U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-282 149

Flight Data of Electric Field Thunderstorm Research International Project, Trip 76, July 1976

National Oceanic and Atmospheric Administration, Boulder, Colo

Prepared for

National Aeronautics and Space Administration, Cocoa Beach, Fla
John F Kennedy Space Center

Jan 78

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NOAA FORM 25-13 (2-73)

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U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Heinz W. Kasemir

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NASA, Kennedy Space Center, FL

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15. PUBLICATION REFERENCE
NOAA Data Report ERL APCL-1, January 1978. 177 p, chiefly data tables.

16. ABSTRACT
This catalog contains graphs of the gradient components (negative electric field components) recorded on the three airplanes, during the thunderstorm project 1976 at Kennedy Space Center, Florida. (Author extracted)

17. KEY WORDS AND DOCUMENT ANALYSIS

17A. DESCRIPTORS
*Thunderstorms, *Electric fields, Data displays

17B. IDENTIFIERS/OPEN-ENDED TERMS
Catalogs, Florida, Data reports

17C. COSATI FIELD/GROUP
4B

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FLIGHT DATA OF ELECTRIC FIELD
THUNDERSTORM RESEARCH INTERNATIONAL PROJECT, TRIP 76
JULY 1976

Heinz W. Kasemir

Atmospheric Physics and Chemistry Laboratory
Boulder, Colorado
January 1978

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / Environmental Research Laboratories

NOAA DATA REPORT ERL APCL-1

FLIGHT DATA OF ELECTRIC FIELD
THUNDERSTORM RESEARCH INTERNATIONAL PROJECT, TRIP 76
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This NOAA project was partly supported
by a NASA-KSC contract CC 593 60 A

Atmospheric Physics and Chemistry Laboratory
Boulder, Colorado
January 1978

UNITED STATES
DEPARTMENT OF COMMERCE
Juanita M. Kreps, Secretary

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
Richard A Frank Administrator

Environmental Research
Laboratories
Wilmot N Hess Director

TABLE OF CONTENTS

I. Comments on data catalog

a. Airplanes

This catalog contains graphs of the gradient components (negative electric field components) recorded on the three airplanes, C131 (page 1), S2D (page 58), and NASA6 (page 124), during the thunderstorm project 1976 at Kennedy Space Center, Florida.

b. Tape Directory

For each airplane the data set starts with a copy of the tape directory stored always in file 1 of each tape. The tape directory lists the following information in 7 columns.

File	Date	Airplane	Cloud	Pass	Scale	Y_{max}
2	July 10, 1976	C131	1	2	25k	93A
.	.	.	.	.	.	.
.	.	.	.	.	.	.
.	.	.	.	.	.	.

Each graph has the same heading as the directory in column 1-5. In column 6 scale is replaced by G-scale to remind the user that the gradient is shown, which is identical with the field in the atmospheric electric definition but opposite in sign to the physical definition of the field.

c. Time Scale and Registers

Y_{max} in column 7 is replaced by Y-UNIT = 5 sec. 5 sec was originally the sample rate in converting the analog records into digital numbers, i. e. the data points were sampled in 5 sec. intervals. Y_{max} would be identical with the last file register that contains data. In the graph the horizontal y axis displays time. The number at the right of the axis gives the length of the time axis in time units. If for instance this number is 50 and the time unit is 5 sec. the length of the time axis is equivalent to 250 sec. To convert time into distance multiply by the airplane

speed given below. For instance if the airplane speed of the C131 was 165 knt = 85 $\frac{m}{s}$ the length of the y axis represents 85 x 250 = 21250 m = 21.25 km.

During the evaluation of the analog records it became desirable to increase the sample rate from 5 sec to 2.5 sec (A) or 1.25 (B). This is indicated by the letter A or B respectively in the column Y_{max} of the tape directory. The number still gives the last data register of the file. For instance 93A means that the file contains 93 data register but that the sampling rate was 2.5 sec.

d. Gradient Scale

The vertical axis gives the gradient in a normalized scale from -1 to +1. Multiply the normalized value by the indicated G-SCALE to obtain the gradient value in kV/m. For instance if the normalized GZ value is .5 and the G-SCALE 50kV/m the GZ value is .5 x 50kV/m = 25kV/m. In the upper right corner of the graph is a list of symbols Y, +, x, 0 used to plot the gradient components GY, GXt, GXn, GZ respectively. The x, y, z coordinate system is defined with respect to the main airplane axis. The positive direction of x, y, z is left to right wing tip, tail to nose, lower to upper part of the fuselage respectively. Since data were evaluated in level flight, the x-y plane is parallel to the earth surface.

The index t and n at GX indicates that GXt was measured by the top field mill and GXn by the nose field mill. The quality of the data can be judged by the agreement between the GXt and the GXn curve.

e. Airplane Speed

C131 Average Speed: 165 KNT = 85 m/s

S2D Average Speed: 135 KNT = 70 m/s

NASA6 Average Speed: 125 KNT = 64.3 m/s

f. Participating Agencies

National Oceanic and Atmospheric Administration, Atmospheric Physics and Chemistry Laboratory

Heinz W. Kasemir, Project Leader
James Holitza, Dave Rust, Bill Cobb } Scientists
Fred Gould, Computer Expert

Fred Werly, Gerald Saladin, Dave Turner } Pilots of C131

National Aeronautic and Space Administration, Kennedy Space Center

Angelo J. Taiani, Program Coordinator
William Durrett, Scientific Advisor
Ronald Wojtasinski, Technical Representative
Jesse Gulick, Staff Meteorologist
James Nicholson, Assistant Staff Meteorologist } KSC Weather Office, NOAA

Marvin Heckendorf, Linwood Mason, Jan Pruett, James Neff } Pilots of NASA6

U. S. Navy, Naval Research Laboratory, Washington, D. C.

Lothar H. Ruhnke, Lab. Director
Wolfram Kasemir, Scientist

Marshal Willharm, Michael Pica } Pilots of S2D

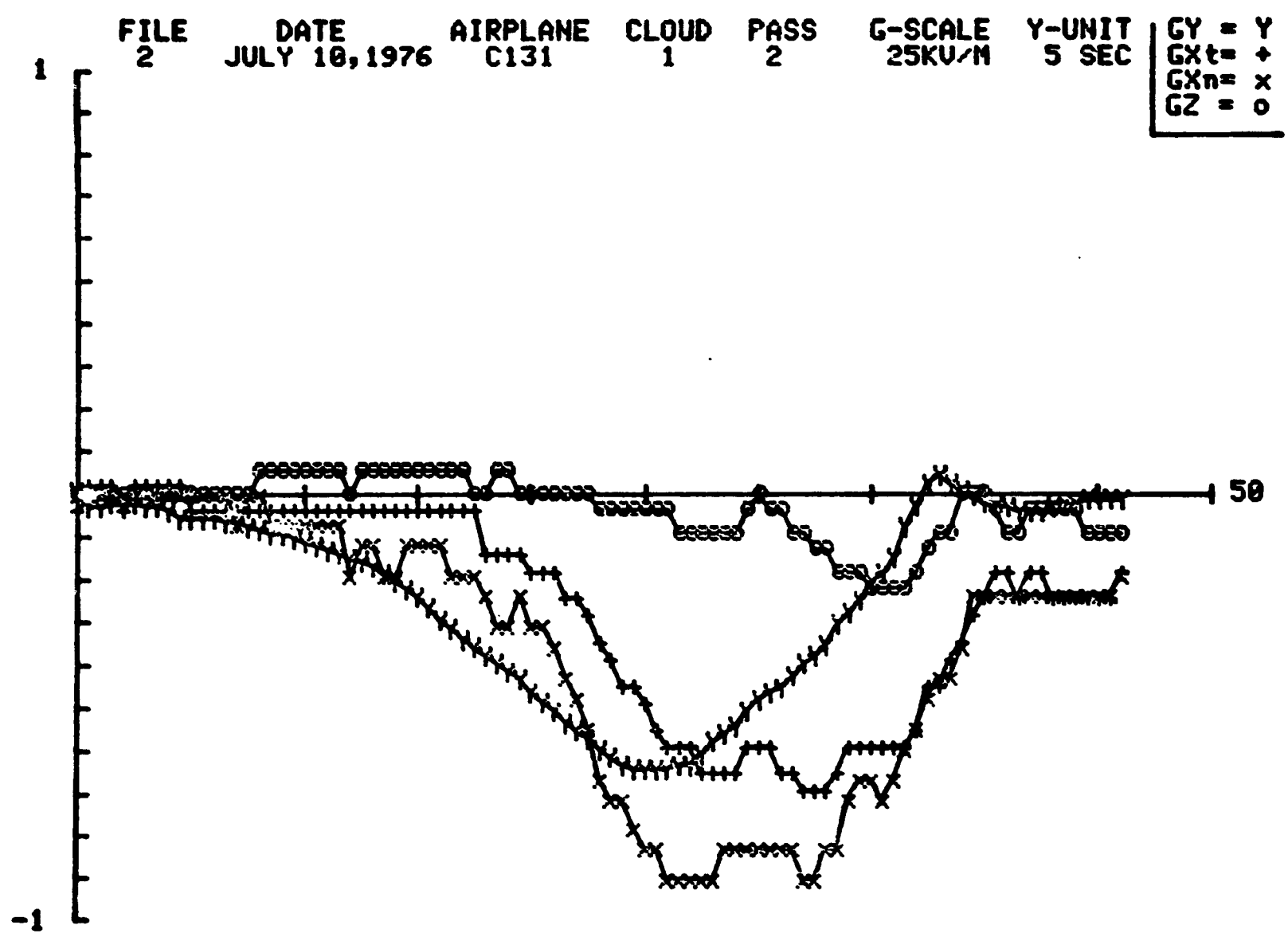
The NOAA project was partly supported by a NASA-KSC contract CC 593 60 A

C131 DATA TAPE 1

FILE	DATE	AIR LANE	CLOUD	PASS	SCALE	Ymax
2	JULY 10,1976	C131	1	2	25K	93A
3	JULY 10,1976	C131	1	3	25K	109A
4	JULY 10,1976	C131	1	4	50K	105A
5	JULY 10,1976	C131	1	5	25K	105A
6	JULY 10,1976	C131	1	6	25K	159A
7	JULY 10,1976	C131	1	7	25K	151A
8	JULY 10,1976	C131	3	1	25K	107A
9	JULY 10,1976	C131	3	2	25K	99A
10	JULY 10,1976	C131	3	3	25K	115A
11	JULY 10,1976	C131	3	4	25K	143A
12	JULY 10,1976	C131	3	5	25K	145A
13	JULY 10,1976	C131	3	6	25K	153A
14	JULY 10,1976	C131	3	7	10K	169A
15	JULY 10,1976	C131	3	8	10K	181A
16	JULY 12,1976	C131	1	2	25K	133A
17	JULY 12,1976	C131	1	3	25K	121A
18	JULY 12,1976	C131	1	4	10K	101A
19	JULY 12,1976	C131	1	5	25K	137A
20	JULY 12,1976	C131	1	6	10K	151A
21	JULY 12,1976	C131	1	7	10K	121A
22	JULY 13,1976	C131	2	1	25K	239A
23	JULY 13,1976	C131	2	2	25K	117A
24	JULY 13,1976	C131	2	3	50K	167A
25	JULY 13,1976	C131	2	4	10K	131A
26	JULY 13,1976	C131	2	5	10K	97A
27	JULY 13,1976	C131	2	6	5K	117A
28	JULY 13,1976	C131	2	7	10K	81A
29	JULY 13,1976	C131	2	8	1K	83A
30	JULY 14,1976	C131	1	1	1K	77A
31	JULY 14,1976	C131	1	4	10K	49B

2 C-131 DATA TAPE 2

FILE	DATE	AIRPLANE	CLOUD	PASS	SCALE	Ymax
2	JULY 15,1976	C131	2	3	5K	111A
3	JULY 15,1976	C131	2	4	25K	115A
4	JULY 15,1976	C131	2	5	10K	67A
5	JULY 15,1976	C131	3	1	10K	83
6	JULY 15,1976	C131	3	3	25K	101A
7	JULY 15,1976	C131	3	4	100K	81A
8	JULY 15,1976	C131	3	5	100K	97A
9	JULY 15,1976	C131	3	6	25K	97A
10	JULY 15,1976	C131	3	7	25K	68A
11	JULY 15,1976	C131	3	8	25K	107A
12	JULY 15,1976	C131	3	9	5K	91A
13	JULY 15,1976	C131	3	10	10K	73A
14	JULY 15,1976	C131	3	11	1K	85A
15	JULY 15,1976	C131	3	12	1K	87A
16	JULY 16,1976	C131	1	1	10K	117A
17	JULY 16,1976	C131	1	2	25K	111A
18	JULY 16,1976	C131	1	3	25K	87A
19	JULY 16,1976	C131	1	4	25K	87A
20	JULY 16,1976	C131	1	5	25K	119A
21	JULY 16,1976	C131	1	6	25K	181A
22	JULY 16,1976	C131	1	7	25K	181A
23	JULY 16,1976	C131	1	8	25K	193A
24	JULY 16,1976	C131	1	9	50K	231A
25	JULY 16,1976	C131	1	10	50K	189A
26	JULY 16,1976	C131	1	11	25K	254A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PASS
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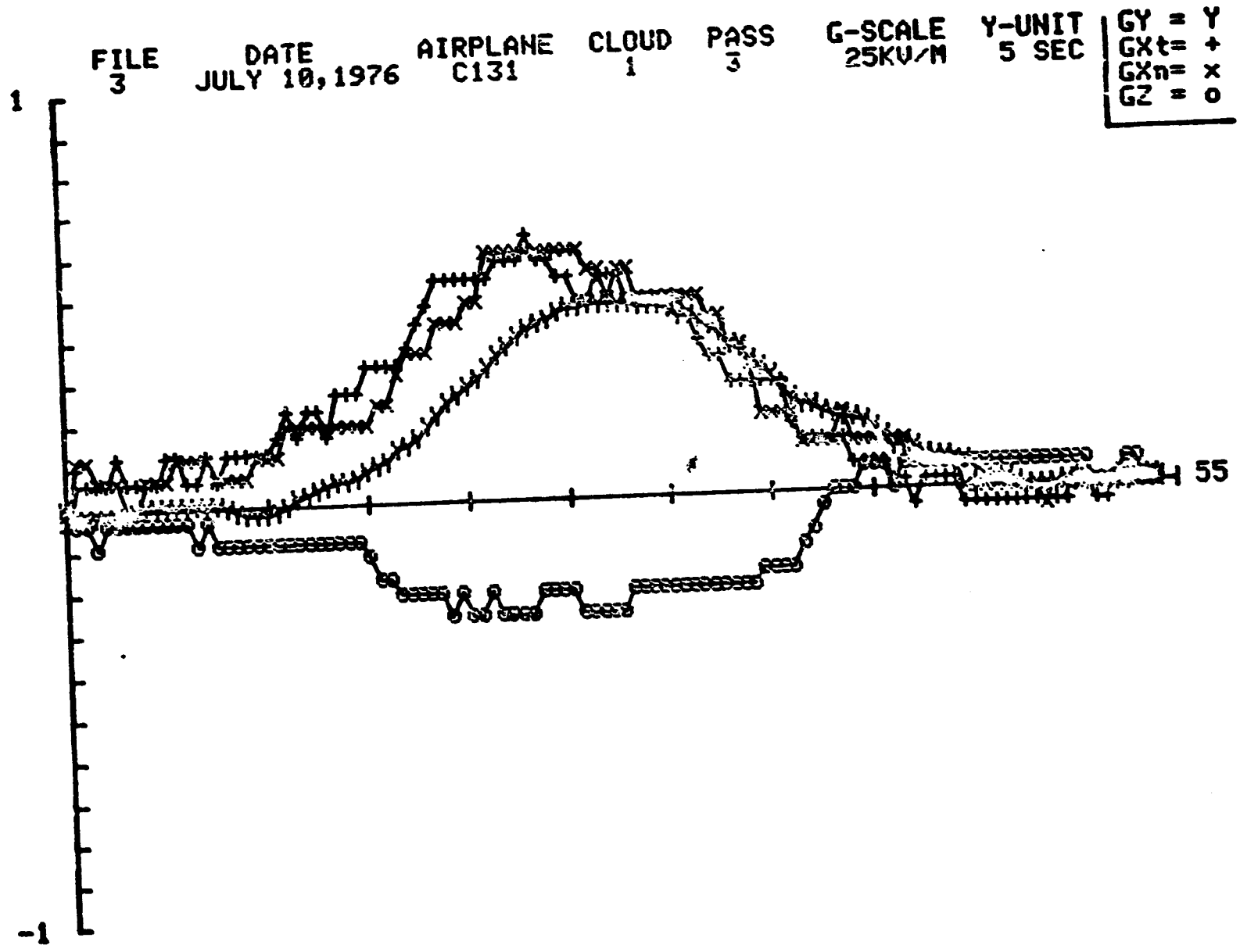
GXn= x
GZ = o
1
-1
50

4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GXn= x
GZ = o
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-1
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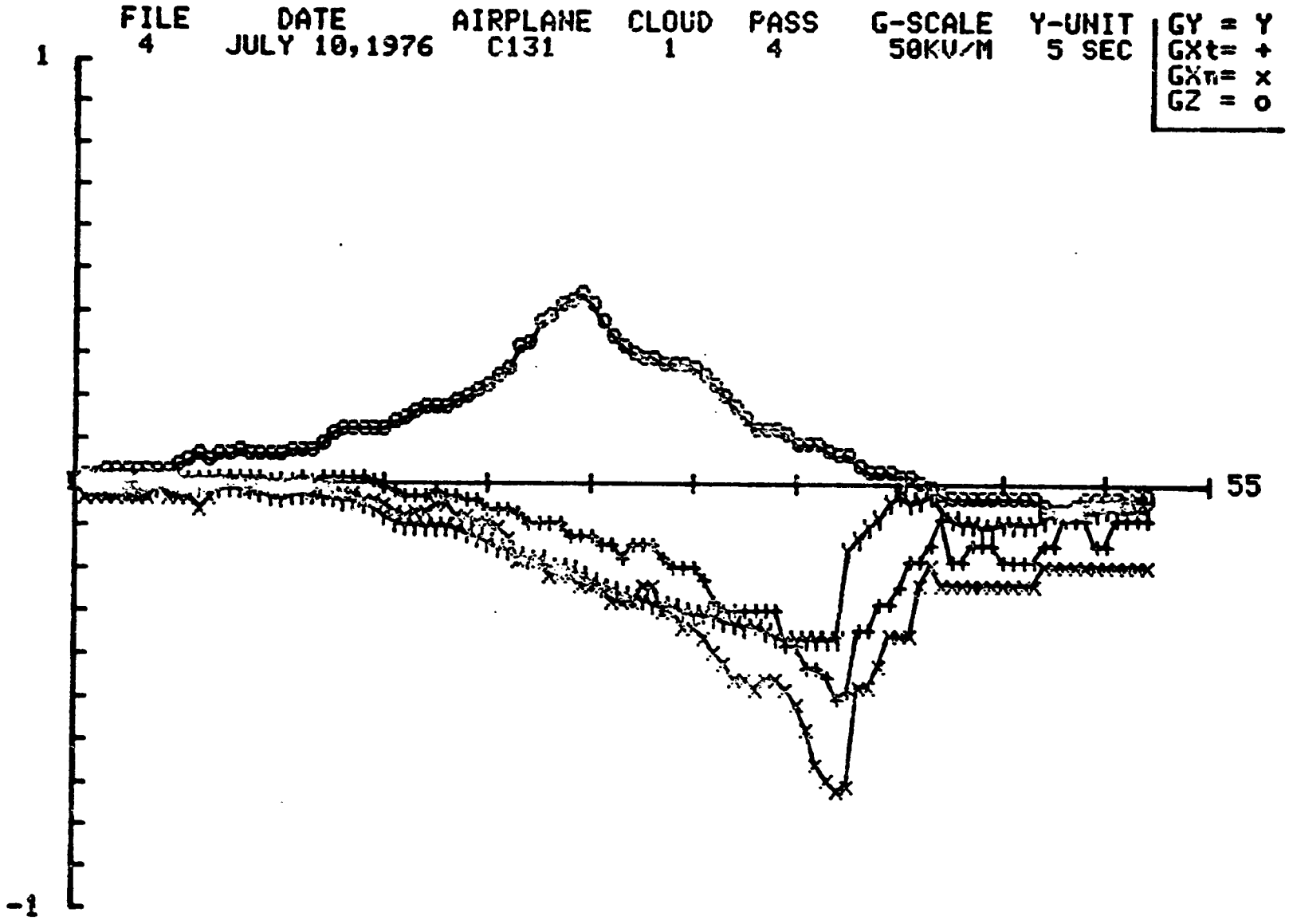
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-1
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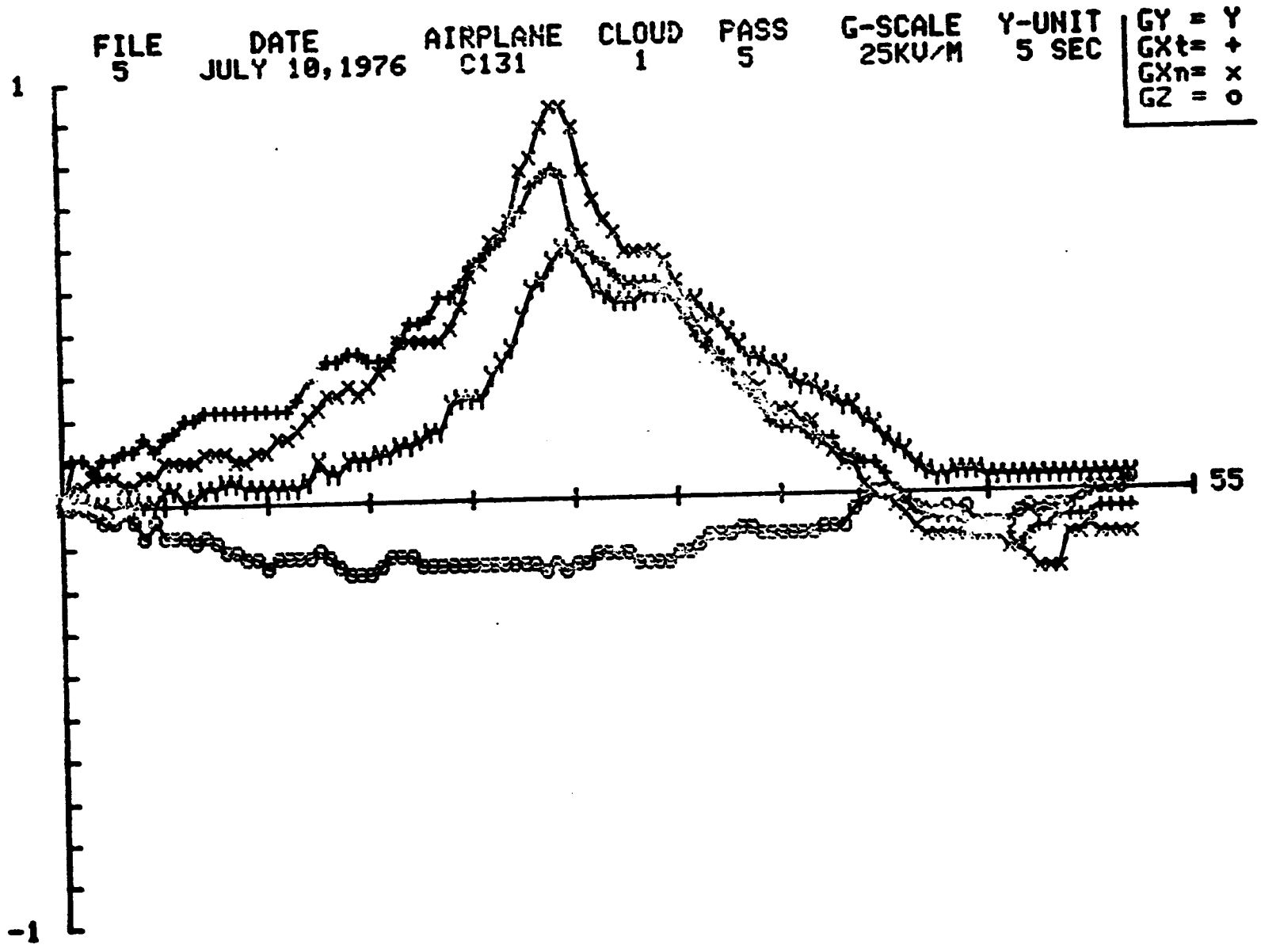
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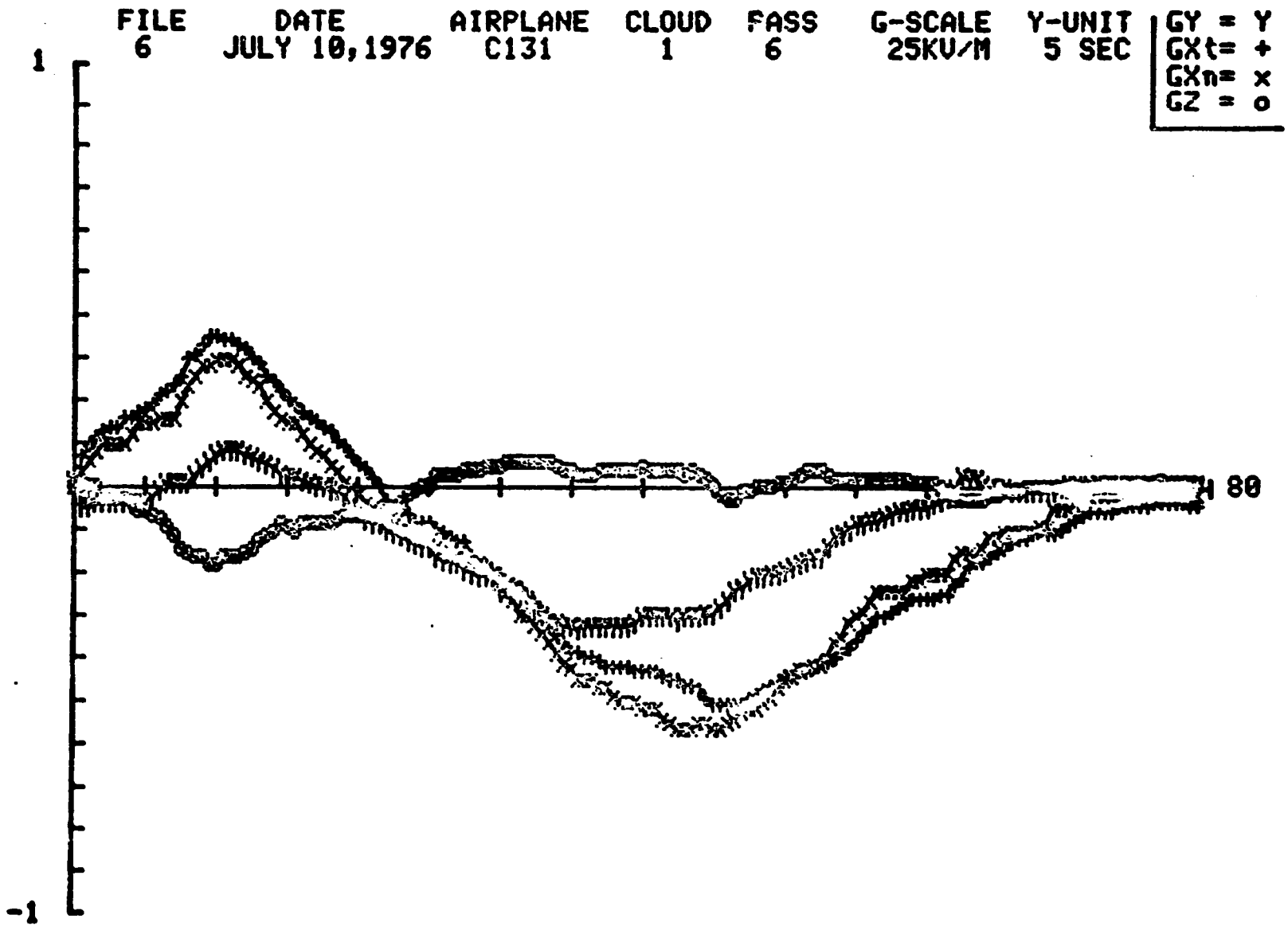
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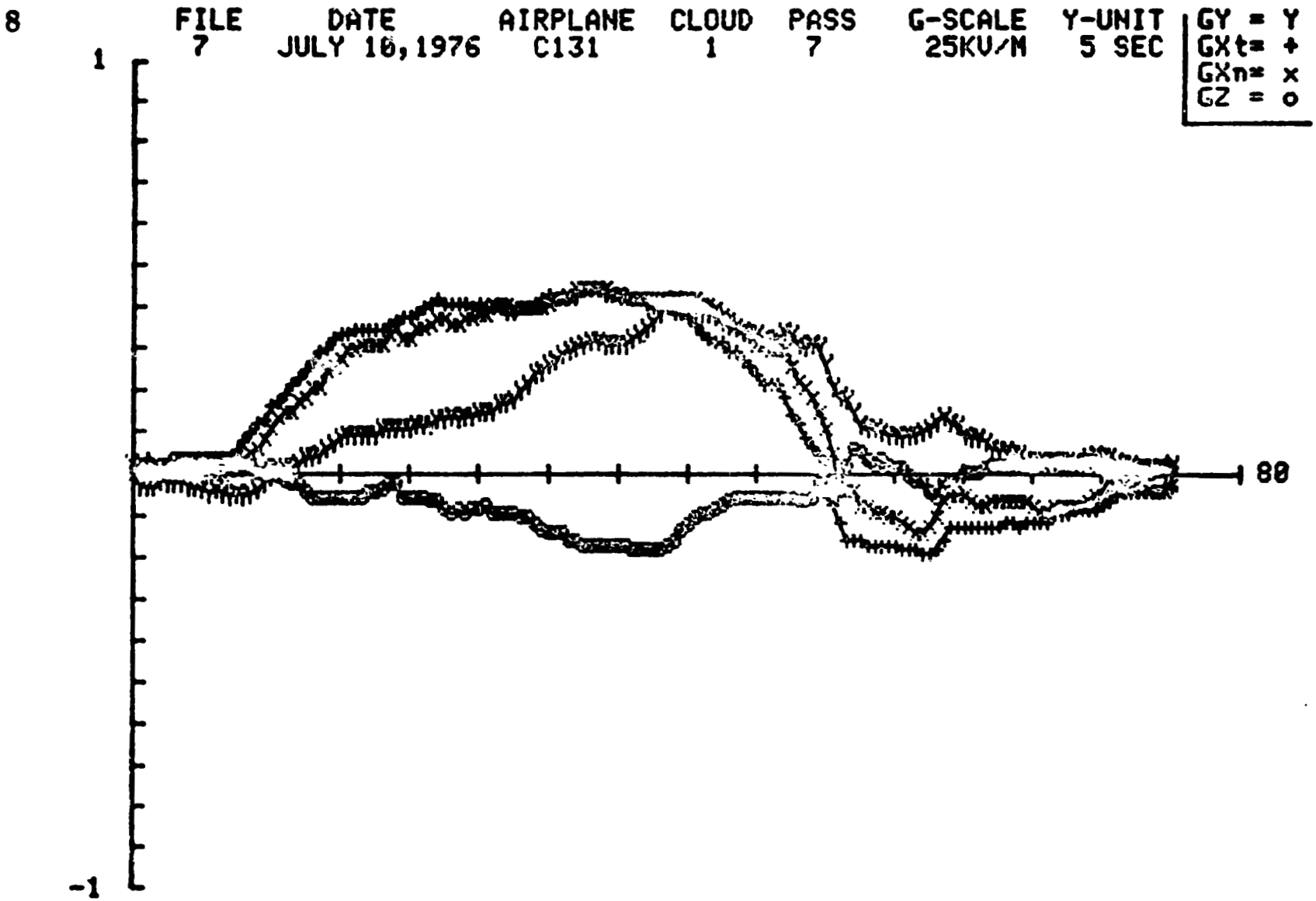
H 80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AIRPLANE
C131
CLOUD
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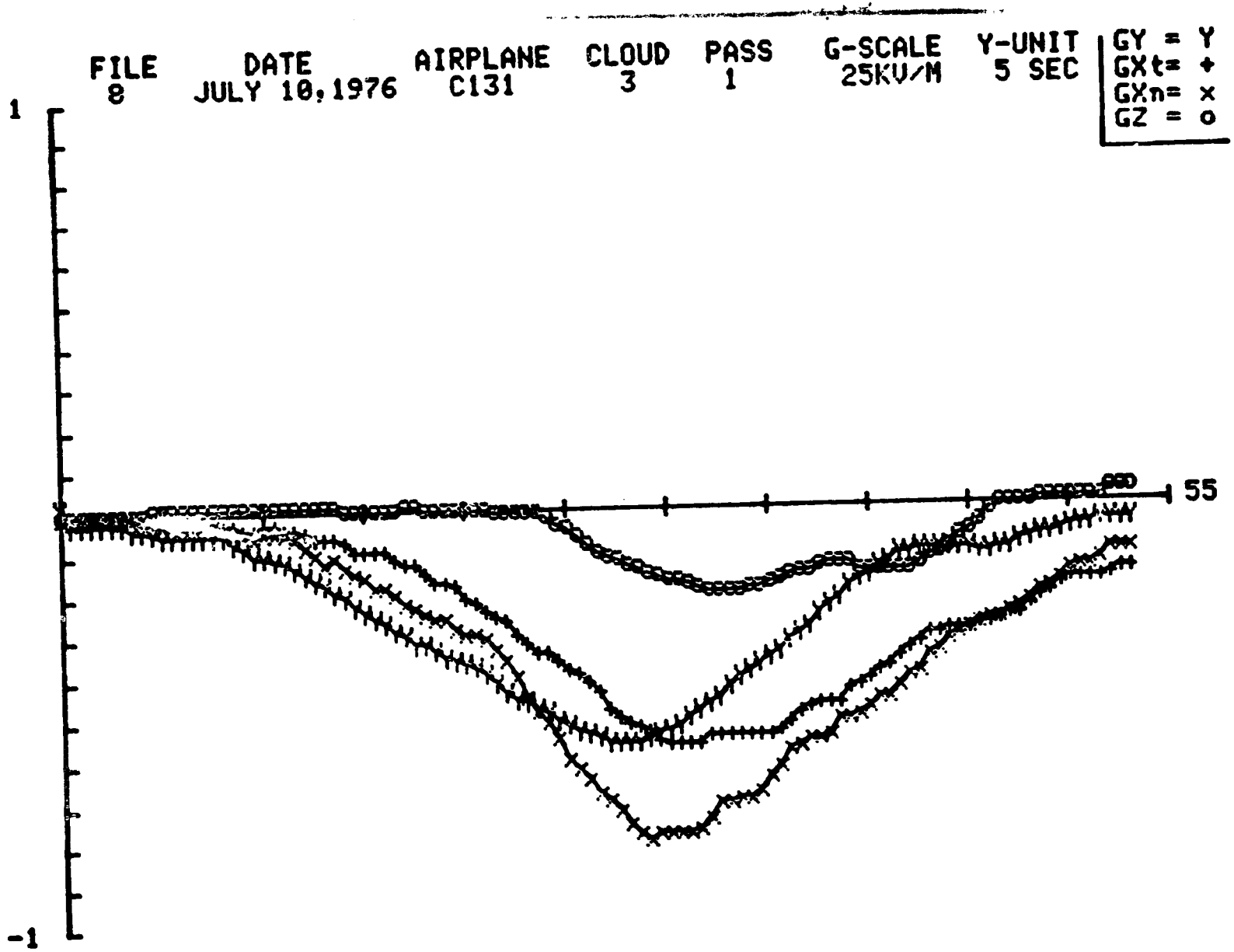
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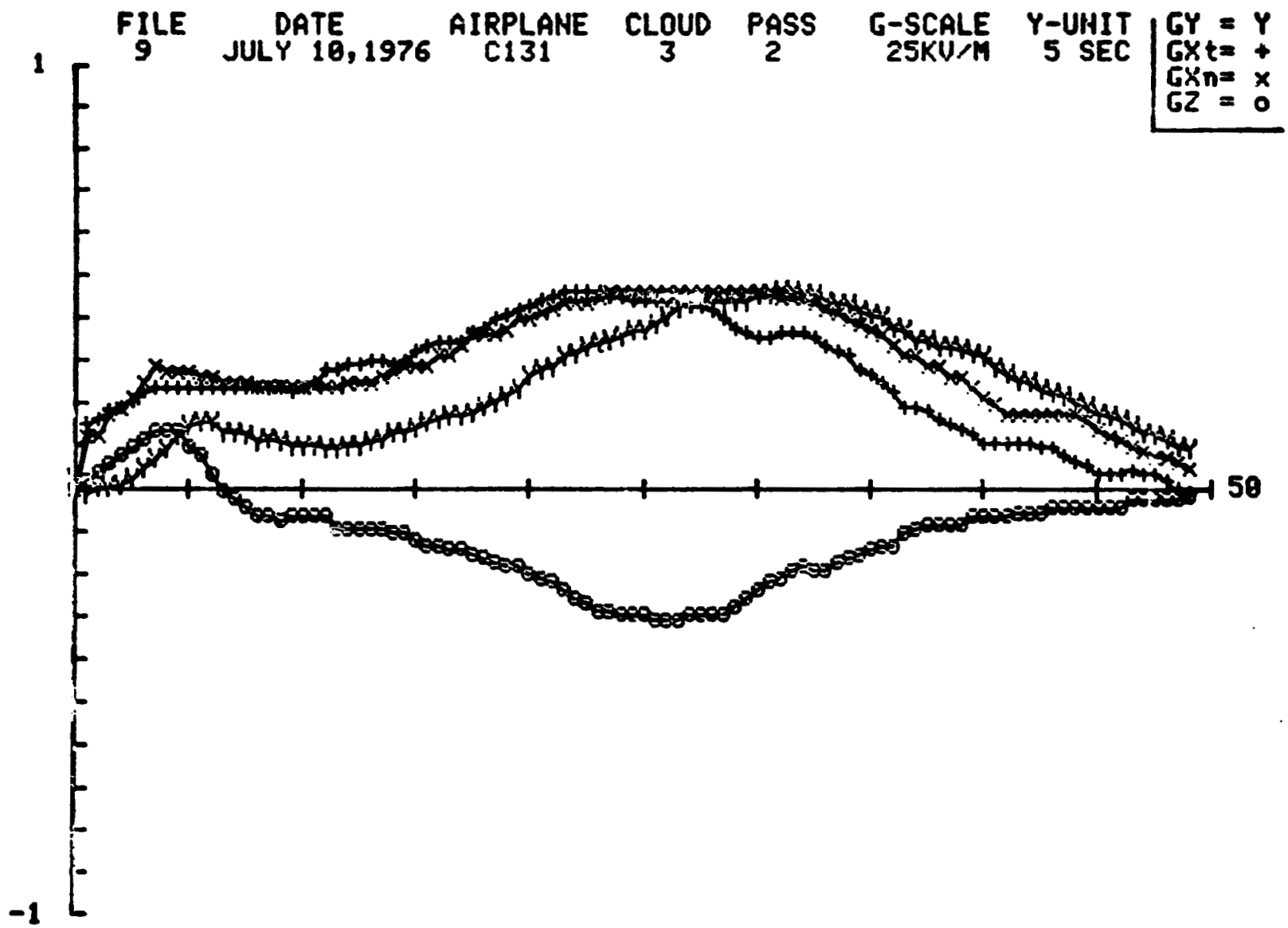
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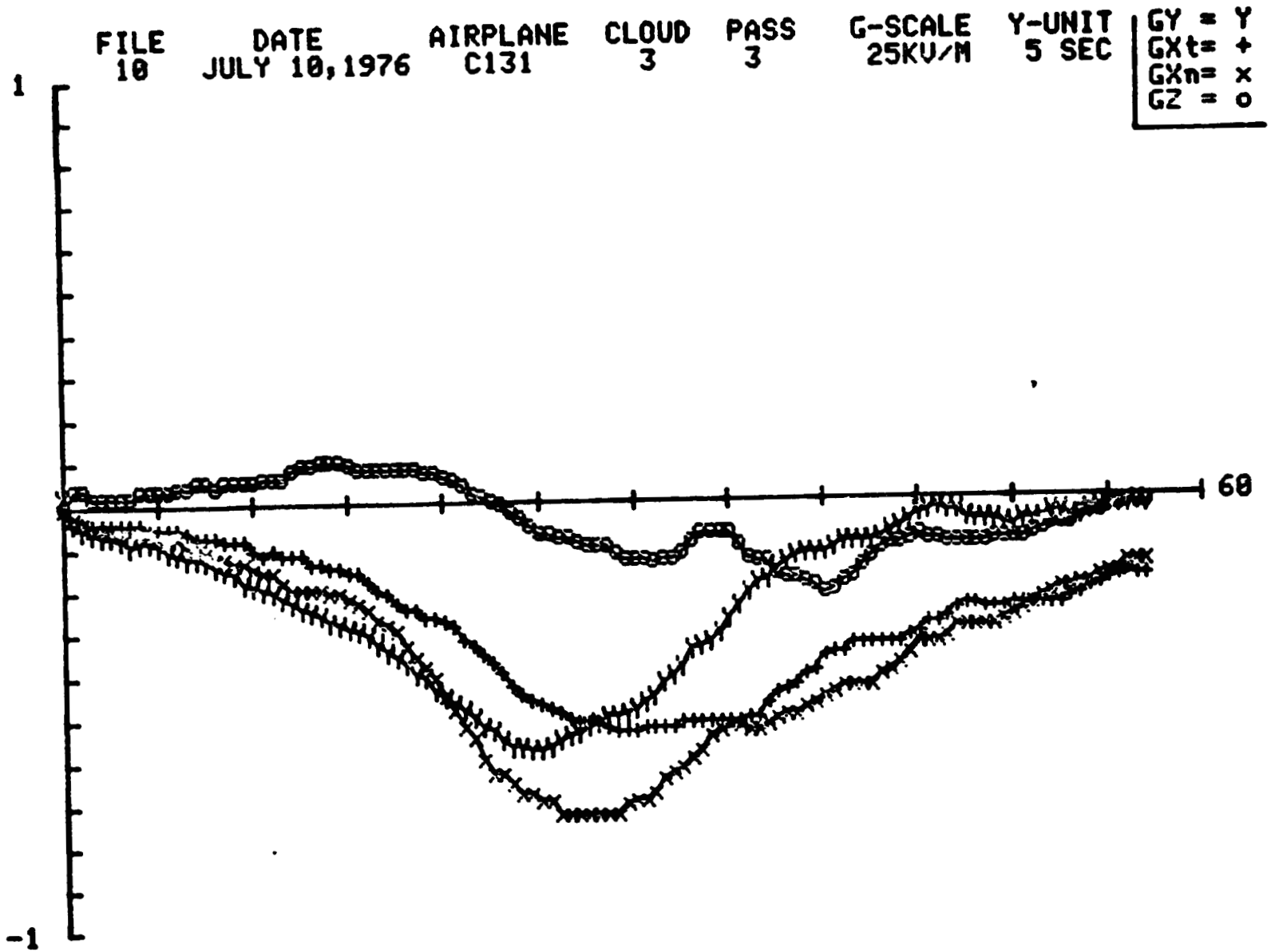
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C131
CLOUD
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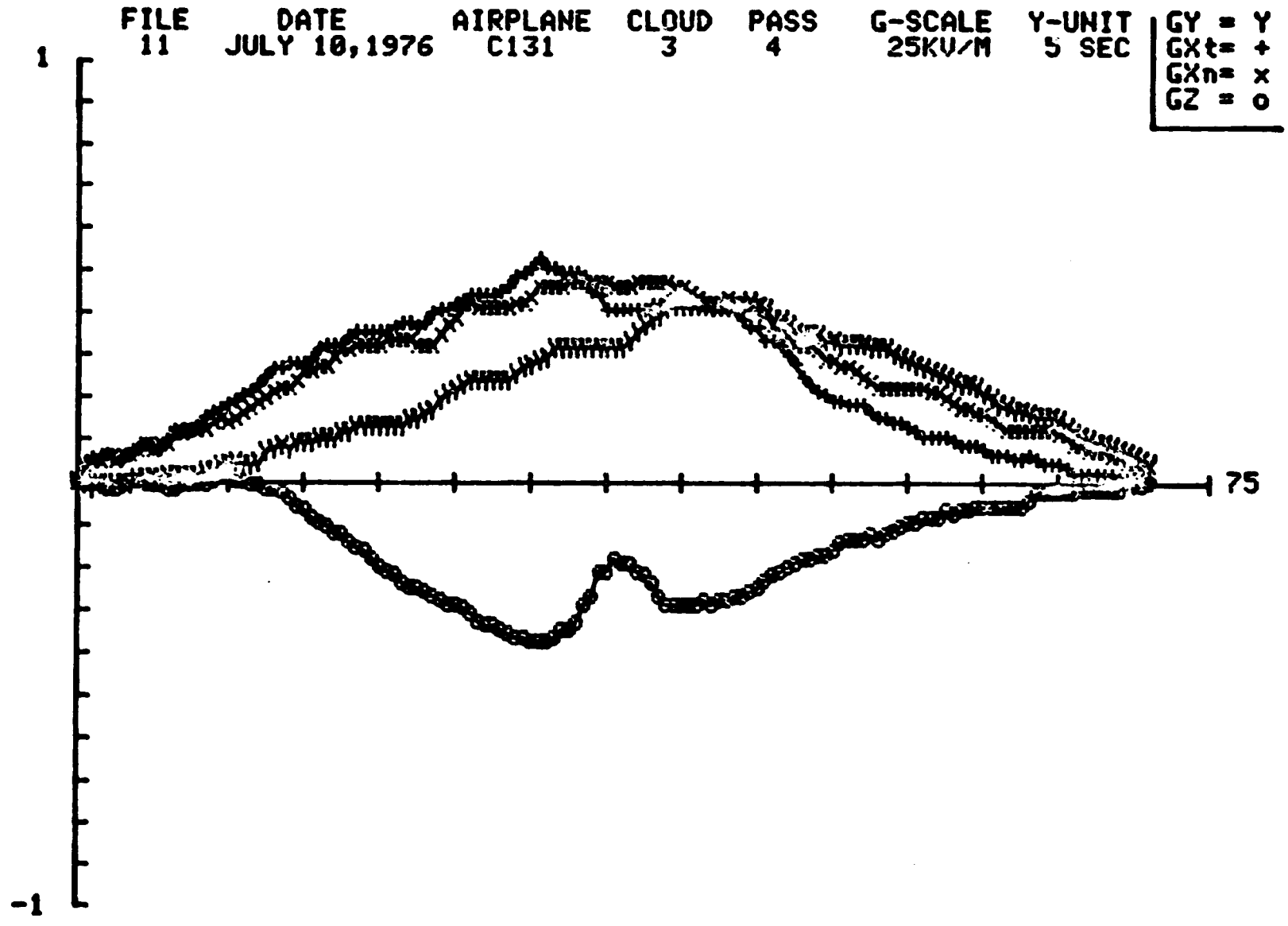
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AIRPLANE
C131
CLOUD
3
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4
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Y-UNIT
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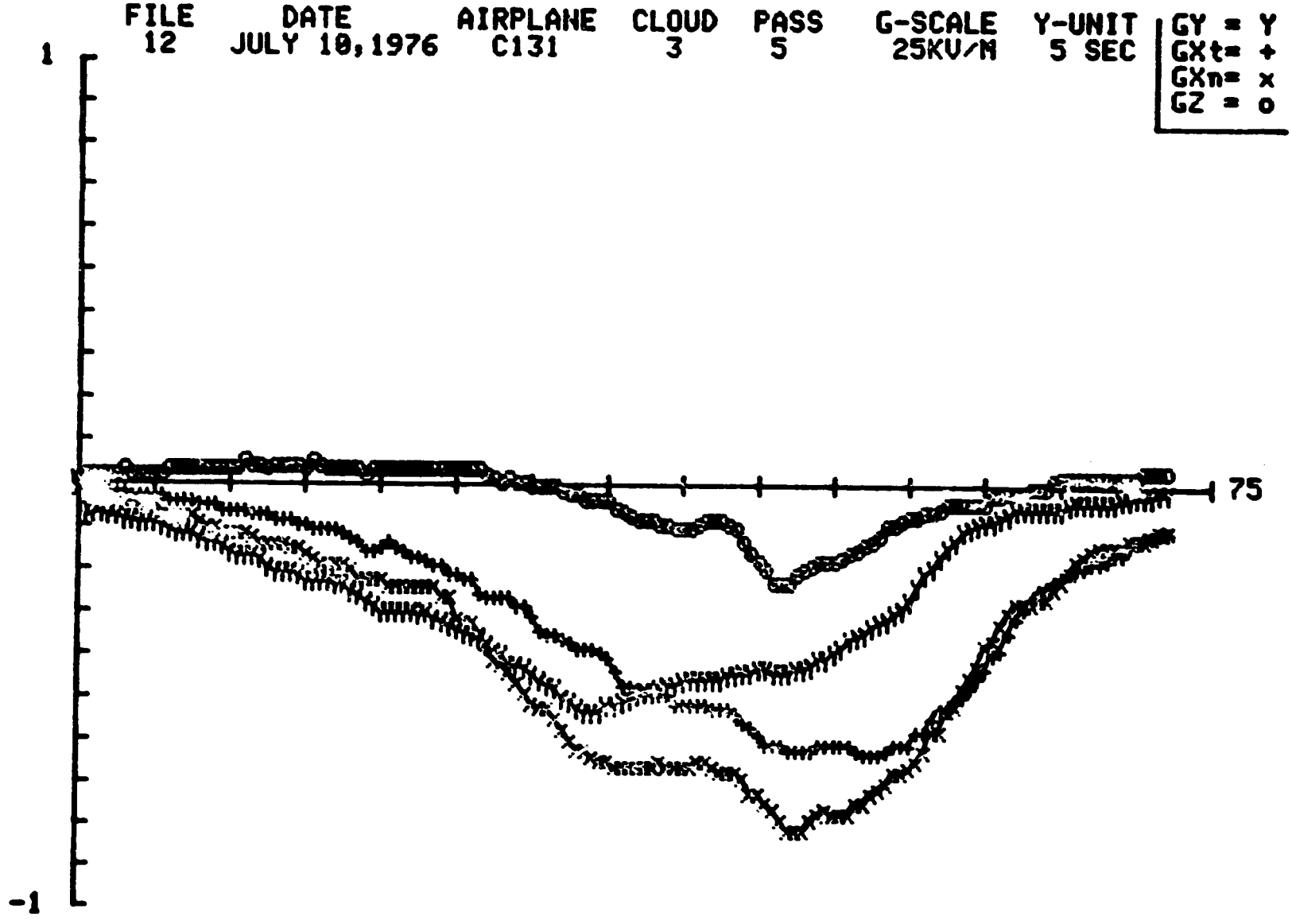
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C131
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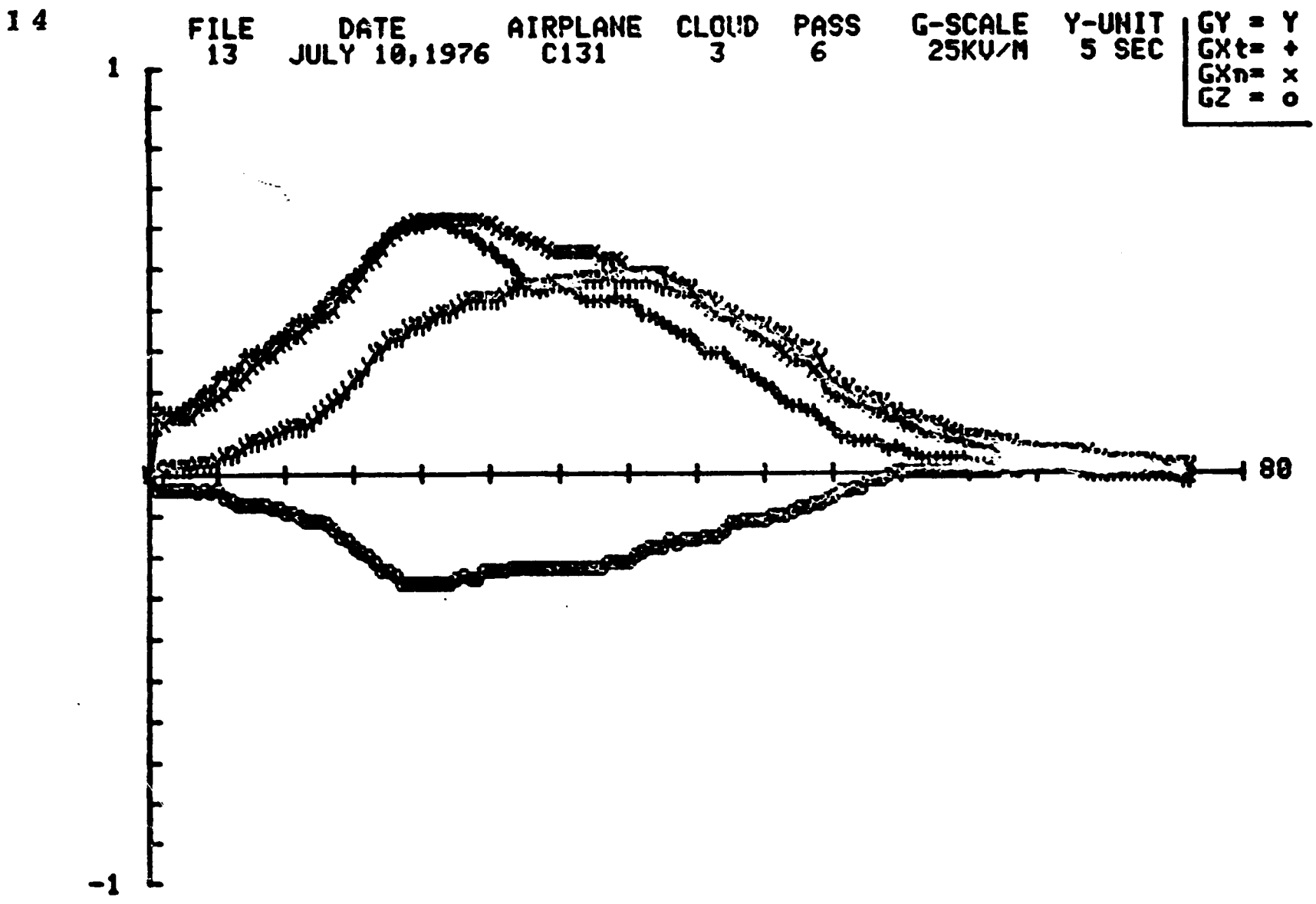
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C131
CLOUD
3
PASS
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Y-UNIT
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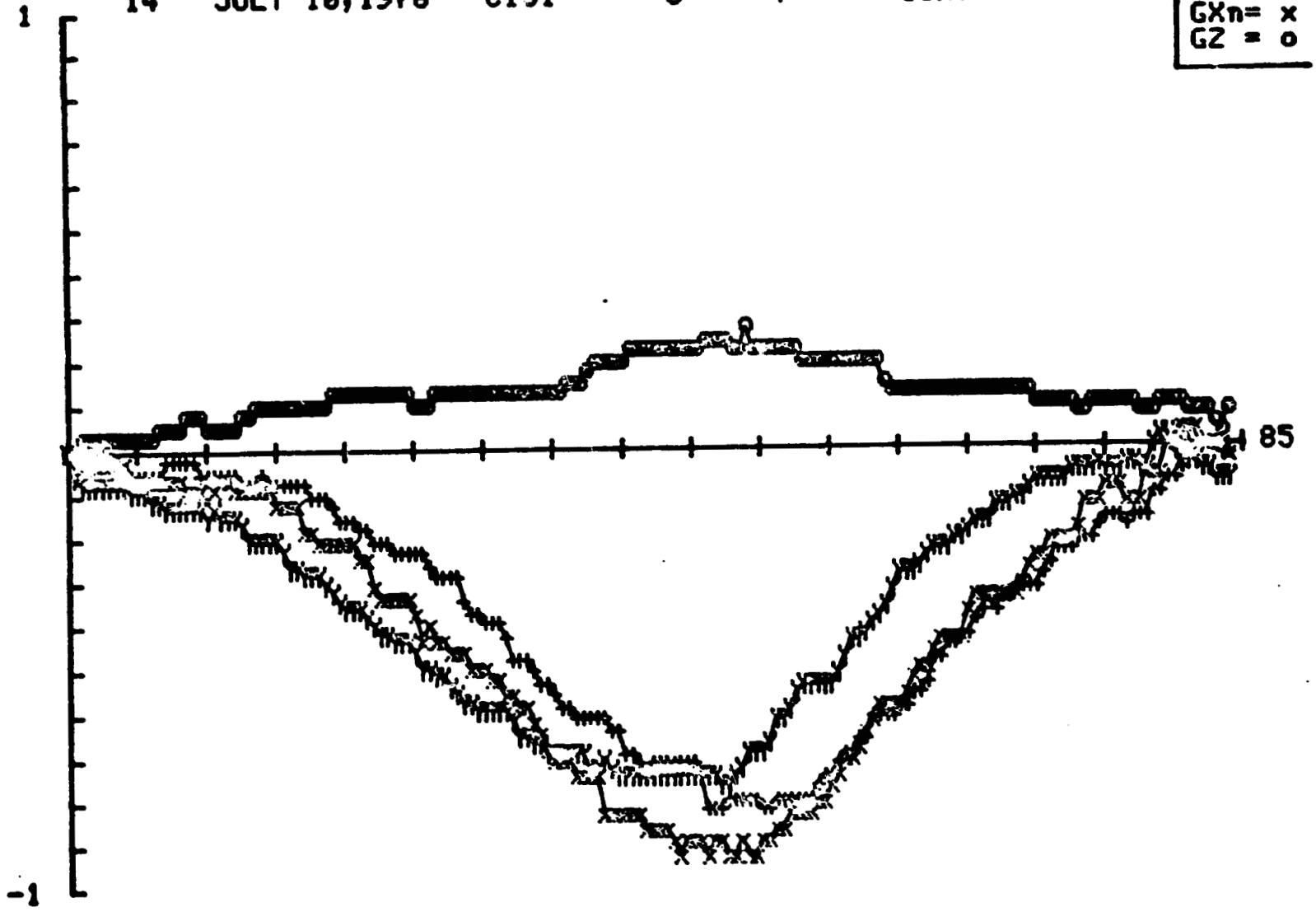
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C131
CLOUD
3
PASS
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Y-UNIT
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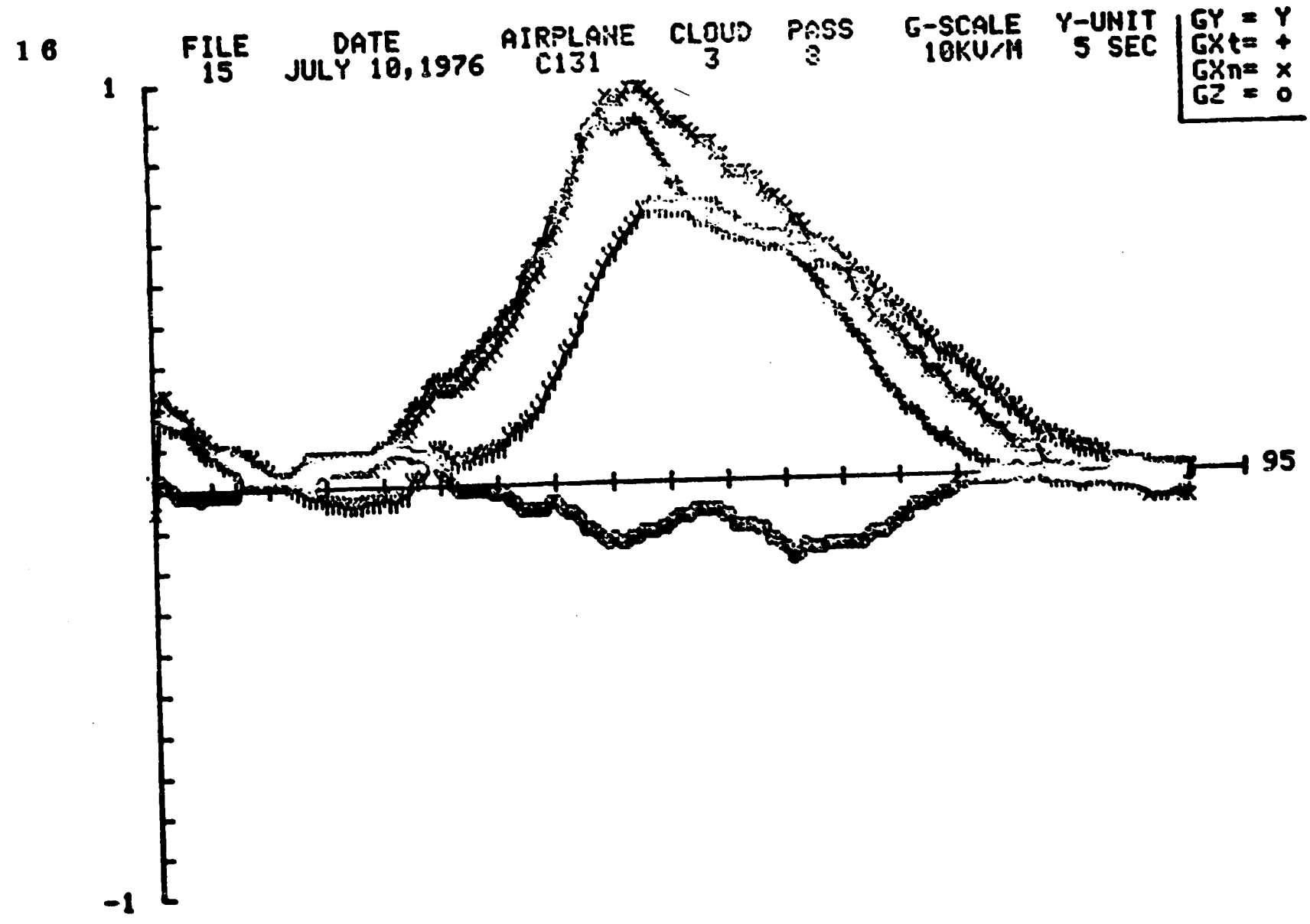
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AIRPLANE
C131
CLOUD
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PASS
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Y-UNIT
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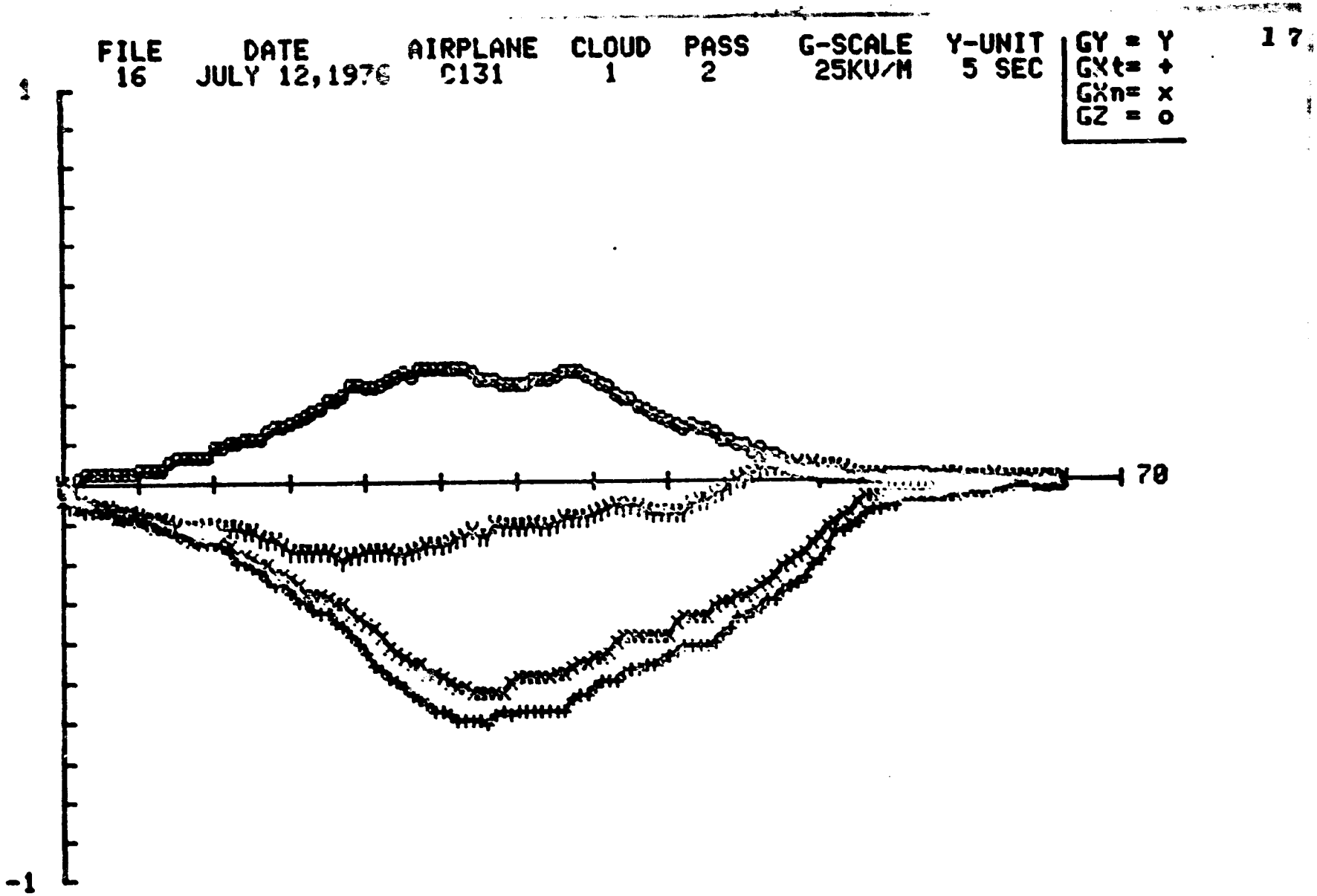
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JULY 12,1976
AIRPLANE
C131
CLOUD
1
PASS
2
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Y-UNIT
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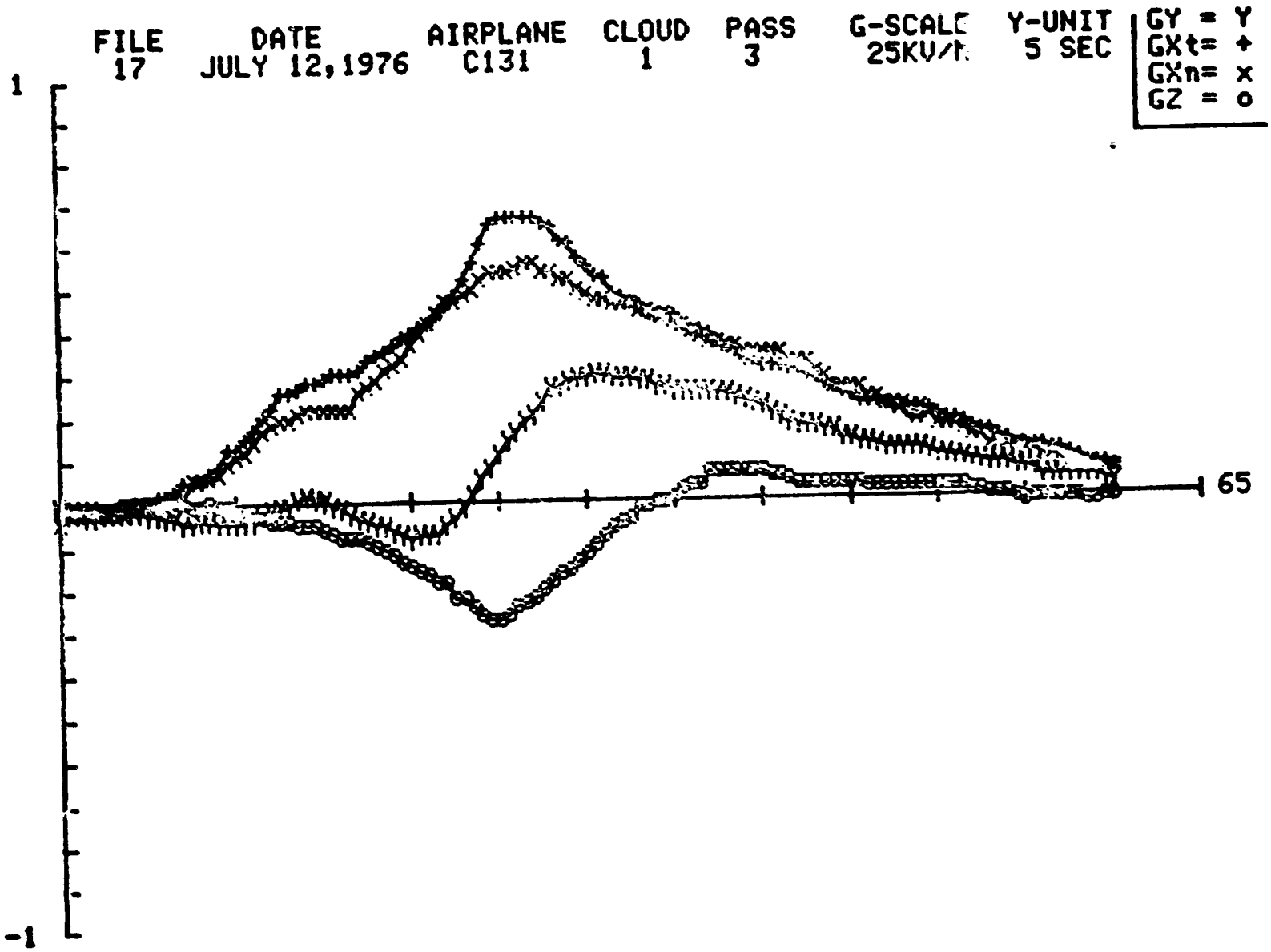
-1
70

