007.6
16.8750	+007.9	+008.4	+008.9	+009.2	+009.2
17.5000	+009.1	+008.7	+008.1	+007.1	+005.8
18.1250	+004.4	+003.0	+001.7	+000.8	+001.0
18.7500	+001.8	+002.3	+002.7	+002.8	+002.5
19.3750	+002.0	+001.2	+000.6	+001.4	+002.5
20.0000	+003.8	+005.1	+006.1	+007.1	+007.7
20.6250	+008.2	+008.2	+008.1	+007.9	+007.7
21.2500	+007.1	+006.7	+006.3	+005.8	+005.7
21.8750	+005.4	+005.3	+005.2	+005.2	+005.2
22.5000	+005.2	+005.1	+005.0	+004.8	+004.6
23.1250	+004.3	+004.0	+003.9	+003.6	+003.3
23.7500	+003.1	+003.0	+002.9	+003.1	+003.2
24.3750	+003.7	+004.1	+004.5	+005.0	+005.5
25.0000	+006.1	+006.7	+007.3	+007.7	+008.2
25.6250	+008.7	+008.9	+009.0	+009.0	+008.8
26.2500	+008.4	+007.9	+007.3	+006.7	+006.1
26.8750	+005.4	+004.8	+004.3	+003.9	+003.5
27.5000	+003.3	+003.3	+003.5	+003.7	+004.1
28.1250	+004.6	+005.1	+005.6	+006.2	+006.7
28.7500	+007.1	+007.5	+007.9	+008.1	+008.3
29.3750	+008.3	+008.3	+008.2	+008.1	+007.9
30.0000	+007.8	+007.5	+007.2	+006.9	+006.5
30.6250	+006.3	+006.2	+005.8	+005.7	+005.6
31.2500	+005.5	+005.4	+005.4	+005.4	+005.4
31.8750	+005.4	+005.4	+005.5	+005.5	+005.7
32.5000	+005.9	+005.9	+006.0	+006.1	+006.2
33.1250	+006.3	+006.5	+006.5	+006.5	+006.6
33.7500	+006.5	+006.6	+006.7	+006.7	+006.6
34.3750	+006.6	+006.7	+006.6	+006.5	+006.4
35.0000	+006.3	+006.2	+006.1	+006.1	+006.0
35.6250	+005.9	+005.7	+005.7	+005.5	+005.5
36.2500	+005.5	+005.4	+005.4	+005.4	+005.6
36.8750	+005.8	+005.8	+005.9	+006.2	+006.4

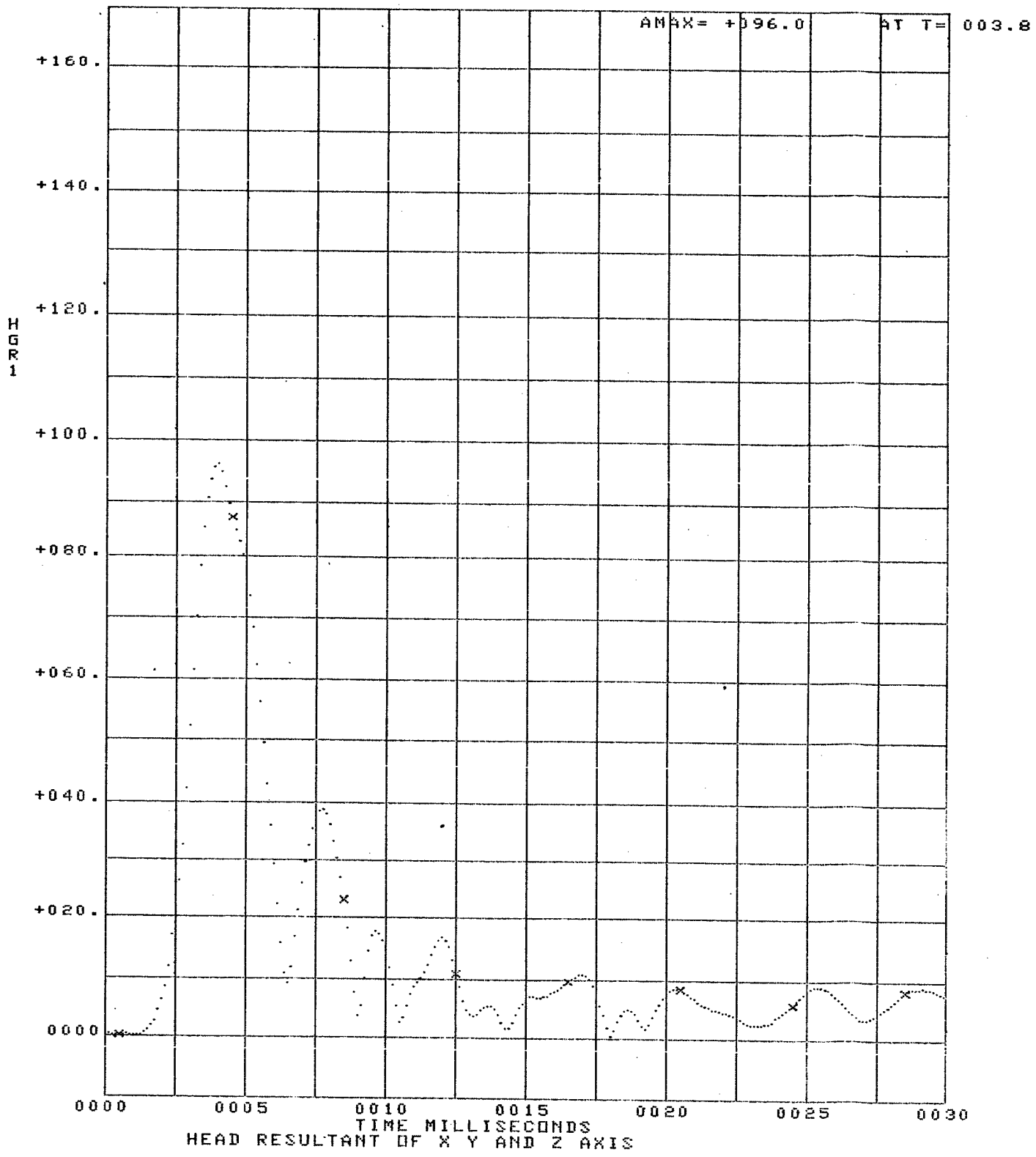
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H102		
37.5000	+006.6	+006.8	+007.0	+007.2	+007.2	
38.1250	+007.3	+007.4	+007.4	+007.4	+007.2	
38.7500	+007.1	+006.9	+006.7	+006.6	+006.5	
39.3750	+006.3	+006.3	+006.0	+006.0	+006.0	
40.0000	+006.0	+005.9	+005.9	+005.9	+005.9	
40.6250	+005.9	+006.1	+006.1	+006.1	+006.4	
41.2500	+006.4	+006.5	+006.6	+006.6	+006.6	
41.8750	+006.6	+006.6	+006.7	+006.6	+006.6	
42.5000	+006.7	+006.7	+006.8	+006.7	+006.8	
43.1250	+006.9	+006.9	+006.9	+006.7	+006.6	
43.7500	+006.5	+006.3	+006.3	+006.1	+006.0	
44.3750	+006.0	+005.8	+005.8	+005.8	+005.8	
45.0000	+005.8	+005.8	+005.8	+005.8	+005.8	
45.6250	+005.8	+005.8	+005.9	+005.9	+006.0	
46.2500	+006.0	+006.0	+006.0	+006.0	+006.0	
46.8750	+006.0	+006.0	+006.0	+006.0	+005.9	
47.5000	+005.9	+005.8	+005.8	+005.7	+005.7	
48.1250	+005.5	+005.5	+005.4	+005.4	+005.3	
48.7500	+005.3	+005.2	+005.2	+005.2	+005.2	
49.3750	+005.3	+005.3	+005.3	+005.3	+005.3	
50.0000	+005.3	+005.4	+005.4	+005.4	+005.4	
50.6250	+005.4	+005.4	+005.4	+005.4	+005.4	
51.2500	+005.4	+005.4	+005.4	+005.3	+005.3	
51.8750	+005.2	+005.2	+005.2	+005.2	+005.2	
52.5000	+005.1	+005.2	+005.1	+005.1	+005.1	
53.1250	+005.1	+005.1	+005.1	+005.1	+005.1	
53.7500	+005.0	+005.0	+005.0	+005.1	+005.1	
54.3750	+005.1	+005.1	+005.1	+005.2	+005.2	
55.0000	+005.1	+005.1	+005.1	+005.1	+005.1	
55.6250	+005.0	+005.0	+005.0	+004.8	+004.6	
56.2500	+004.5	+004.2	+004.1	+003.9	+003.8	
56.8750	+003.8	+003.8	+003.9	+003.9	+003.7	
57.5000	+003.2	+003.0	+002.5	+002.0	+001.5	
58.1250	+001.2	+000.9	+000.6	+000.3	+000.2	
58.7500	+000.3	+000.4	+000.6	+000.9	+001.2	
59.3750	+001.5	+001.8	+002.2	+002.5	+313.4	

AMAX= +095.5 AT T=004.5


Head Impact
Dummy No. 32, Run No. 3
+200.
+160.
+120.
+080.
+040.
0000
-040.
-080.
-120.
-160.
HGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGX1


HEAD IMPACT
TEST H103
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1


HEAD IMPACT
TEST H103
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
-100.
HGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGZ1

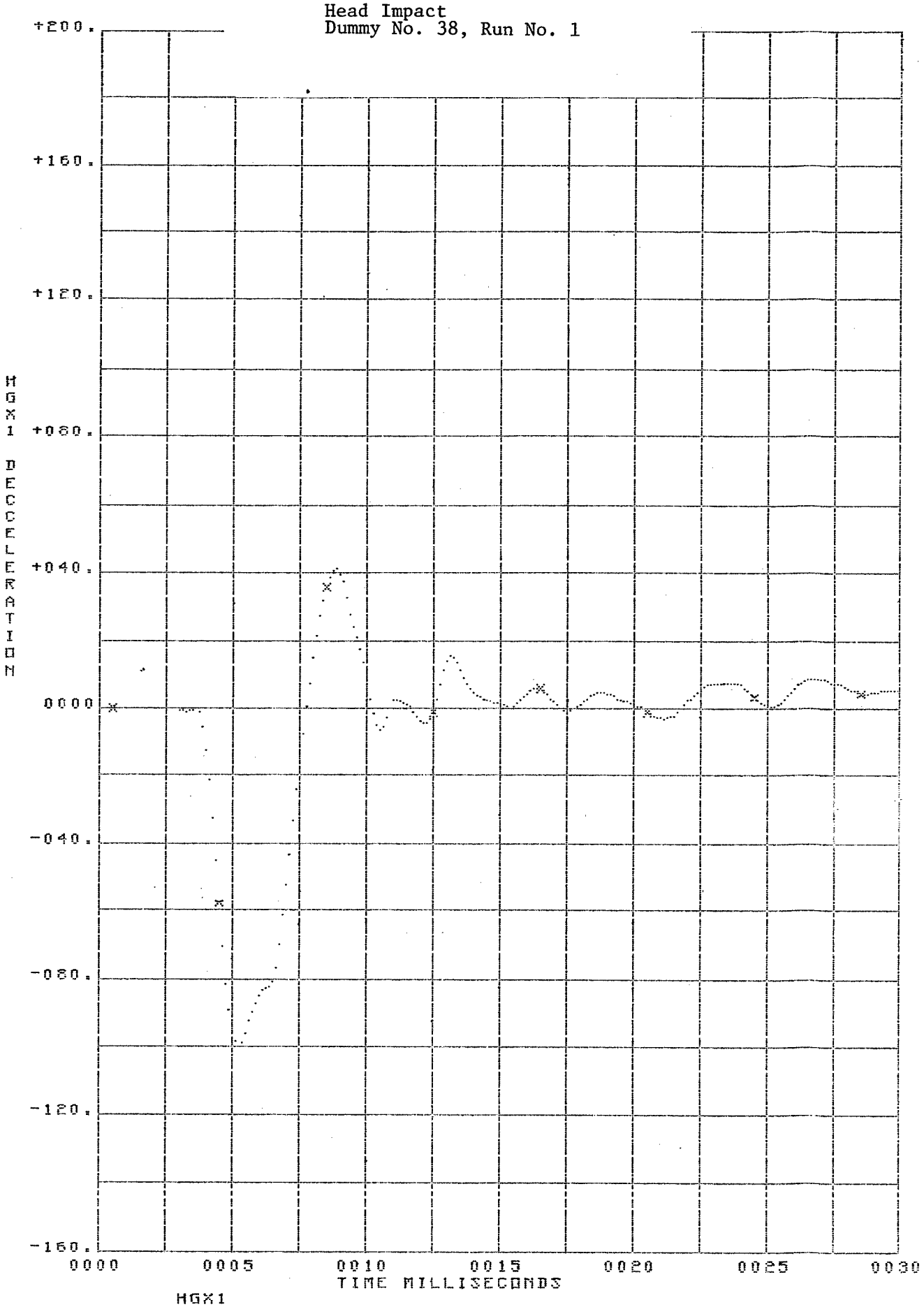

HEAD IMPACT
TEST H103
AMAX= +096.0
AT T= 003.8
+160.
+140.
+120.
+100.
+080.
+060.
+040.
+020.
0000
HGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

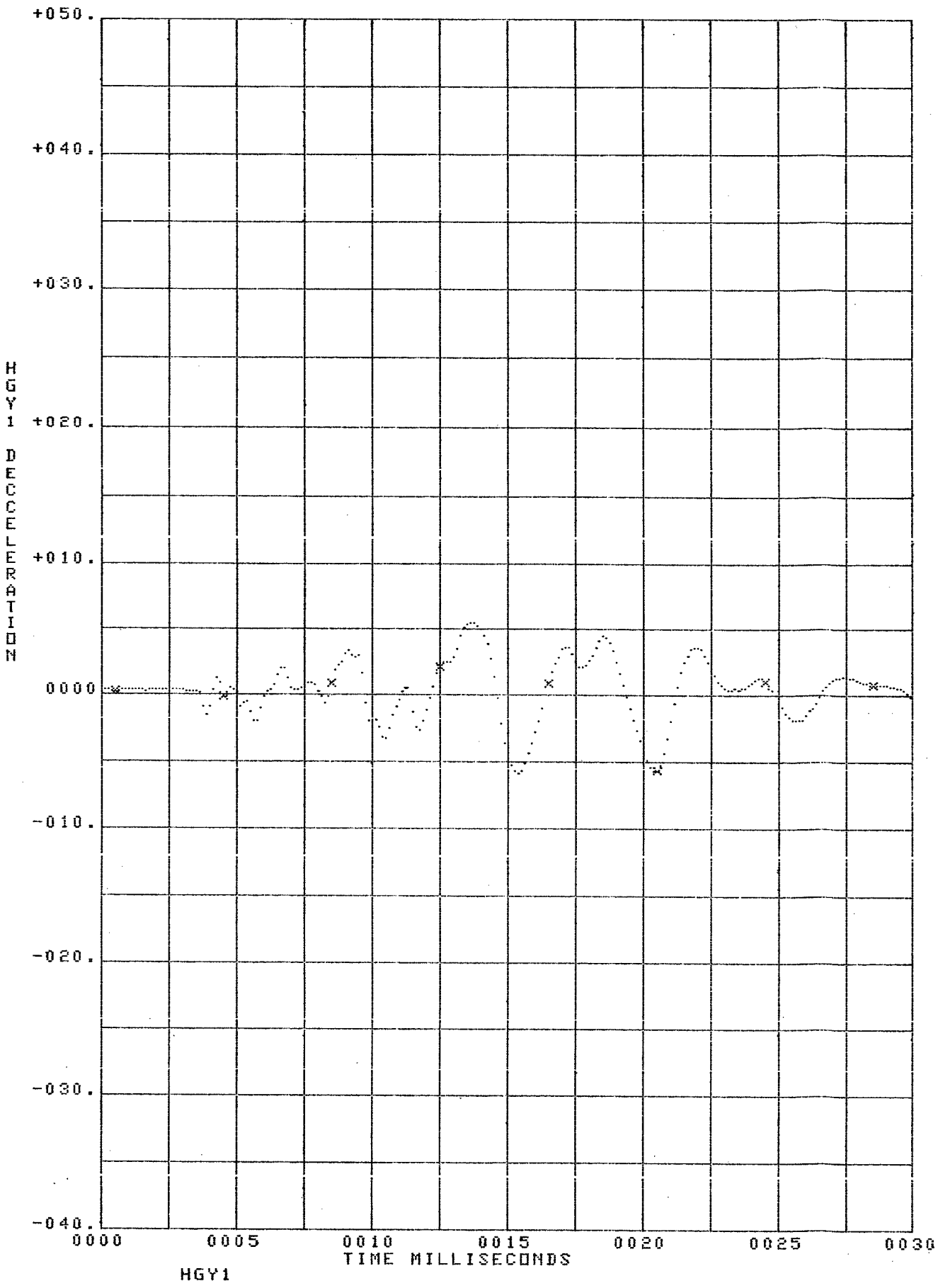
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H103

TIME					
0.0000	+000.1	+000.0	+000.0	+000.0	+000.0
0.6250	+000.1	+000.0	+000.0	+000.0	+000.0
1.2500	+000.3	+000.8	+001.5	+002.5	+004.1
1.8750	+006.1	+008.3	+011.6	+016.5	+021.5
2.5000	+026.0	+032.6	+041.8	+051.8	+061.0
3.1250	+069.9	+078.2	+085.2	+090.5	+093.9
3.7500	+095.7	+096.0	+094.8	+092.4	+089.6
4.3750	+087.1	+084.8	+082.5	+079.9	+077.0
5.0000	+073.2	+068.2	+062.2	+055.21	+049.0
5.6250	+042.6	+035.9	+028.9	+022.0	+015.5
6.2500	+010.5	+009.0	+011.8	+016.3	+020.9
6.8750	+025.3	+029.3	+032.7	+035.4	+037.5
7.5000	+038.4	+038.5	+037.8	+036.0	+033.2
8.1250	+030.1	+026.6	+022.5	+017.8	+012.6
8.7500	+007.5	+003.5	+005.1	+010.0	+014.2
9.3750	+016.7	+017.5	+017.0	+015.8	+013.9
10.0000	+011.5	+008.6	+005.3	+002.5	+003.1
10.6250	+005.3	+007.2	+008.3	+009.1	+009.9
11.2500	+010.9	+012.2	+013.7	+015.0	+015.9
11.8750	+016.4	+016.0	+014.8	+013.0	+010.6
12.5000	+008.3	+006.1	+004.5	+003.6	+003.4
13.1250	+003.7	+004.3	+004.9	+005.3	+005.1
13.7500	+004.6	+003.7	+002.5	+001.4	+001.4
14.3750	+002.4	+003.7	+004.9	+005.8	+006.4
15.0000	+006.8	+006.9	+006.7	+006.7	+006.8
15.6250	+007.0	+007.3	+007.7	+008.0	+008.4
16.2500	+008.8	+009.4	+009.7	+010.2	+010.5
16.8750	+010.6	+010.4	+009.8	+008.7	+007.2
17.5000	+005.5	+003.6	+001.8	+000.1	+001.3
18.1250	+002.7	+003.6	+004.3	+004.6	+004.4
18.7500	+003.9	+002.9	+001.9	+001.4	+002.1
19.3750	+003.3	+004.6	+005.7	+006.6	+007.5
20.0000	+007.9	+008.1	+008.2	+008.1	+007.8
20.6250	+007.4	+006.9	+006.5	+006.1	+005.7
21.2500	+005.5	+005.1	+004.8	+004.6	+004.3
21.8750	+004.1	+004.1	+003.9	+003.7	+003.4
22.5000	+003.1	+002.7	+002.4	+002.2	+002.2
23.1250	+002.2	+002.3	+002.4	+002.5	+002.8
23.7500	+003.3	+003.7	+004.2	+004.6	+005.1
24.3750	+005.7	+006.3	+006.9	+007.4	+008.0
25.0000	+008.4	+008.6	+008.8	+008.7	+008.5
25.6250	+008.2	+007.8	+007.2	+006.7	+006.1
26.2500	+005.4	+004.7	+004.1	+003.7	+003.3
26.8750	+003.1	+003.1	+003.3	+003.6	+003.9
27.5000	+004.4	+005.0	+005.5	+006.0	+006.5
28.1250	+006.9	+007.4	+007.9	+008.2	+008.3
28.7500	+008.4	+008.5	+008.6	+008.5	+008.4
29.3750	+008.1	+007.9	+007.7	+007.5	+007.3
30.0000	+007.1	+006.9	+006.8	+006.5	+006.3
30.6250	+006.2	+006.1	+005.9	+005.9	+005.9
31.2500	+005.9	+005.9	+006.0	+006.0	+006.0
31.8750	+006.1	+006.1	+006.3	+006.4	+006.5
32.5000	+006.5	+006.6	+006.9	+007.0	+007.0
33.1250	+007.1	+007.0	+007.1	+007.2	+007.2
33.7500	+007.1	+007.1	+007.0	+007.0	+006.9
34.3750	+006.6	+006.5	+006.4	+006.2	+006.0
35.0000	+005.9	+005.7	+005.6	+005.5	+005.5
35.6250	+005.4	+005.4	+005.4	+005.5	+005.7
36.2500	+005.7	+005.8	+006.0	+006.1	+006.2
36.8750	+006.3	+006.5	+006.6	+006.7	+006.8

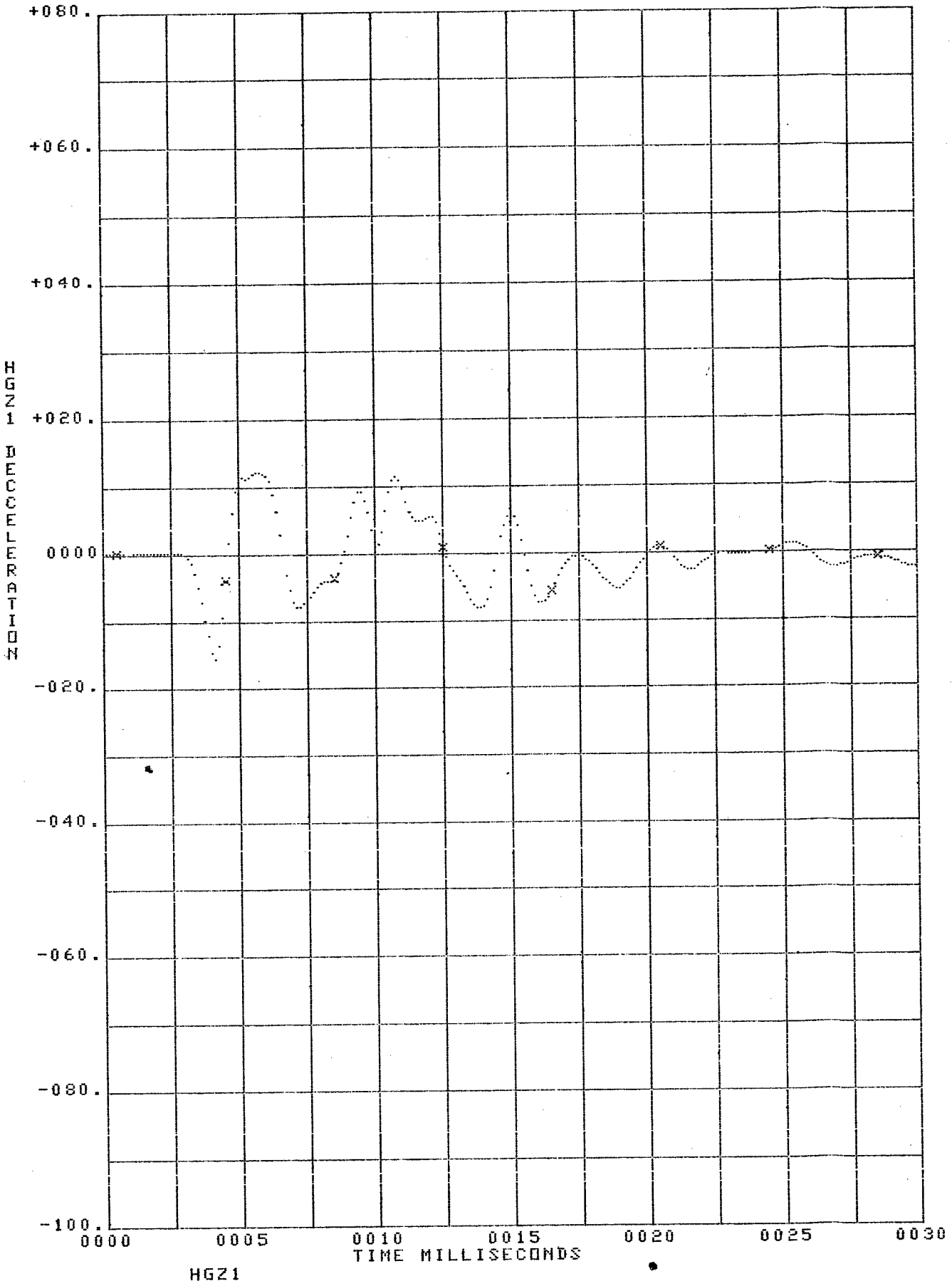
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H103		
37.5000	+006.8	+006.9	+006.9	+006.9	+006.8	
38.1250	+006.6	+006.5	+006.4	+006.3	+006.2	
38.7500	+006.1	+005.8	+005.8	+005.8	+005.8	
39.3750	+005.8	+005.7	+005.7	+005.7	+005.7	
40.0000	+005.7	+005.8	+005.8	+005.8	+006.0	
40.6250	+006.2	+006.2	+006.3	+006.3	+006.3	
41.2500	+006.5	+006.5	+006.5	+006.5	+006.5	
41.8750	+006.3	+006.3	+006.3	+006.2	+006.1	
42.5000	+006.1	+005.9	+005.7	+005.8	+005.8	
43.1250	+005.7	+005.6	+005.5	+005.5	+005.4	
43.7500	+005.3	+005.3	+005.2	+005.2	+005.2	
44.3750	+005.2	+005.2	+005.2	+005.4	+005.4	
45.0000	+005.6	+005.6	+005.7	+005.8	+005.8	
45.6250	+005.8	+006.0	+006.1	+006.1	+006.1	
46.2500	+006.1	+006.1	+006.0	+006.0	+006.0	
46.8750	+005.8	+005.8	+005.8	+005.7	+005.6	
47.5000	+005.5	+005.4	+005.4	+005.4	+005.3	
48.1250	+005.3	+005.3	+005.3	+005.3	+005.3	
48.7500	+005.3	+005.4	+005.5	+005.4	+005.5	
49.3750	+005.5	+005.6	+005.7	+005.7	+005.7	
50.0000	+005.6	+005.6	+005.6	+005.6	+005.5	
50.6250	+005.6	+005.6	+005.5	+005.5	+005.4	
51.2500	+005.3	+005.3	+005.3	+005.3	+005.3	
51.8750	+005.1	+005.2	+005.1	+005.0	+005.1	
52.5000	+005.1	+005.1	+005.0	+005.0	+005.0	
53.1250	+005.0	+005.0	+005.0	+005.0	+005.1	
53.7500	+005.0	+005.0	+005.0	+005.0	+005.0	
54.3750	+005.0	+005.0	+004.9	+004.9	+005.0	
55.0000	+005.0	+004.9	+004.8	+004.7	+004.7	
55.6250	+004.7	+004.7	+004.6	+004.6	+004.6	
56.2500	+004.5	+004.5	+004.3	+004.1	+003.9	
56.8750	+003.6	+003.4	+003.1	+002.8	+002.8	
57.5000	+002.5	+002.3	+002.1	+001.9	+001.8	
58.1250	+001.6	+001.4	+001.2	+001.1	+001.0	
58.7500	+000.9	+000.7	+000.7	+000.7	+000.7	
59.3750	+001.0	+001.1	+001.5	+001.9	+313.4	

AMAX= +096.0 AT T=003.8

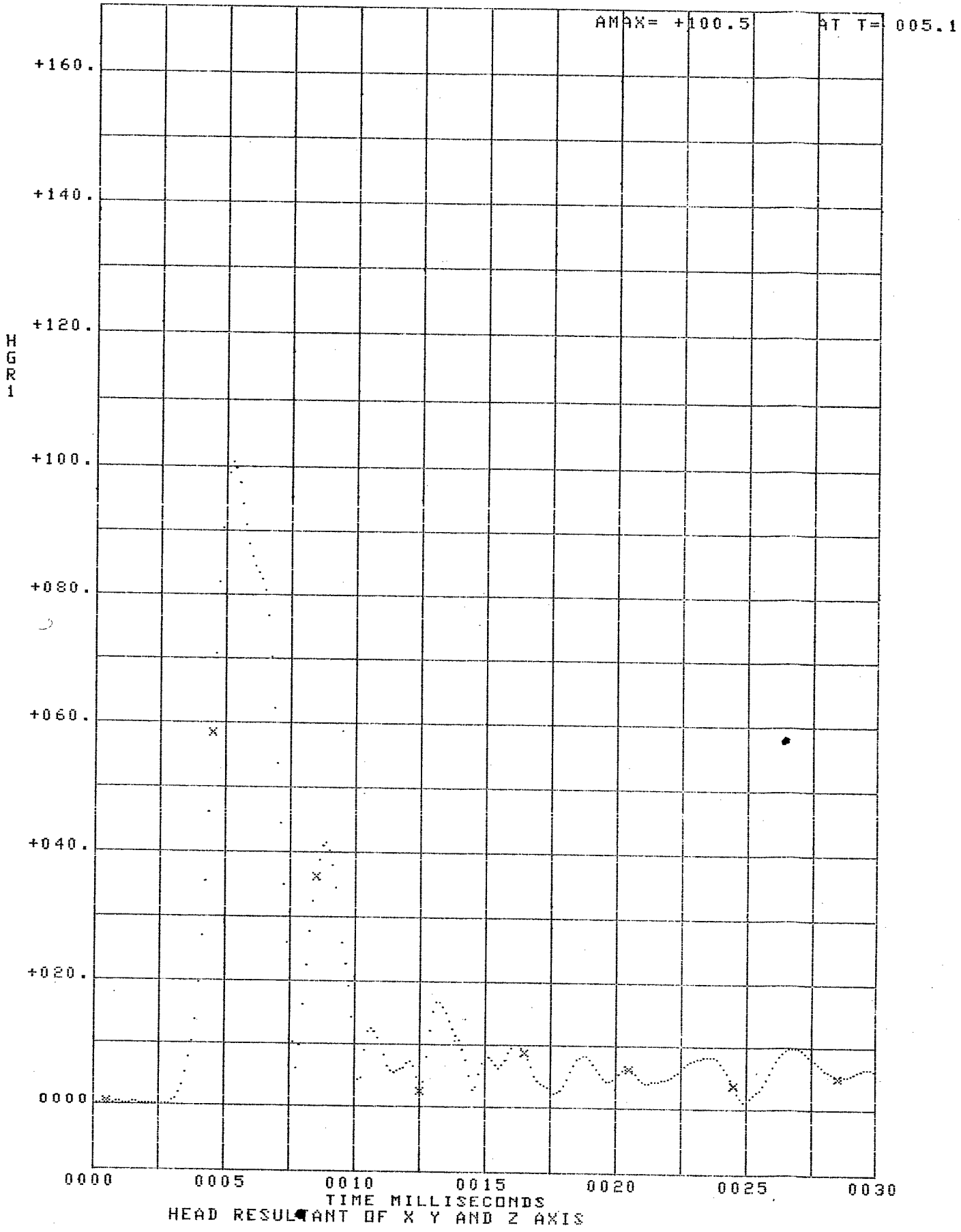

Head Impact
Dummy No. 38, Run No. 1
+200.
+160.
+120.
+080.
+040.
0000
-040.
-080.
-120.
-160.
HGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGX1


HEAD IMPACT
TEST H101
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1

HEAD IMPACT
TEST H101



HEAD IMPACT
TEST H101



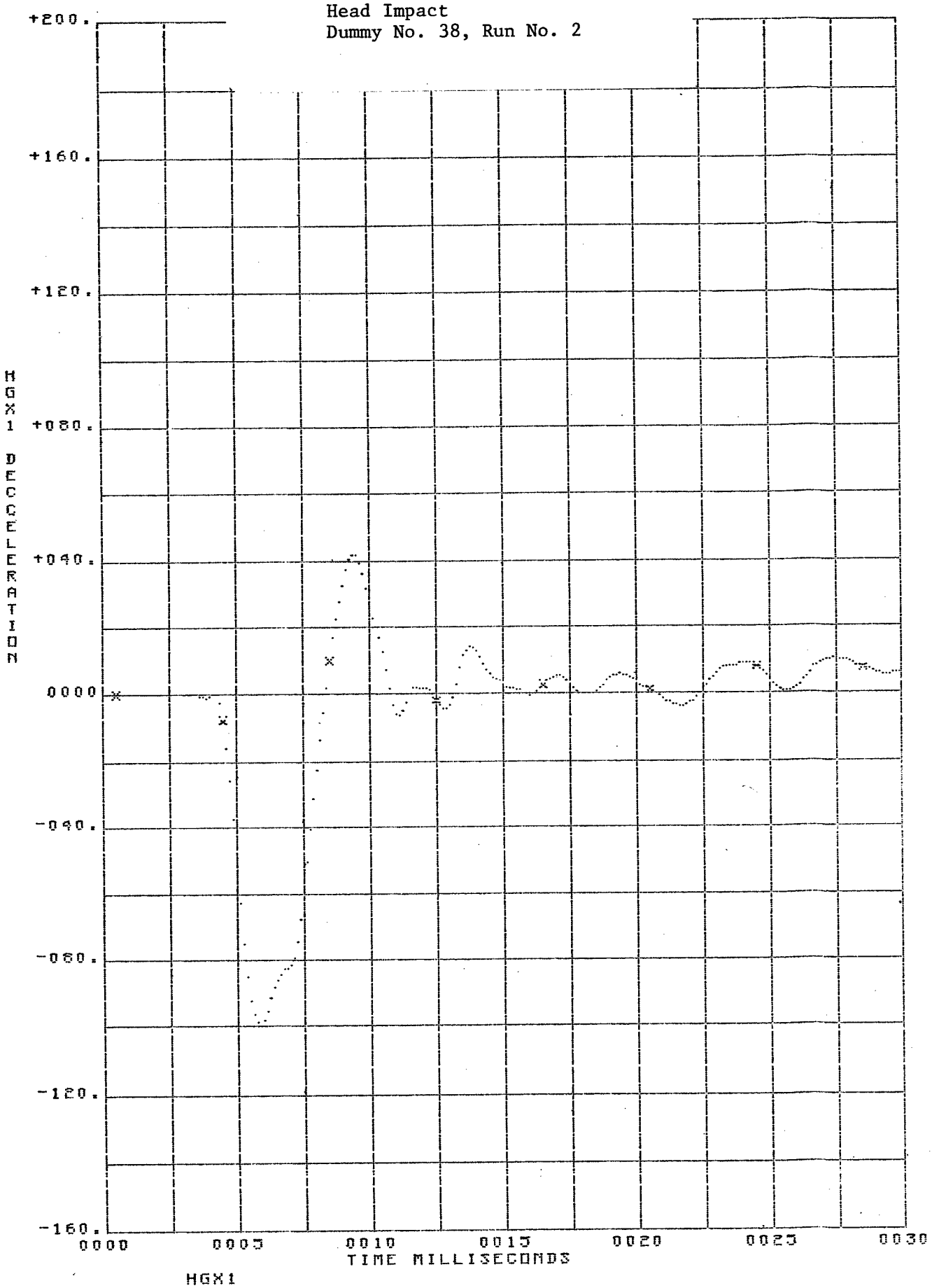
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H101

TIME					
0.0000	+000.0	+000.0	+000.1	+000.1	+000.1
0.6250	+000.0	+000.1	+000.1	+000.0	+000.0
1.2500	+000.0	+000.1	+000.1	+000.0	+000.0
1.8750	+000.0	+000.0	+000.0	+000.0	+000.0
2.5000	+000.0	+000.0	+000.0	+000.3	+000.8
3.1250	+001.6	+003.0	+004.9	+007.3	+010.0
3.7500	+013.5	+019.3	+026.6	+035.2	+045.8
4.3750	+058.0	+070.5	+081.8	+090.2	+095.8
5.0000	+098.9	+100.5	+099.7	+097.5	+094.0
5.6250	+090.8	+087.8	+085.8	+084.3	+083.3
6.2500	+082.3	+080.5	+076.5	+070.0	+061.9
6.8750	+053.2	+044.1	+034.6	+025.6	+017.2
7.5000	+009.8	+005.7	+009.5	+015.8	+022.0
8.1250	+027.4	+032.0	+035.7	+038.6	+040.5
8.7500	+041.1	+039.9	+037.6	+034.0	+029.7
9.3750	+025.7	+022.3	+018.7	+014.0	+008.6
10.0000	+003.9	+004.2	+008.6	+011.6	+013.2
10.6250	+011.5	+010.6	+009.6	+007.8	+006.2
11.2500	+005.3	+005.1	+005.5	+005.6	+006.0
11.8750	+006.5	+006.9	+006.1	+004.4	+002.1
12.5000	+003.6	+007.7	+011.8	+014.8	+016.2
13.1250	+016.3	+015.7	+014.5	+013.3	+012.2
13.7500	+011.3	+010.4	+009.0	+007.2	+004.8
14.3750	+002.5	+002.8	+004.9	+006.7	+007.6
15.0000	+007.5	+007.1	+006.4	+006.0	+006.3
15.6250	+007.2	+008.4	+009.2	+009.6	+009.6
16.2500	+009.1	+008.4	+007.4	+006.1	+004.7
16.8750	+003.9	+003.5	+003.3	+002.8	+002.2
17.5000	+001.9	+002.1	+002.3	+003.2	+004.2
18.1250	+005.4	+006.5	+007.3	+007.8	+008.0
18.7500	+007.9	+007.5	+006.7	+006.0	+005.1
19.3750	+004.3	+003.9	+003.9	+004.2	+004.7
20.0000	+005.2	+005.6	+006.0	+006.0	+005.7
20.6250	+005.1	+004.5	+003.9	+003.7	+003.7
21.2500	+003.9	+003.9	+003.9	+004.0	+004.1
21.8750	+004.3	+004.7	+005.1	+005.5	+006.1
22.5000	+006.5	+006.9	+007.2	+007.4	+007.6
23.1250	+007.7	+007.9	+008.0	+008.0	+007.9
23.7500	+007.6	+006.9	+006.2	+005.3	+004.3
24.3750	+003.3	+002.3	+001.4	+000.9	+001.0
25.0000	+001.5	+001.9	+002.3	+002.8	+003.5
25.6250	+004.4	+005.4	+006.5	+007.3	+008.2
26.2500	+008.8	+009.1	+009.4	+009.5	+009.4
26.8750	+009.3	+009.1	+008.7	+008.3	+007.9
27.5000	+007.5	+007.0	+006.5	+006.0	+005.6
28.1250	+005.3	+005.0	+004.8	+004.7	+004.8
28.7500	+005.0	+005.2	+005.5	+005.7	+006.0
29.3750	+006.1	+006.2	+006.1	+006.0	+006.0
30.0000	+005.9	+006.0	+006.0	+006.1	+006.2
30.6250	+006.3	+006.5	+006.6	+006.7	+007.0
31.2500	+007.1	+007.2	+007.3	+007.3	+007.2
31.8750	+007.2	+007.2	+007.1	+006.9	+006.7
32.5000	+006.5	+006.3	+006.0	+005.8	+005.7
33.1250	+005.5	+005.4	+005.3	+005.2	+005.2
33.7500	+005.1	+005.1	+005.0	+005.0	+004.9
34.3750	+004.8	+004.7	+004.7	+004.6	+004.6
35.0000	+004.6	+004.6	+004.7	+004.8	+004.9
35.6250	+005.1	+005.3	+005.6	+005.7	+005.8
36.2500	+006.0	+006.1	+006.2	+006.1	+006.0
36.8750	+005.9	+005.7	+005.5	+005.2	+005.0

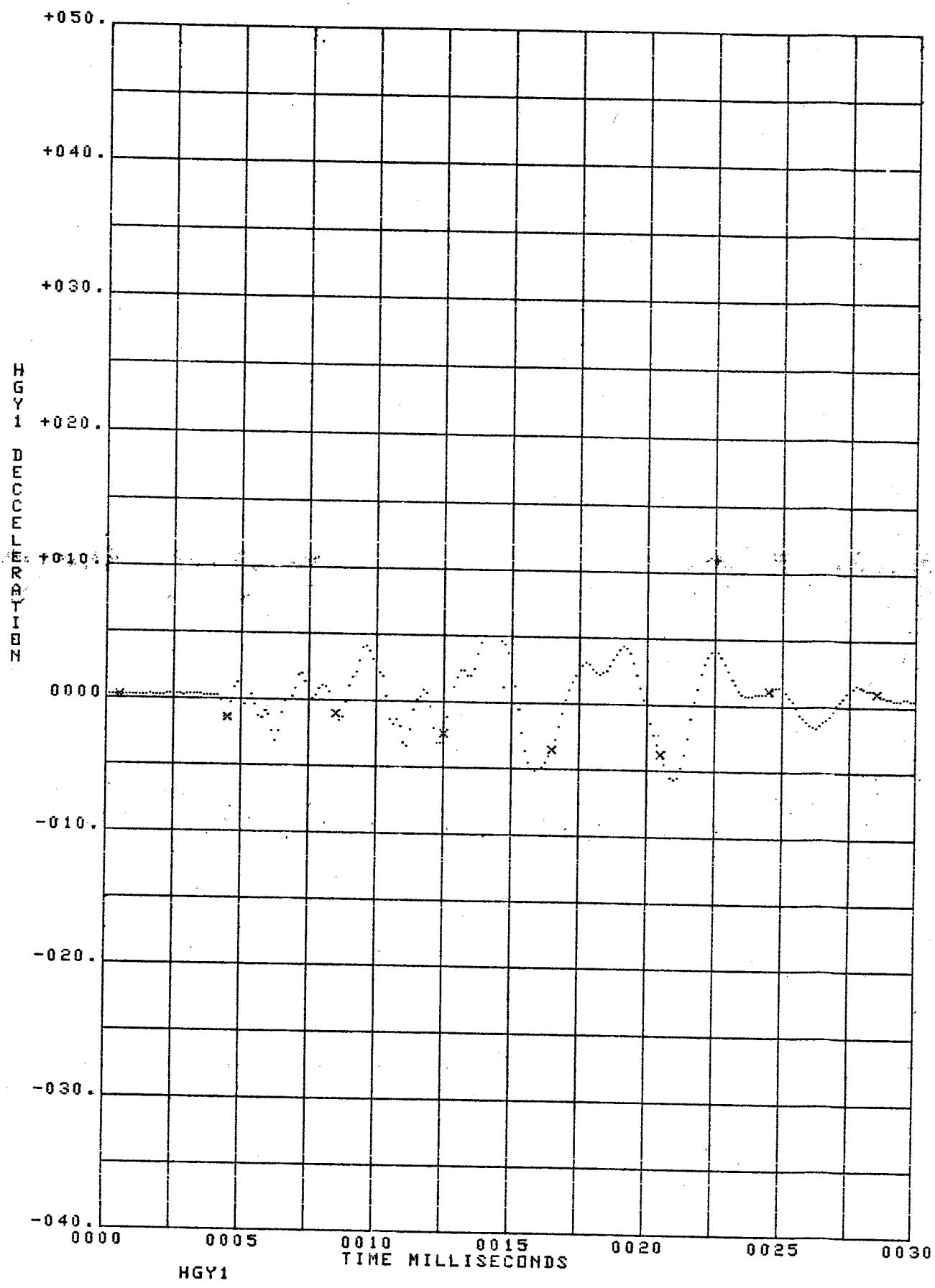
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H101		
37.5000	+004.8	+004.4	+004.3	+003.9	+003.8
38.1250	+003.6	+003.4	+003.3	+003.3	+003.3
38.7500	+003.2	+003.5	+003.7	+004.0	+004.0
39.3750	+004.2	+004.5	+004.7	+004.8	+005.0
40.0000	+005.2	+005.4	+005.6	+005.7	+005.9
40.6250	+006.1	+006.1	+006.1	+006.2	+006.2
41.2500	+006.2	+006.2	+006.2	+006.2	+006.0
41.8750	+006.0	+006.0	+005.8	+005.6	+005.6
42.5000	+005.5	+005.4	+005.4	+005.4	+005.4
43.1250	+005.4	+005.5	+005.7	+005.8	+005.8
43.7500	+006.0	+006.2	+006.3	+006.5	+006.6
44.3750	+006.8	+006.9	+007.0	+007.1	+007.2
45.0000	+007.2	+007.3	+007.4	+007.4	+007.4
45.6250	+007.3	+007.3	+007.2	+007.2	+007.1
46.2500	+007.0	+007.0	+006.9	+006.8	+006.7
46.8750	+006.6	+006.6	+006.5	+006.3	+006.3
47.5000	+006.4	+006.2	+006.2	+006.2	+006.2
48.1250	+006.2	+006.2	+006.3	+006.1	+006.3
48.7500	+006.3	+006.3	+006.4	+006.3	+006.3
49.3750	+006.3	+006.4	+006.4	+006.3	+006.3
50.0000	+006.3	+006.1	+006.1	+006.1	+006.0
50.6250	+005.8	+005.8	+005.7	+005.6	+005.5
51.2500	+005.3	+005.3	+005.1	+005.1	+005.1
51.8750	+004.9	+004.8	+004.8	+004.8	+004.8
52.5000	+004.8	+004.8	+004.8	+004.9	+004.9
53.1250	+005.0	+005.0	+005.0	+005.0	+005.0
53.7500	+005.0	+005.0	+005.0	+005.0	+005.0
54.3750	+005.0	+005.0	+005.0	+004.9	+004.9
55.0000	+004.7	+004.6	+004.6	+004.6	+004.6
55.6250	+004.5	+004.5	+004.3	+004.4	+004.4
56.2500	+004.4	+004.4	+004.4	+004.4	+004.4
56.8750	+004.4	+004.4	+004.5	+004.6	+004.6
57.5000	+004.7	+004.7	+004.8	+004.8	+004.7
58.1250	+004.8	+004.8	+004.8	+004.8	+004.8
58.7500	+004.8	+004.7	+004.6	+004.6	+004.5
59.3750	+004.5	+004.5	+004.4	+004.3	+313.4

AMAX= +100.5 AT T=005.1

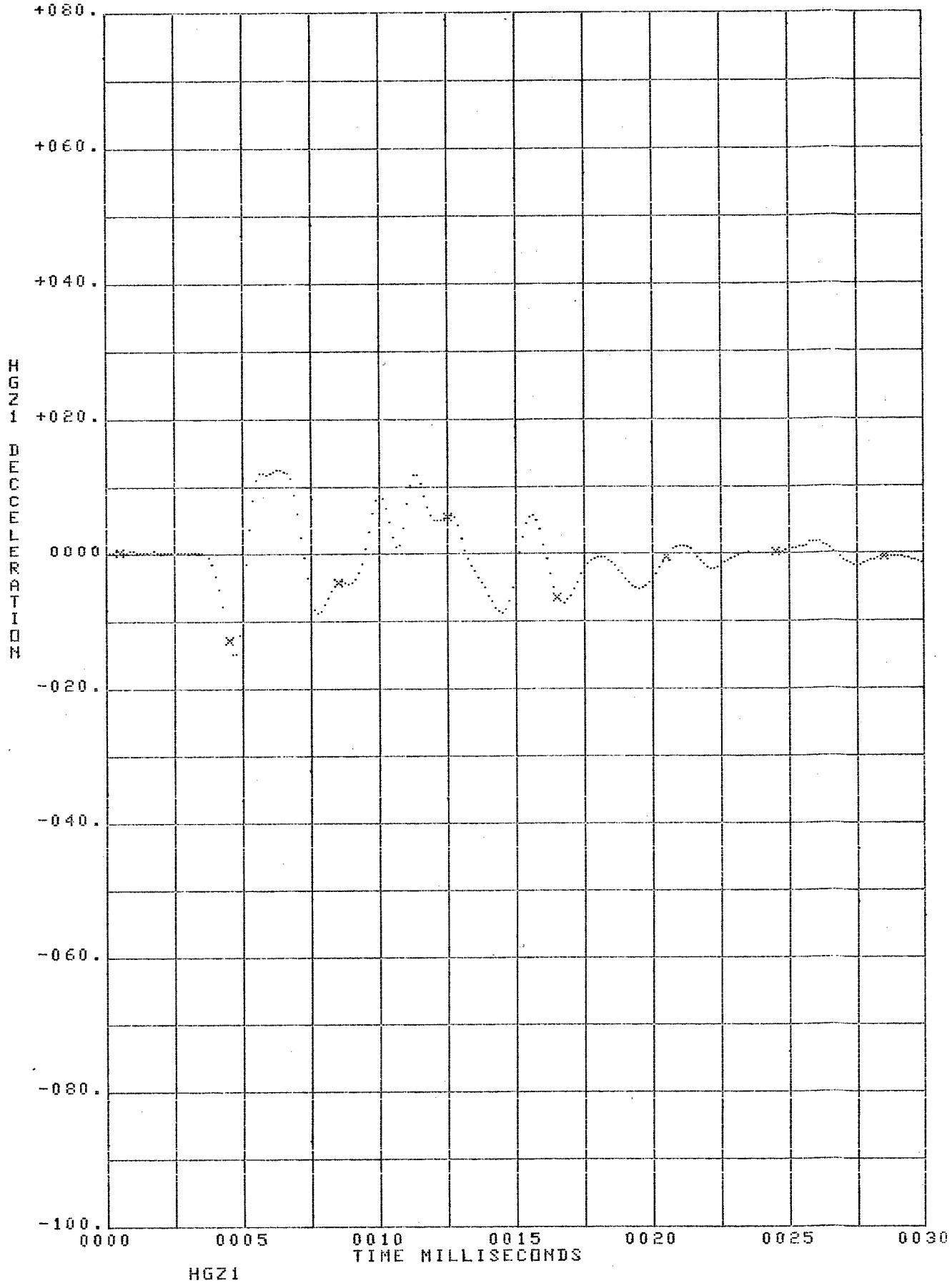
Head Impact
Dummy No. 38, Run No. 2



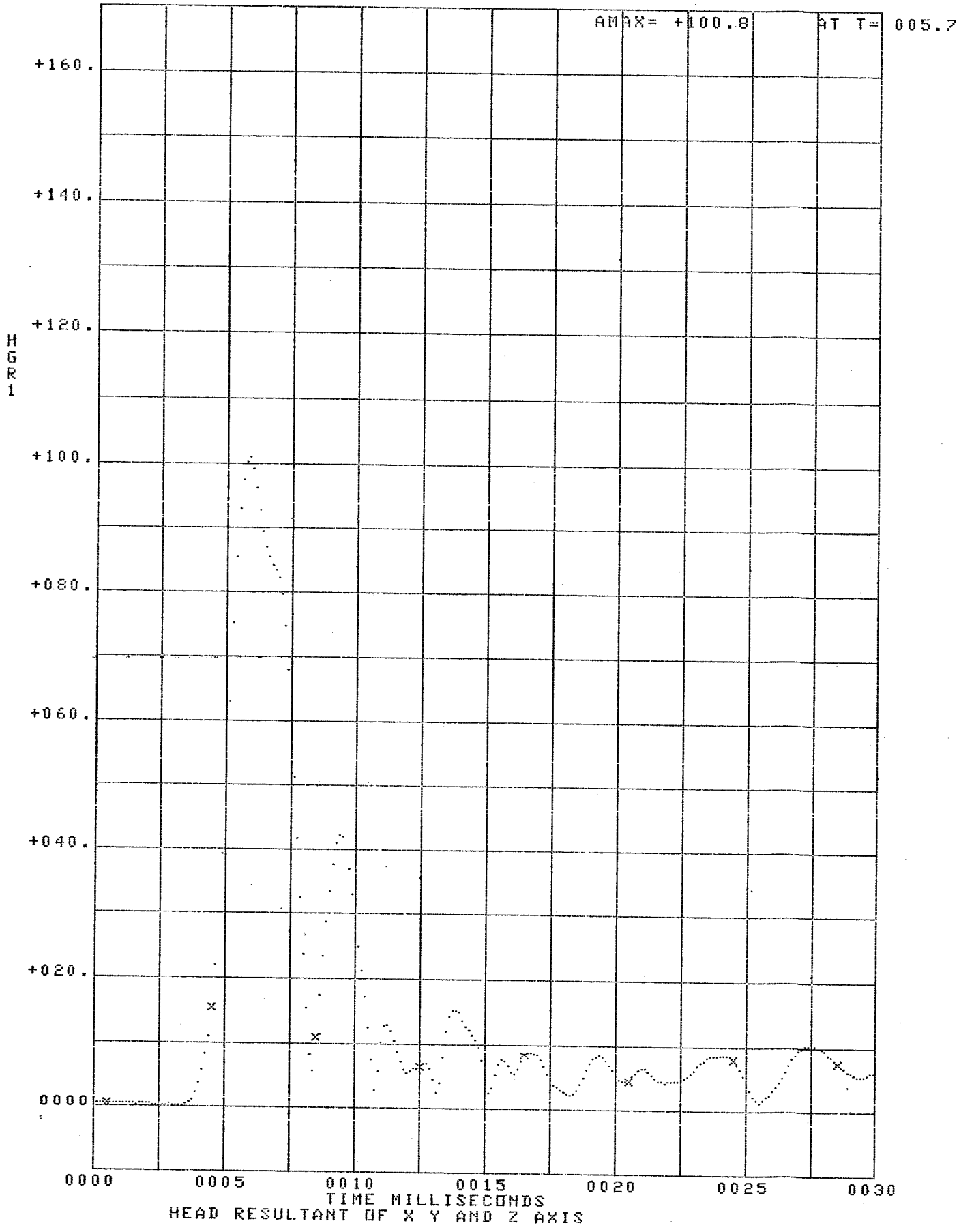
HEAD IMPACT
TEST H102



HEAD IMPACT
TEST H102



HEAD IMPACT
TEST H102



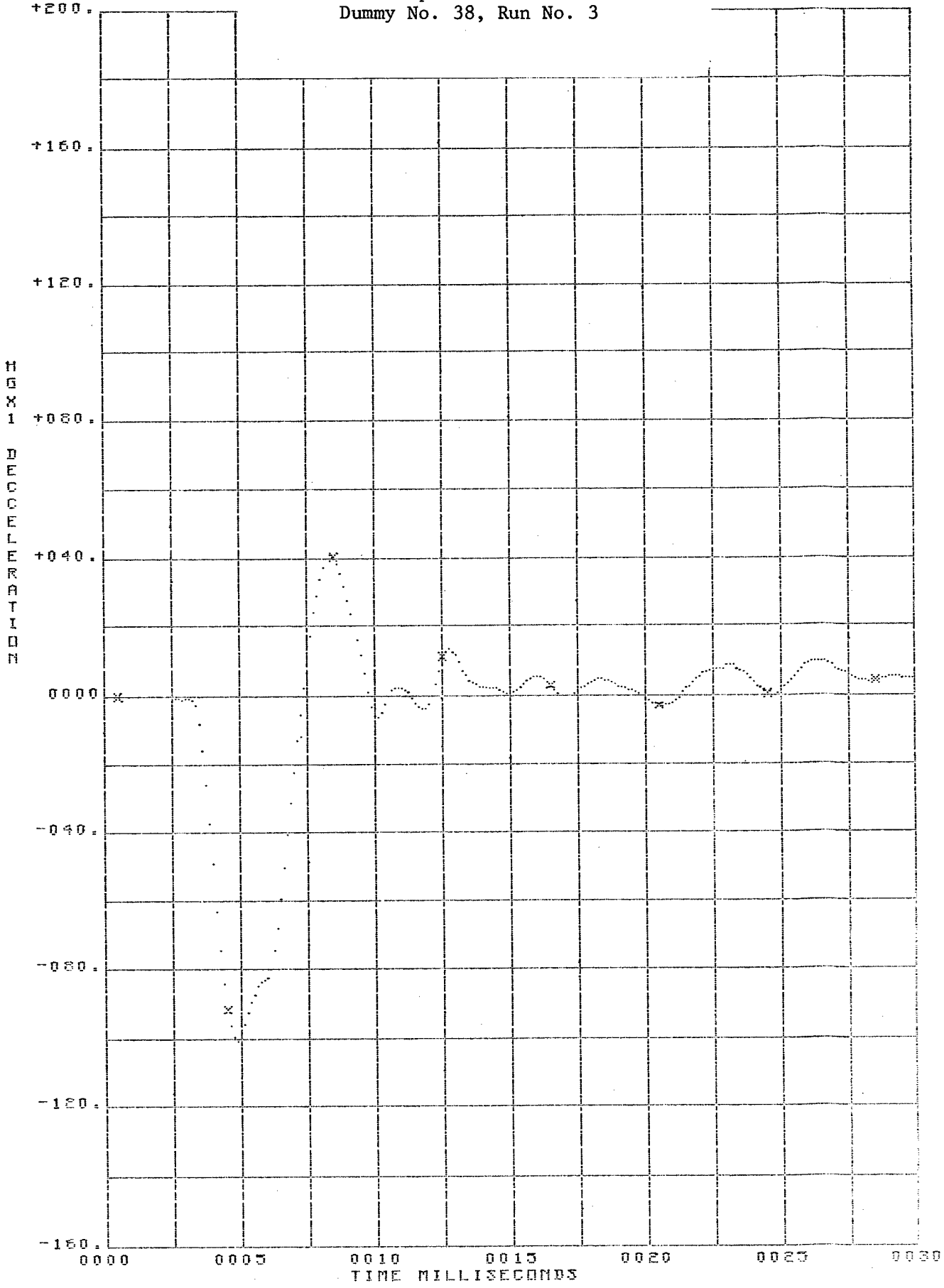
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H102

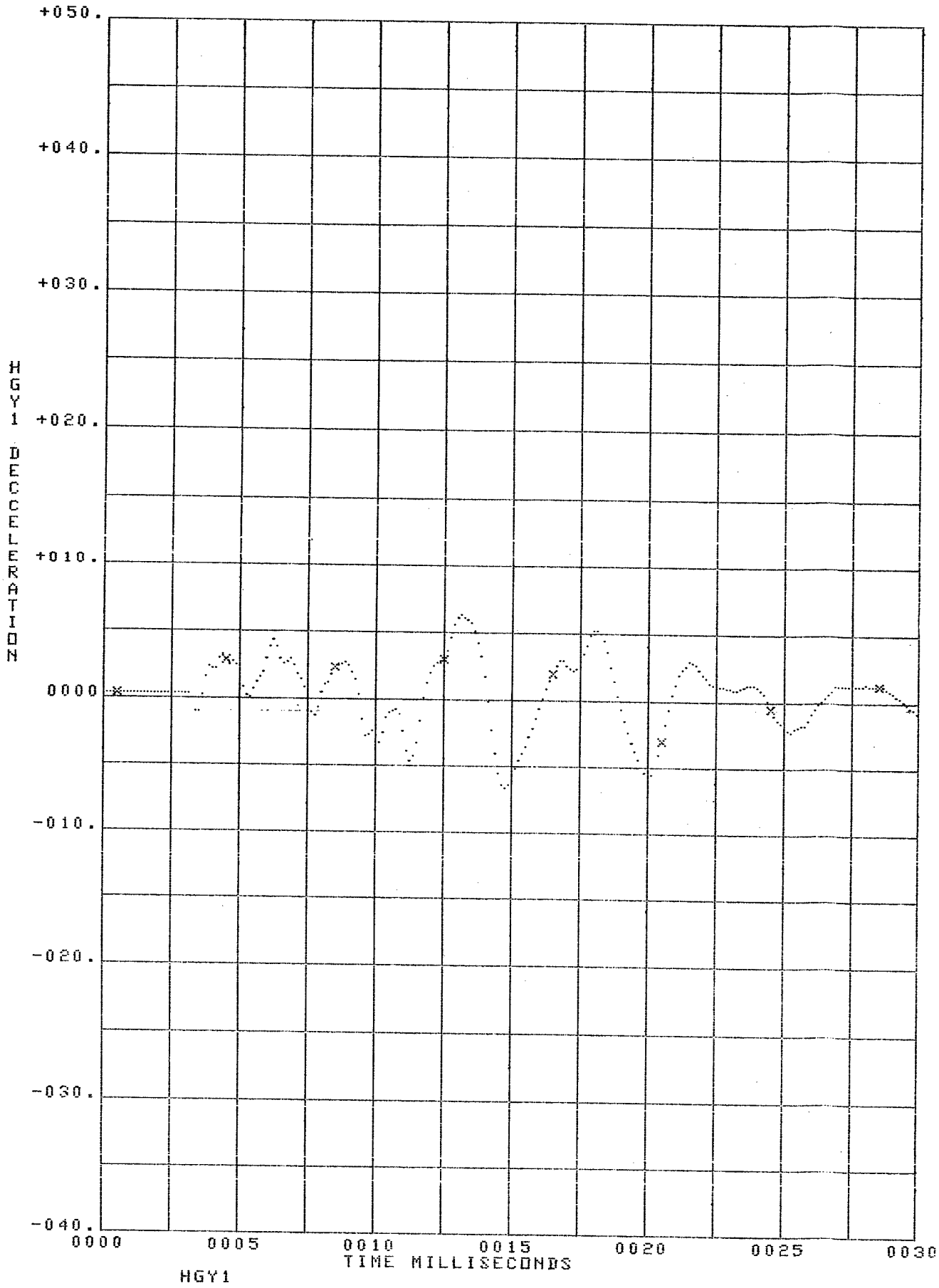
TIME					
0.0000	+000.1	+000.1	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.1
1.2500	+000.1	+000.1	+000.0	+000.1	+000.1
1.8750	+000.1	+000.1	+000.0	+000.0	+000.0
2.5000	+000.0	+000.0	+000.1	+000.0	+000.0
3.1250	+000.0	+000.0	+000.1	+000.3	+000.9
3.7500	+001.9	+003.5	+005.5	+007.9	+010.6
4.3750	+015.1	+021.7	+029.6	+038.9	+050.1
5.0000	+062.6	+075.1	+085.3	+092.7	+097.2
5.6250	+100.0	+100.8	+099.1	+096.1	+092.6
6.2500	+089.4	+086.9	+085.2	+084.0	+083.2
6.8750	+082.0	+079.4	+074.5	+067.8	+059.8
7.5000	+050.8	+041.4	+032.0	+023.3	+015.1
8.1250	+008.0	+005.3	+010.5	+017.2	+023.1
8.7500	+028.2	+033.0	+037.4	+040.5	+041.9
9.3750	+041.5	+039.7	+036.5	+032.7	+028.6
10.0000	+024.5	+020.8	+016.9	+012.2	+007.0
10.6250	+002.4	+005.3	+009.8	+012.3	+012.6
11.2500	+011.5	+010.2	+008.6	+007.0	+005.6
11.8750	+005.1	+005.4	+005.9	+006.0	+006.2
12.5000	+006.5	+006.7	+006.0	+004.2	+002.1
13.1250	+003.6	+007.7	+011.5	+013.9	+014.9
13.7500	+015.0	+014.5	+013.4	+012.5	+011.9
14.3750	+011.2	+010.4	+009.1	+007.1	+004.5
15.0000	+002.1	+002.8	+005.0	+006.6	+007.3
15.6250	+007.2	+006.4	+005.5	+005.2	+005.9
16.2500	+007.0	+008.1	+008.7	+008.8	+008.5
16.8750	+008.1	+007.4	+006.4	+005.2	+004.2
17.5000	+003.4	+003.1	+002.8	+002.4	+002.1
18.1250	+002.0	+002.2	+002.7	+003.6	+004.6
18.7500	+005.9	+006.9	+007.6	+008.0	+008.2
19.3750	+008.0	+007.4	+006.7	+006.0	+005.0
20.0000	+004.4	+004.0	+004.0	+004.3	+004.8
20.6250	+005.3	+005.8	+006.1	+006.1	+005.7
21.2500	+005.2	+004.6	+004.2	+004.0	+004.0
21.8750	+004.1	+004.1	+004.1	+004.2	+004.3
22.5000	+004.7	+005.0	+005.4	+005.9	+006.6
23.1250	+007.1	+007.5	+007.9	+008.1	+008.2
23.7500	+008.3	+008.4	+008.5	+008.4	+008.1
24.3750	+007.6	+006.9	+006.1	+005.1	+004.1
25.0000	+003.0	+002.0	+001.3	+001.0	+001.4
25.6250	+001.9	+002.3	+002.8	+003.4	+004.1
26.2500	+005.0	+005.8	+006.9	+007.9	+008.6
26.8750	+009.1	+009.4	+009.8	+010.0	+010.0
27.5000	+009.9	+009.7	+009.5	+009.1	+008.8
28.1250	+008.3	+007.8	+007.2	+006.7	+006.4
28.7500	+005.9	+005.6	+005.3	+005.2	+005.2
29.3750	+005.2	+005.4	+005.6	+005.8	+005.8
30.0000	+006.1	+006.0	+005.9	+005.8	+005.7
30.6250	+005.6	+005.6	+005.7	+005.8	+006.0
31.2500	+006.3	+006.5	+006.6	+006.7	+007.0
31.8750	+007.2	+007.3	+007.5	+007.5	+007.4
32.5000	+007.4	+007.4	+007.2	+007.1	+006.8
33.1250	+006.7	+006.5	+006.2	+005.9	+005.8
33.7500	+005.5	+005.4	+005.1	+005.0	+004.9
34.3750	+004.8	+004.7	+004.6	+004.6	+004.6
35.0000	+004.6	+004.6	+004.6	+004.6	+004.5
35.6250	+004.6	+004.7	+004.8	+004.9	+005.1
36.2500	+005.3	+005.5	+005.6	+006.0	+006.2
36.8750	+006.2	+006.2	+006.2	+006.2	+006.1

ESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H102		
37.5000	+006.0	+005.7	+005.5	+005.2	+004.9	
38.1250	+004.5	+004.3	+003.9	+003.7	+003.6	
38.7500	+003.3	+003.2	+003.2	+003.2	+003.3	
39.3750	+003.5	+003.6	+003.8	+004.0	+004.3	
40.0000	+004.6	+004.8	+005.0	+005.2	+005.4	
40.6250	+005.6	+005.6	+005.8	+005.8	+006.0	
41.2500	+006.0	+006.1	+006.1	+006.2	+006.1	
41.8750	+006.1	+006.1	+006.1	+006.0	+005.8	
42.5000	+006.0	+006.0	+005.8	+005.8	+005.7	
43.1250	+005.5	+005.5	+005.5	+005.5	+005.4	
43.7500	+005.4	+005.5	+005.5	+005.6	+005.7	
44.3750	+006.0	+006.0	+006.1	+006.3	+006.3	
45.0000	+006.5	+006.7	+006.8	+007.0	+007.0	
45.6250	+007.1	+007.2	+007.2	+007.2	+007.2	
46.2500	+007.2	+007.1	+007.0	+007.0	+007.0	
46.8750	+006.9	+006.8	+006.7	+006.6	+006.4	
47.5000	+006.4	+006.3	+006.1	+006.1	+006.0	
48.1250	+006.0	+006.0	+005.9	+005.9	+005.9	
48.7500	+005.9	+005.9	+006.1	+006.1	+006.2	
49.3750	+006.2	+006.4	+006.4	+006.5	+006.5	
50.0000	+006.5	+006.5	+006.5	+006.5	+006.4	
50.6250	+006.4	+006.2	+006.2	+006.0	+006.0	
51.2500	+005.7	+005.7	+005.6	+005.5	+005.4	
51.8750	+005.2	+005.2	+005.1	+005.1	+005.0	
52.5000	+005.0	+005.0	+004.9	+004.9	+004.9	
53.1250	+004.8	+004.9	+004.9	+005.0	+005.0	
53.7500	+005.0	+005.1	+005.0	+005.1	+005.1	
54.3750	+005.1	+005.1	+005.1	+005.1	+005.1	
55.0000	+005.1	+005.0	+004.9	+004.9	+004.9	
55.6250	+004.8	+004.8	+004.7	+004.7	+004.6	
56.2500	+004.5	+004.5	+004.5	+004.3	+004.3	
56.8750	+004.3	+004.3	+004.3	+004.3	+004.3	
57.5000	+004.5	+004.5	+004.5	+004.5	+004.5	
58.1250	+004.6	+004.6	+004.7	+004.7	+004.7	
58.7500	+004.8	+004.8	+004.9	+004.8	+004.8	
59.3750	+004.8	+004.9	+004.8	+004.8	+313.4	

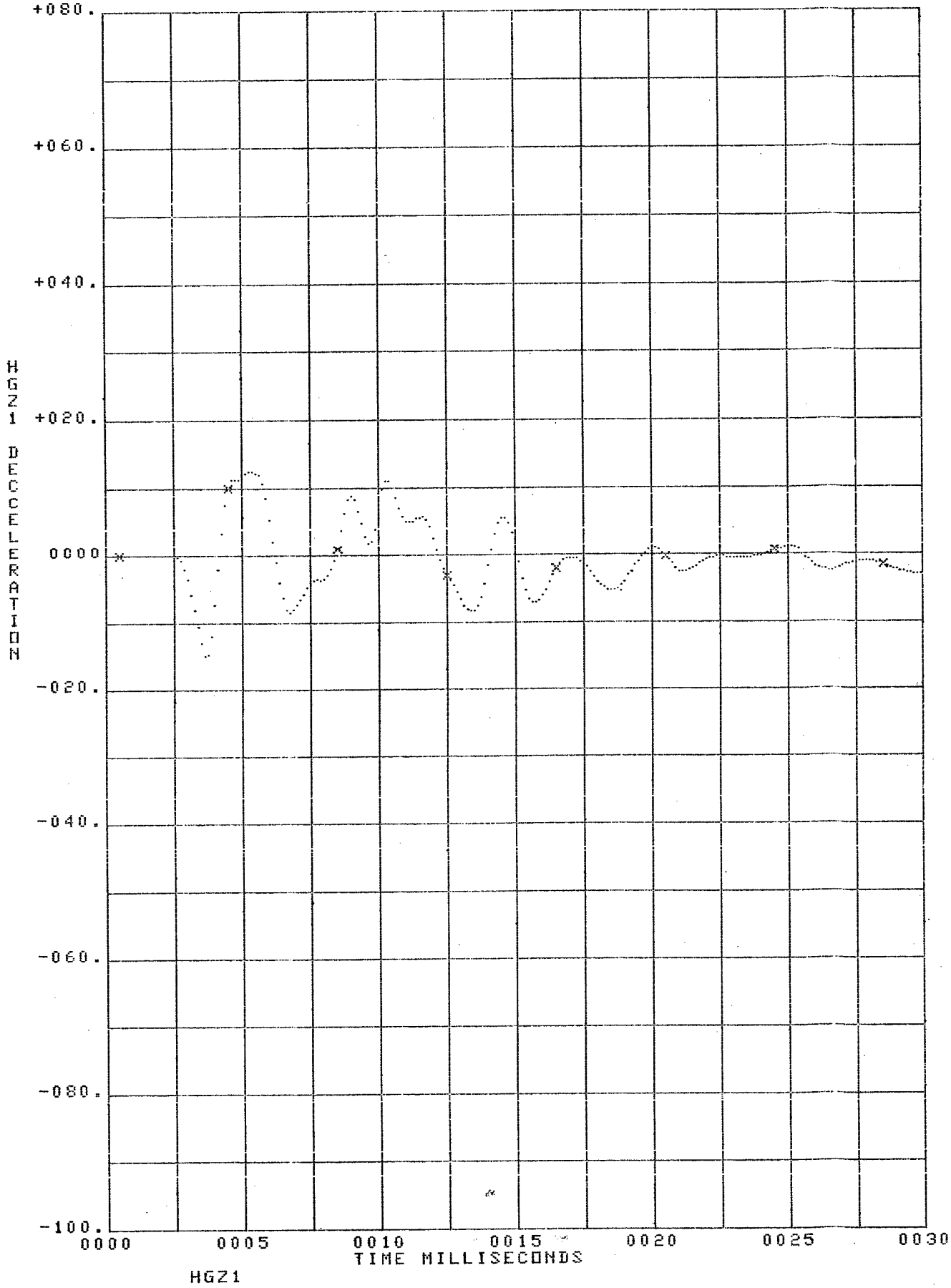
AMAX= +100.8 AT T=005.7

Head Impact
Dummy No. 38, Run No. 3

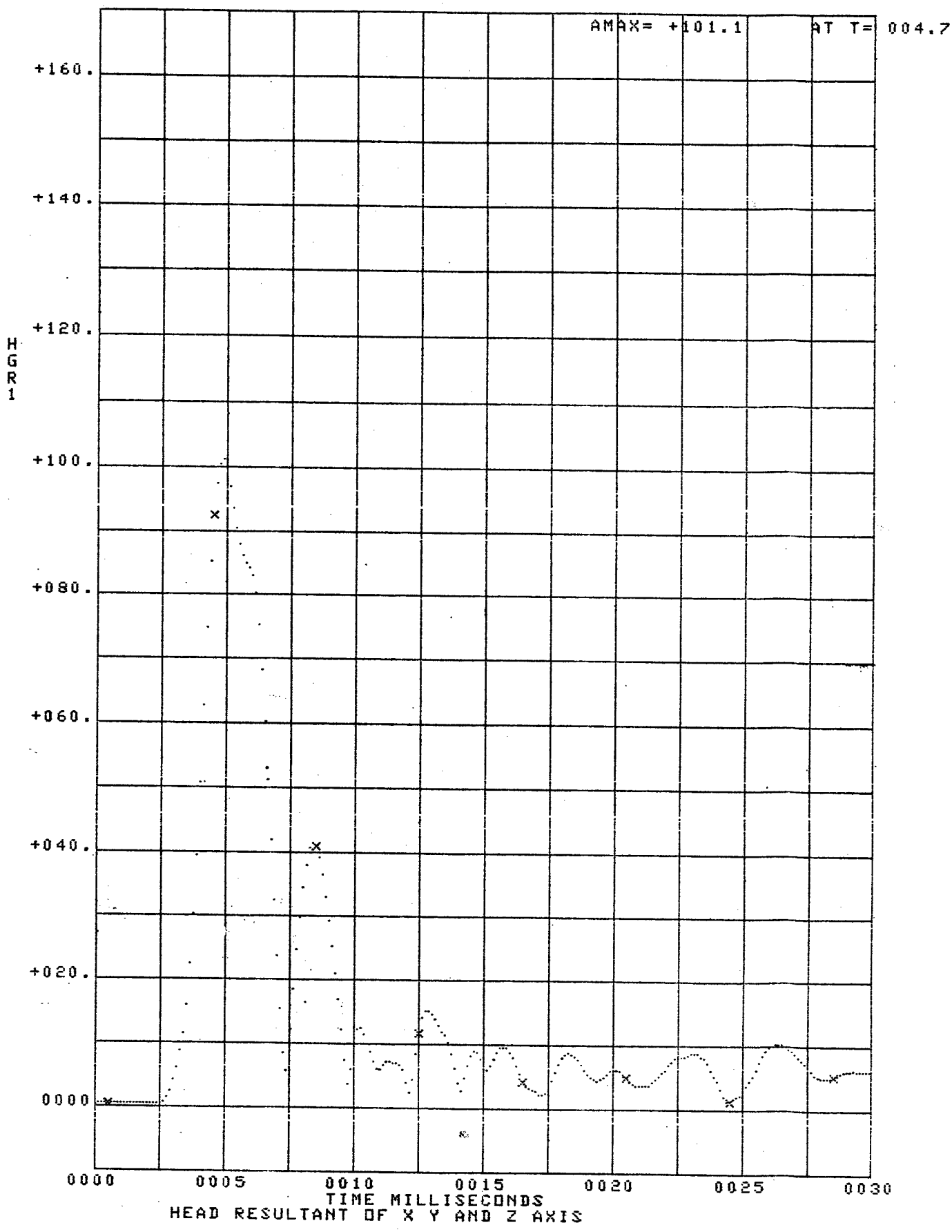



HEAD IMPACT
TEST H103
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1

HEAD IMPACT
TEST H103



HEAD IMPACT
TEST H103



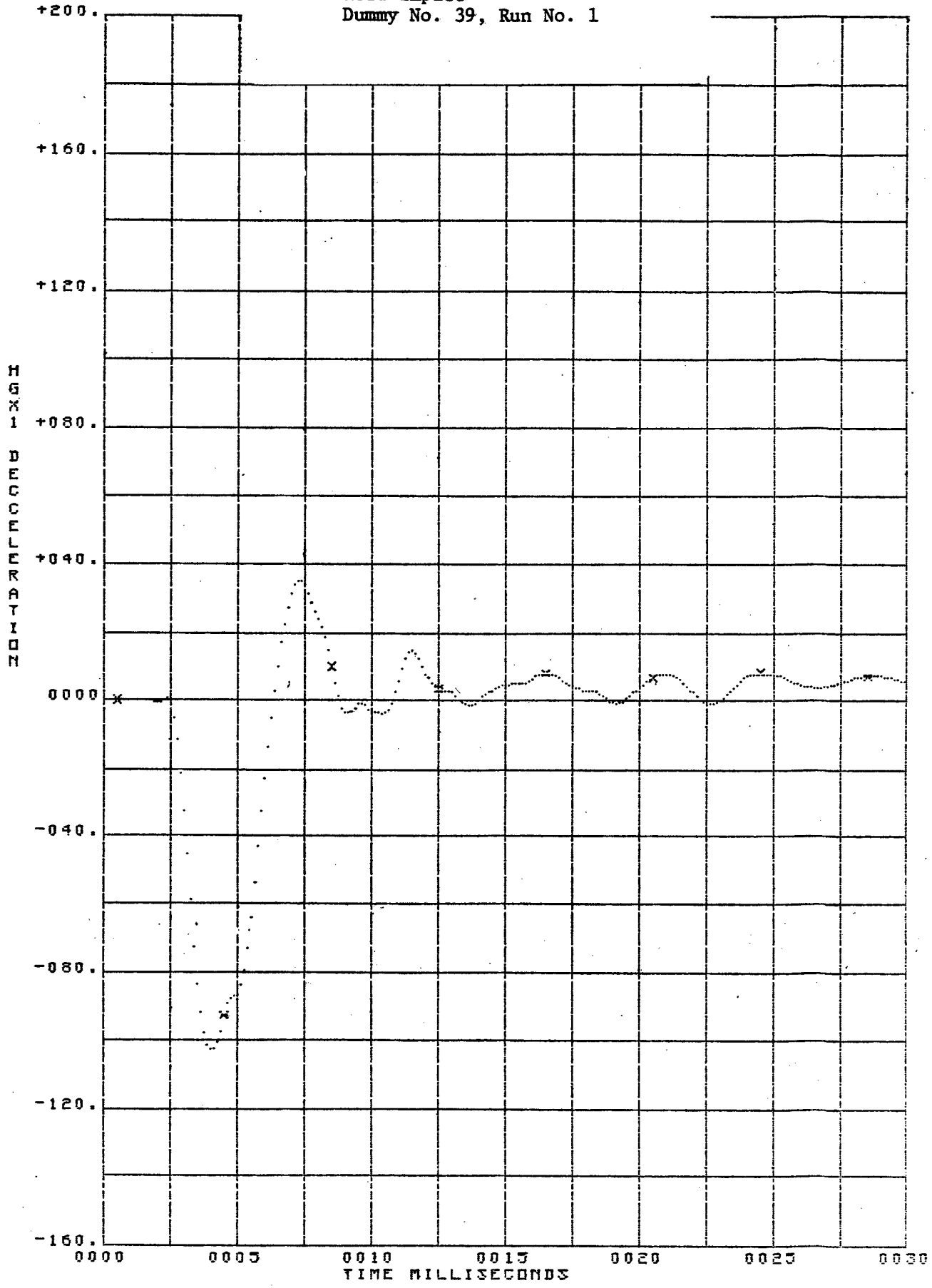
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H103

TIME					
0.0000	+000.2	+000.2	+000.2	+000.2	+000.2
0.6250	+000.2	+000.2	+000.2	+000.2	+000.2
1.2500	+000.2	+000.2	+000.2	+000.2	+000.2
1.8750	+000.2	+000.2	+000.2	+000.2	+000.3
2.5000	+000.5	+001.2	+002.3	+003.9	+005.9
3.1250	+008.3	+011.2	+015.6	+022.0	+029.8
3.7500	+039.0	+050.2	+062.3	+074.6	+084.9
4.3750	+092.3	+097.4	+100.4	+101.1	+099.7
5.0000	+096.9	+093.5	+090.3	+087.7	+086.0
5.6250	+084.9	+084.1	+082.8	+079.9	+074.9
6.2500	+068.0	+060.0	+051.1	+041.5	+032.1
6.8750	+023.3	+015.2	+008.1	+005.5	+011.0
7.5000	+018.1	+024.3	+029.5	+033.9	+037.6
8.1250	+040.3	+041.1	+040.5	+038.9	+036.1
8.7500	+032.5	+028.9	+024.9	+020.7	+016.7
9.3750	+012.0	+007.2	+003.5	+005.7	+009.7
10.0000	+012.0	+012.2	+011.2	+009.7	+008.3
10.6250	+006.9	+005.9	+005.7	+006.5	+007.0
11.2500	+006.8	+006.6	+006.6	+006.5	+005.6
11.8750	+003.7	+002.1	+004.2	+008.1	+011.5
12.5000	+013.9	+014.8	+014.8	+014.3	+013.6
13.1250	+012.6	+011.8	+011.1	+010.0	+008.3
13.7500	+006.1	+003.6	+002.4	+004.3	+006.5
14.3750	+008.0	+008.6	+008.3	+007.3	+006.1
15.0000	+005.7	+006.3	+007.5	+008.5	+009.0
15.6250	+009.3	+009.0	+008.5	+007.8	+006.5
16.2500	+005.2	+003.9	+003.1	+002.8	+002.7
16.8750	+002.3	+002.1	+002.0	+002.3	+003.0
17.5000	+004.1	+005.4	+006.6	+007.6	+008.2
18.1250	+008.3	+008.3	+007.9	+007.3	+006.7
18.7500	+005.9	+005.1	+004.6	+004.3	+004.2
19.3750	+004.4	+004.7	+005.3	+005.6	+005.9
20.0000	+005.9	+005.7	+005.0	+004.5	+004.0
20.6250	+003.6	+003.5	+003.5	+003.5	+003.4
21.2500	+003.5	+004.0	+004.4	+005.0	+005.4
21.8750	+006.0	+006.6	+007.1	+007.5	+007.7
22.5000	+007.8	+007.9	+008.1	+008.3	+008.3
23.1250	+008.3	+008.0	+007.5	+006.9	+006.0
23.7500	+005.0	+004.1	+002.8	+001.8	+001.0
24.3750	+001.0	+001.4	+001.8	+002.1	+002.5
25.0000	+003.4	+004.2	+005.0	+006.1	+007.0
25.6250	+008.1	+008.9	+009.3	+009.6	+009.8
26.2500	+010.0	+009.8	+009.6	+009.2	+008.8
26.8750	+008.4	+007.9	+007.4	+006.9	+006.4
27.5000	+005.9	+005.3	+004.9	+004.7	+004.6
28.1250	+004.5	+004.6	+004.9	+005.2	+005.5
28.7500	+005.7	+005.9	+006.0	+006.1	+006.0
29.3750	+006.0	+006.0	+006.0	+005.9	+005.9
30.0000	+006.1	+006.2	+006.3	+006.5	+006.6
30.6250	+006.7	+006.9	+006.8	+007.0	+007.2
31.2500	+007.4	+007.3	+007.3	+007.1	+007.1
31.8750	+006.9	+006.8	+006.5	+006.5	+006.3
32.5000	+006.1	+005.8	+005.7	+005.5	+005.5
33.1250	+005.4	+005.3	+005.4	+005.2	+005.1
33.7500	+005.0	+004.9	+004.9	+004.9	+004.9
34.3750	+004.8	+004.7	+004.7	+004.7	+004.8
35.0000	+004.9	+005.0	+005.2	+005.4	+005.6
35.6250	+005.8	+005.8	+006.1	+006.1	+006.1
36.2500	+006.2	+006.2	+006.0	+005.7	+005.6
36.8750	+005.3	+005.0	+004.6	+004.3	+004.0

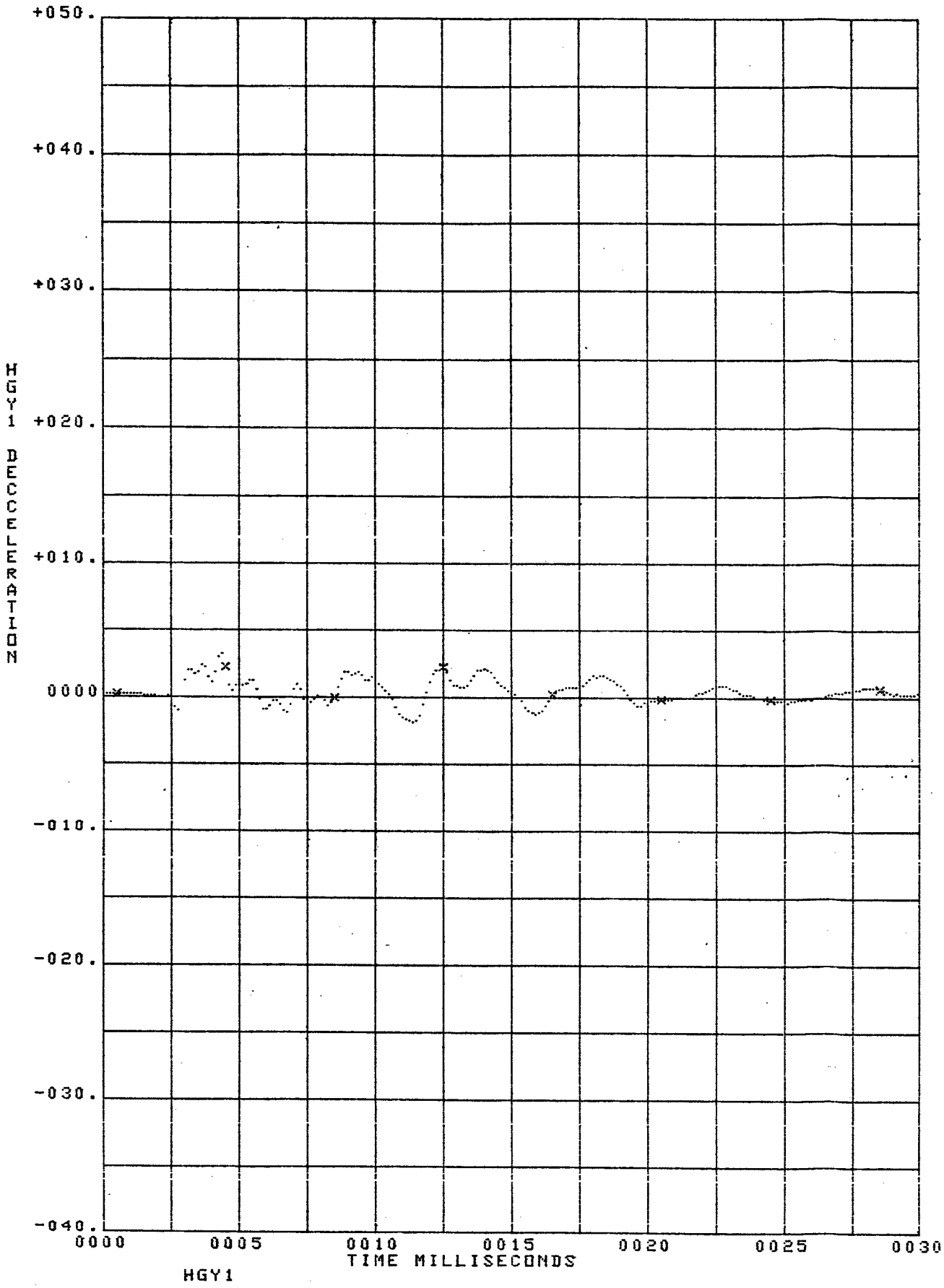
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H103		
37.5000	+003.7	+003.5	+003.2	+002.9	+002.9	
38.1250	+002.7	+002.8	+002.9	+003.1	+003.2	
38.7500	+003.6	+003.9	+004.1	+004.5	+004.9	
39.3750	+005.2	+005.5	+005.9	+006.1	+006.4	
40.0000	+006.6	+006.7	+006.9	+006.9	+006.9	
40.6250	+006.8	+006.7	+006.5	+006.4	+006.3	
41.2500	+006.0	+006.0	+005.8	+005.7	+005.5	
41.8750	+005.4	+005.3	+005.3	+005.3	+005.4	
42.5000	+005.4	+005.5	+005.6	+005.8	+005.8	
43.1250	+006.0	+006.3	+006.3	+006.5	+006.7	
43.7500	+006.9	+006.9	+007.0	+007.1	+007.1	
44.3750	+007.1	+007.1	+007.1	+007.2	+007.1	
45.0000	+007.1	+007.0	+007.0	+006.9	+006.9	
45.6250	+006.9	+006.9	+006.8	+006.7	+006.7	
46.2500	+006.7	+006.7	+006.5	+006.5	+006.5	
46.8750	+006.4	+006.6	+006.5	+006.3	+006.3	
47.5000	+006.3	+006.3	+006.3	+006.3	+006.4	
48.1250	+006.4	+006.4	+006.4	+006.3	+006.3	
48.7500	+006.6	+006.5	+006.6	+006.5	+006.5	
49.3750	+006.5	+006.5	+006.5	+006.3	+006.3	
50.0000	+006.2	+006.1	+006.0	+005.9	+005.8	
50.6250	+005.7	+005.6	+005.4	+005.4	+005.2	
51.2500	+005.2	+005.0	+005.0	+004.9	+004.9	
51.8750	+004.9	+004.9	+005.0	+005.0	+005.0	
52.5000	+005.0	+005.2	+005.2	+005.3	+005.4	
53.1250	+005.4	+005.4	+005.4	+005.4	+005.4	
53.7500	+005.4	+005.4	+005.3	+005.3	+005.2	
54.3750	+005.0	+005.0	+004.9	+004.8	+004.8	
55.0000	+004.6	+004.6	+004.5	+004.5	+004.6	
55.6250	+004.5	+004.5	+004.5	+004.5	+004.5	
56.2500	+004.5	+004.5	+004.6	+004.6	+004.6	
56.8750	+004.7	+004.8	+004.8	+004.9	+004.8	
57.5000	+004.9	+004.9	+004.9	+004.8	+004.8	
58.1250	+004.8	+004.8	+004.7	+004.6	+004.6	
58.7500	+004.6	+004.5	+004.4	+004.3	+004.3	
59.3750	+004.2	+004.3	+004.1	+004.1	+313.4	

AMAX= +101.1 AT T=004.7

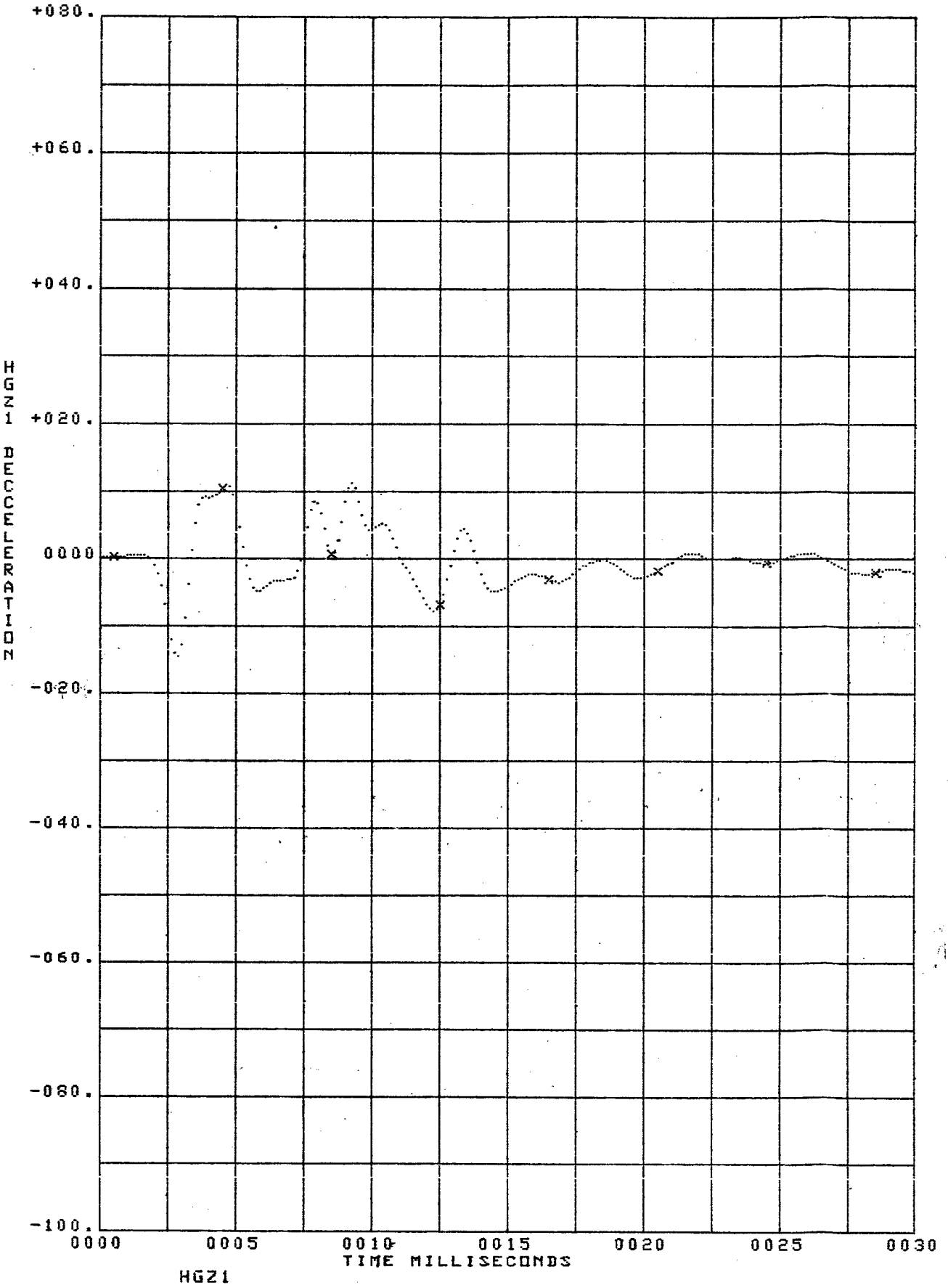
Head Impact
Dummy No. 39, Run No. 1



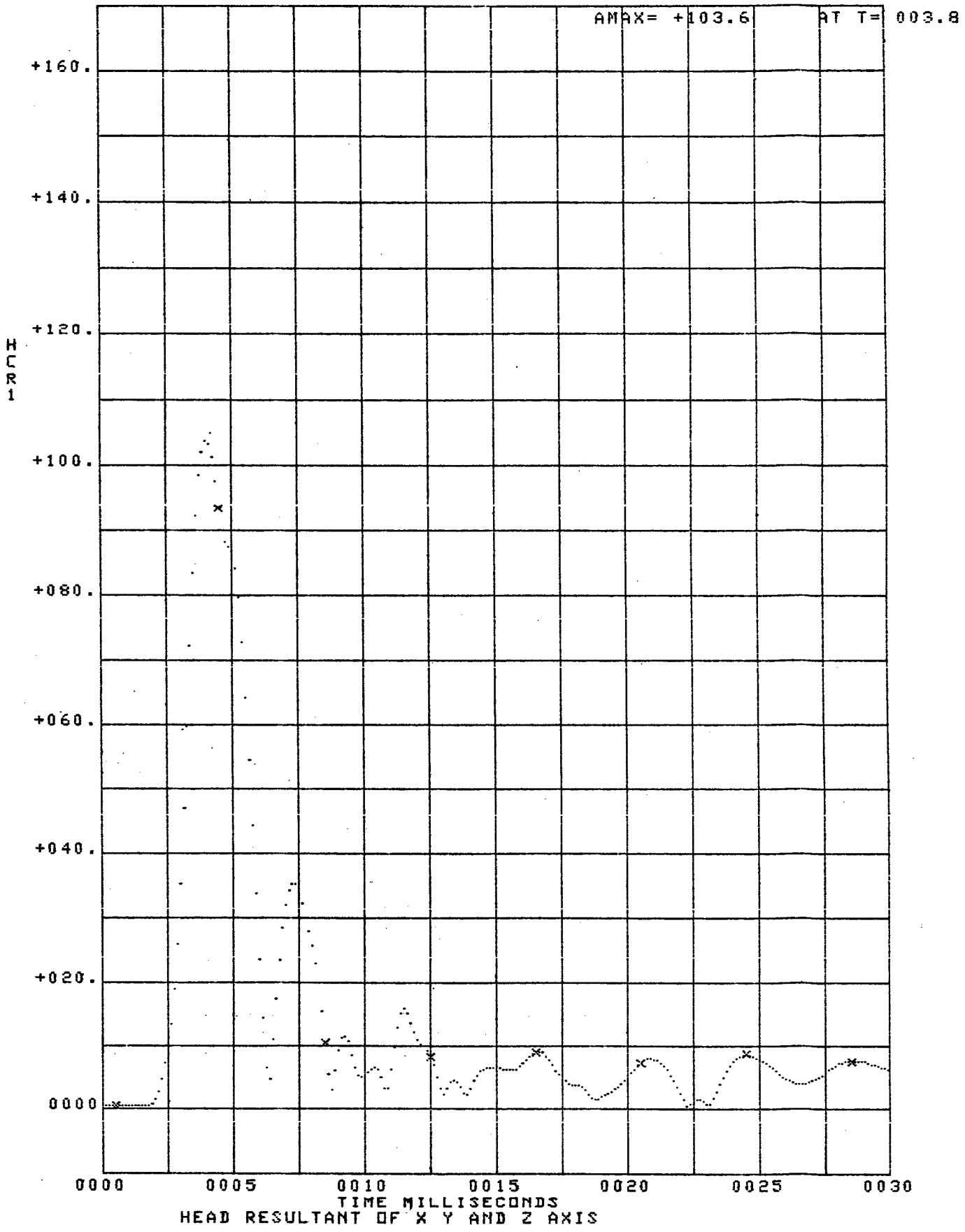
HEAD IMPACT
TEST H101



HEAD IMPACT
TEST H101



HEAD IMPACT
TEST H101

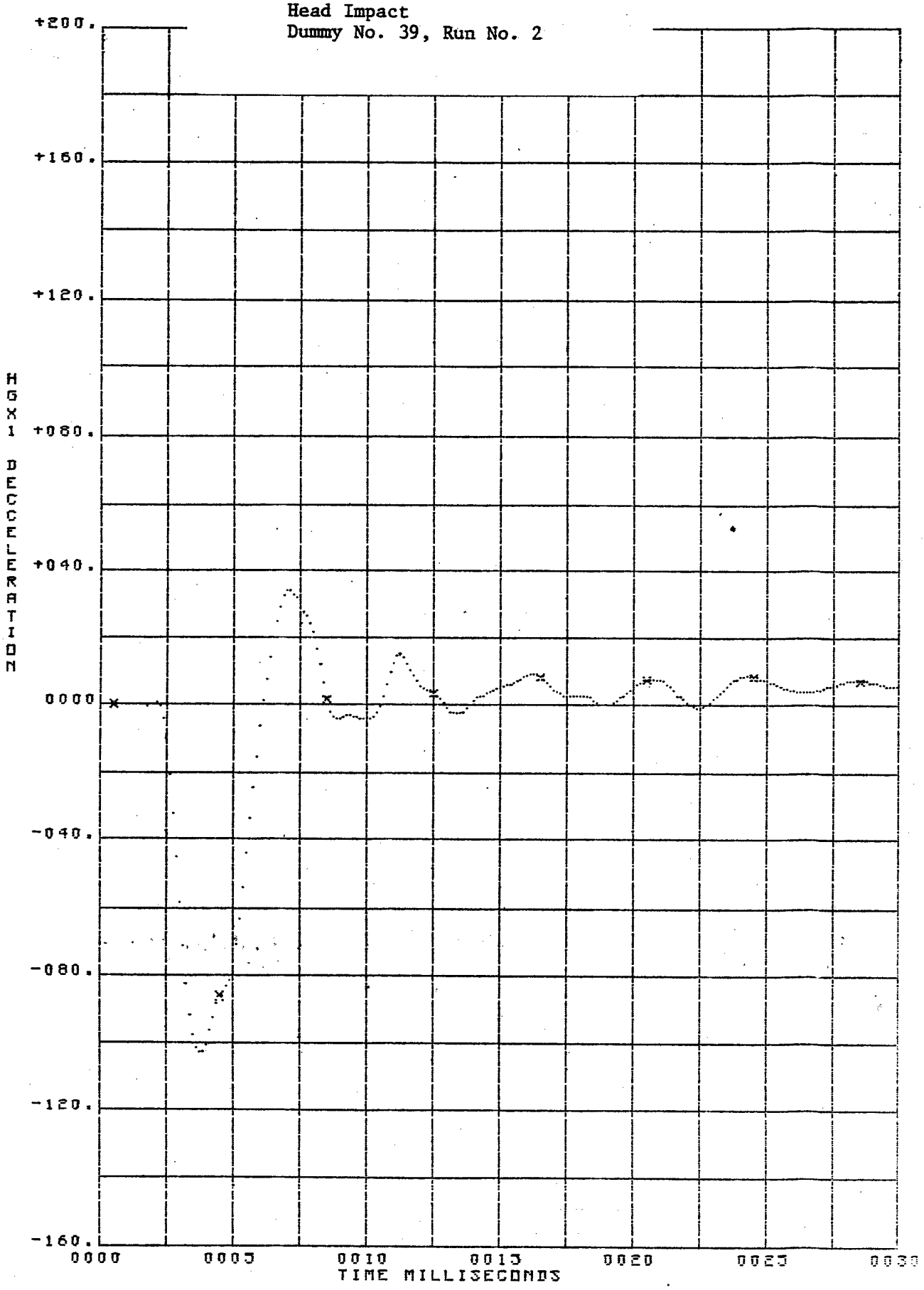


RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H101

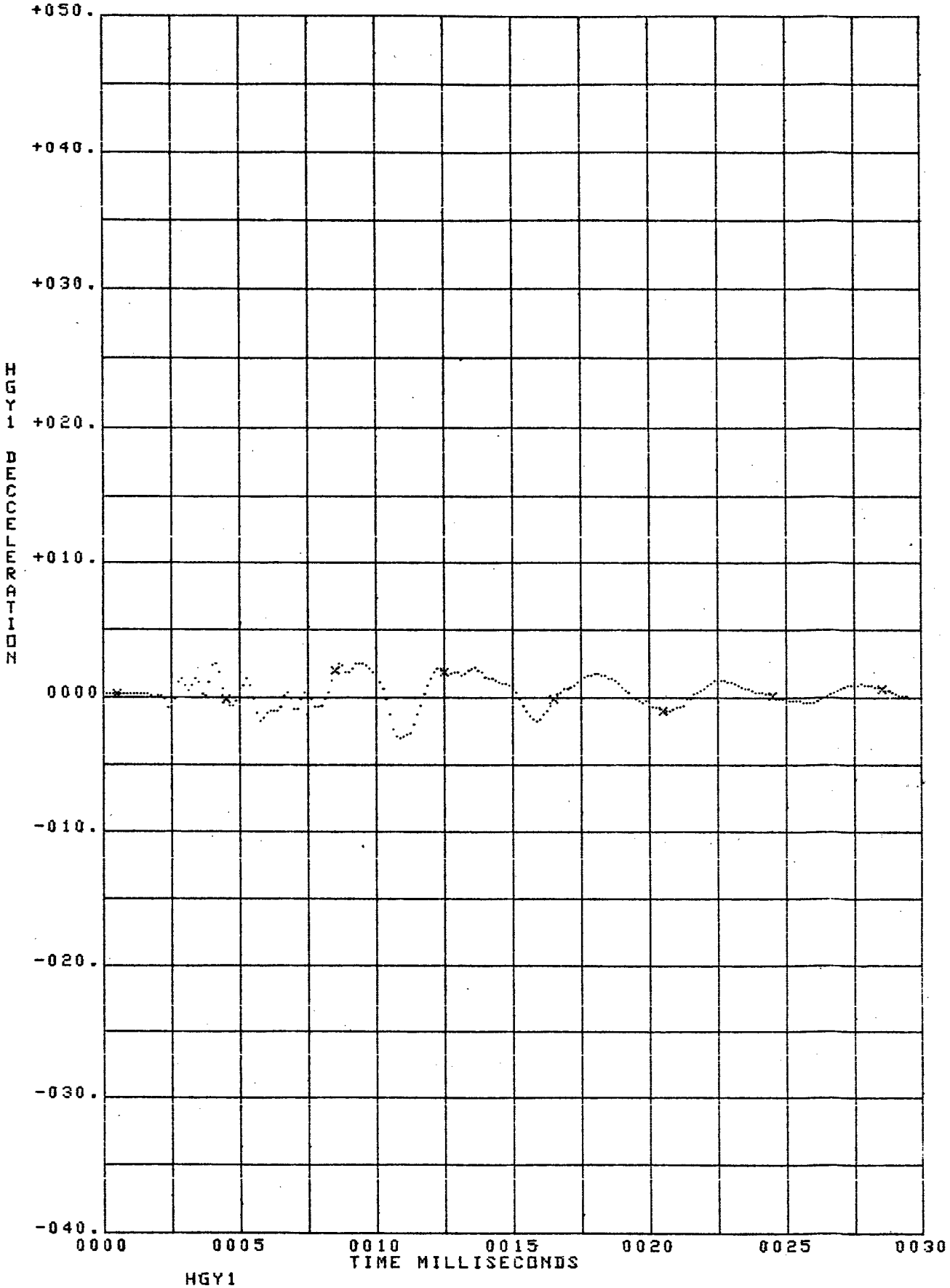
TIME					
0.0000	+000.1	+000.1	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.2
1.2500	+000.2	+000.3	+000.2	+000.2	+000.4
1.8750	+001.2	+002.5	+004.3	+006.8	+009.4
2.5000	+013.2	+018.5	+025.6	+034.8	+046.6
3.1250	+059.3	+072.0	+083.2	+092.2	+098.3
3.7500	+102.0	+103.6	+103.2	+101.1	+097.5
4.3750	+093.3	+089.7	+088.0	+087.3	+086.4
5.0000	+084.0	+079.4	+072.5	+063.9	+054.2
5.6250	+043.8	+033.4	+023.4	+014.0	+006.2
6.2500	+004.5	+010.6	+017.2	+023.1	+028.0
6.8750	+031.6	+033.9	+035.0	+034.8	+033.6
7.5000	+031.8	+029.6	+027.5	+025.2	+022.7
8.1250	+019.5	+015.1	+010.1	+005.1	+002.6
8.7500	+005.7	+008.9	+010.8	+011.2	+010.3
9.3750	+008.2	+006.2	+005.0	+004.7	+005.0
10.0000	+005.4	+005.9	+006.2	+005.8	+004.6
10.6250	+002.9	+002.9	+005.8	+009.5	+012.7
11.2500	+014.8	+015.5	+014.9	+013.5	+011.9
11.8750	+010.7	+010.0	+009.5	+009.0	+008.0
12.5000	+006.6	+004.7	+003.0	+002.0	+002.9
13.1250	+004.0	+004.2	+003.9	+003.1	+002.2
13.7500	+002.0	+003.0	+004.2	+005.0	+005.6
14.3750	+006.0	+006.1	+006.2	+006.1	+006.1
15.0000	+006.1	+005.9	+005.9	+005.9	+005.9
15.6250	+006.0	+006.4	+006.8	+007.5	+007.9
16.2500	+008.4	+008.6	+008.7	+008.6	+008.0
16.8750	+007.3	+006.6	+005.7	+005.1	+004.6
17.5000	+004.0	+003.7	+003.5	+003.4	+003.3
18.1250	+003.1	+002.6	+002.0	+001.5	+001.2
18.7500	+001.2	+001.5	+002.0	+002.2	+002.5
19.3750	+002.8	+003.2	+003.6	+004.2	+004.8
20.0000	+005.4	+006.0	+006.6	+007.0	+007.5
20.6250	+007.7	+007.6	+007.5	+007.3	+007.0
21.2500	+006.4	+005.9	+005.0	+004.1	+003.1
21.8750	+002.1	+001.1	+000.3	+000.4	+000.9
22.5000	+001.0	+001.0	+000.8	+000.4	+000.5
23.1250	+001.5	+002.5	+003.6	+004.6	+005.7
23.7500	+006.4	+007.2	+007.6	+008.0	+008.2
24.3750	+008.3	+008.2	+008.0	+007.7	+007.5
25.0000	+007.2	+006.8	+006.4	+006.1	+005.7
25.6250	+005.2	+004.8	+004.4	+004.2	+003.9
26.2500	+003.8	+003.6	+003.7	+003.7	+003.9
26.8750	+004.2	+004.4	+004.7	+005.0	+005.5
27.5000	+005.8	+006.1	+006.5	+006.8	+006.9
28.1250	+007.1	+007.2	+007.2	+007.2	+007.2
28.7500	+007.1	+007.0	+006.9	+006.6	+006.6
29.3750	+006.5	+006.2	+006.1	+006.0	+005.8
30.0000	+005.7	+005.7	+005.6	+005.4	+005.3
30.6250	+005.3	+005.3	+005.3	+005.3	+005.3
31.2500	+005.4	+005.4	+005.6	+005.7	+005.8
31.8750	+005.9	+006.1	+006.3	+006.4	+006.5
32.5000	+006.7	+006.8	+006.8	+006.9	+006.9
33.1250	+006.9	+006.9	+006.9	+006.7	+006.5
33.7500	+006.4	+006.4	+006.1	+006.0	+005.8
34.3750	+005.5	+005.5	+005.3	+005.2	+005.1
35.0000	+005.1	+005.0	+005.1	+005.2	+005.4
35.6250	+005.5	+005.6	+005.7	+006.0	+006.1
36.2500	+006.2	+006.4	+006.7	+006.8	+006.8
36.8750	+007.0	+007.0	+007.0	+007.0	+006.8

RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H101		
37.5000	+006.7	+006.7	+006.5	+006.2	+006.1	
38.1250	+005.7	+005.6	+005.4	+005.3	+005.1	
38.7500	+005.1	+005.0	+005.1	+005.1	+005.2	
39.3750	+005.4	+005.6	+005.7	+005.9	+006.0	
40.0000	+006.3	+006.4	+006.5	+006.6	+006.7	
40.6250	+006.9	+006.8	+006.8	+006.7	+006.6	
41.2500	+006.5	+006.5	+006.4	+006.2	+006.1	
41.8750	+005.9	+005.9	+005.9	+005.8	+005.6	
42.5000	+005.6	+005.6	+005.6	+005.5	+005.6	
43.1250	+005.7	+005.7	+005.7	+005.7	+005.7	
43.7500	+005.7	+005.7	+005.8	+005.7	+005.8	
44.3750	+006.0	+006.0	+006.0	+006.1	+006.0	
45.0000	+006.1	+006.1	+006.1	+006.1	+006.1	
45.6250	+005.9	+006.0	+005.9	+005.9	+005.8	
46.2500	+005.8	+005.7	+005.7	+005.7	+005.7	
46.8750	+005.7	+005.7	+005.6	+005.5	+005.5	
47.5000	+005.5	+005.6	+005.6	+005.6	+005.7	
48.1250	+005.7	+005.7	+005.7	+005.7	+005.7	
48.7500	+005.7	+005.8	+005.8	+005.8	+005.8	
49.3750	+005.8	+005.8	+005.6	+005.6	+005.6	
50.0000	+005.6	+005.6	+005.5	+005.4	+005.4	
50.6250	+005.3	+005.3	+005.2	+005.2	+005.1	
51.2500	+005.1	+005.1	+005.1	+005.1	+005.0	
51.8750	+005.0	+005.0	+005.1	+005.1	+005.1	
52.5000	+005.2	+005.2	+005.2	+005.1	+005.1	
53.1250	+005.1	+005.1	+005.1	+005.1	+005.0	
53.7500	+005.0	+004.9	+004.8	+004.8	+004.7	
54.3750	+004.7	+004.6	+004.6	+004.6	+004.4	
55.0000	+004.3	+004.4	+004.4	+004.4	+004.4	
55.6250	+004.3	+004.4	+004.4	+004.4	+004.3	
56.2500	+004.2	+004.3	+004.3	+004.3	+004.3	
56.8750	+004.3	+004.3	+004.3	+004.2	+004.1	
57.5000	+004.0	+003.9	+003.8	+003.7	+003.7	
58.1250	+003.6	+003.6	+003.7	+003.7	+003.5	
58.7500	+003.5	+003.4	+003.2	+003.1	+002.8	
59.3750	+002.5	+002.1	+001.7	+001.3	+313.4	

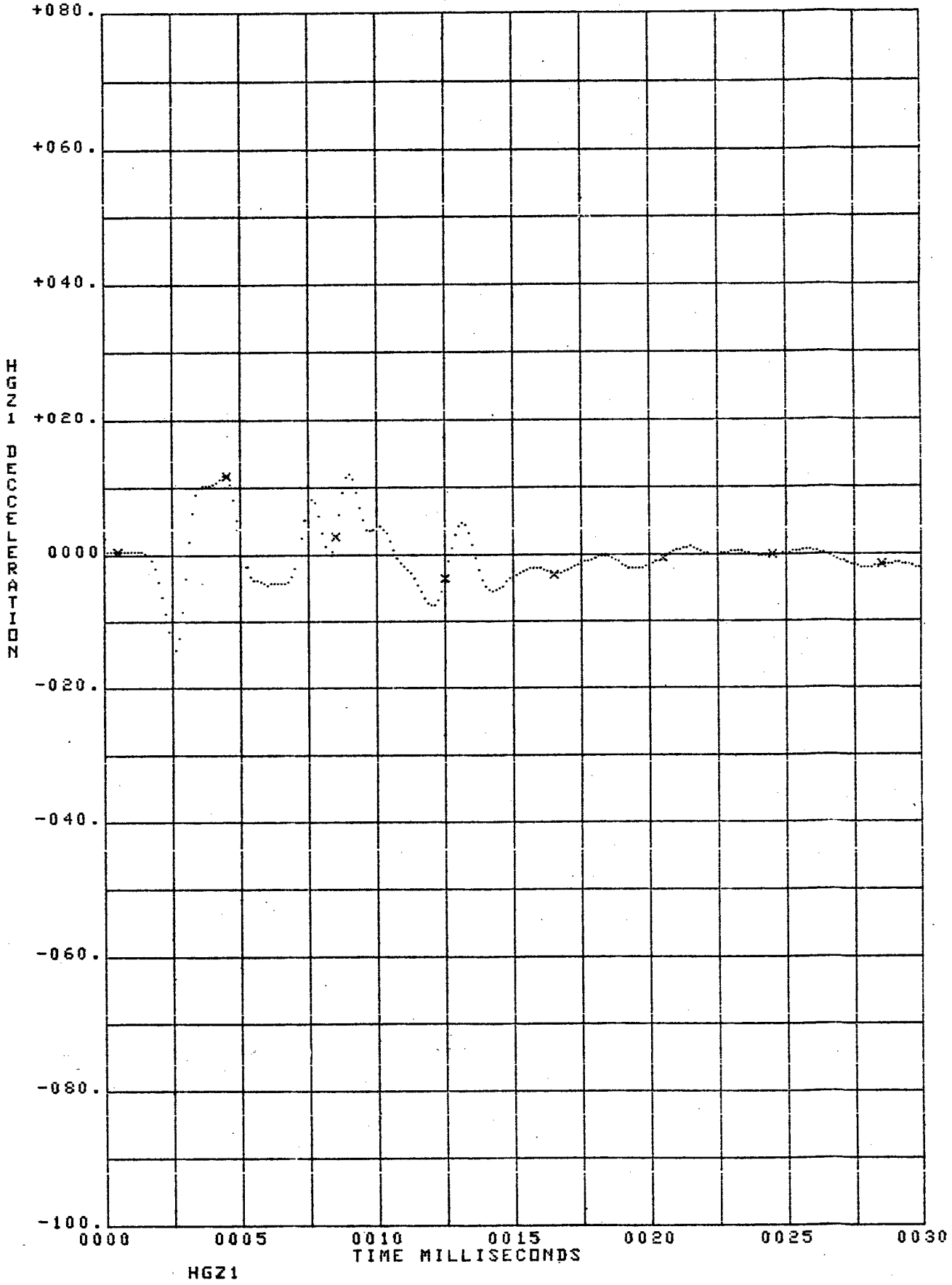
AMAX= +103.6 AT T=003.8


Head Impact
Dummy No. 39, Run No. 2
+200.
+160.
+120.
+080.
+040.
0000
-040.
-080.
-120.
-160.
HGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

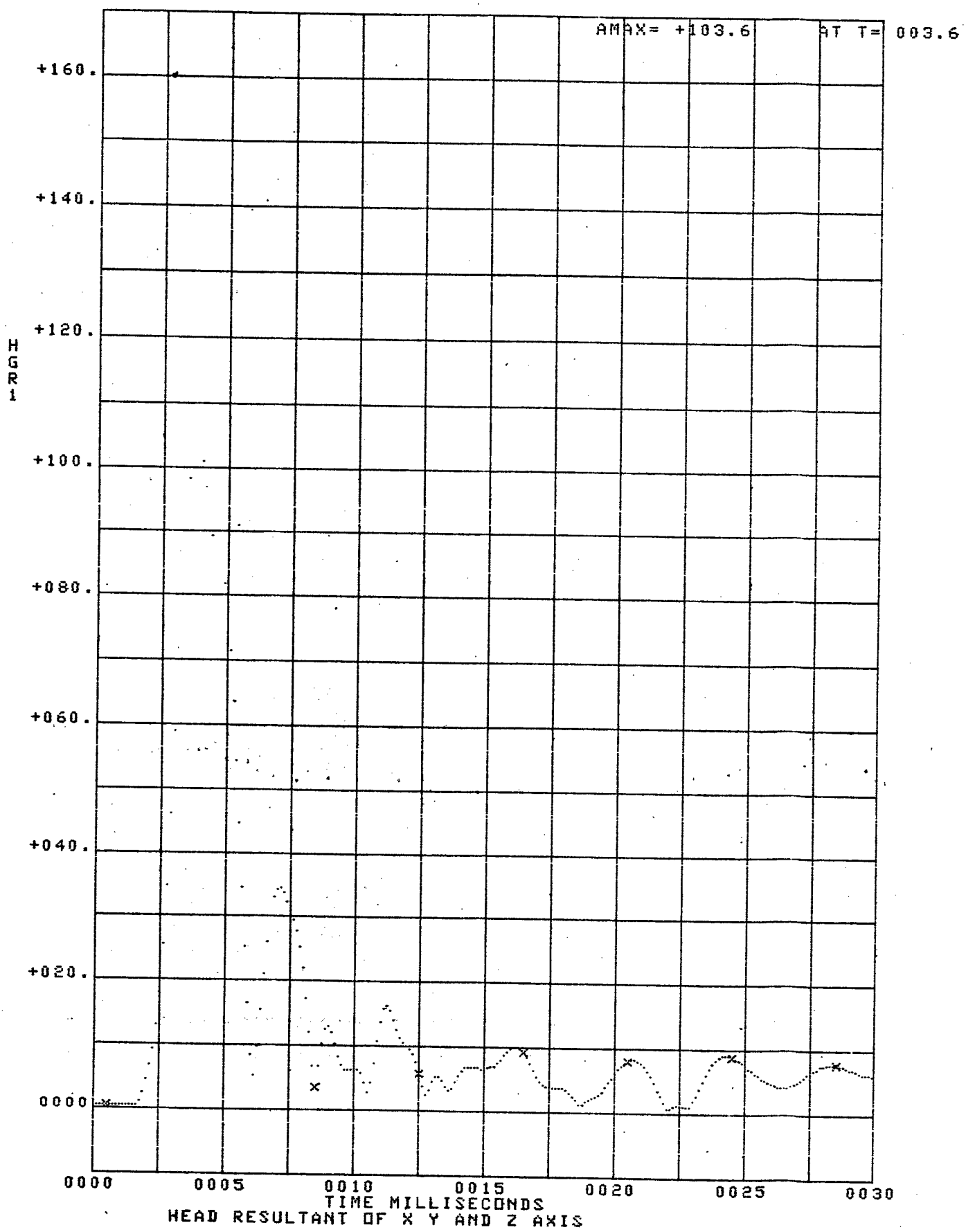
HEAD IMPACT
TEST H102



HEAD IMPACT
TEST H102



HEAD IMPACT
TEST H102

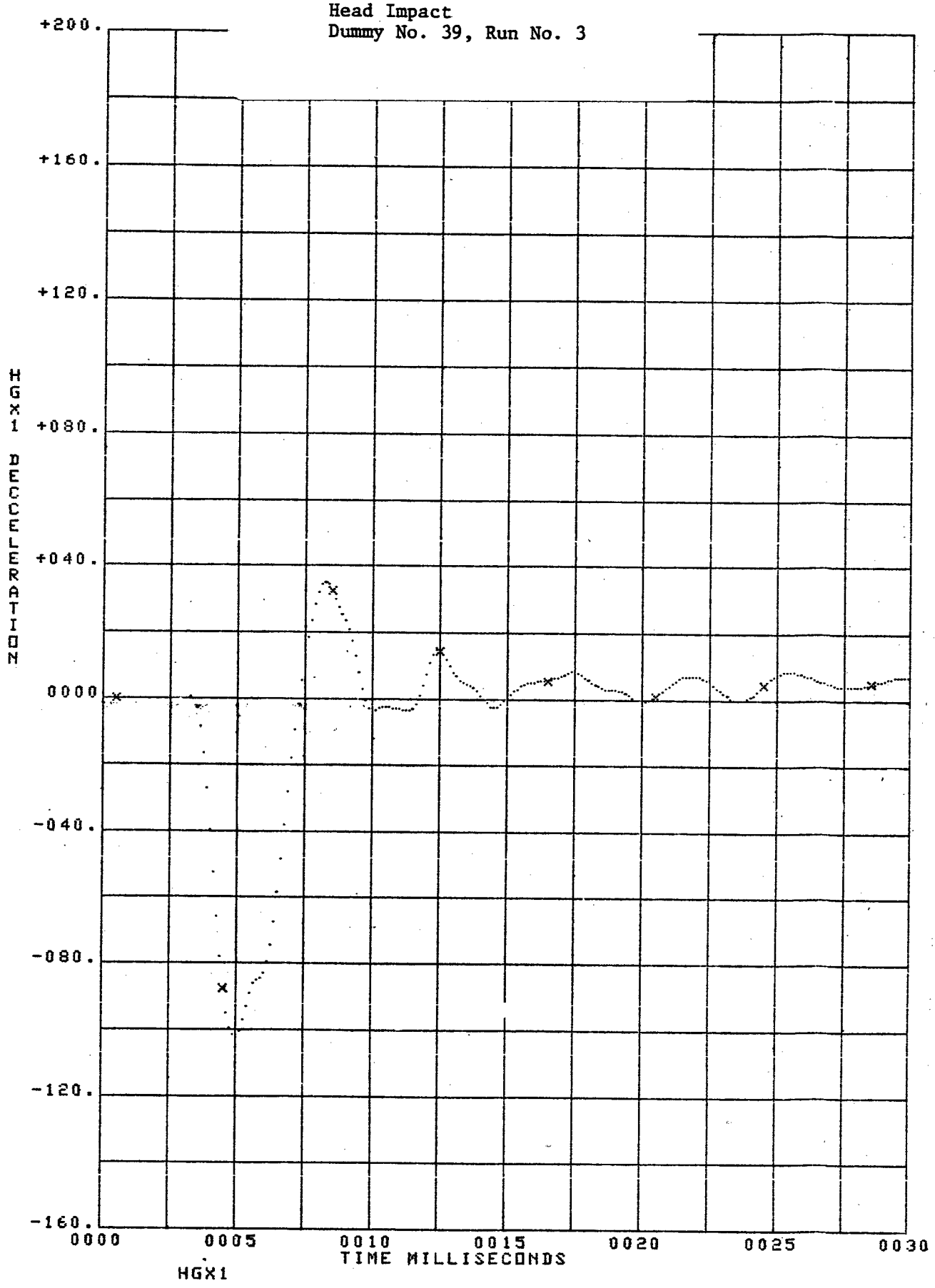


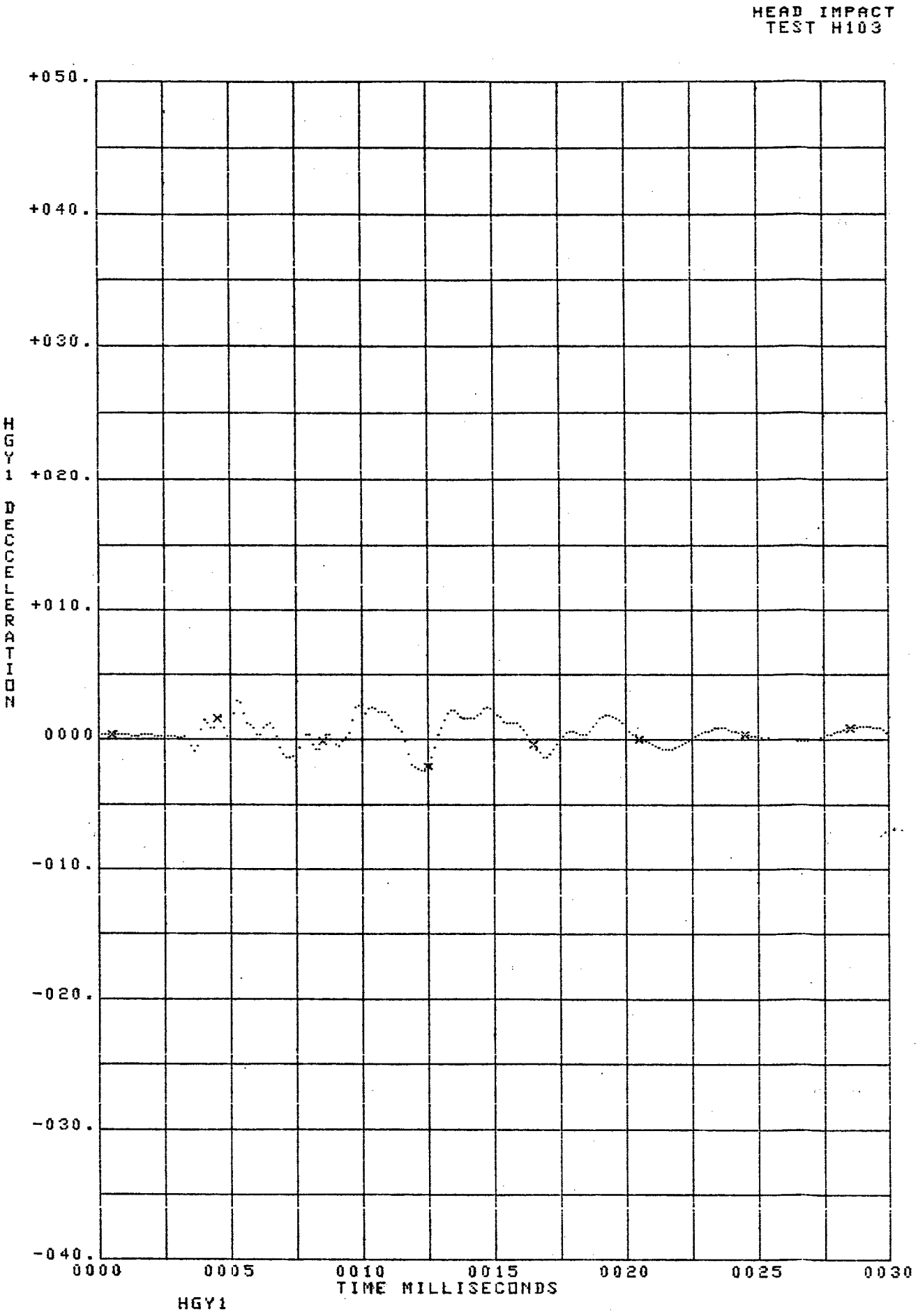
RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H102

TIME					
0.0000	+000.2	+000.2	+000.2	+000.	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.2
1.2500	+000.1	+000.1	+000.2	+000.9	+002.3
1.8750	+004.1	+006.4	+009.0	+012.6	+018.0
2.5000	+025.2	+034.3	+045.8	+058.6	+071.4
3.1250	+083.0	+092.1	+098.2	+101.9	+103.6
3.7500	+103.1	+100.9	+096.9	+092.6	+089.0
4.3750	+086.9	+085.6	+084.2	+081.6	+077.2
5.0000	+071.2	+063.3	+054.0	+044.3	+034.2
5.6250	+024.9	+016.1	+008.3	+004.9	+009.3
6.2500	+015.1	+020.6	+025.5	+029.5	+032.5
6.8750	+033.9	+034.1	+033.2	+031.9	+030.5
7.5000	+029.2	+027.4	+024.9	+021.6	+017.0
8.1250	+011.7	+006.4	+003.1	+006.3	+010.0
8.7500	+012.0	+012.5	+011.5	+009.8	+007.8
9.3750	+006.6	+005.9	+005.8	+005.9	+005.9
10.0000	+005.9	+005.3	+003.9	+002.4	+003.8
10.6250	+007.0	+010.4	+013.4	+015.4	+015.8
11.2500	+015.1	+013.7	+012.1	+011.0	+010.2
11.8750	+009.7	+009.2	+008.4	+007.2	+005.4
12.5000	+003.3	+002.2	+003.0	+004.3	+004.9
13.1250	+004.9	+004.3	+003.4	+002.8	+003.2
13.7500	+004.3	+005.3	+005.9	+006.3	+006.5
14.3750	+006.5	+006.4	+006.3	+006.3	+006.3
15.0000	+006.4	+006.6	+006.6	+007.1	+007.7
15.6250	+008.4	+009.0	+009.5	+009.7	+009.7
16.2500	+009.5	+008.9	+008.1	+007.0	+006.1
16.8750	+005.1	+004.4	+003.9	+003.6	+003.4
17.5000	+003.4	+003.4	+003.4	+003.3	+003.1
18.1250	+002.6	+002.1	+001.6	+001.3	+001.3
18.7500	+001.4	+001.7	+001.9	+002.2	+002.5
19.3750	+003.0	+003.7	+004.3	+005.0	+005.7
20.0000	+006.3	+006.9	+007.5	+007.7	+007.9
20.6250	+007.9	+007.8	+007.4	+006.9	+006.3
21.2500	+005.4	+004.3	+003.3	+002.3	+001.4
21.8750	+000.5	+000.4	+000.9	+001.2	+001.2
22.5000	+001.0	+000.8	+000.8	+001.5	+002.4
23.1250	+003.5	+004.6	+005.7	+006.7	+007.5
23.7500	+008.0	+008.5	+008.7	+008.8	+008.6
24.3750	+008.5	+008.3	+007.9	+007.6	+007.1
25.0000	+006.7	+006.4	+005.9	+005.6	+005.2
25.6250	+004.9	+004.6	+004.3	+004.1	+003.9
26.2500	+003.9	+004.0	+004.0	+004.2	+004.5
26.8750	+004.7	+005.0	+005.5	+005.8	+006.1
27.5000	+006.5	+006.8	+007.0	+007.1	+007.4
28.1250	+007.4	+007.3	+007.3	+007.2	+007.0
28.7500	+006.9	+006.7	+006.5	+006.4	+006.1
29.3750	+006.0	+006.0	+005.8	+005.7	+005.6
30.0000	+005.5	+005.5	+005.4	+005.4	+005.2
30.6250	+005.2	+005.2	+005.3	+005.3	+005.3
31.2500	+005.3	+005.5	+005.6	+005.8	+006.0
31.8750	+006.1	+006.3	+006.5	+006.6	+006.7
32.5000	+006.8	+006.8	+006.8	+006.8	+006.8
33.1250	+006.6	+006.7	+006.6	+006.4	+006.2
33.7500	+006.0	+005.9	+005.8	+005.7	+005.5
34.3750	+005.4	+005.3	+005.1	+005.1	+005.0
35.0000	+005.0	+005.2	+005.3	+005.4	+005.5
35.6250	+005.6	+005.9	+006.1	+006.3	+006.6
36.2500	+006.8	+006.8	+006.9	+007.1	+007.2
36.8750	+007.1	+007.1	+007.1	+007.0	+006.9

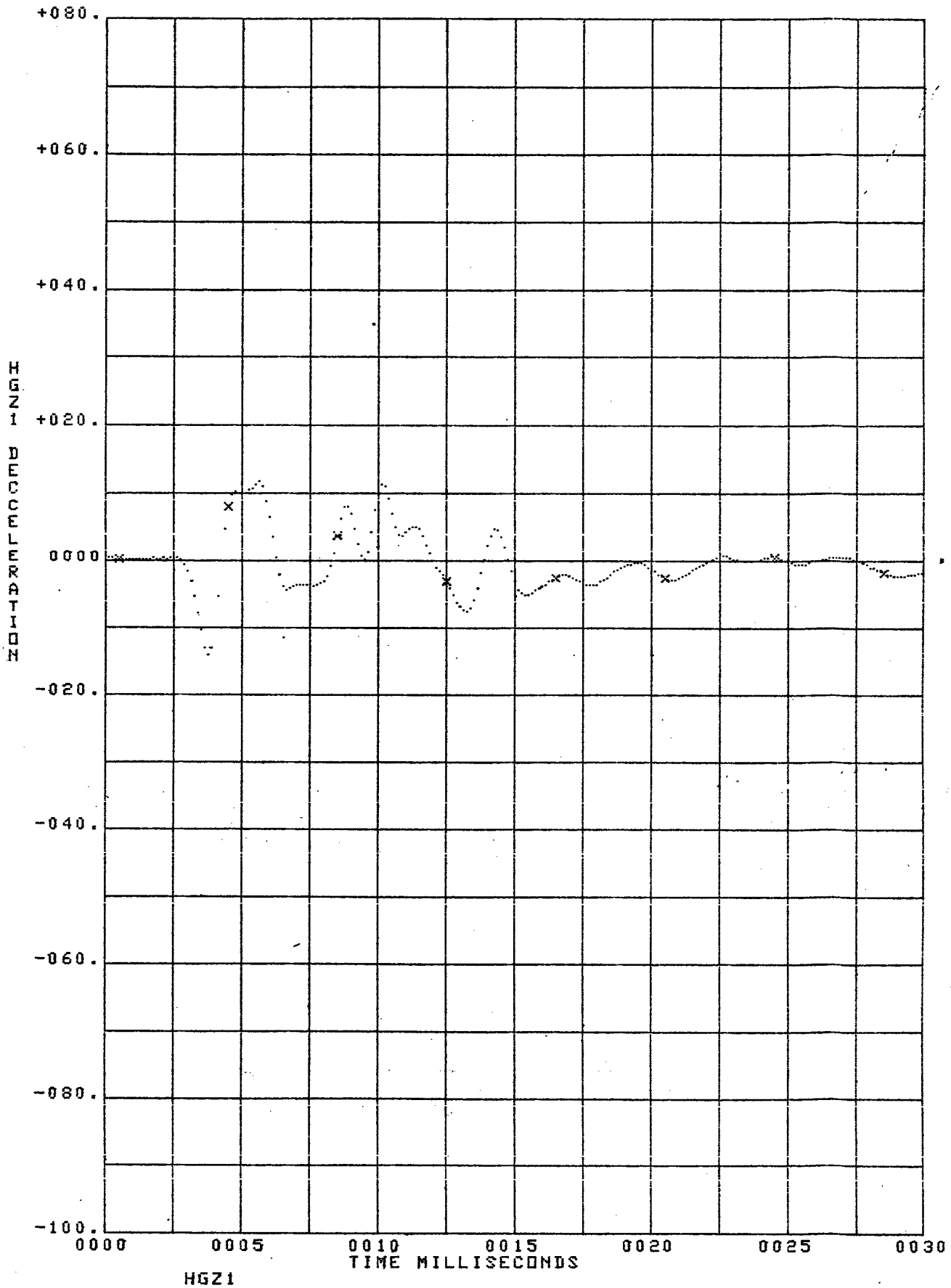
RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H102		
37.5000	+006.7	+006.5	+006.4	+006.1	+005.9	
38.1250	+005.6	+005.6	+005.4	+005.3	+005.3	
38.7500	+005.2	+005.2	+005.3	+005.4	+005.7	
39.3750	+005.7	+005.9	+006.1	+006.3	+006.3	
40.0000	+006.4	+006.5	+006.6	+006.6	+006.5	
40.6250	+006.6	+006.5	+006.5	+006.5	+006.3	
41.2500	+006.3	+006.3	+006.2	+006.0	+006.0	
41.8750	+005.8	+005.8	+005.7	+005.7	+005.6	
42.5000	+005.6	+005.6	+005.6	+005.6	+005.6	
43.1250	+005.6	+005.6	+005.6	+005.8	+005.9	
43.7500	+005.9	+005.9	+005.9	+005.9	+005.9	
44.3750	+006.1	+006.1	+006.1	+006.1	+006.1	
45.0000	+006.1	+006.1	+006.1	+006.1	+006.1	
45.6250	+005.9	+005.9	+005.9	+005.6	+005.6	
46.2500	+005.6	+005.6	+005.6	+005.5	+005.4	
46.8750	+005.5	+005.5	+005.5	+005.4	+005.5	
47.5000	+005.5	+005.5	+005.5	+005.5	+005.6	
48.1250	+005.6	+005.5	+005.6	+005.6	+005.6	
48.7500	+005.6	+005.6	+005.6	+005.6	+005.6	
49.3750	+005.6	+005.6	+005.6	+005.6	+005.6	
50.0000	+005.4	+005.4	+005.4	+005.4	+005.3	
50.6250	+005.2	+005.1	+005.1	+005.0	+005.0	
51.2500	+005.1	+005.1	+005.1	+005.0	+005.0	
51.8750	+005.1	+005.1	+005.1	+005.2	+005.2	
52.5000	+005.2	+005.2	+005.2	+005.2	+005.2	
53.1250	+005.2	+005.2	+005.2	+005.1	+005.1	
53.7500	+005.1	+005.0	+004.9	+004.9	+004.9	
54.3750	+004.9	+004.9	+004.7	+004.6	+004.6	
55.0000	+004.6	+004.6	+004.6	+004.6	+004.6	
55.6250	+004.6	+004.6	+004.5	+004.6	+004.5	
56.2500	+004.5	+004.5	+004.5	+004.5	+004.4	
56.8750	+004.3	+004.1	+004.0	+003.8	+003.6	
57.5000	+003.6	+003.5	+003.5	+003.5	+003.4	
58.1250	+003.4	+003.3	+003.1	+002.8	+002.5	
58.7500	+002.1	+001.8	+001.4	+000.9	+000.7	
59.3750	+000.4	+000.4	+000.4	+000.7	+313.4	

AMAX= +103.6 AT T=003.6

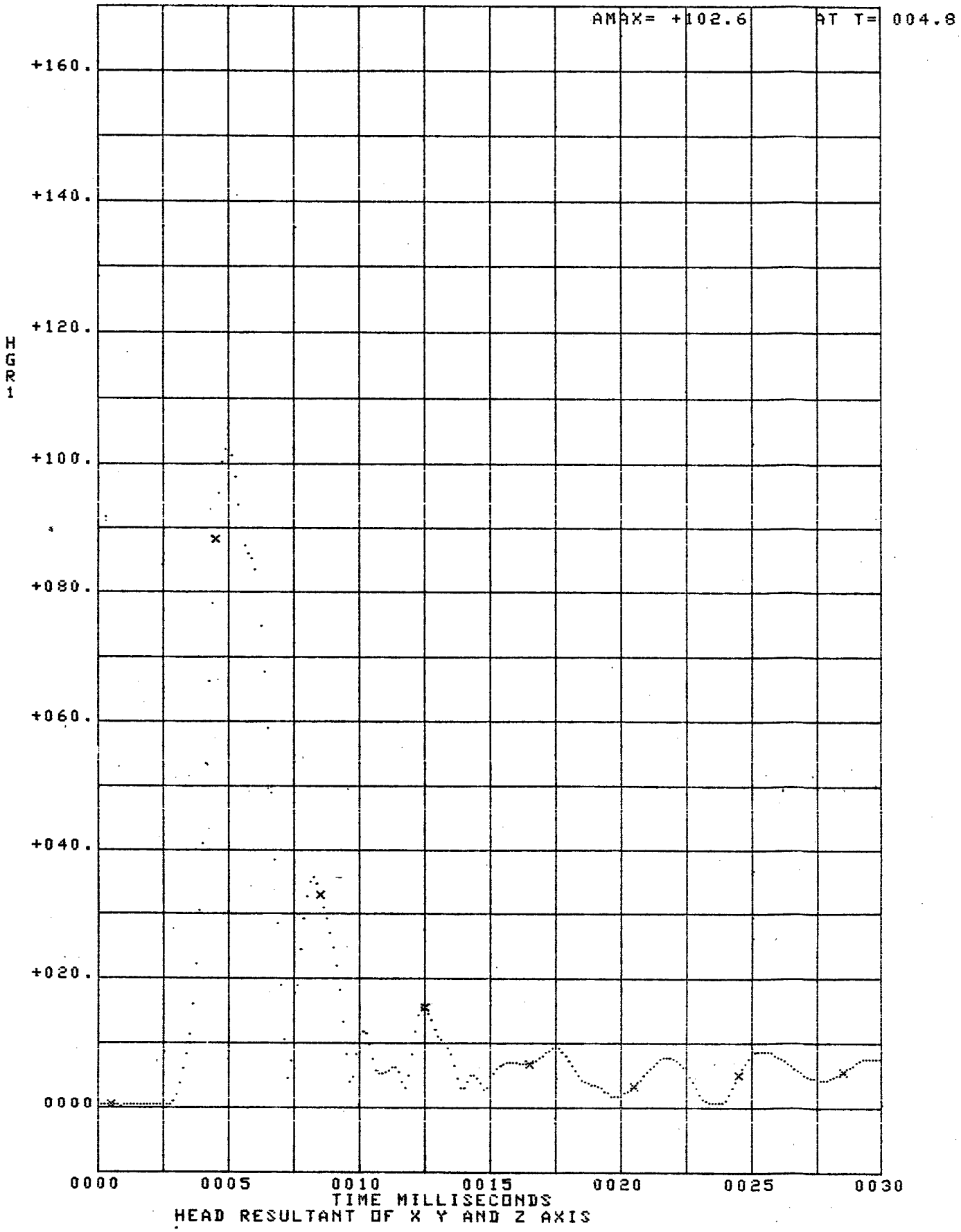

Head Impact
Dummy No. 39, Run No. 3
+200.
+160.
+120.
+080.
+040.
0000
-040.
-080.
-120.
-160.
HGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGX1


HEAD IMPACT
TEST H103
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
HGY1

HEAD IMPACT
TEST H103



HEAD IMPACT
TEST H103



RESULTANT (HGR1) OF HGX1 HGY1 HGZ1 H103

TIME					
0.0000	+000.1	+000.2	+000.1	+000.1	+000.1
0.6250	+000.1	+000.0	+000.1	+000.1	+000.1
1.2500	+000.1	+000.1	+000.1	+000.1	+000.1
1.8750	+000.1	+000.2	+000.2	+000.2	+000.2
2.5000	+000.2	+000.1	+000.7	+001.7	+003.3
3.1250	+005.6	+007.9	+010.9	+015.6	+021.9
3.7500	+030.1	+040.6	+053.0	+065.8	+078.0
4.3750	+088.0	+095.4	+100.0	+102.2	+102.6
5.0000	+101.1	+097.8	+093.6	+089.7	+087.1
5.6250	+085.8	+085.0	+083.2	+079.7	+074.5
6.2500	+067.5	+058.2	+048.6	+038.1	+028.1
6.8750	+018.5	+010.1	+004.2	+007.0	+012.9
7.5000	+018.7	+024.0	+028.8	+032.3	+034.6
8.1250	+035.2	+034.3	+032.7	+030.6	+028.8
8.7500	+026.6	+024.4	+021.5	+017.8	+012.9
9.3750	+008.0	+003.6	+004.5	+007.9	+010.4
10.0000	+011.4	+011.1	+009.3	+007.2	+005.5
10.6250	+004.9	+004.9	+005.1	+005.5	+006.0
11.2500	+006.0	+005.2	+003.6	+002.7	+004.7
11.8750	+008.0	+011.3	+013.9	+015.2	+015.1
12.5000	+014.3	+013.0	+011.7	+010.8	+010.2
13.1250	+009.7	+009.0	+007.9	+006.2	+004.2
13.7500	+002.6	+002.6	+003.6	+004.6	+004.6
14.3750	+004.1	+003.3	+002.5	+002.7	+003.8
15.0000	+004.9	+005.7	+006.2	+006.5	+006.6
15.6250	+006.7	+006.7	+006.5	+006.5	+006.3
16.2500	+006.3	+006.3	+006.6	+006.9	+007.3
16.8750	+007.8	+008.3	+008.7	+009.0	+009.1
17.5000	+008.9	+008.4	+007.5	+006.9	+006.1
18.1250	+005.3	+004.7	+004.0	+003.6	+003.4
18.7500	+003.2	+003.2	+003.0	+002.8	+002.3
19.3750	+001.8	+001.4	+001.4	+001.4	+001.6
20.0000	+001.8	+002.2	+002.6	+003.0	+003.6
20.6250	+003.9	+004.5	+005.1	+005.6	+006.2
21.2500	+006.8	+007.1	+007.3	+007.3	+007.3
21.8750	+007.1	+006.9	+006.5	+005.9	+005.3
22.5000	+004.5	+003.6	+002.8	+001.8	+001.3
23.1250	+000.7	+000.5	+000.5	+000.4	+000.4
23.7500	+000.4	+000.9	+001.7	+002.6	+003.6
24.3750	+004.7	+005.7	+006.4	+007.1	+007.7
25.0000	+008.2	+008.4	+008.4	+008.5	+008.3
25.6250	+008.1	+007.8	+007.5	+007.2	+006.9
26.2500	+006.5	+006.2	+005.7	+005.4	+005.1
26.8750	+004.8	+004.5	+004.2	+004.1	+004.0
27.5000	+004.0	+003.9	+003.9	+004.2	+004.4
28.1250	+004.7	+005.0	+005.3	+005.6	+006.0
28.7500	+006.2	+006.7	+006.8	+007.0	+007.2
29.3750	+007.2	+007.2	+007.2	+007.2	+007.0
30.0000	+006.9	+006.7	+006.6	+006.5	+006.4
30.6250	+006.1	+006.0	+005.9	+005.8	+005.6
31.2500	+005.6	+005.5	+005.5	+005.4	+005.4
31.8750	+005.4	+005.4	+005.5	+005.5	+005.6
32.5000	+005.8	+005.9	+006.1	+006.2	+006.5
33.1250	+006.6	+006.7	+006.8	+007.0	+007.0
33.7500	+007.1	+007.1	+007.0	+007.0	+007.0
34.3750	+006.9	+006.8	+006.7	+006.5	+006.4
35.0000	+006.3	+006.1	+006.0	+005.8	+005.7
35.6250	+005.5	+005.4	+005.4	+005.4	+005.3
36.2500	+005.5	+005.4	+005.5	+005.7	+005.8
36.8750	+006.0	+006.1	+006.4	+006.7	+006.7

RESULTANT (HGR1) OF	HGX1	HGY1	HGZ1	H103		
37.5000	+006.8	+007.0	+007.1	+007.2	+007.2	
38.1250	+007.1	+007.1	+007.0	+007.0	+006.8	
38.7500	+006.7	+006.5	+006.2	+006.0	+006.0	
39.3750	+005.7	+005.7	+005.5	+005.5	+005.5	
40.0000	+005.5	+005.6	+005.6	+005.7	+005.9	
40.6250	+006.0	+006.2	+006.4	+006.5	+006.6	
41.2500	+006.8	+006.8	+006.8	+006.9	+006.9	
41.8750	+007.0	+007.0	+006.9	+007.0	+006.9	
42.5000	+006.9	+006.7	+006.7	+006.5	+006.4	
43.1250	+006.4	+006.1	+005.9	+005.9	+005.8	
43.7500	+005.7	+005.7	+005.7	+005.7	+005.7	
44.3750	+005.7	+005.7	+005.7	+005.7	+005.7	
45.0000	+005.7	+005.9	+005.9	+005.8	+006.0	
45.6250	+006.0	+006.0	+006.0	+006.0	+006.0	
46.2500	+006.1	+006.1	+006.1	+005.9	+005.9	
46.8750	+006.0	+005.9	+005.8	+005.7	+005.7	
47.5000	+005.7	+005.7	+005.7	+005.7	+005.6	
48.1250	+005.7	+005.7	+005.7	+005.7	+005.7	
48.7500	+005.7	+005.7	+005.8	+005.8	+005.9	
49.3750	+005.9	+006.0	+005.9	+005.9	+005.9	
50.0000	+005.9	+006.1	+006.1	+006.1	+006.1	
50.6250	+006.0	+005.9	+005.9	+005.7	+005.6	
51.2500	+005.6	+005.5	+005.4	+005.3	+005.2	
51.8750	+005.2	+005.2	+005.2	+005.2	+005.1	
52.5000	+005.1	+005.2	+005.2	+005.1	+005.2	
53.1250	+005.2	+005.3	+005.3	+005.3	+005.2	
53.7500	+005.3	+005.3	+005.3	+005.3	+005.3	
54.3750	+005.3	+005.3	+005.2	+005.1	+005.0	
55.0000	+005.0	+004.9	+004.9	+004.8	+004.7	
55.6250	+004.9	+004.7	+004.6	+004.6	+004.6	
56.2500	+004.6	+004.6	+004.5	+004.4	+004.2	
56.8750	+004.1	+003.9	+003.9	+003.9	+003.9	
57.5000	+003.9	+003.9	+003.9	+003.9	+003.9	
58.1250	+003.8	+003.9	+003.6	+003.6	+003.2	
58.7500	+002.9	+002.6	+002.2	+001.9	+001.5	
59.3750	+001.2	+000.9	+000.6	+000.4	+313.4	

AMAX= +102.6 AT T=004.8

03-31-78

SO# 780215

TRC311

NHTSA ETF ALDERSON 3 YEAR OLD SN 31

,,,,,,,,,,, Velocity 10 fps

,,,,,,,,,,, Resultant 50.6 G

,,,,,,,,,,, Time above 20G 3.5 m.sec.