18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AIRPLANE
C131
CLOUD
1
PASS
3
G-SCALE
25KV/
Y-UNIT
5 SEC
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GXn= x
GZ = o
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-1
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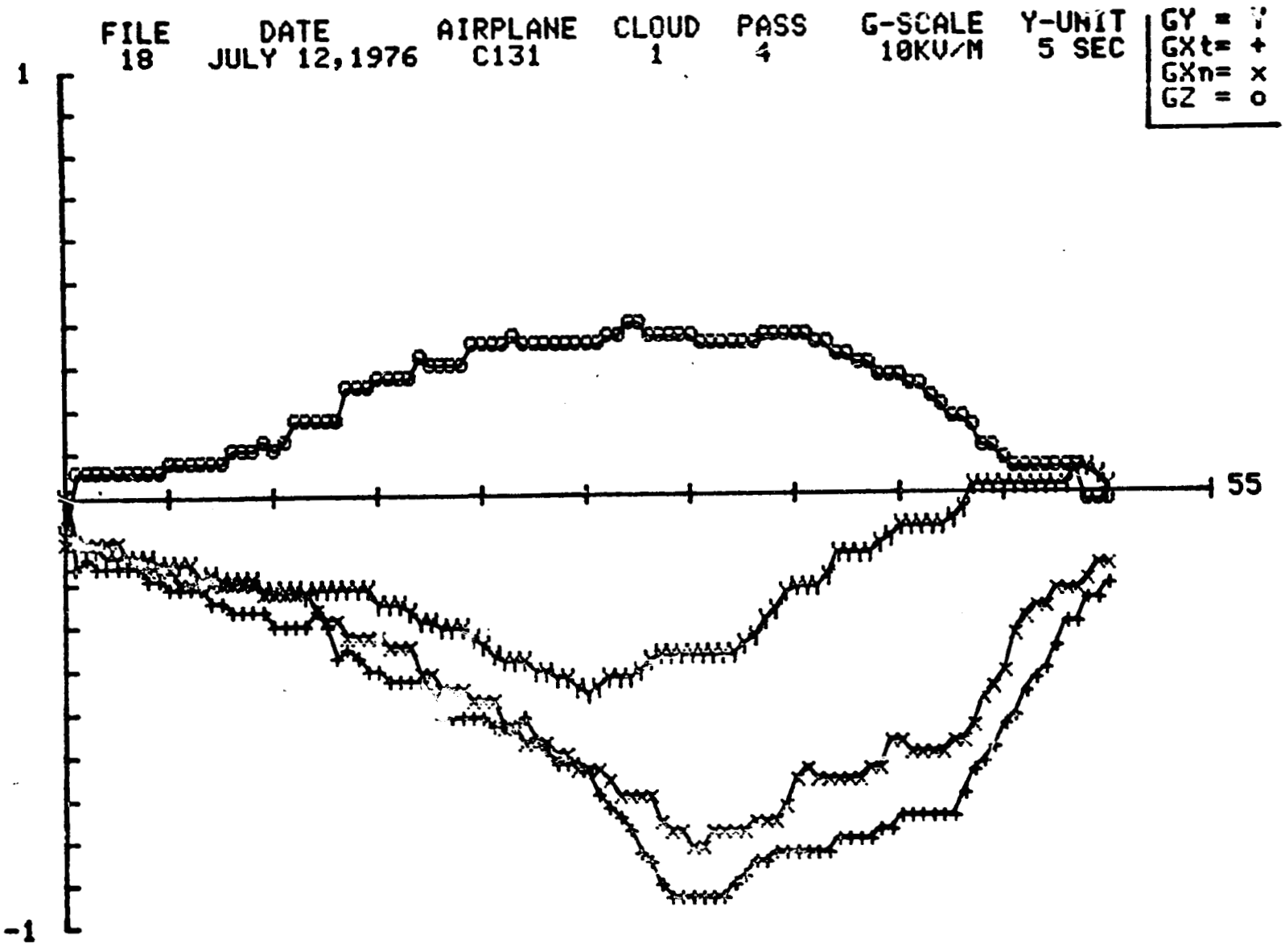
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AIRPLANE C131
CLOUD 1
PASS 4
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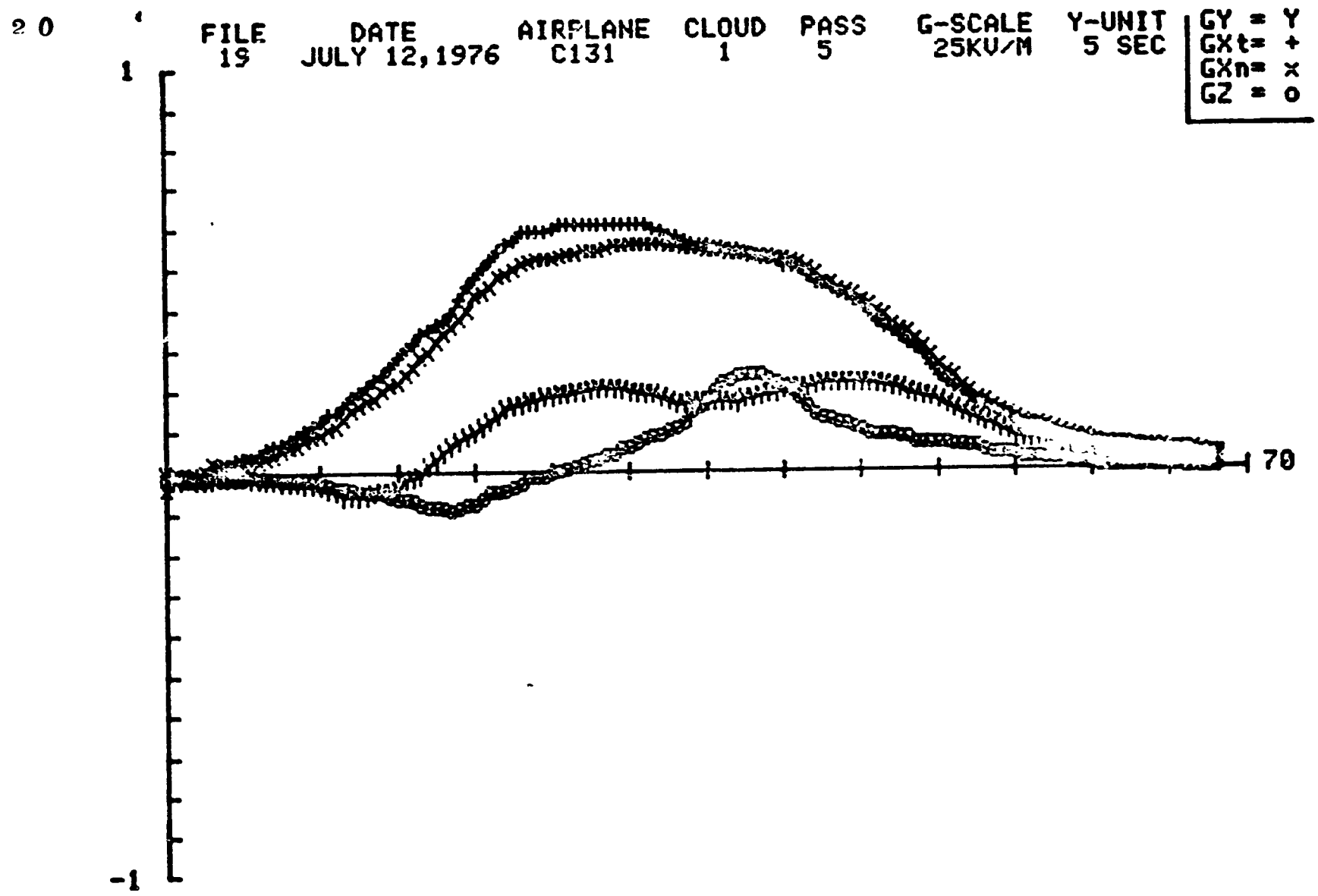
-1
55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FILE
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DATE
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AIRPLANE
C131
CLOUD
1
PASS
5
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Y-UNIT
5 SEC
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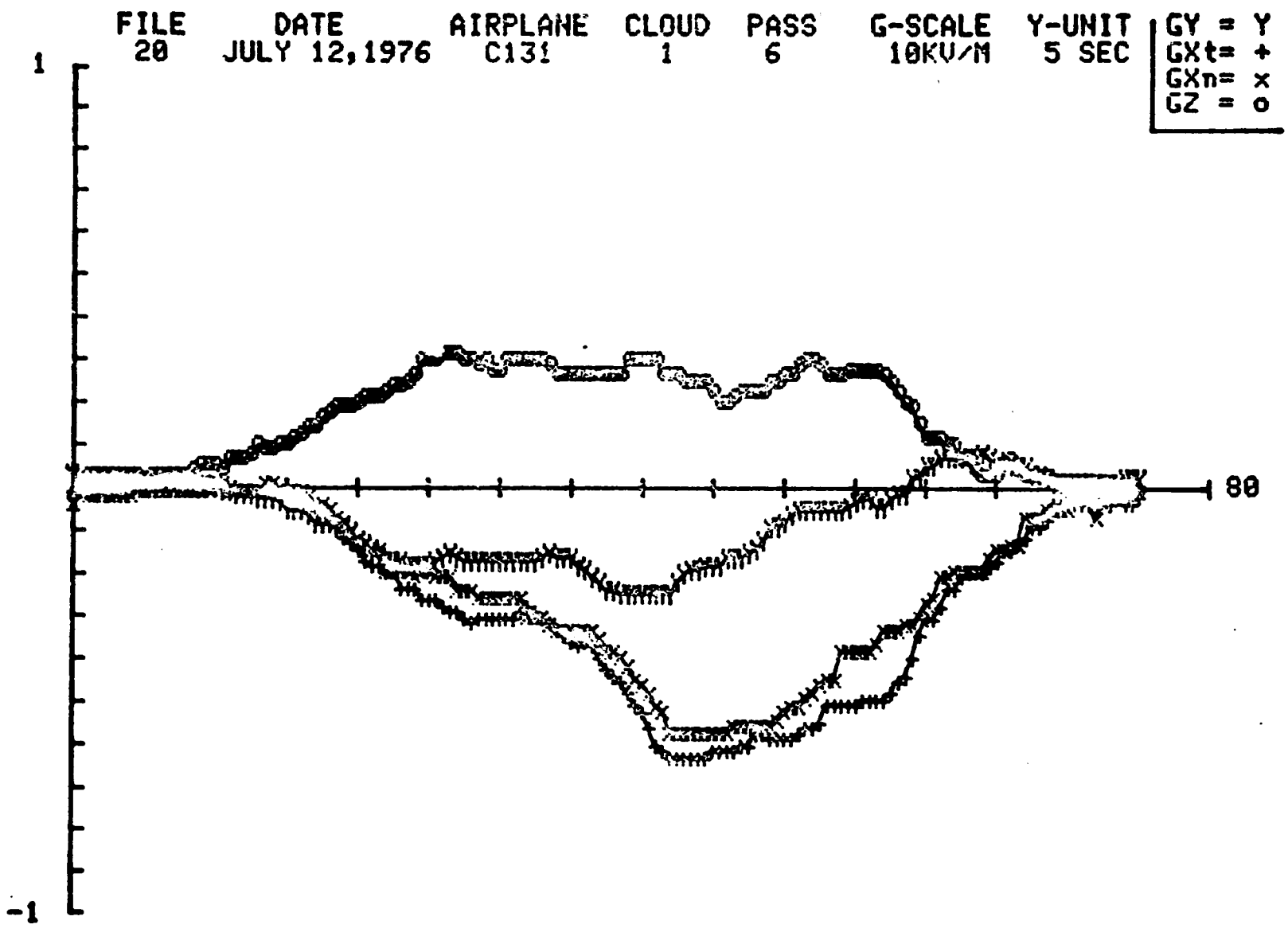
70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C131
CLOUD
1
PASS
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Y-UNIT
5 SEC
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1
-1
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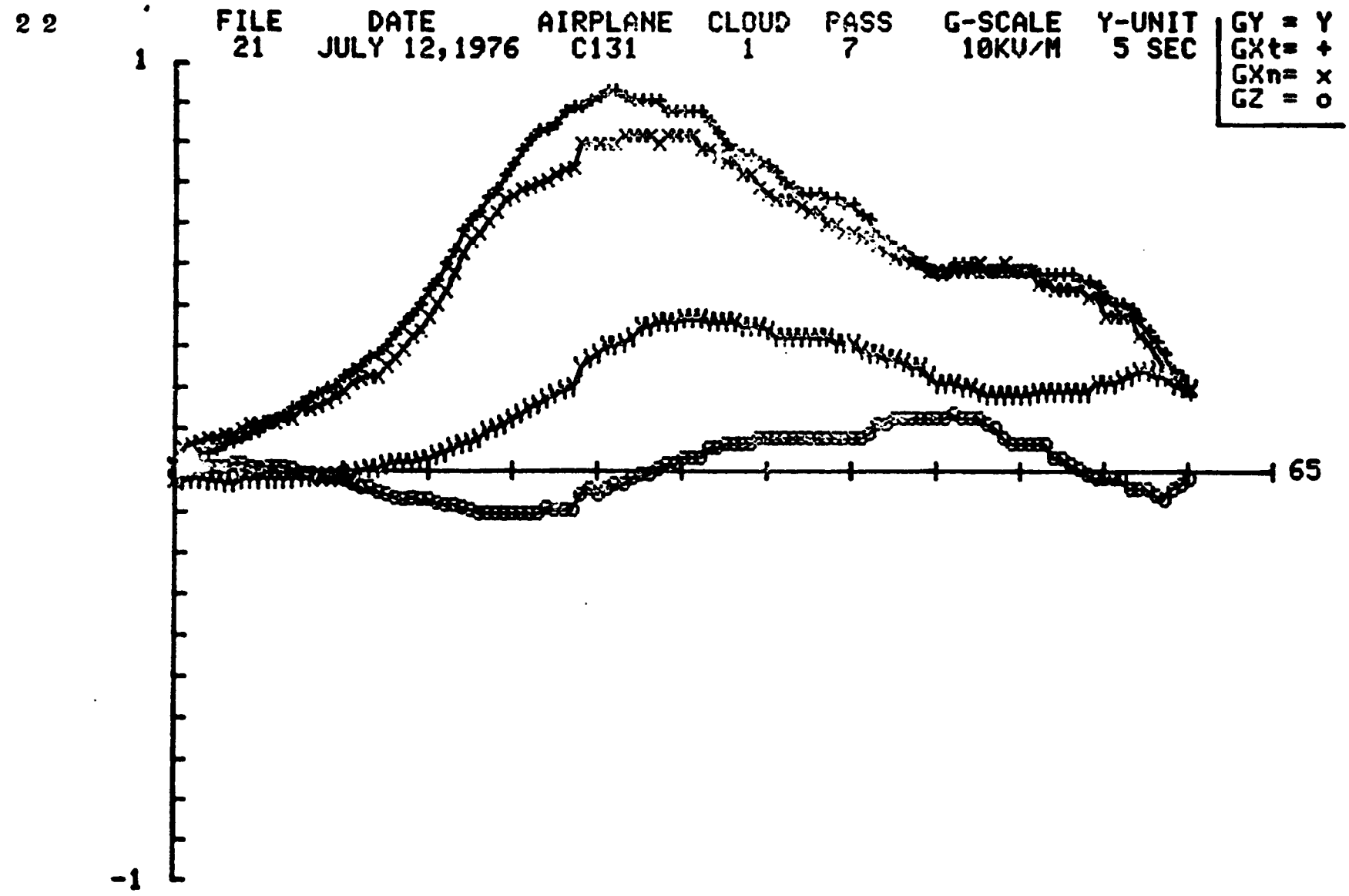
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FILE
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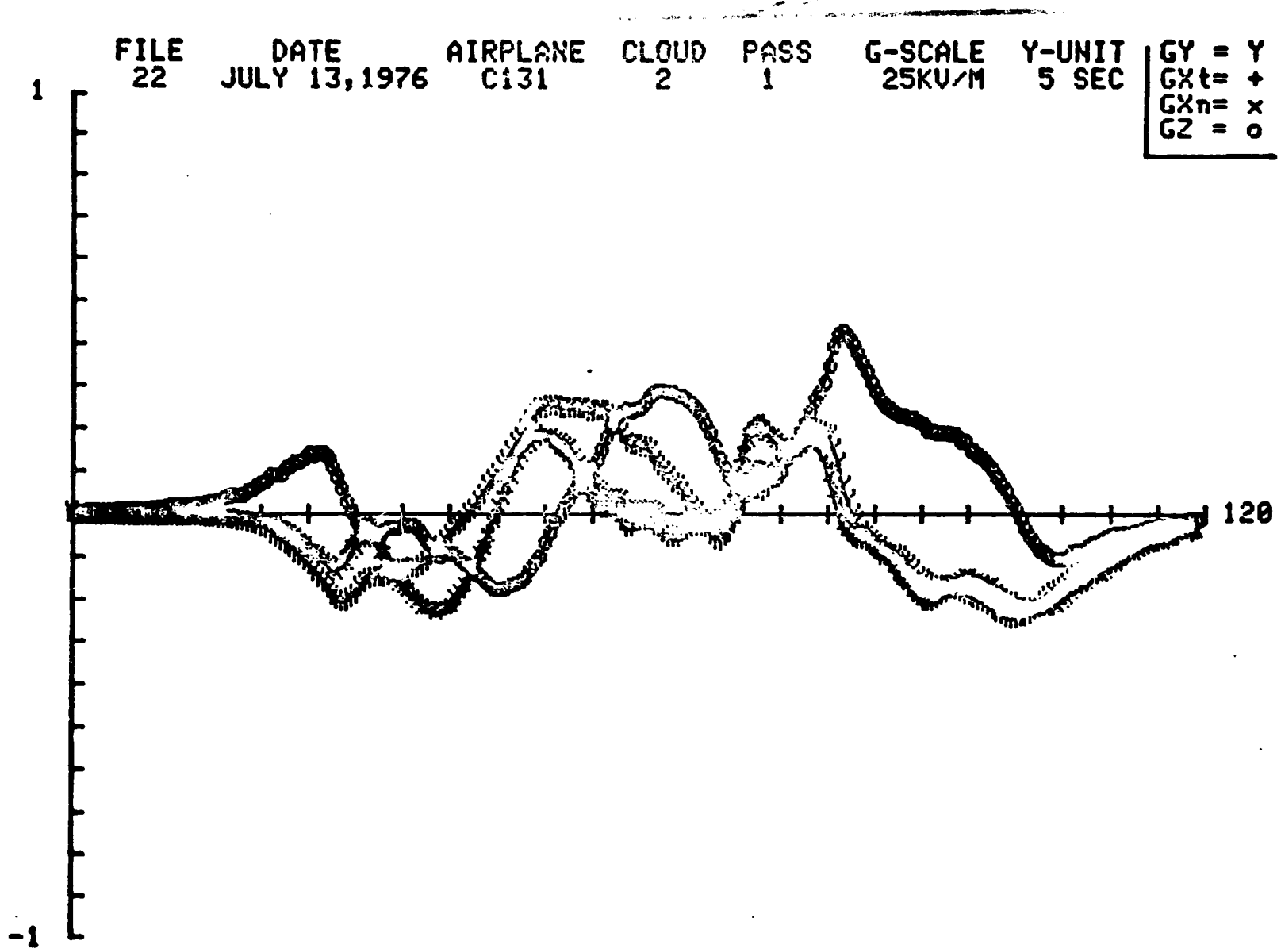
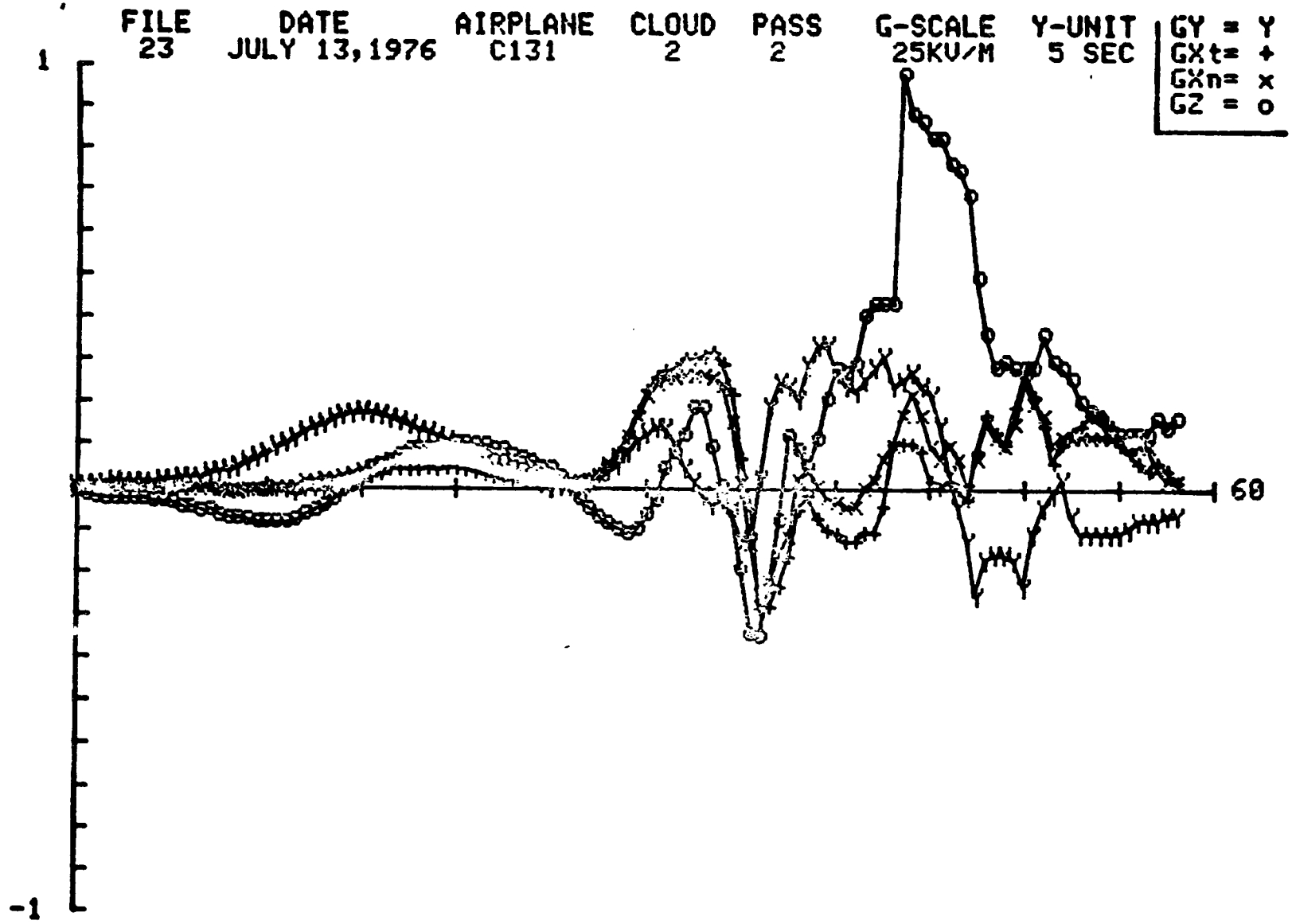
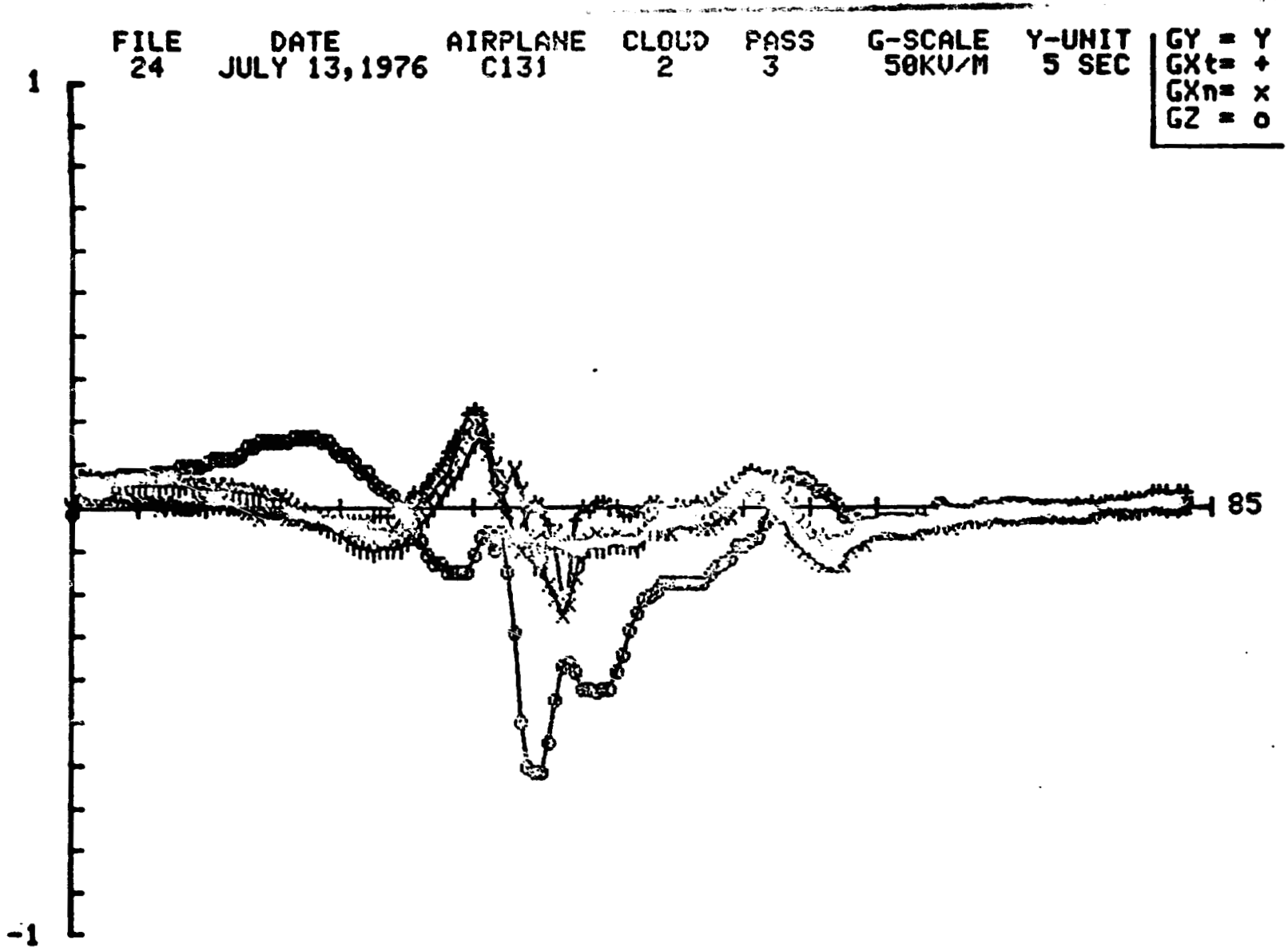
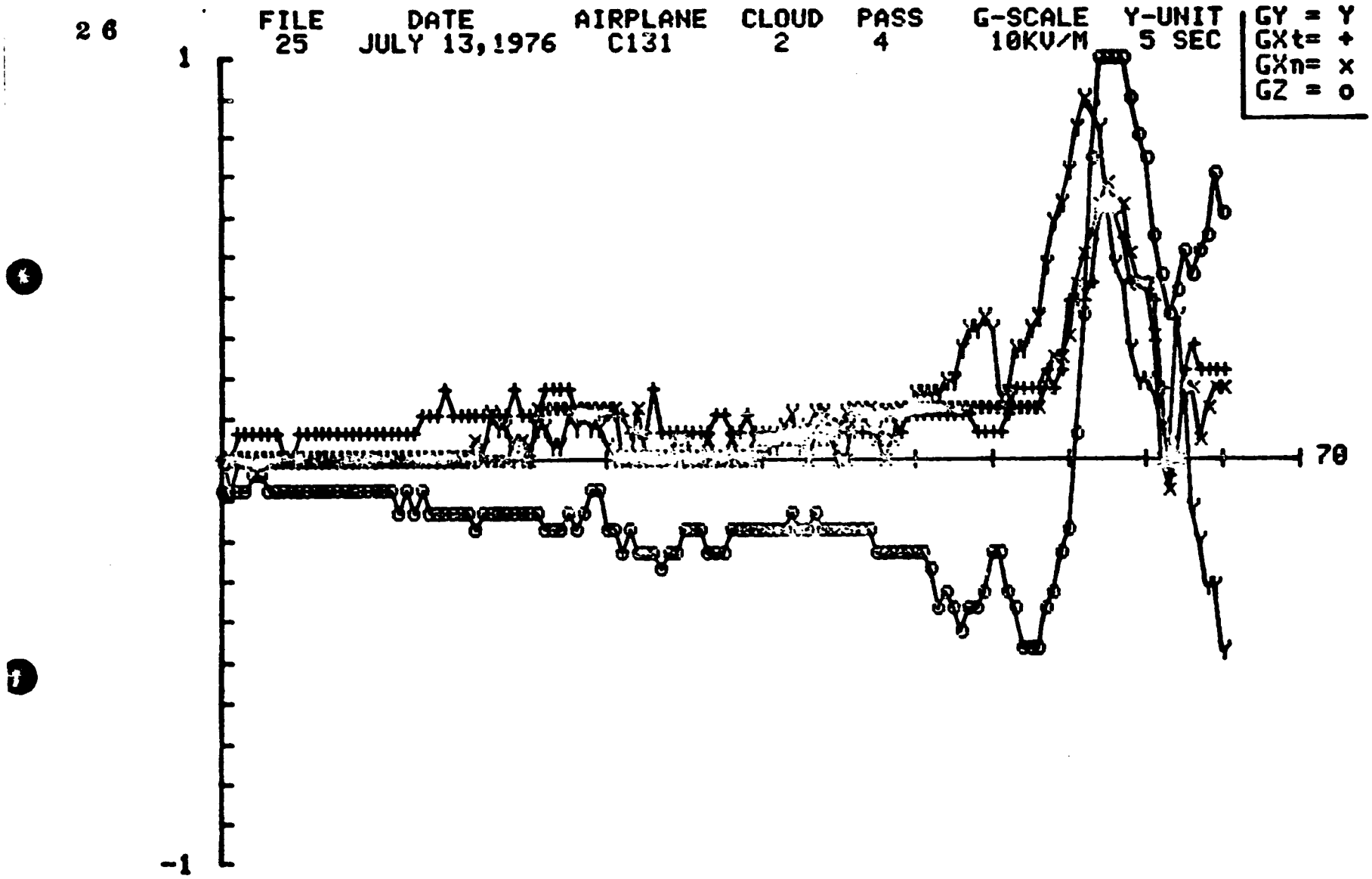
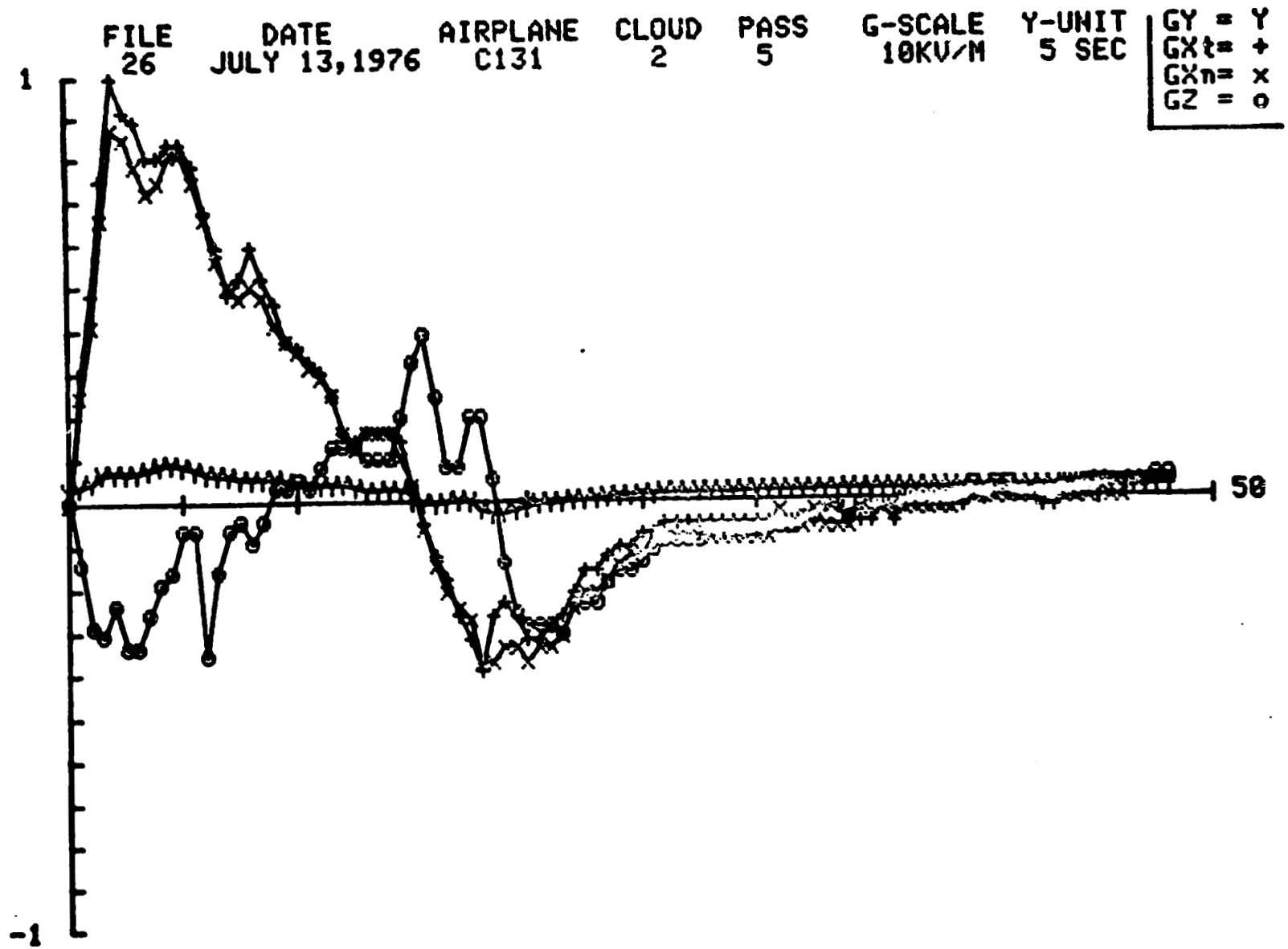
DATE
JULY 12,1976
AIRPLANE
C131
CLOUD
1
PASS
7
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

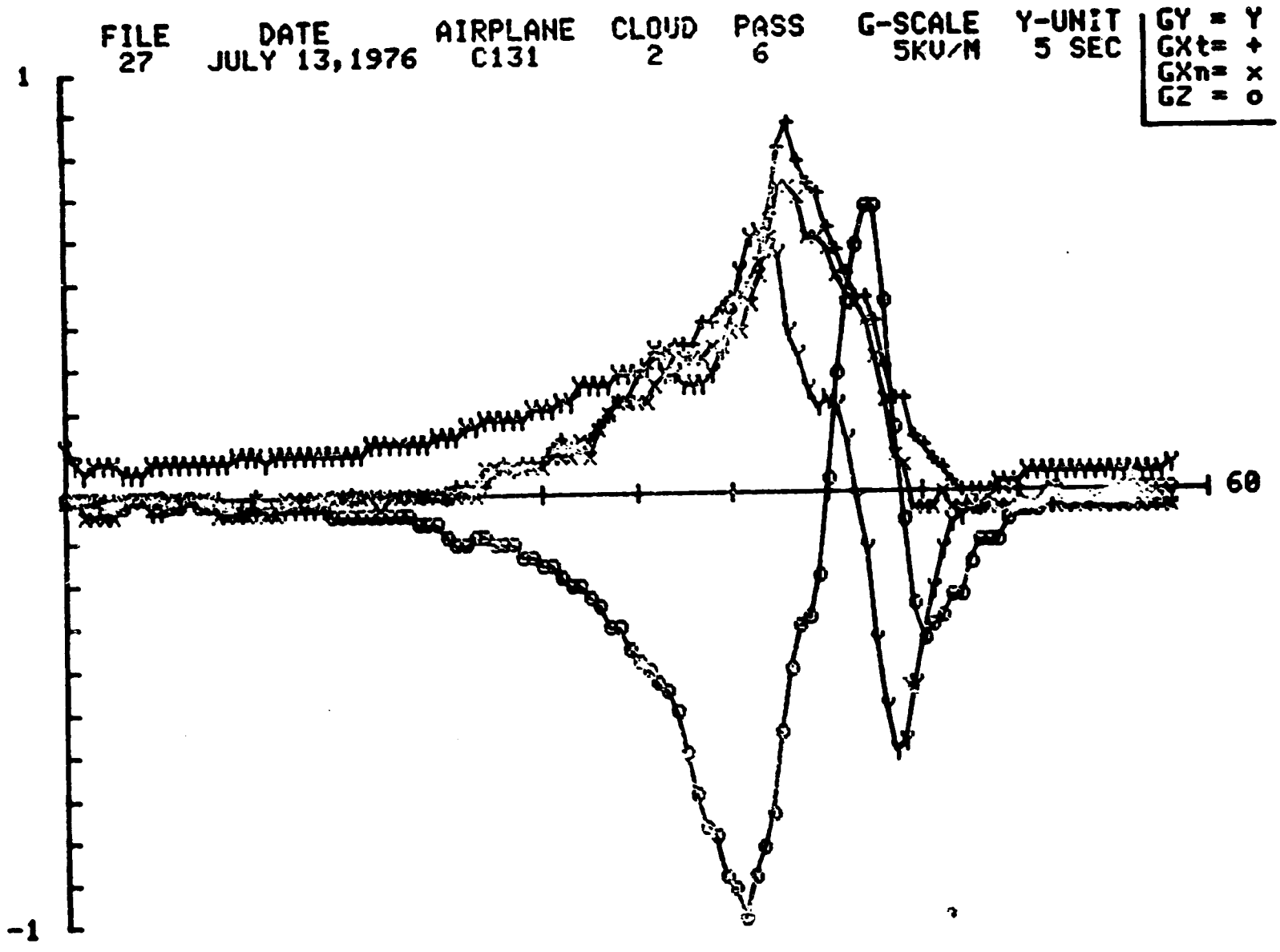

FILE
22
DATE
JULY 13, 1976
AIRPLANE
C131
CLOUD
2
PASS
1
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
120

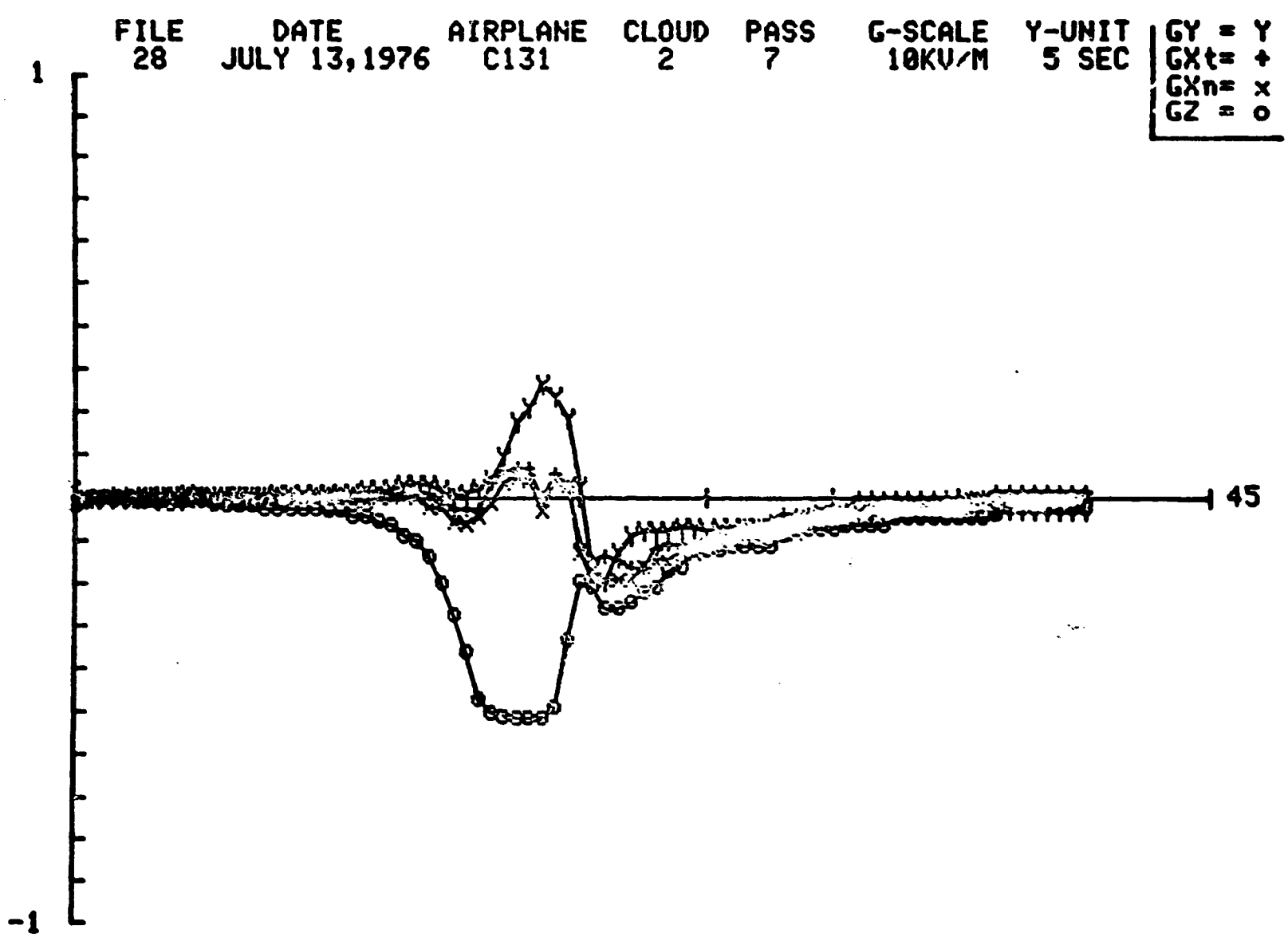

FILE
23
DATE
JULY 13, 1976
AIRPLANE
C131
CLOUD
2
PASS
2
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

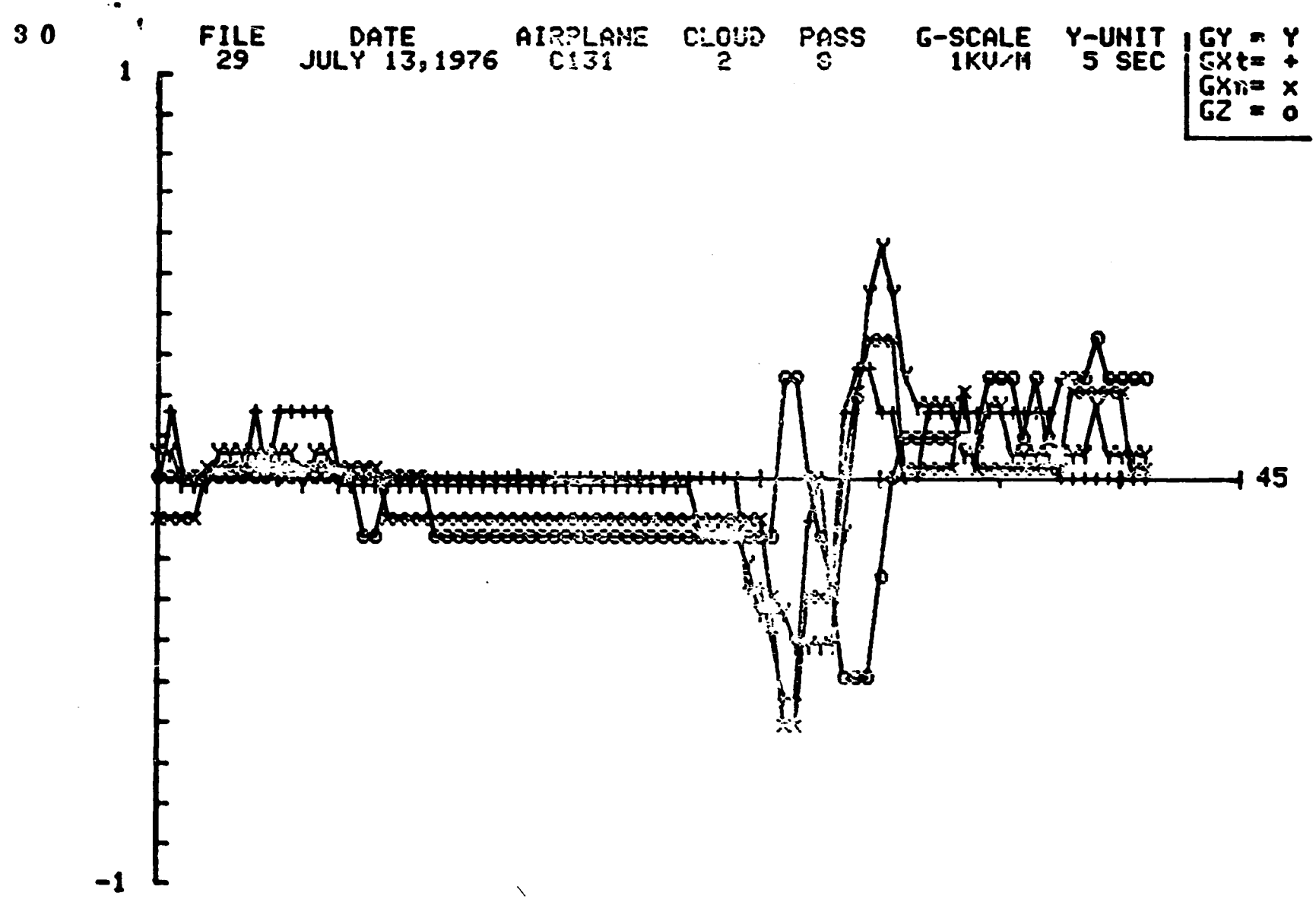

FILE
24
DATE
JULY 13, 1976
AIRPLANE
C131
CLOUD
2
PASS
3
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
25
1
-1
85

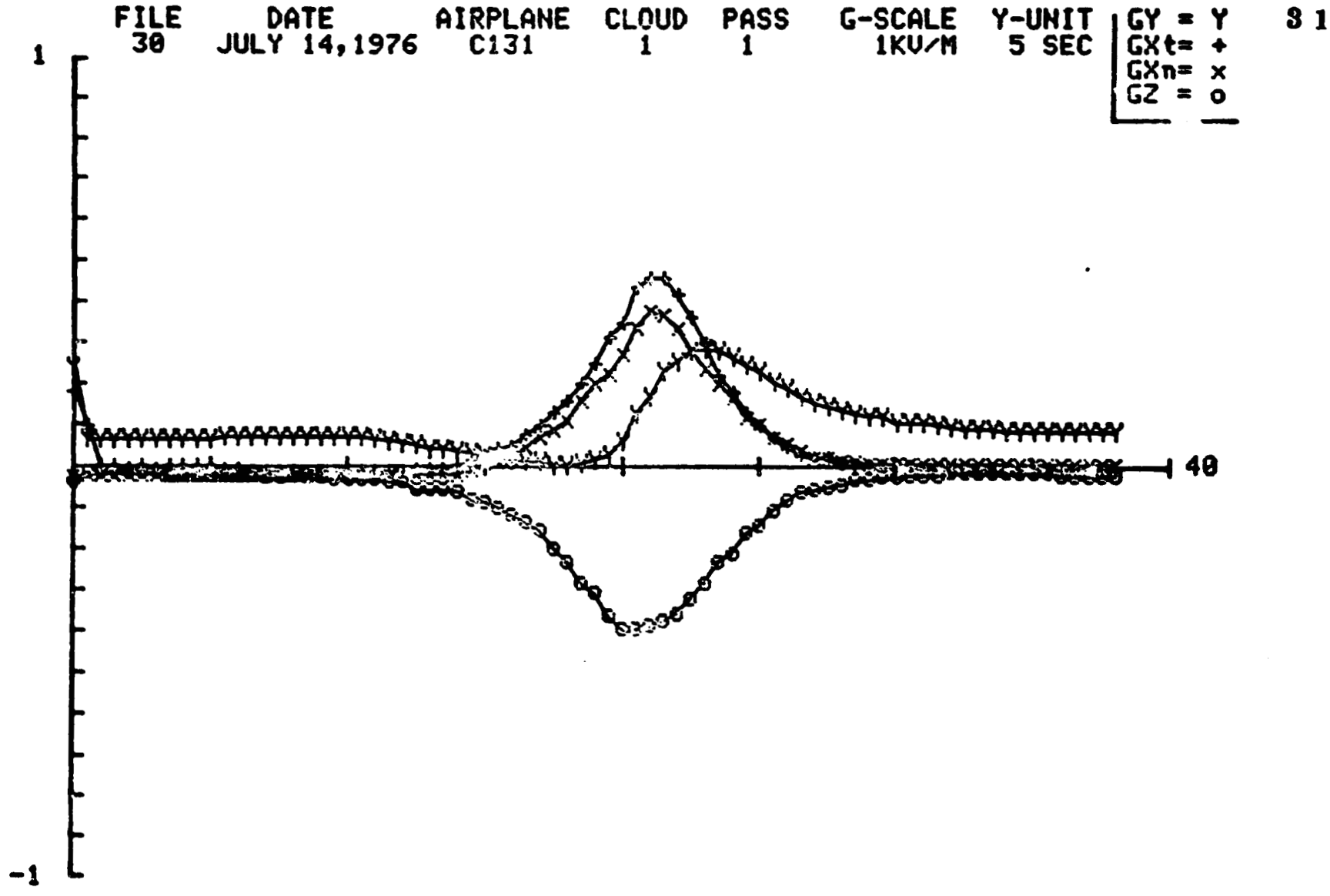

FILE 25
DATE JULY 13, 1976
AIRPLANE C131
CLOUD 2
PASS 4
G-SCALE 10KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

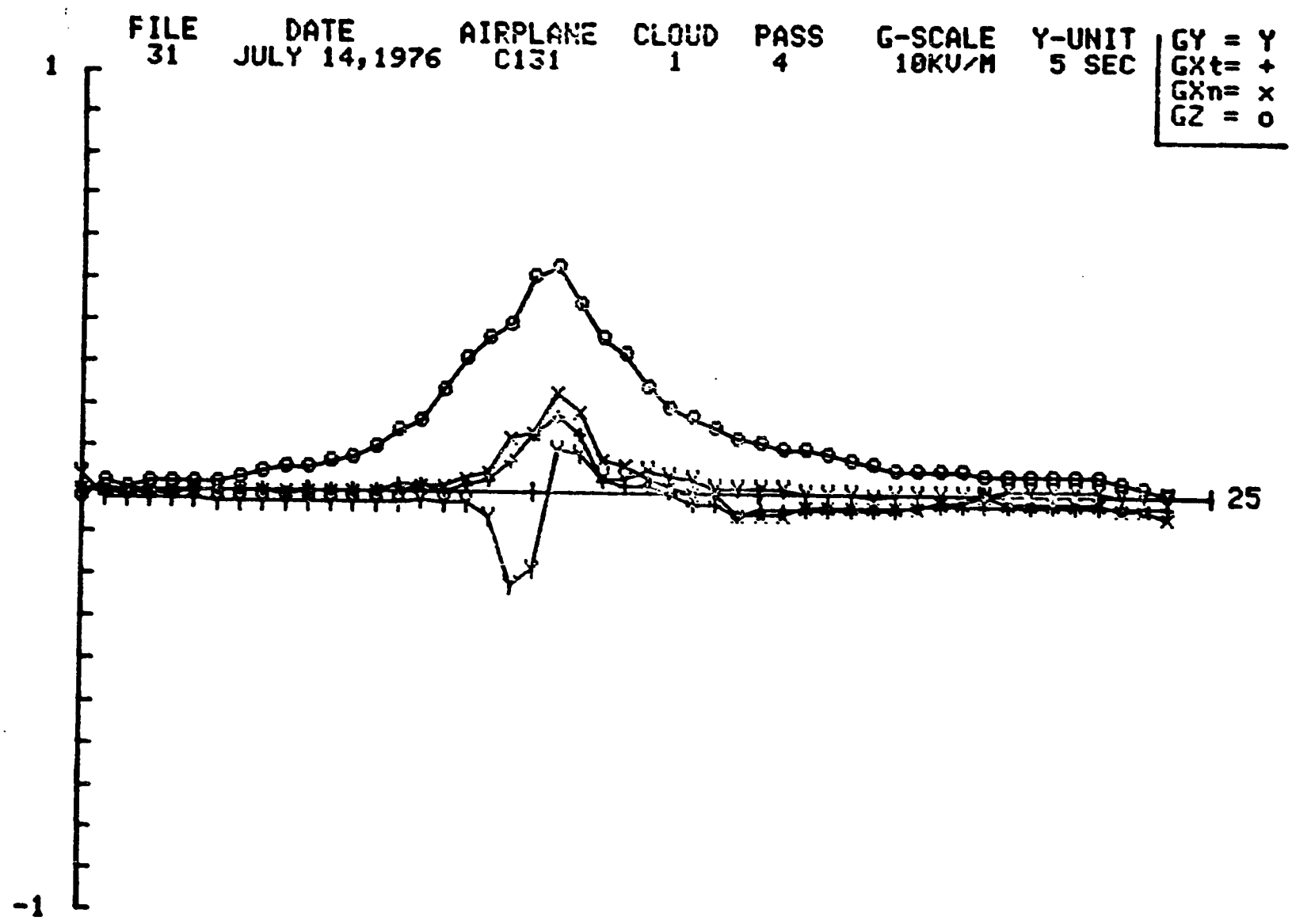

FILE
26
DATE
JULY 13,1976
AIRPLANE
C131
CLOUD
2
PASS
5
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

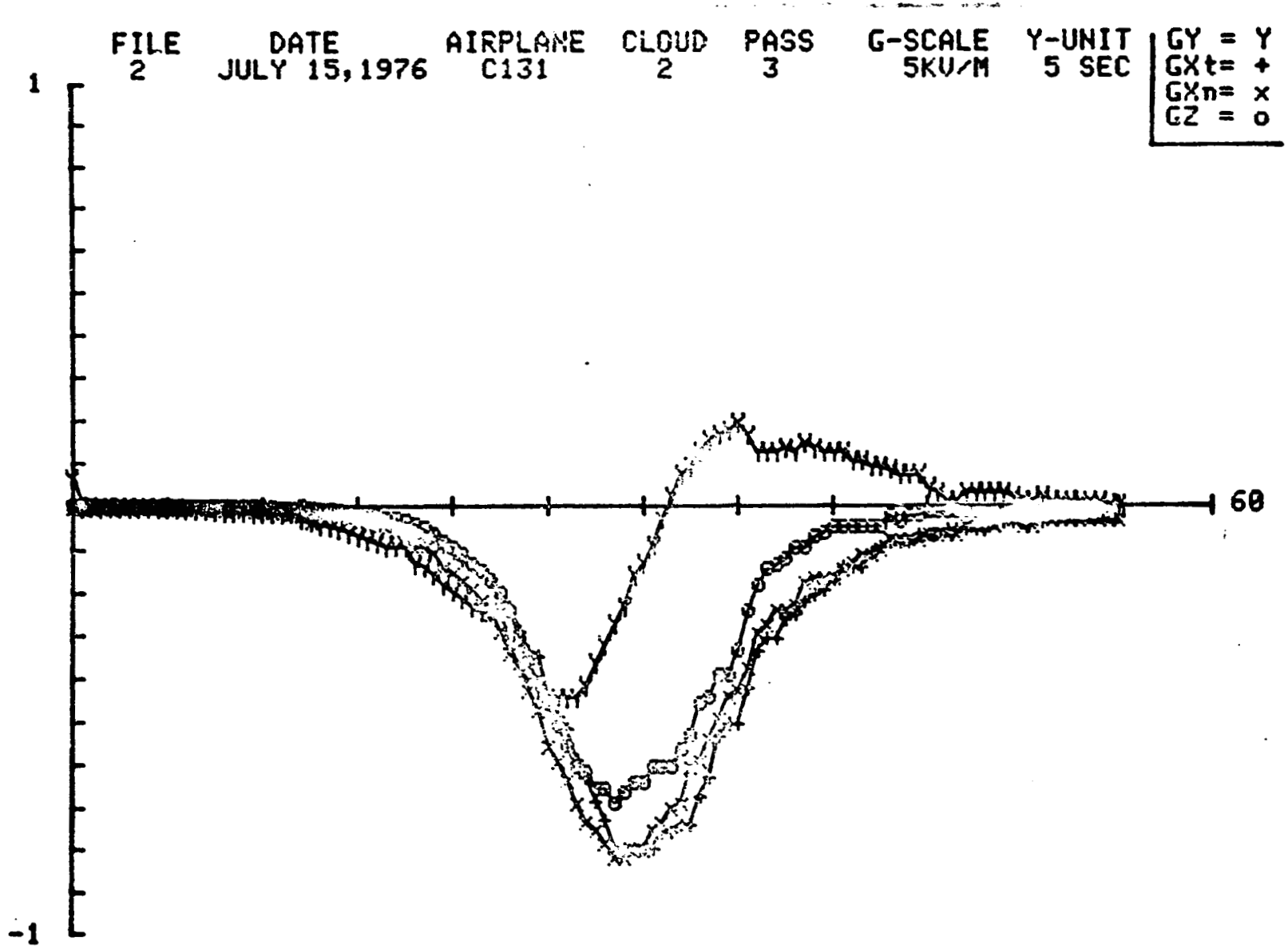

28
FILE
27
DATE
JULY 13, 1976
AIRPLANE
C131
CLOUD
2
PASS
6
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60


FILE
28
DATE
JULY 13,1976
AIRPLANE
C131
CLOUD
2
PASS
7
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

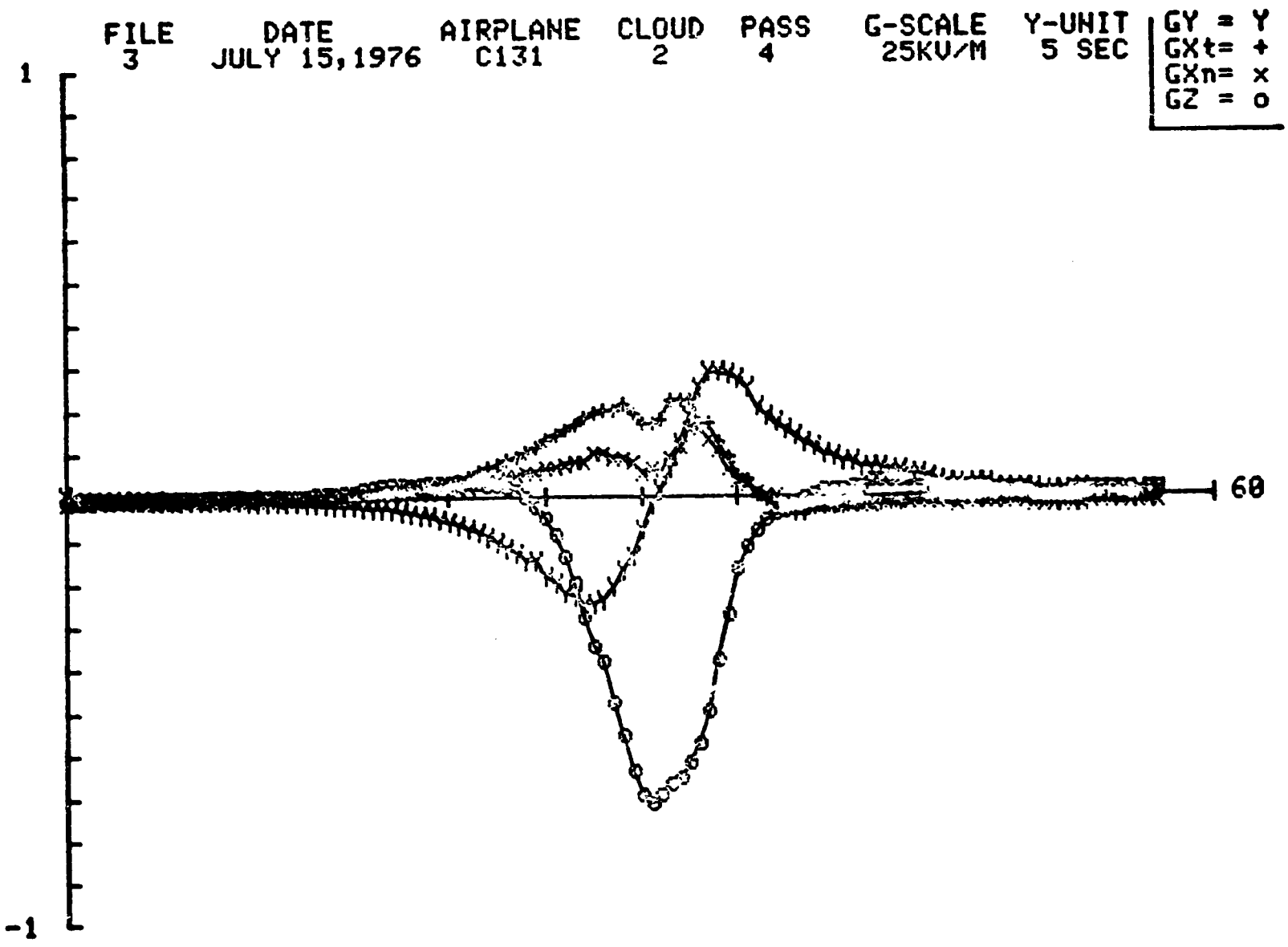

30
FILE
29
DATE
JULY 13,1976
AIRPLANE
C131
CLOUD
2
PASS
8
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

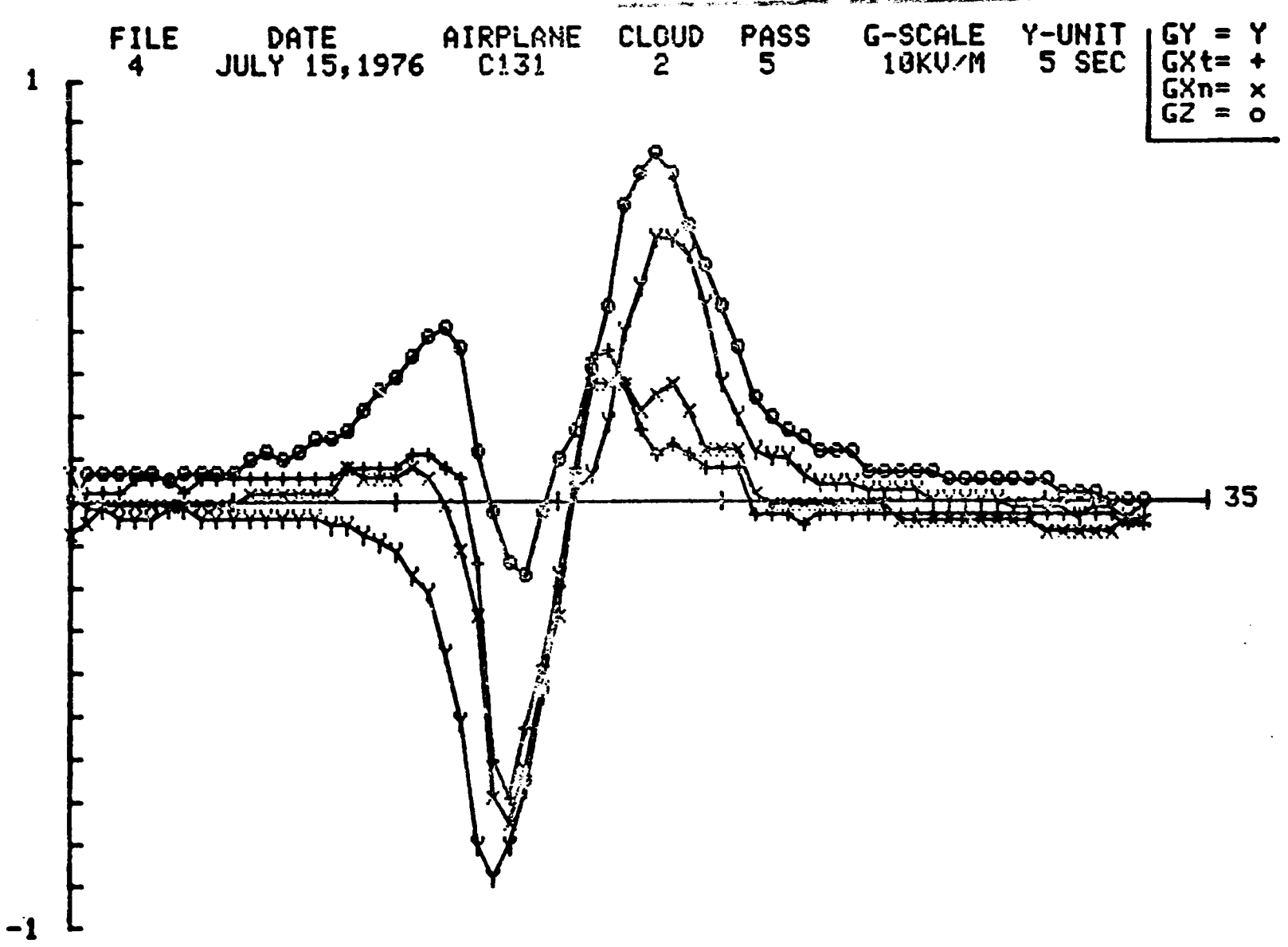

FILE
30
DATE
JULY 14,1976
AIRPLANE
C131
CLOUD
1
PASS
1
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
3 1
1
-1
40

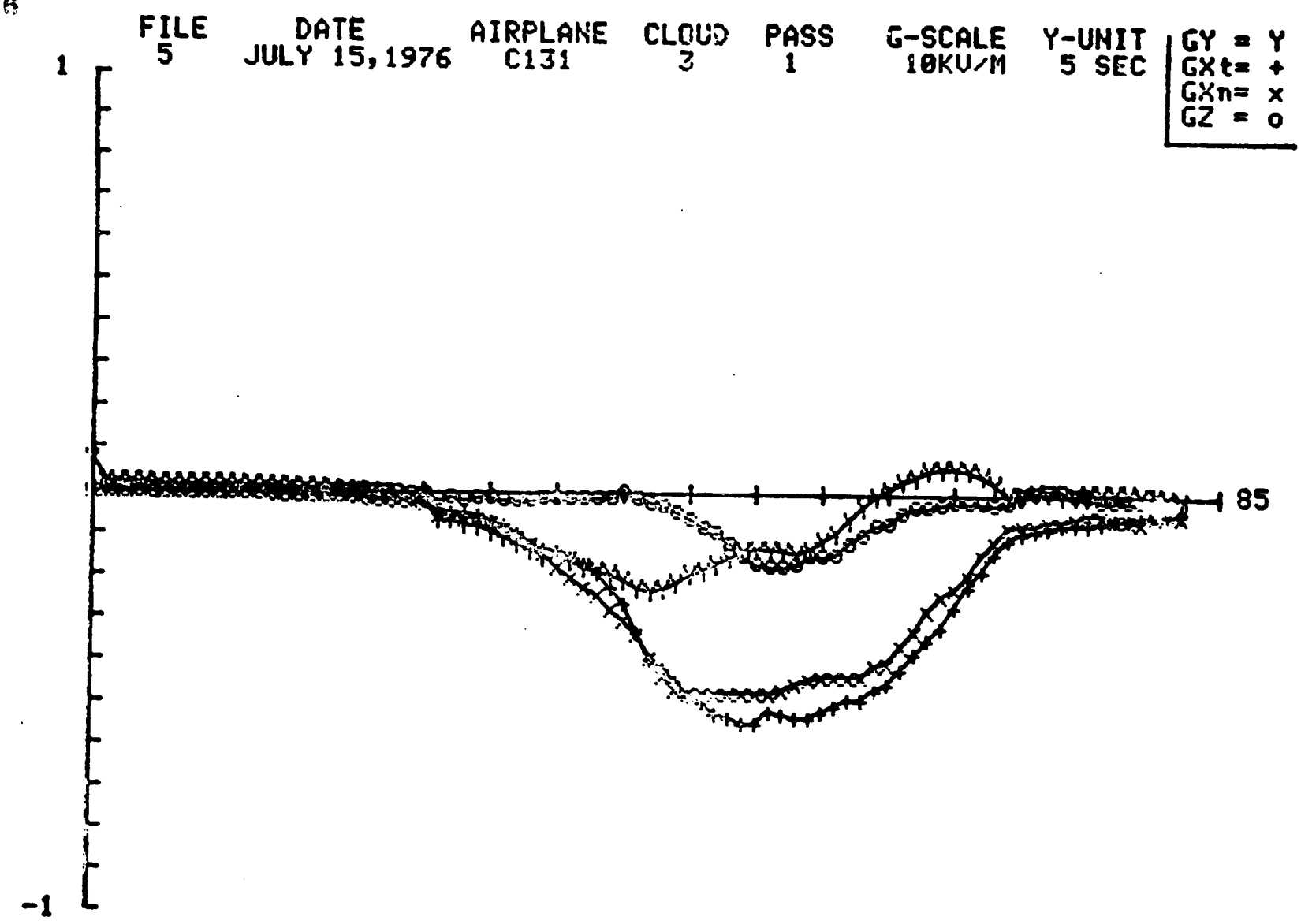

32
FILE
31
DATE
JULY 14,1976
AIRPLANE
C131
CLOUD
1
PASS
4
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
25

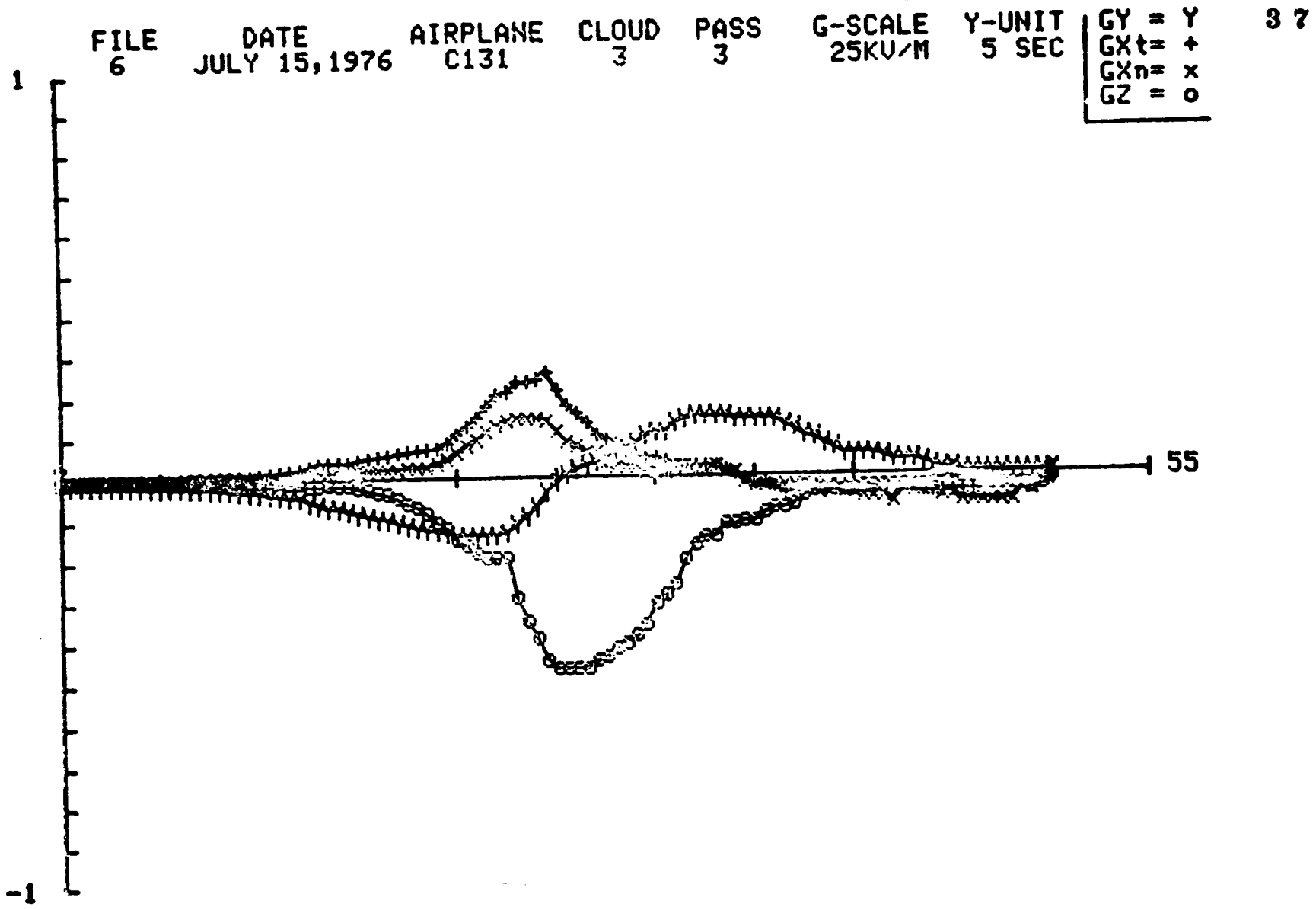

FILE
2
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
2
PASS
3
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

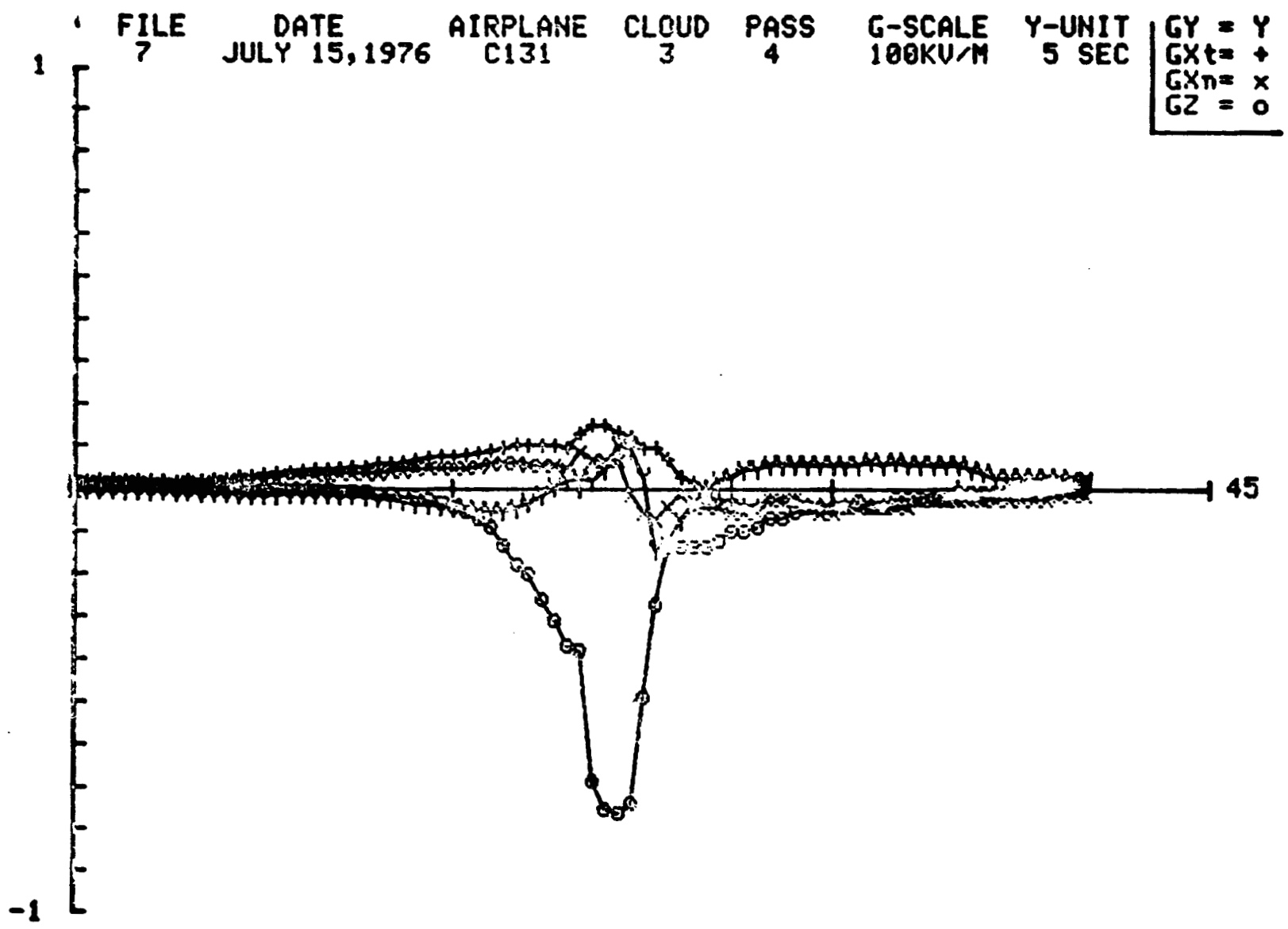
34

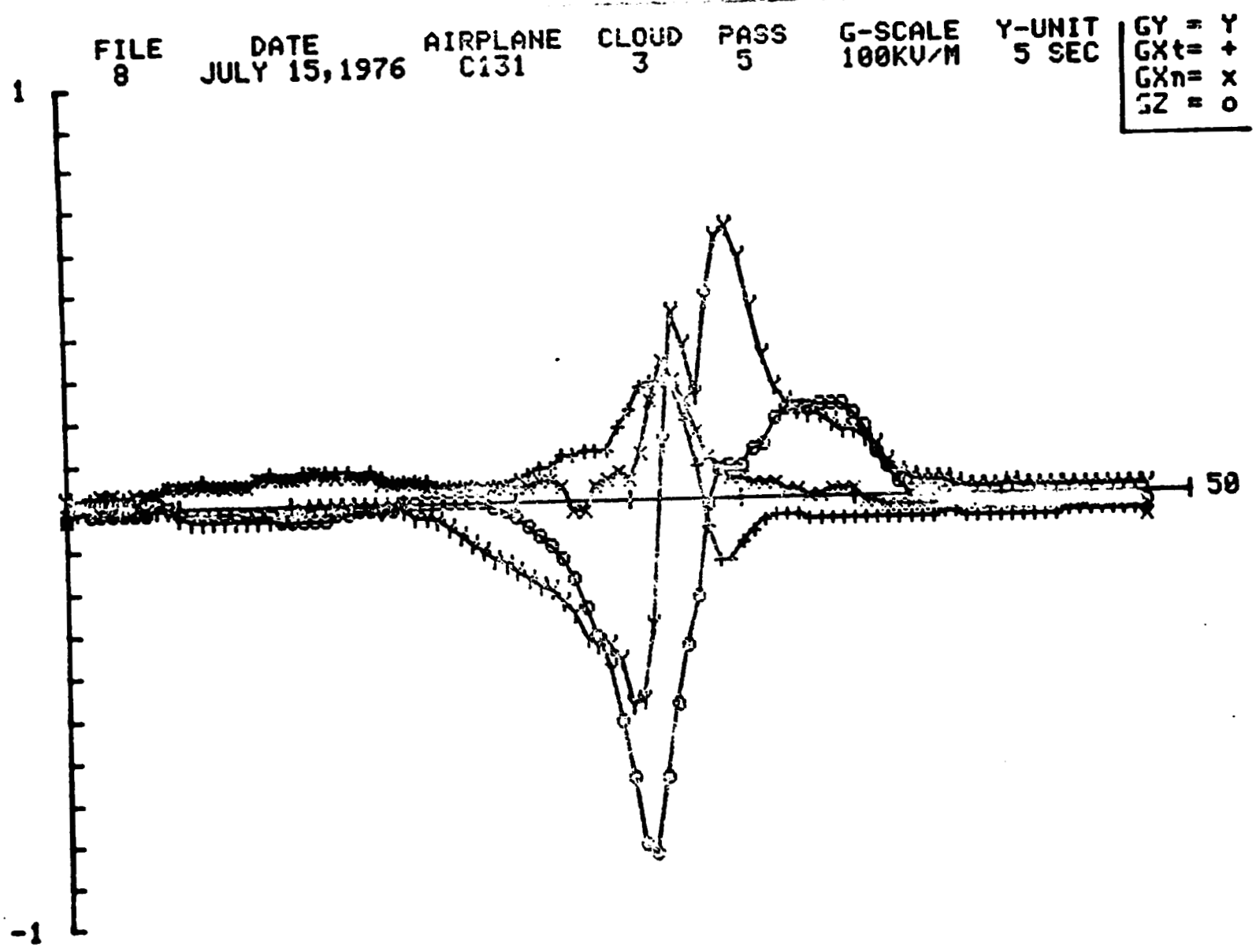

FILE
3
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
2
PASS
4
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

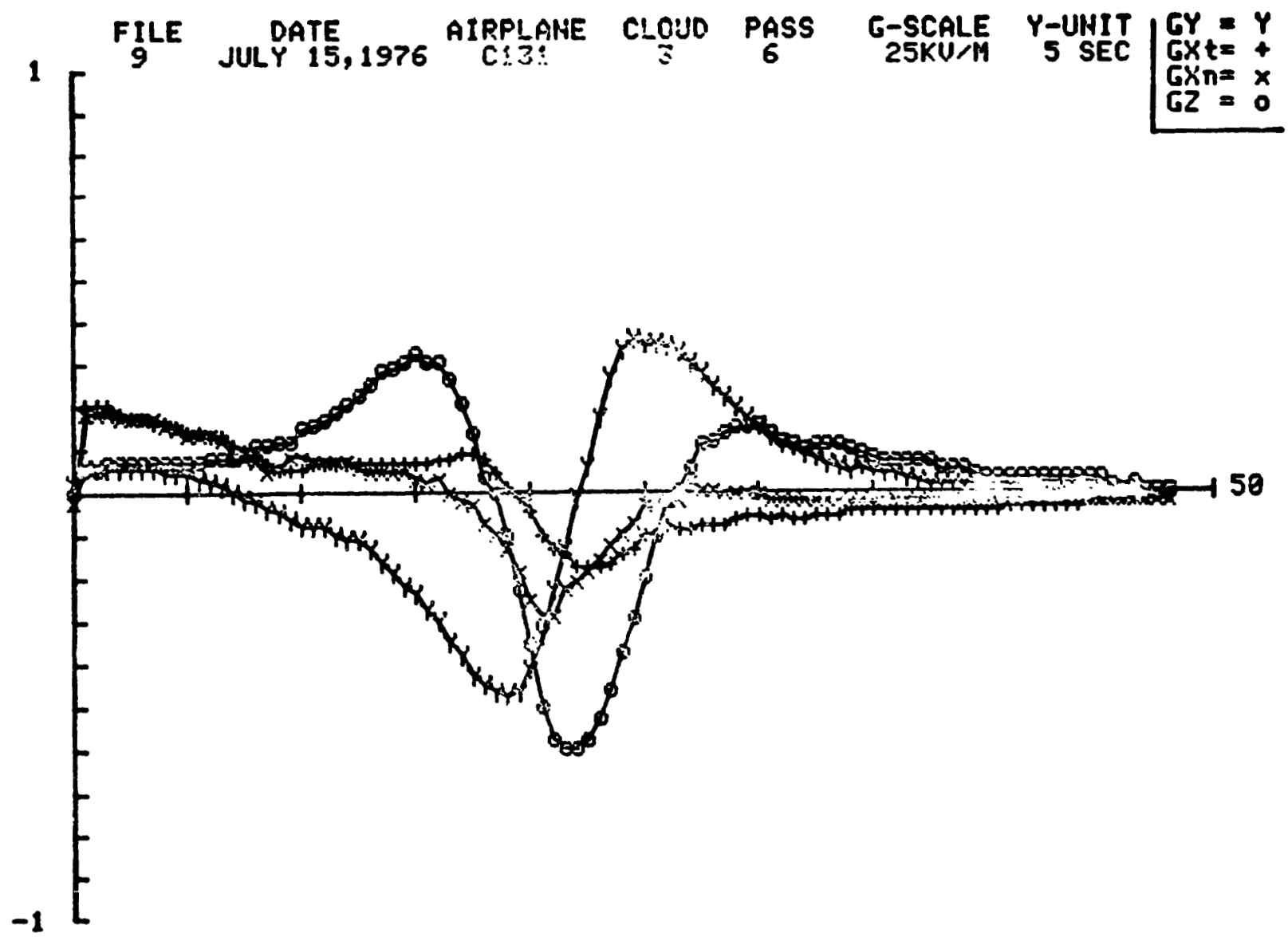

FILE
4
DATE
JULY 15,1976
AIRPLANE
C131
CLOUD
2
PASS
5
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
35

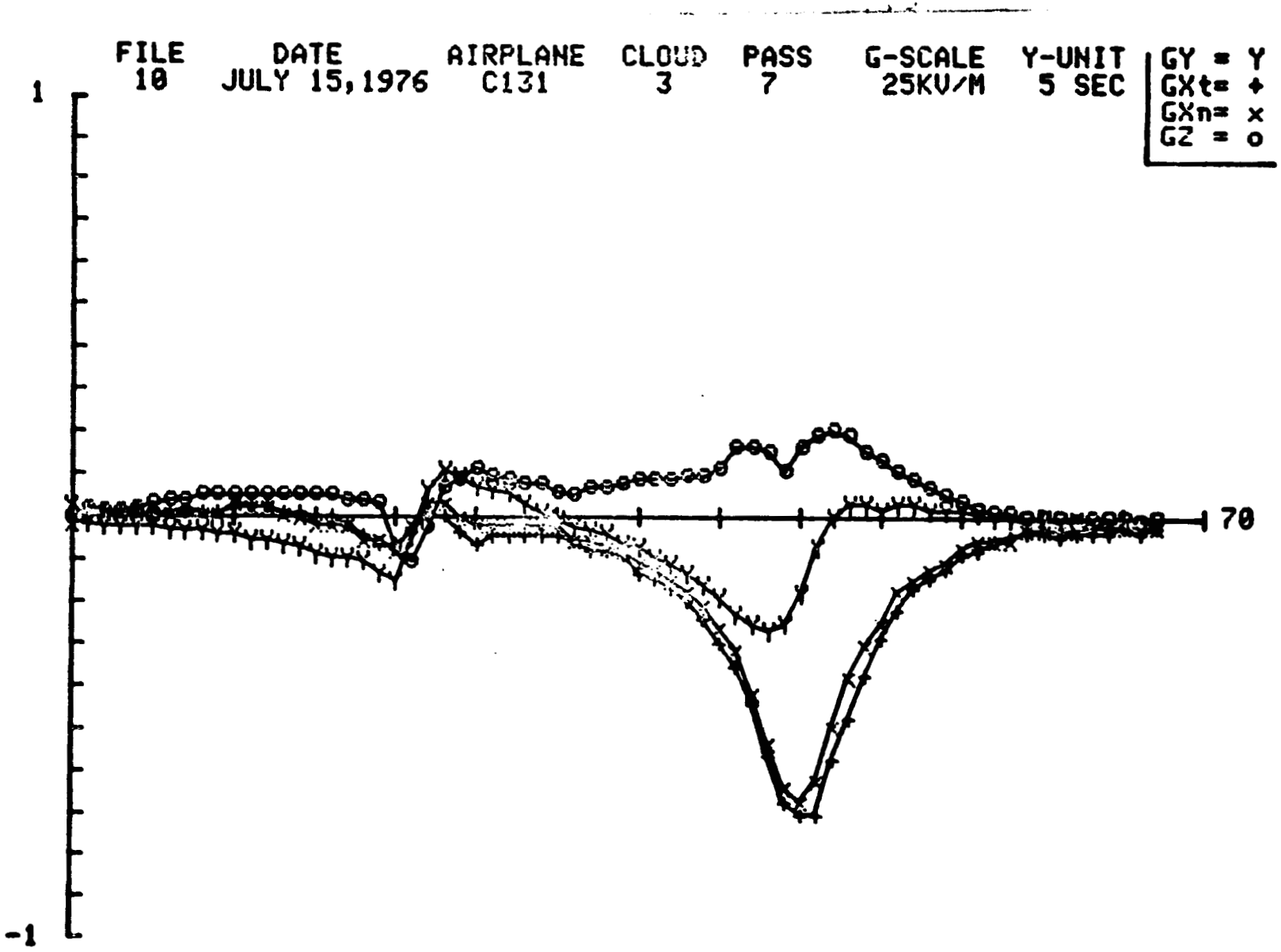

FILE
5
DATE
JULY 15,1976
AIRPLANE
C131
CLOUD
3
PASS
1
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
85


FILE
6
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
3
PASS
3
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

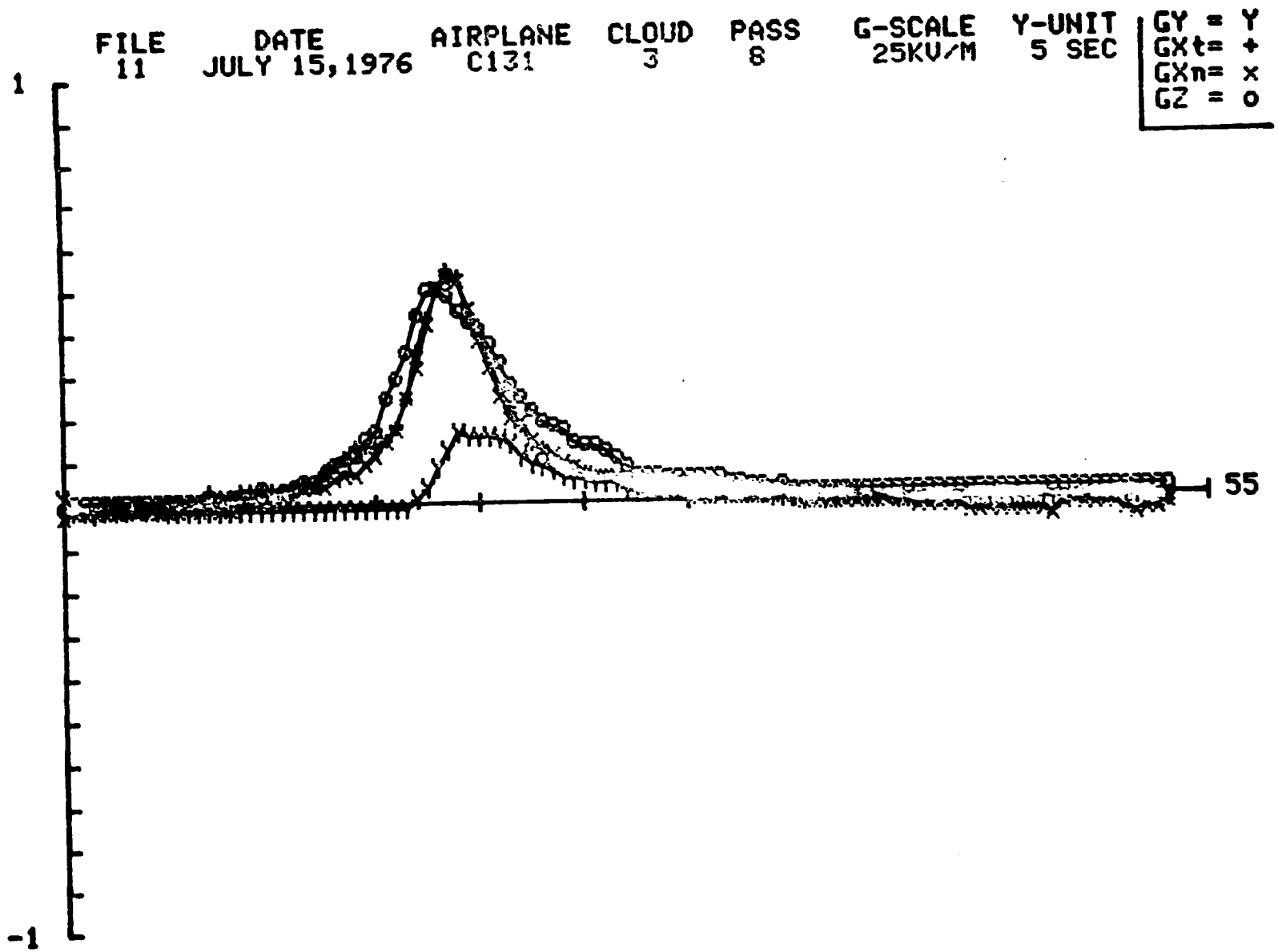

38
FILE
7
DATE
JULY 15,1976
AIRPLANE
C131
CLOUD
3
PASS
4
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

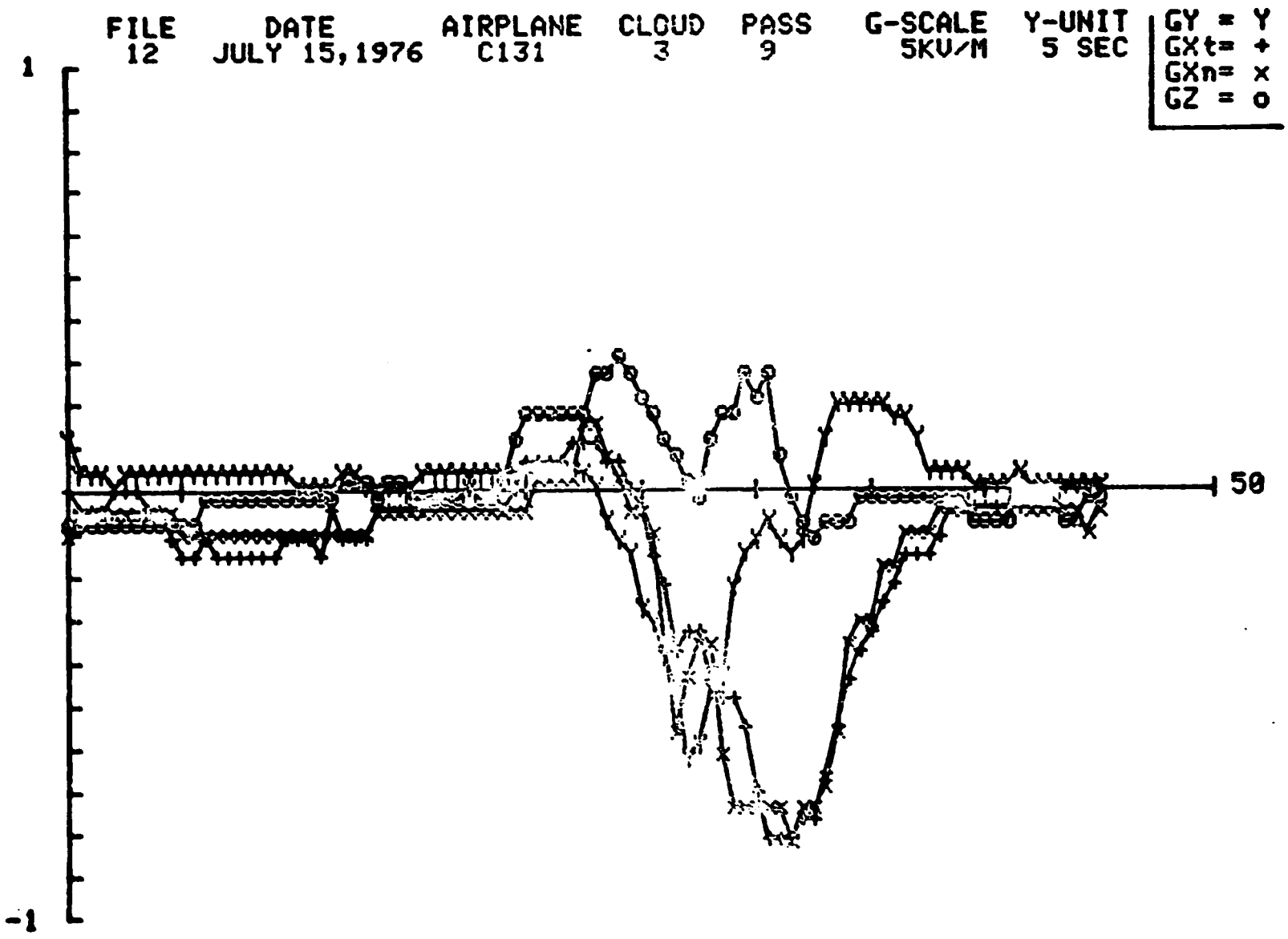

FILE
8
DATE
JULY 15,1976
AIRPLANE
C131
CLOUD
3
PASS
5
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

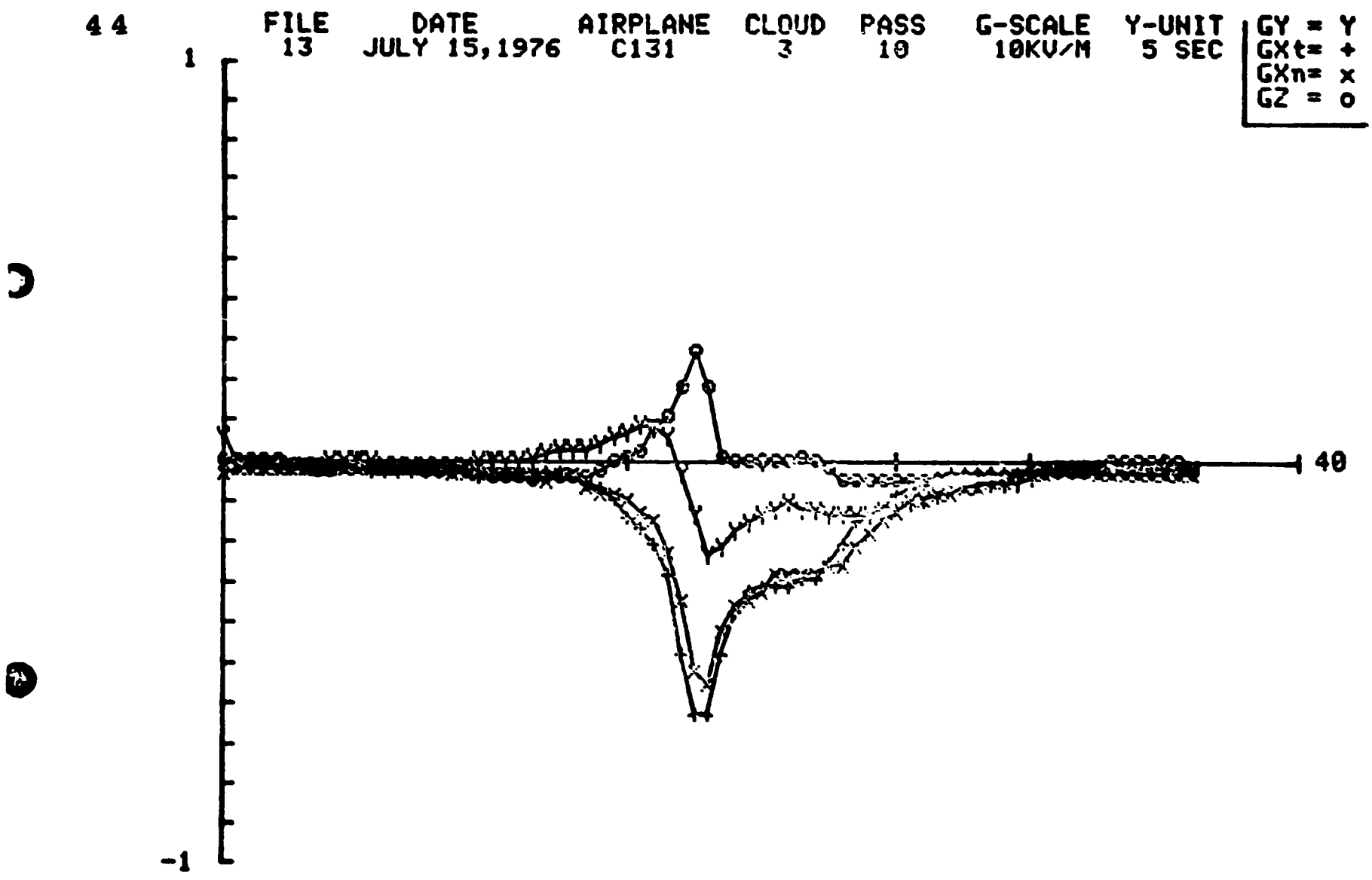

40
FILE
9
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
3
PASS
6
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

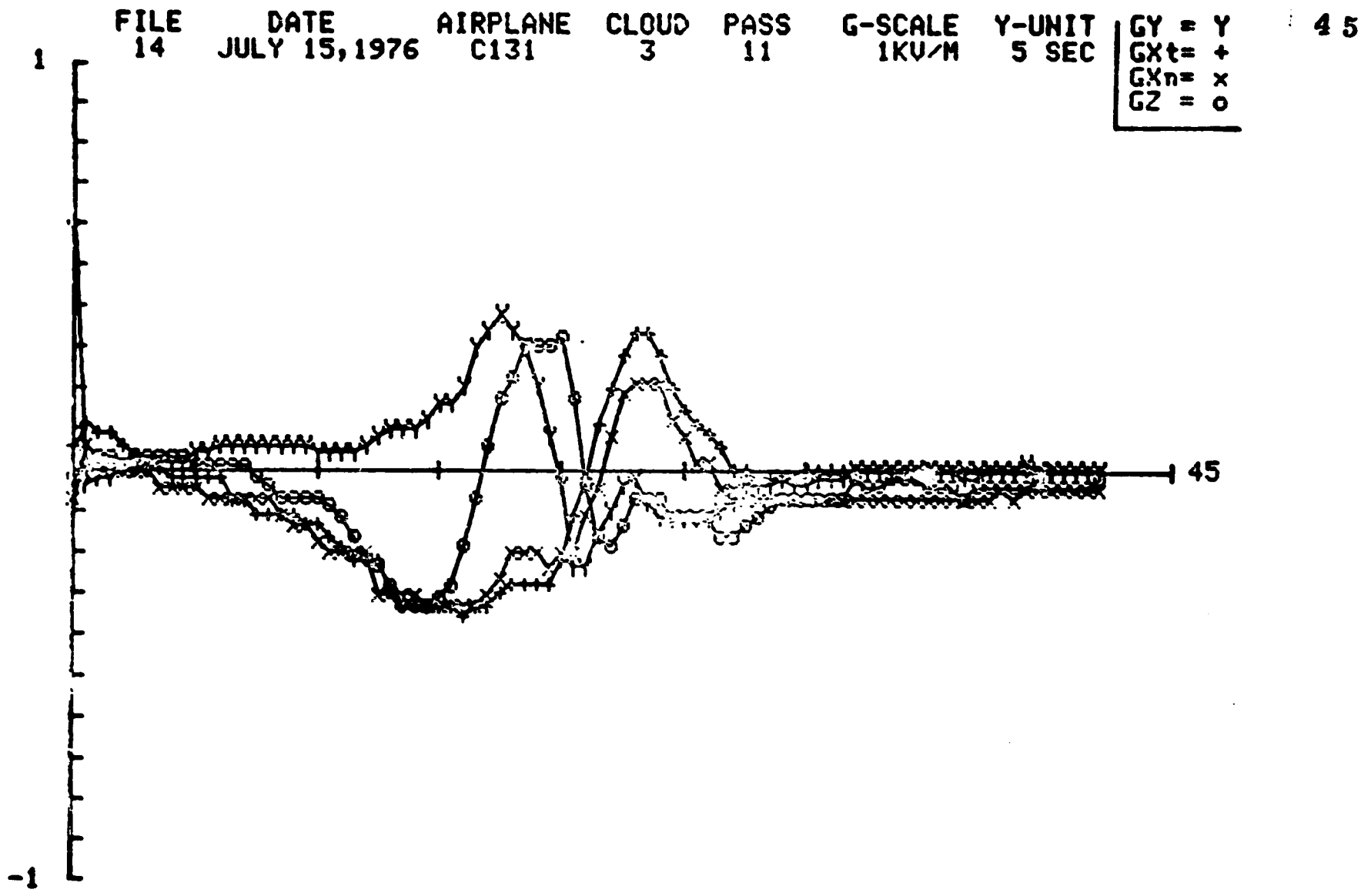

FILE
10
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
3
PASS
7
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

42

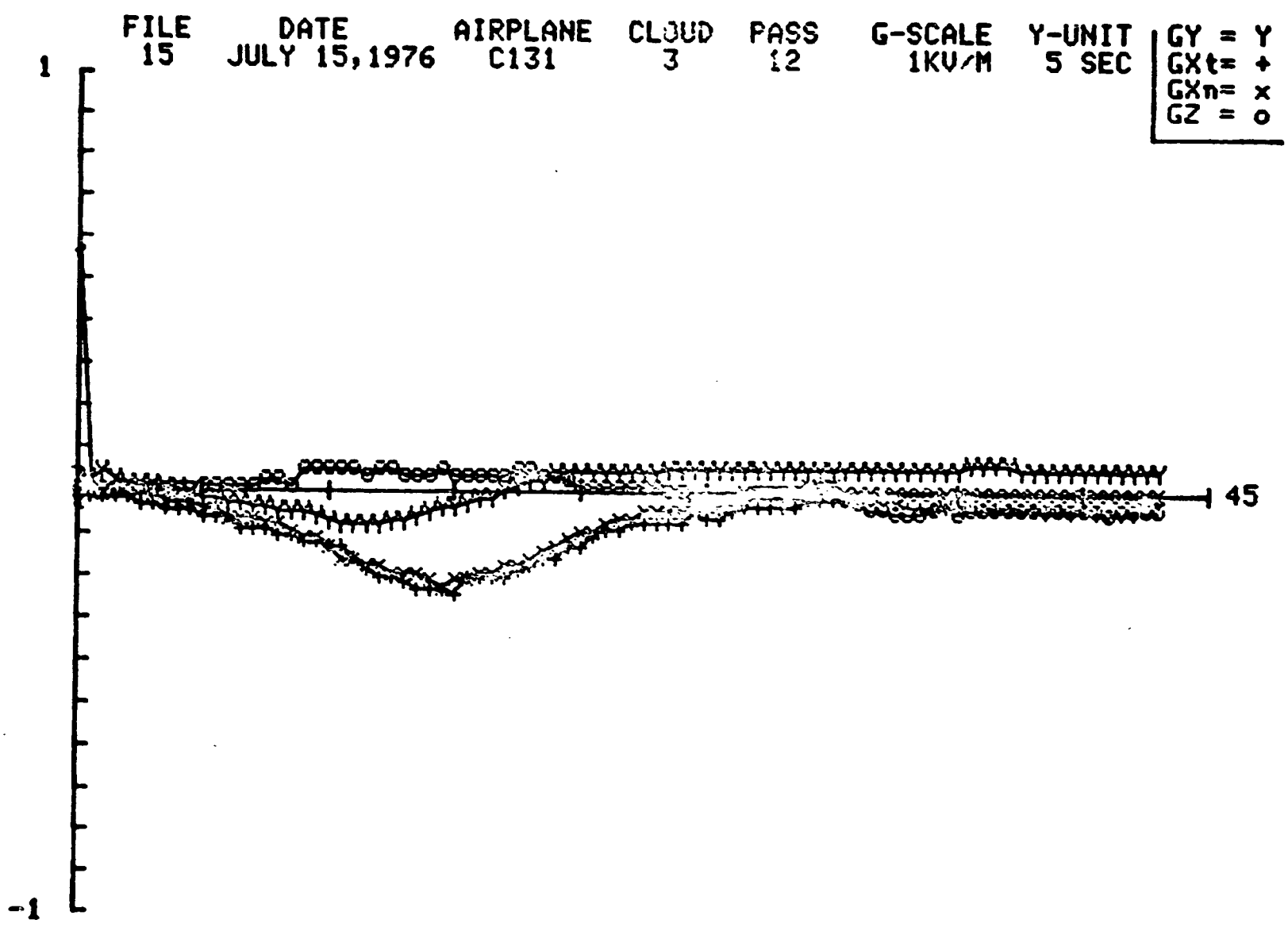

FILE
11
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
3
PASS
8
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

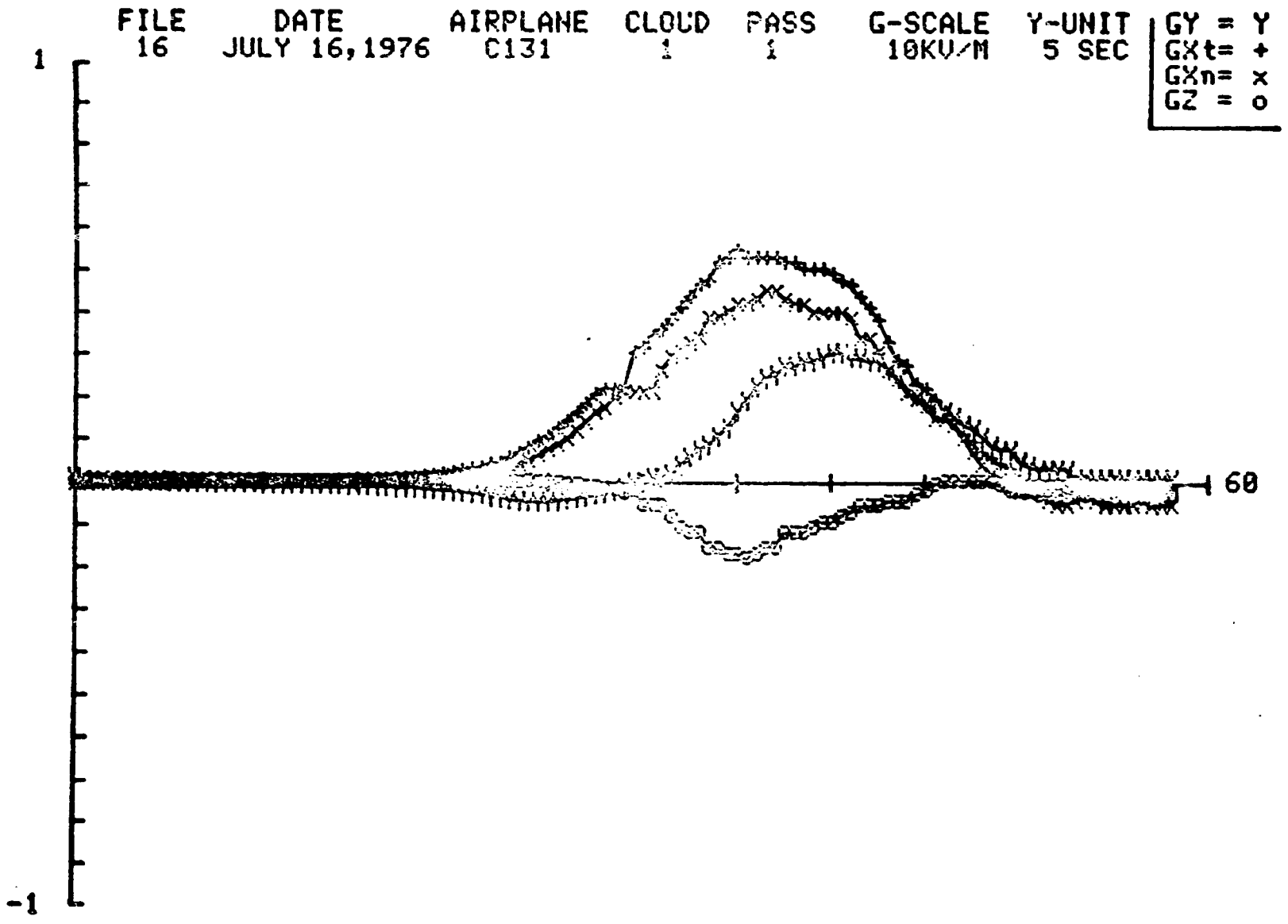

FILE
12
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
3
PASS
9
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50


44
FILE
13
DATE
JULY 15,1976
AIRPLANE
C131
CLOUD
3
PASS
10
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

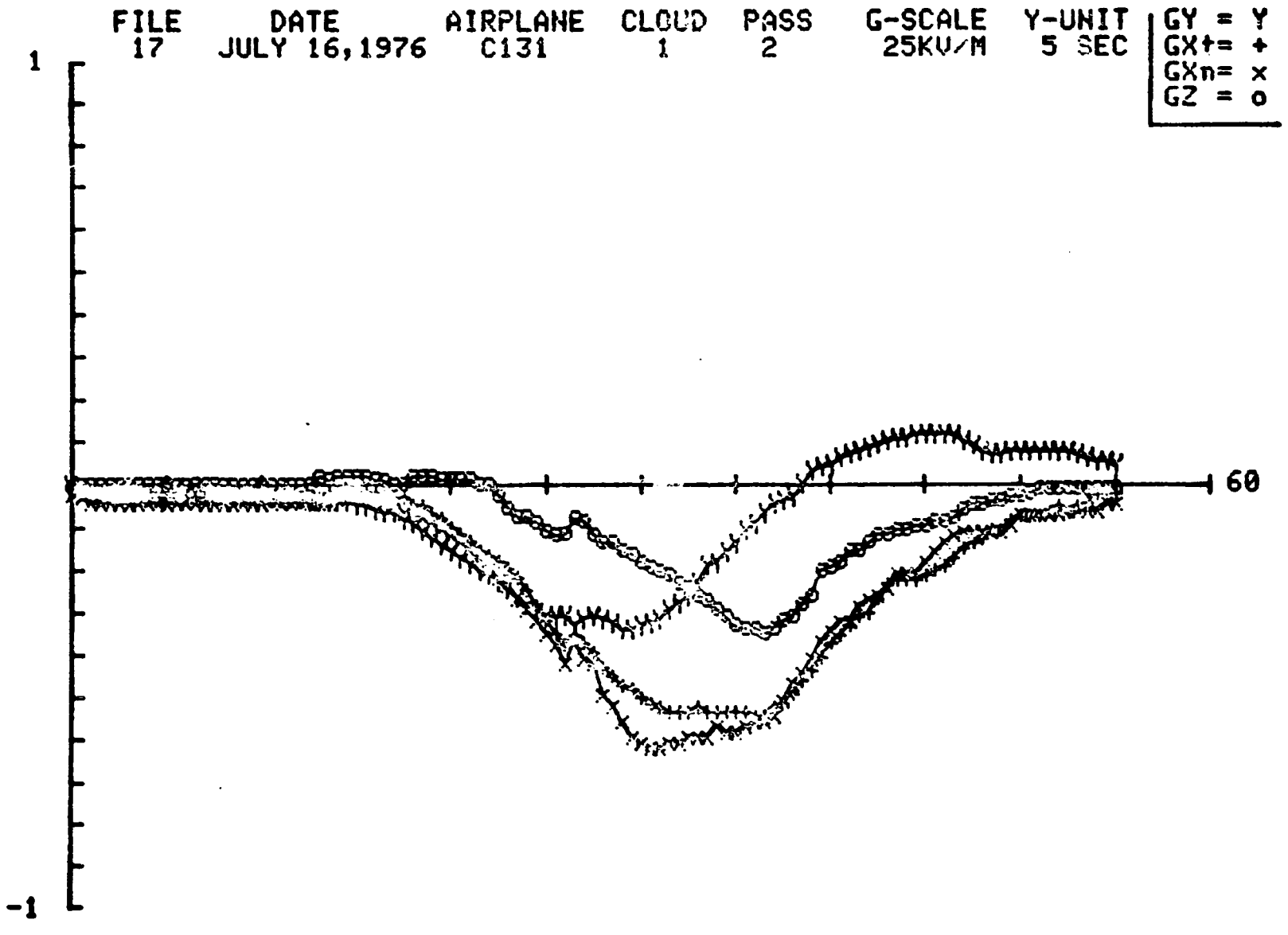

FILE
14
DATE
JULY 15, 1976
AIRPLANE
C131
CLOUD
3
PASS
11
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
45
1
-1

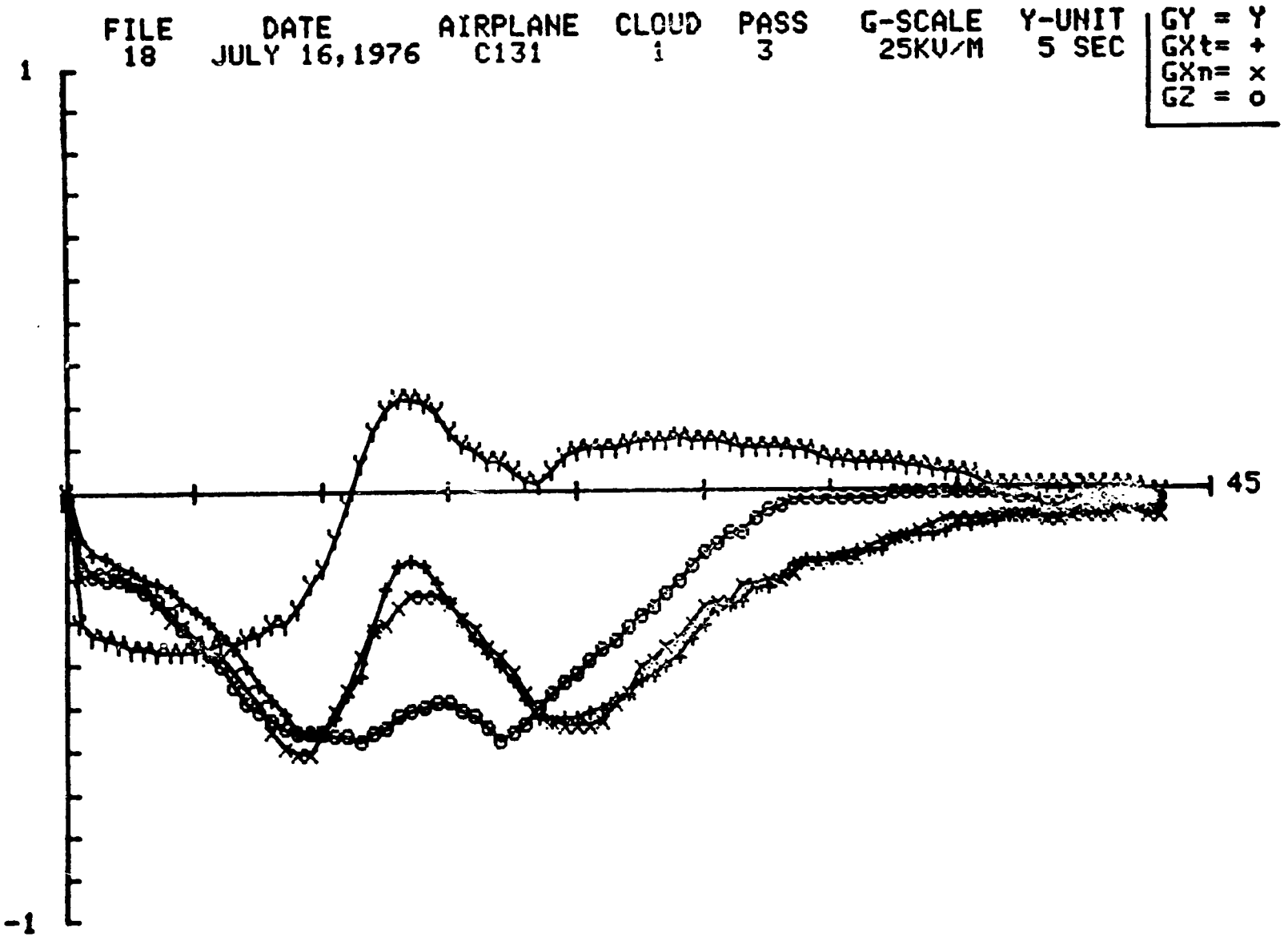
46

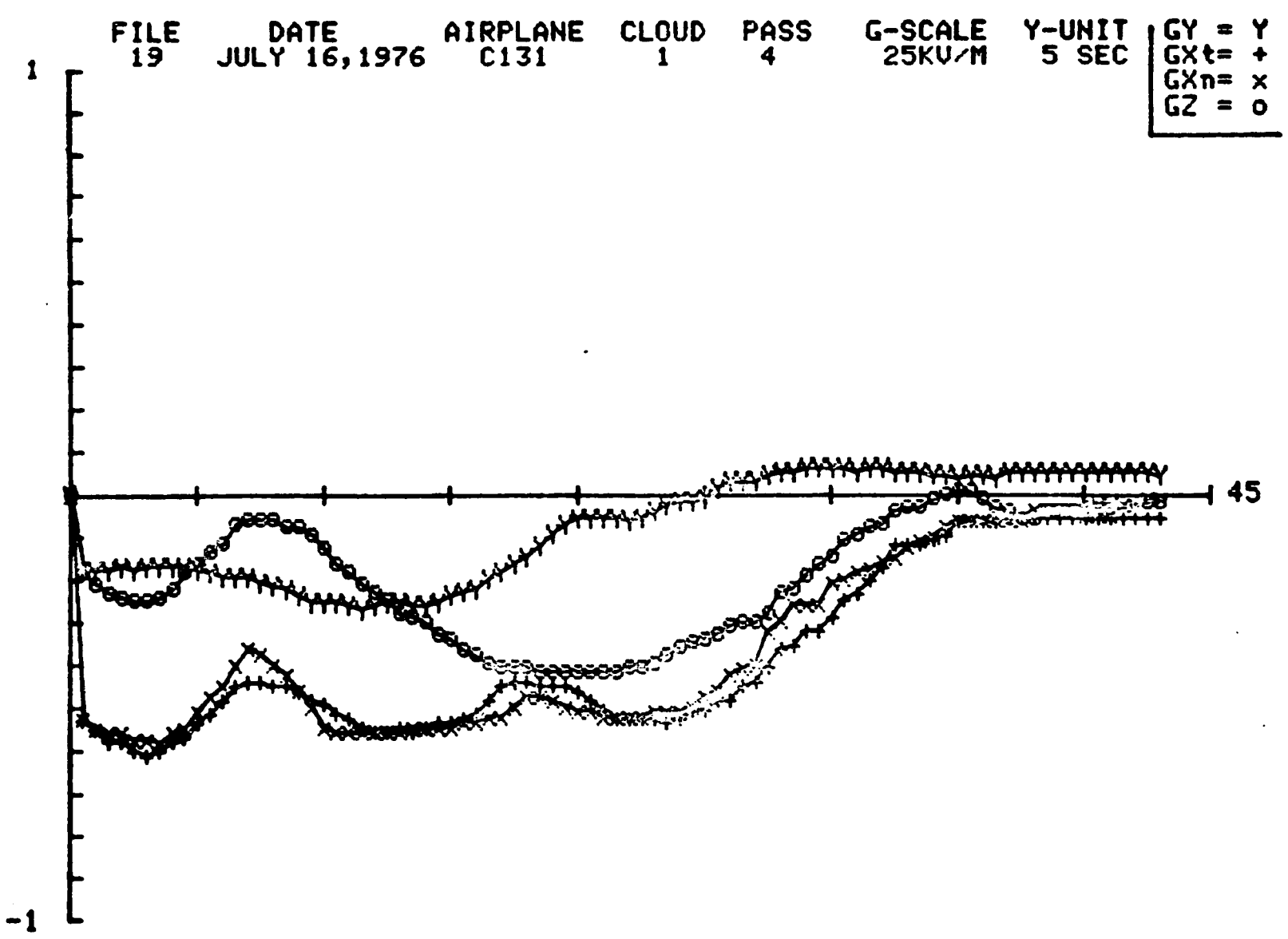

FILE
15
DATE
JULY 15,1976
AIRPLANE
C131
CLOUD
3
PASS
12
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

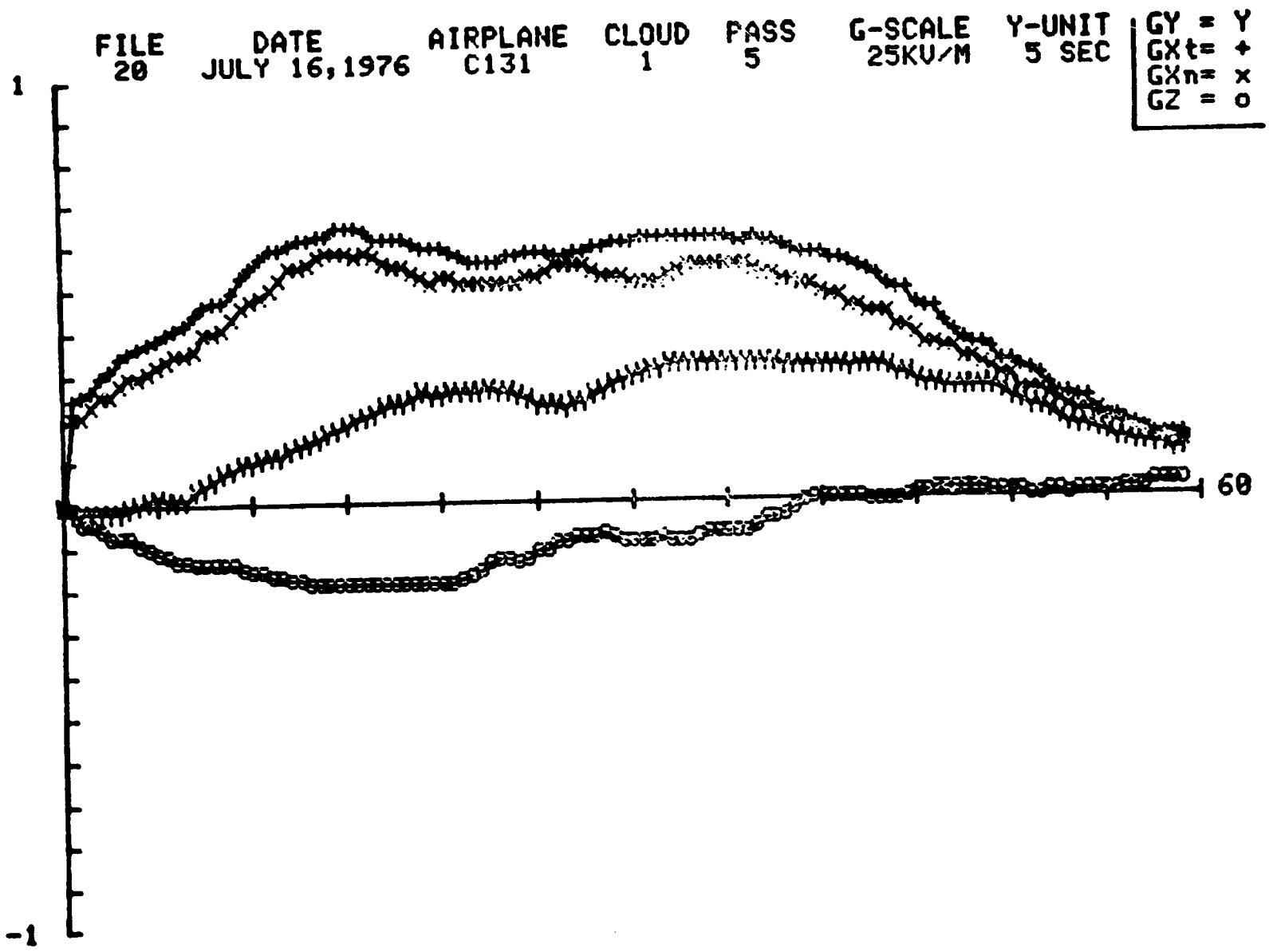

FILE
16
DATE
JULY 16,1976
AIRPLANE
C131
CLOUD
1
PASS
1
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

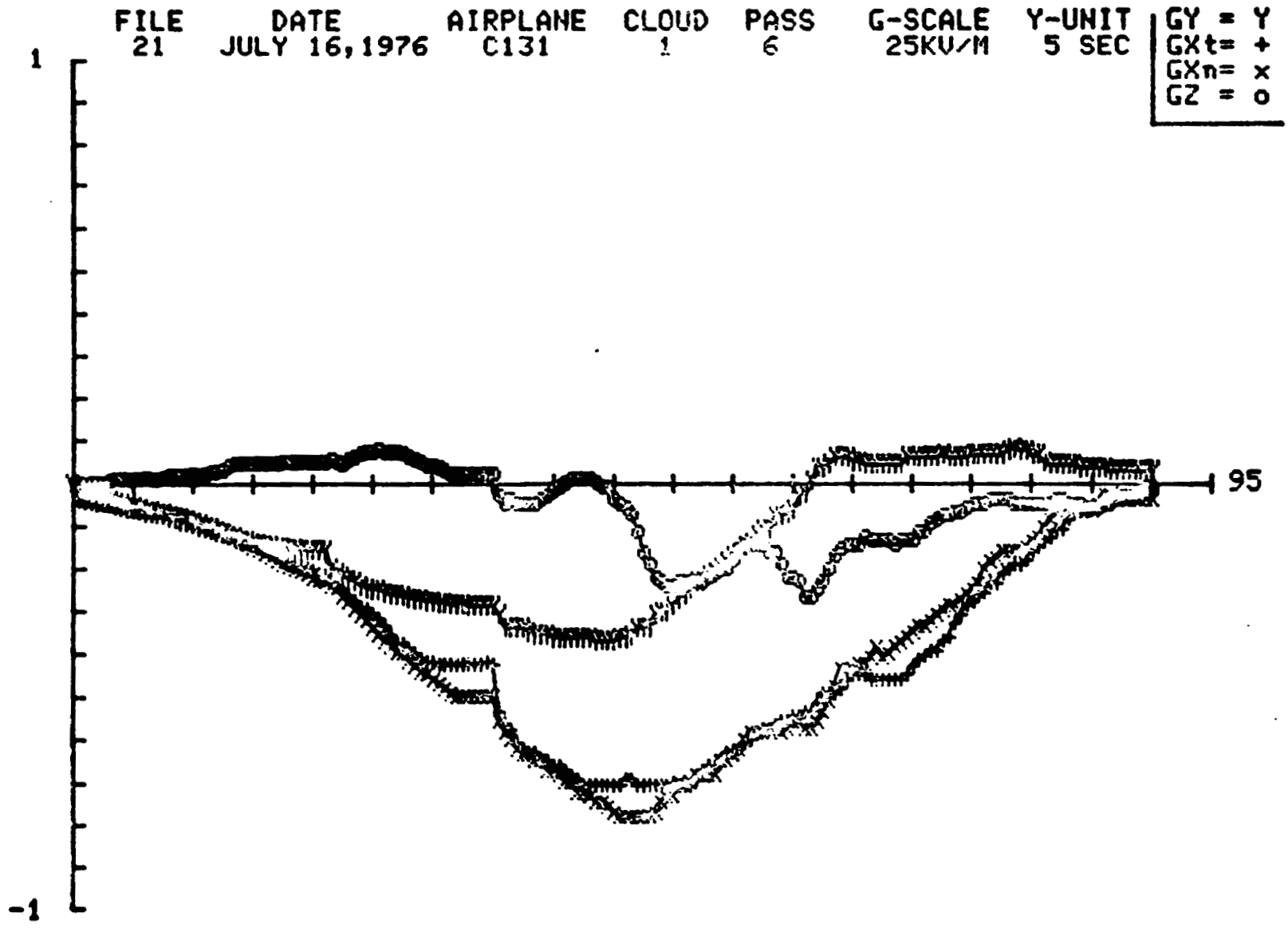
48

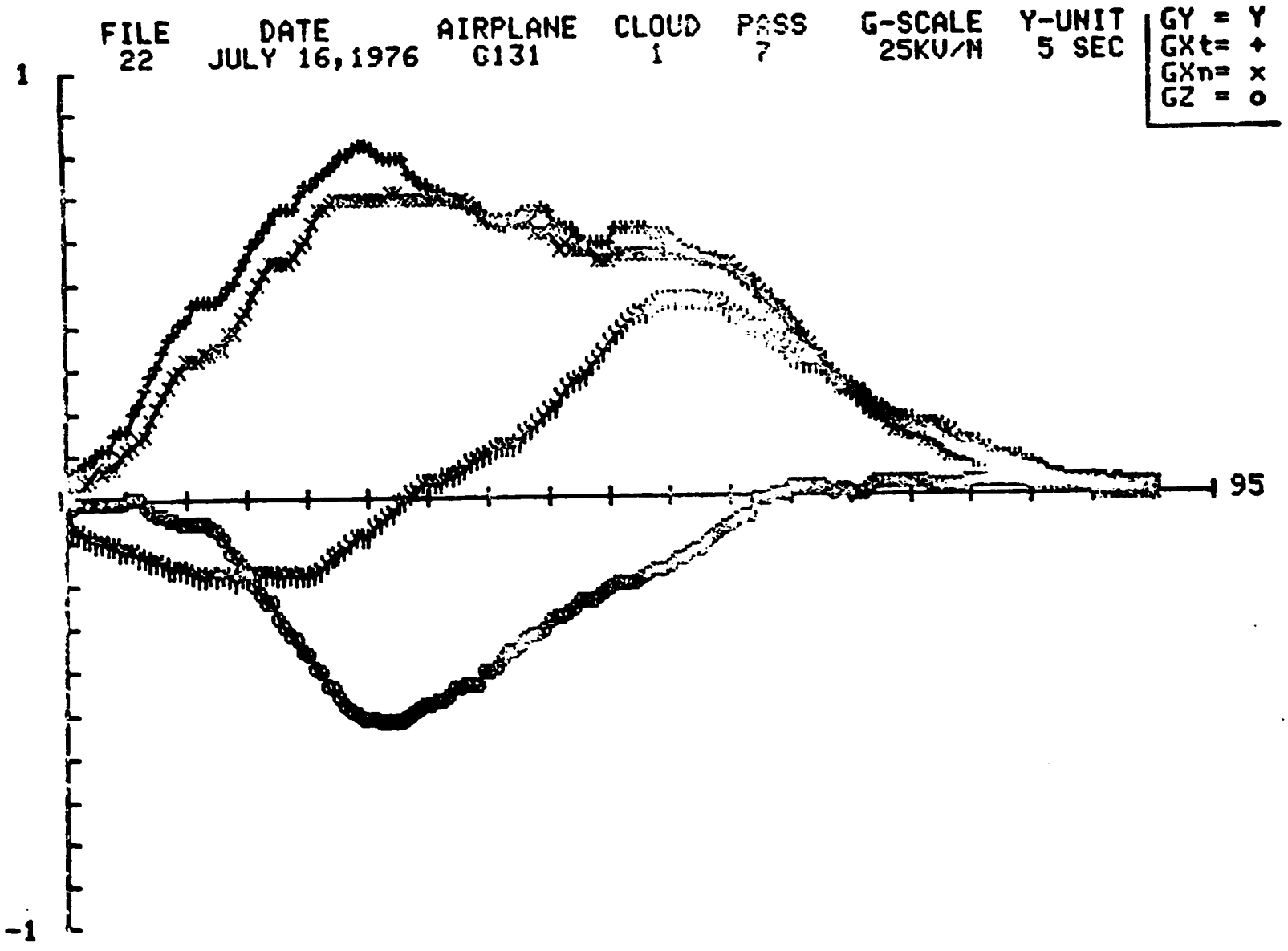

FILE
17
DATE
JULY 16,1976
AIRPLANE
C131
CLOUD
1
PASS
2
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GX+= +
GXn= x
GZ = o
1
-1
60

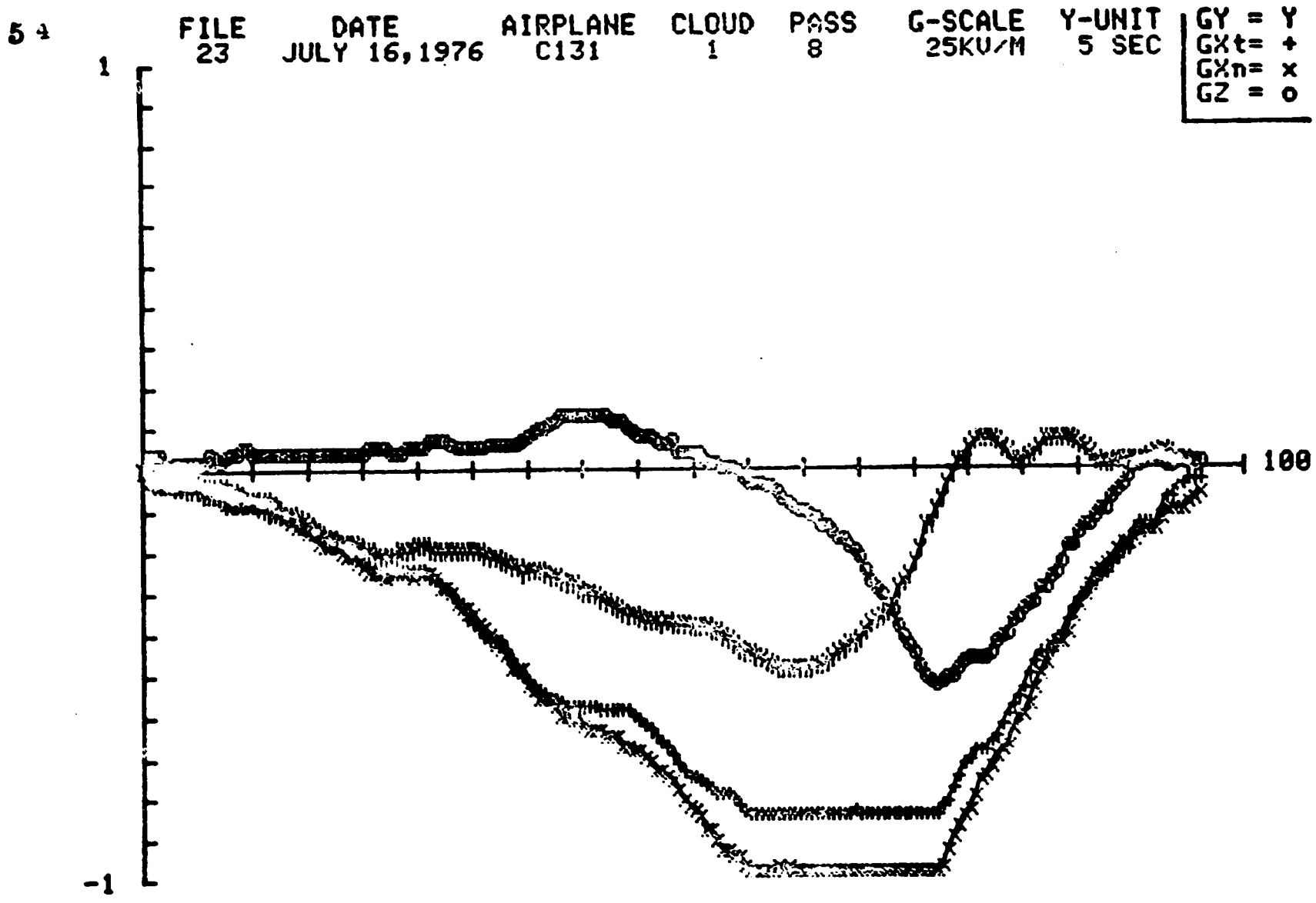

FILE
18
DATE
JULY 16, 1976
AIRPLANE
C131
CLOUD
1
PASS
3
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

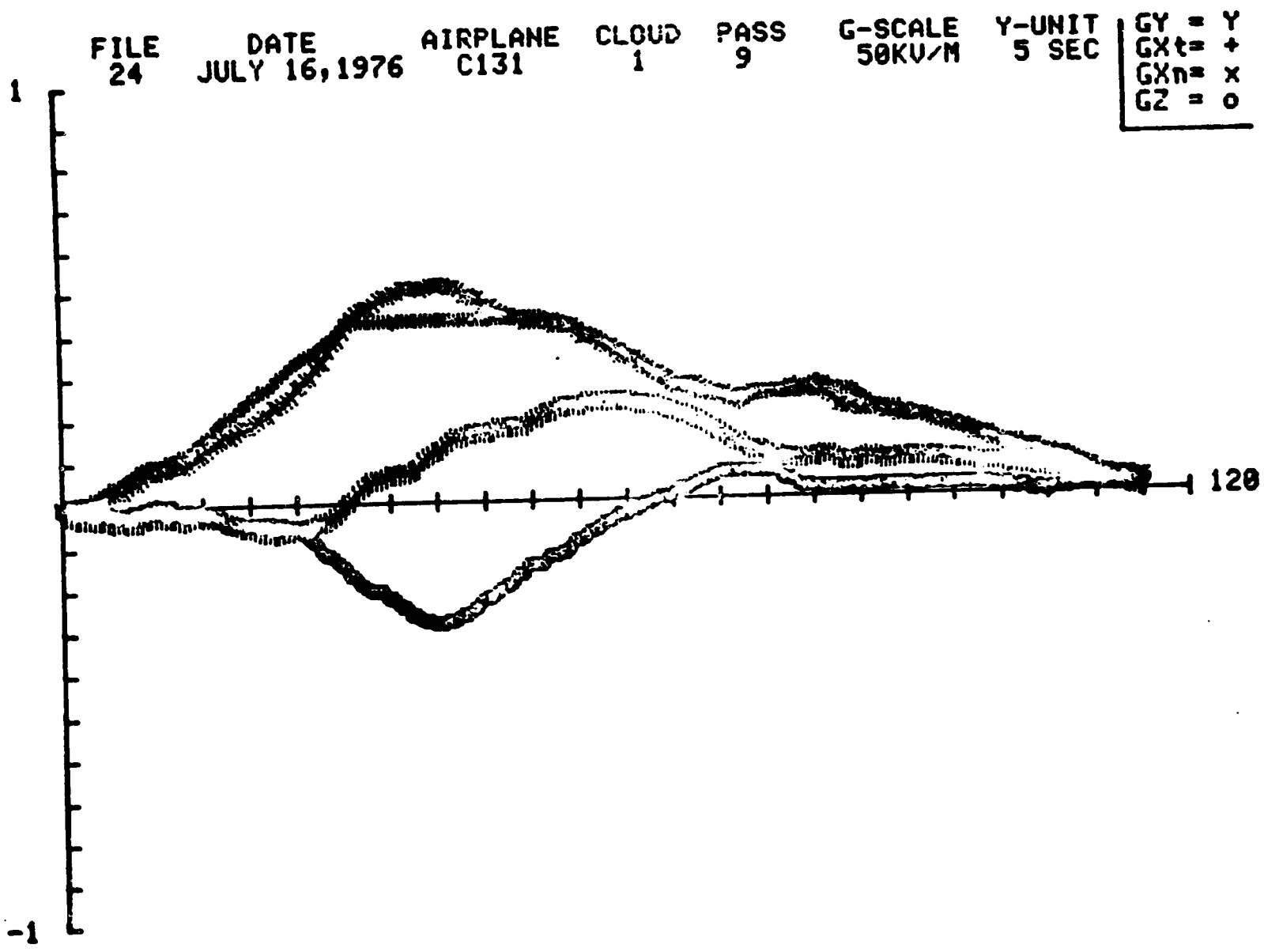

FILE
19
DATE
JULY 16,1976
AIRPLANE
C131
CLOUD
1
PASS
4
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

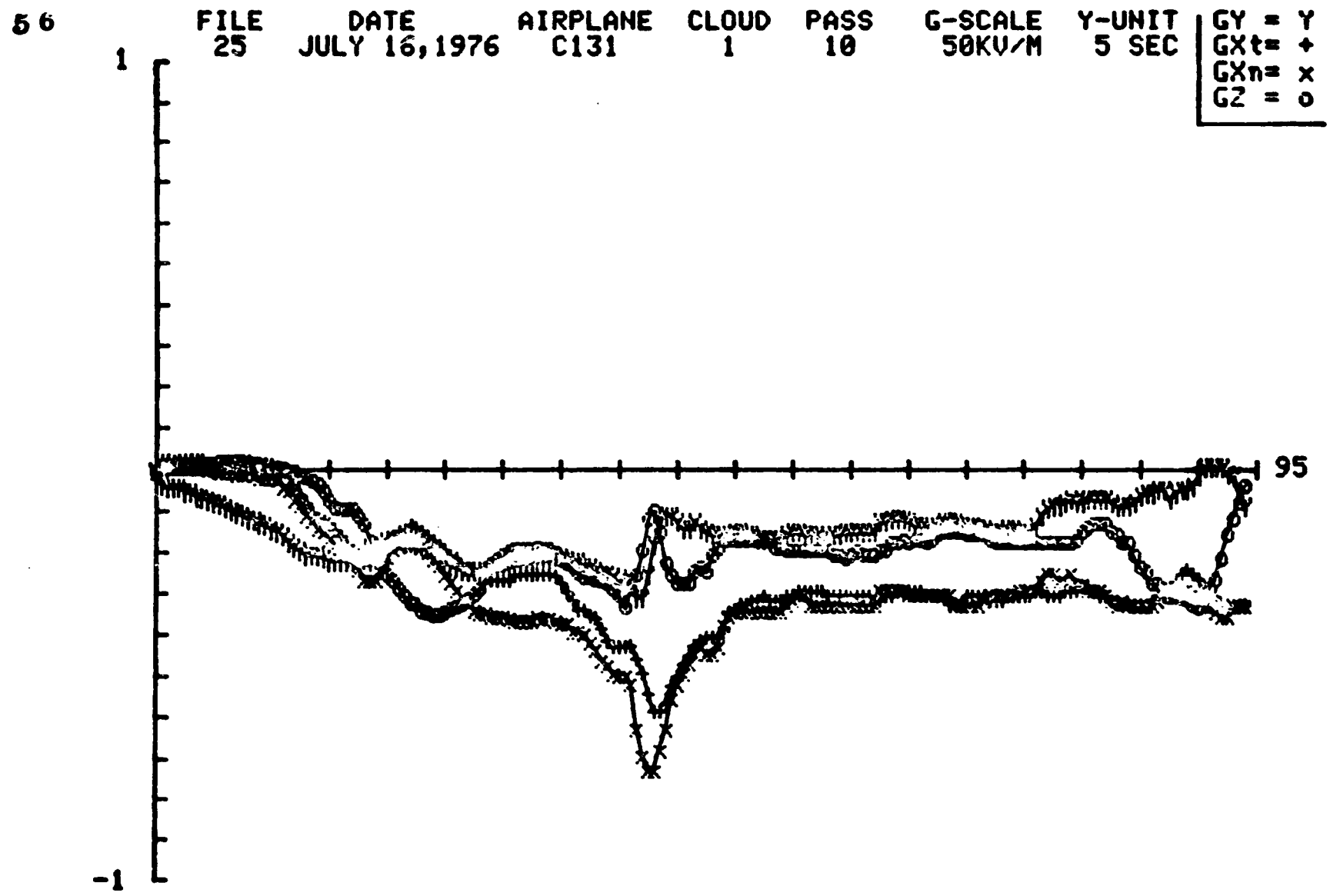

FILE
20
DATE
JULY 16,1976
AIRPLANE
C131
CLOUD
1
PASS
5
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

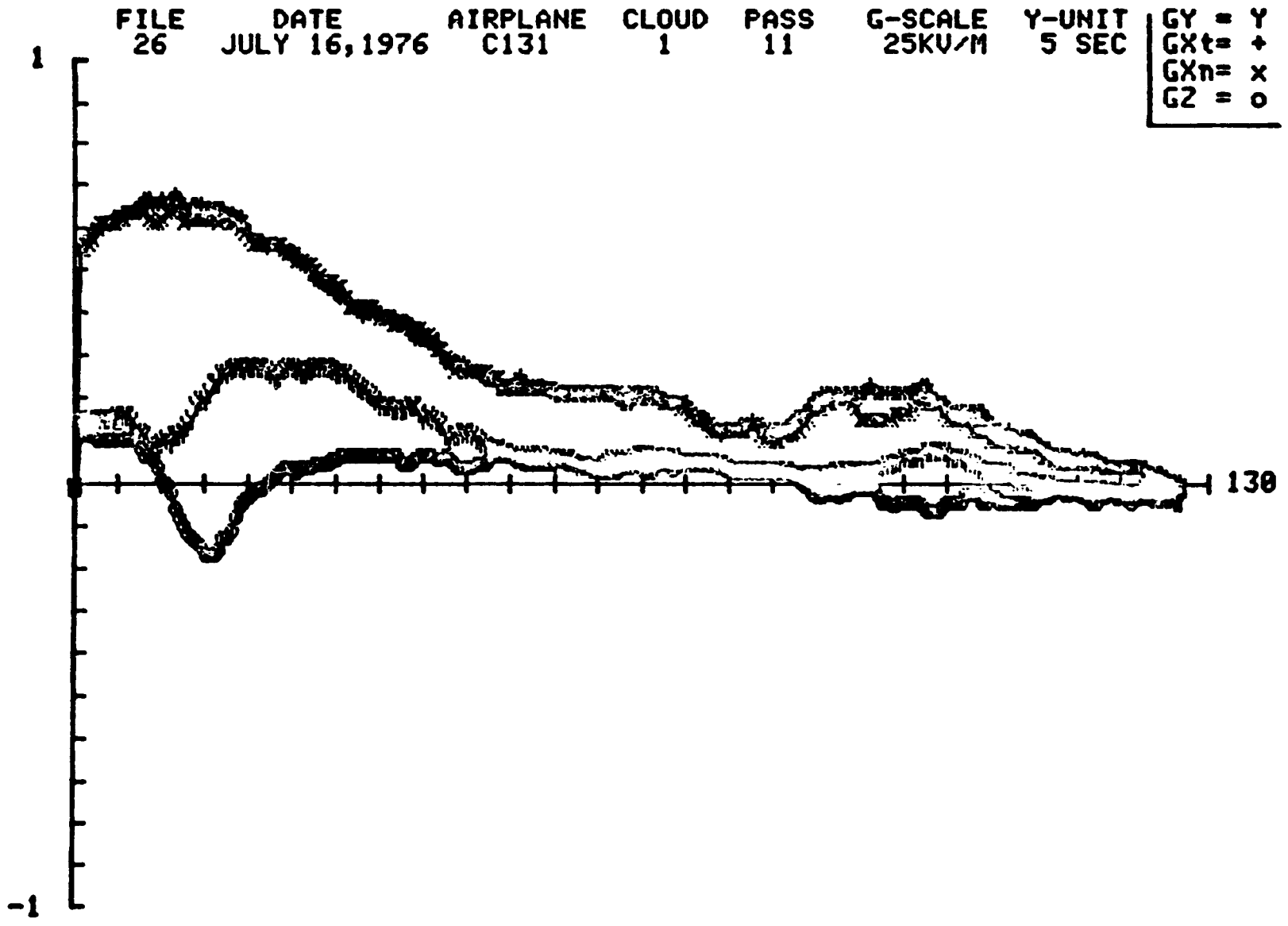

FILE
21
DATE
JULY 16, 1976
AIRPLANE
C131
CLOUD
1
PASS
6
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
95


FILE
22
DATE
JULY 16, 1976
AIRPLANE
G131
CLOUD
1
PASS
7
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
95


FILE
23
DATE
JULY 16, 1976
AIRPLANE
C131
CLOUD
1
PASS
8
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
100

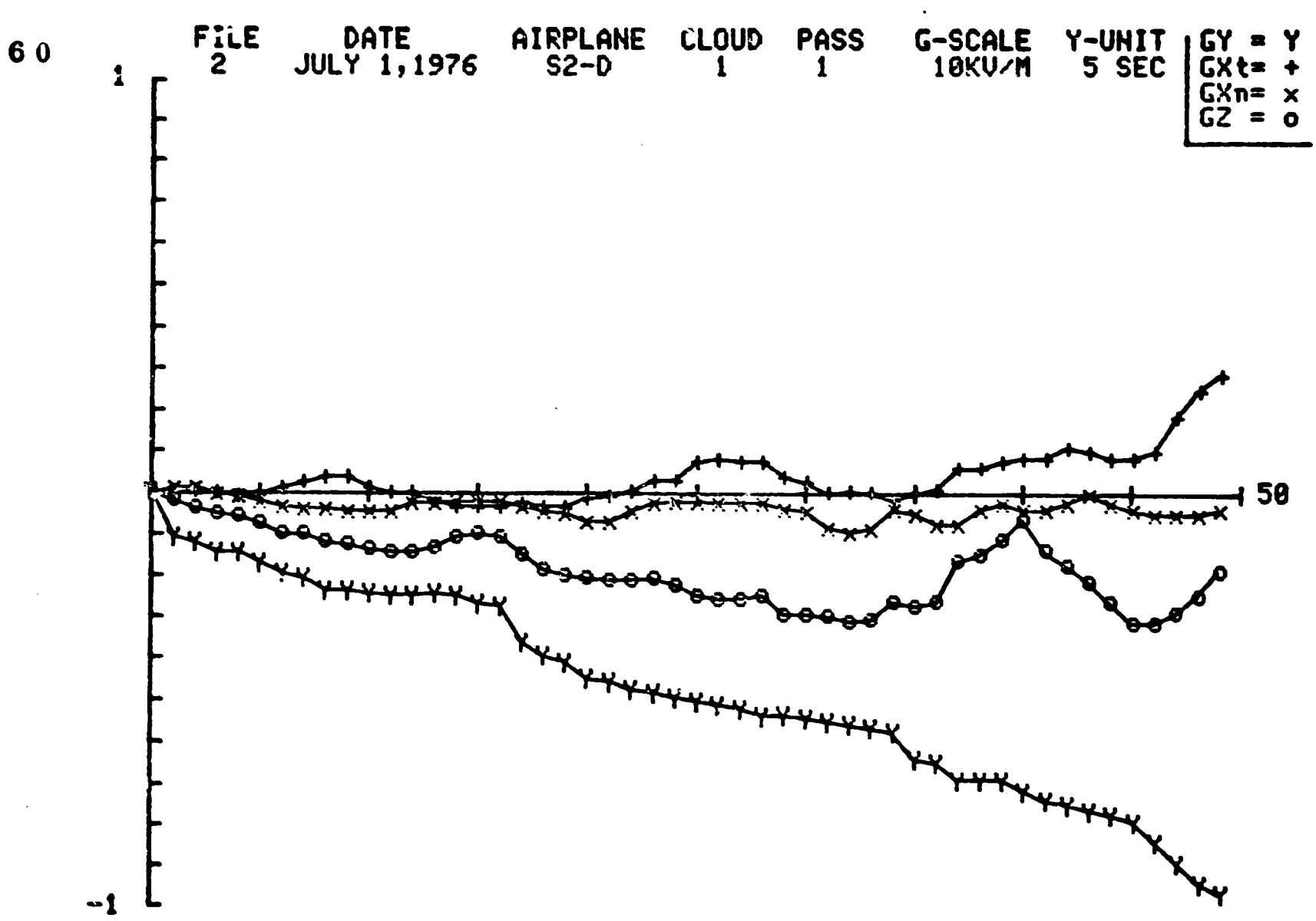

FILE
24
DATE
JULY 16,1976
AIRPLANE
C131
CLOUD
1
PASS
9
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
120

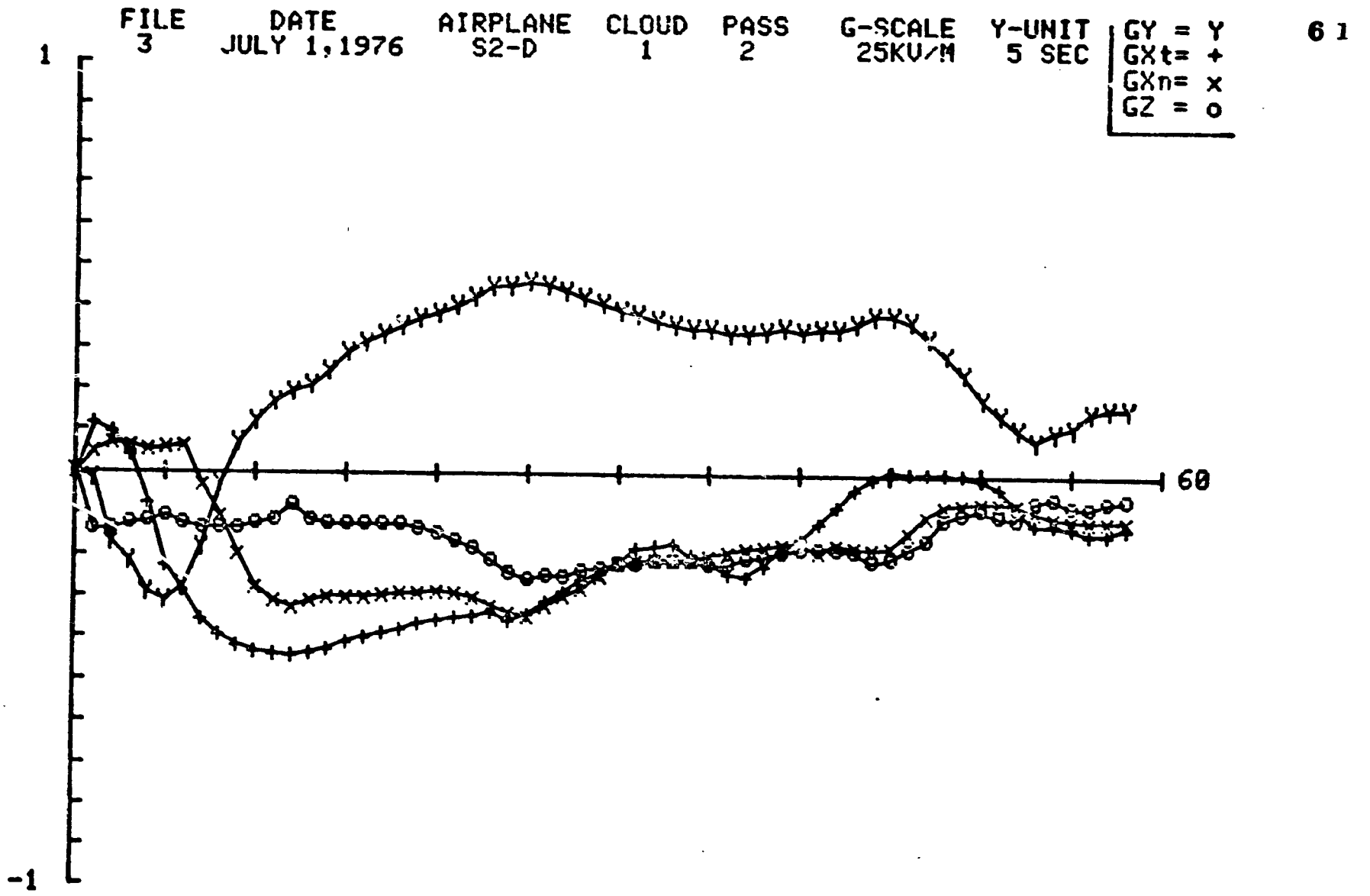

56
FILE 25
DATE JULY 16,1976
AIRPLANE C131
CLOUD 1
PASS 10
G-SCALE 50KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
95

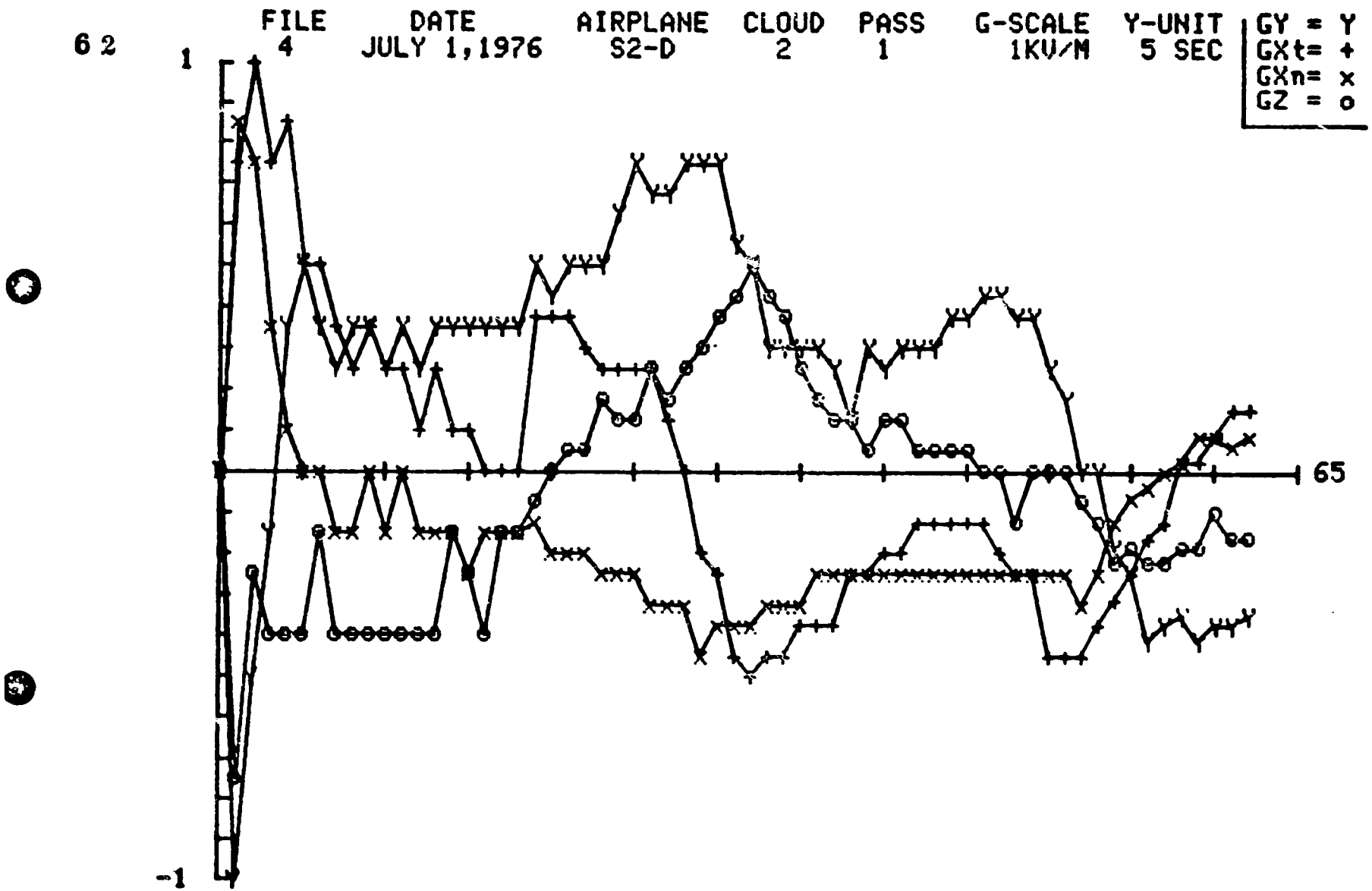

FILE
26
DATE
JULY 16,1976
AIRPLANE
C131
CLOUD
1
PASS
11
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
130

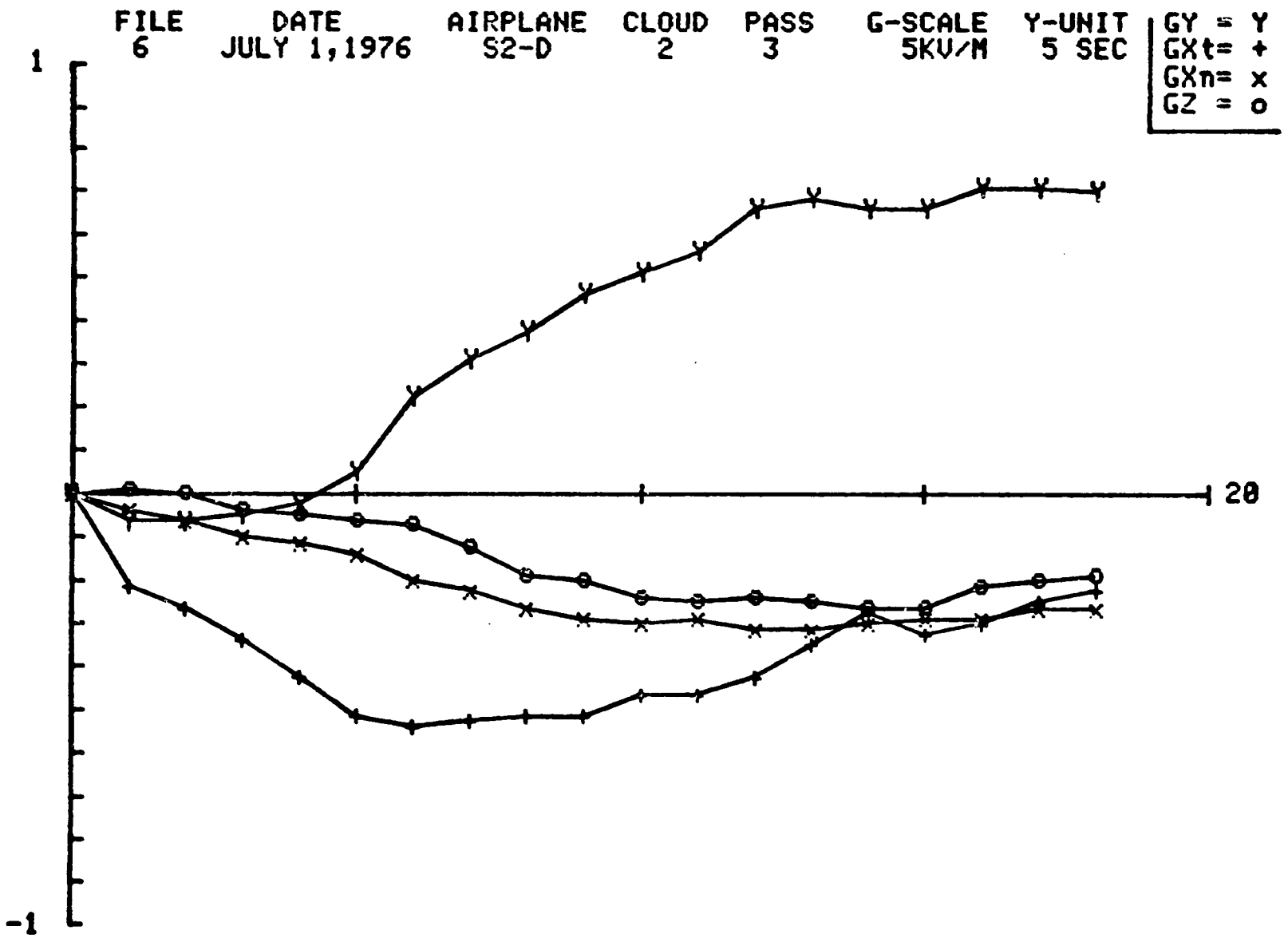
FILE	DATE	AIRPLANE	CLOUD	PASS	SCALE	Ymax
2	JULY 1,1976	S2-D	1	1	10K	50
3	JULY 1,1976	S2-D	1	2	25K	59
4	JULY 1,1976	S2-D	2	1	1K	63
5	JULY 1,1976	S2-D	2	2	5K	29
6	JULY 1,1976	S2-D	2	3	5K	19
7	JULY 1,1976	S2-D	2	4	BLANK	24
8	JULY 1,1976	S2-D	2	5	BLANK	24
9	JULY 1,1976	S2-D	2	6	10K	53
10	JULY 1,1976	S2-D	2	7	25K	47
11	JULY 1,1976	S2-D	2	8	25K	66
12	JULY 1,1976	S2-D	2	9	50K	59
13	JULY 1,1976	S2-D	2	10	25K	92
14	JULY 1,1976	S2-D	2	11	25K	94
15	JULY 1,1976	S2-D	2	12	10K	66
16	JULY 1,1976	S2-D	2	13	10K	59
17	JULY 1,1976	S2-D	2	14	5K	67
18	JULY 2,1976	S2-D	1	1	5K	69
19	JULY 2,1976	S2-D	1	2	100K	57
20	JULY 2,1976	S2-D	1	3	BLANK	76
21	JULY 2,1976	S2-D	1	4	10K	99
22	JULY 2,1976	S2-D	1	5	5K	88
23	JULY 2,1976	S2-D	1	6	5K	69
24	JULY 2,1976	S2-D	1	7	10K	98
25	JULY 2,1976	S2-D	2	1	10K	36
26	JULY 2,1976	S2-D	2	2	5K	46
27	JULY 2,1976	S2-D	2	3	2.5K	34
28	JULY 2,1976	S2-D	2	4	5K	46
29	JULY 2,1976	S2-D	2	5	100K	61
30	JULY 2,1976	S2-D	2	6	25K	30
31	JULY 2,1976	S2-D	2	7	25K	43
32	JULY 2,1976	S2-D	2	8	50K	28
33	JULY 2,1976	S2-D	2	9	5K	37
34	JULY 2,1976	S2-D	2	10	5K	59

35	JULY 2,1976	S2-D	2	11	100K	40
36	JULY 2,1976	S2-D	2	12	50K	34
37	JULY 2,1976	S2-D	2	13	50K	53
38	JULY 2,1976	S2-D	2	14	50K	60
39	JULY 2,1976	S2-D	2	15	50K	56
40	JULY 2,1976	S2-D	2	16	100K	60
41	JULY 2,1976	S2-D	2	17	BLANK	64
42	JULY 2,1976	S2-D	2	18	50K	43
43	JULY 2,1976	S2-D	2	19	100K	48
44	JULY 2,1976	S2-D	2	20	50K	41
45	JULY 7,1976	S2-D	1	1	BLANK	47
46	JULY 7,1976	S2-D	1	2	50K	47
47	JULY 7,1976	S2-D	1	3	50K	39
48	JULY 7,1976	S2-D	1	4	25K	30
49	JULY 8,1976	S2-D	1	1	50K	37
50	JULY 8,1976	S2-D	1	2	100K	47
51	JULY 8,1976	S2-D	1	3	50K	42
52	JULY 8,1976	S2-D	1	4	100K	56
53	JULY 8,1976	S2-D	1	5	100K	36
54	JULY 8,1976	S2-D	1	6	100K	48
55	JULY 8,1976	S2-D	1	7	100K	54
56	JULY 8,1976	S2-D	1	8	100K	61
57	JULY 8,1976	S2-D	1	9	100K	59
58	JULY 8,1976	S2-D	1	10	100K	63
59	JULY 8,1976	S2-D	1	11	100K	69
60	JULY 8,1976	S2-D	1	12	100K	75
61	JULY 8,1976	S2-D	1	13	100K	74
62	JULY 8,1976	S2-D	1	14	100K	54
63	JULY 8,1976	S2-D	1	15	100K	55
64	JULY 8,1976	S2-D	1	16	50K	34
65	JULY 8,1976	S2-D	1	17	100K	38
66	JULY 8,1976	S2-D	1	18	50K	50