,,,,,,,,,,

,,,,,,,,,,,

,,,,,,,,,

CHEST IMPACT

TRC NO. 311

0120

0120

Charpy Impact - 30
Ft. lbs.

03-31-78

SO# 780215

TRC312

NHTSA ETF ALDERSON 3 YEAR OLD SN 31

,,,,,,,,,,,, Velocity 10 fps

,,,,,,,,,,, Resultant 49.3 G

,,,,,,,,,,, Time above 20 G 3.75 m sec.

,,,,,,,,,,

,,,,,,,,,,,

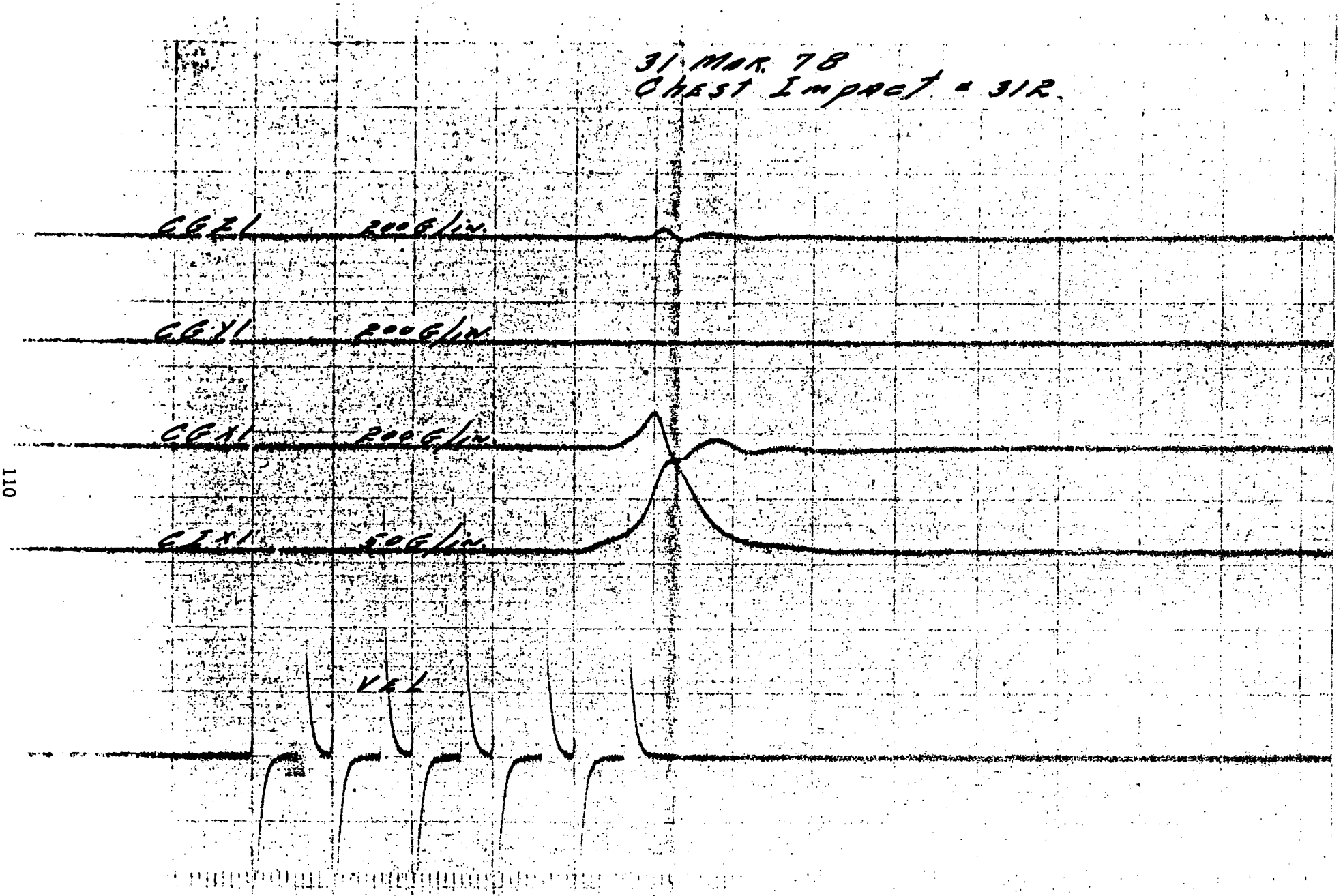
,,,,,,,,,,

CHEST IMPACT

TRC NO 312

0120

0120


31 MAR. 78
CHEST IMPACT = 31.2
CGZ 200 G/in.
CGY 200 G/in.
CGX 200 G/in.
CGRES 200 G/in.
VEL

03-31-78

SO# 780215

TRC313

NHTSA ETF ALDERSON 3 YEAR OLD SN 31

Velocity 10 fps

Resultant 54.9 G

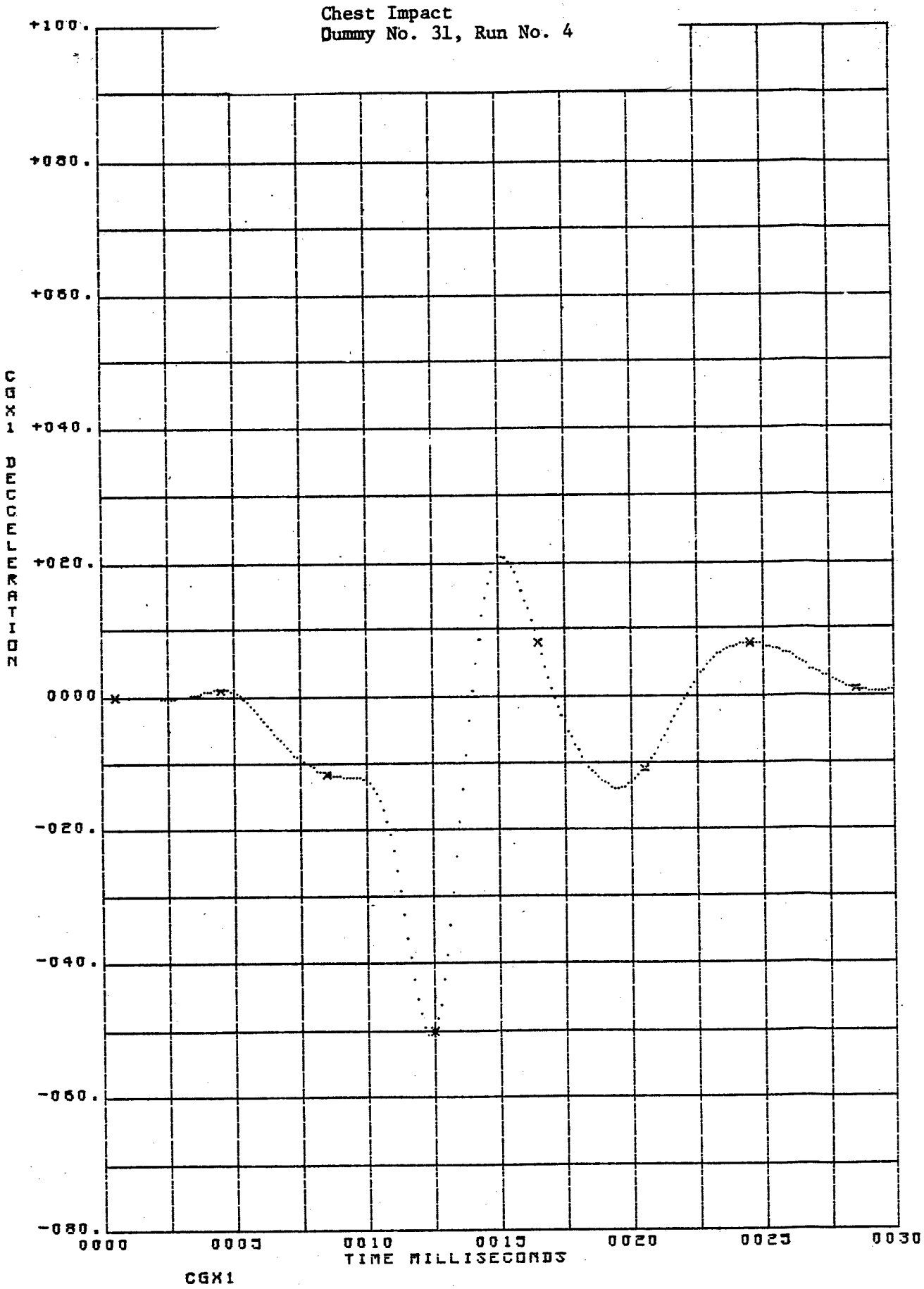
Time above 20G 3.50 m.sec.

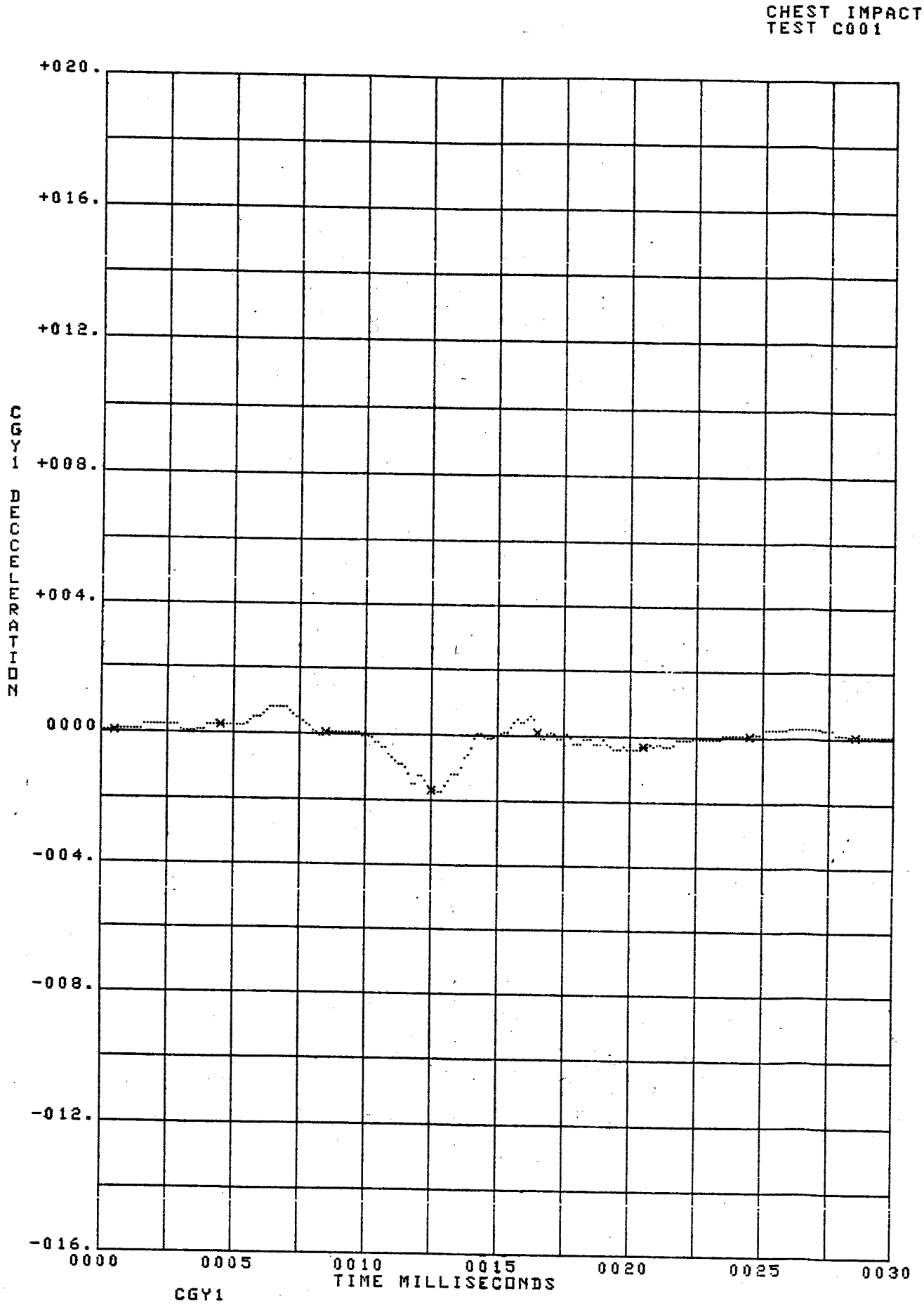
CHEST IMPACT

TRC NO 313

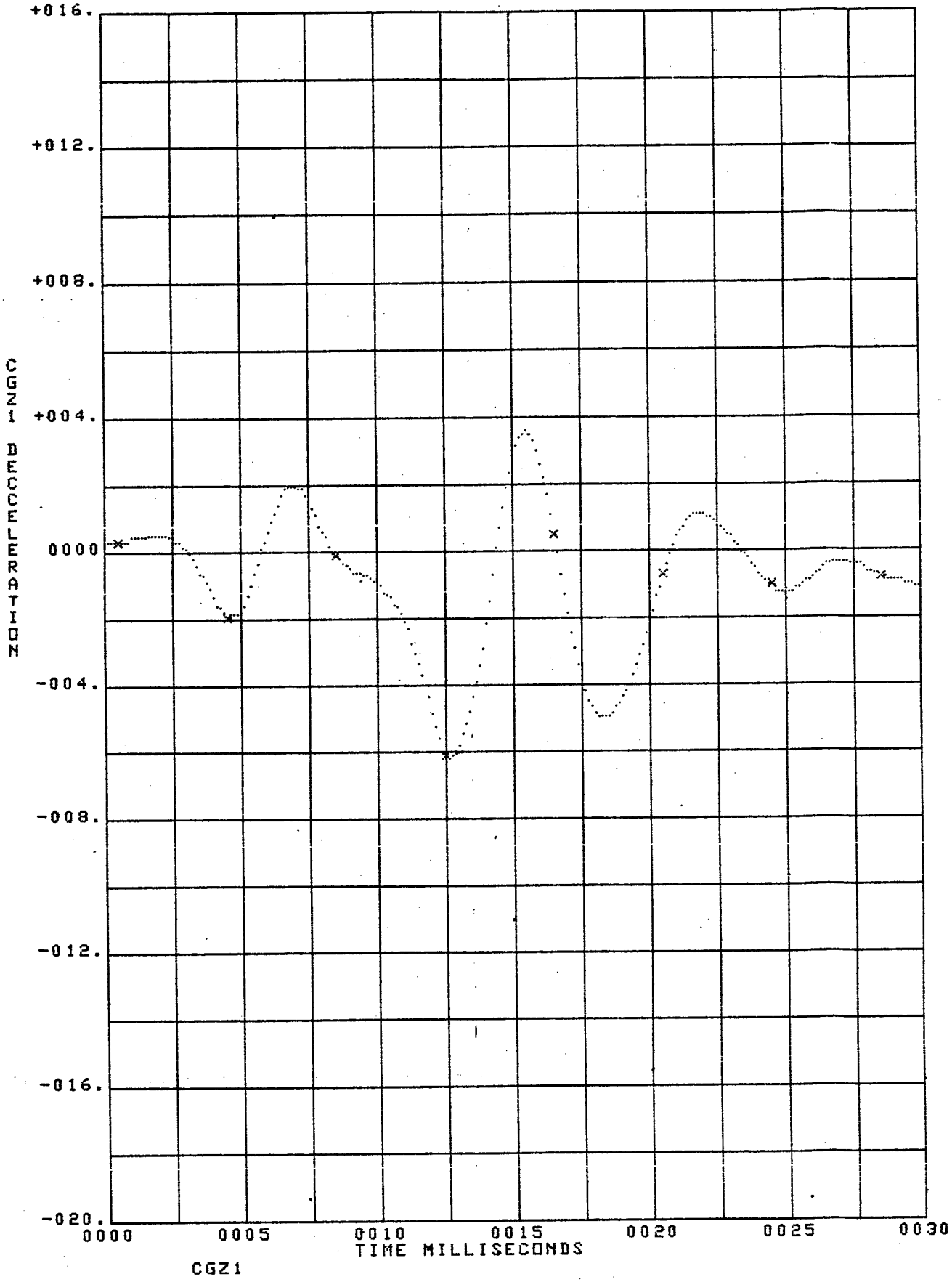
0.120

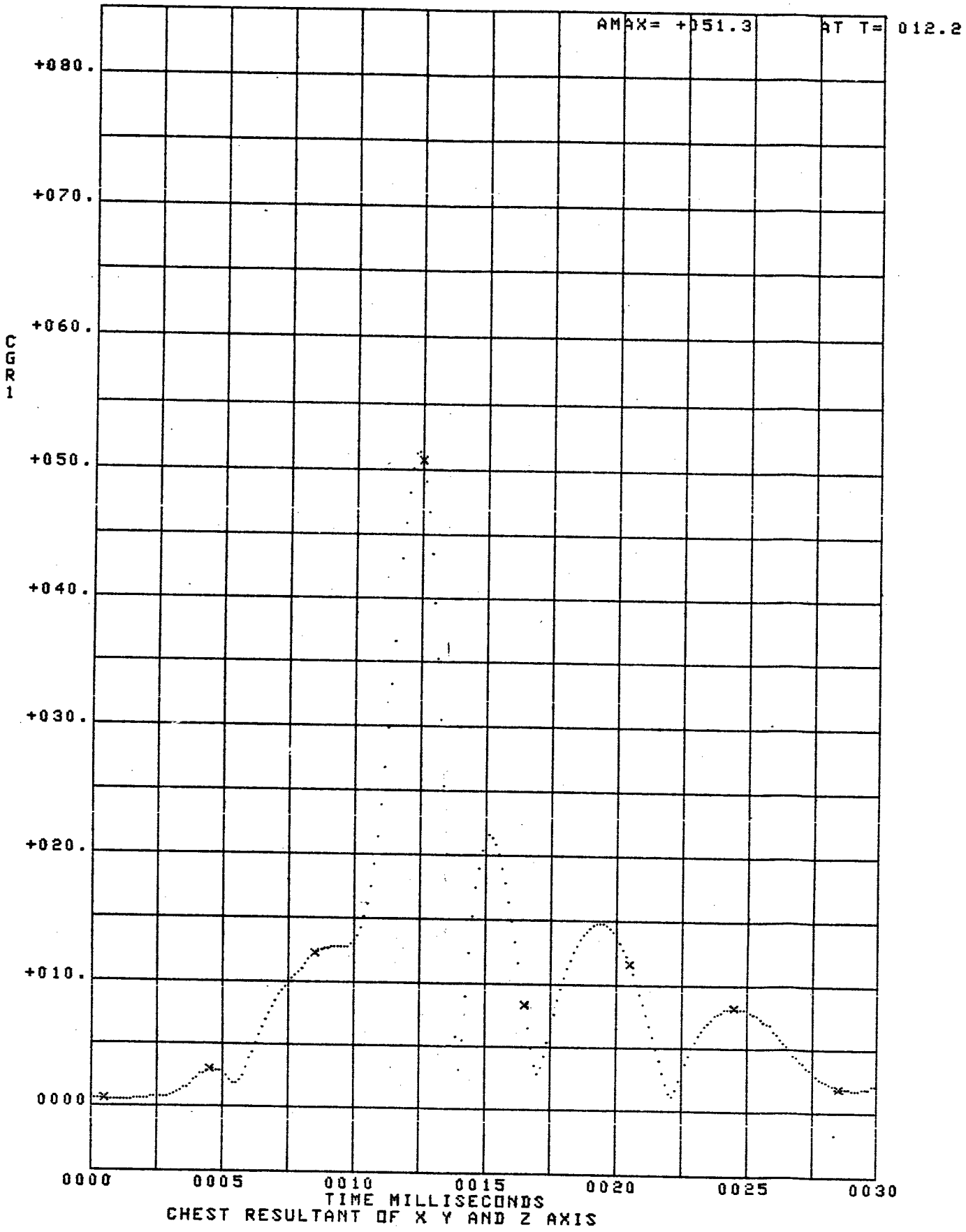
0.120


Chest Impact
Dummy No. 31, Run No. 4
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGX1


CHEST IMPACT
TEST C001
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1

CHEST IMPACT
TEST C001



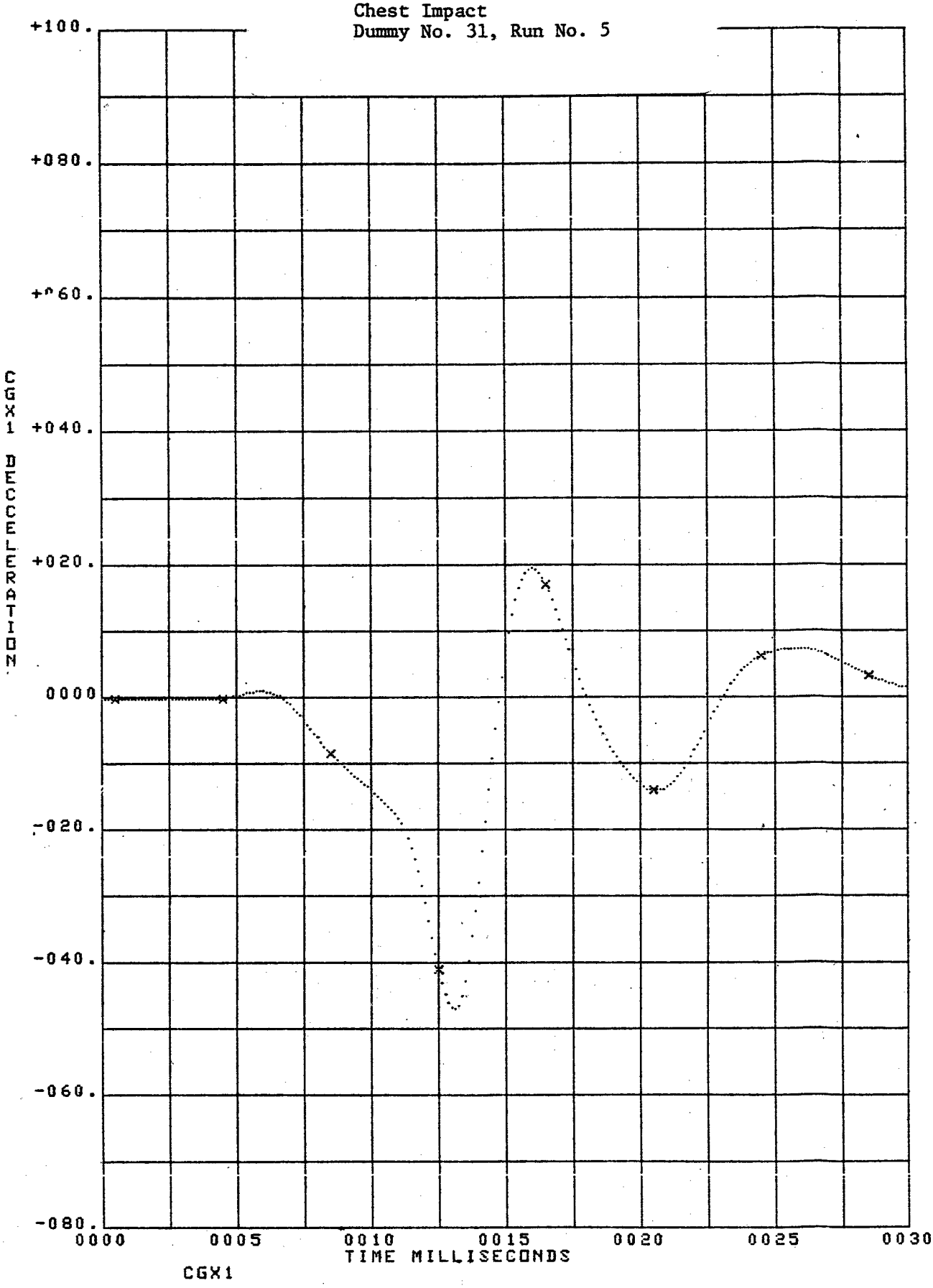

CHEST IMPACT
TEST C001
AMAX= +051.3
AT T= 012.2
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR 1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

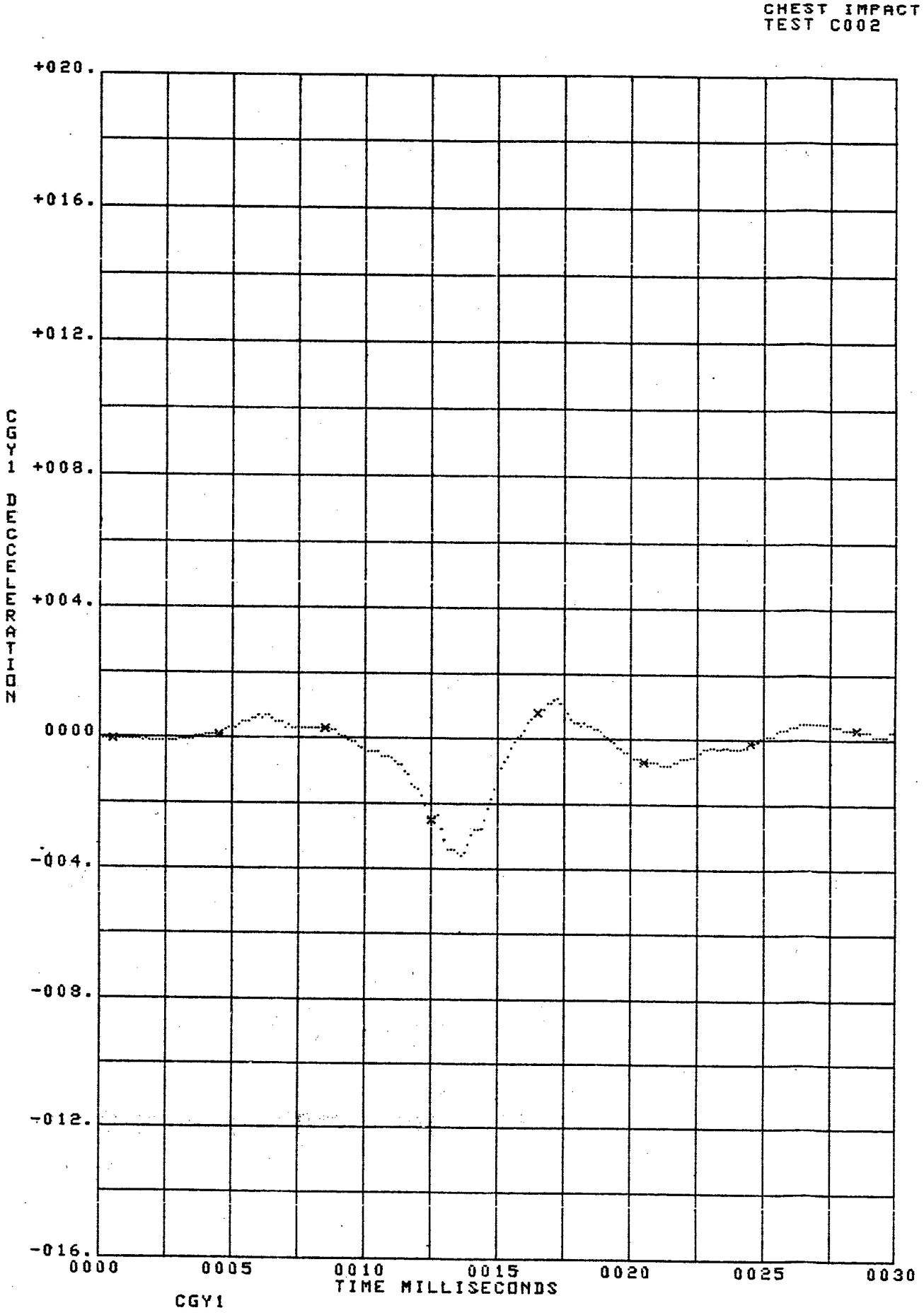
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C001

TIME					
0.0000	+000.1	+000.1	+000.1	+000.1	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.1	+000.1	+000.1
1.8750	+000.1	+000.1	+000.2	+000.2	+000.2
2.5000	+000.2	+000.2	+000.3	+000.3	+000.4
3.1250	+000.6	+000.7	+001.0	+001.0	+001.3
3.7500	+001.6	+001.8	+002.1	+002.2	+002.3
4.3750	+002.5	+002.5	+002.4	+002.3	+002.1
5.0000	+002.0	+001.7	+001.4	+001.4	+001.6
5.6250	+002.0	+002.6	+003.3	+003.9	+004.6
6.2500	+005.3	+005.9	+006.5	+007.0	+007.5
6.8750	+008.0	+008.4	+008.8	+009.1	+009.4
7.5000	+009.7	+010.0	+010.2	+010.5	+010.9
8.1250	+011.2	+011.5	+011.7	+011.8	+011.9
8.7500	+012.1	+012.1	+012.2	+012.2	+012.2
9.3750	+012.2	+012.2	+012.2	+012.5	+012.7
10.0000	+013.1	+013.7	+014.5	+015.6	+017.0
10.6250	+018.7	+020.8	+023.4	+026.3	+029.4
11.2500	+032.8	+036.3	+039.7	+042.9	+045.6
11.8750	+048.0	+050.0	+051.1	+051.3	+050.7
12.5000	+049.1	+046.6	+043.3	+039.3	+034.9
13.1250	+030.1	+024.8	+019.6	+014.5	+009.6
13.7500	+005.2	+002.7	+005.0	+008.5	+011.9
14.3750	+014.7	+016.9	+018.5	+019.8	+020.6
15.0000	+021.0	+020.8	+020.4	+019.6	+018.5
15.6250	+017.3	+015.9	+014.3	+012.8	+011.1
16.2500	+009.5	+007.8	+006.0	+004.4	+003.0
16.8750	+002.4	+002.8	+003.8	+004.9	+006.1
17.5000	+007.2	+008.2	+009.1	+010.0	+010.7
18.1250	+011.4	+011.9	+012.4	+013.0	+013.3
18.7500	+013.6	+013.9	+014.1	+014.2	+014.3
19.3750	+014.2	+014.0	+013.8	+013.6	+013.3
20.0000	+012.8	+012.2	+011.7	+011.1	+010.4
20.6250	+009.5	+008.7	+008.0	+007.1	+006.2
21.2500	+005.4	+004.4	+003.5	+002.5	+001.6
21.8750	+000.9	+000.7	+001.2	+001.9	+002.5
22.5000	+003.3	+003.9	+004.5	+005.0	+005.4
23.1250	+005.9	+006.3	+006.6	+006.8	+007.1
23.7500	+007.2	+007.4	+007.6	+007.6	+007.6
24.3750	+007.8	+007.6	+007.6	+007.6	+007.5
25.0000	+007.3	+007.3	+007.1	+006.9	+006.7
25.6250	+006.5	+006.3	+005.9	+005.7	+005.3
26.2500	+005.0	+004.7	+004.5	+004.0	+003.9
26.8750	+003.6	+003.3	+003.0	+002.8	+002.6
27.5000	+002.4	+002.2	+002.0	+001.9	+001.7
28.1250	+001.6	+001.4	+001.4	+001.4	+001.4
28.7500	+001.4	+001.3	+001.3	+001.3	+001.4
29.3750	+001.4	+001.4	+001.6	+001.6	+001.7
30.0000	+001.8	+002.0	+002.1	+002.4	+002.6
30.6250	+002.8	+002.9	+003.1	+003.3	+003.4
31.2500	+003.6	+003.8	+003.9	+004.1	+004.2
31.8750	+004.3	+004.4	+004.6	+004.6	+004.6
32.5000	+004.6	+004.8	+004.7	+004.8	+004.8
33.1250	+004.8	+004.8	+004.8	+004.8	+004.8
33.7500	+004.7	+004.7	+004.7	+004.6	+004.6
34.3750	+004.5	+004.5	+004.5	+004.3	+004.3
35.0000	+004.3	+004.3	+004.3	+004.3	+004.1
35.6250	+004.1	+004.0	+004.0	+003.9	+003.9
36.2500	+003.8	+003.8	+003.6	+003.6	+003.6
36.8750	+003.5	+003.5	+003.5	+003.3	+003.3

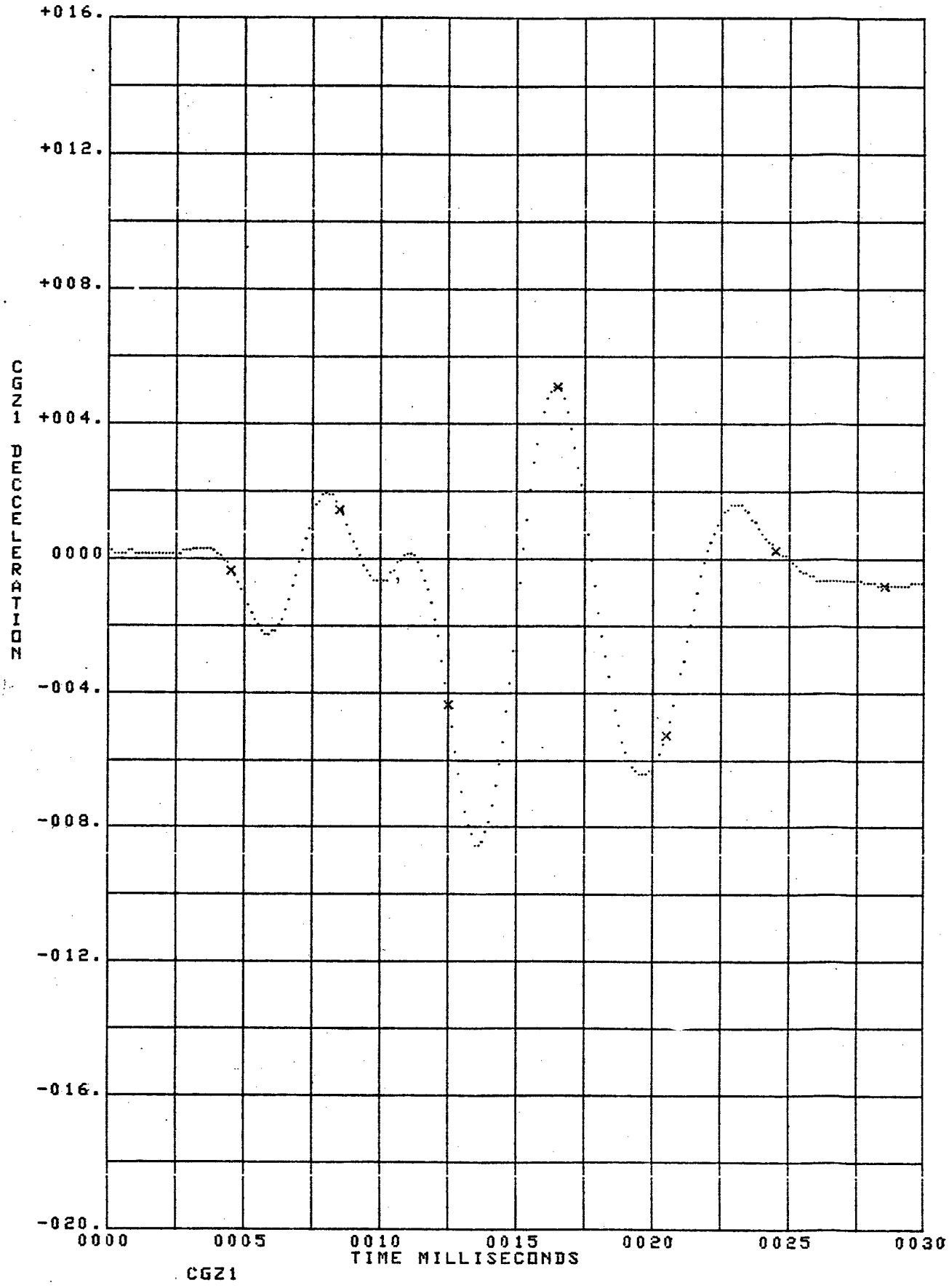
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C001		
37.5000	+003.2	+003.3	+003.2	+003.2	+003.2	
38.1250	+003.2	+003.2	+003.3	+003.3	+003.3	
38.7500	+003.3	+003.5	+003.5	+003.5	+003.5	
39.3750	+003.5	+003.5	+003.6	+003.6	+003.8	
40.0000	+003.8	+003.8	+003.8	+003.9	+004.0	
40.6250	+004.0	+004.0	+004.1	+004.1	+004.1	
41.2500	+004.1	+004.1	+004.1	+004.1	+004.1	
41.8750	+004.1	+004.0	+004.0	+004.0	+003.9	
42.5000	+003.9	+003.9	+003.8	+003.8	+003.8	
43.1250	+003.7	+003.7	+003.6	+003.5	+003.5	
43.7500	+003.5	+003.5	+003.3	+003.3	+003.2	
44.3750	+003.0	+003.0	+002.8	+002.8	+002.7	
45.0000	+002.6	+002.5	+002.4	+002.3	+002.1	
45.6250	+002.1	+002.1	+002.0	+001.9	+001.8	
46.2500	+001.8	+001.7	+001.7	+001.6	+001.6	
46.8750	+001.5	+001.5	+001.5	+001.4	+001.4	
47.5000	+001.4	+001.4	+001.4	+001.4	+001.3	
48.1250	+001.3	+001.3	+001.3	+001.3	+001.3	
48.7500	+001.3	+001.3	+001.4	+001.4	+001.4	
49.3750	+001.4	+001.5	+001.5	+001.5	+001.6	
50.0000	+001.6	+001.6	+001.6	+001.7	+001.7	
50.6250	+001.7	+001.8	+001.8	+001.8	+001.9	
51.2500	+002.0	+002.0	+002.0	+002.0	+002.1	
51.8750	+002.1	+002.1	+002.1	+002.2	+002.2	
52.5000	+002.2	+002.1	+002.2	+002.2	+002.2	
53.1250	+002.2	+002.2	+002.2	+002.2	+002.3	
53.7500	+002.3	+002.3	+002.3	+002.3	+002.3	
54.3750	+002.3	+002.3	+002.3	+002.4	+002.4	
55.0000	+002.4	+002.4	+002.4	+002.3	+002.4	
55.6250	+002.4	+002.4	+002.4	+002.4	+002.3	
56.2500	+002.3	+002.3	+002.3	+002.3	+002.2	
56.8750	+002.2	+002.1	+002.1	+002.1	+002.0	
57.5000	+001.9	+002.0	+001.9	+001.9	+001.8	
58.1250	+001.8	+001.7	+001.7	+001.6	+001.7	
58.7500	+001.7	+001.7	+001.6	+001.6	+001.7	
59.3750	+001.7	+001.7	+001.6	+001.6	+313.4	

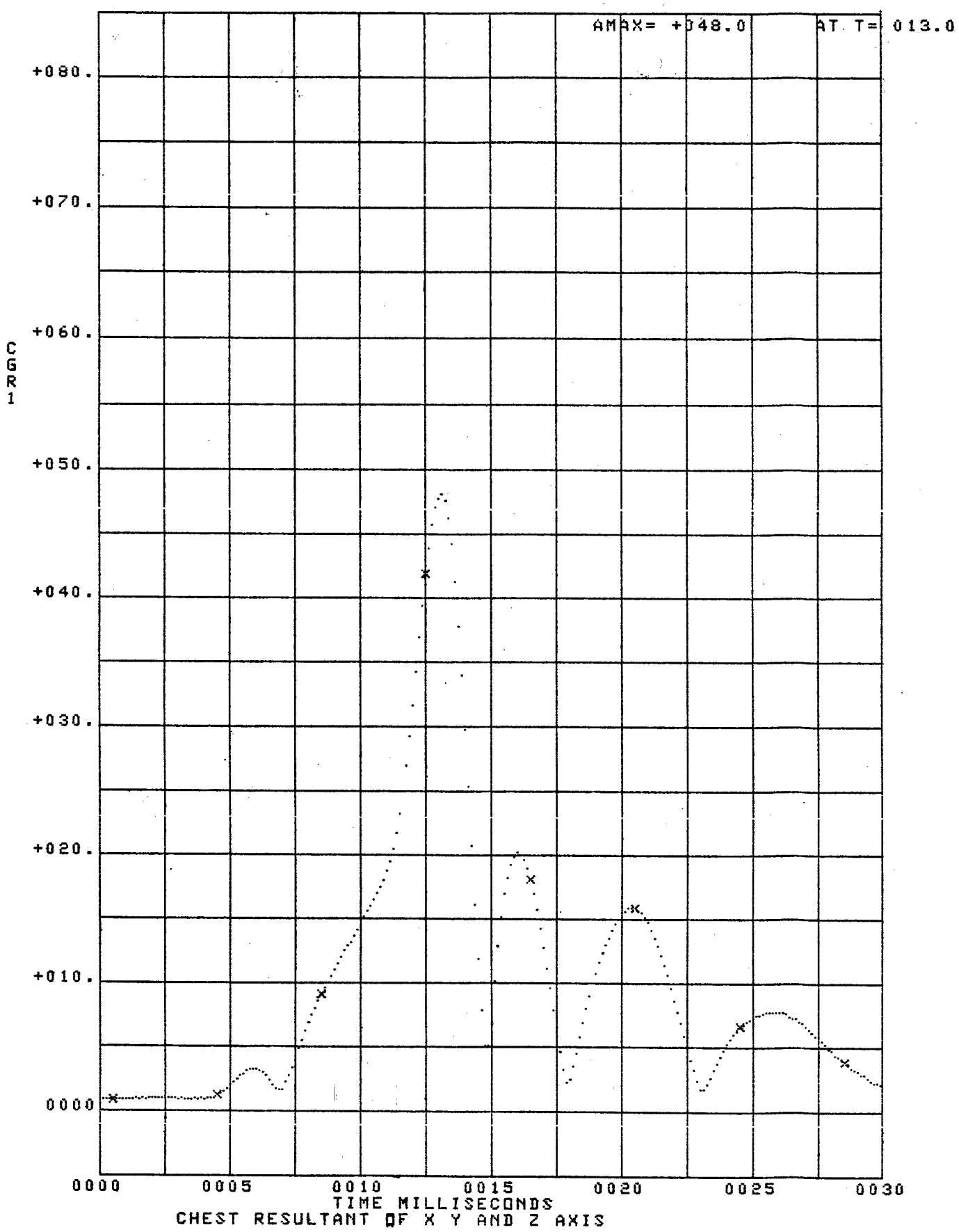
AMAX= +051.3 AT T=012.2


Chest Impact
Dummy No. 31, Run No. 5
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGX1


CHEST IMPACT
TEST C002
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1

CHEST IMPACT
TEST C002




CHEST IMPACT
TEST C002
AMAX= +048.0
AT T= 013.0
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR
1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

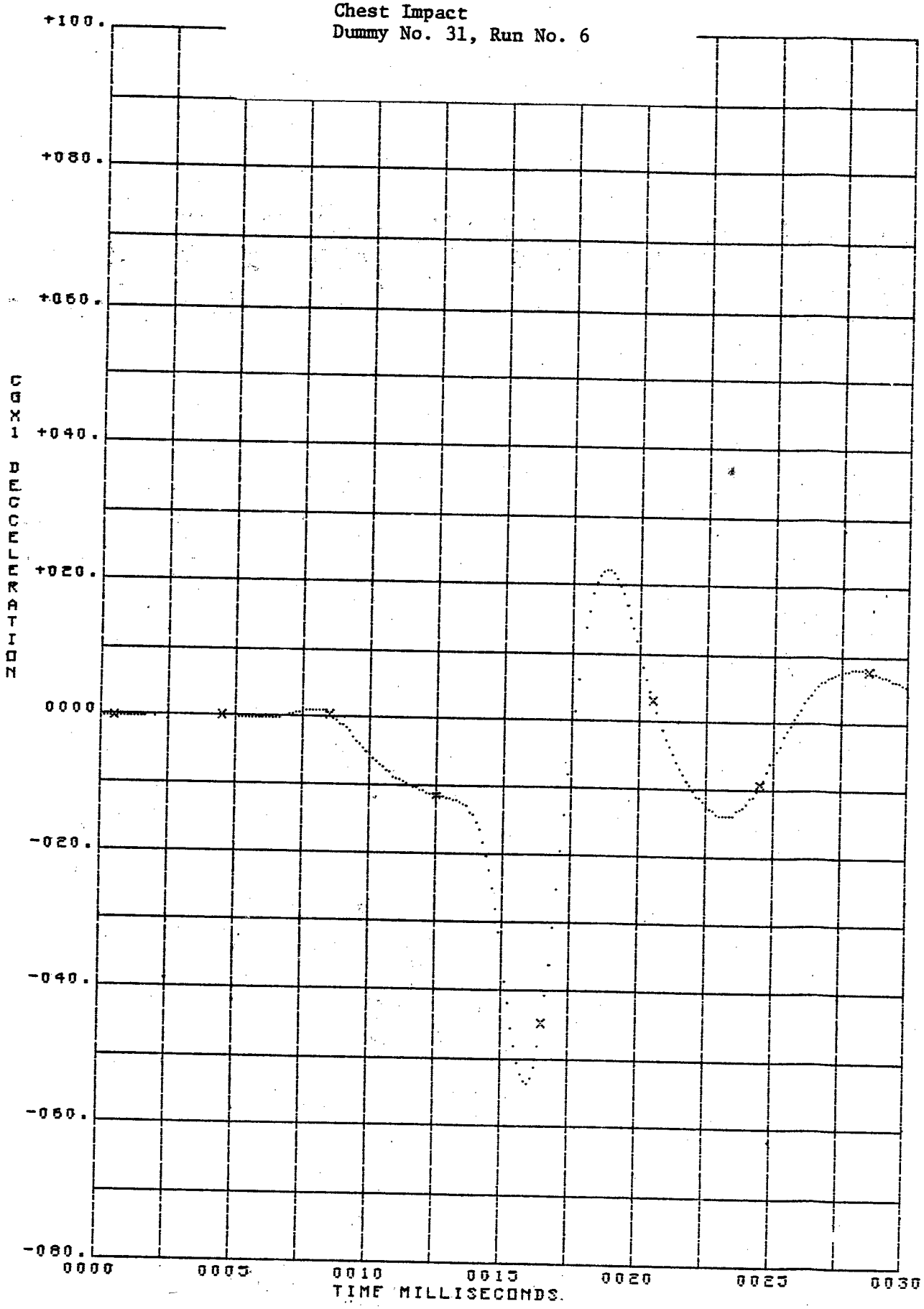
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C002

TIME					
0.0000	+000.3	+000.4	+000.4	+000.4	+000.4
0.6250	+000.3	+000.3	+000.4	+000.4	+000.4
1.2500	+000.4	+000.4	+000.4	+000.4	+000.5
1.8750	+000.5	+000.5	+000.5	+000.5	+000.5
2.5000	+000.5	+000.4	+000.4	+000.4	+000.5
3.1250	+000.4	+000.4	+000.4	+000.4	+000.3
3.7500	+000.4	+000.4	+000.5	+000.5	+000.5
4.3750	+000.8	+000.9	+001.0	+001.2	+001.5
5.0000	+001.8	+002.0	+002.2	+002.4	+002.6
5.6250	+002.8	+002.8	+002.7	+002.7	+002.5
6.2500	+002.2	+001.9	+001.6	+001.3	+001.2
6.8750	+001.1	+001.7	+002.2	+002.9	+003.6
7.5000	+004.4	+005.0	+005.8	+006.3	+007.0
8.1250	+007.5	+008.1	+008.6	+009.1	+009.5
8.7500	+010.0	+010.5	+011.0	+011.4	+011.9
9.3750	+012.3	+012.6	+013.2	+013.6	+014.1
10.0000	+014.6	+015.1	+015.5	+015.9	+016.4
10.6250	+017.0	+017.5	+018.1	+018.9	+019.9
11.2500	+021.2	+022.7	+024.5	+026.5	+028.7
11.8750	+031.2	+033.9	+036.5	+039.1	+041.6
12.5000	+043.7	+045.5	+046.9	+047.6	+048.0
13.1250	+047.5	+046.1	+044.0	+041.0	+037.5
13.7500	+033.6	+029.3	+024.8	+020.2	+015.7
14.3750	+011.3	+007.4	+004.7	+004.7	+007.0
15.0000	+009.7	+012.4	+014.6	+016.5	+017.7
15.6250	+018.7	+019.4	+019.7	+019.5	+019.1
16.2500	+018.5	+017.6	+016.5	+015.1	+013.8
16.8750	+012.2	+010.6	+009.1	+007.4	+005.8
17.5000	+004.1	+002.7	+001.7	+002.0	+003.0
18.1250	+004.1	+005.3	+006.4	+007.5	+008.5
18.7500	+009.5	+010.3	+011.1	+011.8	+012.4
19.3750	+013.0	+013.6	+014.1	+014.5	+014.9
20.0000	+015.1	+015.3	+015.3	+015.3	+015.1
20.6250	+015.0	+014.6	+014.2	+013.6	+013.0
21.2500	+012.4	+011.6	+010.8	+010.1	+009.1
21.8750	+008.1	+007.2	+006.3	+005.4	+004.5
22.5000	+003.5	+002.7	+001.9	+001.3	+001.3
23.1250	+001.6	+002.1	+002.7	+003.3	+003.8
23.7500	+004.3	+004.7	+005.1	+005.5	+005.8
24.3750	+006.1	+006.3	+006.5	+006.7	+006.8
25.0000	+007.0	+007.1	+007.2	+007.2	+007.2
25.6250	+007.2	+007.2	+007.2	+007.2	+007.1
26.2500	+006.9	+006.8	+006.8	+006.5	+006.3
26.8750	+006.1	+005.8	+005.7	+005.4	+005.2
27.5000	+005.0	+004.7	+004.4	+004.2	+003.9
28.1250	+003.8	+003.5	+003.4	+003.2	+002.9
28.7500	+002.8	+002.6	+002.4	+002.3	+002.1
29.3750	+001.9	+001.8	+001.7	+001.7	+001.6
30.0000	+001.6	+001.6	+001.6	+001.6	+001.7
30.6250	+001.8	+001.8	+001.8	+002.0	+002.0
31.2500	+002.0	+002.2	+002.3	+002.5	+002.5
31.8750	+002.6	+002.6	+002.7	+002.8	+002.9
32.5000	+002.9	+003.0	+003.1	+003.2	+003.3
33.1250	+003.4	+003.4	+003.6	+003.6	+003.8
33.7500	+003.8	+003.9	+004.1	+004.2	+004.3
34.3750	+004.4	+004.4	+004.4	+004.4	+004.5
35.0000	+004.5	+004.5	+004.6	+004.6	+004.6
35.6250	+004.6	+004.6	+004.6	+004.5	+004.5
36.2500	+004.5	+004.5	+004.5	+004.5	+004.5
36.8750	+004.5	+004.5	+004.4	+004.4	+004.4

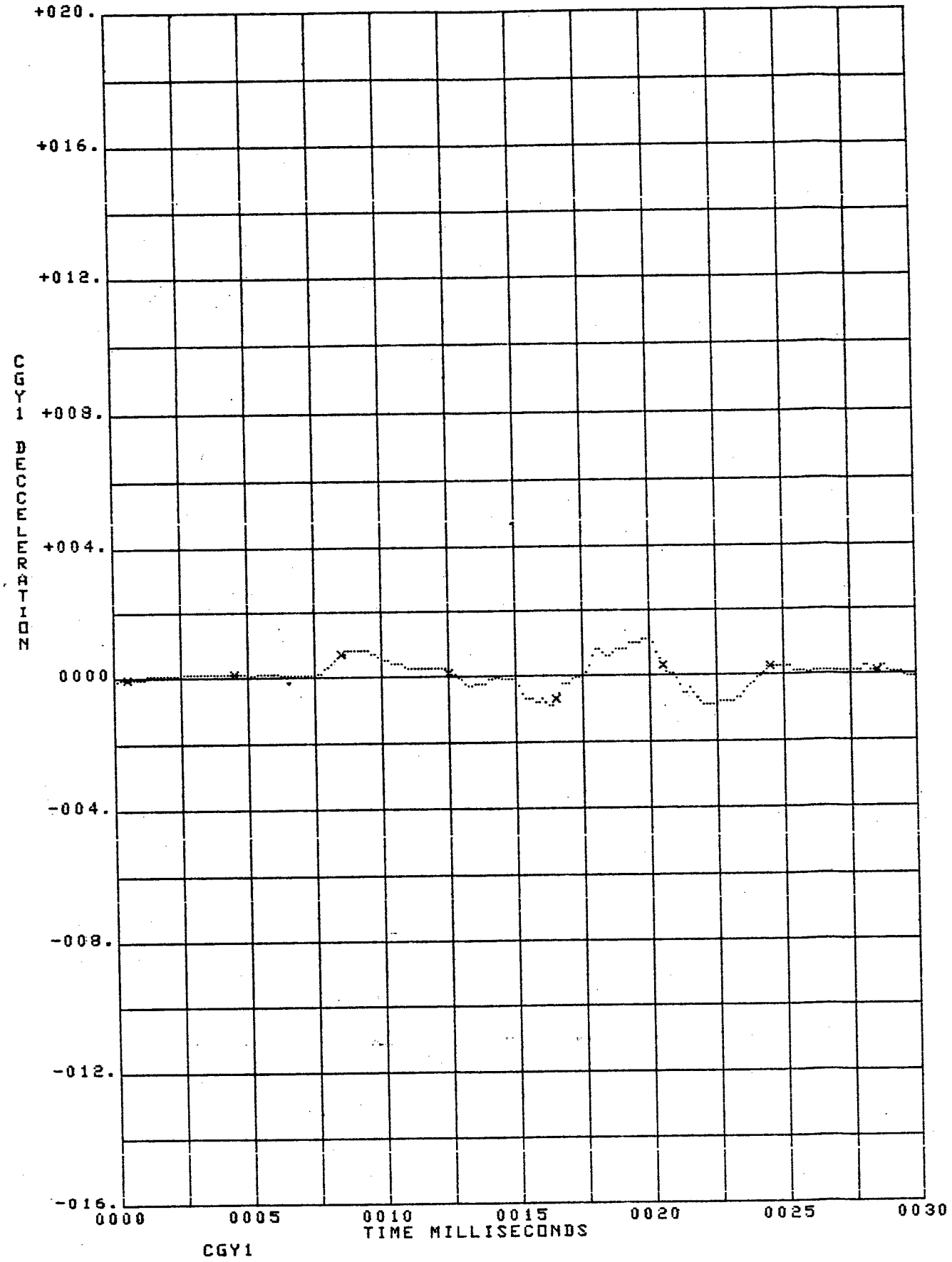
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C002		
37.5000	+004.4	+004.5	+004.5	+004.6	+004.5	
38.1250	+004.5	+004.6	+004.6	+004.6	+004.7	
38.7500	+004.7	+004.7	+004.8	+004.8	+004.8	
39.3750	+004.8	+004.8	+004.8	+004.8	+004.7	
40.0000	+004.7	+004.7	+004.7	+004.6	+004.6	
40.6250	+004.5	+004.5	+004.4	+004.4	+004.3	
41.2500	+004.3	+004.3	+004.1	+004.1	+004.0	
41.8750	+004.0	+003.9	+003.8	+003.7	+003.7	
42.5000	+003.6	+003.5	+003.4	+003.4	+003.3	
43.1250	+003.2	+003.1	+003.0	+002.9	+002.9	
43.7500	+002.8	+002.8	+002.7	+002.5	+002.5	
44.3750	+002.4	+002.4	+002.3	+002.3	+002.2	
45.0000	+002.2	+002.1	+002.1	+002.1	+002.0	
45.6250	+002.1	+001.9	+002.0	+002.0	+002.0	
46.2500	+002.0	+002.0	+002.0	+002.0	+002.0	
46.8750	+002.0	+002.0	+002.1	+002.1	+002.1	
47.5000	+002.1	+002.1	+002.1	+002.2	+002.2	
48.1250	+002.2	+002.2	+002.2	+002.1	+002.2	
48.7500	+002.2	+002.1	+002.2	+002.1	+002.1	
49.3750	+002.1	+002.1	+002.1	+002.1	+002.1	
50.0000	+002.1	+002.1	+002.1	+002.1	+002.1	
50.6250	+002.1	+002.1	+002.1	+002.1	+002.0	
51.2500	+002.1	+002.0	+002.0	+002.0	+002.0	
51.8750	+002.0	+002.0	+002.0	+002.0	+002.0	
52.5000	+002.0	+002.0	+002.1	+002.0	+002.1	
53.1250	+002.1	+002.1	+002.1	+002.1	+002.1	
53.7500	+002.1	+002.1	+002.2	+002.2	+002.2	
54.3750	+002.2	+002.1	+002.1	+002.1	+002.1	
55.0000	+002.2	+002.2	+002.2	+002.1	+002.1	
55.6250	+002.1	+002.2	+002.2	+002.2	+002.2	
56.2500	+002.2	+002.2	+002.2	+002.2	+002.2	
56.8750	+002.2	+002.2	+002.1	+002.1	+002.1	
57.5000	+002.1	+002.1	+002.1	+002.1	+002.0	
58.1250	+002.0	+002.0	+002.0	+002.0	+002.0	
58.7500	+002.0	+002.0	+002.0	+002.0	+002.0	
59.3750	+001.9	+001.9	+002.0	+002.0	+313.4	

AMAX= +048.0 AT T=013.0

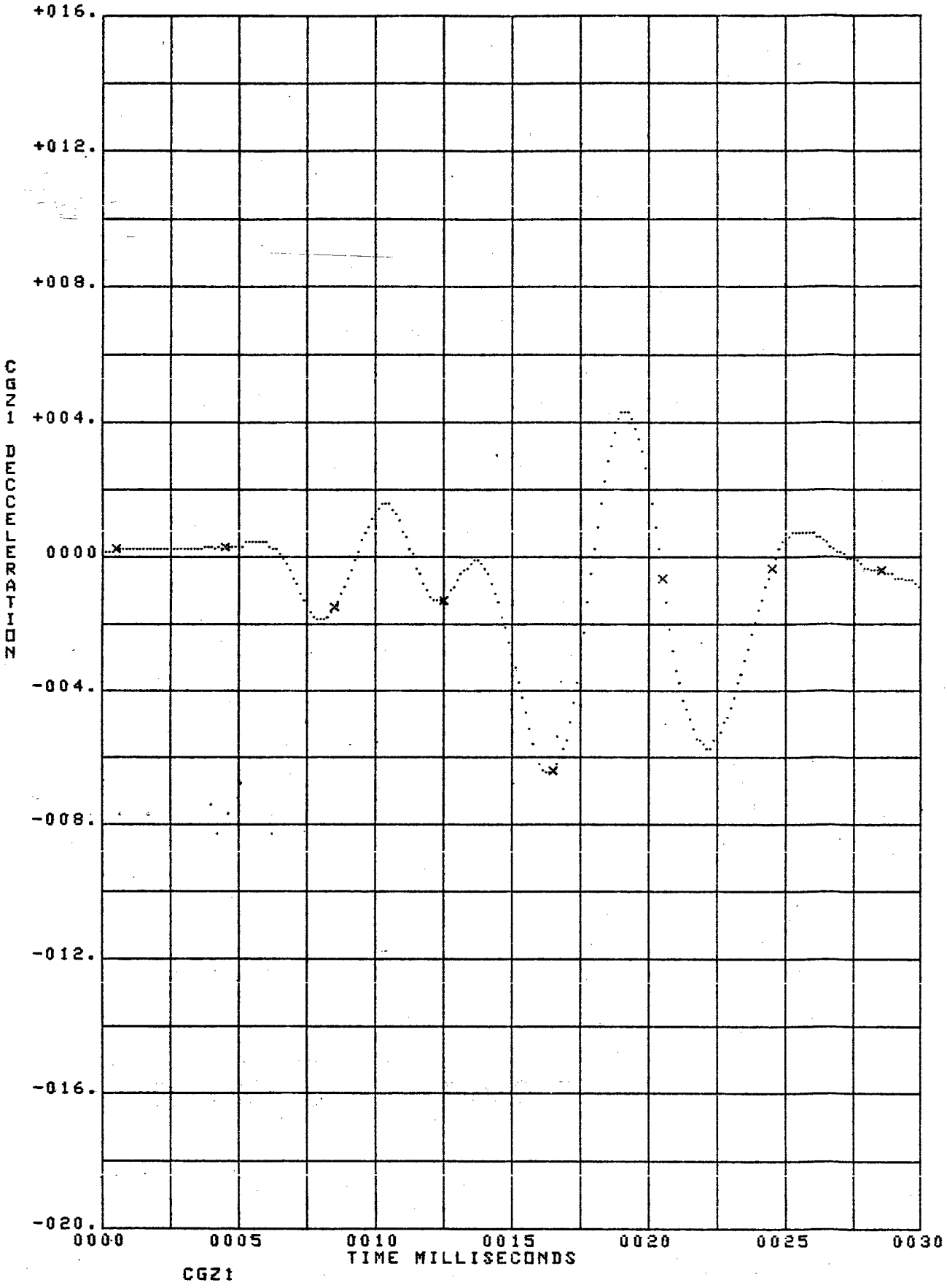
Chest Impact
Dummy No. 31, Run No. 6

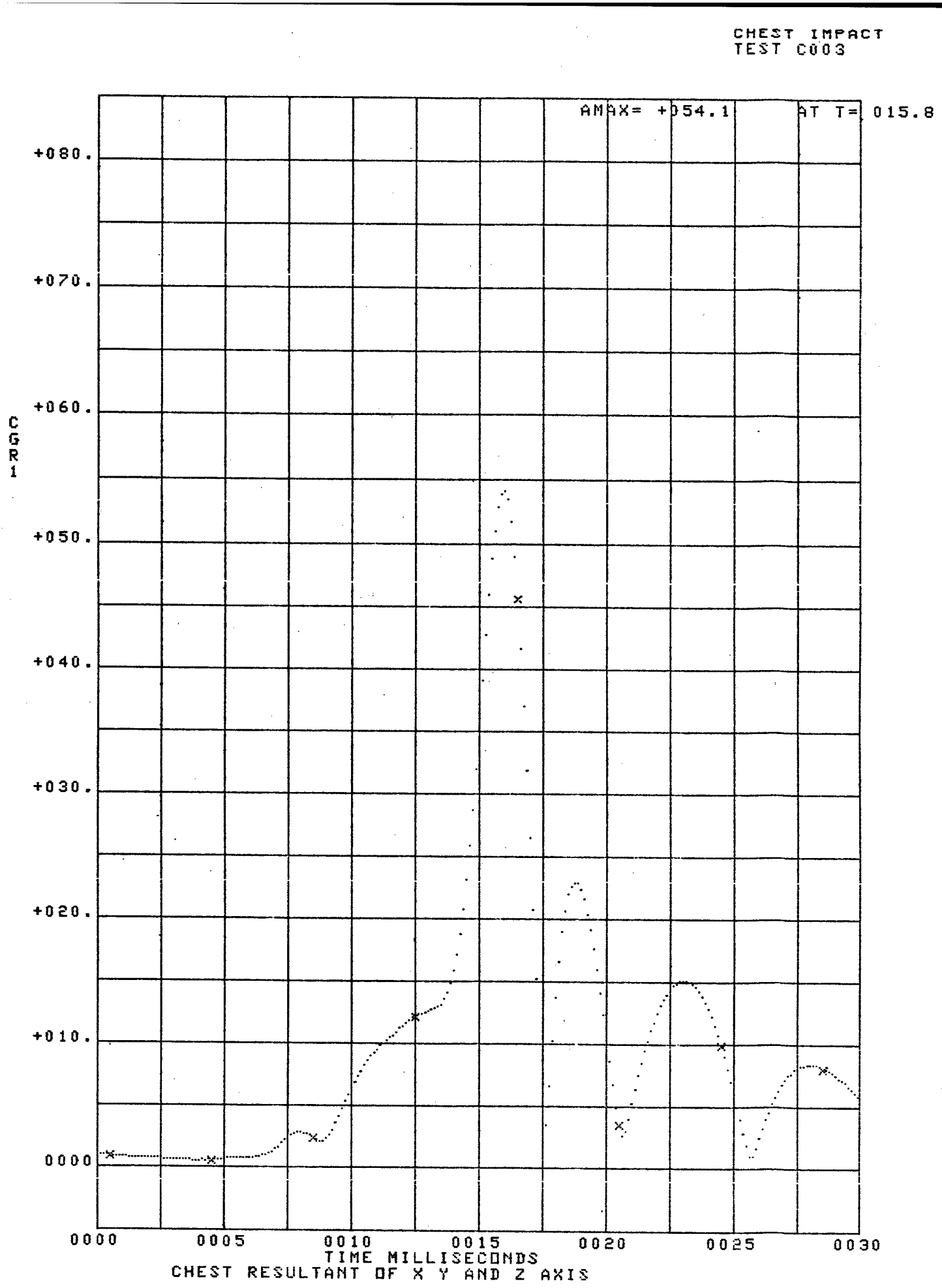


CHEST IMPACT
TEST C003



CHEST IMPACT
TEST C003



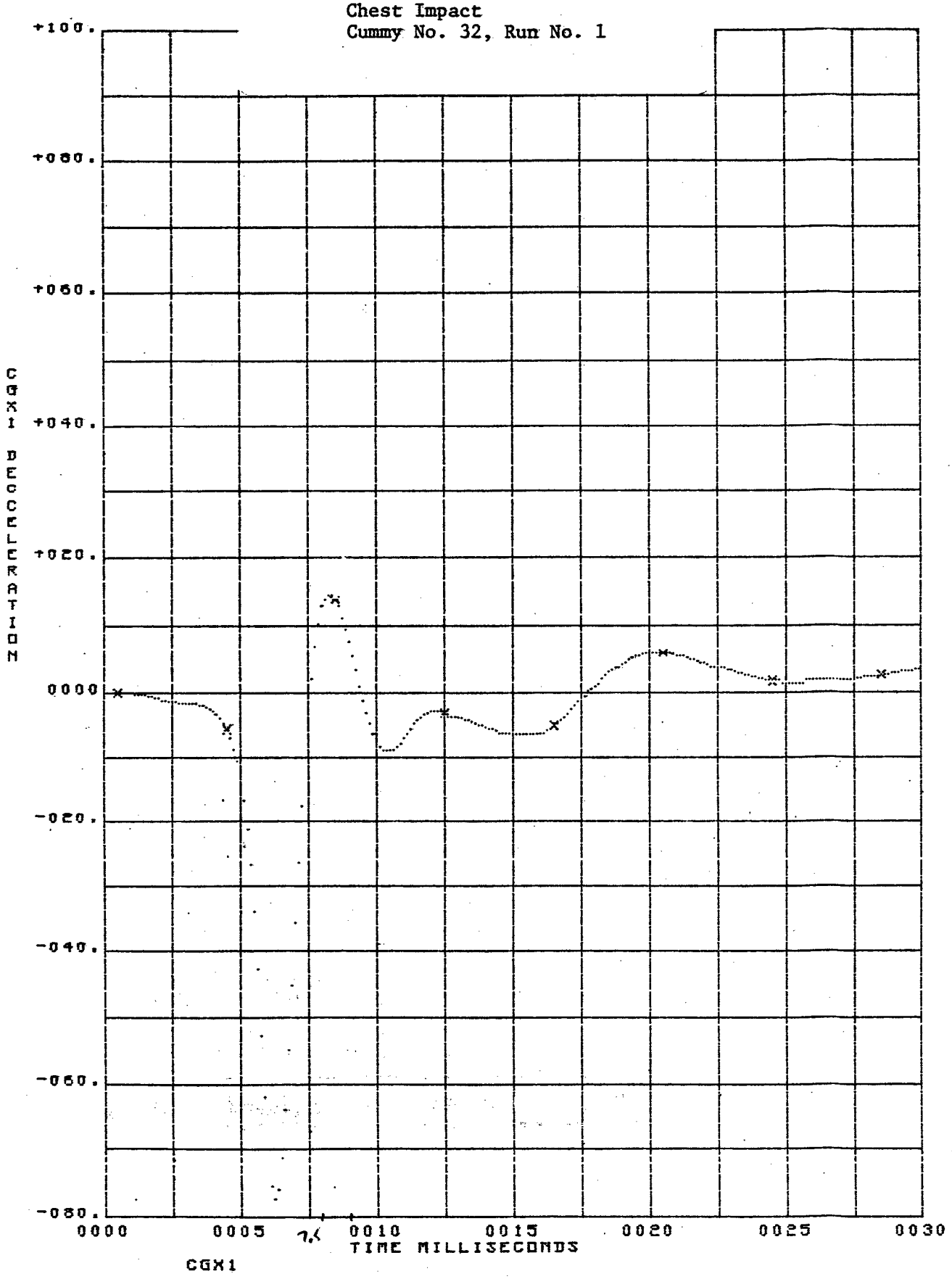

CHEST IMPACT
TEST C003
AMAX= +054.1
AT T= 015.8
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

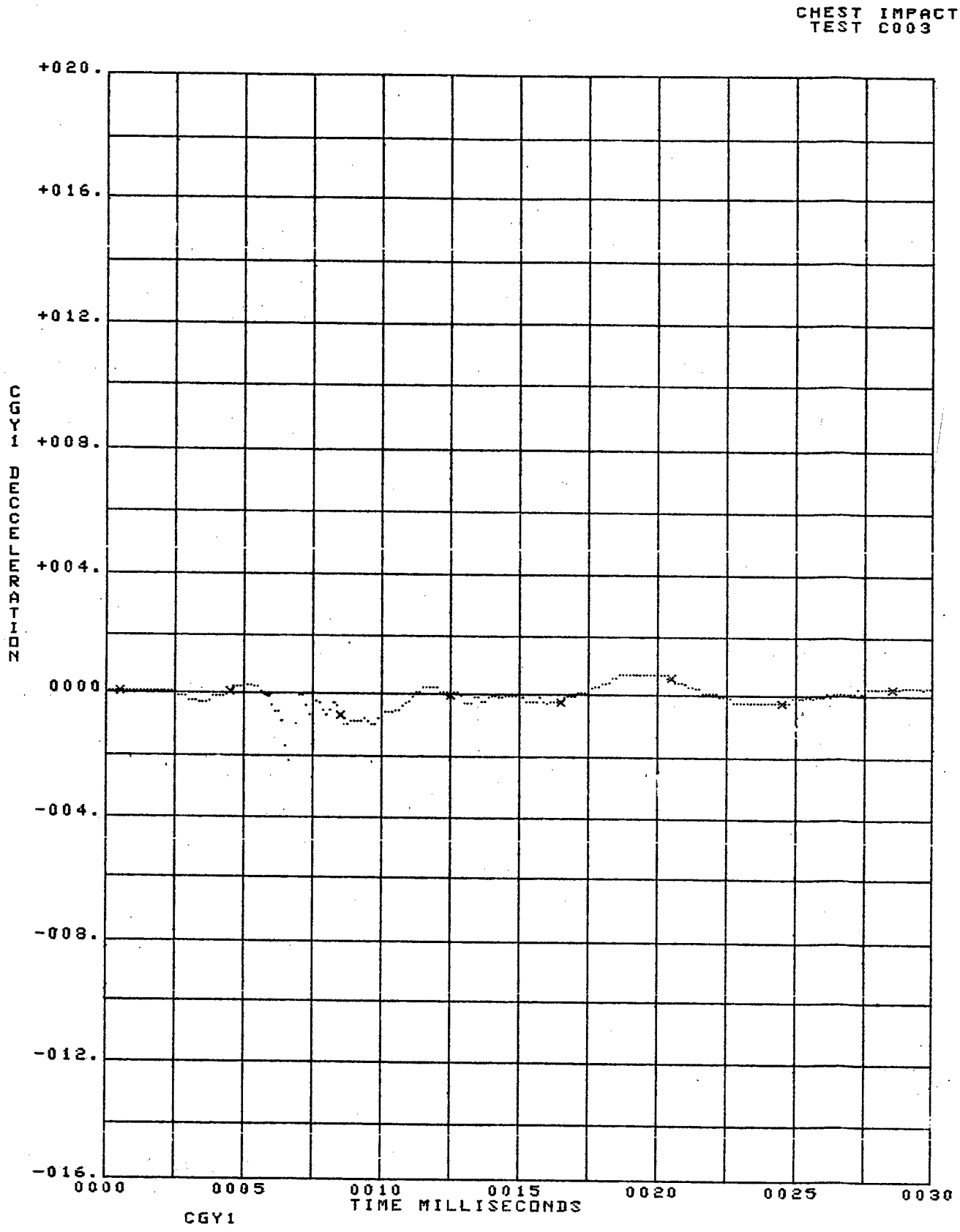
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C003

TIME					
0.0000	+000.5	+000.4	+000.4	+000.4	+000.3
0.6250	+000.3	+000.3	+000.3	+000.3	+000.3
1.2500	+000.3	+000.3	+000.3	+000.2	+000.2
1.8750	+000.3	+000.2	+000.2	+000.2	+000.2
2.5000	+000.2	+000.2	+000.2	+000.2	+000.2
3.1250	+000.1	+000.2	+000.1	+000.1	+000.0
3.7500	+000.0	+000.0	+000.2	+000.0	+000.1
4.3750	+000.0	+000.1	+000.1	+000.1	+000.1
5.0000	+000.3	+000.3	+000.2	+000.3	+000.3
5.6250	+000.3	+000.3	+000.3	+000.3	+000.3
6.2500	+000.3	+000.4	+000.5	+000.6	+000.7
6.8750	+001.0	+001.2	+001.5	+001.7	+001.9
7.5000	+002.1	+002.2	+002.3	+002.3	+002.3
8.1250	+002.2	+002.1	+001.9	+001.8	+001.7
8.7500	+001.7	+001.8	+002.1	+002.5	+003.1
9.3750	+003.7	+004.2	+004.9	+005.4	+005.9
10.0000	+006.3	+006.8	+007.3	+007.7	+008.1
10.6250	+008.5	+008.7	+009.0	+009.3	+009.5
11.2500	+009.7	+010.0	+010.2	+010.4	+010.7
11.8750	+010.9	+011.1	+011.3	+011.5	+011.6
12.5000	+011.8	+011.9	+012.0	+012.0	+012.2
13.1250	+012.3	+012.5	+012.6	+013.1	+013.6
13.7500	+014.3	+015.3	+016.6	+018.2	+020.2
14.3750	+022.6	+025.3	+028.2	+031.5	+035.2
15.0000	+038.9	+042.5	+045.8	+048.7	+050.9
15.6250	+052.8	+053.8	+054.1	+053.4	+051.6
16.2500	+048.9	+045.5	+041.3	+036.6	+031.4
16.8750	+025.9	+020.2	+014.8	+009.4	+004.8
17.5000	+003.0	+006.1	+009.8	+013.3	+016.2
18.1250	+018.4	+020.1	+021.4	+022.1	+022.3
18.7500	+022.3	+021.9	+021.0	+019.8	+018.6
19.3750	+017.1	+015.4	+013.6	+011.8	+010.0
20.0000	+008.1	+006.2	+004.4	+002.9	+002.2
20.6250	+002.5	+003.5	+004.8	+005.9	+007.0
21.2500	+008.0	+009.0	+009.8	+010.6	+011.3
21.8750	+011.9	+012.6	+013.1	+013.5	+014.0
22.5000	+014.2	+014.4	+014.6	+014.6	+014.6
23.1250	+014.5	+014.3	+014.1	+013.7	+013.4
23.7500	+012.9	+012.3	+011.7	+011.0	+010.3
24.3750	+009.4	+008.5	+007.5	+006.5	+005.6
25.0000	+004.5	+003.5	+002.4	+001.4	+000.5
25.6250	+000.4	+001.2	+002.0	+002.8	+003.5
26.2500	+004.1	+004.8	+005.3	+005.7	+006.2
26.8750	+006.7	+007.0	+007.2	+007.5	+007.5
27.5000	+007.7	+007.7	+007.9	+007.9	+007.9
28.1250	+007.9	+007.7	+007.5	+007.5	+007.4
28.7500	+007.2	+007.0	+006.8	+006.6	+006.5
29.3750	+006.1	+005.9	+005.6	+005.4	+005.2
30.0000	+004.8	+004.6	+004.3	+004.1	+003.8
30.6250	+003.7	+003.5	+003.3	+003.2	+003.0
31.2500	+002.8	+002.8	+002.7	+002.6	+002.5
31.8750	+002.5	+002.4	+002.3	+002.3	+002.3
32.5000	+002.2	+002.2	+002.2	+002.2	+002.1
33.1250	+002.3	+002.4	+002.5	+002.6	+002.7
33.7500	+002.8	+003.0	+003.1	+003.3	+003.6
34.3750	+003.7	+003.9	+004.1	+004.2	+004.5
35.0000	+004.6	+004.7	+005.0	+005.0	+005.0
35.6250	+005.0	+005.1	+005.1	+005.1	+005.1
36.2500	+005.1	+005.0	+005.0	+005.0	+005.0
36.8750	+004.9	+004.9	+004.8	+004.8	+004.8

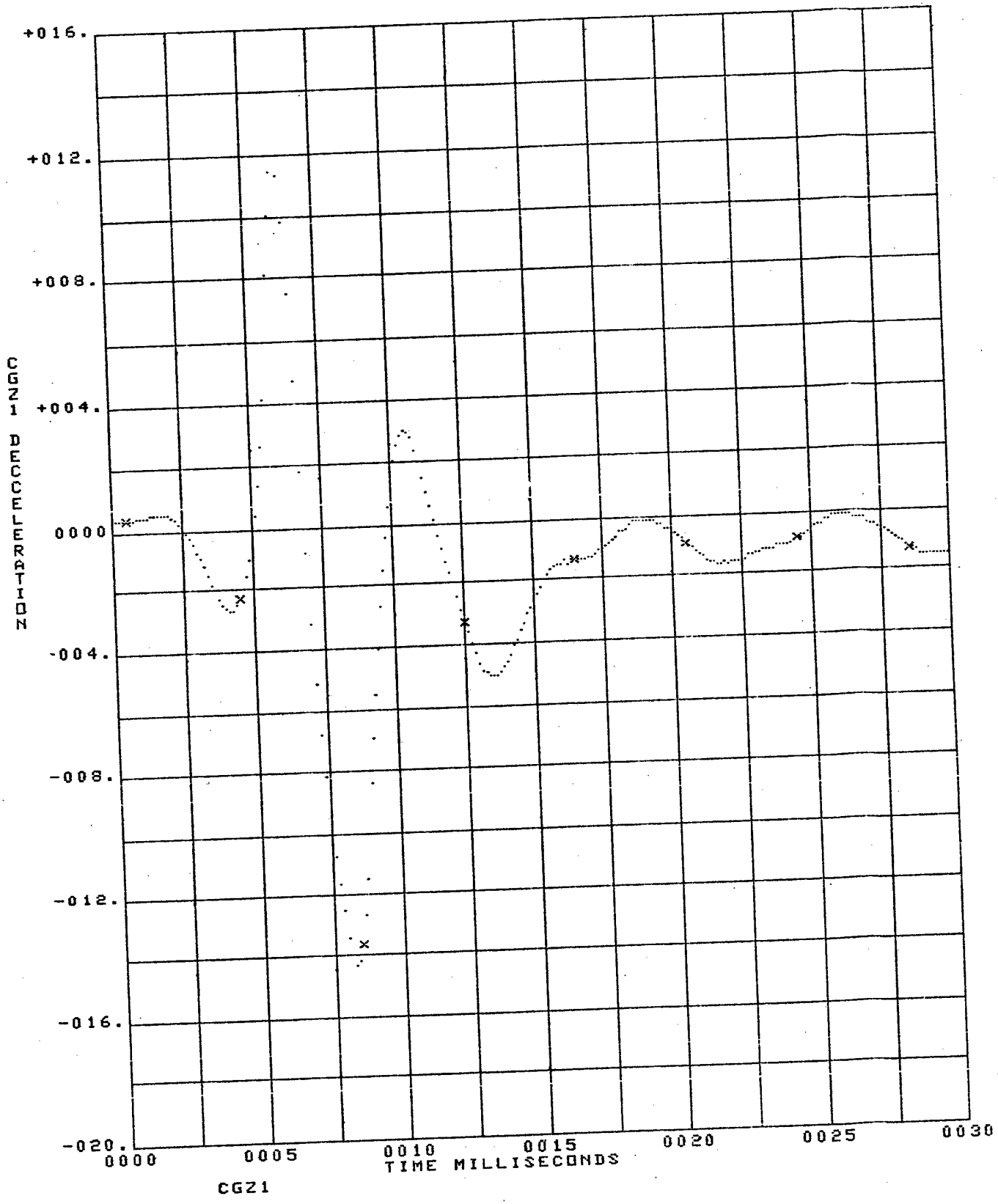
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C003		
37.5000	+004.7	+004.7	+004.7	+004.7	+004.7	
38.1250	+004.7	+004.7	+004.6	+004.6	+004.5	
38.7500	+004.5	+004.5	+004.5	+004.5	+004.5	
39.3750	+004.5	+004.5	+004.4	+004.4	+004.4	
40.0000	+004.4	+004.4	+004.4	+004.4	+004.4	
40.6250	+004.2	+004.2	+004.2	+004.2	+004.2	
41.2500	+004.1	+004.1	+004.1	+004.1	+004.0	
41.8750	+003.9	+003.9	+003.9	+003.9	+003.8	
42.5000	+003.9	+003.8	+003.8	+003.9	+003.9	
43.1250	+003.9	+003.9	+003.9	+003.9	+003.9	
43.7500	+003.9	+003.9	+003.9	+003.9	+003.8	
44.3750	+003.8	+003.8	+003.8	+003.8	+003.8	
45.0000	+003.8	+003.8	+003.8	+003.8	+003.6	
45.6250	+003.6	+003.6	+003.6	+003.6	+003.5	
46.2500	+003.5	+003.4	+003.4	+003.3	+003.3	
46.8750	+003.2	+003.2	+003.2	+003.0	+003.0	
47.5000	+003.0	+003.0	+003.0	+003.0	+002.8	
48.1250	+002.8	+002.8	+002.8	+002.8	+002.7	
48.7500	+002.5	+002.5	+002.5	+002.5	+002.4	
49.3750	+002.3	+002.3	+002.2	+002.2	+002.1	
50.0000	+002.1	+001.9	+001.9	+001.9	+001.9	
50.6250	+001.8	+001.8	+001.8	+001.7	+001.7	
51.2500	+001.6	+001.7	+001.7	+001.7	+001.6	
51.8750	+001.6	+001.6	+001.8	+001.7	+001.7	
52.5000	+001.7	+001.6	+001.7	+001.7	+001.8	
53.1250	+001.8	+001.8	+001.8	+001.8	+001.8	
53.7500	+001.9	+001.9	+001.9	+001.9	+001.9	
54.3750	+001.9	+002.0	+002.0	+002.0	+002.0	
55.0000	+002.0	+002.0	+002.0	+002.0	+002.0	
55.6250	+002.0	+002.0	+002.0	+002.0	+002.1	
56.2500	+002.1	+002.1	+002.1	+002.1	+002.2	
56.8750	+002.2	+002.3	+002.3	+002.3	+002.4	
57.5000	+002.4	+002.4	+002.4	+002.4	+002.4	
58.1250	+002.5	+002.5	+002.5	+002.4	+002.4	
58.7500	+002.4	+002.3	+002.4	+002.3	+002.3	
59.3750	+002.4	+002.2	+002.2	+002.2	+313.4	

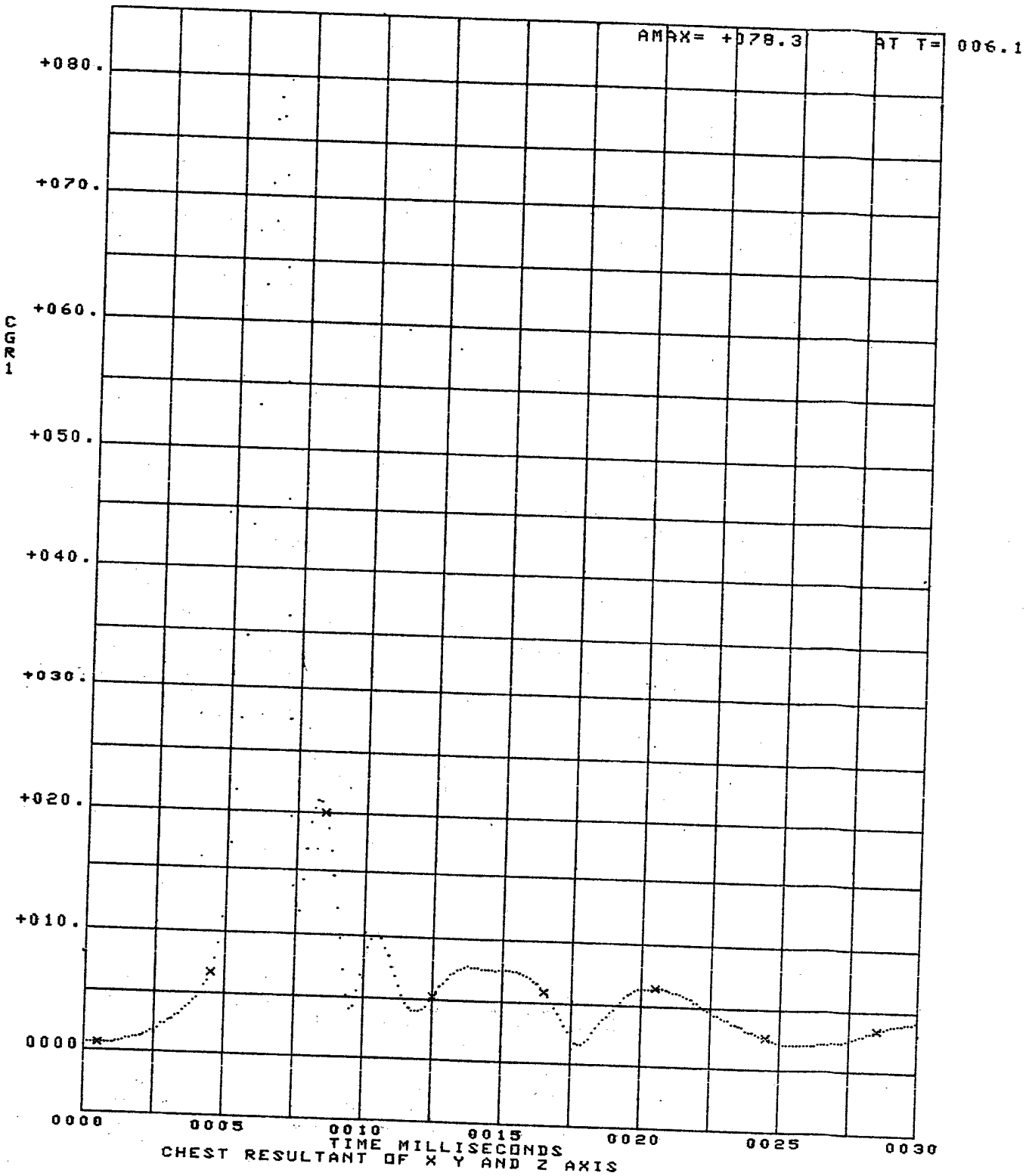
AMAX= +054.1 AT T=015.8


Chest Impact
Cummy No. 32, Run No. 1
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGXI DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGX1


CHEST IMPACT
TEST C003
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1

CHEST IMPACT
TEST C003




CHEST IMPACT
TEST C003
AMAX= +078.3
AT T= 006.1
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR 1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

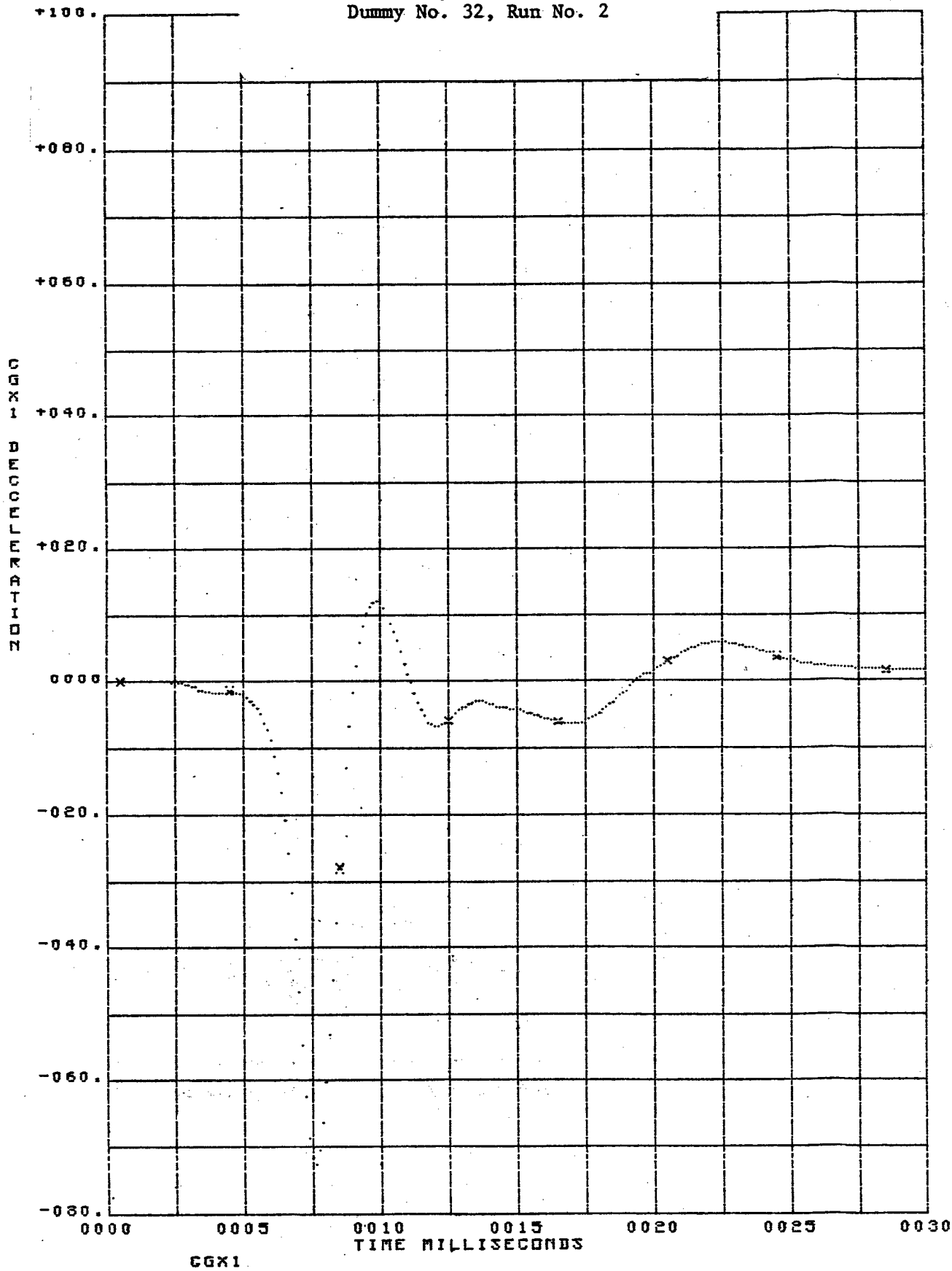
RESULTANT < CGR1> OF CGX1 CGY1 CGZ1 C003

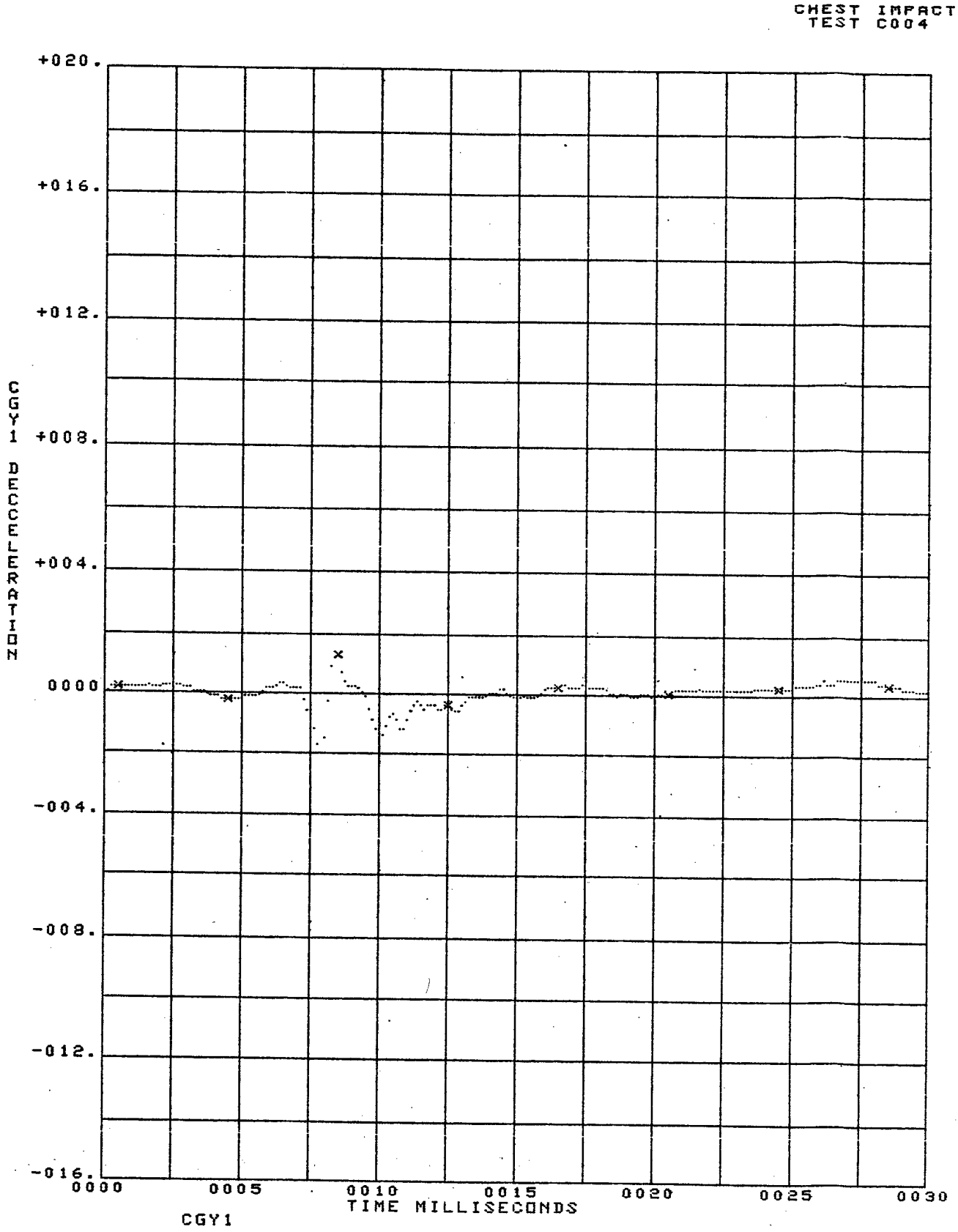
TIME					
0.0000	+000.1	+000.1	+000.2	+000.2	+000.2
0.6250	+000.2	+000.2	+000.2	+000.3	+000.3
1.2500	+000.3	+000.4	+000.5	+000.6	+000.7
1.8750	+000.7	+000.9	+001.0	+001.2	+001.4
2.5000	+001.5	+001.8	+001.9	+002.2	+002.3
3.1250	+002.5	+002.7	+003.0	+003.2	+003.6
3.7500	+003.9	+004.2	+004.6	+005.1	+005.5
4.3750	+006.3	+007.3	+008.6	+010.6	+013.2
5.0000	+016.7	+021.2	+027.0	+034.3	+043.3
5.6250	+053.3	+062.9	+071.0	+076.5	+078.3
6.2500	+076.8	+071.7	+064.3	+055.1	+045.5
6.8750	+035.8	+027.0	+019.1	+013.3	+010.5
7.5000	+011.3	+013.7	+016.4	+018.6	+019.8
8.1250	+020.4	+020.3	+019.5	+018.1	+016.3
8.7500	+014.0	+011.6	+009.2	+006.7	+004.7
9.3750	+003.4	+003.8	+005.0	+006.4	+007.6
10.0000	+008.6	+009.2	+009.5	+009.5	+009.3
10.6250	+008.6	+008.0	+007.2	+006.3	+005.5
11.2500	+004.8	+004.2	+003.8	+003.6	+003.5
11.8750	+003.5	+003.6	+003.9	+004.4	+004.8
12.5000	+005.1	+005.6	+005.9	+006.3	+006.7
13.1250	+006.8	+007.0	+007.1	+007.3	+007.3
13.7500	+007.3	+007.3	+007.3	+007.2	+007.2
14.3750	+007.2	+007.1	+007.1	+007.2	+007.1
15.0000	+007.1	+007.2	+007.1	+007.0	+006.8
15.6250	+006.7	+006.6	+006.4	+006.2	+006.1
16.2500	+005.7	+005.4	+005.0	+004.6	+004.1
16.8750	+003.6	+003.1	+002.7	+002.1	+001.8
17.5000	+001.3	+001.2	+001.1	+001.4	+001.7
18.1250	+002.1	+002.5	+002.9	+003.2	+003.5
18.7500	+003.9	+004.2	+004.5	+004.8	+005.1
19.3750	+005.3	+005.5	+005.7	+005.8	+005.8
20.0000	+005.9	+005.9	+005.9	+005.9	+006.0
20.6250	+005.9	+005.9	+005.7	+005.6	+005.6
21.2500	+005.4	+005.3	+005.3	+005.1	+004.9
21.8750	+004.8	+004.6	+004.4	+004.3	+004.1
22.5000	+003.9	+003.9	+003.6	+003.5	+003.5
23.1250	+003.1	+003.1	+002.9	+002.8	+002.6
23.7500	+002.5	+002.5	+002.4	+002.3	+002.1
24.3750	+002.1	+002.0	+001.9	+001.8	+001.8
25.0000	+001.7	+001.7	+001.7	+001.6	+001.6
25.6250	+001.6	+001.6	+001.6	+001.6	+001.6
26.2500	+001.7	+001.8	+001.8	+001.8	+001.8
26.8750	+001.9	+001.9	+001.9	+002.0	+002.1
27.5000	+002.2	+002.2	+002.4	+002.4	+002.6
28.1250	+002.6	+002.7	+002.9	+003.0	+003.0
28.7500	+003.1	+003.2	+003.3	+003.3	+003.3
29.3750	+003.5	+003.5	+003.5	+003.6	+003.6
30.0000	+003.6	+003.6	+003.6	+003.6	+003.7
30.6250	+003.7	+003.7	+003.6	+003.6	+003.6
31.2500	+003.7	+003.7	+003.6	+003.7	+003.7
31.8750	+003.7	+003.7	+003.7	+003.7	+003.7
32.5000	+003.7	+003.7	+003.7	+003.7	+003.7
33.1250	+003.7	+003.7	+003.7	+003.7	+003.7
33.7500	+003.7	+003.9	+003.9	+003.9	+003.9
34.3750	+003.9	+004.0	+004.0	+004.0	+004.0
35.0000	+004.0	+004.0	+004.0	+004.0	+004.0
35.6250	+004.0	+004.0	+004.0	+004.0	+003.9
36.2500	+003.9	+003.9	+003.9	+003.8	+003.8
36.8750	+003.8	+003.7	+003.7	+003.6	+003.6

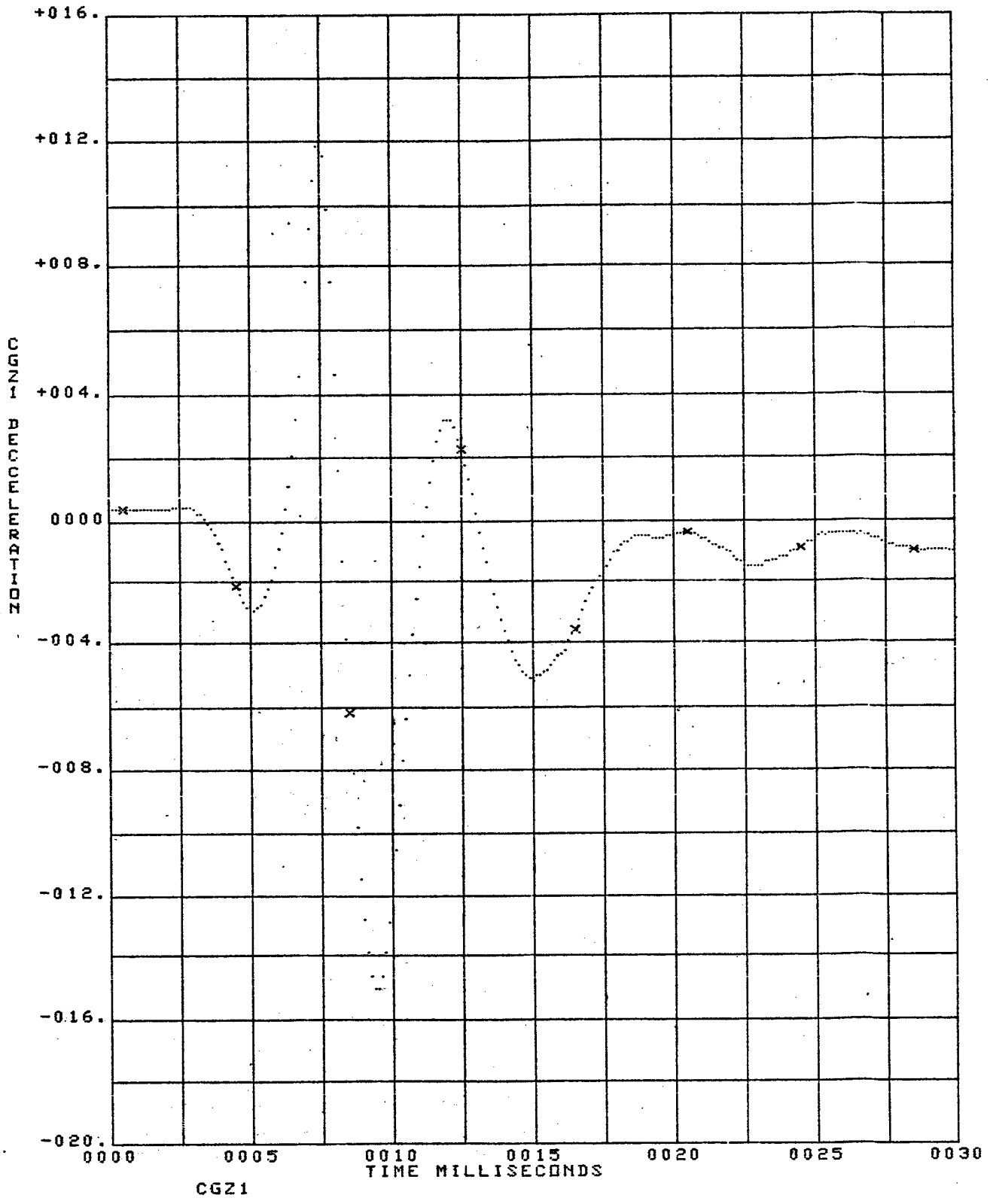
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C003		
37.5000	+003.5	+003.5	+003.5	+003.5	+003.5	
38.1250	+003.5	+003.3	+003.3	+003.2	+003.2	
38.7500	+003.2	+003.2	+003.0	+003.0	+003.0	
39.3750	+002.8	+002.8	+002.7	+002.7	+002.7	
40.0000	+002.5	+002.5	+002.5	+002.4	+002.2	
40.6250	+002.2	+002.1	+002.1	+002.1	+002.1	
41.2500	+002.0	+002.0	+001.9	+001.9	+001.9	
41.8750	+001.8	+001.8	+001.8	+001.8	+001.8	
42.5000	+001.8	+001.8	+001.8	+001.9	+001.9	
43.1250	+001.9	+001.9	+001.9	+001.9	+002.0	
43.7500	+002.0	+002.0	+002.1	+002.1	+002.1	
44.3750	+002.1	+002.1	+002.1	+002.1	+002.1	
45.0000	+002.1	+002.1	+002.1	+002.1	+002.1	
45.6250	+002.1	+002.2	+002.2	+002.2	+002.1	
46.2500	+002.1	+002.1	+002.1	+002.0	+002.0	
46.8750	+002.0	+002.0	+002.0	+002.0	+002.0	
47.5000	+002.0	+002.0	+002.0	+001.9	+001.9	
48.1250	+001.9	+001.9	+001.9	+001.9	+002.0	
48.7500	+001.9	+002.0	+002.0	+002.0	+002.0	
49.3750	+001.9	+001.9	+002.0	+002.0	+001.9	
50.0000	+001.9	+002.0	+002.0	+002.0	+002.0	
50.6250	+002.0	+002.0	+002.0	+002.0	+002.0	
51.2500	+002.1	+002.1	+002.1	+002.1	+002.1	
51.8750	+002.2	+002.2	+002.2	+002.2	+002.2	
52.5000	+002.2	+002.1	+002.2	+002.2	+002.2	
53.1250	+002.2	+002.2	+002.2	+002.2	+002.2	
53.7500	+002.2	+002.2	+002.2	+002.2	+002.1	
54.3750	+002.1	+002.1	+002.0	+002.0	+002.1	
55.0000	+002.0	+002.0	+002.0	+002.0	+002.0	
55.6250	+002.0	+002.0	+002.0	+002.0	+002.0	
56.2500	+002.0	+002.0	+002.0	+001.9	+001.8	
56.8750	+001.8	+001.8	+001.8	+001.8	+001.8	
57.5000	+001.8	+001.8	+001.8	+001.8	+001.8	
58.1250	+001.8	+001.8	+001.8	+001.8	+001.8	
58.7500	+001.8	+001.8	+001.8	+001.8	+001.8	
59.3750	+001.8	+001.8	+001.8	+001.8	+313.4	

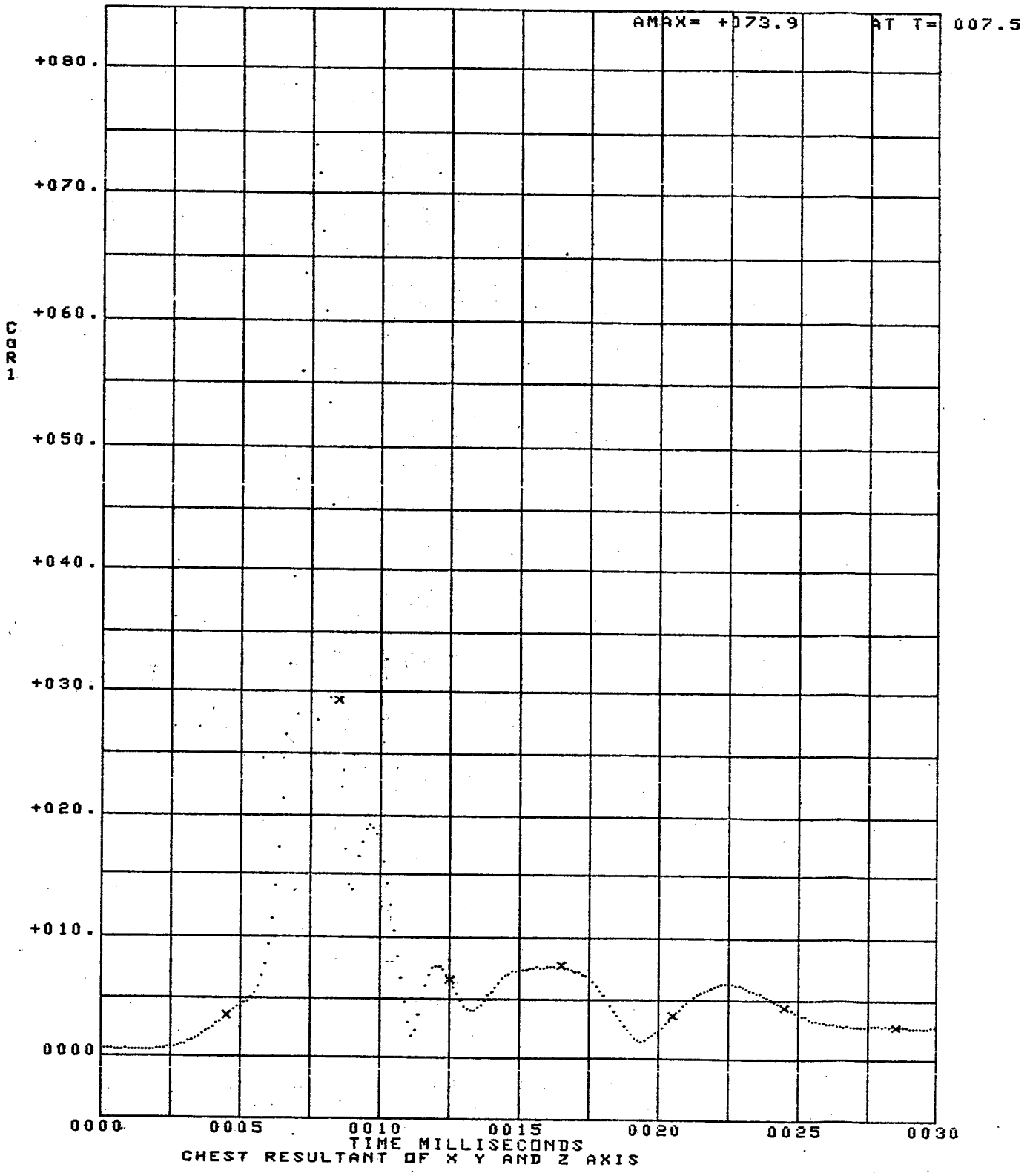
AMAX= +078.3 AT T=006.1

Chest Impact
Dummy No. 32, Run No. 2




CHEST IMPACT
TEST C004
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1


CHEST IMPACT
TEST C004
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZI DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1


CHEST IMPACT
TEST C004
AMAX= +073.9
AT T= 007.5
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

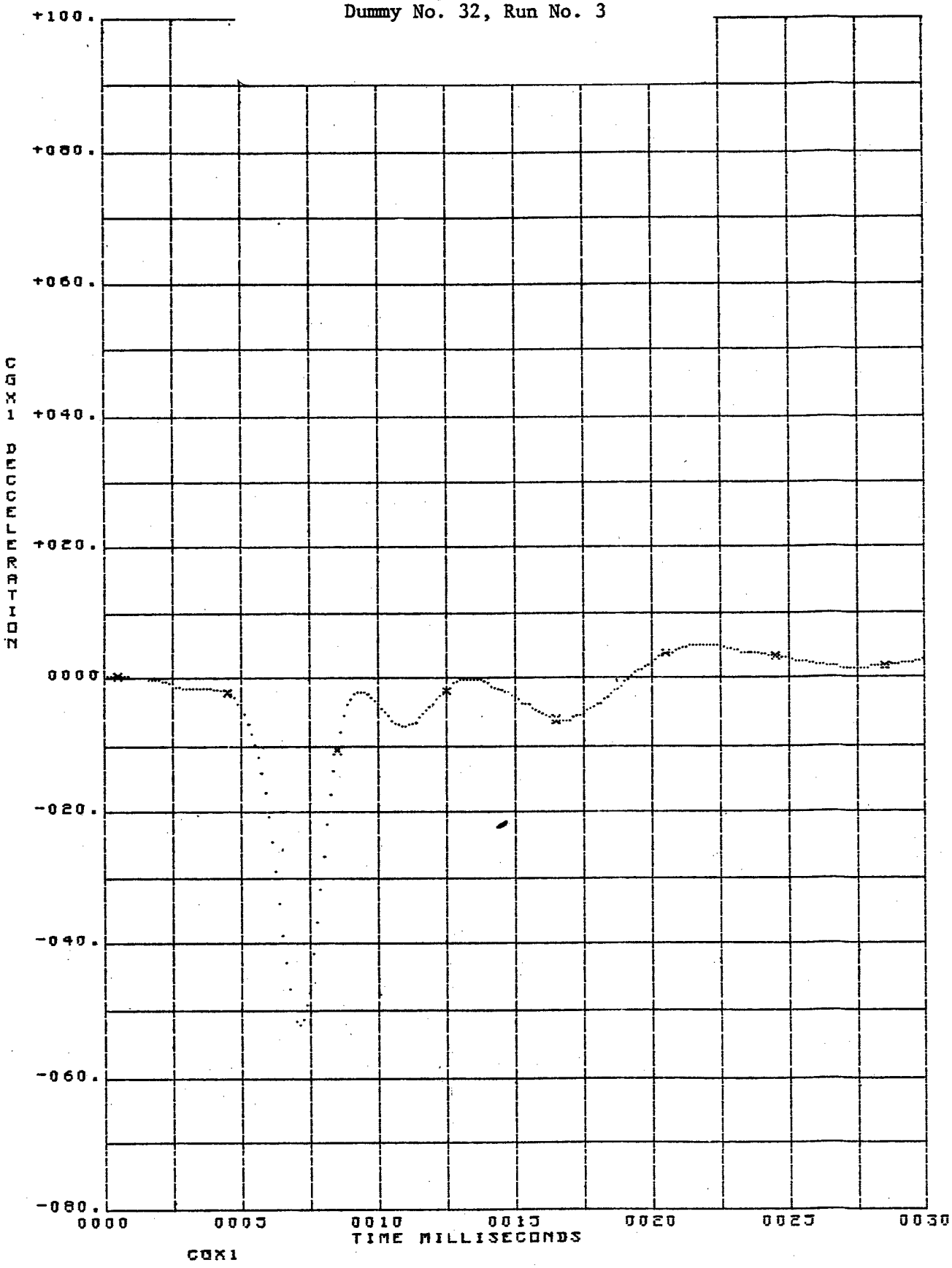
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C004

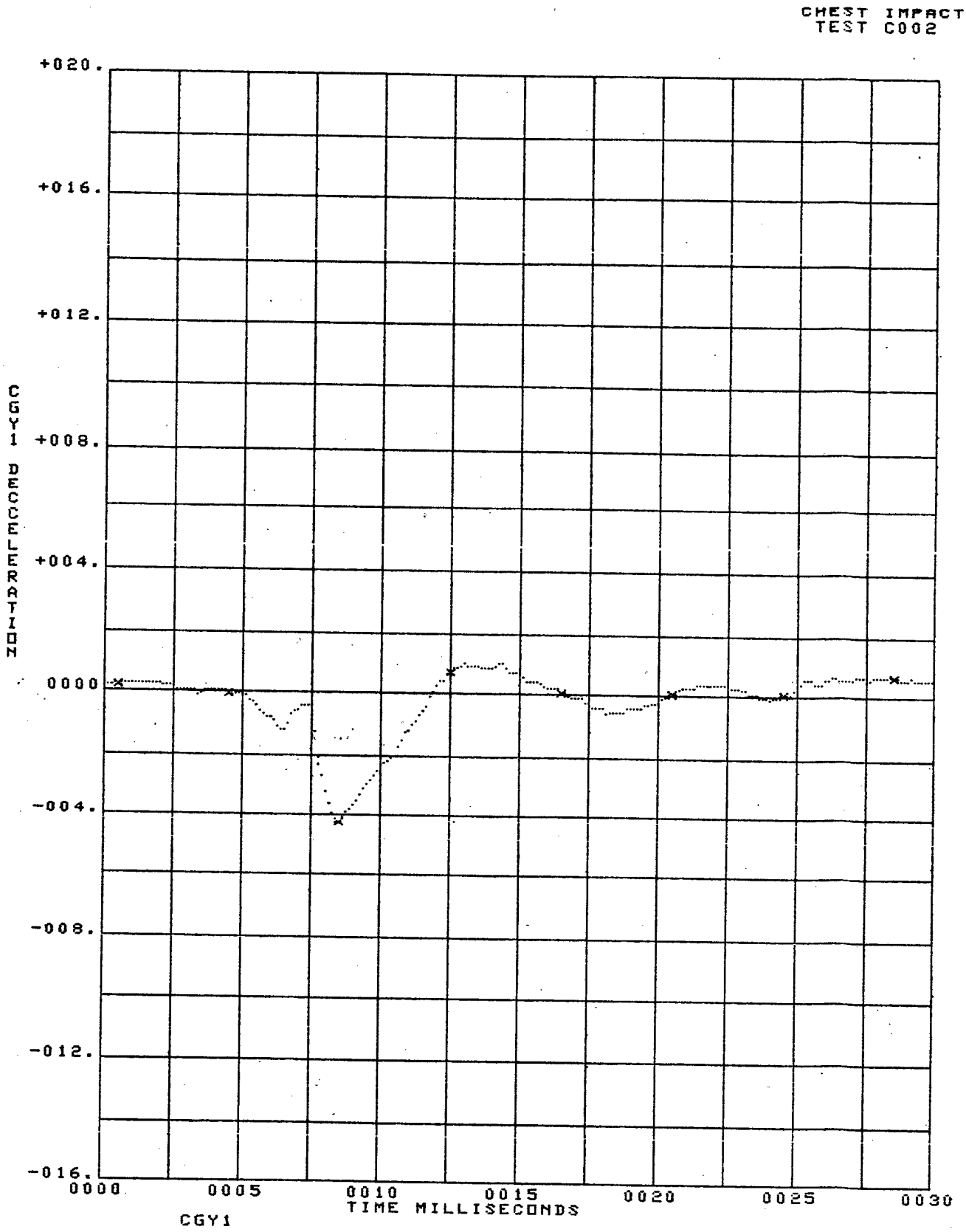
TIME					
0.0000	+000.2	+000.1	+000.1	+000.0	+000.0
0.6250	+000.0	+000.1	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.1	+000.1	+000.1	+000.2	+000.3
2.5000	+000.3	+000.4	+000.4	+000.6	+000.7
3.1250	+000.9	+001.0	+001.1	+001.4	+001.6
3.7500	+001.8	+002.0	+002.3	+002.5	+002.7
4.3750	+002.9	+003.2	+003.5	+003.8	+003.9
5.0000	+004.1	+004.3	+004.6	+005.0	+005.5
5.6250	+006.4	+007.4	+008.9	+010.9	+013.5
6.2500	+016.7	+020.9	+026.0	+032.0	+039.1
6.8750	+047.3	+055.8	+063.6	+069.7	+073.3
7.5000	+073.9	+071.5	+066.9	+060.6	+053.2
8.1250	+045.1	+036.2	+028.7	+021.8	+016.6
8.7500	+013.7	+013.2	+014.4	+015.9	+017.3
9.3750	+018.4	+018.7	+018.5	+017.9	+016.8
10.0000	+015.5	+013.8	+012.0	+010.0	+008.0
10.6250	+006.2	+004.3	+002.5	+001.2	+001.8
11.2500	+003.2	+004.6	+005.6	+006.5	+007.1
11.8750	+007.3	+007.3	+007.0	+006.5	+006.1
12.5000	+005.5	+005.0	+004.4	+003.9	+003.6
13.1250	+003.5	+003.5	+003.8	+004.1	+004.4
13.7500	+004.9	+005.2	+005.5	+005.8	+006.2
14.3750	+006.5	+006.7	+006.9	+006.9	+007.0
15.0000	+007.0	+007.1	+007.1	+007.2	+007.2
15.6250	+007.2	+007.2	+007.3	+007.2	+007.2
16.2500	+007.2	+007.3	+007.2	+007.2	+007.0
16.8750	+006.9	+006.8	+006.7	+006.5	+006.3
17.5000	+005.9	+005.6	+005.2	+004.9	+004.5
18.1250	+004.0	+003.6	+003.2	+002.8	+002.3
18.7500	+001.9	+001.5	+001.2	+001.0	+001.0
19.3750	+001.0	+001.2	+001.4	+001.7	+001.9
20.0000	+002.2	+002.5	+002.8	+003.1	+003.4
20.6250	+003.7	+004.0	+004.3	+004.6	+004.8
21.2500	+005.0	+005.1	+005.3	+005.4	+005.5
21.8750	+005.6	+005.8	+005.8	+005.8	+005.9
22.5000	+005.9	+005.7	+005.7	+005.6	+005.5
23.1250	+005.4	+005.3	+005.1	+005.1	+004.9
23.7500	+004.7	+004.6	+004.4	+004.3	+004.1
24.3750	+003.9	+003.7	+003.6	+003.3	+003.3
25.0000	+003.1	+003.1	+002.8	+002.8	+002.8
25.6250	+002.6	+002.6	+002.5	+002.5	+002.5
26.2500	+002.3	+002.4	+002.3	+002.4	+002.3
26.8750	+002.3	+002.3	+002.3	+002.3	+002.3
27.5000	+002.3	+002.3	+002.4	+002.3	+002.3
28.1250	+002.2	+002.3	+002.2	+002.2	+002.3
28.7500	+002.3	+002.2	+002.2	+002.2	+002.2
29.3750	+002.2	+002.2	+002.3	+002.3	+002.4
30.0000	+002.4	+002.5	+002.5	+002.6	+002.8
30.6250	+002.8	+002.8	+002.9	+003.0	+003.0
31.2500	+003.1	+003.2	+003.2	+003.2	+003.3
31.8750	+003.4	+003.4	+003.5	+003.5	+003.6
32.5000	+003.6	+003.7	+003.7	+003.7	+003.8
33.1250	+003.8	+003.9	+004.0	+003.9	+004.0
33.7500	+004.1	+004.1	+004.2	+004.2	+004.3
34.3750	+004.3	+004.3	+004.3	+004.3	+004.4
35.0000	+004.4	+004.4	+004.4	+004.4	+004.4
35.6250	+004.4	+004.4	+004.4	+004.4	+004.4
36.2500	+004.4	+004.3	+004.3	+004.3	+004.3
36.8750	+004.3	+004.2	+004.2	+004.2	+004.1

RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C004		
37.5000	+004.1	+004.1	+004.1	+004.0	+004.0	
38.1250	+003.9	+003.9	+003.8	+003.8	+003.8	
38.7500	+003.7	+003.7	+003.7	+003.6	+003.6	
39.3750	+003.5	+003.5	+003.5	+003.5	+003.5	
40.0000	+003.4	+003.3	+003.3	+003.3	+003.2	
40.6250	+003.2	+003.2	+003.2	+003.0	+002.9	
41.2500	+002.9	+002.8	+002.7	+002.6	+002.6	
41.8750	+002.5	+002.5	+002.5	+002.3	+002.2	
42.5000	+002.2	+002.2	+002.1	+002.2	+002.2	
43.1250	+002.1	+002.1	+002.0	+002.1	+002.1	
43.7500	+002.1	+002.1	+002.1	+002.1	+002.0	
44.3750	+002.0	+002.0	+002.0	+002.1	+002.1	
45.0000	+002.1	+002.1	+002.1	+002.1	+002.0	
45.6250	+002.0	+002.0	+002.0	+002.0	+002.0	
46.2500	+002.0	+002.0	+002.0	+002.1	+001.9	
46.8750	+002.0	+002.0	+002.0	+002.0	+001.9	
47.5000	+002.0	+002.0	+002.0	+002.0	+002.0	
48.1250	+001.9	+001.9	+001.9	+001.8	+001.9	
48.7500	+001.8	+001.9	+001.9	+001.9	+001.9	
49.3750	+002.0	+001.9	+001.9	+001.9	+001.9	
50.0000	+002.0	+002.0	+002.0	+002.0	+002.0	
50.6250	+002.0	+002.1	+002.1	+002.1	+002.1	
51.2500	+002.1	+002.1	+002.1	+002.1	+002.1	
51.8750	+002.1	+002.1	+002.1	+002.1	+002.1	
52.5000	+002.1	+002.1	+002.0	+002.0	+002.1	
53.1250	+002.0	+002.1	+002.1	+002.1	+002.1	
53.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
54.3750	+002.1	+002.1	+002.1	+002.1	+002.1	
55.0000	+002.1	+002.1	+002.1	+002.2	+002.2	
55.6250	+002.2	+002.2	+002.1	+002.1	+002.2	
56.2500	+002.2	+002.2	+002.1	+002.1	+002.1	
56.8750	+002.3	+002.3	+002.3	+002.3	+002.3	
57.5000	+002.3	+002.3	+002.3	+002.3	+002.3	
58.1250	+002.1	+002.1	+002.1	+002.1	+002.1	
58.7500	+002.1	+002.1	+002.1	+001.9	+001.9	
59.3750	+001.9	+001.9	+001.9	+001.8	+313.4	

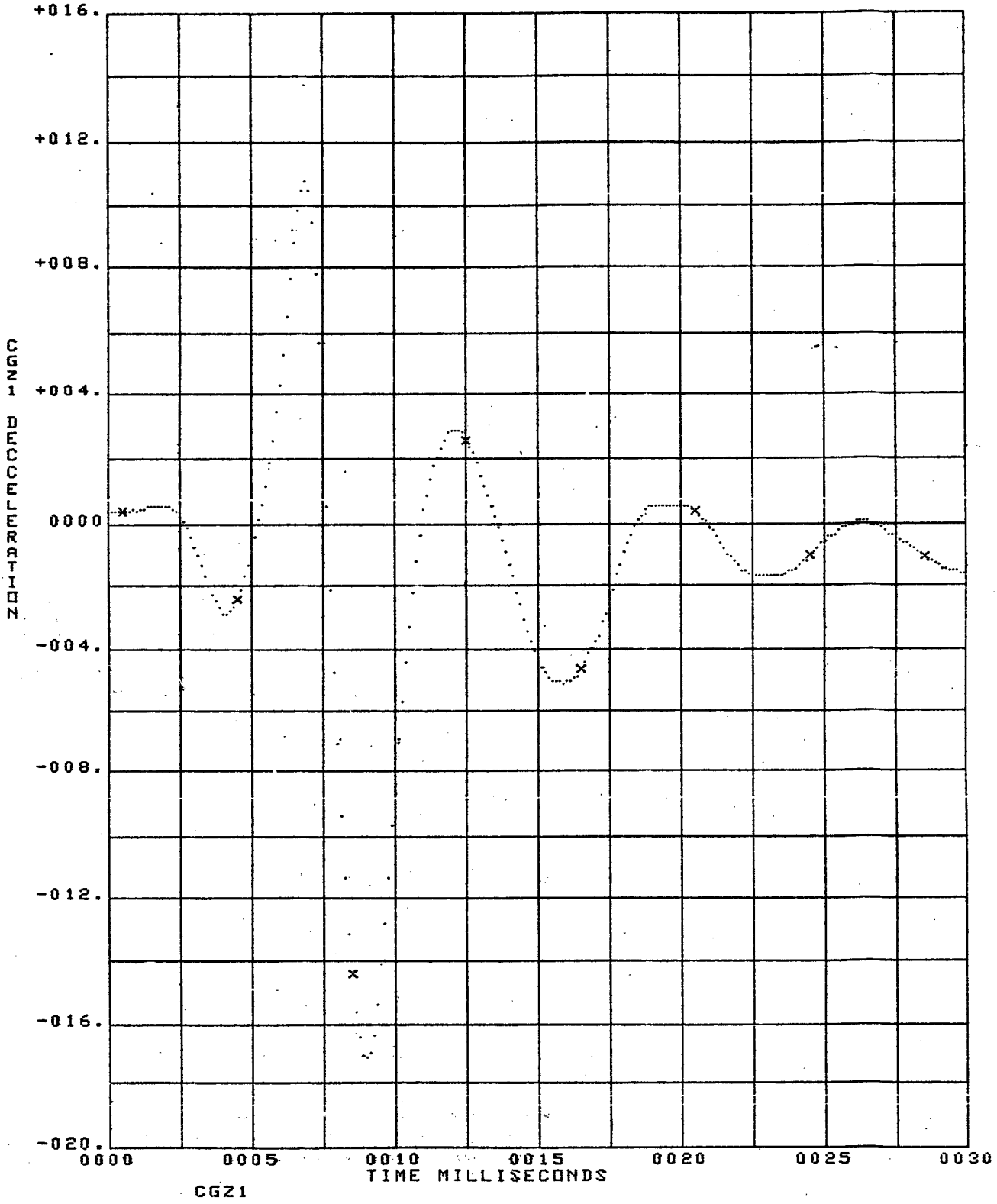
AMAX= +073.9 AT T=007.5

Chest Impact
Dummy No. 32, Run No. 3

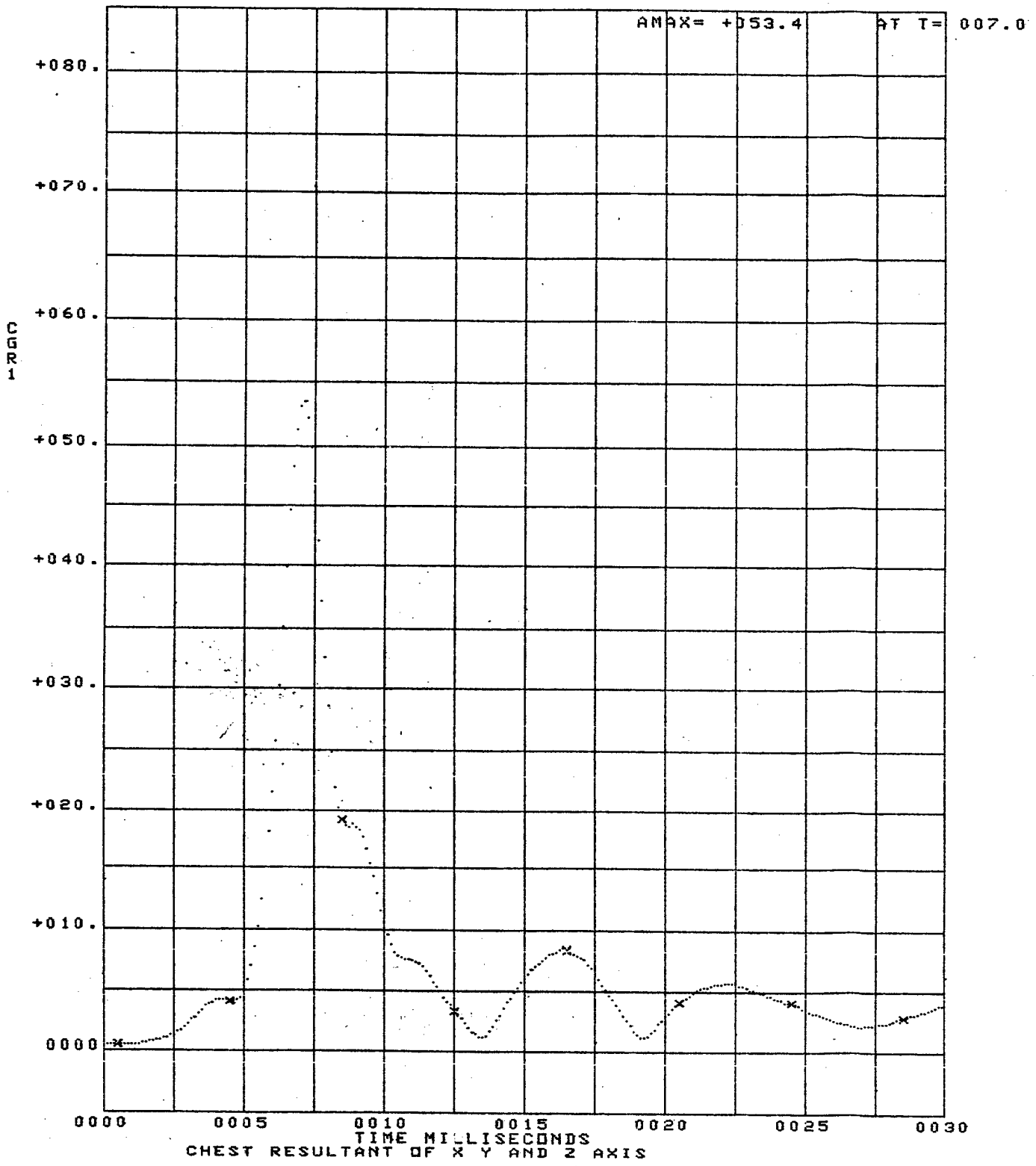



CHEST IMPACT
TEST C002
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1

CHEST IMPACT
TEST C002



CHEST IMPACT
TEST C002



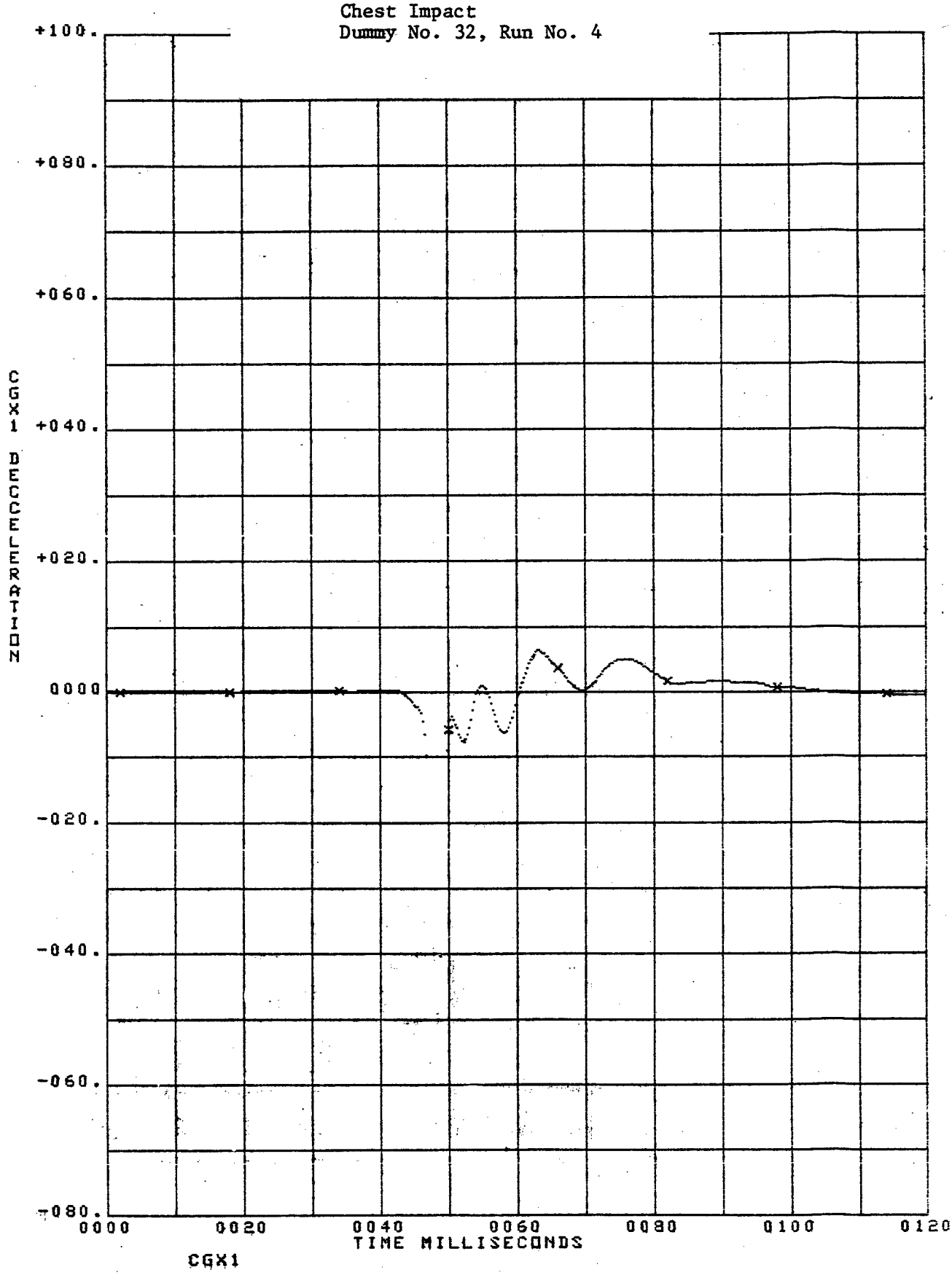
RESULTANT < CGR1> OF CGX1 CGY1 CGZ1 C002

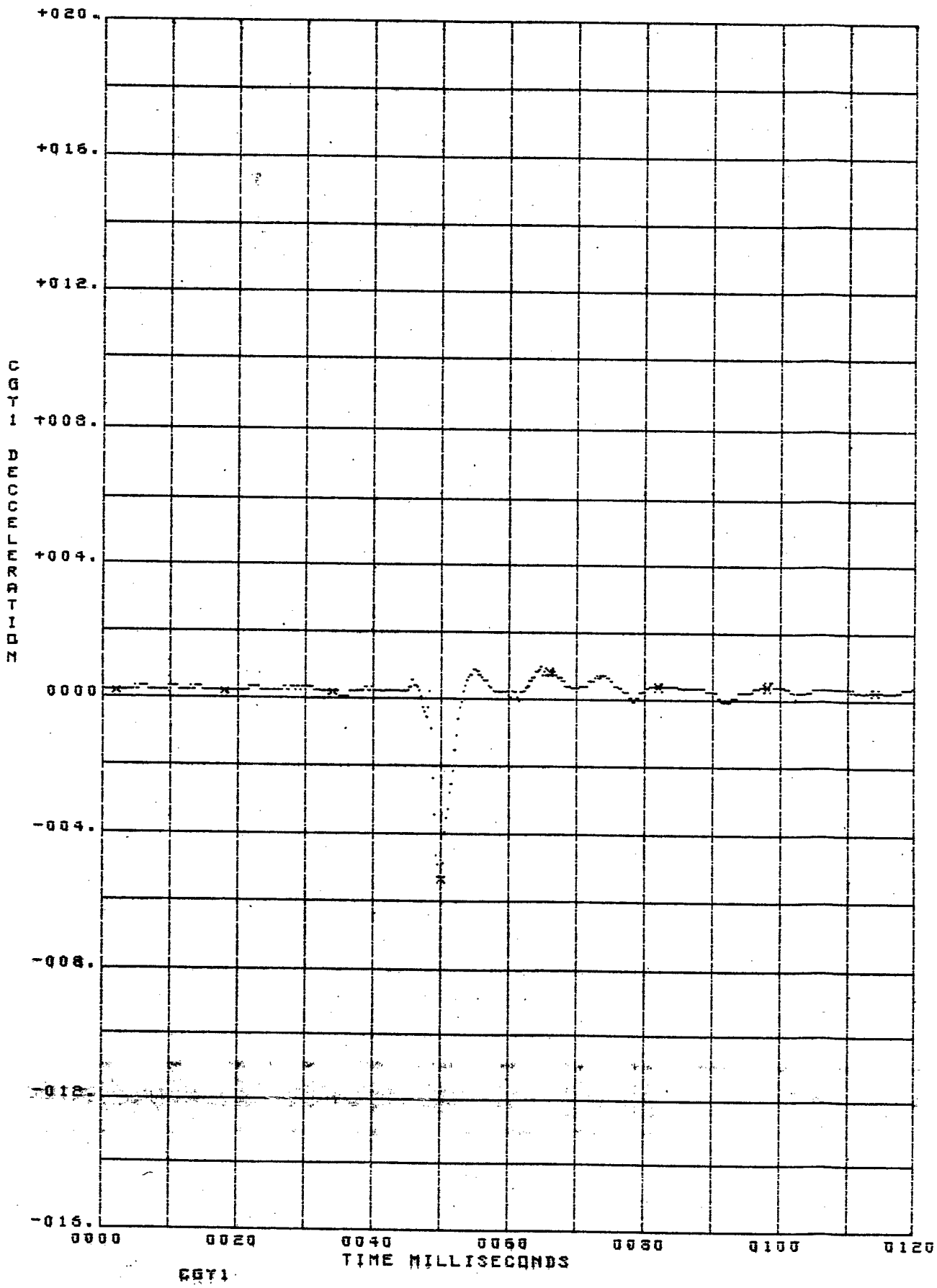
TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.1	+000.1	+000.2	+000.2	+000.3
1.8750	+000.4	+000.4	+000.6	+000.7	+000.9
2.5000	+001.0	+001.1	+001.4	+001.6	+002.0
3.1250	+002.1	+002.5	+002.7	+003.1	+003.2
3.7500	+003.4	+003.6	+003.7	+003.6	+003.6
4.3750	+003.5	+003.5	+003.6	+003.9	+004.5
5.0000	+005.4	+006.5	+007.9	+009.8	+011.8
5.6250	+014.5	+017.5	+021.0	+025.2	+029.8
6.2500	+034.7	+039.6	+044.2	+048.2	+051.2
6.8750	+053.0	+053.4	+052.1	+049.7	+046.1
7.5000	+041.8	+036.9	+032.2	+028.0	+024.3
8.1250	+021.5	+019.7	+018.6	+018.1	+018.0
8.7500	+018.1	+018.0	+017.7	+017.1	+016.1
9.3750	+014.9	+013.7	+012.4	+011.0	+009.9
10.0000	+009.0	+008.3	+007.7	+007.4	+007.2
10.6250	+007.1	+007.1	+007.1	+006.9	+006.8
11.2500	+006.5	+006.1	+005.7	+005.3	+004.9
11.8750	+004.5	+004.0	+003.5	+003.2	+002.8
12.5000	+002.4	+002.1	+001.7	+001.4	+001.1
13.1250	+000.9	+000.7	+000.7	+000.8	+001.2
13.7500	+001.5	+002.0	+002.4	+003.0	+003.4
14.3750	+003.9	+004.4	+004.7	+005.2	+005.6
15.0000	+005.9	+006.2	+006.6	+006.8	+007.1
15.6250	+007.3	+007.5	+007.6	+007.8	+007.9
16.2500	+008.0	+007.9	+007.7	+007.5	+007.4
16.8750	+007.3	+007.1	+006.7	+006.4	+005.9
17.5000	+005.5	+005.0	+004.6	+004.1	+003.7
18.1250	+003.3	+002.8	+002.4	+002.0	+001.6
18.7500	+001.1	+000.9	+000.7	+000.6	+000.8
19.3750	+001.0	+001.3	+001.7	+002.0	+002.4
20.0000	+002.7	+003.0	+003.3	+003.6	+003.8
20.6250	+004.0	+004.2	+004.4	+004.6	+004.7
21.2500	+004.9	+004.9	+005.0	+005.1	+005.1
21.8750	+005.2	+005.2	+005.2	+005.2	+005.1
22.5000	+005.0	+005.0	+004.9	+004.7	+004.6
23.1250	+004.5	+004.4	+004.3	+004.1	+004.1
23.7500	+004.0	+003.9	+003.7	+003.6	+003.5
24.3750	+003.5	+003.4	+003.2	+002.9	+002.8
25.0000	+002.8	+002.6	+002.6	+002.5	+002.4
25.6250	+002.2	+002.1	+002.0	+001.9	+001.9
26.2500	+001.8	+001.7	+001.6	+001.6	+001.6
26.8750	+001.6	+001.7	+001.6	+001.7	+001.7
27.5000	+001.8	+001.8	+001.8	+001.9	+002.0
28.1250	+002.1	+002.2	+002.2	+002.4	+002.5
28.7500	+002.5	+002.7	+002.8	+002.8	+002.9
29.3750	+002.9	+003.1	+003.2	+003.2	+003.4
30.0000	+003.4	+003.4	+003.6	+003.6	+003.7
30.6250	+003.6	+003.7	+003.8	+003.8	+003.8
31.2500	+003.8	+003.8	+003.8	+003.8	+003.9
31.8750	+003.9	+003.9	+003.9	+003.9	+003.9
32.5000	+004.0	+004.0	+004.0	+004.1	+004.1
33.1250	+004.1	+004.2	+004.2	+004.2	+004.3
33.7500	+004.3	+004.4	+004.4	+004.4	+004.5
34.3750	+004.5	+004.6	+004.6	+004.6	+004.7
35.0000	+004.6	+004.7	+004.7	+004.7	+004.7
35.6250	+004.7	+004.7	+004.7	+004.7	+004.6
36.2500	+004.6	+004.5	+004.5	+004.5	+004.4
36.8750	+004.4	+004.4	+004.3	+004.2	+004.2

RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C002		
37.5000	+004.2	+004.1	+004.0	+003.9	+003.9	
38.1250	+003.8	+003.7	+003.6	+003.6	+003.5	
38.7500	+003.5	+003.3	+003.2	+003.2	+003.0	
39.3750	+003.0	+002.8	+002.7	+002.7	+002.5	
40.0000	+002.5	+002.4	+002.2	+002.2	+002.1	
40.6250	+002.0	+002.0	+001.8	+001.7	+001.7	
41.2500	+001.7	+001.7	+001.7	+001.5	+001.6	
41.8750	+001.6	+001.5	+001.5	+001.5	+001.6	
42.5000	+001.6	+001.6	+001.6	+001.7	+001.7	
43.1250	+001.6	+001.6	+001.7	+001.8	+001.8	
43.7500	+001.8	+001.8	+001.8	+001.9	+001.9	
44.3750	+001.9	+002.0	+002.0	+002.1	+002.1	
45.0000	+002.1	+002.1	+002.1	+002.1	+002.1	
45.6250	+002.1	+002.1	+002.1	+002.2	+002.1	
46.2500	+002.1	+002.2	+002.2	+002.2	+002.2	
46.8750	+002.2	+002.2	+002.1	+002.2	+002.2	
47.5000	+002.2	+002.1	+002.2	+002.2	+002.2	
48.1250	+002.1	+002.1	+002.1	+002.1	+002.1	
48.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
49.3750	+002.1	+002.1	+002.1	+002.2	+002.2	
50.0000	+002.2	+002.2	+002.2	+002.2	+002.2	
50.6250	+002.2	+002.3	+002.3	+002.3	+002.4	
51.2500	+002.4	+002.4	+002.4	+002.4	+002.4	
51.8750	+002.4	+002.5	+002.5	+002.5	+002.4	
52.5000	+002.5	+002.3	+002.4	+002.3	+002.4	
53.1250	+002.2	+002.3	+002.3	+002.3	+002.2	
53.7500	+002.2	+002.2	+002.2	+002.1	+002.1	
54.3750	+002.1	+002.1	+002.0	+002.1	+002.1	
55.0000	+002.1	+002.0	+002.0	+002.0	+002.1	
55.6250	+002.0	+002.1	+002.1	+002.0	+002.0	
56.2500	+002.1	+002.1	+001.9	+001.9	+002.1	
56.8750	+002.1	+002.1	+002.1	+002.1	+001.9	
57.5000	+001.9	+001.9	+001.9	+001.9	+001.9	
58.1250	+001.9	+002.0	+002.0	+002.0	+002.0	
58.7500	+002.0	+002.0	+002.0	+001.9	+001.9	
59.3750	+001.9	+001.9	+001.9	+001.9	+313.4	

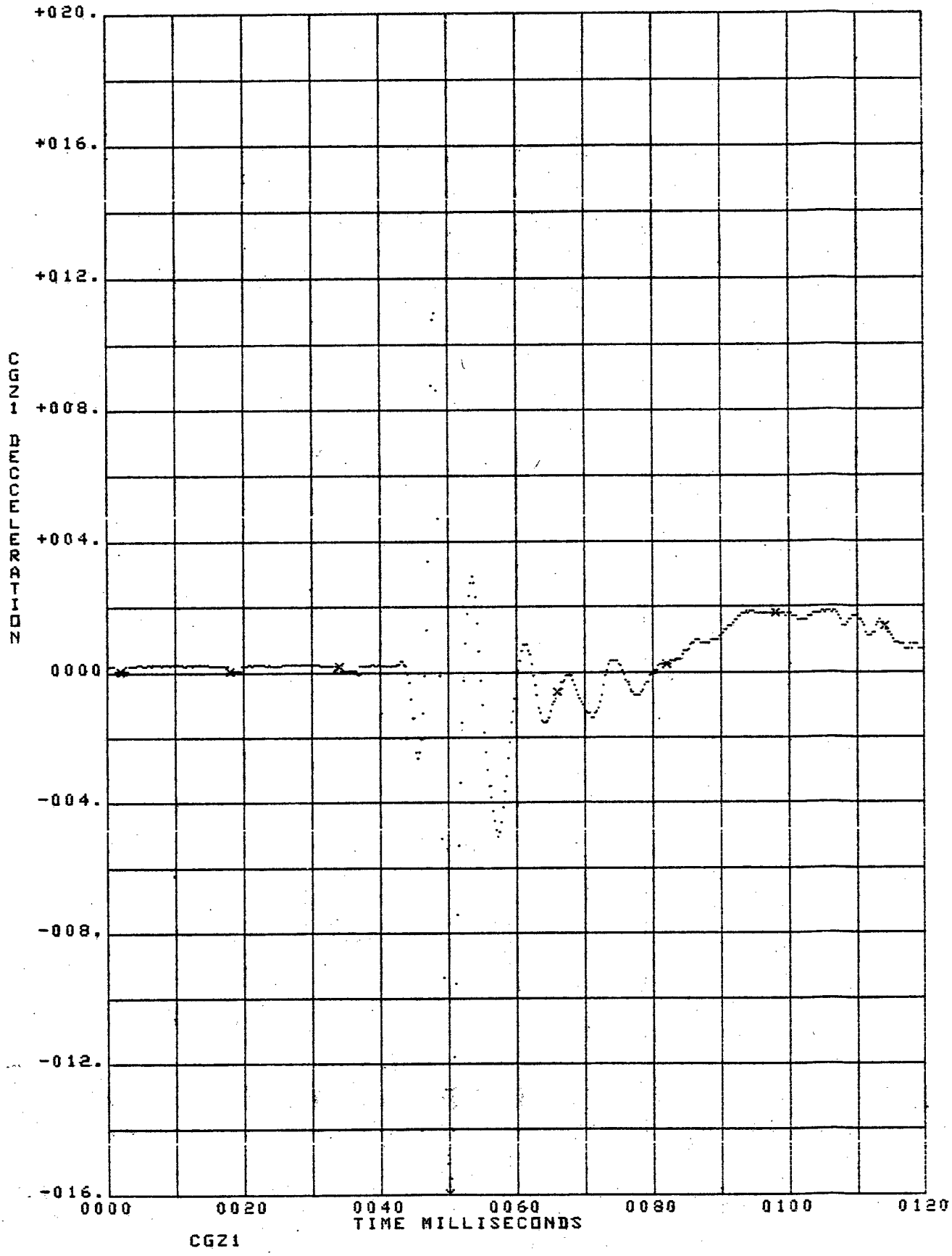
AMAX= +053.4 AT T=007.0

CHEST IMPACT
TRC NO. 316

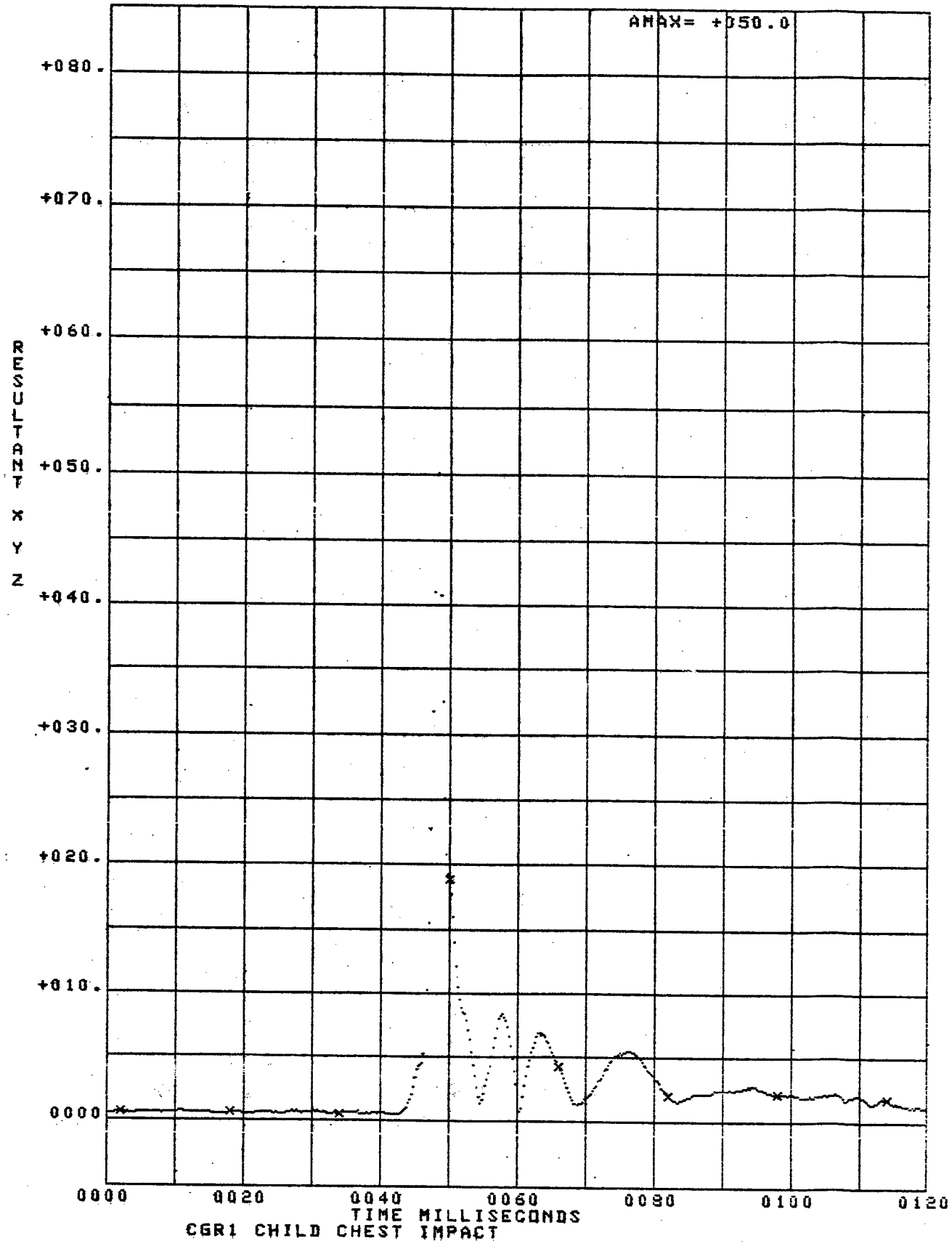



CHEST IMPACT
TRC NO, 316
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGTI DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
CGT1

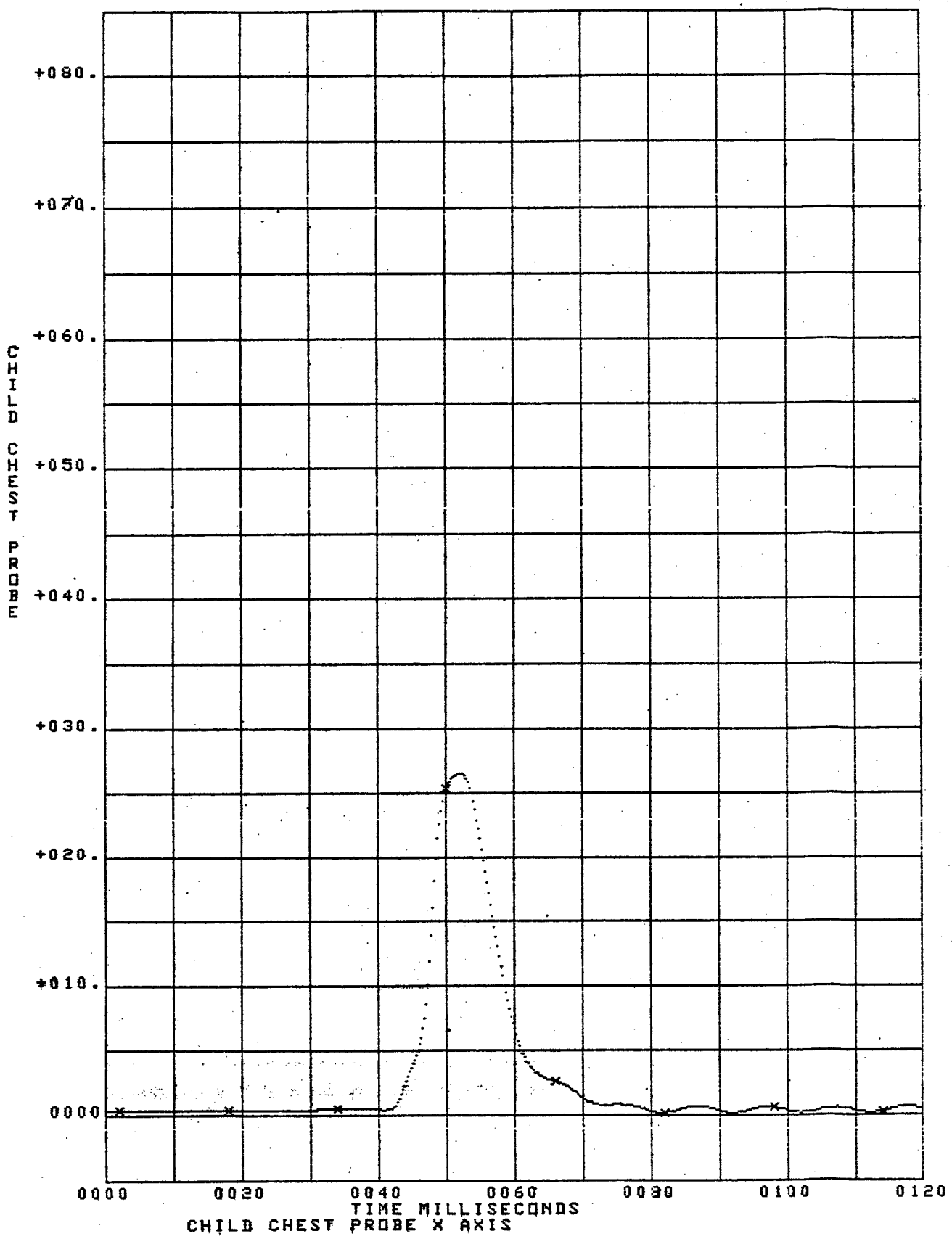
CHEST IMPACT
TRC NO. 316



CHEST IMPACT
TRC NO. 316



CHEST IMPACT
TRC NO. 316

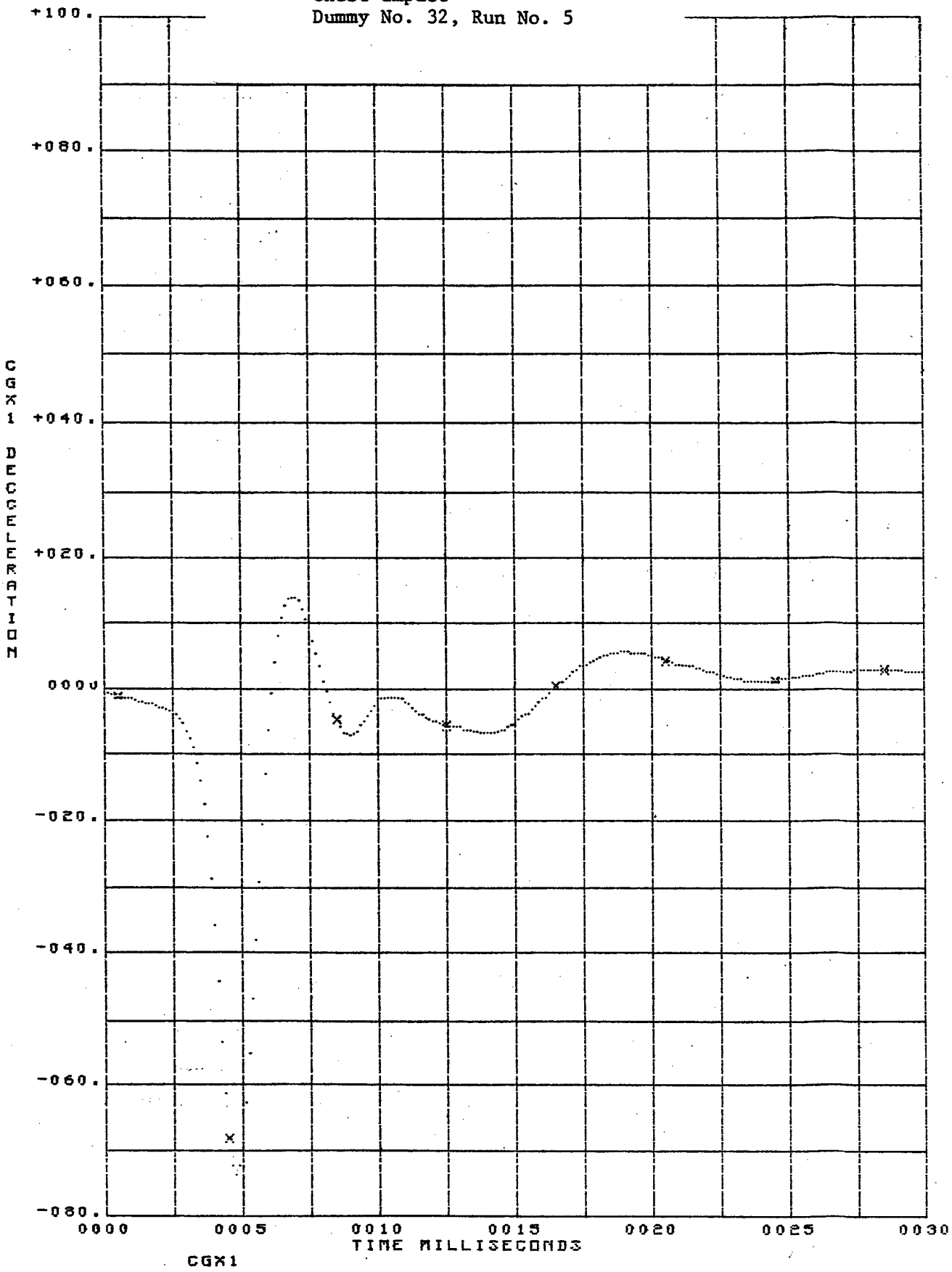


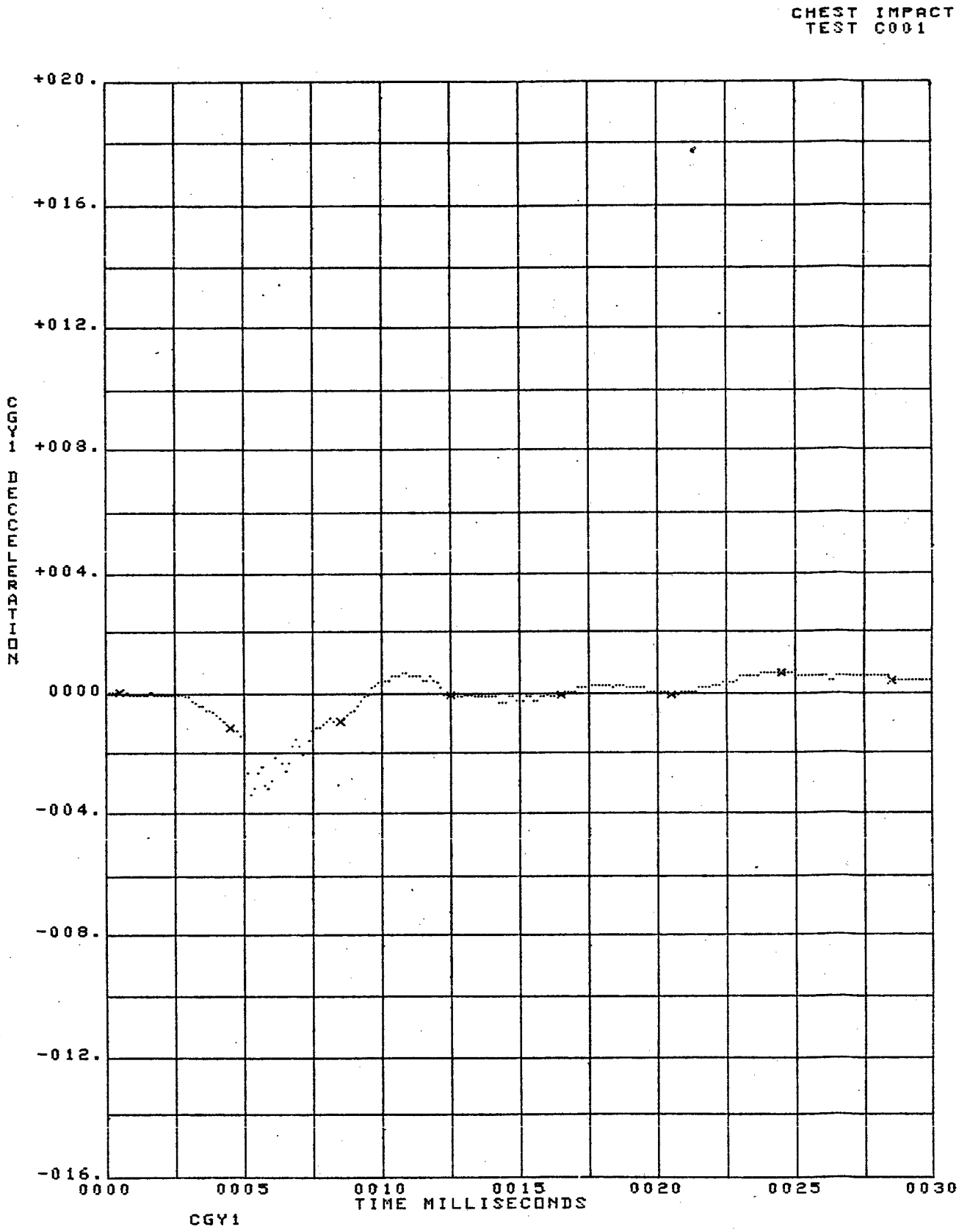
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 TRC316

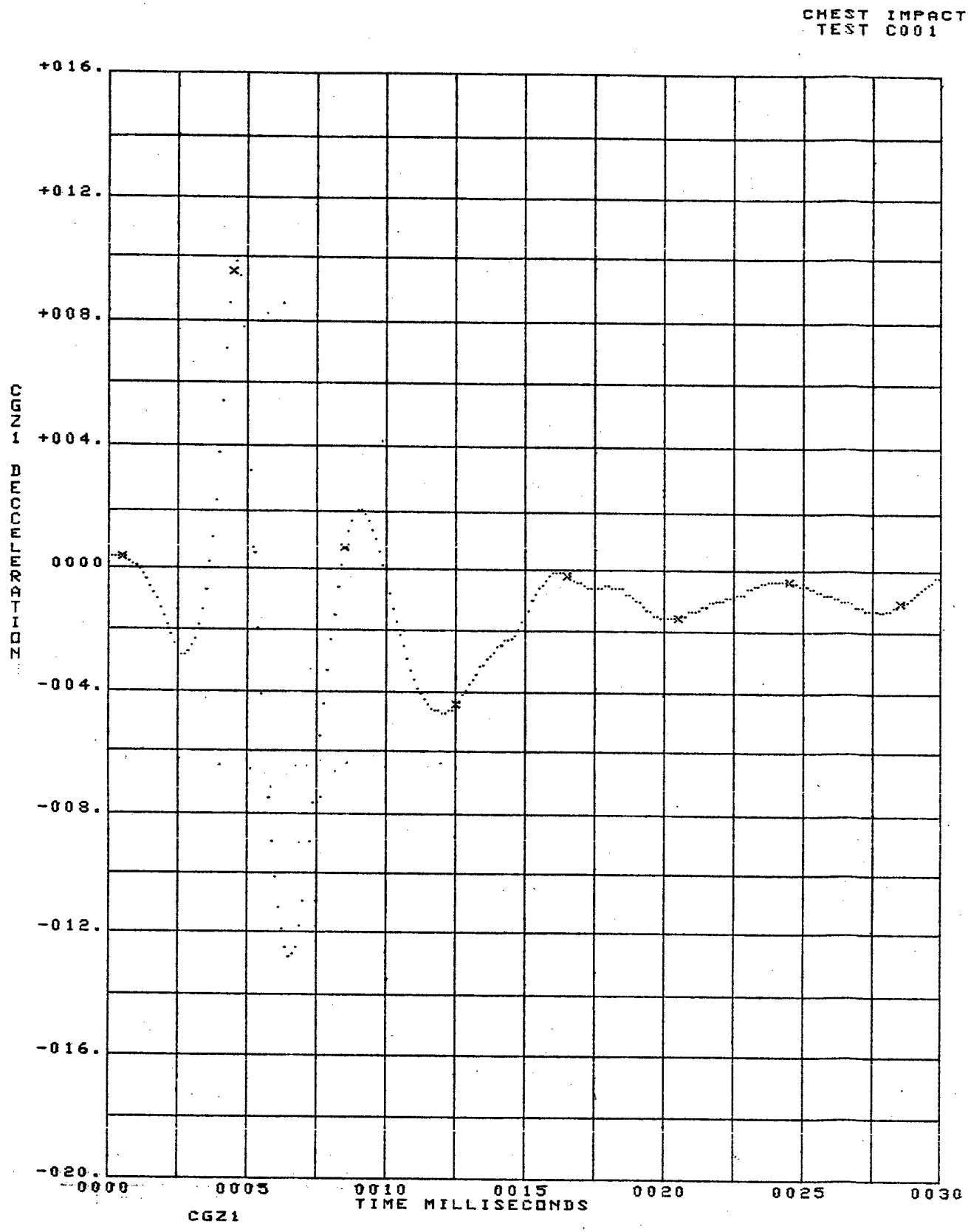
TIME					
0.00	+000.0	+000.0	+000.0	+000.0	+000.1
1.25	+000.1	+000.1	+000.1	+000.1	+000.1
2.50	+000.0	+000.1	+000.0	+000.0	+000.0
3.75	+000.0	+000.1	+000.1	+000.1	+000.1
5.00	+000.1	+000.1	+000.1	+000.1	+000.1
6.25	+000.1	+000.1	+000.1	+000.1	+000.1
7.50	+000.1	+000.0	+000.1	+000.1	+000.1
8.75	+000.1	+000.1	+000.1	+000.1	+000.1
10.00	+000.1	+000.2	+000.2	+000.2	+000.1
11.25	+000.1	+000.1	+000.1	+000.1	+000.1
12.50	+000.1	+000.1	+000.1	+000.1	+000.1
13.75	+000.1	+000.1	+000.1	+000.1	+000.1
15.00	+000.0	+000.0	+000.0	+000.0	+000.0
16.25	+000.0	+000.0	+000.0	+000.0	+000.0
17.50	+000.0	+000.1	+000.1	+000.1	+000.1
18.75	+000.1	+000.1	+000.1	+000.0	+000.0
20.00	+000.0	+000.0	+000.0	+000.0	+000.0
21.25	+000.0	+000.1	+000.1	+000.1	+000.1
22.50	+000.1	+000.1	+000.1	+000.1	+000.1
23.75	+000.1	+000.0	+000.0	+000.1	+000.0
25.00	+000.0	+000.0	+000.0	+000.0	+000.1
26.25	+000.1	+000.1	+000.2	+000.1	+000.2
27.50	+000.2	+000.1	+000.1	+000.0	+000.1
28.75	+000.1	+000.1	+000.1	+000.1	+000.1
30.00	+000.2	+000.1	+000.2	+000.1	+000.1
31.25	+000.1	+000.1	+000.1	+000.0	+000.0
32.50	+000.0	+000.0	+000.1	+000.0	+000.0
33.75	+000.0	+000.1	+000.1	+000.1	+000.2
35.00	+000.2	+000.2	+000.2	+000.2	+000.2
36.25	+000.1	+000.2	+000.0	+000.0	+000.0
37.50	+000.0	+000.1	+000.0	+000.0	+000.1
38.75	+000.1	+000.1	+000.0	+000.1	+000.0
40.00	+000.1	+000.1	+000.0	+000.0	+000.0
41.25	+000.0	+000.0	+000.0	+000.0	+000.0
42.50	+000.0	+000.1	+000.2	+000.4	+000.6
43.75	+000.9	+001.1	+001.6	+002.2	+002.9
45.00	+003.5	+003.7	+003.9	+004.0	+004.7
46.25	+006.5	+009.8	+015.0	+022.2	+031.3
47.50	+040.7	+047.7	+050.0	+047.3	+040.5
48.75	+032.1	+024.6	+020.2	+018.7	+018.3
50.00	+017.3	+015.5	+013.5	+011.5	+010.1
51.25	+008.9	+008.3	+008.0	+007.8	+007.4
52.50	+006.7	+005.8	+004.9	+003.9	+003.0
53.75	+002.1	+001.4	+000.9	+001.2	+001.7
55.00	+002.2	+002.7	+003.2	+003.8	+004.5
56.25	+005.3	+006.0	+006.8	+007.5	+007.8
57.50	+007.8	+007.7	+007.4	+006.8	+006.1
58.75	+005.4	+004.4	+003.4	+002.3	+001.4
60.00	+000.3	+000.5	+001.4	+002.2	+003.0
61.25	+003.7	+004.3	+004.9	+005.3	+005.7
62.50	+006.1	+006.3	+006.4	+006.3	+006.2
63.75	+006.1	+005.7	+005.6	+005.3	+004.9
65.00	+004.7	+004.3	+004.1	+003.8	+003.5
66.25	+003.2	+002.9	+002.5	+002.1	+001.8
67.50	+001.4	+001.1	+000.9	+000.9	+000.8
68.75	+001.0	+001.0	+001.1	+001.2	+001.3
70.00	+001.4	+001.5	+001.6	+001.9	+002.1
71.25	+002.3	+002.6	+002.8	+002.9	+003.1
72.50	+003.4	+003.7	+003.9	+004.1	+004.3
73.75	+004.5	+004.6	+004.7	+004.8	+004.9

RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	TRC316	
75.00	+004.8	+004.9	+004.9	+005.0	+005.0
76.25	+005.0	+004.9	+004.8	+004.7	+004.7
77.50	+004.6	+004.4	+004.2	+003.9	+003.8
78.75	+003.5	+003.4	+003.2	+003.2	+003.0
80.00	+002.7	+002.6	+002.5	+002.2	+002.1
81.25	+001.8	+001.8	+001.6	+001.4	+001.3
82.50	+001.2	+001.2	+001.1	+001.1	+001.2
83.75	+001.2	+001.2	+001.3	+001.4	+001.4
85.00	+001.4	+001.5	+001.6	+001.6	+001.7
86.25	+001.7	+001.7	+001.6	+001.6	+001.6
87.50	+001.7	+001.7	+001.7	+001.8	+001.8
88.75	+001.8	+001.8	+001.8	+001.9	+001.9
90.00	+001.9	+001.9	+001.9	+002.0	+001.9
91.25	+001.9	+001.9	+002.0	+002.0	+002.0
92.50	+002.0	+002.1	+002.1	+002.1	+002.2
93.75	+002.1	+002.2	+002.2	+002.2	+002.1
95.00	+002.0	+002.0	+002.0	+001.9	+001.9
96.25	+001.8	+001.8	+001.7	+001.7	+001.7
97.50	+001.7	+001.7	+001.7	+001.7	+001.7
98.75	+001.7	+001.7	+001.6	+001.7	+001.7
100.00	+001.7	+001.6	+001.5	+001.5	+001.4
101.25	+001.4	+001.4	+001.4	+001.4	+001.4
102.50	+001.5	+001.4	+001.4	+001.6	+001.6
103.75	+001.6	+001.6	+001.6	+001.7	+001.7
105.00	+001.6	+001.7	+001.7	+001.7	+001.6
106.25	+001.7	+001.7	+001.6	+001.5	+001.4
107.50	+001.2	+001.2	+001.2	+001.4	+001.4
108.75	+001.4	+001.5	+001.5	+001.5	+001.4
110.00	+001.4	+001.4	+001.3	+001.2	+001.0
111.25	+000.9	+000.9	+000.9	+001.0	+001.0
112.50	+001.2	+001.3	+001.4	+001.3	+001.4
113.75	+001.2	+001.1	+001.1	+001.0	+001.0
115.00	+001.0	+000.9	+000.9	+000.9	+000.8
116.25	+000.8	+000.7	+000.8	+000.7	+000.7
117.50	+000.7	+000.7	+000.7	+000.7	+000.7
118.75	+000.7	+000.7	+000.7	+000.7	+313.4

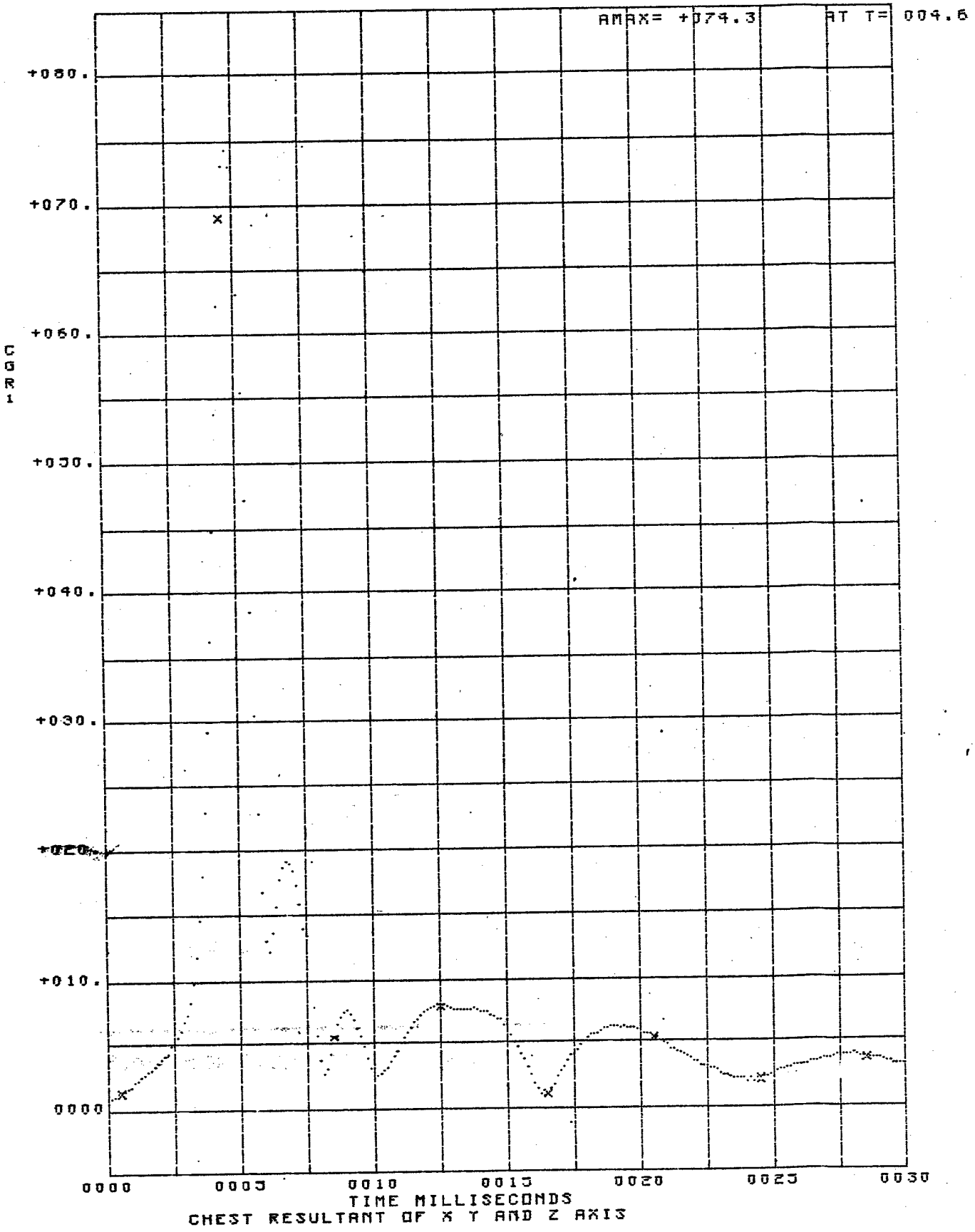
AMAX= +050.0 AT T=048.0


Chest Impact
Dummy No. 32, Run No. 5
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGX1


CHEST IMPACT
TEST C001
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1


CHEST IMPACT
TEST C001
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1

CHEST IMPACT
TEST C001



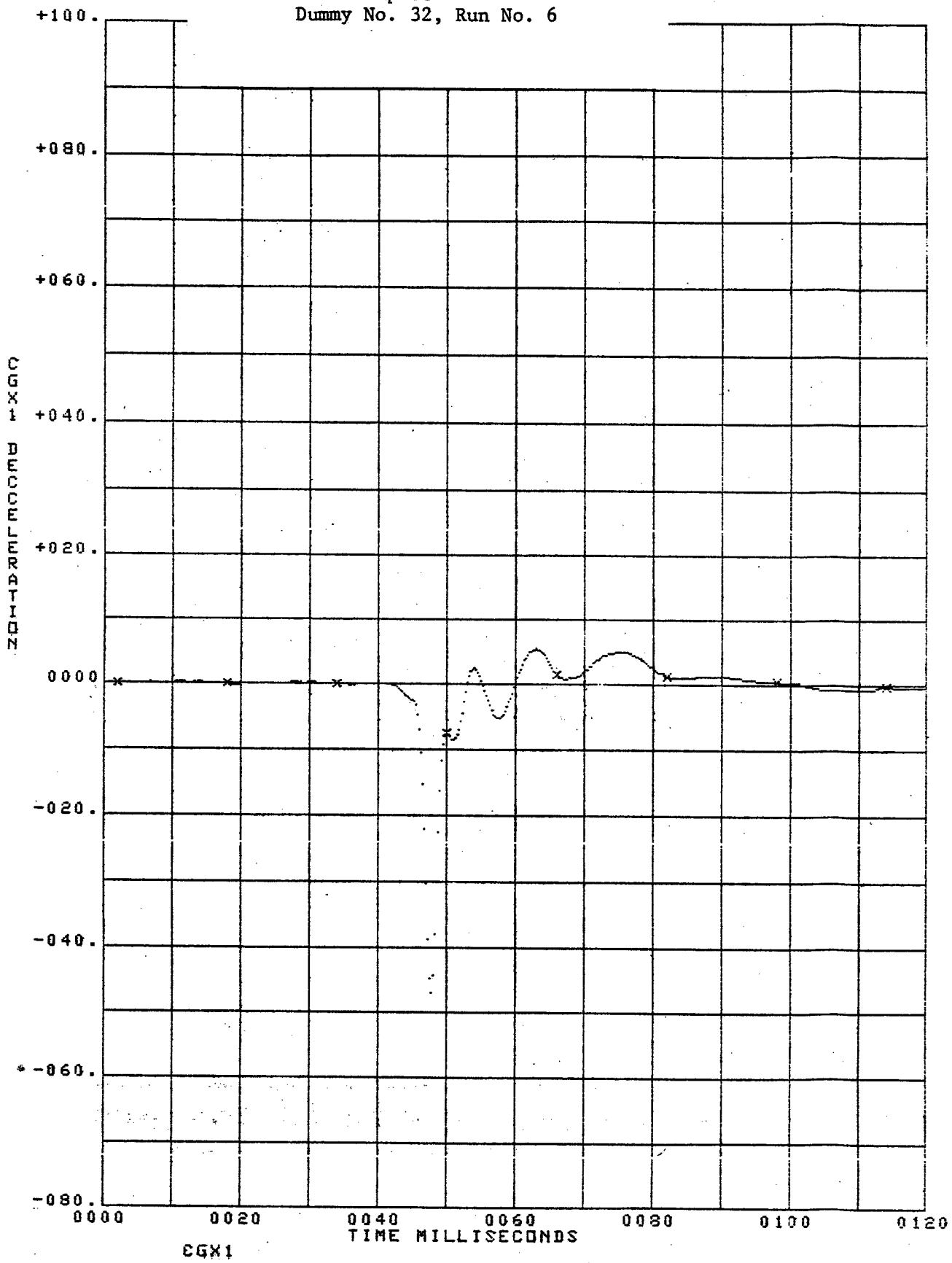
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C001

TIME					
0.0000	+000.6	+000.7	+000.9	+000.9	+001.1
0.6250	+001.2	+001.4	+001.6	+001.8	+002.0
1.2500	+002.2	+002.4	+002.6	+002.8	+003.1
1.8750	+003.3	+003.6	+003.9	+004.4	+004.8
2.5000	+005.2	+005.7	+006.2	+006.9	+007.9
3.1250	+009.3	+011.2	+014.0	+017.6	+022.5
3.7500	+028.6	+036.1	+044.7	+053.8	+062.2
4.3750	+068.9	+073.0	+074.3	+072.9	+069.0
5.0000	+063.2	+055.5	+047.1	+038.4	+030.0
5.6250	+022.3	+016.2	+012.6	+011.8	+013.1
6.2500	+015.2	+017.2	+018.1	+018.7	+018.5
6.8750	+018.0	+016.9	+015.3	+013.4	+011.5
7.5000	+009.4	+007.3	+005.2	+003.2	+002.1
8.1250	+002.5	+003.8	+005.0	+006.0	+006.7
8.7500	+007.0	+007.2	+006.9	+006.4	+005.8
9.3750	+005.1	+004.2	+003.4	+002.6	+002.1
10.0000	+002.0	+002.1	+002.3	+002.7	+003.1
10.6250	+003.6	+004.0	+004.5	+004.9	+005.4
11.2500	+005.7	+006.1	+006.4	+006.8	+007.0
11.8750	+007.2	+007.3	+007.3	+007.5	+007.4
12.5000	+007.5	+007.3	+007.3	+007.2	+007.2
13.1250	+007.1	+007.1	+007.2	+007.2	+007.2
13.7500	+007.2	+007.1	+007.0	+007.0	+006.8
14.3750	+006.7	+006.5	+006.3	+005.9	+005.4
15.0000	+005.1	+004.6	+004.2	+003.7	+003.2
15.6250	+002.6	+002.1	+001.5	+001.1	+000.7
16.2500	+000.5	+000.7	+001.0	+001.4	+001.8
16.8750	+002.3	+002.7	+003.1	+003.4	+003.7
17.5000	+004.0	+004.3	+004.6	+004.7	+005.0
18.1250	+005.2	+005.2	+005.4	+005.6	+005.6
18.7500	+005.7	+005.7	+005.7	+005.7	+005.7
19.3750	+005.6	+005.6	+005.6	+005.5	+005.3
20.0000	+005.3	+005.1	+005.0	+004.8	+004.8
20.6250	+004.6	+004.3	+004.3	+004.1	+004.0
21.2500	+003.8	+003.6	+003.5	+003.3	+003.3
21.8750	+003.0	+003.0	+002.8	+002.7	+002.5
22.5000	+002.4	+002.3	+002.2	+002.0	+001.9
23.1250	+001.8	+001.8	+001.7	+001.6	+001.6
23.7500	+001.6	+001.5	+001.6	+001.5	+001.6
24.3750	+001.7	+001.7	+001.8	+001.9	+002.0
25.0000	+002.1	+002.2	+002.2	+002.3	+002.3
25.6250	+002.5	+002.5	+002.7	+002.7	+002.8
26.2500	+002.9	+002.9	+002.9	+003.0	+003.1
26.8750	+003.1	+003.1	+003.2	+003.3	+003.3
27.5000	+003.3	+003.3	+003.3	+003.4	+003.3
28.1250	+003.2	+003.2	+003.2	+003.2	+003.1
28.7500	+003.1	+003.1	+003.0	+002.8	+002.8
29.3750	+002.8	+002.8	+002.8	+002.8	+002.8
30.0000	+002.7	+002.8	+002.8	+002.8	+002.8
30.6250	+002.8	+002.8	+003.0	+003.0	+003.0
31.2500	+003.0	+003.0	+003.0	+003.2	+003.2
31.8750	+003.2	+003.2	+003.3	+003.3	+003.3
32.5000	+003.5	+003.5	+003.6	+003.7	+003.7
33.1250	+003.7	+003.7	+003.9	+003.9	+003.9
33.7500	+003.9	+003.9	+004.0	+004.0	+004.0
34.3750	+004.0	+004.0	+004.0	+004.0	+004.0
35.0000	+003.9	+003.9	+003.8	+003.8	+003.8
35.6250	+003.7	+003.7	+003.6	+003.6	+003.5
36.2500	+003.4	+003.5	+003.4	+003.3	+003.3
36.8750	+003.2	+003.2	+003.2	+003.2	+003.2

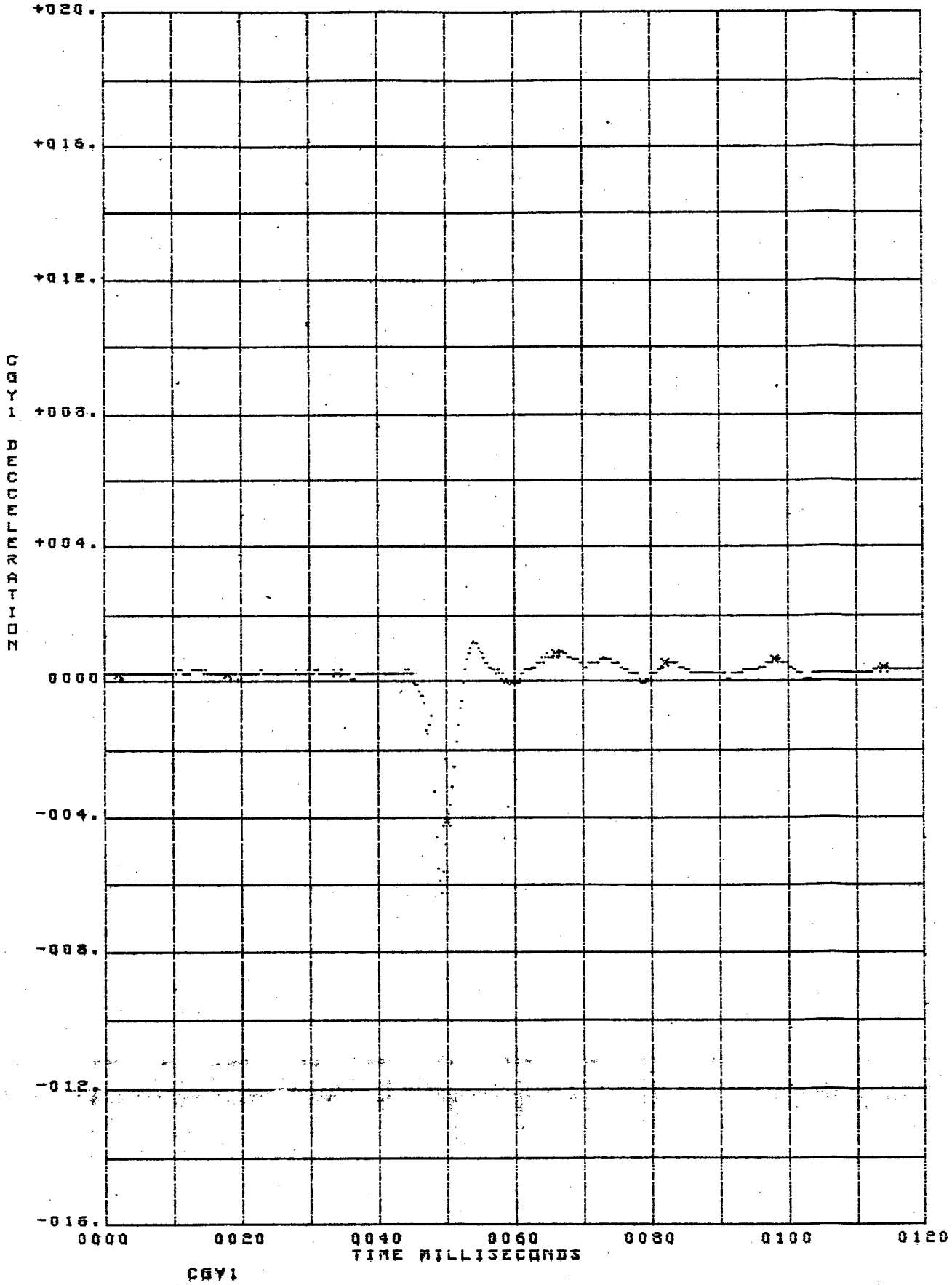
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C001		
37.5000	+003.0	+003.0	+002.9	+002.8	+002.8	
38.1250	+002.8	+002.7	+002.6	+002.6	+002.6	
38.7500	+002.5	+002.5	+002.5	+002.5	+002.3	
39.3750	+002.3	+002.2	+002.2	+002.1	+002.1	
40.0000	+002.1	+002.1	+002.1	+002.0	+001.9	
40.6250	+001.9	+001.9	+001.8	+001.8	+001.8	
41.2500	+001.8	+001.8	+001.8	+001.8	+001.8	
41.8750	+001.7	+001.7	+001.7	+001.7	+001.7	
42.5000	+001.8	+001.8	+001.8	+001.8	+001.8	
43.1250	+001.8	+001.8	+001.9	+001.9	+001.9	
43.7500	+001.9	+001.9	+002.0	+002.0	+002.0	
44.3750	+002.0	+002.0	+002.0	+002.0	+001.9	
45.0000	+001.9	+001.9	+001.9	+002.0	+001.9	
45.6250	+002.0	+001.9	+001.9	+001.9	+001.8	
46.2500	+001.8	+001.8	+001.8	+001.8	+001.8	
46.8750	+001.7	+001.8	+001.8	+001.8	+001.8	
47.5000	+001.8	+001.7	+001.8	+001.8	+001.8	
48.1250	+001.8	+001.8	+001.8	+001.8	+001.8	
48.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
49.3750	+001.7	+001.6	+001.7	+001.7	+001.7	
50.0000	+001.7	+001.7	+001.7	+001.7	+001.7	
50.6250	+001.7	+001.8	+001.8	+001.8	+001.9	
51.2500	+001.8	+001.9	+001.9	+001.9	+001.9	
51.8750	+002.0	+002.0	+002.0	+002.0	+001.9	
52.5000	+001.9	+002.0	+002.0	+002.0	+002.0	
53.1250	+002.0	+002.0	+002.0	+001.9	+001.9	
53.7500	+001.9	+001.9	+001.8	+001.9	+001.8	
54.3750	+001.8	+001.8	+001.8	+001.8	+001.8	
55.0000	+001.8	+001.8	+001.8	+001.6	+001.6	
55.6250	+001.6	+001.6	+001.6	+001.6	+001.7	
56.2500	+001.7	+001.7	+001.7	+001.6	+001.7	
56.8750	+001.7	+001.7	+001.7	+001.7	+001.7	
57.5000	+001.7	+001.7	+001.7	+001.7	+001.7	
58.1250	+001.7	+001.7	+001.8	+001.7	+001.7	
58.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
59.3750	+001.7	+001.8	+001.8	+001.8	+313.4	

AMAX= +074.3 AT T=004.6

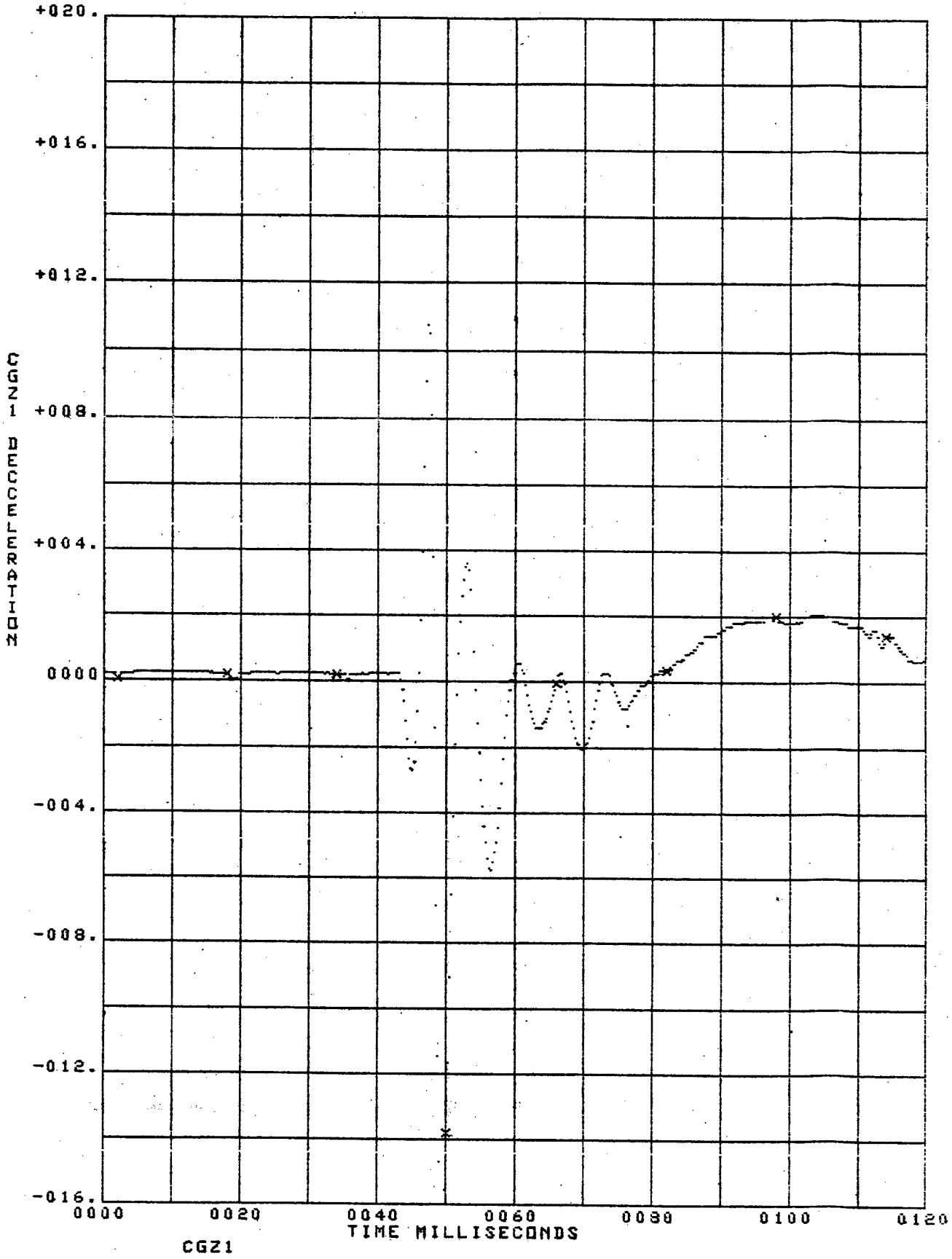
CHEST IMPACT
TRC NO. 315



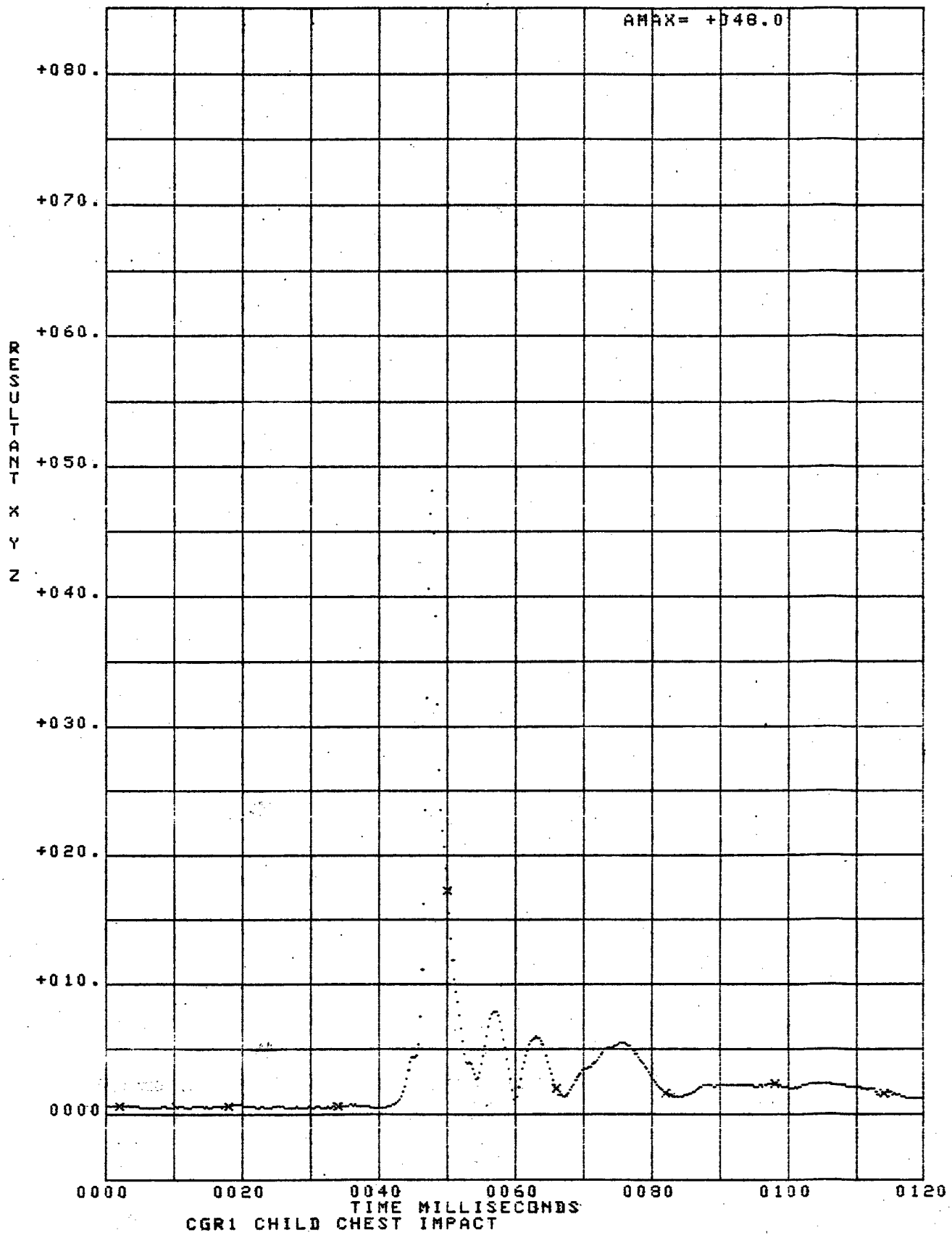
CHEST IMPACT
TRC NO. 513

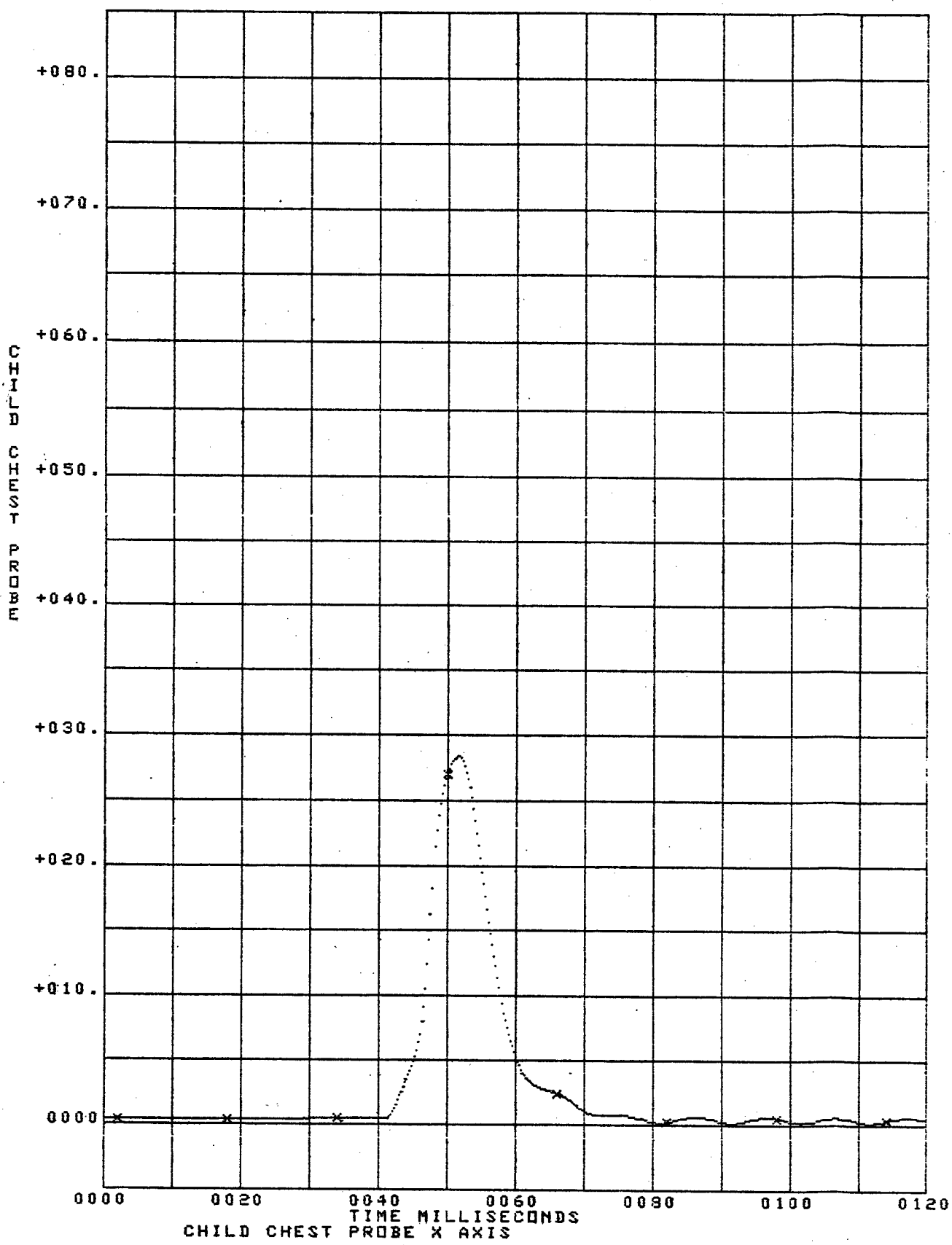


CHEST IMPACT
TRC NO. 315



CHEST IMPACT
TRC NO. 315




CHEST IMPACT
TRC NO. 315
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CHILD CHEST PROBE
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
CHILD CHEST PROBE X AXIS

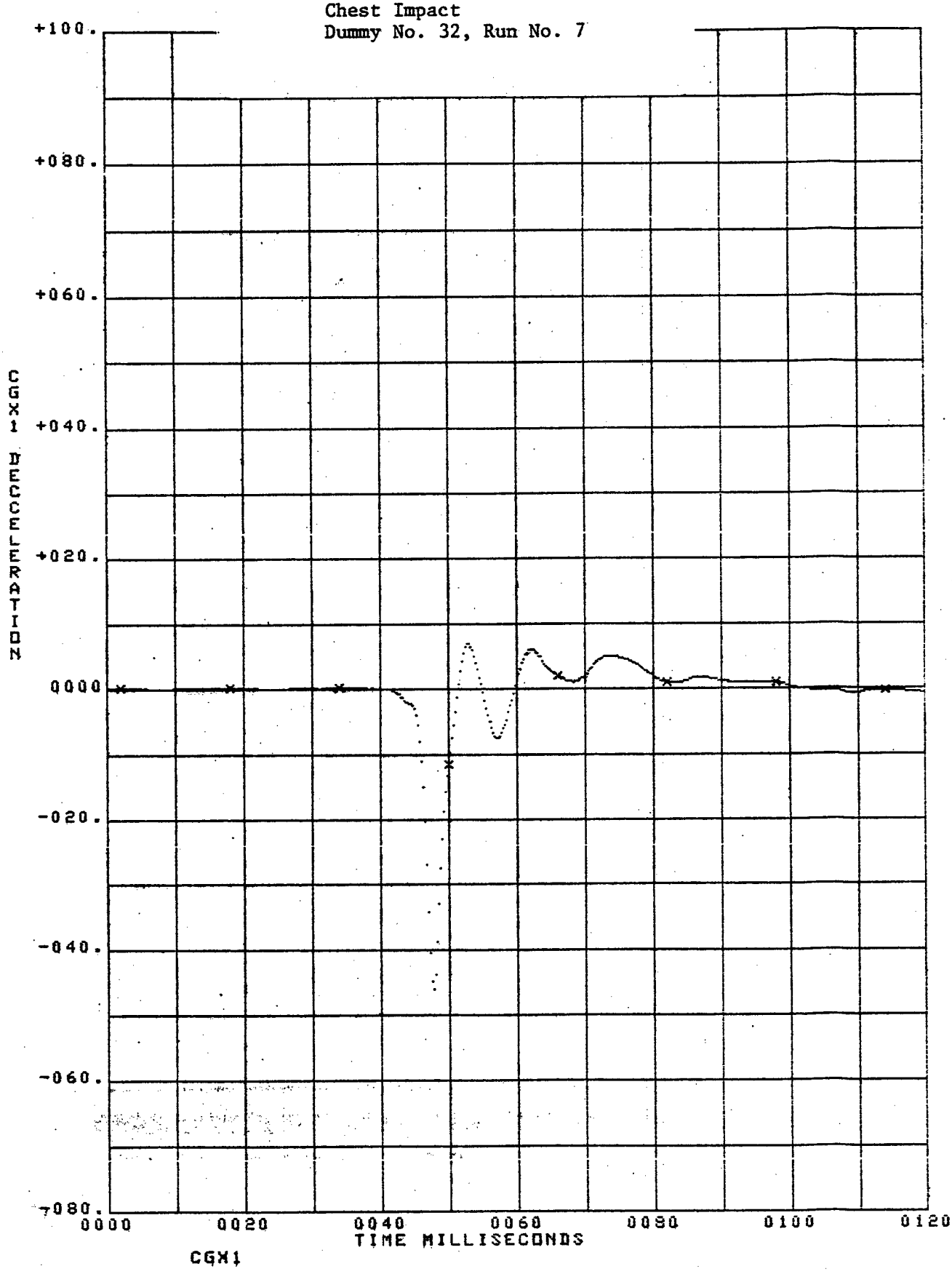
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 TRC315

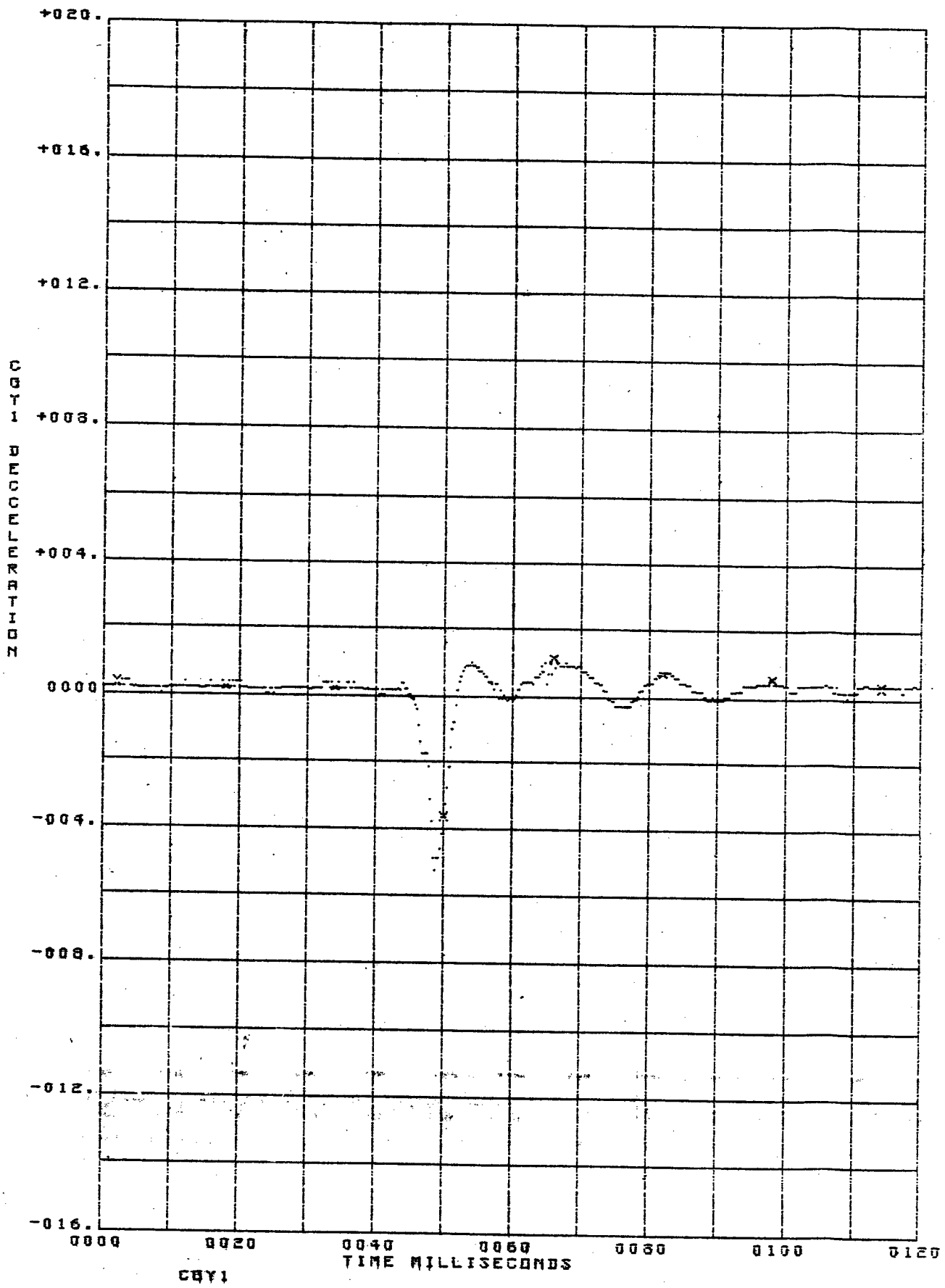
TIME					
0.00	+000.1	+000.1	+000.1	+000.1	+000.1
1.25	+000.1	+000.1	+000.2	+000.2	+000.2
2.50	+000.1	+000.1	+000.1	+000.1	+000.1
3.75	+000.1	+000.1	+000.1	+000.1	+000.0
5.00	+000.0	+000.0	+000.0	+000.0	+000.0
6.25	+000.0	+000.0	+000.0	+000.0	+000.0
7.50	+000.0	+000.0	+000.1	+000.1	+000.1
8.75	+000.0	+000.0	+000.0	+000.0	+000.0
10.00	+000.1	+000.0	+000.1	+000.1	+000.1
11.25	+000.0	+000.0	+000.0	+000.0	+000.0
12.50	+000.1	+000.1	+000.1	+000.1	+000.1
13.75	+000.1	+000.1	+000.0	+000.1	+000.0
15.00	+000.0	+000.0	+000.1	+000.1	+000.1
16.25	+000.1	+000.1	+000.0	+000.1	+000.1
17.50	+000.1	+000.1	+000.2	+000.3	+000.3
18.75	+000.3	+000.3	+000.3	+000.2	+000.1
20.00	+000.1	+000.1	+000.1	+000.1	+000.1
21.25	+000.1	+000.1	+000.0	+000.0	+000.0
22.50	+000.1	+000.1	+000.0	+000.0	+000.0
23.75	+000.0	+000.0	+000.1	+000.1	+000.1
25.00	+000.1	+000.1	+000.1	+000.1	+000.0
26.25	+000.0	+000.0	+000.0	+000.0	+000.0
27.50	+000.0	+000.1	+000.0	+000.0	+000.0
28.75	+000.0	+000.0	+000.0	+000.1	+000.1
30.00	+000.0	+000.0	+000.1	+000.1	+000.1
31.25	+000.0	+000.0	+000.0	+000.0	+000.1
32.50	+000.0	+000.0	+000.1	+000.1	+000.0
33.75	+000.1	+000.1	+000.1	+000.1	+000.1
35.00	+000.1	+000.2	+000.3	+000.3	+000.2
36.25	+000.3	+000.1	+000.1	+000.1	+000.1
37.50	+000.1	+000.1	+000.1	+000.1	+000.0
38.75	+000.0	+000.0	+000.0	+000.0	+000.0
40.00	+000.0	+000.0	+000.0	+000.0	+000.1
41.25	+000.1	+000.1	+000.2	+000.3	+000.4
42.50	+000.4	+000.7	+000.9	+001.3	+001.6
43.75	+002.2	+002.9	+003.5	+003.9	+003.9
45.00	+003.9	+004.0	+004.9	+007.0	+010.6
46.25	+015.8	+022.9	+031.7	+040.4	+046.2
47.50	+048.0	+044.6	+038.2	+031.3	+026.1
48.75	+022.9	+021.3	+020.1	+018.5	+016.7
50.00	+014.9	+013.0	+011.3	+009.9	+008.9
51.25	+008.1	+007.2	+006.1	+005.1	+004.1
52.50	+003.5	+003.4	+003.4	+003.3	+003.0
53.75	+002.6	+002.3	+002.4	+002.8	+003.3
55.00	+004.1	+004.8	+005.5	+006.2	+006.8
56.25	+007.2	+007.4	+007.4	+007.4	+007.1
57.50	+006.6	+006.0	+005.3	+004.6	+003.8
58.75	+002.9	+002.3	+001.4	+000.7	+000.3
60.00	+000.9	+001.6	+002.2	+002.9	+003.5
61.25	+004.0	+004.4	+004.9	+005.1	+005.3
62.50	+005.4	+005.5	+005.4	+005.3	+005.1
63.75	+004.9	+004.5	+004.0	+003.5	+003.0
65.00	+002.6	+002.1	+001.7	+001.5	+001.1
66.25	+001.0	+001.0	+001.0	+000.9	+001.0
67.50	+001.2	+001.4	+001.7	+001.8	+002.1
68.75	+002.3	+002.5	+002.6	+002.8	+002.9
70.00	+003.0	+003.0	+003.1	+003.1	+003.3
71.25	+003.4	+003.6	+003.7	+003.9	+004.1
72.50	+004.3	+004.5	+004.5	+004.6	+004.7
73.75	+004.7	+004.7	+004.8	+004.8	+004.9

RESULTANT (CGR1)	OF CGX1	CGY1	CGZ1	TRC315		
75.00	+005.0	+005.0	+005.0	+005.0	+004.9	
76.25	+004.7	+004.7	+004.5	+004.4	+004.2	
77.50	+004.1	+003.9	+003.7	+003.5	+003.3	
78.75	+003.2	+002.9	+002.7	+002.5	+002.3	
80.00	+002.1	+002.0	+001.7	+001.7	+001.6	
81.25	+001.4	+001.3	+001.2	+001.1	+001.0	
82.50	+001.0	+001.0	+000.9	+000.9	+000.9	
83.75	+000.9	+000.9	+000.9	+001.0	+001.0	
85.00	+001.0	+001.1	+001.2	+001.3	+001.3	
86.25	+001.4	+001.5	+001.6	+001.6	+001.7	
87.50	+001.7	+001.7	+001.7	+001.7	+001.7	
88.75	+001.7	+001.7	+001.8	+001.8	+001.8	
90.00	+001.8	+001.8	+001.8	+001.8	+001.8	
91.25	+001.7	+001.8	+001.8	+001.8	+001.8	
92.50	+001.8	+001.7	+001.7	+001.8	+001.8	
93.75	+001.8	+001.8	+001.7	+001.7	+001.7	
95.00	+001.7	+001.7	+001.7	+001.8	+001.7	
96.25	+001.8	+001.8	+001.8	+001.8	+001.8	
97.50	+001.8	+001.8	+001.7	+001.7	+001.7	
98.75	+001.7	+001.6	+001.6	+001.6	+001.6	
100.00	+001.6	+001.6	+001.6	+001.7	+001.6	
101.25	+001.6	+001.6	+001.8	+001.8	+001.8	
102.50	+001.8	+001.8	+001.8	+001.8	+001.8	
103.75	+001.9	+001.9	+001.9	+001.9	+001.9	
105.00	+001.9	+001.9	+001.9	+001.9	+001.8	
106.25	+001.8	+001.8	+001.8	+001.8	+001.8	
107.50	+001.8	+001.8	+001.8	+001.7	+001.7	
108.75	+001.7	+001.7	+001.7	+001.7	+001.6	
110.00	+001.6	+001.6	+001.6	+001.5	+001.5	
111.25	+001.4	+001.5	+001.6	+001.6	+001.5	
112.50	+001.3	+001.0	+001.0	+000.9	+001.0	
113.75	+001.2	+001.2	+001.3	+001.2	+001.3	
115.00	+001.1	+001.1	+001.0	+001.0	+001.0	
116.25	+000.9	+000.9	+000.9	+000.8	+000.8	
117.50	+000.8	+000.7	+000.7	+000.7	+000.7	
118.75	+000.7	+000.7	+000.8	+000.8	+313.4	

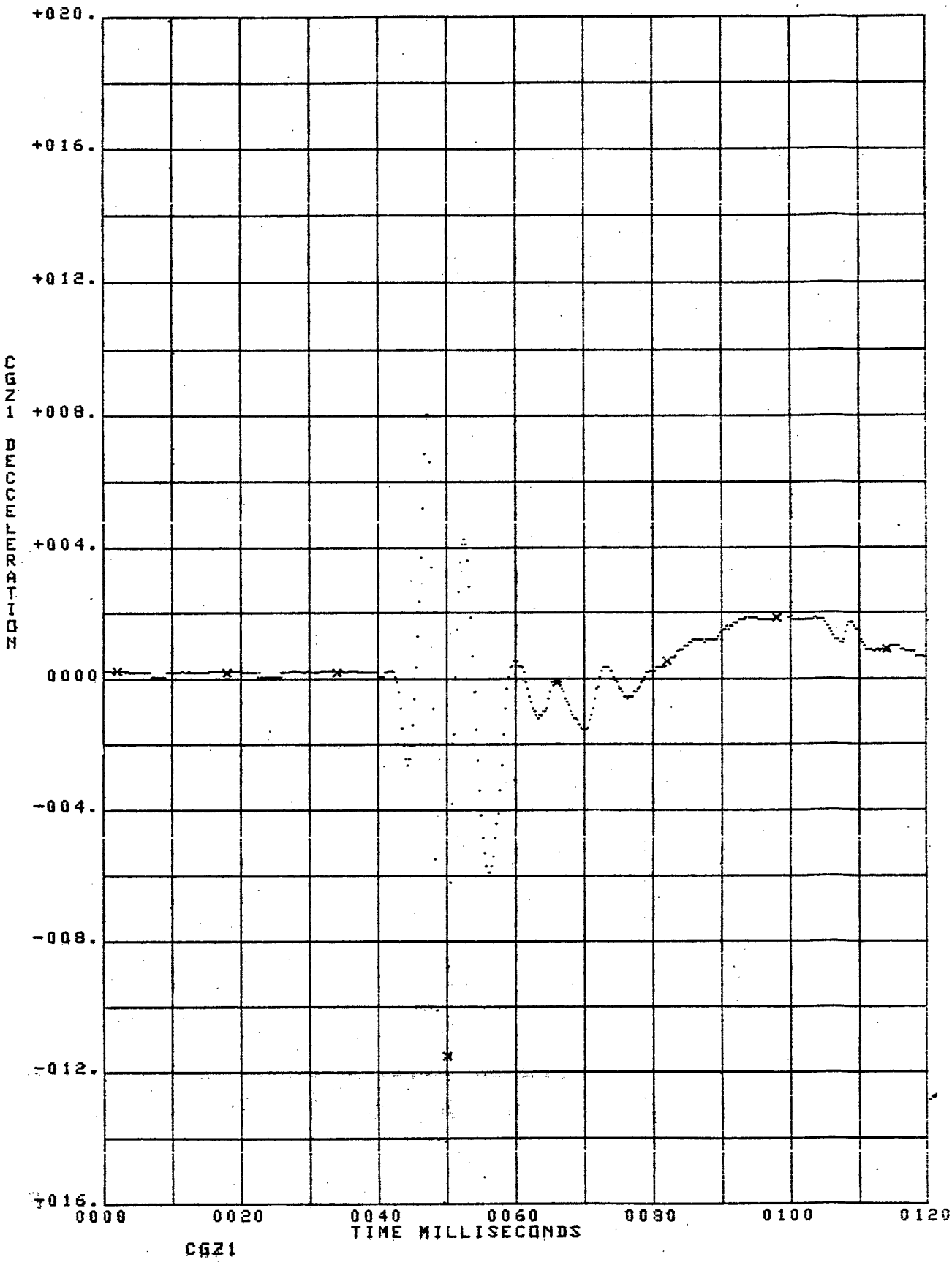
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CHEST IMPACT
TRC NO. 314

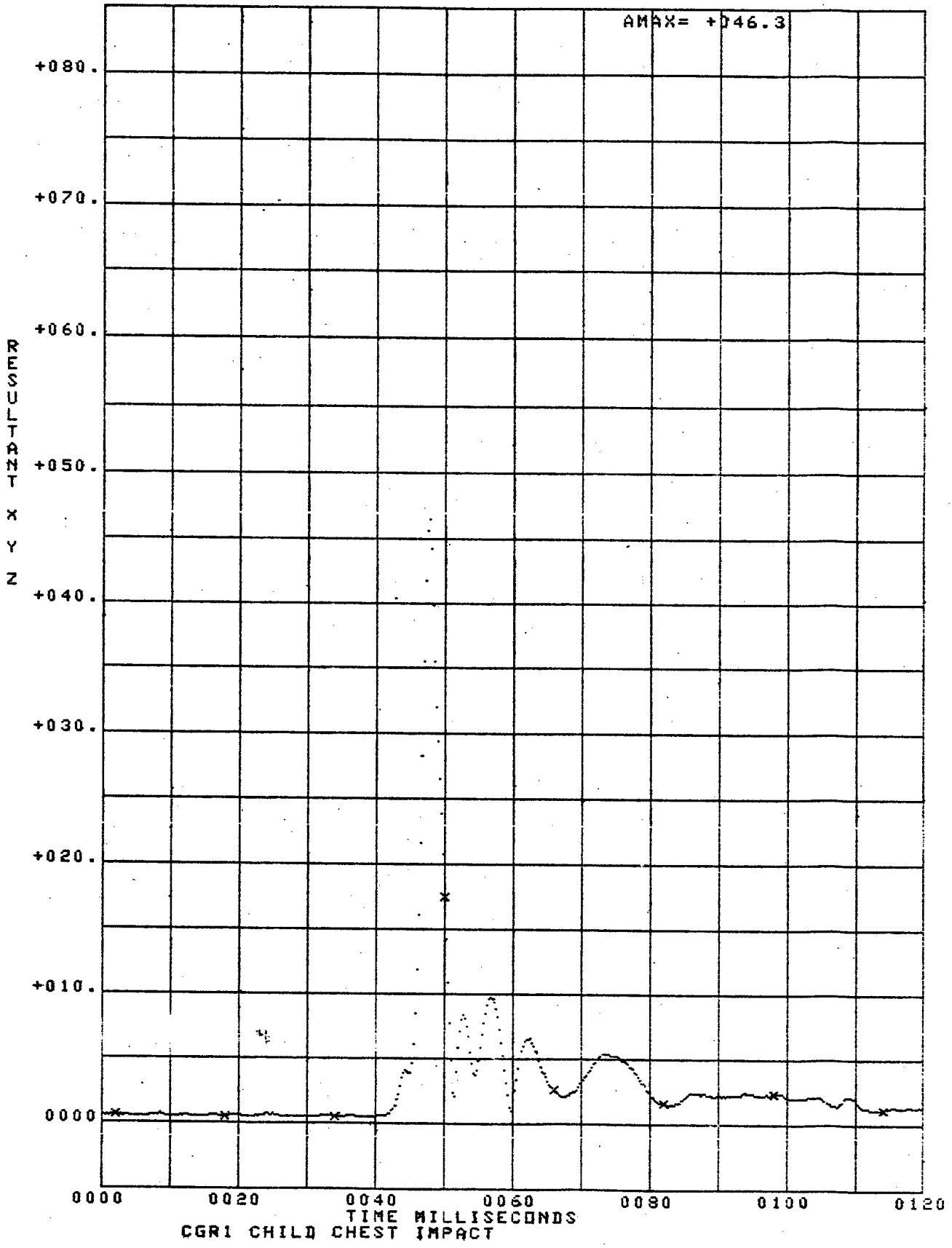



CHEST IMPACT
TRC NO. 314
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGTI DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
CGY1

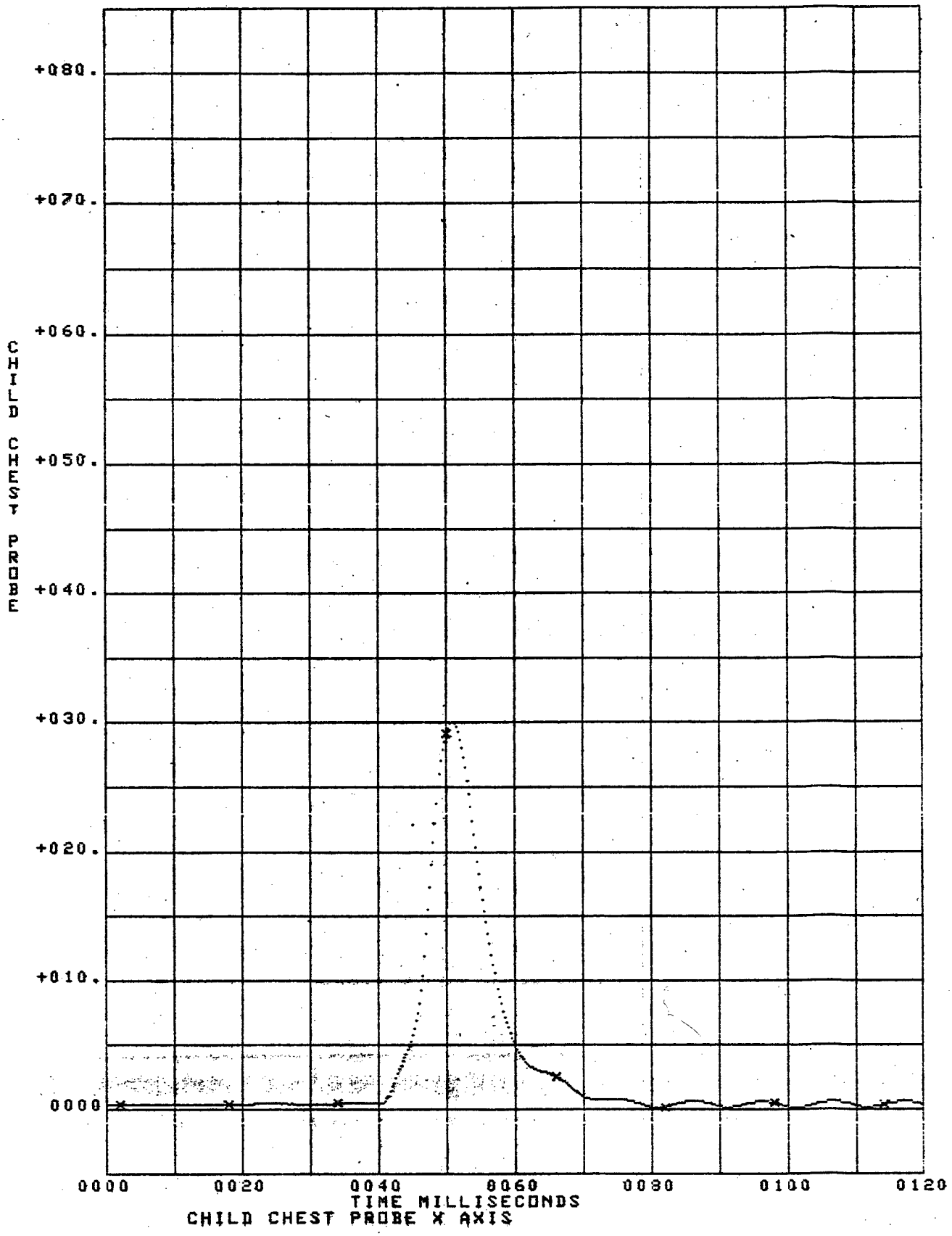
CHEST IMPACT
TRC NO. 314



CHEST IMPACT
TRC NO. 314



CHEST IMPACT
TRC HQ. 314

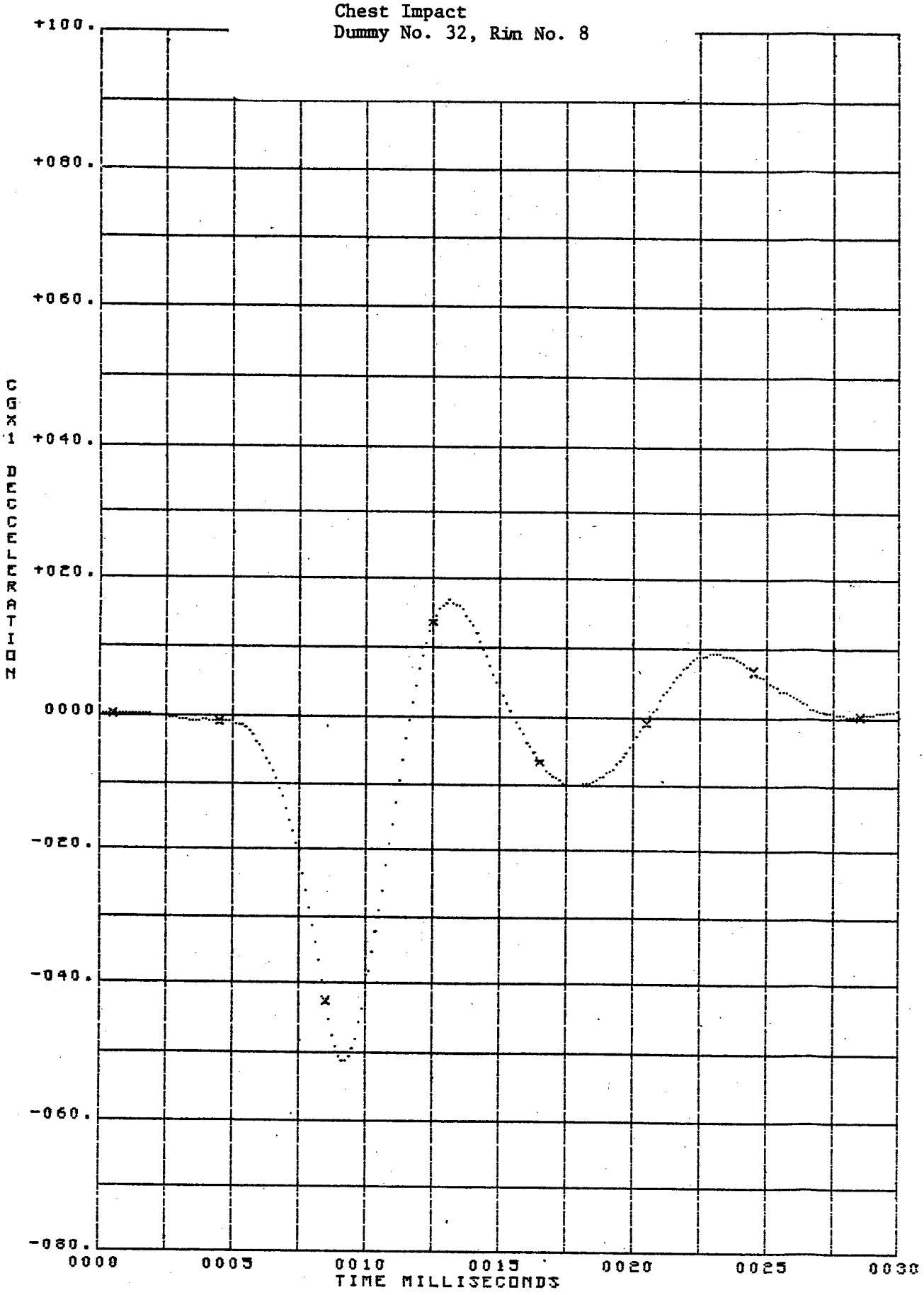


RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 TRC314

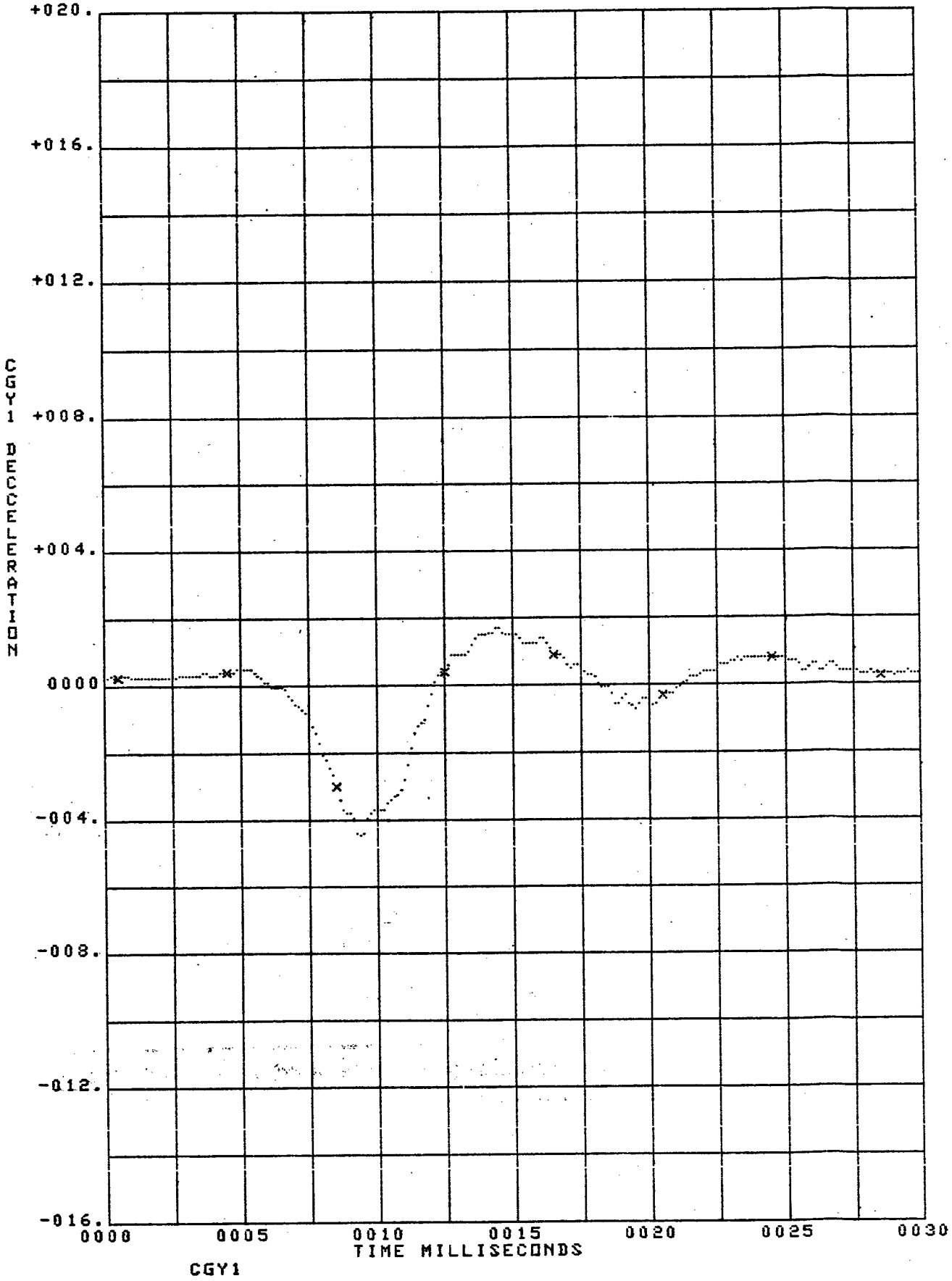
TIME					
0.00	+000.1	+000.0	+000.1	+000.0	+000.1
1.25	+000.1	+000.1	+000.1	+000.1	+000.0
2.50	+000.1	+000.0	+000.1	+000.1	+000.1
3.75	+000.0	+000.0	+000.0	+000.0	+000.0
5.00	+000.0	+000.0	+000.0	+000.0	+000.0
6.25	+000.0	+000.0	+000.1	+000.2	+000.1
7.50	+000.1	+000.1	+000.2	+000.2	+000.1
8.75	+000.1	+000.0	+000.0	+000.0	+000.0
10.00	+000.0	+000.0	+000.0	+000.0	+000.0
11.25	+000.1	+000.0	+000.1	+000.1	+000.1
12.50	+000.0	+000.0	+000.0	+000.0	+000.0
13.75	+000.0	+000.0	+000.0	+000.0	+000.0
15.00	+000.0	+000.0	+000.1	+000.1	+000.1
16.25	+000.1	+000.1	+000.0	+000.0	+000.0
17.50	+000.1	+000.0	+000.0	+000.0	+000.1
18.75	+000.1	+000.1	+000.1	+000.1	+000.1
20.00	+000.1	+000.0	+000.0	+000.0	+000.0
21.25	+000.0	+000.0	+000.0	+000.0	+000.1
22.50	+000.0	+000.1	+000.1	+000.1	+000.1
23.75	+000.2	+000.2	+000.2	+000.2	+000.2
25.00	+000.1	+000.1	+000.1	+000.0	+000.0
26.25	+000.0	+000.0	+000.0	+000.0	+000.0
27.50	+000.0	+000.0	+000.0	+000.0	+000.0
28.75	+000.0	+000.0	+000.0	+000.0	+000.0
30.00	+000.0	+000.0	+000.0	+000.0	+000.0
31.25	+000.0	+000.0	+000.1	+000.1	+000.1
32.50	+000.1	+000.1	+000.1	+000.1	+000.0
33.75	+000.0	+000.0	+000.0	+000.0	+000.0
35.00	+000.0	+000.0	+000.1	+000.1	+000.1
36.25	+000.1	+000.1	+000.0	+000.0	+000.0
37.50	+000.0	+000.0	+000.0	+000.0	+000.0
38.75	+000.0	+000.0	+000.0	+000.0	+000.0
40.00	+000.1	+000.2	+000.2	+000.1	+000.2
41.25	+000.1	+000.2	+000.3	+000.4	+000.7
42.50	+001.0	+001.4	+001.8	+002.4	+002.9
43.75	+003.4	+003.6	+003.5	+003.4	+003.4
45.00	+004.1	+005.6	+008.0	+011.3	+015.6 τ_1
46.25	+021.0	+027.8	+035.2	+041.5	+045.4
47.50	+046.3	+044.0	+039.5	+035.0	+031.6
48.75	+028.9	+026.0	+023.3	+020.2 τ_2	+017.0
50.00	+013.7	+010.4	+007.3	+004.4	+001.9
51.25	+001.7	+003.5	+005.4	+006.7	+007.5
52.50	+007.8	+007.6	+007.0	+006.2	+005.0
53.75	+004.1	+003.4	+003.3	+003.7	+004.4
55.00	+005.4	+006.3	+007.2	+008.0	+008.6
56.25	+009.0	+009.2	+009.0	+008.8	+008.4
57.50	+007.7	+006.8	+005.7	+004.8	+003.6
58.75	+002.6	+001.7	+000.8	+000.5	+001.3
60.00	+002.1	+002.9	+003.8	+004.5	+005.1
61.25	+005.5	+005.8	+006.0	+006.0	+006.1
62.50	+005.8	+005.5	+005.2	+005.0	+004.4
63.75	+003.9	+003.6	+003.4	+003.1	+002.7
65.00	+002.5	+002.4	+002.2	+002.2	+002.0
66.25	+001.9	+001.8	+001.7	+001.6	+001.7
67.50	+001.6	+001.8	+001.8	+001.9	+002.0
68.75	+002.0	+002.1	+002.4	+002.6	+002.8
70.00	+002.8	+003.1	+003.2	+003.4	+003.6
71.25	+003.9	+004.1	+004.3	+004.5	+004.6
72.50	+004.8	+004.8	+004.8	+004.8	+004.8
73.75	+004.9	+004.8	+004.8	+004.8	+004.7

RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	TRC314		
75.00	+004.7	+004.6	+004.6	+004.4	+004.4	
76.25	+004.3	+004.2	+003.9	+003.9	+003.7	
77.50	+003.5	+003.3	+003.2	+002.9	+002.7	
78.75	+002.6	+002.5	+002.2	+002.1	+001.8	
80.00	+001.7	+001.5	+001.4	+001.3	+001.1	
81.25	+001.1	+001.2	+001.1	+001.0	+001.1	
82.50	+001.1	+001.1	+001.0	+001.0	+001.1	
83.75	+001.1	+001.1	+001.4	+001.4	+001.5	
85.00	+001.6	+001.7	+001.8	+001.9	+001.9	
86.25	+001.9	+001.9	+001.9	+001.9	+001.8	
87.50	+001.8	+001.8	+001.8	+001.8	+001.8	
88.75	+001.7	+001.7	+001.7	+001.7	+001.7	
90.00	+001.8	+001.7	+001.8	+001.6	+001.7	
91.25	+001.7	+001.7	+001.7	+001.7	+001.8	
92.50	+001.8	+001.8	+001.8	+001.9	+002.0	
93.75	+001.9	+001.9	+001.9	+001.9	+001.9	
95.00	+001.8	+001.8	+001.8	+001.8	+001.8	
96.25	+001.8	+001.8	+001.9	+001.8	+001.8	
97.50	+001.9	+001.9	+001.8	+001.9	+001.9	
98.75	+001.9	+001.8	+001.8	+001.7	+001.6	
100.00	+001.6	+001.6	+001.6	+001.6	+001.6	
101.25	+001.6	+001.6	+001.6	+001.6	+001.6	
102.50	+001.6	+001.6	+001.6	+001.7	+001.7	
103.75	+001.6	+001.6	+001.6	+001.6	+001.5	
105.00	+001.4	+001.4	+001.3	+001.2	+001.1	
106.25	+001.0	+001.0	+001.0	+001.0	+001.0	
107.50	+001.1	+001.3	+001.6	+001.7	+001.7	
108.75	+001.7	+001.7	+001.5	+001.5	+001.4	
110.00	+001.2	+001.0	+000.9	+000.8	+000.8	
111.25	+000.8	+000.7	+000.7	+000.7	+000.7	
112.50	+000.7	+000.7	+000.7	+000.7	+000.7	
113.75	+000.7	+000.7	+000.8	+000.8	+000.8	
115.00	+000.9	+000.9	+000.9	+000.8	+000.9	
116.25	+000.8	+000.7	+000.7	+000.7	+000.9	
117.50	+000.9	+000.9	+000.8	+000.8	+000.8	
118.75	+000.8	+000.9	+000.8	+000.8	+313.4	

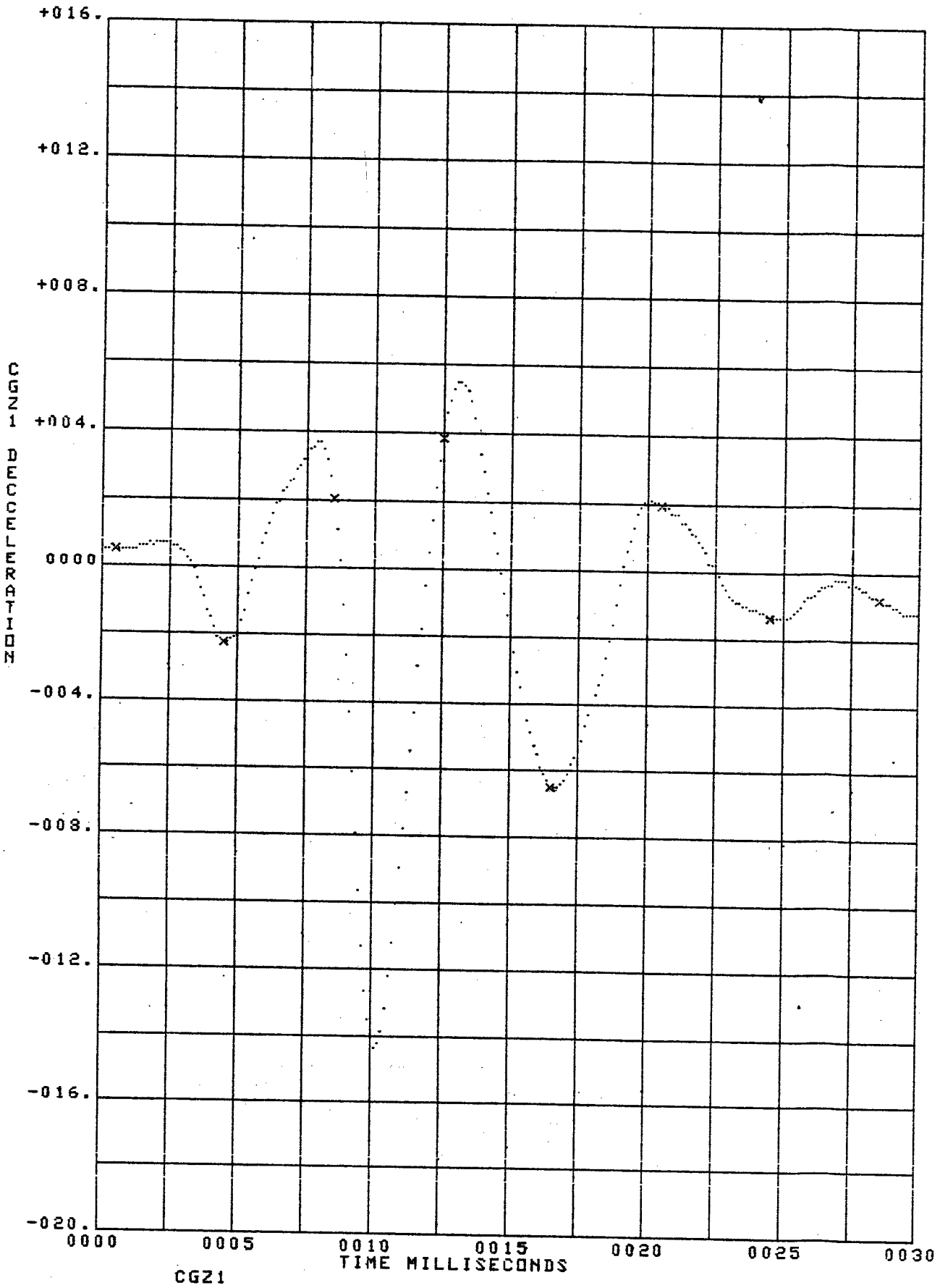
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Chest Impact
Dummy No. 32, Rim No. 8
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CG X 1 DECELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

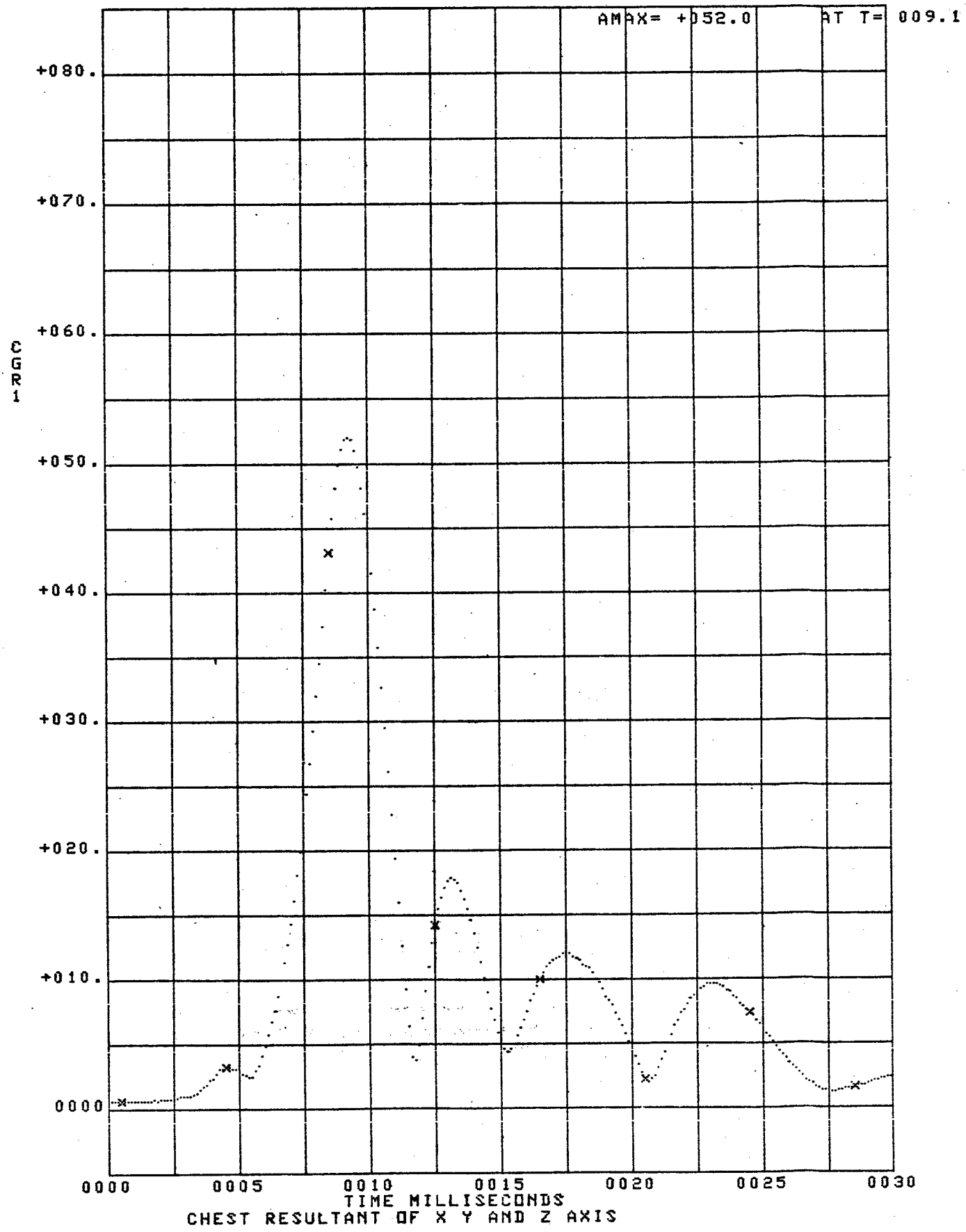
CHEST IMPACT
TEST C004



CHEST IMPACT
TEST C004



CHEST IMPACT
TEST C004



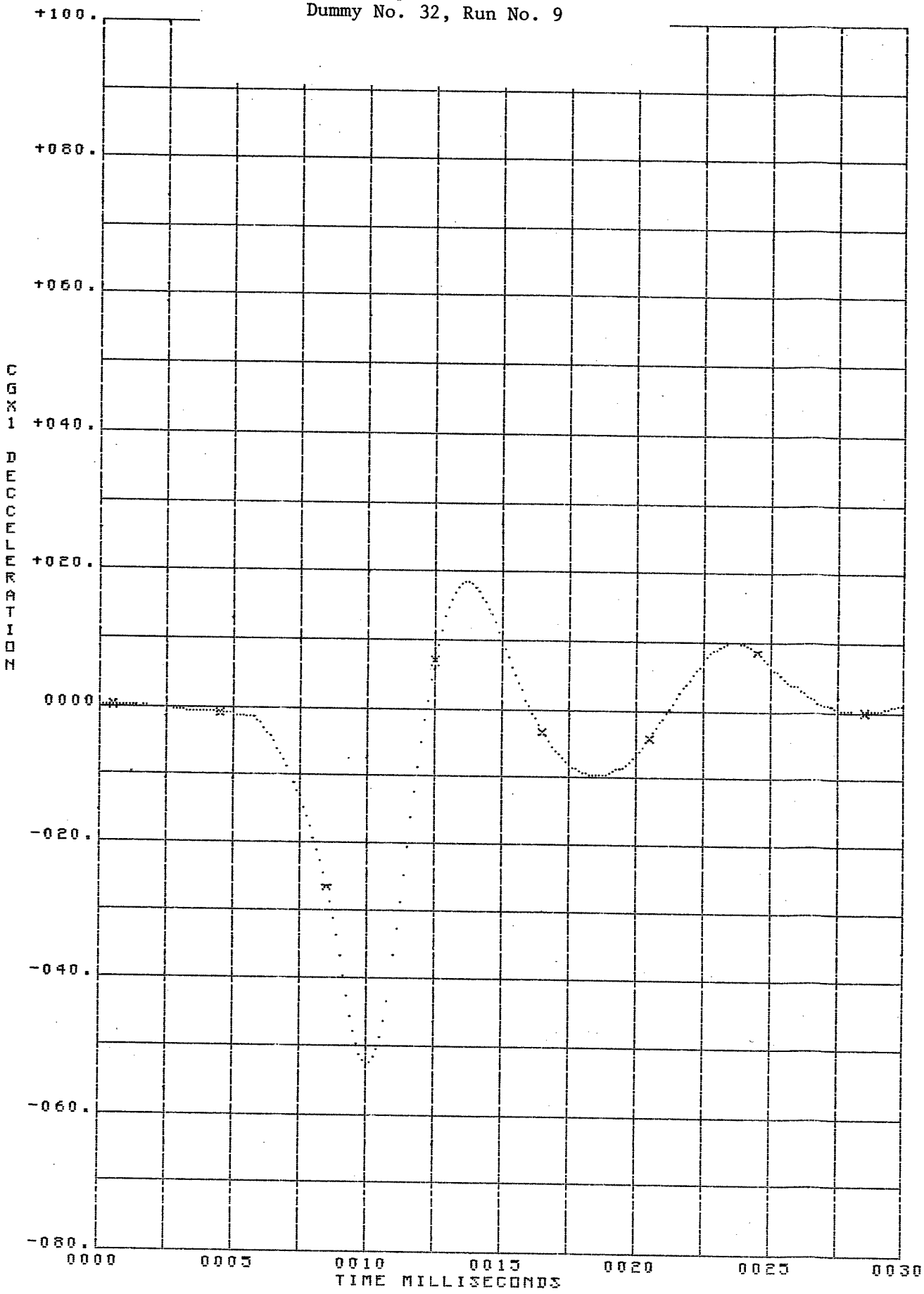
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C004