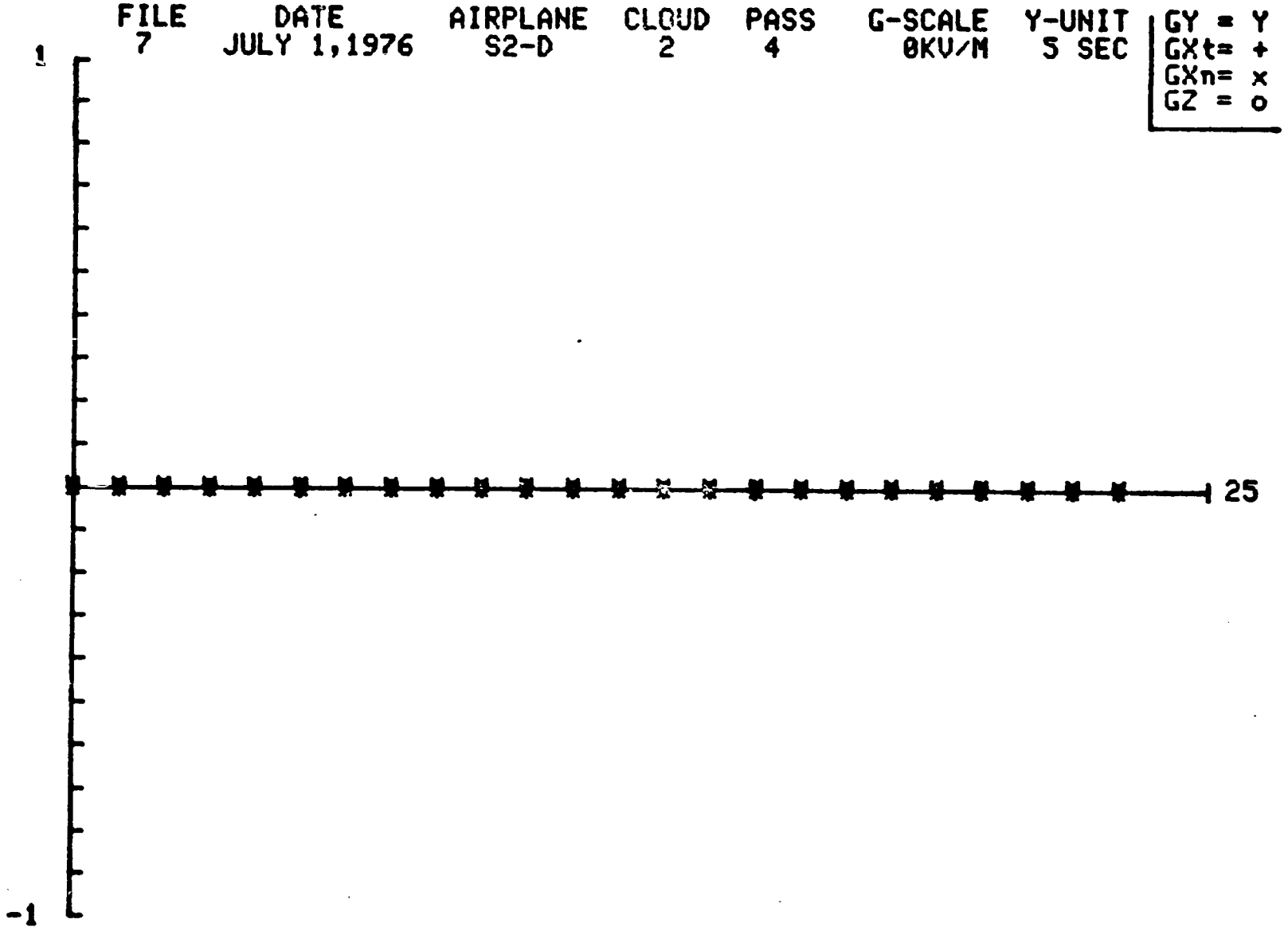

60
FILE
2
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
1
PASS
1
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

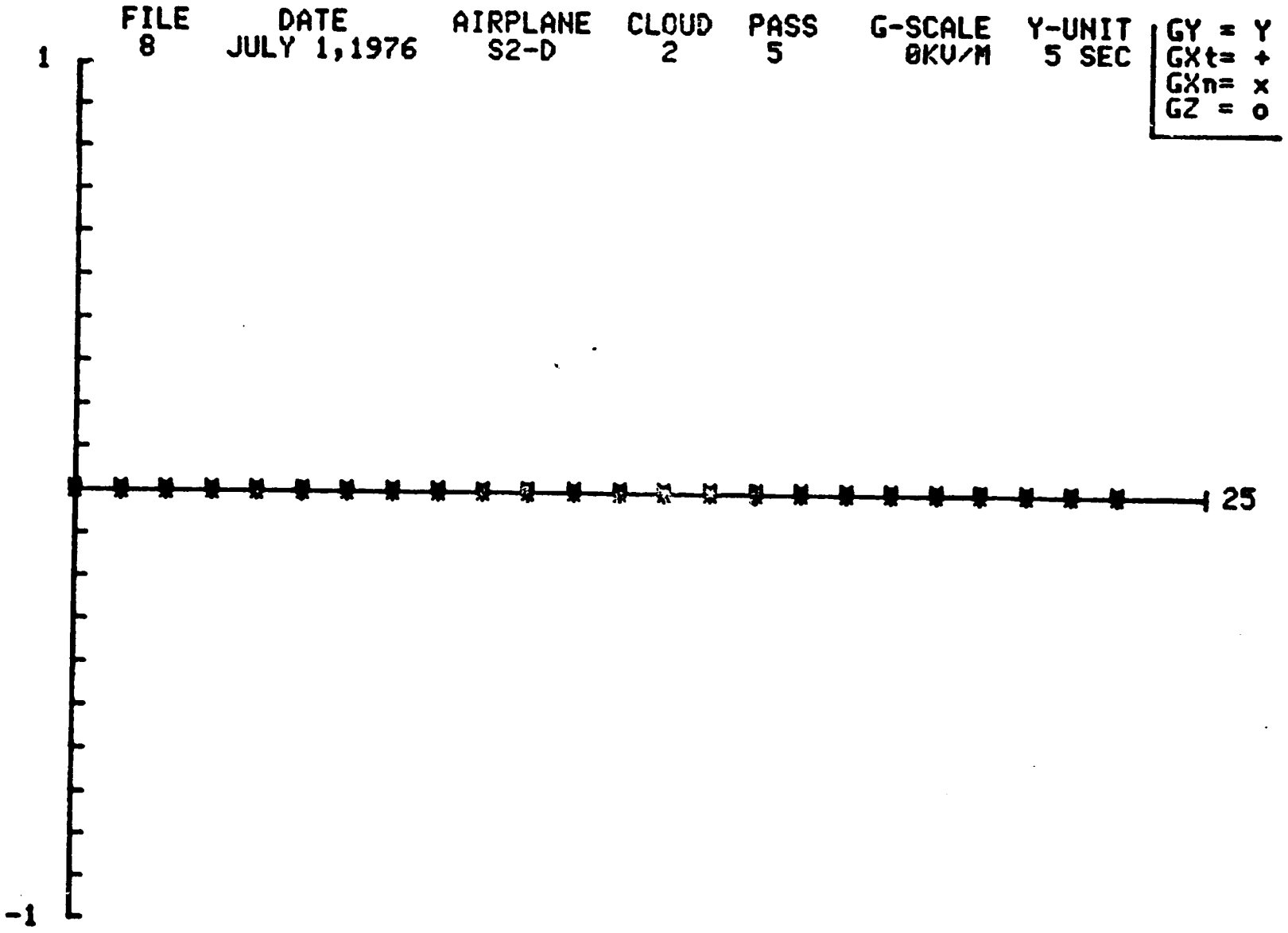

FILE
3
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
1
PASS
2
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

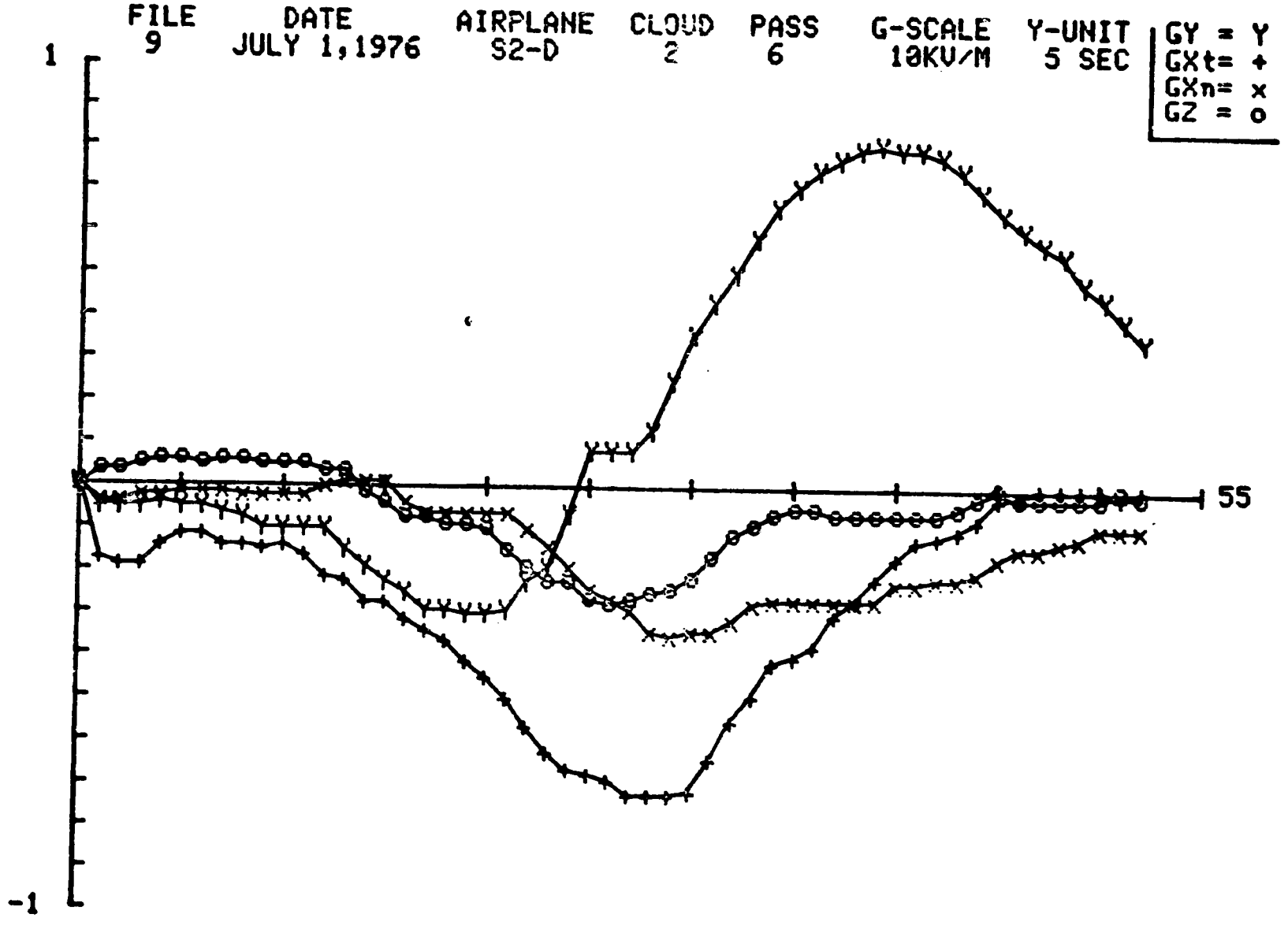

6 2
FILE
4
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
1
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

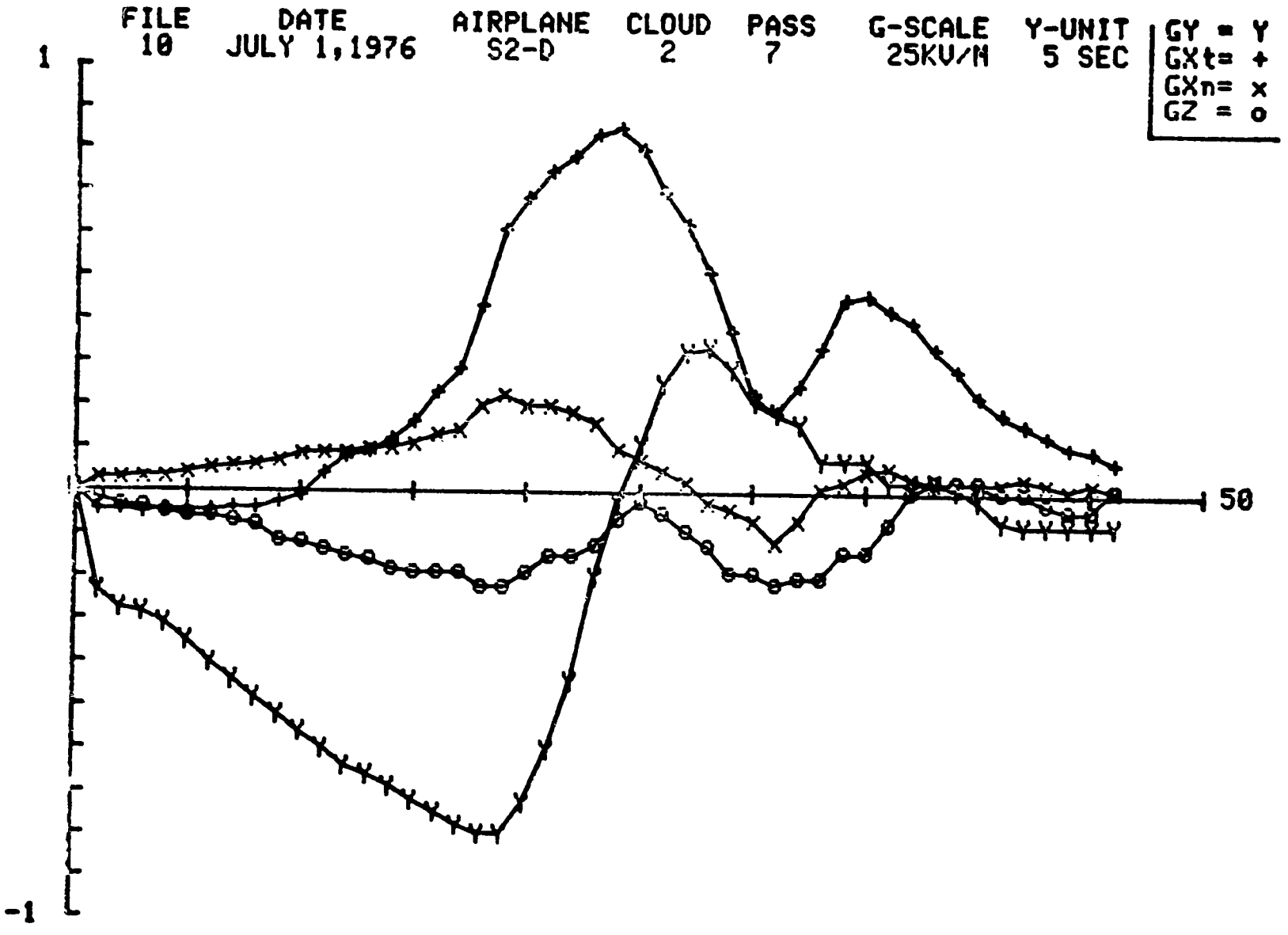

FILE
6
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
3
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
20

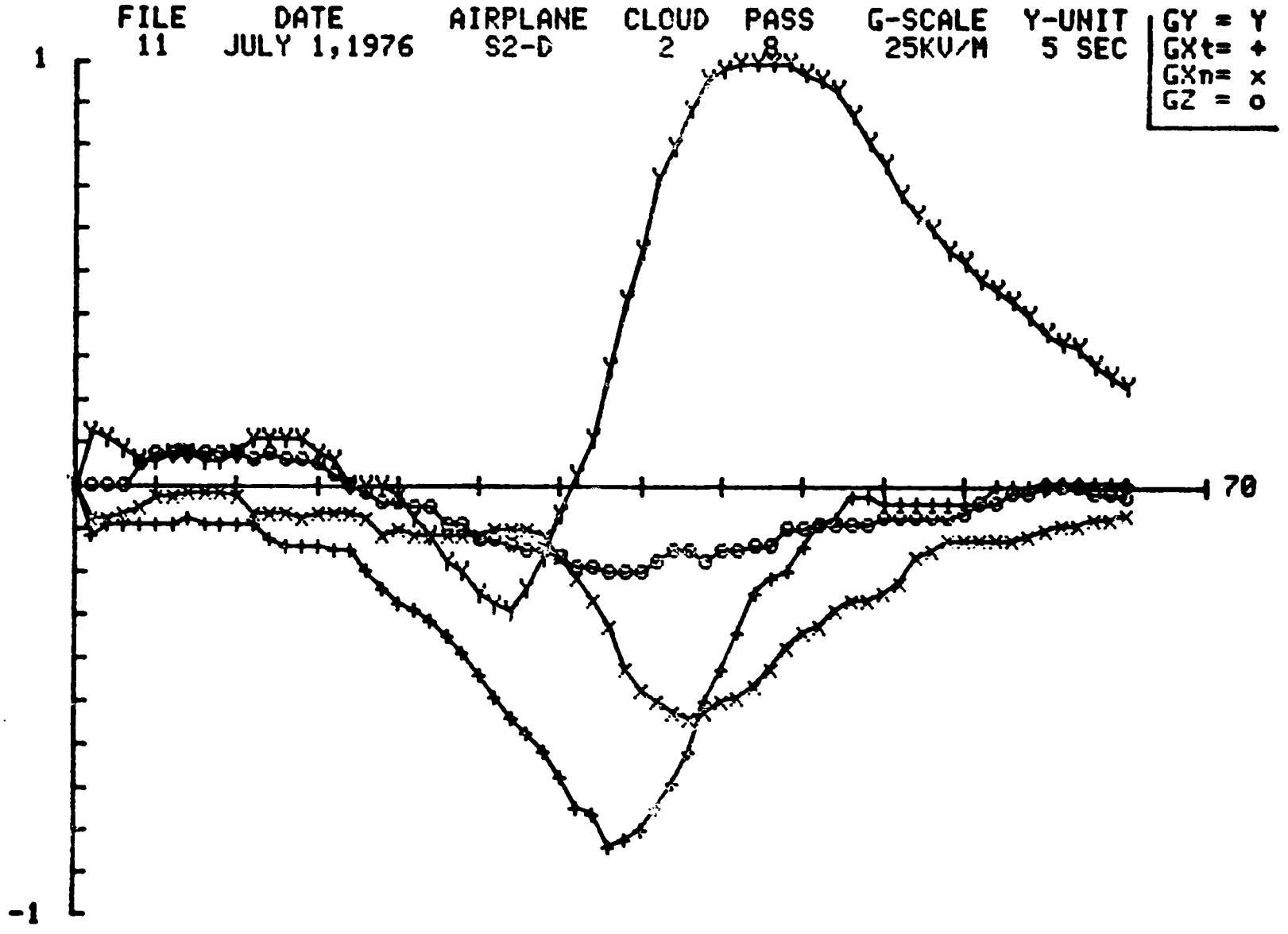
64

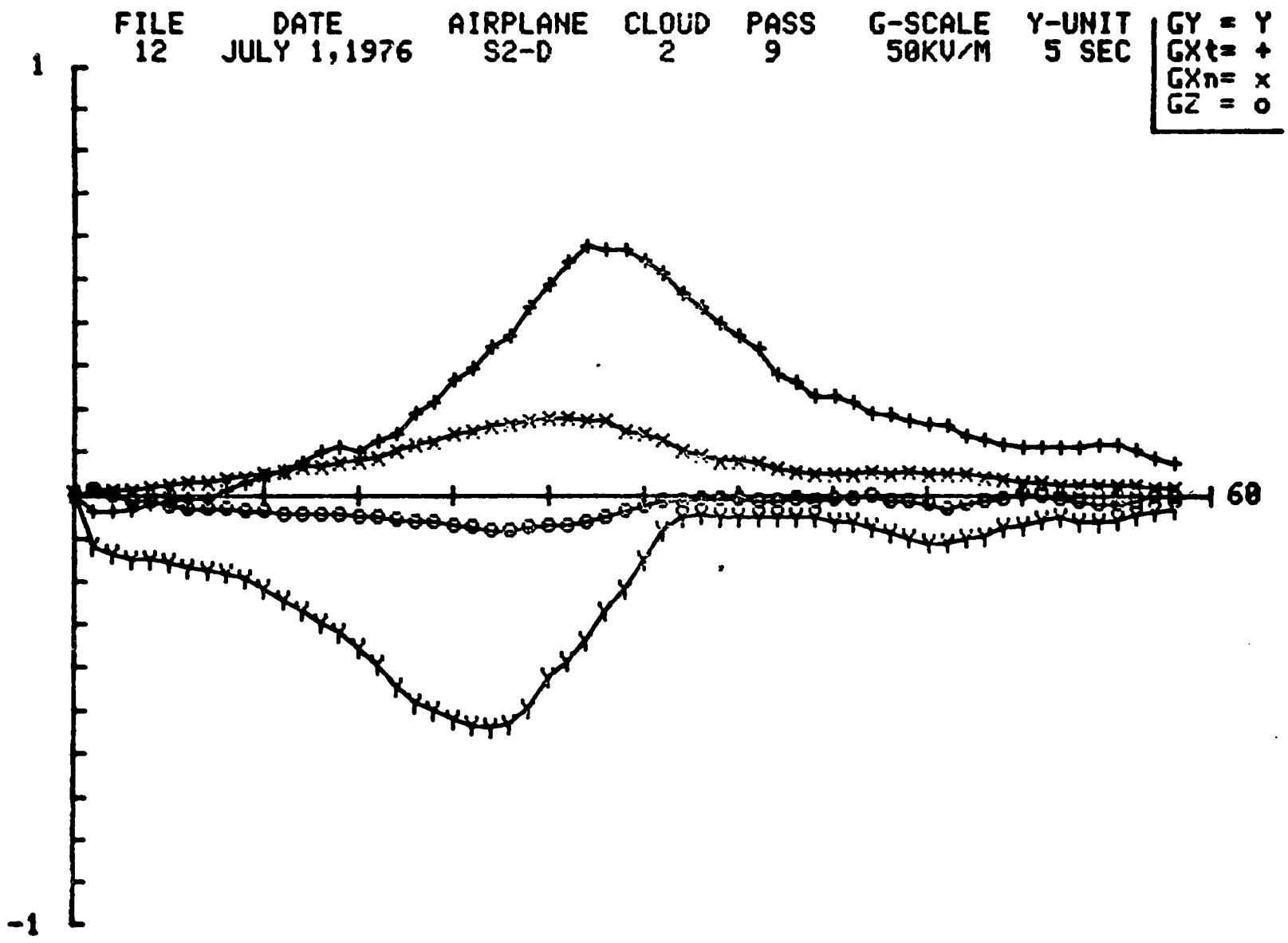

FILE
7
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
4
G-SCALE
0KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
25

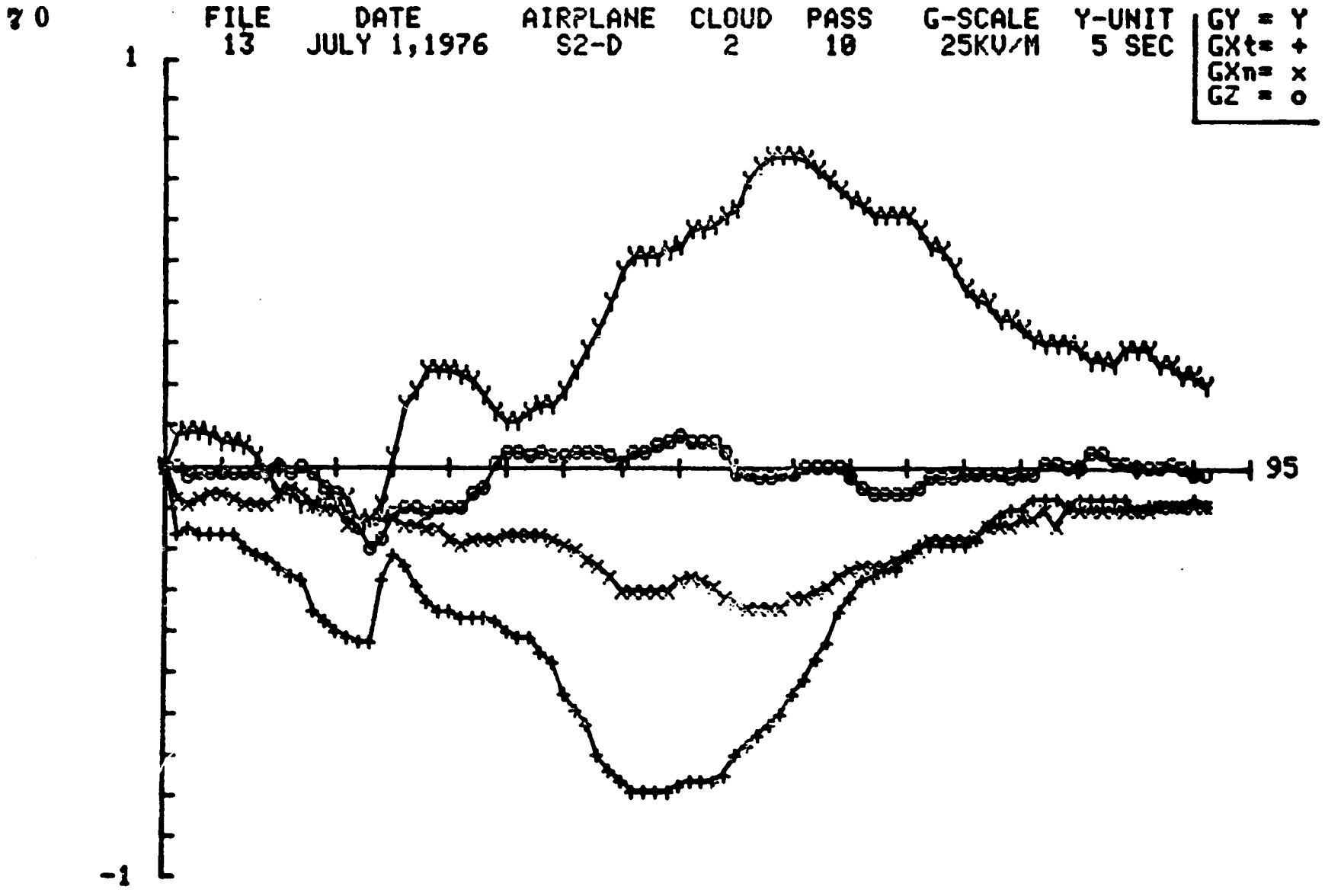

FILE
8
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
5
G-SCALE
0KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
25

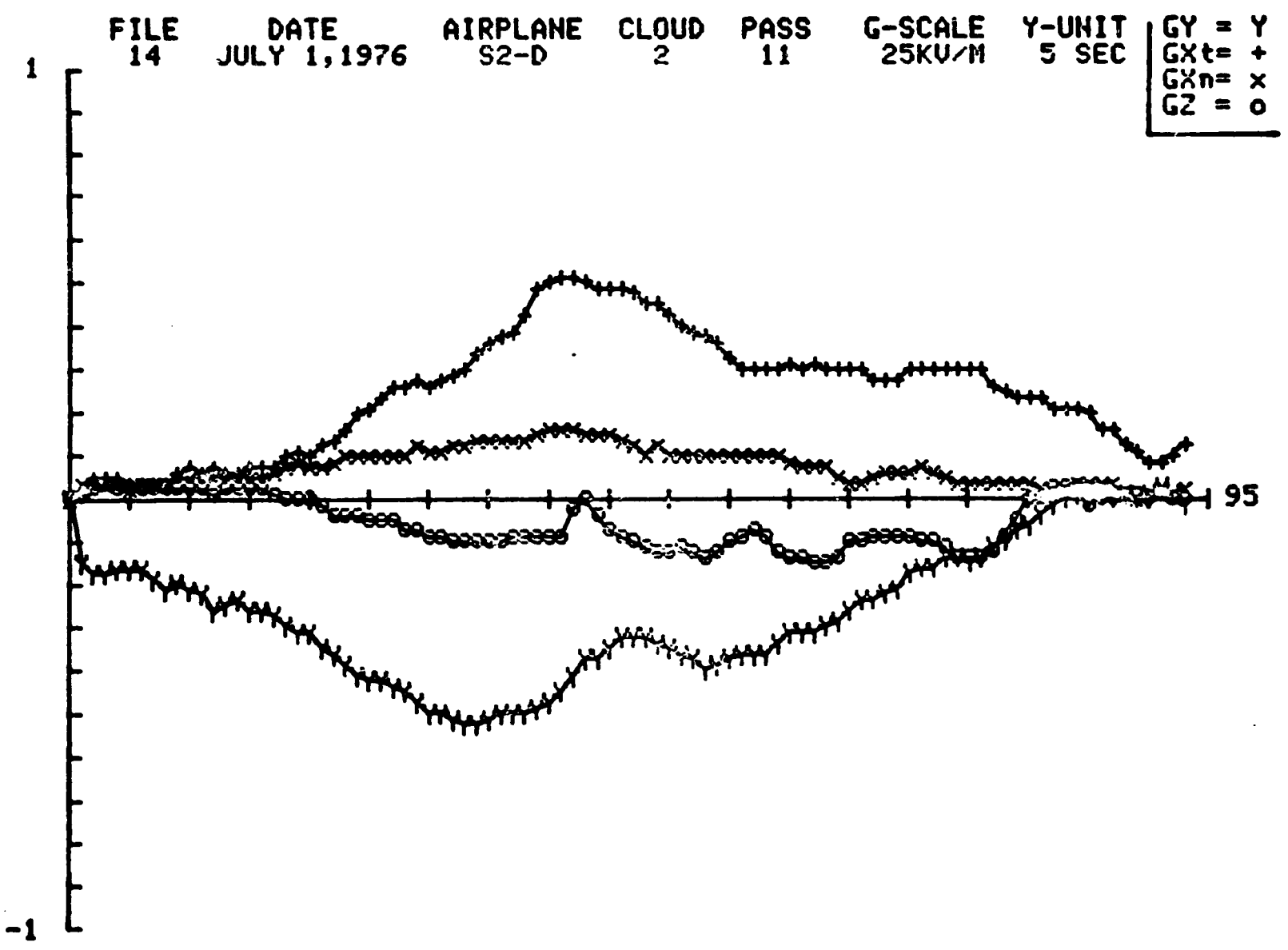

66
FILE
9
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
6
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

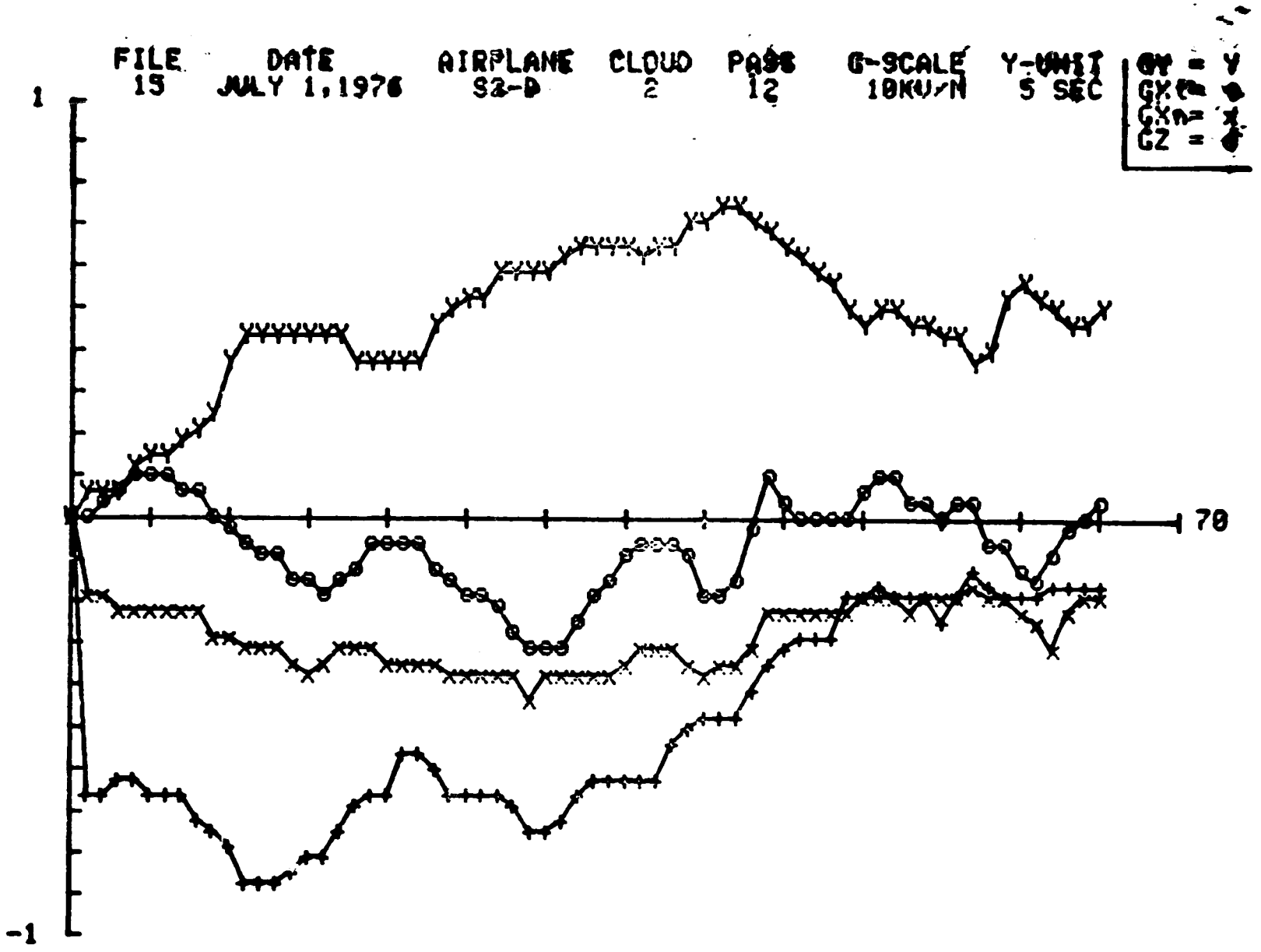

FILE
10
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
7
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

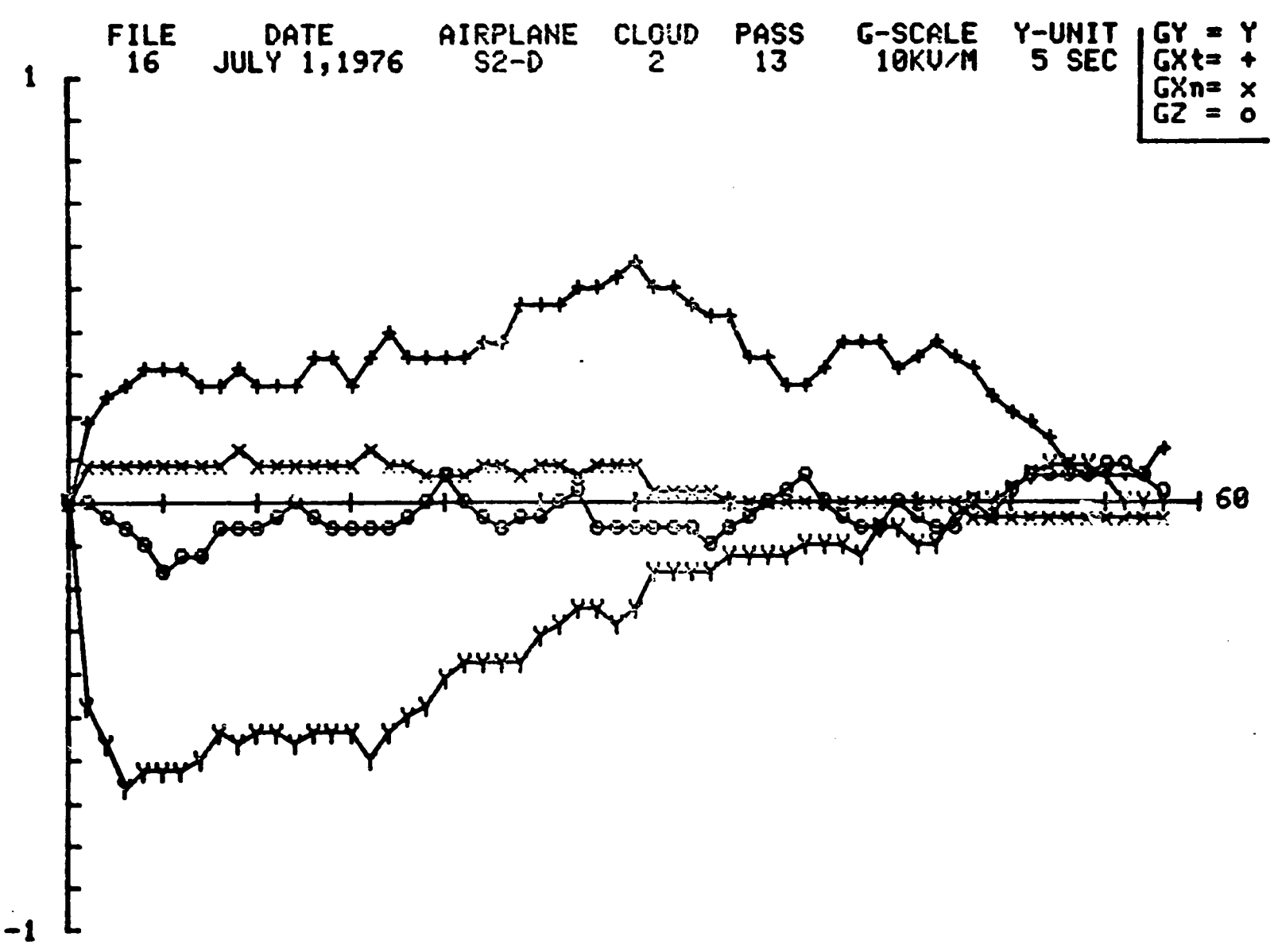

FILE
11
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
8
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

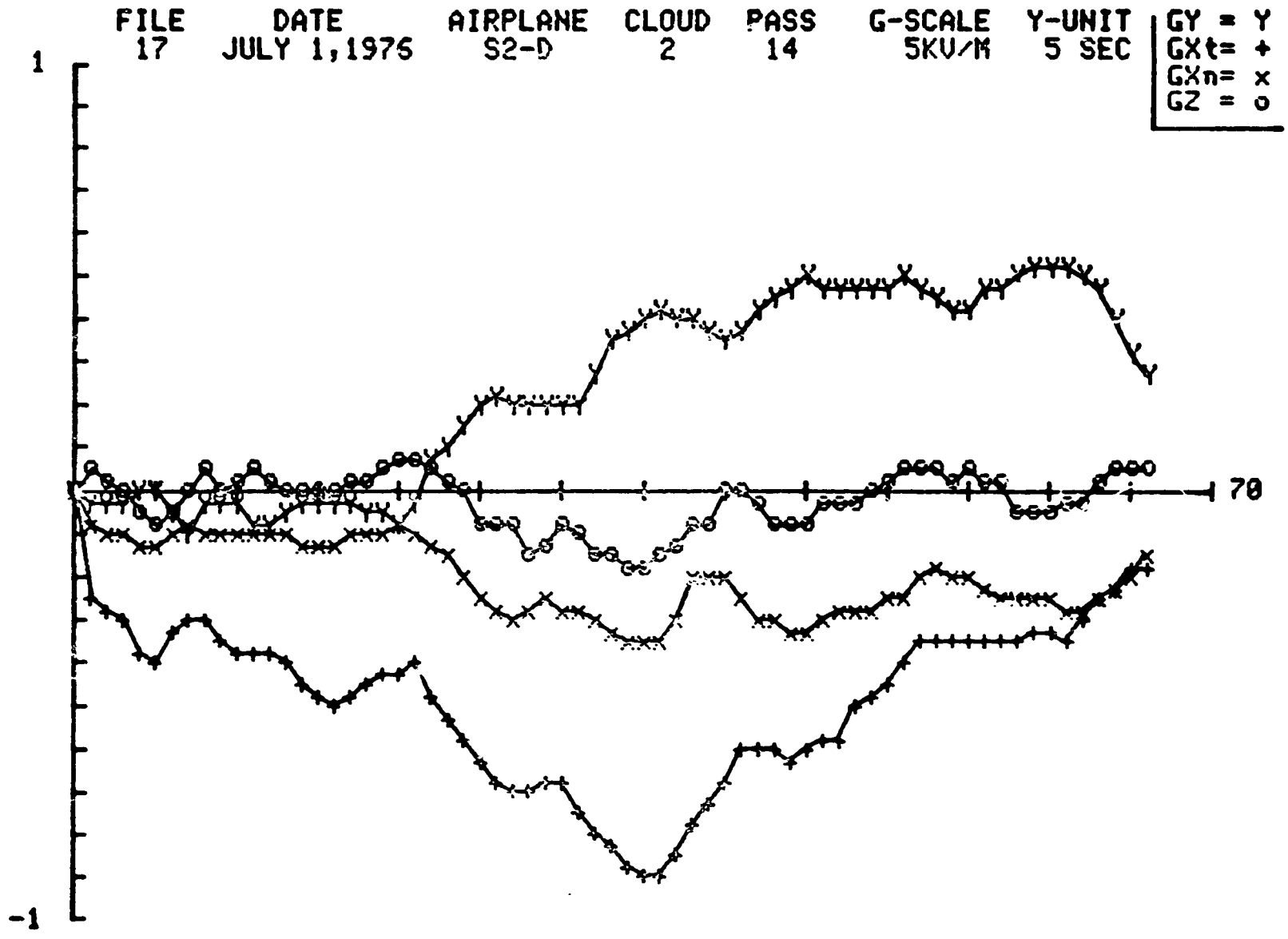

FILE
12
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
9
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

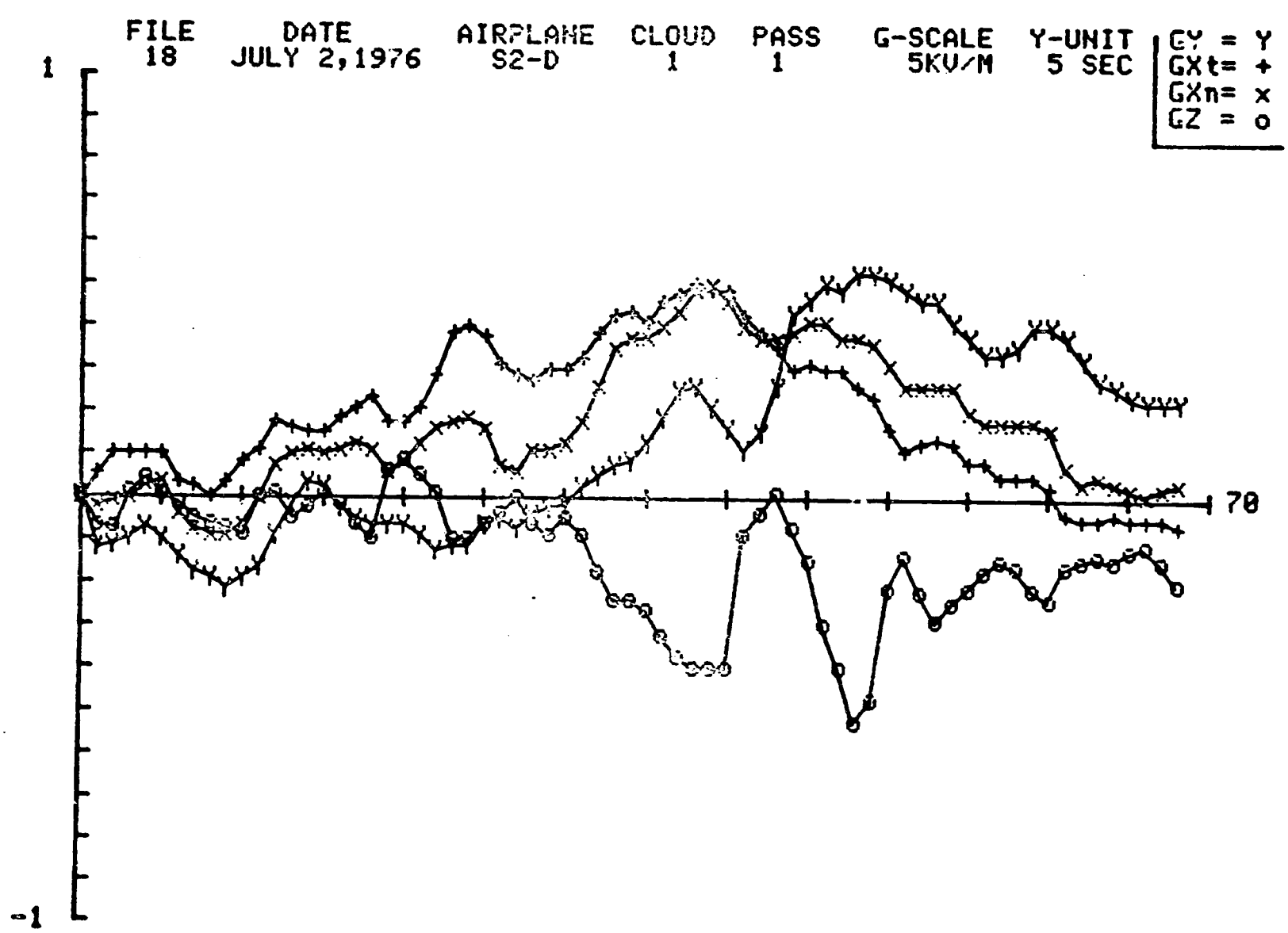

7 0
FILE
13
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
10
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
95

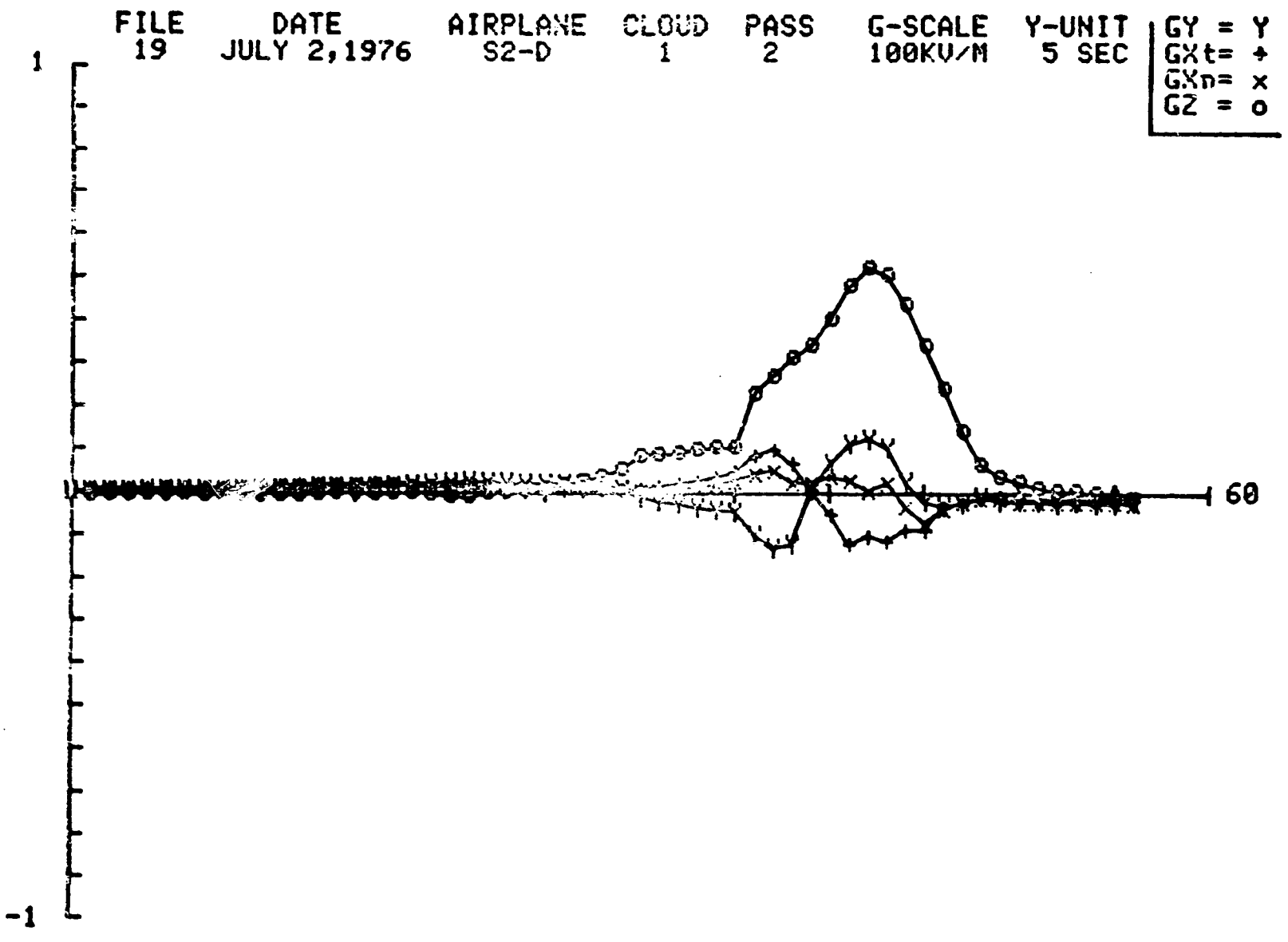

FILE 14
DATE JULY 1,1976
AIRPLANE S2-D
CLOUD 2
PASS 11
G-SCALE 25KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
G2 = o
1
-1
95

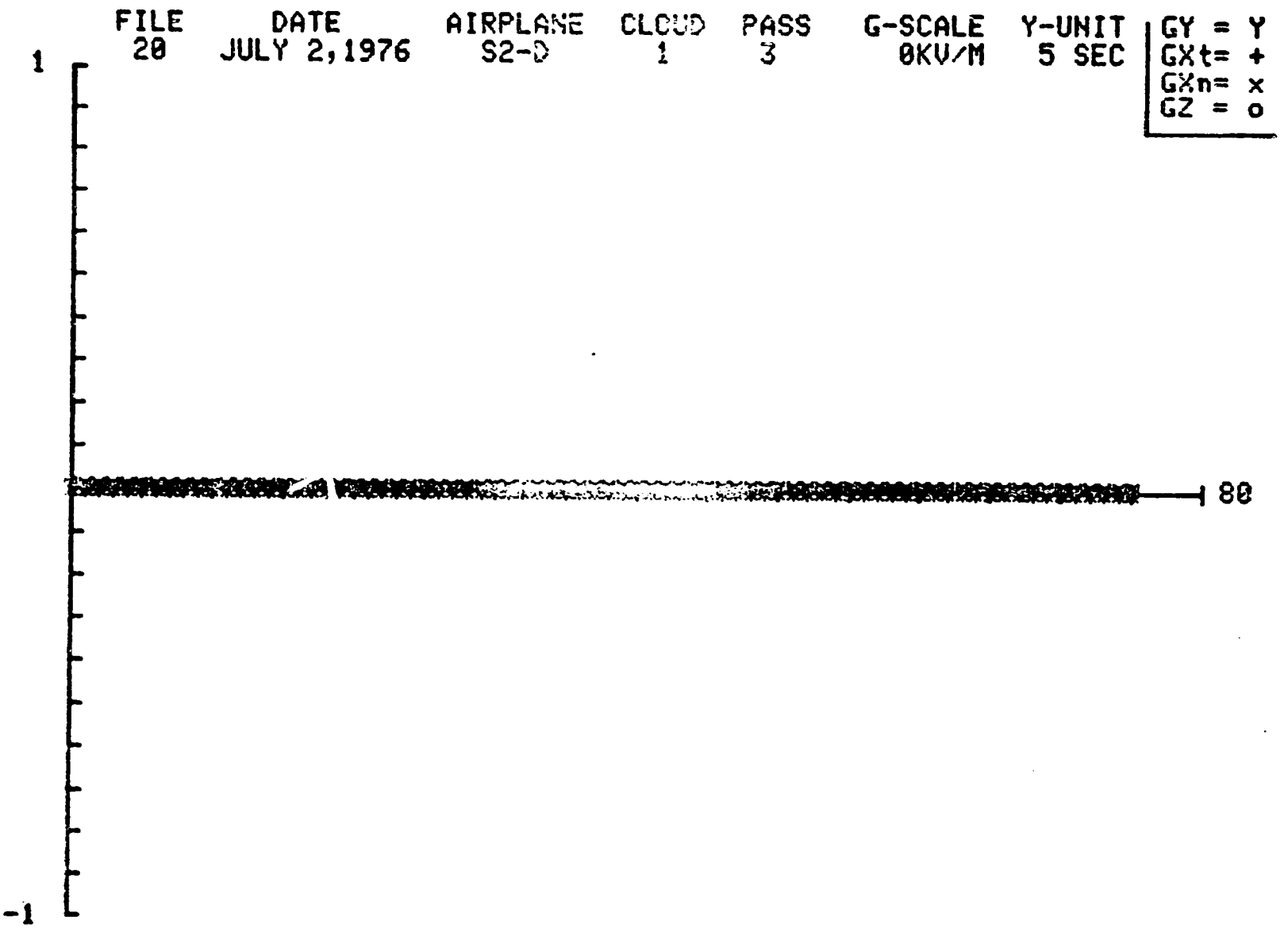

FILE
15
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
12
G-SCALE
10KU/N
Y-UNIT
5 SEC
GY = Y
GZ =
1
-1
70


FILE
16
DATE
JULY 1,1976
AIRPLANE
S2-D
CLOUD
2
PASS
13
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

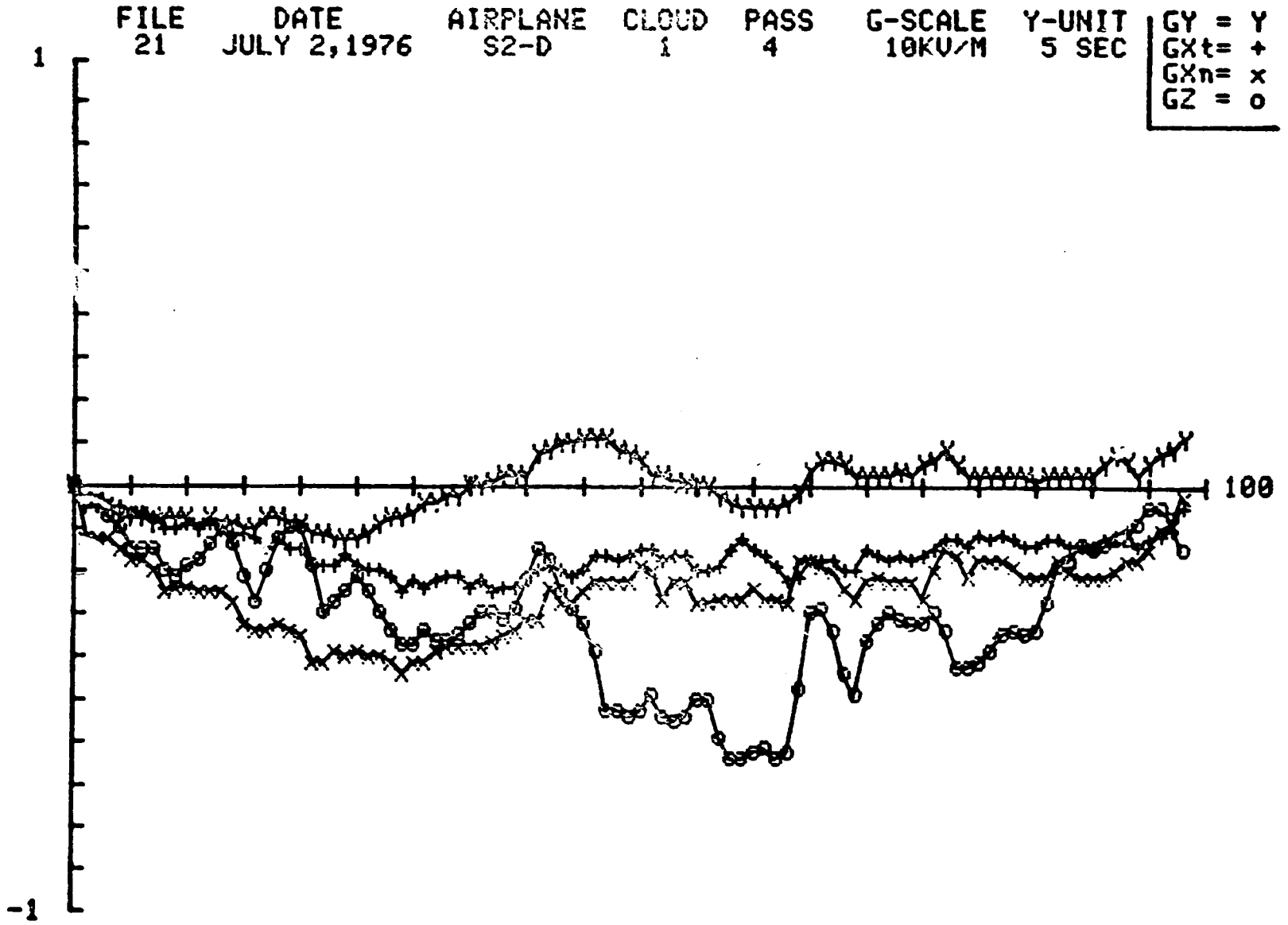

FILE
17
DATE
JULY 1,1975
AIRPLANE
S2-D
CLOUD
2
PASS
14
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

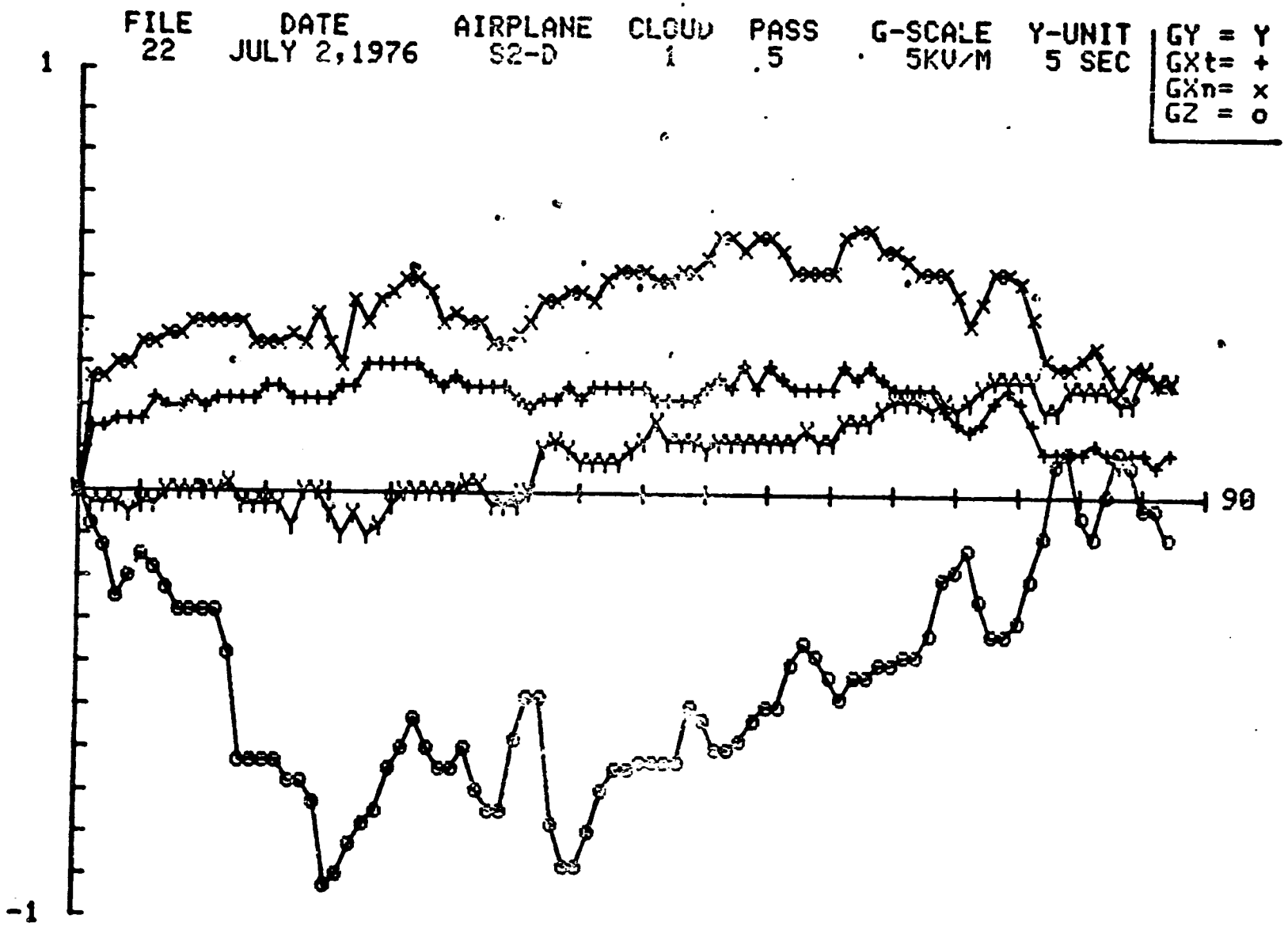

FILE
18
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
1
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

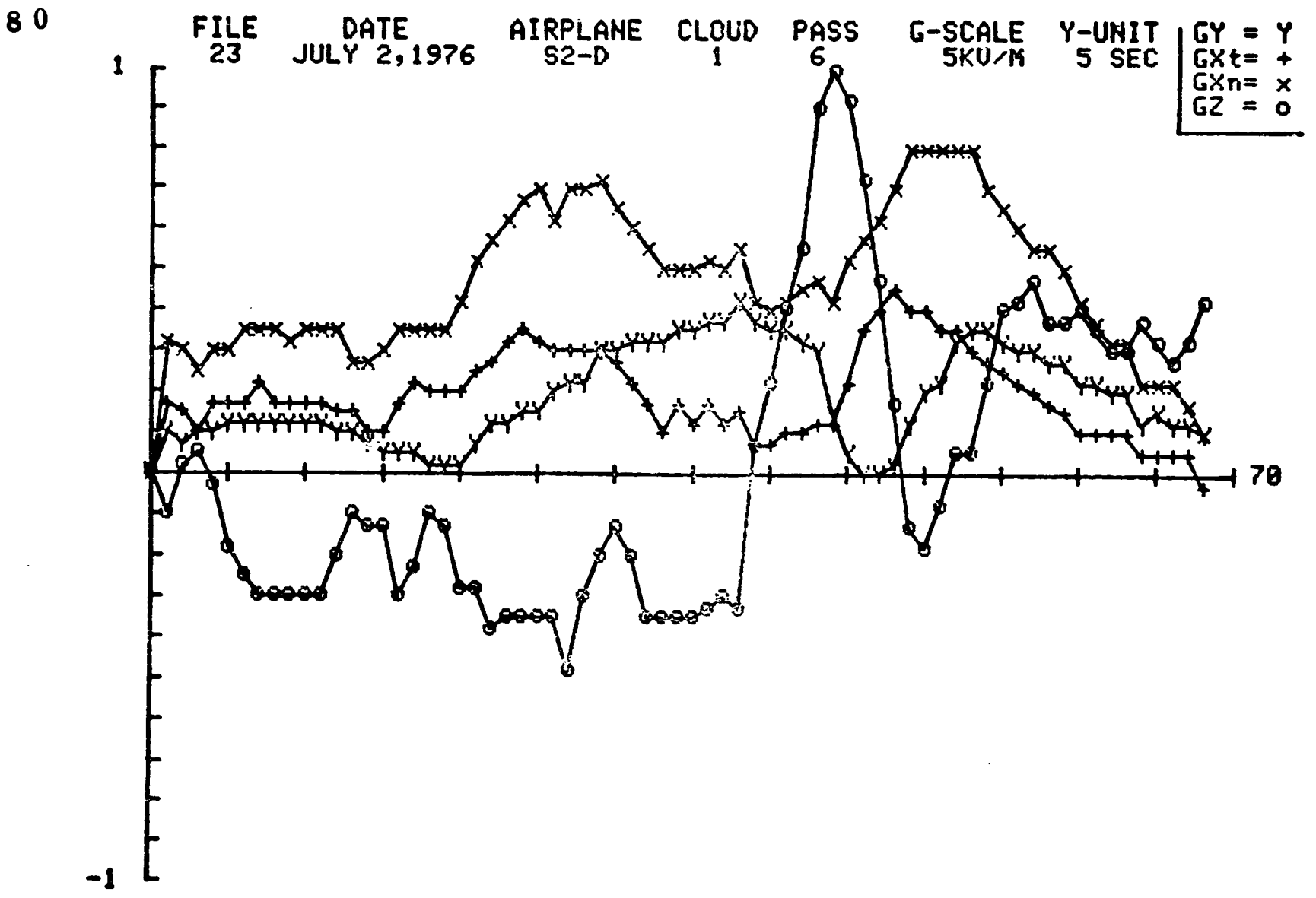

76
FILE
19
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
2
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

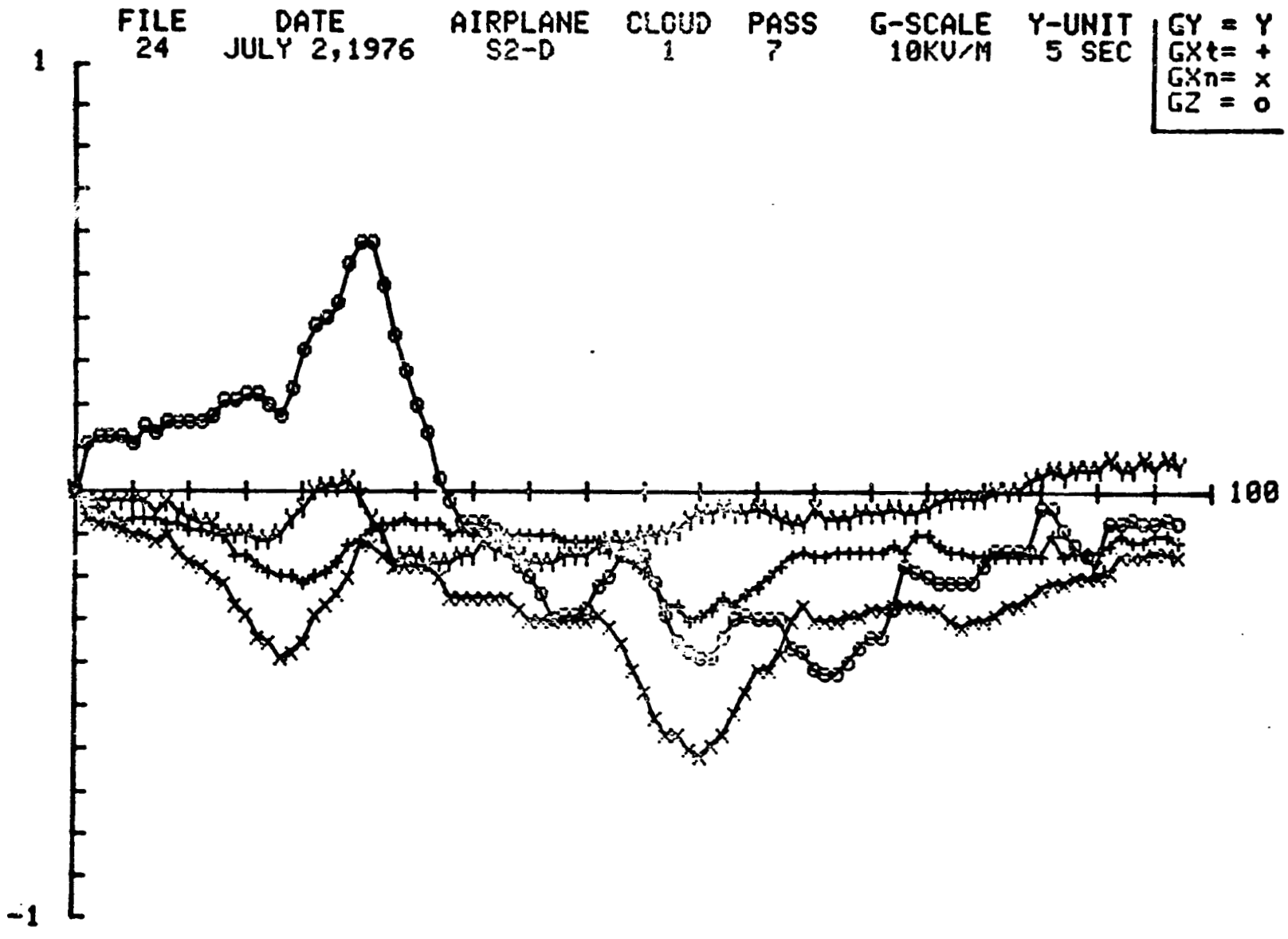

FILE
20
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
3
G-SCALE
0KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
80

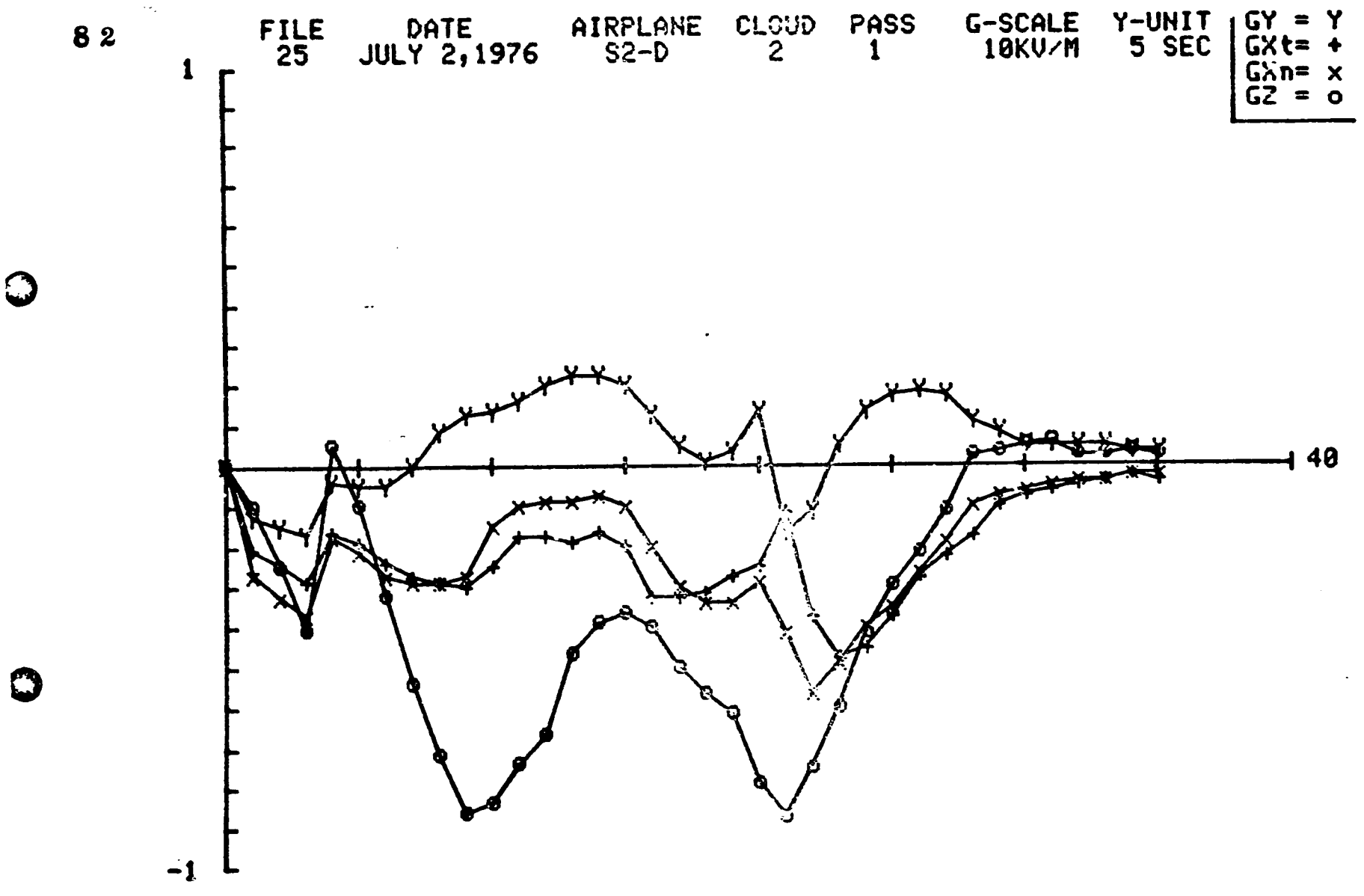
78

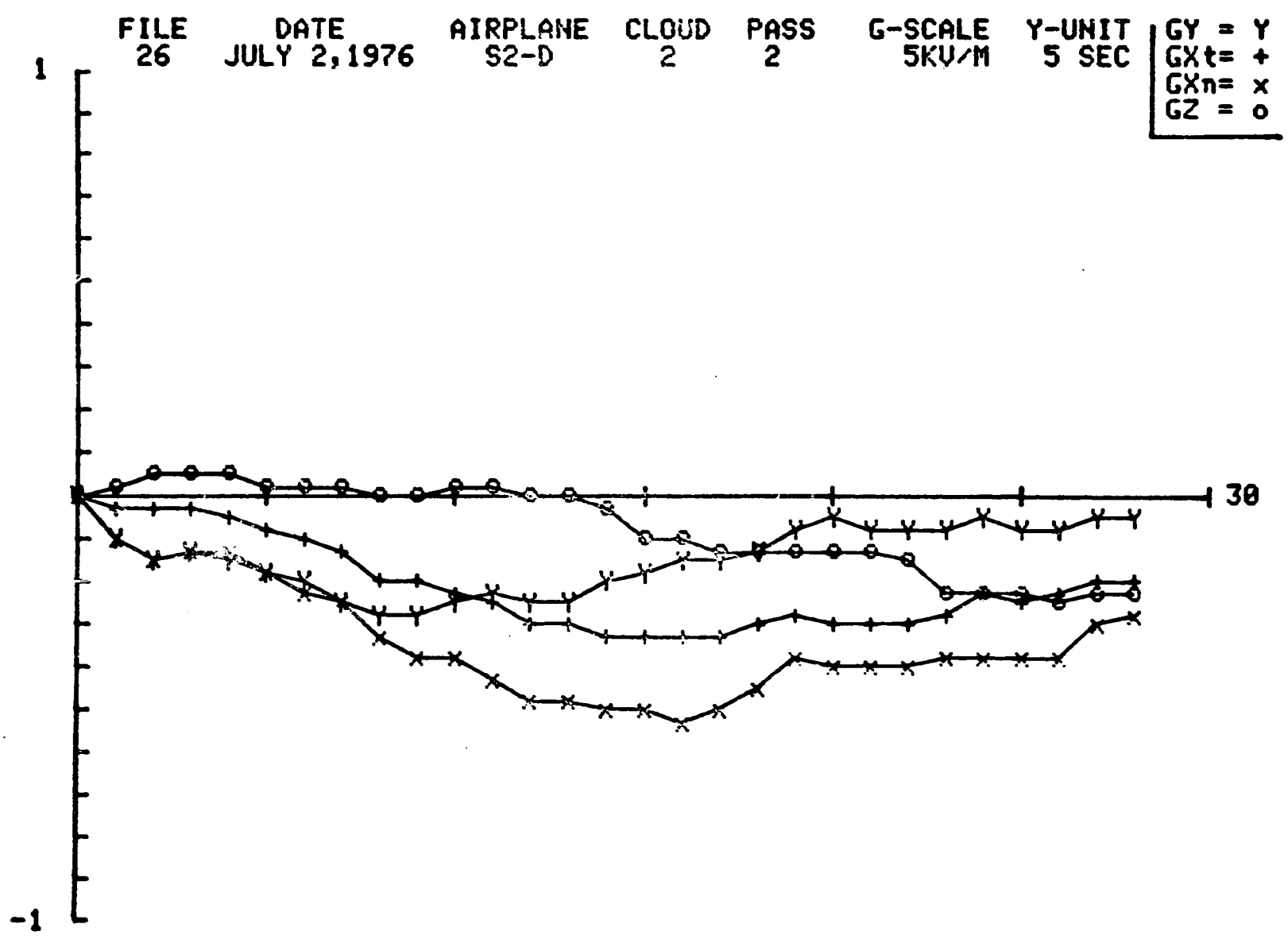

FILE
21
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
4
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
100

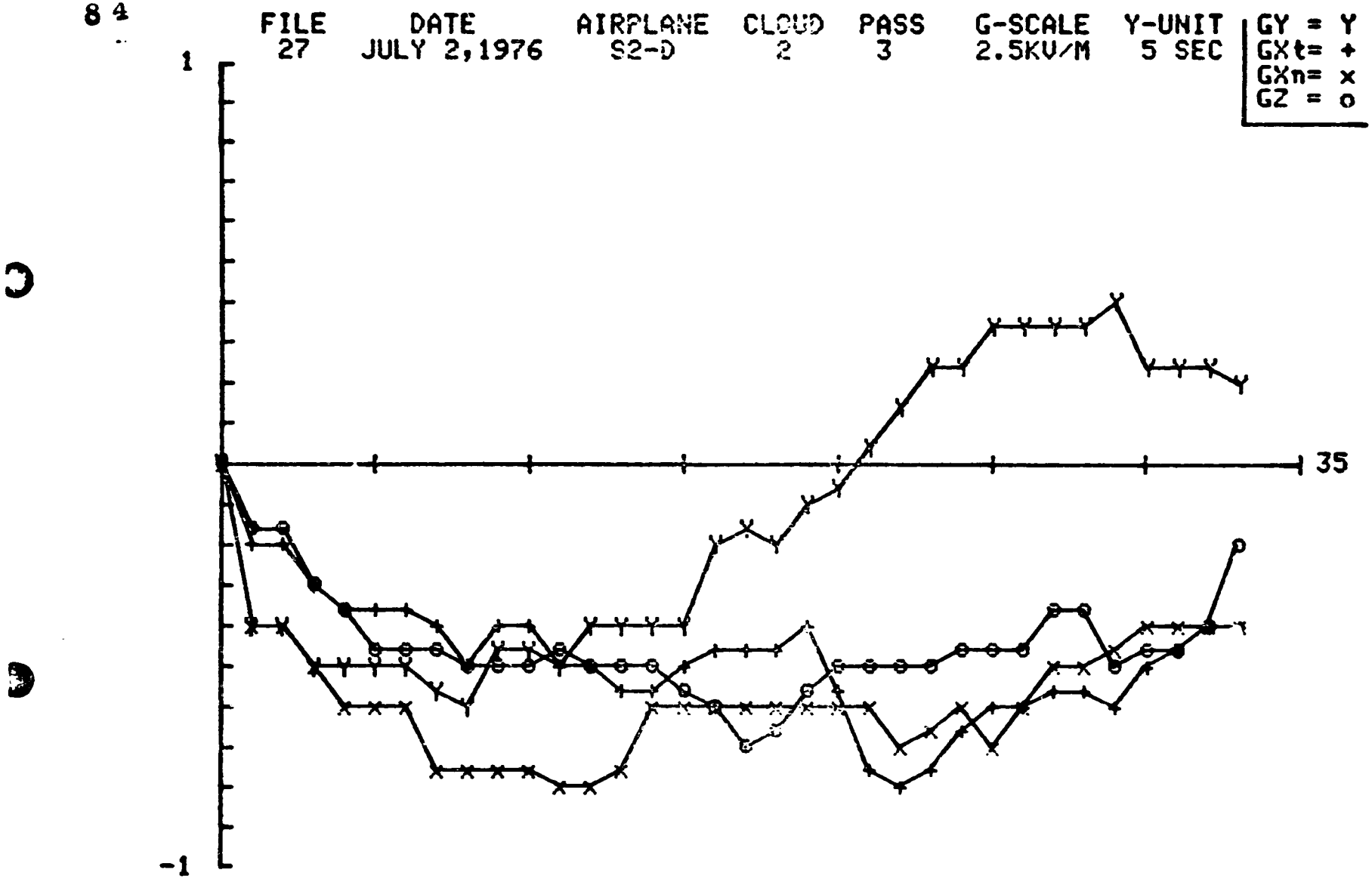

FILE
22
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
.5
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
90

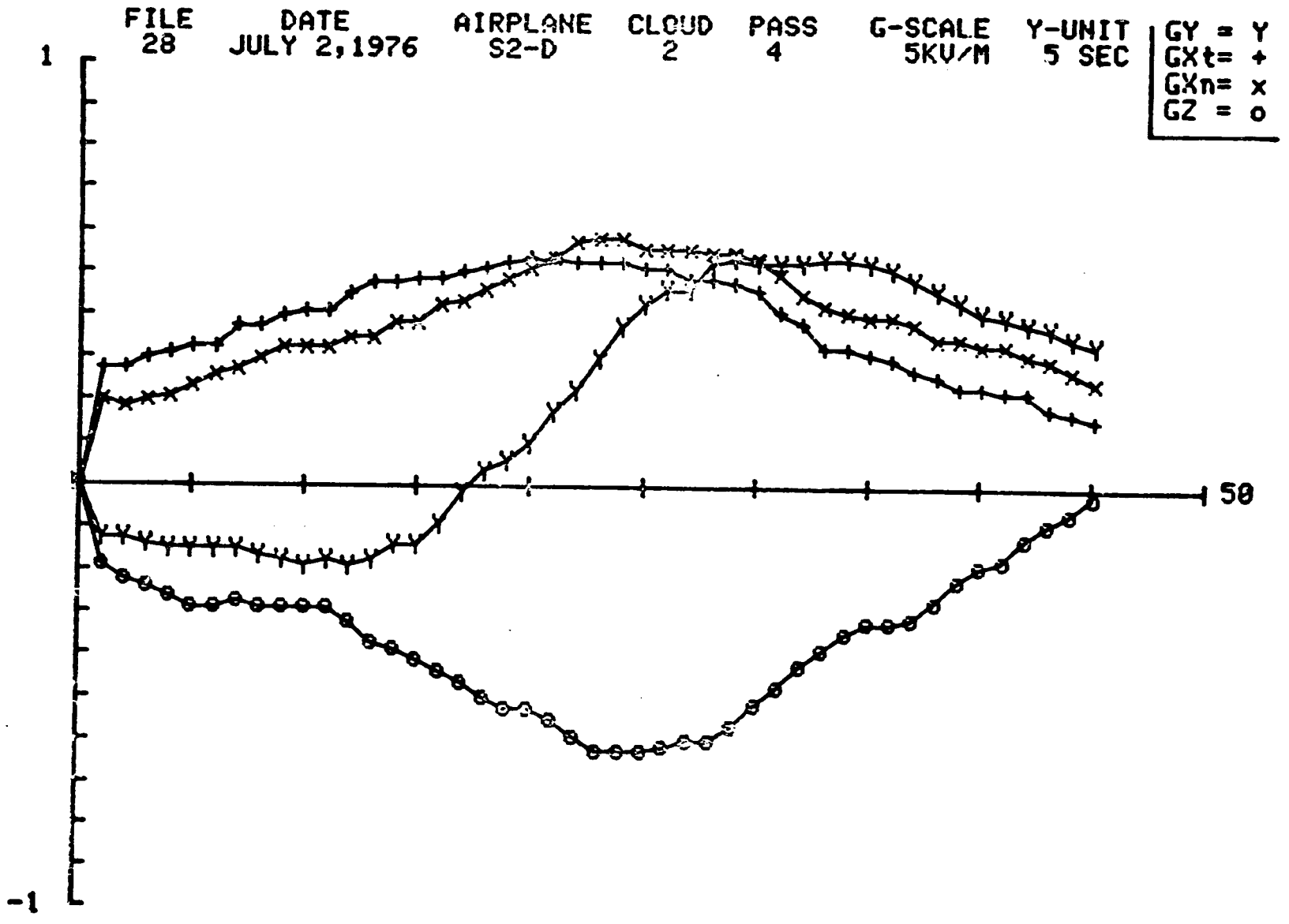

8 0
FILE
23
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
6
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

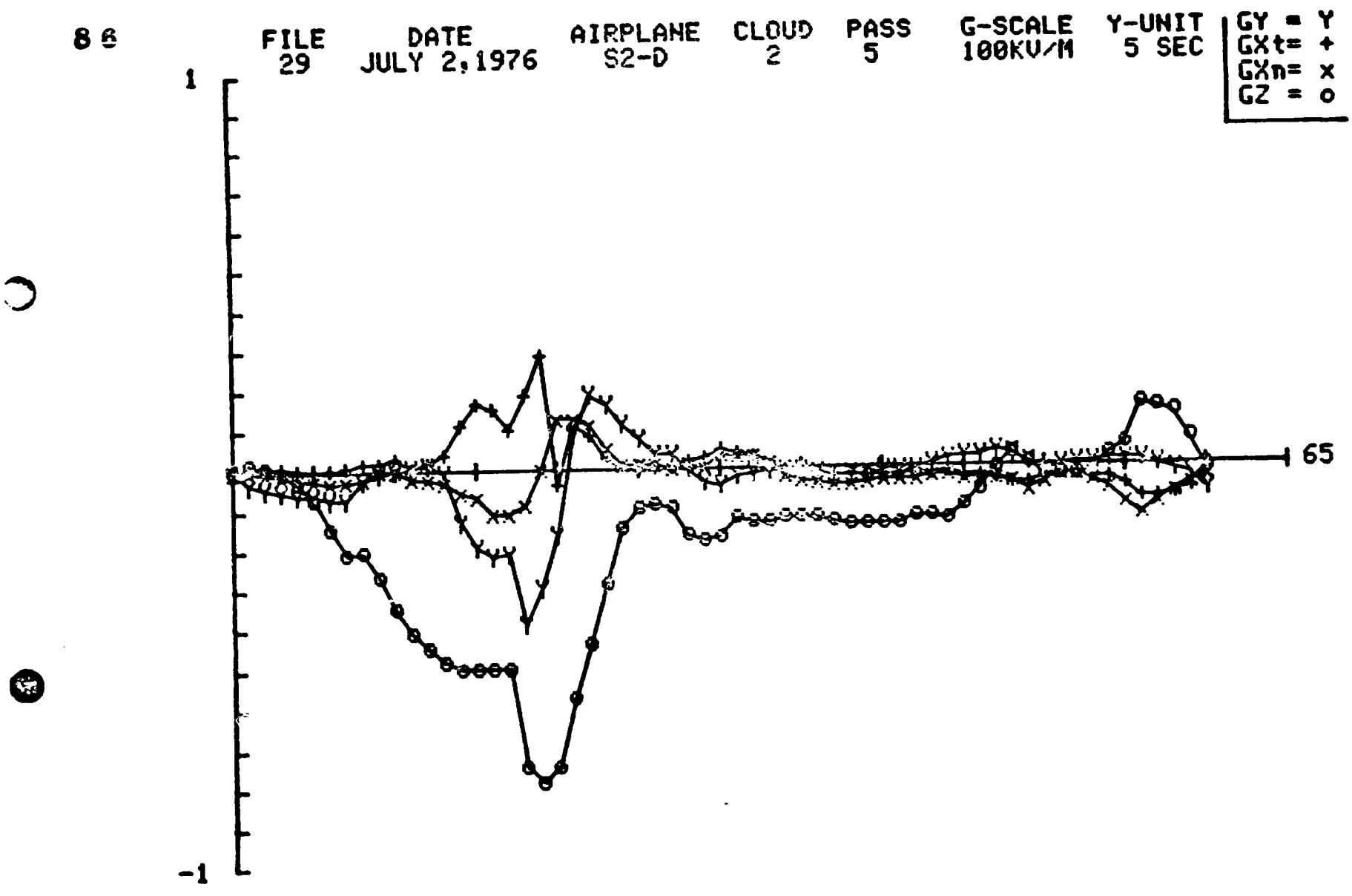

FILE
24
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
1
PASS
7
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
100

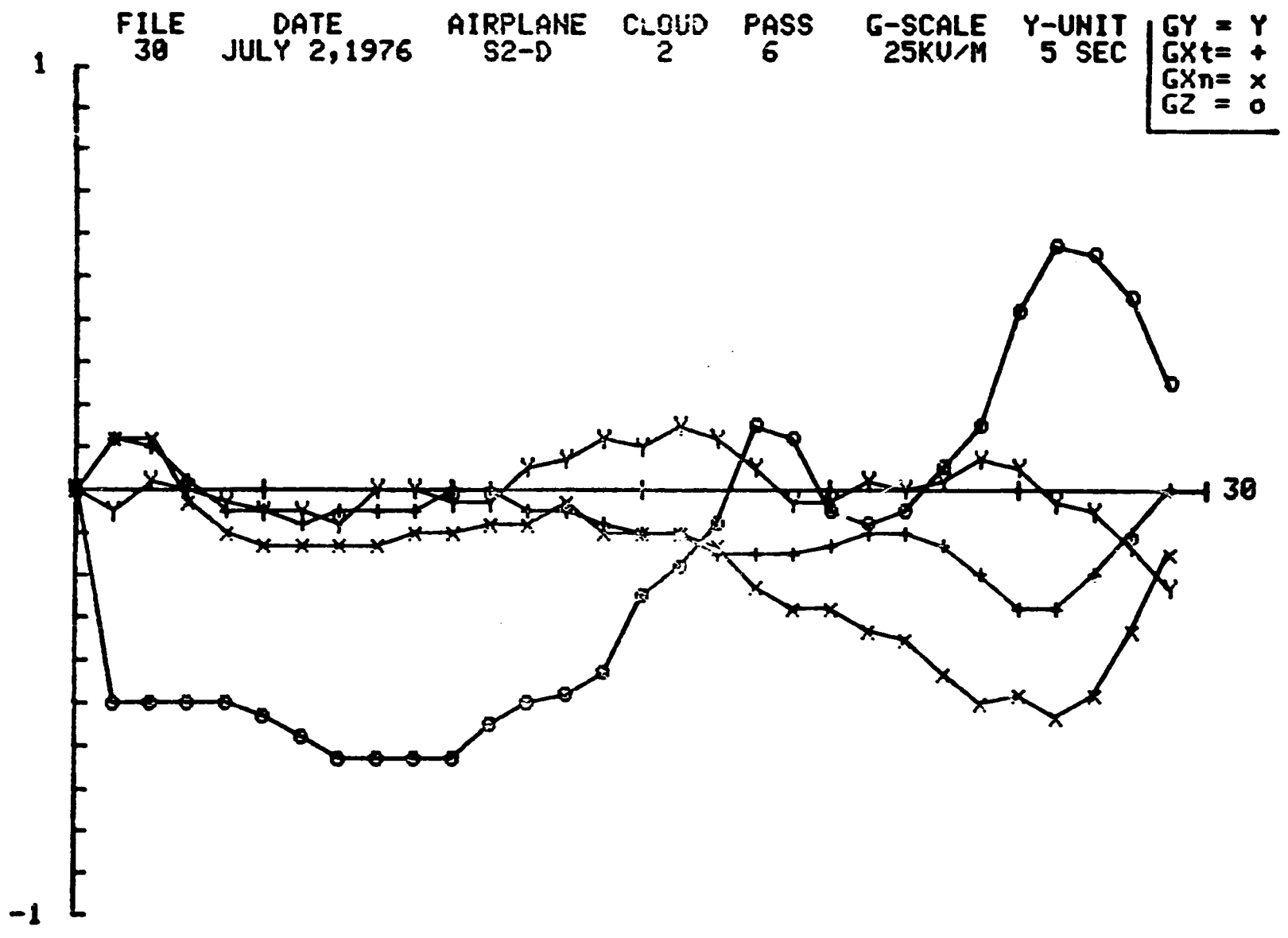

82
FILE 25
DATE JULY 2,1976
AIRPLANE S2-D
CLOUD 2
PASS 1
G-SCALE 10KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40


FILE
26
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
2
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
30

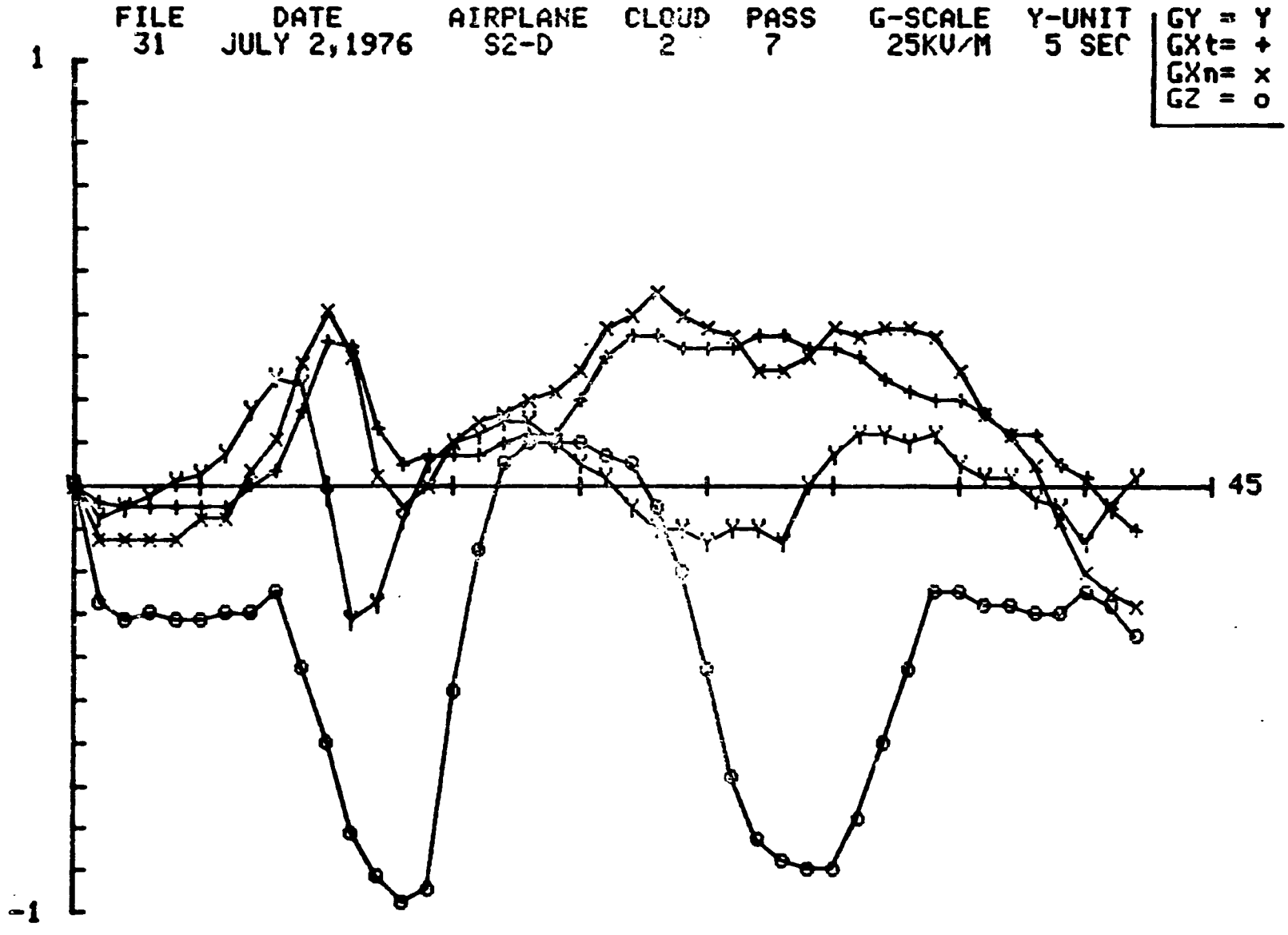

FILE
27
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
3
G-SCALE
2.5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
35

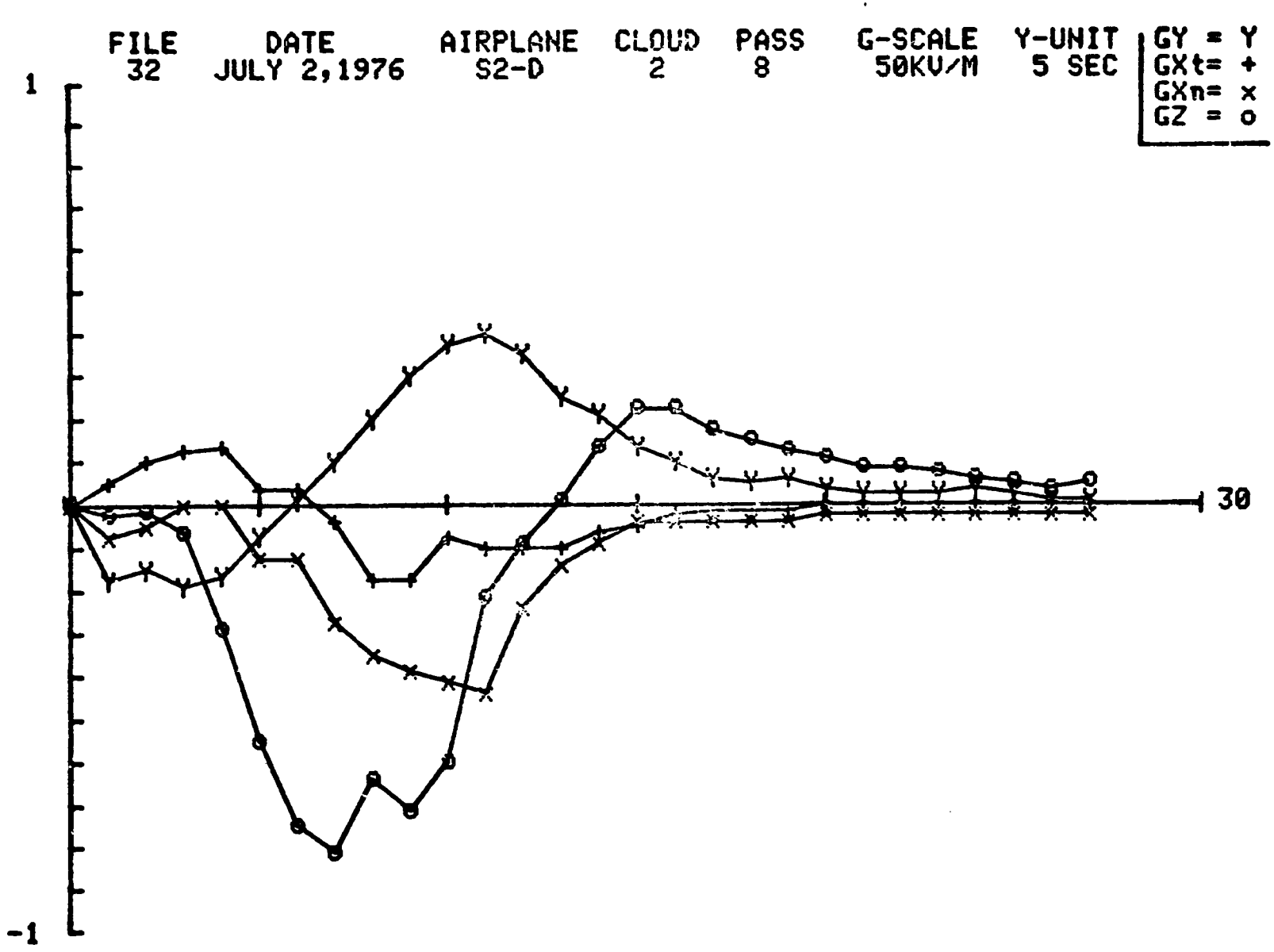

FILE
28
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
4
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

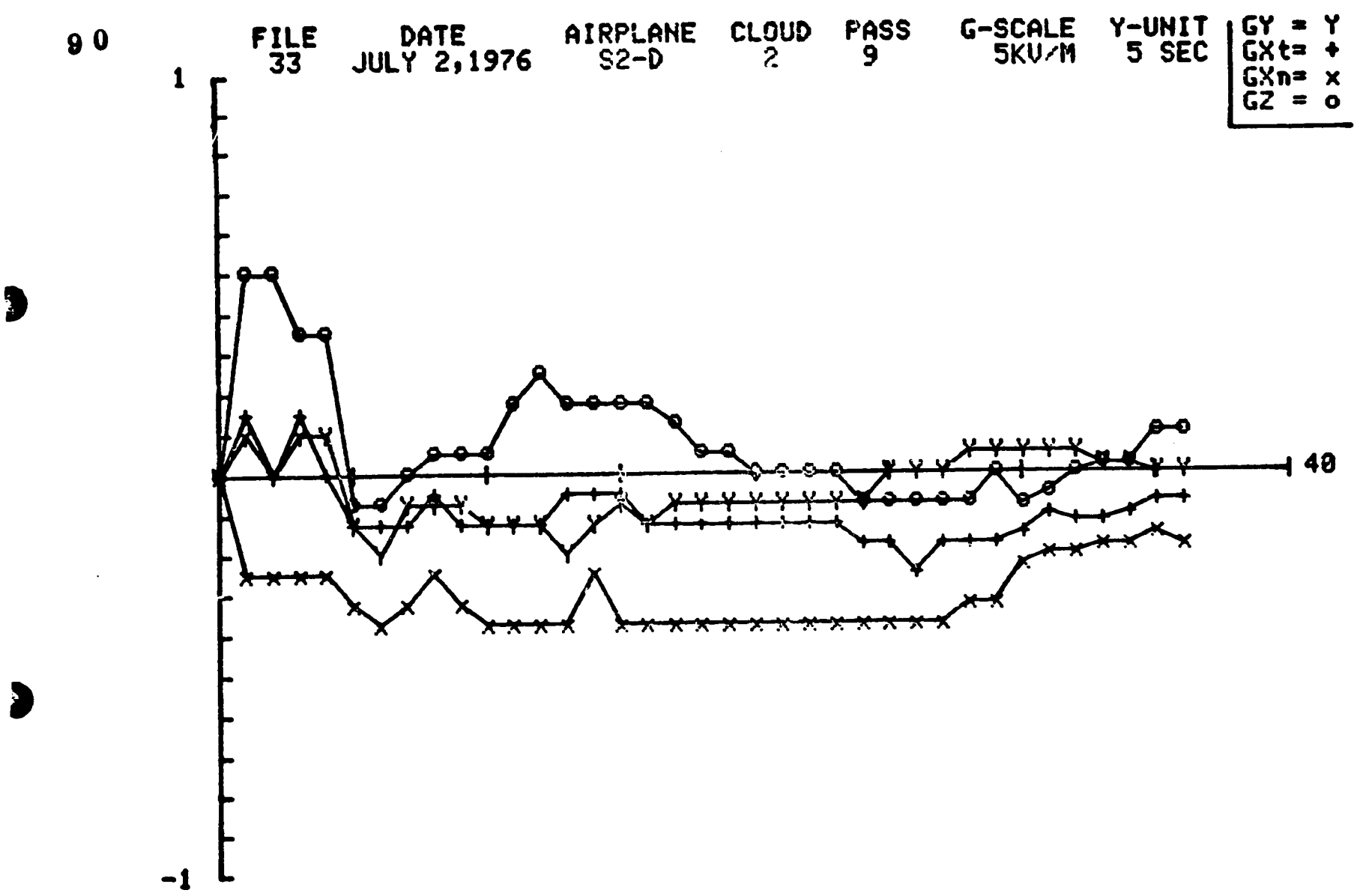

8 6
FILE
29
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
5
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

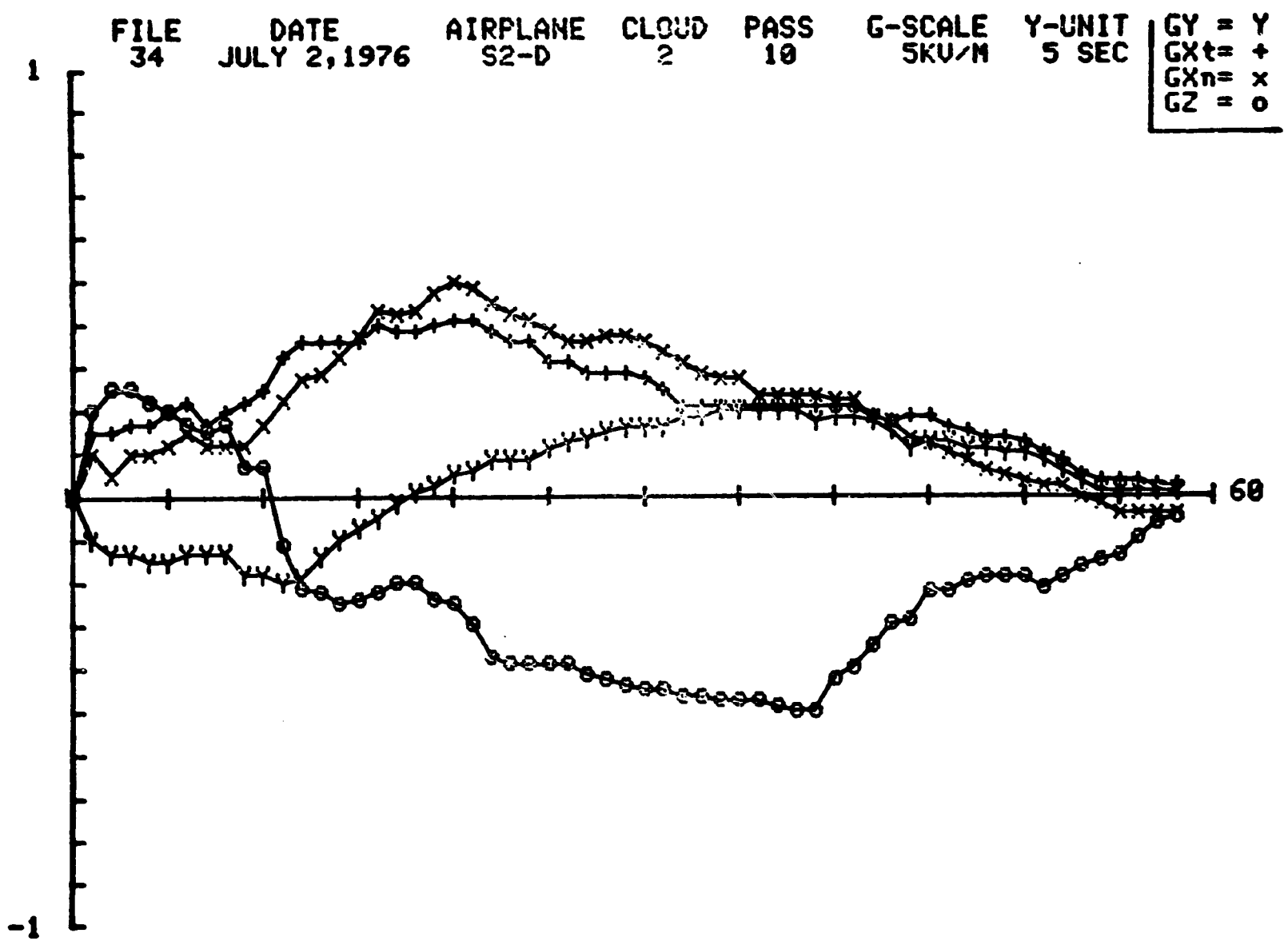

FILE
30
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
6
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
30

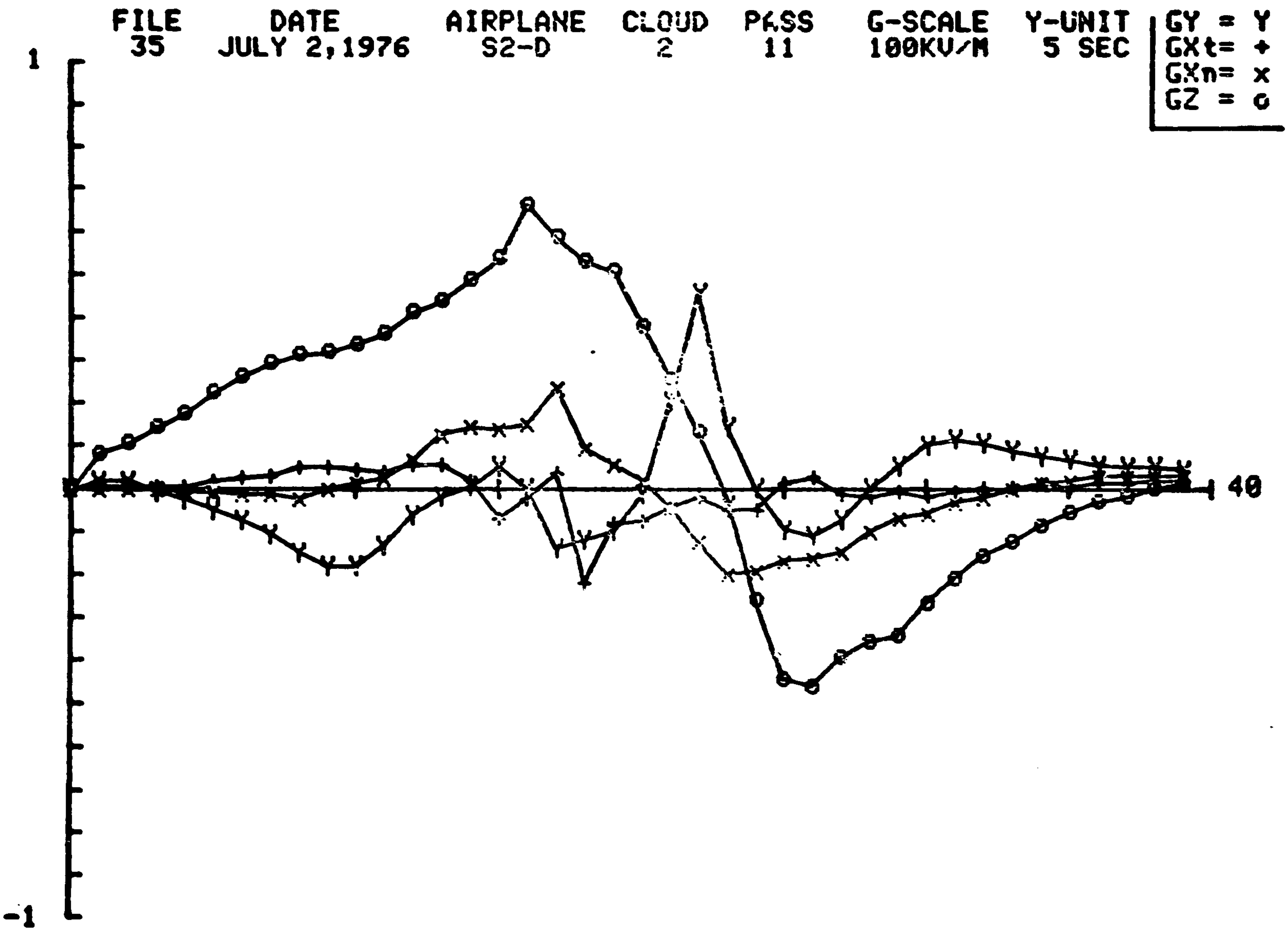
88

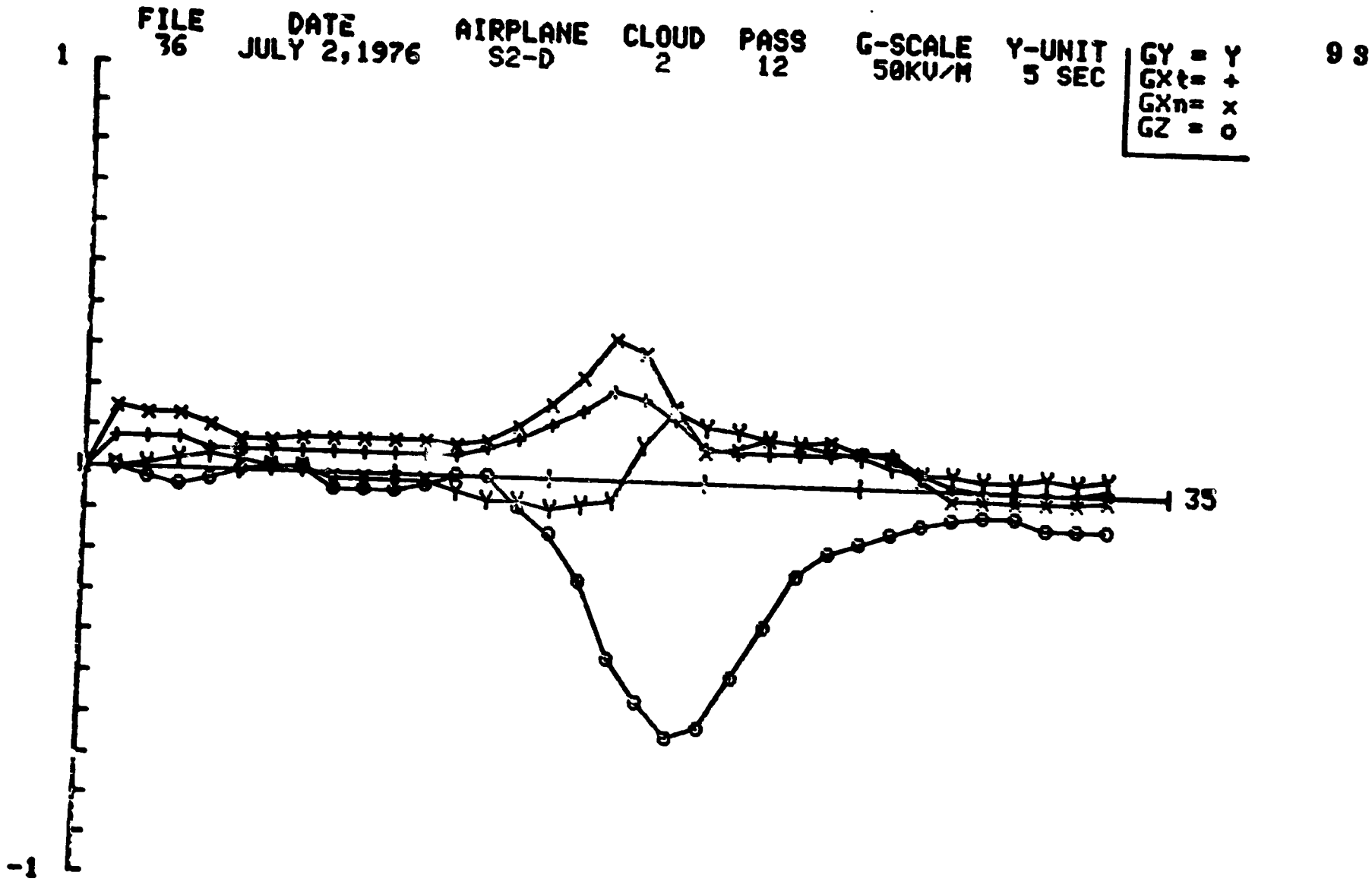

FILE
31
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
7
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

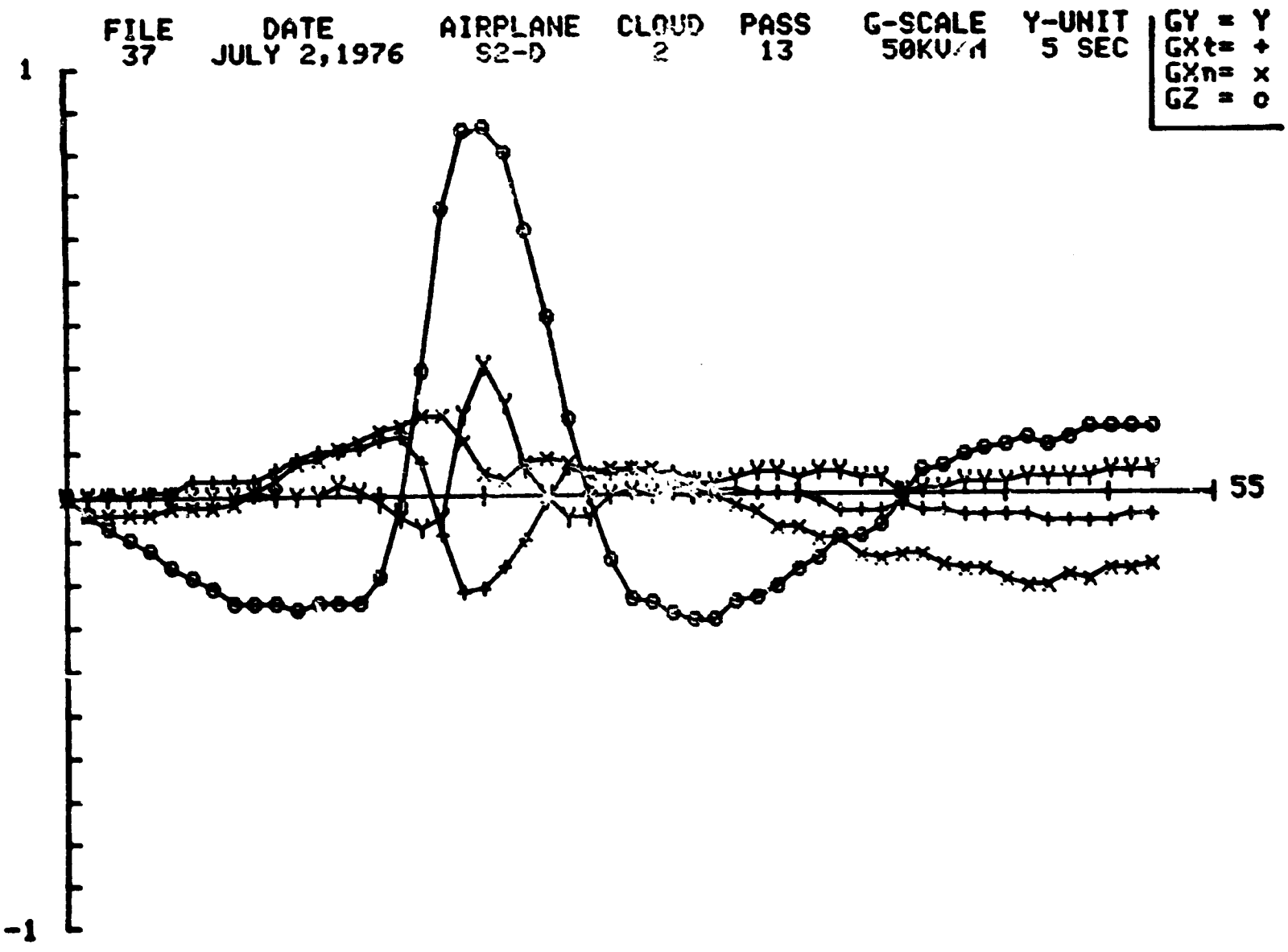

FILE
32
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
8
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
30

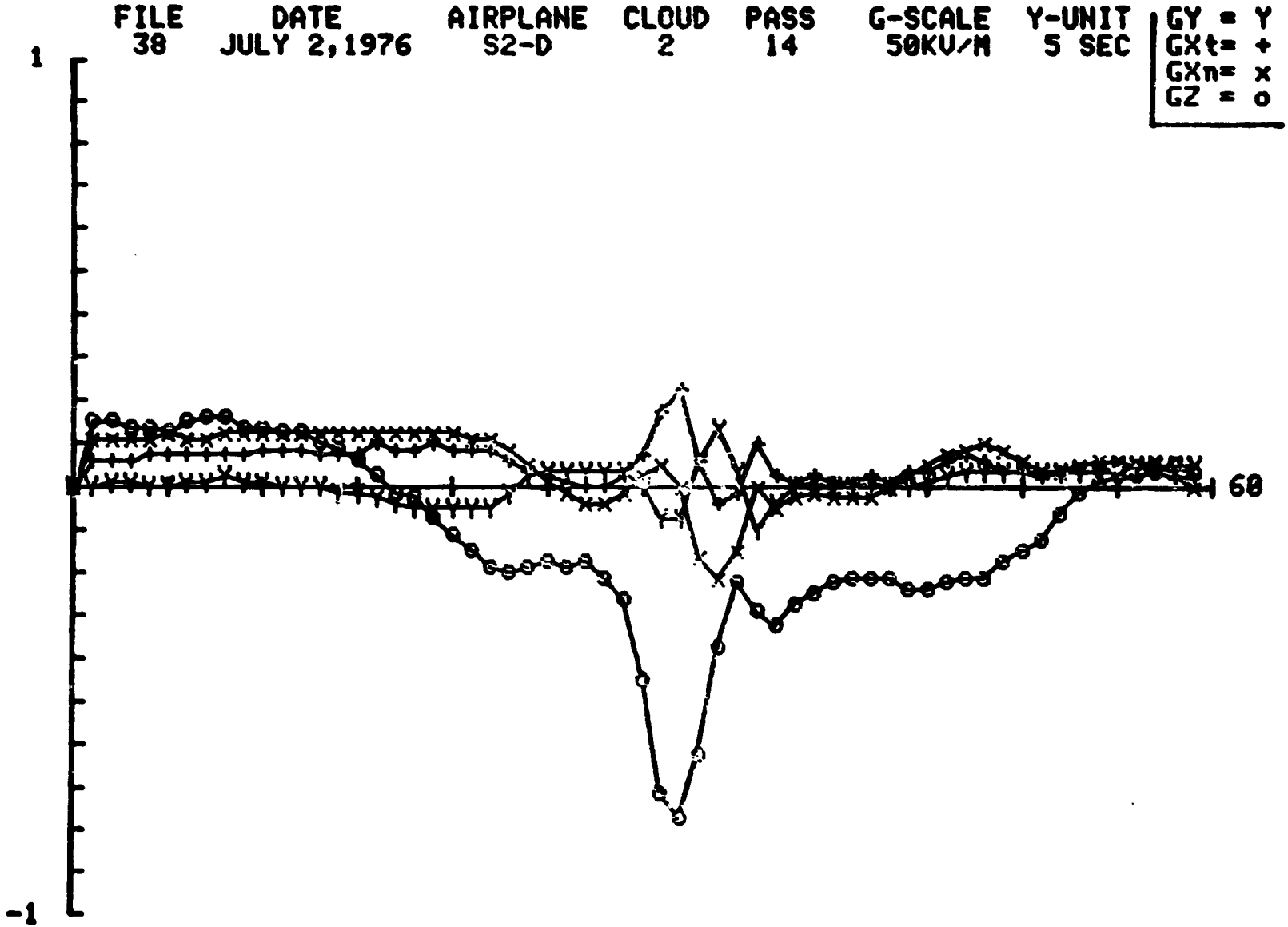

90
FILE
33
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
9
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

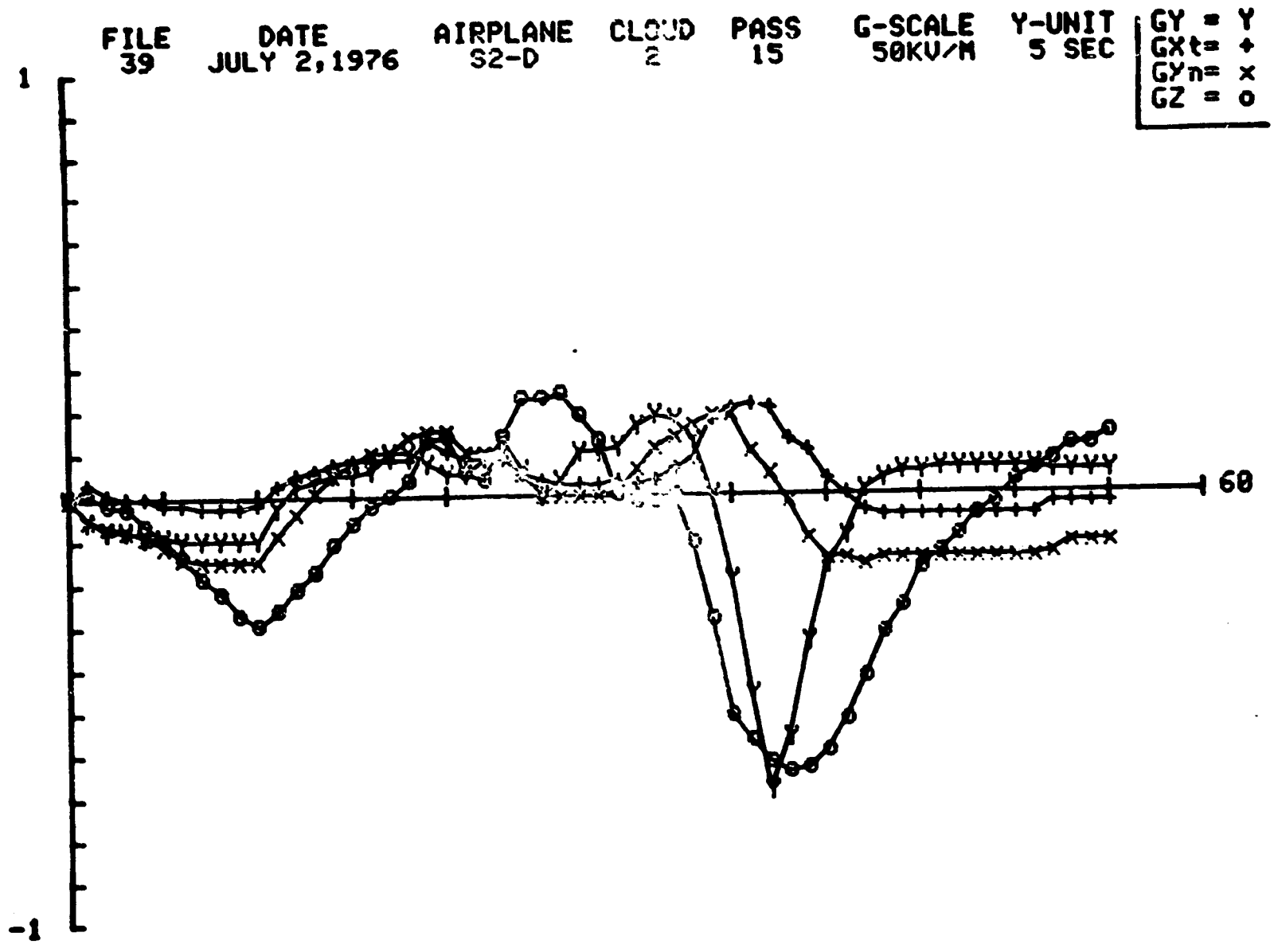

FILE
34
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
10
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

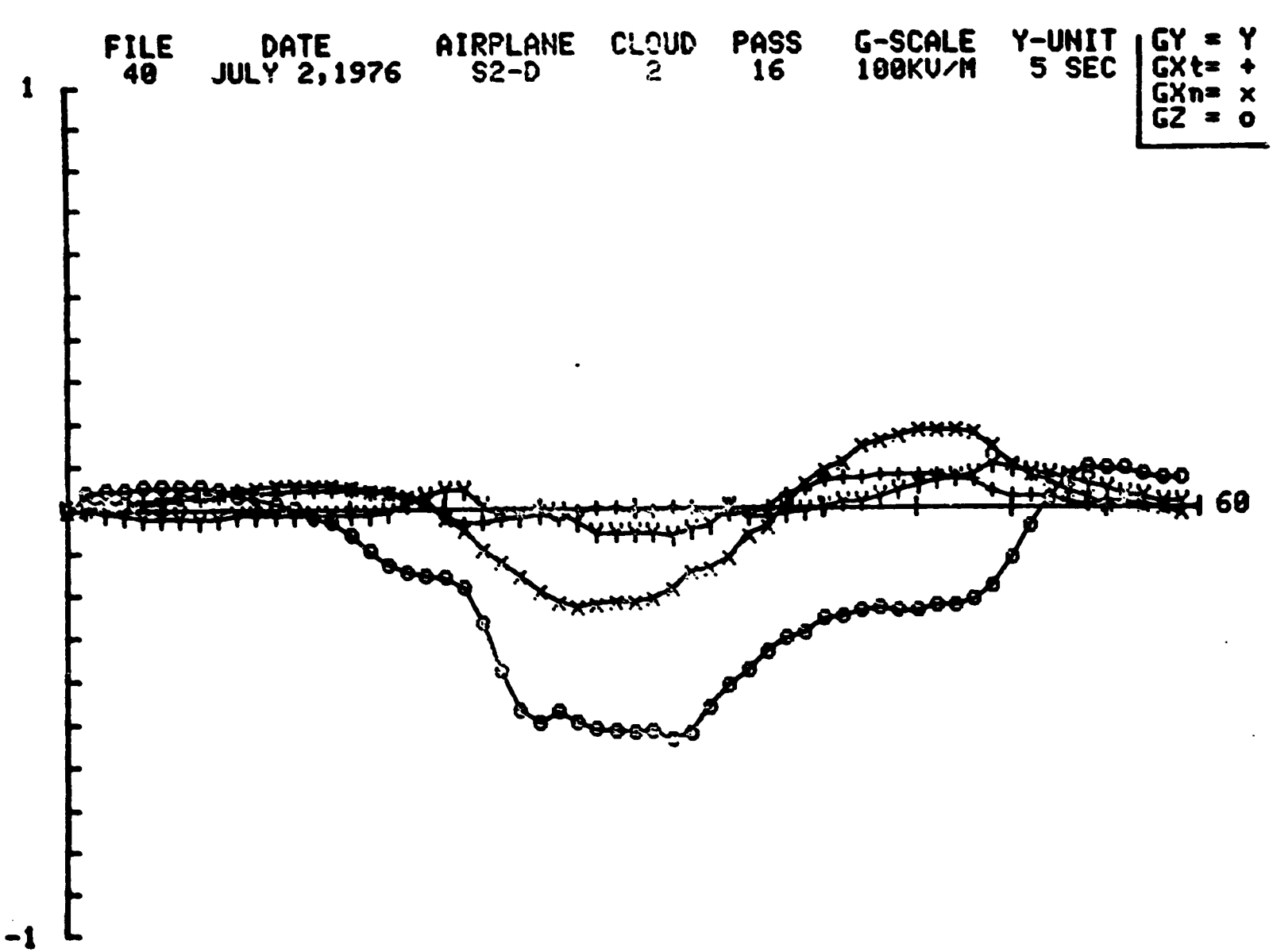

FILE
35
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
11
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

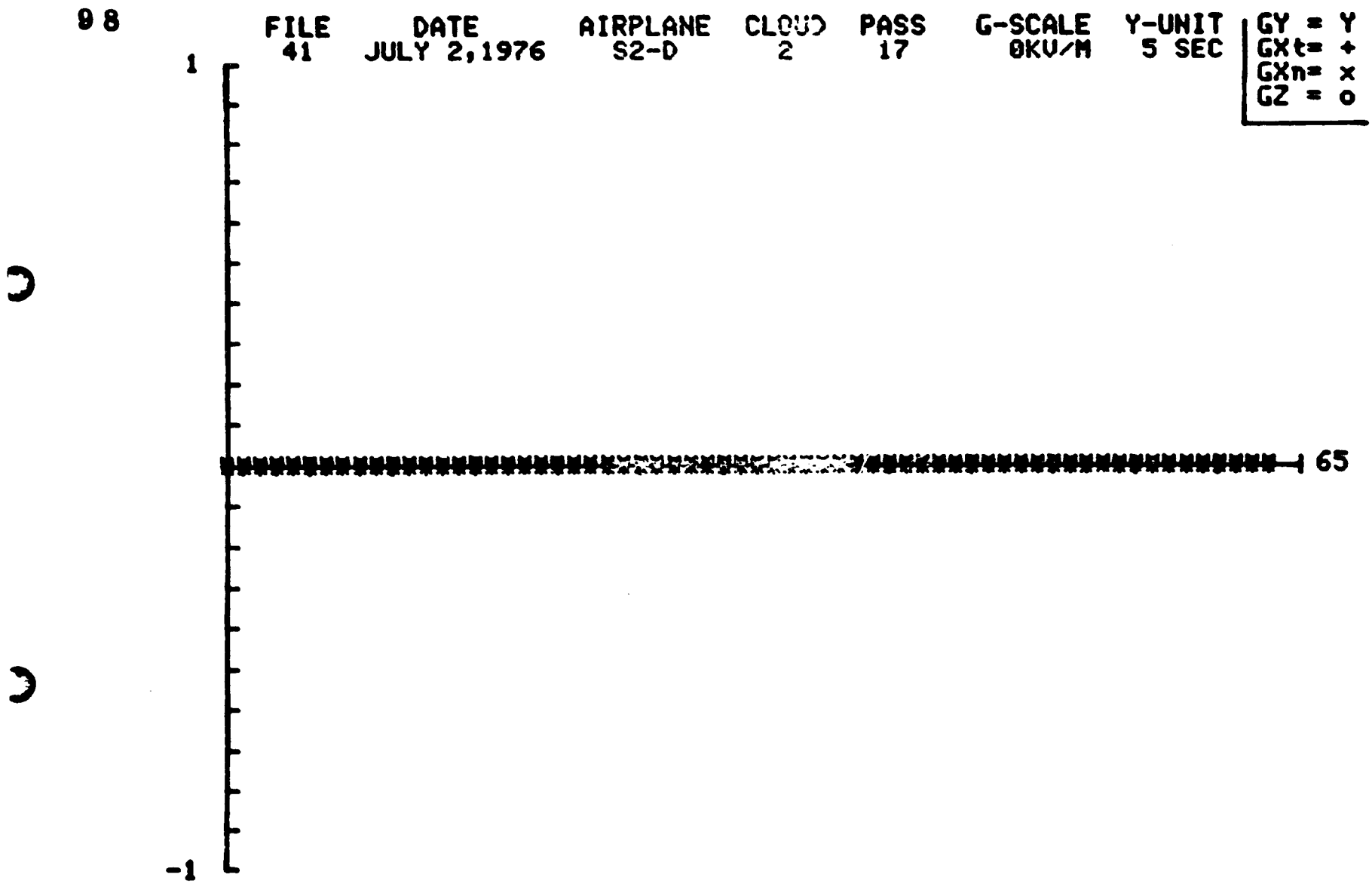

FILE
36
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
12
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
9 8
1
35
-1

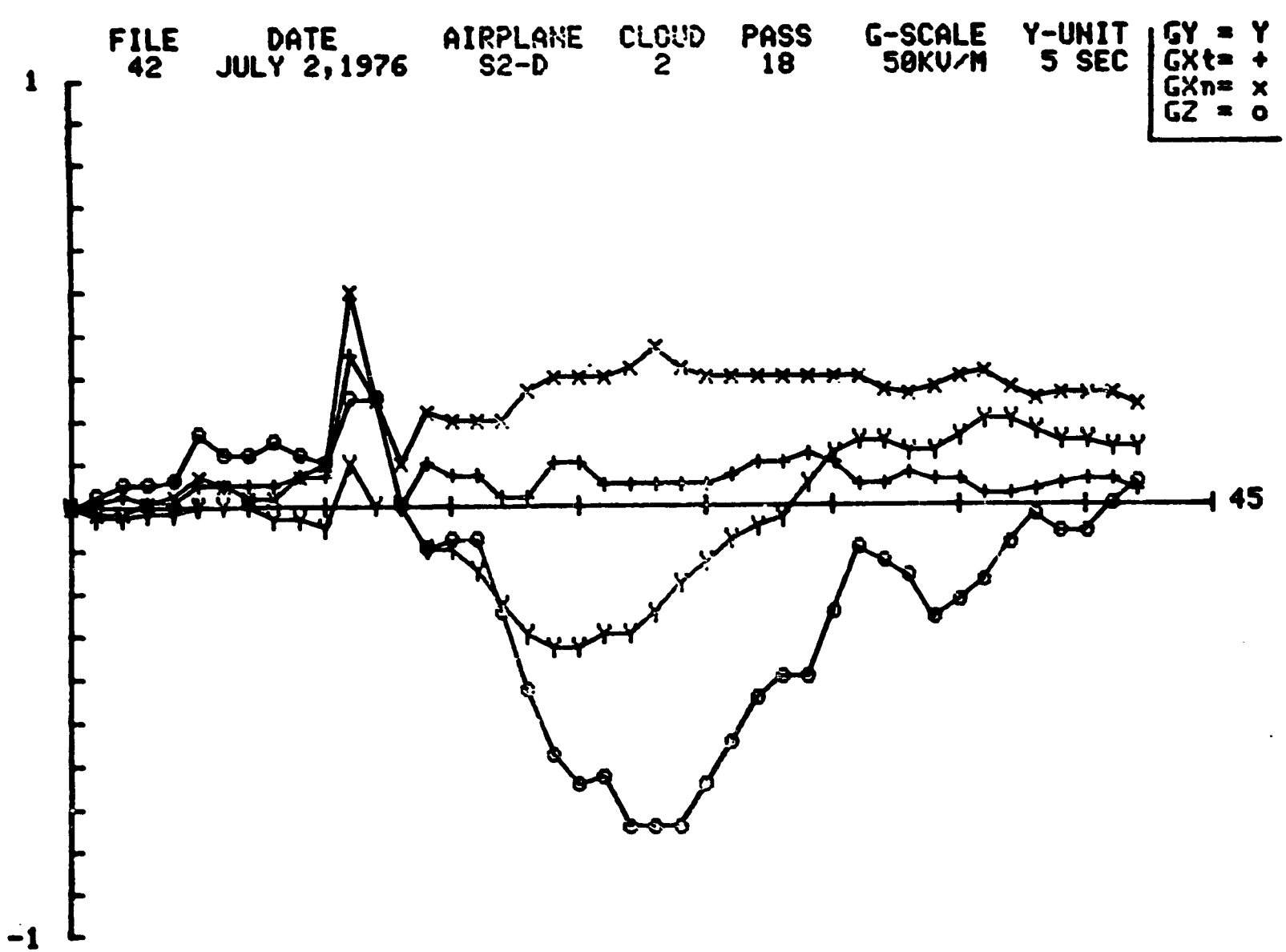

94
FILE
37
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
13
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

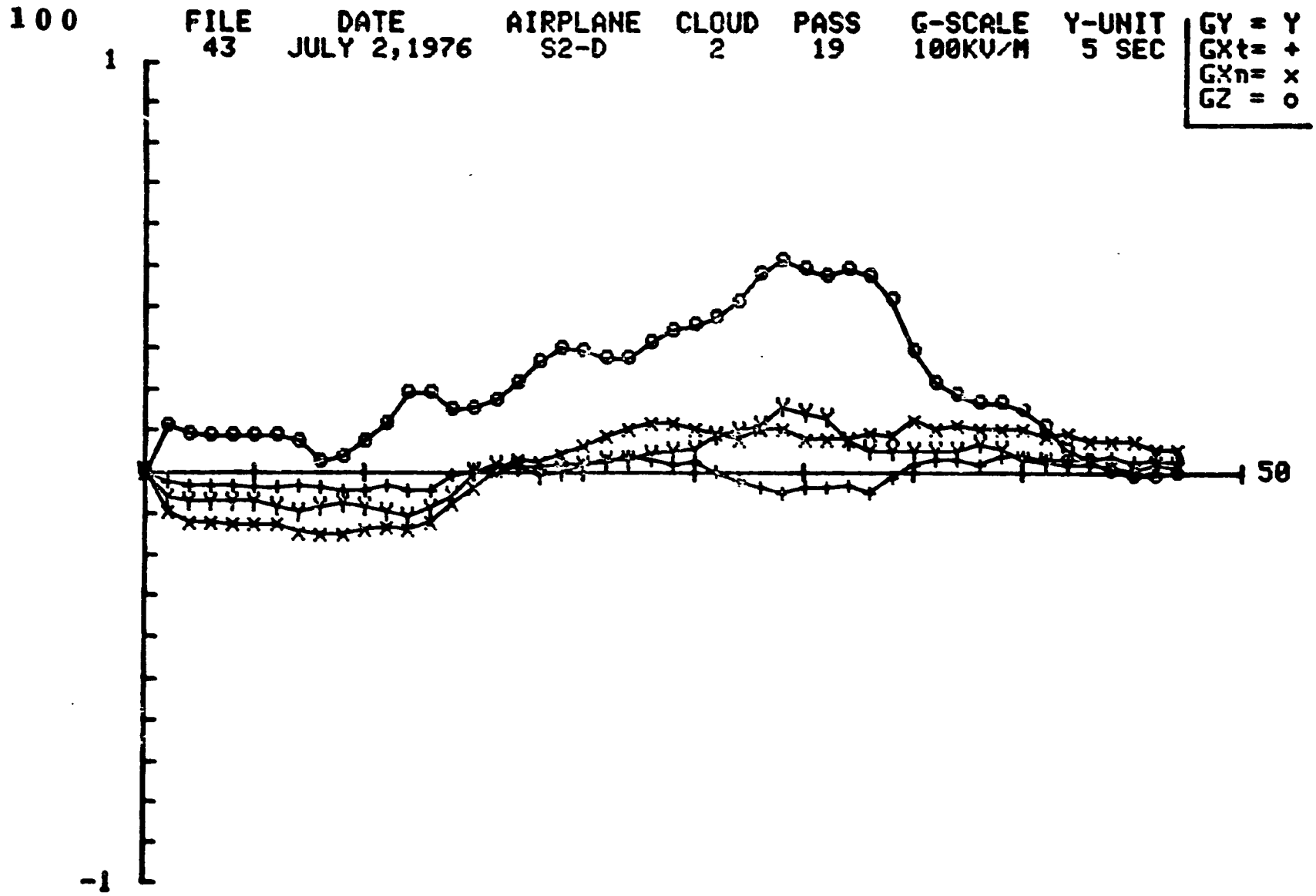

FILE
38
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
14
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

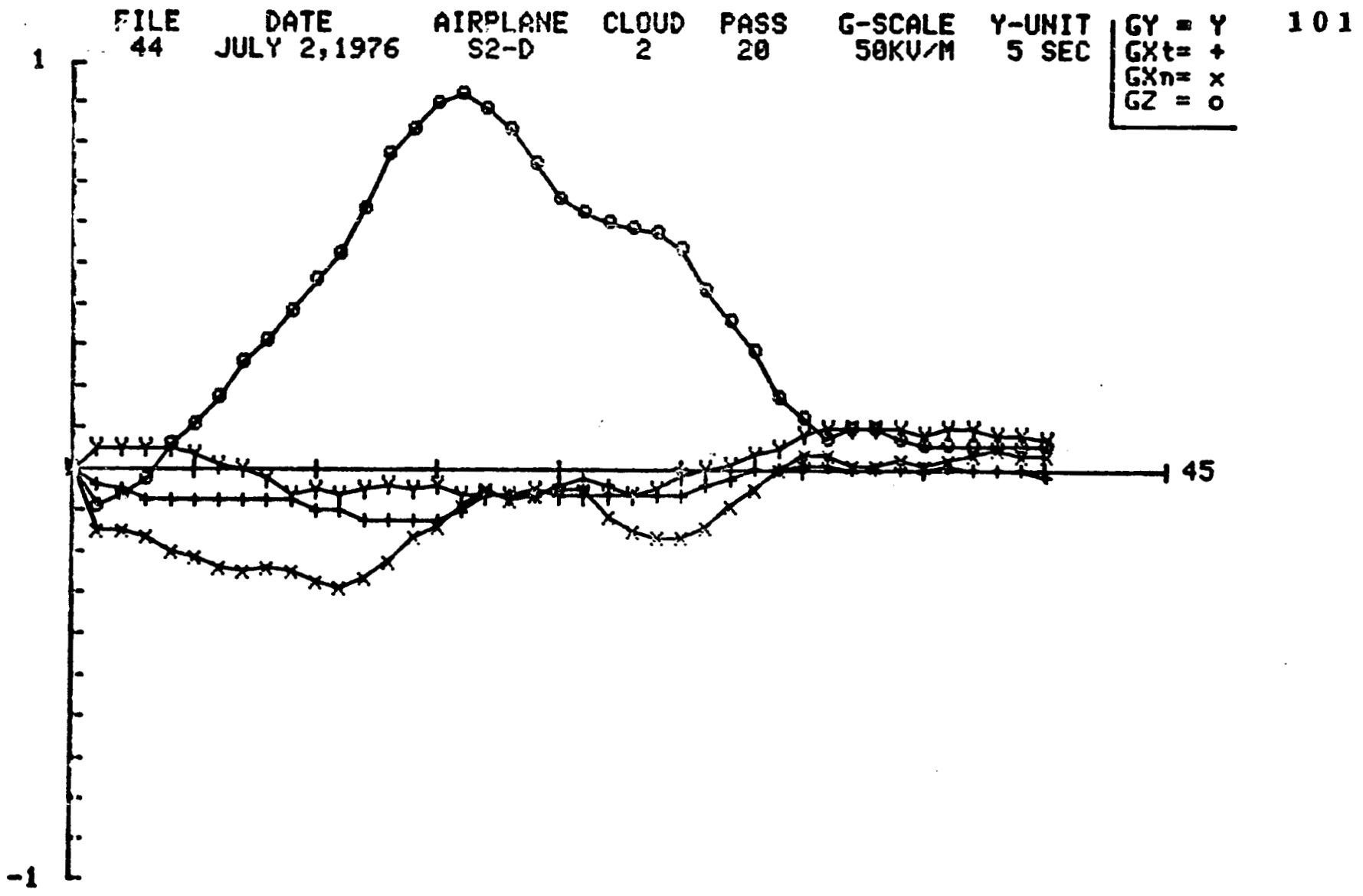

96
FILE
39
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
15
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GYn= x
GZ = o
1
-1
60


FILE
40
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
16
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

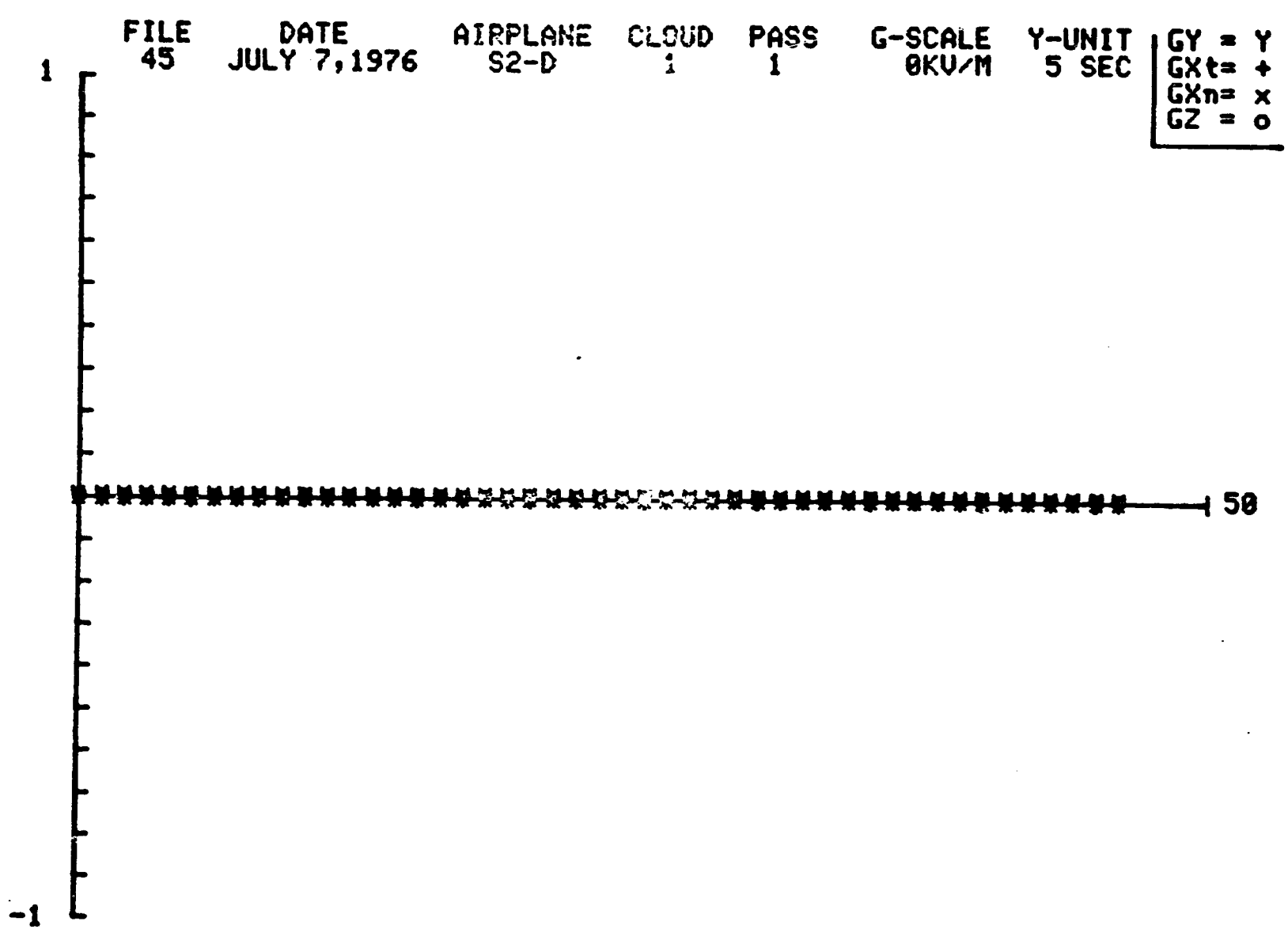

98
FILE
41
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
17
G-SCALE
0KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

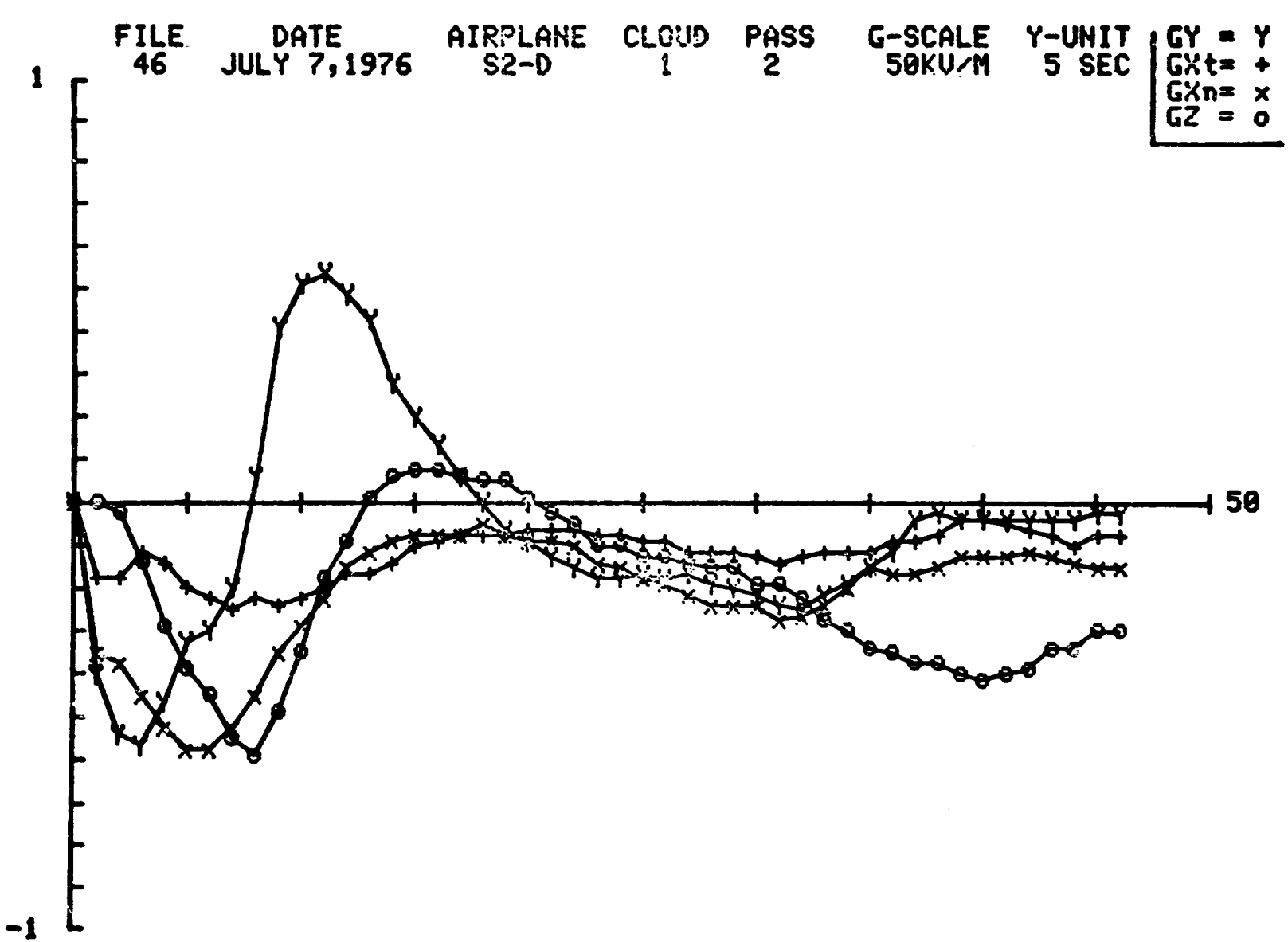

FILE
42
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
18
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45


100
FILE
43
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
19
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

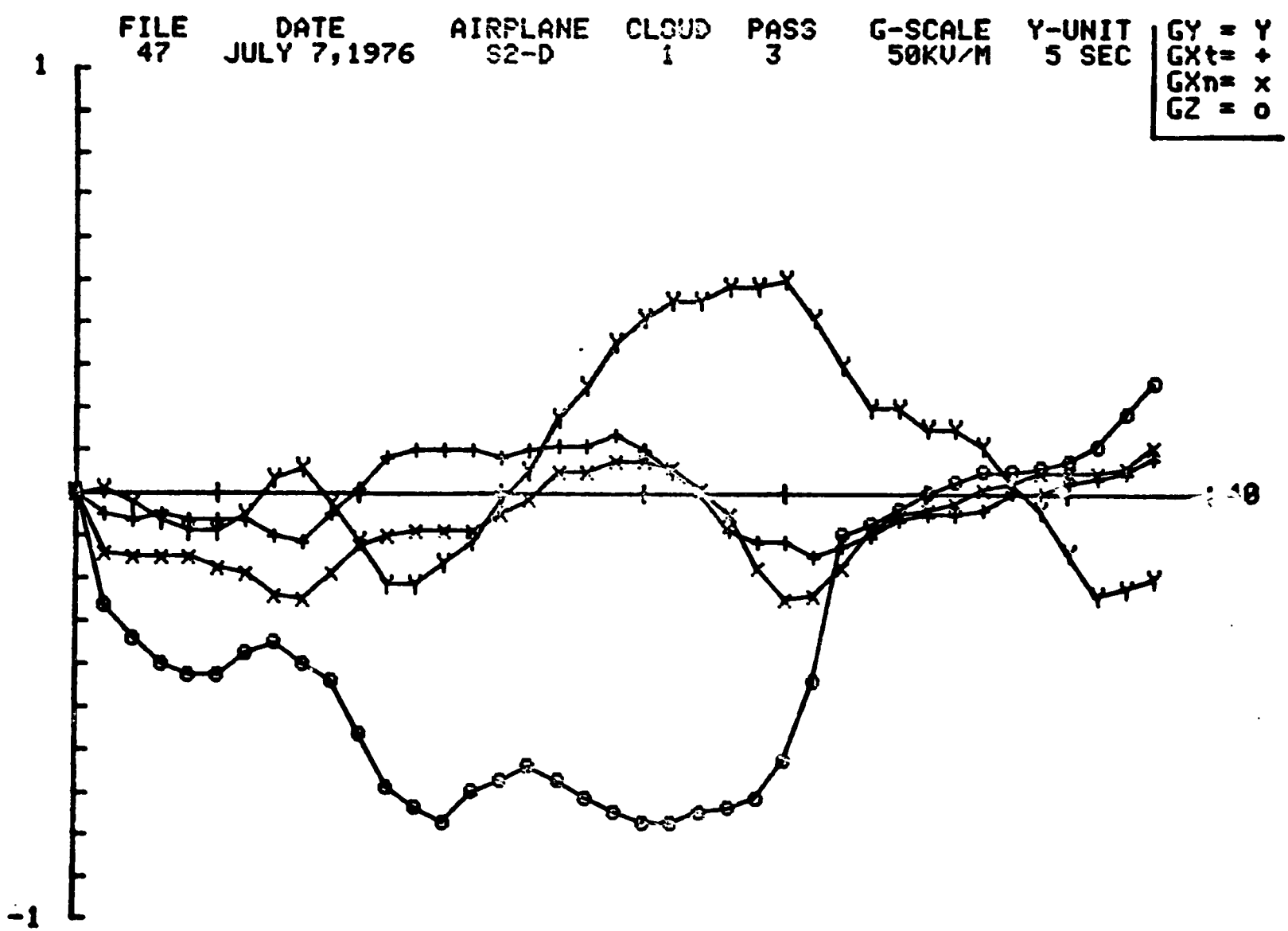

FILE
44
DATE
JULY 2,1976
AIRPLANE
S2-D
CLOUD
2
PASS
20
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
101
1
-1
45