TIME					
0.0000	+000.1	+000.1	+000.2	+000.1	+000.2
0.6250	+000.2	+000.2	+000.1	+000.1	+000.1
1.2500	+000.2	+000.2	+000.2	+000.3	+000.2
1.8750	+000.3	+000.3	+000.3	+000.3	+000.3
2.5000	+000.3	+000.5	+000.4	+000.4	+000.6
3.1250	+000.7	+000.8	+001.0	+001.3	+001.4
3.7500	+001.8	+001.9	+002.3	+002.6	+002.6
4.3750	+002.8	+002.8	+002.6	+002.7	+002.5
5.0000	+002.3	+002.1	+002.0	+002.0	+002.5
5.6250	+002.9	+003.6	+004.4	+005.2	+006.2
6.2500	+007.2	+008.3	+009.4	+010.8	+012.2
6.8750	+013.8	+015.6	+017.5	+019.3	+021.4
7.5000	+023.8	+026.2	+028.8	+031.5	+034.1
8.1250	+037.1	+040.0	+042.9	+045.6	+047.9
8.7500	+049.7	+051.1	+051.7	+052.0	+051.7
9.3750	+050.9	+049.6	+048.0	+046.0	+043.8
10.0000	+041.2	+038.5	+035.4	+032.3	+029.0
10.6250	+025.6	+022.2	+018.8	+015.5	+012.1
11.2500	+008.7	+005.9	+003.6	+003.2	+004.4
11.8750	+006.5	+008.6	+010.5	+012.3	+013.7
12.5000	+015.0	+015.9	+016.6	+017.1	+017.3
13.1250	+017.2	+016.9	+016.4	+015.8	+014.9
13.7500	+014.0	+013.1	+012.0	+010.8	+009.6
14.3750	+008.4	+007.2	+006.3	+005.4	+004.6
15.0000	+004.2	+004.1	+004.2	+004.6	+005.1
15.6250	+005.7	+006.4	+007.0	+007.8	+008.4
16.2500	+008.9	+009.5	+010.0	+010.4	+010.7
16.8750	+010.9	+011.1	+011.2	+011.5	+011.4
17.5000	+011.4	+011.2	+011.1	+010.9	+010.7
18.1250	+010.4	+010.3	+010.0	+009.6	+009.2
18.7500	+008.7	+008.2	+007.8	+007.5	+006.9
19.3750	+006.4	+005.8	+005.3	+004.7	+004.1
20.0000	+003.5	+002.8	+002.3	+001.8	+001.5
20.6250	+001.8	+002.1	+002.6	+003.3	+003.9
21.2500	+004.5	+005.1	+005.8	+006.3	+006.9
21.8750	+007.2	+007.6	+008.0	+008.3	+008.6
22.5000	+008.7	+008.9	+009.0	+009.0	+009.1
23.1250	+009.1	+009.0	+008.8	+008.6	+008.5
23.7500	+008.2	+008.0	+007.7	+007.4	+007.1
24.3750	+006.8	+006.6	+006.2	+005.9	+005.7
25.0000	+005.3	+005.0	+004.6	+004.3	+004.0
25.6250	+003.7	+003.3	+003.0	+002.7	+002.5
26.2500	+002.2	+002.0	+001.7	+001.5	+001.4
26.8750	+001.2	+001.0	+000.9	+000.9	+000.8
27.5000	+000.8	+000.8	+001.0	+000.9	+001.0
28.1250	+001.1	+001.1	+001.2	+001.3	+001.3
28.7500	+001.3	+001.4	+001.5	+001.6	+001.7
29.3750	+001.8	+001.8	+001.8	+001.9	+002.1
30.0000	+002.1	+002.2	+002.2	+002.3	+002.4
30.6250	+002.5	+002.6	+002.6	+002.7	+002.7
31.2500	+002.8	+002.9	+002.9	+003.0	+003.1
31.8750	+003.1	+003.2	+003.2	+003.3	+003.3
32.5000	+003.5	+003.5	+003.5	+003.6	+003.8
33.1250	+003.8	+003.8	+003.9	+003.9	+004.0
33.7500	+004.0	+004.1	+004.3	+004.3	+004.3
34.3750	+004.4	+004.5	+004.5	+004.6	+004.6
35.0000	+004.7	+004.7	+004.7	+004.7	+004.8
35.6250	+004.8	+004.9	+004.9	+004.9	+005.0
36.2500	+005.0	+005.0	+005.0	+005.1	+005.1
36.8750	+005.1	+005.1	+005.1	+005.1	+005.1

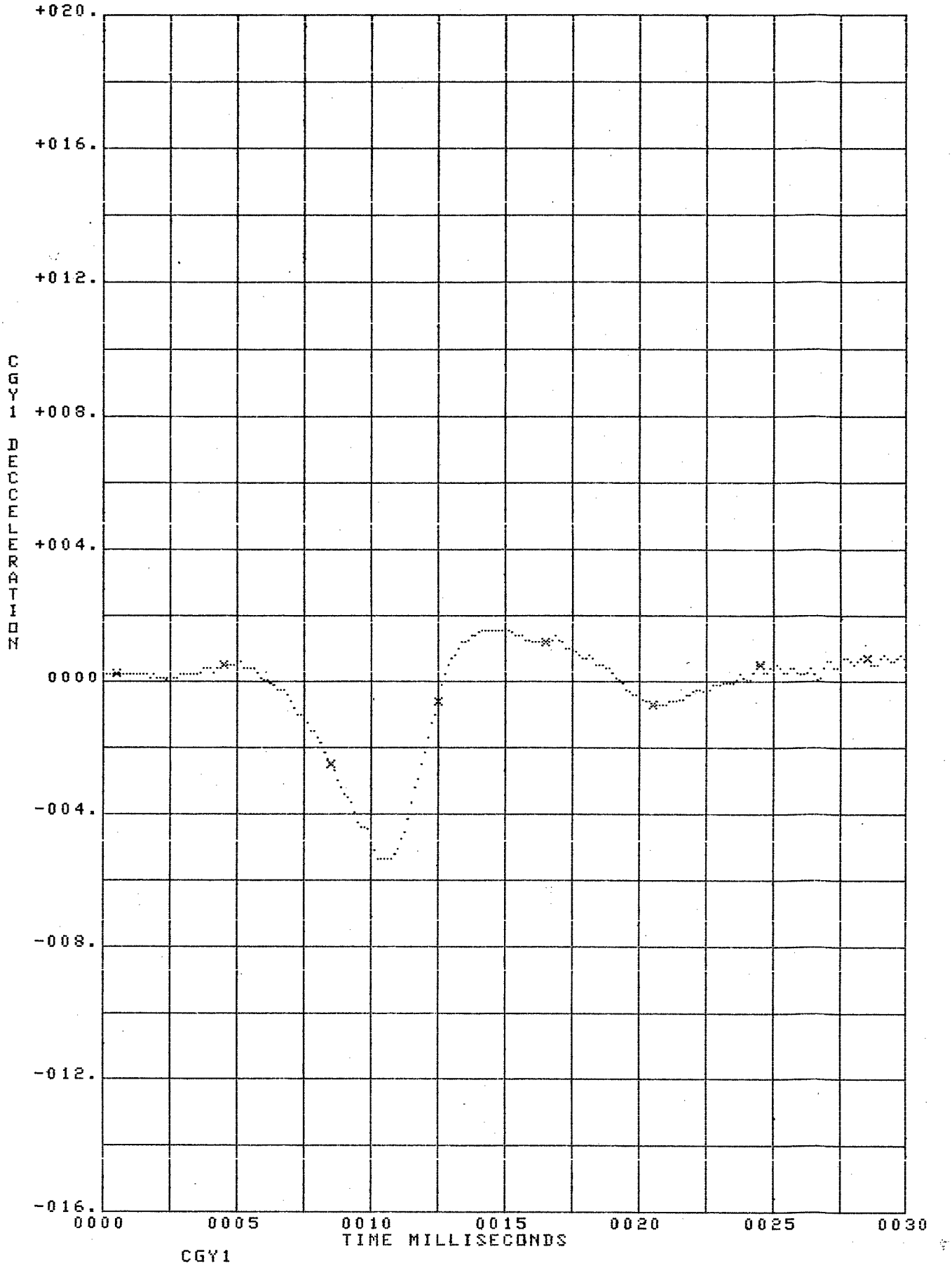
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C004		
37.5000	+005.1	+005.0	+005.0	+004.8	+004.6	+004.6
38.1250	+004.9	+004.9	+004.8	+004.6	+004.5	+004.4
38.7500	+004.6	+004.6	+004.5	+004.5	+004.4	+004.1
39.3750	+004.3	+004.3	+004.2	+004.1	+003.7	+003.6
40.0000	+003.9	+003.9	+003.8	+003.7	+003.2	+003.1
40.6250	+003.5	+003.4	+003.3	+003.2	+002.8	+002.7
41.2500	+003.0	+002.9	+002.8	+002.8	+002.4	+002.3
41.8750	+002.7	+002.5	+002.5	+002.4	+002.1	+002.0
42.5000	+002.2	+002.2	+002.2	+002.1	+001.8	+001.8
43.1250	+002.0	+002.0	+001.9	+001.8	+001.9	+001.9
43.7500	+001.8	+001.9	+001.9	+001.9	+001.8	+001.8
44.3750	+001.9	+001.8	+001.9	+001.8	+001.8	+001.8
45.0000	+001.9	+001.8	+001.8	+001.8	+001.8	+001.8
45.6250	+001.8	+001.7	+001.8	+001.8	+001.8	+002.0
46.2500	+001.8	+001.8	+001.8	+001.8	+002.0	+002.0
46.8750	+001.8	+001.9	+002.0	+002.0	+002.2	+002.2
47.5000	+002.1	+002.1	+002.2	+002.2	+002.4	+002.4
48.1250	+002.2	+002.2	+002.2	+002.4	+002.5	+002.5
48.7500	+002.4	+002.5	+002.5	+002.5	+002.6	+002.6
49.3750	+002.5	+002.5	+002.5	+002.6	+002.6	+002.6
50.0000	+002.6	+002.6	+002.6	+002.6	+002.6	+002.6
50.6250	+002.6	+002.6	+002.6	+002.6	+002.5	+002.5
51.2500	+002.6	+002.5	+002.5	+002.5	+002.5	+002.4
51.8750	+002.6	+002.5	+002.4	+002.4	+002.4	+002.5
52.5000	+002.5	+002.4	+002.4	+002.5	+002.5	+002.4
53.1250	+002.4	+002.4	+002.5	+002.5	+002.4	+002.5
53.7500	+002.5	+002.5	+002.5	+002.4	+002.4	+002.3
54.3750	+002.4	+002.4	+002.4	+002.4	+002.3	+002.2
55.0000	+002.4	+002.4	+002.3	+002.4	+002.3	+002.2
55.6250	+002.3	+002.3	+002.3	+002.3	+002.2	+002.2
56.2500	+002.2	+002.2	+002.2	+002.3	+002.2	+002.2
56.8750	+002.2	+002.2	+002.2	+002.2	+002.1	+002.1
57.5000	+002.2	+002.2	+002.2	+002.1	+002.0	+002.0
58.1250	+002.1	+002.1	+002.1	+002.0	+001.9	+001.9
58.7500	+002.0	+001.9	+001.9	+001.9	+001.8	+313.4
59.3750	+001.9	+001.8	+001.8	+001.8		

AMAX= +052.0 AT T=009.1

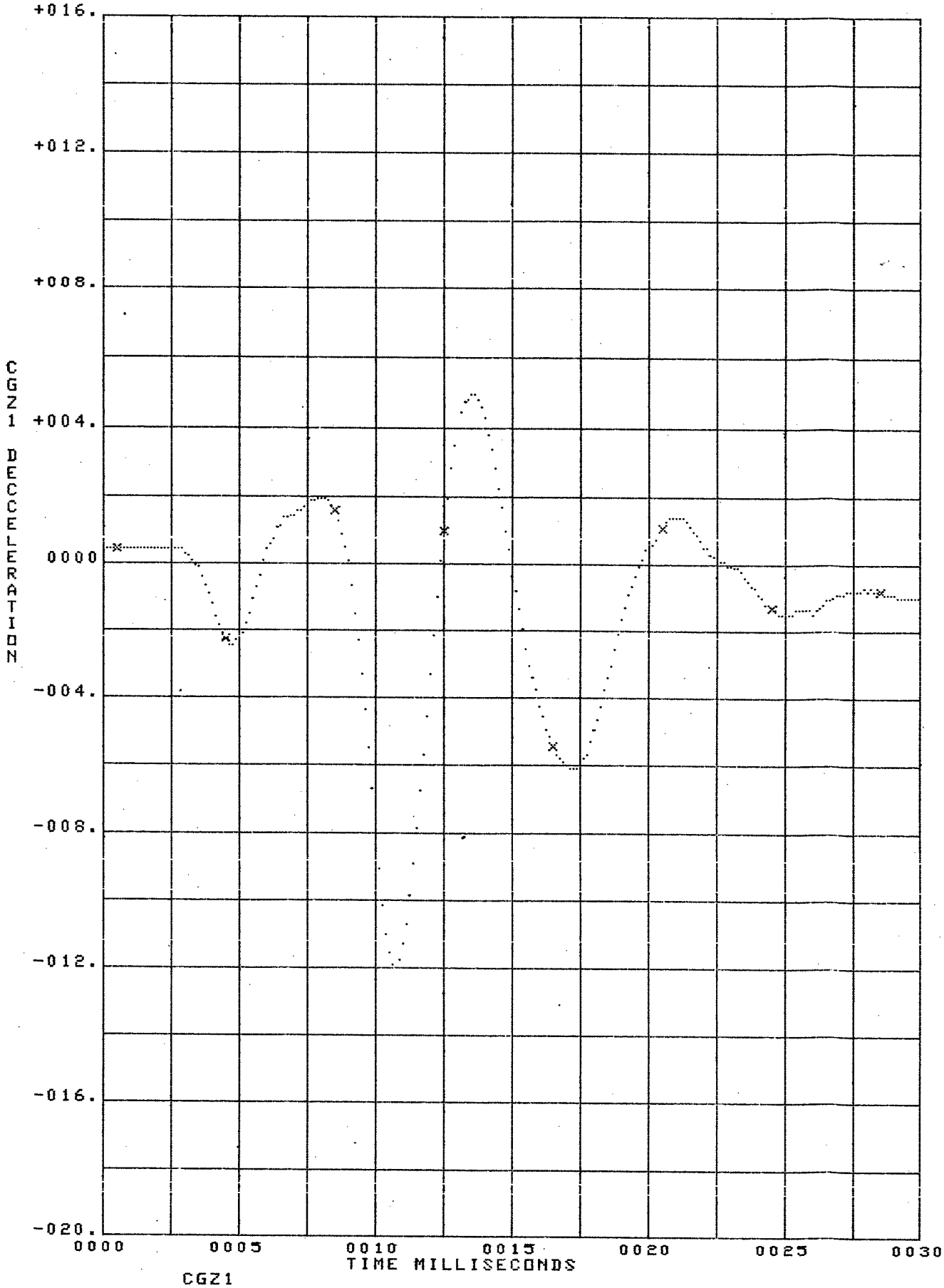
Chest Impact
Dummy No. 32, Run No. 9

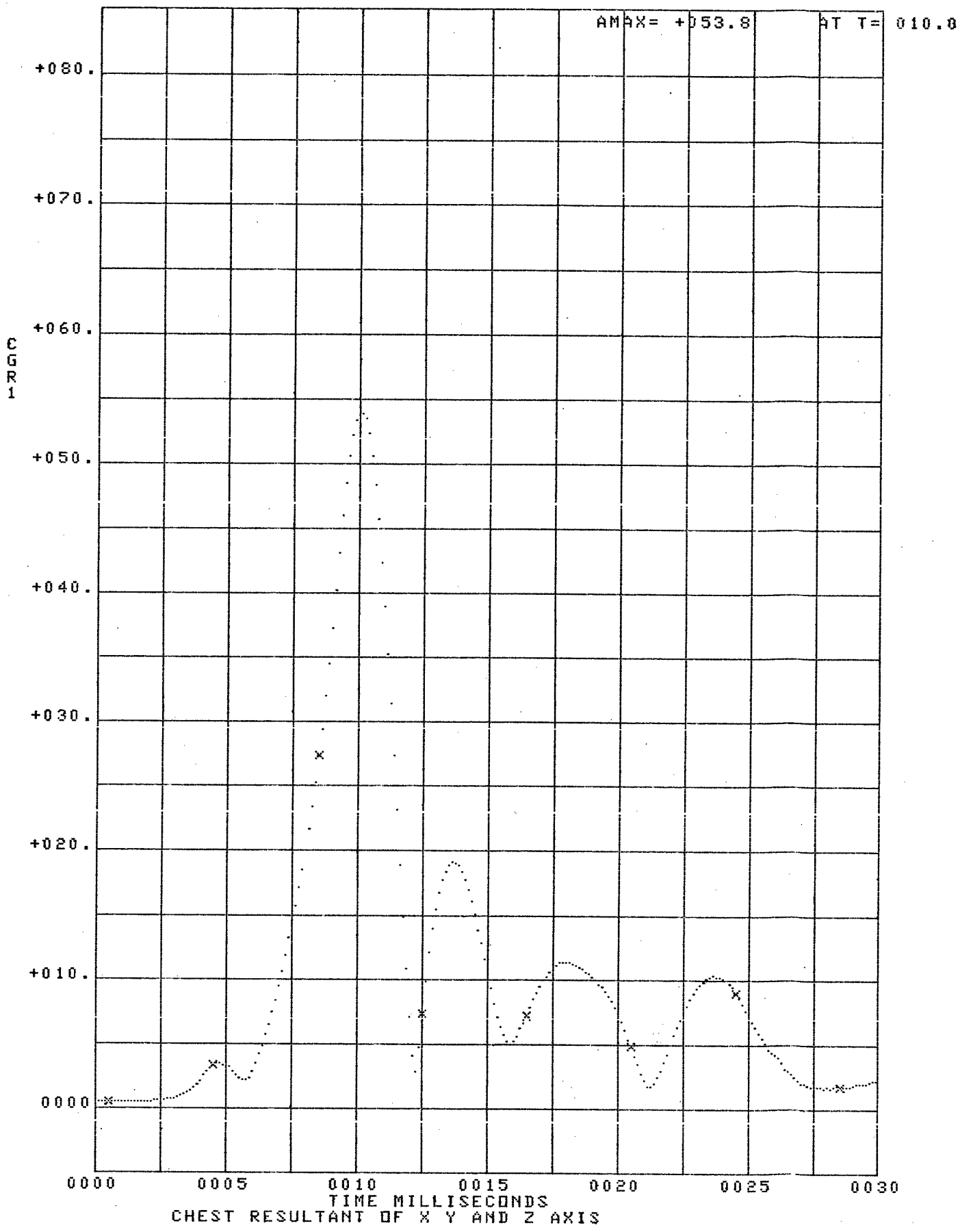


CHEST IMPACT
TEST C005



CHEST IMPACT
TEST C005



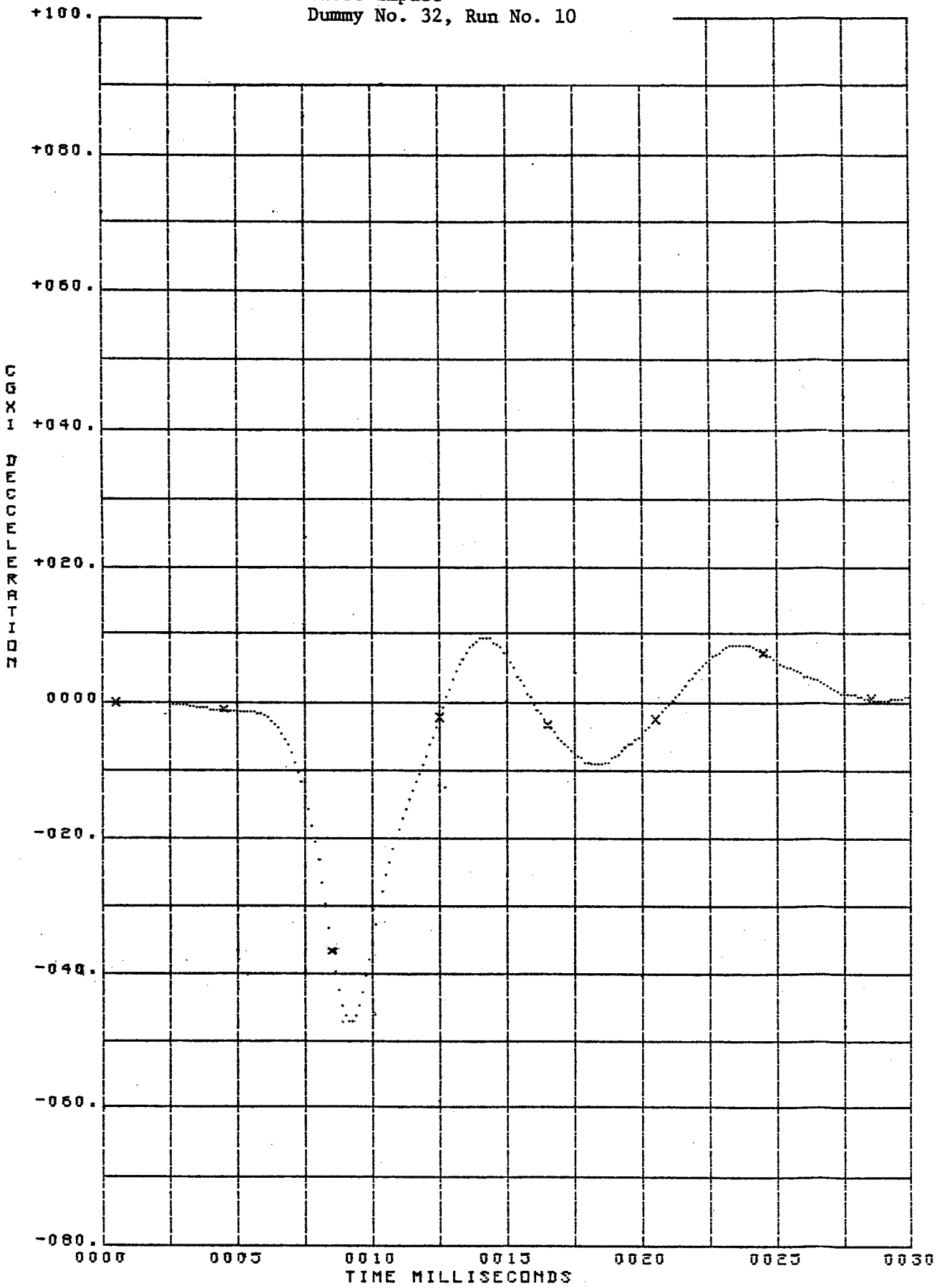

CHEST IMPACT
TEST C005
AMAX= +053.8
AT T= 010.0
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C005

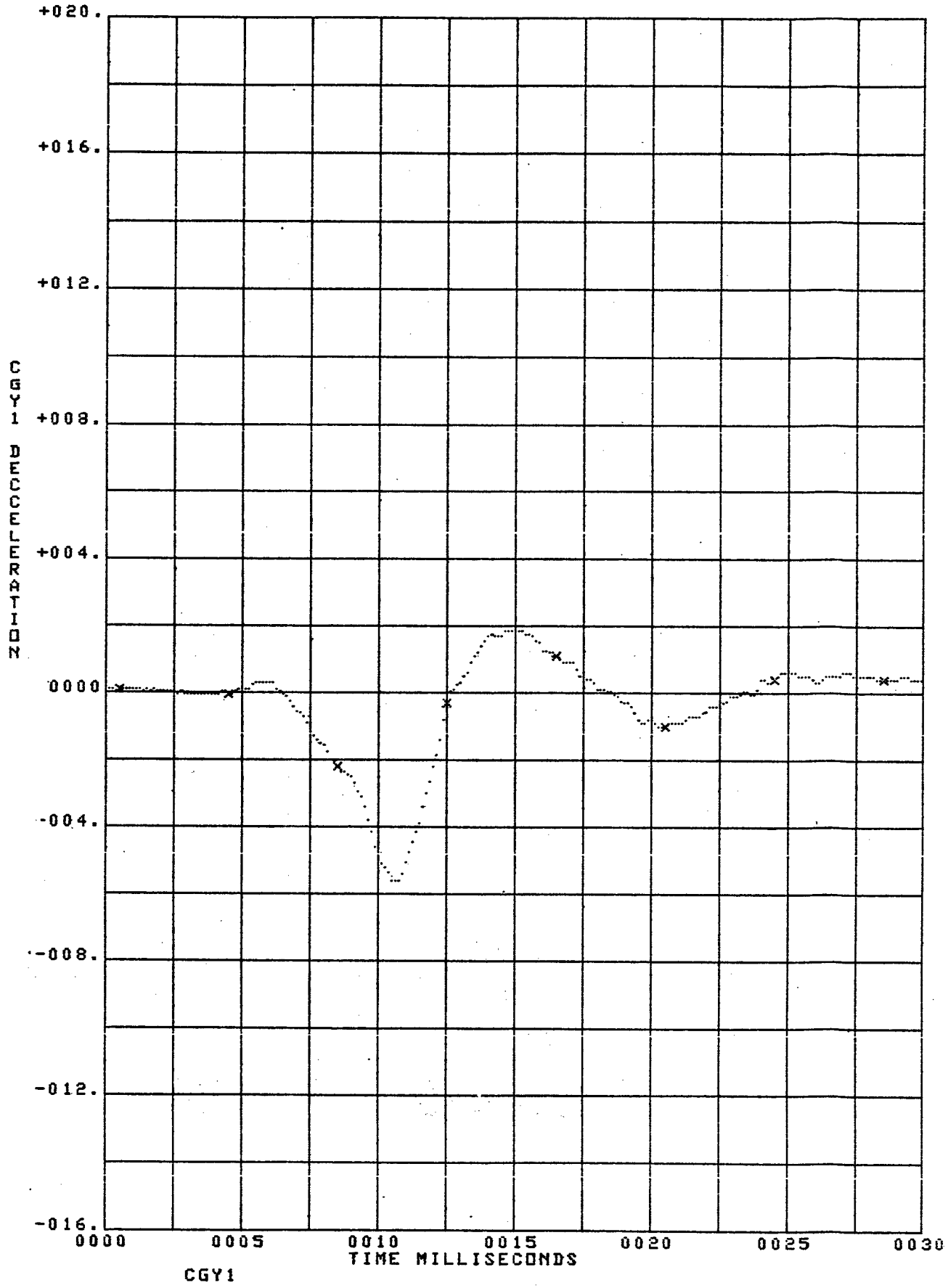
TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.0	+000.0	+000.1	+000.1	+000.1
2.5000	+000.1	+000.2	+000.3	+000.3	+000.4
3.1250	+000.5	+000.6	+000.7	+001.0	+001.2
3.7500	+001.4	+001.7	+002.1	+002.3	+002.6
4.3750	+002.8	+003.0	+003.0	+002.9	+002.8
5.0000	+002.7	+002.4	+002.1	+001.9	+001.8
5.6250	+001.7	+001.9	+002.4	+003.0	+003.7
6.2500	+004.4	+005.2	+006.0	+007.0	+007.9
6.8750	+009.0	+010.1	+011.3	+012.7	+014.0
7.5000	+015.2	+016.6	+018.0	+019.5	+021.1
8.1250	+022.9	+024.7	+026.8	+029.0	+031.6
8.7500	+034.1	+036.9	+040.0	+042.9	+045.8
9.3750	+048.4	+050.5	+052.2	+053.3	+053.8
10.0000	+053.8	+053.4	+052.3	+050.6	+048.3
10.6250	+045.5	+042.2	+038.7	+034.9	+031.0
11.2500	+026.8	+022.6	+018.4	+014.3	+010.4
11.8750	+006.7	+003.6	+002.3	+004.3	+006.9
12.5000	+009.3	+011.6	+013.4	+014.9	+016.2
13.1250	+017.2	+017.9	+018.4	+018.6	+018.5
13.7500	+018.3	+017.9	+017.2	+016.5	+015.6
14.3750	+014.5	+013.4	+012.3	+011.1	+010.0
15.0000	+008.8	+007.7	+006.6	+005.8	+005.2
15.6250	+004.7	+004.6	+004.8	+005.1	+005.7
16.2500	+006.1	+006.8	+007.4	+008.0	+008.5
16.8750	+009.0	+009.4	+009.8	+010.2	+010.4
17.5000	+010.6	+010.8	+010.8	+010.9	+010.8
18.1250	+010.8	+010.6	+010.5	+010.3	+010.2
18.7500	+010.0	+009.7	+009.5	+009.1	+009.0
19.3750	+008.6	+008.2	+007.8	+007.3	+006.8
20.0000	+006.2	+005.6	+004.9	+004.3	+003.6
20.6250	+003.0	+002.3	+001.8	+001.3	+001.2
21.2500	+001.5	+002.0	+002.5	+003.1	+003.8
21.8750	+004.5	+005.2	+005.9	+006.5	+006.9
22.5000	+007.5	+008.0	+008.5	+008.8	+009.1
23.1250	+009.4	+009.6	+009.8	+009.9	+009.8
23.7500	+009.7	+009.7	+009.5	+009.2	+008.9
24.3750	+008.5	+008.1	+007.6	+007.1	+006.6
25.0000	+006.2	+005.9	+005.4	+005.0	+004.6
25.6250	+004.2	+003.9	+003.7	+003.4	+003.2
26.2500	+002.7	+002.5	+002.2	+002.0	+001.7
26.8750	+001.6	+001.5	+001.4	+001.3	+001.3
27.5000	+001.3	+001.3	+001.1	+001.2	+001.1
28.1250	+001.3	+001.4	+001.3	+001.3	+001.3
28.7500	+001.3	+001.4	+001.5	+001.5	+001.5
29.3750	+001.6	+001.7	+001.7	+001.8	+001.8
30.0000	+001.8	+001.9	+002.0	+002.1	+002.1
30.6250	+002.3	+002.3	+002.5	+002.6	+002.6
31.2500	+002.7	+002.8	+002.9	+003.1	+003.1
31.8750	+003.2	+003.2	+003.3	+003.3	+003.3
32.5000	+003.5	+003.6	+003.5	+003.6	+003.6
33.1250	+003.7	+003.7	+003.8	+003.8	+003.9
33.7500	+003.9	+004.0	+004.1	+004.1	+004.1
34.3750	+004.3	+004.3	+004.3	+004.4	+004.4
35.0000	+004.4	+004.5	+004.5	+004.5	+004.6
35.6250	+004.6	+004.6	+004.7	+004.7	+004.7
36.2500	+004.6	+004.6	+004.6	+004.6	+004.6
36.8750	+004.6	+004.5	+004.5	+004.5	+004.5

RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C005		
37.5000	+004.4	+004.4	+004.3	+004.3	+004.3	
38.1250	+004.3	+004.3	+004.1	+004.1	+004.0	
38.7500	+003.9	+003.9	+003.9	+003.9	+003.8	
39.3750	+003.8	+003.8	+003.7	+003.8	+003.8	
40.0000	+003.8	+003.6	+003.6	+003.6	+003.5	
40.6250	+003.5	+003.5	+003.3	+003.3	+003.3	
41.2500	+003.3	+003.2	+003.0	+003.0	+002.8	
41.8750	+002.8	+002.8	+002.7	+002.5	+002.5	
42.5000	+002.4	+002.3	+002.3	+002.2	+002.2	
43.1250	+002.1	+002.0	+002.0	+001.9	+001.9	
43.7500	+001.9	+001.8	+001.8	+001.8	+001.7	
44.3750	+001.7	+001.7	+001.7	+001.7	+001.7	
45.0000	+001.8	+001.8	+001.8	+001.7	+001.8	
45.6250	+001.8	+001.8	+001.8	+001.8	+001.8	
46.2500	+001.8	+001.8	+001.8	+001.8	+001.8	
46.8750	+001.8	+001.9	+001.9	+001.9	+001.9	
47.5000	+001.8	+001.8	+002.0	+002.0	+002.1	
48.1250	+002.0	+002.0	+002.0	+002.0	+002.0	
48.7500	+002.1	+002.1	+002.2	+002.2	+002.2	
49.3750	+002.2	+002.3	+002.3	+002.4	+002.4	
50.0000	+002.4	+002.5	+002.5	+002.5	+002.5	
50.6250	+002.5	+002.5	+002.5	+002.4	+002.5	
51.2500	+002.4	+002.4	+002.3	+002.2	+002.3	
51.8750	+002.2	+002.2	+002.1	+002.1	+002.1	
52.5000	+002.1	+002.1	+002.1	+002.1	+002.1	
53.1250	+002.1	+002.1	+002.1	+002.1	+002.1	
53.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
54.3750	+002.1	+002.1	+002.0	+002.0	+002.0	
55.0000	+002.1	+002.1	+002.0	+002.1	+002.0	
55.6250	+001.9	+001.9	+001.9	+001.9	+001.9	
56.2500	+001.9	+001.8	+001.8	+001.8	+001.8	
56.8750	+001.8	+001.7	+001.8	+001.6	+001.6	
57.5000	+001.5	+001.5	+001.4	+001.4	+001.4	
58.1250	+001.4	+001.4	+001.4	+001.3	+001.4	
58.7500	+001.4	+001.4	+001.3	+001.3	+001.3	
59.3750	+001.3	+001.4	+001.4	+001.4	+313.4	

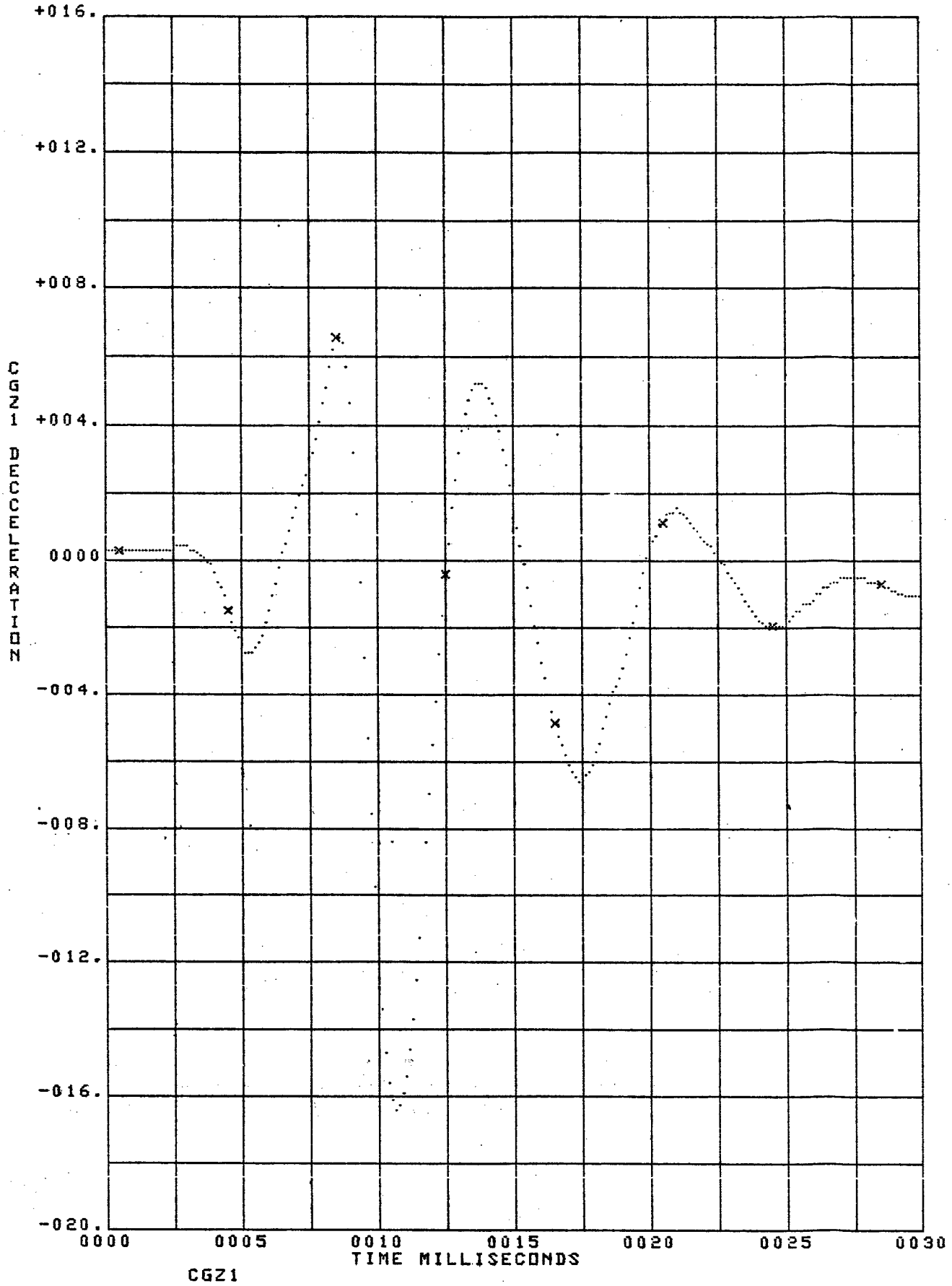
AMAX= +053.8 AT T=010.0

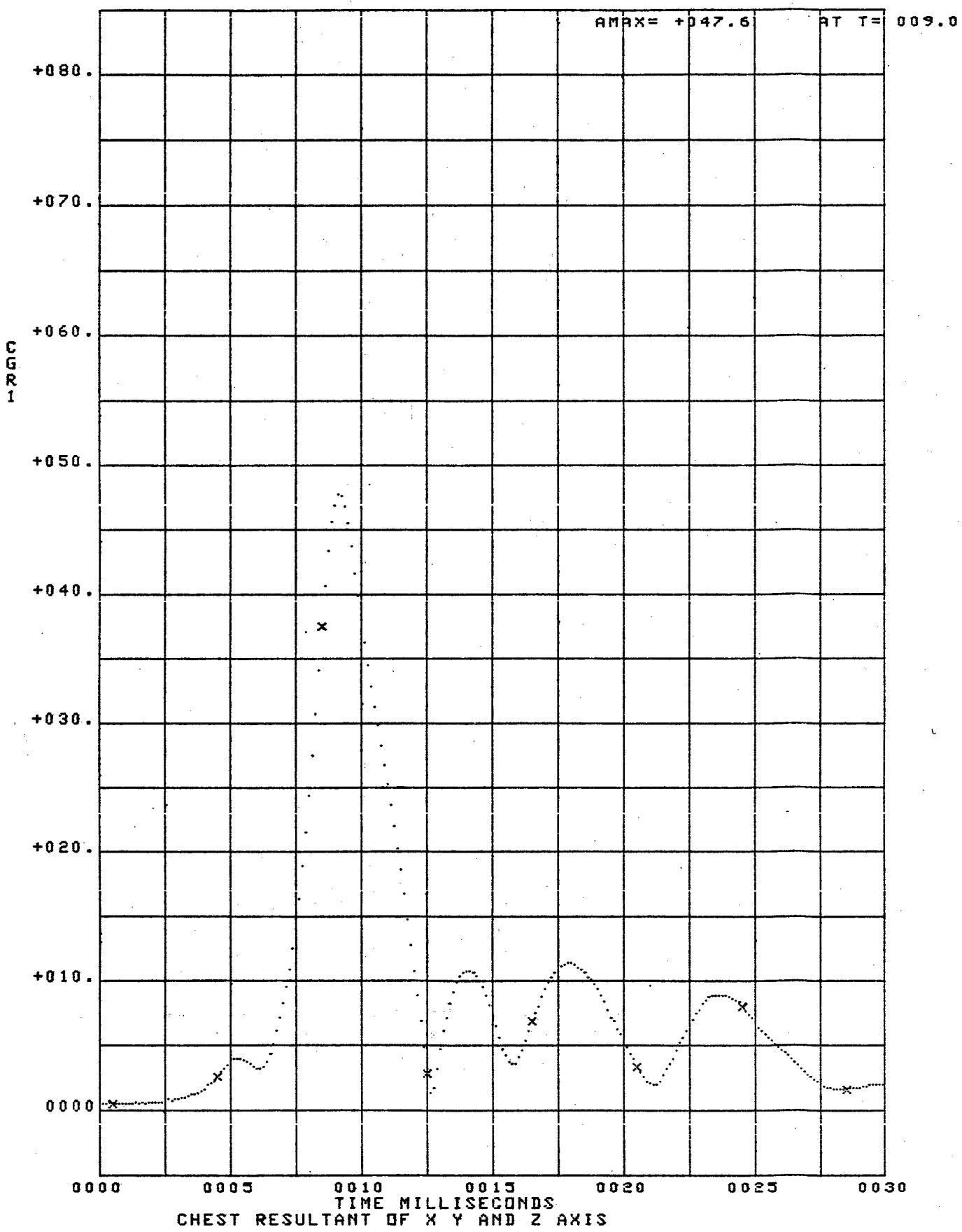

Chest Impact
Dummy No. 32, Run No. 10
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGXI DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

CHEST IMPACT
TEST C006



CHEST IMPACT
TEST C006




CHEST IMPACT
TEST C006
AMAX= +047.6
AT T= 009.0
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

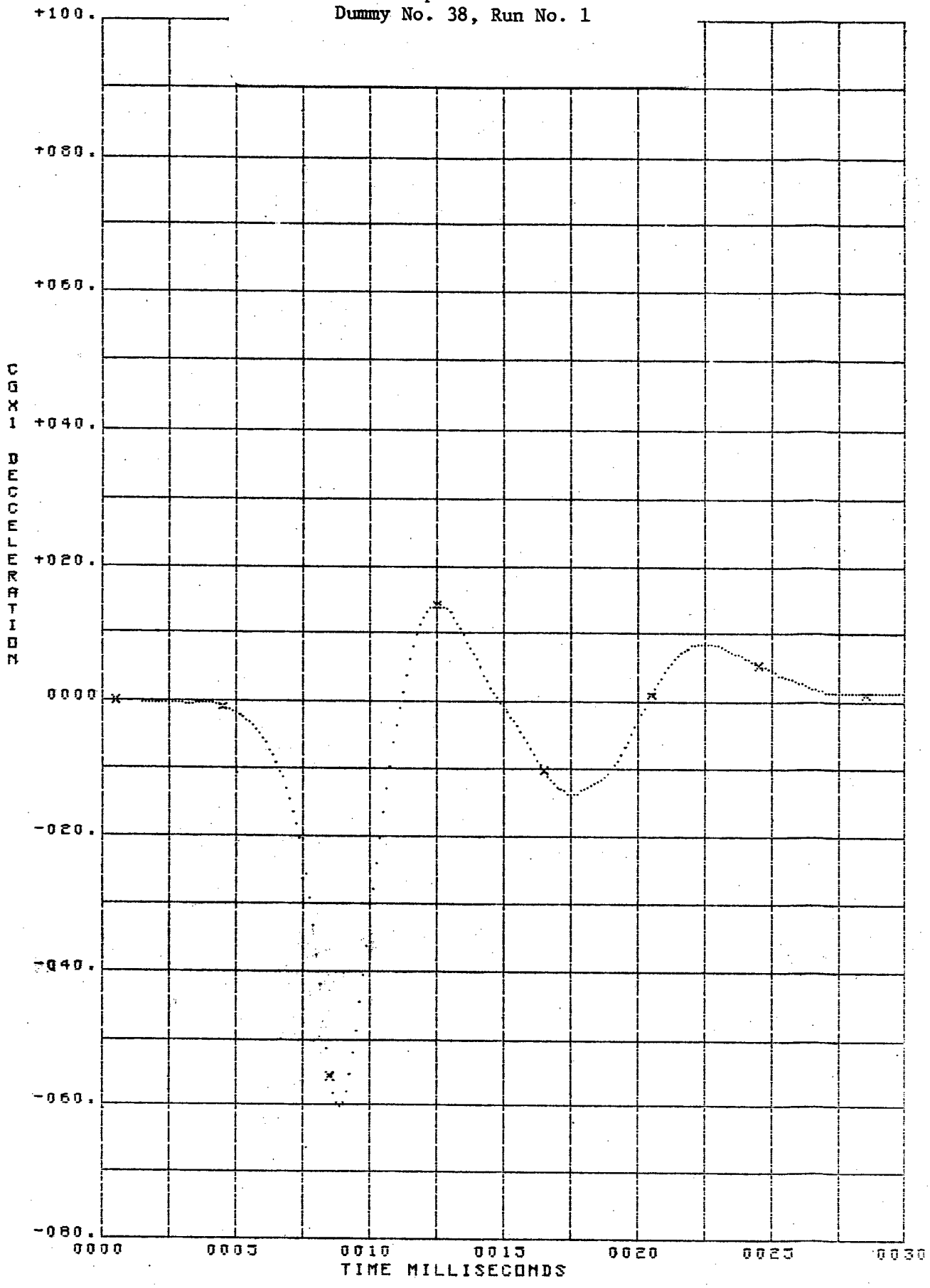
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C006

TIME					
0.0000	+000.0	+000.0	+000.1	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.1	+000.0	+000.1	+000.0	+000.1
1.8750	+000.1	+000.1	+000.2	+000.2	+000.3
2.5000	+000.3	+000.3	+000.4	+000.4	+000.5
3.1250	+000.5	+000.7	+000.8	+000.8	+000.9
3.7500	+001.0	+001.2	+001.5	+001.6	+001.8
4.3750	+002.1	+002.5	+002.8	+003.0	+003.2
5.0000	+003.5	+003.5	+003.5	+003.4	+003.2
5.6250	+003.2	+002.8	+002.8	+002.8	+002.9
6.2500	+003.3	+003.9	+004.6	+005.6	+006.6
6.8750	+007.7	+008.9	+010.3	+011.9	+013.9
7.5000	+015.9	+018.4	+020.9	+023.8	+027.0
8.1250	+030.3	+033.8	+037.2	+040.4	+043.1
8.7500	+045.4	+046.8	+047.6	+047.4	+046.6
9.3750	+045.3	+043.5	+041.4	+039.5	+037.6
10.0000	+035.8	+034.1	+032.5	+030.9	+029.4
10.6250	+027.8	+026.3	+024.8	+023.1	+021.5
11.2500	+019.8	+018.0	+016.2	+014.2	+012.2
11.8750	+010.2	+008.3	+006.4	+004.4	+002.4
12.5000	+000.9	+001.3	+002.8	+004.3	+005.6
13.1250	+006.7	+007.8	+008.6	+009.3	+009.8
13.7500	+010.1	+010.3	+010.3	+010.2	+009.9
14.3750	+009.5	+009.0	+008.4	+007.6	+006.8
15.0000	+006.0	+005.2	+004.3	+003.7	+003.2
15.6250	+003.1	+003.2	+003.6	+004.2	+004.9
16.2500	+005.6	+006.3	+007.0	+007.5	+008.2
16.8750	+008.8	+009.3	+009.7	+010.1	+010.4
17.5000	+010.6	+010.8	+010.9	+010.8	+010.8
18.1250	+010.5	+010.4	+010.1	+009.7	+009.7
18.7500	+009.2	+008.8	+008.4	+007.8	+007.2
19.3750	+006.6	+006.3	+005.8	+005.4	+004.8
20.0000	+004.3	+003.9	+003.4	+002.9	+002.5
20.6250	+002.1	+001.8	+001.6	+001.5	+001.5
21.2500	+001.8	+002.2	+002.7	+003.2	+003.6
21.8750	+004.2	+004.7	+005.1	+005.6	+006.1
22.5000	+006.6	+007.0	+007.2	+007.7	+008.0
23.1250	+008.3	+008.3	+008.3	+008.4	+008.4
23.7500	+008.4	+008.3	+008.2	+008.0	+007.8
24.3750	+007.5	+007.2	+006.9	+006.6	+006.3
25.0000	+005.9	+005.6	+005.3	+005.1	+004.9
25.6250	+004.6	+004.4	+004.2	+004.0	+003.8
26.2500	+003.5	+003.2	+003.0	+002.7	+002.5
26.8750	+002.3	+002.1	+001.9	+001.8	+001.6
27.5000	+001.4	+001.3	+001.2	+001.2	+001.2
28.1250	+001.1	+001.1	+001.1	+001.2	+001.2
28.7500	+001.3	+001.3	+001.4	+001.4	+001.5
29.3750	+001.5	+001.5	+001.5	+001.6	+001.6
30.0000	+001.7	+001.7	+001.7	+001.8	+001.9
30.6250	+002.0	+002.1	+002.2	+002.3	+002.3
31.2500	+002.5	+002.5	+002.6	+002.8	+002.8
31.8750	+003.0	+003.0	+003.2	+003.3	+003.2
32.5000	+003.3	+003.3	+003.4	+003.5	+003.5
33.1250	+003.6	+003.6	+003.6	+003.8	+003.8
33.7500	+003.8	+003.9	+004.0	+004.0	+004.1
34.3750	+004.1	+004.3	+004.3	+004.3	+004.4
35.0000	+004.4	+004.5	+004.5	+004.6	+004.6
35.6250	+004.6	+004.7	+004.7	+004.7	+004.7
36.2500	+004.7	+004.7	+004.7	+004.6	+004.6
36.8750	+004.6	+004.5	+004.5	+004.5	+004.4

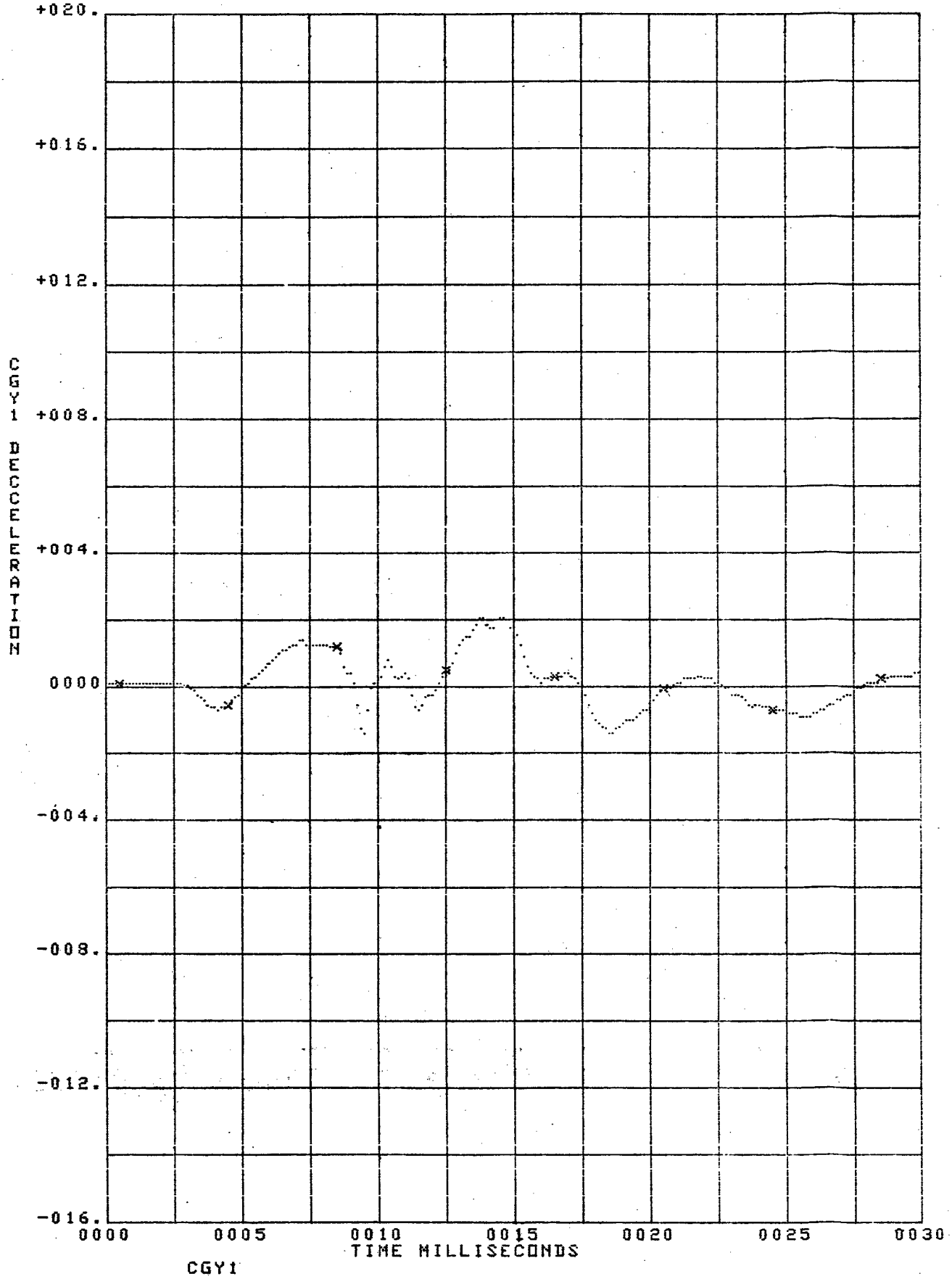
ESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C006		
37.5000	+004.4	+004.3	+004.3	+004.3	+004.3	
38.1250	+004.1	+004.1	+004.1	+004.0	+003.9	
38.7500	+003.9	+003.8	+003.9	+003.8	+003.7	
39.3750	+003.7	+003.8	+003.6	+003.6	+003.6	
40.0000	+003.6	+003.6	+003.6	+003.6	+003.5	
40.6250	+003.5	+003.5	+003.5	+003.5	+003.5	
41.2500	+003.5	+003.5	+003.3	+003.3	+003.3	
41.8750	+003.3	+003.3	+003.2	+003.0	+003.0	
42.5000	+003.0	+002.8	+002.8	+002.8	+002.7	
43.1250	+002.7	+002.5	+002.5	+002.5	+002.4	
43.7500	+002.3	+002.3	+002.2	+002.2	+002.2	
44.3750	+002.2	+002.1	+002.0	+002.0	+002.0	
45.0000	+002.0	+002.0	+002.0	+002.0	+001.9	
45.6250	+001.9	+001.9	+001.9	+001.9	+001.9	
46.2500	+001.9	+001.9	+002.0	+002.0	+002.0	
46.8750	+002.0	+002.0	+002.0	+002.0	+002.0	
47.5000	+002.0	+002.0	+002.0	+002.1	+002.2	
48.1250	+002.1	+002.2	+002.2	+002.2	+002.1	
48.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
49.3750	+002.1	+002.1	+002.1	+002.2	+002.2	
50.0000	+002.2	+002.4	+002.4	+002.4	+002.4	
50.6250	+002.4	+002.5	+002.5	+002.5	+002.5	
51.2500	+002.5	+002.5	+002.5	+002.5	+002.5	
51.8750	+002.5	+002.5	+002.4	+002.5	+002.4	
52.5000	+002.3	+002.3	+002.3	+002.3	+002.3	
53.1250	+002.3	+002.3	+002.2	+002.2	+002.2	
53.7500	+002.2	+002.2	+002.2	+002.2	+002.2	
54.3750	+002.2	+002.2	+002.2	+002.1	+002.1	
55.0000	+002.1	+002.1	+002.1	+002.1	+002.1	
55.6250	+002.1	+002.1	+002.1	+001.9	+001.9	
56.2500	+001.9	+001.9	+001.9	+001.9	+001.9	
56.8750	+001.9	+001.9	+001.8	+001.8	+001.8	
57.5000	+001.8	+001.8	+001.8	+001.8	+001.8	
58.1250	+001.9	+001.8	+001.8	+001.8	+001.8	
58.7500	+001.8	+001.8	+001.8	+001.8	+001.8	
59.3750	+001.8	+001.8	+001.8	+001.8	+313.4	

AMAX= +047.6 AT T=009.0

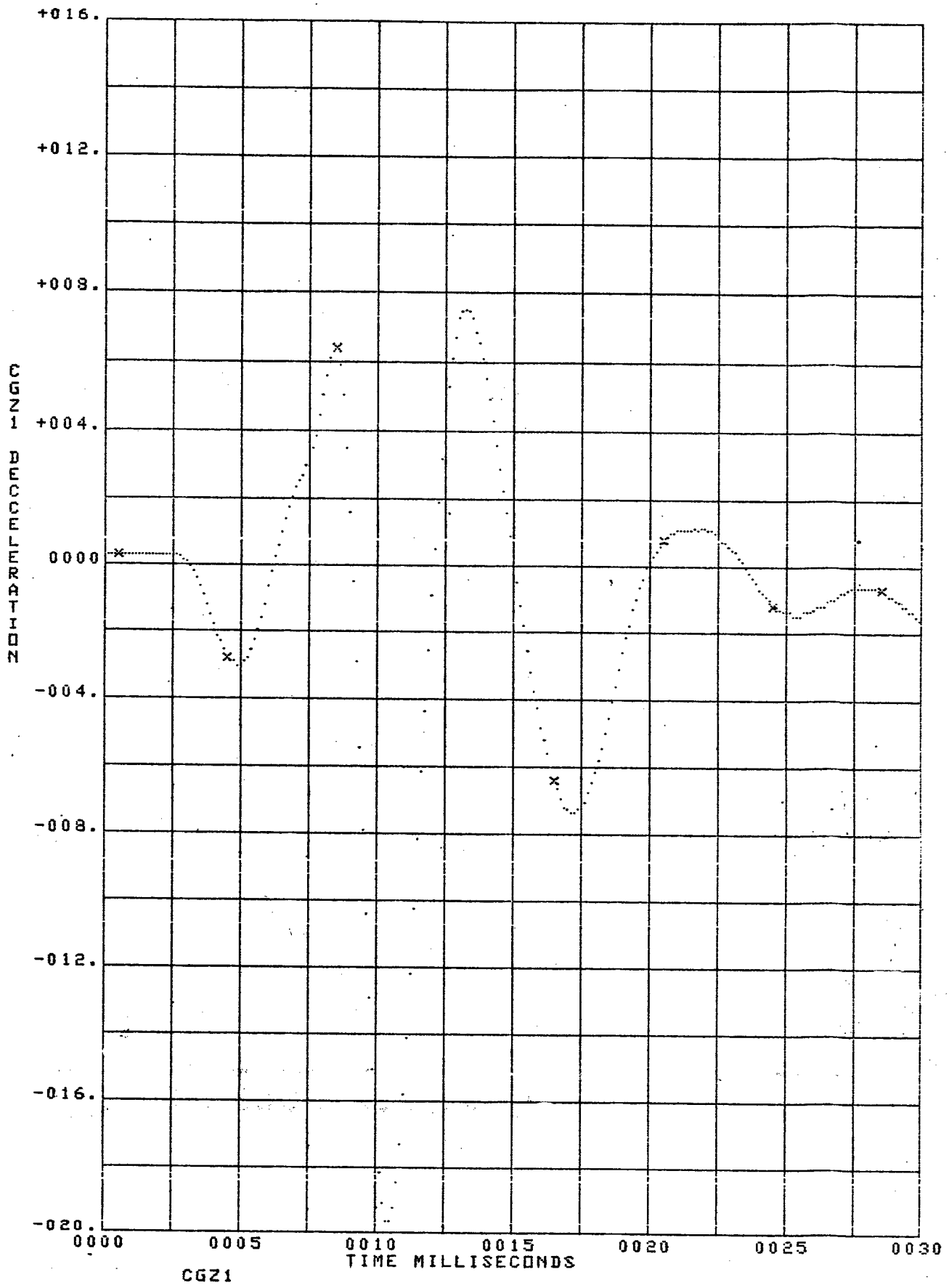
Chest Impact
Dummy No. 38, Run No. 1



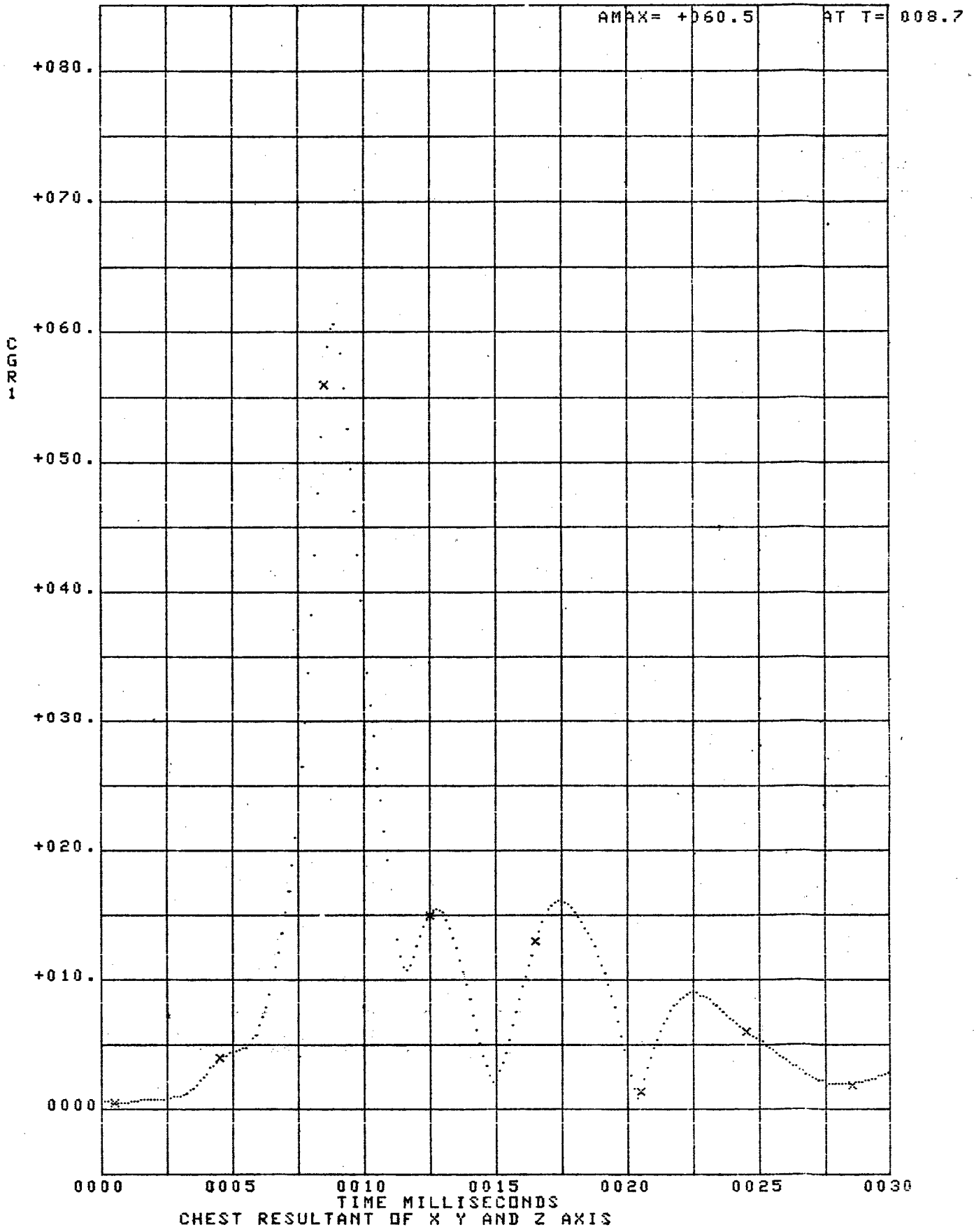
CHEST IMPACT
TEST C018



CHEST IMPACT
TEST C018



CHEST IMPACT
TEST C018

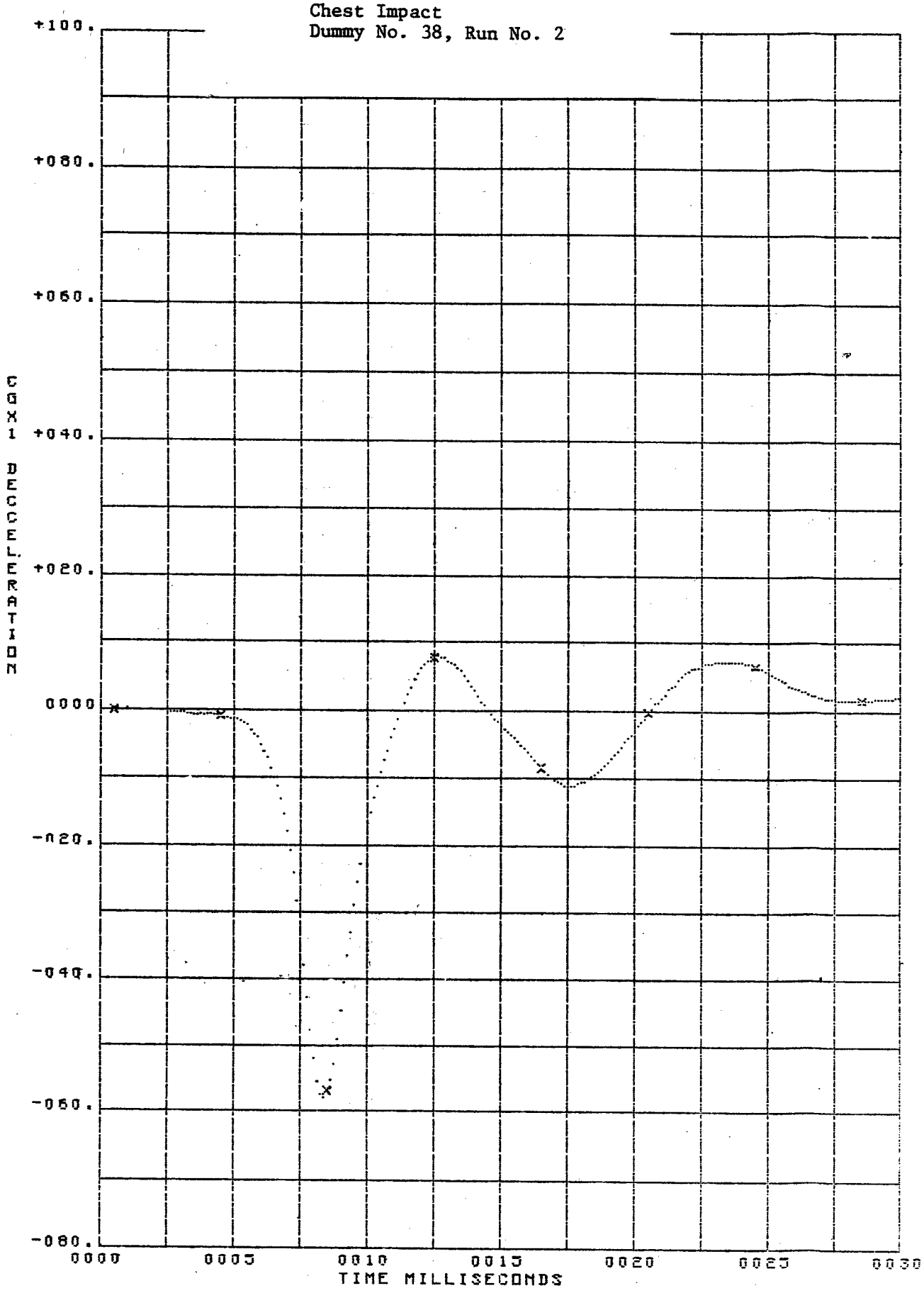


RESULTANT (CGR1) OF CGY1 CGX1 CGZ1 C018

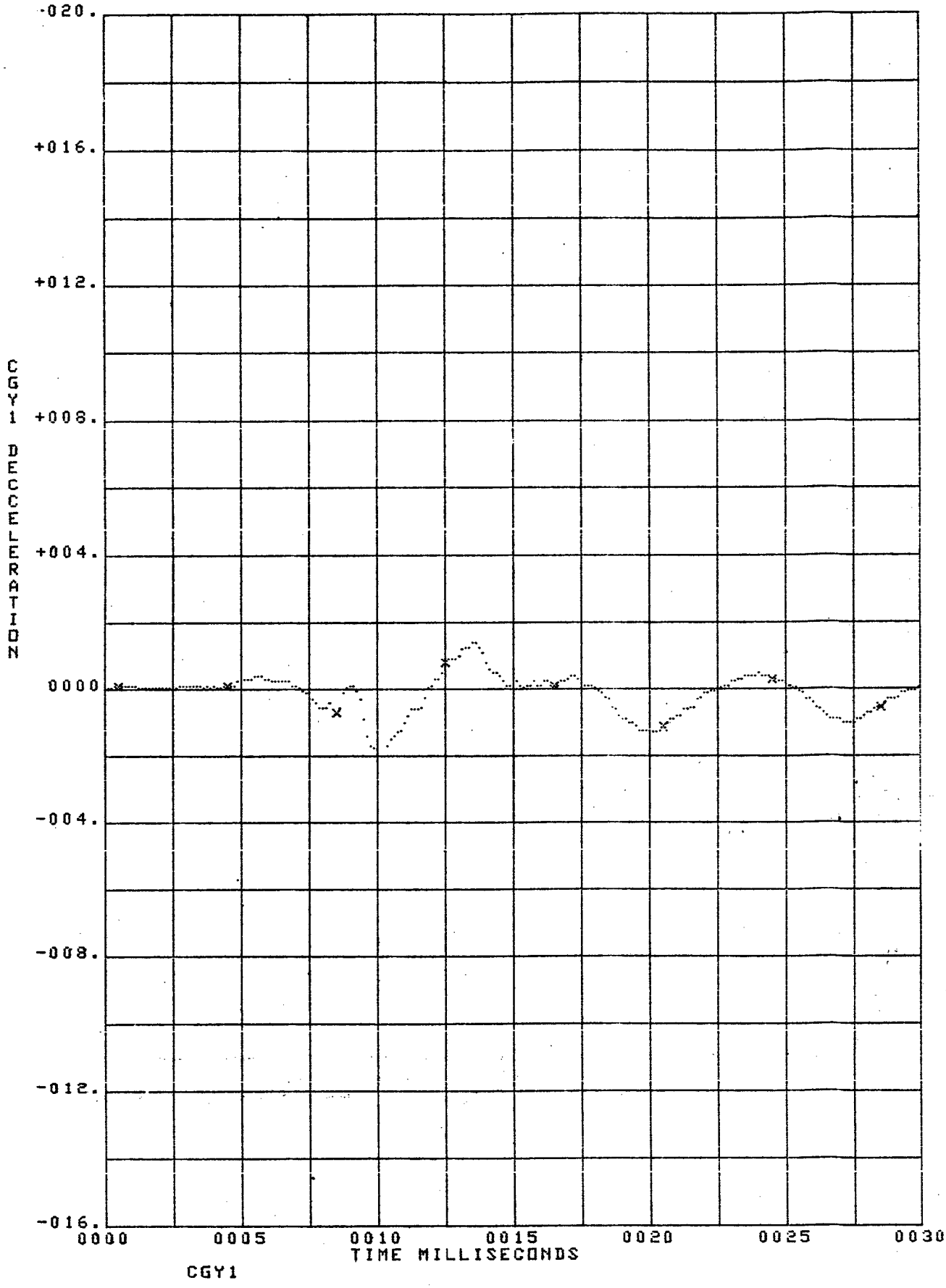
TIME					
0.0000	+000.1	+000.1	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.1	+000.1
1.2500	+000.1	+000.2	+000.2	+000.2	+000.2
1.8750	+000.2	+000.3	+000.3	+000.3	+000.4
2.5000	+000.4	+000.4	+000.5	+000.5	+000.7
3.1250	+000.8	+001.0	+001.2	+001.4	+001.8
3.7500	+002.0	+002.3	+002.7	+002.9	+003.1
4.3750	+003.4	+003.6	+003.7	+003.9	+004.0
5.0000	+004.1	+004.2	+004.2	+004.3	+004.6
5.6250	+005.0	+005.3	+005.9	+006.7	+007.4
6.2500	+008.3	+009.4	+010.5	+011.6	+013.1
6.8750	+014.7	+016.4	+018.3	+020.5	+023.0
7.5000	+025.9	+029.5	+033.3	+037.9	+042.6
8.1250	+047.5	+051.9	+055.9	+058.8	+060.1
8.7500	+060.5	+060.0	+058.4	+055.7	+052.6
9.3750	+049.4	+046.0	+042.6	+039.1	+036.1
10.0000	+033.3	+030.8	+028.3	+025.8	+023.3
10.6250	+020.9	+018.7	+016.5	+014.4	+012.6
11.2500	+011.3	+010.5	+010.3	+010.6	+011.3
11.8750	+012.1	+012.9	+013.6	+014.1	+014.5
12.5000	+014.8	+015.0	+014.8	+014.7	+014.1
13.1250	+013.5	+012.7	+011.9	+011.0	+010.1
13.7500	+009.1	+007.9	+006.8	+005.7	+004.7
14.3750	+003.7	+002.9	+002.1	+001.7	+001.8
15.0000	+002.5	+003.2	+003.9	+004.9	+006.0
15.6250	+007.0	+007.9	+009.0	+009.7	+010.7
16.2500	+011.5	+012.4	+013.2	+014.0	+014.5
16.8750	+015.0	+015.2	+015.5	+015.6	+015.6
17.5000	+015.5	+015.3	+015.0	+014.7	+014.3
18.1250	+013.9	+013.5	+013.1	+012.6	+012.1
18.7500	+011.4	+010.6	+010.0	+009.1	+008.2
19.3750	+007.3	+006.3	+005.2	+004.2	+003.2
20.0000	+002.1	+001.1	+000.3	+000.9	+001.9
20.6250	+002.7	+003.5	+004.3	+004.9	+005.5
21.2500	+006.1	+006.6	+007.1	+007.5	+007.7
21.8750	+008.0	+008.2	+008.3	+008.5	+008.5
22.5000	+008.5	+008.3	+008.2	+008.2	+008.0
23.1250	+007.7	+007.5	+007.2	+007.0	+006.8
23.7500	+006.6	+006.4	+006.1	+005.9	+005.7
24.3750	+005.5	+005.3	+005.2	+005.0	+004.8
25.0000	+004.7	+004.4	+004.3	+004.1	+003.9
25.6250	+003.6	+003.5	+003.3	+003.1	+002.9
26.2500	+002.8	+002.6	+002.5	+002.3	+002.1
26.8750	+002.0	+001.9	+001.7	+001.7	+001.6
27.5000	+001.5	+001.5	+001.5	+001.5	+001.5
28.1250	+001.5	+001.5	+001.4	+001.6	+001.6
28.7500	+001.7	+001.8	+001.8	+001.9	+001.9
29.3750	+002.1	+002.1	+002.3	+002.4	+002.5
30.0000	+002.5	+002.5	+002.6	+002.7	+002.7
30.6250	+002.7	+002.8	+002.8	+002.8	+002.9
31.2500	+003.0	+003.0	+003.0	+002.9	+003.0
31.8750	+003.0	+003.1	+003.0	+003.1	+003.1
32.5000	+003.1	+003.2	+003.3	+003.4	+003.4
33.1250	+003.5	+003.5	+003.6	+003.7	+003.8
33.7500	+003.8	+004.0	+004.1	+004.3	+004.3
34.3750	+004.4	+004.4	+004.5	+004.5	+004.6
35.0000	+004.6	+004.6	+004.7	+004.7	+004.7
35.6250	+004.6	+004.6	+004.6	+004.5	+004.5
36.2500	+004.4	+004.4	+004.4	+004.2	+004.1
36.8750	+004.0	+003.9	+003.9	+003.7	+003.7

RESULTANT (CGR1) OF	CGY1	CGX1	CGZ1	C018		
37.5000	+003.5	+003.5	+003.3	+003.3	+003.2	
38.1250	+003.0	+003.0	+003.0	+002.8	+002.8	
38.7500	+002.8	+002.7	+002.6	+002.5	+002.5	
39.3750	+002.5	+002.5	+002.3	+002.3	+002.3	
40.0000	+002.3	+002.3	+002.3	+002.3	+002.1	
40.6250	+002.2	+002.2	+002.2	+002.1	+002.1	
41.2500	+002.1	+002.0	+002.0	+002.0	+002.1	
41.8750	+002.0	+002.0	+002.0	+002.0	+002.1	
42.5000	+002.1	+002.1	+002.1	+002.1	+002.1	
43.1250	+002.1	+002.2	+002.2	+002.3	+002.3	
43.7500	+002.4	+002.4	+002.4	+002.4	+002.5	
44.3750	+002.5	+002.5	+002.5	+002.5	+002.6	
45.0000	+002.5	+002.5	+002.6	+002.6	+002.6	
45.6250	+002.6	+002.6	+002.7	+002.7	+002.6	
46.2500	+002.7	+002.7	+002.7	+002.7	+002.7	
46.8750	+002.7	+002.7	+002.6	+002.6	+002.8	
47.5000	+002.7	+002.8	+002.7	+002.7	+002.7	
48.1250	+002.7	+002.7	+002.6	+002.7	+002.6	
48.7500	+002.6	+002.6	+002.6	+002.6	+002.5	
49.3750	+002.5	+002.5	+002.5	+002.4	+002.4	
50.0000	+002.5	+002.5	+002.4	+002.4	+002.4	
50.6250	+002.3	+002.3	+002.3	+002.2	+002.2	
51.2500	+002.2	+002.2	+002.1	+002.1	+002.1	
51.8750	+002.1	+002.0	+002.0	+002.0	+001.9	
52.5000	+001.9	+001.8	+001.8	+001.8	+001.8	
53.1250	+001.8	+001.7	+001.7	+001.6	+001.6	
53.7500	+001.6	+001.6	+001.6	+001.6	+001.6	
54.3750	+001.6	+001.6	+001.5	+001.5	+001.7	
55.0000	+001.5	+001.7	+001.5	+001.5	+001.7	
55.6250	+001.6	+001.6	+001.7	+001.6	+001.7	
56.2500	+001.6	+001.7	+001.5	+001.7	+001.7	
56.8750	+001.7	+001.6	+001.7	+001.7	+001.8	
57.5000	+001.8	+001.8	+001.8	+001.7	+001.8	
58.1250	+001.7	+001.7	+001.7	+001.8	+001.7	
58.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
59.3750	+001.8	+001.7	+001.7	+001.8	+313.4	

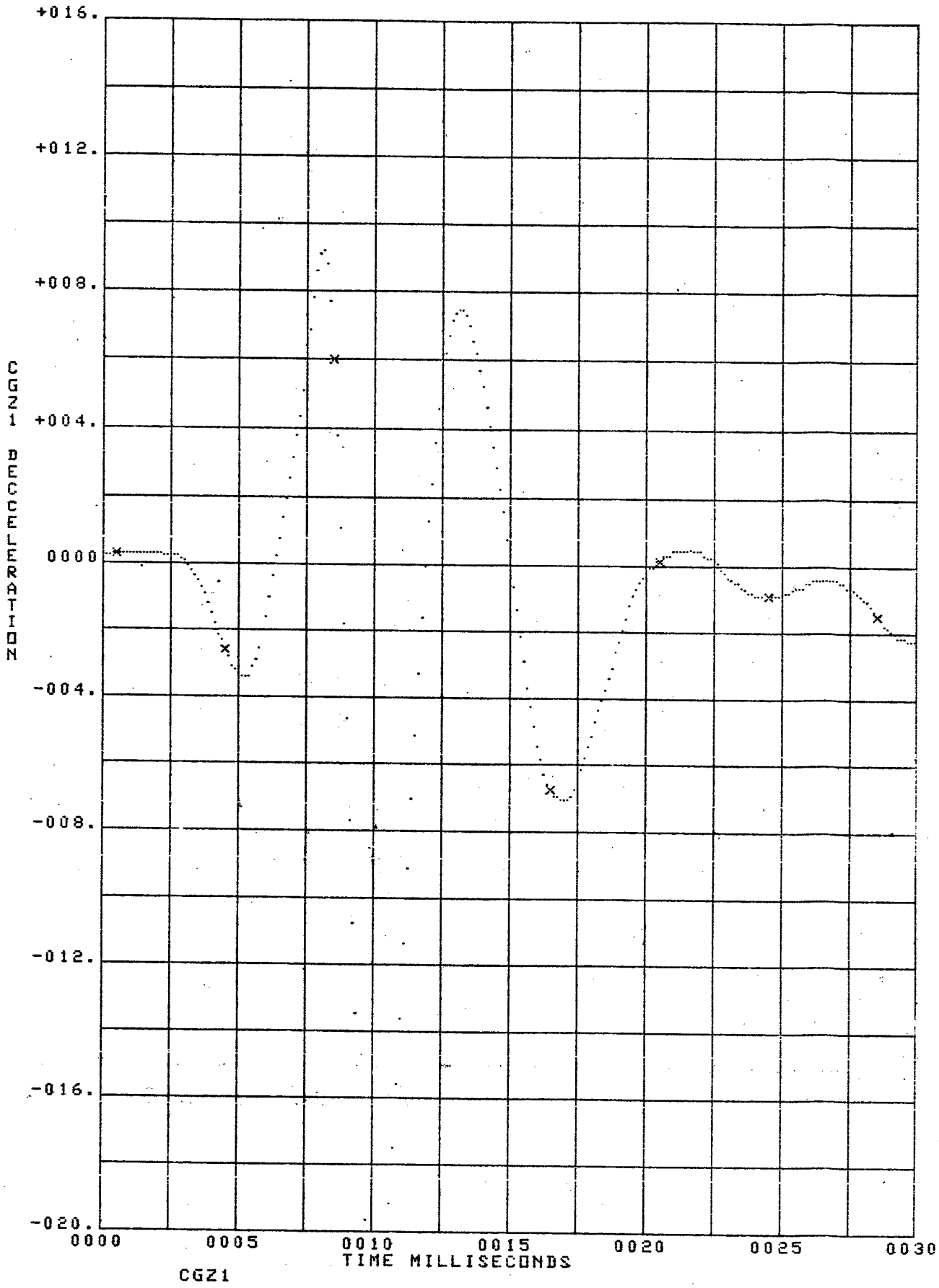
AMAX= +060.5 AT T=008.7


Chest Impact
Dummy No. 38, Run No. 2
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

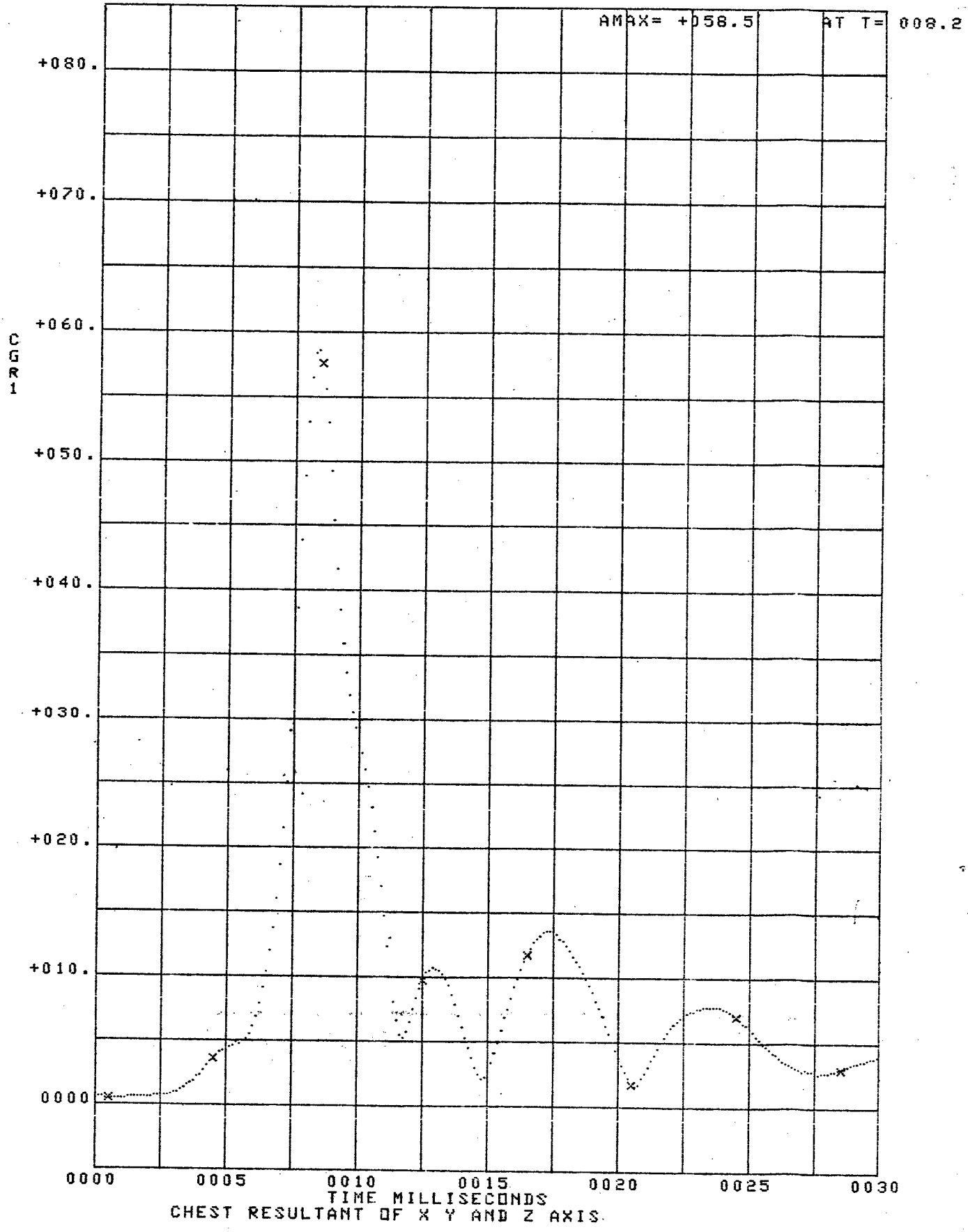
CHEST IMPACT
TEST C016



CHEST IMPACT
TEST C016



CHEST IMPACT
TEST C016

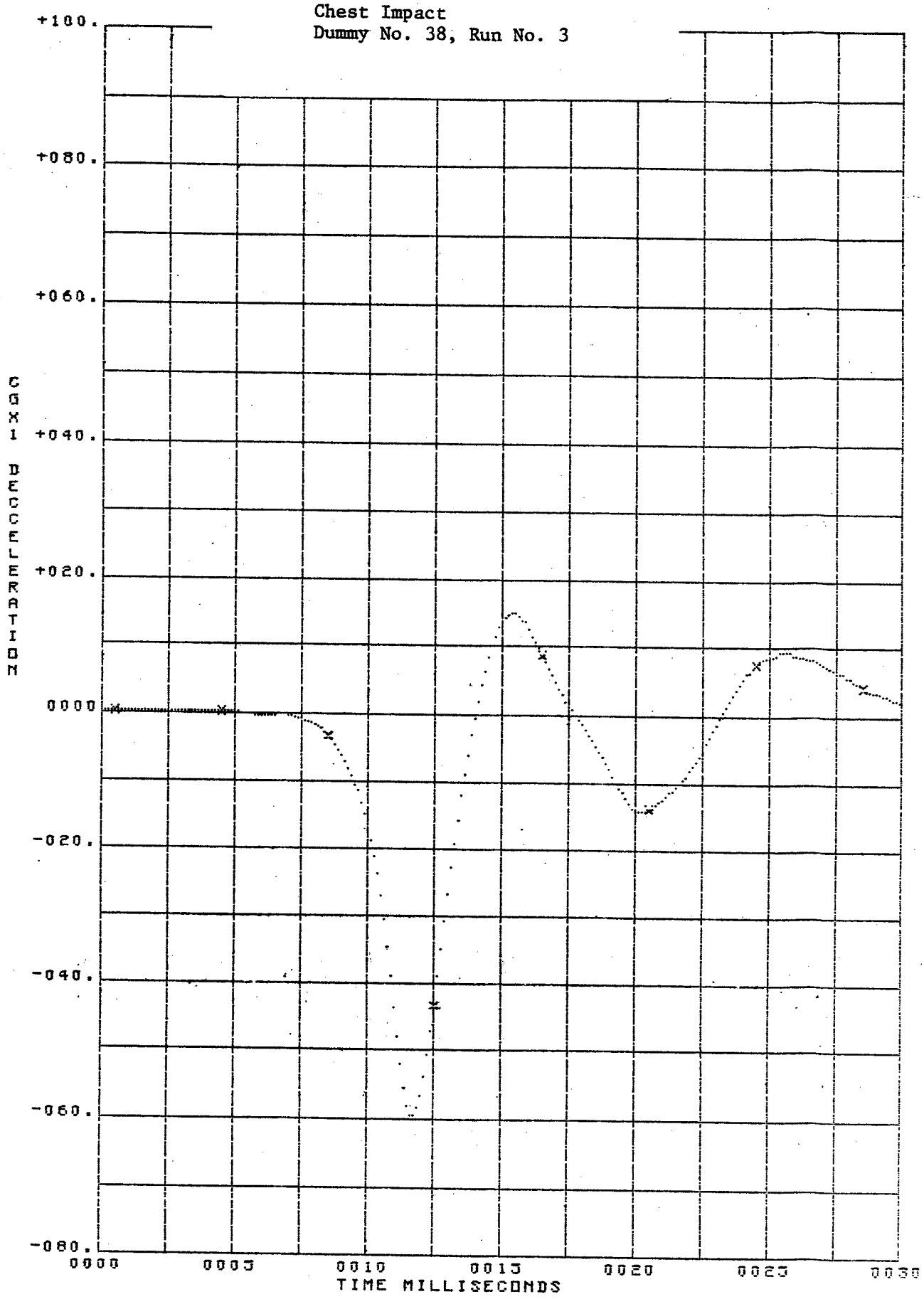


RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C016

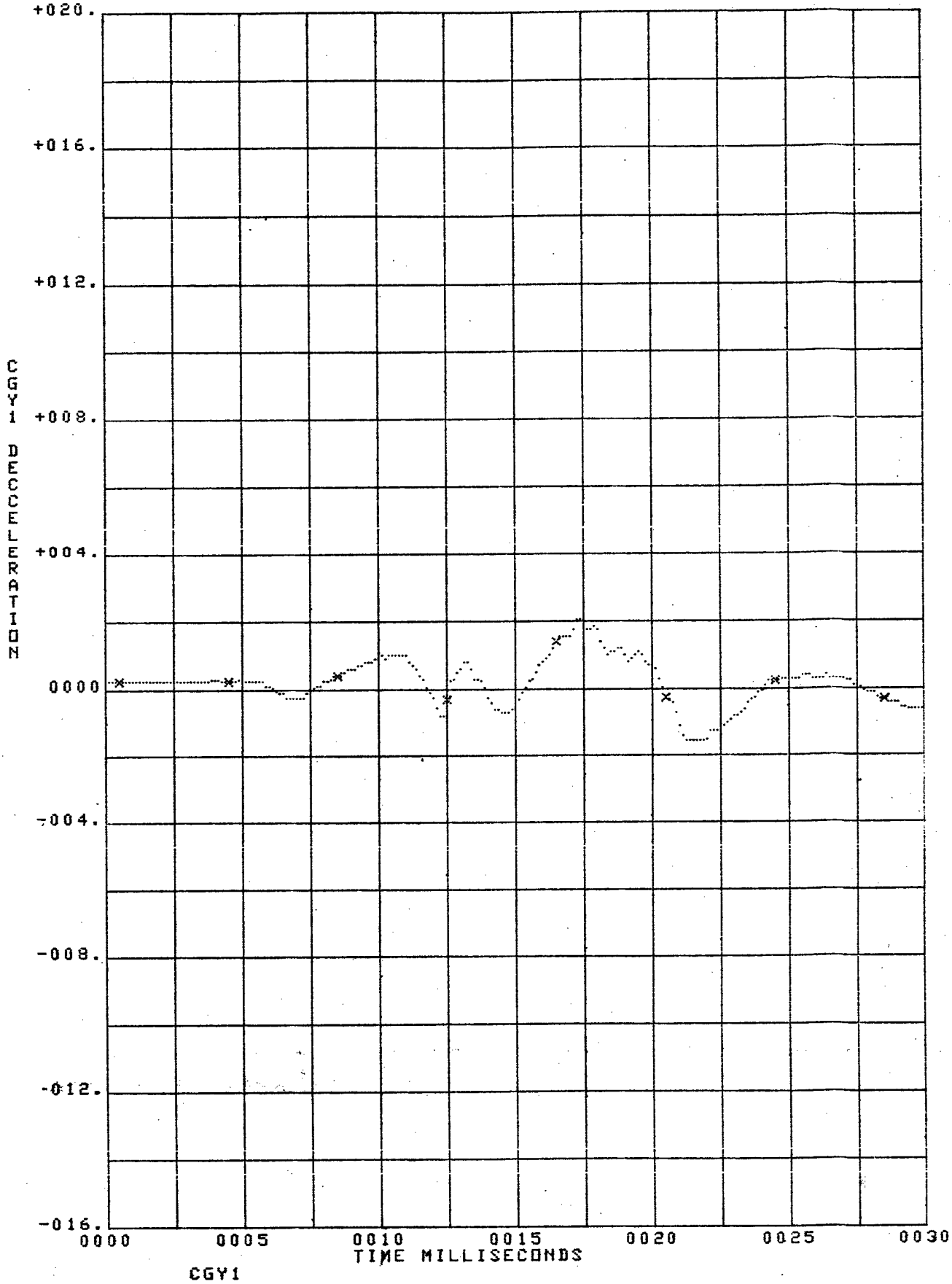
TIME					
0.0000	+000.2	+000.2	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.1
1.2500	+000.1	+000.2	+000.2	+000.2	+000.2
1.8750	+000.2	+000.2	+000.2	+000.2	+000.3
2.5000	+000.3	+000.3	+000.4	+000.5	+000.6
3.1250	+000.7	+001.0	+001.2	+001.3	+001.4
3.7500	+001.7	+001.9	+002.2	+002.6	+002.8
4.3750	+003.1	+003.3	+003.7	+003.8	+003.9
5.0000	+004.1	+004.2	+004.3	+004.3	+004.5
5.6250	+004.6	+005.0	+005.7	+006.4	+007.3
6.2500	+008.6	+009.9	+011.4	+013.3	+015.5
6.8750	+018.0	+021.0	+024.5	+028.6	+033.3
7.5000	+038.3	+043.6	+048.7	+053.0	+056.5
8.1250	+059.4	+058.5	+057.6	+055.6	+052.9
8.7500	+049.1	+045.1	+041.4	+038.2	+035.5
9.3750	+033.2	+031.4	+030.1	+028.9	+027.8
10.0000	+026.8	+025.6	+024.1	+022.6	+020.7
10.6250	+018.7	+016.5	+014.3	+011.9	+009.6
11.2500	+007.6	+006.1	+005.0	+004.7	+005.2
11.8750	+006.0	+007.0	+007.9	+008.6	+009.2
12.5000	+009.8	+010.0	+010.3	+010.1	+010.0
13.1250	+009.8	+009.4	+008.9	+008.1	+007.3
13.7500	+006.5	+005.7	+004.8	+004.0	+003.2
14.3750	+002.5	+002.0	+001.7	+001.8	+002.2
15.0000	+002.9	+003.6	+004.4	+005.4	+006.3
15.6250	+007.1	+007.9	+008.7	+009.4	+010.1
16.2500	+010.7	+011.2	+011.8	+012.2	+012.5
16.8750	+012.7	+013.0	+013.1	+013.1	+013.1
17.5000	+012.9	+012.6	+012.3	+012.0	+011.6
18.1250	+011.1	+010.7	+010.3	+009.8	+009.3
18.7500	+008.9	+008.3	+007.8	+007.1	+006.4
19.3750	+005.7	+005.1	+004.5	+003.9	+003.3
20.0000	+002.7	+002.3	+001.7	+001.3	+001.2
20.6250	+001.3	+001.7	+002.2	+002.6	+003.1
21.2500	+003.6	+004.0	+004.5	+004.9	+005.3
21.8750	+005.6	+005.9	+006.1	+006.4	+006.5
22.5000	+006.8	+006.8	+006.9	+007.2	+007.2
23.1250	+007.2	+007.2	+007.2	+007.3	+007.3
23.7500	+007.3	+007.2	+007.0	+006.8	+006.6
24.3750	+006.5	+006.2	+006.0	+005.8	+005.5
25.0000	+005.3	+005.0	+004.7	+004.4	+004.2
25.6250	+004.0	+003.7	+003.6	+003.3	+003.2
26.2500	+003.0	+002.9	+002.8	+002.6	+002.5
26.8750	+002.4	+002.5	+002.4	+002.4	+002.2
27.5000	+002.2	+002.2	+002.2	+002.3	+002.3
28.1250	+002.3	+002.5	+002.5	+002.6	+002.8
28.7500	+002.8	+003.0	+003.0	+003.2	+003.2
29.3750	+003.2	+003.3	+003.4	+003.4	+003.4
30.0000	+003.5	+003.5	+003.6	+003.6	+003.5
30.6250	+003.6	+003.5	+003.7	+003.6	+003.7
31.2500	+003.7	+003.7	+003.9	+003.8	+003.9
31.8750	+004.0	+004.0	+004.1	+004.3	+004.4
32.5000	+004.5	+004.5	+004.6	+004.7	+004.8
33.1250	+004.9	+005.0	+005.0	+005.1	+005.2
33.7500	+005.2	+005.3	+005.4	+005.4	+005.4
34.3750	+005.4	+005.5	+005.4	+005.4	+005.4
35.0000	+005.4	+005.3	+005.2	+005.2	+005.1
35.6250	+005.0	+004.9	+004.8	+004.7	+004.6
36.2500	+004.4	+004.4	+004.2	+004.1	+004.0
36.8750	+003.9	+003.7	+003.6	+003.5	+003.3

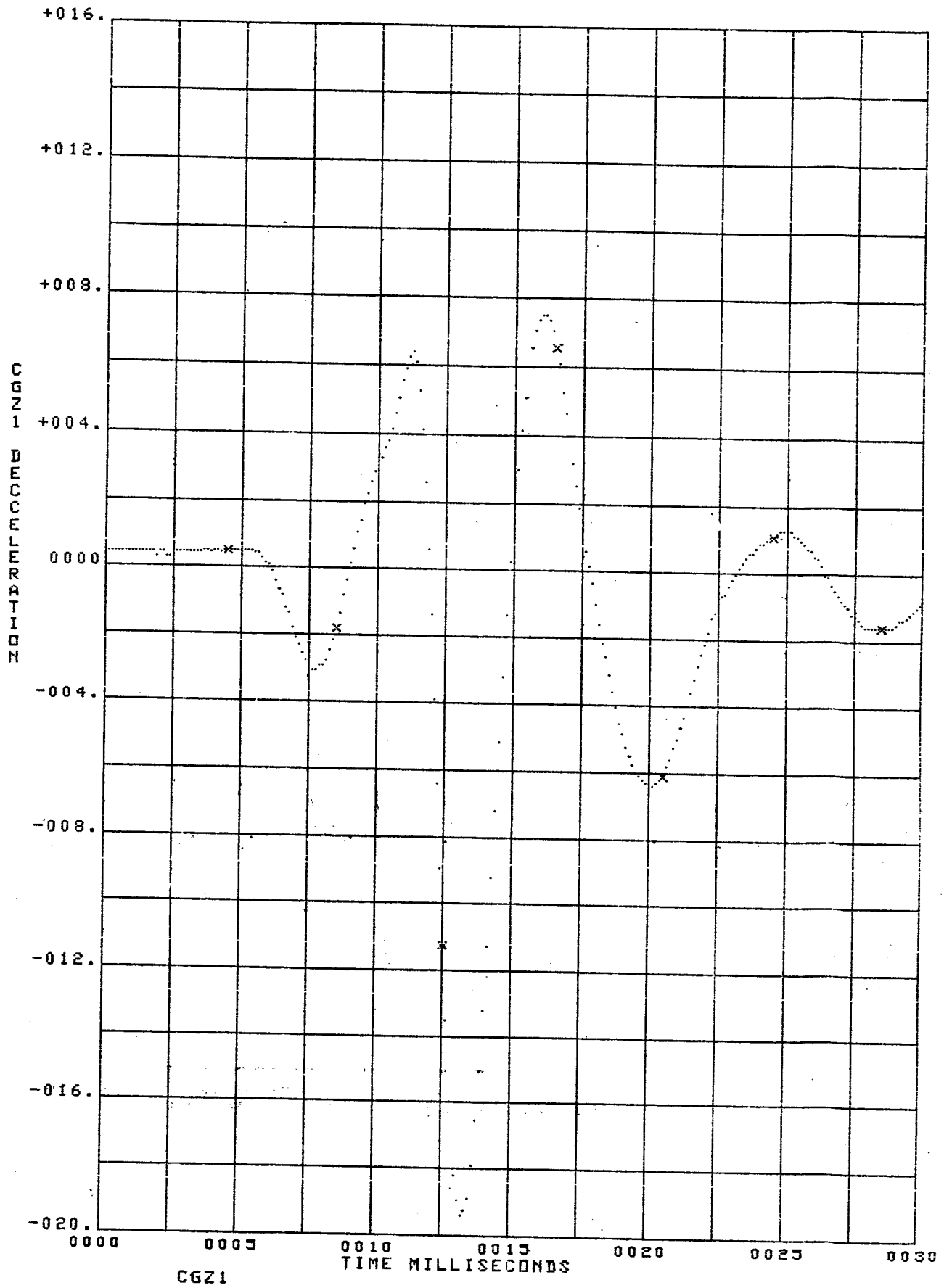
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C016		
37.5000	+003.2	+003.0	+003.0	+003.0	+003.0	+002.8
38.1250	+002.8	+002.7	+002.7	+002.5	+002.5	
38.7500	+002.5	+002.4	+002.4	+002.4	+002.3	
39.3750	+002.3	+002.3	+002.3	+002.4	+002.4	
40.0000	+002.4	+002.4	+002.5	+002.5	+002.5	
40.6250	+002.5	+002.6	+002.6	+002.6	+002.6	
41.2500	+002.6	+002.6	+002.8	+002.8	+002.8	
41.8750	+002.8	+002.8	+002.8	+002.8	+002.8	
42.5000	+002.8	+002.8	+002.8	+002.8	+002.8	
43.1250	+002.8	+002.8	+002.8	+002.9	+002.9	
43.7500	+002.9	+003.0	+003.0	+003.0	+003.0	
44.3750	+003.0	+003.0	+003.0	+003.0	+003.0	
45.0000	+003.0	+003.0	+003.1	+003.1	+003.0	
45.6250	+003.1	+003.0	+003.1	+003.1	+003.1	
46.2500	+003.1	+003.1	+003.1	+003.1	+003.1	
46.8750	+003.1	+003.2	+003.2	+003.2	+003.2	
47.5000	+003.2	+003.2	+003.2	+003.2	+003.2	
48.1250	+003.1	+003.1	+002.9	+002.9	+002.9	
48.7500	+003.0	+002.9	+002.9	+002.8	+002.8	
49.3750	+002.8	+002.7	+002.8	+002.7	+002.7	
50.0000	+002.7	+002.7	+002.6	+002.6	+002.5	
50.6250	+002.5	+002.6	+002.5	+002.5	+002.4	
51.2500	+002.4	+002.4	+002.4	+002.4	+002.3	
51.8750	+002.3	+002.3	+002.3	+002.3	+002.2	
52.5000	+002.2	+002.2	+002.2	+002.2	+002.2	
53.1250	+002.3	+002.3	+002.3	+002.3	+002.3	
53.7500	+002.3	+002.3	+002.3	+002.4	+002.3	
54.3750	+002.3	+002.3	+002.3	+002.3	+002.3	
55.0000	+002.3	+002.3	+002.3	+002.2	+002.2	
55.6250	+002.2	+002.2	+002.2	+002.2	+002.2	
56.2500	+002.2	+002.1	+002.1	+002.1	+002.1	
56.8750	+002.1	+002.1	+002.1	+002.1	+002.1	
57.5000	+002.1	+002.1	+002.0	+002.2	+002.2	
58.1250	+002.2	+002.2	+002.1	+002.0	+002.0	
58.7500	+002.0	+002.0	+002.0	+002.0	+002.0	
59.3750	+002.1	+002.1	+002.1	+002.1	+313.4	

AMAX= +058.5 AT T=008.2

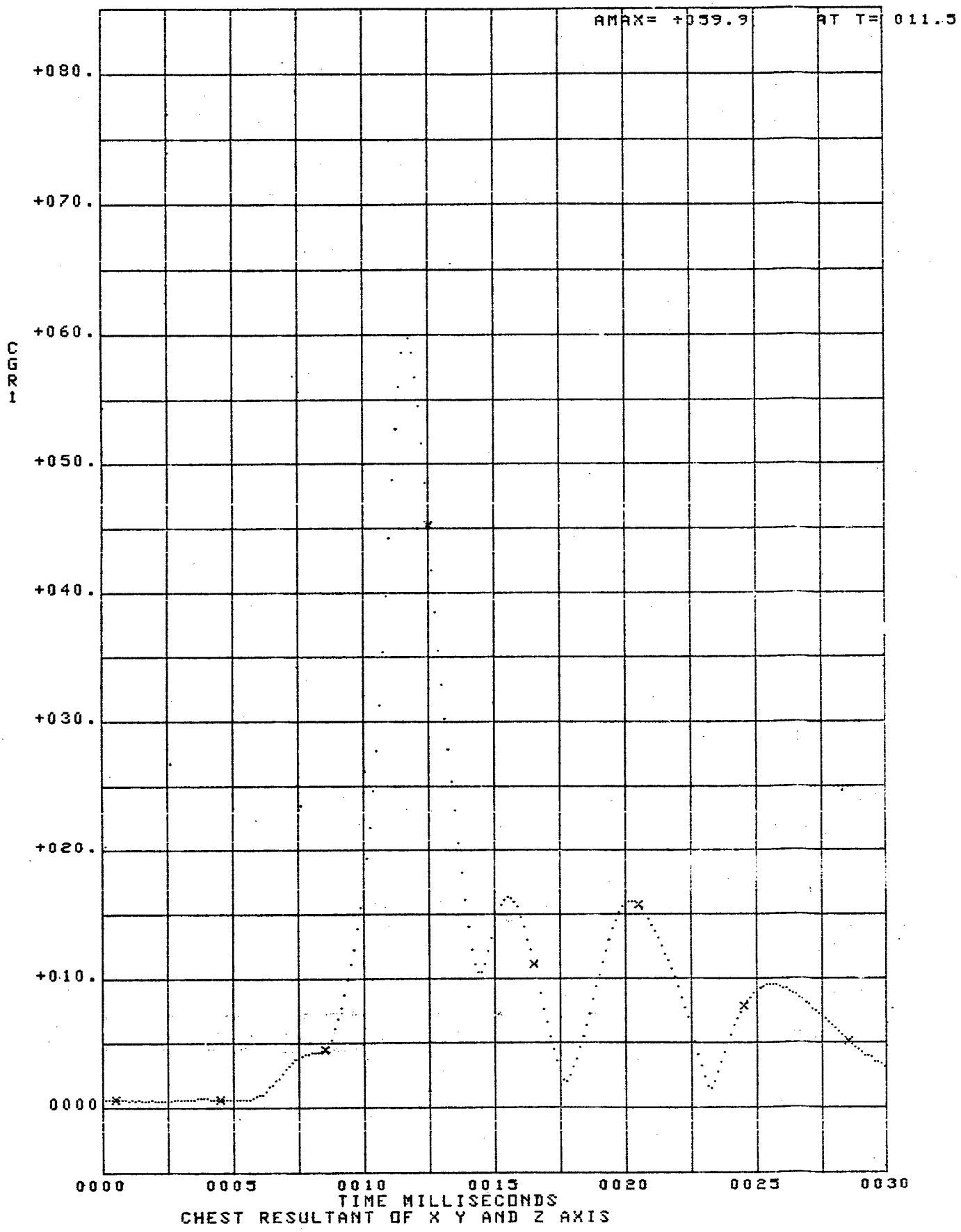

Chest Impact
Dummy No. 38, Run No. 3
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CG X 1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

CHEST IMPACT
TEST C017




CHEST IMPACT
TEST C017
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1

CHEST IMPACT
TEST C017



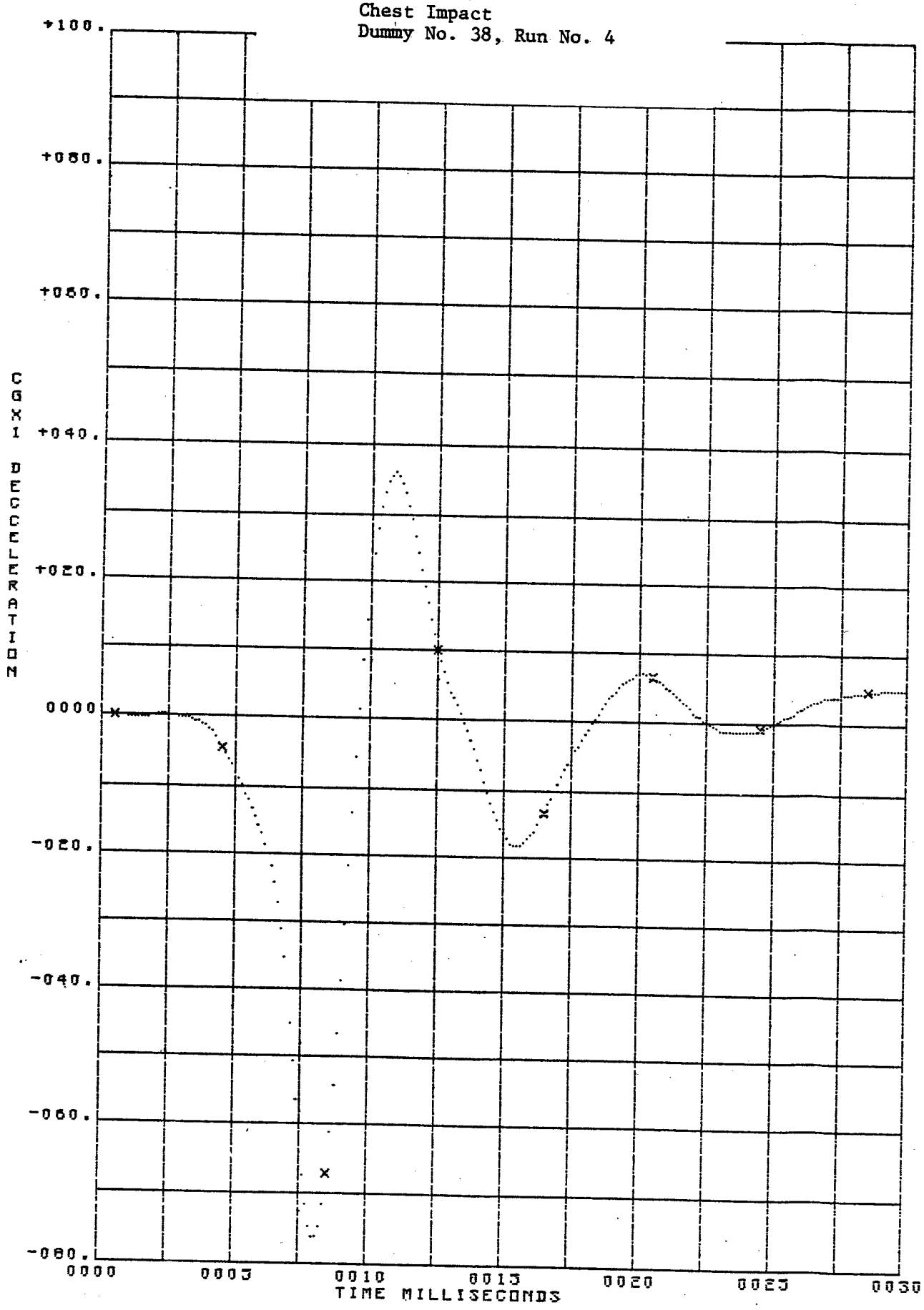
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C017

TIME					
0.0000	+000.1	+000.1	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.0	+000.1	+000.0
1.2500	+000.1	+000.0	+000.0	+000.0	+000.1
1.8750	+000.0	+000.0	+000.0	+000.0	+000.0
2.5000	+000.0	+000.1	+000.1	+000.1	+000.1
3.1250	+000.1	+000.1	+000.2	+000.2	+000.2
3.7500	+000.2	+000.2	+000.2	+000.1	+000.1
4.3750	+000.1	+000.1	+000.1	+000.1	+000.1
5.0000	+000.1	+000.1	+000.1	+000.1	+000.1
5.6250	+000.2	+000.3	+000.4	+000.6	+000.8
6.2500	+001.1	+001.3	+001.6	+001.8	+002.2
6.8750	+002.5	+002.8	+003.0	+003.2	+003.5
7.5000	+003.6	+003.7	+003.7	+003.8	+003.8
8.1250	+003.7	+003.9	+004.0	+004.5	+004.8
8.7500	+005.7	+006.3	+007.2	+008.3	+009.3
9.3750	+010.6	+011.8	+013.3	+015.0	+016.9
10.0000	+018.9	+021.2	+024.1	+027.2	+030.8
10.6250	+035.0	+039.4	+044.0	+048.6	+052.7
11.2500	+056.0	+058.5	+059.9	+059.6	+058.6
11.8750	+056.7	+054.4	+051.5	+048.4	+045.0
12.5000	+041.5	+038.2	+035.2	+032.4	+029.8
13.1250	+027.4	+024.9	+022.5	+020.1	+017.7
13.7500	+015.6	+013.5	+011.8	+010.6	+010.0
14.3750	+010.1	+010.6	+011.6	+012.6	+013.5
15.0000	+014.4	+015.1	+015.6	+015.8	+015.7
15.6250	+015.5	+015.1	+014.2	+013.5	+012.6
16.2500	+011.7	+010.6	+009.6	+008.3	+007.2
16.8750	+006.1	+005.0	+004.0	+003.1	+002.4
17.5000	+001.7	+001.6	+002.0	+002.6	+003.2
18.1250	+004.2	+005.0	+005.9	+006.8	+007.8
18.7500	+008.9	+009.7	+010.7	+011.6	+012.5
19.3750	+013.3	+014.0	+014.6	+015.0	+015.3
20.0000	+015.5	+015.5	+015.5	+015.2	+014.8
20.6250	+014.5	+014.0	+013.6	+013.1	+012.6
21.2500	+012.0	+011.4	+010.8	+010.2	+009.6
21.8750	+008.9	+008.0	+007.3	+006.5	+005.5
22.5000	+004.6	+003.7	+002.7	+001.8	+001.1
23.1250	+001.0	+001.5	+002.2	+003.0	+003.8
23.7500	+004.5	+005.2	+005.9	+006.4	+006.9
24.3750	+007.4	+007.7	+008.0	+008.3	+008.6
25.0000	+008.7	+008.9	+009.0	+009.0	+009.0
25.6250	+009.0	+008.9	+008.8	+008.7	+008.5
26.2500	+008.3	+008.2	+008.0	+007.9	+007.6
26.8750	+007.5	+007.2	+007.0	+006.8	+006.6
27.5000	+006.3	+006.1	+005.8	+005.7	+005.4
28.1250	+005.1	+004.9	+004.6	+004.4	+004.2
28.7500	+004.0	+003.8	+003.6	+003.5	+003.3
29.3750	+003.0	+003.0	+002.8	+002.6	+002.5
30.0000	+002.5	+002.3	+002.3	+002.2	+002.1
30.6250	+002.1	+002.0	+001.9	+002.0	+001.9
31.2500	+002.0	+002.0	+002.1	+002.2	+002.2
31.8750	+002.2	+002.4	+002.4	+002.4	+002.5
32.5000	+002.6	+002.7	+002.9	+002.9	+003.0
33.1250	+003.0	+003.1	+003.2	+003.3	+003.3
33.7500	+003.4	+003.4	+003.5	+003.5	+003.5
34.3750	+003.6	+003.5	+003.6	+003.7	+003.6
35.0000	+003.8	+003.8	+003.8	+003.9	+003.9
35.6250	+004.0	+004.0	+004.2	+004.2	+004.3
36.2500	+004.3	+004.4	+004.5	+004.5	+004.6
36.8750	+004.7	+004.7	+004.8	+004.8	+004.8

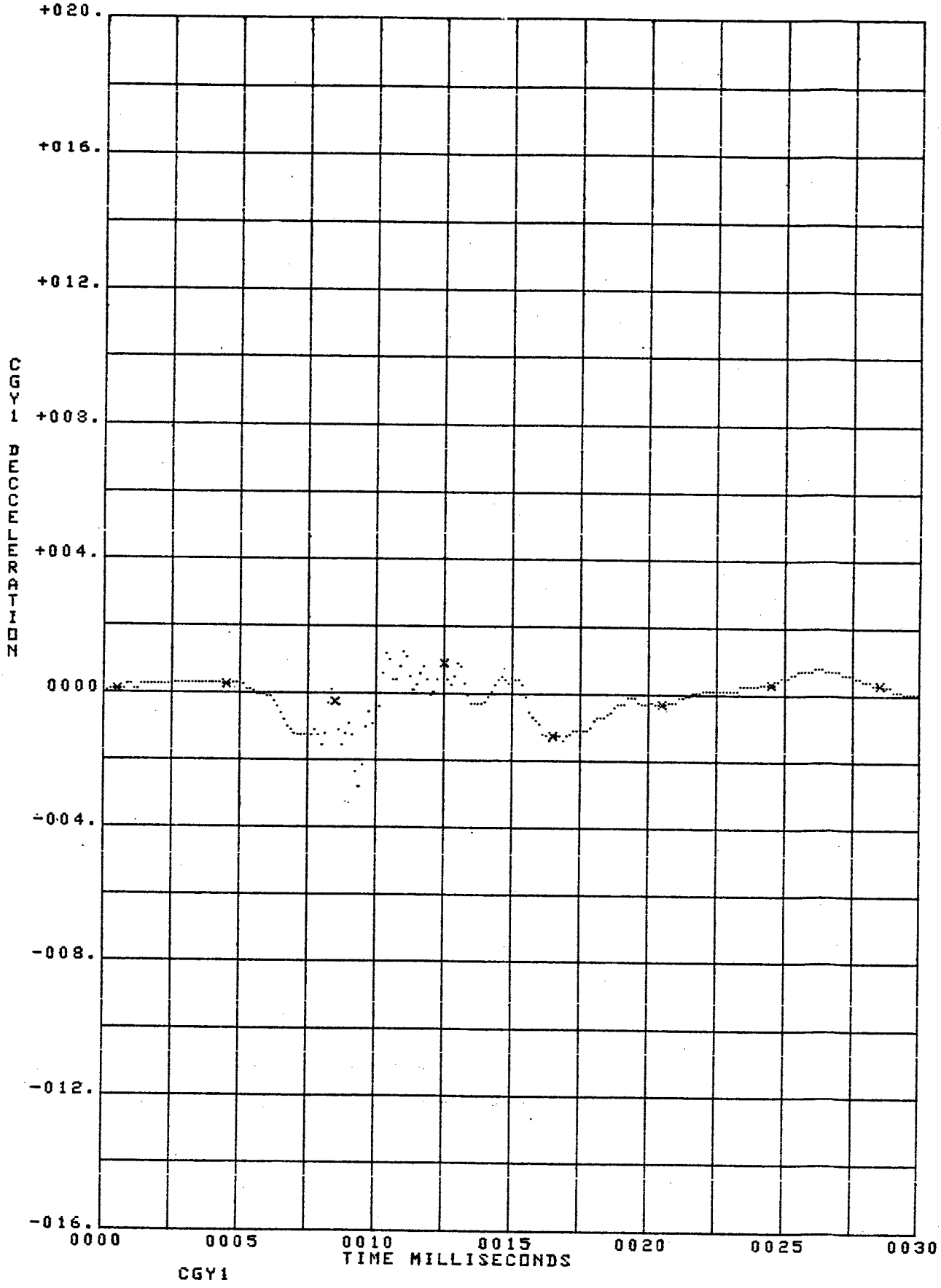
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C017		
37.5000	+004.8	+004.9	+004.9	+004.9	+004.8	
38.1250	+004.7	+004.7	+004.7	+004.7	+004.6	
38.7500	+004.5	+004.4	+004.4	+004.2	+004.2	
39.3750	+004.0	+003.9	+003.9	+003.8	+003.6	
40.0000	+003.5	+003.5	+003.3	+003.3	+003.2	
40.6250	+003.0	+003.0	+003.0	+002.9	+002.9	
41.2500	+002.9	+002.9	+002.8	+002.8	+002.8	
41.8750	+002.8	+002.8	+002.8	+002.8	+002.8	
42.5000	+002.8	+002.8	+002.8	+002.8	+002.8	
43.1250	+002.8	+002.8	+002.8	+002.8	+002.8	
43.7500	+002.8	+002.8	+002.8	+002.8	+002.8	
44.3750	+002.8	+002.8	+002.8	+002.8	+002.8	
45.0000	+002.8	+002.8	+002.8	+002.8	+002.8	
45.6250	+002.8	+002.8	+002.8	+002.7	+002.7	
46.2500	+002.7	+002.7	+002.7	+002.7	+002.7	
46.8750	+002.9	+002.8	+002.8	+002.9	+002.9	
47.5000	+002.9	+002.9	+002.9	+002.9	+002.9	
48.1250	+002.9	+002.9	+002.9	+002.9	+003.1	
48.7500	+003.1	+003.1	+003.1	+003.1	+003.1	
49.3750	+003.1	+003.1	+003.2	+003.2	+003.3	
50.0000	+003.3	+003.3	+003.4	+003.4	+003.3	
50.6250	+003.4	+003.4	+003.4	+003.4	+003.4	
51.2500	+003.4	+003.4	+003.4	+003.4	+003.4	
51.8750	+003.4	+003.4	+003.3	+003.3	+003.3	
52.5000	+003.3	+003.2	+003.2	+003.2	+003.2	
53.1250	+003.2	+003.1	+003.1	+003.1	+003.1	
53.7500	+003.0	+003.1	+003.0	+003.0	+002.9	
54.3750	+002.9	+002.8	+002.8	+002.8	+002.8	
55.0000	+002.7	+002.7	+002.7	+002.7	+002.6	
55.6250	+002.4	+002.5	+002.4	+002.4	+002.4	
56.2500	+002.3	+002.3	+002.3	+002.3	+002.3	
56.8750	+002.3	+002.3	+002.3	+002.3	+002.2	
57.5000	+002.2	+002.2	+002.2	+002.1	+002.1	
58.1250	+002.1	+002.1	+002.2	+002.1	+002.2	
58.7500	+002.1	+002.2	+002.1	+002.1	+002.1	
59.3750	+002.1	+002.1	+002.1	+002.1	+313.4	

AMAX= +059.9 AT T=011.5

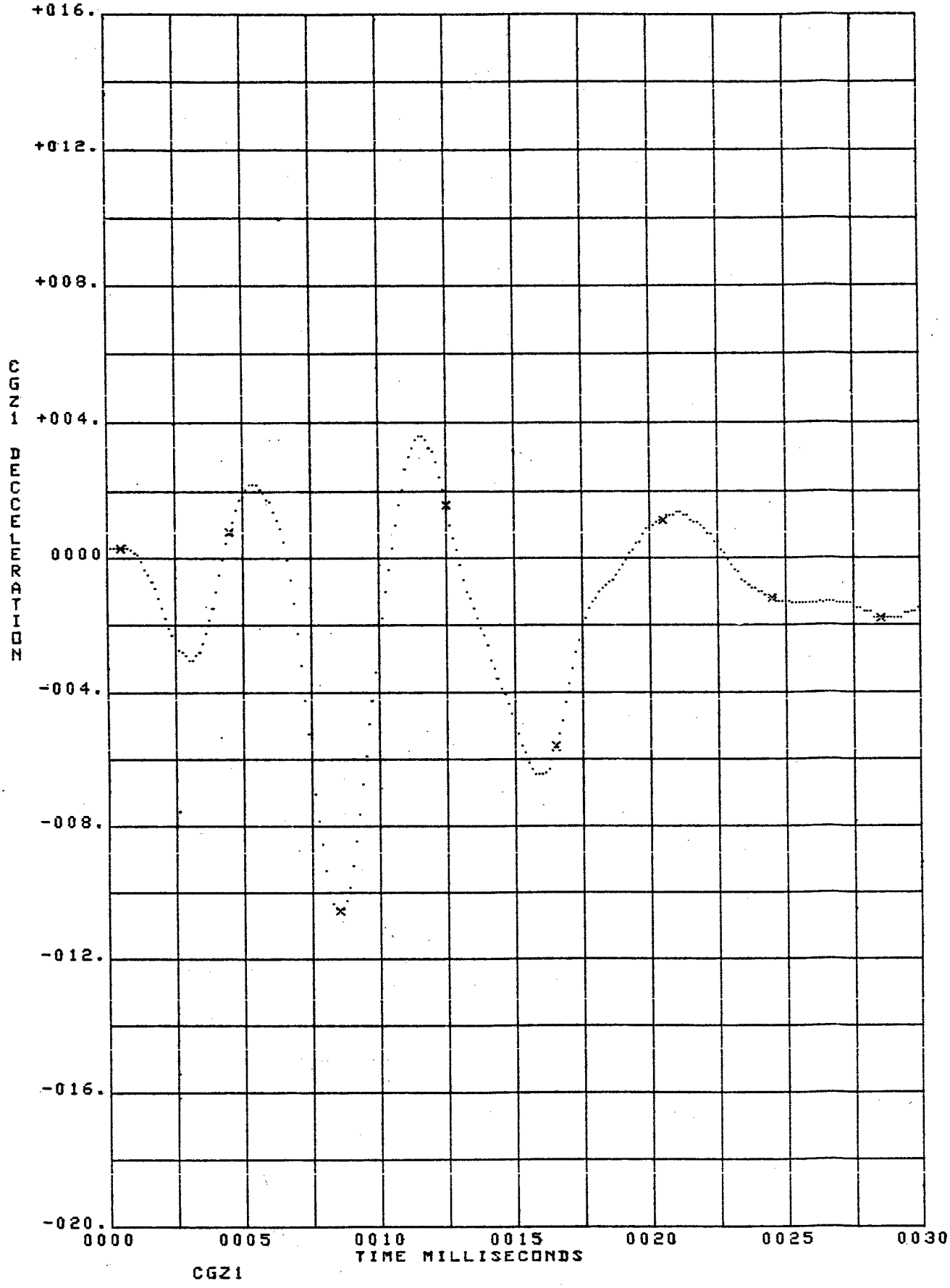
Chest Impact
Dummy No. 38, Run No. 4



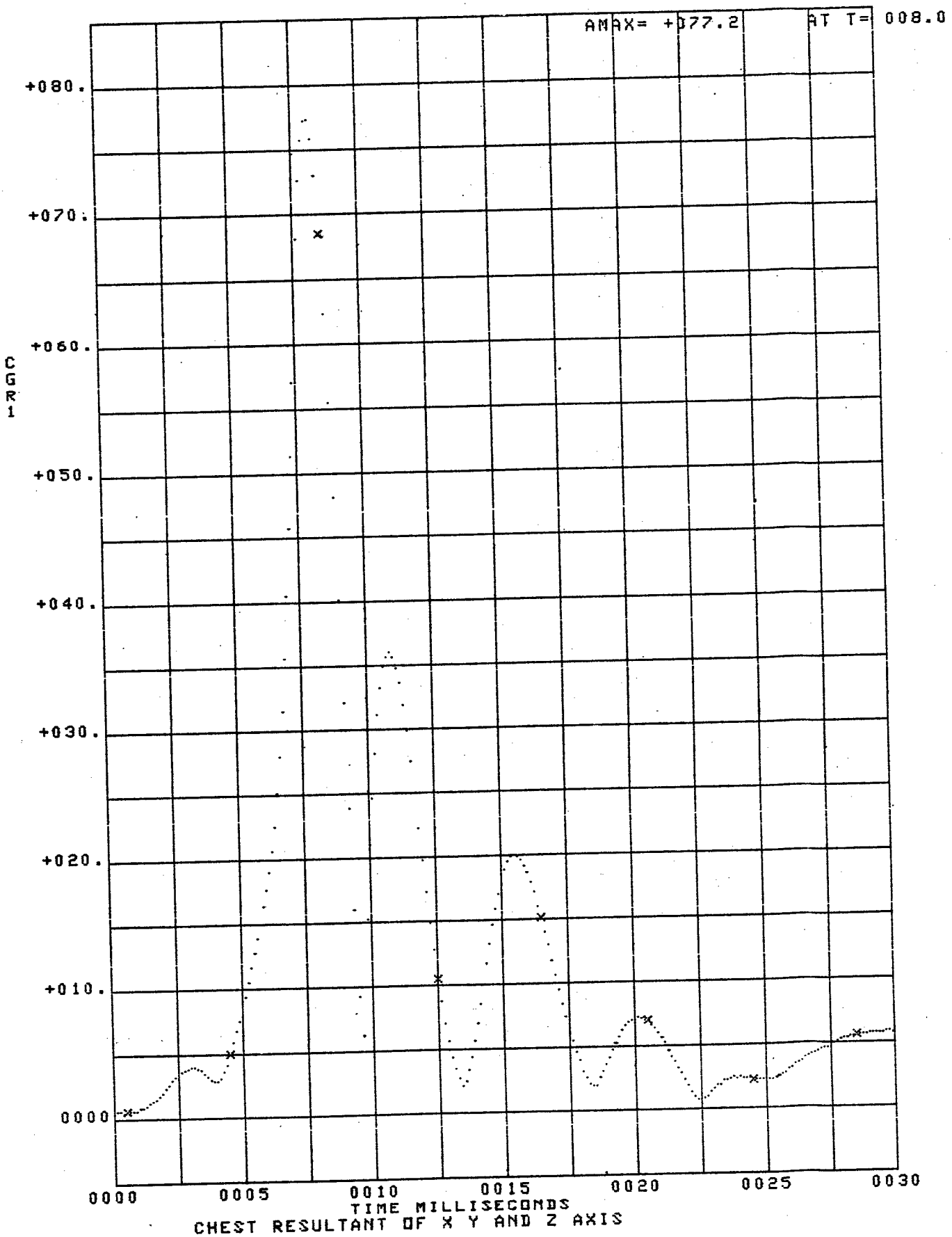
CHEST IMPACT
TEST C006



CHEST IMPACT
TEST C006



CHEST IMPACT
TEST C006

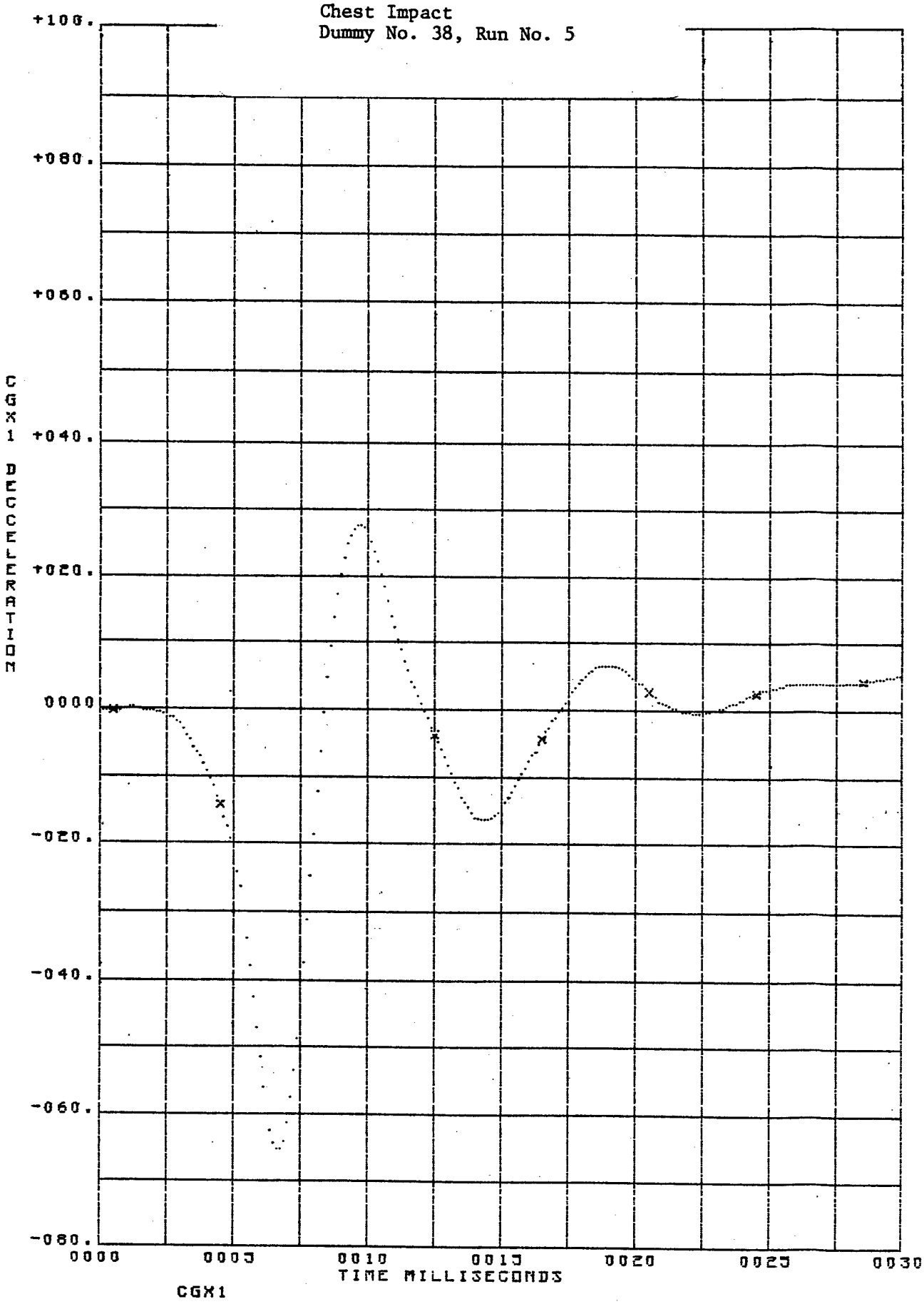


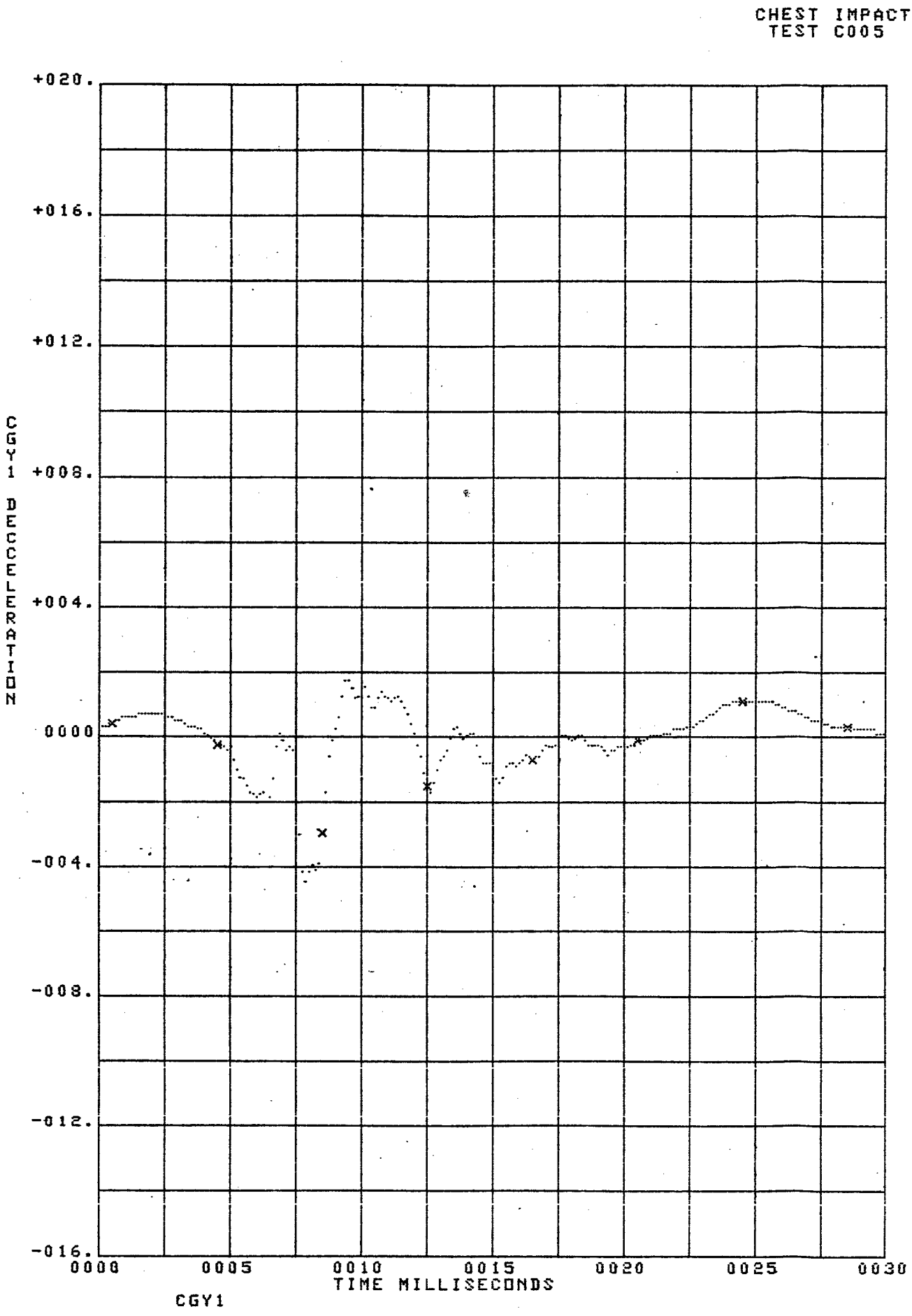
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C006