102


FILE
45
DATE
JULY 7,1976
AIRPLANE
S2-D
CLOUD
1
PASS
1
G-SCALE
0KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

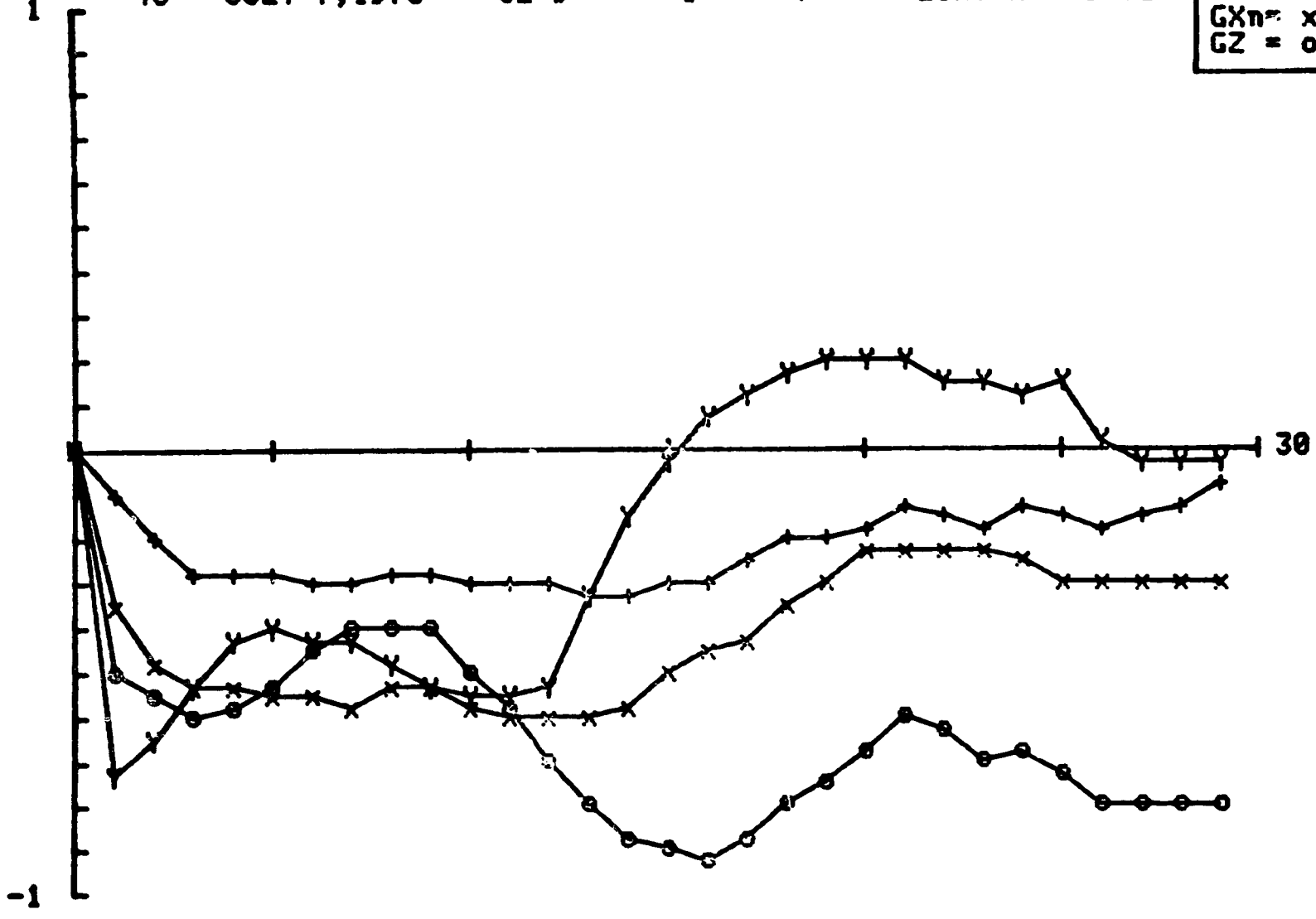

FILE
46
DATE
JULY 7,1976
AIRPLANE
S2-D
CLOUD
1
PASS
2
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

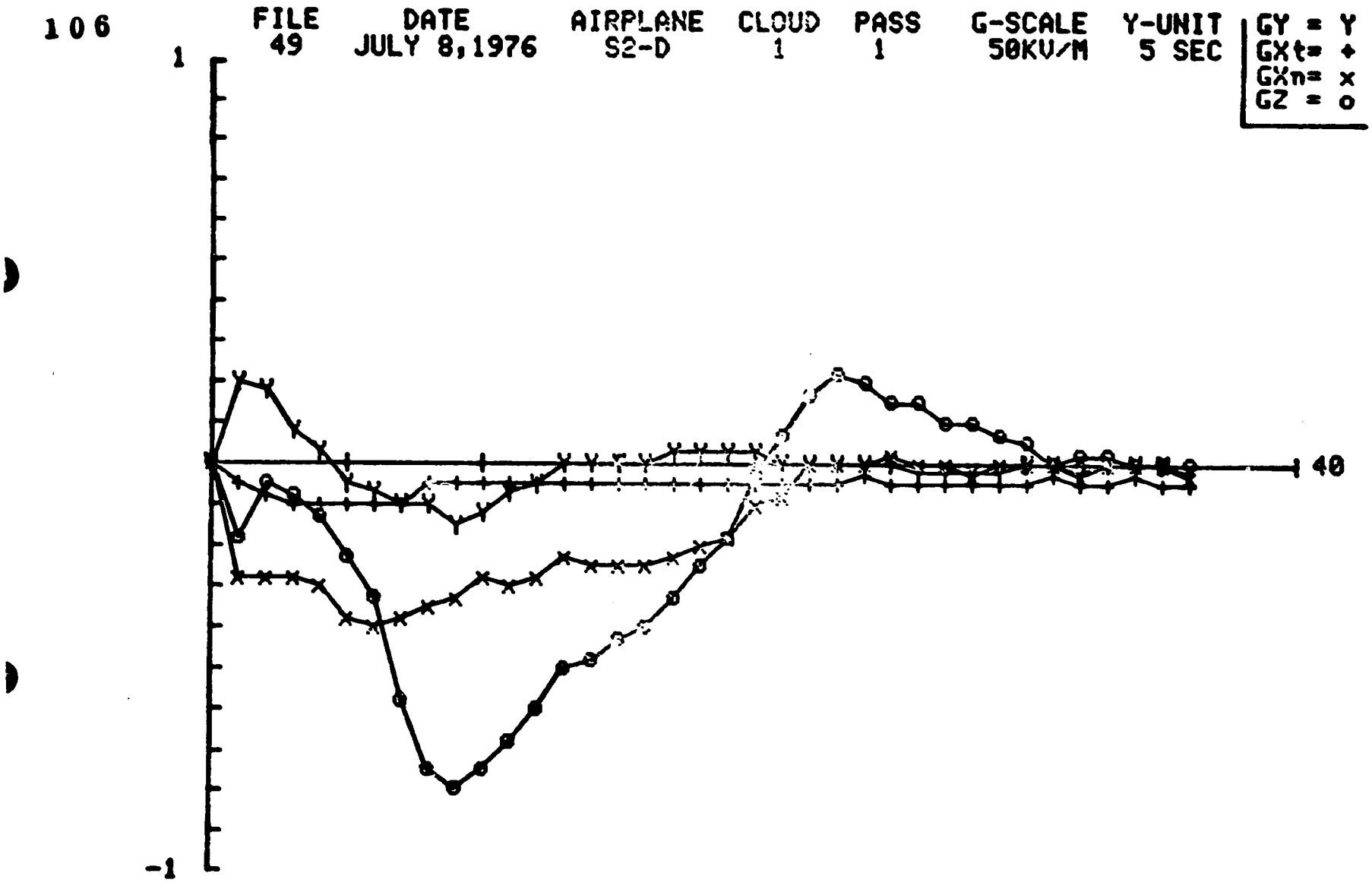
104

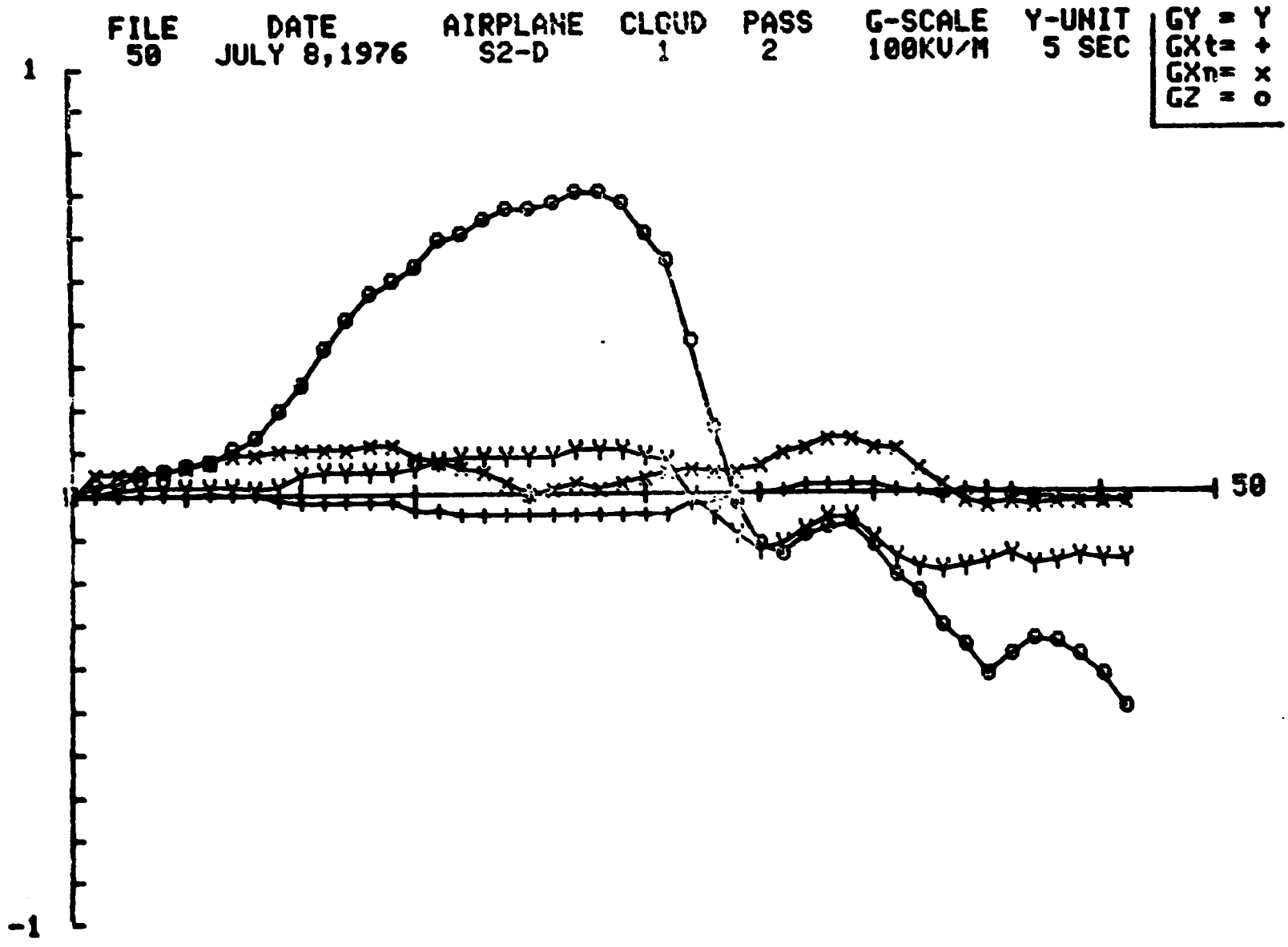

FILE
47
DATE
JULY 7,1976
AIRPLANE
S2-D
CLOUD
1
PASS
3
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
0

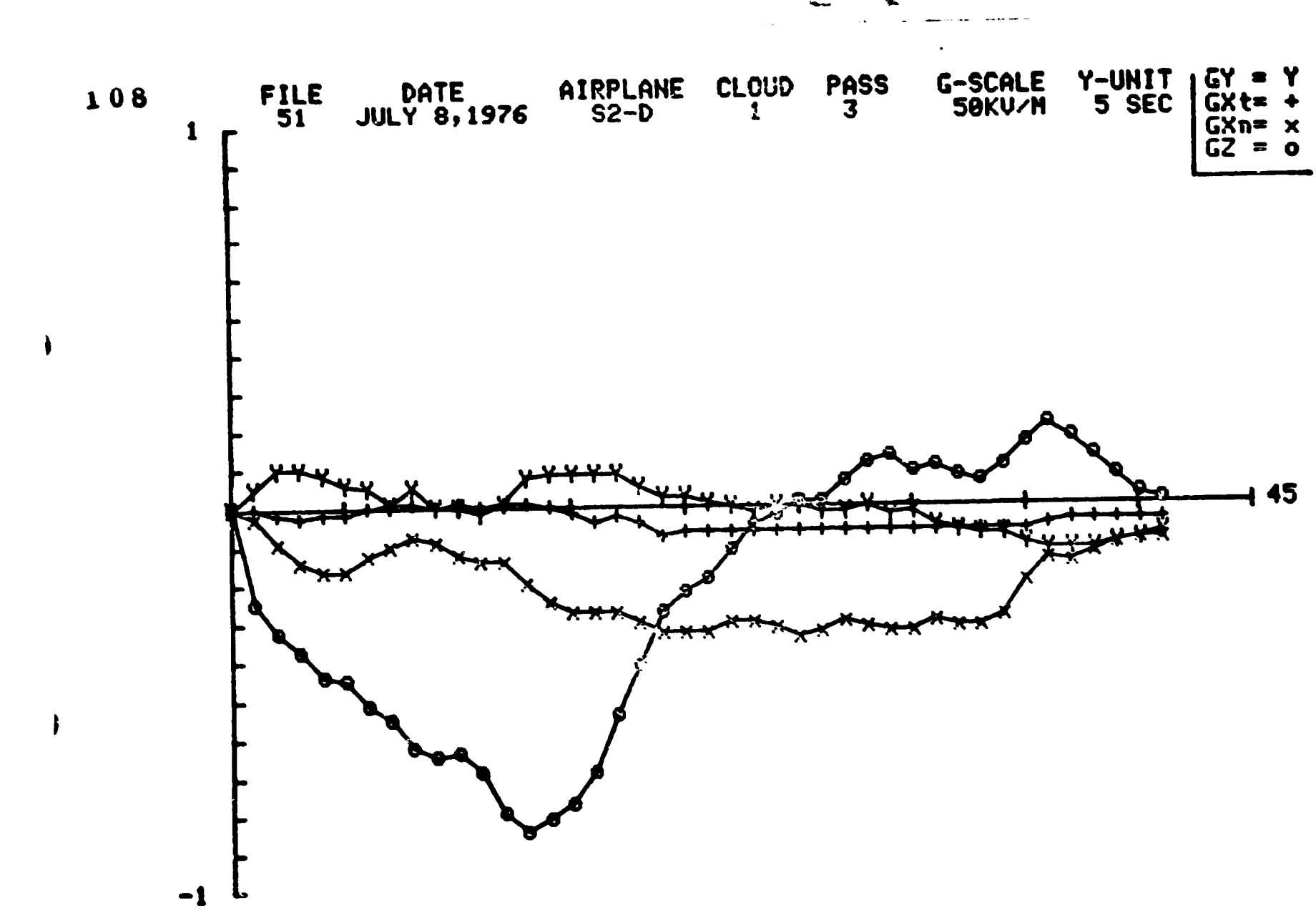
FILE	DATE	AIRPLANE	CLOUD	PASS	G-SCALE	Y-UNIT
48	JULY 7,1976	S2-D	1	4	25KV/M	5 SEC

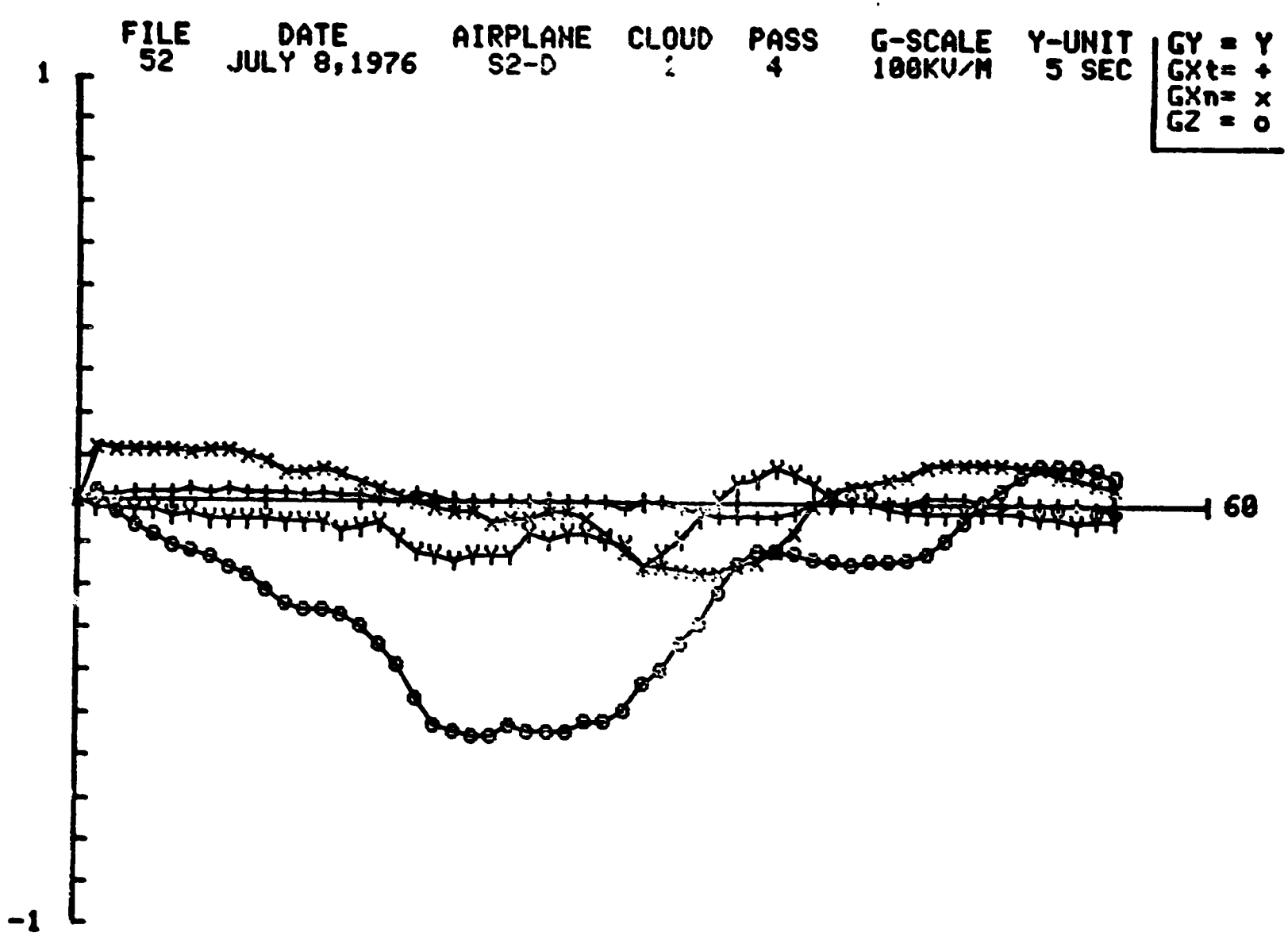
GY = Y
GXt= +
GXn= x
GZ = o

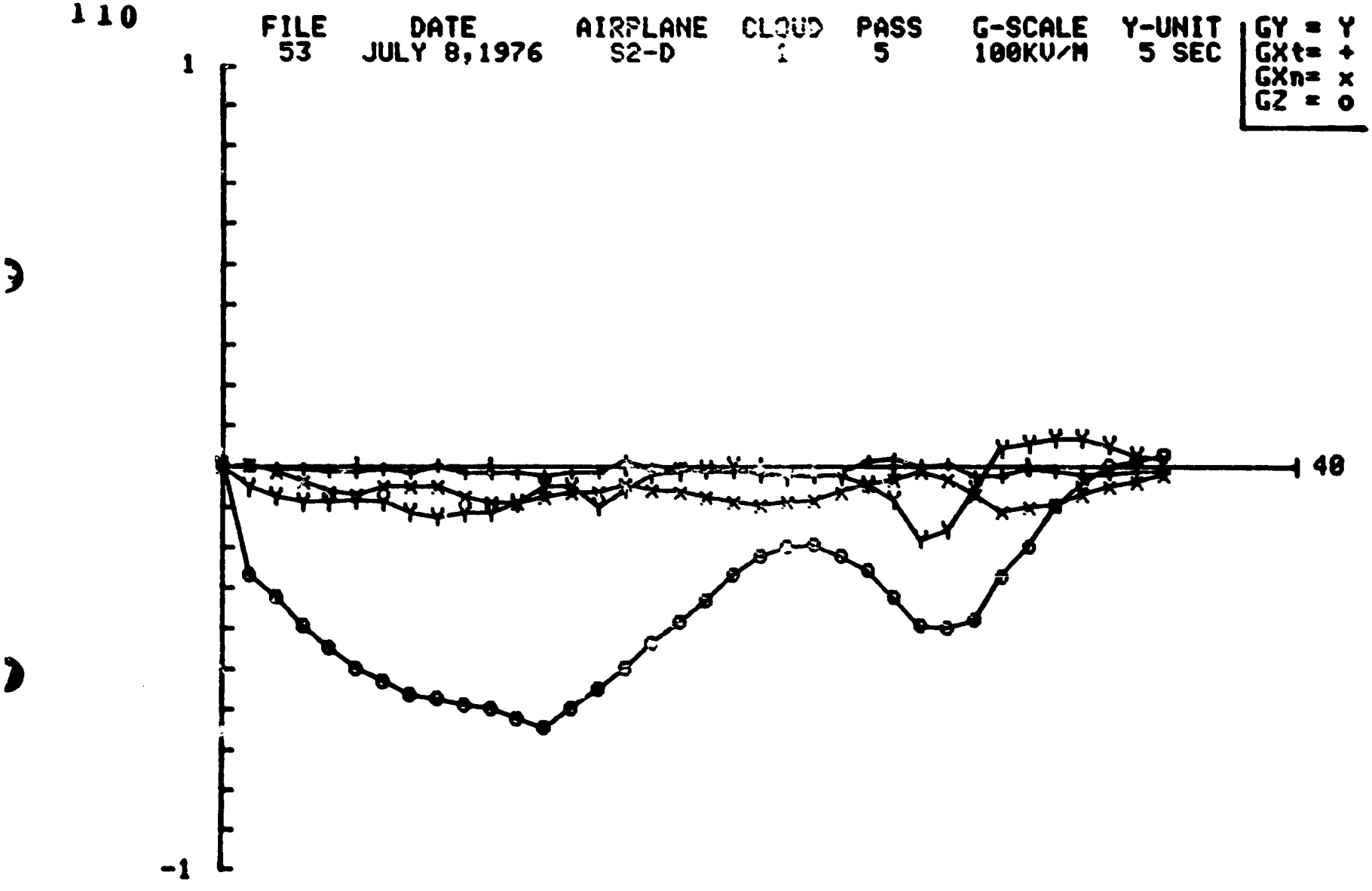


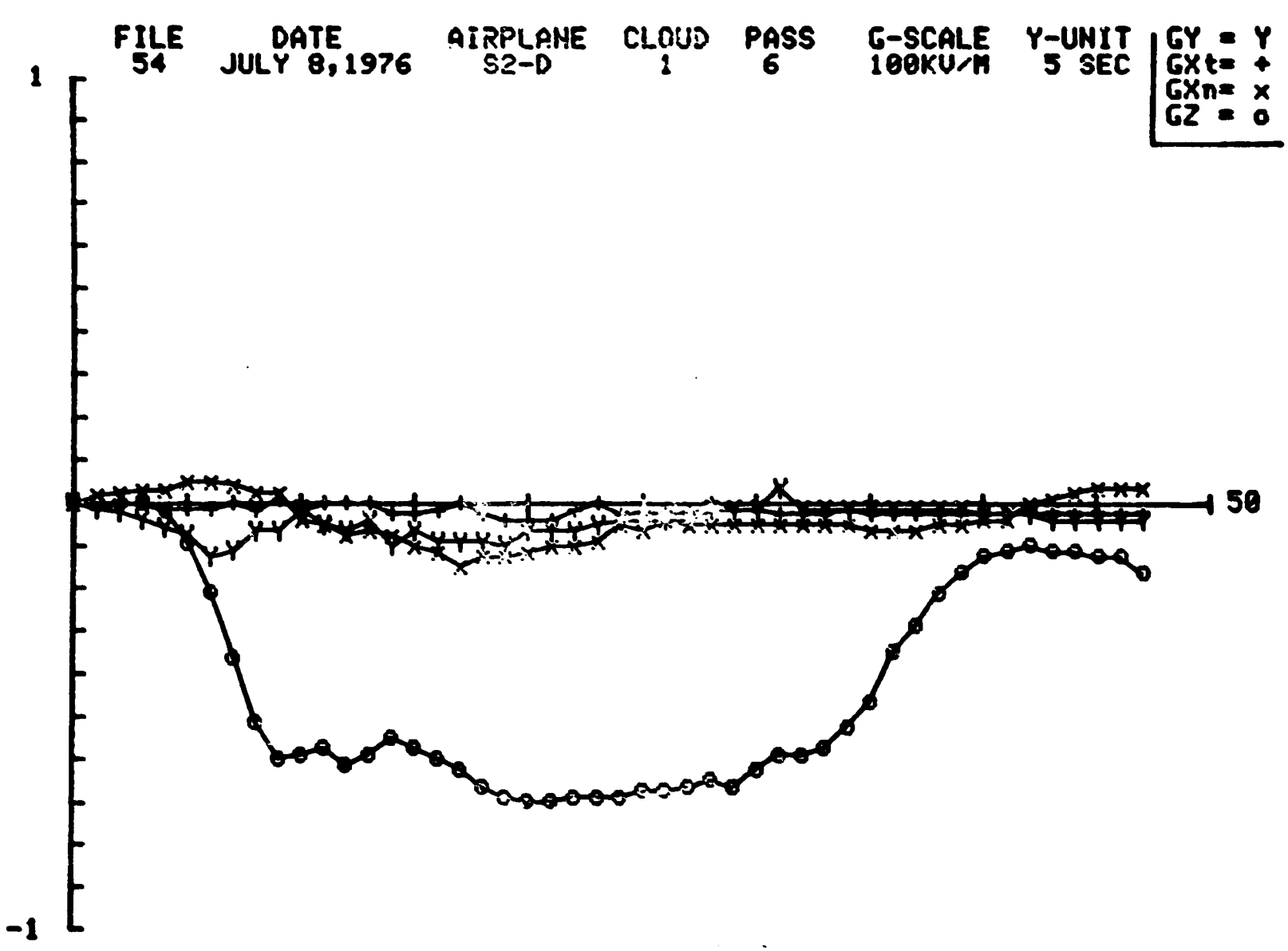

106
FILE
49
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
1
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40


FILE
50
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
2
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

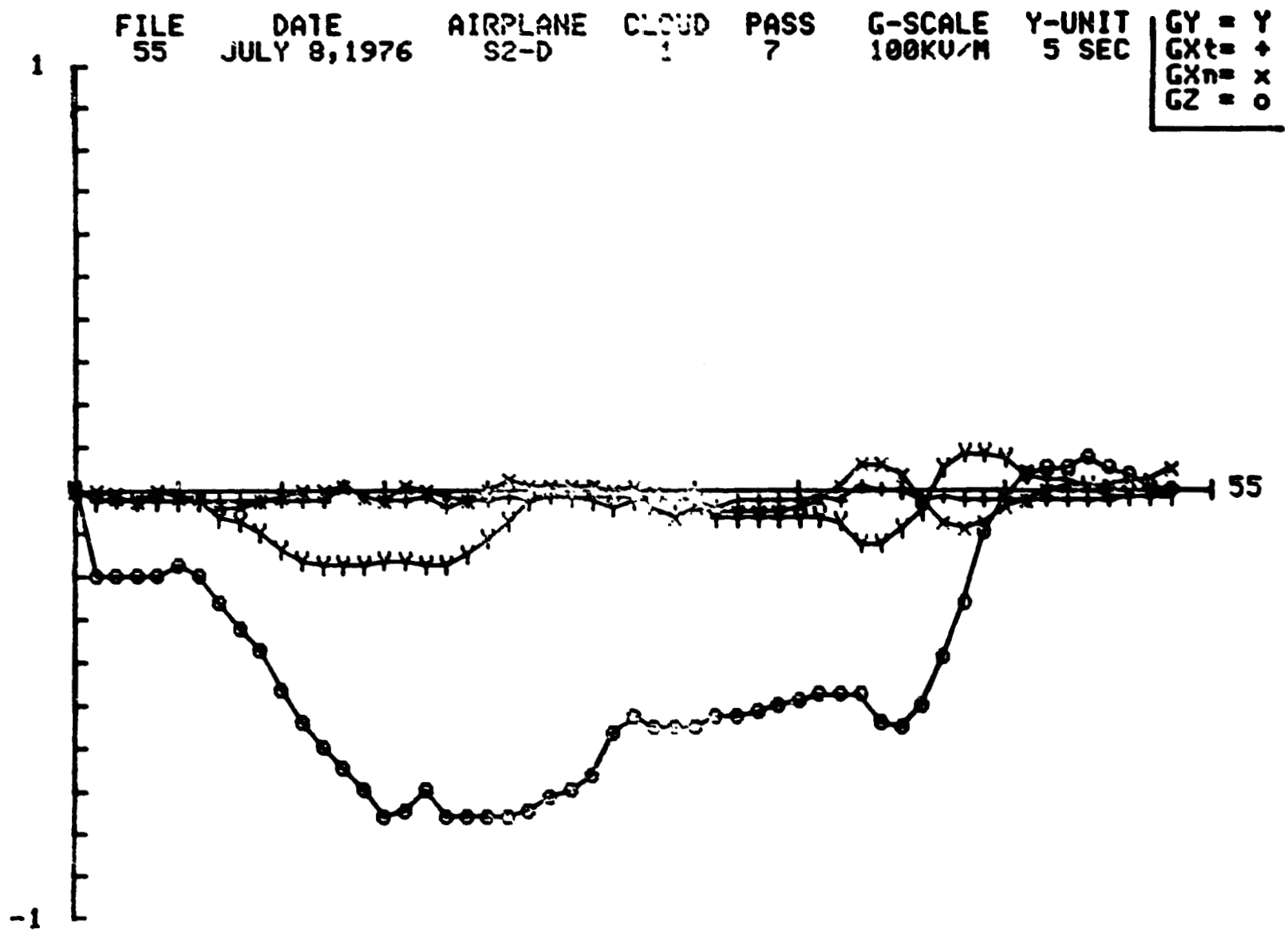

108
FILE
51
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
3
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

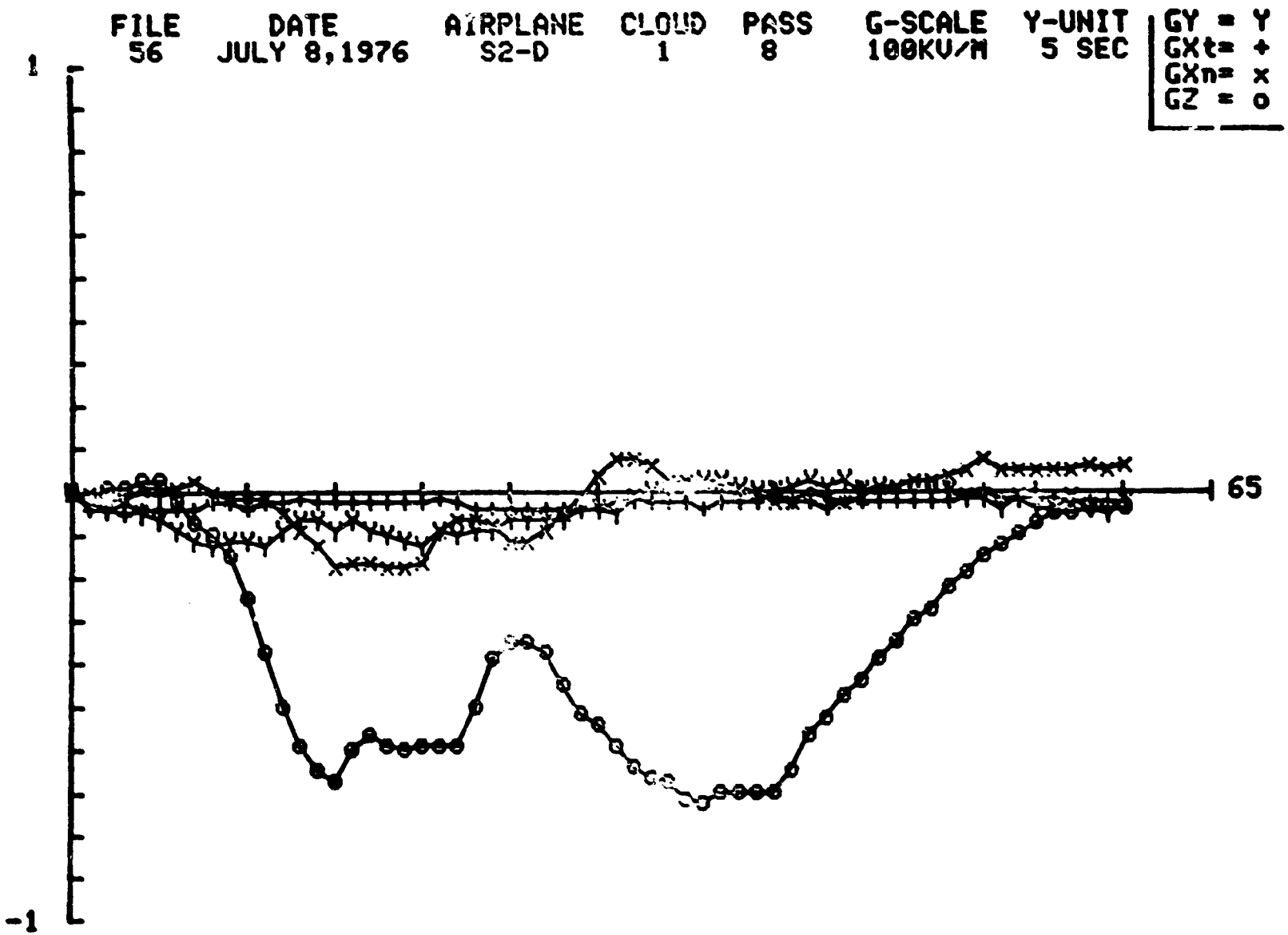

FILE
52
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
4
PASS
4
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

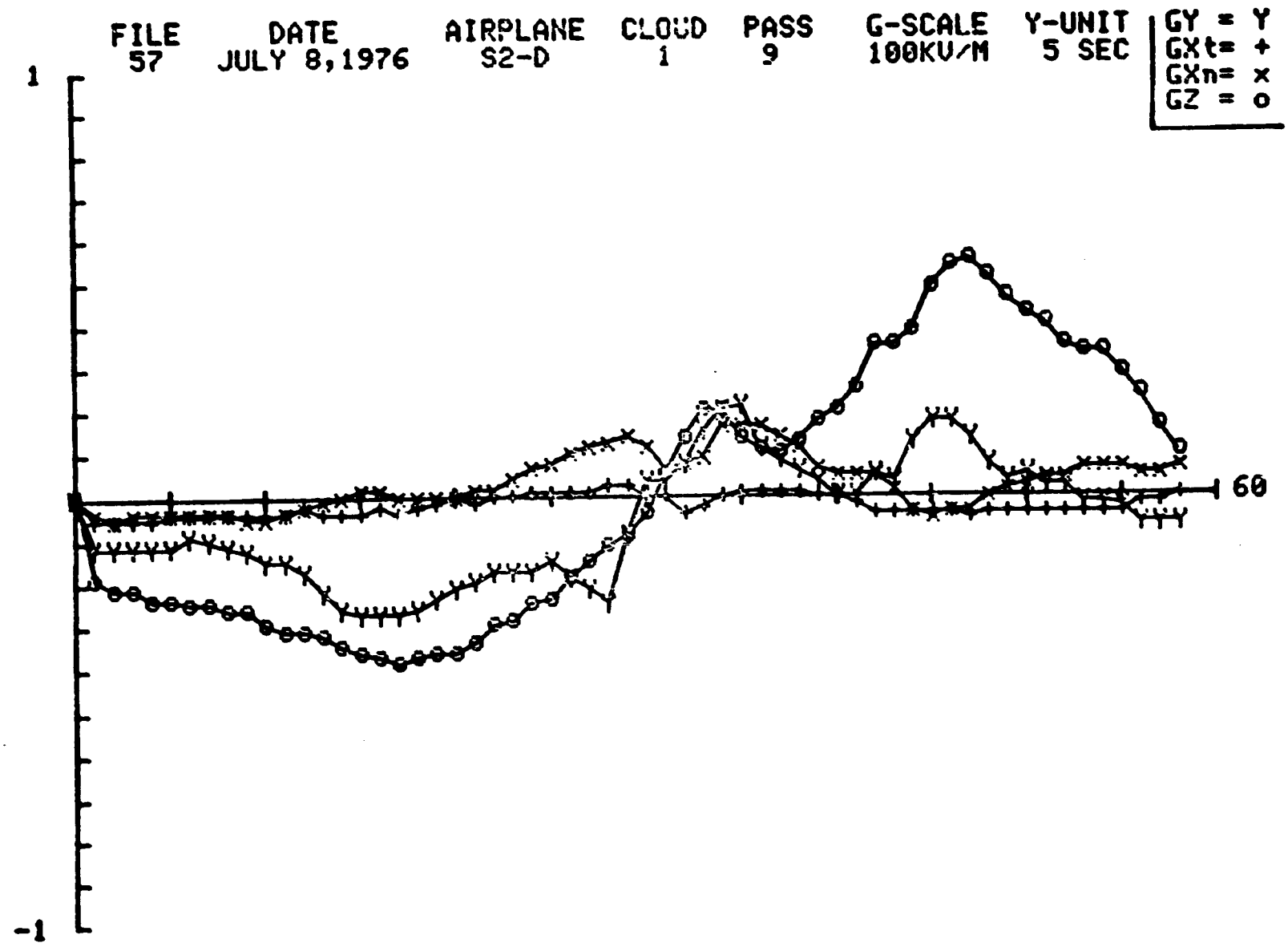

110
FILE
53
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
5
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

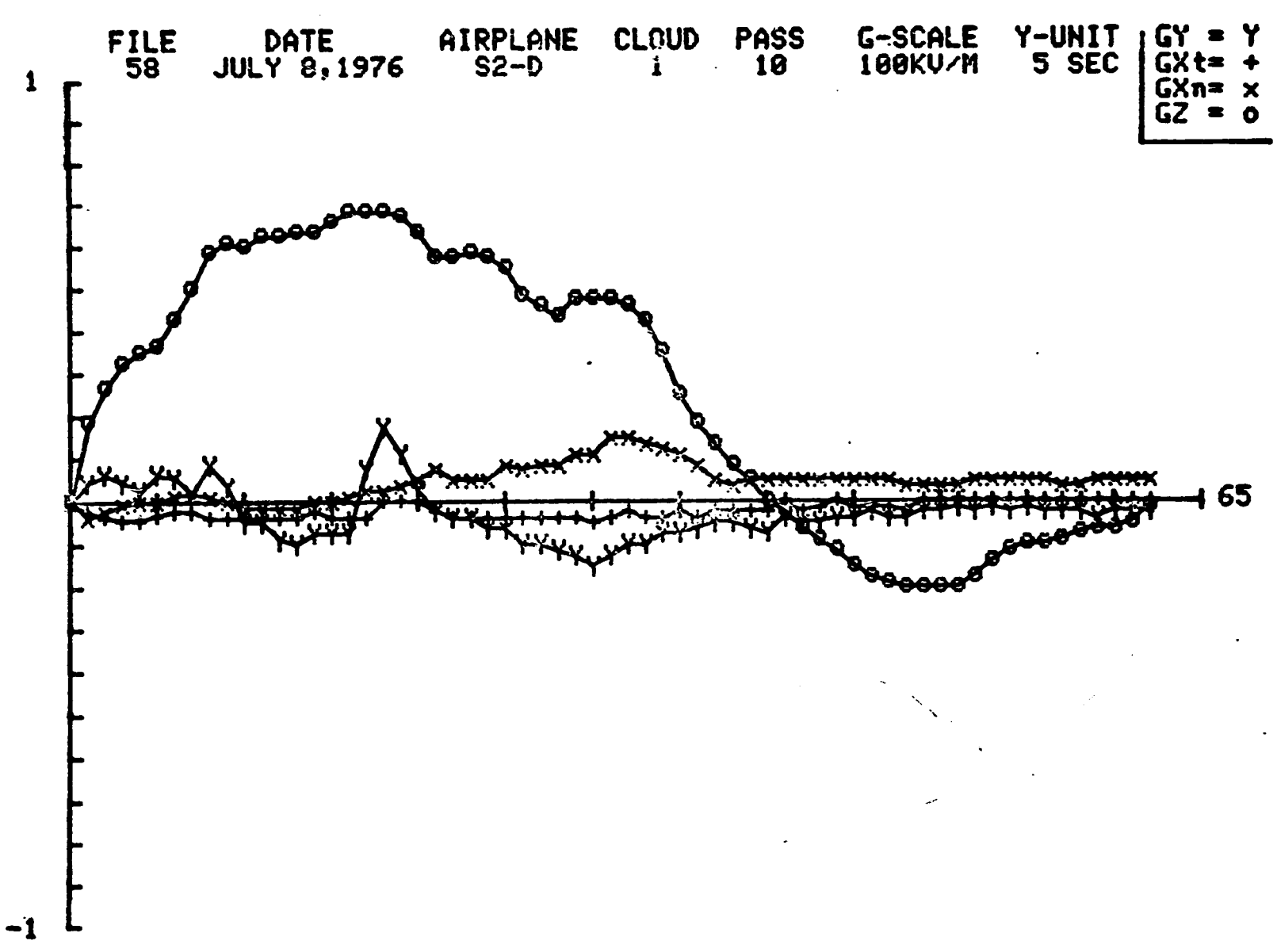

FILE 54
DATE JULY 8,1976
AIRPLANE S2-D
CLOUD 1
PASS 6
G-SCALE 100KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

112


FILE
55
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
7
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

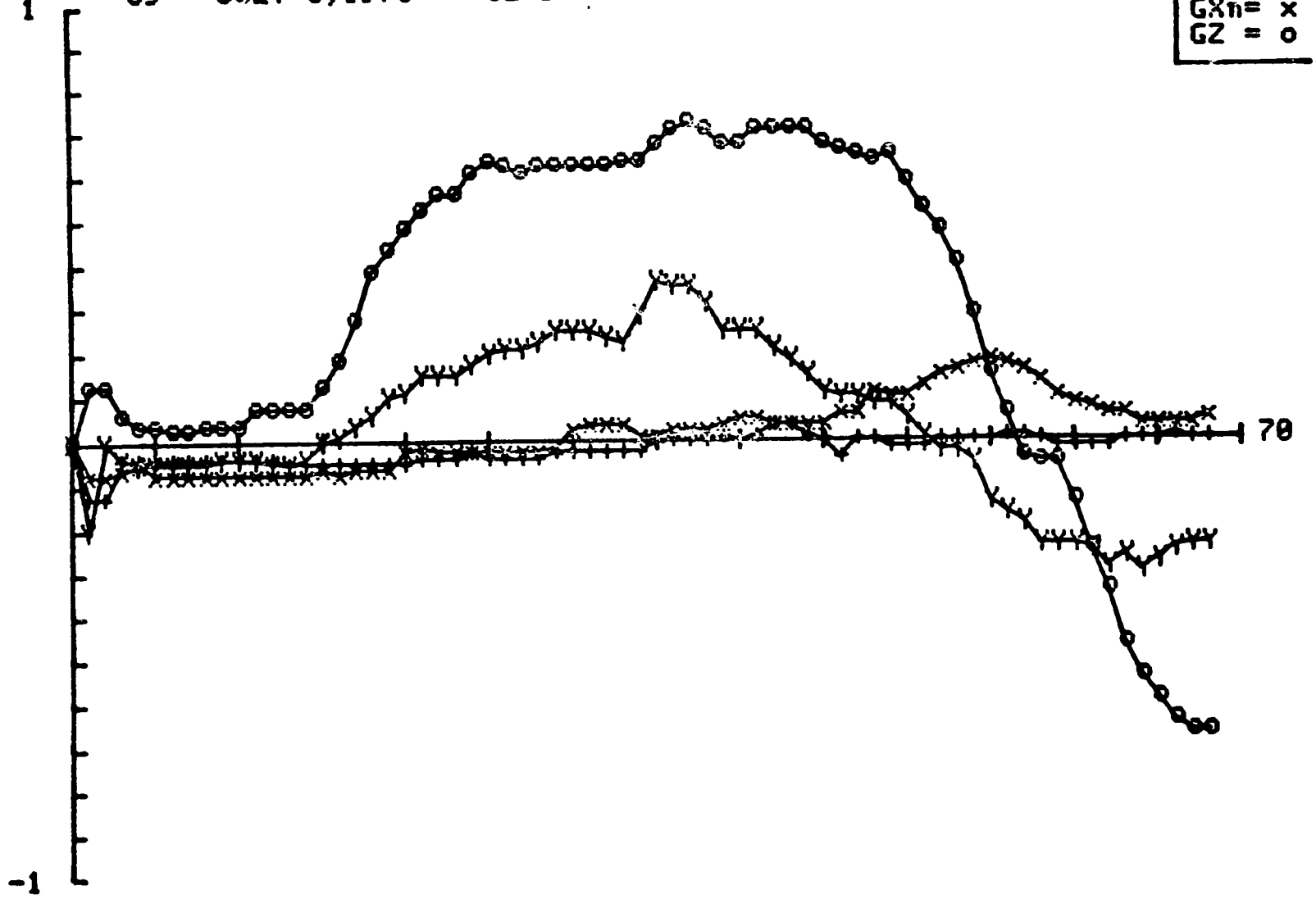

FILE
56
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
8
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

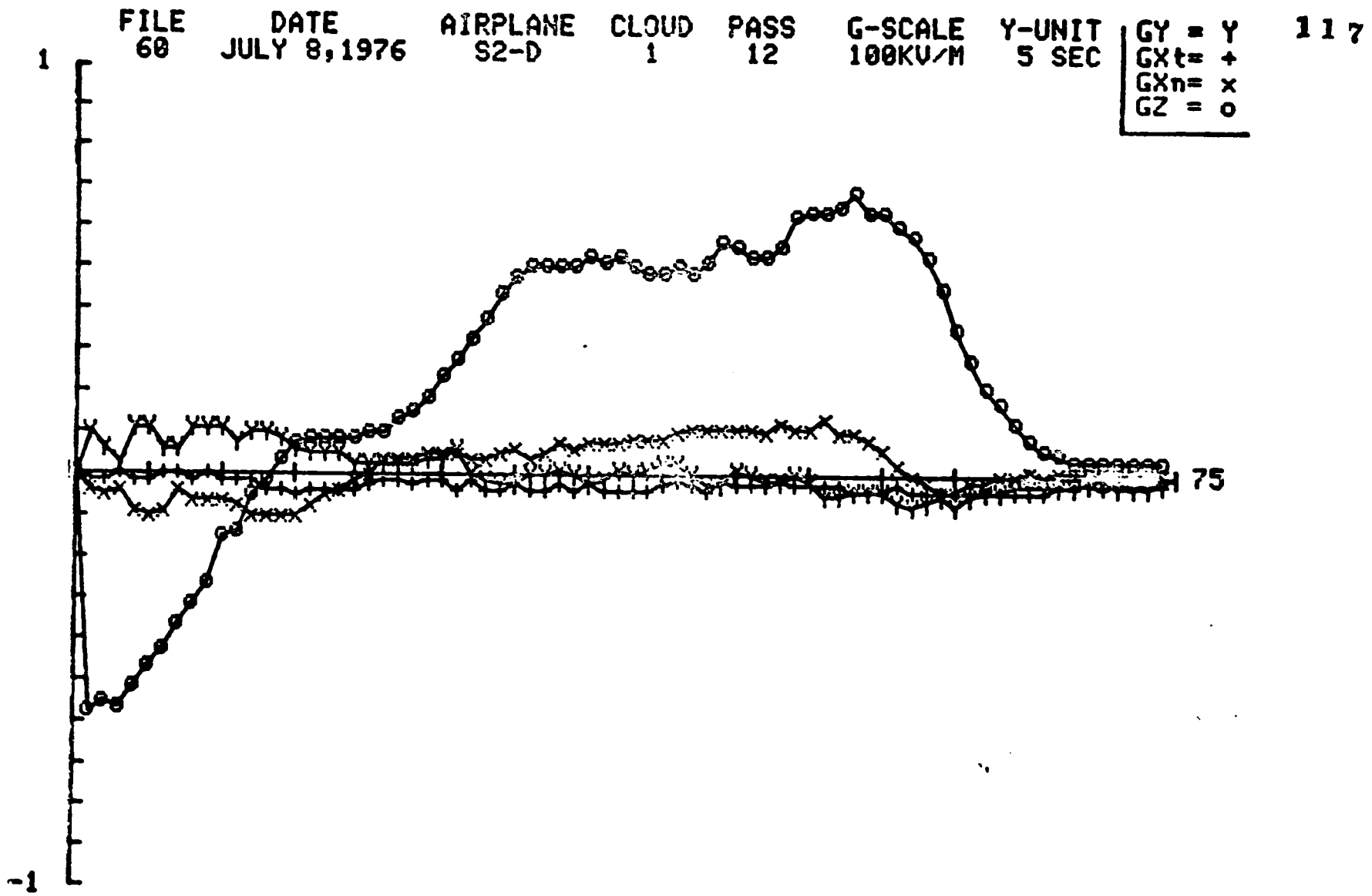

114
FILE
57
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
9
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60


FILE
58
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
10
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

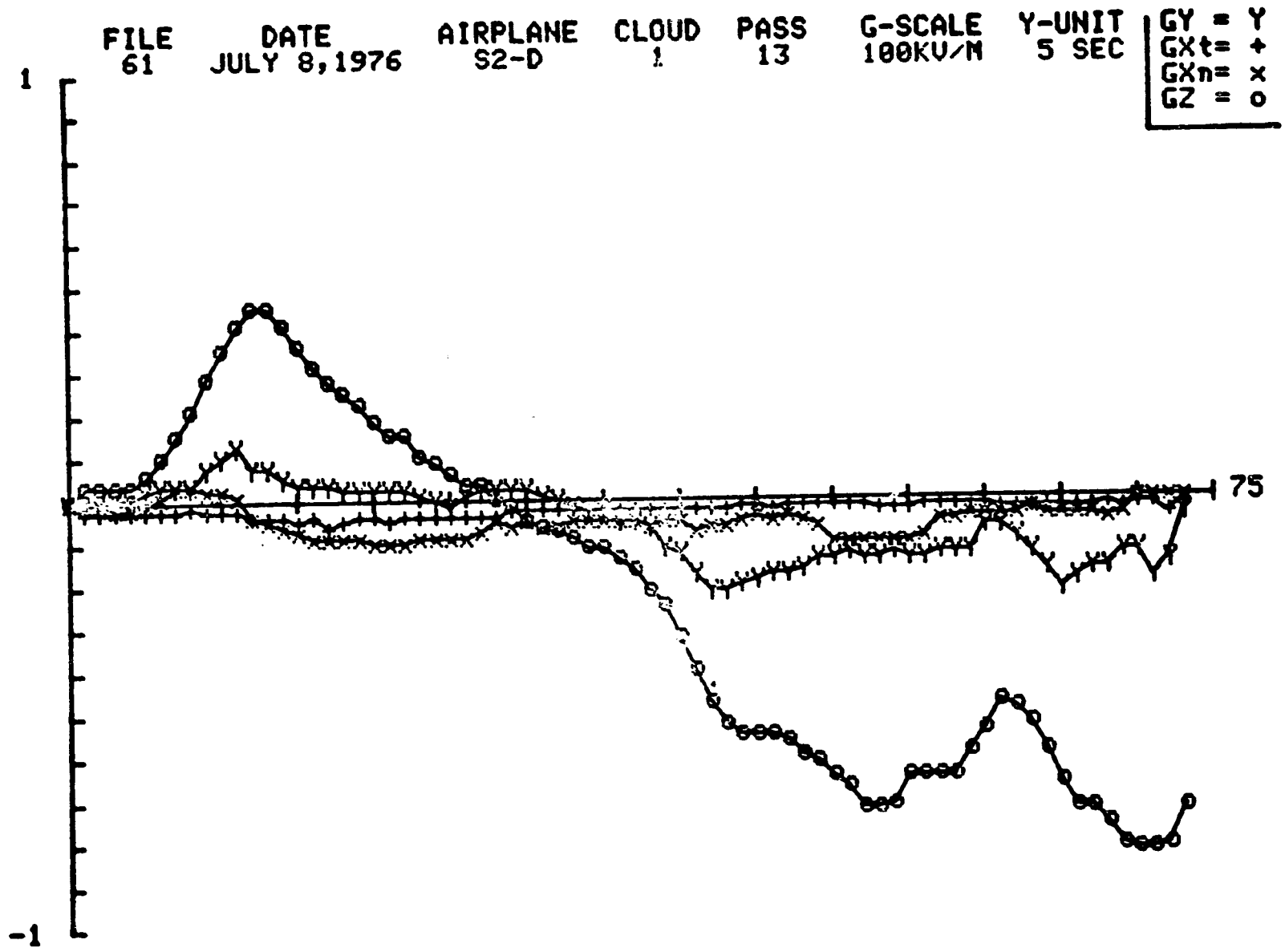
FILE	DATE	AIRPLANE	CLOUD	PASS	G-SCALE	Y-UNIT
59	JULY 8,1976	S2-D	1	11	100KV/M	5 SEC

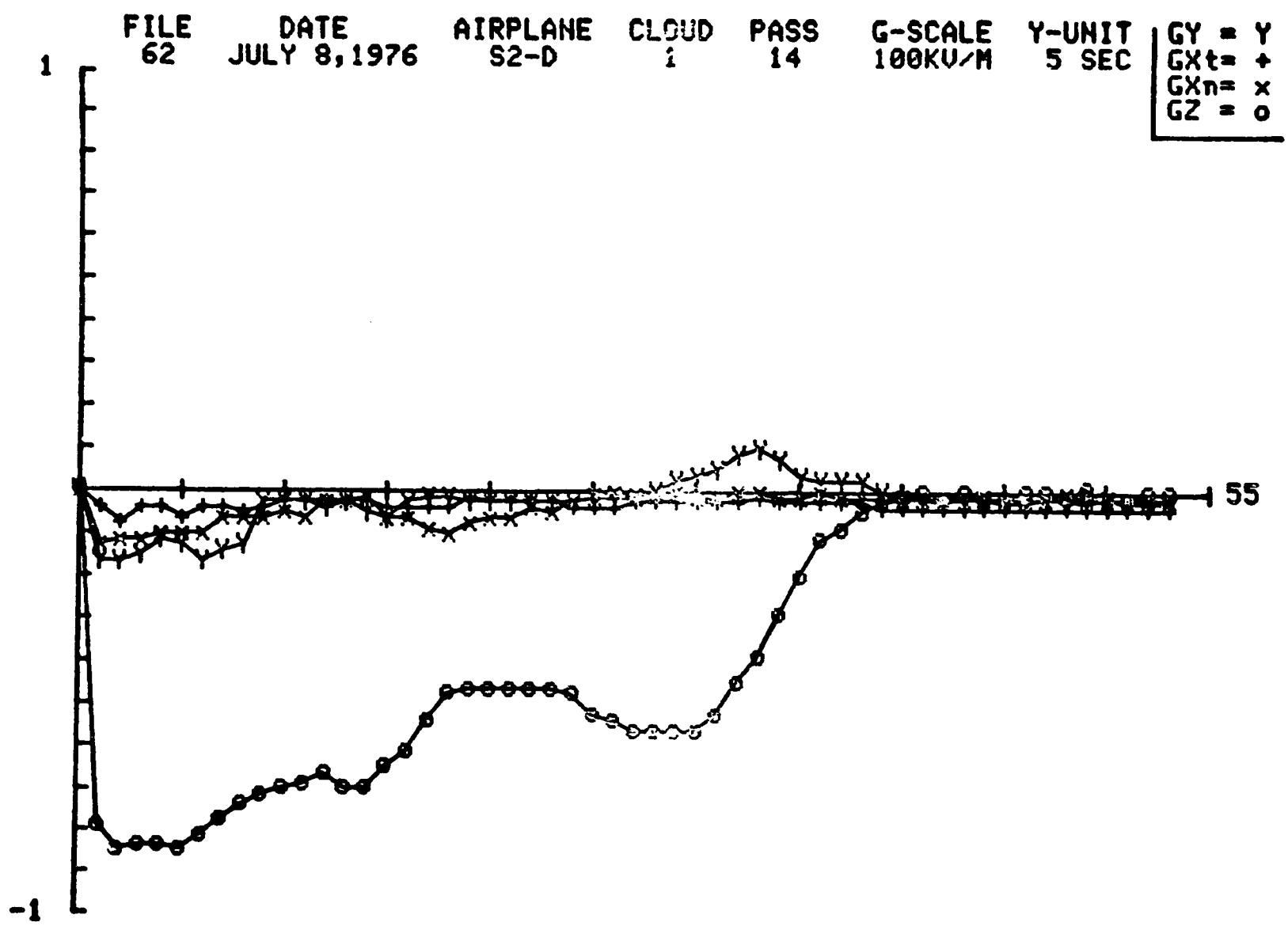
GY = Y
GXt= +
GXn= x
GZ = o

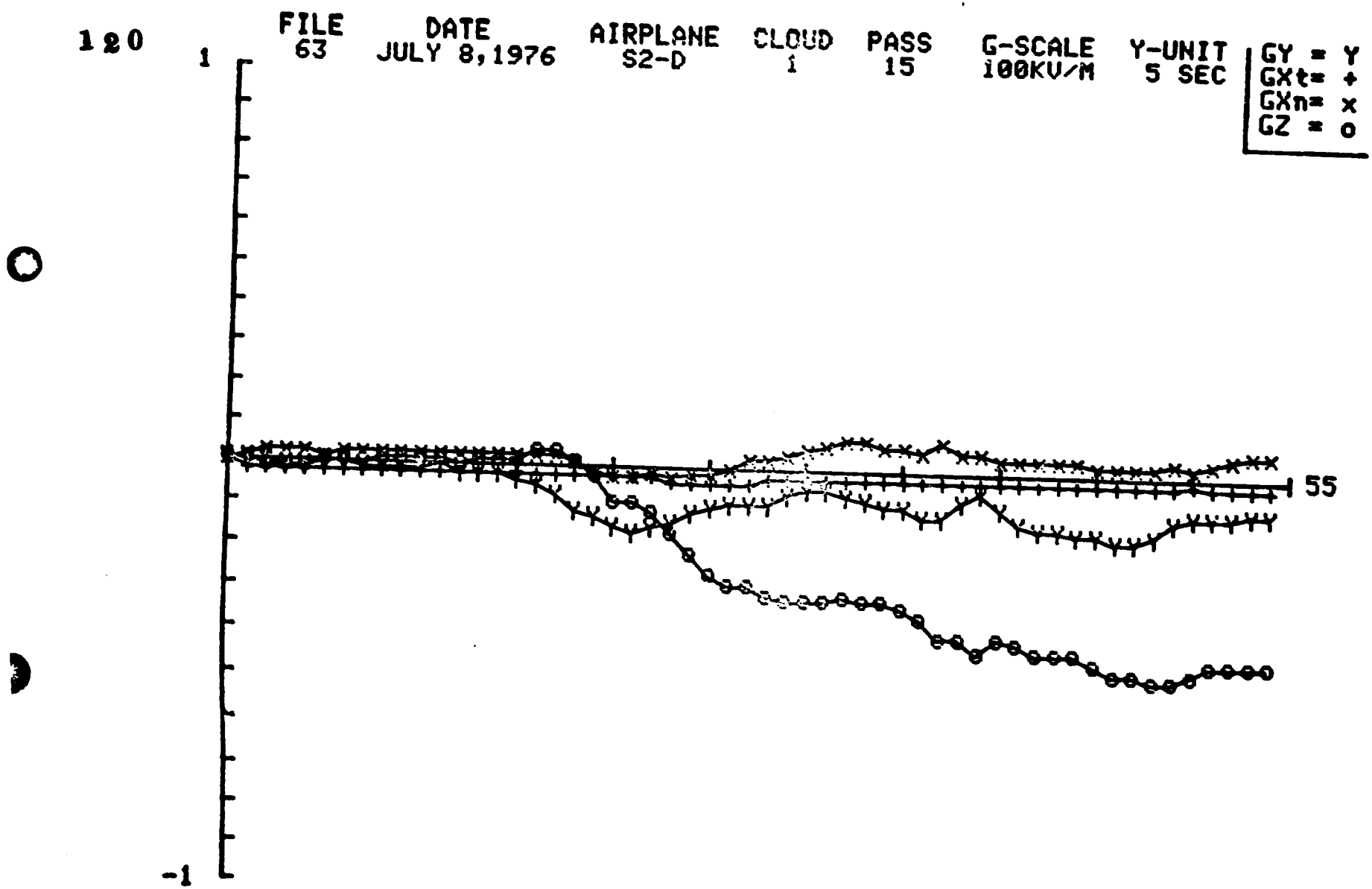


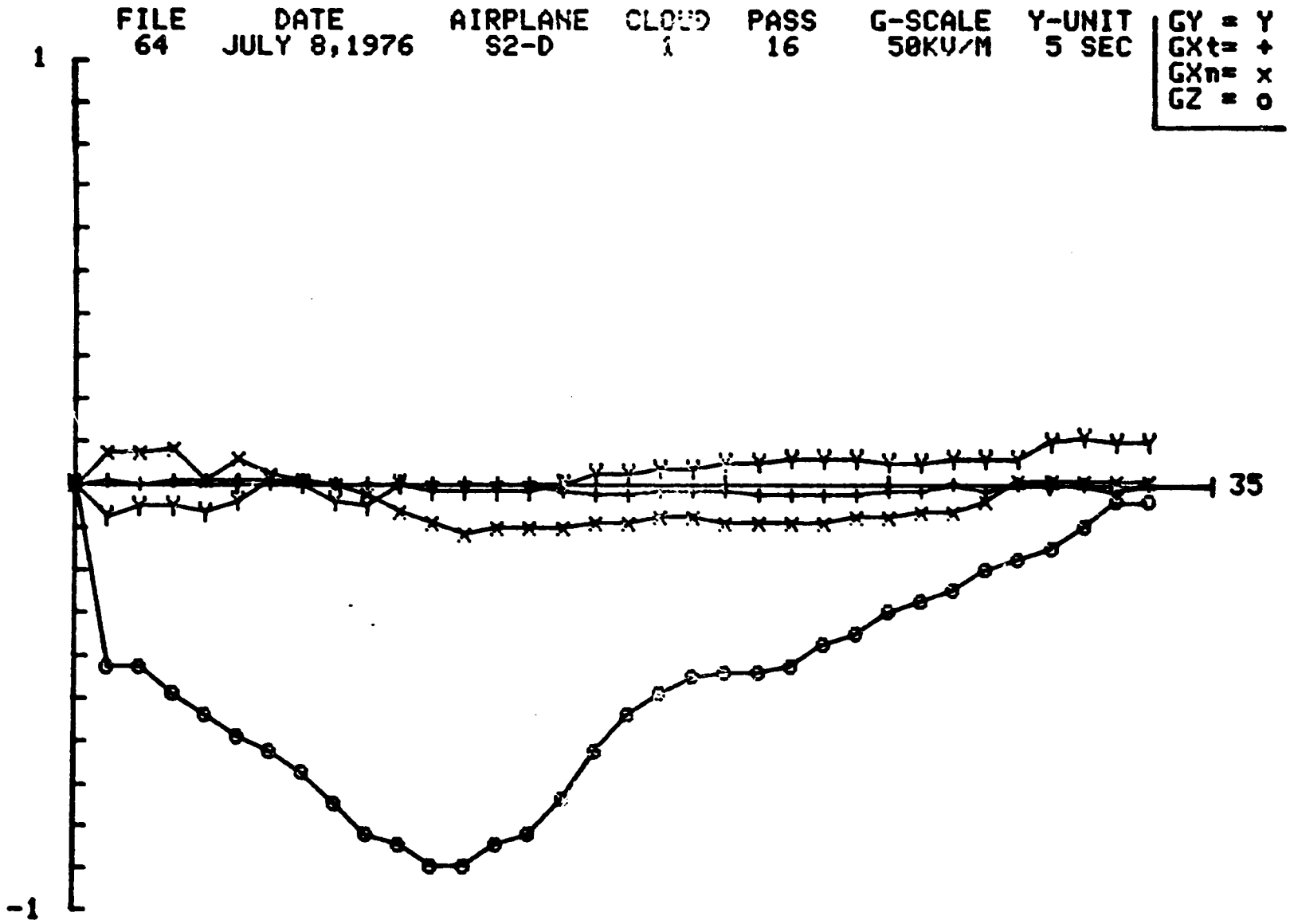

FILE
60
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
12
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
117
1
-1
75

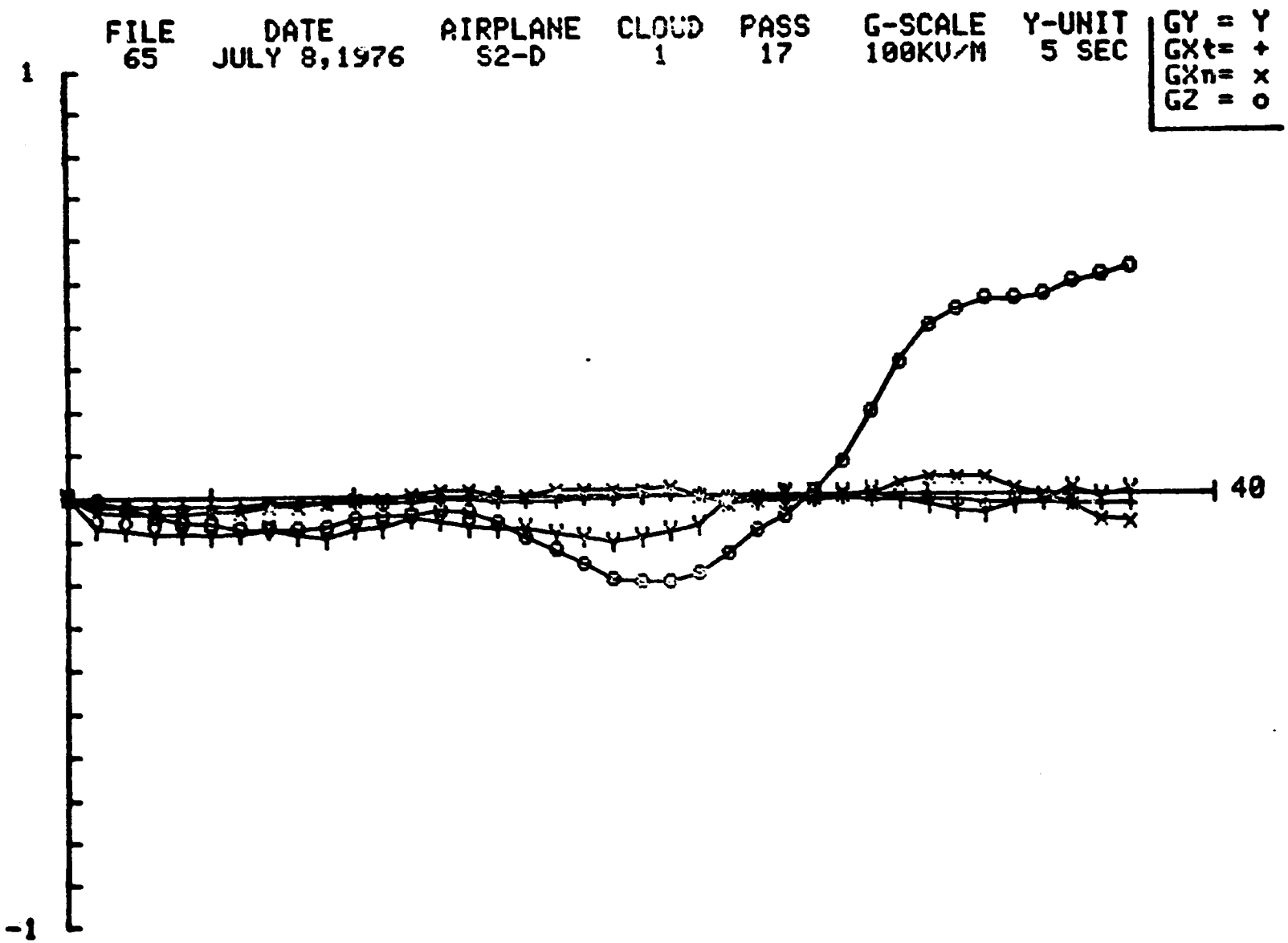
118

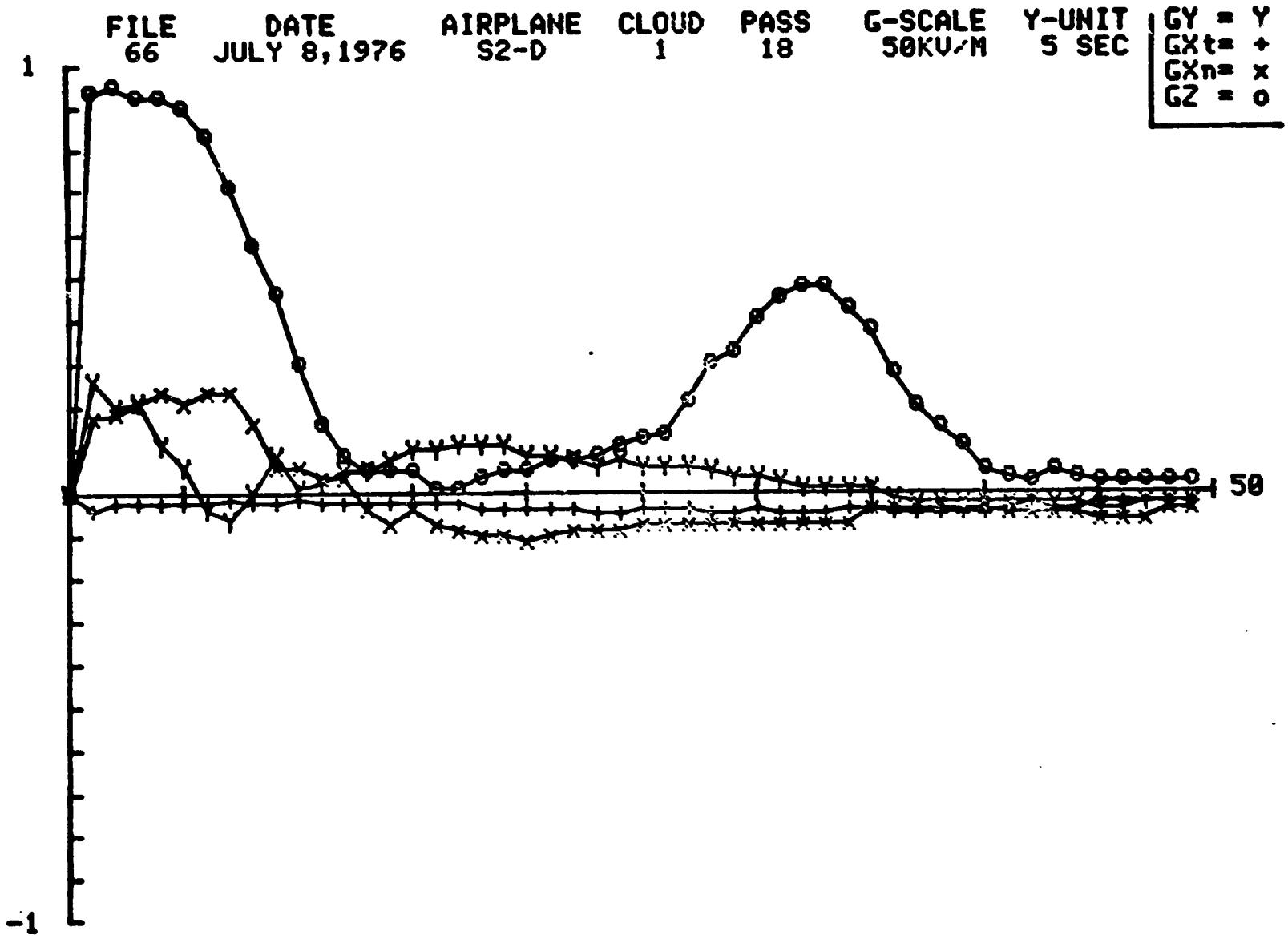

FILE
61
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
13
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
75


FILE
62
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
i
PASS
14
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55


120
FILE
63
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
15
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

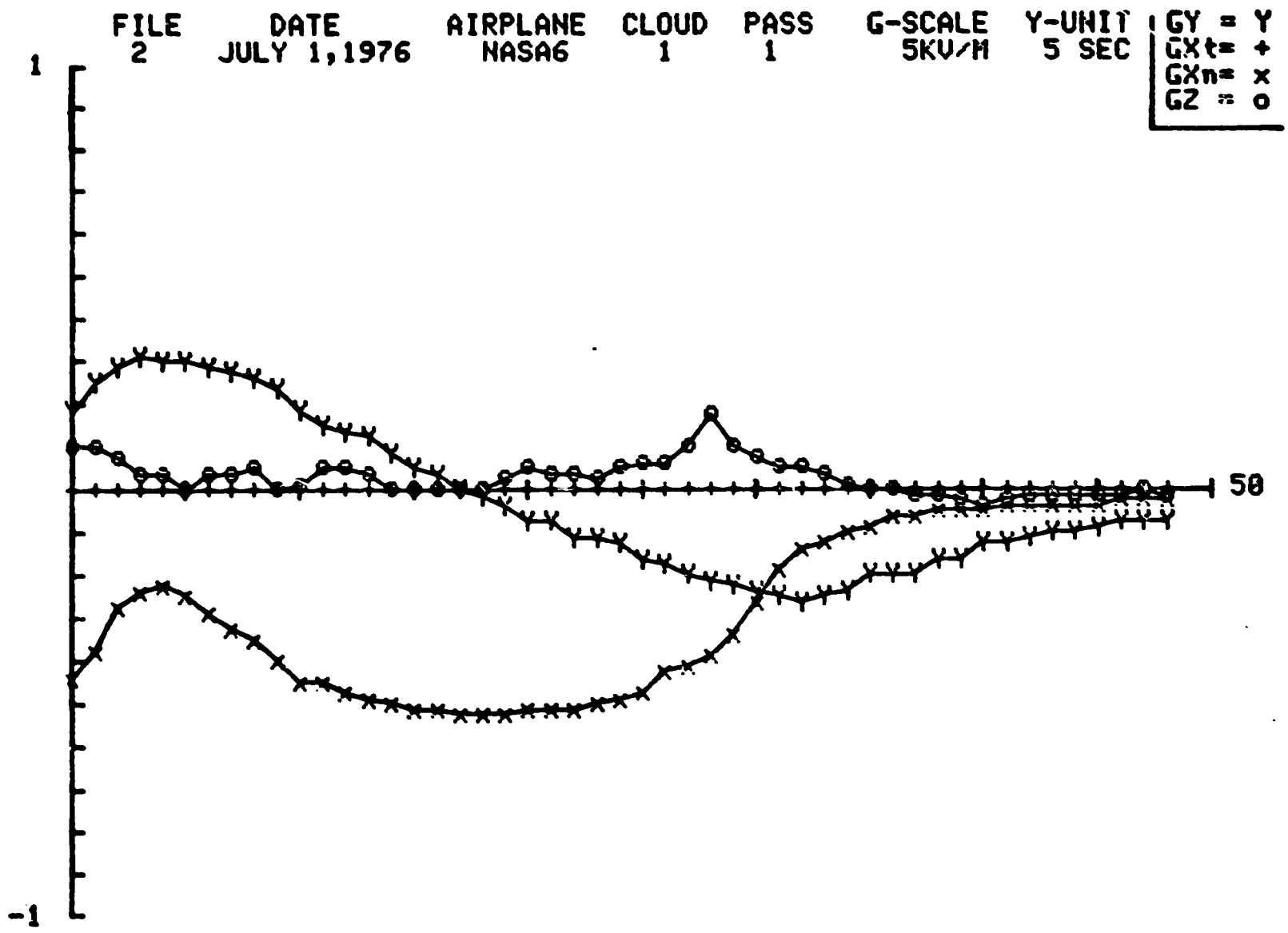

FILE
64
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
16
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
35

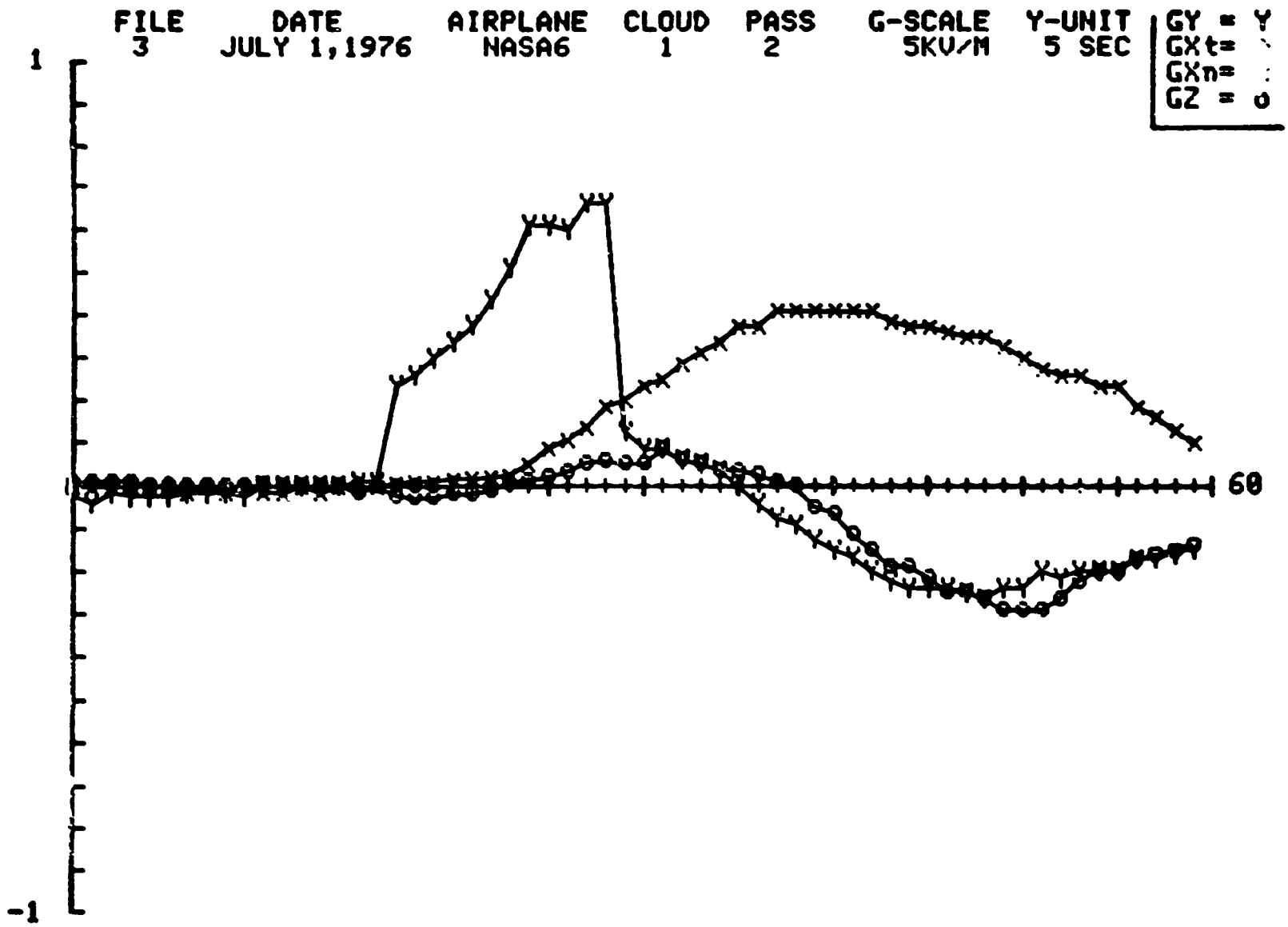

122
FILE
65
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
17
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