TIME					
0.0000	+000.2	+000.1	+000.0	+000.1	+000.1
0.6250	+000.1	+000.2	+000.3	+000.4	+000.5
1.2500	+000.7	+001.0	+001.1	+001.3	+001.5
1.8750	+001.8	+002.1	+002.5	+002.7	+002.9
2.5000	+003.1	+003.2	+003.3	+003.4	+003.5
3.1250	+003.3	+003.2	+003.0	+002.8	+002.5
3.7500	+002.3	+002.4	+002.6	+003.2	+003.7
4.3750	+004.5	+005.4	+006.2	+007.1	+007.9
5.0000	+008.9	+010.0	+011.1	+012.2	+013.4
5.6250	+014.5	+015.9	+017.1	+018.4	+020.1
6.2500	+022.0	+024.6	+027.6	+031.0	+035.2
6.8750	+040.2	+045.5	+051.3	+057.1	+062.8
7.5000	+068.1	+072.6	+075.6	+077.2	+077.2
8.1250	+075.8	+072.9	+068.4	+062.3	+055.5
8.7500	+048.0	+039.8	+031.7	+023.3	+015.5
9.3750	+008.7	+005.7	+009.4	+014.7	+019.7
10.0000	+024.1	+027.7	+030.7	+032.8	+034.4
10.6250	+035.3	+035.7	+035.3	+034.3	+033.2
11.2500	+031.4	+029.4	+027.0	+024.5	+021.7
11.8750	+019.2	+016.8	+014.4	+012.2	+010.1
12.5000	+008.2	+006.5	+005.1	+003.9	+003.0
13.1250	+002.3	+001.7	+002.0	+002.9	+003.9
13.7500	+005.1	+006.5	+008.0	+009.5	+011.1
14.3750	+012.7	+014.0	+015.3	+016.5	+017.4
15.0000	+018.3	+019.0	+019.3	+019.4	+019.4
15.6250	+019.1	+018.7	+018.1	+017.4	+016.6
16.2500	+015.5	+014.6	+013.5	+012.4	+011.2
16.8750	+010.1	+009.0	+007.9	+006.9	+006.0
17.5000	+005.0	+004.2	+003.5	+002.7	+002.1
18.1250	+001.6	+001.5	+001.6	+002.1	+002.6
18.7500	+003.1	+003.7	+004.3	+004.8	+005.3
19.3750	+005.7	+006.1	+006.4	+006.6	+006.7
20.0000	+006.8	+006.7	+006.5	+006.4	+006.1
20.6250	+005.8	+005.5	+005.1	+004.7	+004.2
21.2500	+003.7	+003.2	+002.8	+002.4	+001.9
21.8750	+001.4	+001.0	+000.6	+000.2	+000.0
22.5000	+000.3	+000.5	+000.9	+001.1	+001.4
23.1250	+001.4	+001.8	+001.8	+001.9	+002.0
23.7500	+001.9	+002.0	+001.9	+001.9	+001.9
24.3750	+001.8	+001.7	+001.8	+001.8	+001.7
25.0000	+001.7	+001.8	+001.9	+002.0	+002.1
25.6250	+002.3	+002.5	+002.6	+002.8	+003.0
26.2500	+003.1	+003.3	+003.5	+003.6	+003.8
26.8750	+003.9	+004.0	+004.2	+004.2	+004.4
27.5000	+004.5	+004.6	+004.7	+004.8	+004.8
28.1250	+005.0	+005.0	+005.1	+005.1	+005.2
28.7500	+005.2	+005.2	+005.2	+005.2	+005.3
29.3750	+005.3	+005.4	+005.4	+005.3	+005.4
30.0000	+000.0	+000.0	+000.0	+000.0	+000.0
30.6250	+000.0	+000.0	+000.0	+000.0	+000.0
31.2500	+000.0	+000.0	+000.0	+000.0	+000.0
31.8750	+000.0	+000.0	+000.0	+000.0	+000.0
32.5000	+000.0	+000.0	+000.0	+000.0	+000.0
33.1250	+000.0	+000.0	+000.0	+000.0	+000.0
33.7500	+000.0	+000.0	+000.0	+000.0	+000.0
34.3750	+000.0	+000.0	+000.0	+000.0	+000.0
35.0000	+000.0	+000.0	+000.0	+000.0	+000.0
35.6250	+000.0	+000.0	+000.0	+000.0	+000.0
36.2500	+000.0	+000.0	+000.0	+000.0	+000.0
36.8750	+000.0	+000.0	+000.0	+000.0	+000.0

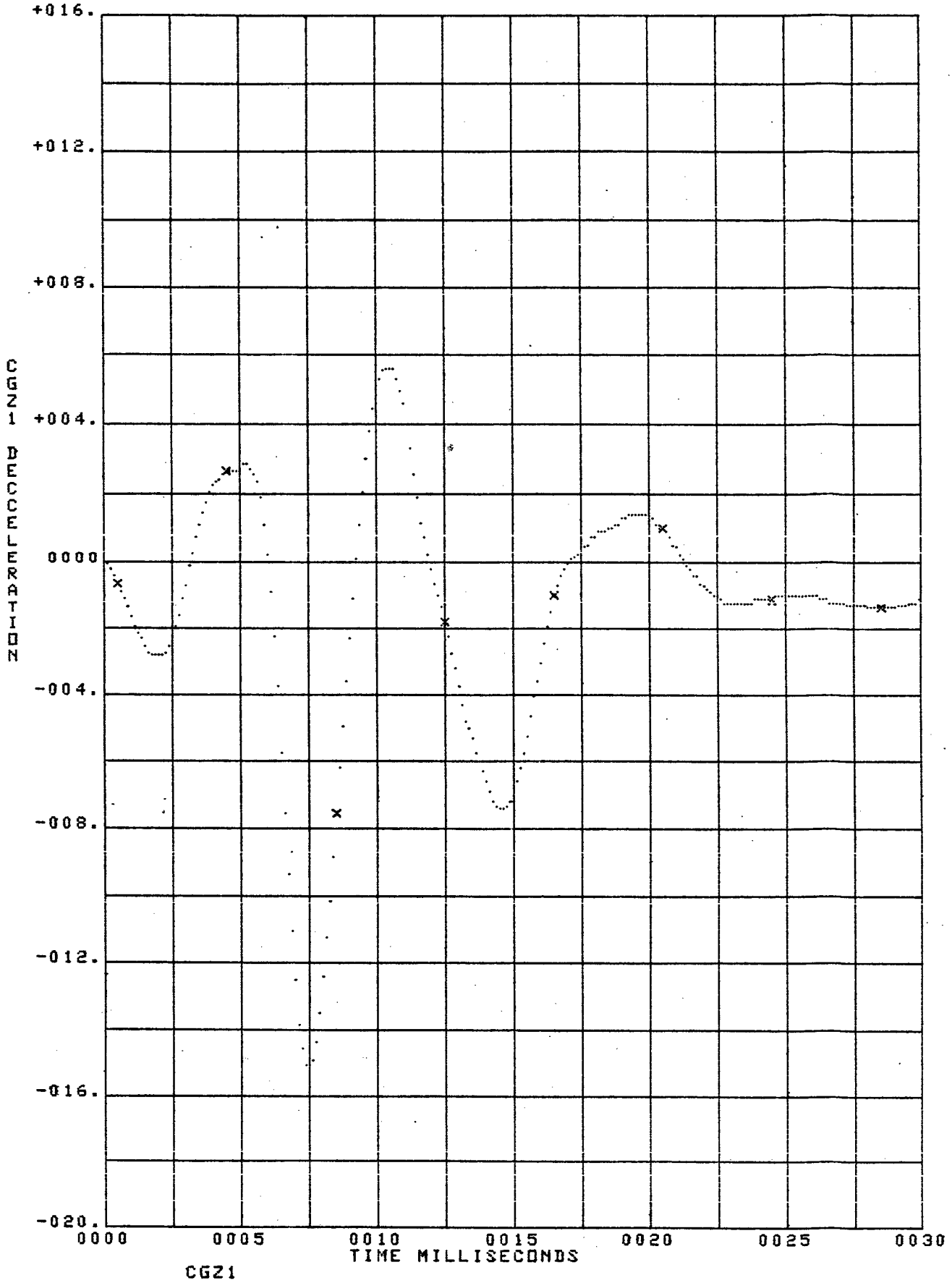
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C006		
37.5000	+000.0	+000.0	+000.0	+000.0	+000.0	
38.1250	+000.0	+000.0	+000.0	+000.0	+000.0	
38.7500	+000.0	+000.0	+000.0	+000.0	+000.0	
39.3750	+000.0	+000.0	+000.0	+000.0	+000.0	
40.0000	+000.0	+000.0	+000.0	+000.0	+000.0	
40.6250	+000.0	+000.0	+000.0	+000.0	+000.0	
41.2500	+000.0	+000.0	+000.0	+000.0	+000.0	
41.8750	+000.0	+000.0	+000.0	+000.0	+000.0	
42.5000	+000.0	+000.0	+000.0	+000.0	+000.0	
43.1250	+000.0	+000.0	+000.0	+000.0	+000.0	
43.7500	+000.0	+000.0	+000.0	+000.0	+000.0	
44.3750	+000.0	+000.0	+000.0	+000.0	+000.0	
45.0000	+000.0	+000.0	+000.0	+000.0	+000.0	
45.6250	+000.0	+000.0	+000.0	+000.0	+000.0	
46.2500	+000.0	+000.0	+000.0	+000.0	+000.0	
46.8750	+000.0	+000.0	+000.0	+000.0	+000.0	
47.5000	+000.0	+000.0	+000.0	+000.0	+000.0	
48.1250	+000.0	+000.0	+000.0	+000.0	+000.0	
48.7500	+000.0	+000.0	+000.0	+000.0	+000.0	
49.3750	+000.0	+000.0	+000.0	+000.0	+000.0	
50.0000	+000.0	+000.0	+000.0	+000.0	+000.0	
50.6250	+000.0	+000.0	+000.0	+000.0	+000.0	
51.2500	+000.0	+000.0	+000.0	+000.0	+000.0	
51.8750	+000.0	+000.0	+000.0	+000.0	+000.0	
52.5000	+000.0	+000.0	+000.0	+000.0	+000.0	
53.1250	+000.0	+000.0	+000.0	+000.0	+000.0	
53.7500	+000.0	+000.0	+000.0	+000.0	+000.0	
54.3750	+000.0	+000.0	+000.0	+000.0	+000.0	
55.0000	+000.0	+000.0	+000.0	+000.0	+000.0	
55.6250	+000.0	+000.0	+000.0	+000.0	+000.0	
56.2500	+000.0	+000.0	+000.0	+000.0	+000.0	
56.8750	+000.0	+000.0	+000.0	+000.0	+000.0	
57.5000	+000.0	+000.0	+000.0	+000.0	+000.0	
58.1250	+000.0	+000.0	+000.0	+000.0	+000.0	
58.7500	+000.0	+000.0	+000.0	+000.0	+000.0	
59.3750	+000.0	+000.0	+000.0	+000.0	+313.4	

AMAX= +077.2 AT T=008.0

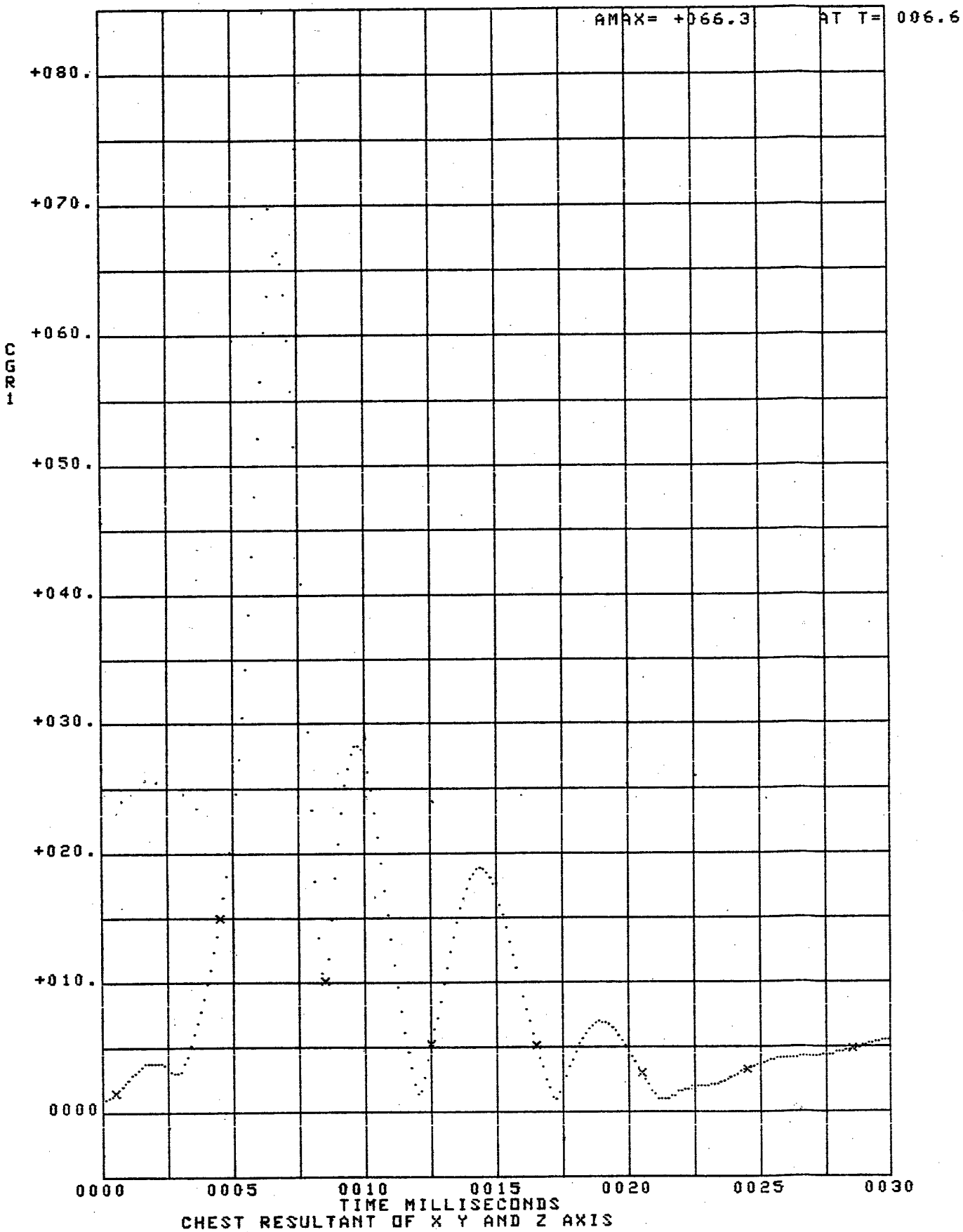

Chest Impact
Dummy No. 38, Run No. 5
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGX1


CHEST IMPACT
TEST C005
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1

CHEST IMPACT
TEST C005



CHEST IMPACT
TEST C005



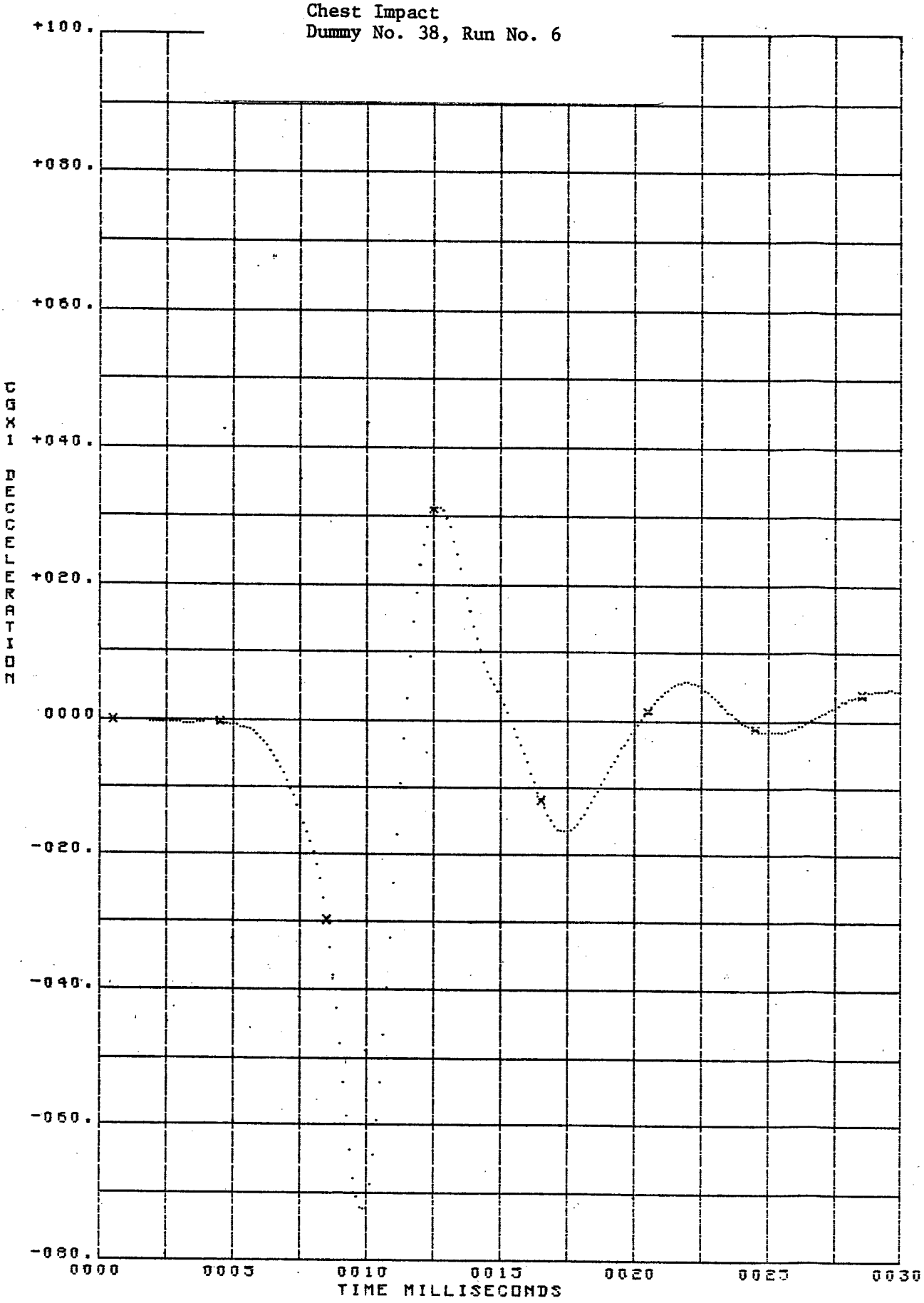
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C005

TIME					
0.0000	+000.5	+000.7	+000.8	+001.1	+001.3
0.6250	+001.5	+001.8	+002.1	+002.4	+002.5
1.2500	+002.8	+003.0	+003.2	+003.3	+003.3
1.8750	+003.3	+003.3	+003.2	+003.1	+002.8
2.5000	+002.7	+002.5	+002.5	+002.7	+003.2
3.1250	+003.8	+004.6	+005.5	+006.3	+007.2
3.7500	+008.3	+009.4	+010.5	+011.8	+013.1
4.3750	+014.5	+016.1	+017.7	+019.5	+021.6
5.0000	+024.0	+026.8	+030.0	+033.9	+038.1
5.6250	+042.8	+047.5	+052.1	+056.4	+060.2
6.2500	+062.9	+065.0	+066.1	+066.3	+065.5
6.8750	+063.1	+059.6	+055.7	+051.4	+046.3
7.5000	+040.6	+034.6	+028.9	+022.8	+017.4
8.1250	+013.0	+010.2	+009.7	+011.4	+014.4
8.7500	+017.5	+020.2	+022.6	+024.7	+026.0
9.3750	+027.0	+027.8	+027.8	+027.5	+026.8
10.0000	+025.7	+024.3	+022.6	+020.7	+018.7
10.6250	+016.6	+014.7	+012.8	+010.8	+009.0
11.2500	+007.3	+005.7	+004.1	+002.8	+001.7
11.8750	+000.9	+001.1	+002.1	+003.6	+004.8
12.5000	+005.8	+006.8	+008.0	+009.3	+010.6
13.1250	+011.9	+013.0	+014.1	+015.1	+016.0
13.7500	+016.7	+017.4	+017.8	+018.2	+018.3
14.3750	+018.2	+018.0	+017.6	+017.1	+016.3
15.0000	+015.5	+014.7	+013.8	+012.6	+011.5
15.6250	+010.6	+009.5	+008.3	+007.4	+006.4
16.2500	+005.5	+004.6	+003.7	+002.9	+002.1
16.8750	+001.4	+000.7	+000.5	+001.0	+001.6
17.5000	+002.3	+002.9	+003.5	+004.1	+004.7
18.1250	+005.1	+005.5	+005.9	+006.1	+006.3
18.7500	+006.4	+006.3	+006.3	+006.2	+006.0
19.3750	+005.7	+005.4	+005.0	+004.6	+004.2
20.0000	+003.7	+003.4	+002.8	+002.5	+002.1
20.6250	+001.6	+001.2	+000.9	+000.6	+000.4
21.2500	+000.5	+000.6	+000.7	+000.8	+001.1
21.8750	+001.1	+001.3	+001.3	+001.5	+001.5
22.5000	+001.6	+001.6	+001.6	+001.6	+001.6
23.1250	+001.6	+001.7	+001.8	+001.9	+002.0
23.7500	+002.1	+002.3	+002.4	+002.6	+002.7
24.3750	+002.8	+002.9	+003.0	+003.2	+003.2
25.0000	+003.2	+003.4	+003.4	+003.6	+003.7
25.6250	+003.6	+003.7	+003.6	+003.6	+003.7
26.2500	+003.7	+003.8	+003.8	+003.8	+003.8
26.8750	+003.8	+003.8	+003.9	+004.0	+003.9
27.5000	+004.0	+004.0	+004.1	+004.1	+004.2
28.1250	+004.3	+004.3	+004.3	+004.4	+004.4
28.7500	+004.6	+004.6	+004.7	+004.8	+004.9
29.3750	+004.8	+005.0	+005.0	+005.0	+005.1
30.0000	+005.1	+005.1	+005.1	+005.1	+005.2
30.6250	+005.2	+005.2	+005.1	+005.2	+005.1
31.2500	+005.1	+005.1	+005.1	+005.1	+005.1
31.8750	+005.1	+005.0	+005.0	+004.9	+004.9
32.5000	+004.8	+004.8	+004.7	+004.7	+004.6
33.1250	+004.5	+004.5	+004.4	+004.3	+004.3
33.7500	+004.1	+004.1	+003.9	+003.9	+003.8
34.3750	+003.6	+003.5	+003.5	+003.3	+003.3
35.0000	+003.2	+003.2	+003.0	+003.0	+002.8
35.6250	+002.8	+002.6	+002.5	+002.5	+002.5
36.2500	+002.3	+002.3	+002.3	+002.3	+002.3
36.8750	+002.1	+002.1	+002.1	+002.1	+002.1

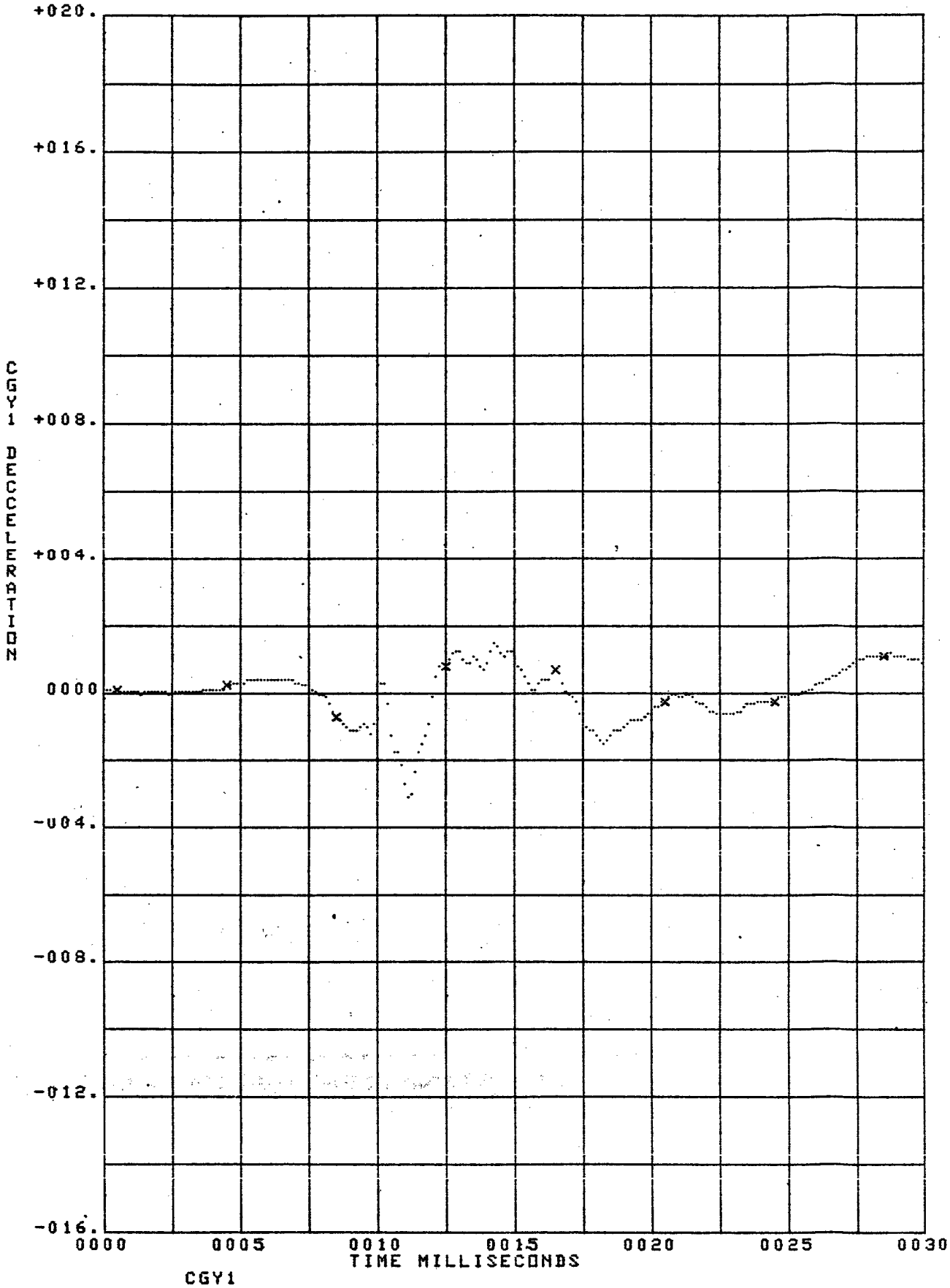
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C005		
37.5000	+002.1	+002.2	+002.1	+002.2	+002.2	
38.1250	+002.2	+002.2	+002.2	+002.2	+002.2	
38.7500	+002.2	+002.2	+002.2	+002.2	+002.2	
39.3750	+002.2	+002.2	+002.2	+002.2	+002.3	
40.0000	+002.4	+002.4	+002.3	+002.3	+002.3	
40.6250	+002.3	+002.4	+002.5	+002.5	+002.5	
41.2500	+002.3	+002.3	+002.4	+002.4	+002.4	
41.8750	+002.4	+002.4	+002.4	+002.4	+002.4	
42.5000	+002.3	+002.3	+002.4	+002.5	+002.5	
43.1250	+002.5	+002.5	+002.5	+002.5	+002.5	
43.7500	+002.5	+002.5	+002.5	+002.6	+002.6	
44.3750	+002.5	+002.6	+002.6	+002.6	+002.6	
45.0000	+002.6	+002.6	+002.6	+002.6	+002.6	
45.6250	+002.6	+002.6	+002.6	+002.5	+002.5	
46.2500	+002.5	+002.5	+002.4	+002.5	+002.4	
46.8750	+002.4	+002.4	+002.5	+002.4	+002.4	
47.5000	+002.4	+002.4	+002.4	+002.3	+002.4	
48.1250	+002.3	+002.2	+002.3	+002.2	+002.1	
48.7500	+002.1	+002.2	+002.1	+002.1	+002.1	
49.3750	+002.1	+002.1	+002.1	+002.1	+002.0	
50.0000	+002.0	+002.0	+002.0	+002.0	+001.9	
50.6250	+001.9	+001.9	+001.9	+001.9	+001.9	
51.2500	+001.8	+001.8	+001.9	+001.9	+001.8	
51.8750	+001.8	+001.9	+001.9	+001.9	+001.9	
52.5000	+001.9	+001.9	+001.9	+001.9	+001.9	
53.1250	+001.9	+002.0	+002.0	+002.0	+002.0	
53.7500	+002.0	+002.1	+002.1	+002.1	+002.1	
54.3750	+002.1	+002.1	+002.1	+002.1	+002.1	
55.0000	+002.1	+002.1	+002.1	+002.1	+002.1	
55.6250	+002.1	+002.1	+002.1	+002.1	+002.1	
56.2500	+002.1	+002.1	+002.0	+002.0	+002.0	
56.8750	+002.0	+002.0	+002.0	+002.0	+002.0	
57.5000	+002.0	+002.0	+002.0	+002.0	+002.0	
58.1250	+002.0	+002.0	+001.9	+001.9	+001.9	
58.7500	+001.9	+001.9	+001.9	+001.9	+001.9	
59.3750	+001.9	+001.9	+001.8	+001.9	+313.4	

AMAX= +066.3 AT T=006.6

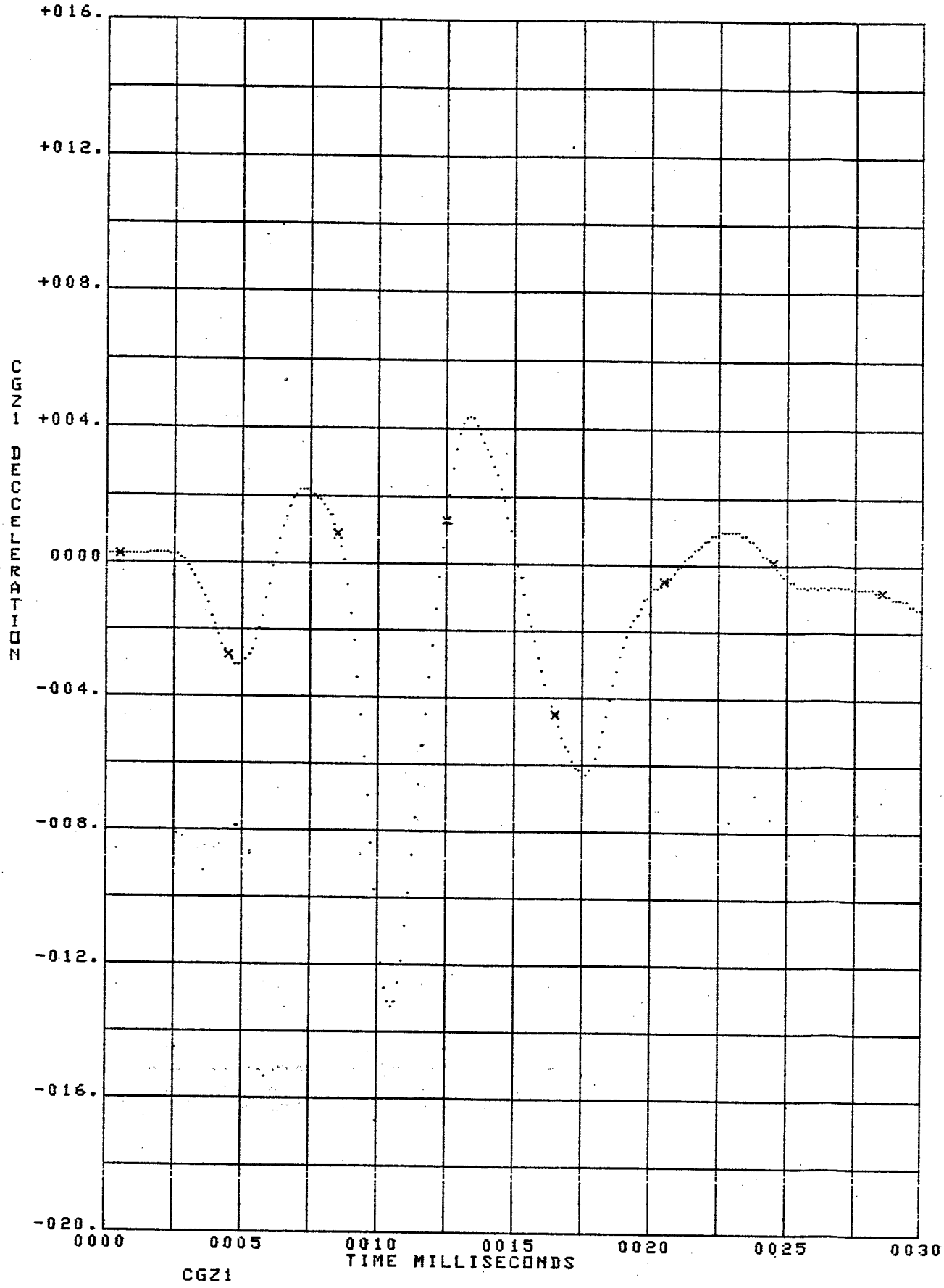
Chest Impact
Dummy No. 38, Run No. 6

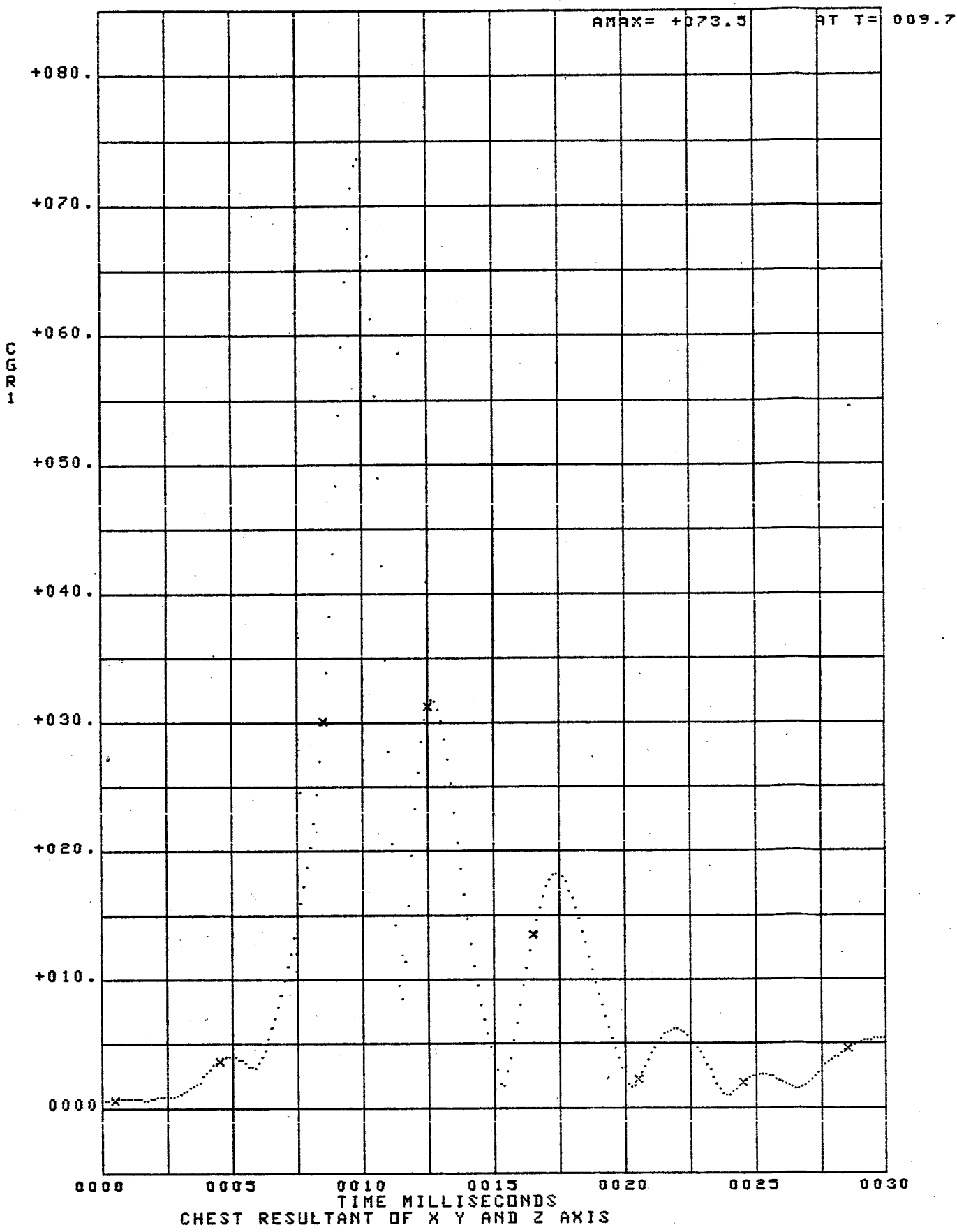


CHEST IMPACT
TEST C004



CHEST IMPACT
TEST C004




CHEST IMPACT
TEST C004
AMAX= +073.5
AT T= 009.7
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

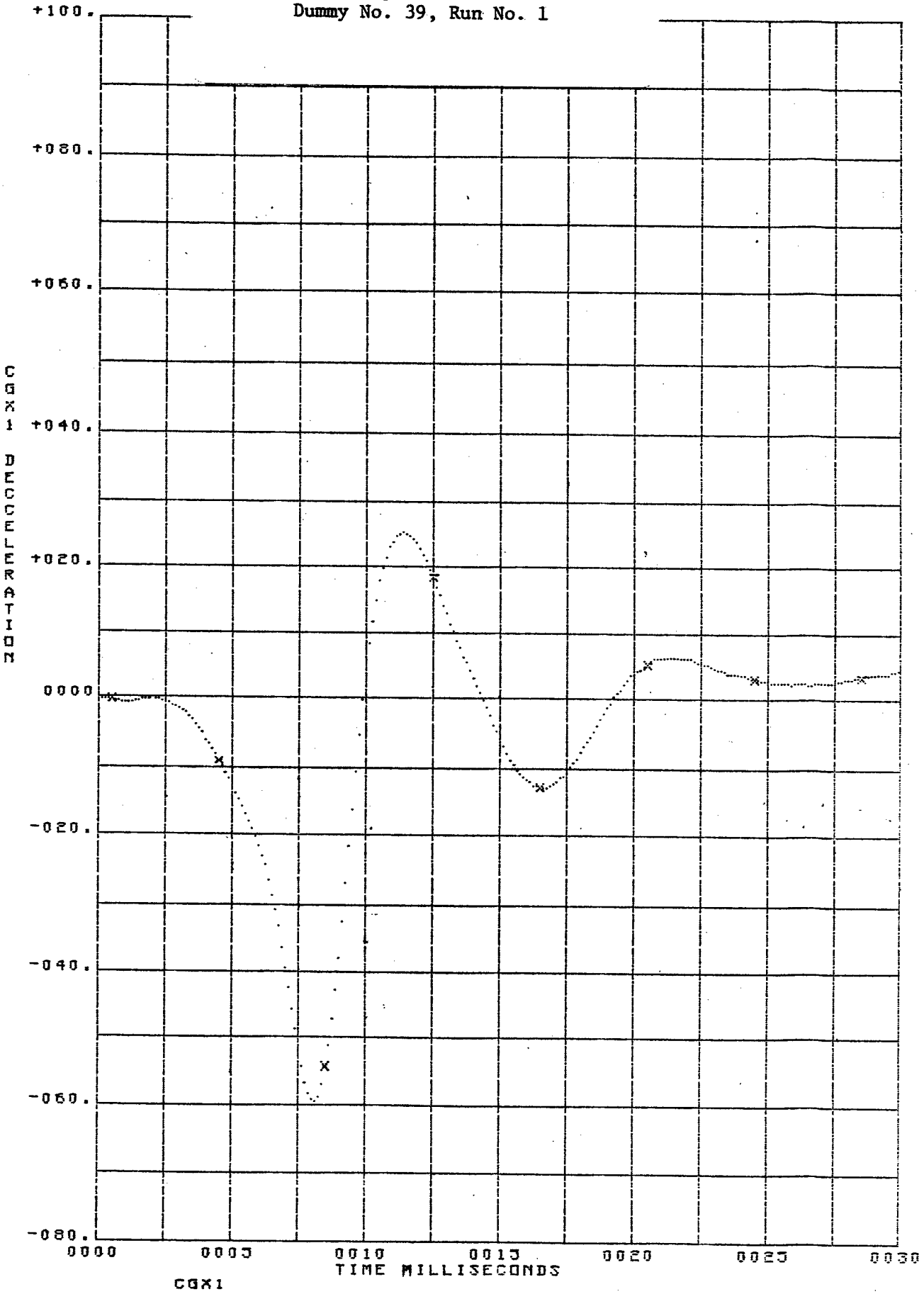
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C004

TIME					
0.0000	+000.1	+000.2	+000.2	+000.2	+000.2
0.6250	+000.2	+000.2	+000.2	+000.2	+000.2
1.2500	+000.3	+000.2	+000.2	+000.2	+000.3
1.8750	+000.3	+000.3	+000.3	+000.4	+000.3
2.5000	+000.3	+000.4	+000.5	+000.6	+000.8
3.1250	+000.9	+001.1	+001.3	+001.4	+001.6
3.7500	+002.0	+002.2	+002.5	+002.8	+003.0
4.3750	+003.2	+003.3	+003.5	+003.5	+003.5
5.0000	+003.4	+003.3	+003.2	+003.0	+002.8
5.6250	+002.8	+002.7	+003.0	+003.4	+004.0
6.2500	+004.8	+005.7	+006.5	+007.4	+008.3
6.8750	+009.3	+010.5	+011.5	+012.8	+014.0
7.5000	+015.4	+016.7	+018.1	+019.8	+021.6
8.1250	+023.8	+026.5	+029.7	+033.5	+037.9
8.7500	+042.9	+048.3	+053.8	+059.1	+064.0
9.3750	+068.2	+071.2	+073.0	+073.5	+072.4
10.0000	+069.9	+066.1	+061.2	+055.4	+048.9
10.6250	+041.9	+034.5	+027.2	+020.1	+013.7
11.2500	+009.0	+008.0	+010.9	+015.2	+019.1
11.8750	+022.7	+025.6	+028.1	+029.8	+030.8
12.5000	+031.3	+031.1	+030.6	+029.7	+028.3
13.1250	+026.6	+024.7	+022.4	+020.2	+018.1
13.7500	+016.1	+014.2	+012.2	+010.5	+009.0
14.3750	+007.5	+006.3	+005.3	+004.3	+003.4
15.0000	+002.5	+001.4	+001.3	+002.3	+003.4
15.6250	+004.7	+006.1	+007.5	+008.9	+010.3
16.2500	+011.7	+013.0	+014.1	+015.1	+015.9
16.8750	+016.7	+017.2	+017.5	+017.7	+017.6
17.5000	+017.5	+017.0	+016.5	+015.9	+015.0
18.1250	+014.2	+013.3	+012.3	+011.2	+010.3
18.7500	+009.3	+008.4	+007.5	+006.6	+005.7
19.3750	+004.8	+004.1	+003.3	+002.7	+001.9
20.0000	+001.4	+001.2	+001.3	+001.7	+002.3
20.6250	+002.8	+003.2	+003.8	+004.1	+004.5
21.2500	+004.9	+005.2	+005.4	+005.5	+005.6
21.8750	+005.6	+005.5	+005.3	+005.1	+004.9
22.5000	+004.6	+004.2	+003.9	+003.4	+002.9
23.1250	+002.5	+001.9	+001.4	+001.0	+000.7
23.7500	+000.5	+000.5	+000.7	+001.0	+001.3
24.3750	+001.5	+001.6	+001.8	+002.0	+002.0
25.0000	+002.1	+002.1	+002.1	+002.0	+002.0
25.6250	+001.8	+001.6	+001.5	+001.4	+001.3
26.2500	+001.1	+001.1	+001.0	+001.1	+001.2
26.8750	+001.5	+001.8	+002.0	+002.3	+002.5
27.5000	+002.8	+003.1	+003.3	+003.6	+003.6
28.1250	+003.8	+004.0	+004.2	+004.3	+004.4
28.7500	+004.6	+004.6	+004.8	+004.8	+004.8
29.3750	+004.9	+004.9	+004.9	+004.8	+004.8
30.0000	+004.9	+004.9	+004.9	+004.9	+004.9
30.6250	+004.7	+004.8	+004.8	+004.8	+004.7
31.2500	+004.9	+004.8	+004.8	+004.8	+004.8
31.8750	+004.8	+004.8	+005.0	+004.9	+005.0
32.5000	+005.0	+005.0	+005.1	+005.1	+005.2
33.1250	+005.3	+005.3	+005.3	+005.4	+005.4
33.7500	+005.4	+005.4	+005.4	+005.4	+005.4
34.3750	+005.4	+005.4	+005.4	+005.3	+005.3
35.0000	+005.2	+005.1	+005.1	+005.0	+004.9
35.6250	+004.8	+004.7	+004.5	+004.5	+004.4
36.2500	+004.2	+004.1	+003.9	+003.9	+003.6
36.8750	+003.6	+003.5	+003.4	+003.2	+003.0

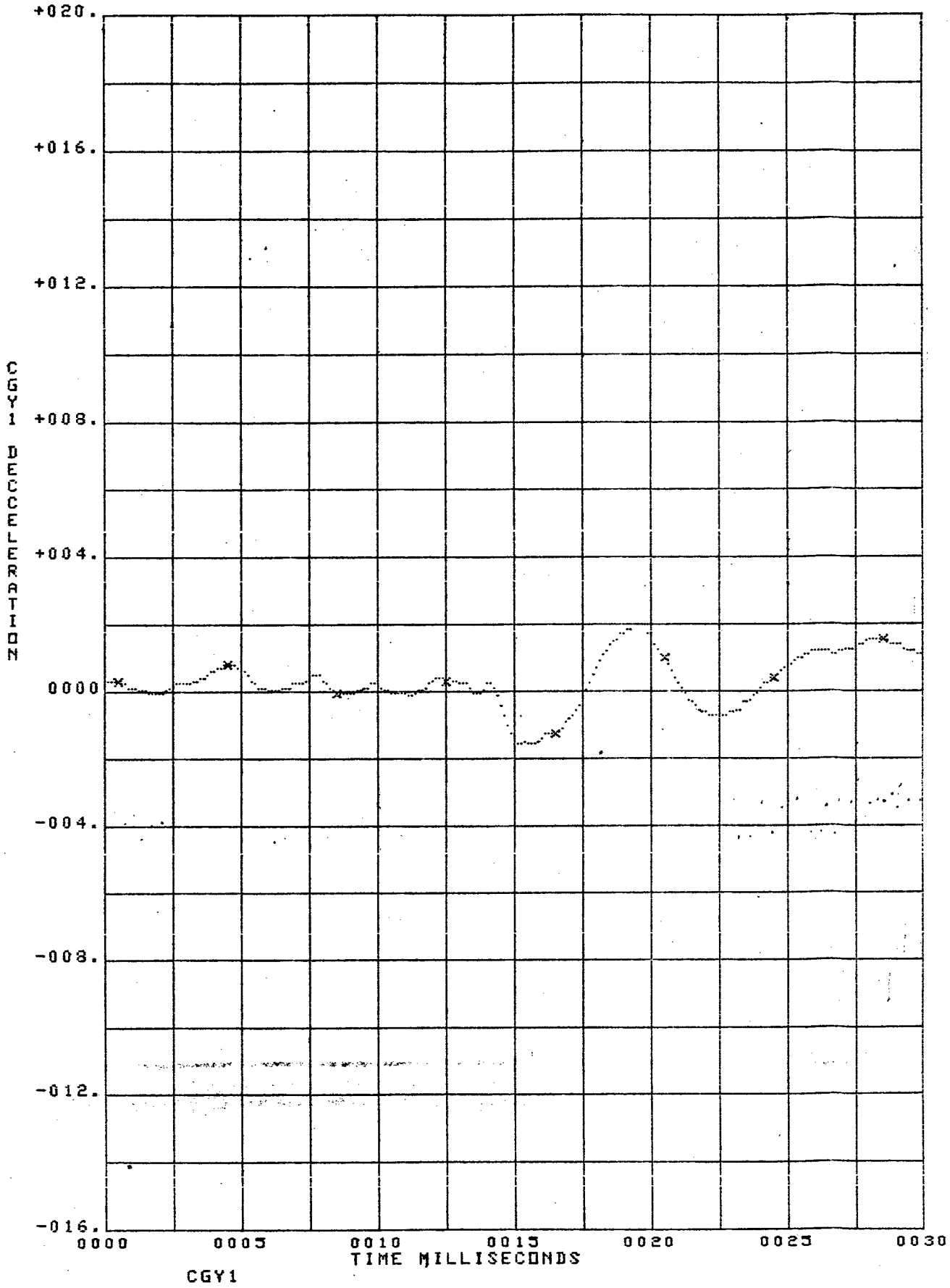
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C004		
37.5000	+002.9	+002.8	+002.7	+002.5	+002.4	
38.1250	+002.2	+002.1	+002.1	+002.0	+001.9	
38.7500	+001.9	+001.8	+001.8	+001.6	+001.6	
39.3750	+001.6	+001.6	+001.6	+001.6	+001.6	
40.0000	+001.7	+001.7	+001.7	+001.8	+001.8	
40.6250	+001.8	+001.9	+001.9	+002.0	+002.1	
41.2500	+002.1	+002.1	+002.1	+002.2	+002.2	
41.8750	+002.2	+002.2	+002.3	+002.3	+002.3	
42.5000	+002.3	+002.4	+002.4	+002.5	+002.5	
43.1250	+002.5	+002.5	+002.5	+002.5	+002.5	
43.7500	+002.5	+002.5	+002.5	+002.5	+002.5	
44.3750	+002.5	+002.5	+002.5	+002.6	+002.7	
45.0000	+002.7	+002.6	+002.7	+002.7	+002.7	
45.6250	+002.8	+002.8	+002.8	+002.8	+002.8	
46.2500	+002.8	+002.8	+002.8	+002.8	+002.8	
46.8750	+003.0	+003.0	+003.0	+003.0	+003.0	
47.5000	+003.1	+003.2	+003.2	+003.2	+003.2	
48.1250	+003.2	+003.2	+003.2	+003.2	+003.2	
48.7500	+003.2	+003.2	+003.2	+003.2	+003.2	
49.3750	+003.2	+003.2	+003.2	+003.2	+002.9	
50.0000	+003.0	+002.9	+002.8	+002.8	+002.8	
50.6250	+002.6	+002.5	+002.5	+002.5	+002.5	
51.2500	+002.4	+002.3	+002.2	+002.2	+002.2	
51.8750	+002.2	+002.1	+002.1	+002.0	+002.0	
52.5000	+001.9	+001.8	+001.8	+001.8	+001.8	
53.1250	+001.8	+001.7	+001.7	+001.6	+001.6	
53.7500	+001.6	+001.5	+001.6	+001.5	+001.6	
54.3750	+001.5	+001.5	+001.5	+001.5	+001.5	
55.0000	+001.5	+001.7	+001.7	+001.6	+001.6	
55.6250	+001.6	+001.6	+001.6	+001.6	+001.6	
56.2500	+001.7	+001.6	+001.7	+001.7	+001.8	
56.8750	+001.8	+001.8	+001.8	+001.8	+001.8	
57.5000	+001.8	+001.8	+001.8	+001.8	+001.8	
58.1250	+001.8	+001.8	+001.8	+001.8	+001.8	
58.7500	+001.8	+001.8	+001.8	+001.8	+001.8	
59.3750	+001.8	+001.8	+001.8	+001.8	+313.4	

AMAX= +073.5 AT T=009.7

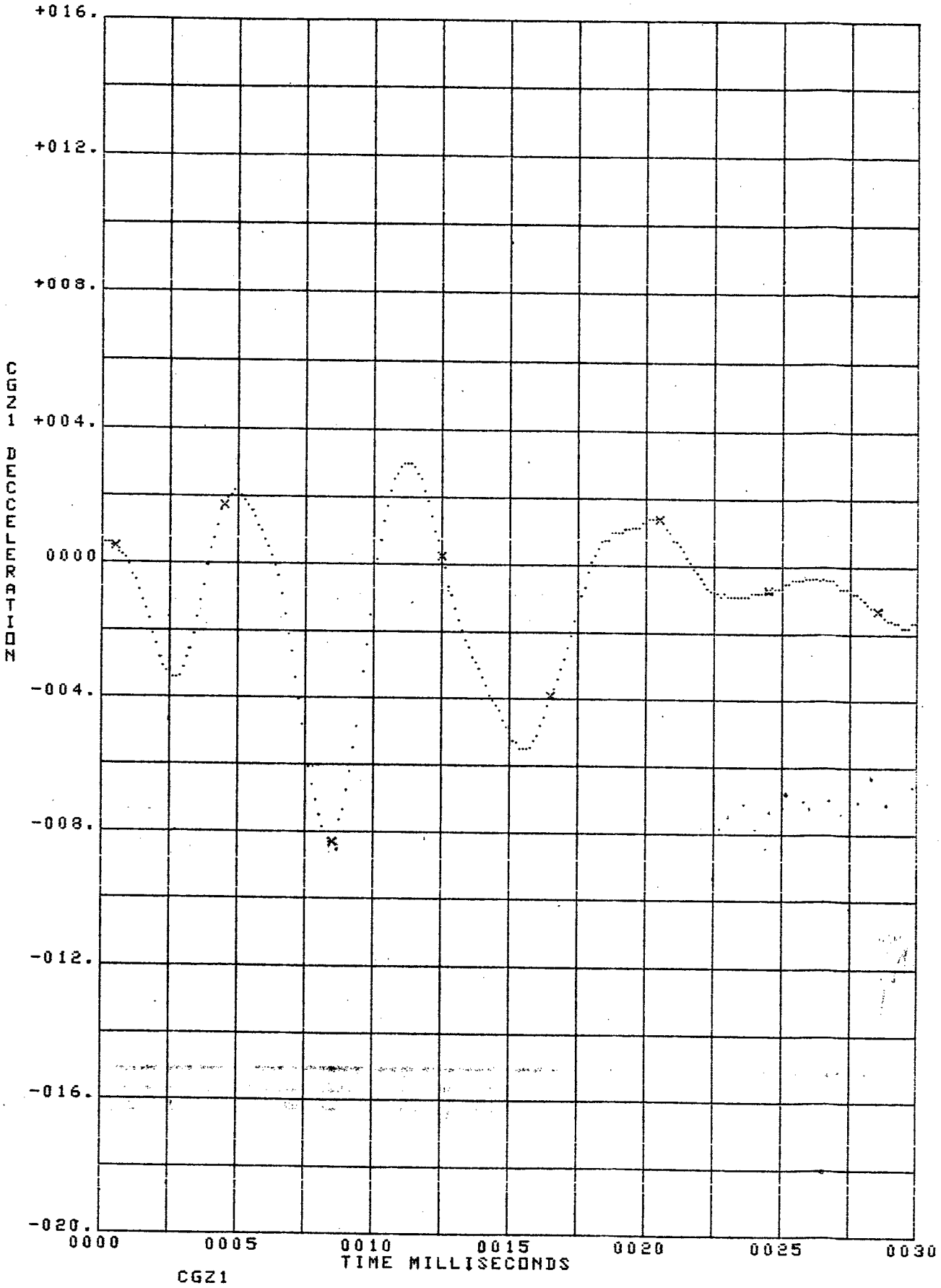
Chest Impact
Dummy No. 39, Run No. 1



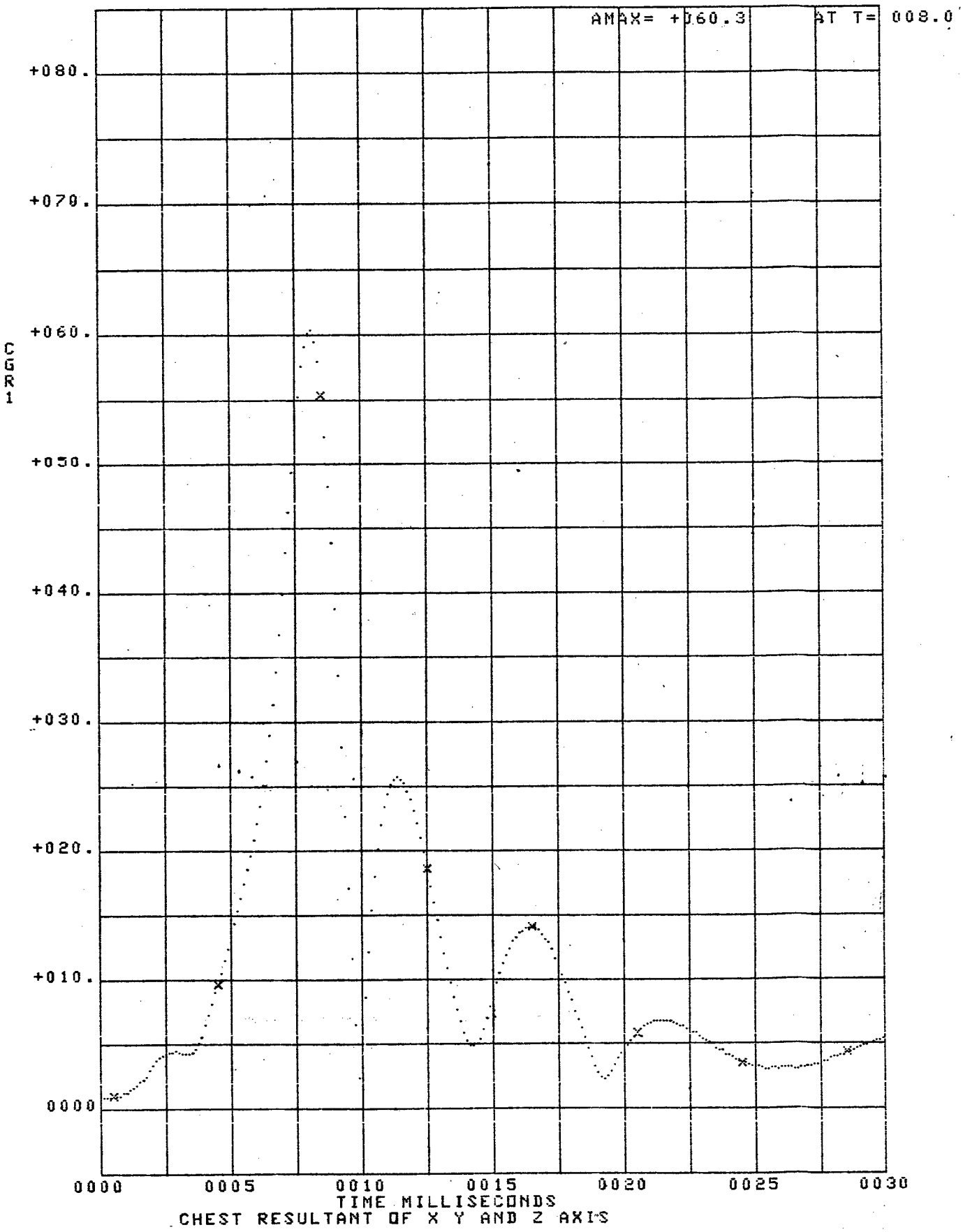
CHEST IMPACT
TEST C007



CHEST IMPACT
TEST C007



CHEST IMPACT
TEST C007



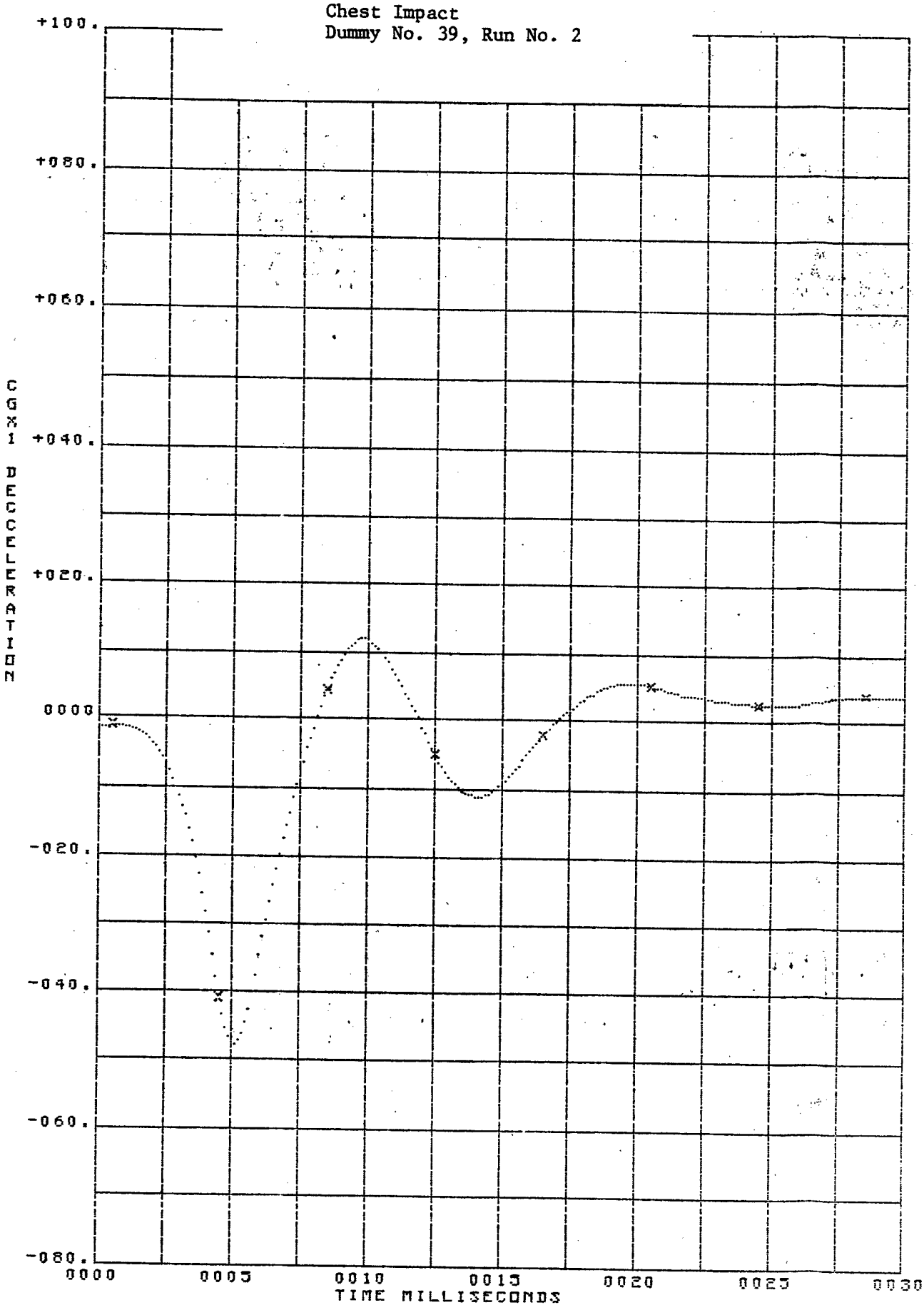
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C007

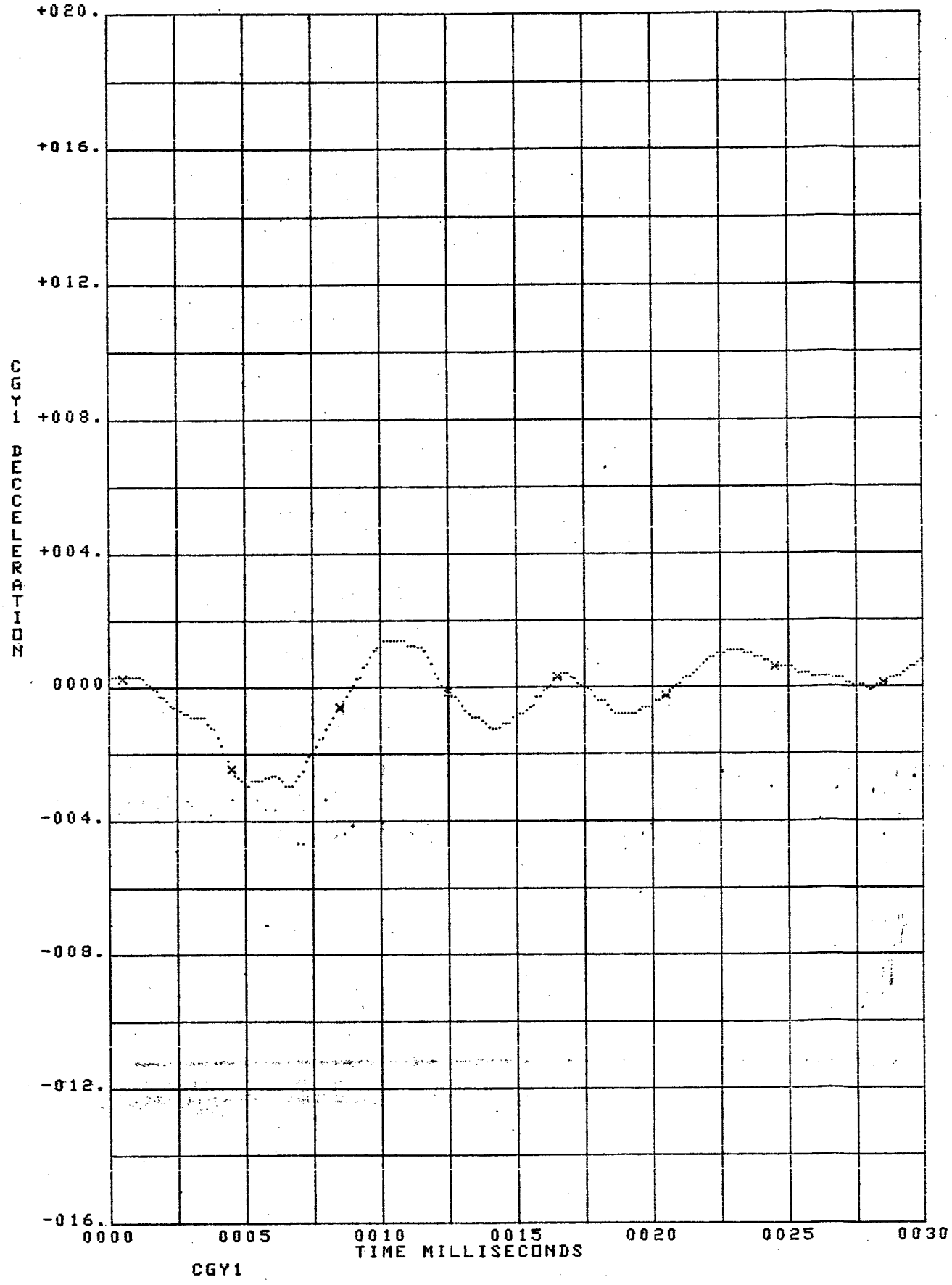
TIME					
0.0000	+000.3	+000.4	+000.3	+000.4	+000.4
0.6250	+000.6	+000.7	+000.8	+001.0	+001.2
1.2500	+001.4	+001.6	+001.8	+002.1	+002.5
1.8750	+002.8	+003.2	+003.5	+003.6	+003.9
2.5000	+003.9	+003.9	+004.0	+003.9	+003.8
3.1250	+003.8	+003.8	+003.9	+004.2	+004.6
3.7500	+005.2	+005.9	+006.8	+007.6	+008.4
4.3750	+009.1	+010.0	+010.9	+011.9	+012.9
5.0000	+013.8	+014.8	+015.9	+016.9	+018.0
5.6250	+019.1	+020.3	+021.6	+023.0	+024.6
6.2500	+026.5	+028.5	+030.9	+033.4	+036.4
6.8750	+039.6	+042.9	+046.1	+049.3	+052.5
7.5000	+055.2	+057.5	+059.1	+060.1	+060.3
8.1250	+059.5	+057.9	+055.4	+052.1	+048.1
8.7500	+043.6	+038.5	+033.2	+027.7	+022.1
9.3750	+016.6	+011.1	+006.0	+001.9	+004.1
10.0000	+008.2	+011.6	+014.9	+017.5	+019.6
10.6250	+021.4	+022.9	+023.9	+024.6	+025.0
11.2500	+025.2	+025.0	+024.7	+024.1	+023.4
11.8750	+022.6	+021.6	+020.5	+019.3	+018.0
12.5000	+016.7	+015.5	+014.1	+012.8	+011.5
13.1250	+010.3	+009.2	+008.2	+007.1	+006.2
13.7500	+005.4	+004.8	+004.4	+004.4	+004.5
14.3750	+004.9	+005.6	+006.5	+007.3	+008.3
15.0000	+009.3	+010.0	+010.8	+011.3	+011.9
15.6250	+012.4	+012.7	+013.1	+013.3	+013.5
16.2500	+013.5	+013.6	+013.5	+013.3	+013.0
16.8750	+012.7	+012.3	+011.8	+011.1	+010.6
17.5000	+009.9	+009.3	+008.5	+007.9	+007.1
18.1250	+006.4	+005.7	+005.0	+004.1	+003.5
18.7500	+002.8	+002.2	+001.9	+001.8	+002.0
19.3750	+002.4	+002.8	+003.3	+003.7	+004.1
20.0000	+004.4	+004.7	+005.0	+005.4	+005.6
20.6250	+005.8	+006.0	+006.1	+006.2	+006.2
21.2500	+006.3	+006.3	+006.3	+006.2	+006.1
21.8750	+006.0	+005.9	+005.8	+005.6	+005.6
22.5000	+005.4	+005.3	+005.1	+004.9	+004.7
23.1250	+004.6	+004.5	+004.2	+004.0	+004.0
23.7500	+003.7	+003.6	+003.5	+003.2	+003.2
24.3750	+003.0	+003.0	+002.9	+002.8	+002.7
25.0000	+002.7	+002.6	+002.5	+002.5	+002.6
25.6250	+002.6	+002.5	+002.6	+002.6	+002.6
26.2500	+002.6	+002.5	+002.5	+002.6	+002.6
26.8750	+002.7	+002.8	+002.9	+002.9	+002.9
27.5000	+003.2	+003.2	+003.3	+003.4	+003.5
28.1250	+003.6	+003.6	+003.9	+003.9	+004.0
28.7500	+004.2	+004.3	+004.4	+004.4	+004.6
29.3750	+004.6	+004.7	+004.8	+004.8	+004.9
30.0000	+005.0	+005.0	+005.0	+005.0	+005.1
30.6250	+005.2	+005.1	+005.2	+005.1	+005.1
31.2500	+005.2	+005.2	+005.2	+005.1	+005.1
31.8750	+005.1	+005.1	+005.1	+005.0	+004.9
32.5000	+004.9	+004.8	+004.7	+004.6	+004.6
33.1250	+004.5	+004.4	+004.3	+004.3	+004.1
33.7500	+004.0	+004.0	+003.9	+003.8	+003.8
34.3750	+003.8	+003.6	+003.6	+003.6	+003.5
35.0000	+003.5	+003.5	+003.5	+003.5	+003.3
35.6250	+003.3	+003.3	+003.3	+003.3	+003.3
36.2500	+003.3	+003.3	+003.3	+003.3	+003.2
36.8750	+003.2	+003.2	+003.2	+003.2	+003.2

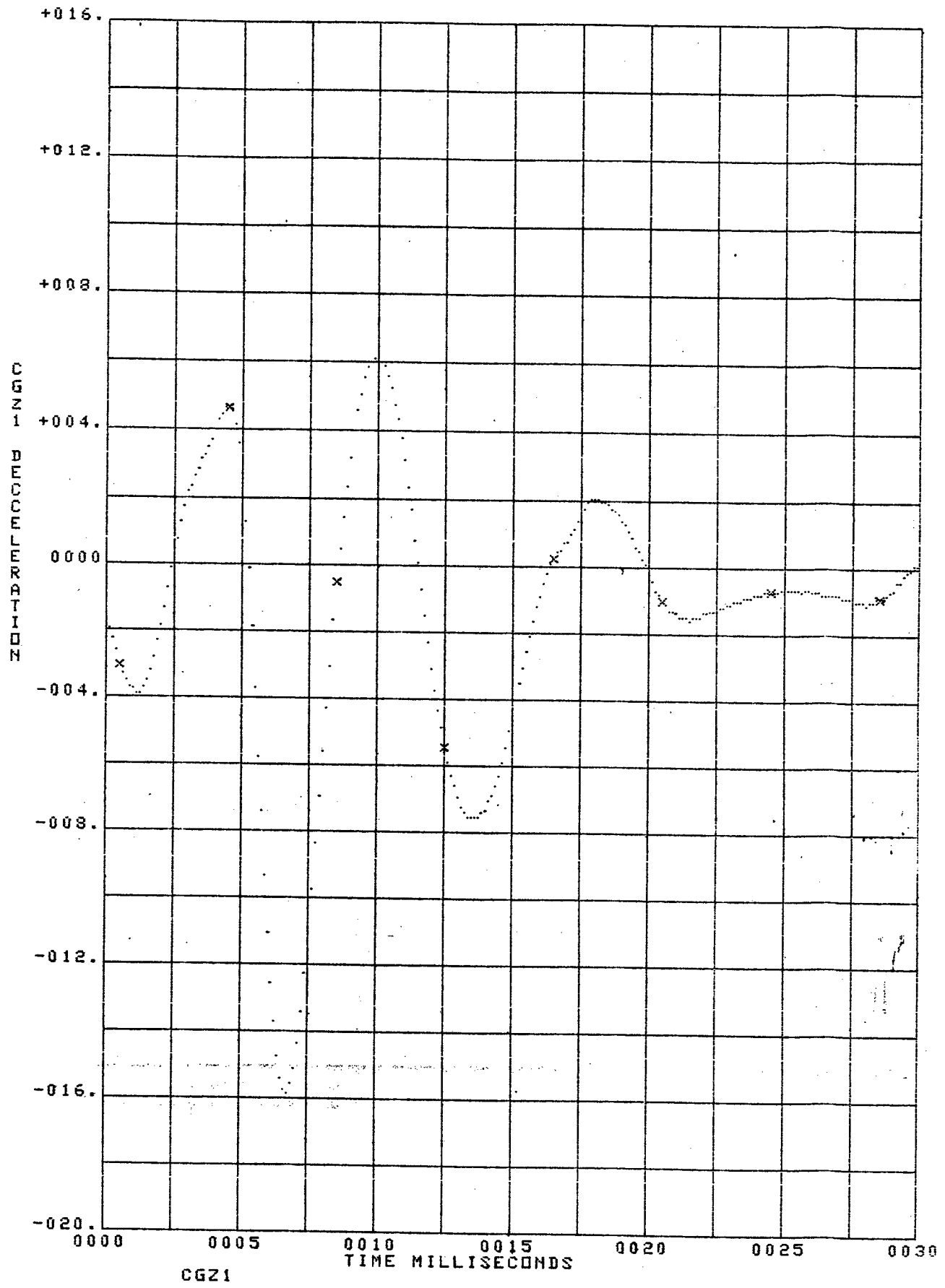
RESULTANT (CGR1)	BF	CGX1	CGY1	CGZ1	C007		
37.5000		+003.0	+003.0	+003.1	+003.0	+003.2	
38.1250		+003.0	+003.0	+003.0	+003.0	+003.0	
38.7500		+003.0	+003.0	+003.0	+003.0	+003.0	
39.3750		+003.0	+002.8	+002.9	+002.9	+002.8	
40.0000		+002.9	+002.9	+002.8	+002.8	+002.6	
40.6250		+002.6	+002.6	+002.6	+002.6	+002.5	
41.2500		+002.4	+002.4	+002.3	+002.3	+002.3	
41.8750		+002.2	+002.2	+002.3	+002.2	+002.2	
42.5000		+002.1	+002.1	+002.1	+002.1	+002.1	
43.1250		+002.1	+002.1	+002.1	+002.1	+002.1	
43.7500		+002.1	+002.1	+002.1	+002.1	+002.1	
44.3750		+002.0	+002.0	+002.1	+002.1	+002.1	
45.0000		+002.2	+002.2	+002.2	+002.2	+002.3	
45.6250		+002.3	+002.4	+002.4	+002.5	+002.5	
46.2500		+002.6	+002.6	+002.6	+002.6	+002.7	
46.8750		+002.7	+002.7	+002.7	+002.7	+002.7	
47.5000		+002.8	+002.7	+002.8	+002.7	+002.8	
48.1250		+002.8	+002.8	+002.8	+002.7	+002.7	
48.7500		+002.7	+002.7	+002.7	+002.7	+002.7	
49.3750		+002.6	+002.6	+002.5	+002.6	+002.5	
50.0000		+002.5	+002.4	+002.4	+002.4	+002.3	
50.6250		+002.4	+002.4	+002.3	+002.3	+002.2	
51.2500		+002.2	+002.2	+002.2	+002.2	+002.2	
51.8750		+002.2	+002.2	+002.2	+002.1	+002.2	
52.5000		+002.1	+002.1	+002.2	+002.2	+002.3	
53.1250		+002.2	+002.3	+002.3	+002.3	+002.3	
53.7500		+002.3	+002.3	+002.3	+002.3	+002.3	
54.3750		+002.3	+002.3	+002.3	+002.2	+002.4	
55.0000		+002.3	+002.4	+002.4	+002.4	+002.4	
55.6250		+002.4	+002.4	+002.4	+002.5	+002.5	
56.2500		+002.5	+002.5	+002.5	+002.5	+002.5	
56.8750		+002.5	+002.5	+002.5	+002.4	+002.4	
57.5000		+002.4	+002.4	+002.4	+002.4	+002.3	
58.1250		+002.3	+002.3	+002.2	+002.2	+002.2	
58.7500		+002.1	+002.2	+002.2	+002.2	+002.1	
59.3750		+002.1	+002.1	+002.1	+002.1	+313.4	

AMAX= +060.3 AT T=008.0

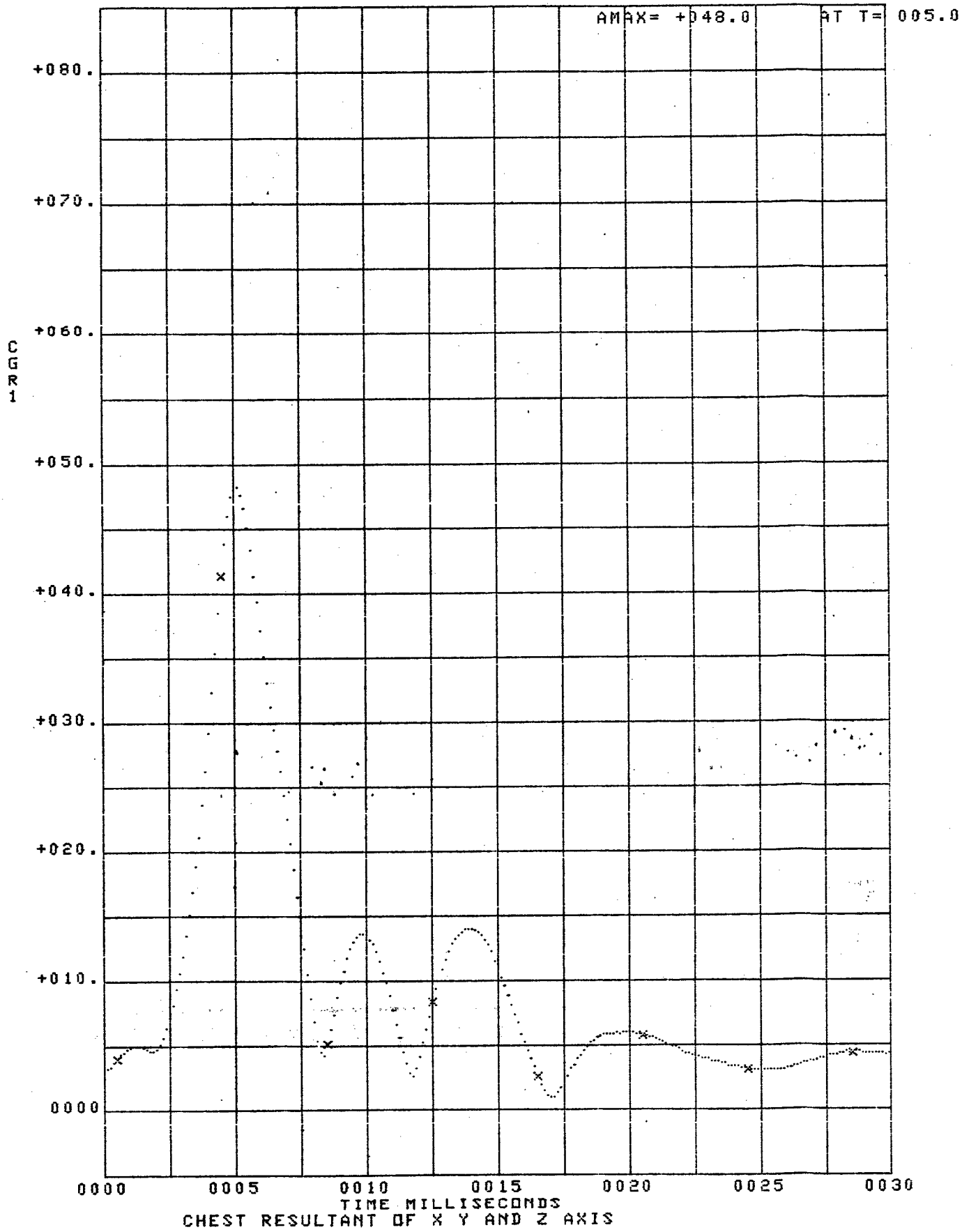
Chest Impact
Dummy No. 39, Run No. 2




CHEST IMPACT
TEST C008
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1


CHEST IMPACT
TEST C008
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1

CHEST IMPACT
TEST C008



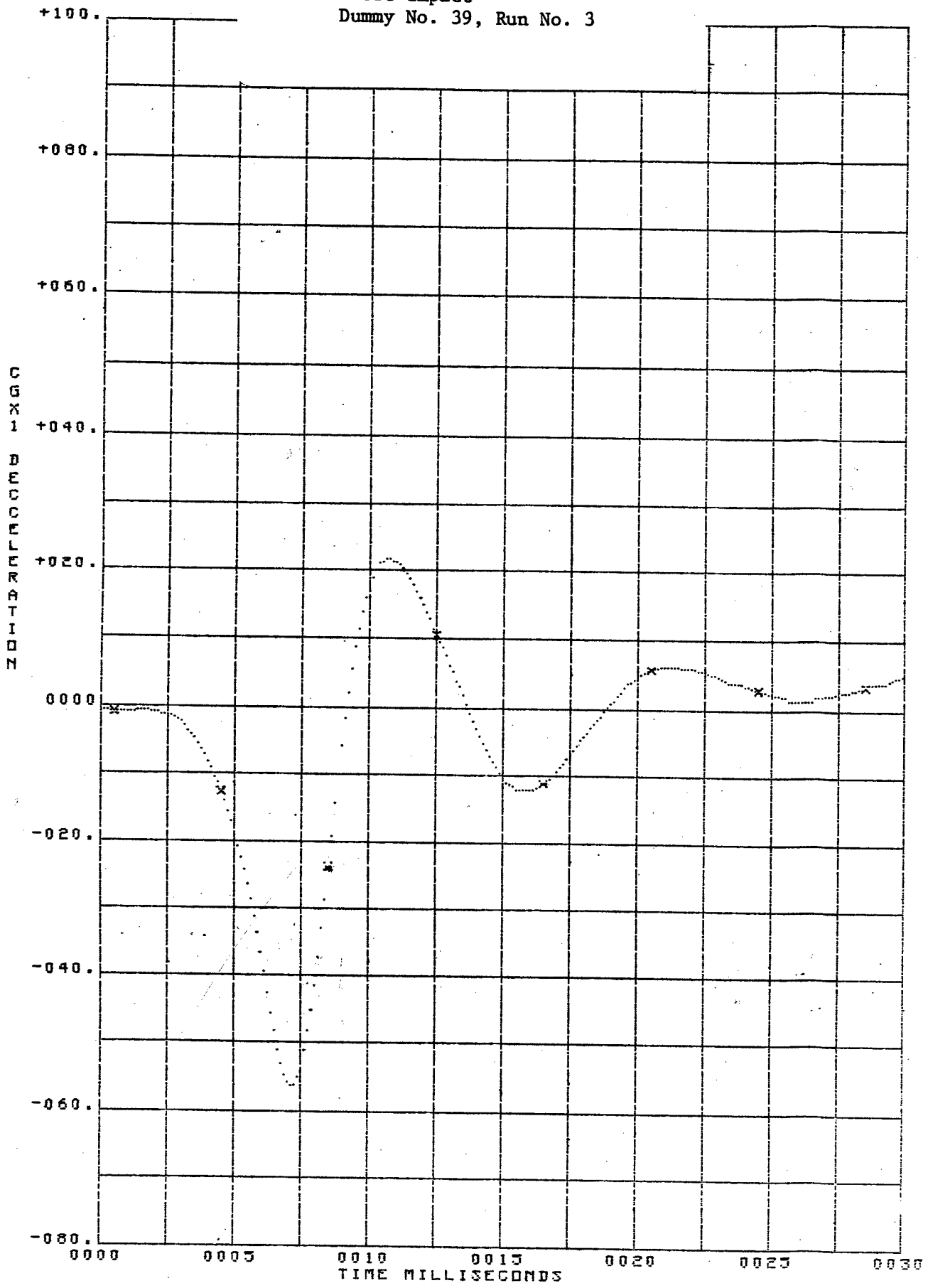
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C008

TIME					
0.0000	+002.7	+002.9	+003.2	+003.6	+003.9
0.6250	+004.1	+004.3	+004.4	+004.5	+004.6
1.2500	+004.5	+004.4	+004.3	+004.2	+004.1
1.8750	+004.3	+004.6	+005.2	+005.8	+006.7
2.5000	+007.7	+008.8	+010.1	+011.5	+013.0
3.1250	+014.5	+016.3	+018.3	+020.5	+023.1
3.7500	+025.7	+028.7	+031.9	+035.0	+038.2
4.3750	+041.1	+043.6	+045.8	+047.3	+048.0
5.0000	+048.0	+047.5	+046.5	+044.9	+043.1
5.6250	+041.1	+039.0	+036.8	+034.7	+032.7
6.2500	+030.9	+029.1	+027.3	+025.6	+023.8
6.8750	+021.9	+020.0	+018.1	+016.0	+014.0
7.5000	+012.0	+010.0	+008.1	+006.4	+004.9
8.1250	+004.0	+003.7	+004.6	+005.8	+006.9
8.7500	+008.2	+009.4	+010.3	+011.2	+011.9
9.3750	+012.5	+012.9	+013.1	+013.1	+013.0
10.0000	+012.6	+012.3	+011.7	+011.0	+010.1
10.6250	+009.3	+008.3	+007.3	+006.1	+005.2
11.2500	+004.0	+003.1	+002.4	+002.2	+002.8
11.8750	+003.6	+004.7	+005.8	+006.8	+007.9
12.5000	+008.9	+009.5	+010.3	+011.1	+011.7
13.1250	+012.3	+012.7	+013.0	+013.3	+013.5
13.7500	+013.5	+013.5	+013.4	+013.3	+013.0
14.3750	+012.6	+012.2	+011.7	+011.0	+010.4
15.0000	+009.7	+009.1	+008.4	+007.7	+006.9
15.6250	+006.2	+005.4	+004.8	+004.1	+003.5
16.2500	+002.8	+002.1	+001.5	+001.1	+000.7
16.8750	+000.5	+000.6	+000.9	+001.3	+001.8
17.5000	+002.2	+002.7	+003.0	+003.5	+003.7
18.1250	+004.1	+004.3	+004.7	+004.9	+005.1
18.7500	+005.2	+005.4	+005.4	+005.4	+005.4
19.3750	+005.4	+005.4	+005.5	+005.5	+005.4
20.0000	+005.5	+005.4	+005.4	+005.3	+005.2
20.6250	+005.2	+005.1	+005.0	+004.8	+004.8
21.2500	+004.6	+004.6	+004.4	+004.3	+004.3
21.8750	+004.0	+003.9	+003.9	+003.8	+003.7
22.5000	+003.6	+003.5	+003.5	+003.5	+003.2
23.1250	+003.2	+003.2	+003.1	+003.1	+002.9
23.7500	+002.9	+002.9	+002.8	+002.8	+002.7
24.3750	+002.6	+002.6	+002.6	+002.6	+002.6
25.0000	+002.6	+002.6	+002.6	+002.6	+002.6
25.6250	+002.7	+002.7	+002.7	+002.7	+002.8
26.2500	+002.9	+003.0	+003.1	+003.1	+003.2
26.8750	+003.2	+003.4	+003.5	+003.5	+003.6
27.5000	+003.7	+003.8	+003.8	+003.9	+003.9
28.1250	+004.0	+003.9	+003.9	+004.0	+004.0
28.7500	+003.9	+003.9	+003.9	+003.9	+003.9
29.3750	+003.9	+003.9	+003.8	+003.9	+003.8
30.0000	+003.9	+003.9	+003.9	+003.8	+003.8
30.6250	+003.8	+003.8	+003.8	+003.8	+003.8
31.2500	+003.6	+003.6	+003.6	+003.5	+003.5
31.8750	+003.5	+003.5	+003.3	+003.3	+003.3
32.5000	+003.3	+003.3	+003.3	+003.3	+003.3
33.1250	+003.2	+003.3	+003.3	+003.2	+003.2
33.7500	+003.2	+003.2	+003.2	+003.2	+003.2
34.3750	+003.2	+003.2	+003.2	+003.2	+003.2
35.0000	+003.0	+003.0	+003.0	+003.0	+003.0
35.6250	+003.0	+003.0	+003.0	+003.0	+003.0
36.2500	+002.8	+002.8	+002.8	+002.8	+002.8
36.8750	+002.8	+002.8	+002.8	+002.7	+002.7

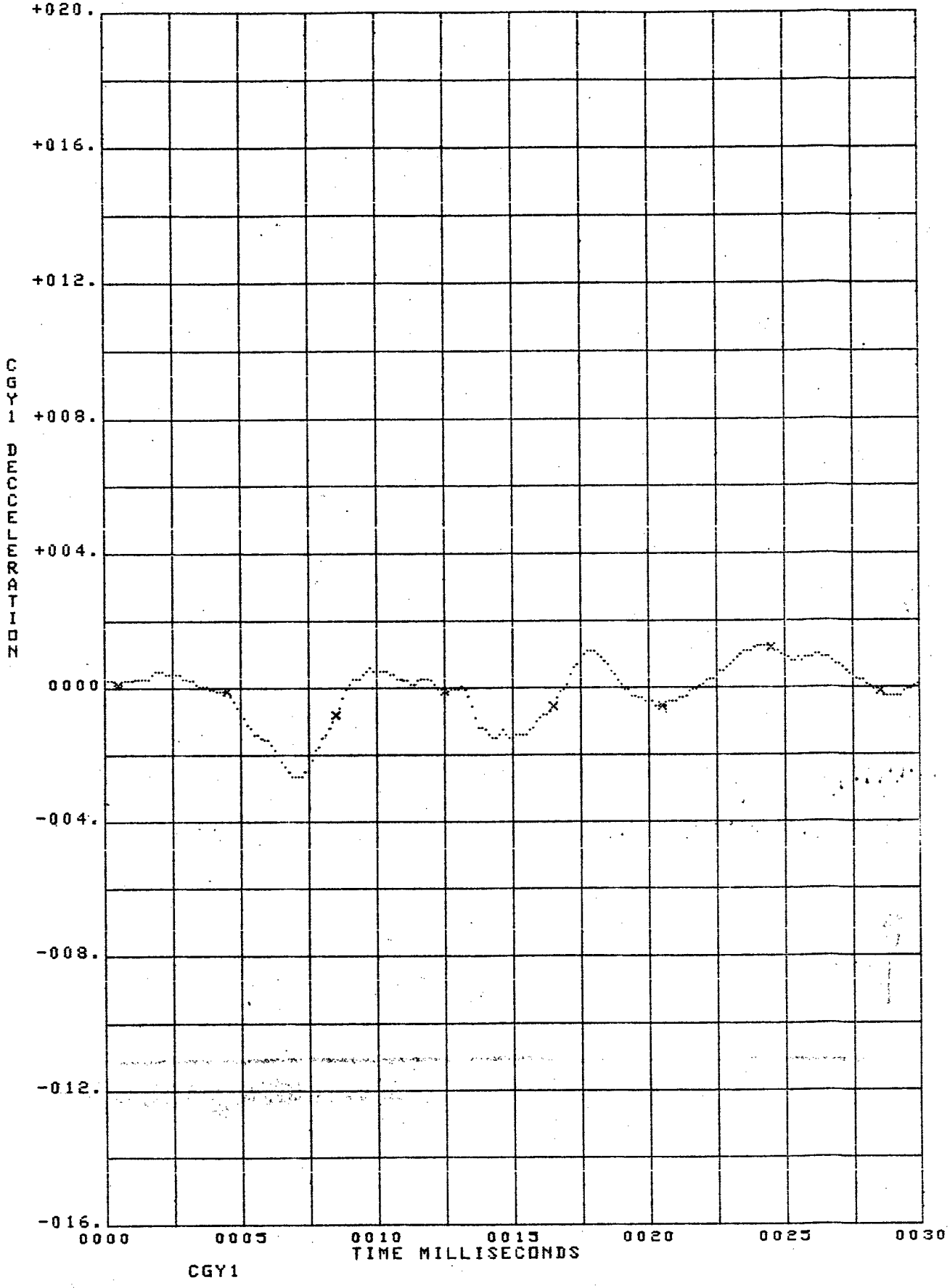
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C008		
37.5000	+002.7	+002.5	+002.5	+002.5	+002.5	
38.1250	+002.5	+002.4	+002.4	+002.3	+002.3	
38.7500	+002.2	+002.1	+002.1	+002.1	+002.1	
39.3750	+002.1	+001.9	+002.1	+001.9	+002.0	
40.0000	+001.9	+001.9	+001.8	+001.8	+001.8	
40.6250	+001.8	+001.8	+001.8	+001.7	+001.7	
41.2500	+001.7	+001.7	+001.7	+001.7	+001.7	
41.8750	+001.7	+001.8	+001.7	+001.8	+001.8	
42.5000	+001.8	+001.8	+002.0	+002.0	+002.0	
43.1250	+002.0	+002.0	+002.0	+002.1	+002.1	
43.7500	+002.1	+002.2	+002.2	+002.2	+002.2	
44.3750	+002.3	+002.3	+002.3	+002.3	+002.3	
45.0000	+002.4	+002.4	+002.4	+002.4	+002.4	
45.6250	+002.4	+002.4	+002.5	+002.5	+002.5	
46.2500	+002.5	+002.5	+002.5	+002.5	+002.5	
46.8750	+002.5	+002.5	+002.5	+002.5	+002.4	
47.5000	+002.4	+002.3	+002.3	+002.3	+002.2	
48.1250	+002.2	+002.1	+002.1	+002.1	+002.0	
48.7500	+002.0	+002.0	+002.0	+001.9	+001.9	
49.3750	+001.9	+001.8	+001.8	+001.8	+001.8	
50.0000	+001.9	+001.9	+001.9	+001.9	+001.9	
50.6250	+001.9	+001.9	+001.9	+001.9	+001.9	
51.2500	+001.8	+001.8	+001.7	+001.7	+001.7	
51.8750	+001.7	+001.7	+001.6	+001.6	+001.7	
52.5000	+001.6	+001.6	+001.6	+001.6	+001.7	
53.1250	+001.7	+001.6	+001.7	+001.7	+001.7	
53.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
54.3750	+001.7	+001.7	+001.7	+001.7	+001.7	
55.0000	+001.7	+001.8	+001.8	+001.8	+001.8	
55.6250	+001.8	+001.8	+001.8	+001.8	+001.7	
56.2500	+001.7	+001.8	+001.8	+001.7	+001.7	
56.8750	+001.8	+001.8	+001.8	+001.8	+001.8	
57.5000	+001.8	+001.8	+001.8	+001.8	+001.8	
58.1250	+001.7	+001.7	+001.7	+001.7	+001.7	
58.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
59.3750	+001.7	+001.7	+001.5	+001.5	+313.4	

AMAX= +048.0 AT T=005.0

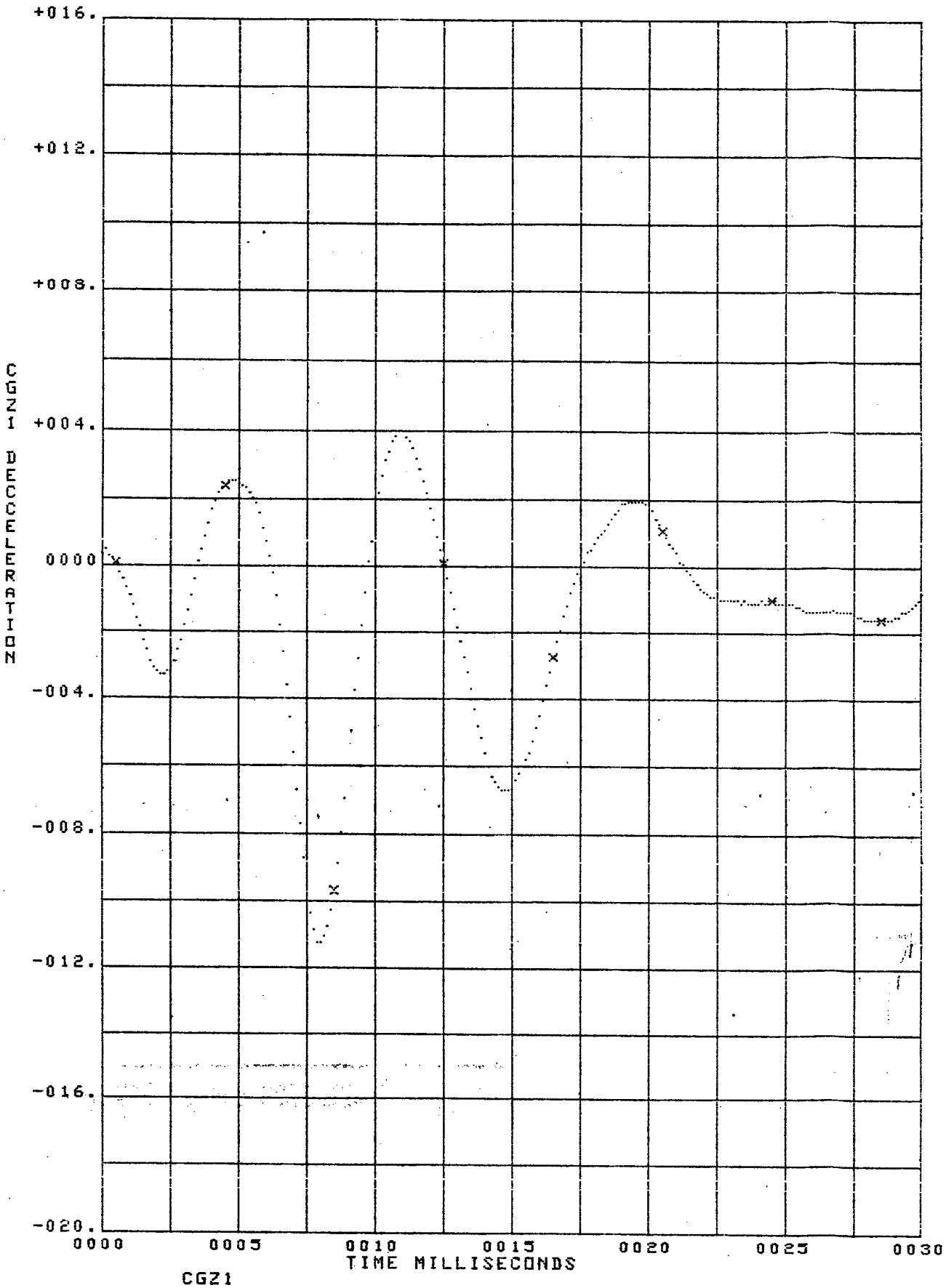
Chest Impact
Dummy No. 39, Run No. 3



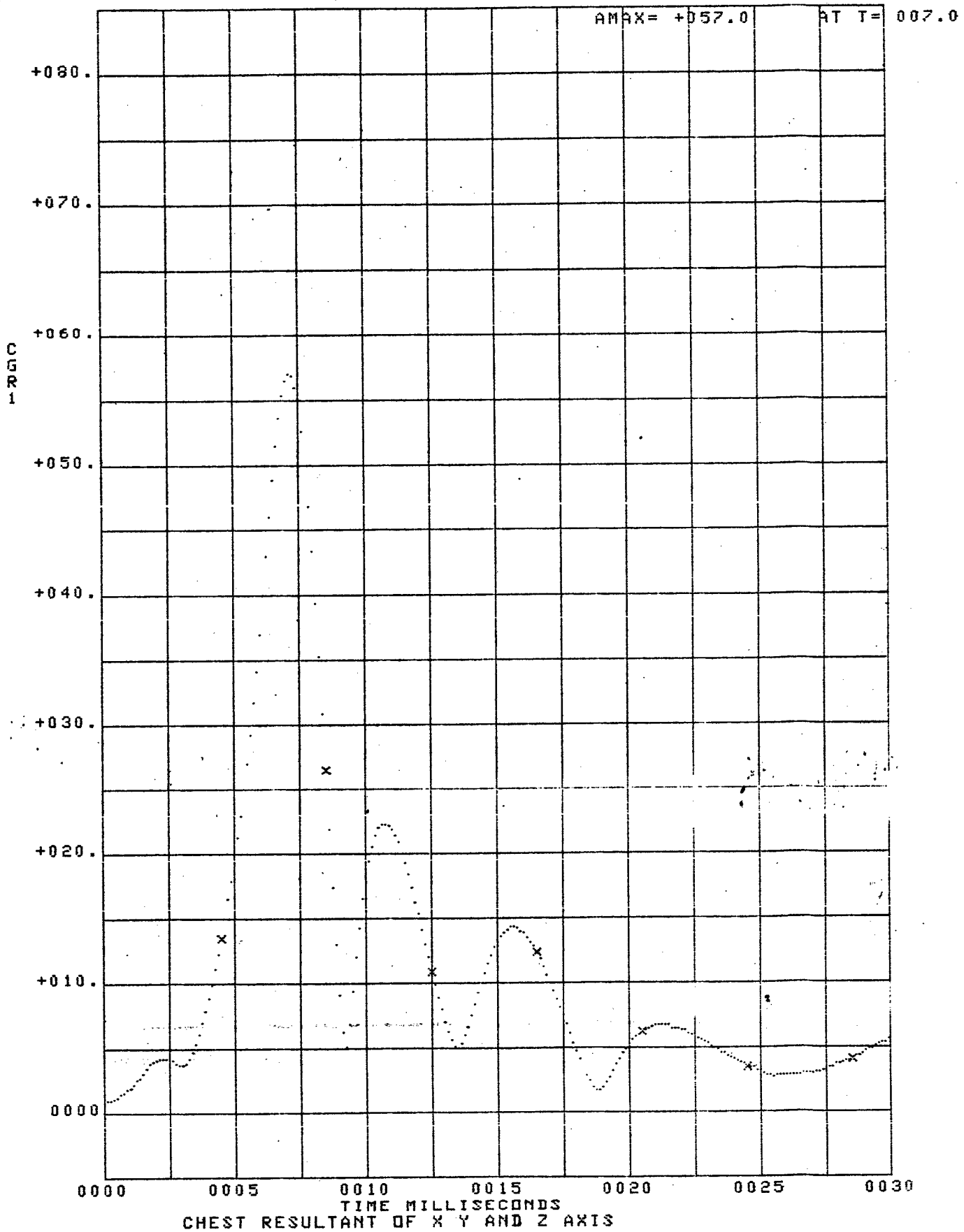
CHEST IMPACT
TEST C009



CHEST IMPACT
TEST C009



CHEST IMPACT
TEST C009

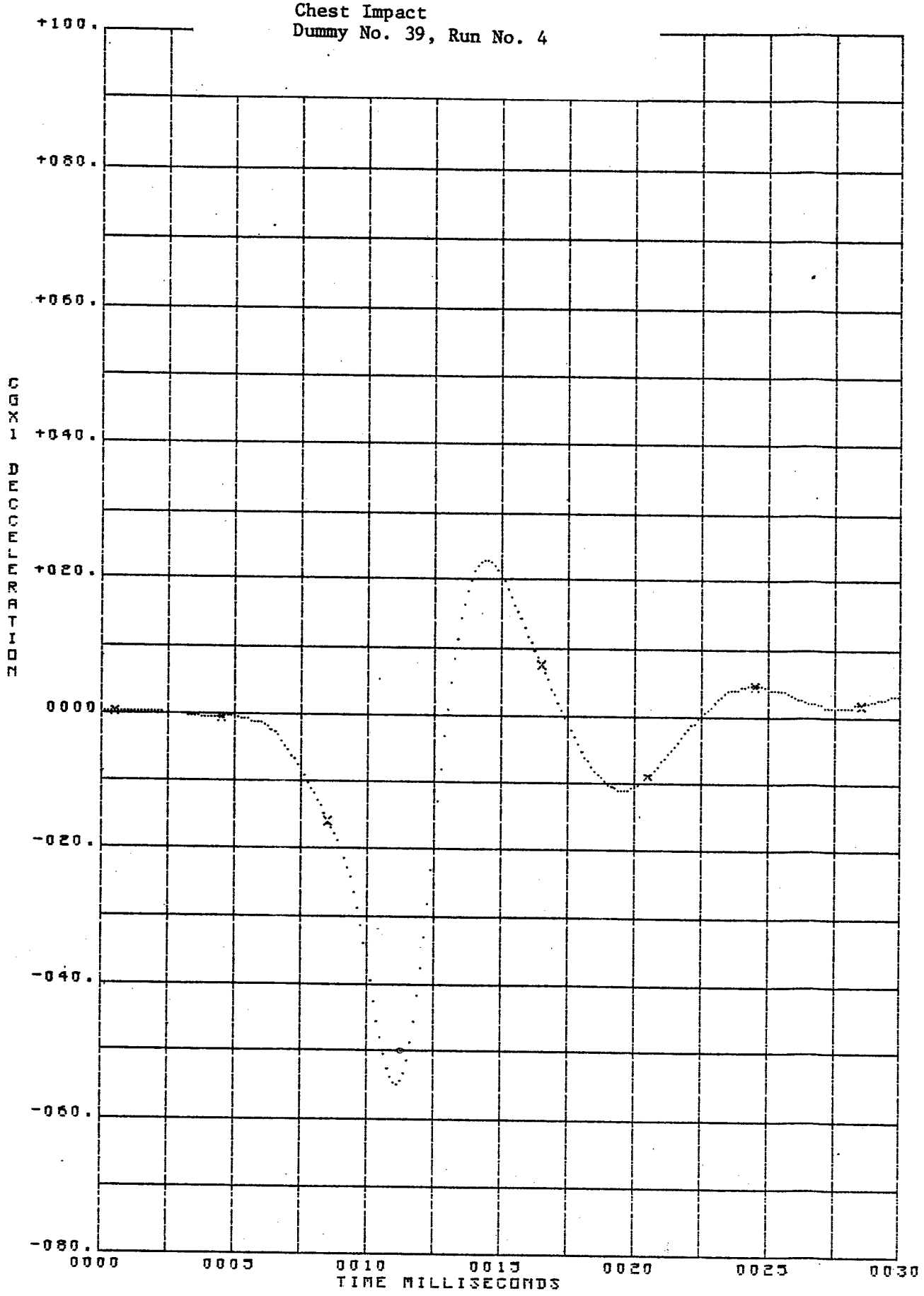


RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 08C009

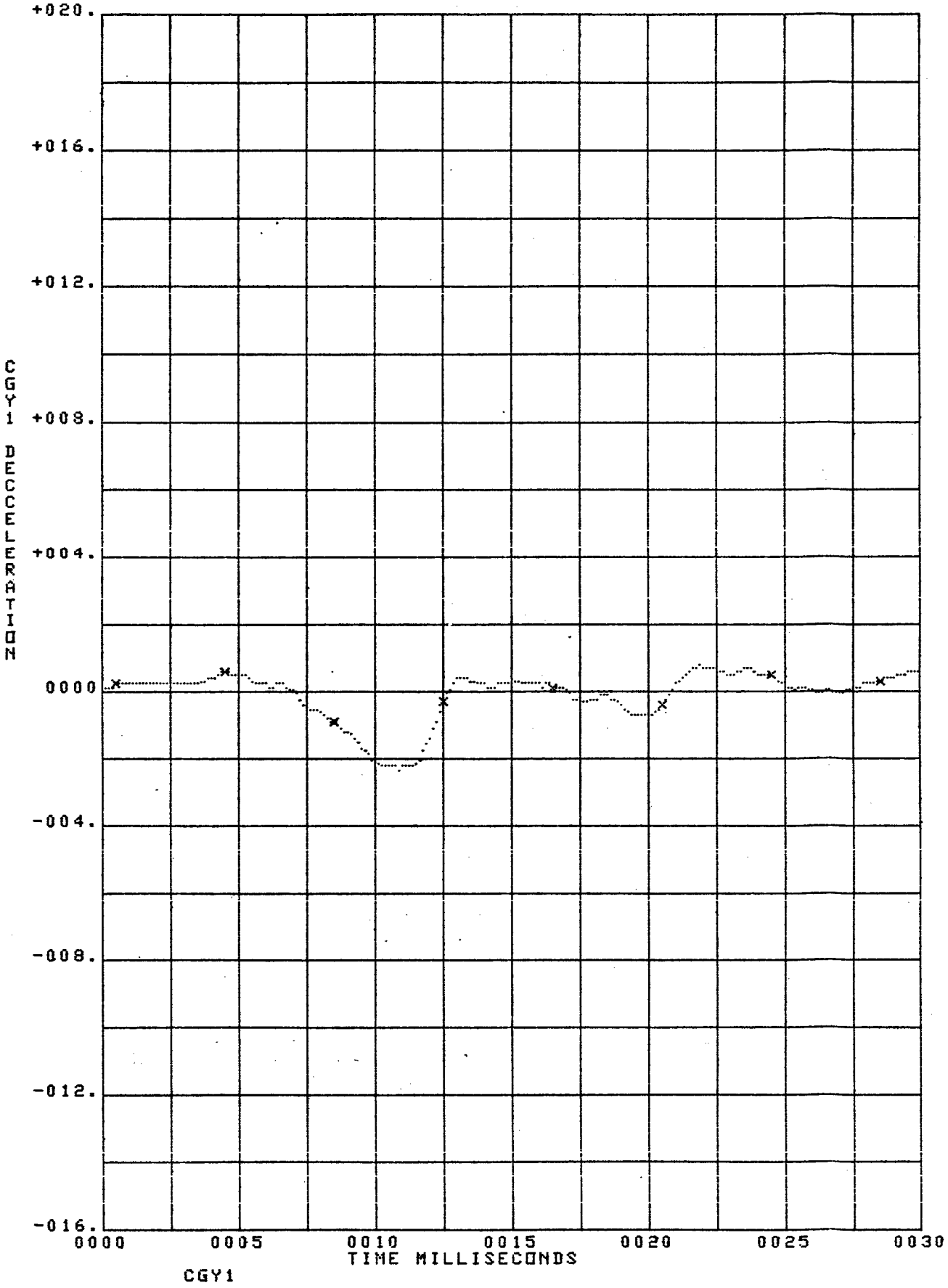
TIME					
0.0000	+000.4	+000.6	+000.7	+000.8	+001.1
0.6250	+001.2	+001.4	+001.5	+001.7	+002.1
1.2500	+002.3	+002.7	+003.0	+003.4	+003.6
1.8750	+003.7	+003.8	+003.8	+003.8	+003.7
2.5000	+003.6	+003.4	+003.3	+003.2	+003.4
3.1250	+003.7	+004.3	+004.8	+005.6	+006.5
3.7500	+007.4	+008.3	+009.4	+010.6	+011.8
4.3750	+013.0	+014.4	+015.9	+017.4	+019.0
5.0000	+020.7	+022.5	+024.5	+026.5	+028.7
5.6250	+031.3	+033.7	+036.6	+039.6	+042.7
6.2500	+045.8	+048.7	+051.4	+053.6	+055.4
6.8750	+056.4	+057.0	+056.8	+056.0	+054.6
7.5000	+052.5	+049.9	+046.6	+043.1	+039.1
8.1250	+034.8	+030.4	+025.9	+021.3	+016.8
8.7500	+012.5	+008.6	+005.7	+004.6	+006.3
9.3750	+008.9	+011.5	+013.7	+015.9	+017.6
10.0000	+018.9	+020.0	+020.8	+021.4	+021.7
10.6250	+021.7	+021.6	+021.3	+020.8	+020.3
11.2500	+019.5	+018.7	+017.8	+016.8	+015.8
11.8750	+014.8	+013.6	+012.5	+011.4	+010.3
12.5000	+009.4	+008.4	+007.5	+006.6	+005.7
13.1250	+005.1	+004.6	+004.5	+004.9	+005.4
13.7500	+006.1	+007.0	+007.9	+008.8	+009.5
14.3750	+010.2	+010.9	+011.6	+012.2	+012.7
15.0000	+013.2	+013.4	+013.6	+013.8	+013.9
15.6250	+013.7	+013.5	+013.3	+013.0	+012.7
16.2500	+012.3	+011.8	+011.3	+010.8	+010.1
16.8750	+009.5	+008.8	+008.3	+007.6	+007.0
17.5000	+006.3	+005.6	+004.9	+004.3	+003.6
18.1250	+003.1	+002.4	+002.0	+001.5	+001.3
18.7500	+001.3	+001.6	+001.8	+002.3	+002.7
19.3750	+003.2	+003.6	+004.1	+004.4	+004.7
20.0000	+005.1	+005.4	+005.5	+005.7	+005.8
20.6250	+006.0	+006.1	+006.2	+006.2	+006.2
21.2500	+006.2	+006.2	+006.0	+006.0	+006.0
21.8750	+005.8	+005.8	+005.6	+005.5	+005.3
22.5000	+005.3	+005.1	+005.0	+004.8	+004.6
23.1250	+004.5	+004.3	+004.1	+004.2	+003.9
23.7500	+003.8	+003.7	+003.5	+003.4	+003.2
24.3750	+003.0	+003.0	+002.9	+002.8	+002.7
25.0000	+002.5	+002.4	+002.4	+002.3	+002.3
25.6250	+002.4	+002.3	+002.3	+002.4	+002.4
26.2500	+002.4	+002.4	+002.5	+002.5	+002.5
26.8750	+002.5	+002.6	+002.6	+002.7	+002.8
27.5000	+002.9	+003.0	+003.2	+003.2	+003.3
28.1250	+003.4	+003.6	+003.6	+003.9	+003.9
28.7500	+004.0	+004.2	+004.3	+004.4	+004.6
29.3750	+004.7	+004.8	+004.9	+005.1	+005.1
30.0000	+005.3	+005.4	+005.5	+005.6	+005.7
30.6250	+005.7	+005.8	+005.8	+005.8	+005.8
31.2500	+005.8	+005.7	+005.7	+005.6	+005.5
31.8750	+005.4	+005.3	+005.2	+005.1	+004.9
32.5000	+004.8	+004.7	+004.6	+004.4	+004.3
33.1250	+004.1	+004.0	+003.9	+003.8	+003.8
33.7500	+003.6	+003.5	+003.5	+003.3	+003.3
34.3750	+003.2	+003.2	+003.0	+003.0	+002.8
35.0000	+002.8	+002.8	+002.8	+002.8	+002.8
35.6250	+002.8	+002.7	+002.7	+002.7	+002.7
36.2500	+002.5	+002.5	+002.5	+002.5	+002.5
36.8750	+002.5	+002.5	+002.5	+002.4	+002.4

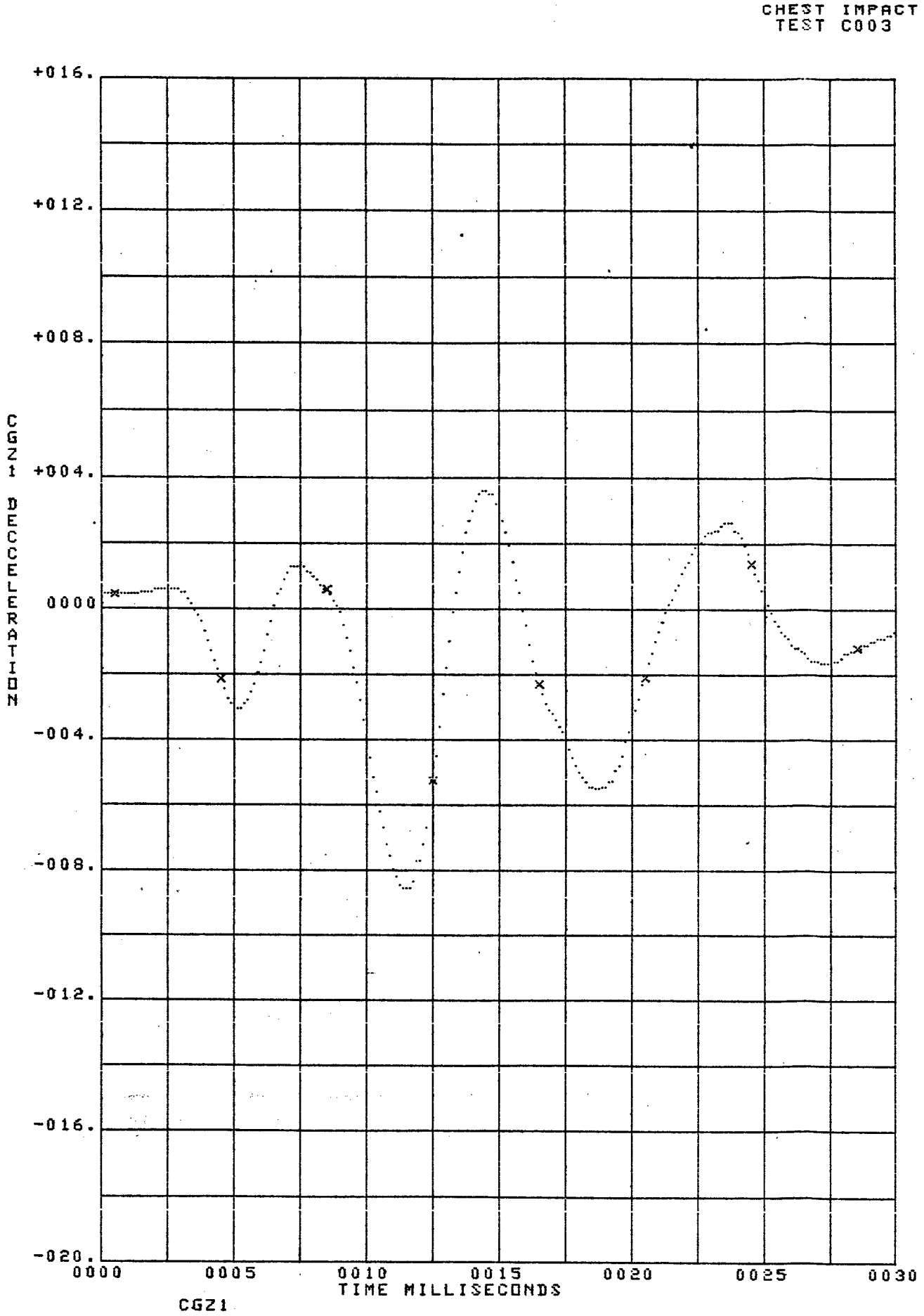
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	08C009		
37.5000	+002.4	+002.4	+002.4	+002.4	+002.4	
38.1250	+002.3	+002.3	+002.1	+002.1	+002.1	
38.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
39.3750	+002.0	+002.0	+002.0	+002.0	+002.0	
40.0000	+001.9	+001.9	+001.9	+001.8	+001.9	
40.6250	+001.8	+001.8	+001.8	+001.8	+001.8	
41.2500	+001.8	+001.7	+001.7	+001.7	+001.7	
41.8750	+001.7	+001.7	+001.7	+001.7	+001.7	
42.5000	+001.7	+001.7	+001.7	+001.7	+001.7	
43.1250	+001.7	+001.7	+001.7	+001.6	+001.6	
43.7500	+001.6	+001.7	+001.7	+001.7	+001.6	
44.3750	+001.6	+001.6	+001.6	+001.6	+001.6	
45.0000	+001.6	+001.6	+001.7	+001.7	+001.7	
45.6250	+001.7	+001.7	+001.8	+001.8	+001.8	
46.2500	+001.8	+001.9	+002.0	+002.0	+002.0	
46.8750	+002.0	+002.0	+002.1	+002.1	+002.1	
47.5000	+002.1	+002.1	+002.2	+002.2	+002.2	
48.1250	+002.2	+002.3	+002.4	+002.4	+002.4	
48.7500	+002.4	+002.4	+002.4	+002.4	+002.4	
49.3750	+002.4	+002.5	+002.5	+002.5	+002.4	
50.0000	+002.4	+002.4	+002.4	+002.4	+002.4	
50.6250	+002.3	+002.3	+002.3	+002.3	+002.3	
51.2500	+002.2	+002.2	+002.2	+002.2	+002.2	
51.8750	+002.2	+002.3	+002.2	+002.2	+002.1	
52.5000	+002.1	+002.1	+002.2	+002.2	+002.2	
53.1250	+002.2	+002.2	+002.2	+002.0	+002.1	
53.7500	+002.1	+002.1	+002.0	+002.0	+001.9	
54.3750	+001.9	+001.9	+001.9	+001.9	+001.8	
55.0000	+001.8	+001.8	+001.7	+001.7	+001.7	
55.6250	+001.7	+001.7	+001.7	+001.7	+001.7	
56.2500	+001.7	+001.7	+001.7	+001.7	+001.7	
56.8750	+001.6	+001.6	+001.7	+001.7	+001.6	
57.5000	+001.7	+001.7	+001.7	+001.7	+001.7	
58.1250	+001.7	+001.7	+001.7	+001.7	+001.7	
58.7500	+001.7	+001.7	+001.6	+001.6	+001.6	
59.3750	+001.6	+001.6	+001.6	+001.6	+313.4	

AMAX= +057.0 AT T=007.0

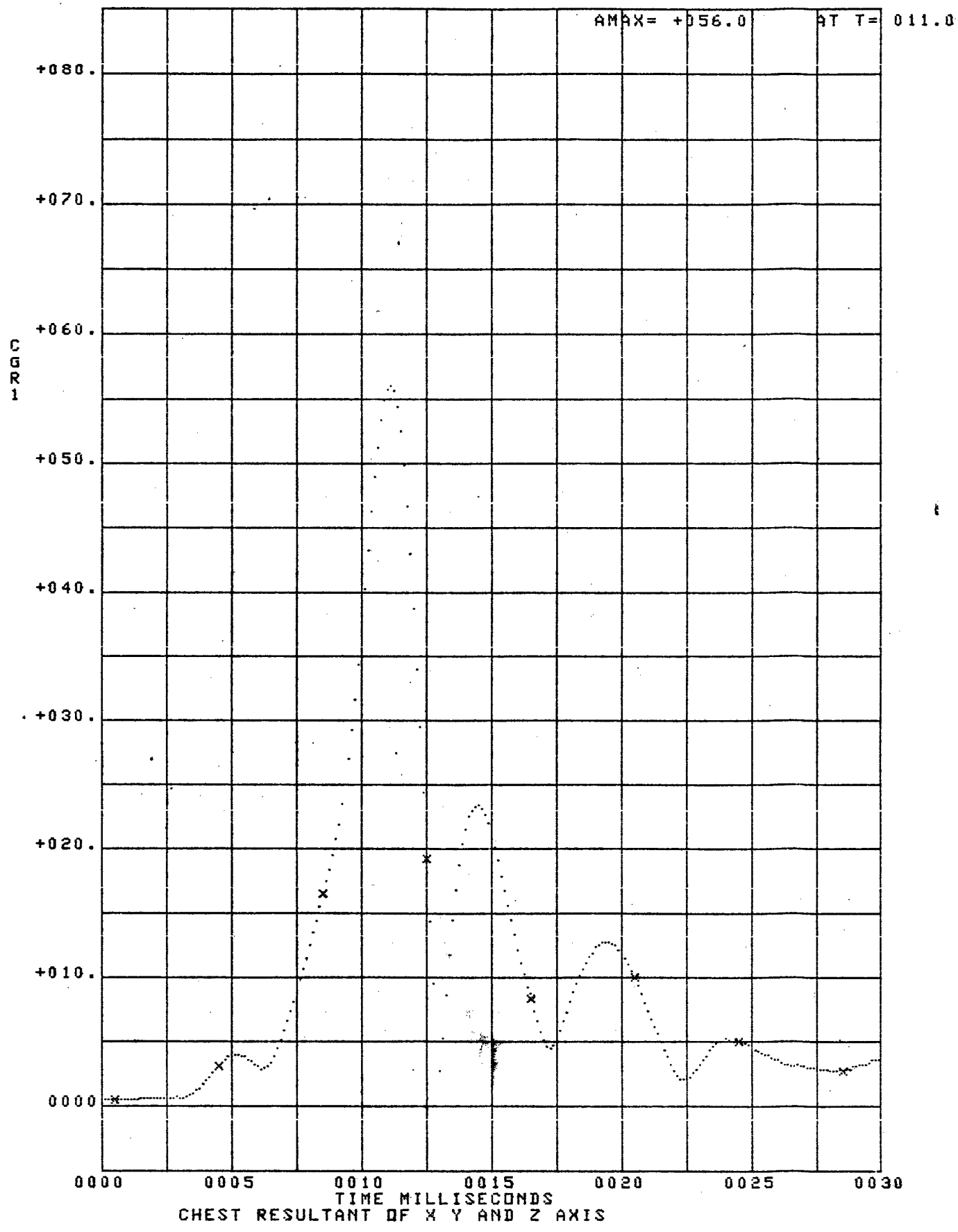

Chest Impact
Dummy No. 39, Run No. 4
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

CHEST IMPACT
TEST C003




CHEST IMPACT
TEST C003
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1

CHEST IMPACT
TEST C003

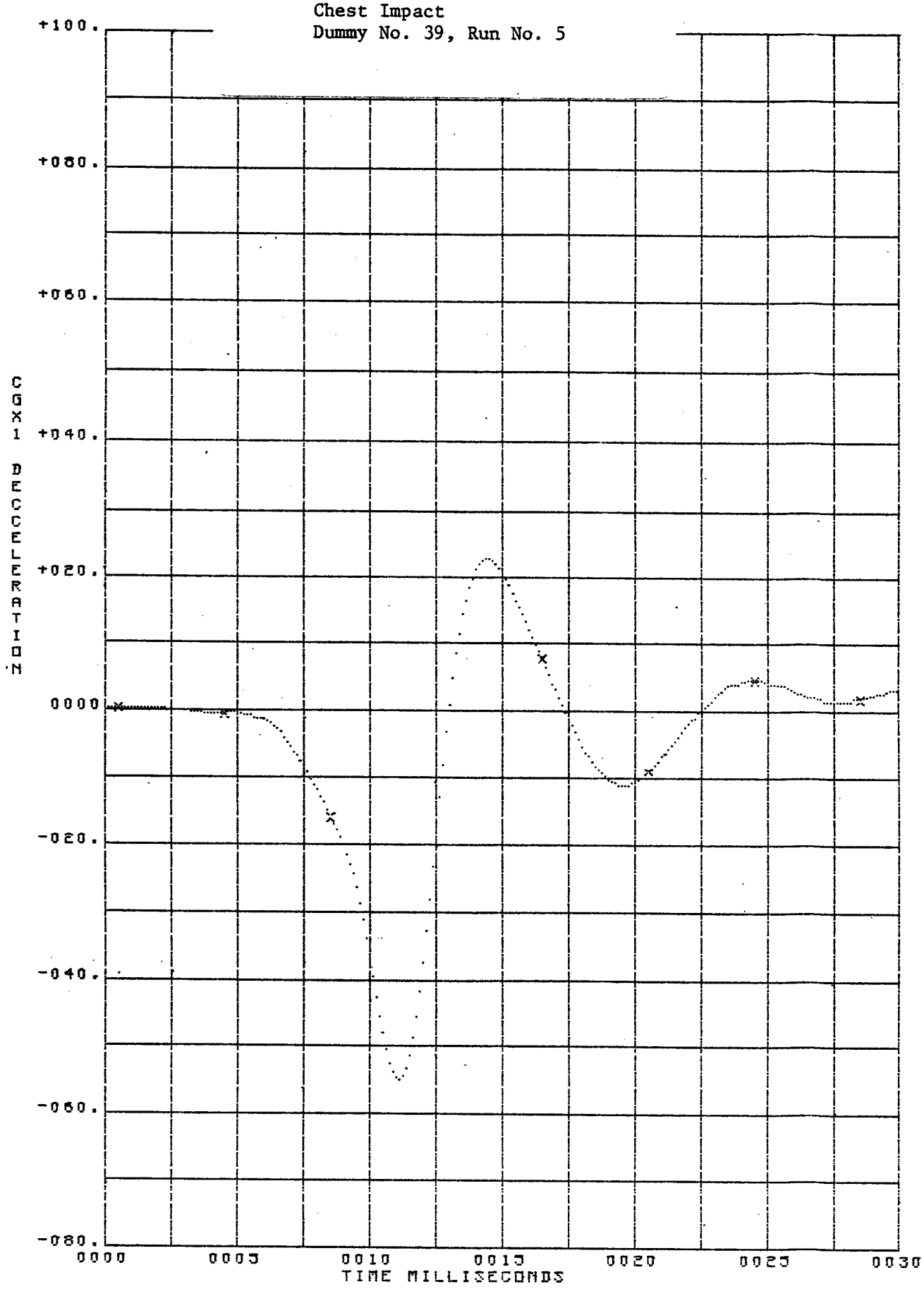


RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C003

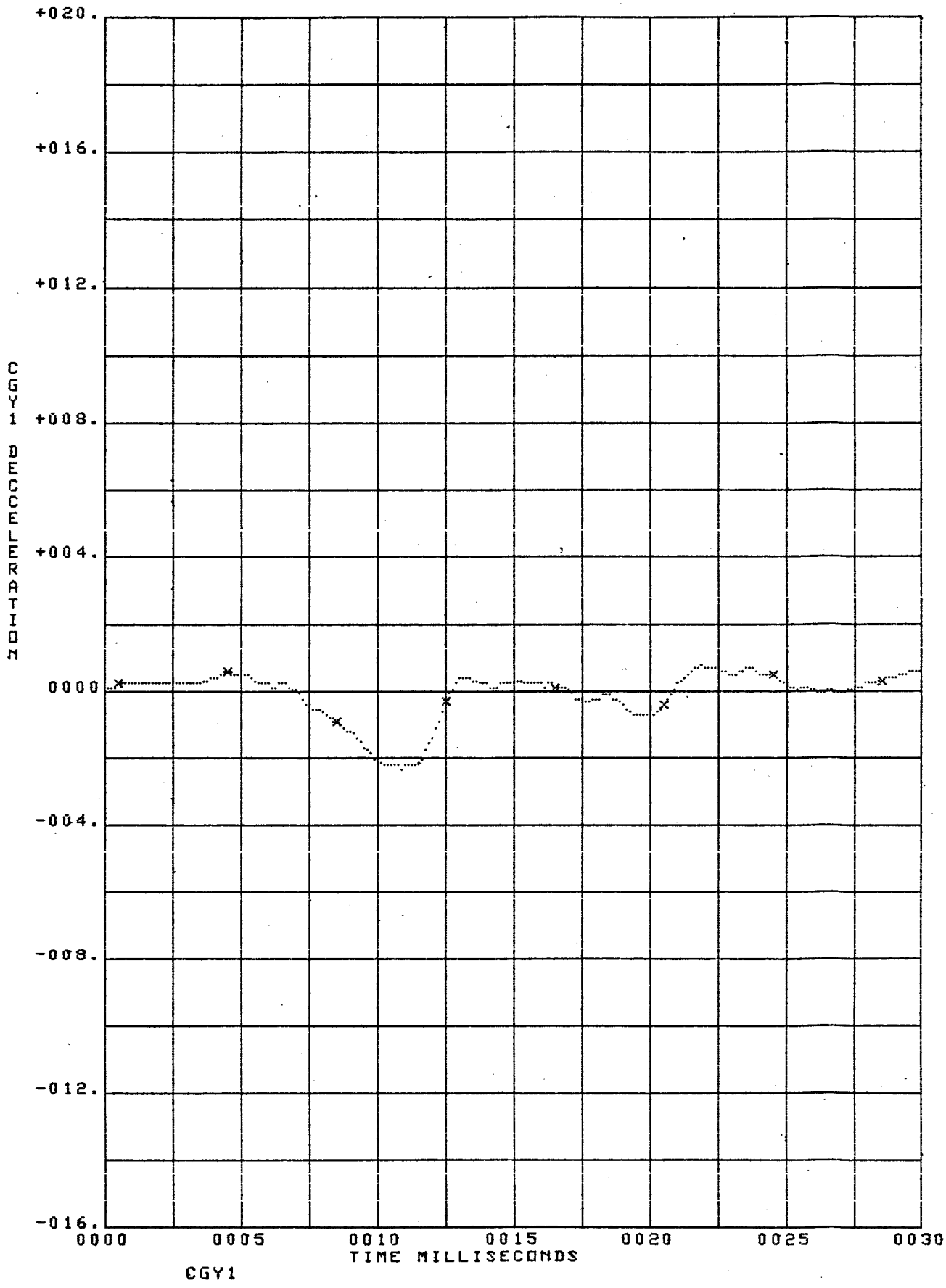
TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.1	+000.1	+000.1	+000.1
1.8750	+000.2	+000.2	+000.2	+000.2	+000.2
2.5000	+000.2	+000.2	+000.2	+000.1	+000.1
3.1250	+000.2	+000.3	+000.5	+000.7	+000.9
3.7500	+001.2	+001.5	+001.8	+002.1	+002.3
4.3750	+002.6	+002.9	+003.2	+003.3	+003.5
5.0000	+003.5	+003.5	+003.4	+003.3	+003.1
5.6250	+003.0	+002.7	+002.6	+002.4	+002.5
6.2500	+002.6	+002.9	+003.4	+004.0	+004.7
6.8750	+005.4	+006.1	+006.9	+007.7	+008.5
7.5000	+009.3	+010.2	+011.0	+011.9	+013.0
8.1250	+013.9	+015.0	+015.9	+016.9	+017.9
8.7500	+019.0	+020.2	+021.3	+022.9	+024.5
9.3750	+026.5	+028.8	+031.2	+034.0	+037.0
10.0000	+040.0	+043.0	+046.0	+048.8	+051.2
10.6250	+053.3	+054.8	+055.7	+056.0	+055.6
11.2500	+054.3	+052.4	+049.8	+046.4	+042.7
11.8750	+038.4	+033.2	+028.9	+023.8	+018.7
12.5000	+013.8	+009.0	+004.6	+002.3	+004.8
13.1250	+008.2	+011.2	+014.0	+016.3	+018.2
13.7500	+019.8	+021.0	+021.9	+022.5	+022.7
14.3750	+022.8	+022.6	+022.1	+021.4	+020.6
15.0000	+019.6	+018.6	+017.3	+016.2	+015.1
15.6250	+014.0	+012.8	+011.6	+010.7	+009.8
16.2500	+008.8	+007.9	+006.9	+006.1	+005.3
16.8750	+004.6	+004.2	+004.1	+004.3	+004.7
17.5000	+005.4	+006.1	+006.8	+007.6	+008.3
18.1250	+008.9	+009.6	+010.1	+010.6	+011.1
18.7500	+011.4	+011.8	+012.0	+012.2	+012.2
19.3750	+012.2	+012.1	+011.9	+011.6	+011.3
20.0000	+010.9	+010.5	+010.0	+009.4	+008.9
20.6250	+008.2	+007.5	+006.9	+006.3	+005.7
21.2500	+005.1	+004.5	+003.9	+003.4	+002.8
21.8750	+002.3	+001.9	+001.7	+001.6	+001.6
22.5000	+001.8	+002.1	+002.4	+002.7	+003.1
23.1250	+003.4	+003.9	+004.2	+004.4	+004.6
23.7500	+004.5	+004.7	+004.6	+004.6	+004.6
24.3750	+004.5	+004.4	+004.4	+004.3	+004.1
25.0000	+003.9	+003.8	+003.7	+003.6	+003.4
25.6250	+003.2	+003.1	+003.1	+002.9	+002.8
26.2500	+002.8	+002.6	+002.6	+002.7	+002.6
26.8750	+002.6	+002.5	+002.5	+002.5	+002.4
27.5000	+002.4	+002.4	+002.4	+002.3	+002.3
28.1250	+002.3	+002.4	+002.3	+002.4	+002.4
28.7500	+002.6	+002.6	+002.7	+002.7	+002.8
29.3750	+002.8	+003.1	+003.1	+003.2	+003.3
30.0000	+003.4	+003.5	+003.6	+003.8	+003.9
30.6250	+004.0	+004.1	+004.4	+004.4	+004.6
31.2500	+004.6	+004.8	+005.0	+005.0	+005.2
31.8750	+005.4	+005.5	+005.6	+005.7	+005.9
32.5000	+006.0	+006.1	+006.1	+006.1	+006.1
33.1250	+006.2	+006.2	+006.3	+006.3	+006.3
33.7500	+006.3	+006.3	+006.3	+006.2	+006.2
34.3750	+006.1	+006.0	+006.0	+005.9	+005.8
35.0000	+005.7	+005.6	+005.4	+005.3	+005.1
35.6250	+005.0	+004.8	+004.6	+004.4	+004.3
36.2500	+004.0	+003.8	+003.6	+003.4	+003.2
36.8750	+003.0	+002.8	+002.7	+002.5	+002.4