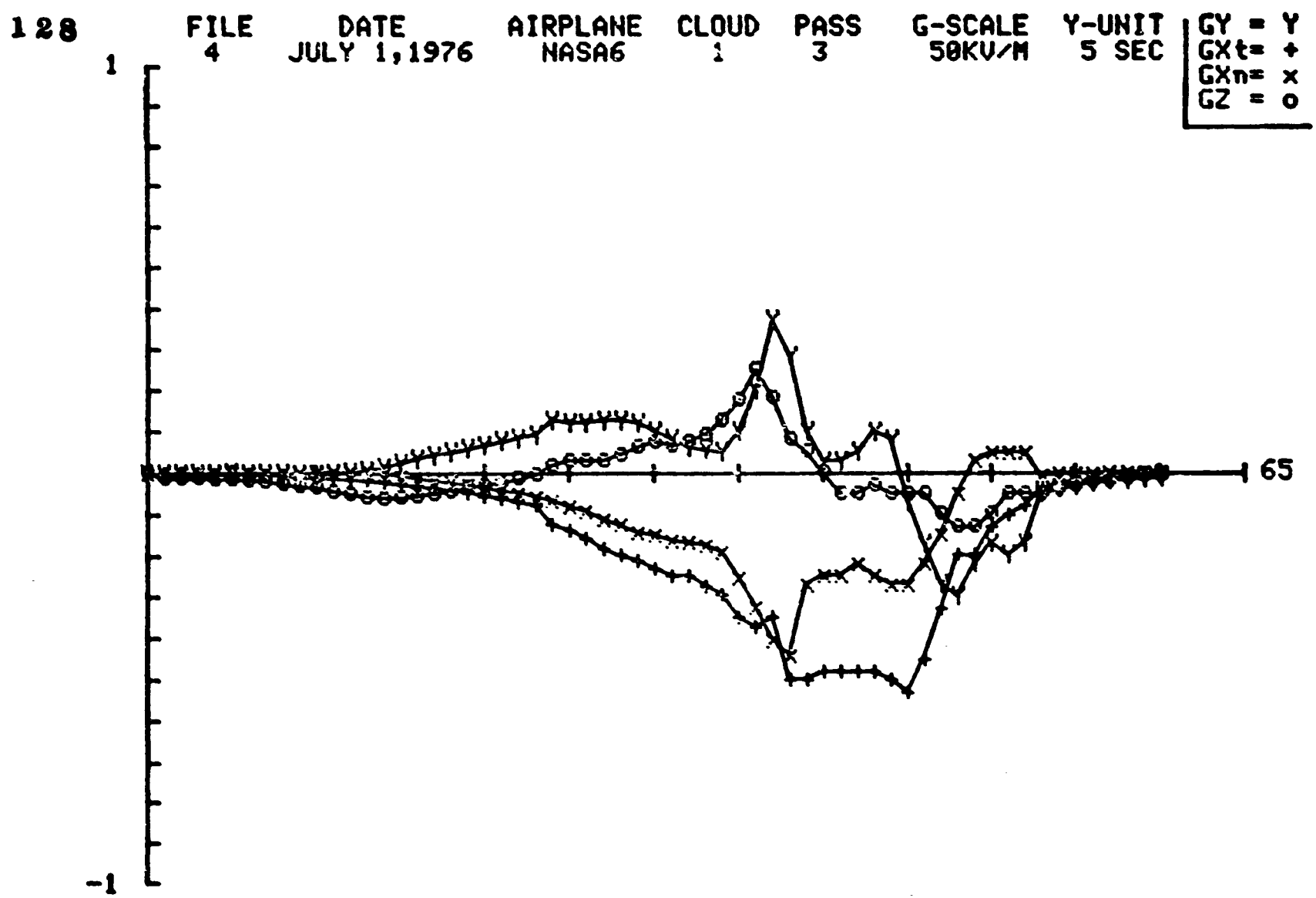

FILE
66
DATE
JULY 8,1976
AIRPLANE
S2-D
CLOUD
1
PASS
18
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

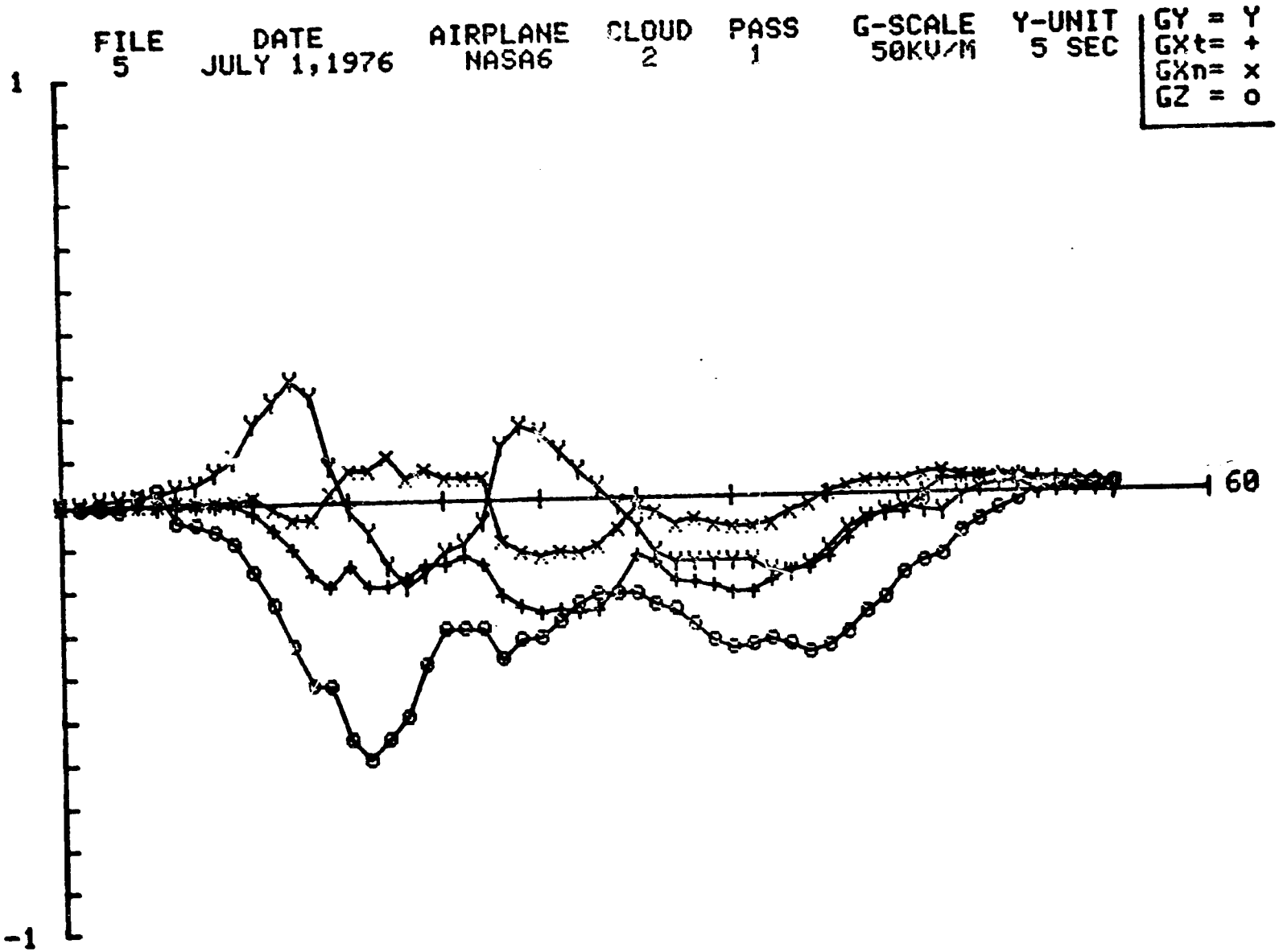
124 FILE	DATE	AIRPLANE	CLOUD	PASS	SCALE	Ymax
2	JULY 1,1976	NASA6	1	1	5K	49
3	JULY 1,1976	NASA6	1	2	5K	60
4	JULY 1,1976	NASA6	1	3	50K	61
5	JULY 1,1976	NASA6	2	1	50K	56
6	JULY 1,1976	NASA6	2	2	50K	55
7	JULY 1,1976	NASA6	2	3	10K	49
8	JULY 1,1976	NASA6	2	4	2.5K	50
9	JULY 1,1976	NASA6	2	5	2.5K	39
10	JULY 1,1976	NASA6	3	1	5K	45
11	JULY 1,1976	NASA6	3	2	5K	55
12	JULY 2,1976	NASA6	1	1	25K	46
13	JULY 2,1976	NASA6	1	2	50K	37
14	JULY 2,1976	NASA6	1	3	50K	48
15	JULY 2,1976	NASA6	1	4	50K	51
16	JULY 2,1976	NASA6	1	5	50K	68
17	JULY 2,1976	NASA6	1	6	50K	60
18	JULY 2,1976	NASA6	1	7	25K	63
19	JULY 2,1976	NASA6	1	8	25K	58
20	JULY 2,1976	NASA6	1	9	50K	54
21	JULY 2,1976	NASA6	1	10	100K	50
22	JULY 2,1976	NASA6	1	11	100K	56
23	JULY 2,1976	NASA6	1	12	50K	35
24	JULY 6,1976	NASA6	1	1	50K	22
25	JULY 6,1976	NASA6	1	2	50K	51
26	JULY 6,1976	NASA6	1	3	50K	54
27	JULY 6,1976	NASA6	1	4	50K	44
28	JULY 6,1976	NASA6	1	5	25K	48
29	JULY 6,1976	NASA6	1	6	50K	56
30	JULY 6,1976	NASA6	1	7	50K	61
31	JULY 6,1976	NASA6	1	8	50K	66
32	JULY 6,1976	NASA6	1	9	25K	50
33	JULY 6,1976	NASA6	1	10	25K	64
34	JULY 6,1976	NASA6	1	11	50K	69

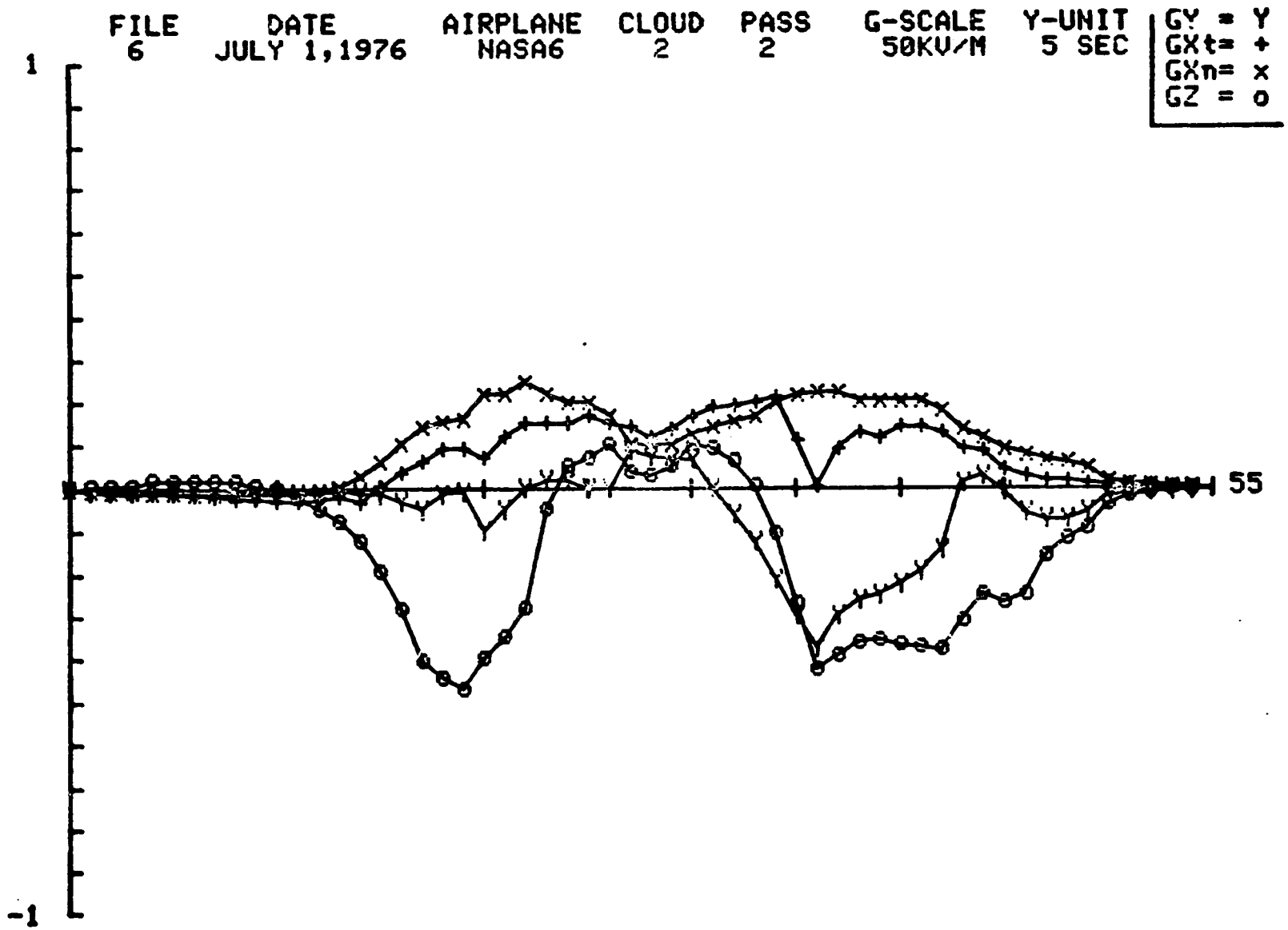
35	JULY 6,1976	NASA6	1	12	25K	66
36	JULY 8,1976	NASA6	1	1	50K	68
37	JULY 8,1976	NASA6	1	2	100K	63
38	JULY 8,1976	NASA6	1	3	25K	26
39	JULY 8,1976	NASA6	1	4	50K	27
40	JULY 8,1976	NASA6	1	5	50K	44
41	JULY 13,1976	NASA6	1	1	10K	77
42	JULY 13,1976	NASA6	1	2	5K	79
43	JULY 13,1976	NASA6	1	3	5K	44
44	JULY 13,1976	NASA6	1	4	2.5K	52
45	JULY 13,1976	NASA6	1	5	2.5K	47
46	JULY 13,1976	NASA6	1	6	500	38
47	JULY 13,1976	NASA6	1	7	500	46
48	JULY 13,1976	NASA6	1	8	500	60

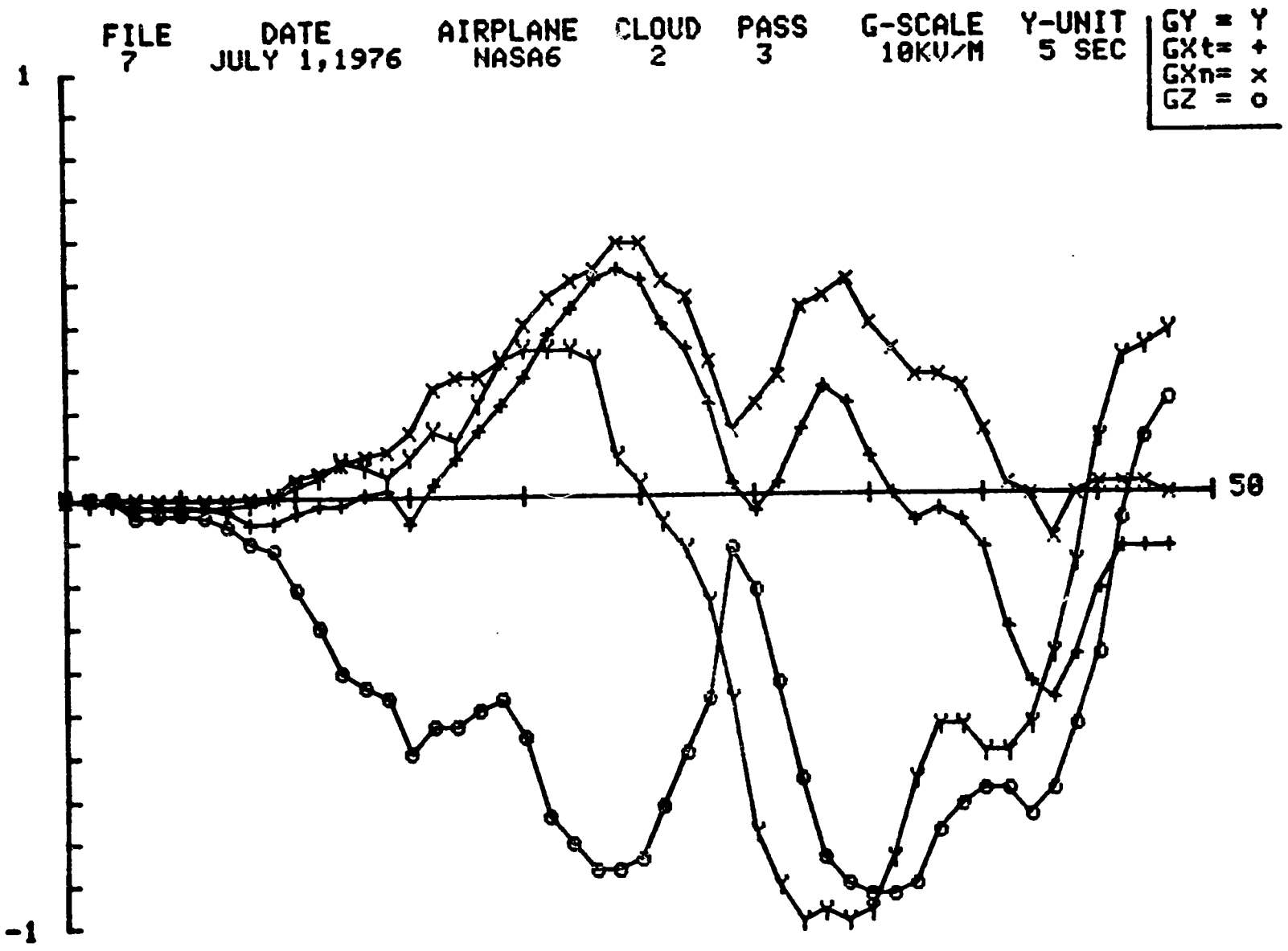

FILE
2
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
1
PASS
1
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50


FILE
3
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
1
PASS
2
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt=
GXn=
GZ = 0
1
-1
60

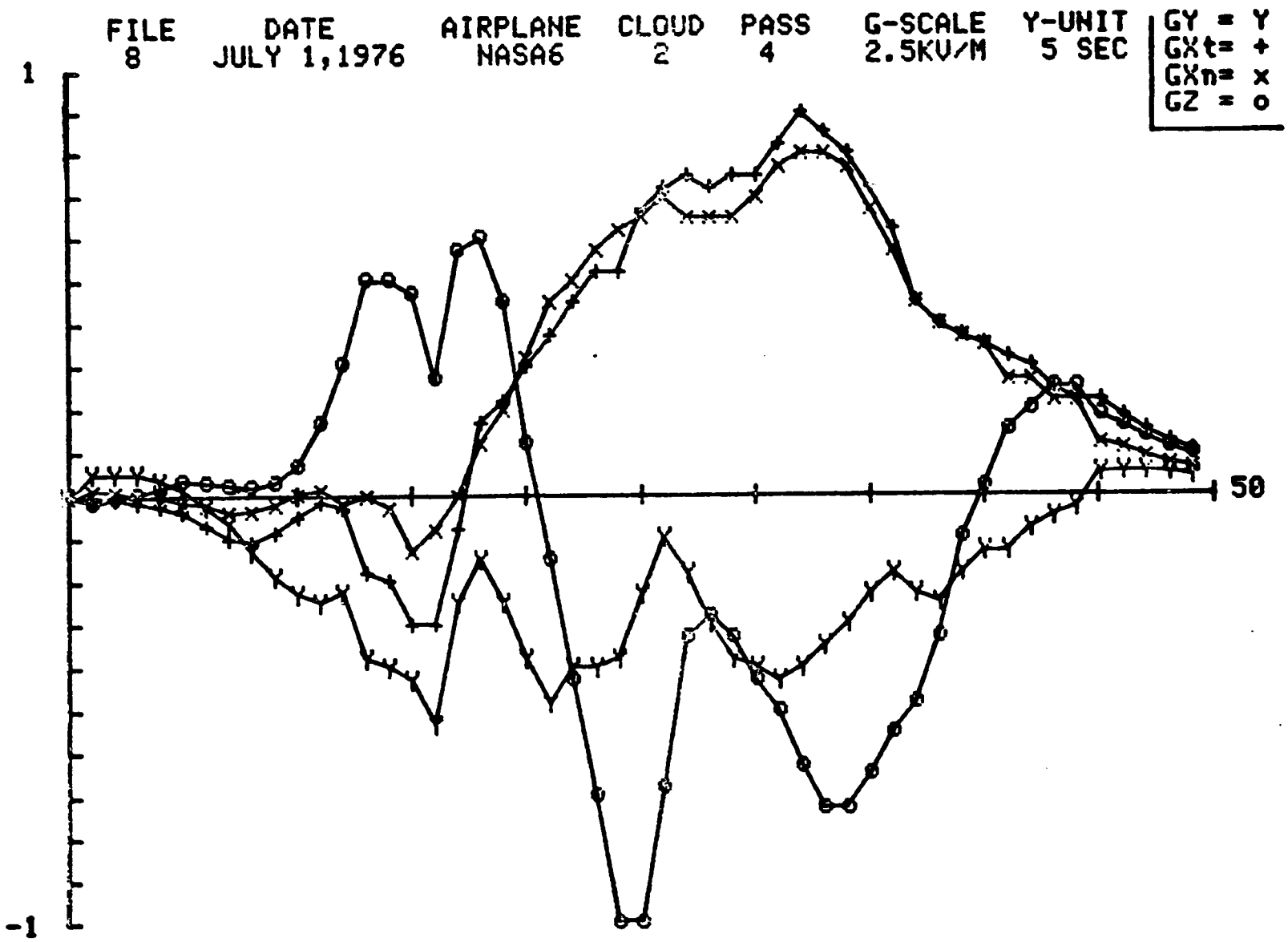

128
FILE
4
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
1
PASS
3
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

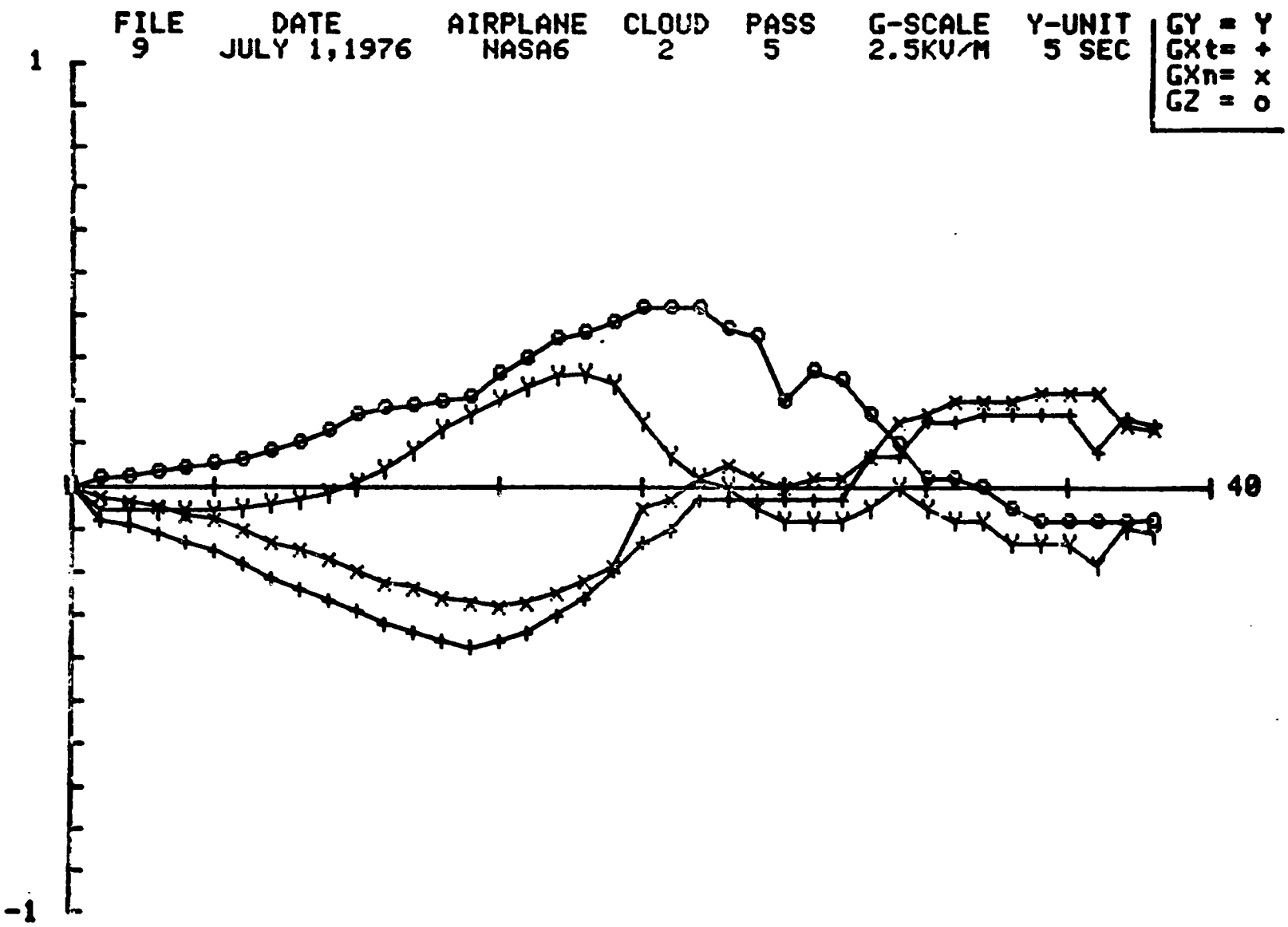

FILE
5
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
2
PASS
1
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

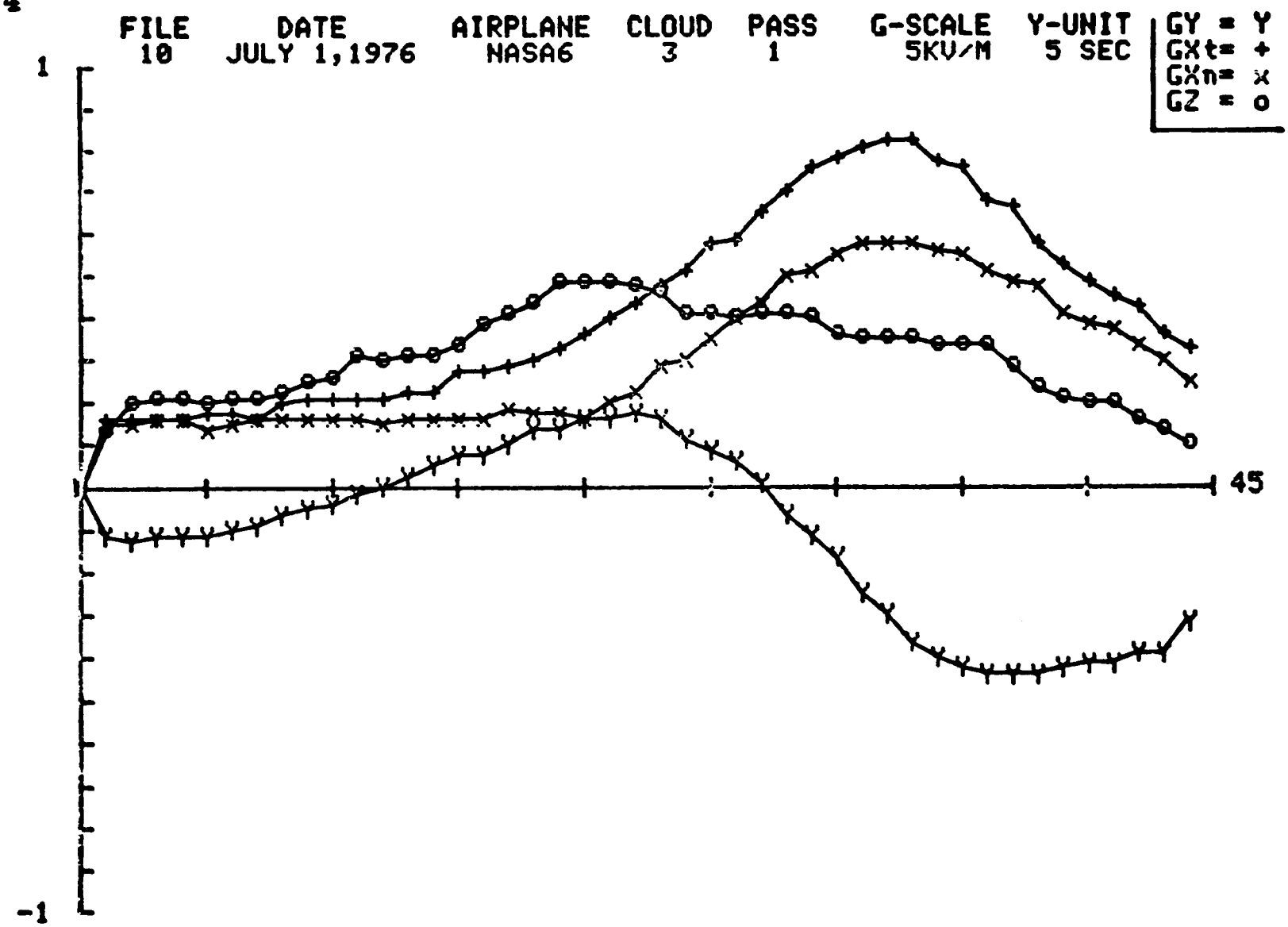

130
FILE
6
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
2
PASS
2
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
130
1
-1
55

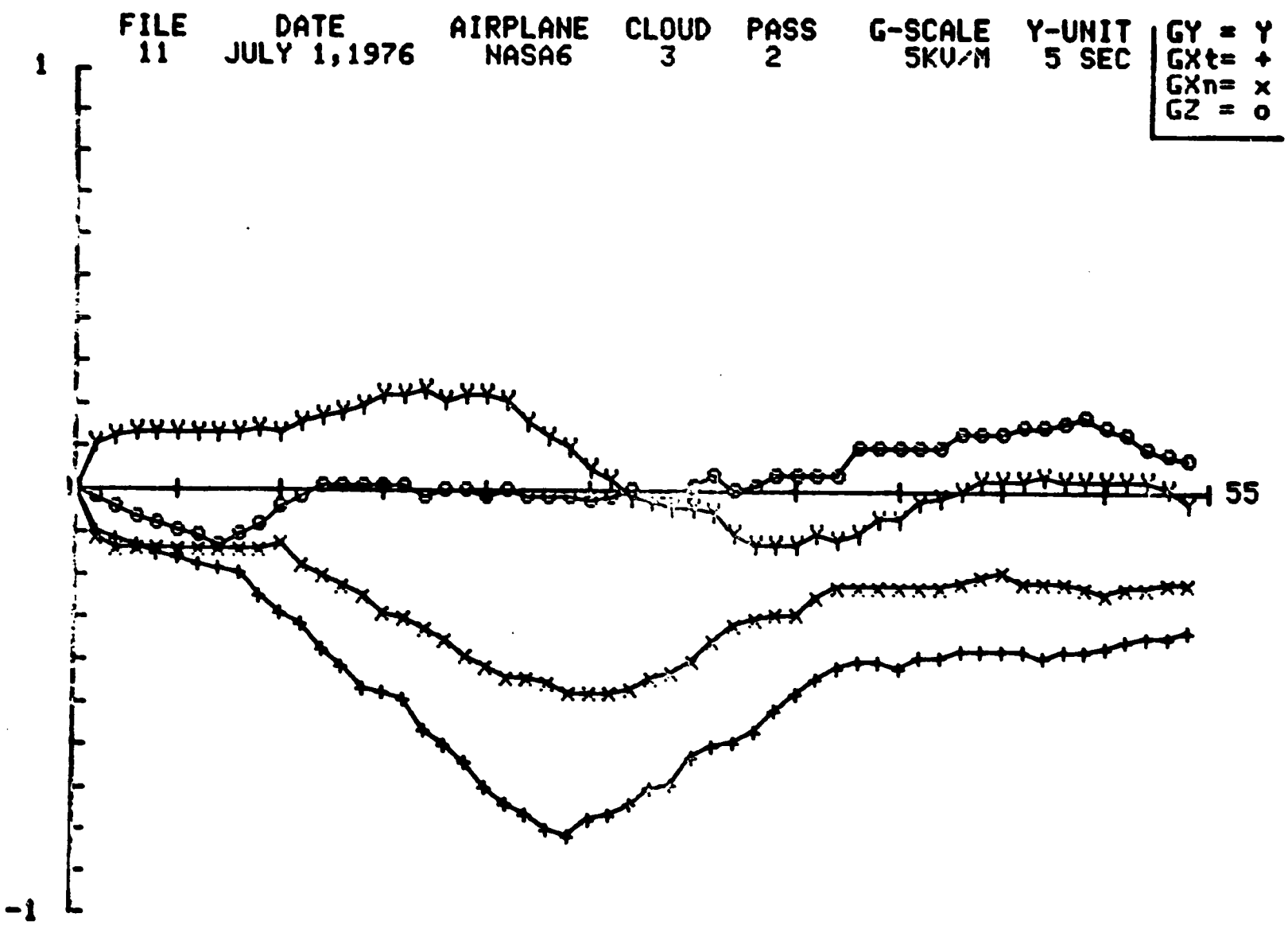

FILE
7
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
2
PASS
3
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

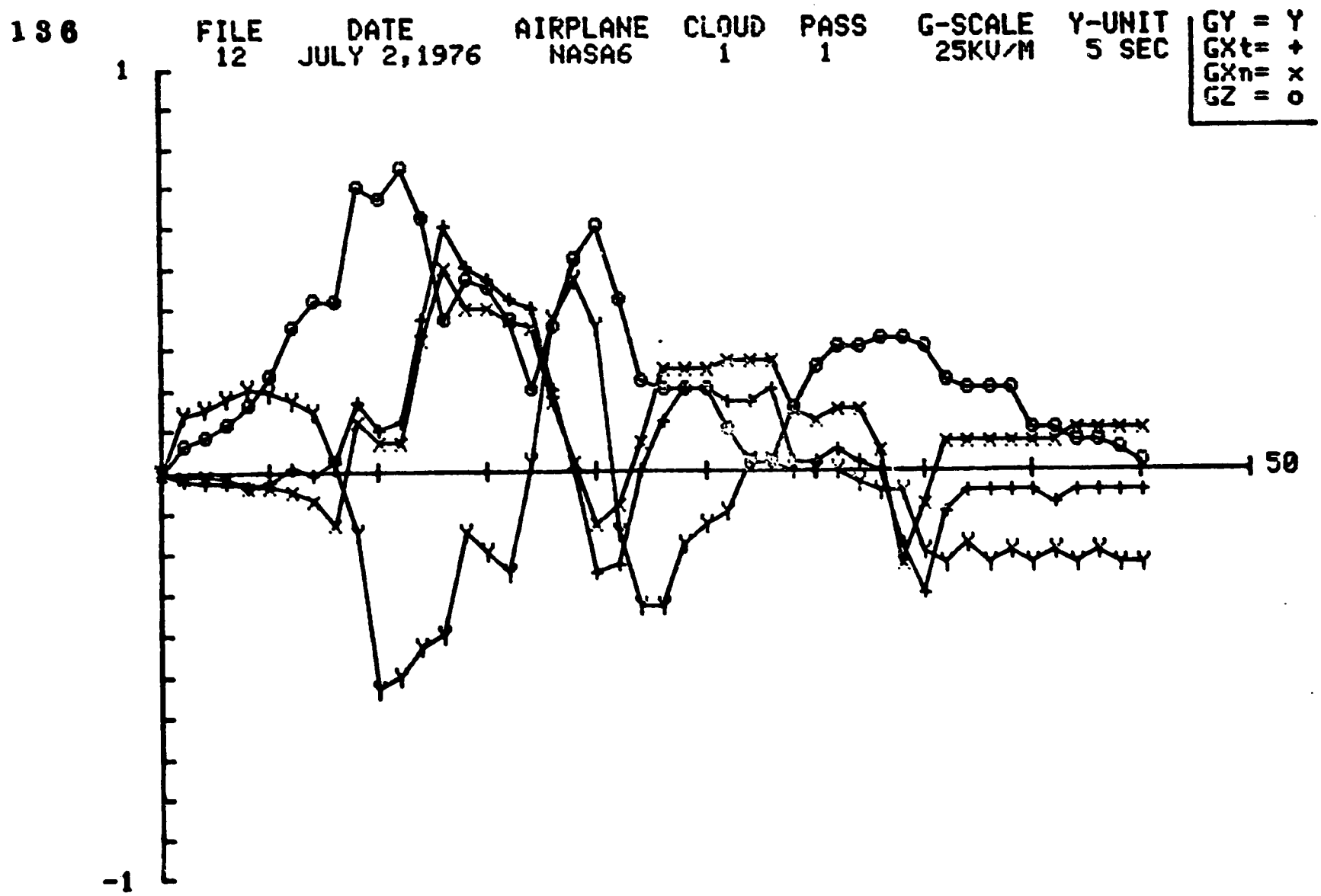
132

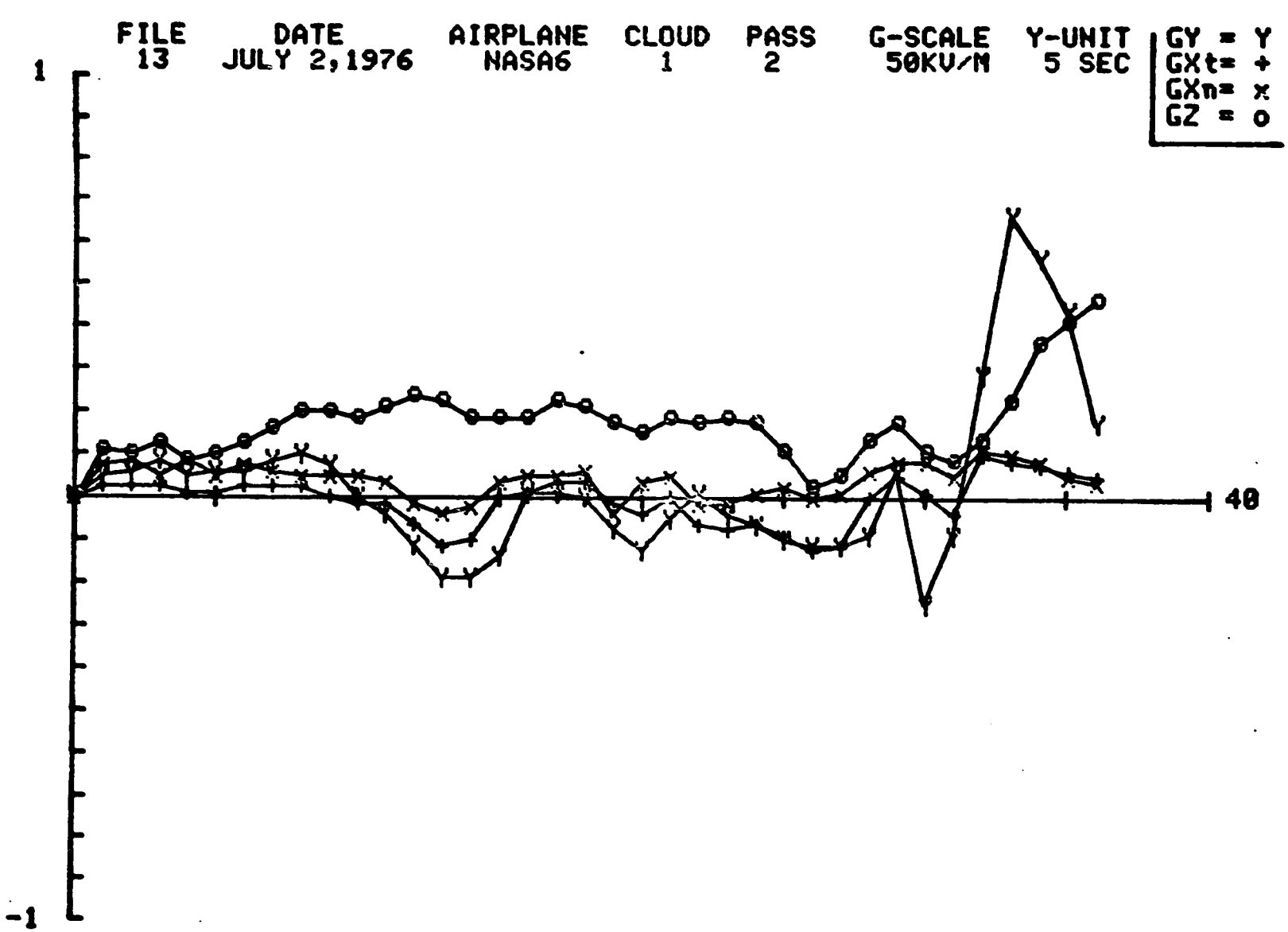

FILE
8
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
2
PASS
4
G-SCALE
2.5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

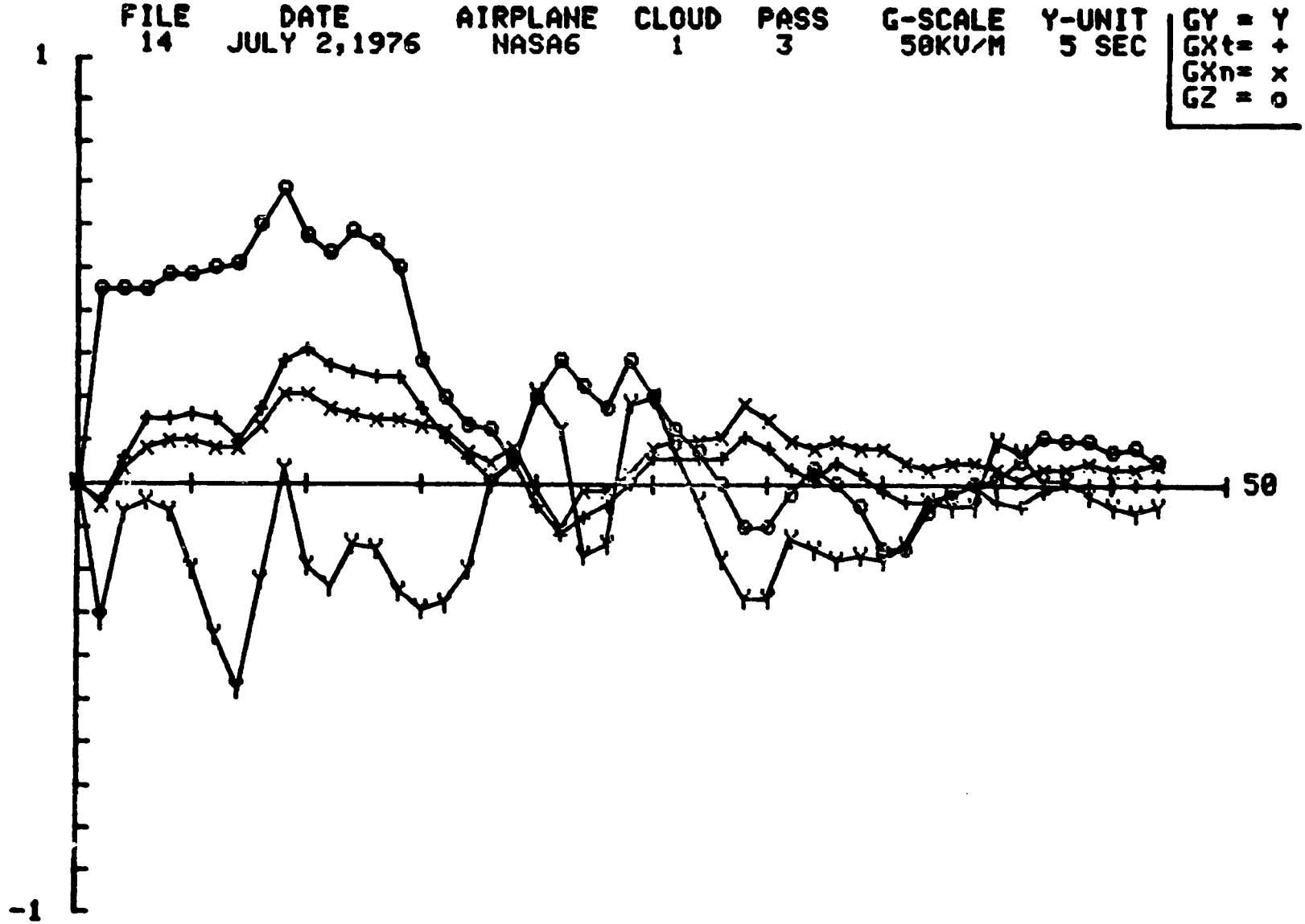

FILE 9
DATE JULY 1,1976
AIRPLANE NASA6
CLOUD 2
PASS 5
G-SCALE 2.5KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

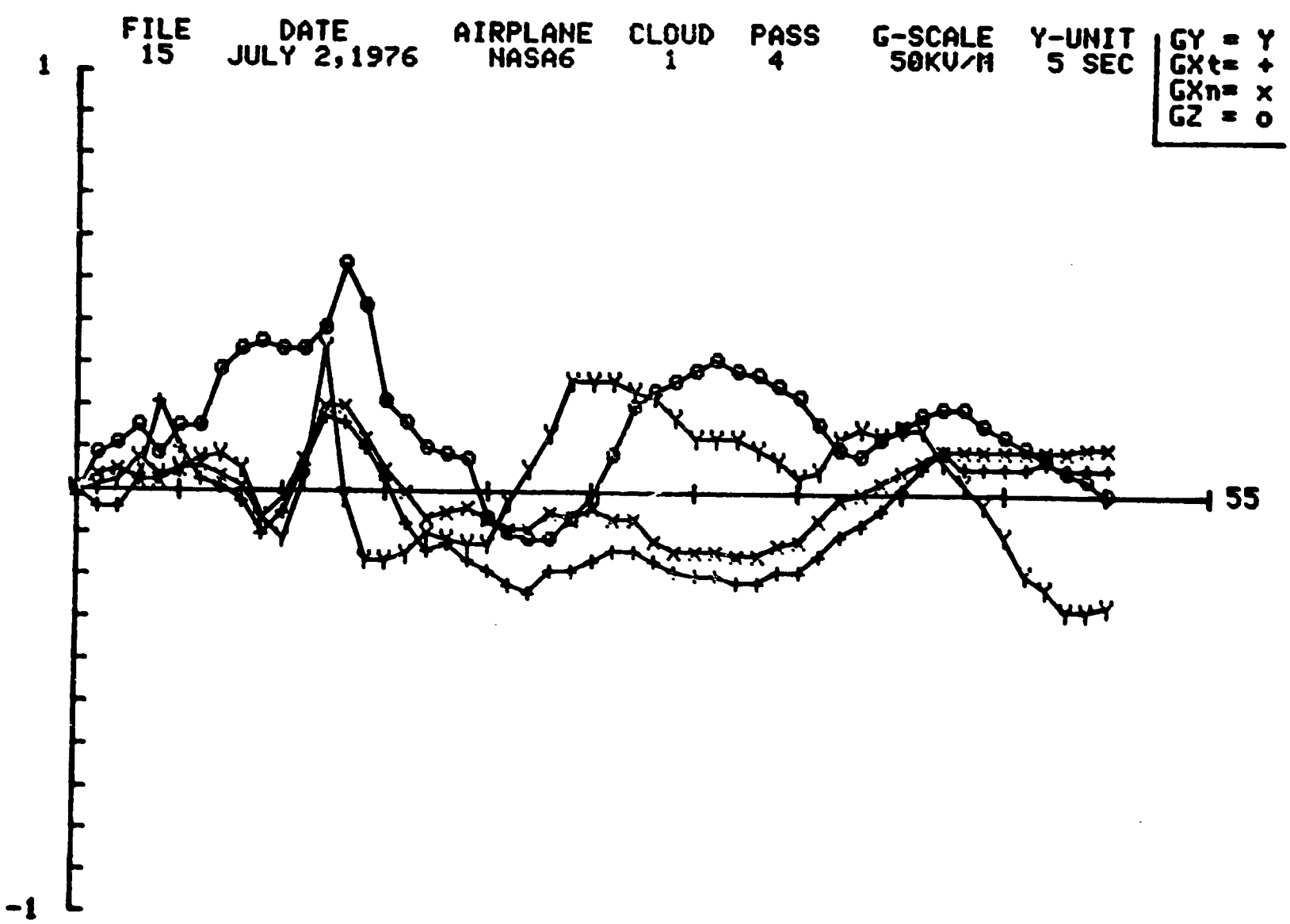

FILE
10
DATE
JULY 1,1976
AIRPLANE
NASA6
CLOUD
3
PASS
1
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45

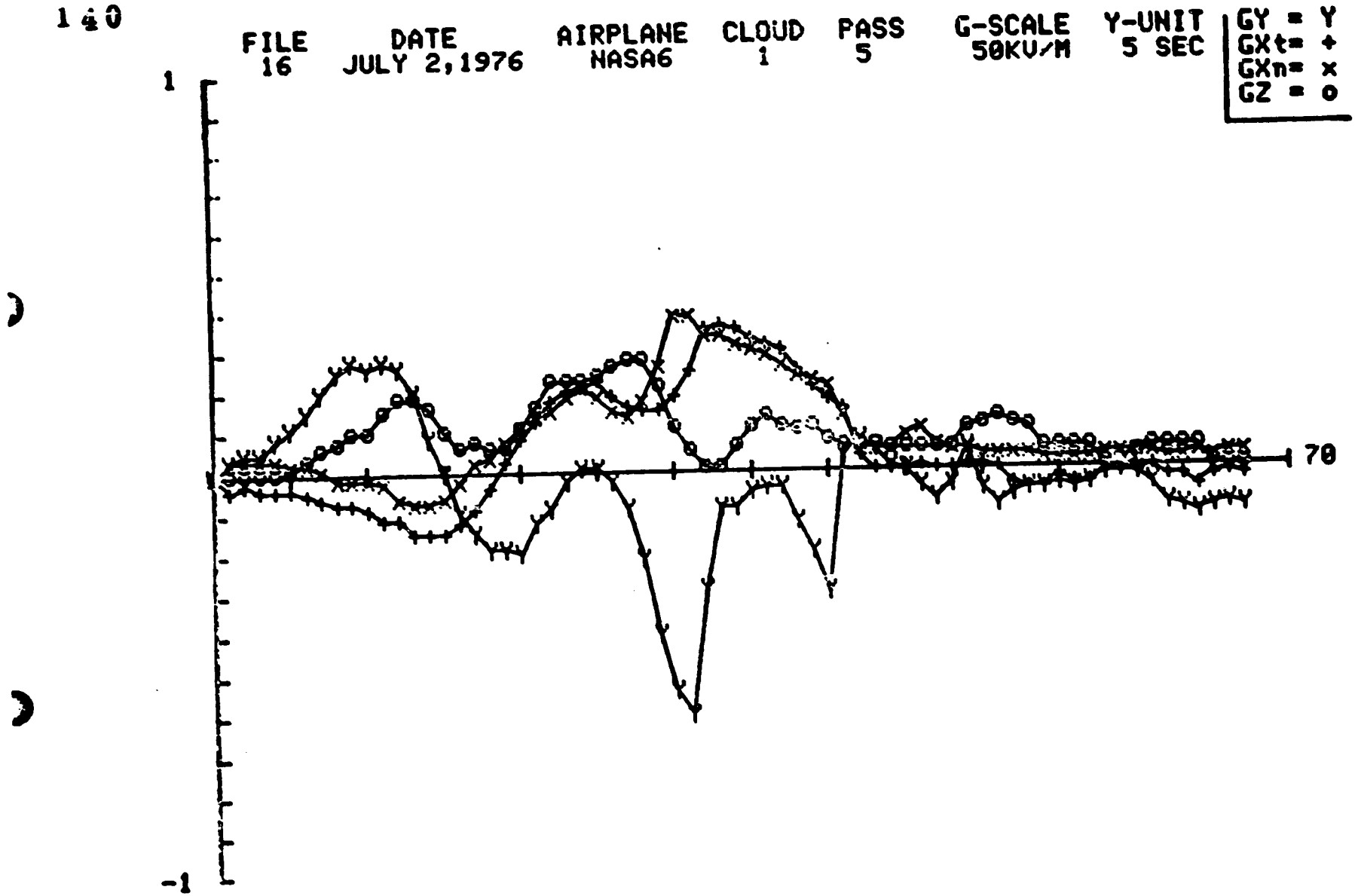

FILE 11
DATE JULY 1,1976
AIRPLANE NASA6
CLOUD 3
PASS 2
G-SCALE 5KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

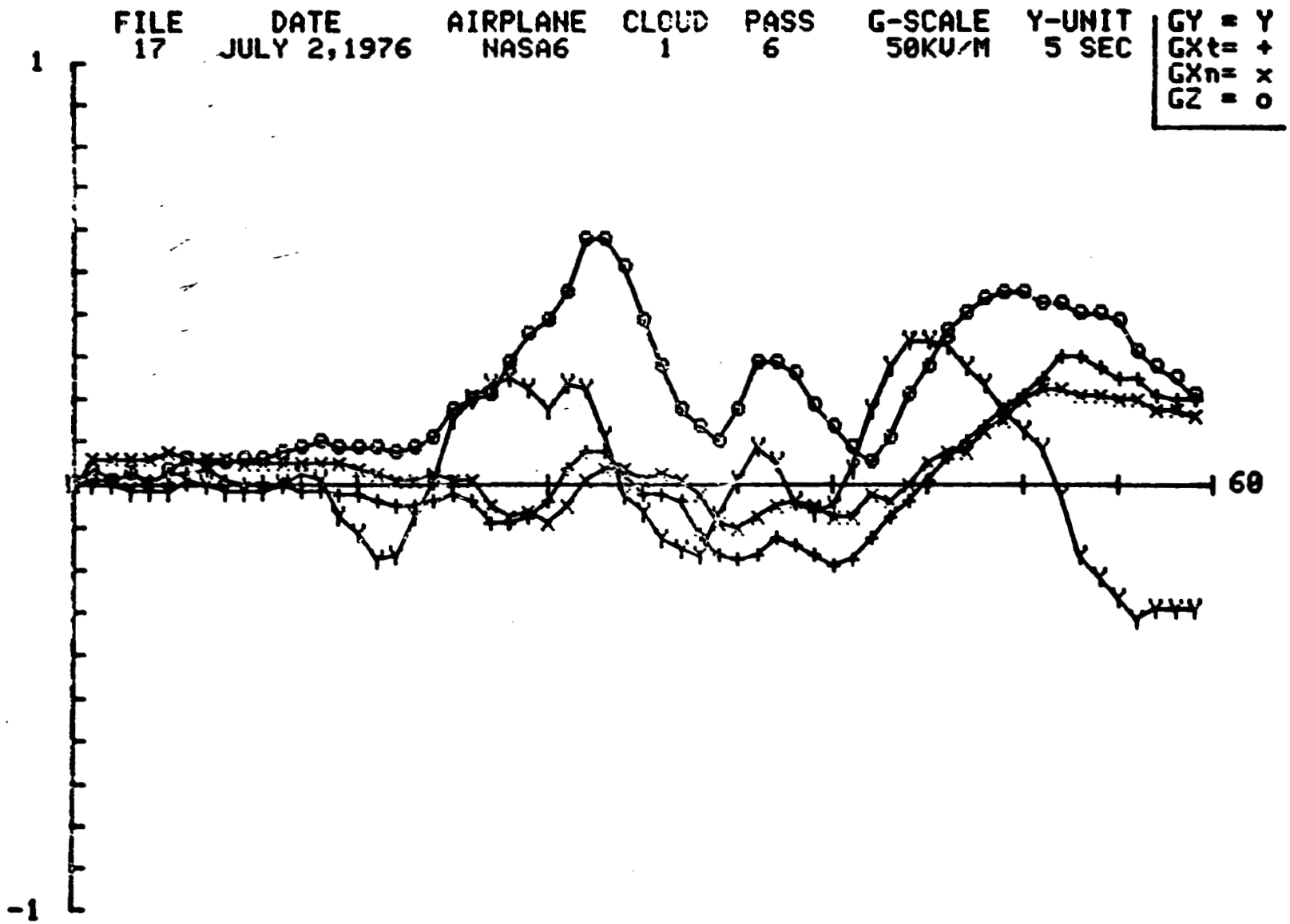

136
FILE
12
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
1
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50


FILE
13
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
2
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40

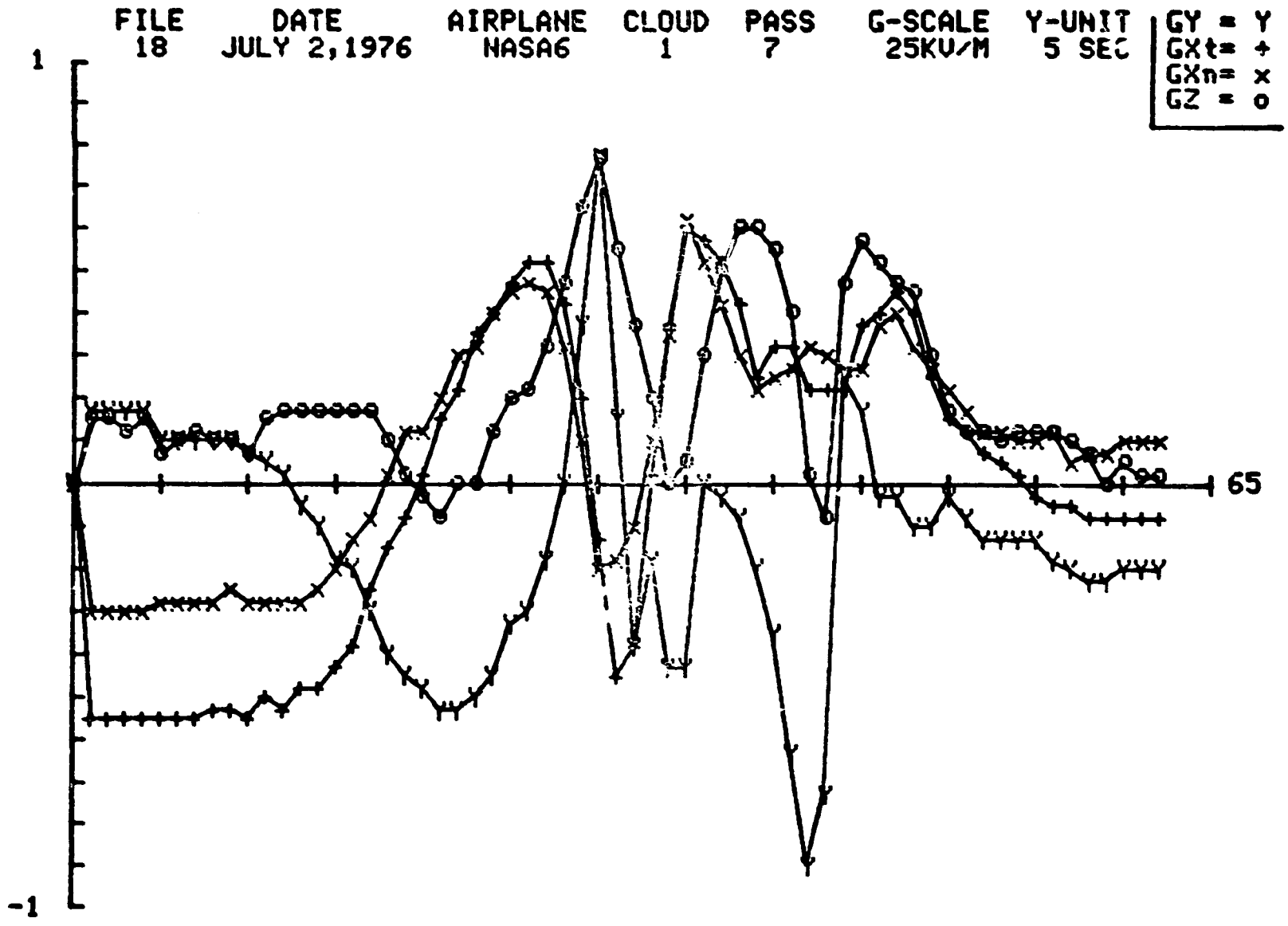

FILE
14
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
3
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

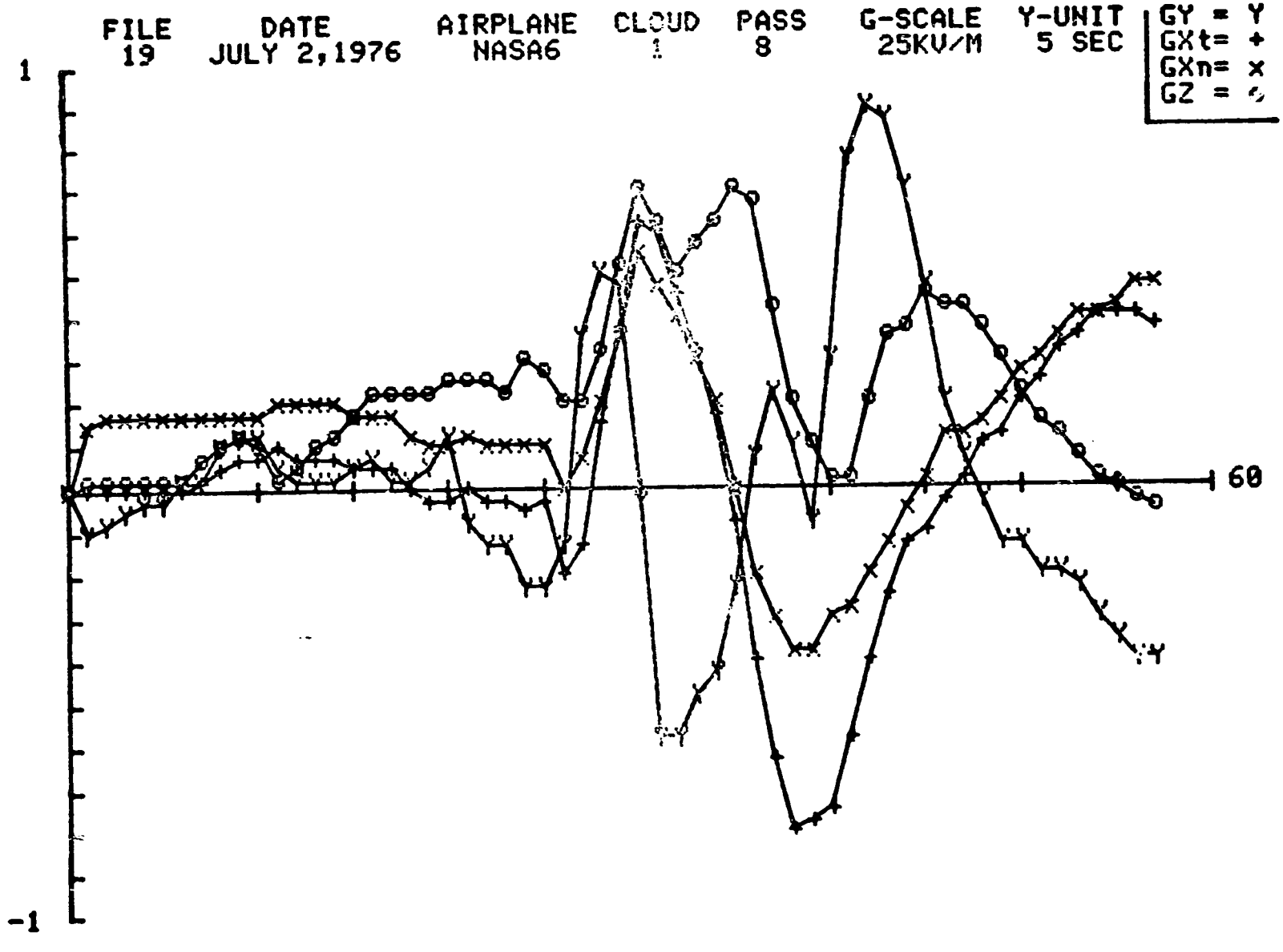

FILE
15
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
4
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

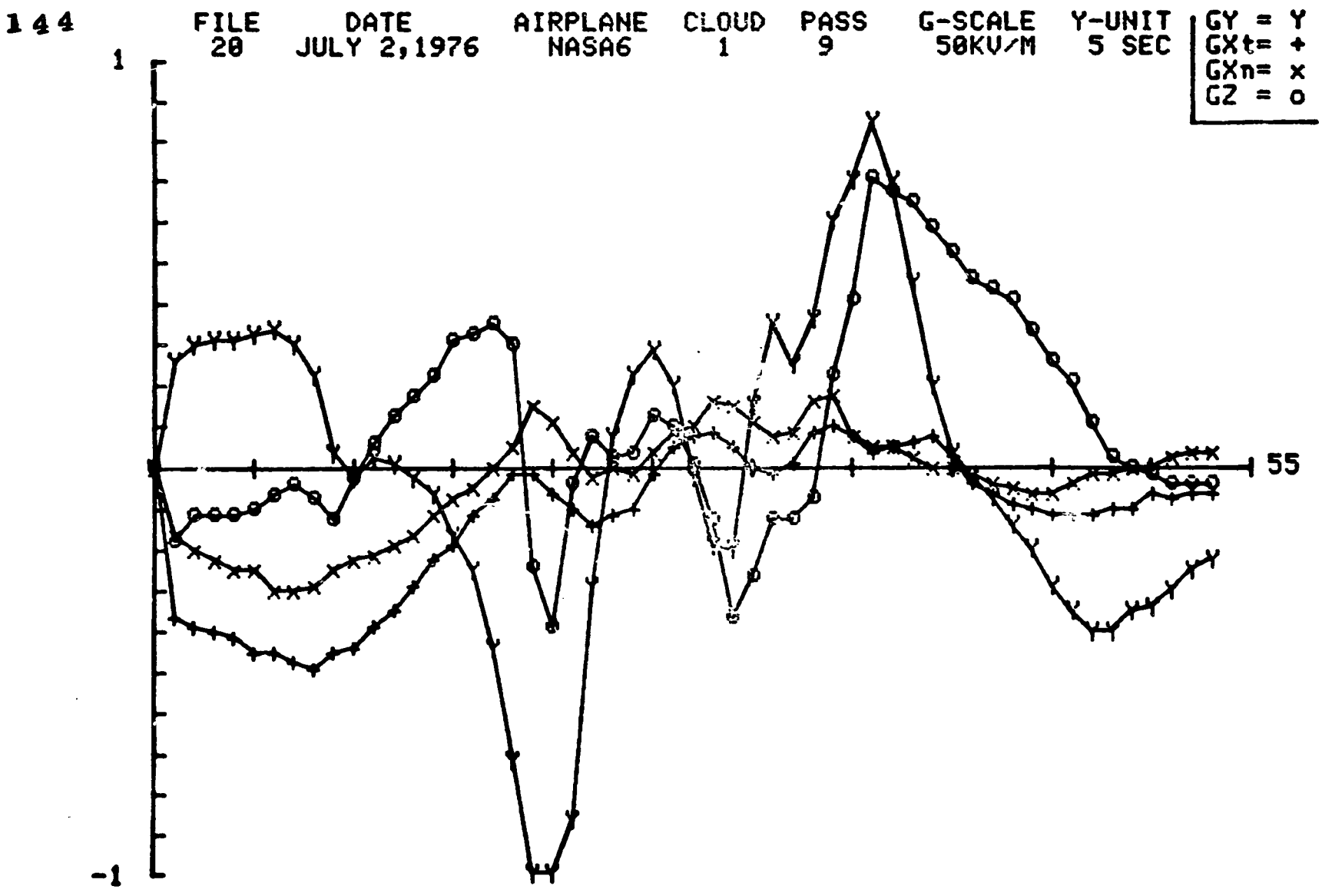

140
FILE
16
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
5
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

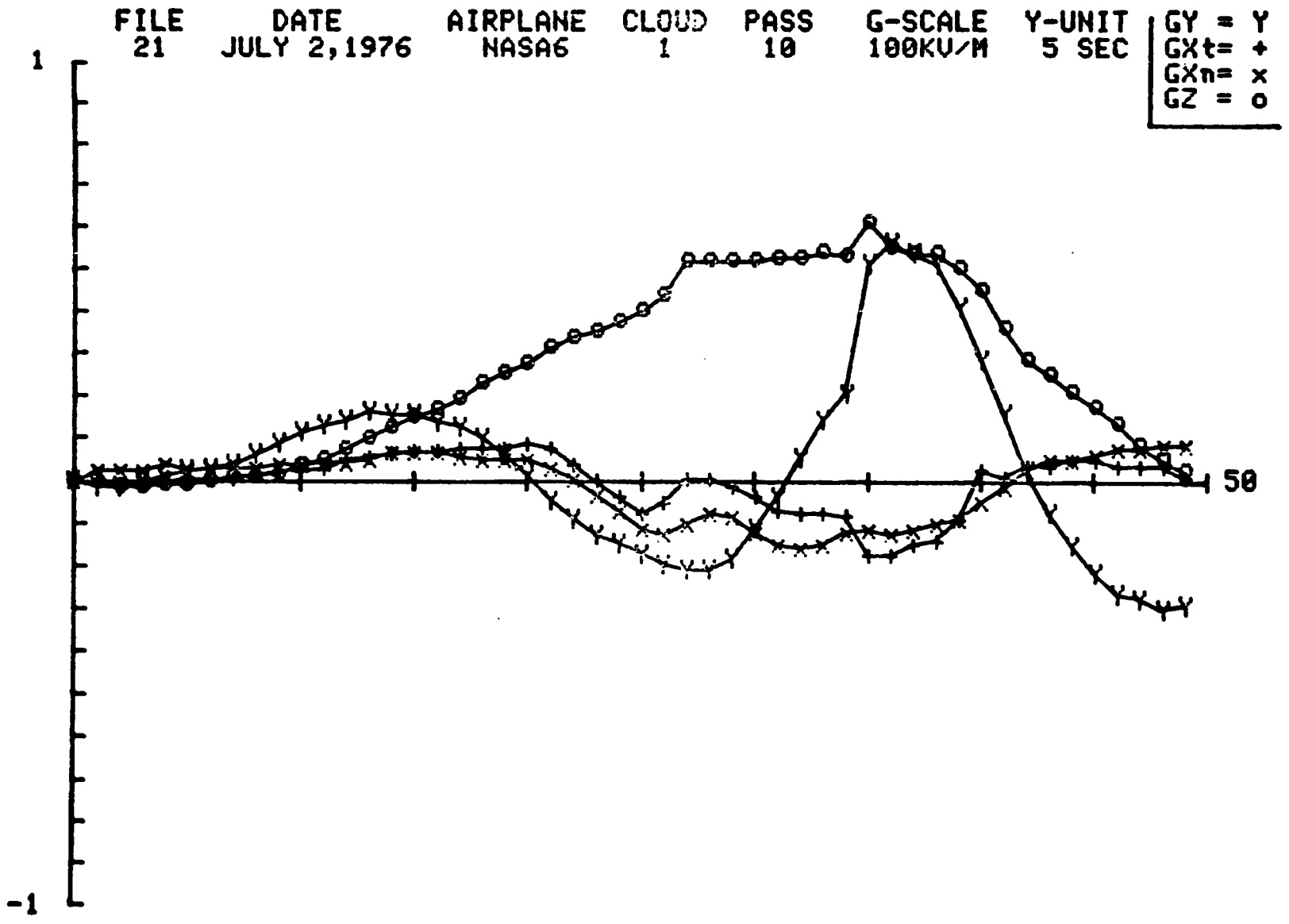

FILE 17
DATE JULY 2,1976
AIRPLANE NASA6
CLOUD 1
PASS 6
G-SCALE 50KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

142

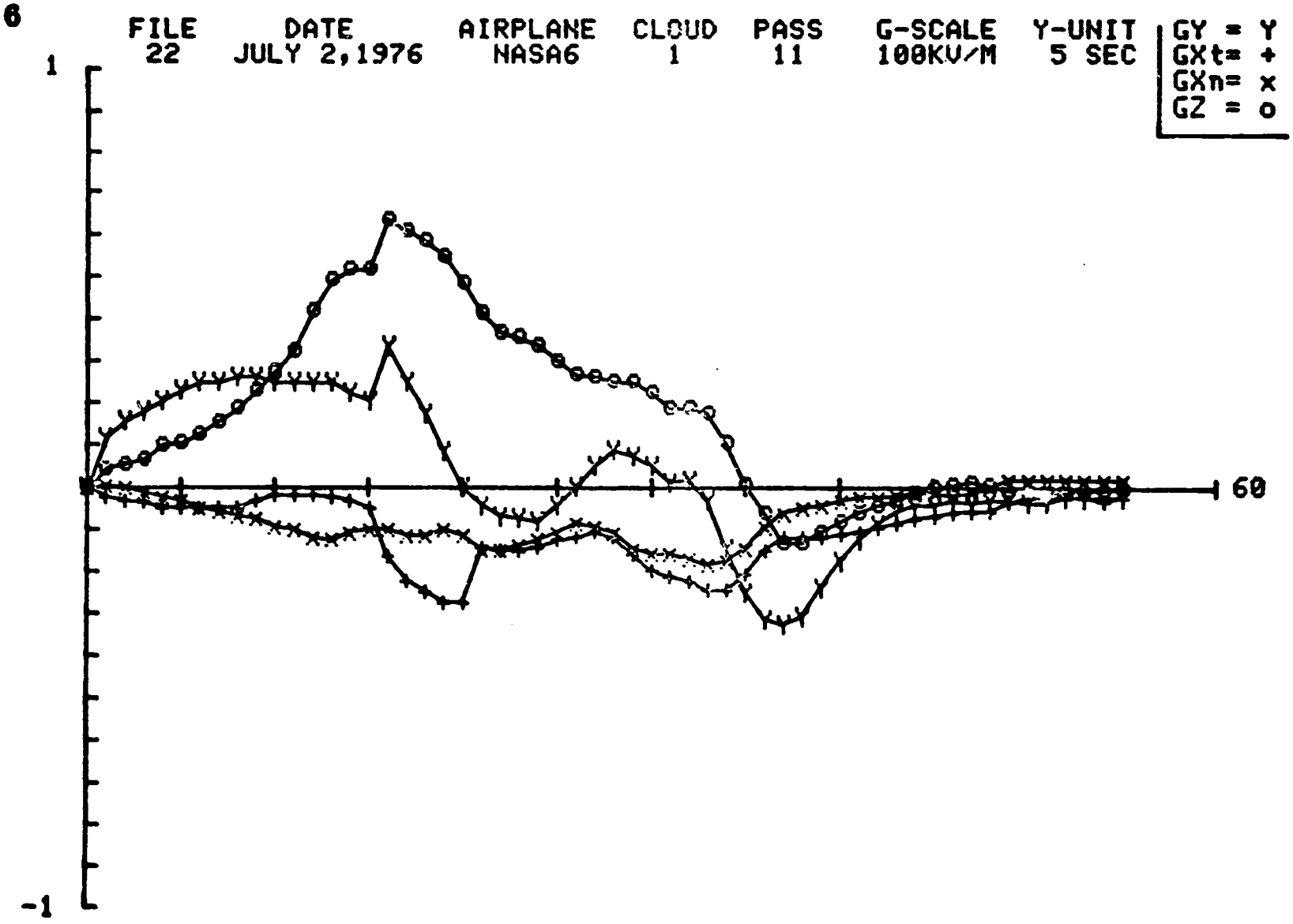

FILE
18
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
7
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

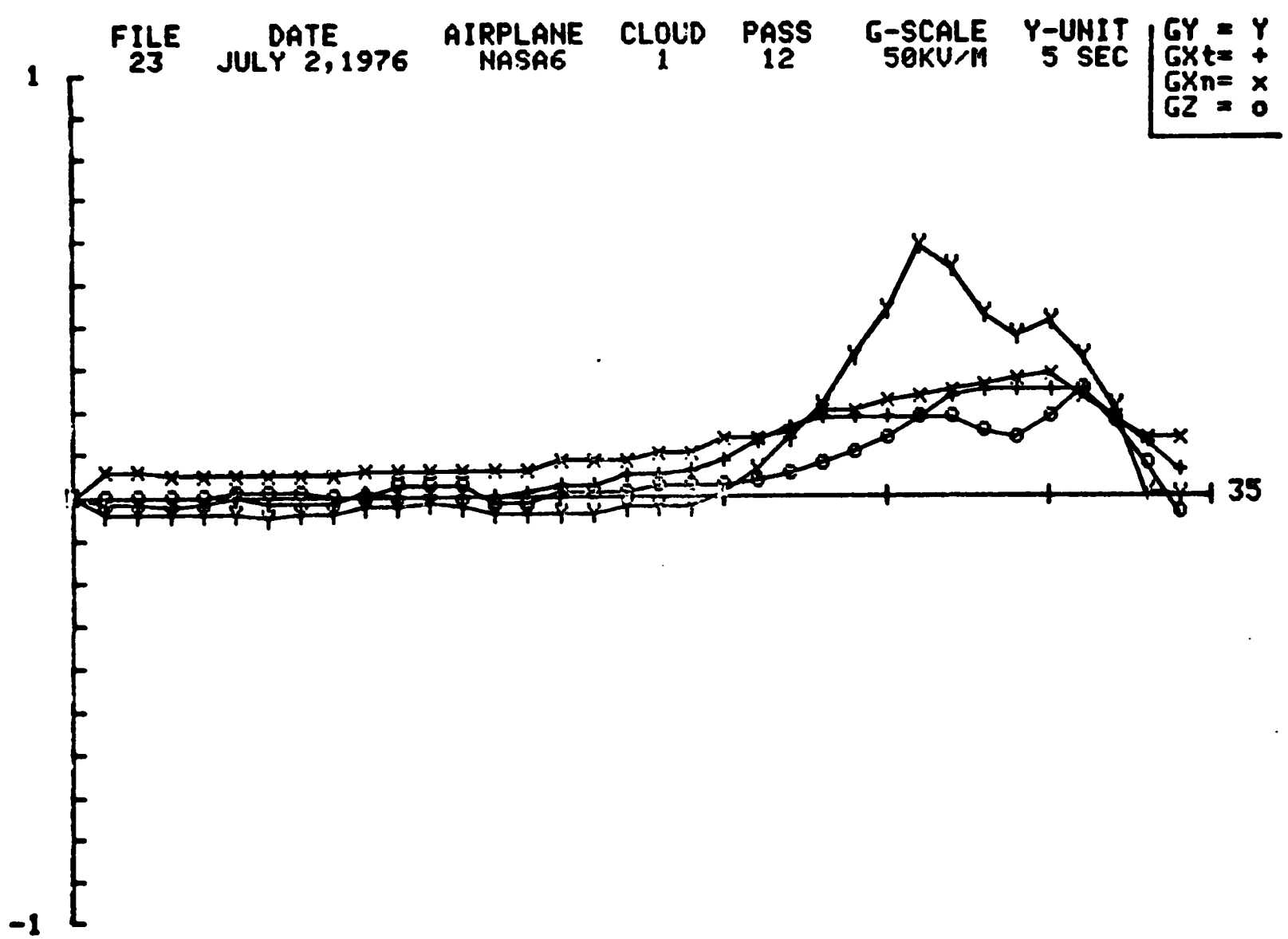

FILE
19
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
8
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