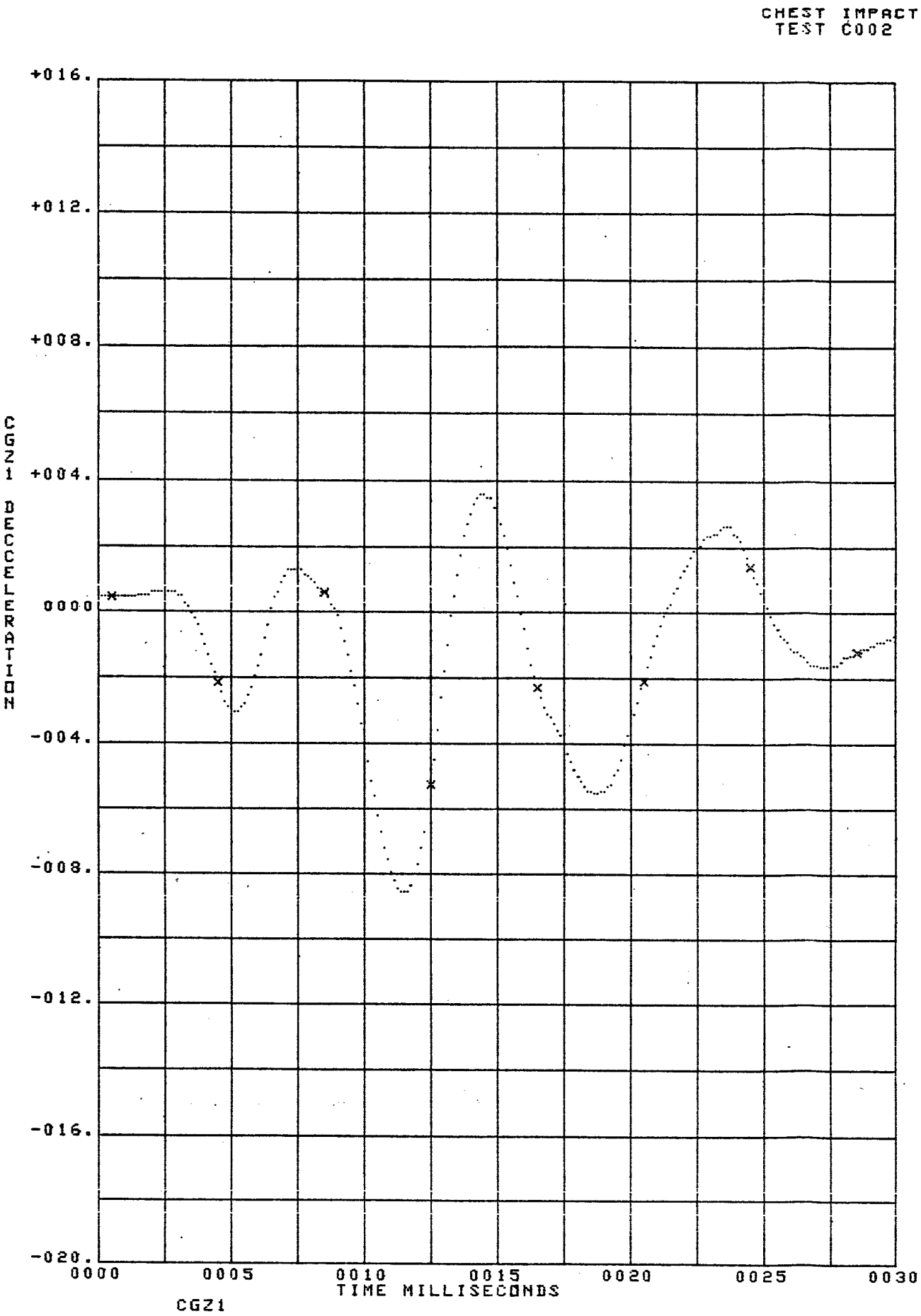
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C003		
37.5000	+002.1	+002.1	+001.9	+001.7	+001.7	
38.1250	+001.5	+001.4	+001.3	+001.2	+001.1	
38.7500	+001.1	+001.0	+001.0	+001.0	+001.0	
39.3750	+000.9	+001.0	+001.0	+001.0	+001.0	
40.0000	+001.0	+001.0	+001.2	+001.3	+001.3	
40.6250	+001.3	+001.4	+001.4	+001.5	+001.5	
41.2500	+001.6	+001.7	+001.7	+001.8	+001.8	
41.8750	+001.9	+001.9	+002.0	+002.0	+002.0	
42.5000	+002.1	+002.1	+002.1	+002.1	+002.2	
43.1250	+002.2	+002.2	+002.2	+002.1	+002.2	
43.7500	+002.2	+002.2	+002.2	+002.2	+002.3	
44.3750	+002.3	+002.3	+002.3	+002.3	+002.3	
45.0000	+002.3	+002.3	+002.3	+002.3	+002.3	
45.6250	+002.3	+002.3	+002.4	+002.4	+002.4	
46.2500	+002.4	+002.4	+002.4	+002.4	+002.4	
46.8750	+002.4	+002.4	+002.4	+002.4	+002.4	
47.5000	+002.5	+002.5	+002.5	+002.5	+002.5	
48.1250	+002.5	+002.5	+002.6	+002.6	+002.6	
48.7500	+002.6	+002.6	+002.6	+002.6	+002.5	
49.3750	+002.5	+002.5	+002.5	+002.5	+002.5	
50.0000	+002.5	+002.5	+002.4	+002.4	+002.5	
50.6250	+002.5	+002.5	+002.5	+002.5	+002.5	
51.2500	+002.4	+002.4	+002.4	+002.3	+002.4	
51.8750	+002.4	+002.4	+002.4	+002.4	+002.3	
52.5000	+002.4	+002.3	+002.3	+002.3	+002.3	
53.1250	+002.2	+002.2	+002.2	+002.2	+002.1	
53.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
54.3750	+002.1	+002.0	+002.1	+002.0	+001.9	
55.0000	+002.0	+002.0	+002.0	+002.0	+002.0	
55.6250	+002.0	+002.0	+002.0	+002.0	+002.0	
56.2500	+001.9	+001.9	+001.9	+001.9	+001.9	
56.8750	+001.9	+001.8	+001.8	+001.8	+001.8	
57.5000	+001.7	+001.7	+001.7	+001.7	+001.7	
58.1250	+001.7	+001.8	+001.8	+001.8	+001.7	
58.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
59.3750	+001.6	+001.6	+001.6	+001.6	+313.4	

AMAX= +056.0 AT T=011.0

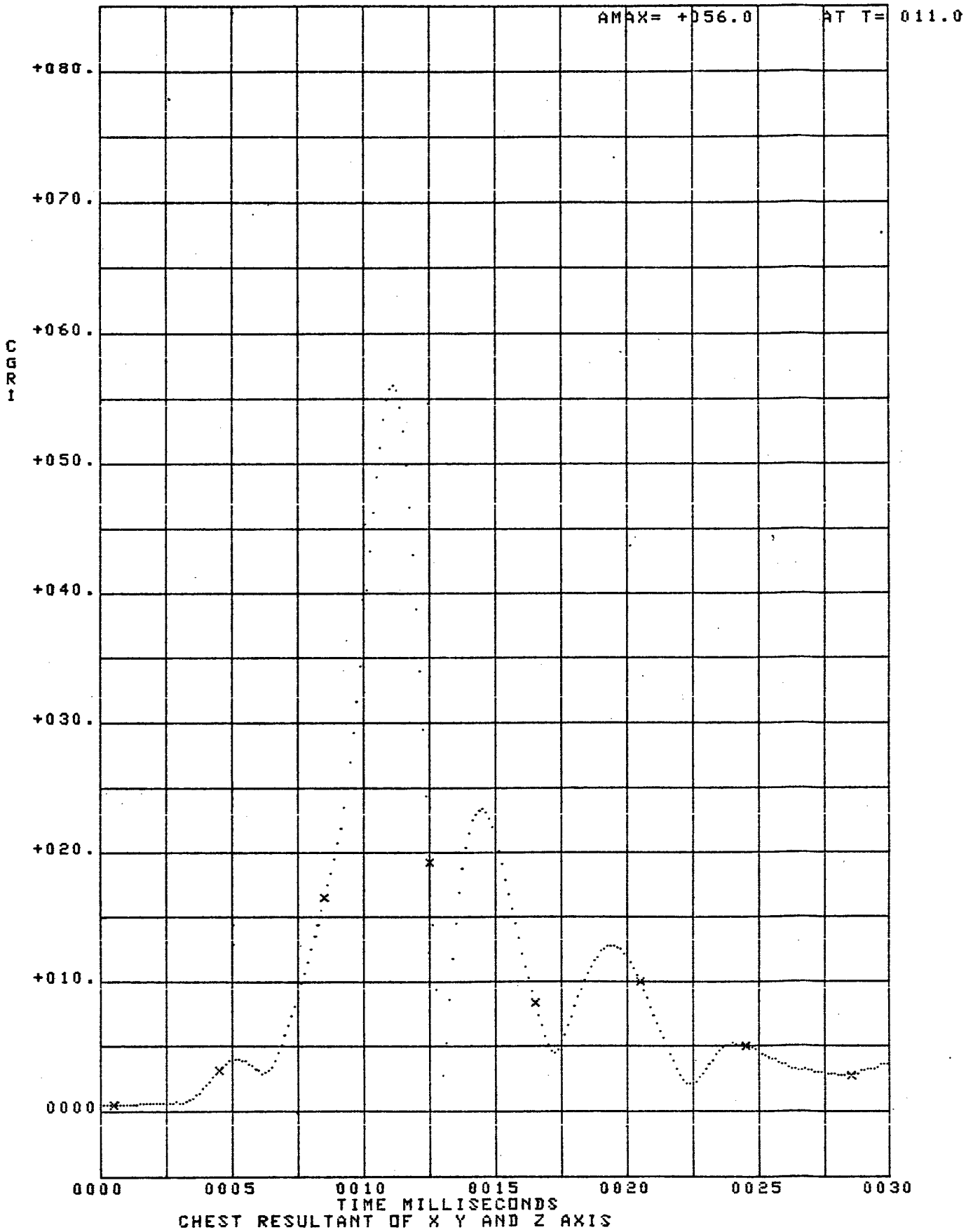

Chest Impact
Dummy No. 39, Run No. 5
+100.
+080.
+060.
+040.
+020.
0000
-020.
-040.
-060.
-080.
CGX1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS

CHEST IMPACT
TEST C002




CHEST IMPACT
TEST C002
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1

CHEST IMPACT
TEST C002



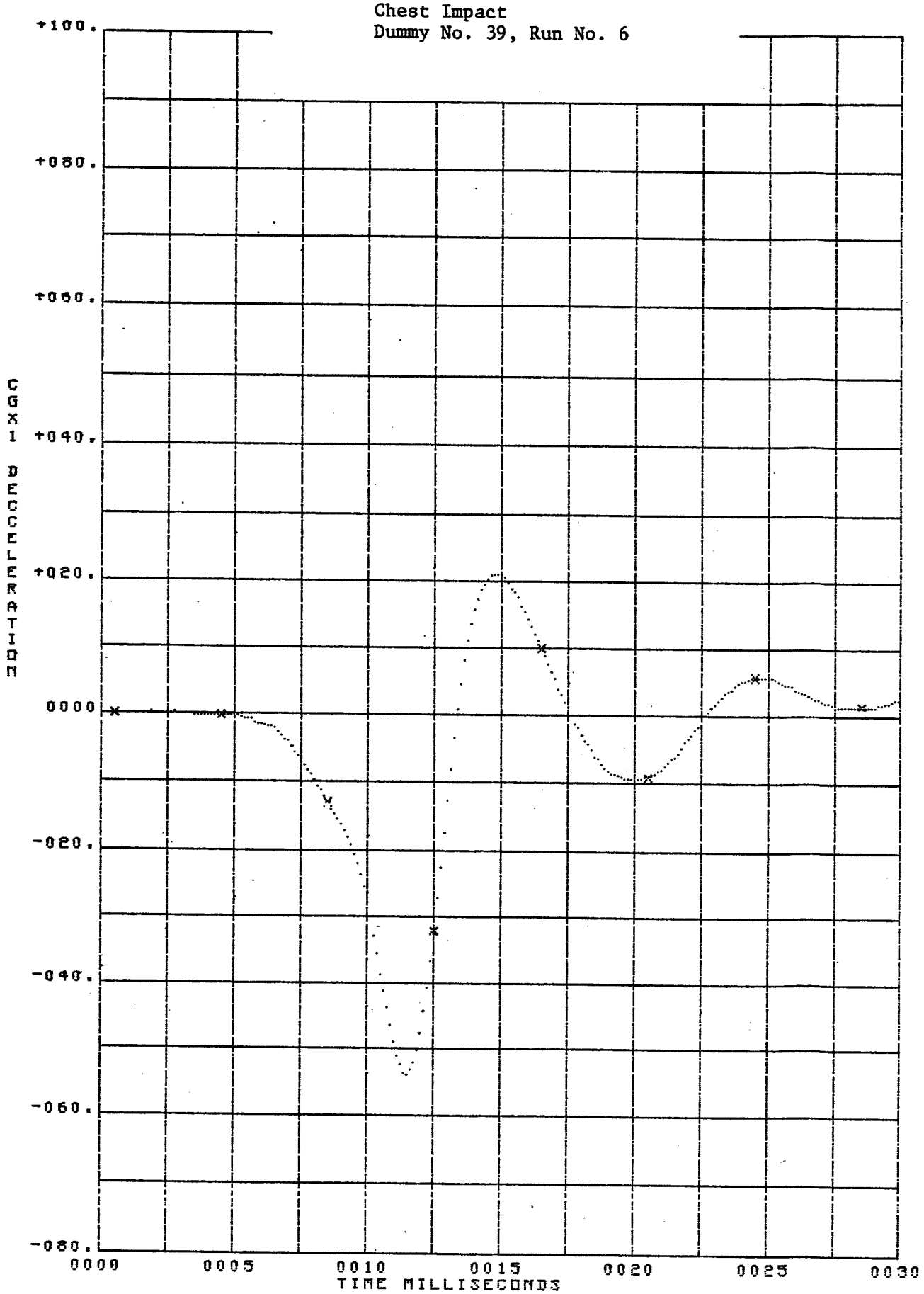
RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C002

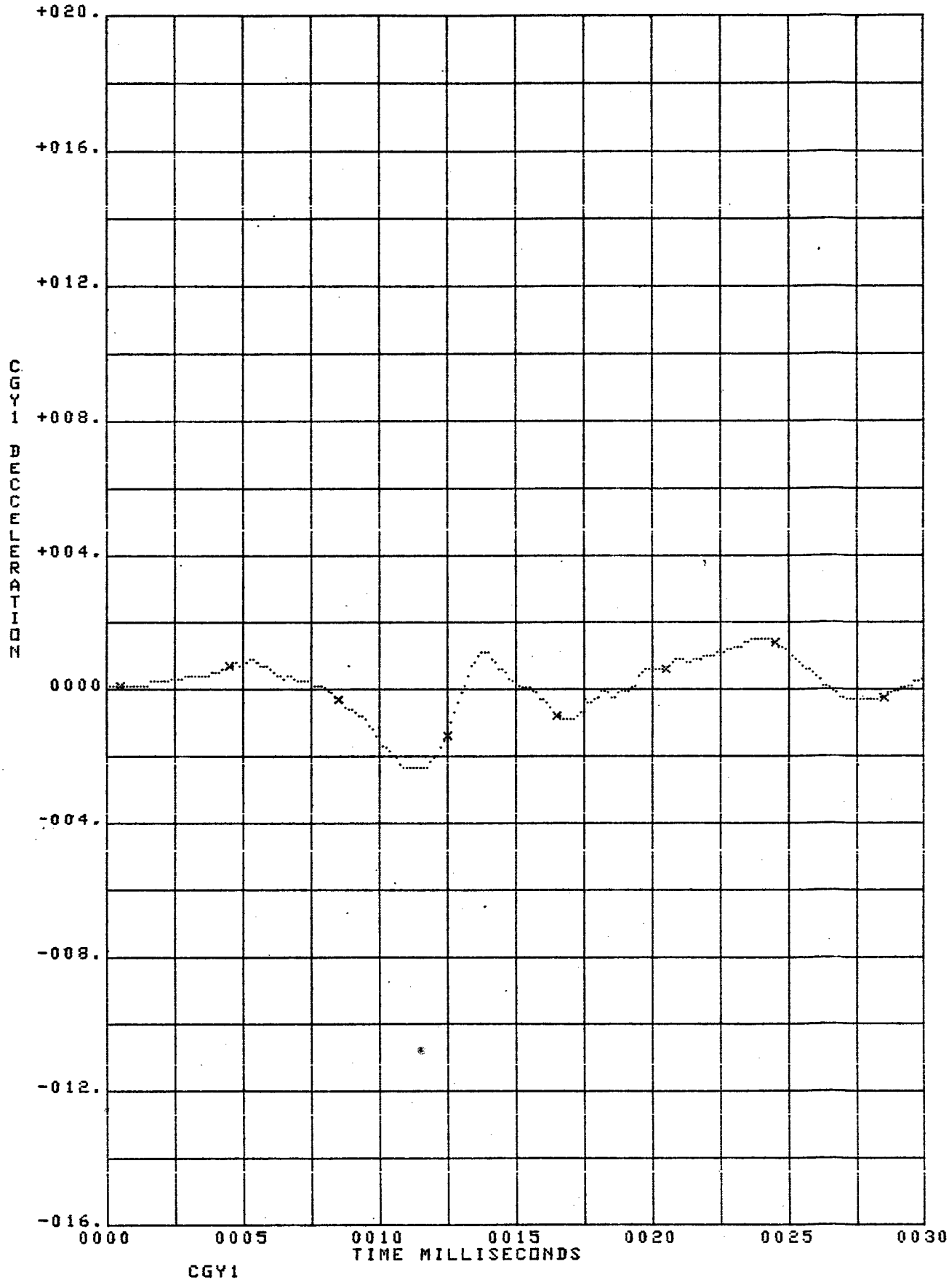
TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.1	+000.1	+000.1	+000.1
1.8750	+000.2	+000.2	+000.2	+000.2	+000.2
2.5000	+000.2	+000.2	+000.2	+000.1	+000.1
3.1250	+000.2	+000.3	+000.5	+000.7	+000.9
3.7500	+001.2	+001.5	+001.8	+002.1	+002.3
4.3750	+002.6	+002.9	+003.2	+003.3	+003.5
5.0000	+003.5	+003.5	+003.4	+003.3	+003.1
5.6250	+003.0	+002.7	+002.6	+002.4	+002.5
6.2500	+002.6	+002.9	+003.4	+004.0	+004.7
6.8750	+005.4	+006.1	+006.9	+007.7	+008.5
7.5000	+009.3	+010.2	+011.0	+011.9	+013.0
8.1250	+013.9	+015.0	+015.9	+016.9	+017.9
8.7500	+019.0	+020.2	+021.3	+022.9	+024.5
9.3750	+026.5	+028.8	+031.2	+034.0	+037.0
10.0000	+040.0	+043.0	+046.0	+048.8	+051.2
10.6250	+053.3	+054.8	+055.7	+056.0	+055.6
11.2500	+054.3	+052.4	+049.8	+046.4	+042.7
11.8750	+038.4	+033.7	+028.9	+023.8	+018.7
12.5000	+013.8	+009.0	+004.6	+002.3	+004.8
13.1250	+008.2	+011.2	+014.0	+016.3	+018.2
13.7500	+019.8	+021.0	+021.9	+022.5	+022.7
14.3750	+022.8	+022.6	+022.1	+021.4	+020.6
15.0000	+019.6	+018.6	+017.3	+016.2	+015.1
15.6250	+014.0	+012.8	+011.6	+010.7	+009.8
16.2500	+008.8	+007.9	+006.9	+006.1	+005.3
16.8750	+004.6	+004.2	+004.1	+004.3	+004.7
17.5000	+005.4	+006.1	+006.8	+007.6	+008.3
18.1250	+008.9	+009.6	+010.1	+010.6	+011.1
18.7500	+011.4	+011.8	+012.0	+012.2	+012.2
19.3750	+012.2	+012.1	+011.9	+011.6	+011.3
20.0000	+010.9	+010.5	+010.0	+009.4	+008.9
20.6250	+008.2	+007.5	+006.9	+006.3	+005.7
21.2500	+005.1	+004.5	+003.9	+003.4	+002.8
21.8750	+002.3	+001.9	+001.7	+001.6	+001.6
22.5000	+001.8	+002.1	+002.4	+002.7	+003.1
23.1250	+003.4	+003.9	+004.2	+004.4	+004.6
23.7500	+004.5	+004.7	+004.6	+004.6	+004.6
24.3750	+004.5	+004.4	+004.4	+004.3	+004.1
25.0000	+003.9	+003.8	+003.7	+003.6	+003.4
25.6250	+003.2	+003.1	+003.1	+002.9	+002.8
26.2500	+002.8	+002.6	+002.6	+002.7	+002.6
26.8750	+002.6	+002.5	+002.5	+002.5	+002.4
27.5000	+002.4	+002.4	+002.4	+002.3	+002.3
28.1250	+002.3	+002.4	+002.3	+002.4	+002.4
28.7500	+002.6	+002.6	+002.7	+002.7	+002.8
29.3750	+002.8	+003.1	+003.1	+003.2	+003.3
30.0000	+003.4	+003.5	+003.6	+003.8	+003.9
30.6250	+004.0	+004.1	+004.4	+004.4	+004.6
31.2500	+004.6	+004.8	+005.0	+005.0	+005.2
31.8750	+005.4	+005.5	+005.6	+005.7	+005.9
32.5000	+006.0	+006.1	+006.1	+006.1	+006.1
33.1250	+006.2	+006.2	+006.3	+006.3	+006.3
33.7500	+006.3	+006.3	+006.3	+006.2	+006.2
34.3750	+006.1	+006.0	+006.0	+005.9	+005.8
35.0000	+005.7	+005.6	+005.4	+005.3	+005.1
35.6250	+005.0	+004.8	+004.6	+004.4	+004.3
36.2500	+004.0	+003.8	+003.6	+003.4	+003.2
36.8750	+003.0	+002.8	+002.7	+002.5	+002.4

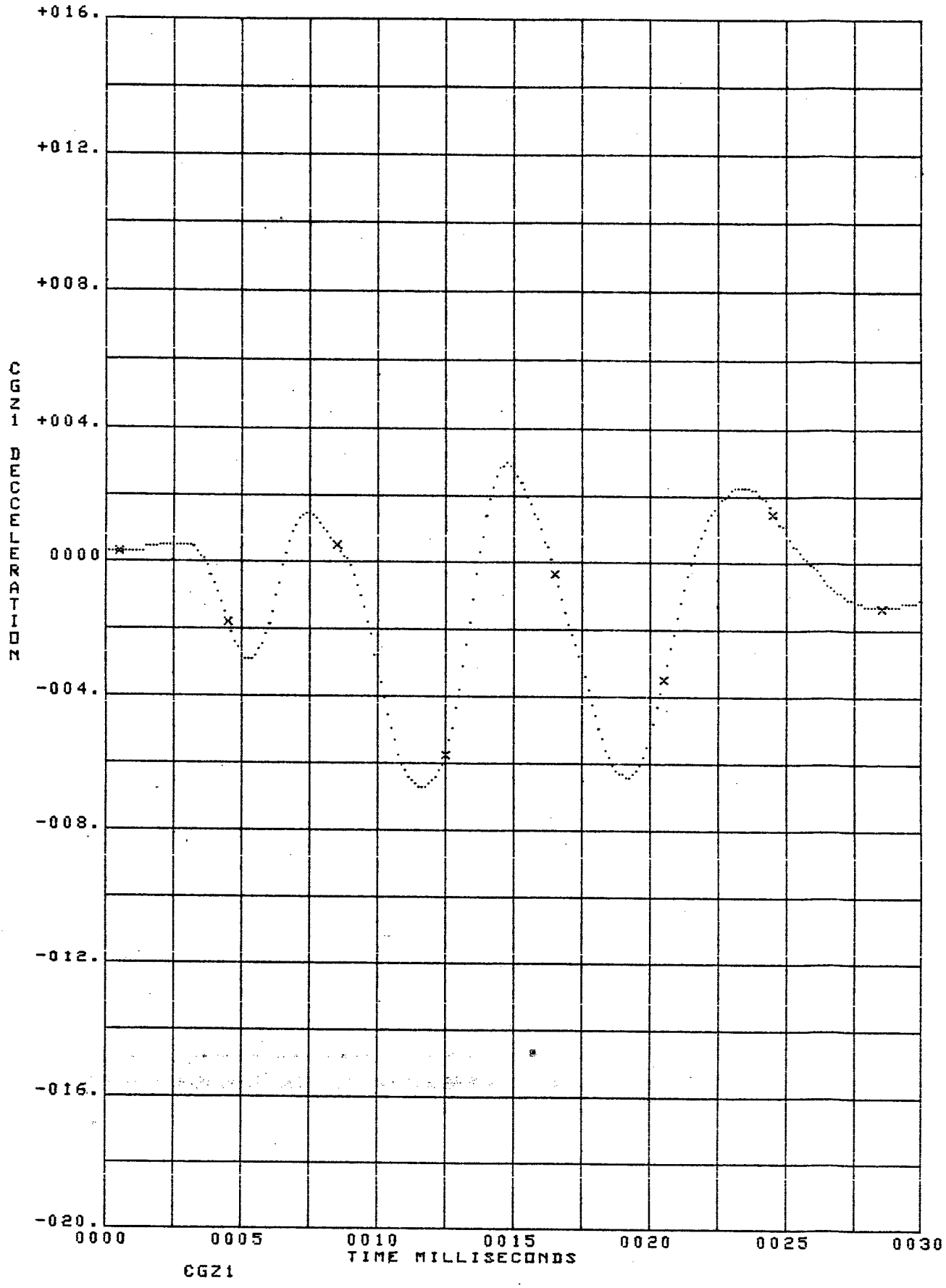
RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C002		
37.5000	+002.1	+002.1	+001.9	+001.7	+001.7	
38.1250	+001.5	+001.4	+001.3	+001.2	+001.1	
38.7500	+001.1	+001.0	+001.0	+001.0	+001.0	
39.3750	+000.9	+001.0	+001.0	+001.0	+001.0	
40.0000	+001.0	+001.0	+001.2	+001.3	+001.3	
40.6250	+001.3	+001.4	+001.4	+001.5	+001.5	
41.2500	+001.6	+001.7	+001.7	+001.8	+001.8	
41.8750	+001.9	+001.9	+002.0	+002.0	+002.0	
42.5000	+002.1	+002.1	+002.1	+002.1	+002.2	
43.1250	+002.2	+002.2	+002.2	+002.1	+002.2	
43.7500	+002.2	+002.2	+002.2	+002.2	+002.3	
44.3750	+002.3	+002.3	+002.3	+002.3	+002.3	
45.0000	+002.3	+002.3	+002.3	+002.3	+002.3	
45.6250	+002.3	+002.3	+002.4	+002.4	+002.4	
46.2500	+002.4	+002.4	+002.4	+002.4	+002.4	
46.8750	+002.4	+002.4	+002.4	+002.4	+002.4	
47.5000	+002.5	+002.5	+002.5	+002.5	+002.5	
48.1250	+002.5	+002.5	+002.6	+002.6	+002.6	
48.7500	+002.6	+002.6	+002.6	+002.6	+002.5	
49.3750	+002.5	+002.5	+002.5	+002.5	+002.5	
50.0000	+002.5	+002.5	+002.4	+002.4	+002.5	
50.6250	+002.5	+002.5	+002.5	+002.5	+002.5	
51.2500	+002.4	+002.4	+002.4	+002.3	+002.4	
51.8750	+002.4	+002.4	+002.4	+002.4	+002.3	
52.5000	+002.4	+002.3	+002.3	+002.3	+002.3	
53.1250	+002.2	+002.2	+002.2	+002.2	+002.1	
53.7500	+002.1	+002.1	+002.1	+002.1	+002.1	
54.3750	+002.1	+002.0	+002.1	+002.0	+001.9	
55.0000	+002.0	+002.0	+002.0	+002.0	+002.0	
55.6250	+002.0	+002.0	+002.0	+002.0	+002.0	
56.2500	+001.9	+001.9	+001.9	+001.9	+001.9	
56.8750	+001.9	+001.8	+001.8	+001.8	+001.8	
57.5000	+001.7	+001.7	+001.7	+001.7	+001.7	
58.1250	+001.7	+001.8	+001.8	+001.8	+001.7	
58.7500	+001.7	+001.7	+001.7	+001.7	+001.7	
59.3750	+001.6	+001.6	+001.6	+001.6	+313.4	

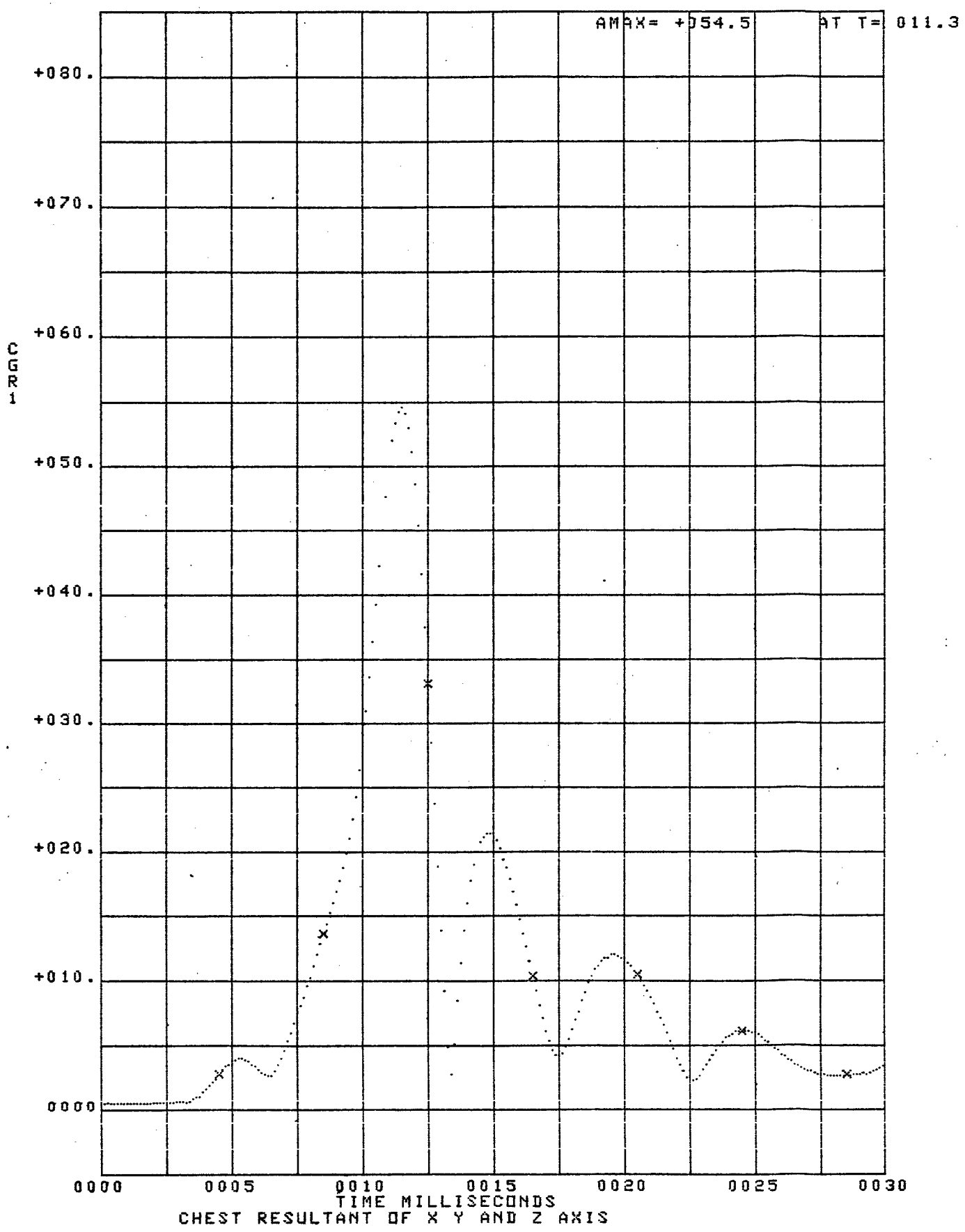
AMAX= +056.0 AT T=011.0

Chest Impact
Dummy No. 39, Run No. 6




CHEST IMPACT
TEST C001
+020.
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
CGY1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGY1


CHEST IMPACT
TEST C001
+016.
+012.
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
CGZ1 DECCELERATION
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CGZ1


CHEST IMPACT
TEST C001
AMAX= +054.5
AT T= 011.3
+080.
+070.
+060.
+050.
+040.
+030.
+020.
+010.
0000
CGR
1
0000
0005
0010
0015
0020
0025
0030
TIME MILLISECONDS
CHEST RESULTANT OF X Y AND Z AXIS

RESULTANT (CGR1) OF CGX1 CGY1 CGZ1 C001

TIME					
0.0000	+000.0	+000.1	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.1	+000.1	+000.1	+000.1	+000.1
2.5000	+000.1	+000.1	+000.2	+000.2	+000.2
3.1250	+000.2	+000.2	+000.4	+000.4	+000.6
3.7500	+000.9	+001.1	+001.4	+001.7	+001.9
4.3750	+002.2	+002.6	+002.9	+003.0	+003.2
5.0000	+003.4	+003.4	+003.5	+003.3	+003.2
5.6250	+003.0	+002.8	+002.6	+002.4	+002.2
6.2500	+002.1	+002.2	+002.5	+003.0	+003.6
6.8750	+004.2	+004.9	+005.5	+006.2	+006.9
7.5000	+007.6	+008.3	+009.0	+009.8	+010.6
8.1250	+011.4	+012.3	+013.1	+013.9	+014.8
8.7500	+015.5	+016.3	+017.2	+018.2	+019.3
9.3750	+020.5	+022.0	+023.7	+025.8	+028.0
10.0000	+030.5	+033.2	+036.1	+038.9	+041.9
10.6250	+044.8	+047.4	+049.8	+051.8	+053.3
11.2500	+054.2	+054.5	+054.0	+053.0	+051.0
11.8750	+048.5	+045.2	+041.4	+037.2	+032.7
12.5000	+028.0	+023.1	+018.3	+013.4	+008.7
13.1250	+004.4	+002.3	+004.7	+007.9	+010.8
13.7500	+013.4	+015.5	+017.2	+018.5	+019.5
14.3750	+020.2	+020.6	+020.8	+020.8	+020.6
15.0000	+020.3	+019.7	+018.9	+018.2	+017.3
15.6250	+016.3	+015.4	+014.3	+013.1	+012.0
16.2500	+011.0	+009.8	+008.7	+007.6	+006.6
16.8750	+005.7	+004.8	+004.1	+003.8	+003.7
17.5000	+003.9	+004.4	+005.0	+005.7	+006.5
18.1250	+007.2	+008.0	+008.6	+009.3	+009.9
18.7500	+010.3	+010.6	+011.0	+011.2	+011.3
19.3750	+011.5	+011.5	+011.4	+011.2	+011.1
20.0000	+010.9	+010.6	+010.3	+010.0	+009.7
20.6250	+009.1	+008.7	+008.2	+007.7	+007.2
21.2500	+006.6	+006.1	+005.5	+004.9	+004.2
21.8750	+003.6	+003.0	+002.5	+002.1	+001.8
22.5000	+001.7	+001.9	+002.1	+002.6	+003.0
23.1250	+003.3	+003.7	+004.1	+004.5	+004.8
23.7500	+005.1	+005.2	+005.4	+005.6	+005.7
24.3750	+005.6	+005.7	+005.6	+005.5	+005.5
25.0000	+005.3	+005.1	+004.9	+004.7	+004.5
25.6250	+004.3	+004.1	+003.8	+003.6	+003.4
26.2500	+003.3	+003.0	+002.9	+002.8	+002.6
26.8750	+002.5	+002.5	+002.4	+002.3	+002.2
27.5000	+002.2	+002.1	+002.2	+002.2	+002.2
28.1250	+002.2	+002.2	+002.2	+002.2	+002.2
28.7500	+002.3	+002.3	+002.3	+002.3	+002.4
29.3750	+002.5	+002.6	+002.8	+002.8	+002.9
30.0000	+003.1	+003.1	+003.2	+003.5	+003.6
30.6250	+003.8	+003.9	+004.0	+004.1	+004.4
31.2500	+004.5	+004.6	+004.6	+004.8	+005.0
31.8750	+005.2	+005.3	+005.4	+005.6	+005.7
32.5000	+005.8	+005.9	+006.0	+006.1	+006.1
33.1250	+006.3	+006.4	+006.4	+006.5	+006.5
33.7500	+006.4	+006.4	+006.4	+006.3	+006.3
34.3750	+006.2	+006.1	+006.0	+005.8	+005.7
35.0000	+005.6	+005.4	+005.3	+005.1	+004.9
35.6250	+004.8	+004.6	+004.4	+004.2	+004.0
36.2500	+003.8	+003.6	+003.5	+003.3	+003.2
36.8750	+003.0	+002.8	+002.5	+002.4	+002.3

RESULTANT (CGR1) OF	CGX1	CGY1	CGZ1	C001		
37.5000	+002.1	+001.9	+001.8	+001.8	+001.6	
38.1250	+001.6	+001.4	+001.3	+001.3	+001.2	
38.7500	+001.2	+001.1	+001.1	+001.1	+001.1	
39.3750	+001.1	+001.1	+001.1	+001.2	+001.3	
40.0000	+001.3	+001.4	+001.4	+001.5	+001.6	
40.6250	+001.6	+001.7	+001.8	+001.9	+001.9	
41.2500	+002.0	+002.0	+002.1	+002.1	+002.1	
41.8750	+002.2	+002.2	+002.3	+002.3	+002.3	
42.5000	+002.4	+002.4	+002.4	+002.4	+002.4	
43.1250	+002.4	+002.4	+002.2	+002.2	+002.2	
43.7500	+002.2	+002.2	+002.2	+002.2	+002.2	
44.3750	+002.2	+002.2	+002.2	+002.2	+002.2	
45.0000	+002.2	+002.1	+002.1	+002.1	+002.0	
45.6250	+002.0	+002.0	+002.0	+002.1	+002.1	
46.2500	+002.1	+002.1	+002.1	+002.1	+002.1	
46.8750	+002.1	+002.1	+002.1	+002.1	+002.1	
47.5000	+002.1	+002.1	+002.1	+002.0	+002.0	
48.1250	+002.1	+002.0	+002.1	+002.1	+002.0	
48.7500	+002.0	+002.1	+002.1	+002.1	+002.1	
49.3750	+002.1	+002.1	+002.0	+002.0	+002.0	
50.0000	+002.0	+001.9	+001.9	+001.9	+001.9	
50.6250	+001.8	+001.9	+001.9	+001.9	+001.9	
51.2500	+001.9	+002.0	+002.0	+001.9	+001.9	
51.8750	+001.9	+002.0	+002.0	+001.9	+002.0	
52.5000	+001.9	+001.9	+001.9	+002.0	+002.0	
53.1250	+001.9	+001.9	+001.9	+001.9	+001.9	
53.7500	+001.9	+001.8	+001.8	+001.8	+001.8	
54.3750	+001.8	+001.8	+001.9	+001.9	+001.9	
55.0000	+001.9	+001.9	+001.9	+001.8	+001.8	
55.6250	+001.8	+001.8	+001.8	+001.8	+001.8	
56.2500	+001.8	+001.8	+001.8	+001.8	+001.8	
56.8750	+001.8	+001.9	+001.8	+001.9	+001.9	
57.5000	+001.9	+001.9	+001.9	+001.9	+001.9	
58.1250	+001.9	+002.0	+002.0	+002.0	+001.9	
58.7500	+002.0	+002.0	+002.0	+002.0	+002.0	
59.3750	+002.0	+002.0	+002.0	+002.0	+313.4	

AMAX= +054.5 AT T=011.3

Head/Neck Pendulum
Dummy No. 31, Run No. 1

24 MAR. 78

3 YR. OLD NECK PENDULUM

TEST # 006

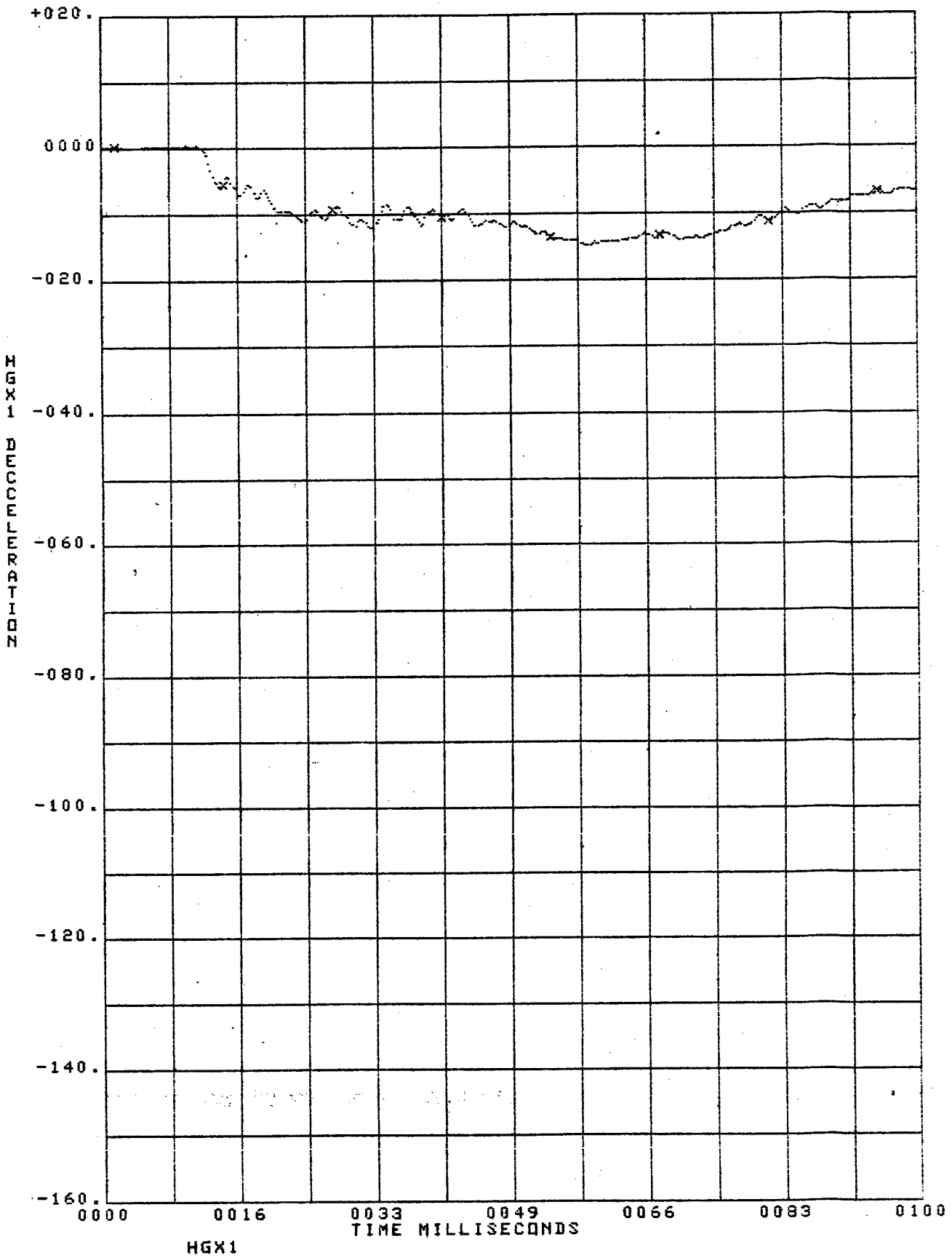
RELEASE hole #	= 9
" hgt.	84 3/4"
HEAD #	31
HEXCELL	STANDARD
VELOCITY	17.25 FPS

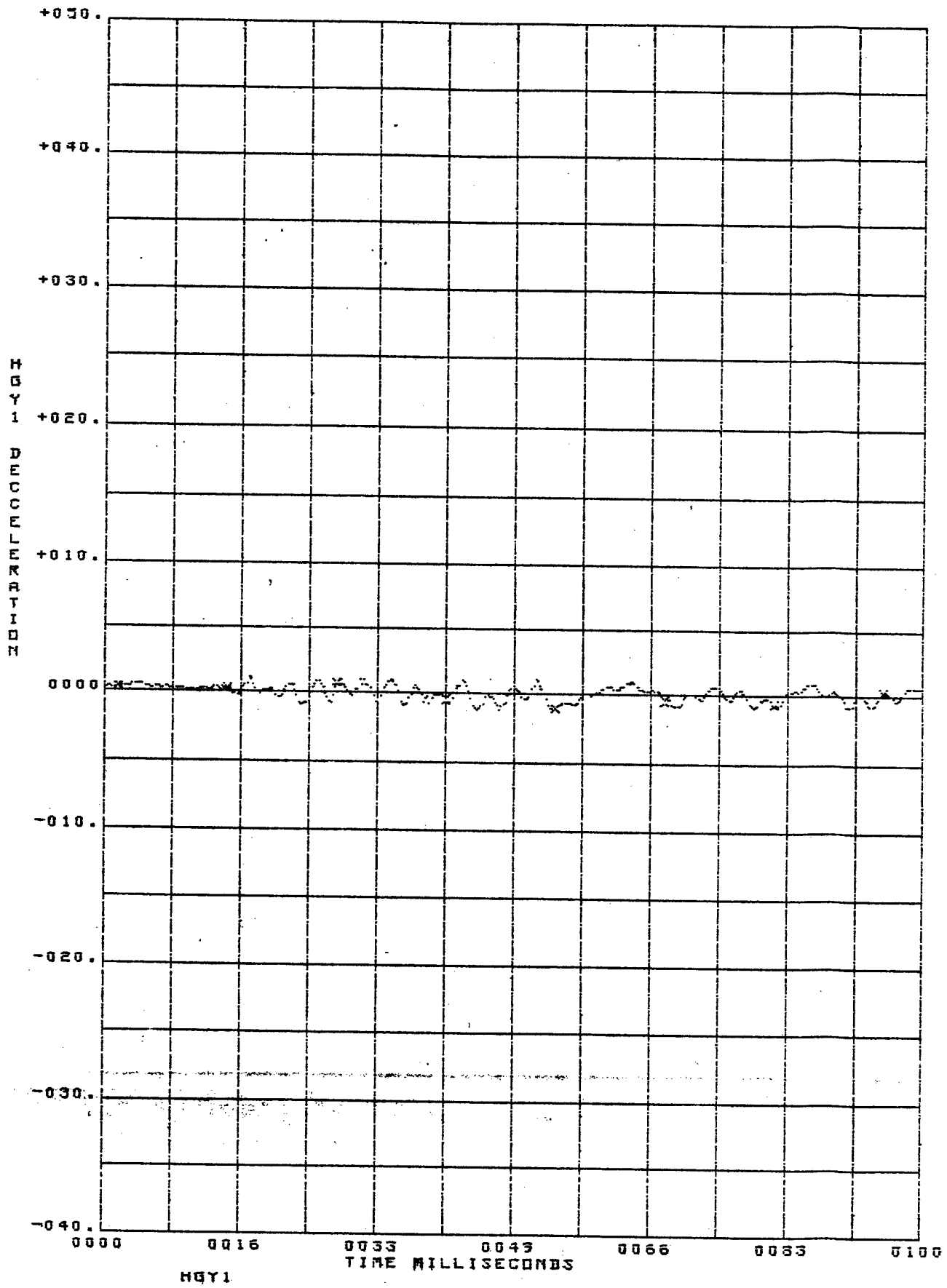
RESULTS

HEXCELL CRUSHED TO	4.0"
RESULTANT	29.4 G
T2 - T1	1.5 MS
T3 - T2	19.5 "
T4 - T3	1.75 "
AVE T3-T2	26.6 G

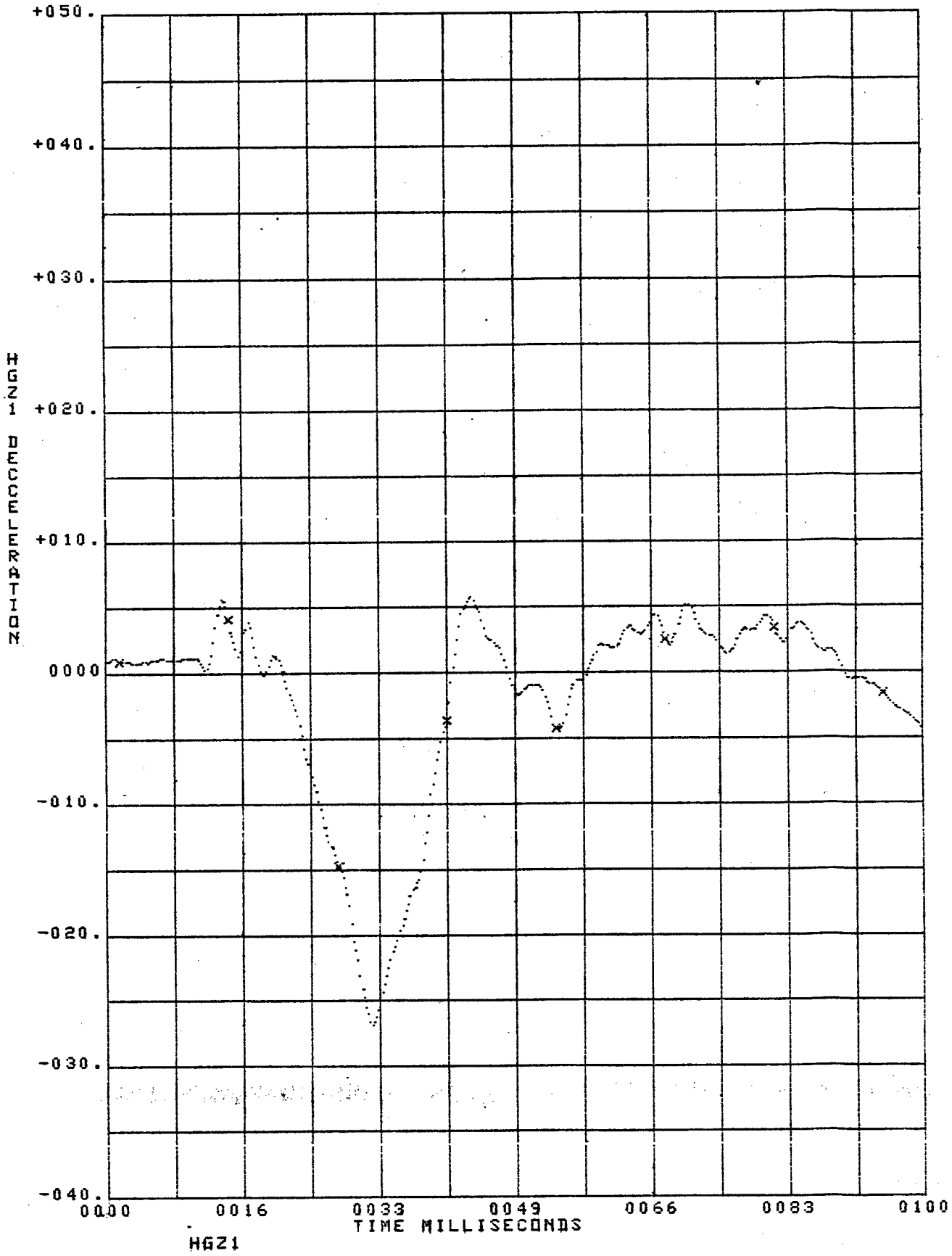
Rotation	Time	Disp
0°	0 MS	0 IN.
30°	21	1.98
60°	36	4.06
80.5°	59	5.19
60°	80	4.34
30°	101	2.12
0°	118	-0.27

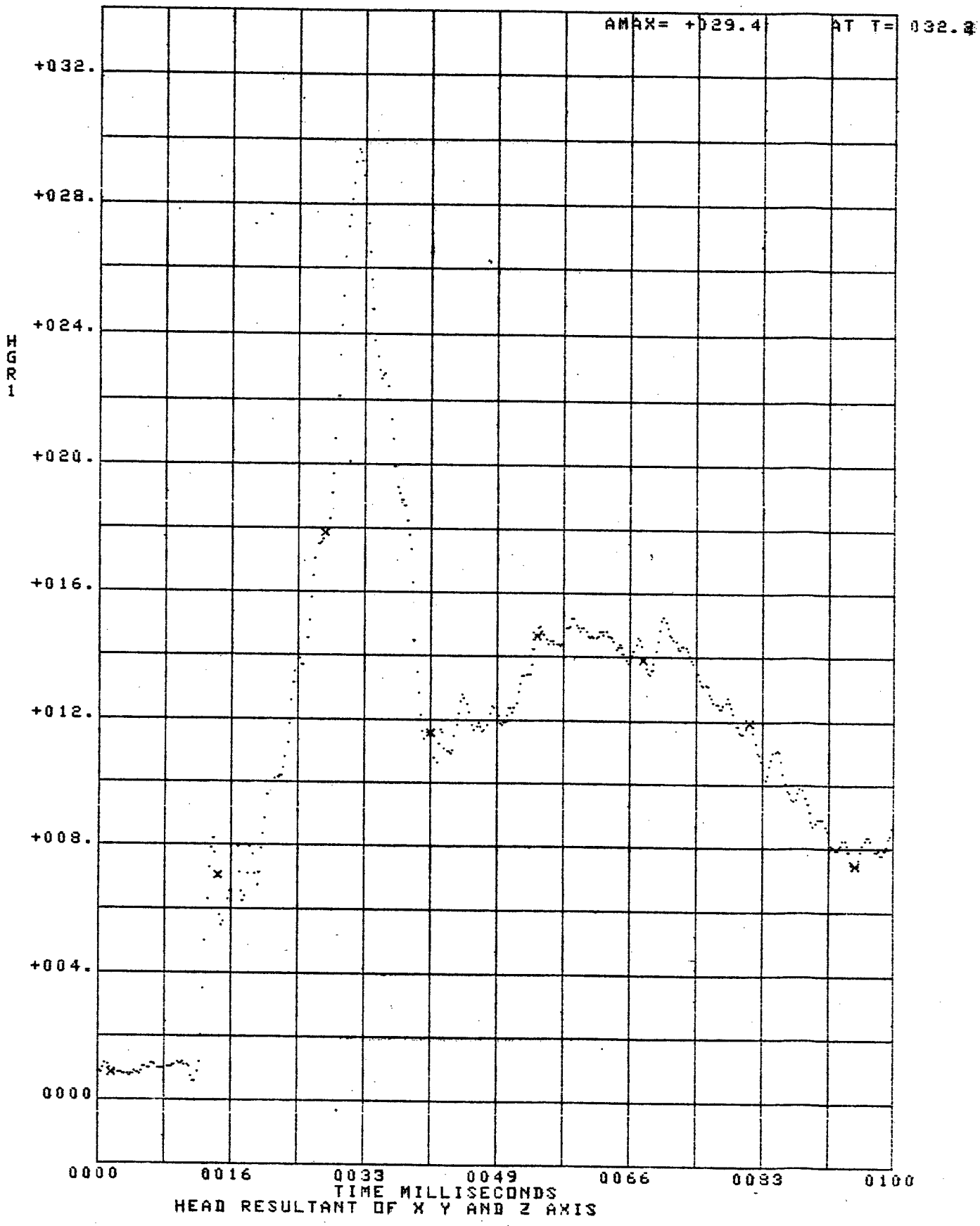
NECK PENDULUM
TRC NO. 006



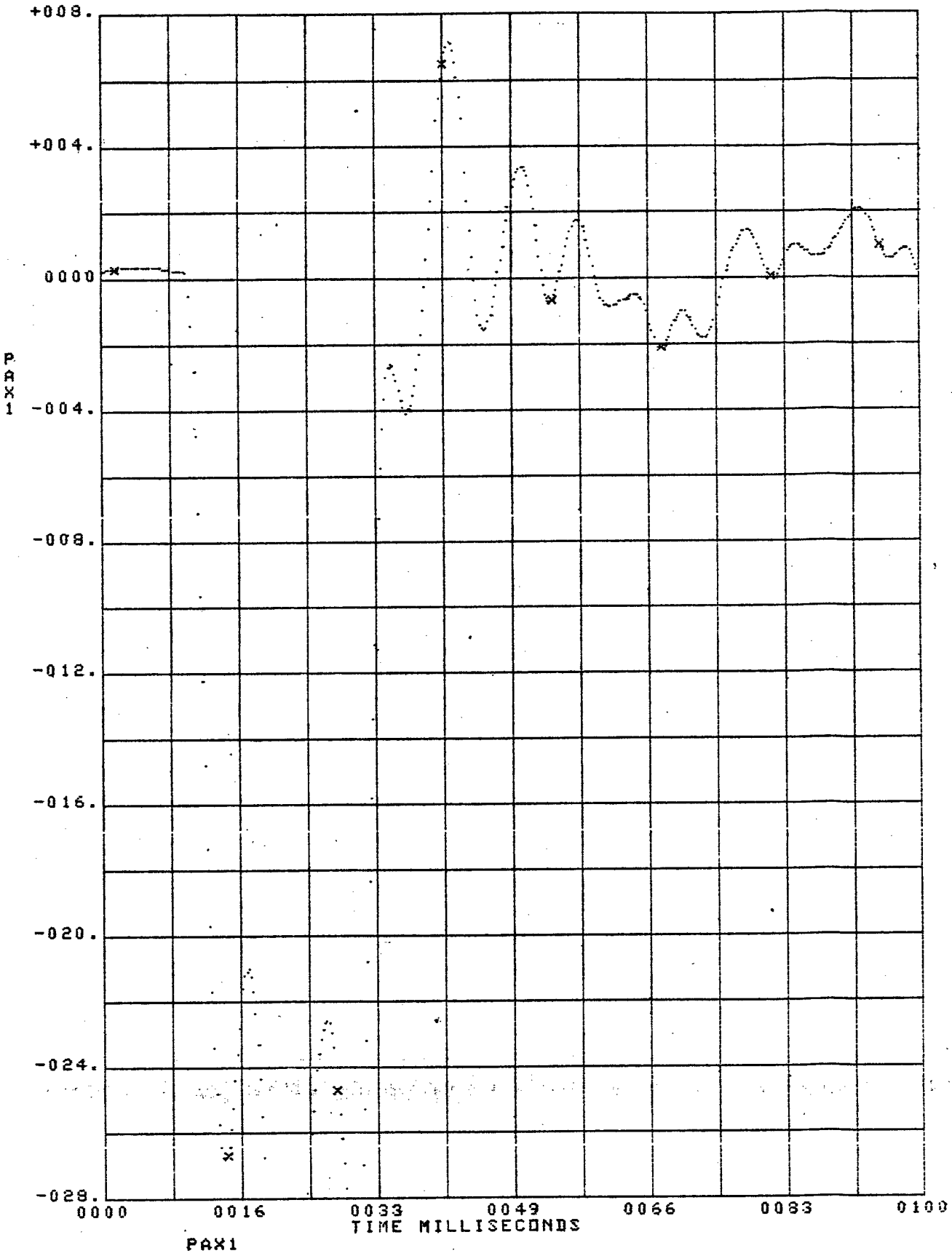

NECK PENDULUM
TRC NO. 006
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HGY1

NECK PENDULUM
TRC NO. 006




NECK PENDULUM
TRC NO. 006
AMAX= +029.4
AT T= 032.8
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR1
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

NECK PENDULUM
TRC NO. 006



VARIABLE PAX1 TRC006

TIME						
0.00		+000.0	+000.0	+000.1	+000.1	+000.1
1.25		+000.1	+000.1	+000.1	+000.1	+000.1
2.50		+000.1	+000.1	+000.1	+000.1	+000.1
3.75		+000.1	+000.1	+000.1	+000.1	+000.1
5.00		+000.1	+000.1	+000.1	+000.1	+000.1
6.25		+000.1	+000.1	+000.1	+000.1	+000.1
7.50		+000.1	+000.1	+000.1	+000.1	+000.0
8.75		+000.0	+000.0	+000.0	+000.0	+000.0
10.00		+000.0	-000.1	-000.6	-001.5	-003.0
11.25	T1	-005.0	-007.3	-010.0	-012.6	-015.2
12.50		-017.7	T2 -020.0	-021.9	-023.6	-024.9
13.75		-025.8	-026.4	-026.8 max	-026.8	-026.7
15.00		-026.4	-026.0	-025.3	-024.5	-023.8
16.25		-023.0	-022.3	-021.8	-021.4	-021.3 min
17.50		-021.3	-021.5	-021.9	-022.5	-023.4
18.75		-024.5	-025.6	-026.8	-028.1	-029.4
20.00		-030.7	-031.9	-033.0	-033.9	-034.6
21.25		-035.1	-035.4	-035.5 max	-035.5	-035.3
22.50		-034.8	-034.3	-033.6	-032.8	-031.8
23.75		-030.8	-029.7	-028.8	-027.8	-027.0
25.00		-026.1	-025.5	-024.8	-024.2	-023.8
26.25		-023.3	-023.0	-022.8 min	-022.8	-022.8
27.50		-023.1	-023.6	-024.1	-024.8	-025.5
28.75		-026.3	-027.0	-027.7	-028.4	-028.9
30.00		-029.4	-029.6 max	-029.6	-029.2	-028.4
31.25		-027.0	-025.4	-023.4	-021.1 T3	-018.7
32.50		-016.2	-013.7	-011.5	-009.3	-007.6
33.75		-006.0	T4 -004.8	-003.9	-003.2	-002.9
35.00		-002.8	-002.8	-003.1	-003.3	-003.6
36.25		-003.9	-004.1	-004.2	-004.3	-004.2
37.50		-004.0	-003.7	-003.4	-002.9	-002.5
38.75		-001.8	-001.1	-000.4	+000.4	+001.3
40.00		+002.1	+003.1	+003.9	+004.6	+005.3
41.25		+005.9	+006.4	+006.7	+006.9	+007.0
42.50		+007.0	+006.8	+006.4	+006.0	+005.4
43.75		+004.7	+003.9	+003.0	+002.1	+001.2
45.00		+000.4	-000.2	-000.8	-001.2	-001.5
46.25		-001.7	-001.7	-001.7	-001.5	-001.2
47.50		-001.0	-000.7	-000.3	+000.0	+000.3
48.75		+000.7	+001.2	+001.5	+002.0	+002.3
50.00		+002.6	+002.8	+003.0	+003.1	+003.2
51.25		+003.2	+003.1	+002.9	+002.6	+002.3
52.50		+001.9	+001.4	+000.9	+000.4	+000.0
53.75		-000.3	-000.6	-000.7	-000.9	-000.8
55.00		-000.6	-000.5	-000.3	+000.0	+000.2
56.25		+000.4	+000.7	+001.0	+001.2	+001.4
57.50		+001.5	+001.5	+001.5	+001.5	+001.4
58.75		+001.2	+000.9	+000.7	+000.4	+000.1
60.00		-000.1	-000.3	-000.6	-000.7	-000.9
61.25		-000.9	-000.9	-001.0	-001.0	-000.9
62.50		-000.9	-000.9	-000.9	-000.9	-000.8
63.75		-000.8	-000.7	-000.7	-000.6	-000.6
65.00		-000.6	-000.6	-000.7	-000.8	-000.9
66.25		-001.2	-001.4	-001.5	-001.8	-002.0
67.50		-002.1	-002.3	-002.3	-002.3	-002.2
68.75		-002.1	-002.0	-001.8	-001.6	-001.5
70.00		-001.4	-001.2	-001.2	-001.2	-001.2
71.25		-001.3	-001.4	-001.5	-001.6	-001.7
72.50		-001.8	-001.9	-002.0	-002.0	-002.0
73.75		-001.9	-001.8	-001.7	-001.5	-001.2

VARIABLE	PAX1 TRC006				
75.00	-001.0	-000.7	-000.4	-000.2	+000.0
76.25	+000.1	+000.4	+000.6	+000.7	+000.8
77.50	+000.9	+001.0	+001.2	+001.2	+001.2
78.75	+001.2	+001.2	+001.1	+001.0	+000.8
80.00	+000.7	+000.5	+000.3	+000.1	+000.0
81.25	-000.0	-000.1	-000.1	-000.1	-000.0
82.50	+000.0	+000.1	+000.3	+000.4	+000.6
83.75	+000.7	+000.7	+000.8	+000.8	+000.8
85.00	+000.7	+000.7	+000.7	+000.6	+000.6
86.25	+000.5	+000.4	+000.4	+000.4	+000.4
87.50	+000.4	+000.4	+000.5	+000.6	+000.6
88.75	+000.7	+000.8	+000.9	+001.0	+001.1
90.00	+001.2	+001.3	+001.4	+001.5	+001.6
91.25	+001.7	+001.8	+001.8	+001.9	+001.9
92.50	+001.9	+001.8	+001.8	+001.7	+001.6
93.75	+001.5	+001.3	+001.2	+001.0	+000.8
95.00	+000.7	+000.6	+000.4	+000.4	+000.4
96.25	+000.4	+000.4	+000.4	+000.5	+000.6
97.50	+000.6	+000.7	+000.7	+000.7	+000.6
98.75	+000.4	+000.3	+000.1	+000.0	-000.2

Head/Neck Pendulum
Dummy No. 31, Run No. 2 -

3 APR 78

3 YR. OLD NECK PENDULUM

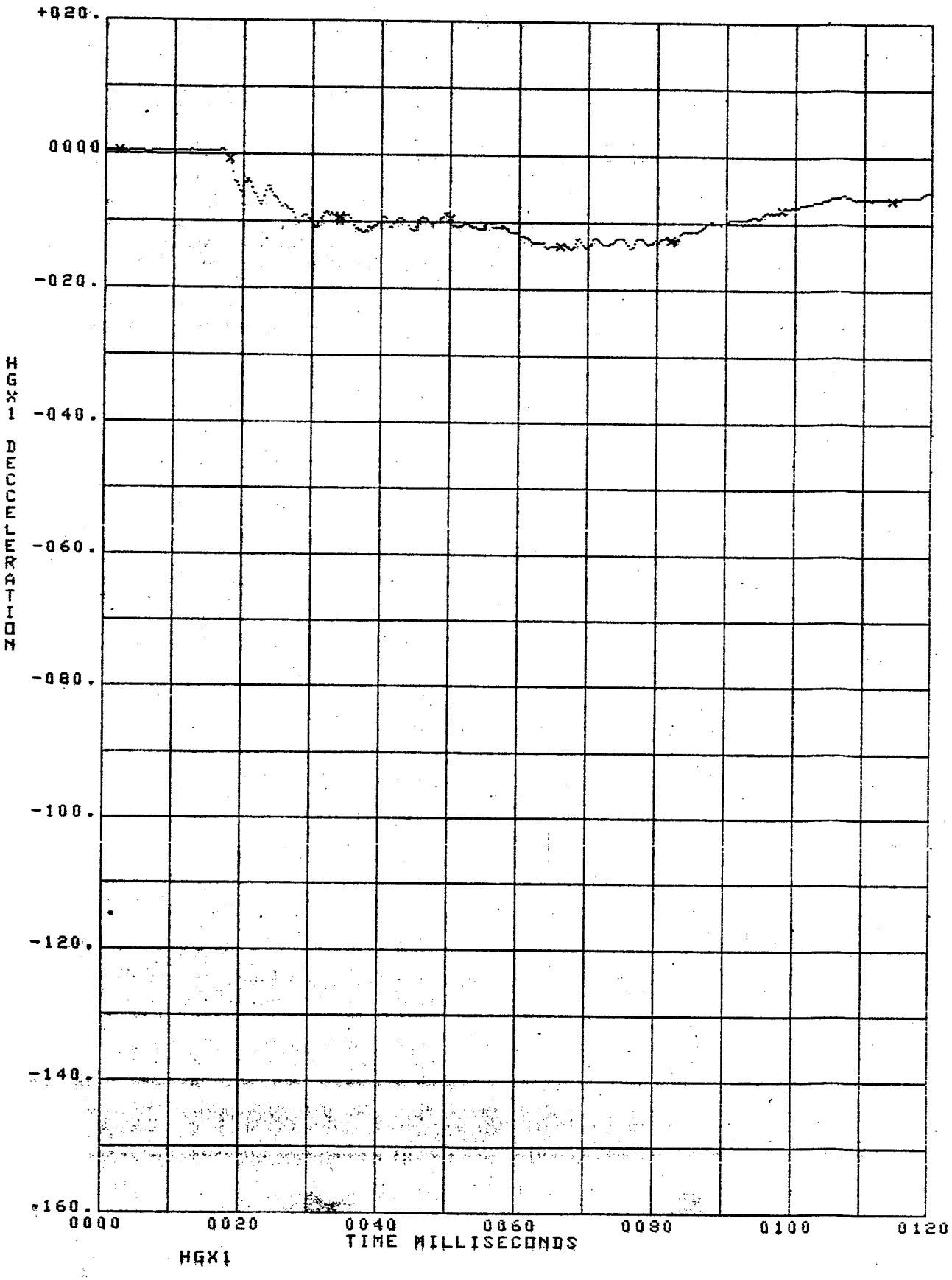
TEST # 007

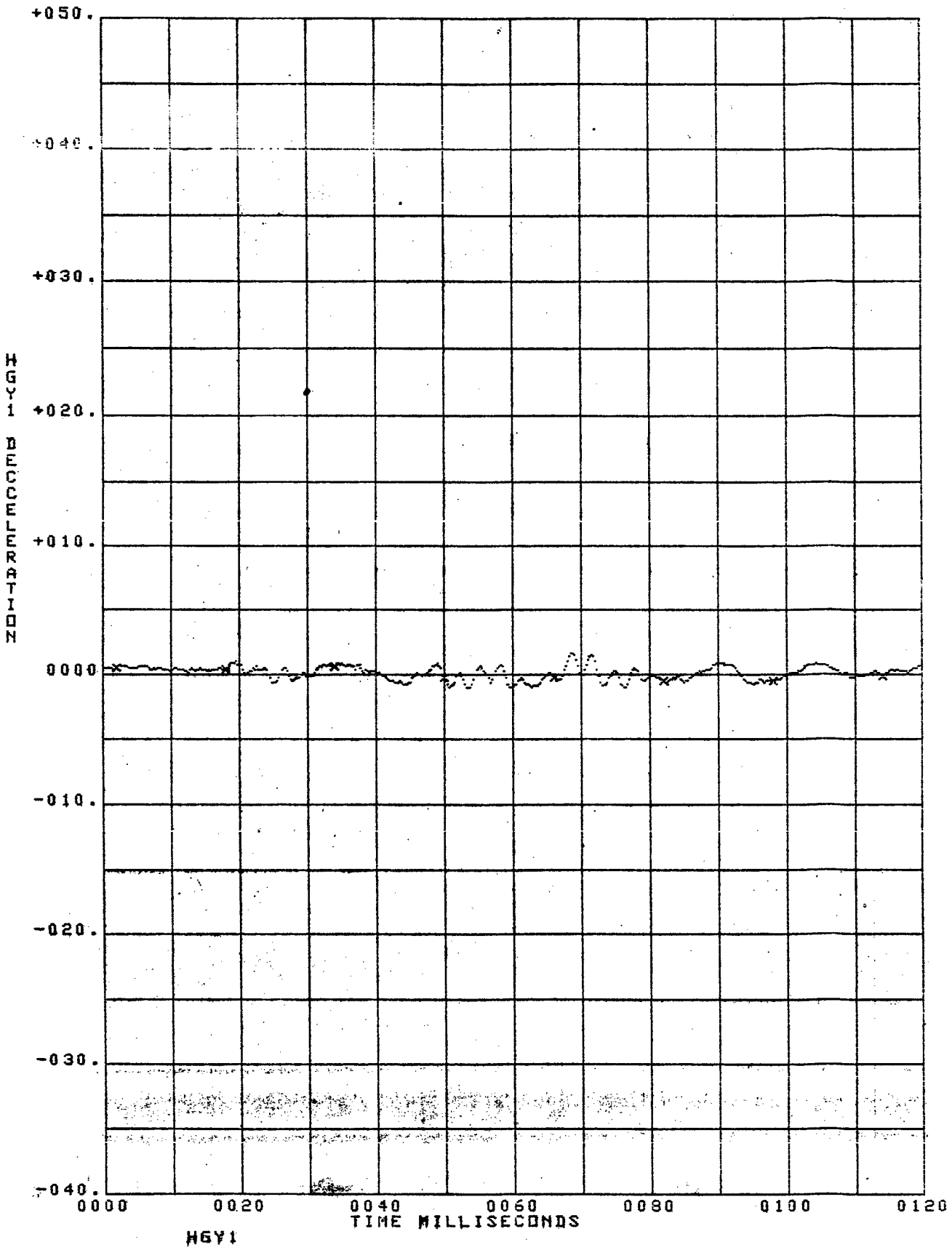
RELEASE hole # - 9
" hgt. 84 3/4"
HEAD # 31
HEXCELL Standard
VELOCITY 17.25 fps

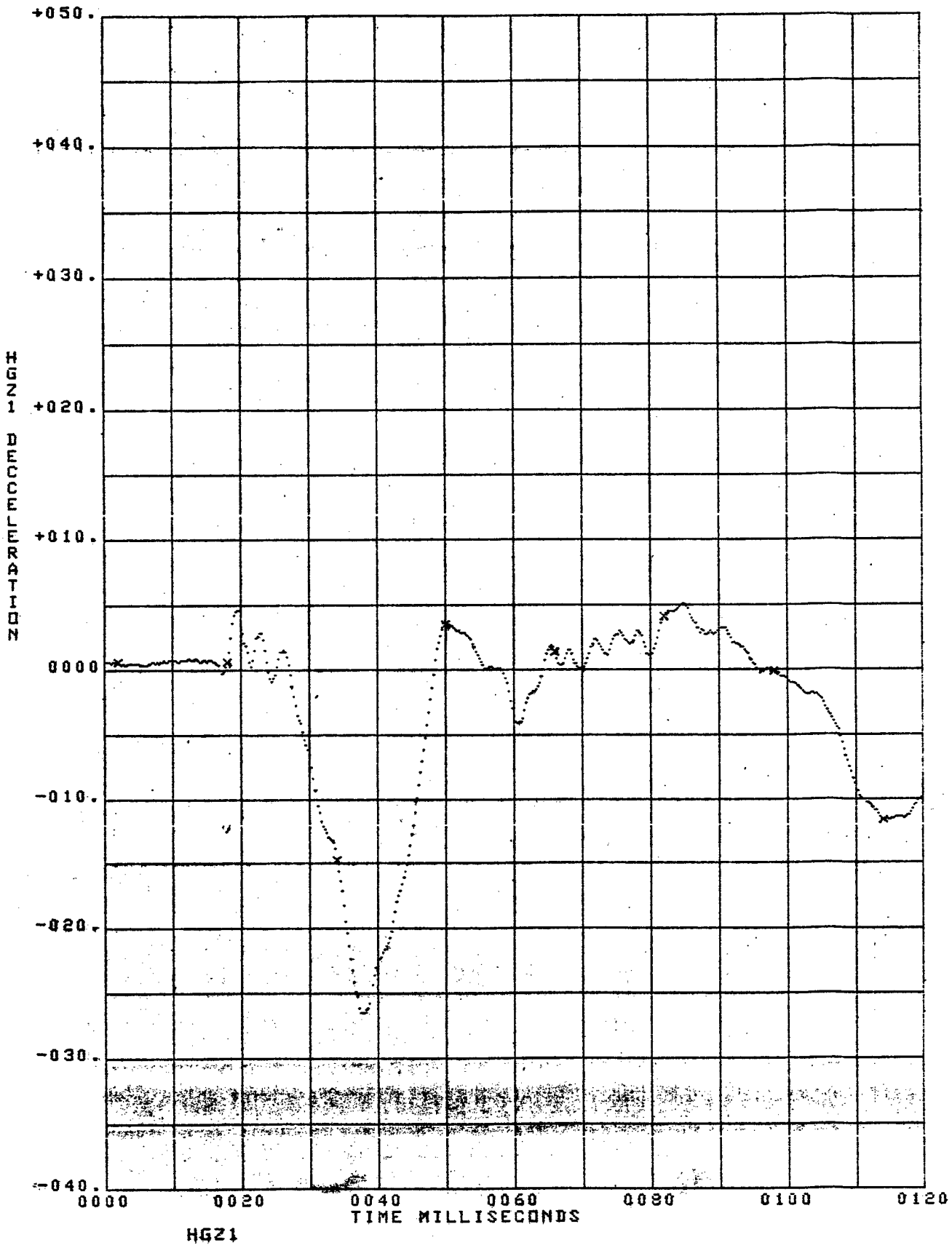
RESULTS

HEXCELL crushed to	4.0"
RESULTANT	29.2G
T2 - T1	1.5 m s
T3 - T2	19.25 m s
T4 - T3	2.25 m s
AVE T3-T2	25.9G

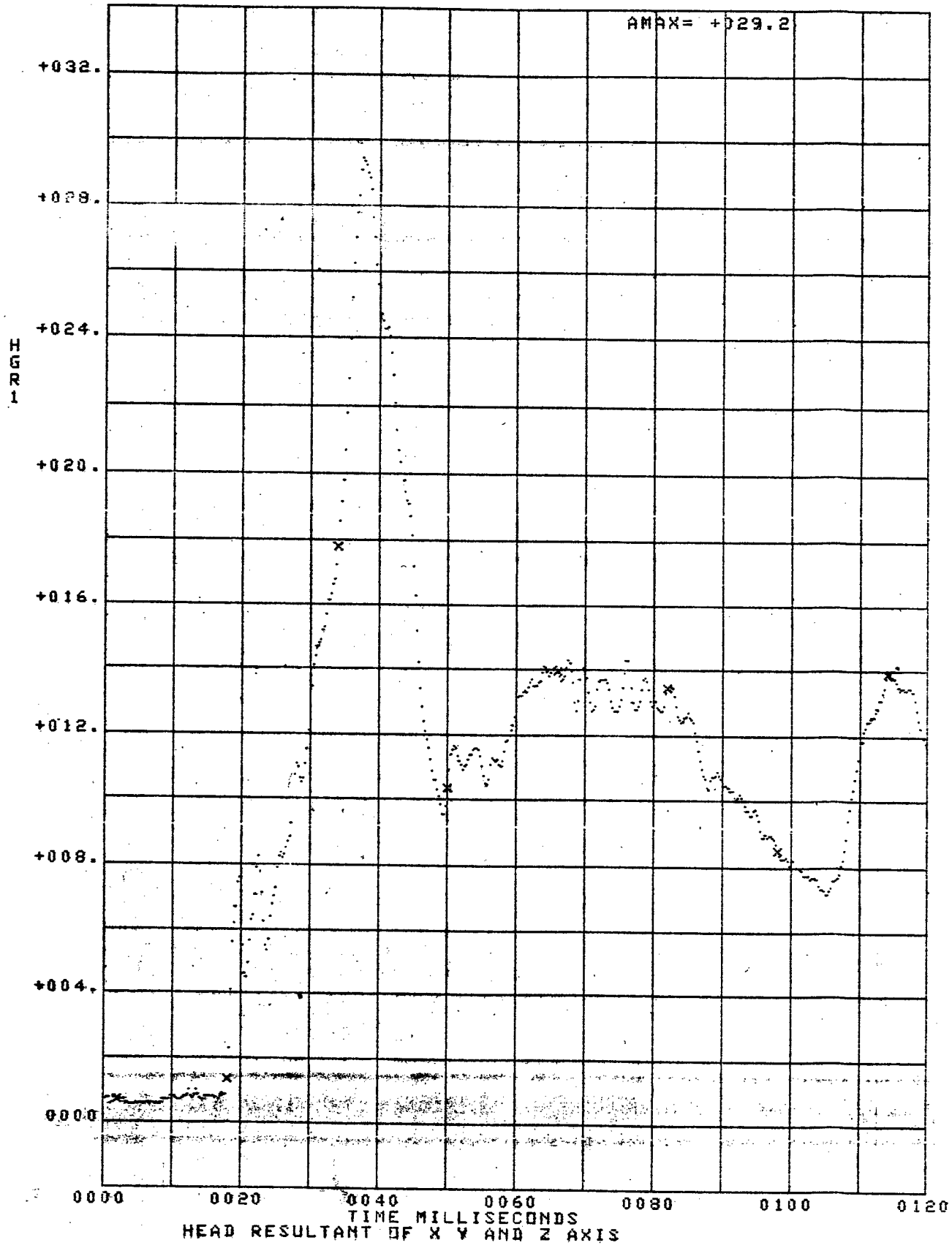
Rotation	Time	Disp
0°	0 ms	0 in.
30°	23	2.55
60°	38	4.46
79°	64	5.51
60°	87	4.19
30°	103	2.48
0°	121	-0.17

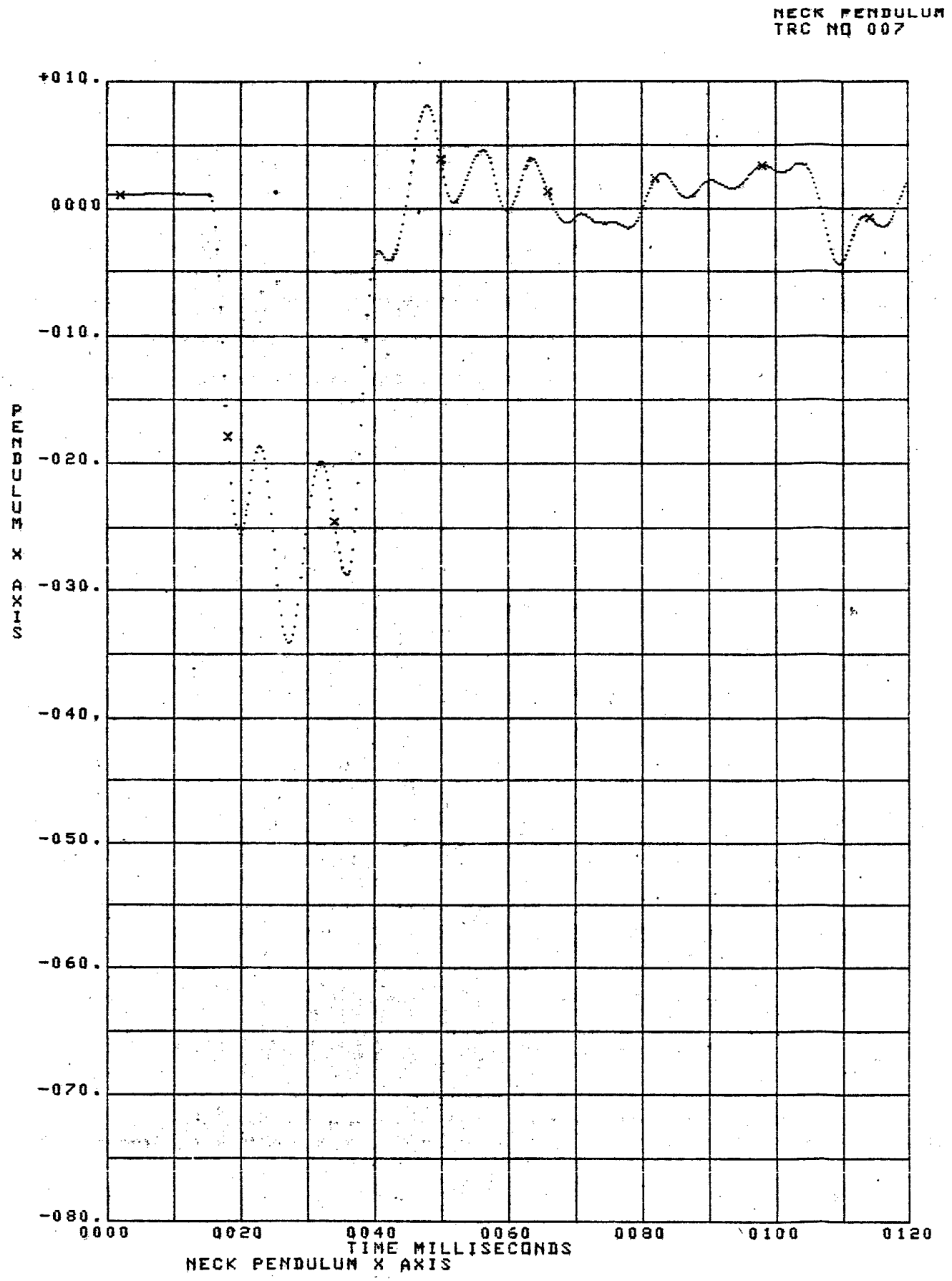

NECK PENDULUM
TRC NO 007
+020.
0000
-020.
-040.
-060.
-080.
-100.
-120.
-140.
-160.
HGX1 DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGX1


NECK PENDULUM
TRC NO 007
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGY1


NECK PENDULUM
TRC NO 007
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGZ1 DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGZ1

NECK PENDULUM
TRC NO 007




NECK PENDULUM
TRC NO 007
+010.
0000
-010.
-020.
-030.
-040.
-050.
-060.
-070.
-080.
PENDULUM X AXIS
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
NECK PENDULUM X AXIS

VARIABLE PAX1 TRC007

TIME					
0.00	+000.9	+000.9	+000.9	+000.9	+000.9
1.25	+000.9	+000.9	+001.0	+001.0	+001.0
2.50	+001.0	+001.0	+001.0	+001.0	+001.0
3.75	+001.0	+001.0	+001.0	+001.0	+001.0
5.00	+001.0	+001.0	+001.0	+001.0	+001.0
6.25	+001.0	+001.0	+001.0	+001.0	+001.0
7.50	+001.0	+001.0	+001.0	+001.0	+001.0
8.75	+001.0	+001.0	+001.0	+001.0	+001.0
10.00	+001.0	+001.0	+001.0	+001.0	+001.0
11.25	+001.0	+001.0	+001.0	+001.0	+001.0
12.50	+001.0	+001.0	+001.0	+001.0	+001.0
13.75	+001.0	+000.9	+000.9	+000.9	+000.9
15.00	+000.9	+000.8	+000.4	-000.2	-001.6
16.25	-003.3 T1	-005.5	-007.8	-010.5	-013.1
17.50	-015.5	-017.9 T2	-019.8	-021.5	-022.8
18.75	-023.9	-024.7	-025.1	-025.5	-025.4
20.00	-025.1	-024.6	-024.0	-023.2	-022.3
21.25	-021.3	-020.5	-019.8	-019.1	-018.8
22.50	-018.6	-018.7	-019.0	-019.6	-020.4
23.75	-021.3	-022.6	-023.9	-025.2	-026.8
25.00	-028.2	-029.6	-030.9	-032.0	-032.8
26.25	-033.4	-033.8	-034.1	-034.1	-033.9
27.50	-033.4	-032.9	-032.0	-031.1	-030.0
28.75	-028.9	-027.8	-026.7	-025.5	-024.5
30.00	-023.4	-022.4	-021.6	-021.0	-020.5
31.25	-020.1	-019.9	-019.8	-019.9	-020.2
32.50	-020.6	-021.2	-021.9	-022.7	-023.6
33.75	-024.5	-025.4	-026.2	-027.0	-027.6
35.00	-028.1	-028.5	-028.7	-028.7	-028.4
36.25	-027.8	-026.7	-025.2	-023.5 T3	-021.5
37.50	-019.3	-016.9	-014.6	-012.4	-010.3
38.75	-008.5	-006.9	-005.7 T4	-004.7	-004.1
40.00	-003.6	-003.5	-003.5	-003.6	-003.7
41.25	-003.9	-004.0	-004.1	-004.1	-004.1
42.50	-003.9	-003.7	-003.3	-003.0	-002.5
43.75	-001.9	-001.3	-000.6	+000.0	+000.9
45.00	+001.8	+002.6	+003.6	+004.4	+005.3
46.25	+005.9	+006.6	+007.1	+007.5	+007.8
47.50	+007.9	+007.9	+007.8	+007.5	+007.2
48.75	+006.6	+005.9	+005.3	+004.4	+003.7
50.00	+002.9	+002.3	+001.7	+001.1	+000.7
51.25	+000.4	+000.3	+000.3	+000.4	+000.6
52.50	+000.8	+001.1	+001.4	+001.7	+002.0
53.75	+002.4	+002.7	+003.1	+003.4	+003.7
55.00	+003.9	+004.1	+004.3	+004.3	+004.4
56.25	+004.4	+004.3	+004.1	+003.8	+003.4
57.50	+002.9	+002.4	+001.8	+001.3	+000.8
58.75	+000.4	+000.1	-000.0	-000.2	-000.2
60.00	-000.1	-000.0	+000.1	+000.4	+000.7
61.25	+001.2	+001.6	+002.0	+002.5	+002.9
62.50	+003.2	+003.5	+003.6	+003.7	+003.7
63.75	+003.6	+003.4	+003.1	+002.8	+002.5
65.00	+002.2	+001.9	+001.6	+001.2	+000.9
66.25	+000.5	+000.2	-000.0	-000.3	-000.6
67.50	-000.8	-000.9	-001.1	-001.1	-001.2
68.75	-001.2	-001.1	-001.0	-001.0	-000.8
70.00	-000.7	-000.6	-000.5	-000.5	-000.5
71.25	-000.6	-000.7	-000.8	-000.8	-000.9
72.50	-001.0	-001.1	-001.1	-001.2	-001.2
73.75	-001.2	-001.3	-001.2	-001.3	-001.2

VARIABLE	PAX1 TRC007				
75.00	-001.2	-001.2	-001.2	-001.2	-001.2
76.25	-001.3	-001.3	-001.4	-001.4	-001.5
77.50	-001.6	-001.6	-001.6	-001.5	-001.4
78.75	-001.3	-001.0	-000.8	-000.5	-000.2
80.00	+000.1	+000.4	+000.8	+001.1	+001.4
81.25	+001.7	+001.9	+002.1	+002.3	+002.5
82.50	+002.5	+002.6	+002.6	+002.5	+002.5
83.75	+002.3	+002.1	+002.0	+001.7	+001.5
85.00	+001.4	+001.1	+001.0	+000.8	+000.7
86.25	+000.7	+000.6	+000.7	+000.7	+000.8
87.50	+000.9	+001.0	+001.2	+001.4	+001.5
88.75	+001.7	+001.8	+001.9	+002.0	+002.0
90.00	+002.0	+002.0	+002.0	+002.0	+001.9
91.25	+001.8	+001.8	+001.7	+001.7	+001.6
92.50	+001.5	+001.5	+001.5	+001.4	+001.4
93.75	+001.5	+001.5	+001.6	+001.7	+001.8
95.00	+001.9	+002.1	+002.2	+002.4	+002.5
96.25	+002.6	+002.8	+002.9	+003.0	+003.1
97.50	+003.2	+003.2	+003.2	+003.2	+003.1
98.75	+003.1	+003.0	+002.9	+002.8	+002.8
100.00	+002.7	+002.6	+002.6	+002.6	+002.6
101.25	+002.7	+002.8	+002.8	+002.9	+003.1
102.50	+003.2	+003.2	+003.3	+003.3	+003.3
103.75	+003.3	+003.2	+003.1	+002.9	+002.8
105.00	+002.5	+002.2	+001.8	+001.5	+001.0
106.25	+000.5	+000.0	-000.5	-001.1	-001.6
107.50	-002.2	-002.7	-003.3	-003.6	-004.0
108.75	-004.3	-004.4	-004.5	-004.4	-004.3
110.00	-004.1	-003.8	-003.4	-003.0	-002.6
111.25	-002.2	-001.8	-001.5	-001.3	-001.0
112.50	-000.8	-000.7	-000.7	-000.7	-000.7
113.75	-000.8	-000.9	-001.0	-001.1	-001.3
115.00	-001.4	-001.4	-001.5	-001.5	-001.5
116.25	-001.4	-001.3	-001.1	-000.9	-000.7
117.50	-000.3	-000.0	+000.2	+000.6	+000.9
118.75	+001.2	+001.5	+001.8	+002.0	+000.0

Head/Neck Pendulum
Dummy No. 31, Run No. 3

3 APR 78

3 YR. OLD NECK PENDULUM

TEST # 009

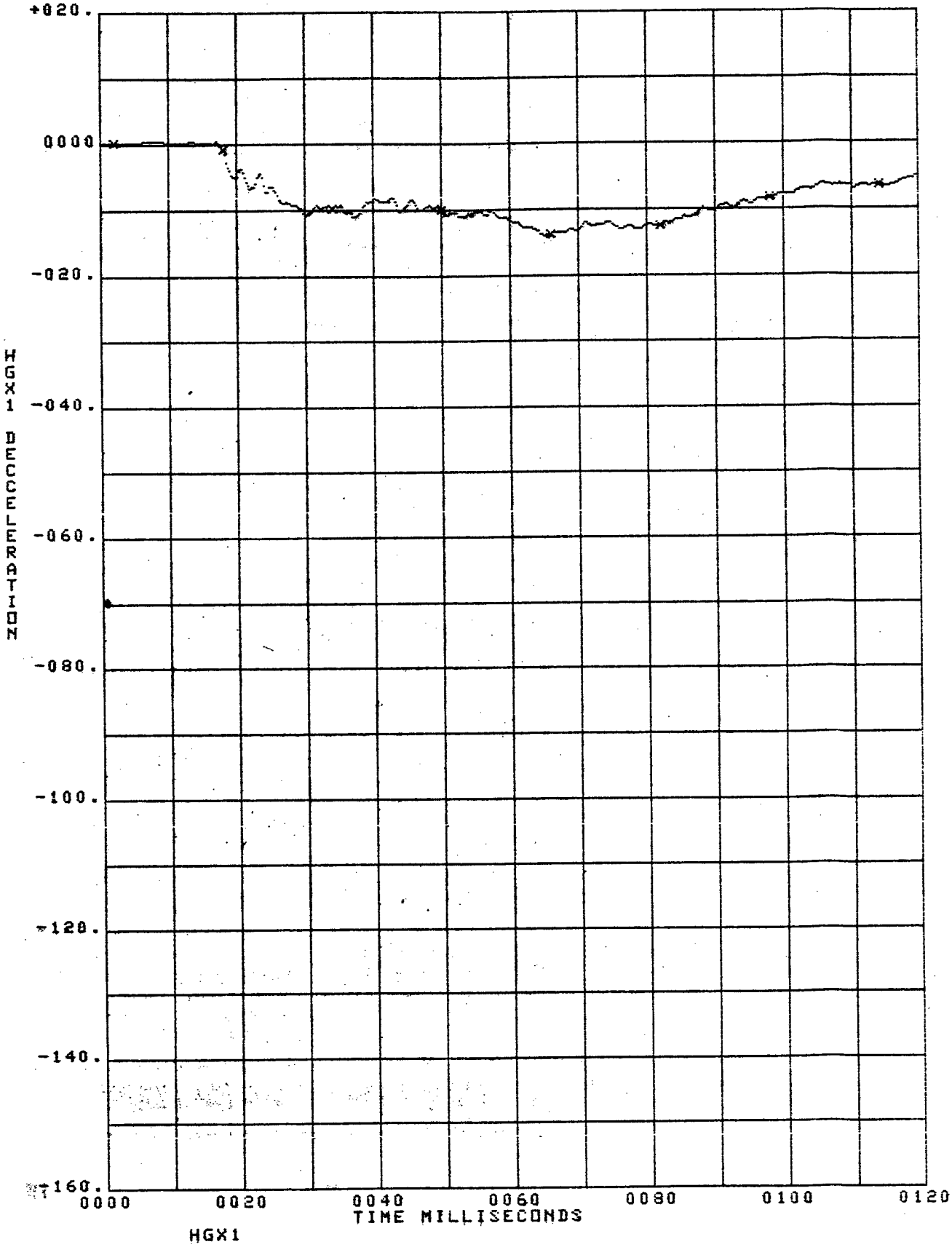
RELEASE hole # 9
" hgt. 84 3/4"
HEAD # 31
HEXCELL standard
Velocity 17.25 fps

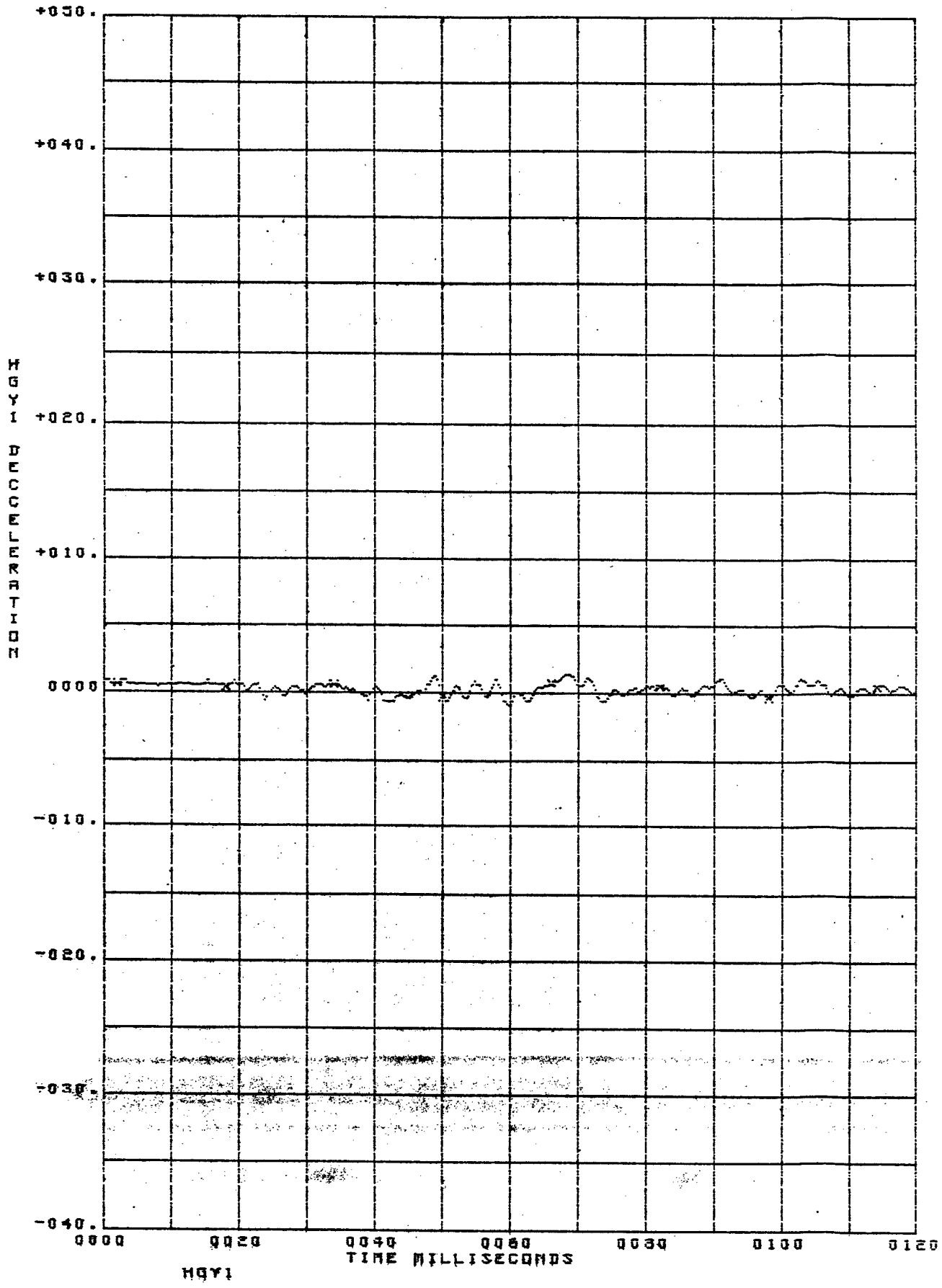
RESULTS

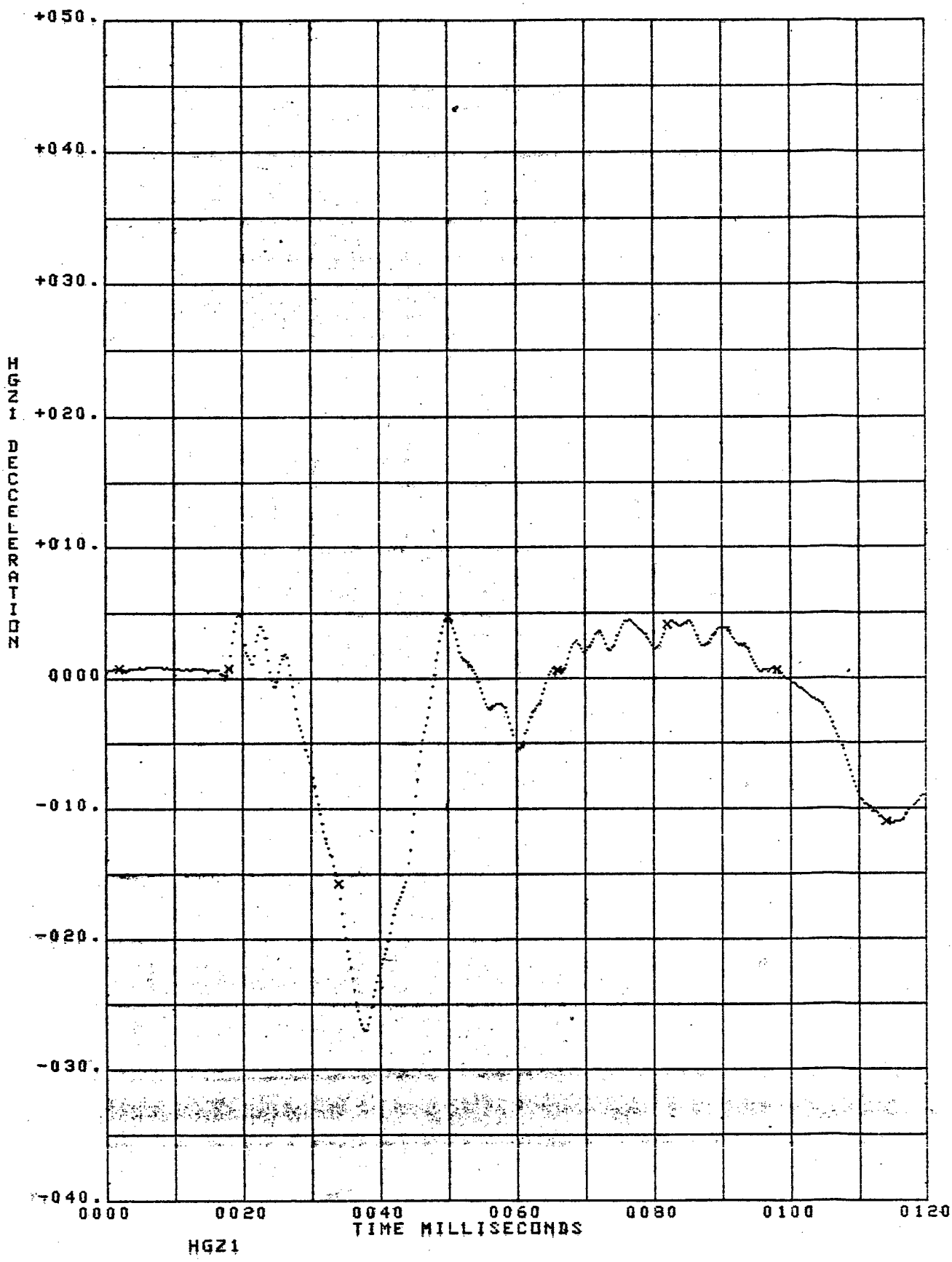
HEXCELL crushed to 4.0"
Resultant 29.4G
T2 - T1 1.5 ms
T3 - T2 19.5 ms
T4 - T3 2.5 ms
Ave T3-T2 26.1 G

Rotation	Time	Disp
0°	0 ms	0 in
30°	23	2.25
60°	38	4.26
77°	62	5.69
60°	91	4.26
30°	109	2.25
0°	124	0

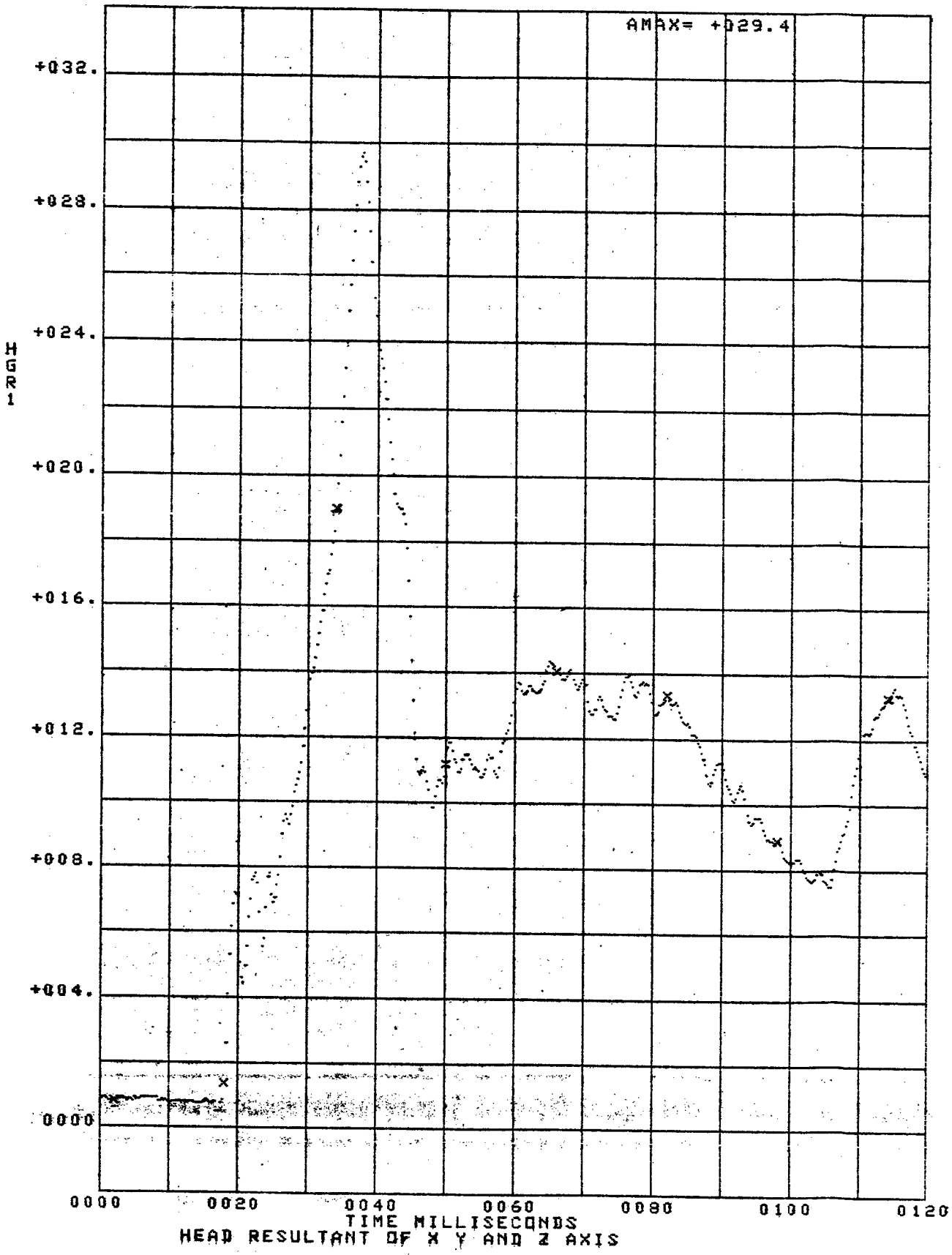
NECK PENDULUM
TRC NO 009



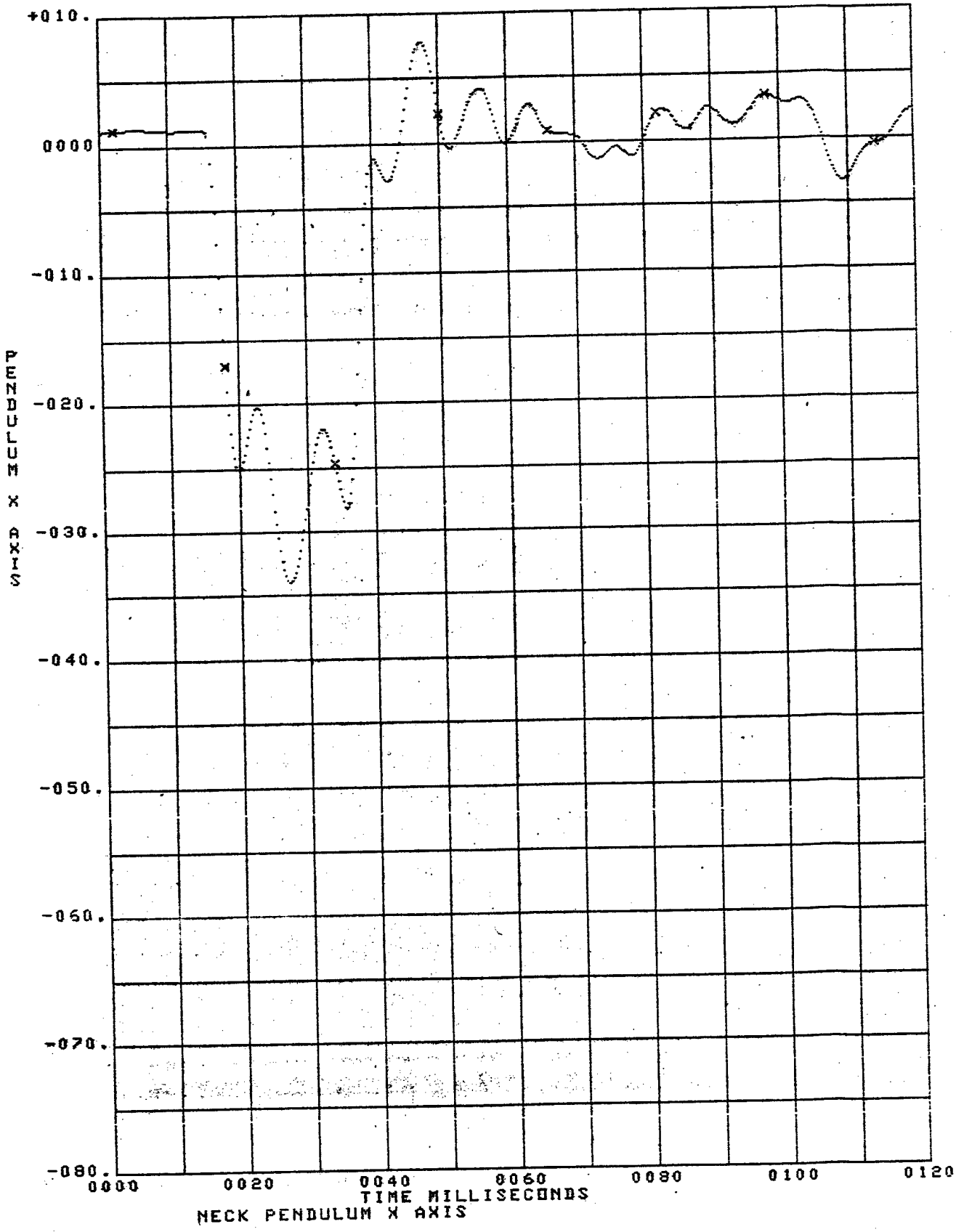

NECK PENDULUM
TRC NO 009
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGYI DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGYI


NECK PENDULUM
TRC NO 009
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGZI DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGZ1

NECK PENDULUM
TRC NO 009



NECK PENDULUM
TRC NO 009



Head/Neck Pendulum
Dummy No. 32, Run No. 1

23 MAR 78

3 YR. OLD NECK PENDULUM

TEST # 004

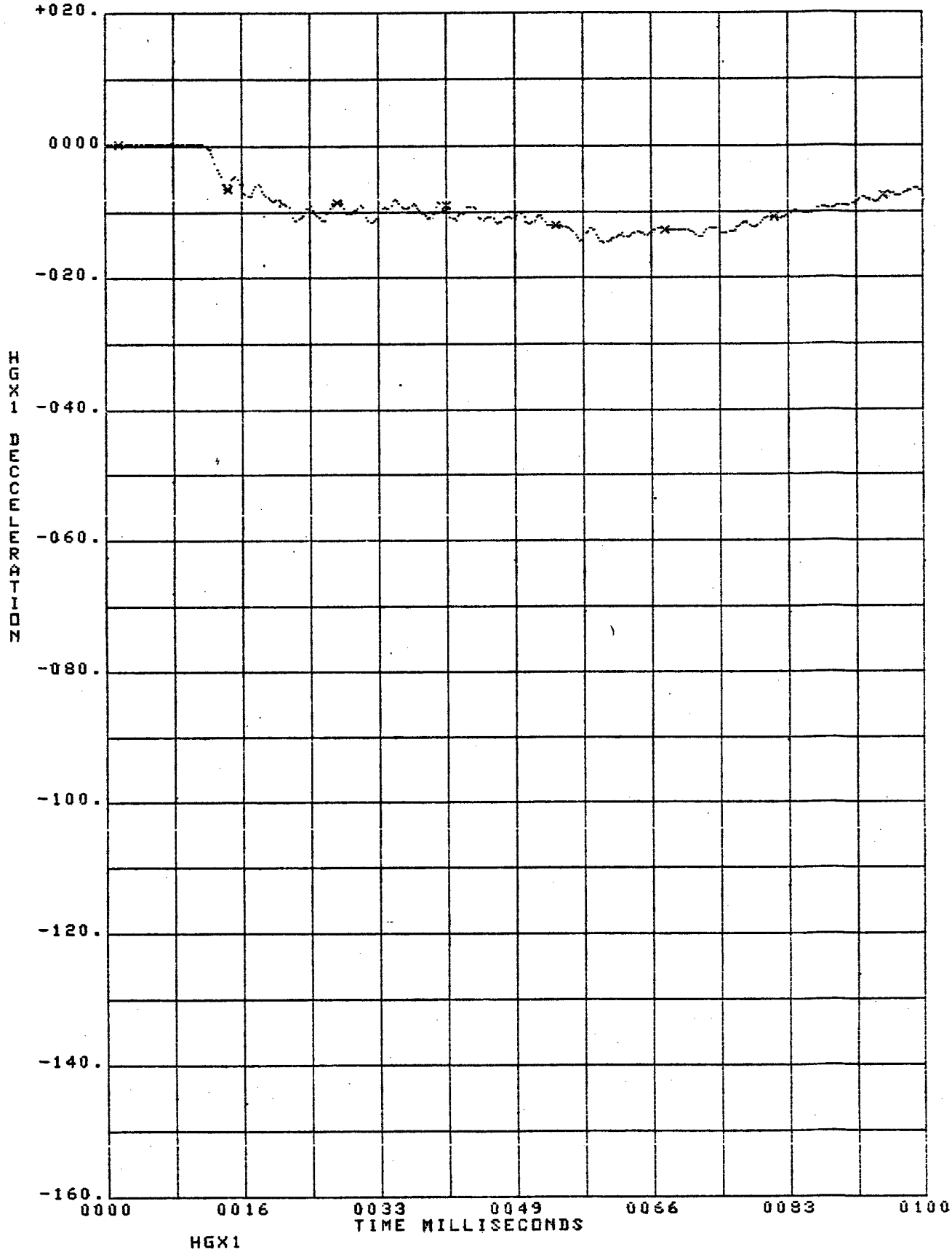
RELEASE hole #	= 9
" hgt.	84 3/4"
HEAD #	= 32
HEXCELL	STANDARD
VELOCITY	17.25 FPS

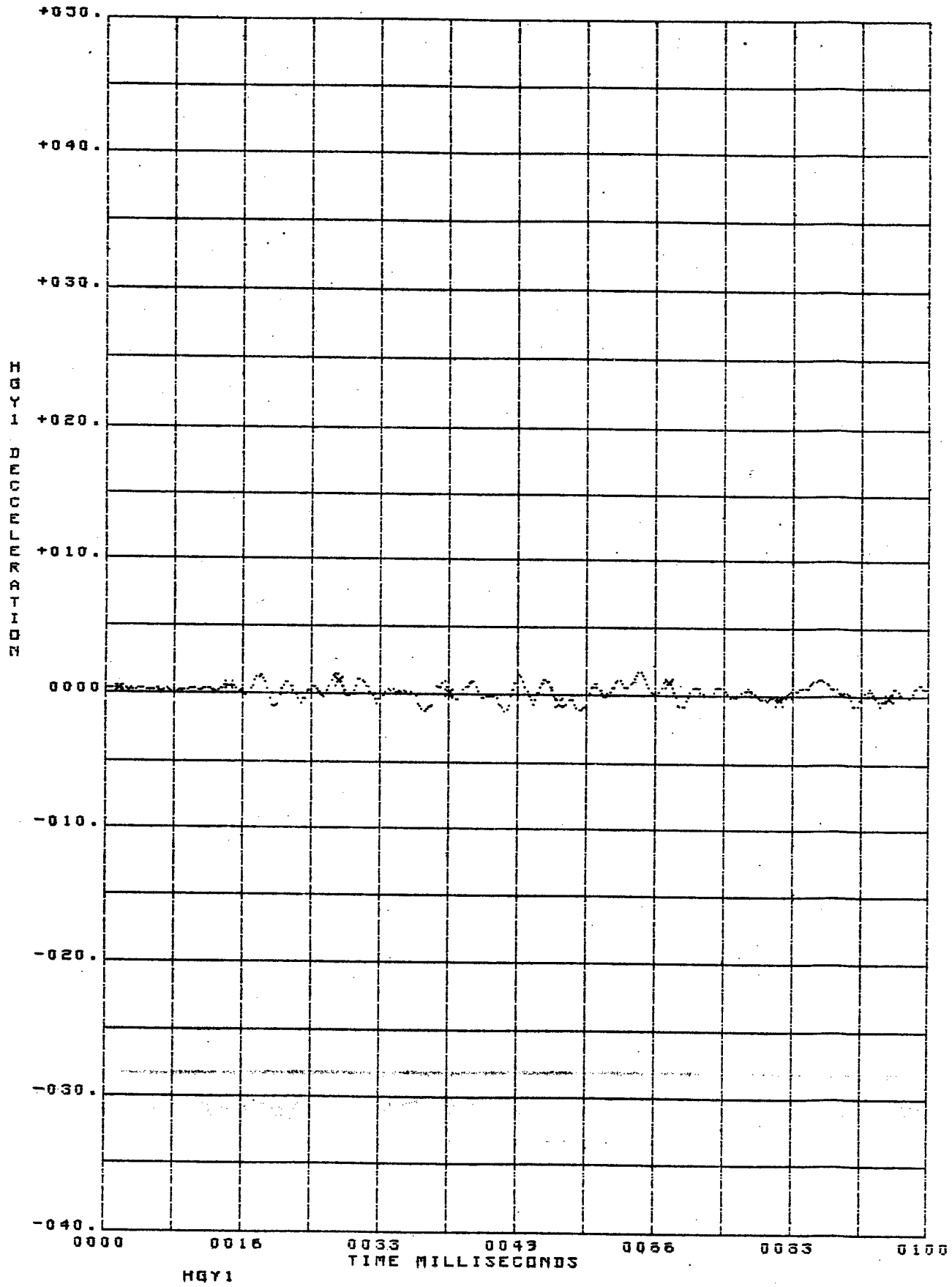
RESULTS

HEXCELL crushed to	4.0"
RESULTANT	30.2 G
T2 - T1	1.5 m s
T3 - T2	19.25 m s
T4 - T3	2.0 m s
AVE T3-T2	26.4 G

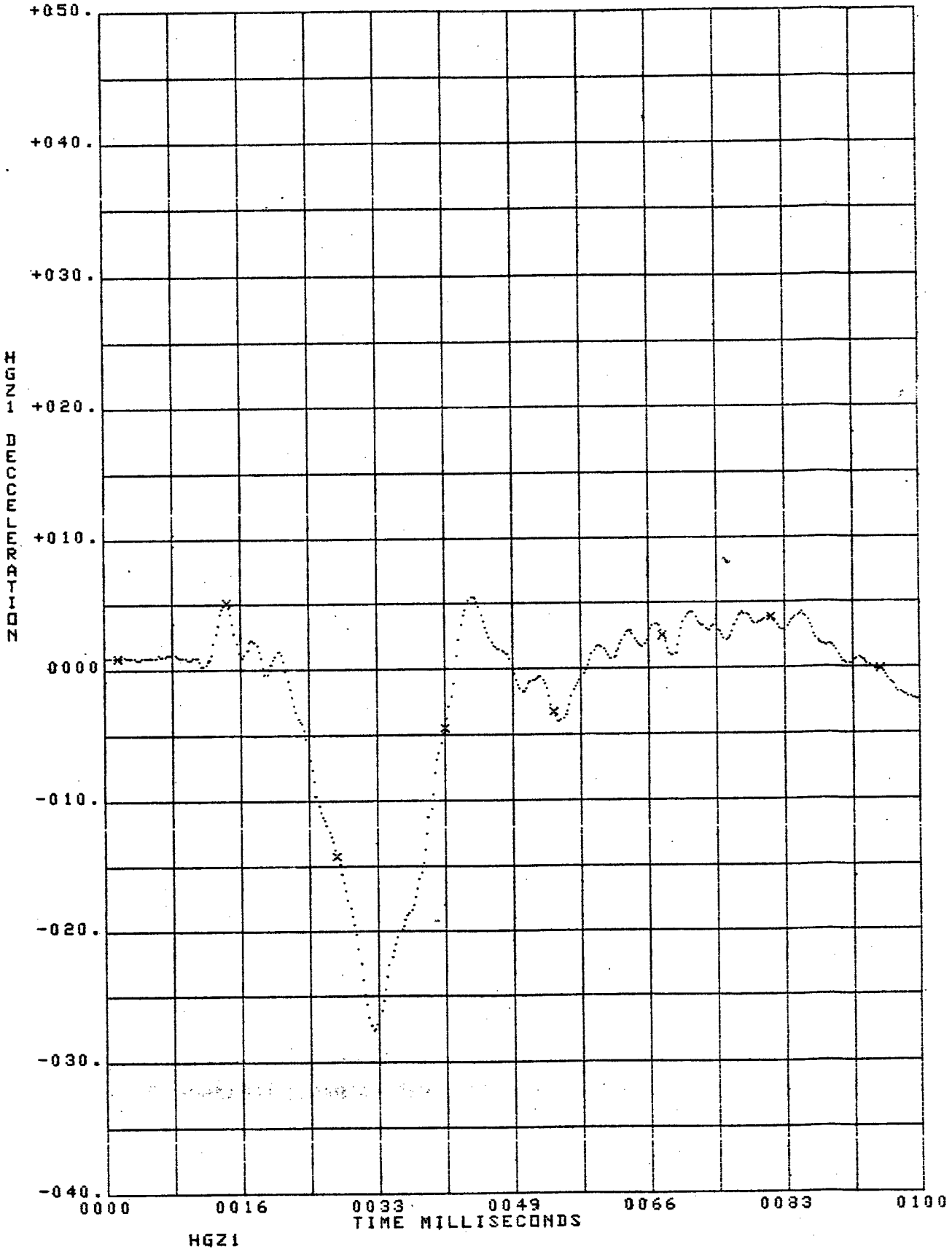
Rotation	Time	Disp
0°	0 m s	0 in.
30°	20	1.81
60°	34	3.74
90°	58	5.28
60°	87	4.19
30°	107	2.14
0°	123	-0.08

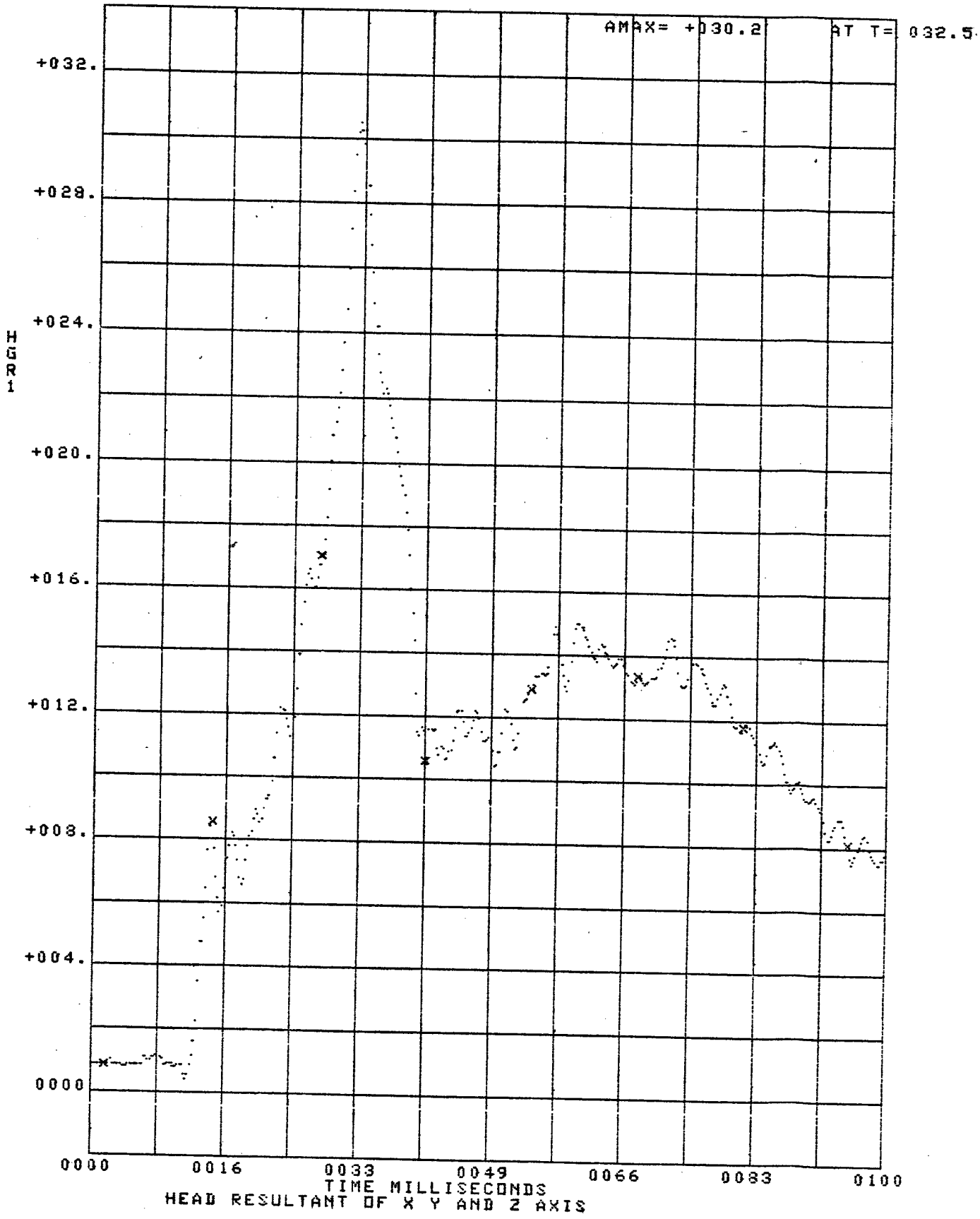
NECK PENDULUM
TRC NO. 004



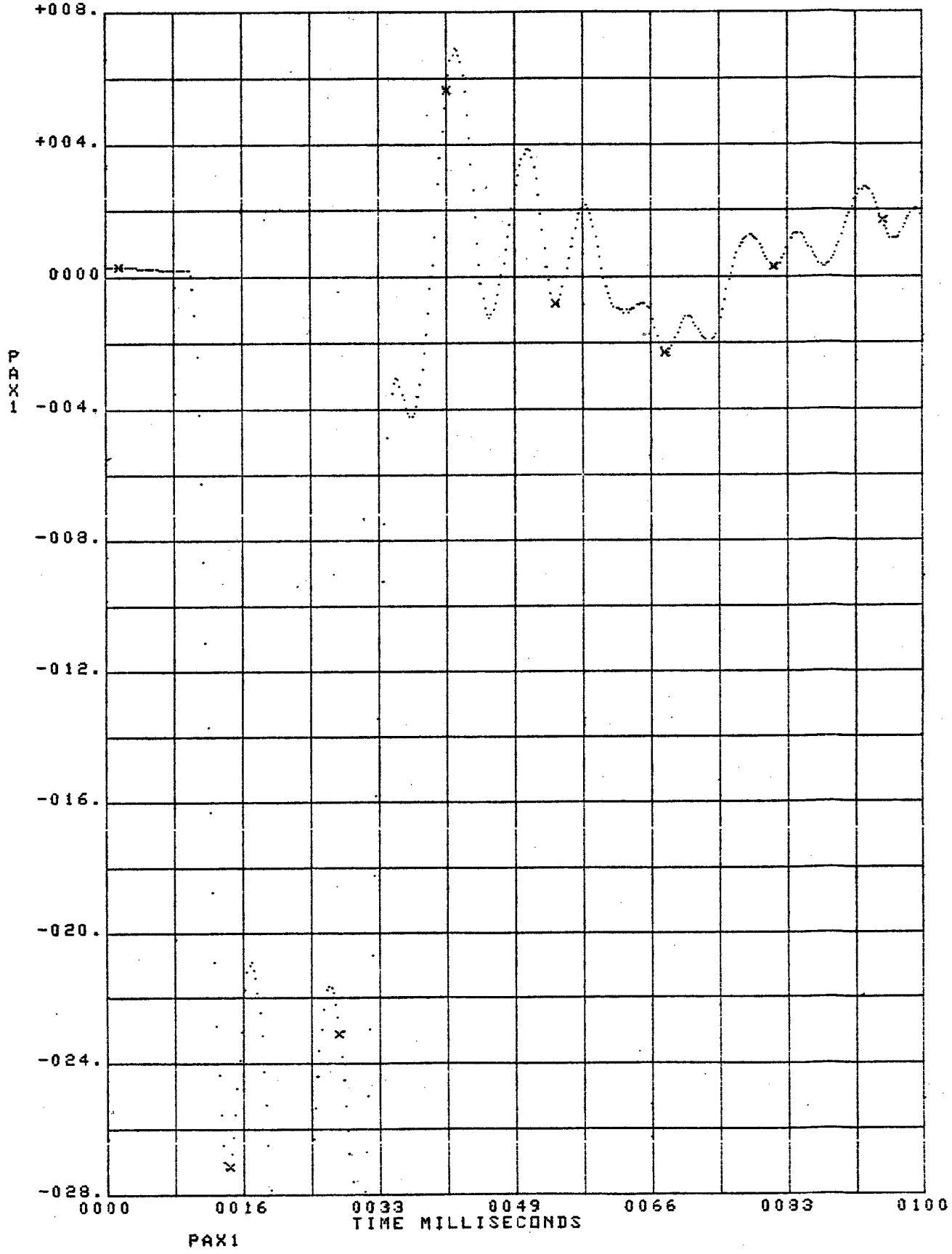

NECK PENEULUM
TRC NO. 004
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HGY1

NECK PENEULUM
TRC NO. 004




NECK PENEULUM
TRC NO. 004
AMAX= +030.2
AT T= 032.5
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR 1
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

NECK PENEULUM
TRC NO. 004



VARIABLE PAX1 TRC004

TIME					
0.00	+000.1	+000.1	+000.1	+000.1	+000.1
1.25	+000.1	+000.1	+000.1	+000.1	+000.1
2.50	+000.1	+000.1	+000.1	+000.1	+000.1
3.75	+000.0	+000.0	+000.0	+000.0	+000.0
5.00	+000.0	+000.0	+000.0	+000.0	+000.0
6.25	+000.0	+000.0	+000.0	+000.0	+000.0
7.50	+000.0	+000.0	+000.0	+000.0	+000.0
8.75	+000.0	+000.0	+000.0	+000.0	+000.0
10.00	+000.0	-000.1	-000.5	-001.3	-002.6
11.25	-004.3 T1	-006.5	-008.9	-011.4	-014.0
			13.00		
12.50	-016.7	-019.1 T2	-021.1	-023.0	-024.5
13.75	-025.6	-026.6	-027.0	-027.2	-027.2
15.00	-026.8	-026.3	-025.6	-024.9	-024.1
16.25	-023.2	-022.7	-022.0	-021.4	-021.3
17.50	-021.1	-021.4	-021.6	-022.0	-022.7
18.75	-023.3	-024.4	-025.3	-026.6	-027.8
20.00	-029.1	-030.5	-031.7	-032.8	-033.8
21.25	-034.6	-035.2	-035.5	-035.7	-035.5
22.50	-035.1	-034.6	-033.8	-033.0	-032.2
23.75	-031.3	-030.3	-029.4	-028.4	-027.5
25.00	-026.4	-025.5	-024.5	-023.8	-023.1
26.25	-022.5	-022.2	-022.0	-021.9	-021.9
27.50	-022.0	-022.4	-022.8	-023.3	-023.9
28.75	-024.6	-025.4	-026.1	-026.8	-027.6
30.00	-028.1	-028.7	-029.0	-029.0	-028.7
31.25	-027.9	-026.7	-025.1	-023.1 T3	-020.9 22.25
32.50	-018.6	-016.2	-013.8	-011.5	-009.5
33.75	-007.8	-006.2 T4	-005.1	-004.2	-003.7
35.00	-003.4	-003.2	-003.3	-003.5	-003.7
36.25	-003.9	-004.2	-004.3	-004.4	-004.4
37.50	-004.3	-004.1	-003.8	-003.4	-003.0
38.75	-002.5	-001.9	-001.2	-000.5	+000.1
40.00	+001.0	+001.8	+002.6	+003.4	+004.2
41.25	+005.0	+005.5	+006.0	+006.4	+006.6
42.50	+006.8	+006.7	+006.6	+006.4	+006.0
43.75	+005.4	+004.8	+004.0	+003.2	+002.4
45.00	+001.6	+000.8	+000.1	-000.3	-000.9
46.25	-001.1	-001.3	-001.4	-001.3	-001.2
47.50	-000.9	-000.7	-000.4	-000.1	+000.2
48.75	+000.6	+001.0	+001.4	+001.8	+002.2
50.00	+002.6	+002.9	+003.2	+003.4	+003.6
51.25	+003.7	+003.7	+003.6	+003.4	+003.1
52.50	+002.8	+002.3	+001.7	+001.2	+000.6
53.75	+000.1	-000.3	-000.6	-000.9	-000.9
55.00	-000.9	-000.9	-000.7	-000.4	-000.1
56.25	+000.0	+000.3	+000.7	+000.9	+001.2
57.50	+001.5	+001.7	+001.8	+002.0	+002.0
58.75	+001.8	+001.7	+001.5	+001.3	+001.0
60.00	+000.7	+000.4	+000.0	-000.2	-000.4
61.25	-000.6	-000.8	-000.9	-001.0	-001.1
62.50	-001.1	-001.2	-001.2	-001.2	-001.2
63.75	-001.2	-001.2	-001.1	-001.1	-001.0
65.00	-001.0	-000.9	-000.9	-000.9	-001.0
66.25	-001.1	-001.3	-001.5	-001.7	-002.0
67.50	-002.1	-002.3	-002.5	-002.5	-002.5
68.75	-002.4	-002.3	-002.1	-002.0	-001.8
70.00	-001.7	-001.5	-001.5	-001.4	-001.4
71.25	-001.4	-001.4	-001.5	-001.7	-001.8
72.50	-001.8	-002.0	-002.0	-002.1	-002.1
73.75	-002.1	-002.1	-002.0	-001.9	-001.7

VARIABLE	PAX1 TRC004				
75.00	-001.4	-001.2	-000.9	-000.6	-000.3
76.25	-000.0	+000.1	+000.3	+000.5	+000.7
77.50	+000.8	+000.9	+000.9	+001.0	+001.0
78.75	+001.0	+001.0	+000.9	+000.9	+000.7
80.00	+000.6	+000.5	+000.4	+000.3	+000.2
81.25	+000.1	+000.1	+000.1	+000.1	+000.2
82.50	+000.3	+000.4	+000.6	+000.8	+000.9
83.75	+001.0	+001.1	+001.1	+001.1	+001.1
85.00	+001.0	+000.9	+000.8	+000.7	+000.6
86.25	+000.5	+000.4	+000.3	+000.2	+000.1
87.50	+000.1	+000.1	+000.1	+000.2	+000.3
88.75	+000.4	+000.5	+000.7	+000.8	+001.0
90.00	+001.2	+001.4	+001.6	+001.7	+001.9
91.25	+002.1	+002.2	+002.3	+002.4	+002.4
92.50	+002.5	+002.5	+002.5	+002.4	+002.3
93.75	+002.1	+002.0	+001.8	+001.7	+001.5
95.00	+001.3	+001.2	+001.0	+000.9	+000.9
96.25	+000.9	+000.9	+001.0	+001.1	+001.2
97.50	+001.4	+001.5	+001.6	+001.7	+001.8
98.75	+001.8	+001.8	+001.8	+001.7	+001.5

Head/Neck Pendulum
Dummy No. 32, Run No. 2

24 MAR. 78

3 YR. OLD NECK PENDULUM

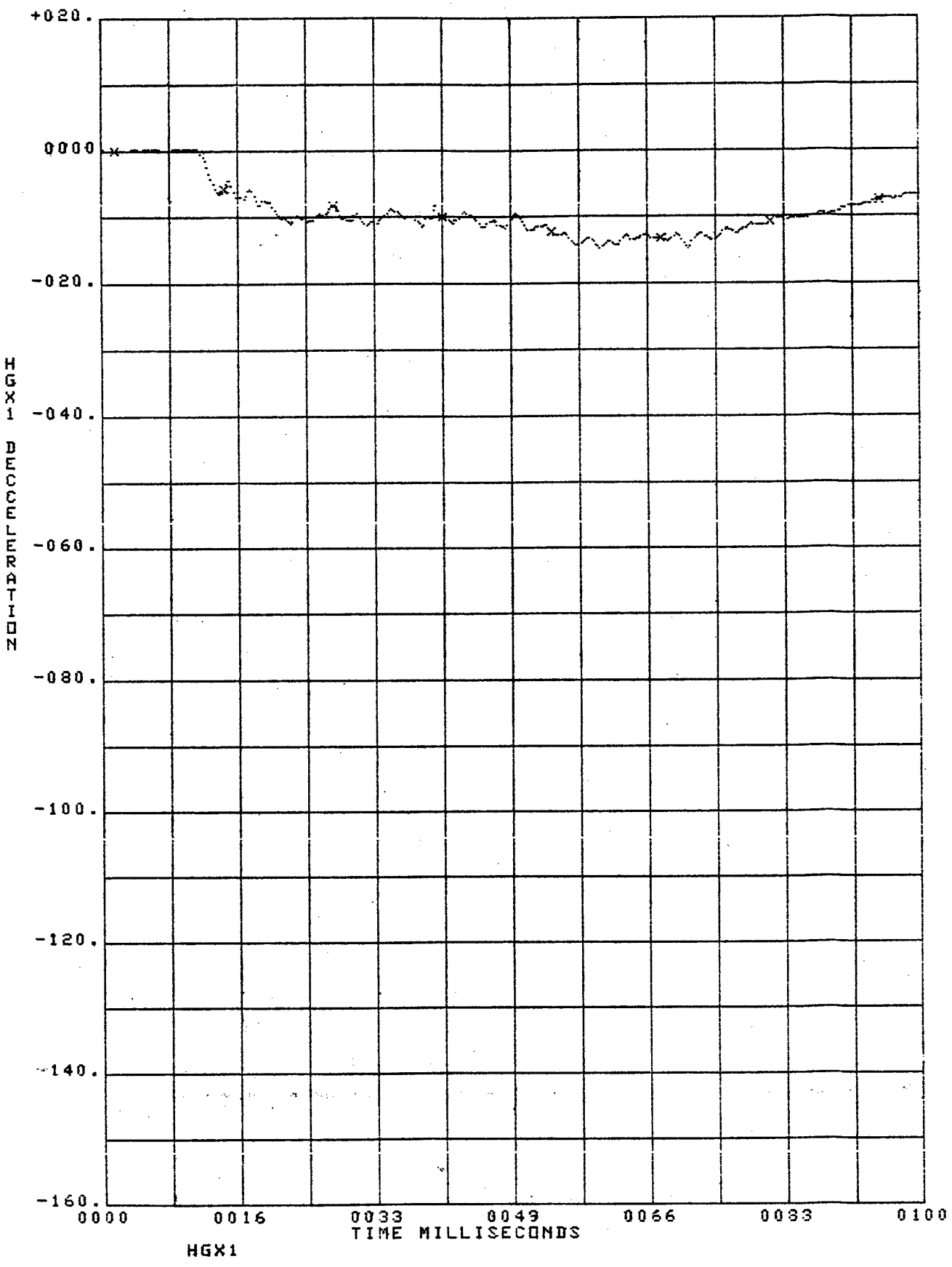
TEST # 005

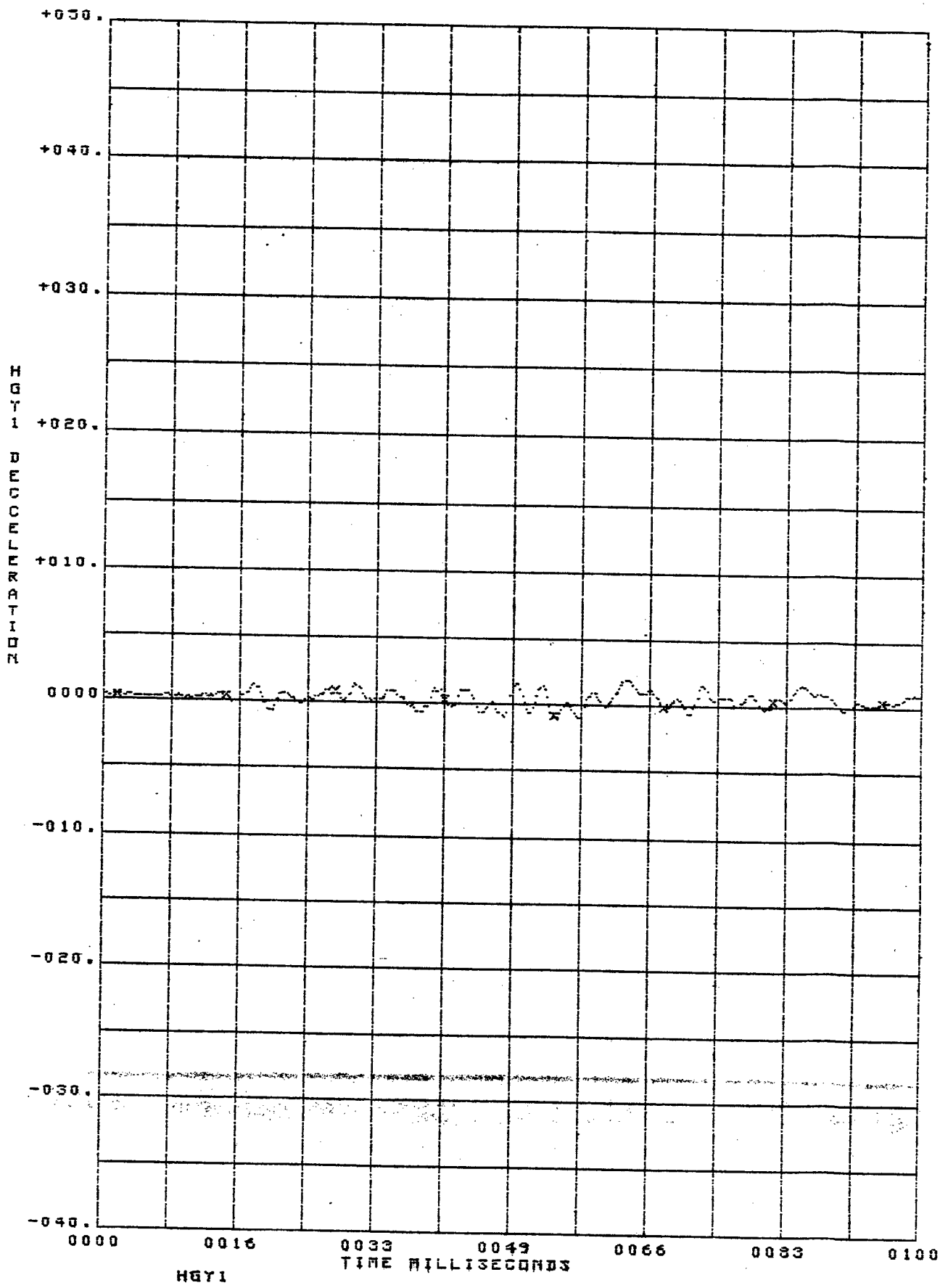
RELEASE hole #	# 9
" hgt.	84 3/4"
HEAD #	32
HEXCELL	STANDARD
VELOCITY	17.25 fps

RESULTS

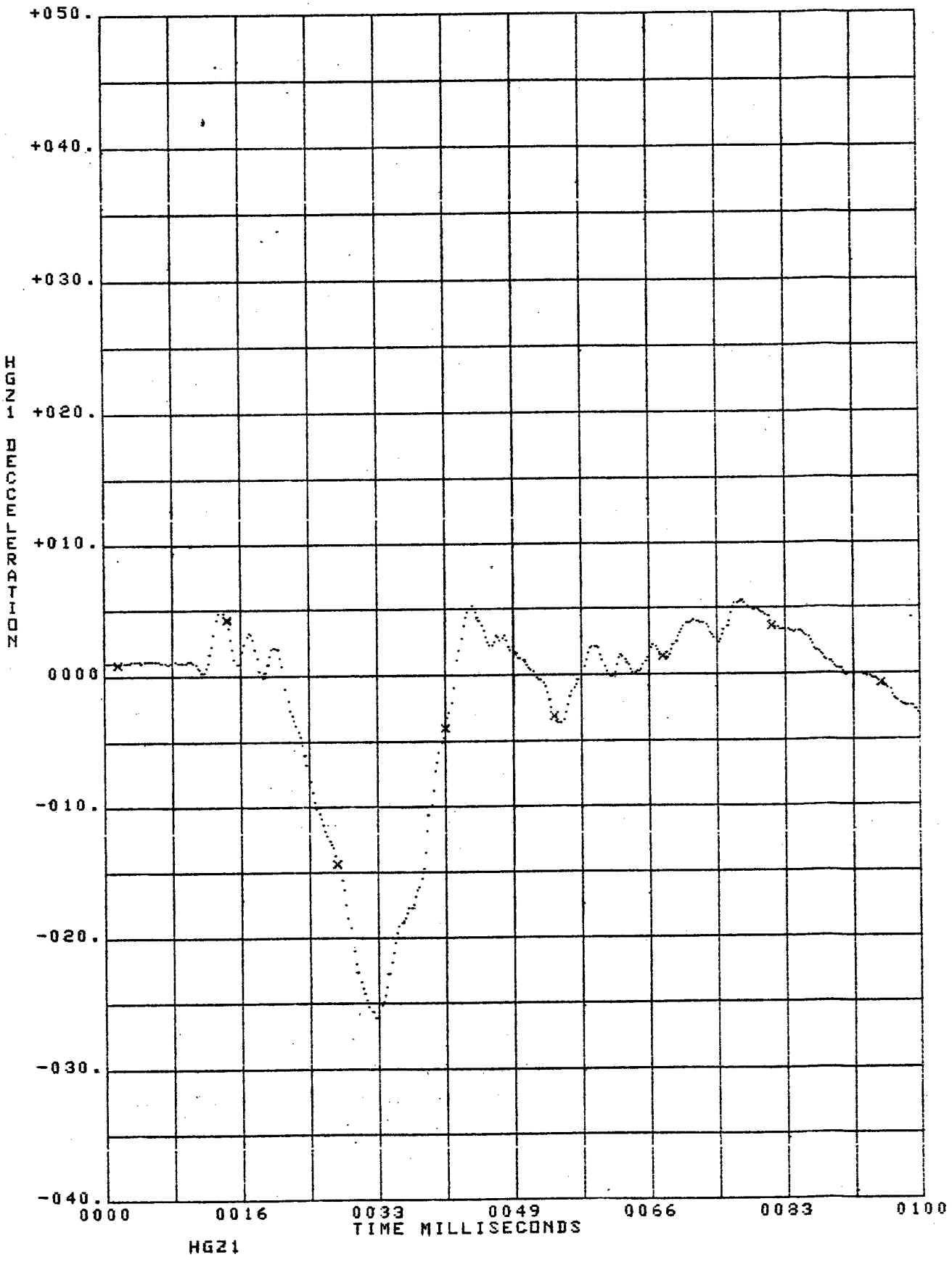
HEXCELL crushed to	4.0"
RESULTANT	28.6 G
T2 - T1	1.5 ms
T3 - T2	19.75"
T4 - T3	2.5 "
AVE T3-T2	26.0 G

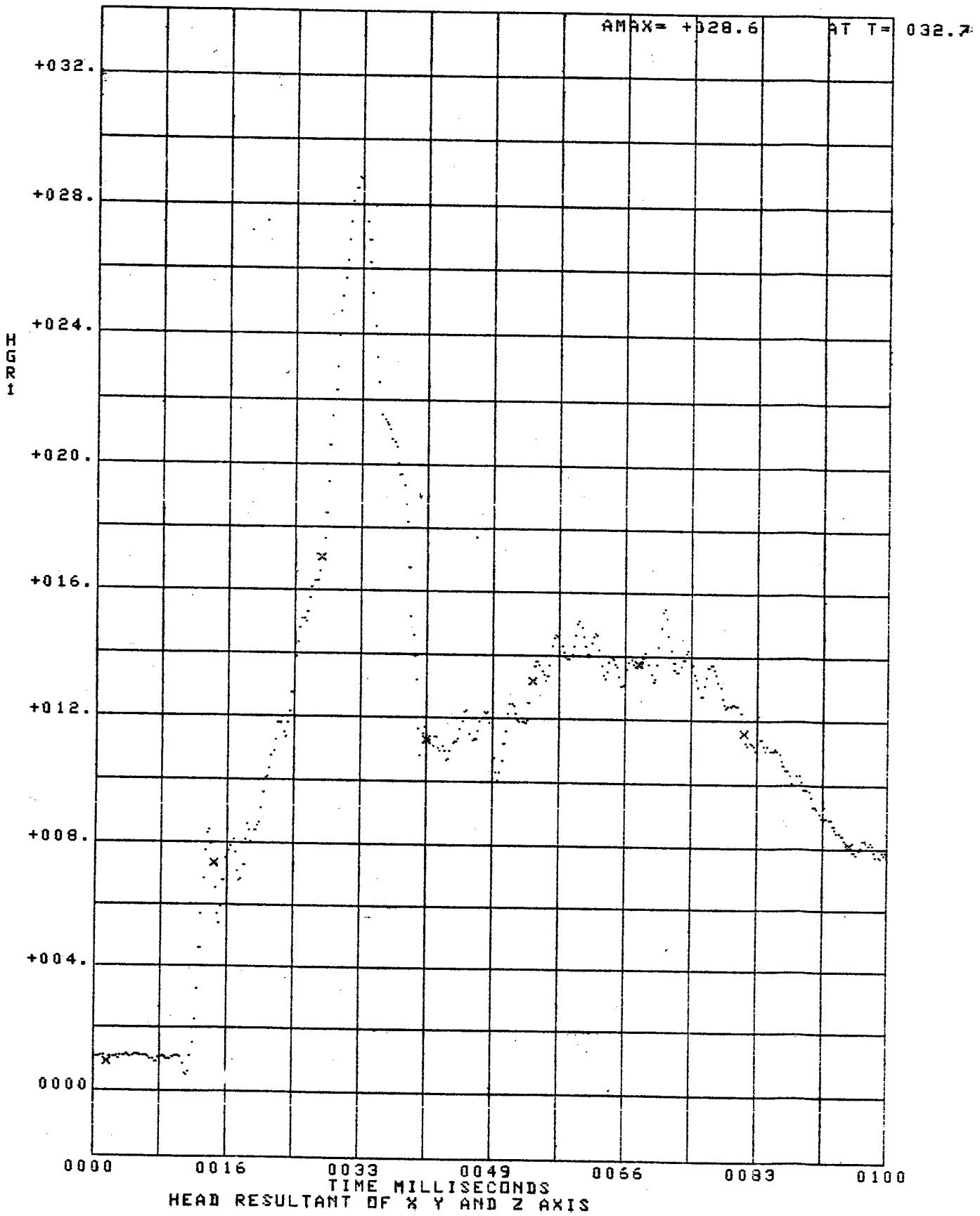
Rotation	Time	Disp
0°	0 ms	0 in.
30°	19	1.87
60°	34	3.90
83°	38	5.34
60°	85	4.04
30°	102	2.14
0°	117	-0.09

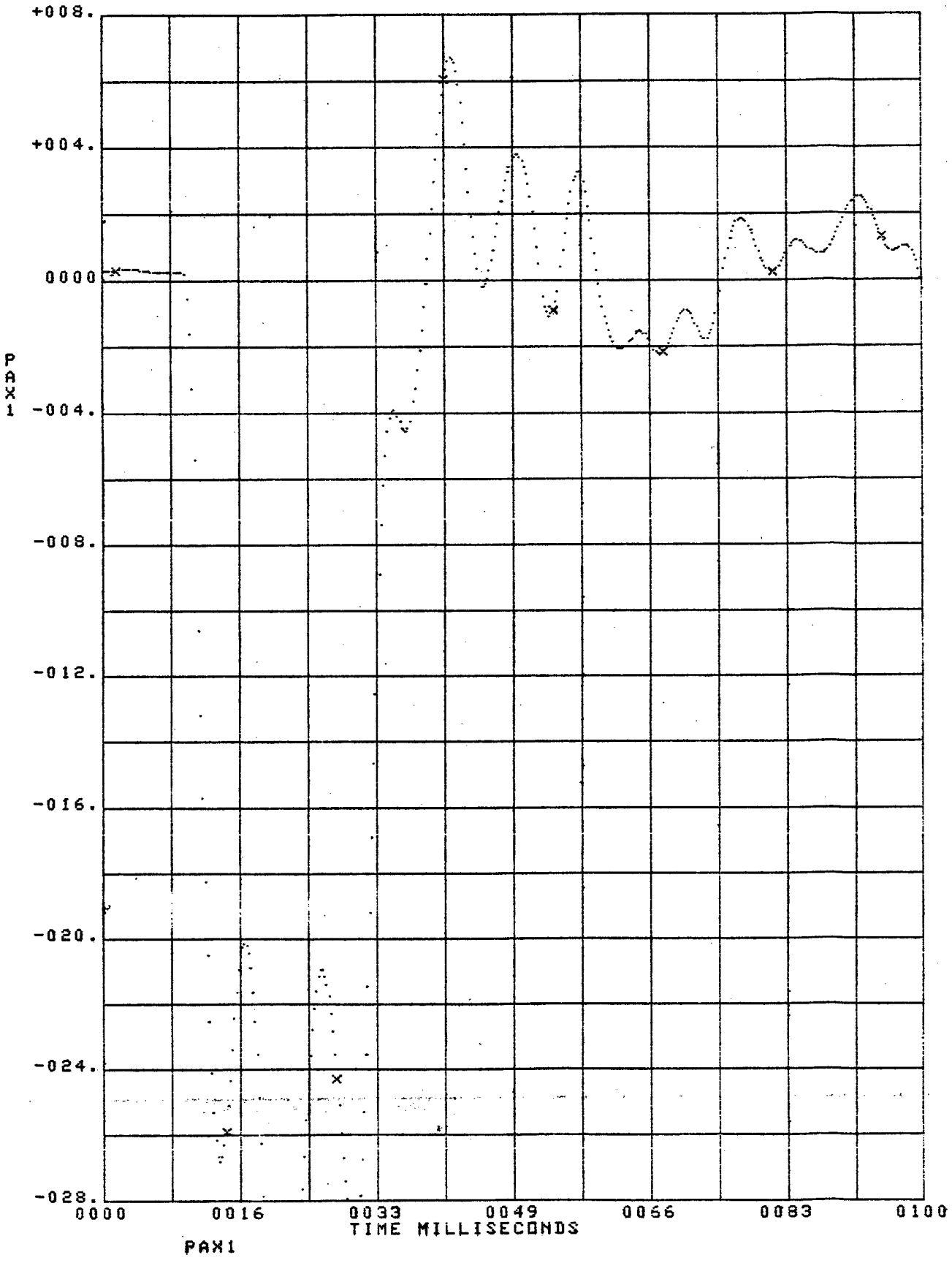

NECK PENDULUM
TRC NO. 005
+020.
0000
-020.
-040.
-060.
-080.
-100.
-120.
-140.
-160.
HGX1 DECCELERATION
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HGX1


NECK PENDULUM
TRC NO. 003
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HGY1

NECK PENDULUM
TRC NO. 005




NECK PENDULUM
TRC NO. 005
AMAX= +028.6
AT T= 032.7
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGRI
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS


NECK PENDULUM
TRC NO. 005
+008.
+004.
0000
-004.
-008.
-012.
-016.
-020.
-024.
-028.
PAX1
0000
0016
0033
0049
0066
0083
0100
TIME MILLISECONDS
PAX1

VARIABLE PAX1 TRC805

TIME						
0.00		+000.1	+000.1	+000.1	+000.1	+000.1
1.25		+000.1	+000.1	+000.1	+000.1	+000.1
2.50		+000.1	+000.1	+000.1	+000.1	+000.1
3.75		+000.1	+000.1	+000.1	+000.1	+000.1
5.00		+000.1	+000.1	+000.1	+000.0	+000.0
6.25		+000.0	+000.0	+000.0	+000.0	+000.0
7.50		+000.0	+000.0	+000.0	+000.0	+000.0
8.75		+000.0	+000.0	+000.0	+000.0	+000.0
10.00		-000.1	-000.7	-001.8	-003.4 T1	-005.6
11.25		-008.3	-010.9	-013.6	-016.1	-018.6
12.50	T2	-020.8	-022.7	-024.2	-025.4	-026.2
13.75		-026.7	-026.9	-026.7	-026.4	-026.0
15.00		-025.2	-024.5	-023.6	-022.7	-021.9
16.25		-021.2	-020.8	-020.5	-020.4	-020.5
17.50		-020.7	-021.1	-021.9	-022.7	-023.7
18.75		-025.0	-026.3	-027.8	-029.2	-030.5
20.00		-031.7	-032.8	-033.6	-034.4	-034.9
21.25		-035.2	-035.2	-035.0	-034.7	-034.1
22.50		-033.5	-032.6	-031.7	-030.7	-029.8
23.75		-028.8	-027.7	-026.7	-025.6	-024.7
25.00		-023.8	-023.0	-022.3	-021.8	-021.4
26.25		-021.2	-021.2	-021.4	-021.6	-022.0
27.50		-022.5	-023.0	-023.7	-024.4	-025.2
28.75		-026.0	-026.7	-027.4	-028.0	-028.5
30.00		-028.8	-028.9	-028.9	-028.6	-027.8
31.25		-026.8	-025.4	-023.7	-021.7 T3	-019.5
32.50		-017.3	-015.0	-012.9	-010.9	-009.2
33.75		-007.6	-006.4	-005.5 T4	-004.8	-004.3
35.00		-004.2	-004.1	-004.2	-004.3	-004.5
36.25		-004.6	-004.7	-004.8	-004.6	-004.5
37.50		-004.2	-003.9	-003.4	-002.9	-002.3
38.75		-001.7	-000.9	-000.3	+000.4	+001.2
40.00		+002.0	+002.8	+003.5	+004.2	+004.9
41.25		+005.4	+005.9	+006.2	+006.5	+006.6
42.50		+006.5	+006.4	+006.2	+005.7	+005.2
43.75		+004.6	+003.9	+003.2	+002.5	+001.7
45.00		+001.1	+000.6	+000.1	-000.1	-000.3
46.25		-000.3	-000.3	-000.1	+000.1	+000.4
47.50		+000.7	+001.1	+001.5	+001.8	+002.2
48.75		+002.5	+002.8	+003.1	+003.2	+003.4
50.00		+003.6	+003.6	+003.6	+003.6	+003.4
51.25		+003.2	+003.0	+002.7	+002.3	+001.8
52.50		+001.4	+000.8	+000.3	-000.1	-000.6
53.75		-000.9	-001.1	-001.2	-001.2	-001.0
55.00		-000.8	-000.5	-000.1	+000.2	+000.7
56.25		+001.2	+001.7	+002.1	+002.5	+002.8
57.50		+002.9	+003.1	+003.1	+002.9	+002.8
58.75		+002.5	+002.0	+001.6	+001.0	+000.6
60.00		+000.1	-000.3	-000.6	-000.9	-001.2
61.25		-001.5	-001.7	-001.8	-002.0	-002.1
62.50		-002.2	-002.2	-002.2	-002.2	-002.1
63.75		-002.1	-002.0	-002.0	-001.9	-001.8
65.00		-001.7	-001.7	-001.7	-001.8	-001.8
66.25		-001.9	-002.0	-002.1	-002.3	-002.3
67.50		-002.4	-002.4	-002.4	-002.3	-002.2
68.75		-002.1	-001.9	-001.8	-001.6	-001.4
70.00		-001.3	-001.2	-001.1	-001.0	-001.0
71.25		-001.1	-001.2	-001.3	-001.5	-001.5
72.50		-001.7	-001.8	-001.9	-001.9	-001.9
73.75		-001.8	-001.7	-001.5	-001.2	-000.9

VARIABLE	PAX1 TRC005				
75.00	-000.5	-000.1	+000.1	+000.4	+000.7
76.25	+001.0	+001.2	+001.4	+001.5	+001.6
77.50	+001.7	+001.7	+001.6	+001.5	+001.4
78.75	+001.3	+001.2	+001.0	+000.8	+000.6
80.00	+000.4	+000.3	+000.2	+000.1	+000.1
81.25	+000.0	+000.0	+000.1	+000.1	+000.2
82.50	+000.3	+000.4	+000.6	+000.7	+000.8
83.75	+000.9	+000.9	+001.0	+001.0	+000.9
85.00	+000.9	+000.9	+000.8	+000.7	+000.7
86.25	+000.7	+000.6	+000.6	+000.6	+000.6
87.50	+000.6	+000.6	+000.6	+000.7	+000.8
88.75	+000.9	+001.0	+001.2	+001.4	+001.5
90.00	+001.7	+001.8	+001.9	+002.0	+002.1
91.25	+002.2	+002.3	+002.3	+002.3	+002.3
92.50	+002.3	+002.2	+002.1	+002.0	+001.9
93.75	+001.7	+001.6	+001.4	+001.3	+001.1
95.00	+000.9	+000.8	+000.7	+000.7	+000.6
96.25	+000.6	+000.7	+000.7	+000.7	+000.8
97.50	+000.8	+000.8	+000.8	+000.7	+000.6
98.75	+000.5	+000.3	+000.1	-000.1	-000.4

Head/Neck Pendulum
Dummy No. 32, Run No. 3

3 APR 78

3 YR. OLD NECK PENDULUM

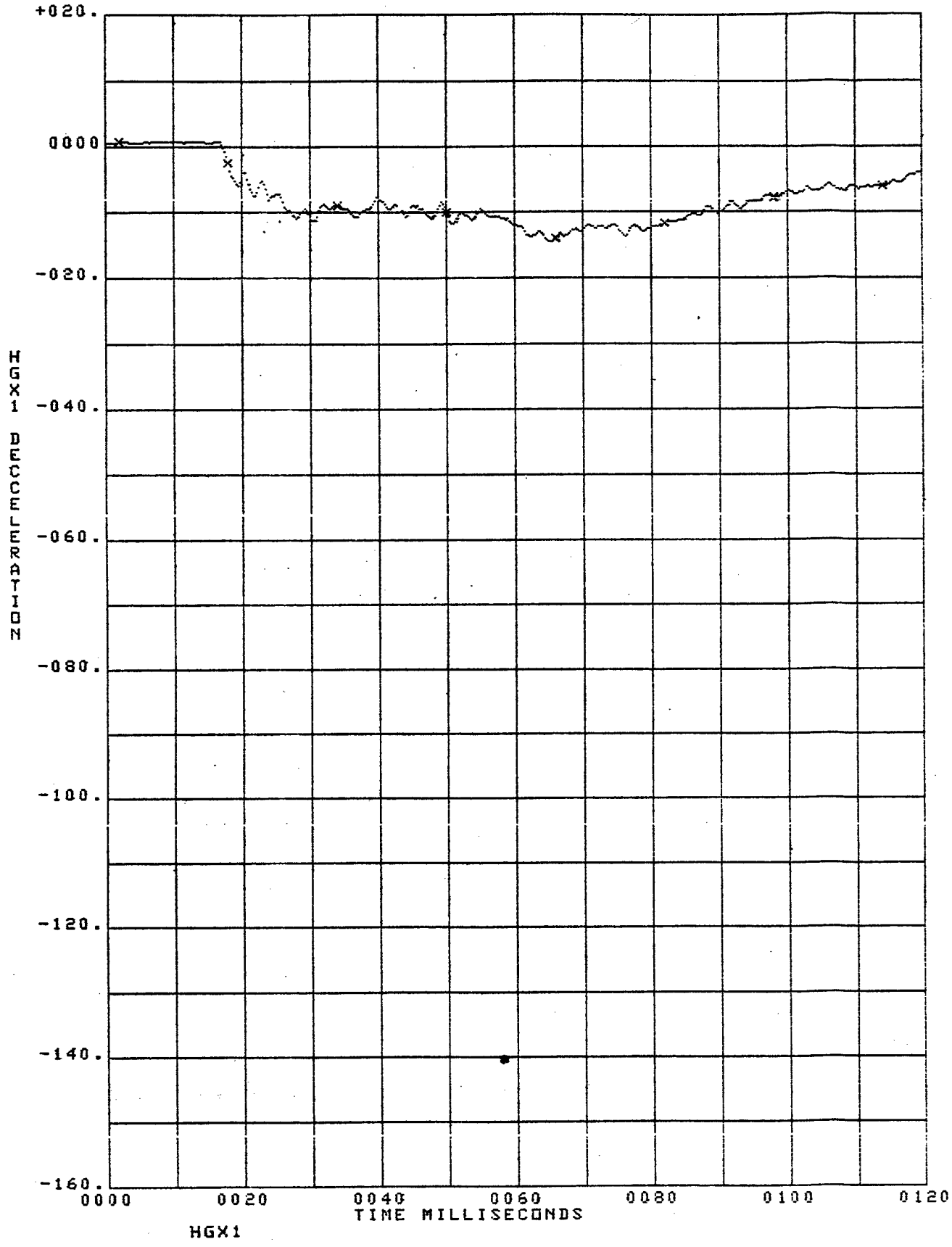
TEST # 008

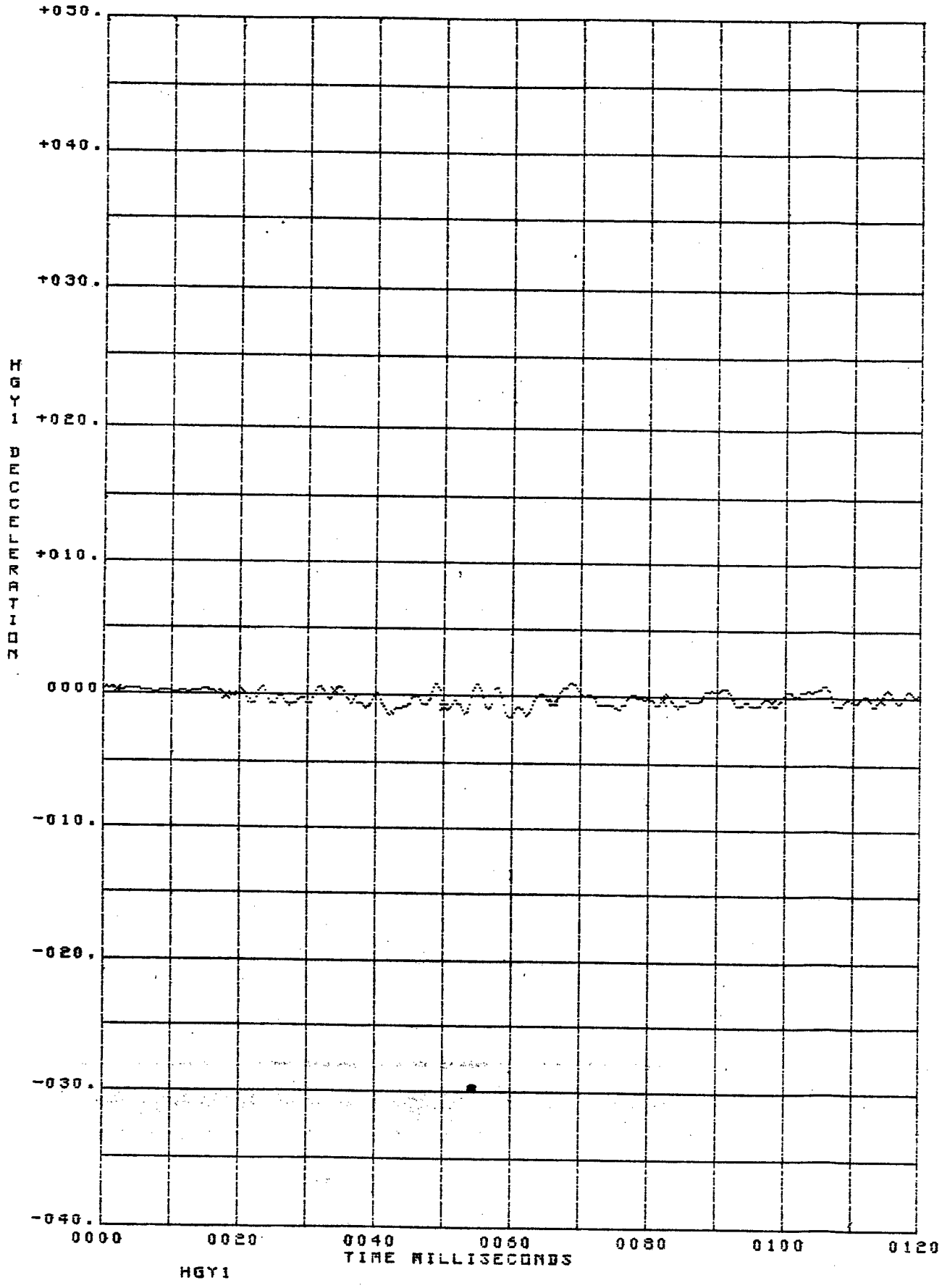
RELEASE hole # 9
" hgt. 84 3/4"
HEAD # 32
HEXCELL standard
VELOCITY 17.25 fps

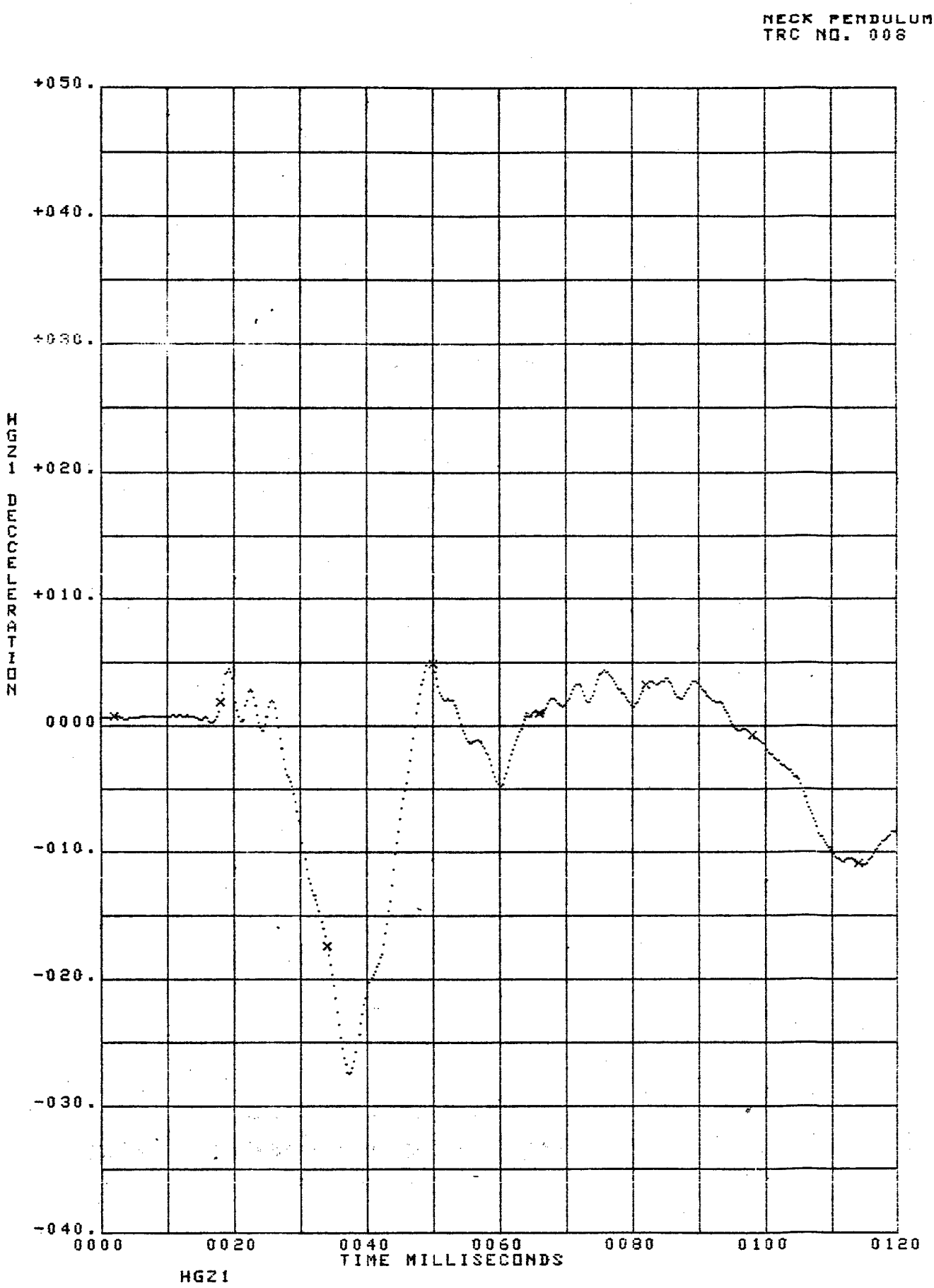
RESULTS

HEXCELL crushed to 4.0"
RESULTANT 29.7G
T2 - T1 1.5 ms
T3 - T2 19.0 ms
T4 - T3 2.0 ms
AVE T3-T2 26.4G

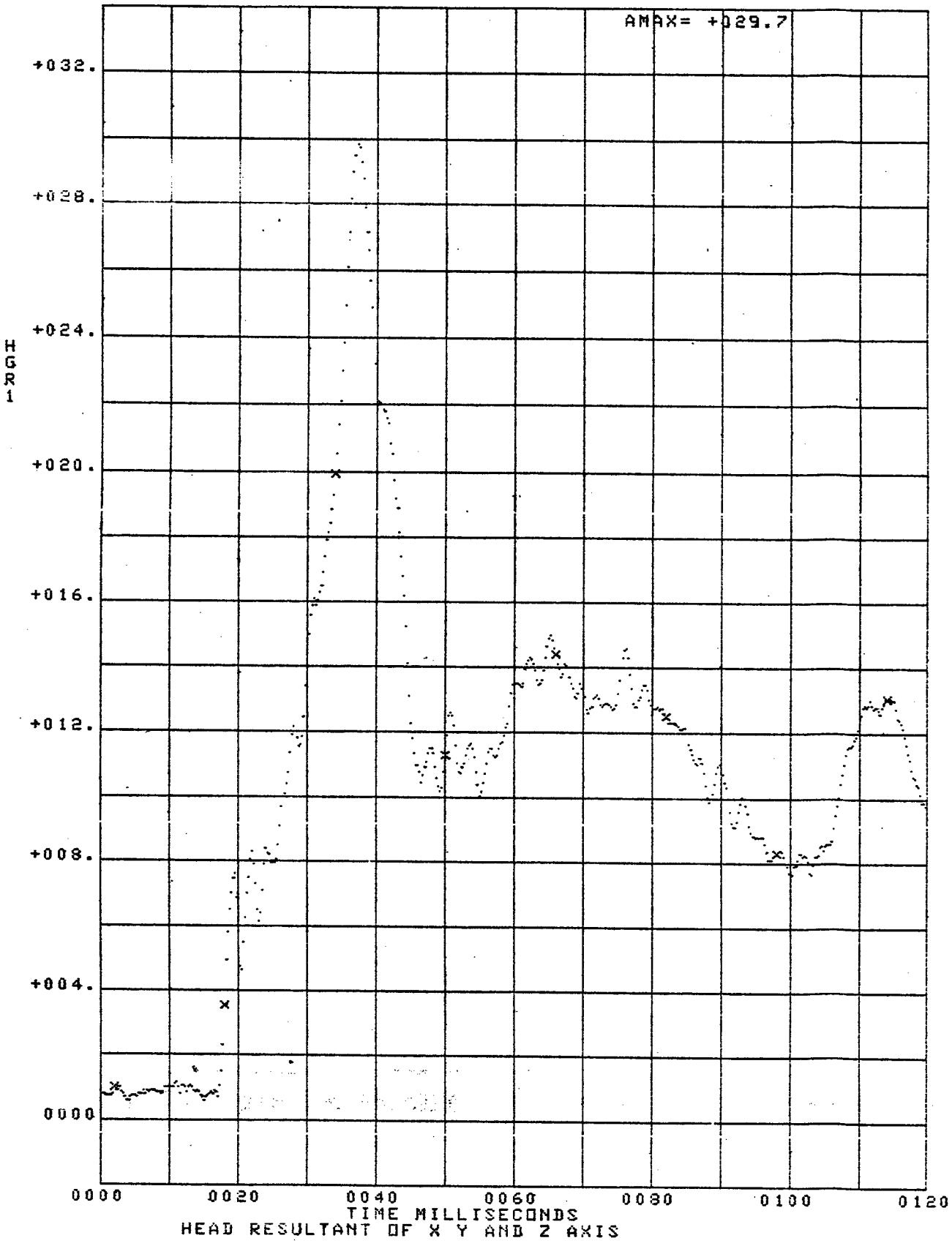
Rotation	Time	Disp
0°	0 ms	0 in.
30°	21	1.93
60°	38	4.13
79.5°	64	5.29
60°	87	4.13
30°	109	1.57
0°	121	-0.18


NECK PENDULUM
TRC NO. 008
+020.
0000
-020.
-040.
-060.
-080.
-100.
-120.
-140.
-160.
HGX1 DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGX1

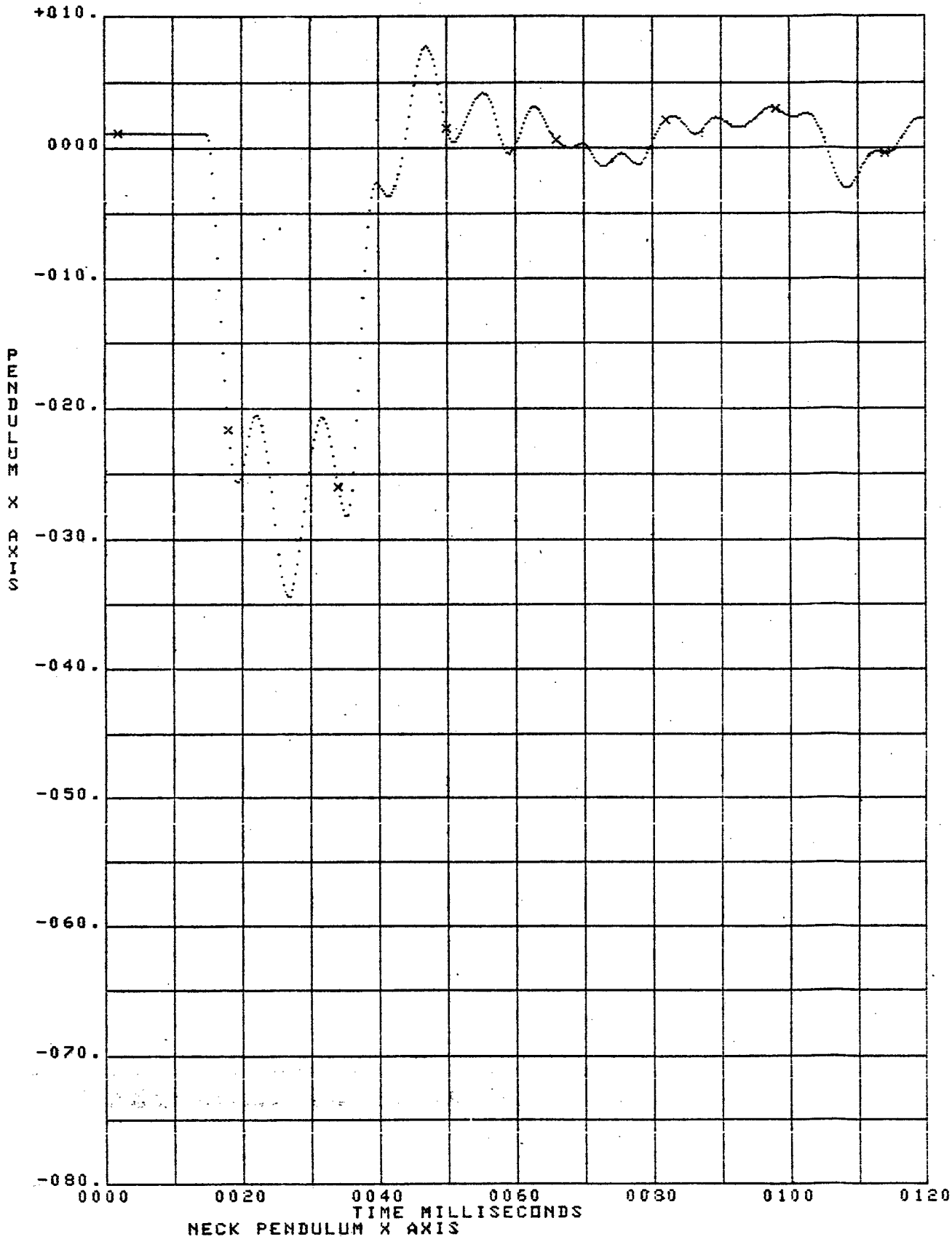

NECK PENDULUM
TRC NO. 008
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGY1


NECK PENDULUM
TRC NO. 008
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGZ1 DECCELERATION
0000
0020
0040
0060
0080
0100
0120
TIME MILLISECONDS
HGZ1

NECK PENDULUM
TRC NO. 008



NECK PENDULUM
TRC NO. 008



VARIABLE PAX1 TRC008

TIME					
0.00	+000.9	+000.9	+000.9	+000.9	+001.0
1.25	+001.0	+001.0	+001.0	+001.0	+000.9
2.50	+000.9	+000.9	+000.9	+000.9	+000.9
3.75	+000.9	+000.9	+000.9	+000.9	+001.0
5.00	+001.0	+001.0	+001.0	+001.0	+001.0
6.25	+001.0	+001.0	+000.9	+001.0	+000.9
7.50	+000.9	+000.9	+000.9	+000.9	+000.9
8.75	+000.9	+000.9	+000.9	+000.9	+000.9
10.00	+001.0	+001.0	+001.0	+001.0	+000.9
11.25	+000.9	+001.0	+000.9	+000.9	+000.9
12.50	+000.9	+000.9	+000.9	+000.9	+000.9
13.75	+000.9	+000.9	+000.9	+000.9	+000.8
15.00	+000.4	-000.4	-001.9	-003.8	T1 -006.0
16.25	-008.5	-010.9	-013.4	-015.8	-017.9
17.50	T2 -019.9	-021.6	-023.1	-024.2	-024.9
18.75	-025.4	-025.6	-025.6	-025.3	-024.8
20.00	-024.2	-023.5	-022.8	-022.1	-021.5
21.25	-021.0	-020.7	-020.5	-020.5	-020.7
22.50	-021.3	-021.8	-022.4	-023.2	-024.2
23.75	-025.2	-026.4	-027.6	-028.9	-030.0
25.00	-031.0	-032.0	-032.8	-033.5	-034.0
26.25	-034.2	-034.3	-034.3	-033.9	-033.4
27.50	-032.6	-031.8	-030.9	-029.9	-028.9
28.75	-027.9	-026.8	-025.8	-024.8	-023.9
30.00	-023.1	-022.3	-021.8	-021.2	-020.9
31.25	-020.7	-020.6	-020.8	-021.1	-021.5
32.50	-022.1	-022.8	-023.6	-024.4	-025.2
33.75	-026.0	-026.7	-027.3	-027.8	-028.1
35.00	-028.2	-027.9	-027.3	-026.3	-024.9
36.25	-023.1	T3 -020.9	-018.6	-016.2	-013.8
37.50	-011.5	-009.4	-007.6	-006.0	T4 -004.7
38.75	-003.8	-003.2	-002.8	-002.7	-002.7
40.00	-002.9	-003.2	-003.3	-003.5	-003.6
41.25	-003.7	-003.6	-003.5	-003.2	-002.9
42.50	-002.4	-002.0	-001.4	-000.8	-000.1
43.75	+000.6	+001.4	+002.1	+003.0	+003.8
→45.00	+004.6	+005.3	+006.0	+006.5	+007.0
46.25	+007.3	+007.5	+007.5	+007.5	+007.2
47.50	+007.0	+006.5	+006.0	+005.4	+004.6
48.75	+003.9	+003.2	+002.5	+001.8	+001.3
50.00	+000.9	+000.5	+000.3	+000.3	+000.3
51.25	+000.5	+000.7	+001.0	+001.2	+001.5
52.50	+001.8	+002.1	+002.5	+002.7	+003.0
53.75	+003.2	+003.5	+003.7	+003.9	+003.9
55.00	+004.0	+004.0	+003.9	+003.8	+003.6
56.25	+003.2	+002.9	+002.5	+001.9	+001.5
57.50	+000.9	+000.4	+000.0	-000.2	-000.4
58.75	-000.5	-000.5	-000.3	-000.2	+000.0
60.00	+000.3	+000.6	+000.9	+001.3	+001.7
61.25	+002.0	+002.3	+002.6	+002.8	+002.9
62.50	+002.9	+002.9	+002.8	+002.7	+002.5
63.75	+002.2	+001.9	+001.7	+001.4	+001.1
65.00	+000.9	+000.7	+000.6	+000.4	+000.3
66.25	+000.1	+000.0	+000.0	-000.0	-000.0
67.50	-000.0	-000.0	-000.0	-000.0	-000.0
68.75	+000.0	+000.0	+000.1	+000.1	+000.1
70.00	+000.0	+000.0	-000.2	-000.3	-000.6
71.25	-000.8	-001.0	-001.2	-001.3	-001.4
72.50	-001.4	-001.4	-001.4	-001.3	-001.1
73.75	-001.0	-000.9	-000.8	-000.7	-000.5

VARIABLE	PAX1 TRC008				
75.00	-000.5	-000.5	-000.5	-000.6	-000.7
76.25	-000.8	-000.9	-001.0	-001.1	-001.2
77.50	-001.3	-001.3	-001.3	-001.1	-001.0
78.75	-000.8	-000.5	-000.2	+000.0	+000.3
80.00	+000.5	+000.8	+001.0	+001.3	+001.5
81.25	+001.7	+001.8	+001.9	+002.0	+002.1
82.50	+002.1	+002.2	+002.2	+002.1	+002.1
83.75	+002.0	+001.8	+001.7	+001.5	+001.4
85.00	+001.2	+001.1	+001.0	+000.9	+000.9
86.25	+000.9	+001.0	+001.1	+001.2	+001.4
87.50	+001.5	+001.7	+001.8	+002.0	+002.0
88.75	+002.1	+002.1	+002.1	+002.1	+002.0
90.00	+001.9	+001.8	+001.8	+001.7	+001.6
91.25	+001.5	+001.5	+001.5	+001.4	+001.4
92.50	+001.4	+001.4	+001.5	+001.5	+001.5
93.75	+001.7	+001.8	+001.8	+002.0	+002.1
95.00	+002.2	+002.3	+002.5	+002.6	+002.6
96.25	+002.8	+002.8	+002.9	+002.9	+002.9
97.50	+002.9	+002.8	+002.8	+002.7	+002.6
98.75	+002.5	+002.4	+002.3	+002.3	+002.1
100.00	+002.1	+002.1	+002.1	+002.1	+002.2
101.25	+002.3	+002.3	+002.4	+002.4	+002.4
102.50	+002.4	+002.3	+002.3	+002.1	+002.0
103.75	+001.7	+001.5	+001.2	+000.9	+000.6
105.00	+000.2	-000.0	-000.5	-000.8	-001.3
106.25	-001.6	-002.0	-002.3	-002.5	-002.8
107.50	-002.9	-003.0	-003.1	-003.1	-003.0
108.75	-002.9	-002.8	-002.6	-002.4	-002.1
110.00	-001.9	-001.6	-001.3	-001.1	-000.9
111.25	-000.7	-000.6	-000.5	-000.4	-000.3
112.50	-000.3	-000.3	-000.3	-000.4	-000.4
113.75	-000.4	-000.4	-000.4	-000.3	-000.3
115.00	-000.2	-000.0	+000.1	+000.3	+000.5
116.25	+000.7	+000.9	+001.1	+001.3	+001.5
117.50	+001.7	+001.8	+001.9	+002.0	+002.0
118.75	+002.0	+002.0	+002.0	+002.0	+000.0

3 yr. old neck pendulum

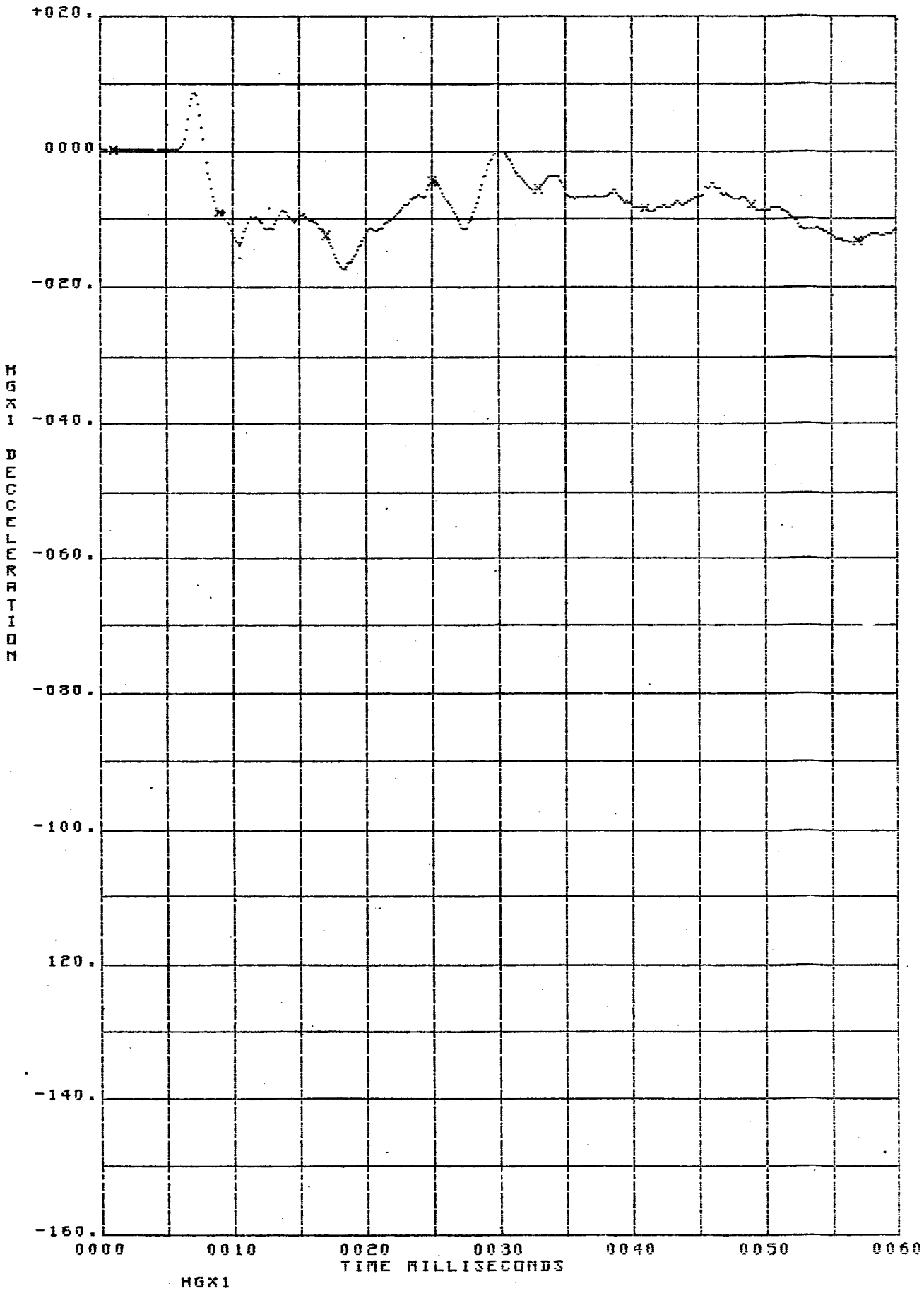
Test # N002

Release hole # 9
" hgt. 84"
Head # 38
Hexcell Standard
Velocity 17.5 fps

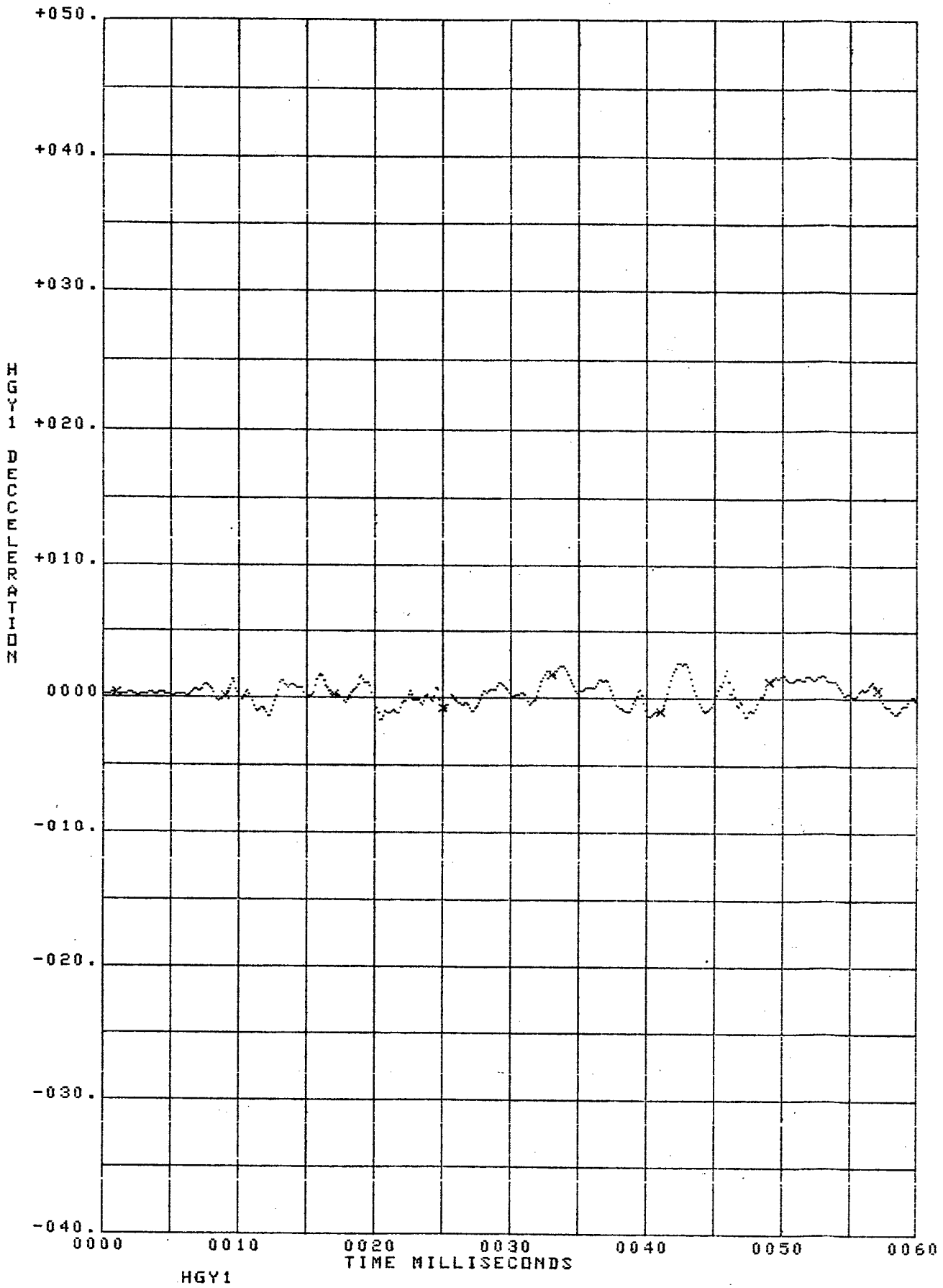
Results

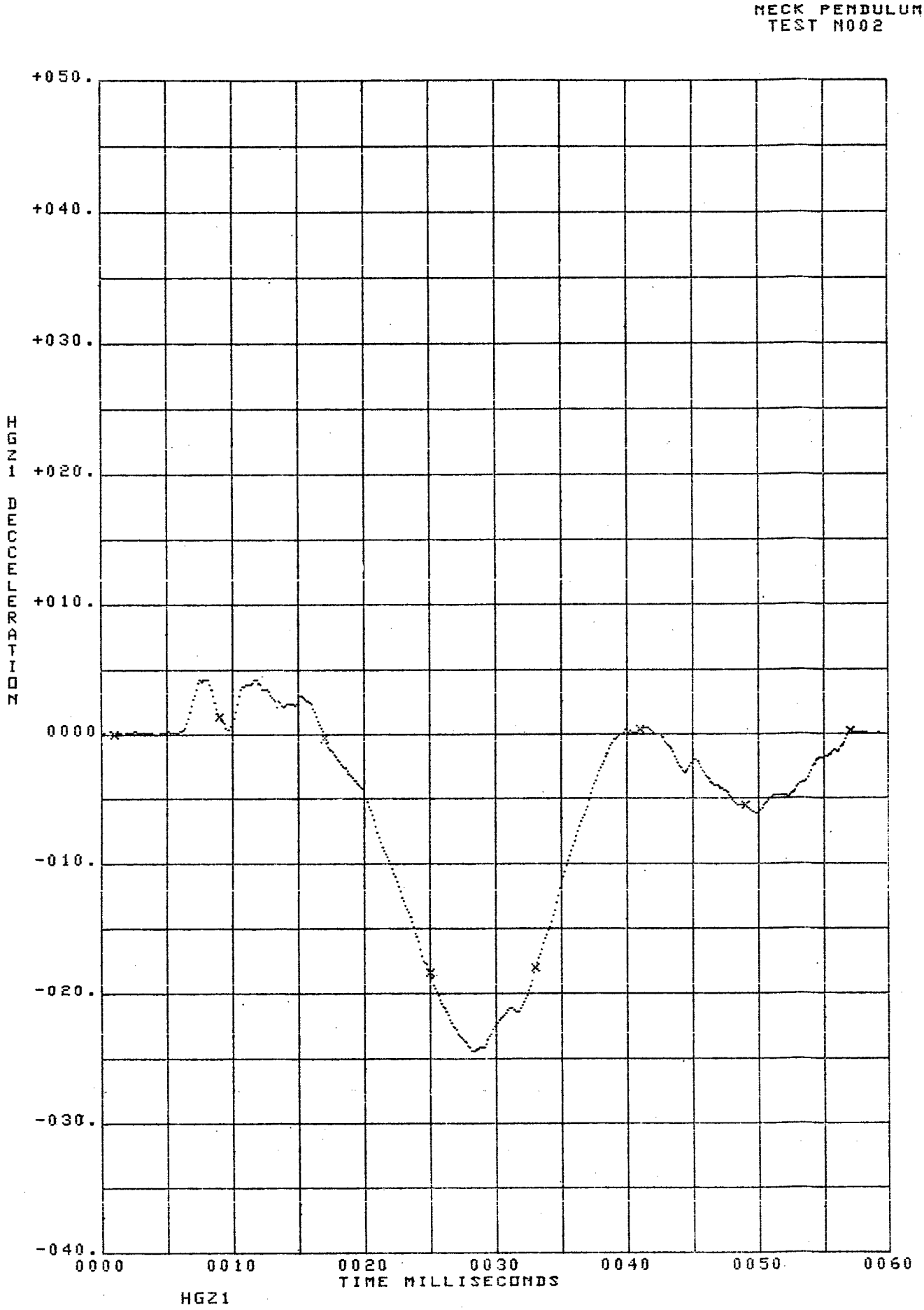
Hexcell crushed to
Resultant 26.3 G
T2 - T1 1.625 m.s.
T3 - T2 19.000 m.s.
T4 - T3 1.625 m.s.
Ave T3-T2 26.641 G.

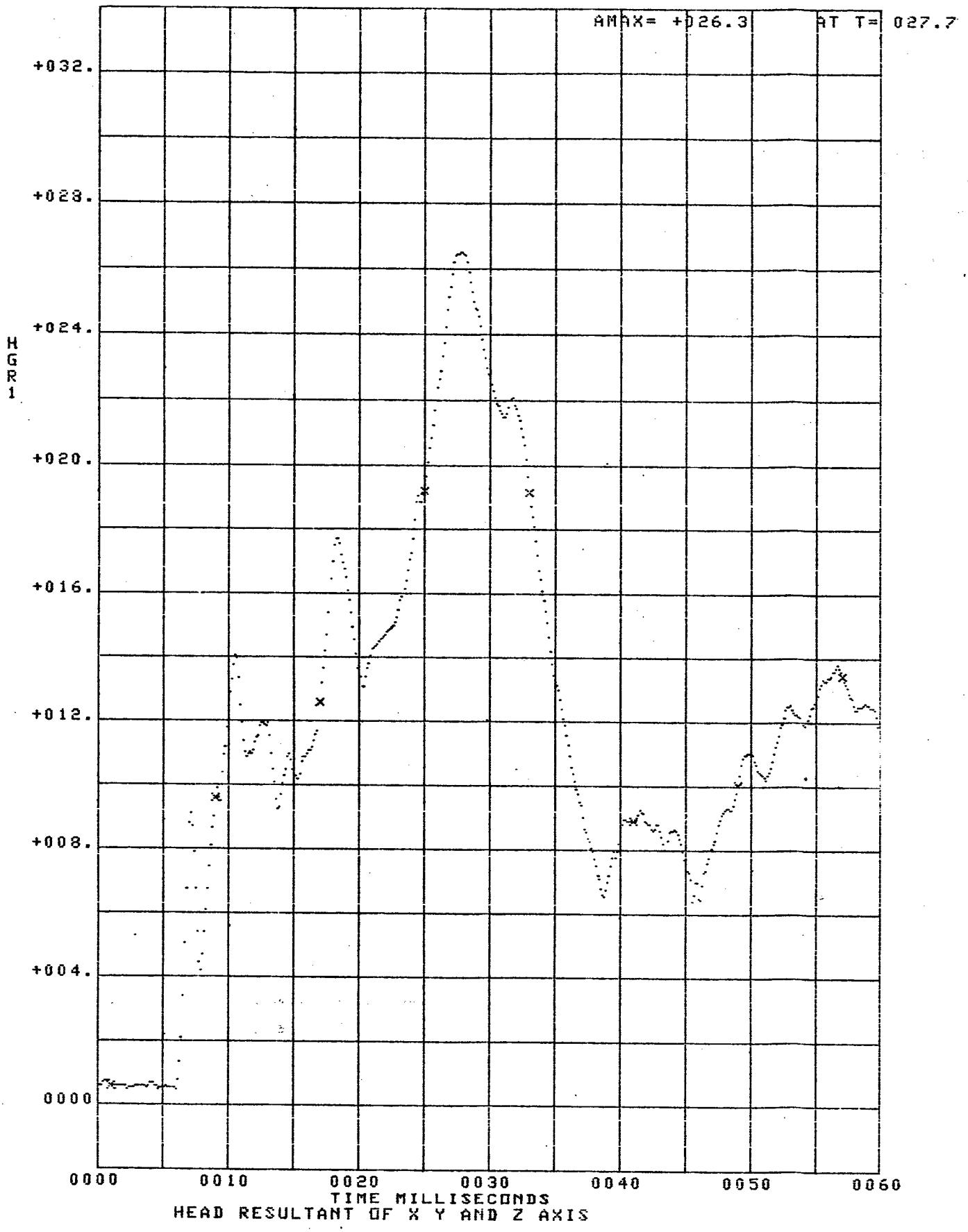
Rotation	Time	Disp
0°	0 ms	0
30°	22	2.08
60°	37	4.20
81°	66	5.59
60°	92	4.33
30°	111	2.16
0°	126	.07


NECK PENDULUM
TEST N002
+020.
0000
-020.
-040.
-060.
-080.
-100.
120.
-140.
-160.
HGX1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGX1

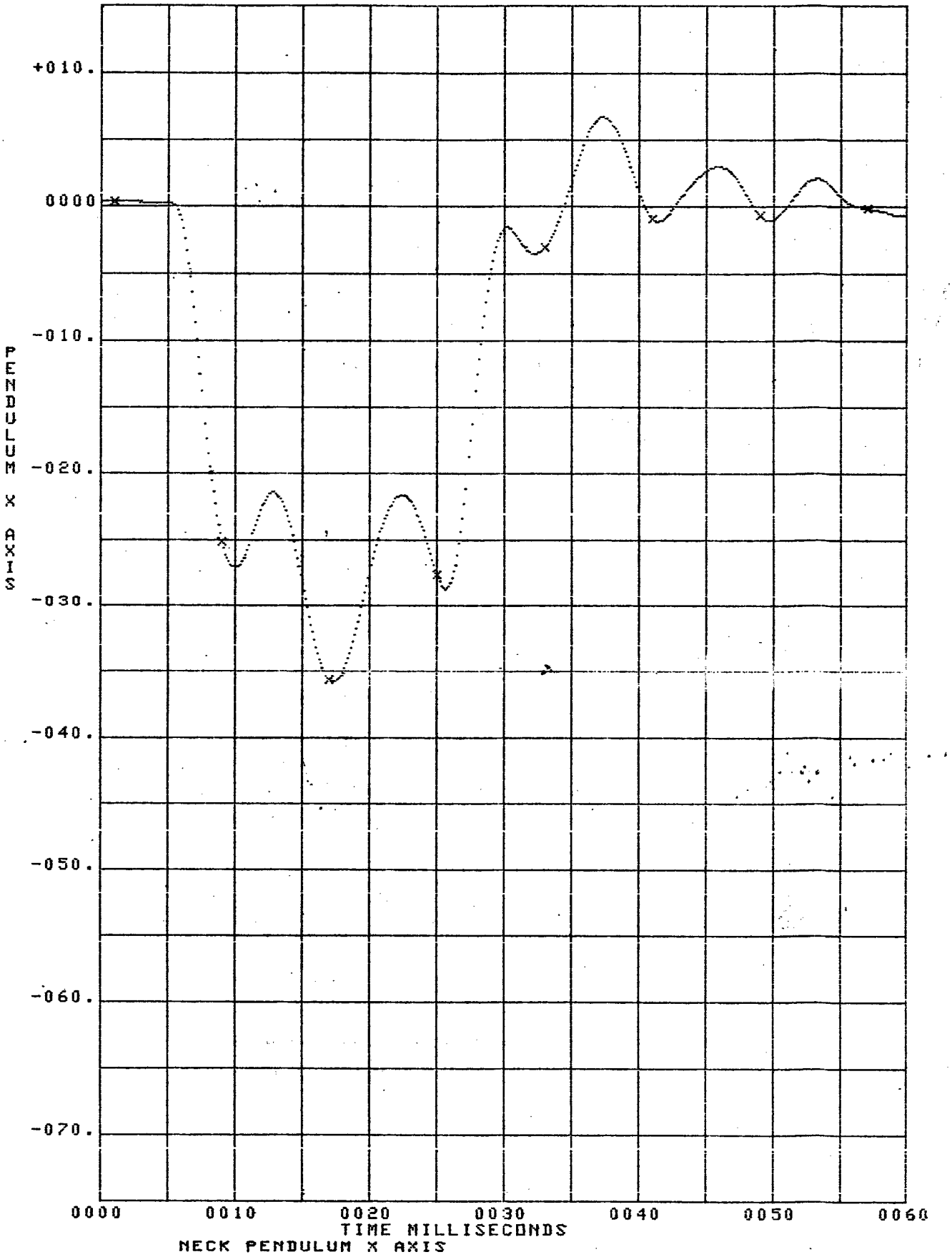
NECK PENDULUM
TEST N002




NECK PENDULUM
TEST N002
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HG21 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HG21


NECK PENDULUM
TEST N002
AMAX= +026.3
AT T= 027.7
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR 1
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

NECK PENDULUM
TEST N002



VARIABLE PAX1 N002

TIME					
0.0000	+000.2	+000.2	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.1
1.2500	+000.1	+000.1	+000.1	+000.1	+000.1
1.8750	+000.1	+000.1	+000.1	+000.1	+000.1
2.5000	+000.1	+000.1	+000.0	+000.1	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	+000.0	+000.0
5.0000	+000.0	+000.0	-000.0	-000.0	-000.2
5.6250	-000.4	-000.8	-001.2	-001.8	-002.6
6.2500	-003.4	-004.4	-005.4	-006.5	-007.6
6.8750	-008.8	-010.1	-011.4	-012.6	-013.9
7.5000	-015.1	-016.4	-017.5	-018.6	-019.7
8.1250	-020.6	-021.5	-022.4	-023.3	-024.0
8.7500	-024.7	-025.2	-025.8	-026.2	-026.5
9.3750	-026.7	-027.0	-027.1	-027.1	-027.1
10.0000	-027.1	-027.1	-026.9	-026.7	-026.5
10.6250	-026.2	-025.8	-025.5	-025.1	-024.7
11.2500	-024.4	-023.9	-023.6	-023.2	-022.8
11.8750	-022.5	-022.3	-022.1	-021.9	-021.7
12.5000	-021.6	-021.6	-021.6	-021.6	-021.7
13.1250	-021.9	-022.0	-022.3	-022.6	-022.9
13.7500	-023.3	-023.7	-024.2	-024.7	-025.3
14.3750	-025.8	-026.5	-027.1	-027.7	-028.4
15.0000	-029.0	-029.6	-030.3	-031.0	-031.6
15.6250	-032.1	-032.7	-033.3	-033.8	-034.2
16.2500	-034.5	-034.8	-035.1	-035.4	-035.5
16.8750	-035.7	-035.8	-035.8	-035.8	-035.8
17.5000	-035.7	-035.5	-035.4	-035.2	-034.9
18.1250	-034.5	-034.1	-033.8	-033.3	-032.8
18.7500	-032.3	-031.9	-031.3	-030.8	-030.2
19.3750	-029.7	-029.1	-028.6	-028.0	-027.4
20.0000	-026.9	-026.4	-026.0	-025.5	-025.0
20.6250	-024.5	-024.2	-023.9	-023.5	-023.1
21.2500	-022.9	-022.7	-022.5	-022.3	-022.0
21.8750	-021.9	-021.9	-021.8	-021.8	-021.7
22.5000	-021.6	-021.9	-022.0	-022.1	-022.3
23.1250	-022.5	-022.7	-023.1	-023.4	-023.7
23.7500	-024.1	-024.4	-024.9	-025.3	-025.7
24.3750	-026.1	-026.6	-027.0	-027.4	-027.7
25.0000	-028.0	-028.3	-028.6	-028.7	-028.8
25.6250	-028.8	-028.6	-028.4	-028.0	-027.5
26.2500	-026.9	-026.3	-025.4	-024.5	-023.5
26.8750	-022.4	-021.3	-020.1	-018.9	-017.7
27.5000	-016.4	-015.1	-013.9	-012.6	-011.5
28.1250	-010.4	-009.2	-008.3	-007.3	-006.4
28.7500	-005.6	-004.8	-004.2	-003.6	-003.1
29.3750	-002.7	-002.4	-002.1	-002.0	-001.8
30.0000	-001.7	-001.7	-001.8	-001.8	-002.0
30.6250	-002.1	-002.3	-002.5	-002.7	-002.9
31.2500	-003.1	-003.2	-003.4	-003.5	-003.6
31.8750	-003.7	-003.7	-003.7	-003.7	-003.6
32.5000	-003.6	-003.4	-003.4	-003.2	-003.0
33.1250	-002.9	-002.6	-002.5	-002.1	-001.9
33.7500	-001.6	-001.3	-001.0	-000.6	-000.2
34.3750	+000.0	+000.5	+000.8	+001.2	+001.6
35.0000	+002.1	+002.4	+002.8	+003.2	+003.6
35.6250	+004.0	+004.4	+004.7	+005.0	+005.3
36.2500	+005.5	+005.8	+006.0	+006.1	+006.3
36.8750	+006.4	+006.5	+006.5	+006.5	+006.4

VARIABLE	PAX1	N002				
37.5000		+006.3	+006.2	+006.1	+005.9	+005.7
38.1250		+005.5	+005.3	+005.0	+004.7	+004.4
38.7500		+004.1	+003.8	+003.5	+003.1	+002.7
39.3750		+002.3	+002.0	+001.6	+001.2	+000.8
40.0000		+000.5	+000.2	-000.0	-000.3	-000.5
40.6250		-000.8	-000.9	-001.0	-001.2	-001.2
41.2500		-001.3	-001.2	-001.2	-001.2	-001.1
41.8750		-001.0	-000.8	-000.7	-000.5	-000.3
42.5000		-000.2	+000.0	+000.2	+000.3	+000.5
43.1250		+000.7	+000.8	+001.0	+001.1	+001.3
43.7500		+001.4	+001.5	+001.6	+001.8	+001.9
44.3750		+002.0	+002.1	+002.2	+002.3	+002.4
45.0000		+002.4	+002.5	+002.6	+002.6	+002.7
45.6250		+002.7	+002.7	+002.7	+002.7	+002.6
46.2500		+002.5	+002.5	+002.4	+002.4	+002.2
46.8750		+002.1	+001.9	+001.8	+001.6	+001.4
47.5000		+001.2	+001.0	+000.8	+000.6	+000.3
48.1250		+000.1	-000.0	-000.2	-000.4	-000.5
48.7500		-000.7	-000.9	-001.0	-001.1	-001.2
49.3750		-001.2	-001.2	-001.2	-001.2	-001.1
50.0000		-001.0	-000.9	-000.8	-000.7	-000.6
50.6250		-000.4	-000.3	-000.1	-000.0	+000.1
51.2500		+000.3	+000.5	+000.6	+000.8	+000.9
51.8750		+001.1	+001.2	+001.3	+001.4	+001.6
52.5000		+001.6	+001.8	+001.8	+001.8	+001.8
53.1250		+001.8	+001.8	+001.8	+001.7	+001.6
53.7500		+001.6	+001.4	+001.4	+001.3	+001.1
54.3750		+001.0	+000.9	+000.7	+000.6	+000.5
55.0000		+000.3	+000.2	+000.2	+000.0	+000.0
55.6250		-000.0	-000.0	-000.1	-000.2	-000.2
56.2500		-000.2	-000.3	-000.3	-000.3	-000.3
56.8750		-000.3	-000.3	-000.4	-000.4	-000.4
57.5000		-000.5	-000.5	-000.5	-000.5	-000.5
58.1250		-000.6	-000.6	-000.7	-000.7	-000.7
58.7500		-000.8	-000.8	-000.8	-000.8	-000.8
59.3750		-000.8	-000.8	-000.9	-000.9	+000.1

3 YR. OLD NECK PENDULUM

TEST # N004

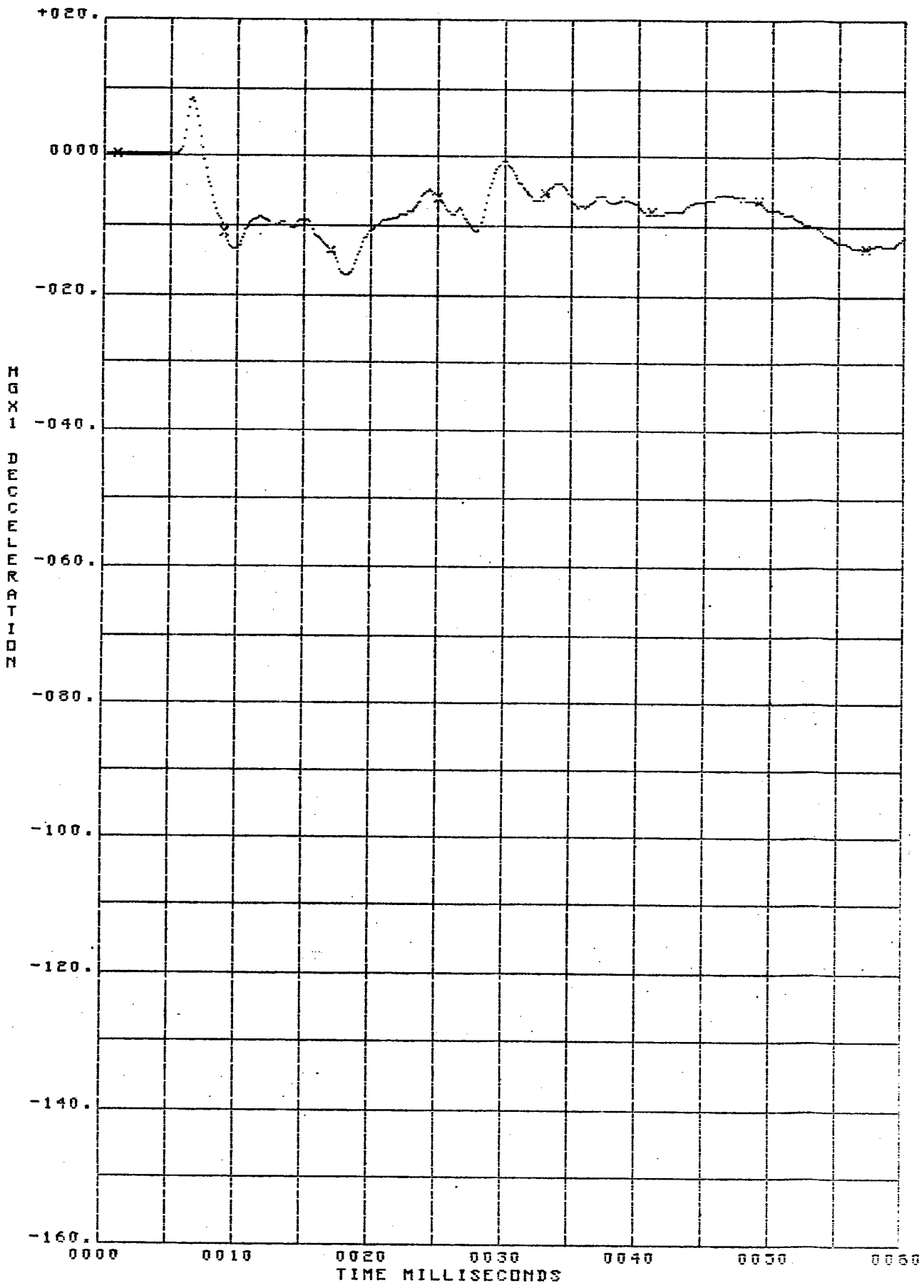
RELEASE hole # 9
" hgt. 84"
HEAD # 38
HEXCELL STANDARD
VELOCITY 17.5 fps

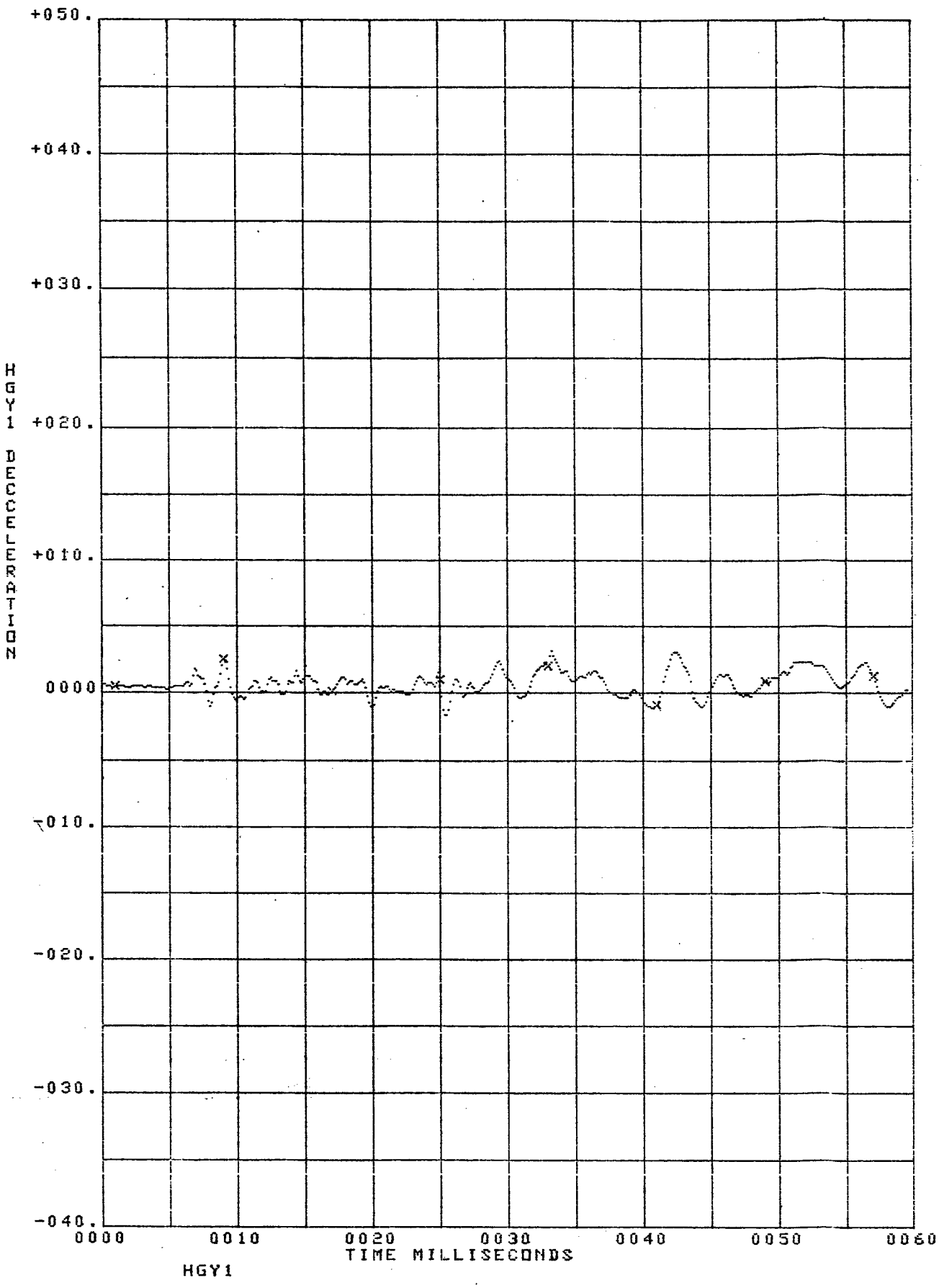
RESULTS

HEXCELL crushed to
RESULTANT 25.6 G
T2 - T1 2.250 m. s.
T3 - T2 18.750 m. s.
T4 - T3 2.125 m. s.
AVE T3-T2 25.971 G.

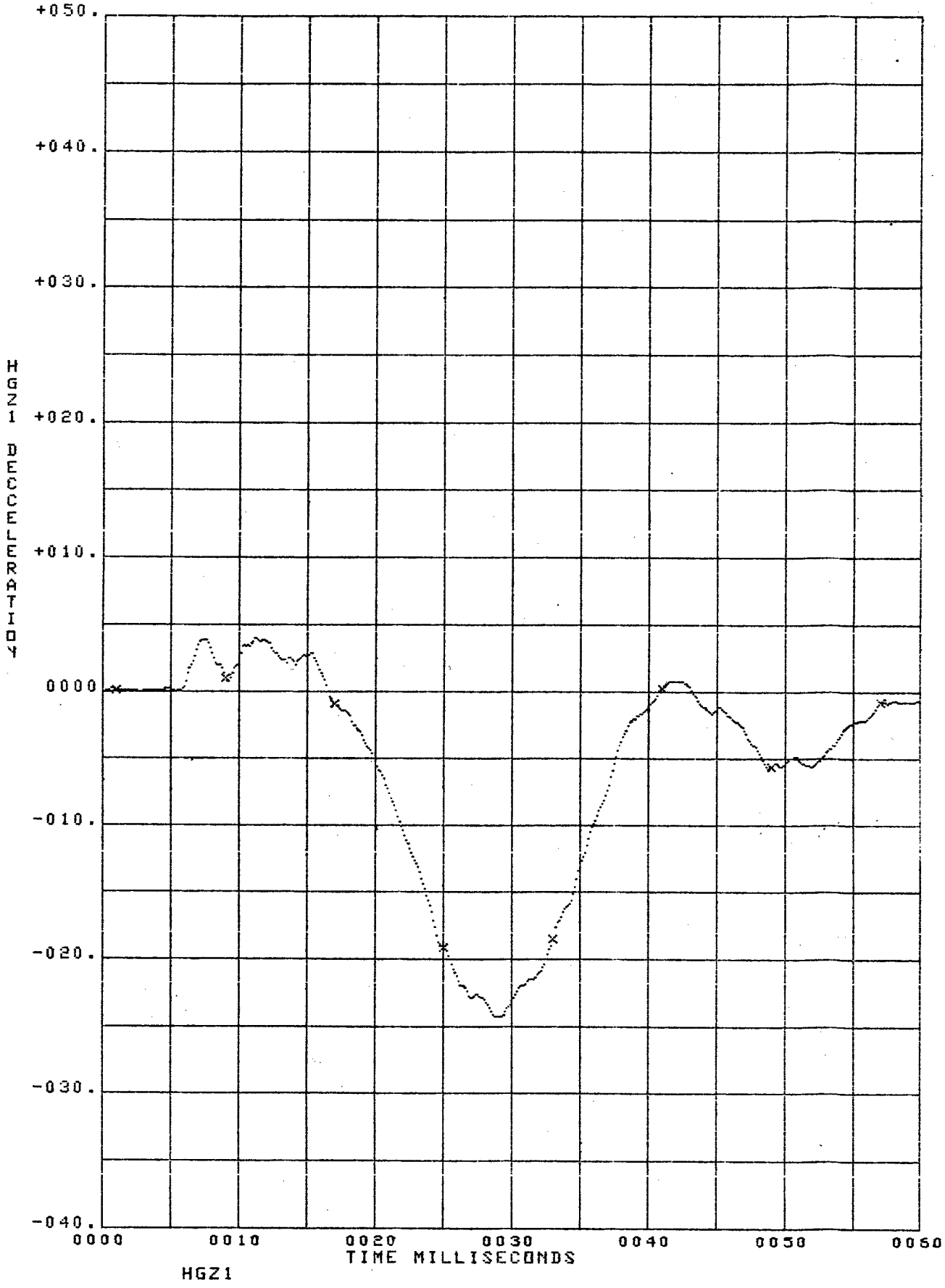
Rotation	Time	Disp
0°	0ms	0 ins
30°	21	2.05
60°	38	4.55
85°	67	5.90
60°	96	4.31
30°	113	2.33
0°	127	0.20

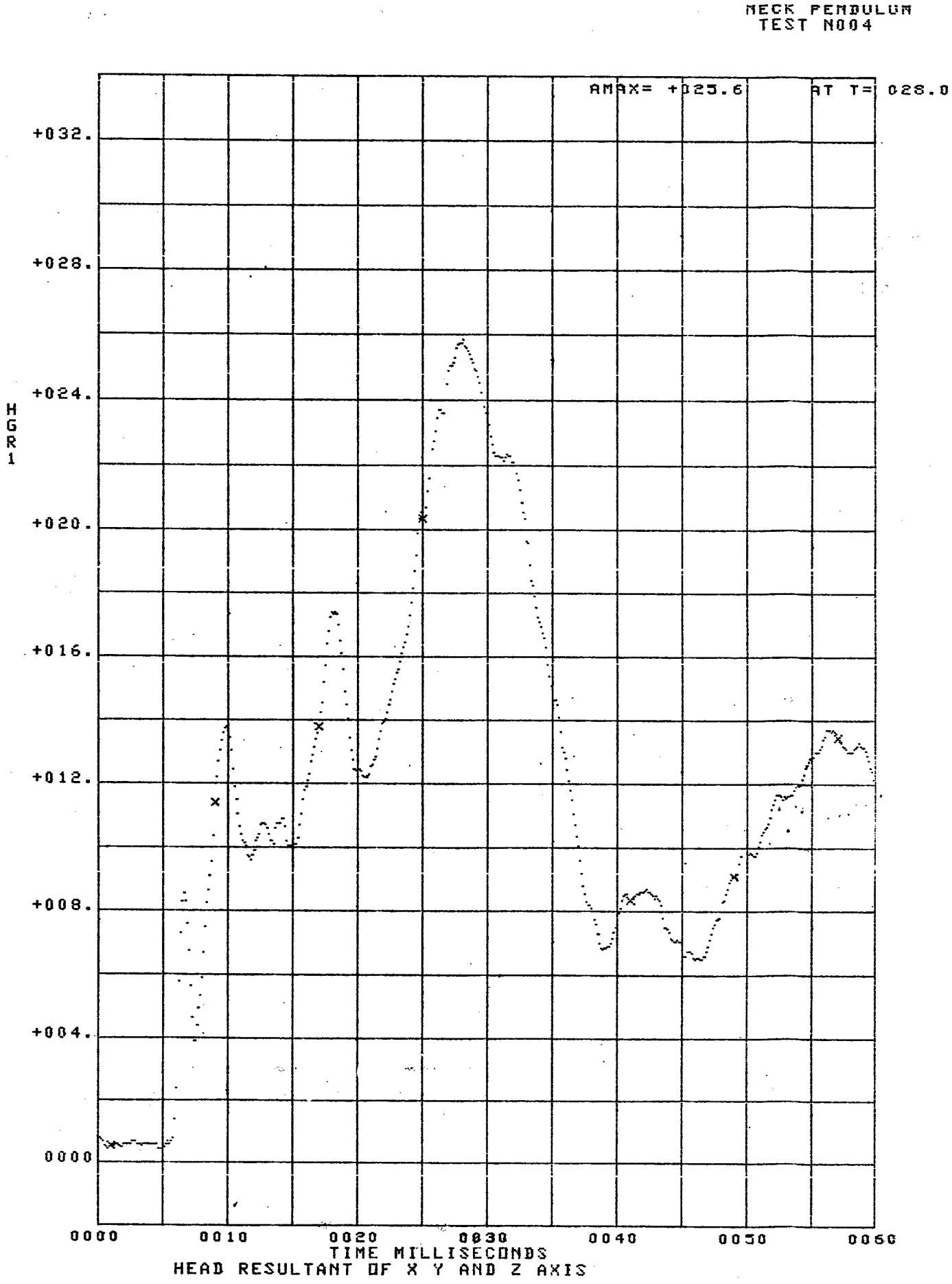
NECK PENDULUM
TEST M004



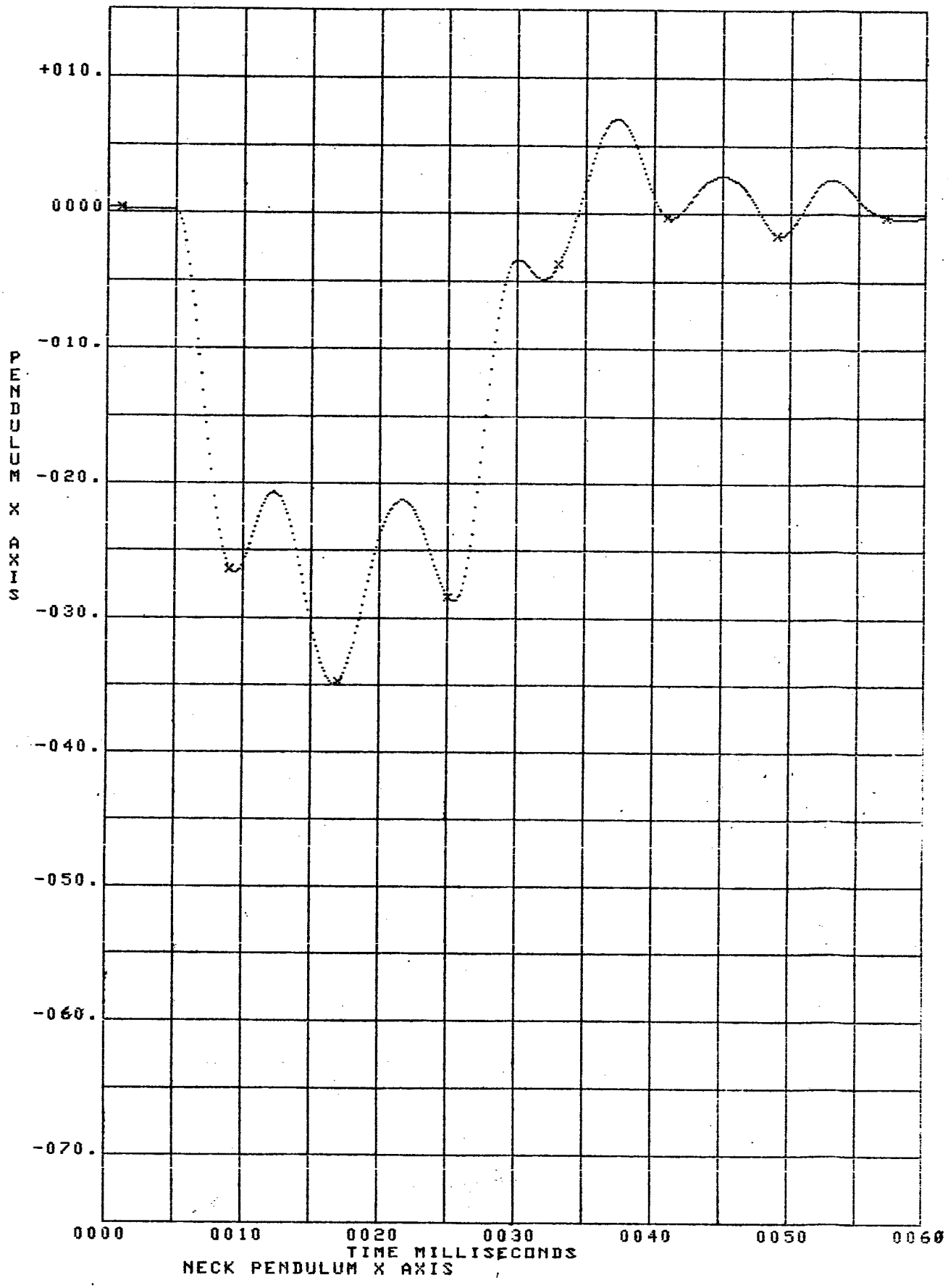

NECK PENDULUM
TEST N004
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGY1

NECK PENDULUM
TEST N004




NECK PENDULUM
TEST N004
AMAX= +025.6
AT T= 028.0
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR1
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

NECK PENDULUM
TEST N004



VARIABLE PAX1 N004

TIME					
0.0000	+000.1	+000.1	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.1
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.0	+000.0	+000.0	+000.0	+000.0
2.5000	+000.0	+000.0	+000.0	+000.0	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	+000.0	-000.0
5.0000	-000.1	-000.3	-000.7	-001.1	-001.6
5.6250	-002.3	-003.1	-004.0	-004.9	-006.0
6.2500	-007.1	-008.2	-009.4	-010.7	-011.9
6.8750	-013.2	-014.4	-015.6	-016.8	-018.0
7.5000	-019.1	-020.1	-021.0	-022.0	-022.7
8.1250	-023.5	-024.2	-024.8	-025.3	-025.7
8.7500	-026.1	-026.4	-026.6	-026.7	-026.7
9.3750	-026.7	-026.5	-026.4	-026.2	-025.9
10.0000	-025.6	-025.3	-024.9	-024.6	-024.2
10.6250	-023.7	-023.4	-023.0	-022.6	-022.3
11.2500	-021.9	-021.6	-021.4	-021.2	-021.0
11.8750	-020.9	-020.8	-020.7	-020.8	-020.9
12.5000	-021.0	-021.2	-021.5	-021.7	-022.1
13.1250	-022.4	-022.9	-023.3	-023.8	-024.3
13.7500	-024.9	-025.6	-026.2	-026.8	-027.4
14.3750	-028.2	-028.8	-029.4	-030.0	-030.6
15.0000	-031.2	-031.7	-032.1	-032.6	-033.0
15.6250	-033.4	-033.8	-034.1	-034.4	-034.6
16.2500	-034.8	-034.9	-035.0	-035.0	-034.9
16.8750	-034.8	-034.6	-034.4	-034.2	-033.9
17.5000	-033.5	-033.1	-032.7	-032.3	-031.8
18.1250	-031.2	-030.7	-030.2	-029.6	-029.0
18.7500	-028.5	-027.9	-027.4	-026.8	-026.3
19.3750	-025.8	-025.3	-024.9	-024.4	-024.0
20.0000	-023.6	-023.2	-022.9	-022.6	-022.4
20.6250	-022.1	-022.0	-021.8	-021.6	-021.6
21.2500	-021.5	-021.4	-021.4	-021.4	-021.5
21.8750	-021.5	-021.6	-021.8	-021.9	-022.1
22.5000	-022.3	-022.6	-022.9	-023.2	-023.5
23.1250	-023.8	-024.2	-024.6	-025.0	-025.4
23.7500	-025.7	-026.2	-026.5	-026.8	-027.1
24.3750	-027.4	-027.8	-028.0	-028.2	-028.4
25.0000	-028.5	-028.7	-028.7	-028.7	-028.7
25.6250	-028.5	-028.3	-028.0	-027.5	-027.0
26.2500	-026.3	-025.6	-024.8	-023.8	-022.9
26.8750	-021.8	-020.9	-019.6	-018.5	-017.3
27.5000	-016.1	-014.9	-013.8	-012.7	-011.6
28.1250	-010.6	-009.6	-008.8	-007.9	-007.2
28.7500	-006.5	-005.9	-005.4	-004.9	-004.5
29.3750	-004.2	-003.9	-003.8	-003.7	-003.6
30.0000	-003.6	-003.6	-003.7	-003.8	-003.9
30.6250	-004.1	-004.2	-004.4	-004.5	-004.6
31.2500	-004.8	-004.9	-004.9	-005.0	-005.0
31.8750	-005.0	-005.0	-004.9	-004.9	-004.7
32.5000	-004.6	-004.4	-004.2	-003.9	-003.8
33.1250	-003.5	-003.2	-002.9	-002.6	-002.2
33.7500	-001.9	-001.5	-001.1	-000.7	-000.3
34.3750	+000.0	+000.4	+000.9	+001.3	+001.7
35.0000	+002.1	+002.6	+003.0	+003.4	+003.8
35.6250	+004.2	+004.6	+004.9	+005.3	+005.5
36.2500	+005.7	+006.1	+006.2	+006.4	+006.5
36.8750	+006.6	+006.7	+006.7	+006.7	+006.7

VARIABLE	PAX1	N004				
37.5000		+006.6	+006.5	+006.4	+006.2	+005.9
38.1250		+005.7	+005.4	+005.2	+004.8	+004.5
38.7500		+004.2	+003.8	+003.4	+003.1	+002.7
39.3750		+002.3	+002.0	+001.6	+001.3	+001.0
40.0000		+000.6	+000.4	+000.1	+000.0	-000.1
40.6250		-000.3	-000.4	-000.5	-000.6	-000.6
41.2500		-000.6	-000.5	-000.4	-000.4	-000.3
41.8750		-000.1	+000.0	+000.1	+000.3	+000.4
42.5000		+000.6	+000.7	+000.9	+001.1	+001.2
43.1250		+001.4	+001.5	+001.7	+001.8	+001.9
43.7500		+002.0	+002.1	+002.1	+002.2	+002.3
44.3750		+002.3	+002.4	+002.5	+002.5	+002.5
45.0000		+002.5	+002.4	+002.4	+002.3	+002.3
45.6250		+002.2	+002.1	+002.1	+002.0	+001.9
46.2500		+001.8	+001.7	+001.6	+001.4	+001.2
46.8750		+001.0	+000.9	+000.7	+000.4	+000.2
47.5000		+000.0	-000.1	-000.3	-000.6	-000.8
48.1250		-001.0	-001.2	-001.3	-001.5	-001.6
48.7500		-001.7	-001.8	-001.8	-001.8	-001.8
49.3750		-001.8	-001.6	-001.6	-001.4	-001.3
50.0000		-001.1	-001.0	-000.8	-000.6	-000.4
50.6250		-000.3	-000.0	+000.1	+000.3	+000.5
51.2500		+000.7	+000.9	+001.1	+001.3	+001.5
51.8750		+001.7	+001.8	+001.9	+002.0	+002.1
52.5000		+002.1	+002.1	+002.2	+002.2	+002.2
53.1250		+002.1	+002.1	+002.1	+002.0	+002.0
53.7500		+001.9	+001.8	+001.7	+001.5	+001.4
54.3750		+001.3	+001.2	+001.0	+000.9	+000.7
55.0000		+000.6	+000.5	+000.4	+000.3	+000.1
55.6250		+000.1	+000.0	-000.0	-000.1	-000.1
56.2500		-000.2	-000.3	-000.3	-000.3	-000.4
56.8750		-000.4	-000.4	-000.5	-000.5	-000.6
57.5000		-000.6	-000.6	-000.6	-000.6	-000.6
58.1250		-000.6	-000.6	-000.6	-000.6	-000.6
58.7500		-000.6	-000.6	-000.6	-000.6	-000.5
59.3750		-000.5	-000.4	-000.4	-000.4	+000.0

3 YR. OLD NECK PENDULUM

TEST # N006

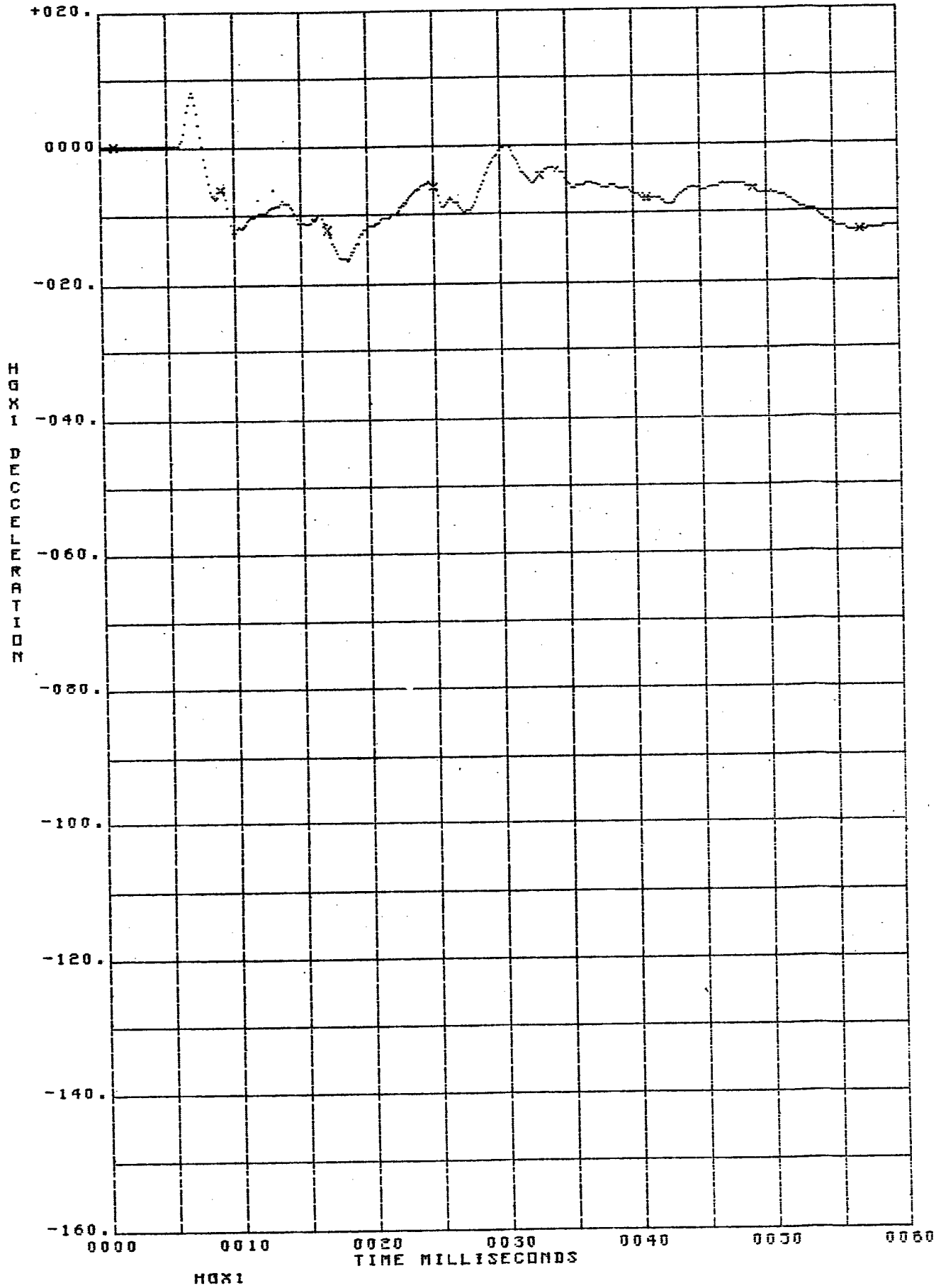
RELEASE hole # 9
" hgt. 84"
HEAD # 38
HEXCELL standard
VELOCITY 17.5 fps

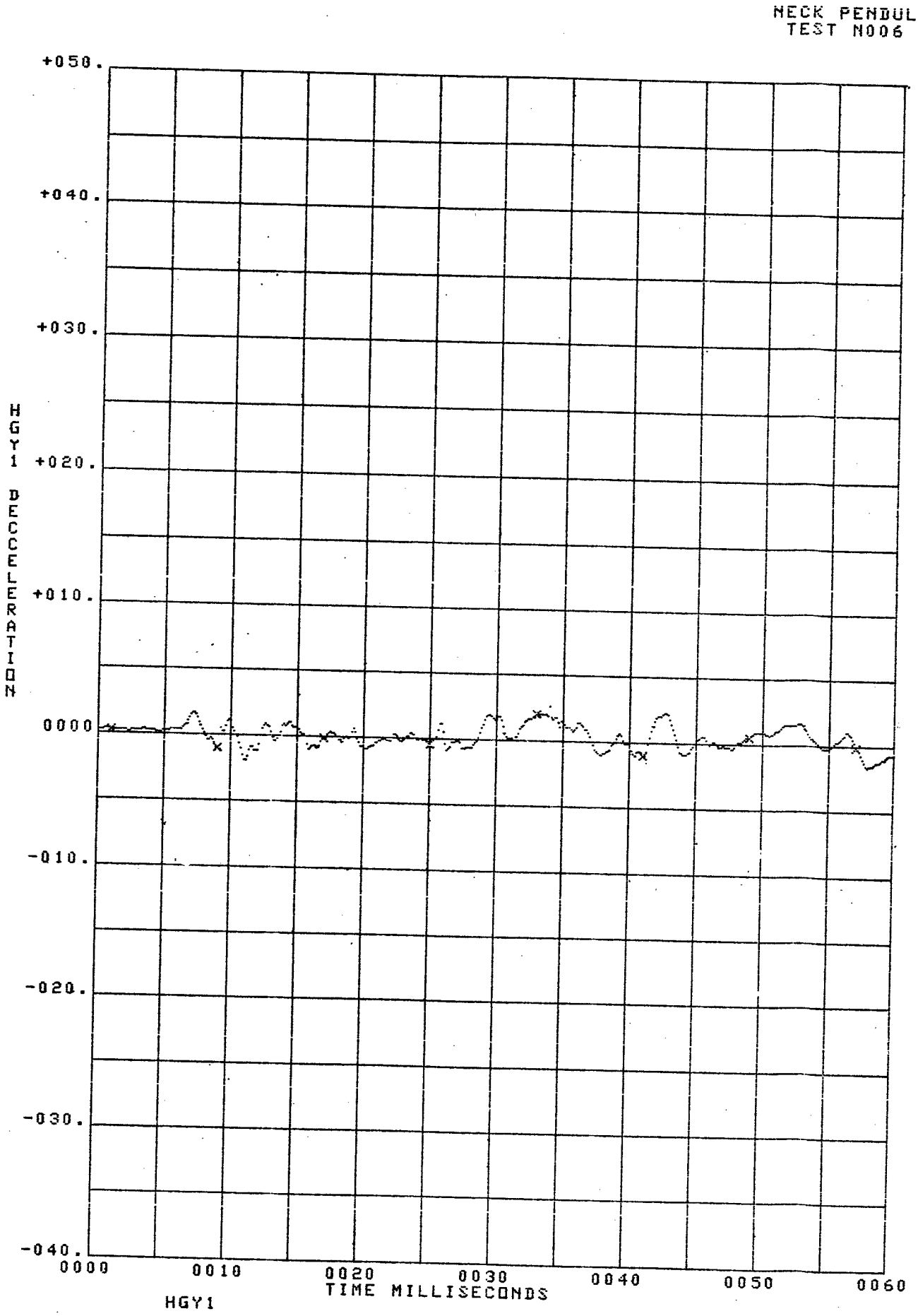
RESULTS

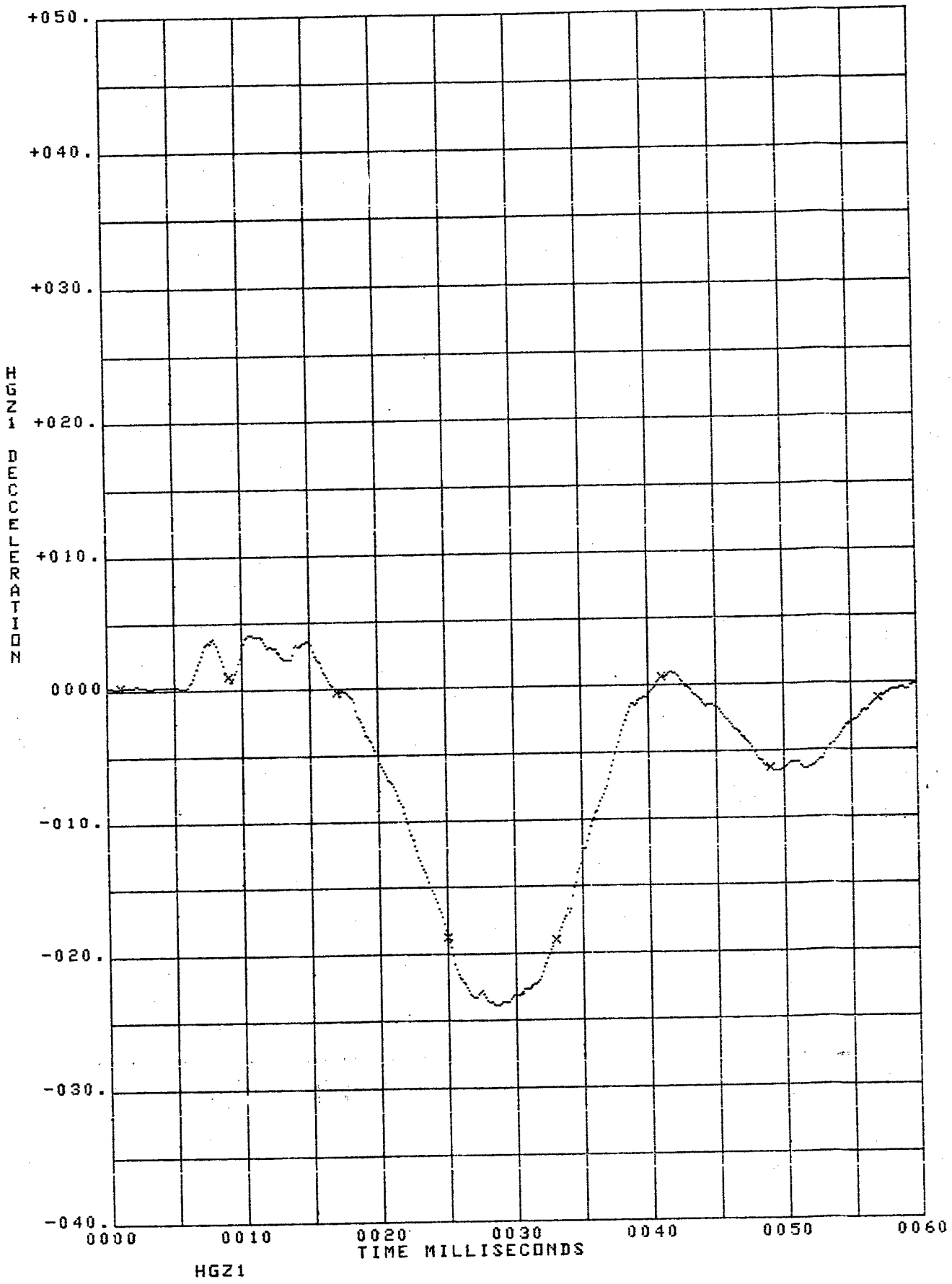
HEXCELL crushed to
RESULTANT 25.5 G
T2 - T1 1.750 m. s.
T3 - T2 19.000 m. s.
T4 - T3 1.750 m. s.
AVE T3-T2 26.287 G.

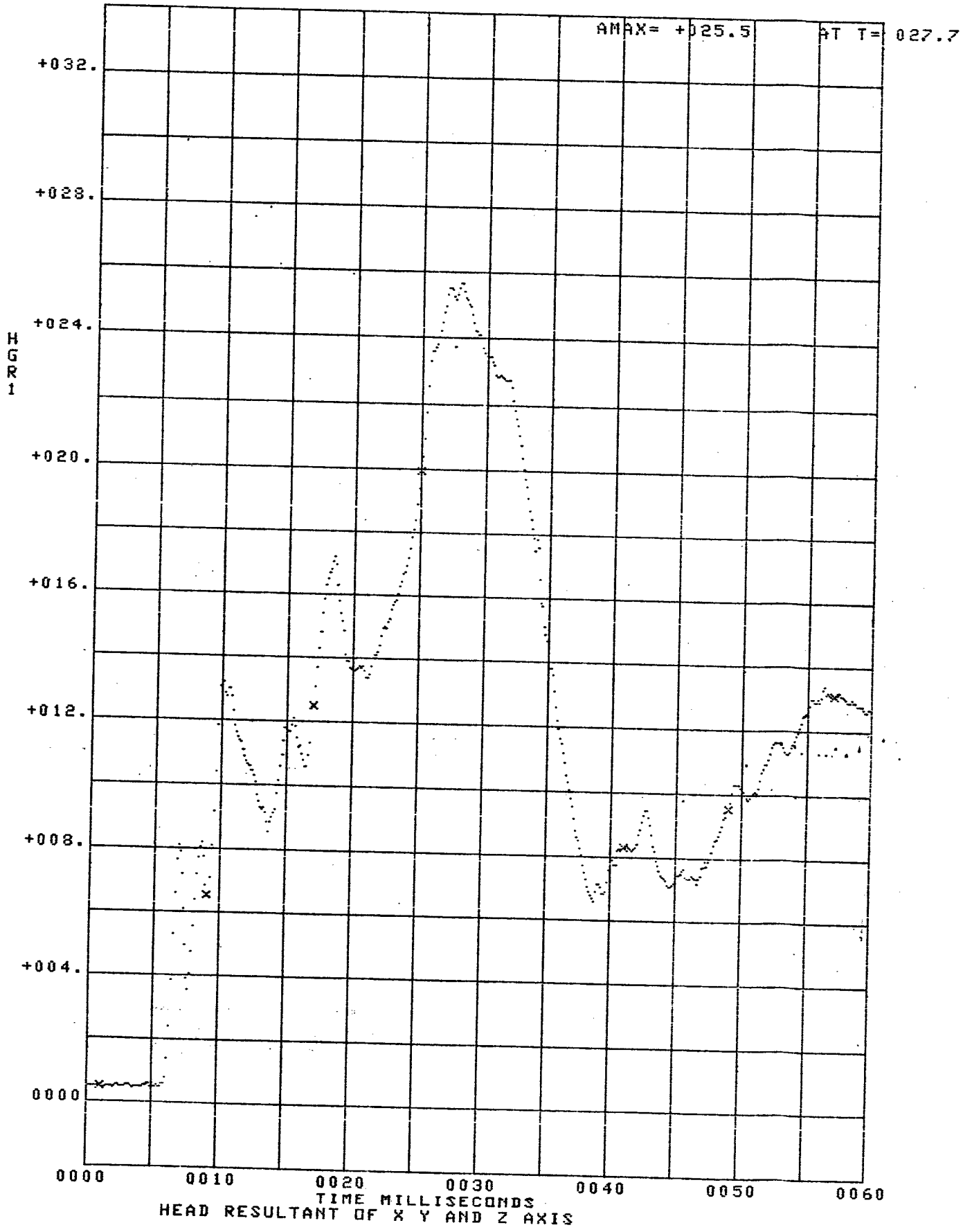
Rotation	Time	Disp
0°	0 ms	0 ins.
30°	21	2.29
60°	36	4.41
88°	66	6.01
60°	95	4.47
30°	114	2.10
0°	127	.13

NECK PENDULUM
TEST N006

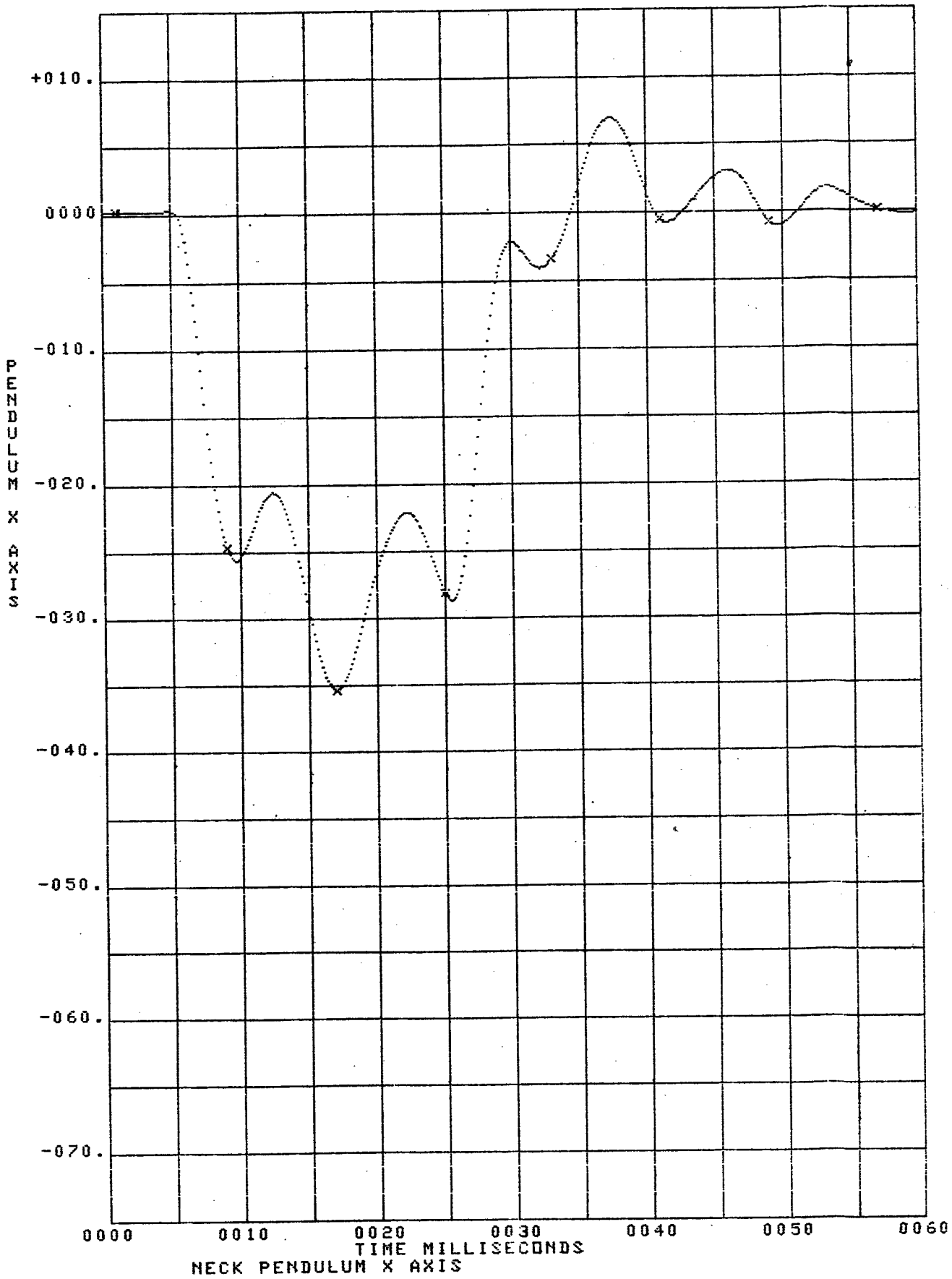



NECK PENDULUM
TEST N006
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGY1


NECK PENDULUM
TEST N006
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGZ1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGZ1


NECK PENDULUM
TEST N006
AMAX= +025.5
AT T= 027.7
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR1
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

NECK PENDULUM
TEST N006



VARIABLE PAX1, N006

TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.0	+000.0	+000.0	+000.0	+000.0
2.5000	+000.0	+000.0	+000.0	+000.0	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	+000.0	+000.0
5.0000	+000.0	+000.1	+000.1	+000.1	+000.1
5.6250	-000.9	-001.4	-002.1	-002.9	-003.7
6.2500	-004.6	-005.7	-006.7	-007.9	-009.0
6.8750	-010.3	-011.5	-012.8	-014.0	-015.1
7.5000	-016.3	-017.4	-018.4	-019.4	-020.3
8.1250	-021.2	-022.0	-022.7	-023.3	-023.9
8.7500	-024.3	-024.7	-025.0	-025.3	-025.5
9.3750	-025.6	-025.8	-025.7	-025.6	-025.5
10.0000	-025.3	-025.0	-024.8	-024.5	-024.2
10.6250	-023.8	-023.4	-023.1	-022.7	-022.3
11.2500	-022.0	-021.7	-021.5	-021.3	-021.1
11.8750	-020.9	-020.8	-020.7	-020.6	-020.7
12.5000	-020.7	-020.8	-020.9	-021.3	-021.6
13.1250	-021.9	-022.2	-022.6	-023.0	-023.5
13.7500	-023.9	-024.5	-025.1	-025.7	-026.3
14.3750	-026.8	-027.4	-028.1	-028.8	-029.4
15.0000	-029.9	-030.5	-031.2	-031.7	-032.3
15.6250	-032.8	-033.3	-033.7	-034.1	-034.4
16.2500	-034.7	-034.9	-035.2	-035.4	-035.4
16.8750	-035.4	-035.4	-035.4	-035.2	-035.0
17.5000	-034.7	-034.5	-034.2	-033.9	-033.5
18.1250	-033.0	-032.6	-032.2	-031.7	-031.2
18.7500	-030.7	-030.2	-029.7	-029.2	-028.7
19.3750	-028.2	-027.7	-027.4	-026.9	-026.6
20.0000	-026.1	-025.8	-025.4	-025.0	-024.7
20.6250	-024.4	-024.1	-023.8	-023.5	-023.3
21.2500	-023.0	-022.8	-022.7	-022.5	-022.3
21.8750	-022.3	-022.2	-022.2	-022.3	-022.3
22.5000	-022.3	-022.5	-022.7	-022.9	-023.1
23.1250	-023.4	-023.7	-024.0	-024.4	-024.7
23.7500	-025.1	-025.5	-025.9	-026.3	-026.6
24.3750	-027.0	-027.3	-027.7	-028.0	-028.2
25.0000	-028.5	-028.6	-028.8	-028.9	-028.8
25.6250	-028.6	-028.4	-028.0	-027.5	-027.0
26.2500	-026.3	-025.5	-024.5	-023.6	-022.5
26.8750	-021.4	-020.2	-019.1	-017.8	-016.6
27.5000	-015.4	-014.1	-013.0	-011.8	-010.7
28.1250	-009.6	-008.6	-007.6	-006.8	-006.0
28.7500	-005.3	-004.6	-004.0	-003.6	-003.2
29.3750	-002.9	-002.6	-002.5	-002.3	-002.3
30.0000	-002.3	-002.3	-002.4	-002.6	-002.7
30.6250	-002.9	-003.1	-003.2	-003.4	-003.6
31.2500	-003.7	-003.9	-004.0	-004.1	-004.2
31.8750	-004.2	-004.3	-004.2	-004.2	-004.2
32.5000	-004.0	-003.9	-003.7	-003.6	-003.4
33.1250	-003.2	-003.0	-002.7	-002.5	-002.1
33.7500	-001.8	-001.5	-001.1	-000.7	-000.3
34.3750	+000.0	+000.4	+000.8	+001.3	+001.7
35.0000	+002.1	+002.5	+003.0	+003.4	+003.8
35.6250	+004.1	+004.6	+004.9	+005.2	+005.5
36.2500	+005.7	+006.0	+006.1	+006.3	+006.5
36.8750	+006.5	+006.6	+006.7	+006.7	+006.7

VARIABLE	PAX1	N006				
37.5000		+006.6	+006.5	+006.5	+006.3	+006.1
38.1250		+005.9	+005.7	+005.5	+005.2	+004.9
38.7500		+004.6	+004.2	+003.8	+003.5	+003.1
39.3750		+002.7	+002.3	+001.9	+001.6	+001.2
40.0000		+000.8	+000.5	+000.2	+000.0	-000.2
40.6250		-000.3	-000.5	-000.7	-000.8	-000.9
41.2500		-000.9	-000.9	-000.9	-000.9	-000.8
41.8750		-000.8	-000.7	-000.5	-000.4	-000.3
42.5000		-000.2	-000.0	+000.0	+000.2	+000.3
43.1250		+000.5	+000.6	+000.7	+000.9	+001.0
43.7500		+001.2	+001.3	+001.5	+001.6	+001.8
44.3750		+001.9	+002.0	+002.1	+002.2	+002.3
45.0000		+002.4	+002.5	+002.5	+002.6	+002.7
45.6250		+002.7	+002.7	+002.8	+002.7	+002.7
46.2500		+002.7	+002.6	+002.5	+002.4	+002.4
46.8750		+002.2	+002.1	+001.9	+001.7	+001.5
47.5000		+001.3	+001.0	+000.8	+000.6	+000.3
48.1250		+000.1	-000.0	-000.2	-000.5	-000.6
48.7500		-000.8	-000.9	-001.0	-001.1	-001.2
49.3750		-001.2	-001.2	-001.2	-001.2	-001.2
50.0000		-001.0	-001.0	-000.9	-000.8	-000.7
50.6250		-000.6	-000.5	-000.3	-000.2	-000.0
51.2500		+000.0	+000.2	+000.3	+000.5	+000.6
51.8750		+000.7	+000.8	+001.0	+001.1	+001.1
52.5000		+001.3	+001.3	+001.4	+001.4	+001.4
53.1250		+001.4	+001.4	+001.4	+001.4	+001.4
53.7500		+001.3	+001.3	+001.3	+001.1	+001.1
54.3750		+001.1	+001.0	+000.9	+000.8	+000.8
55.0000		+000.7	+000.6	+000.5	+000.5	+000.4
55.6250		+000.3	+000.3	+000.2	+000.2	+000.1
56.2500		+000.1	+000.0	+000.0	-000.0	-000.0
56.8750		-000.0	-000.1	-000.1	-000.2	-000.2
57.5000		-000.2	-000.2	-000.3	-000.3	-000.3
58.1250		-000.3	-000.3	-000.4	-000.4	-000.4
58.7500		-000.4	-000.4	-000.4	-000.4	-000.4
59.3750		-000.4	-000.4	-000.3	-000.3	+315.0

3 YR. OLD NECK PENDULUM

TEST # N007

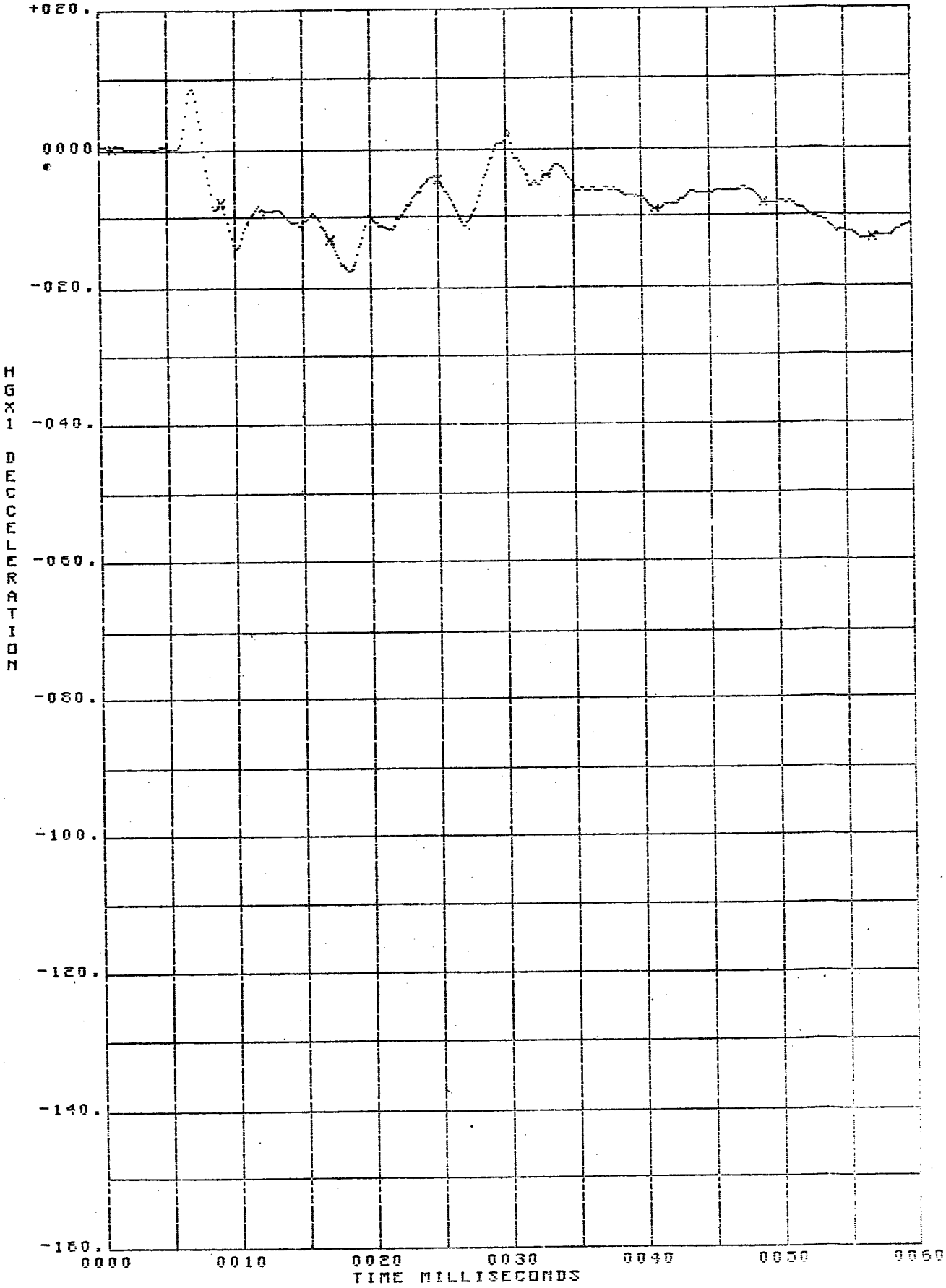
RELEASE hole # 9
" hgt. 84"
HEAD # 38
HEXCELL standard

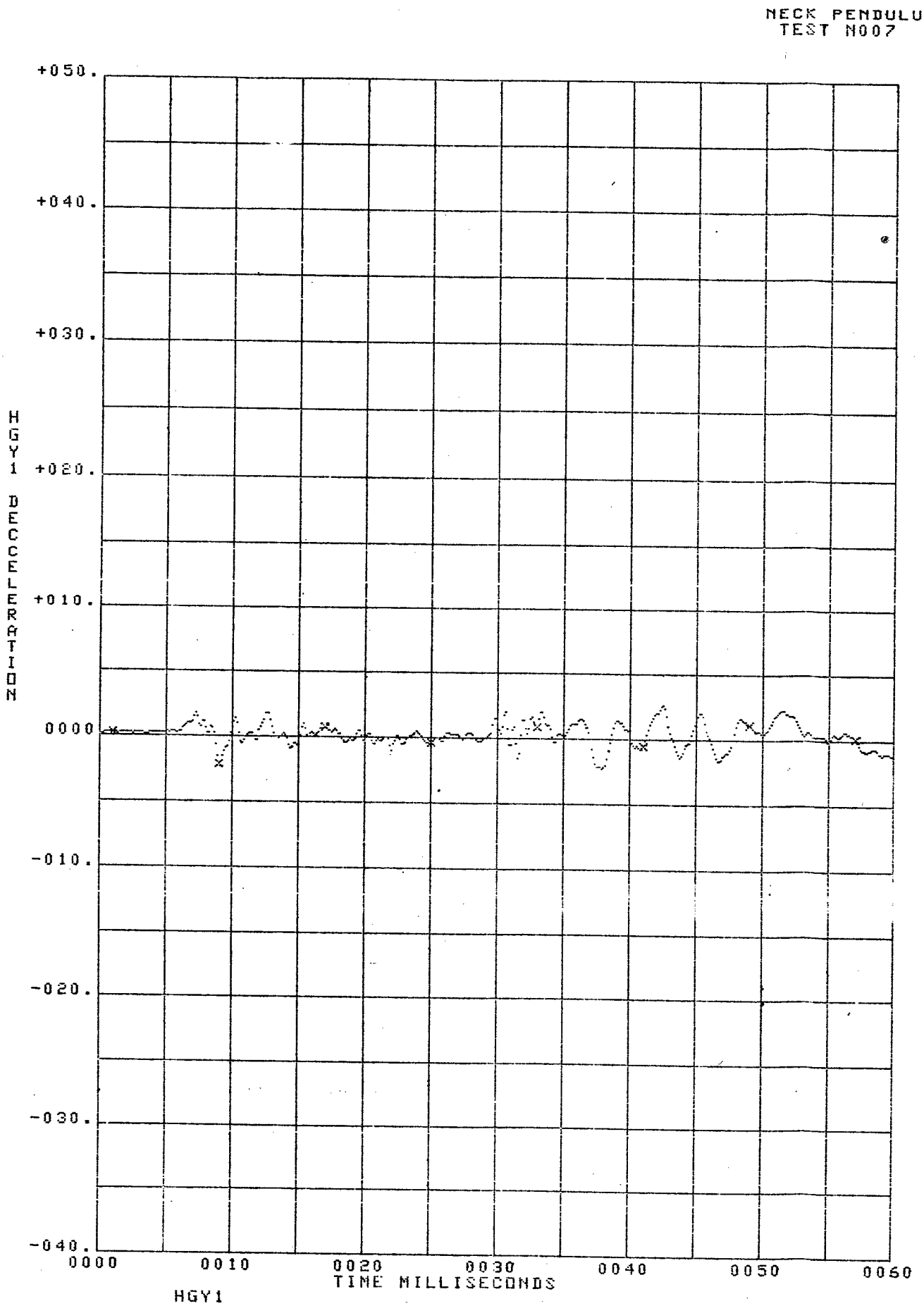
RESULTS

HEXCELL crushed to
RESULTANT 26.7 G
T2 - T1 1.625 m. s.
T3 - T2 19.000 m. s.
T4 - T3 1.625 m. s.
AVE T3-T2 27.161 G

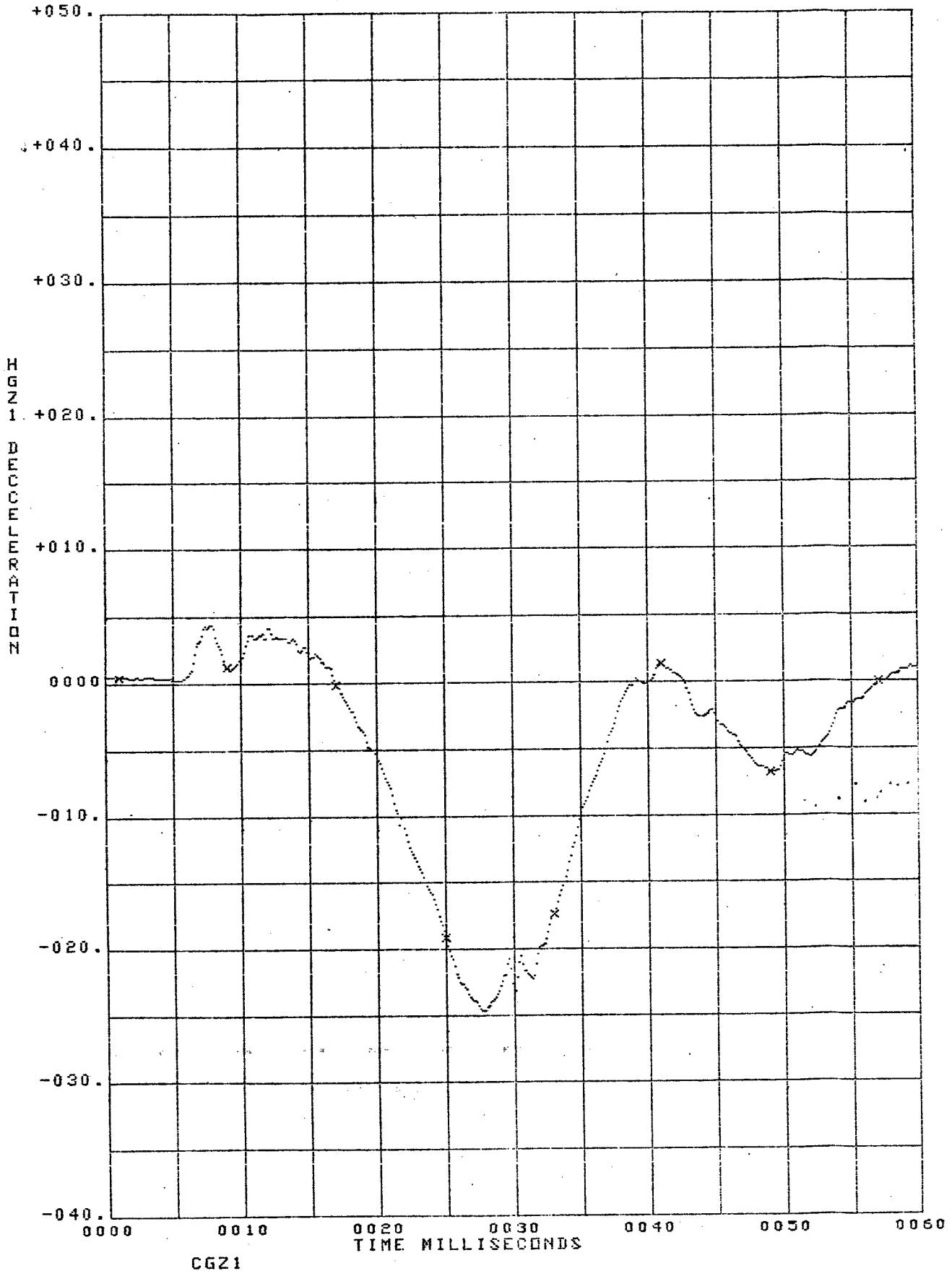
Rotation	Time	Disp
0°	0ms	0 ins.
30°	22	2.18
60°	36	4.22
85°	65	5.94
60°	97	4.45
30°	115	2.30
0°	131	.06

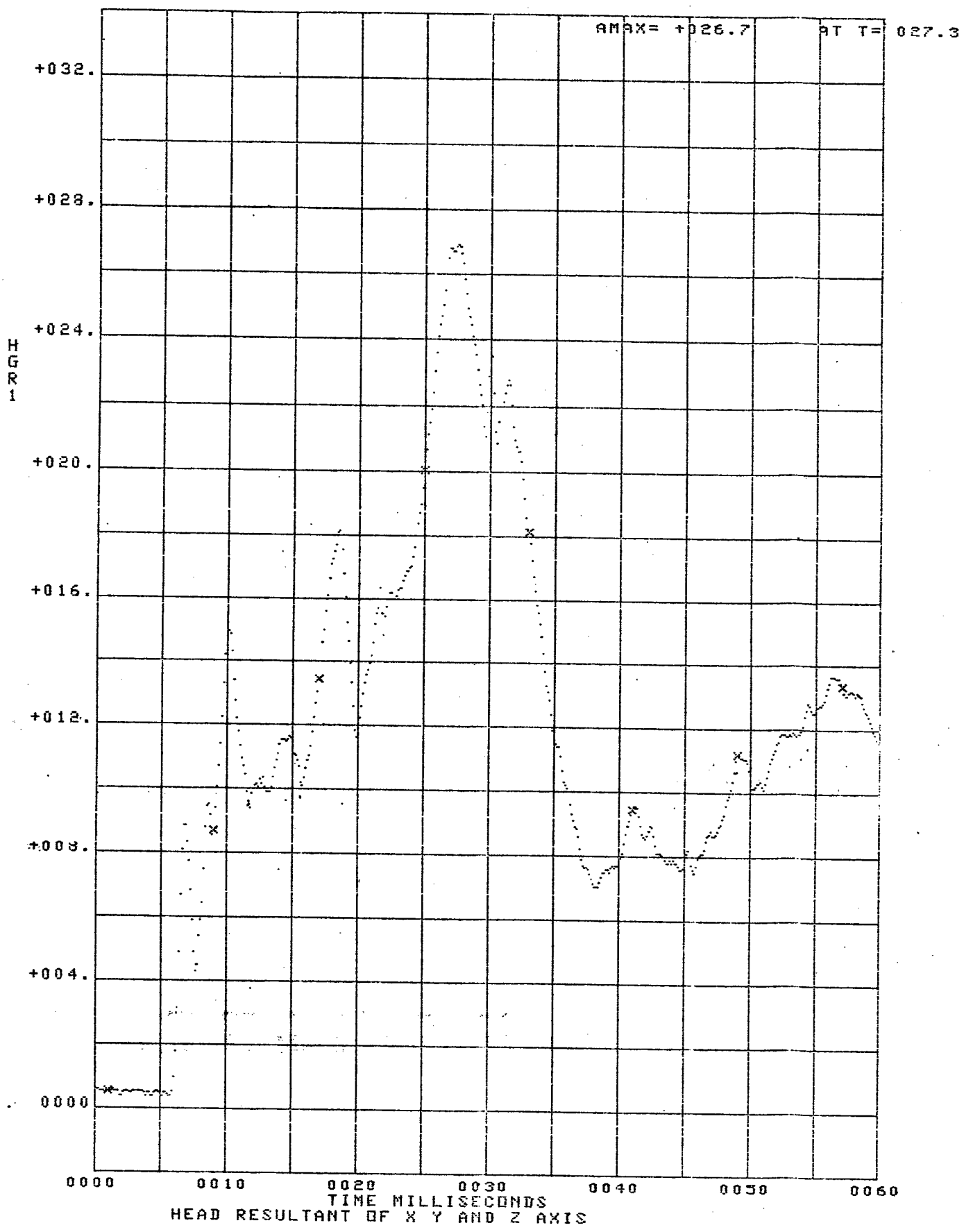
NECK PENDULUM
TEST M007

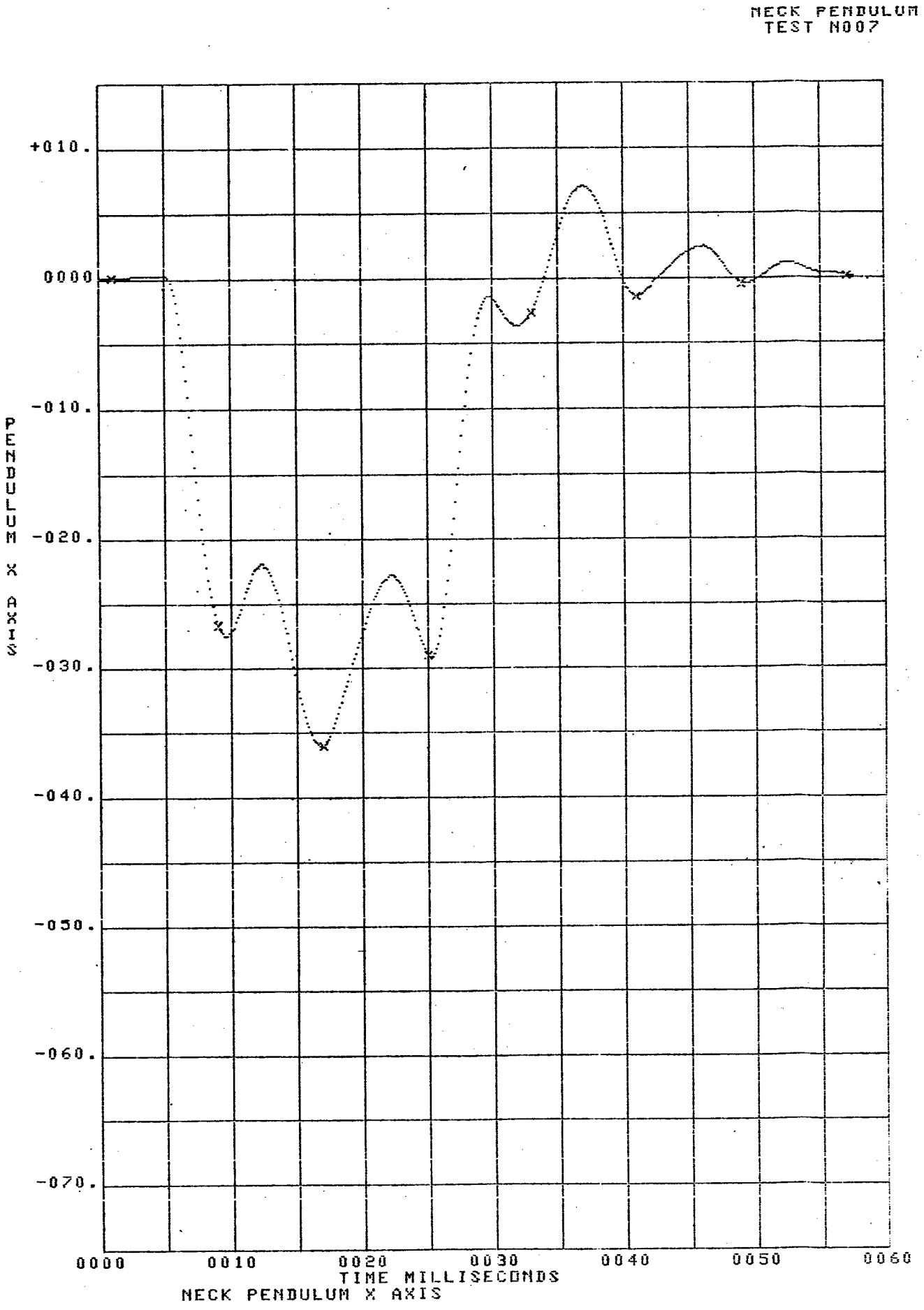



NECK PENDULUM
TEST N007
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGY1

NECK PENDULUM
TEST N007




NECK PENDULUM
TEST N007
AMAX= +026.7
AT T= 027.3
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR 1
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS


NECK PENDULUM
TEST N007
+010.
0000
-010.
-020.
-030.
-040.
-050.
-060.
-070.
PENDULUM X AXIS
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
NECK PENDULUM X AXIS

VARIABLE PAX1 N007

TIME					
0.0000	-000.1	-000.1	-000.1	-000.1	-000.1
0.6250	-000.1	-000.1	-000.0	-000.0	-000.0
1.2500	-000.0	-000.0	-000.0	-000.0	-000.0
1.8750	-000.0	-000.0	-000.0	-000.0	+000.0
2.5000	+000.0	+000.0	+000.0	+000.0	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	+000.0	+000.0
5.0000	+000.0	-000.0	-000.2	-000.4	-000.9
5.6250	-001.3	-001.9	-002.7	-003.5	-004.6
6.2500	-005.6	-006.8	-007.9	-009.2	-010.6
6.8750	-012.0	-013.3	-014.4	-015.7	-016.9
7.5000	-018.2	-019.3	-020.3	-021.2	-022.3
8.1250	-023.1	-023.8	-024.5	-025.2	-025.8
8.7500	-026.3	-026.7	-027.0	-027.2	-027.4
9.3750	-027.6	-027.6	-027.6	-027.4	-027.3
10.0000	-027.1	-026.8	-026.5	-026.1	-025.8
10.6250	-025.4	-025.1	-024.6	-024.2	-023.8
11.2500	-023.4	-023.1	-022.7	-022.5	-022.3
11.8750	-022.3	-022.1	-022.0	-022.0	-022.2
12.5000	-022.3	-022.4	-022.6	-022.8	-023.2
13.1250	-023.5	-024.0	-024.3	-024.7	-025.2
13.7500	-025.7	-026.3	-026.8	-027.4	-028.1
14.3750	-028.7	-029.3	-029.9	-030.6	-031.2
15.0000	-031.8	-032.3	-032.8	-033.4	-033.9
15.6250	-034.3	-034.6	-034.9	-035.2	-035.5
16.2500	-035.7	-035.7	-035.9	-036.0	-036.1
16.8750	-036.1	-035.9	-035.7	-035.6	-035.3
17.5000	-035.1	-034.7	-034.3	-033.9	-033.5
18.1250	-033.1	-032.6	-032.2	-031.8	-031.4
18.7500	-031.0	-030.6	-030.1	-029.7	-029.3
19.3750	-028.9	-028.5	-028.1	-027.7	-027.3
20.0000	-026.9	-026.5	-026.1	-025.7	-025.4
20.6250	-025.1	-024.8	-024.5	-024.2	-023.9
21.2500	-023.7	-023.5	-023.3	-023.1	-023.1
21.8750	-022.9	-022.9	-022.9	-022.9	-023.0
22.5000	-023.1	-023.2	-023.4	-023.7	-023.9
23.1250	-024.2	-024.5	-024.8	-025.2	-025.6
23.7500	-026.0	-026.3	-026.8	-027.1	-027.6
24.3750	-027.9	-028.2	-028.5	-028.9	-029.0
25.0000	-029.2	-029.2	-029.2	-028.9	-028.6
25.6250	-028.2	-027.6	-027.0	-026.2	-025.3
26.2500	-024.3	-023.2	-022.1	-020.9	-019.7
26.8750	-018.5	-017.2	-015.9	-014.6	-013.4
27.5000	-012.2	-011.0	-009.9	-008.8	-007.7
28.1250	-006.8	-005.9	-005.1	-004.4	-003.8
28.7500	-003.2	-002.8	-002.4	-002.1	-001.9
29.3750	-001.7	-001.6	-001.5	-001.6	-001.6
30.0000	-001.8	-001.9	-002.1	-002.3	-002.5
30.6250	-002.7	-002.9	-003.1	-003.3	-003.5
31.2500	-003.6	-003.6	-003.8	-003.8	-003.8
31.8750	-003.8	-003.8	-003.6	-003.6	-003.5
32.5000	-003.3	-003.2	-002.9	-002.7	-002.5
33.1250	-002.2	-001.9	-001.6	-001.2	-000.9
33.7500	-000.5	-000.1	+000.2	+000.6	+001.0
34.3750	+001.5	+001.9	+002.3	+002.8	+003.2
35.0000	+003.6	+004.0	+004.3	+004.7	+005.1
35.6250	+005.4	+005.7	+005.9	+006.2	+006.3
36.2500	+006.5	+006.6	+006.7	+006.7	+006.8
36.8750	+006.8	+006.7	+006.7	+006.6	+006.4

VARIABLE	PAX1	N007				
37.5000		+006.3	+006.1	+005.9	+005.7	+005.4
38.1250		+005.1	+004.8	+004.4	+004.0	+003.6
38.7500		+003.2	+002.8	+002.3	+001.9	+001.5
39.3750		+001.0	+000.6	+000.3	+000.0	-000.3
40.0000		-000.6	-000.8	-001.0	-001.2	-001.3
40.6250		-001.4	-001.5	-001.5	-001.5	-001.4
41.2500		-001.4	-001.3	-001.2	-001.0	-001.0
41.8750		-000.8	-000.7	-000.5	-000.4	-000.2
42.5000		-000.1	-000.0	+000.0	+000.1	+000.3
43.1250		+000.4	+000.5	+000.6	+000.7	+000.9
43.7500		+001.0	+001.0	+001.2	+001.4	+001.4
44.3750		+001.5	+001.5	+001.7	+001.7	+001.8
45.0000		+001.8	+001.9	+002.0	+002.0	+002.1
45.6250		+002.1	+002.1	+002.1	+002.1	+002.1
46.2500		+002.0	+002.0	+001.9	+001.8	+001.7
46.8750		+001.6	+001.4	+001.3	+001.1	+000.9
47.5000		+000.8	+000.6	+000.4	+000.2	+000.1
48.1250		+000.0	-000.1	-000.3	-000.4	-000.5
48.7500		-000.5	-000.6	-000.6	-000.6	-000.6
49.3750		-000.6	-000.6	-000.5	-000.5	-000.4
50.0000		-000.3	-000.2	-000.1	-000.1	+000.0
50.6250		+000.0	+000.1	+000.3	+000.3	+000.4
51.2500		+000.4	+000.6	+000.6	+000.7	+000.7
51.8750		+000.8	+000.8	+000.9	+000.9	+000.9
52.5000		+000.9	+000.8	+000.8	+000.8	+000.7
53.1250		+000.7	+000.7	+000.6	+000.6	+000.5
53.7500		+000.4	+000.4	+000.3	+000.3	+000.3
54.3750		+000.3	+000.2	+000.2	+000.1	+000.1
55.0000		+000.1	+000.1	+000.1	+000.1	+000.1
55.6250		+000.1	+000.1	+000.1	+000.1	+000.1
56.2500		+000.0	+000.0	+000.0	+000.0	+000.0
56.8750		-000.0	-000.1	-000.1	-000.1	-000.1
57.5000		-000.1	-000.2	-000.2	-000.2	-000.2
58.1250		-000.3	-000.3	-000.3	-000.3	-000.3
58.7500		-000.3	-000.3	-000.3	-000.3	-000.2
59.3750		-000.2	-000.1	-000.1	-000.1	+000.0

3 yr. old neck pendulum

Test # N001

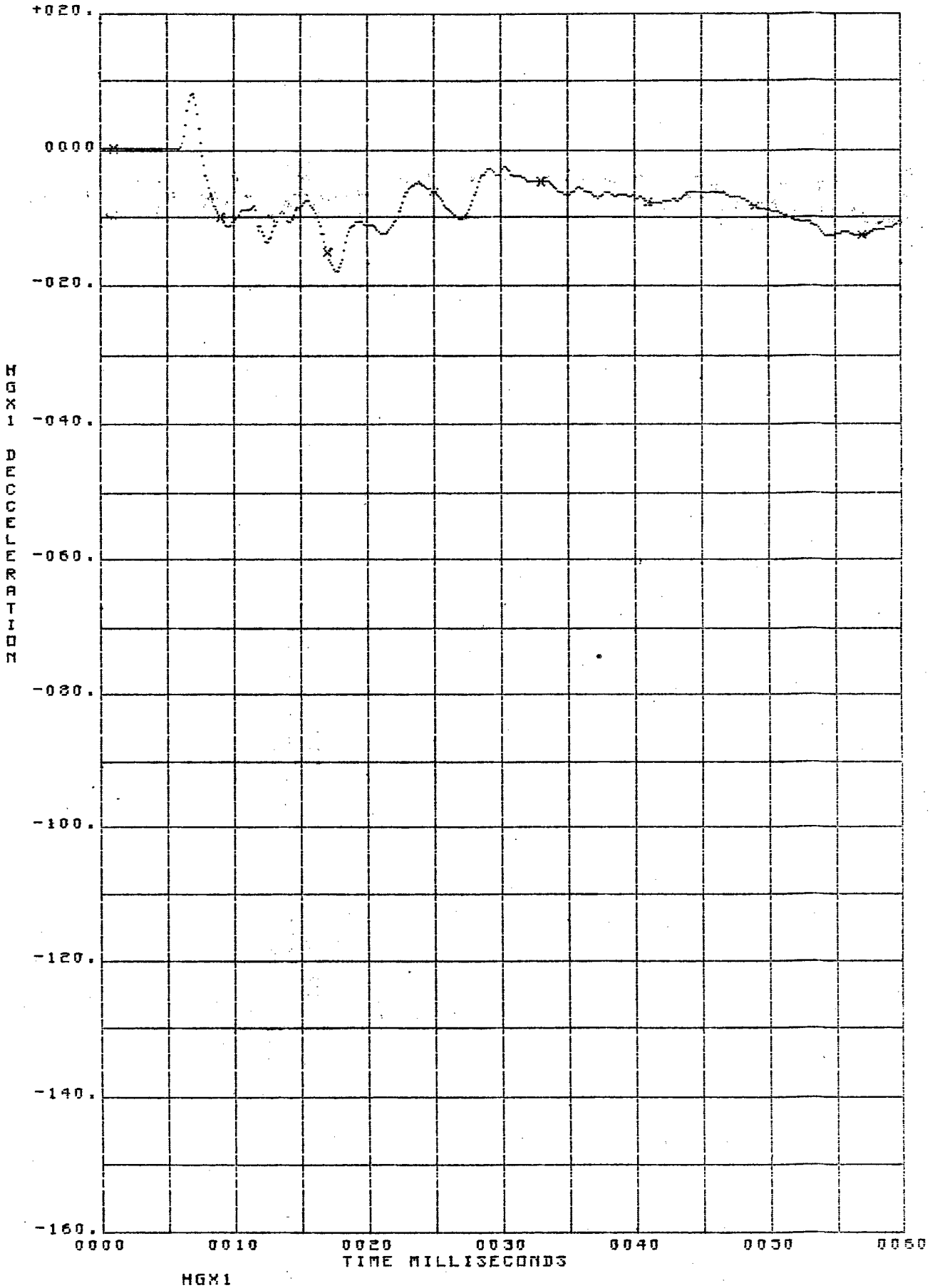
Release hole # 9
" hgt. 84"
Head # 39
Hexcell Standard
Velocity 17.5 fps

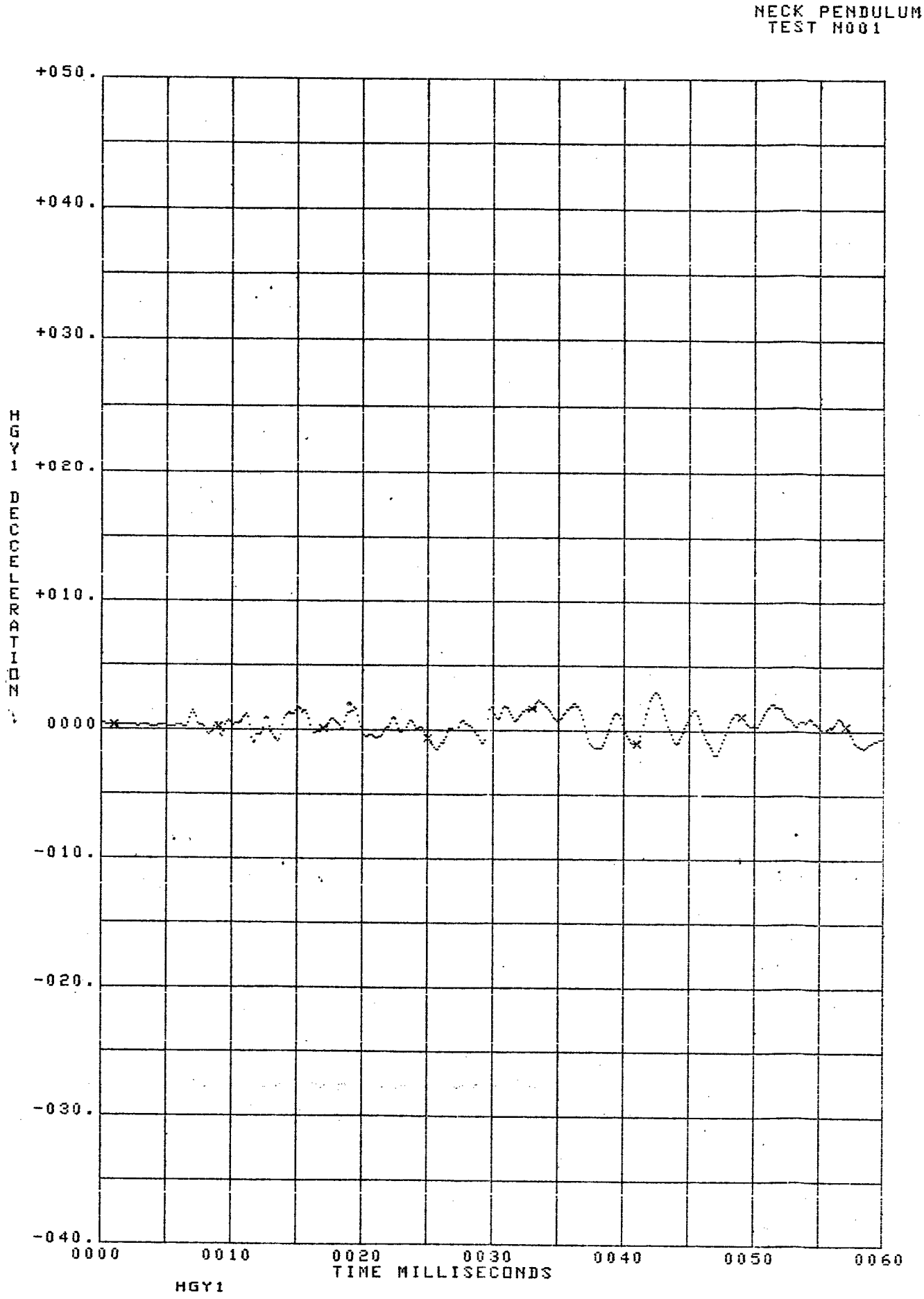
Results

Hexcell crushed to
Resultant 25.5 G
T2 - T1 1.625 m.s
T3 - T2 19.000 m.s.
T4 - T3 1.875 m.s.
Ave T3-T2 26.864 G.

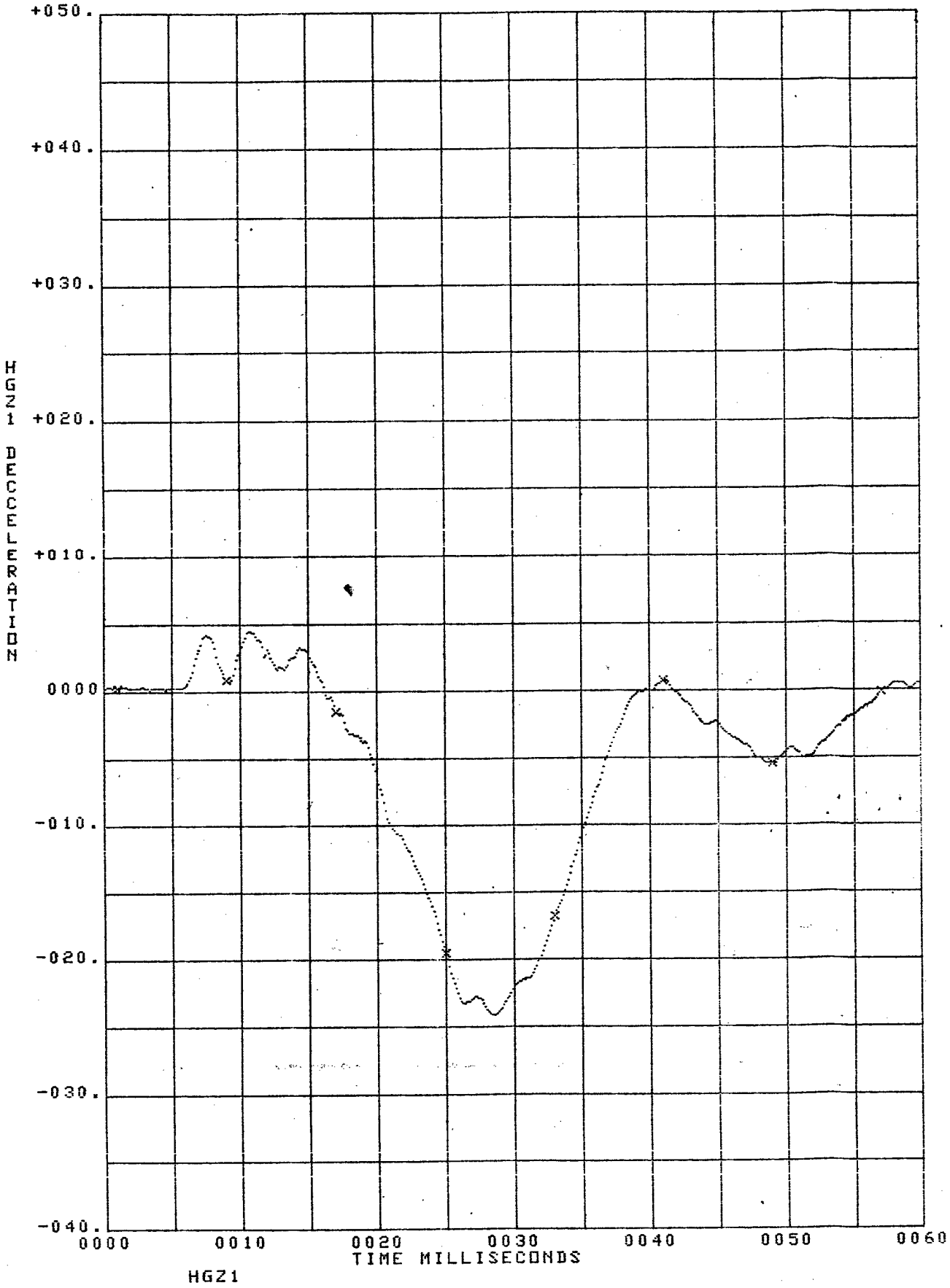
Rotation	Time	Disp
0°	0 ms	0 ins.
30°	21	2.02
60°	36	4.21
82.5°	63	5.76
60°	95	4.34
30°	115	1.90
0°	128	.13

NECK PENDULUM
TEST M001

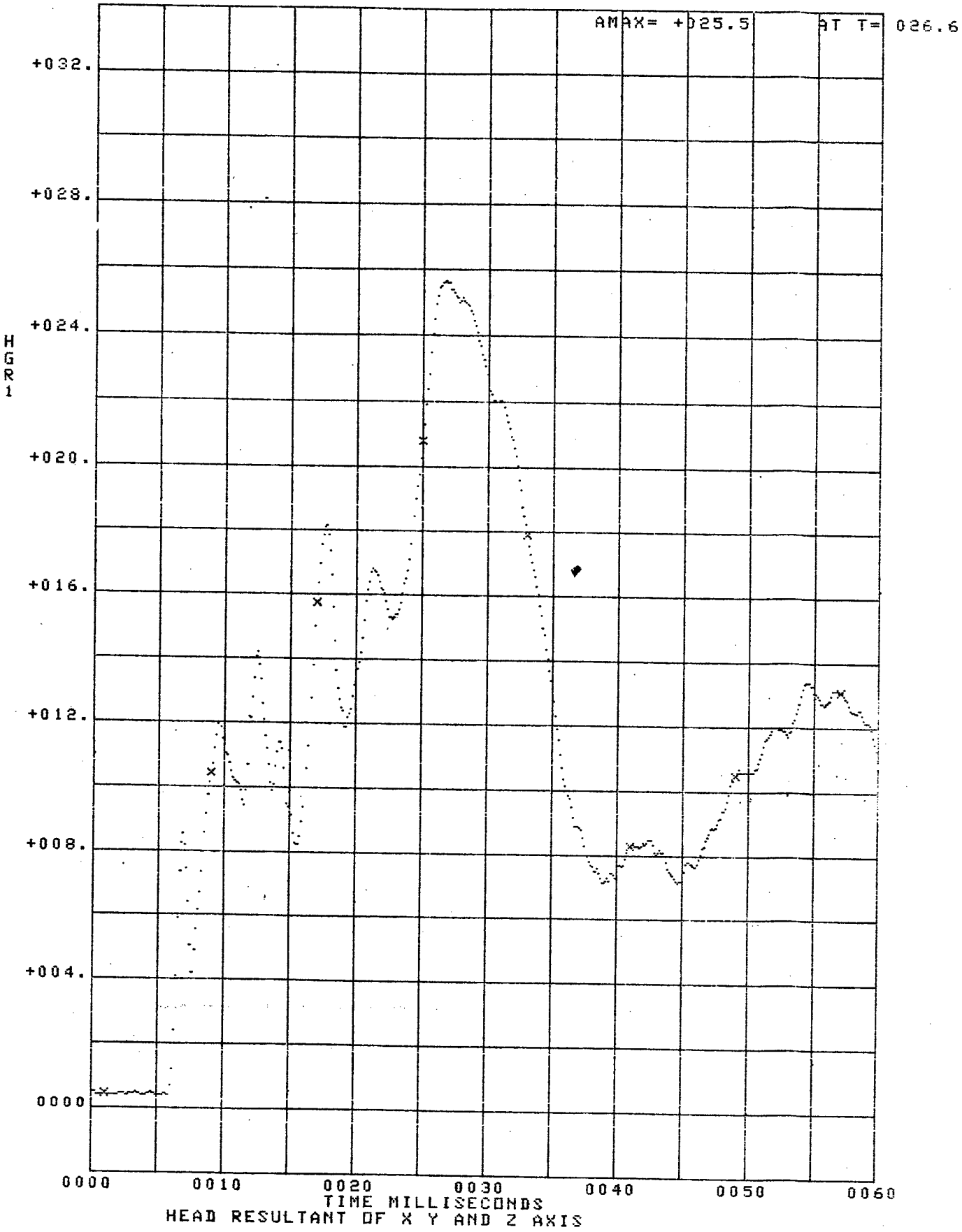



NECK PENDULUM
TEST N001
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGY1

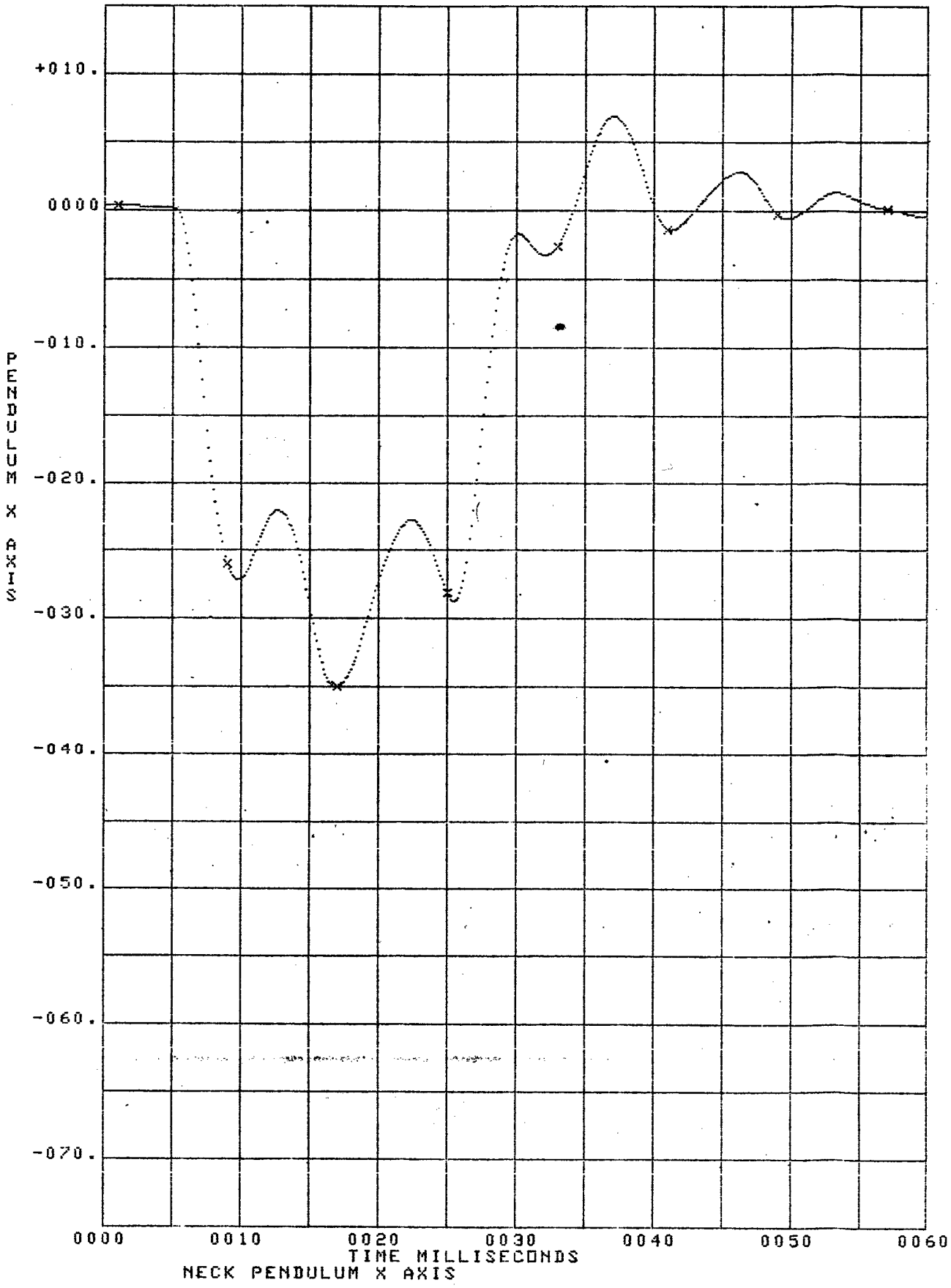
NECK PENDULUM
TEST N001



NECK PENDULUM
TEST N001



NECK PENDULUM
TEST N001



VARIABLE PAX1 N001

TIME					
0.0000	+000.2	+000.2	+000.2	+000.2	+000.1
0.6250	+000.2	+000.1	+000.1	+000.1	+000.1
1.2500	+000.1	+000.1	+000.1	+000.1	+000.1
1.8750	+000.1	+000.1	+000.1	+000.1	+000.1
2.5000	+000.0	+000.0	+000.0	+000.0	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	+000.0	+000.0
5.0000	-000.0	-000.0	-000.2	-000.3	-000.7
5.6250	-001.2	-001.8	-002.5	-003.4	-004.2
6.2500	-005.3	-006.4	-007.5	-008.7	-010.0
6.8750	-011.2	-012.5	-013.8	-015.1	-016.2
7.5000	-017.5	-018.5	-019.6	-020.6	-021.5
8.1250	-022.4	-023.2	-023.9	-024.5	-025.2
8.7500	-025.6	-026.1	-026.5	-026.7	-027.0
9.3750	-027.1	-027.2	-027.3	-027.3	-027.2
10.0000	-027.1	-026.9	-026.7	-026.5	-026.2
10.6250	-025.8	-025.5	-025.2	-024.8	-024.5
11.2500	-024.2	-023.9	-023.6	-023.3	-023.0
11.8750	-022.7	-022.5	-022.4	-022.3	-022.2
12.5000	-022.2	-022.2	-022.2	-022.3	-022.3
13.1250	-022.5	-022.8	-023.1	-023.3	-023.6
13.7500	-024.0	-024.5	-025.0	-025.5	-026.0
14.3750	-026.7	-027.3	-028.0	-028.6	-029.2
15.0000	-029.9	-030.5	-031.2	-031.7	-032.4
15.6250	-032.8	-033.4	-033.8	-034.2	-034.4
16.2500	-034.7	-034.9	-035.0	-035.0	-035.0
16.8750	-035.0	-035.0	-035.0	-034.9	-034.7
17.5000	-034.5	-034.3	-034.1	-033.8	-033.5
18.1250	-033.2	-032.9	-032.5	-032.1	-031.6
18.7500	-031.2	-030.8	-030.3	-029.9	-029.4
19.3750	-029.0	-028.6	-028.1	-027.7	-027.3
20.0000	-026.9	-026.6	-026.2	-025.9	-025.6
20.6250	-025.2	-025.0	-024.7	-024.4	-024.1
21.2500	-023.8	-023.6	-023.4	-023.2	-023.1
21.8750	-023.0	-022.9	-022.8	-022.8	-022.8
22.5000	-022.9	-023.0	-023.1	-023.3	-023.4
23.1250	-023.7	-023.9	-024.2	-024.5	-024.8
23.7500	-025.2	-025.5	-025.9	-026.3	-026.6
24.3750	-026.9	-027.3	-027.7	-028.0	-028.3
25.0000	-028.5	-028.7	-028.8	-028.8	-028.8
25.6250	-028.6	-028.3	-027.8	-027.4	-026.7
26.2500	-026.0	-025.2	-024.2	-023.2	-022.1
26.8750	-021.0	-019.8	-018.6	-017.4	-016.2
27.5000	-015.0	-013.8	-012.6	-011.5	-010.4
28.1250	-009.3	-008.4	-007.5	-006.6	-005.8
28.7500	-005.1	-004.5	-003.9	-003.4	-002.9
29.3750	-002.6	-002.3	-002.1	-002.0	-001.9
30.0000	-001.8	-001.9	-002.0	-002.0	-002.1
30.6250	-002.3	-002.5	-002.6	-002.8	-002.9
31.2500	-003.1	-003.2	-003.3	-003.4	-003.4
31.8750	-003.4	-003.5	-003.4	-003.4	-003.3
32.5000	-003.2	-003.1	-002.9	-002.8	-002.5
33.1250	-002.3	-002.1	-001.8	-001.5	-001.2
33.7500	-000.8	-000.5	-000.1	+000.2	+000.5
34.3750	+001.0	+001.4	+001.8	+002.2	+002.6
35.0000	+003.0	+003.4	+003.8	+004.1	+004.5
35.6250	+004.9	+005.2	+005.5	+005.7	+006.0
36.2500	+006.1	+006.3	+006.5	+006.5	+006.6
36.8750	+006.6	+006.6	+006.6	+006.5	+006.4

VARIABLE	PAX1	N001				
37.5000		+006.3	+006.1	+006.0	+005.7	+005.5
38.1250		+005.2	+004.9	+004.6	+004.3	+003.9
38.7500		+003.5	+003.2	+002.7	+002.3	+001.9
39.3750		+001.5	+001.1	+000.7	+000.3	+000.0
40.0000		-000.2	-000.5	-000.8	-001.0	-001.2
40.6250		-001.3	-001.5	-001.5	-001.6	-001.7
41.2500		-001.6	-001.5	-001.5	-001.4	-001.4
41.8750		-001.2	-001.1	-001.0	-000.8	-000.7
42.5000		-000.5	-000.4	-000.2	-000.1	-000.0
43.1250		+000.1	+000.3	+000.4	+000.5	+000.7
43.7500		+000.8	+001.0	+001.1	+001.3	+001.4
44.3750		+001.5	+001.6	+001.8	+001.9	+002.0
45.0000		+002.1	+002.2	+002.2	+002.3	+002.4
45.6250		+002.4	+002.5	+002.5	+002.5	+002.5
46.2500		+002.5	+002.5	+002.5	+002.4	+002.4
46.8750		+002.2	+002.1	+002.0	+001.9	+001.7
47.5000		+001.5	+001.3	+001.1	+000.9	+000.7
48.1250		+000.5	+000.3	+000.1	-000.0	-000.2
48.7500		-000.3	-000.4	-000.5	-000.6	-000.7
49.3750		-000.7	-000.7	-000.7	-000.7	-000.7
50.0000		-000.7	-000.5	-000.5	-000.4	-000.3
50.6250		-000.3	-000.2	-000.1	-000.0	+000.0
51.2500		+000.1	+000.2	+000.3	+000.4	+000.5
51.8750		+000.6	+000.7	+000.7	+000.8	+000.9
52.5000		+001.0	+001.0	+001.0	+001.1	+001.1
53.1250		+001.1	+001.1	+001.1	+001.0	+001.0
53.7500		+001.0	+000.9	+000.8	+000.8	+000.8
54.3750		+000.7	+000.7	+000.6	+000.5	+000.5
55.0000		+000.4	+000.3	+000.3	+000.3	+000.2
55.6250		+000.2	+000.2	+000.1	+000.0	+000.0
56.2500		+000.0	+000.0	+000.0	-000.0	-000.0
56.8750		-000.0	-000.0	-000.0	-000.1	-000.1
57.5000		-000.2	-000.2	-000.2	-000.2	-000.3
58.1250		-000.3	-000.3	-000.4	-000.4	-000.5
58.7500		-000.5	-000.5	-000.5	-000.5	-000.5
59.3750		-000.6	-000.5	-000.5	-000.5	+313.4

3 yr. old neck pendulum

Test # N003

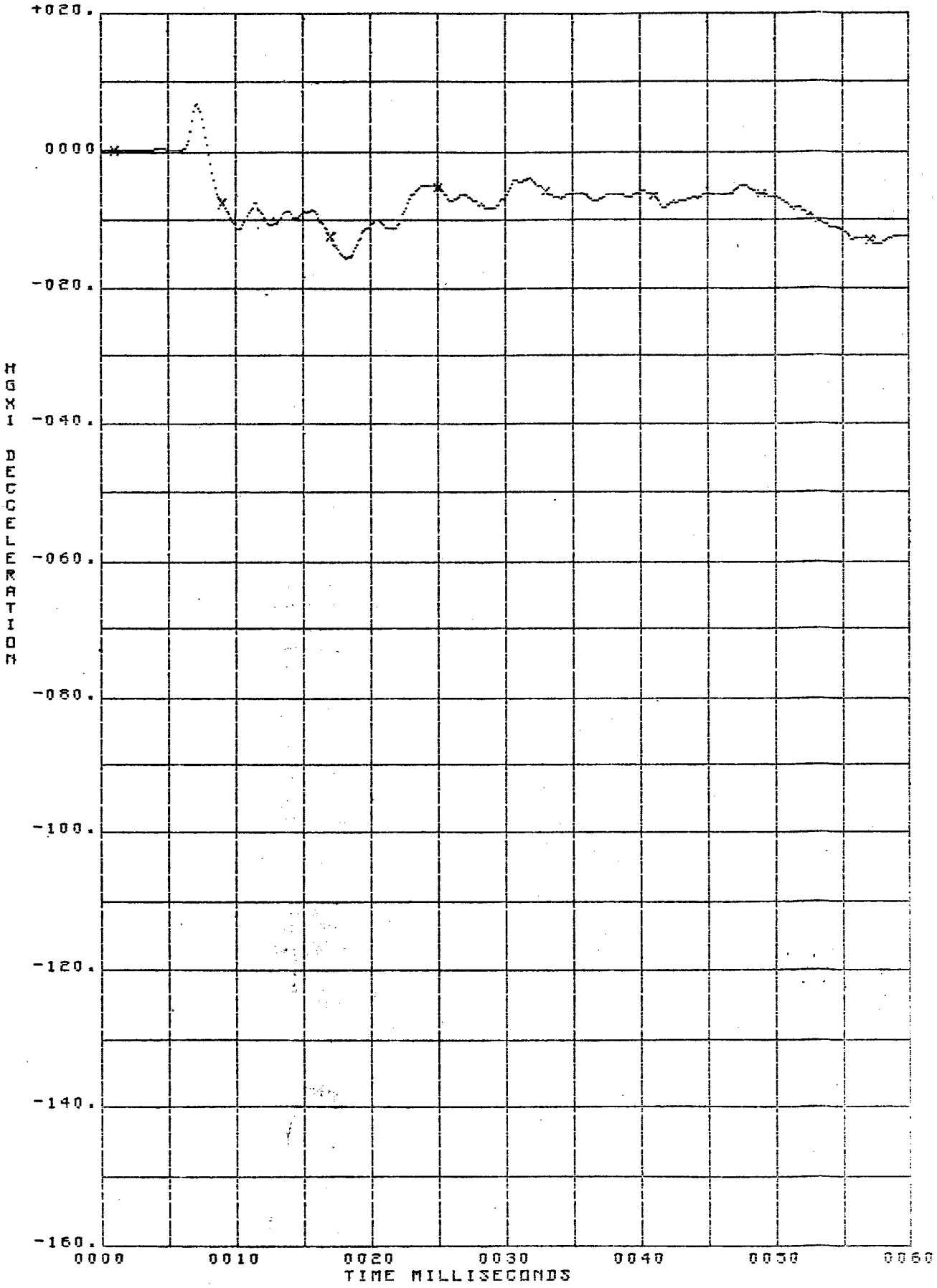
Release hole # 9
" hgt. 84"
Head # 39
Hexcell Standard
Velocity 17.5 fps

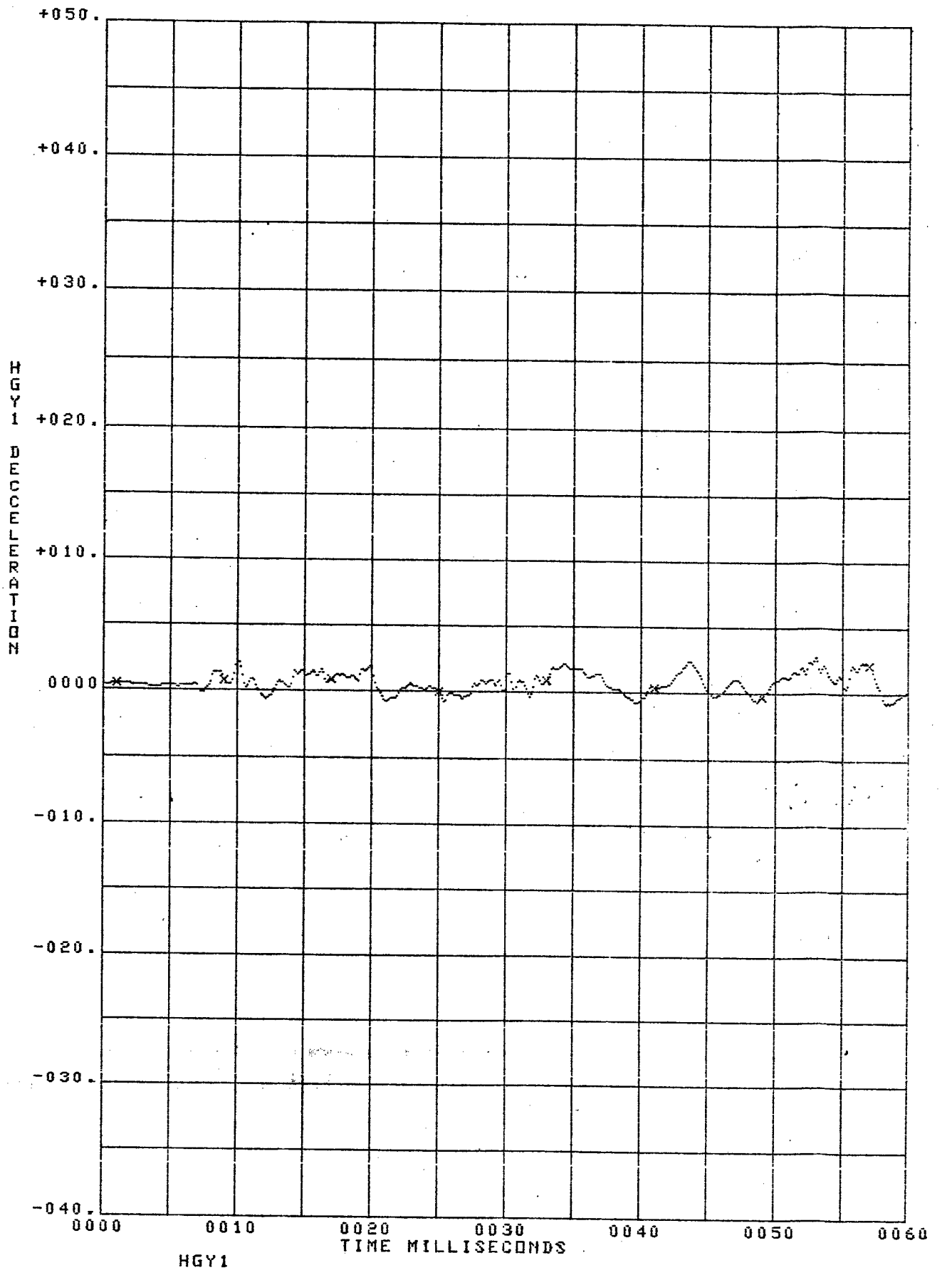
Results

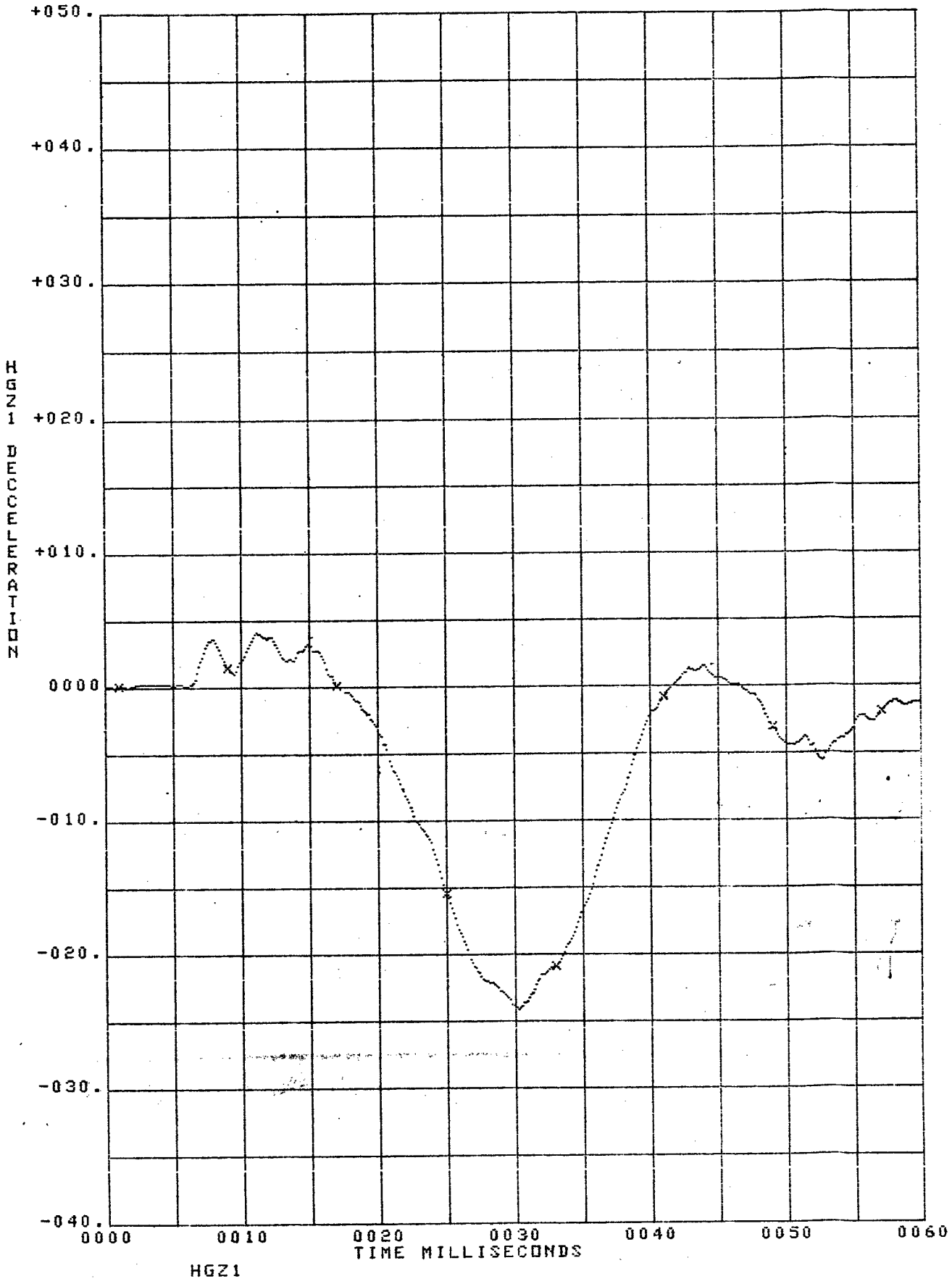
Hexcell crushed to
Resultant 25.200 G
T2 - T1 1.625 m. s.
T3 - T2 20.125 m. s.
T4 - T3 3.875 m s.
Ave T3-T2 24.747 G.

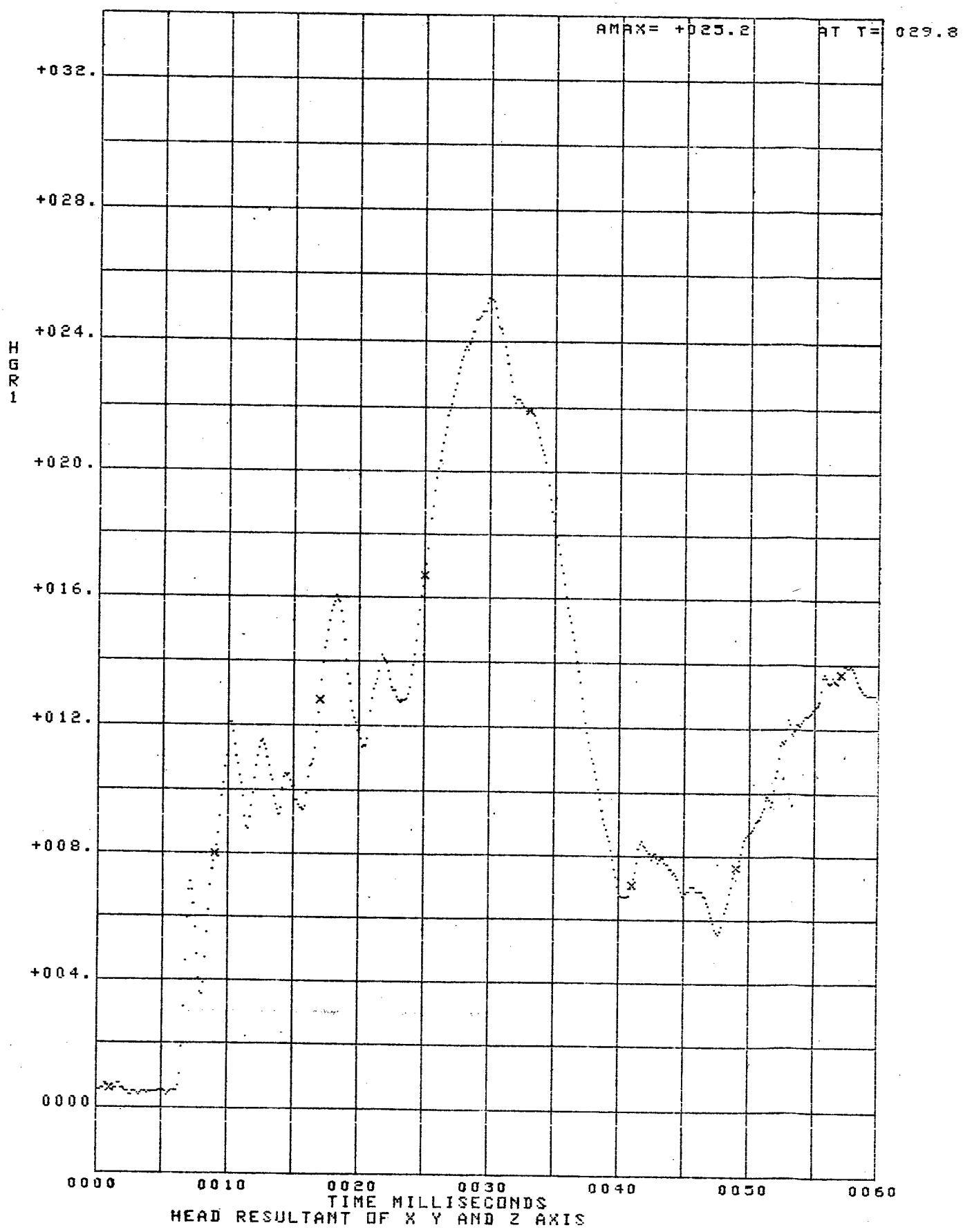
Rotation	Time	Disp
0°	0ms	0 ins
30°	22	2.08
60°	37	4.34
85°	65	5.71
60°	92	4.23
30°	111	1.84
0°	124	.08

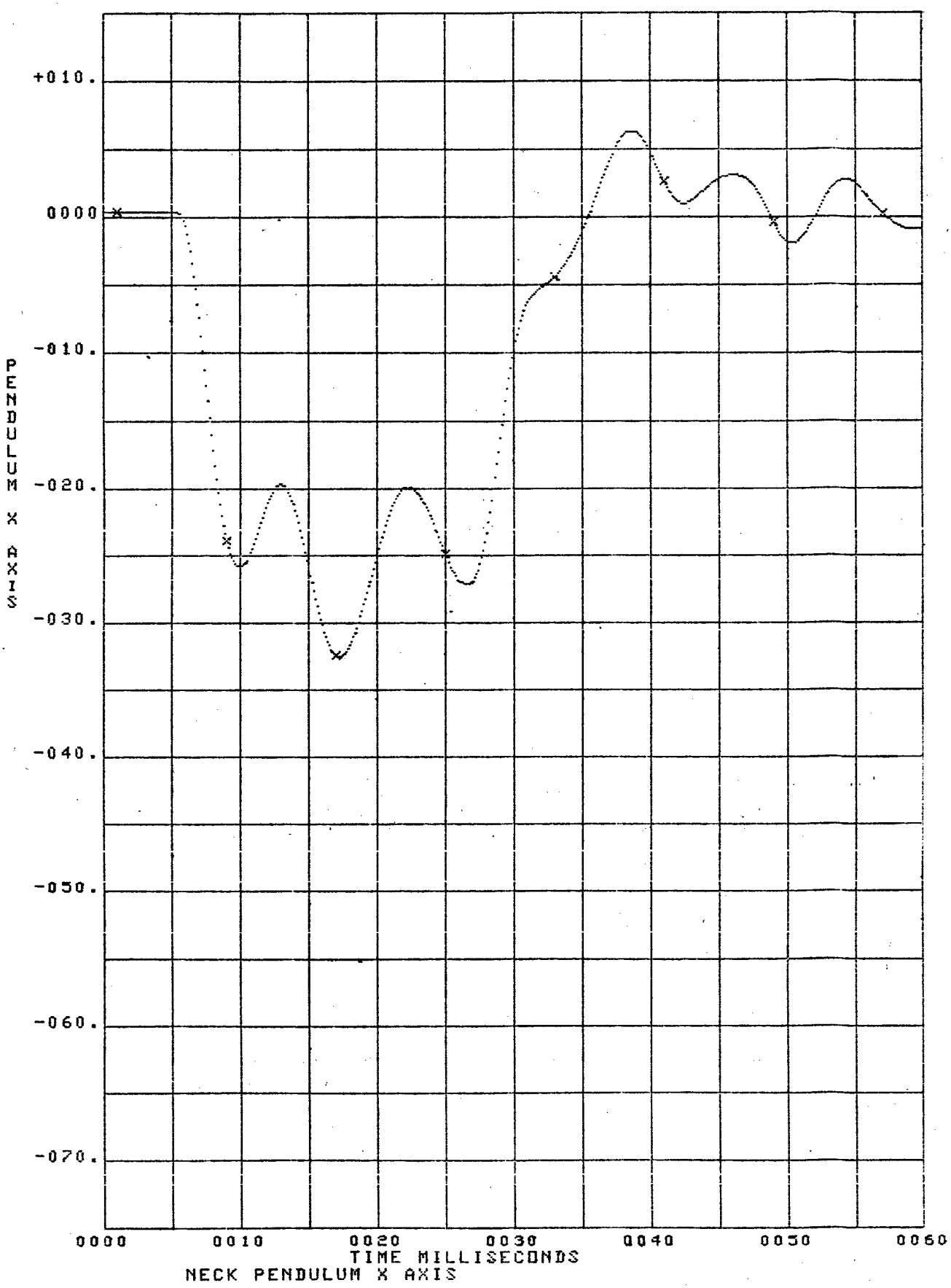
NECK PENDULUM
TEST M003




NECK PENDULUM
TEST N003
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGY1


NECK PENDULUM
TEST N003
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGZ1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGZ1


NECK PENDULUM
TEST N003
AMAX= +025.2
AT T= 029.8
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR1
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS


NECK PENDULUM
TEST N003
+010.
0000
-010.
-020.
-030.
-040.
-050.
-060.
-070.
PENDULUM X AXIS
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
NECK PENDULUM X AXIS

VARIABLE PAX1 N003

TIME					
0.0000	+000.1	+000.1	+000.1	+000.1	+000.1
0.6250	+000.1	+000.1	+000.1	+000.1	+000.1
1.2500	+000.1	+000.1	+000.1	+000.1	+000.1
1.8750	+000.1	+000.1	+000.1	+000.1	+000.1
2.5000	+000.1	+000.1	+000.1	+000.1	+000.1
3.1250	+000.1	+000.1	+000.1	+000.1	+000.1
3.7500	+000.1	+000.1	+000.1	+000.1	+000.1
4.3750	+000.1	+000.1	+000.1	+000.1	+000.1
5.0000	+000.1	+000.1	+000.1	+000.0	+000.0
5.6250	-000.1	-000.4	-000.9	-001.4	-002.1
6.2500	-002.7	-003.5	-004.4	-005.4	-006.5
6.8750	-007.5	-008.8	-010.1	-011.3	-012.5
7.5000	-013.7	-014.9	-016.1	-017.3	-018.4
8.1250	-019.4	-020.3	-021.3	-022.1	-022.9
8.7500	-023.4	-024.0	-024.5	-024.9	-025.2
9.3750	-025.5	-025.7	-025.9	-025.9	-025.9
10.0000	-025.8	-025.7	-025.6	-025.4	-025.1
10.6250	-024.8	-024.6	-024.2	-023.8	-023.4
11.2500	-023.0	-022.6	-022.3	-021.9	-021.5
11.8750	-021.1	-020.8	-020.5	-020.3	-020.1
12.5000	-019.9	-019.8	-019.8	-019.7	-019.8
13.1250	-019.9	-020.1	-020.4	-020.6	-021.0
13.7500	-021.3	-021.7	-022.1	-022.6	-023.1
14.3750	-023.7	-024.3	-024.9	-025.4	-026.0
15.0000	-026.5	-027.1	-027.8	-028.3	-028.8
15.6250	-029.3	-029.8	-030.3	-030.7	-031.0
16.2500	-031.4	-031.7	-032.0	-032.1	-032.3
16.8750	-032.5	-032.6	-032.6	-032.5	-032.4
17.5000	-032.3	-032.1	-032.0	-031.7	-031.4
18.1250	-031.1	-030.8	-030.4	-030.0	-029.6
18.7500	-029.2	-028.7	-028.3	-027.8	-027.4
19.3750	-027.0	-026.5	-026.0	-025.6	-025.1
20.0000	-024.6	-024.2	-023.7	-023.3	-022.9
20.6250	-022.4	-022.1	-021.8	-021.4	-021.1
21.2500	-020.8	-020.6	-020.4	-020.2	-020.1
21.8750	-020.0	-020.0	-020.1	-020.0	-020.0
22.5000	-020.1	-020.2	-020.4	-020.5	-020.6
23.1250	-020.8	-021.0	-021.3	-021.5	-021.8
23.7500	-022.1	-022.4	-022.7	-023.1	-023.4
24.3750	-023.7	-024.0	-024.4	-024.7	-025.0
25.0000	-025.2	-025.6	-025.9	-026.2	-026.3
25.6250	-026.6	-026.8	-027.0	-027.1	-027.1
26.2500	-027.2	-027.3	-027.3	-027.2	-027.1
26.8750	-026.9	-026.7	-026.5	-026.2	-025.7
27.5000	-025.2	-024.7	-024.1	-023.4	-022.6
28.1250	-021.8	-021.0	-020.1	-019.2	-018.2
28.7500	-017.3	-016.4	-015.4	-014.6	-013.7
29.3750	-012.8	-012.0	-011.3	-010.5	-009.9
30.0000	-009.3	-008.7	-008.2	-007.7	-007.4
30.6250	-007.0	-006.7	-006.5	-006.2	-006.0
31.2500	-005.8	-005.7	-005.6	-005.5	-005.4
31.8750	-005.3	-005.2	-005.1	-005.0	-005.0
32.5000	-004.9	-004.8	-004.7	-004.6	-004.4
33.1250	-004.3	-004.1	-003.9	-003.8	-003.6
33.7500	-003.4	-003.2	-003.0	-002.8	-002.5
34.3750	-002.3	-002.1	-001.8	-001.6	-001.3
35.0000	-001.0	-000.7	-000.4	-000.1	+000.1
35.6250	+000.4	+000.8	+001.2	+001.5	+001.8
36.2500	+002.1	+002.5	+002.8	+003.2	+003.5
36.8750	+003.8	+004.1	+004.3	+004.6	+004.9

VARIABLE PAX1	N003				
37.5000	+005.1	+005.3	+005.5	+005.6	+005.8
38.1250	+005.9	+005.9	+006.0	+006.0	+006.0
38.7500	+005.9	+005.9	+005.8	+005.7	+005.5
39.3750	+005.3	+005.1	+004.9	+004.7	+004.4
40.0000	+004.2	+003.9	+003.6	+003.3	+003.1
40.6250	+002.8	+002.5	+002.3	+002.0	+001.8
41.2500	+001.6	+001.4	+001.2	+001.1	+000.9
41.8750	+000.9	+000.8	+000.7	+000.7	+000.7
42.5000	+000.7	+000.8	+000.9	+000.9	+001.0
43.1250	+001.1	+001.2	+001.3	+001.4	+001.5
43.7500	+001.6	+001.7	+001.8	+002.0	+002.1
44.3750	+002.1	+002.3	+002.3	+002.4	+002.5
45.0000	+002.6	+002.6	+002.7	+002.7	+002.8
45.6250	+002.8	+002.8	+002.8	+002.8	+002.8
46.2500	+002.8	+002.8	+002.8	+002.7	+002.6
46.8750	+002.5	+002.5	+002.3	+002.1	+002.0
47.5000	+001.9	+001.7	+001.5	+001.3	+001.1
48.1250	+000.8	+000.6	+000.3	+000.1	-000.1
48.7500	-000.3	-000.6	-000.9	-001.1	-001.3
49.3750	-001.5	-001.6	-001.8	-001.9	-002.0
50.0000	-002.1	-002.1	-002.1	-002.1	-002.0
50.6250	-001.9	-001.8	-001.7	-001.6	-001.4
51.2500	-001.3	-001.1	-000.9	-000.7	-000.4
51.8750	-000.3	-000.0	+000.1	+000.3	+000.6
52.5000	+000.8	+001.0	+001.3	+001.5	+001.7
53.1250	+001.8	+002.0	+002.1	+002.1	+002.0
53.7500	+002.3	+002.4	+002.5	+002.5	+002.5
54.3750	+002.5	+002.4	+002.3	+002.3	+002.1
55.0000	+002.0	+001.9	+001.8	+001.6	+001.5
55.6250	+001.3	+001.2	+001.0	+000.9	+000.7
56.2500	+000.6	+000.4	+000.3	+000.2	+000.1
56.8750	+000.0	-000.1	-000.2	-000.3	-000.4
57.5000	-000.5	-000.6	-000.7	-000.7	-000.8
58.1250	-000.9	-000.9	-001.0	-001.0	-001.0
58.7500	-001.1	-001.1	-001.1	-001.1	-001.1
59.3750	-001.1	-001.1	-001.0	-001.0	+000.0

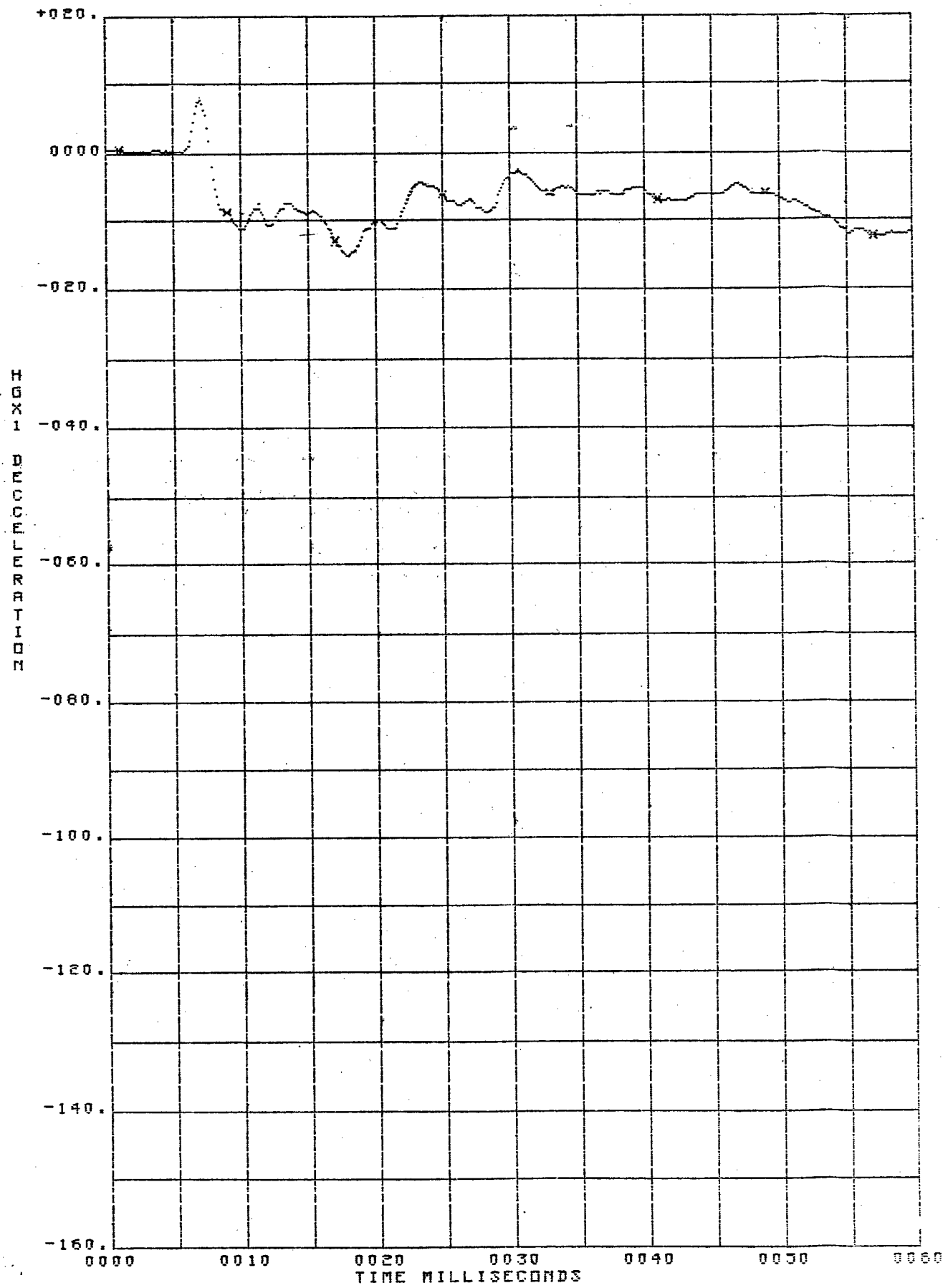
3 YR. OLD NECK PENDULUM

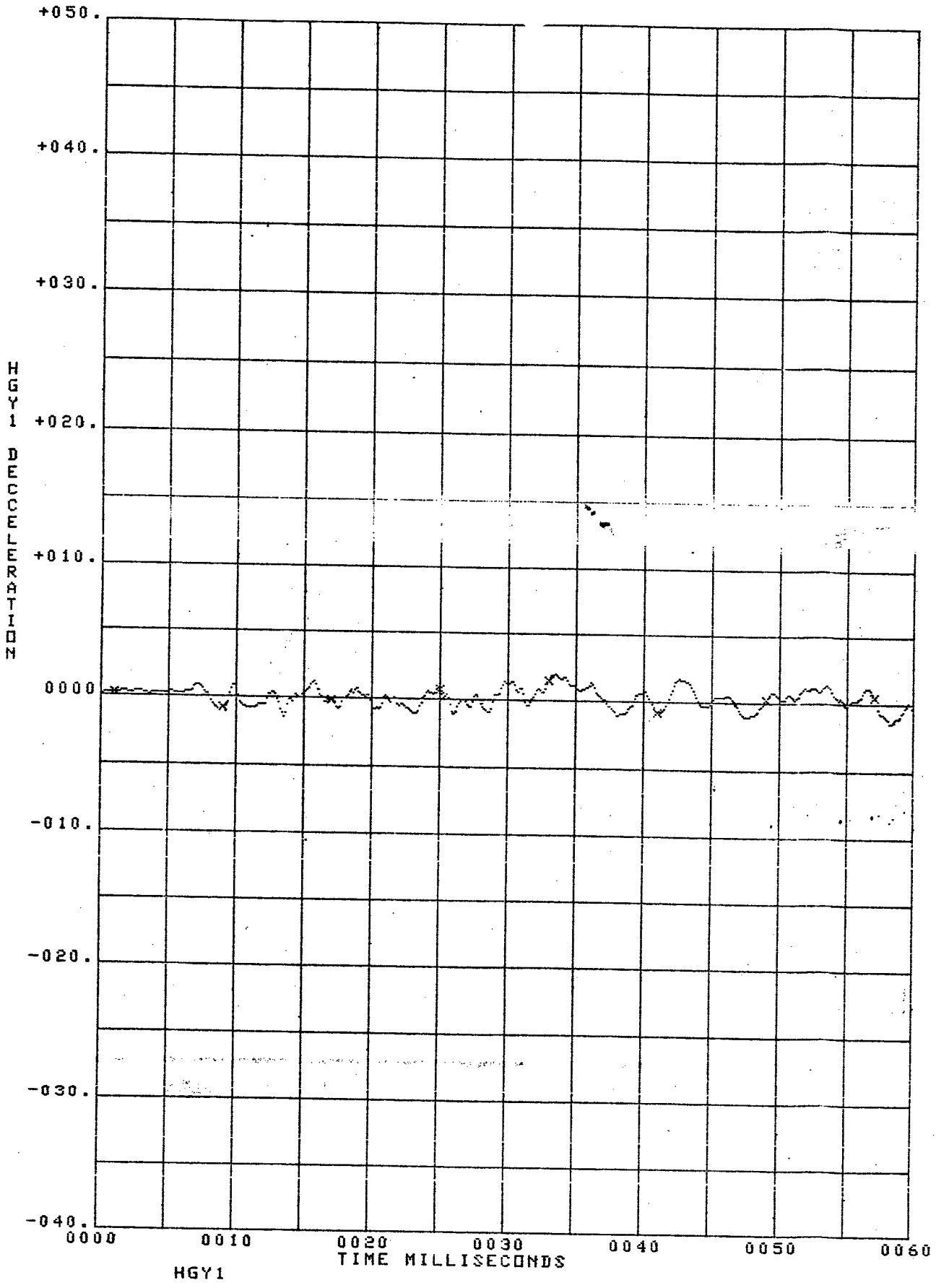
TEST # N005
RELEASE hole # 9
" hgt. 84"
HEAD # 39
HEXCELL standard

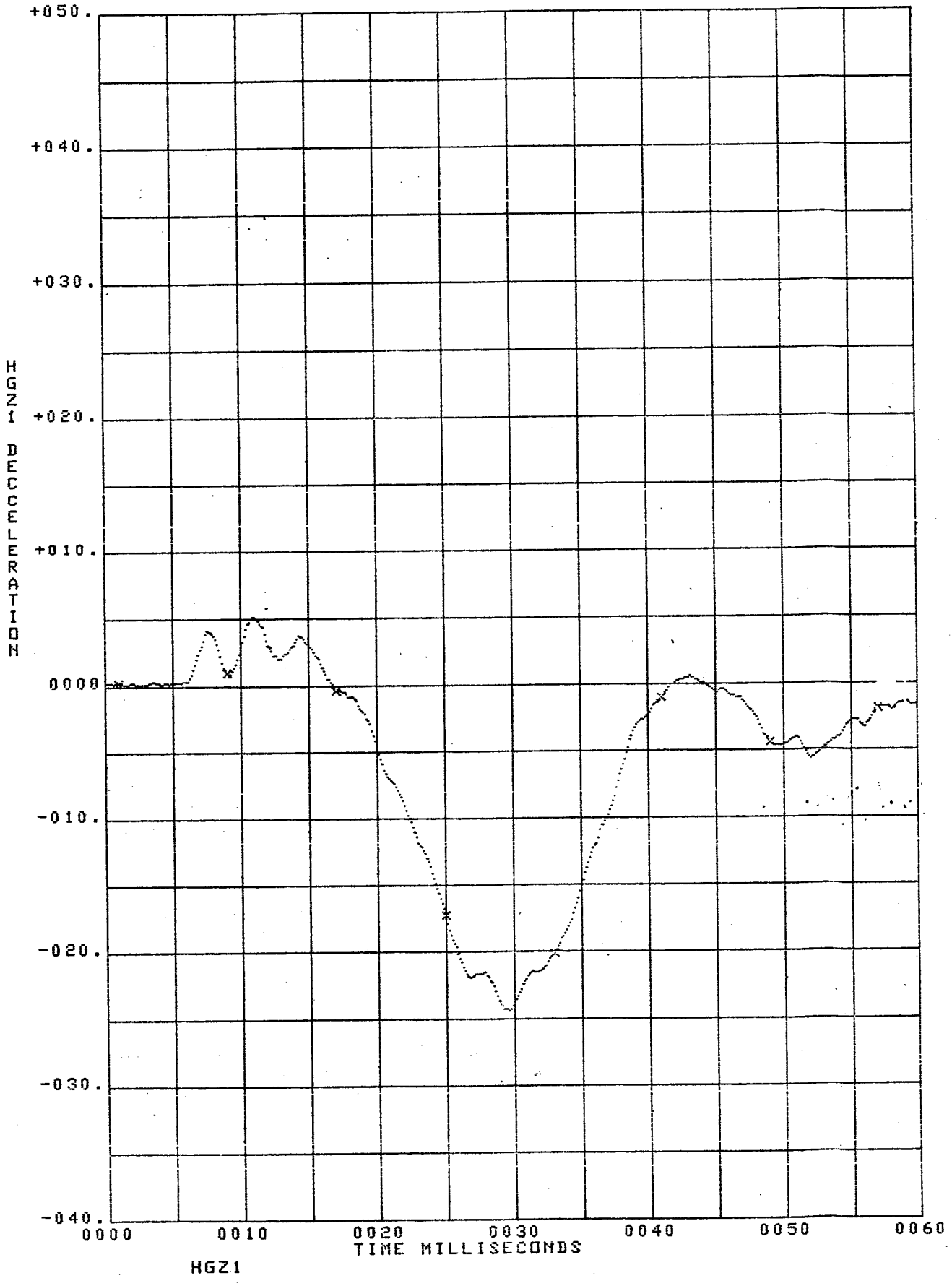
RESULTS
HEXCELL crushed to
RESULTANT 25.3 G
T2 - T1 1.625 m.s.
T3 - T2 19.625 m.s.
T4 - T3 3.625 m.s.
AVE T3-T2 25.259 G.

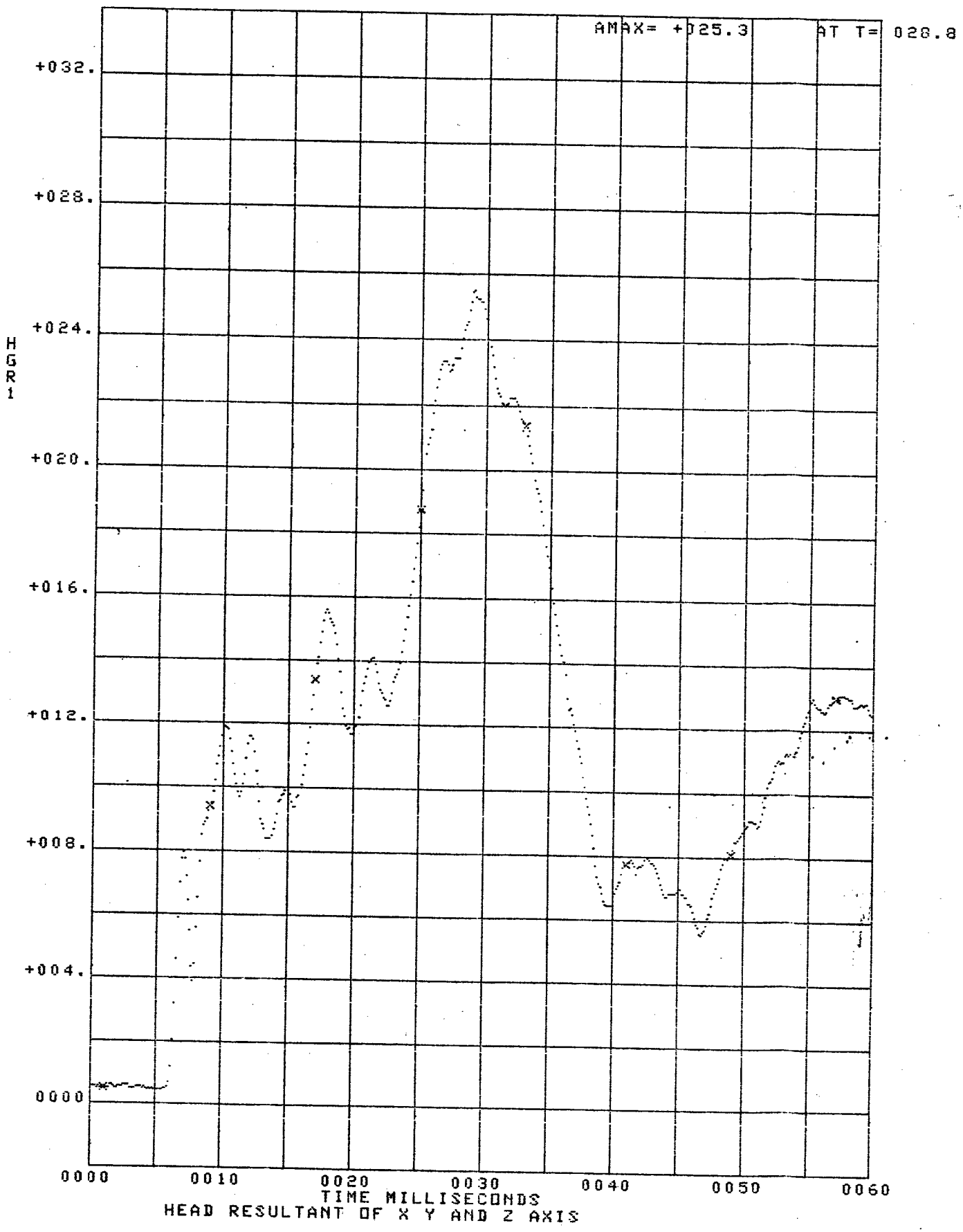
Rotation	Time	Disp
0°	0ms	0ins.
30°	22	2.32
60°	36	4.50
88½°	64	5.95
60°	95	4.35
30°	112	2.40
0°	128	.14

NECK PENDULUM
TEST N005

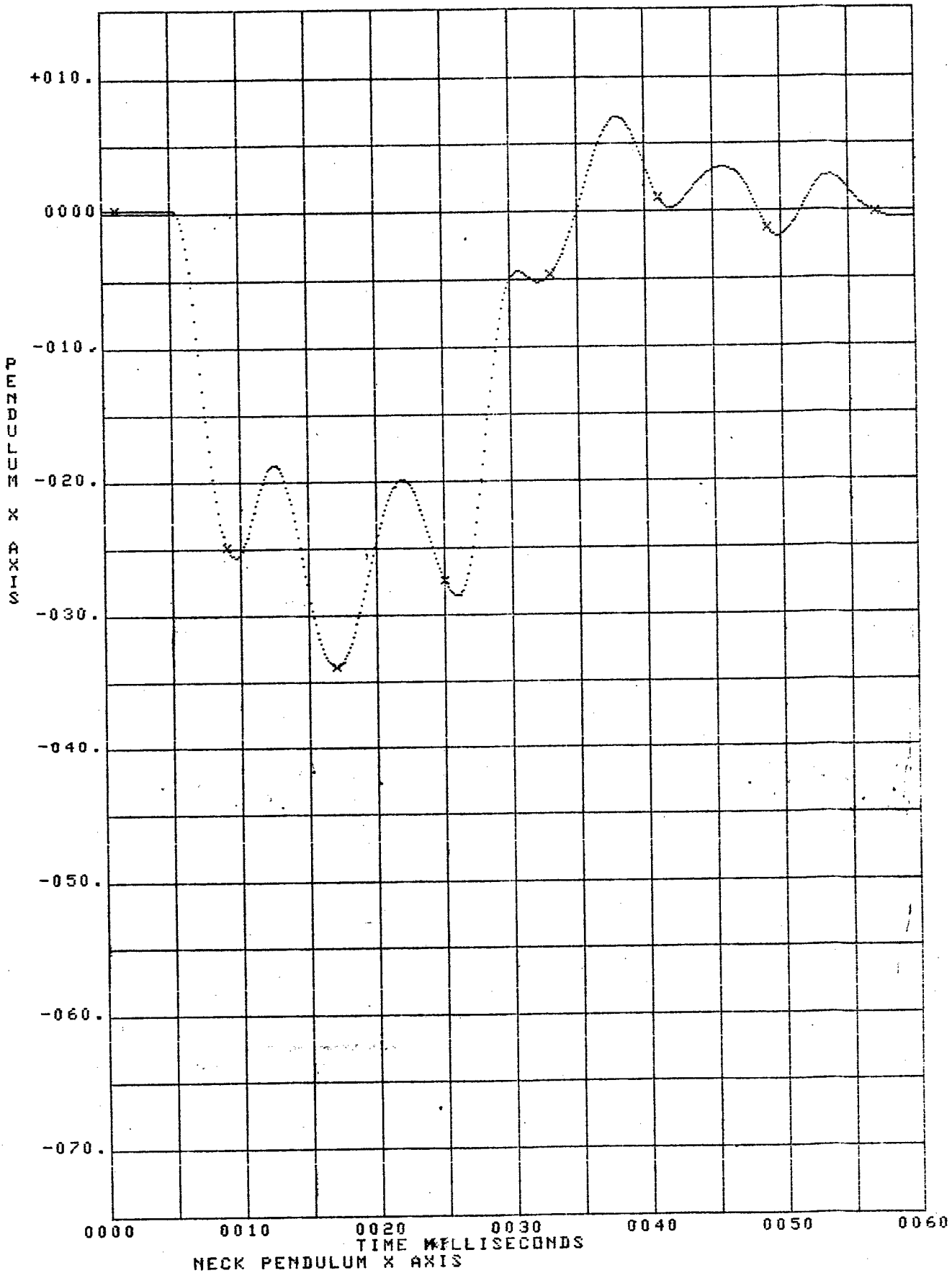



NECK PENDULUM
TEST N005
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGY1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGY1


NECK PENDULUM
TEST N005
+050.
+040.
+030.
+020.
+010.
0000
-010.
-020.
-030.
-040.
HGZ1 DECCELERATION
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HGZ1


NECK PENDULUM
TEST N005
AMAX= +025.3
AT T= 028.8
+032.
+028.
+024.
+020.
+016.
+012.
+008.
+004.
0000
HGR1
0000
0010
0020
0030
0040
0050
0060
TIME MILLISECONDS
HEAD RESULTANT OF X Y AND Z AXIS

NECK PENDULUM
TEST N005



VARIABLE PAX1 N005

TIME					
0.0000	+000.0	+000.0	+000.0	+000.0	+000.0
0.6250	+000.0	+000.0	+000.0	+000.0	+000.0
1.2500	+000.0	+000.0	+000.0	+000.0	+000.0
1.8750	+000.0	+000.0	+000.0	+000.0	+000.0
2.5000	+000.0	+000.0	+000.0	+000.0	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	+000.0	+000.0
5.0000	+000.0	+000.0	-000.0	-000.2	-000.4
5.6250	-000.8	-001.3	-001.9	-002.6	-003.5
6.2500	-004.5	-005.6	-006.8	-008.1	-009.3
6.8750	-010.6	-011.9	-013.2	-014.4	-015.6
7.5000	-016.7	-017.8	-018.9	-019.8	-020.7
8.1250	-021.6	-022.3	-023.1	-023.7	-024.2
8.7500	-024.6	-025.0	-025.3	-025.5	-025.6
9.3750	-025.6	-025.7	-025.8	-025.6	-025.4
10.0000	-025.2	-024.9	-024.7	-024.2	-023.8
10.6250	-023.4	-022.9	-022.4	-021.9	-021.5
11.2500	-021.0	-020.6	-020.2	-019.9	-019.6
11.8750	-019.3	-019.1	-019.0	-018.9	-018.9
12.5000	-018.9	-019.0	-019.2	-019.4	-019.6
13.1250	-020.0	-020.5	-020.9	-021.4	-021.8
13.7500	-022.3	-023.0	-023.6	-024.3	-025.0
14.3750	-025.7	-026.4	-027.1	-027.8	-028.5
15.0000	-029.1	-029.7	-030.3	-030.8	-031.3
15.6250	-031.8	-032.2	-032.5	-032.9	-033.2
16.2500	-033.5	-033.6	-033.8	-033.8	-033.9
16.8750	-033.9	-033.9	-033.9	-033.8	-033.6
17.5000	-033.3	-033.1	-032.8	-032.5	-032.2
18.1250	-031.7	-031.3	-030.8	-030.3	-029.9
18.7500	-029.4	-028.8	-028.3	-027.7	-027.2
19.3750	-026.7	-026.1	-025.6	-025.0	-024.5
20.0000	-024.1	-023.6	-023.1	-022.7	-022.3
20.6250	-021.9	-021.5	-021.2	-020.9	-020.6
21.2500	-020.5	-020.3	-020.1	-020.0	-020.0
21.8750	-020.0	-020.0	-020.1	-020.3	-020.4
22.5000	-020.6	-020.9	-021.2	-021.5	-021.9
23.1250	-022.2	-022.7	-023.0	-023.4	-023.8
23.7500	-024.2	-024.6	-025.0	-025.5	-025.8
24.3750	-026.2	-026.6	-026.9	-027.2	-027.5
25.0000	-027.8	-028.0	-028.2	-028.4	-028.5
25.6250	-028.6	-028.6	-028.6	-028.6	-028.4
26.2500	-028.2	-027.9	-027.5	-027.0	-026.4
26.8750	-025.8	-025.0	-024.1	-023.1	-022.2
27.5000	-021.1	-020.0	-018.9	-017.8	-016.7
28.1250	-015.6	-014.5	-013.4	-012.4	-011.4
28.7500	-010.4	-009.5	-008.7	-008.0	-007.3
29.3750	-006.7	-006.2	-005.8	-005.4	-005.1
30.0000	-005.0	-004.8	-004.6	-004.6	-004.6
30.6250	-004.6	-004.6	-004.7	-004.8	-004.9
31.2500	-005.0	-005.1	-005.1	-005.3	-005.3
31.8750	-005.4	-005.4	-005.3	-005.3	-005.3
32.5000	-005.2	-005.1	-005.0	-004.8	-004.6
33.1250	-004.5	-004.3	-004.0	-003.8	-003.6
33.7500	-003.3	-002.9	-002.6	-002.3	-002.0
34.3750	-001.7	-001.3	-000.9	-000.5	-000.1
35.0000	+000.2	+000.7	+001.0	+001.4	+001.9
35.6250	+002.3	+002.7	+003.1	+003.5	+003.8
36.2500	+004.2	+004.6	+004.9	+005.2	+005.5
36.8750	+005.7	+006.0	+006.1	+006.3	+006.5

VARIABLE	PAX1	M005				
37.5000		+006.6	+006.7	+006.8	+006.8	+006.8
38.1250		+006.6	+006.6	+006.5	+006.3	+006.1
38.7500		+005.9	+005.7	+005.4	+005.1	+004.8
39.3750		+004.5	+004.1	+003.8	+003.5	+003.1
40.0000		+002.7	+002.4	+002.1	+001.8	+001.4
40.6250		+001.1	+001.0	+000.7	+000.5	+000.3
41.2500		+000.2	+000.1	+000.0	+000.0	+000.0
41.8750		+000.0	+000.0	+000.1	+000.2	+000.3
42.5000		+000.4	+000.5	+000.7	+000.8	+001.0
43.1250		+001.1	+001.3	+001.4	+001.6	+001.7
43.7500		+001.8	+002.0	+002.1	+002.2	+002.3
44.3750		+002.4	+002.5	+002.6	+002.7	+002.8
45.0000		+002.8	+002.8	+002.9	+003.0	+003.0
45.6250		+003.0	+003.0	+003.0	+002.9	+002.8
46.2500		+002.8	+002.7	+002.7	+002.5	+002.4
46.8750		+002.3	+002.1	+001.9	+001.8	+001.6
47.5000		+001.3	+001.1	+000.8	+000.5	+000.3
48.1250		+000.0	-000.2	-000.5	-000.7	-001.0
48.7500		-001.2	-001.4	-001.6	-001.8	-001.9
49.3750		-002.0	-002.0	-002.0	-002.0	-002.0
50.0000		-001.9	-001.8	-001.7	-001.6	-001.4
50.6250		-001.3	-001.1	-000.9	-000.8	-000.5
51.2500		-000.3	-000.1	+000.0	+000.2	+000.5
51.8750		+000.7	+000.9	+001.1	+001.3	+001.5
52.5000		+001.7	+001.8	+001.9	+002.1	+002.2
53.1250		+002.2	+002.2	+002.2	+002.3	+002.3
53.7500		+002.2	+002.2	+002.1	+002.1	+002.0
54.3750		+001.9	+001.8	+001.6	+001.4	+001.3
55.0000		+001.1	+001.0	+000.8	+000.7	+000.6
55.6250		+000.4	+000.3	+000.2	+000.1	+000.0
56.2500		+000.0	-000.0	-000.2	-000.2	-000.2
56.8750		-000.3	-000.4	-000.5	-000.5	-000.5
57.5000		-000.5	-000.6	-000.7	-000.7	-000.7
58.1250		-000.7	-000.7	-000.7	-000.7	-000.7
58.7500		-000.7	-000.7	-000.7	-000.7	-000.7
59.3750		-000.7	-000.7	-000.7	-000.7	+000.0

3 YR. OLD NECK PENDULUM

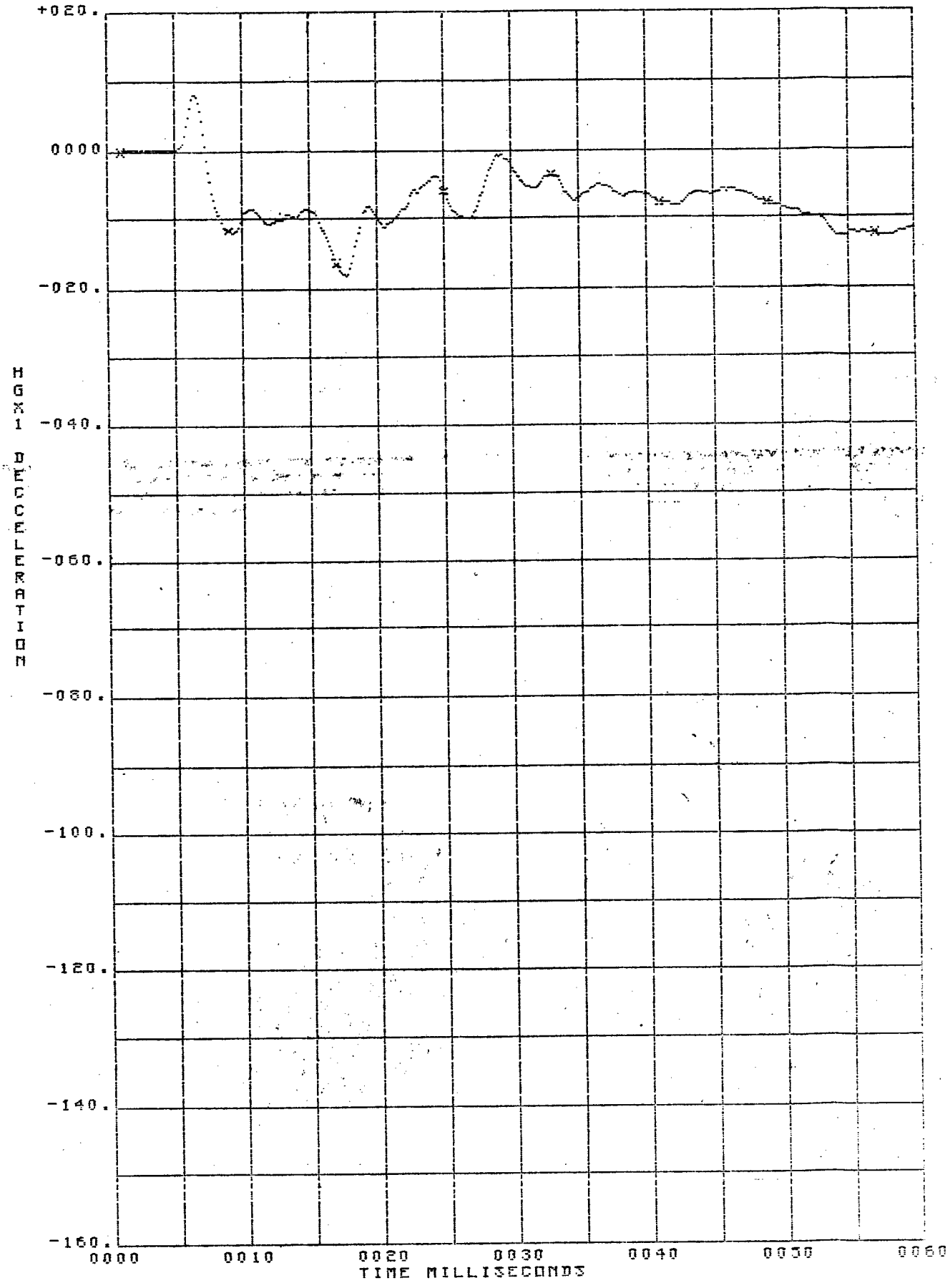
TEST # N008
RELEASE hole # 9
" hgt. 84"
HEAD # 39
HEXCELL STANDARD

RESULTS

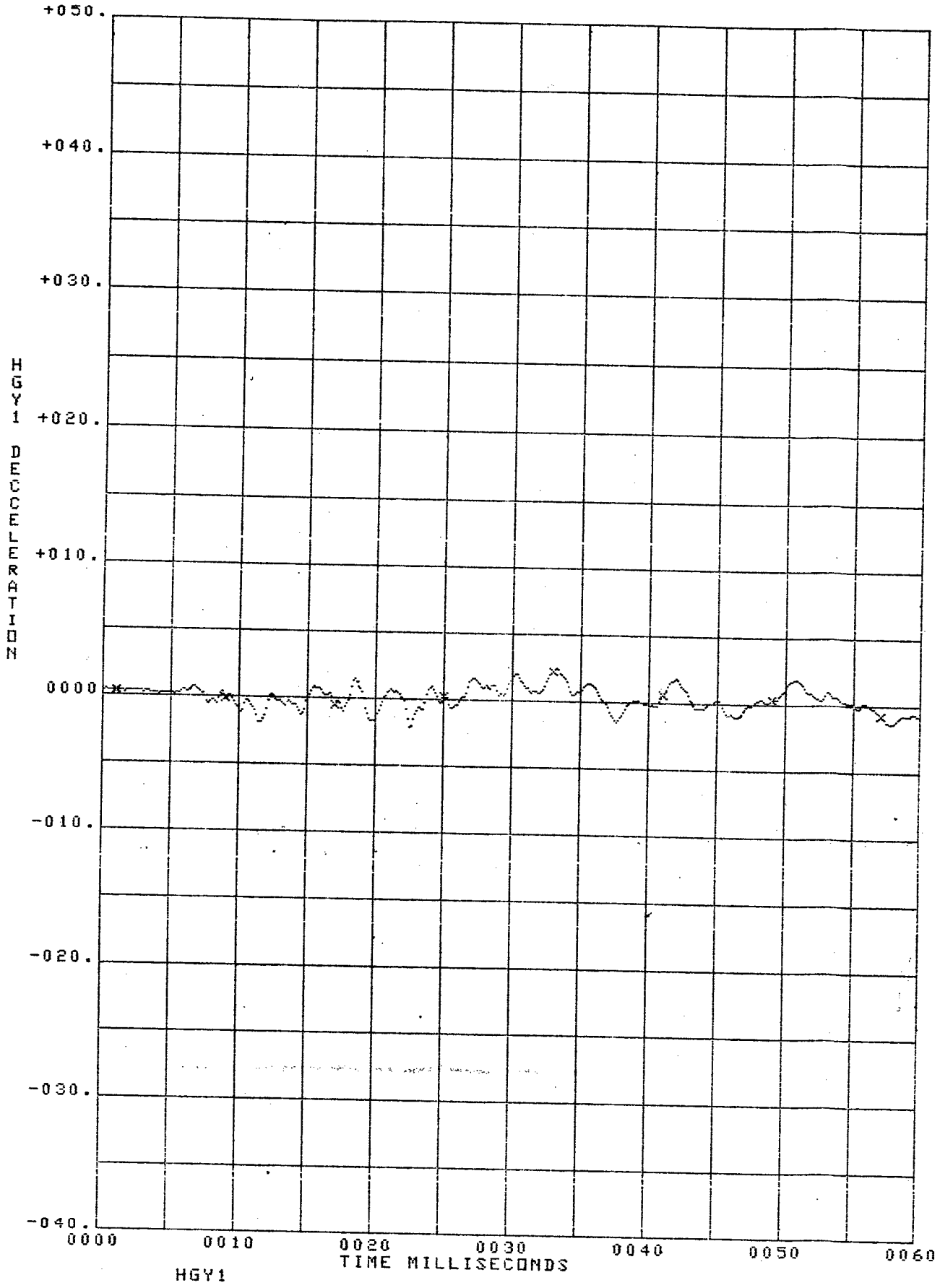
HEXCELL crushed to
Resultant 25.8 G
T2 - T1 1.500 m. s.
T3 - T2 19.250 m. s.
T4 - T3 1.875 m. s.
AVE T3-T2 25.987 G

Rotation	Time	Disp
0°	0 ms	0 ins.
30°	22	2.36
60°	36	4.32
86½°	64	5.77
60°	96	4.07
30°	111	2.34
0°	127	.14

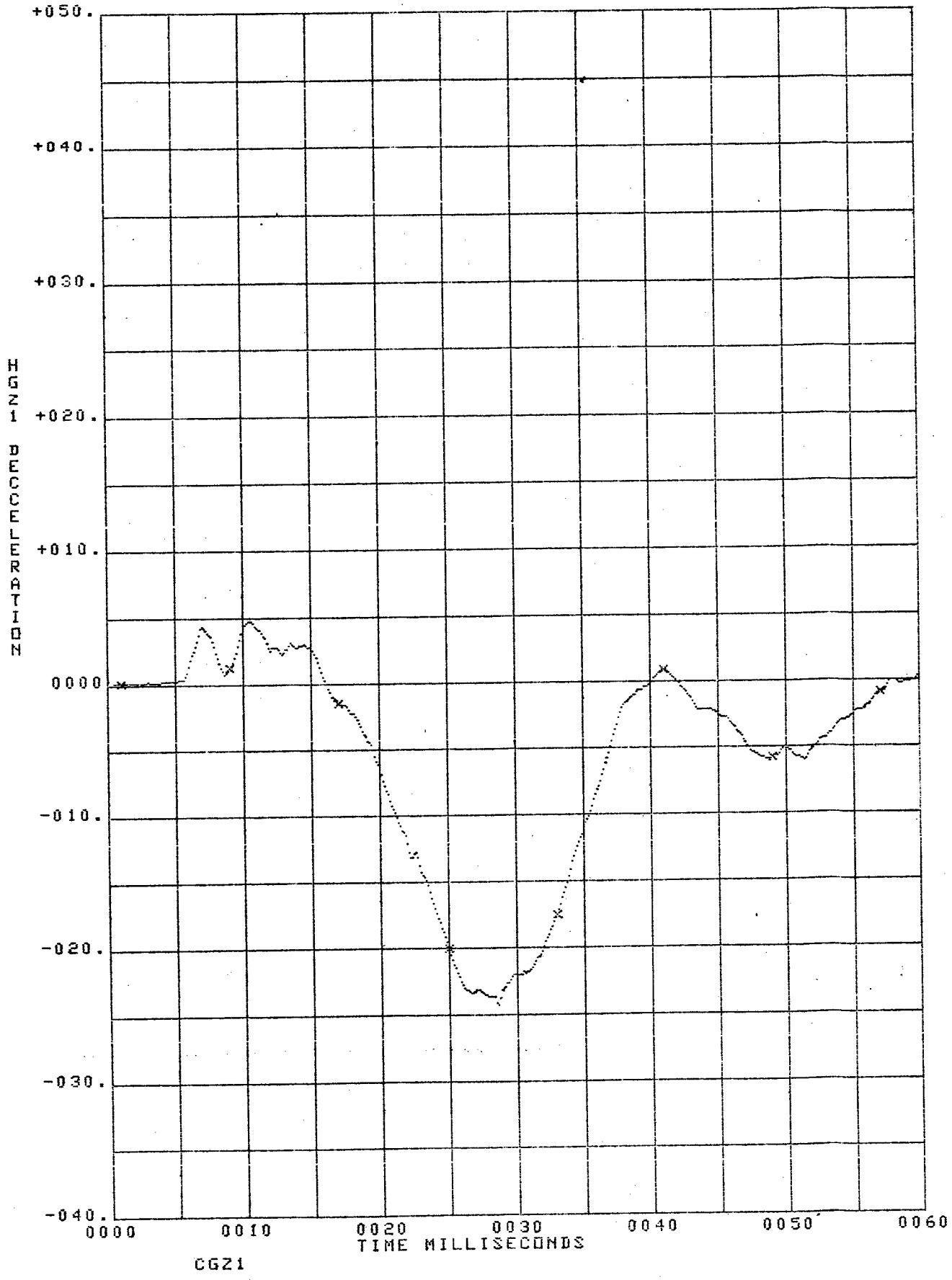
NECK PENDULUM
TEST N008



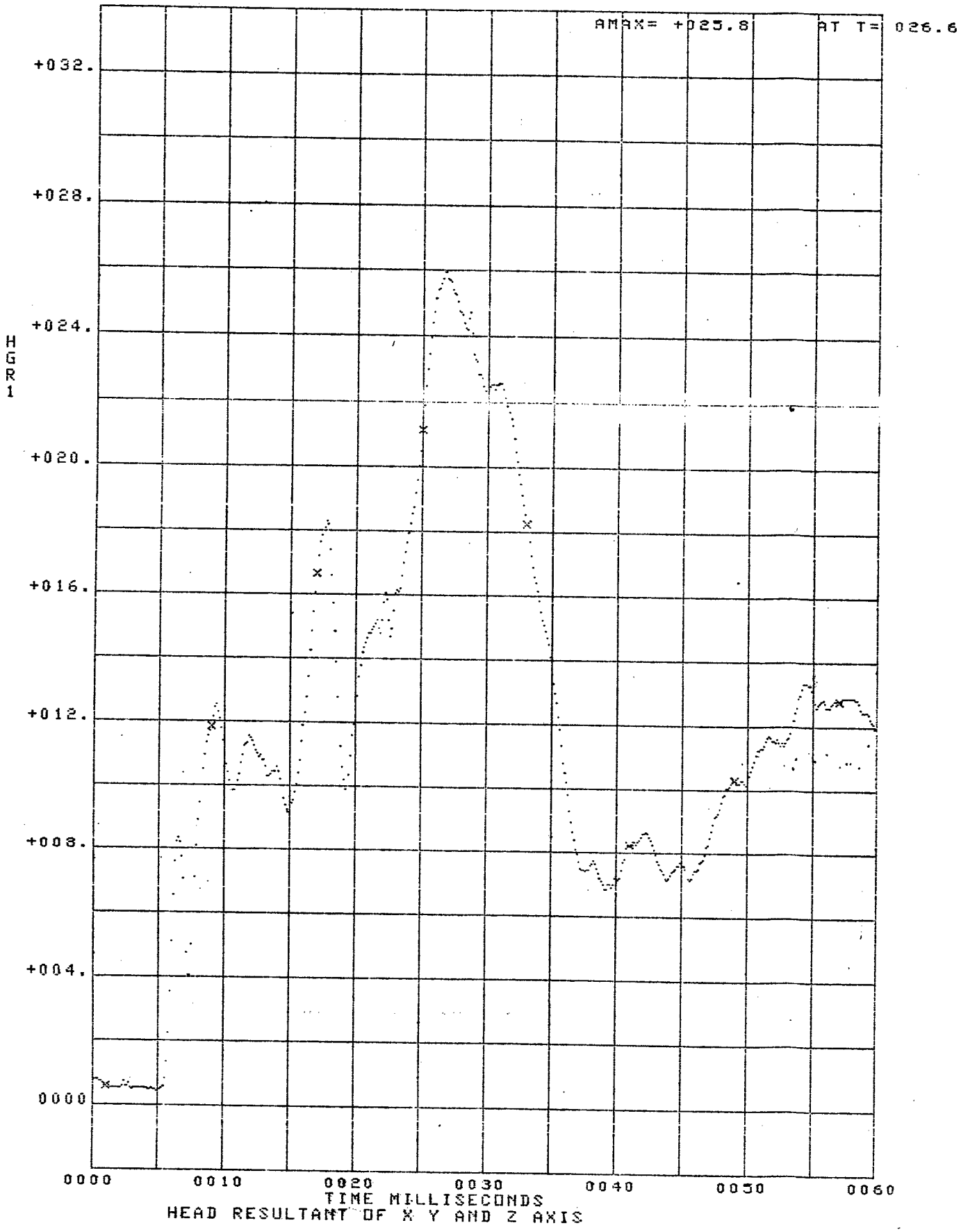
NECK PENDULUM
TEST N008



NECK PENDULUM
TEST N008

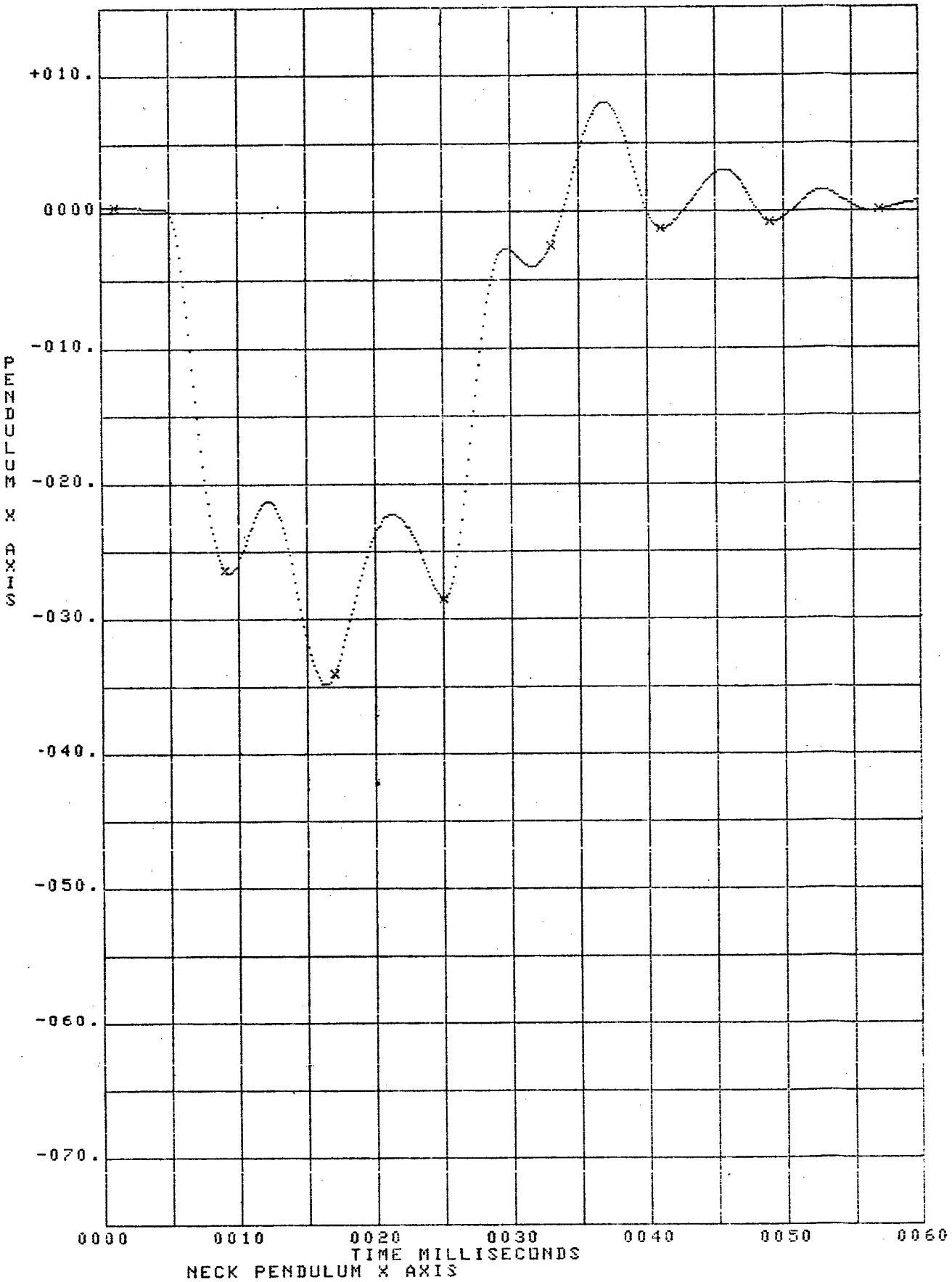


NECK PENDULUM
TEST N008



HEAD RESULTANT OF X Y AND Z AXIS

NECK PENDULUM
TEST N008



VARIABLE PAX1 M008

TIME					
0.0000	+000.2	+000.2	+000.2	+000.2	+000.2
0.6250	+000.2	+000.2	+000.1	+000.1	+000.1
1.2500	+000.1	+000.1	+000.1	+000.1	+000.1
1.8750	+000.1	+000.1	+000.1	+000.1	+000.1
2.5000	+000.1	+000.0	+000.1	+000.0	+000.0
3.1250	+000.0	+000.0	+000.0	+000.0	+000.0
3.7500	+000.0	+000.0	+000.0	+000.0	+000.0
4.3750	+000.0	+000.0	+000.0	-000.0	-000.1
5.0000	-000.4	-000.8	-001.3	-001.8	-002.6
5.6250	-003.4	-004.4	-005.5	-006.7	-007.8
6.2500	-009.0	-010.3	-011.6	-012.9	-014.0
6.8750	-015.3	-016.4	-017.6	-018.7	-019.7
7.5000	-020.6	-021.6	-022.4	-023.1	-023.8
8.1250	-024.3	-024.8	-025.3	-025.7	-026.0
8.7500	-026.3	-026.5	-026.7	-026.7	-026.7
9.3750	-026.6	-026.5	-026.4	-026.2	-026.0
10.0000	-025.5	-025.3	-025.0	-024.7	-024.2
10.6250	-023.8	-023.5	-023.2	-022.9	-022.5
11.2500	-022.2	-022.0	-021.9	-021.7	-021.5
11.8750	-021.4	-021.4	-021.4	-021.4	-021.5
12.5000	-021.6	-021.9	-022.2	-022.5	-022.8
13.1250	-023.2	-023.7	-024.3	-024.9	-025.4
13.7500	-026.0	-026.7	-027.4	-028.1	-028.6
14.3750	-029.3	-029.9	-030.6	-031.2	-031.6
15.0000	-032.1	-032.5	-033.1	-033.5	-033.8
15.6250	-034.0	-034.3	-034.6	-034.8	-034.9
16.2500	-034.9	-034.9	-034.8	-034.7	-034.4
16.8750	-034.1	-033.8	-033.5	-033.0	-032.6
17.5000	-032.1	-031.6	-031.2	-030.8	-030.3
18.1250	-029.7	-029.3	-028.8	-028.4	-027.8
18.7500	-027.3	-026.8	-026.4	-026.0	-025.5
19.3750	-025.1	-024.7	-024.4	-024.1	-023.8
20.0000	-023.4	-023.3	-023.1	-022.9	-022.7
20.6250	-022.5	-022.5	-022.4	-022.4	-022.3
21.2500	-022.3	-022.4	-022.5	-022.6	-022.7
21.8750	-022.7	-022.9	-023.1	-023.3	-023.4
22.5000	-023.6	-023.8	-024.1	-024.4	-024.7
23.1250	-025.0	-025.3	-025.7	-026.0	-026.4
23.7500	-026.6	-027.0	-027.3	-027.6	-027.8
24.3750	-028.0	-028.3	-028.5	-028.6	-028.6
25.0000	-028.5	-028.5	-028.2	-027.9	-027.5
25.6250	-026.9	-026.3	-025.5	-024.7	-023.8
26.2500	-022.7	-021.7	-020.6	-019.5	-018.3
26.8750	-017.1	-015.9	-014.8	-013.6	-012.5
27.5000	-011.4	-010.4	-009.4	-008.5	-007.6
28.1250	-006.8	-006.1	-005.5	-005.0	-004.4
28.7500	-004.0	-003.7	-003.4	-003.2	-003.0
29.3750	-002.9	-002.9	-002.9	-002.9	-003.0
30.0000	-003.1	-003.2	-003.4	-003.5	-003.6
30.6250	-003.7	-003.9	-004.0	-004.1	-004.1
31.2500	-004.2	-004.2	-004.2	-004.2	-004.2
31.8750	-004.0	-004.0	-003.9	-003.7	-003.6
32.5000	-003.4	-003.1	-002.9	-002.6	-002.3
33.1250	-002.0	-001.6	-001.3	-000.9	-000.5
33.7500	-000.0	+000.3	+000.7	+001.1	+001.6
34.3750	+002.1	+002.6	+003.0	+003.5	+003.9
35.0000	+004.4	+004.9	+005.3	+005.6	+006.0
35.6250	+006.3	+006.6	+006.9	+007.1	+007.3
36.2500	+007.5	+007.6	+007.7	+007.7	+007.7
36.8750	+007.7	+007.7	+007.6	+007.4	+007.2

VARIABLE	PAX1	N008				
37.5000		+007.1	+006.9	+006.6	+006.3	+005.9
38.1250		+005.6	+005.2	+004.8	+004.3	+003.8
38.7500		+003.4	+003.0	+002.5	+002.1	+001.6
39.3750		+001.2	+000.8	+000.4	+000.0	-000.2
40.0000		-000.4	-000.7	-000.9	-001.1	-001.2
40.6250		-001.4	-001.4	-001.5	-001.5	-001.5
41.2500		-001.4	-001.4	-001.2	-001.2	-001.0
41.8750		-000.9	-000.8	-000.7	-000.5	-000.3
42.5000		-000.2	-000.0	+000.0	+000.2	+000.3
43.1250		+000.5	+000.7	+000.9	+001.0	+001.2
43.7500		+001.3	+001.5	+001.7	+001.8	+001.9
44.3750		+002.1	+002.2	+002.3	+002.4	+002.5
45.0000		+002.5	+002.7	+002.7	+002.7	+002.8
45.6250		+002.8	+002.8	+002.7	+002.7	+002.6
46.2500		+002.5	+002.4	+002.2	+002.1	+001.9
46.8750		+001.7	+001.5	+001.3	+001.1	+000.8
47.5000		+000.7	+000.4	+000.2	+000.0	-000.1
48.1250		-000.3	-000.5	-000.7	-000.8	-000.9
48.7500		-000.9	-001.0	-001.0	-001.0	-000.9
49.3750		-000.9	-000.8	-000.8	-000.7	-000.6
50.0000		-000.5	-000.4	-000.3	-000.2	-000.1
50.6250		-000.0	+000.0	+000.2	+000.3	+000.4
51.2500		+000.5	+000.7	+000.8	+000.8	+001.0
51.8750		+001.0	+001.1	+001.1	+001.2	+001.2
52.5000		+001.3	+001.3	+001.3	+001.3	+001.2
53.1250		+001.2	+001.1	+001.1	+001.1	+001.0
53.7500		+000.9	+000.8	+000.8	+000.7	+000.7
54.3750		+000.5	+000.5	+000.4	+000.3	+000.2
55.0000		+000.2	+000.1	+000.0	+000.0	-000.0
55.6250		-000.0	-000.0	-000.1	-000.1	-000.1
56.2500		-000.1	-000.1	-000.1	-000.1	-000.1
56.8750		-000.0	-000.0	-000.0	-000.0	+000.0
57.5000		+000.0	+000.0	+000.0	+000.1	+000.1
58.1250		+000.2	+000.2	+000.2	+000.2	+000.3
58.7500		+000.3	+000.3	+000.4	+000.4	+000.4
59.3750		+000.4	+000.5	+000.5	+000.5	+000.9

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