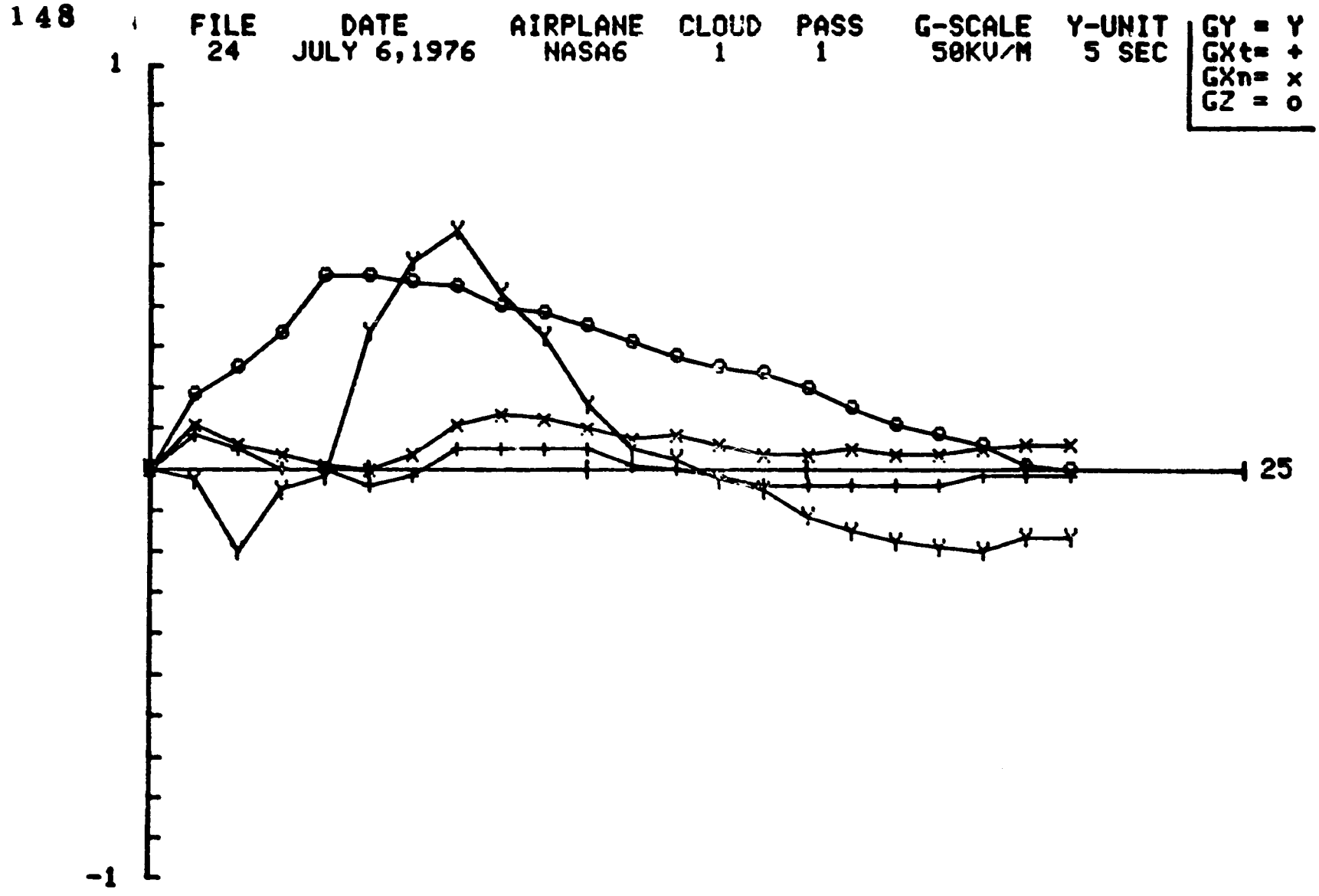

144
FILE
20
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
9
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

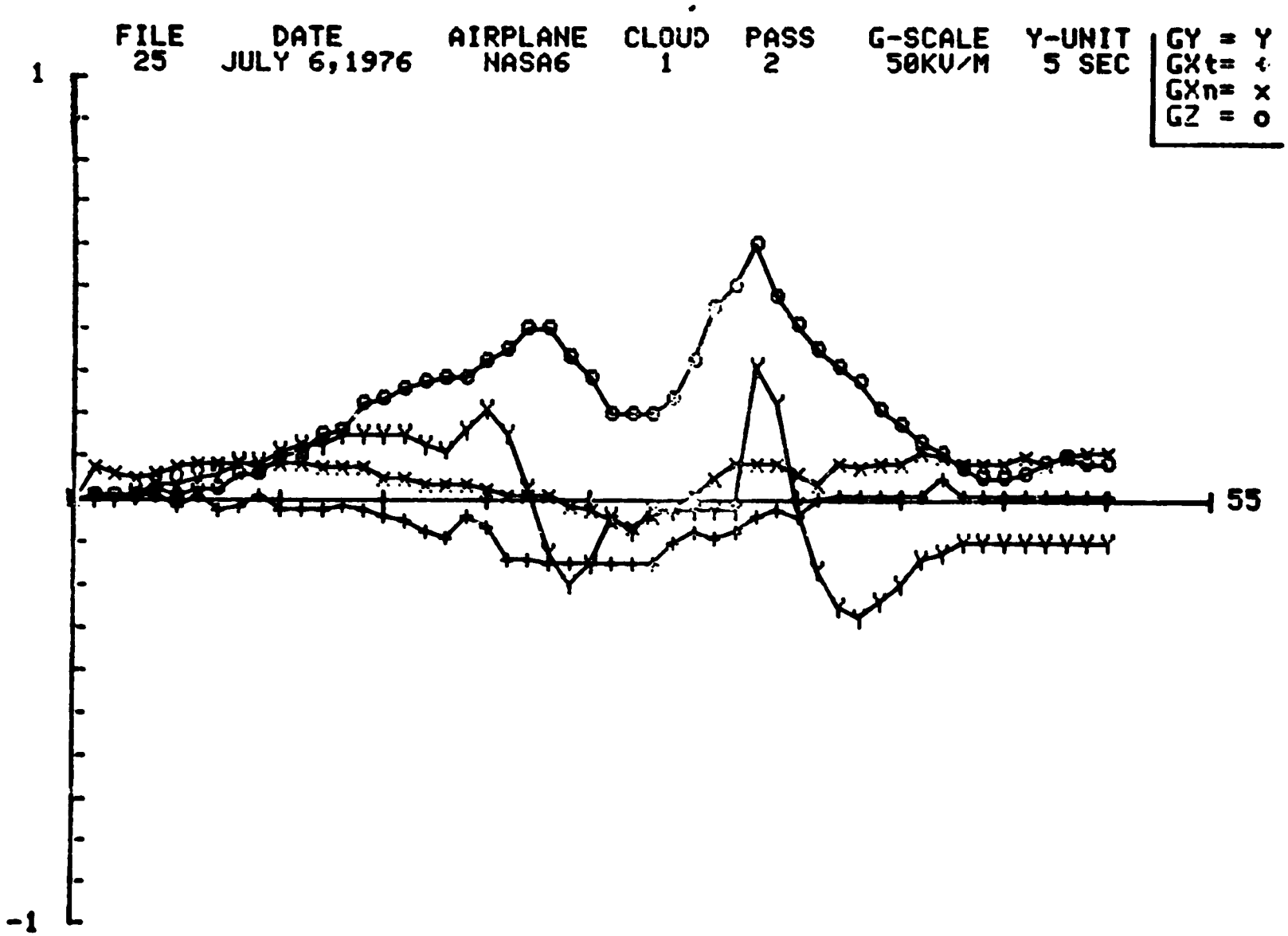

FILE
21
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
10
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50

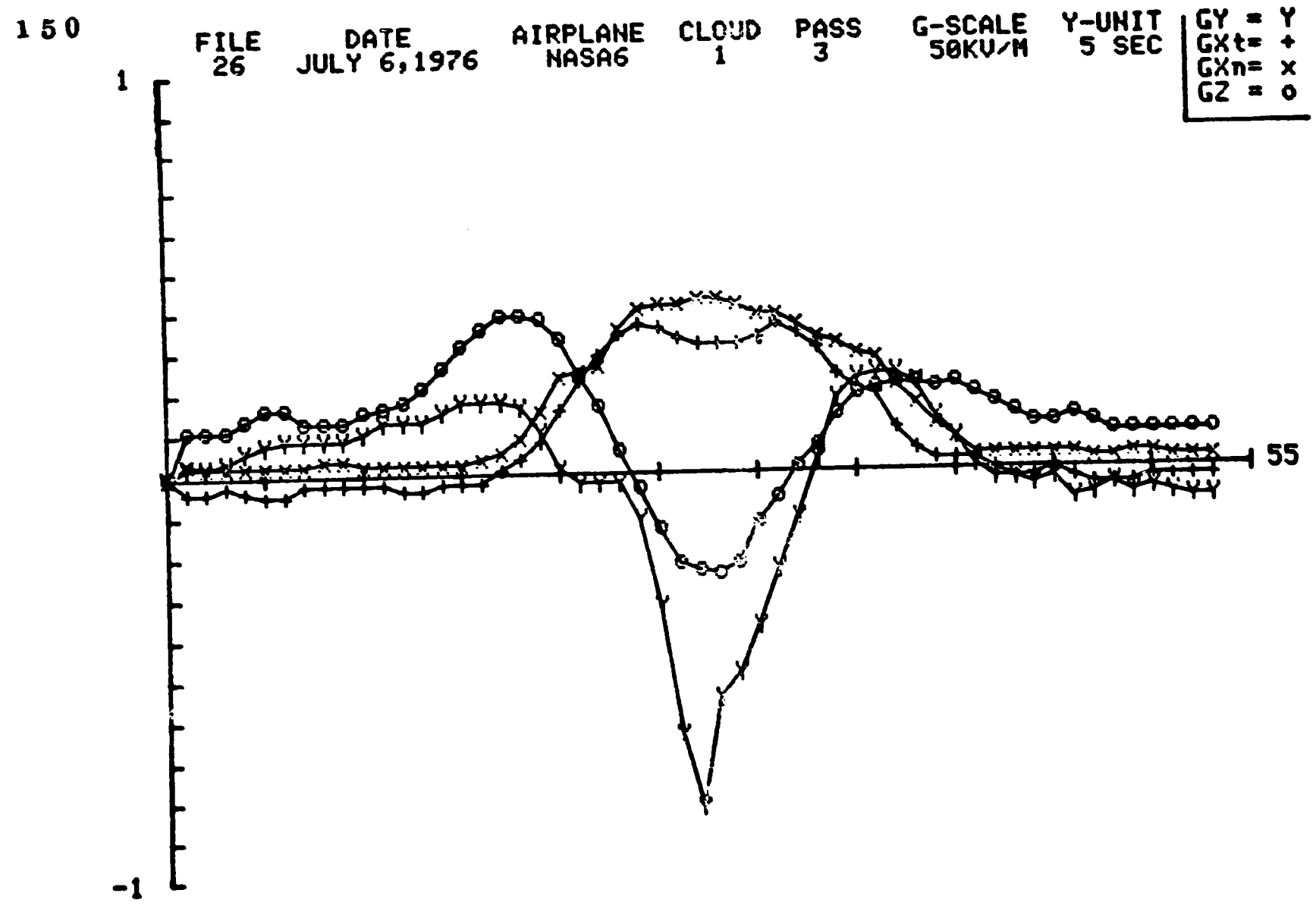
146

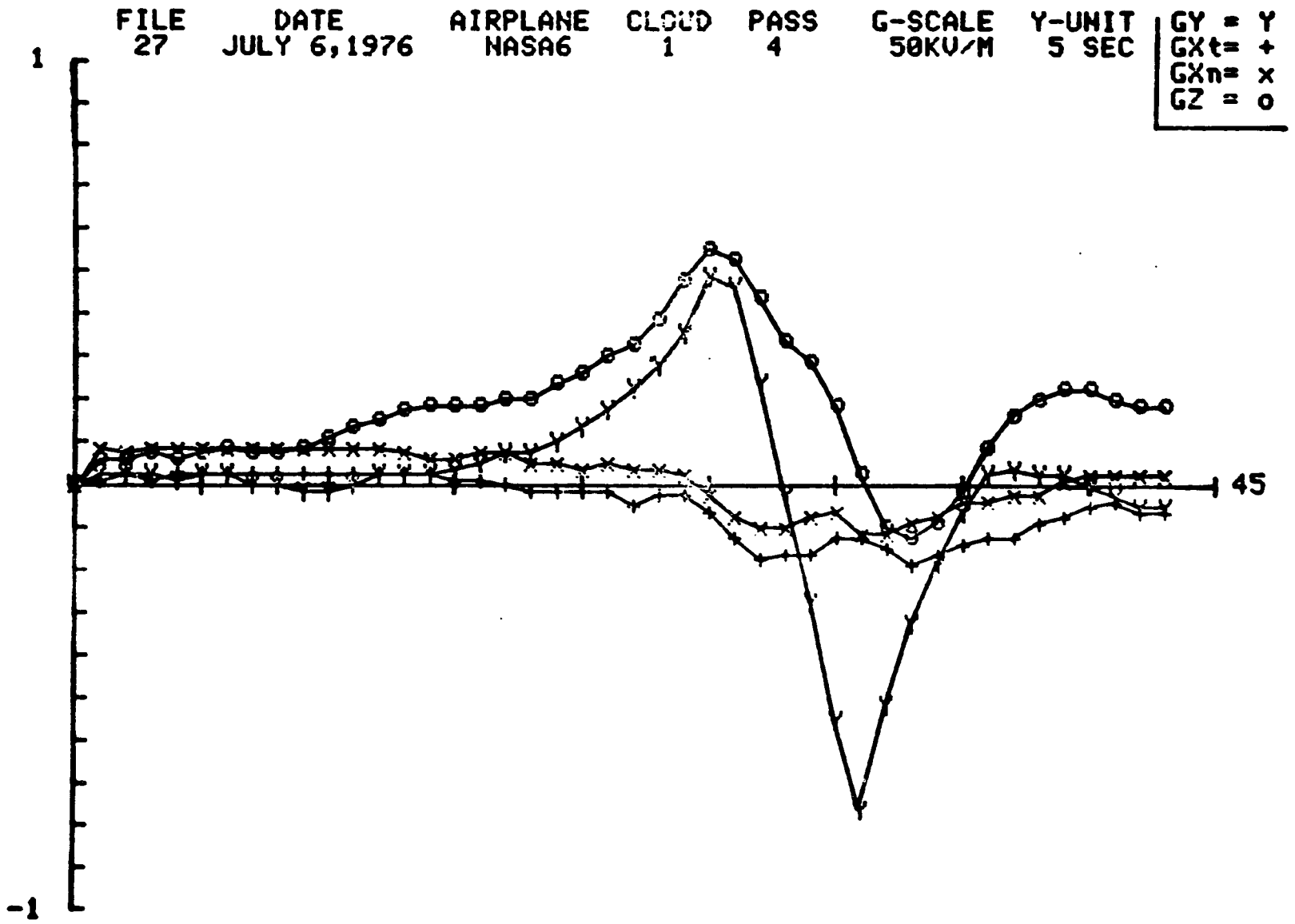

FILE
22
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
11
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

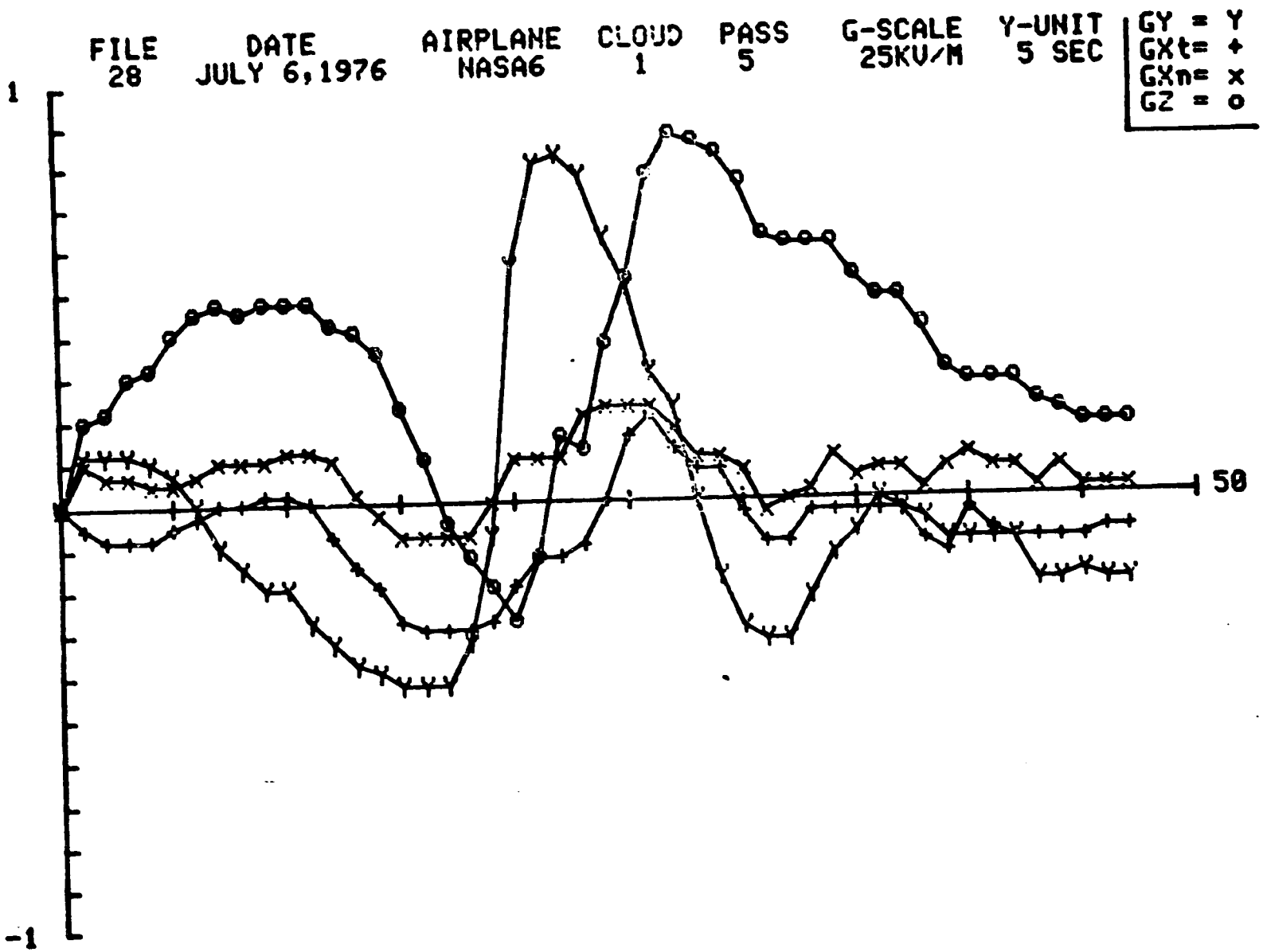

FILE
23
DATE
JULY 2,1976
AIRPLANE
NASA6
CLOUD
1
PASS
12
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
35

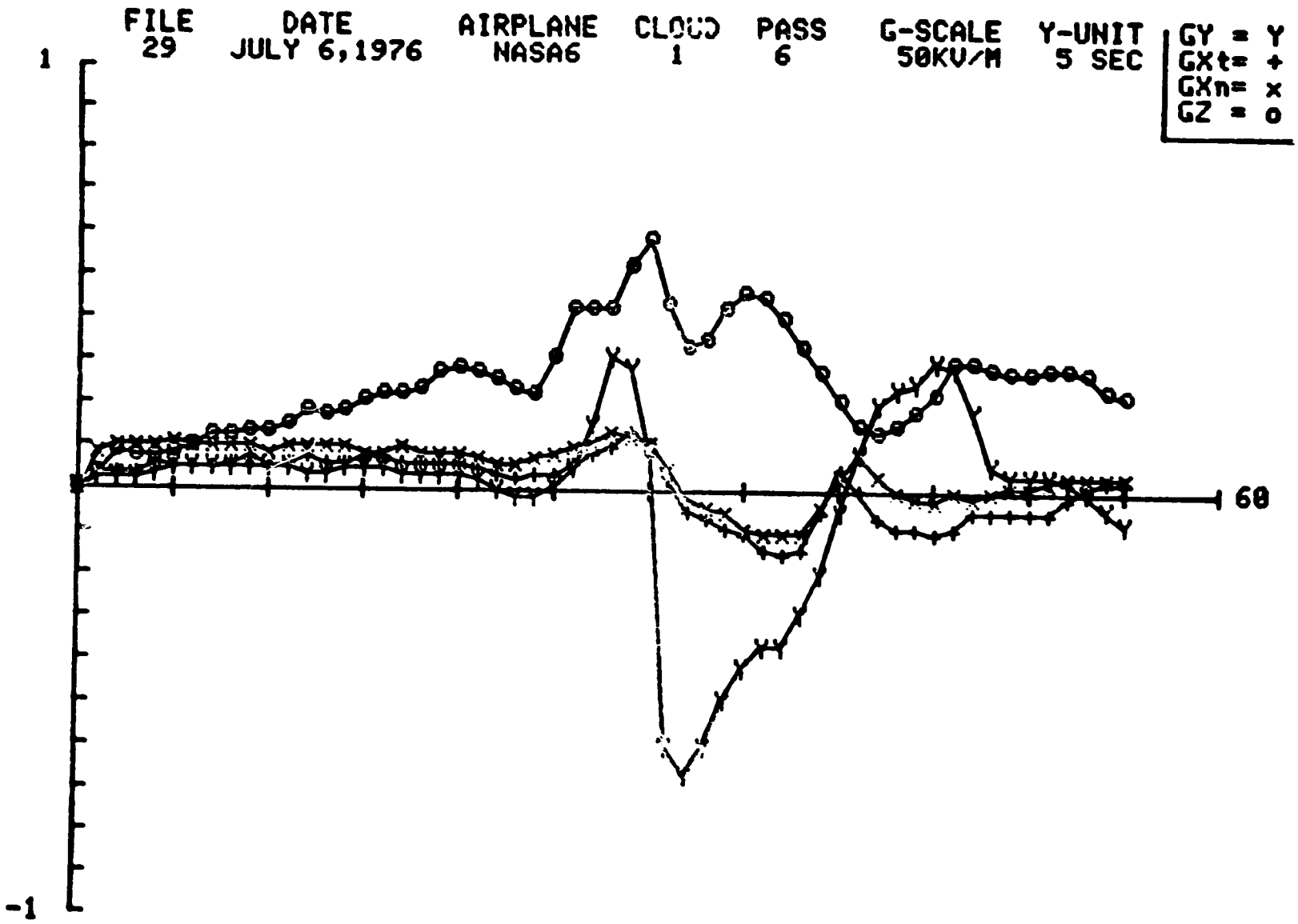

148
FILE
24
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
1
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
25

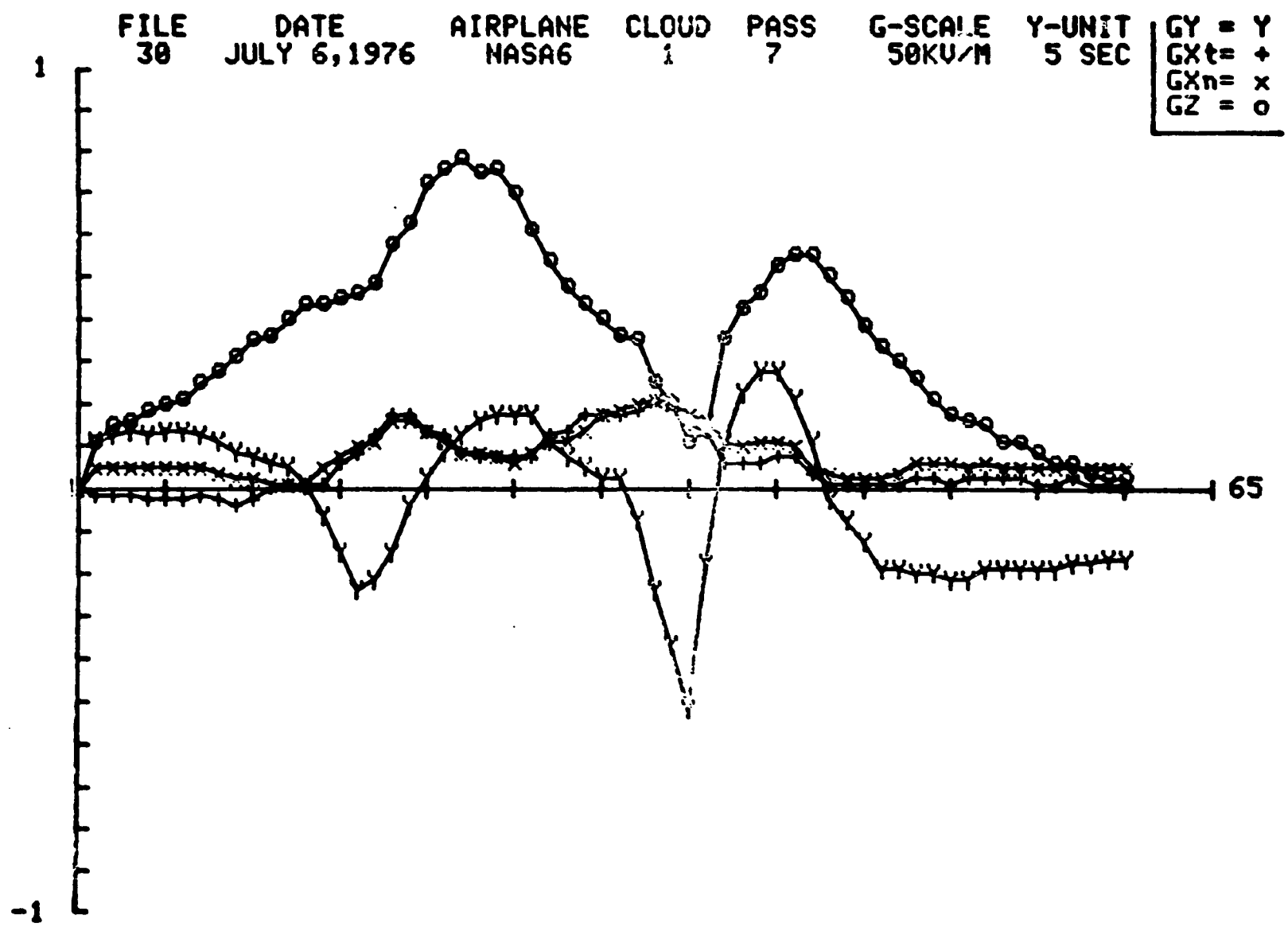

FILE
25
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
2
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55

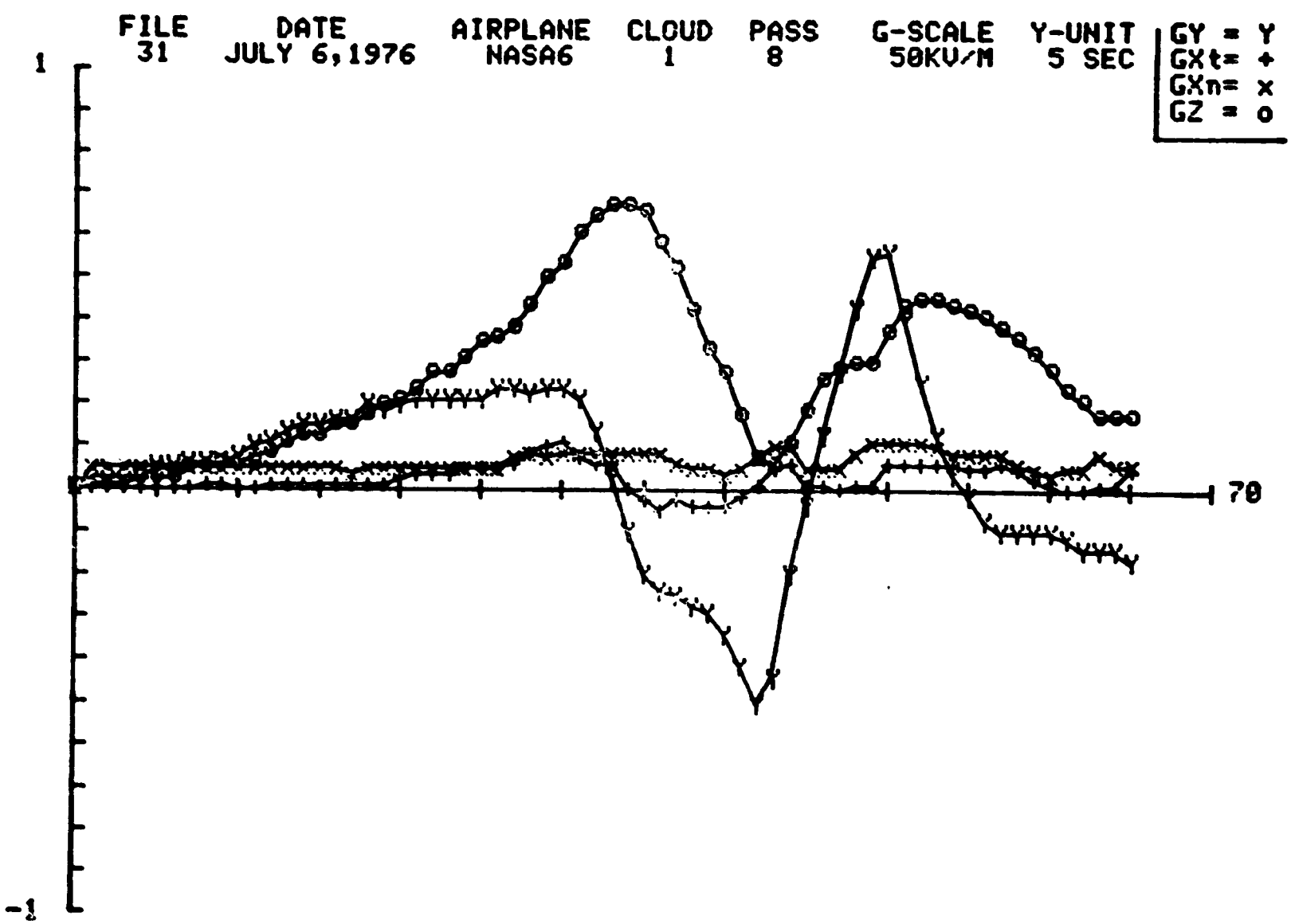

150
FILE
26
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
3
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55


FILE
27
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
4
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45


FILE
28
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
5
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
50


FILE
29
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
6
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60

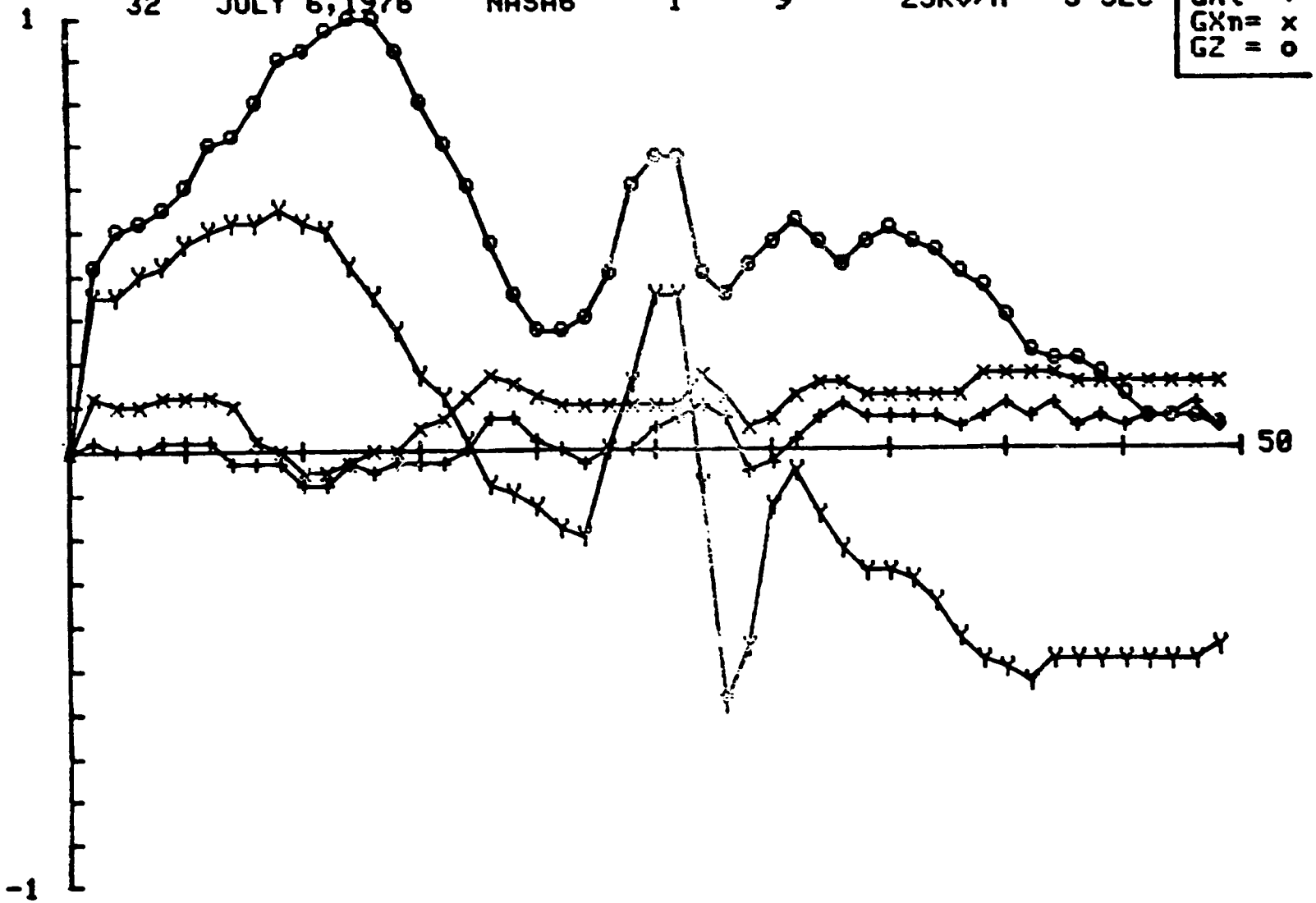

FILE
30
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
7
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

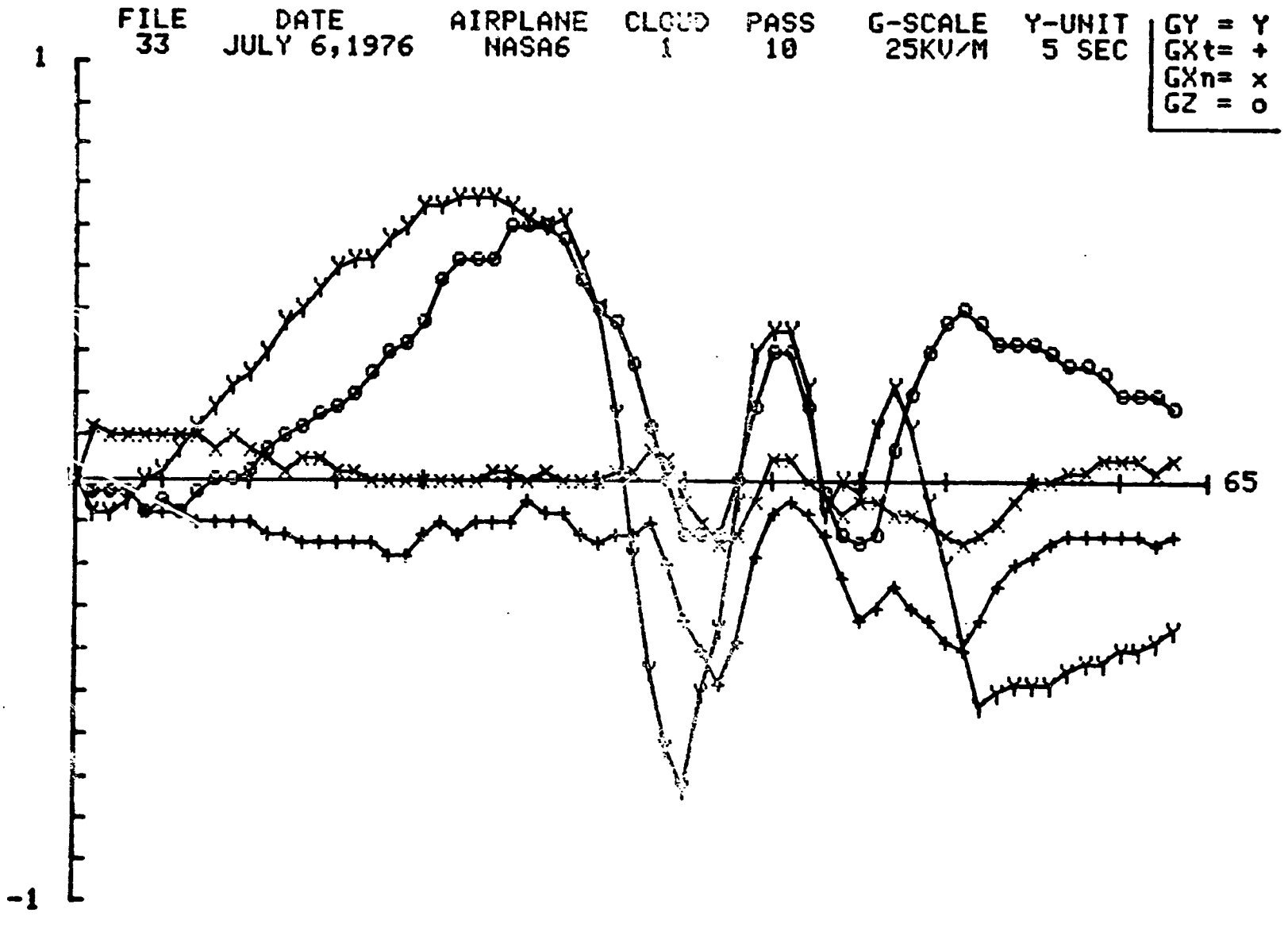

FILE
31
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
8
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

156

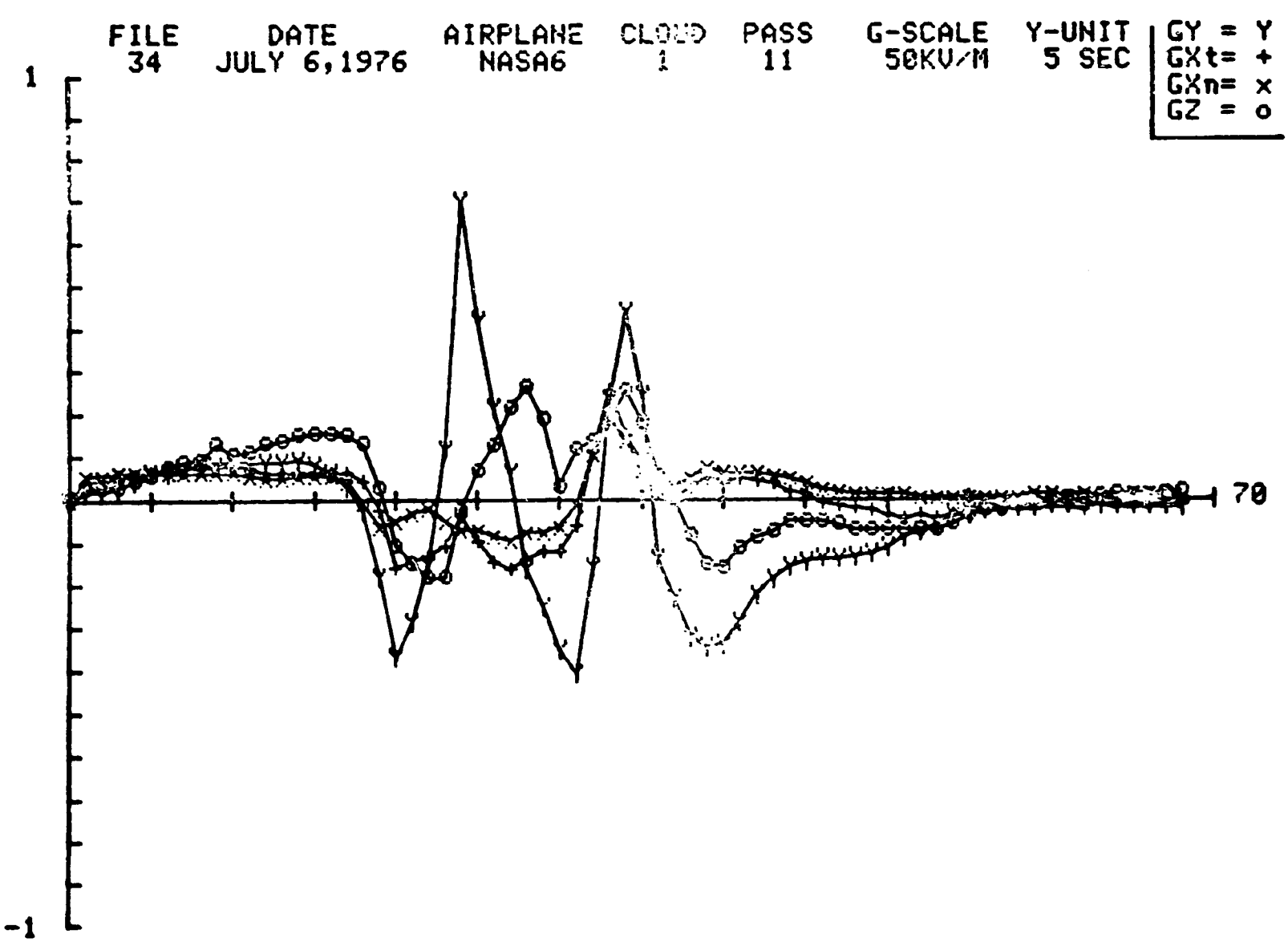
FILE	DATE	AIRPLANE	CLOUD	PASS	G-SCALE	Y-UNIT
32	JULY 6,1976	NASA6	1	9	25KV/M	5 SEC

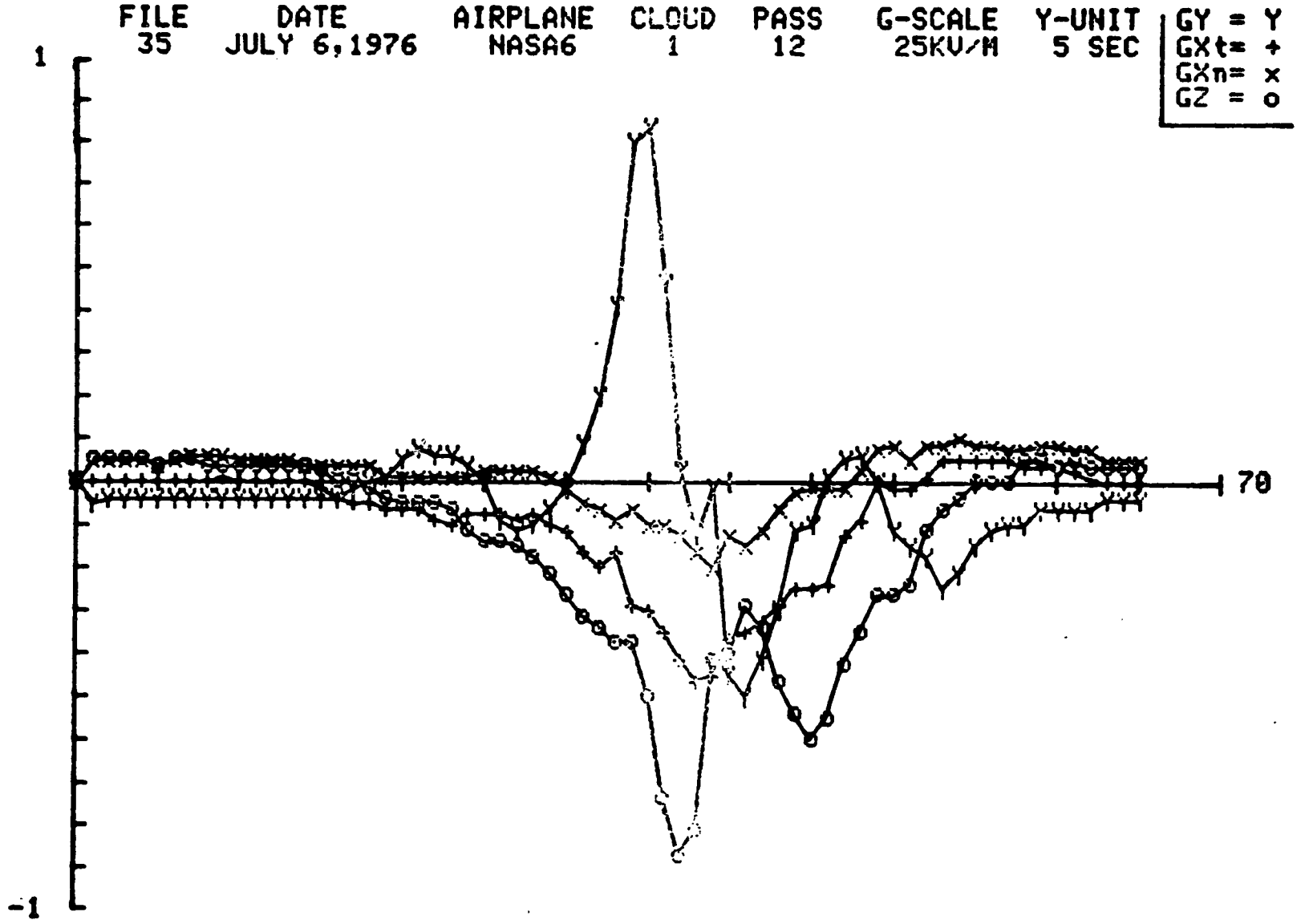
GY = Y
GXt= +
GXn= x
GZ = o

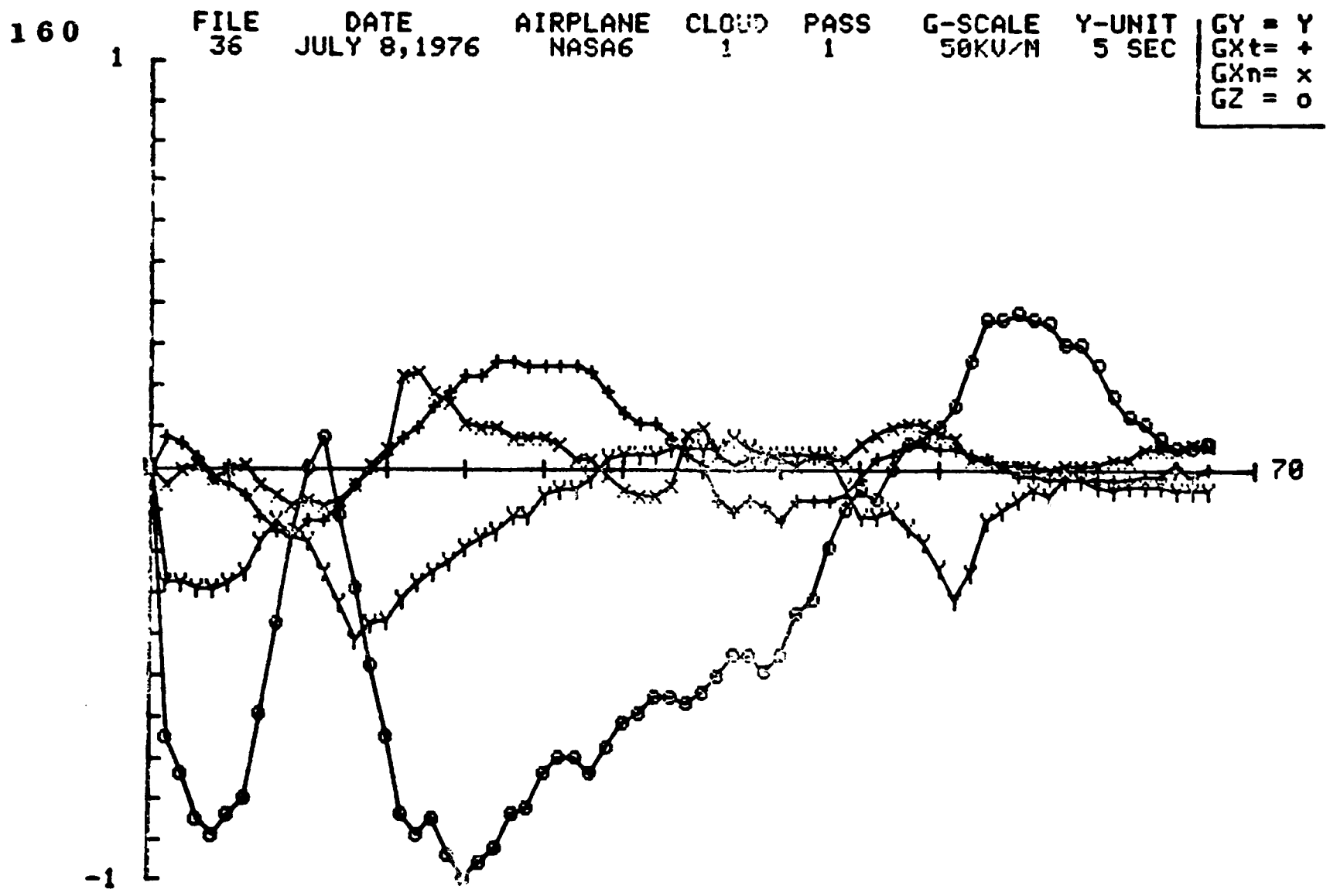


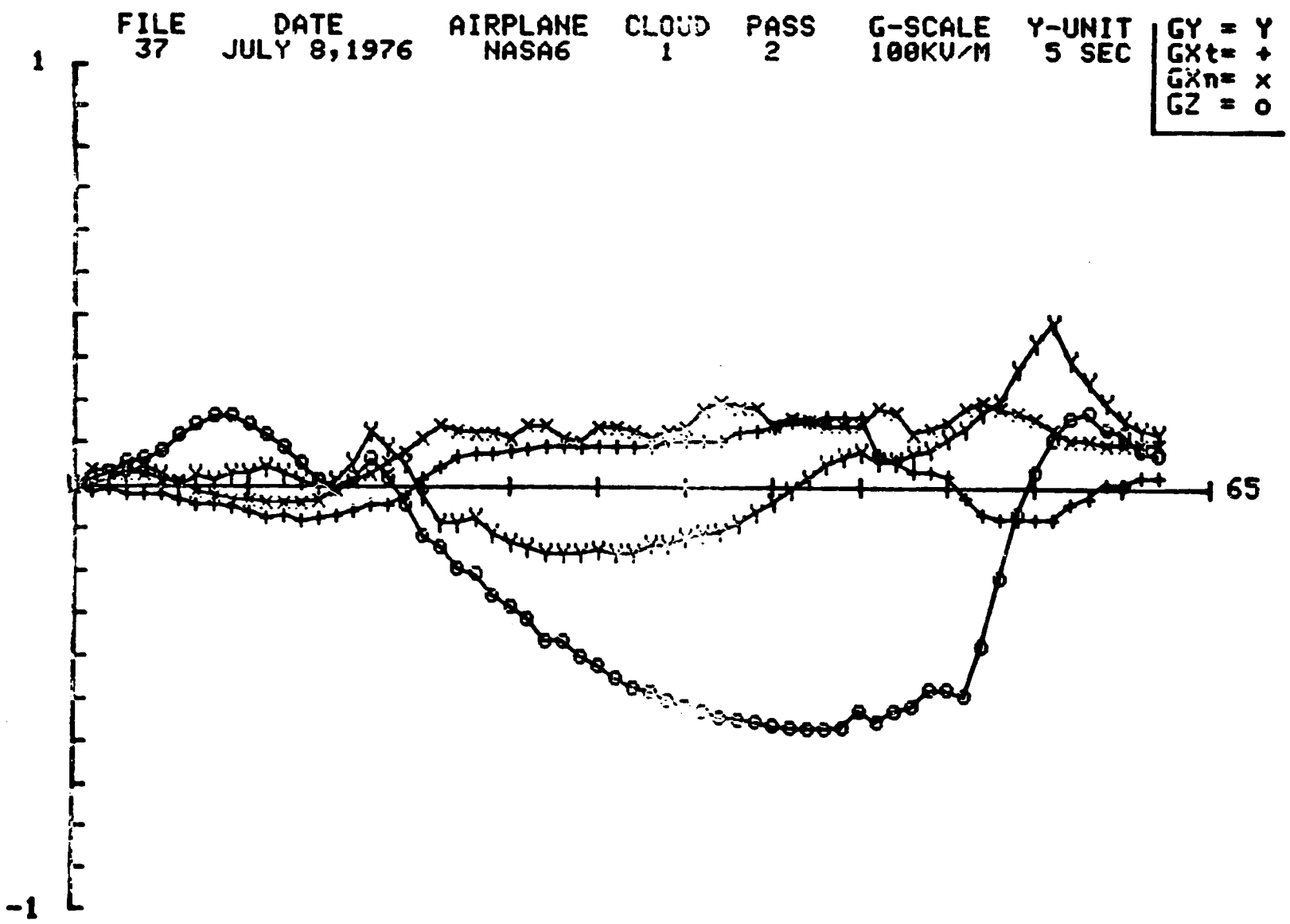

FILE
33
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
10
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65

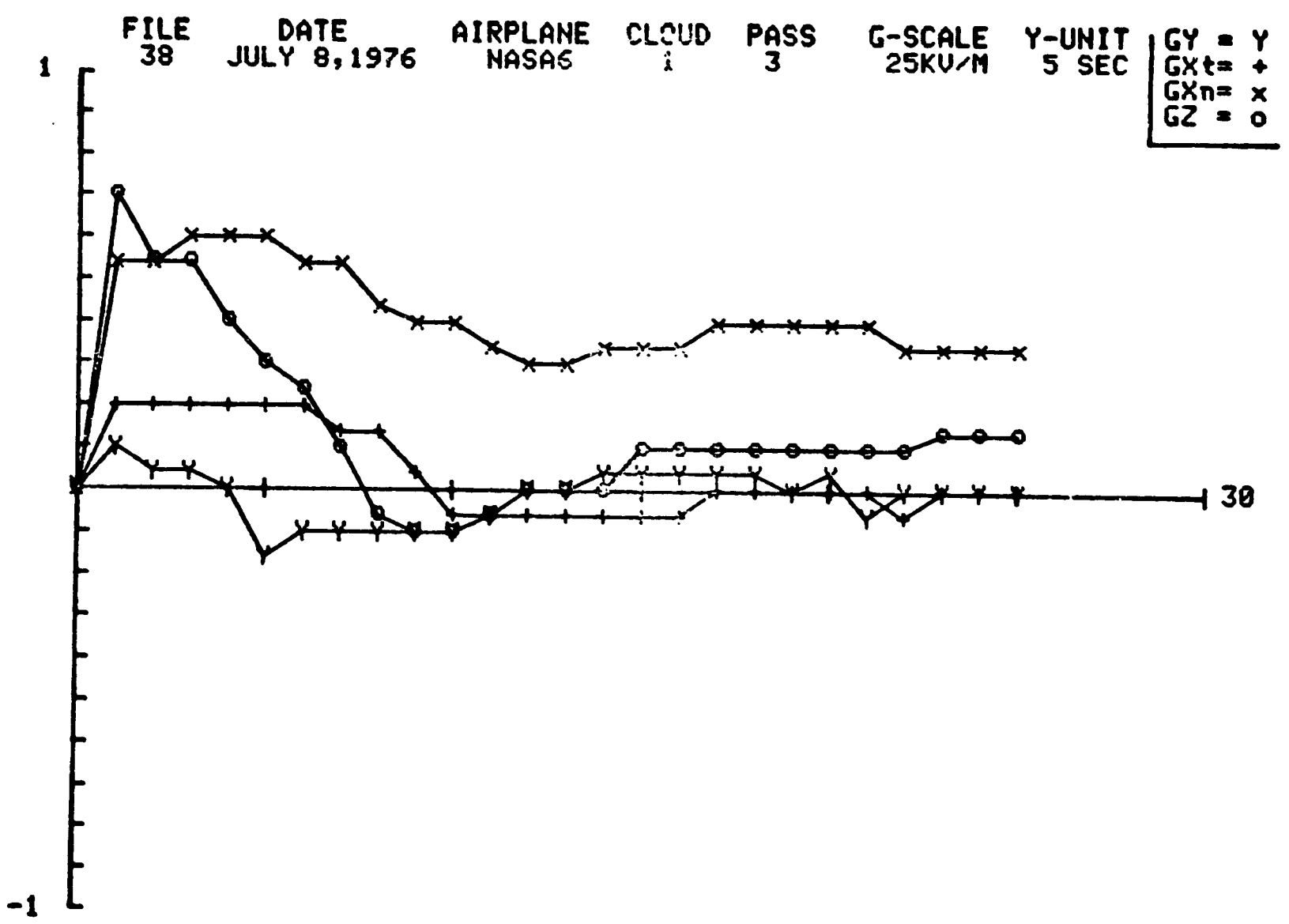
158

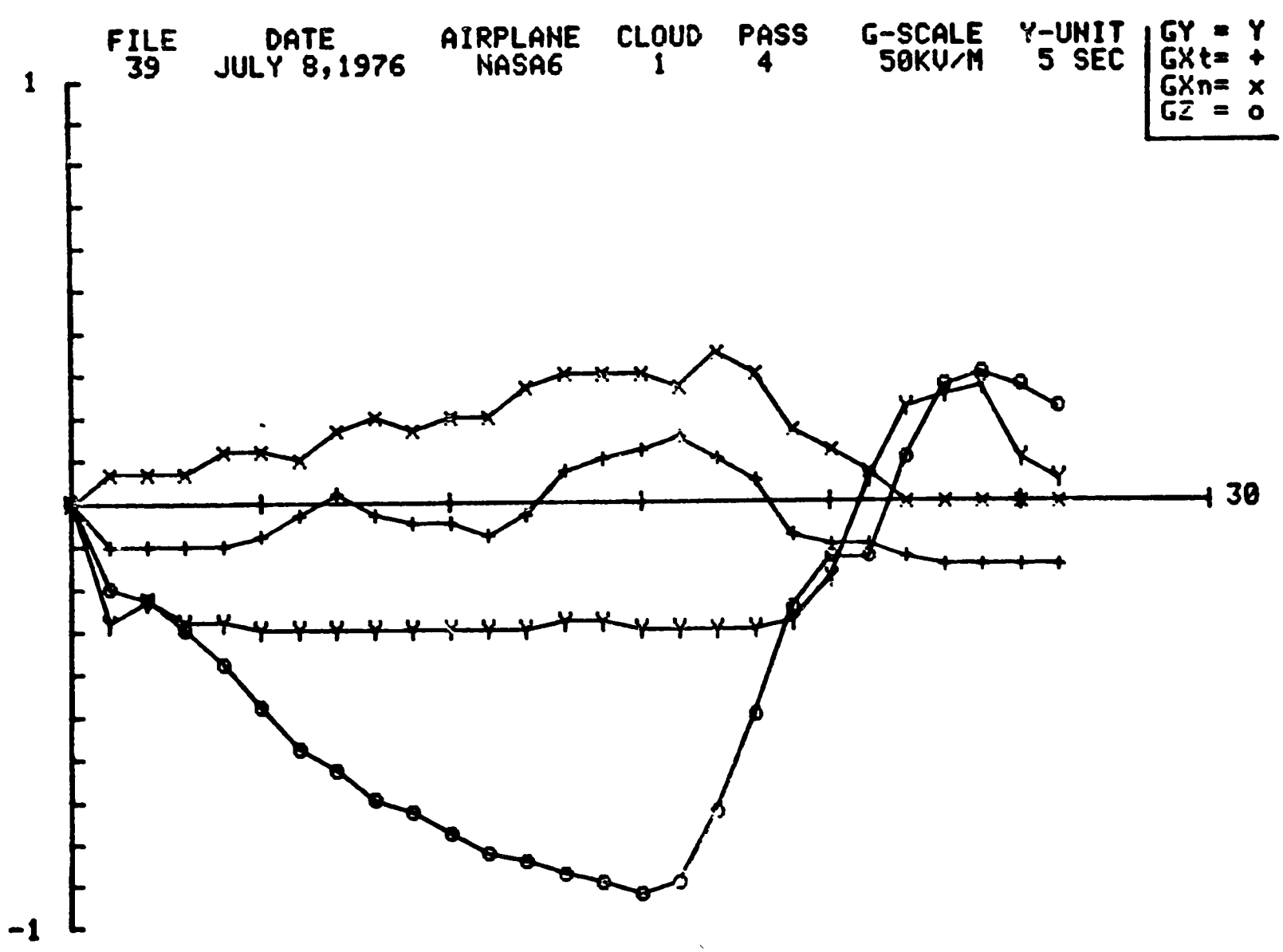

FILE
34
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
11
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

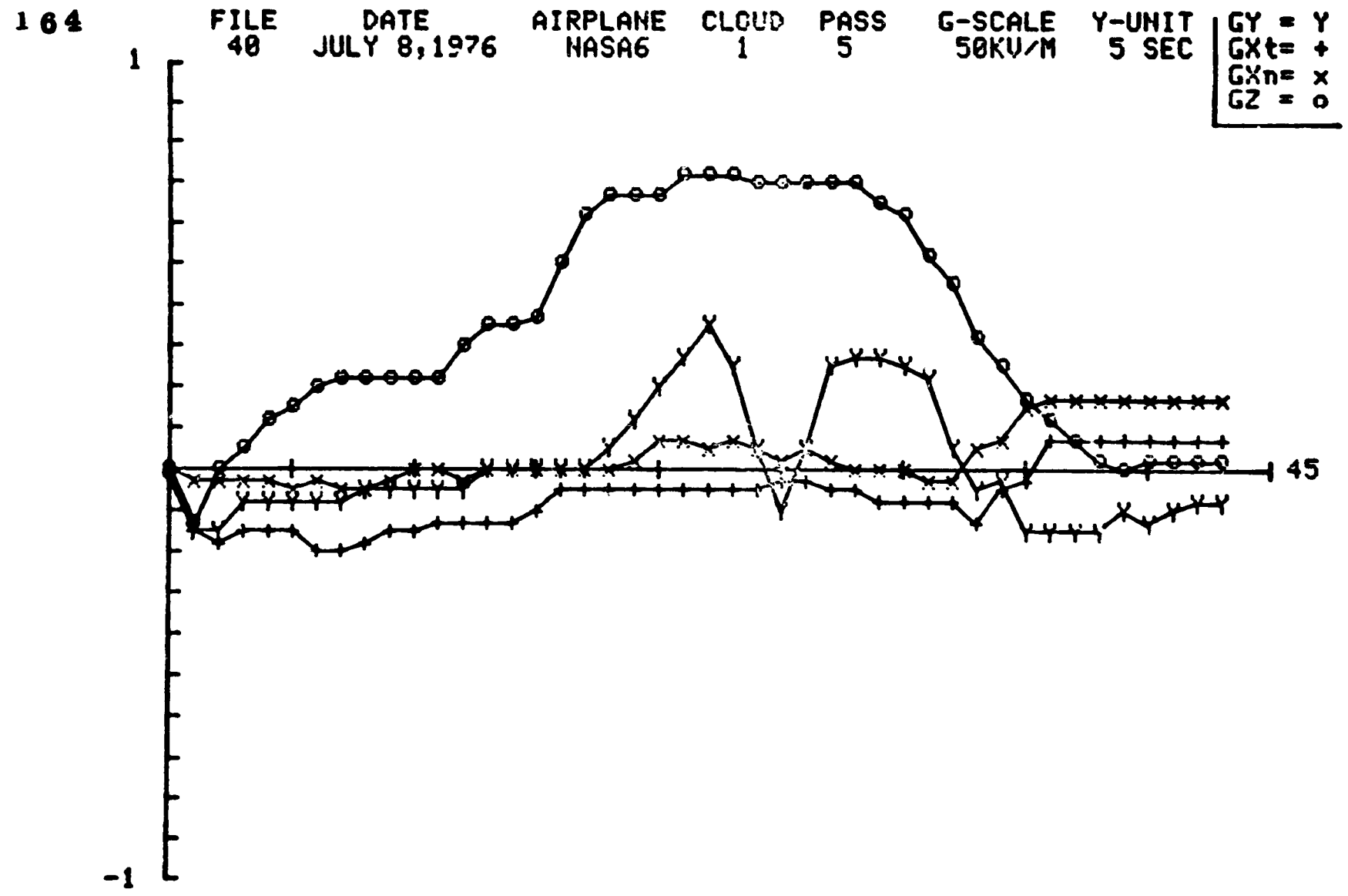

FILE
35
DATE
JULY 6,1976
AIRPLANE
NASA6
CLOUD
1
PASS
12
G-SCALE
25KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

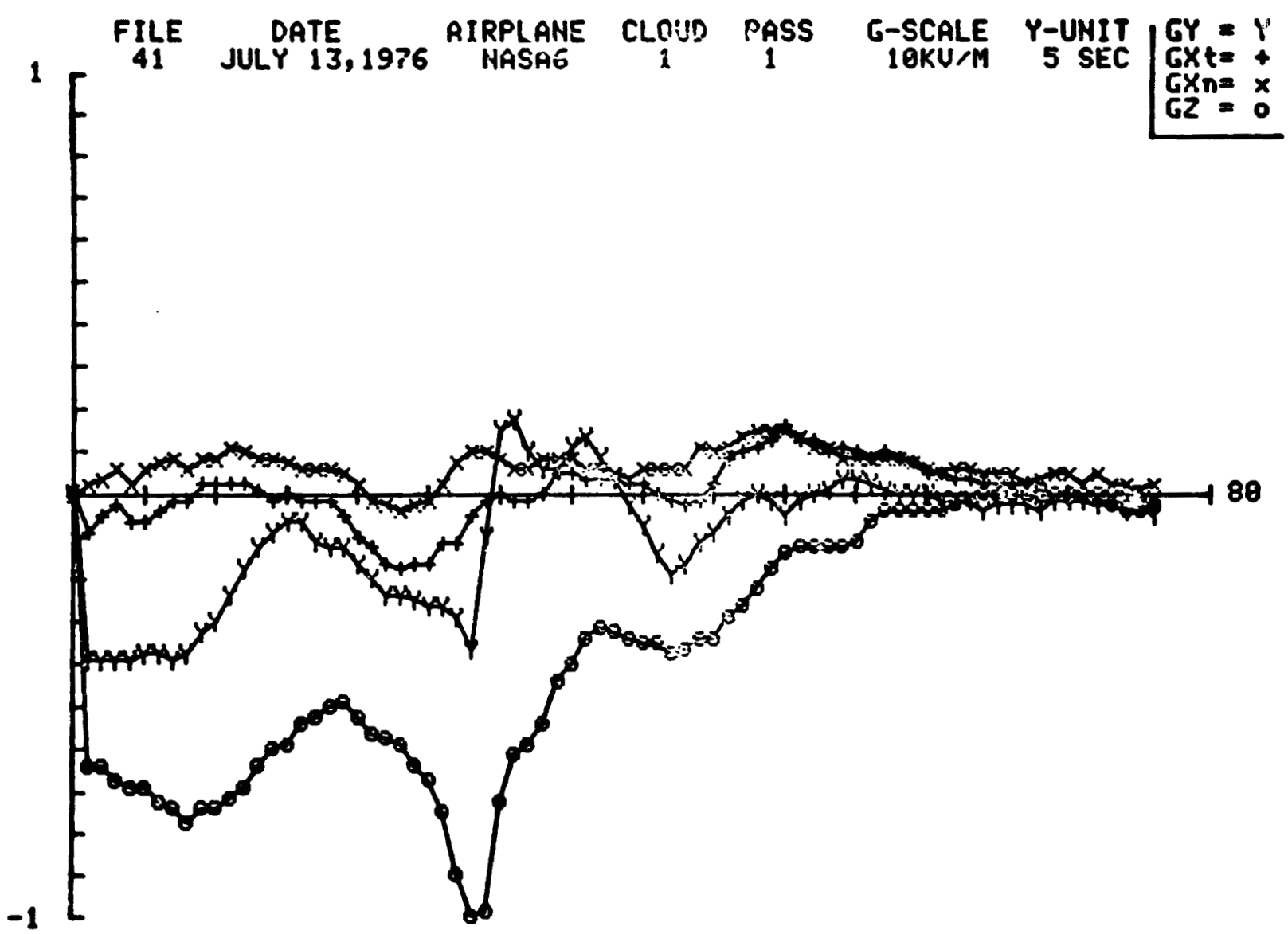

160
FILE
36
DATE
JULY 8,1976
AIRPLANE
NASA6
CLOUD
1
PASS
1
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
70

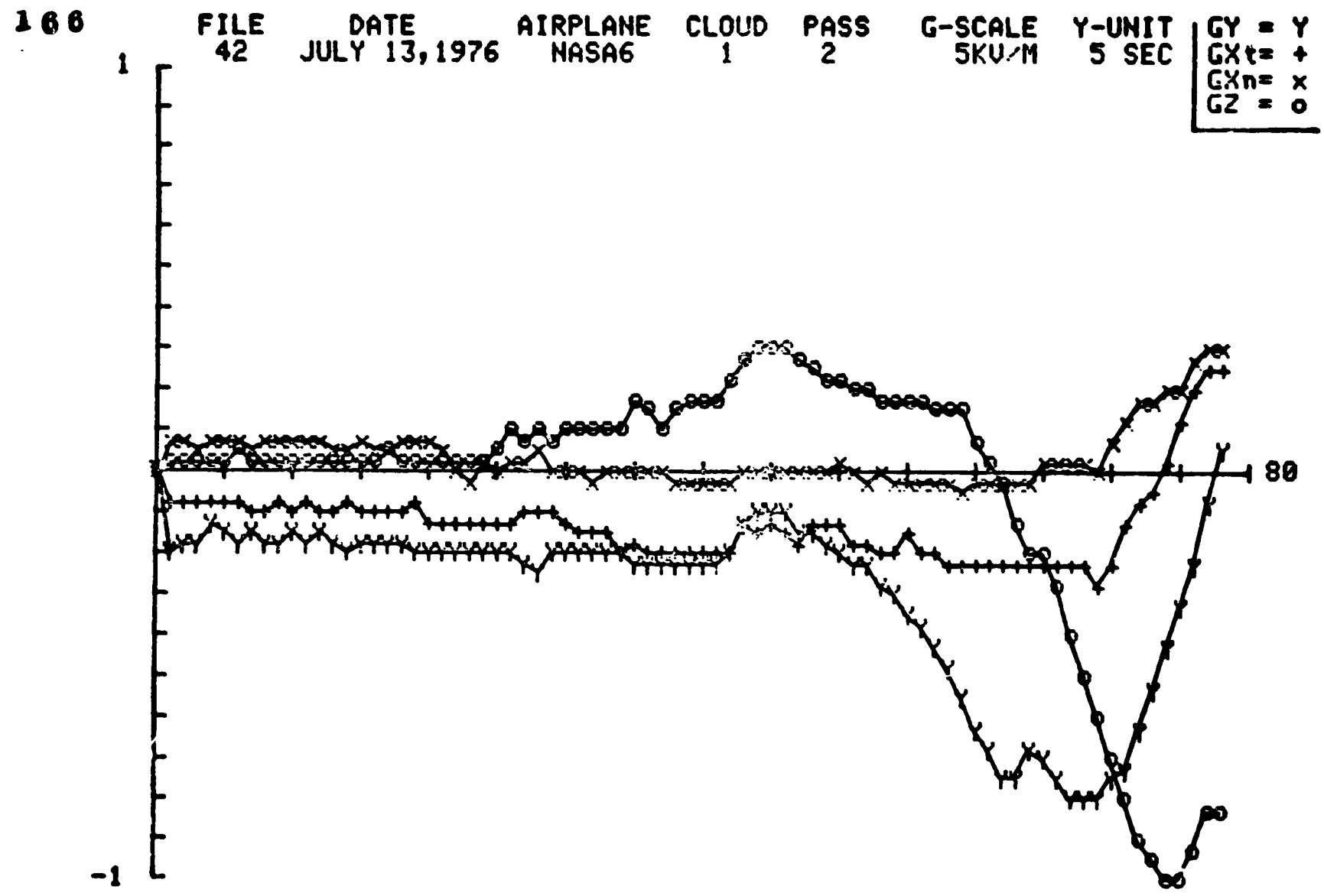

FILE
37
DATE
JULY 8,1976
AIRPLANE
NASA6
CLOUD
1
PASS
2
G-SCALE
100KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
65


FILE 38
DATE JULY 8,1976
AIRPLANE NASA6
CLOUD i
PASS 3
G-SCALE 25KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
30


FILE
39
DATE
JULY 8,1976
AIRPLANE
NASA6
CLOUD
1
PASS
4
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
30

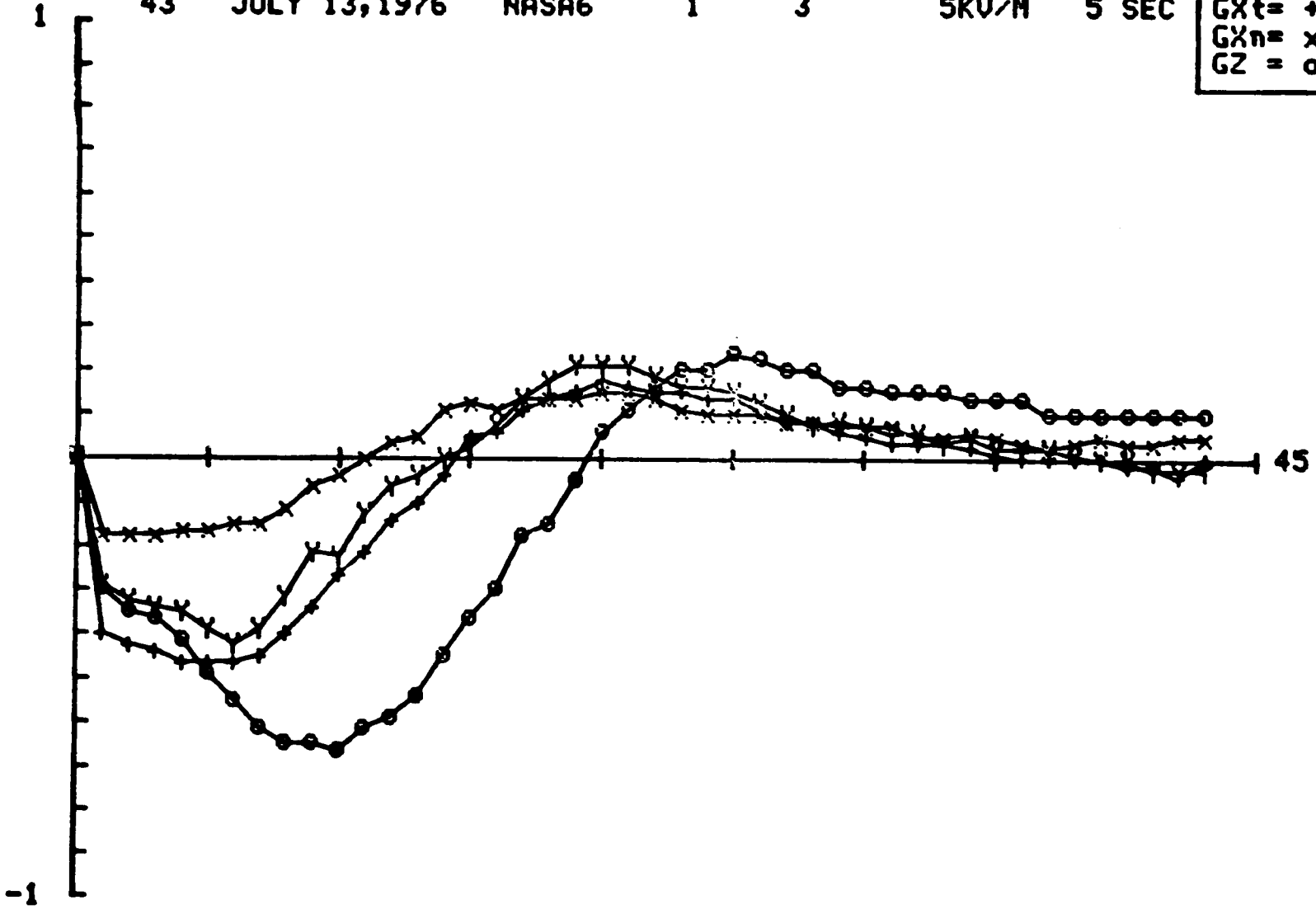

164
FILE
40
DATE
JULY 8,1976
AIRPLANE
NASA6
CLOUD
1
PASS
5
G-SCALE
50KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
45


FILE
41
DATE
JULY 13,1976
AIRPLANE
NASA6
CLOUD
1
PASS
1
G-SCALE
10KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
80

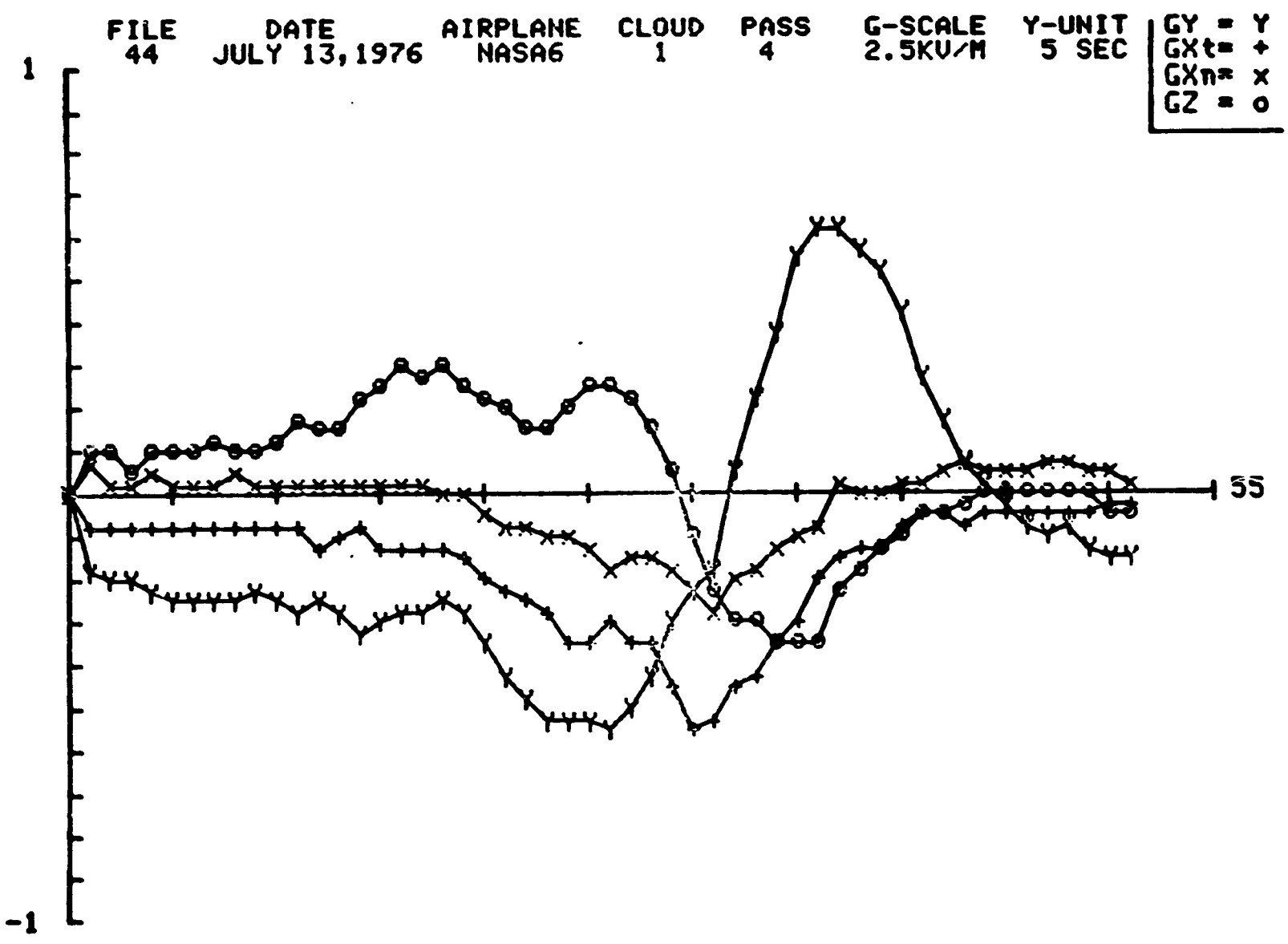

166
FILE
42
DATE
JULY 13,1976
AIRPLANE
NASA6
CLOUD
1
PASS
2
G-SCALE
5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
80

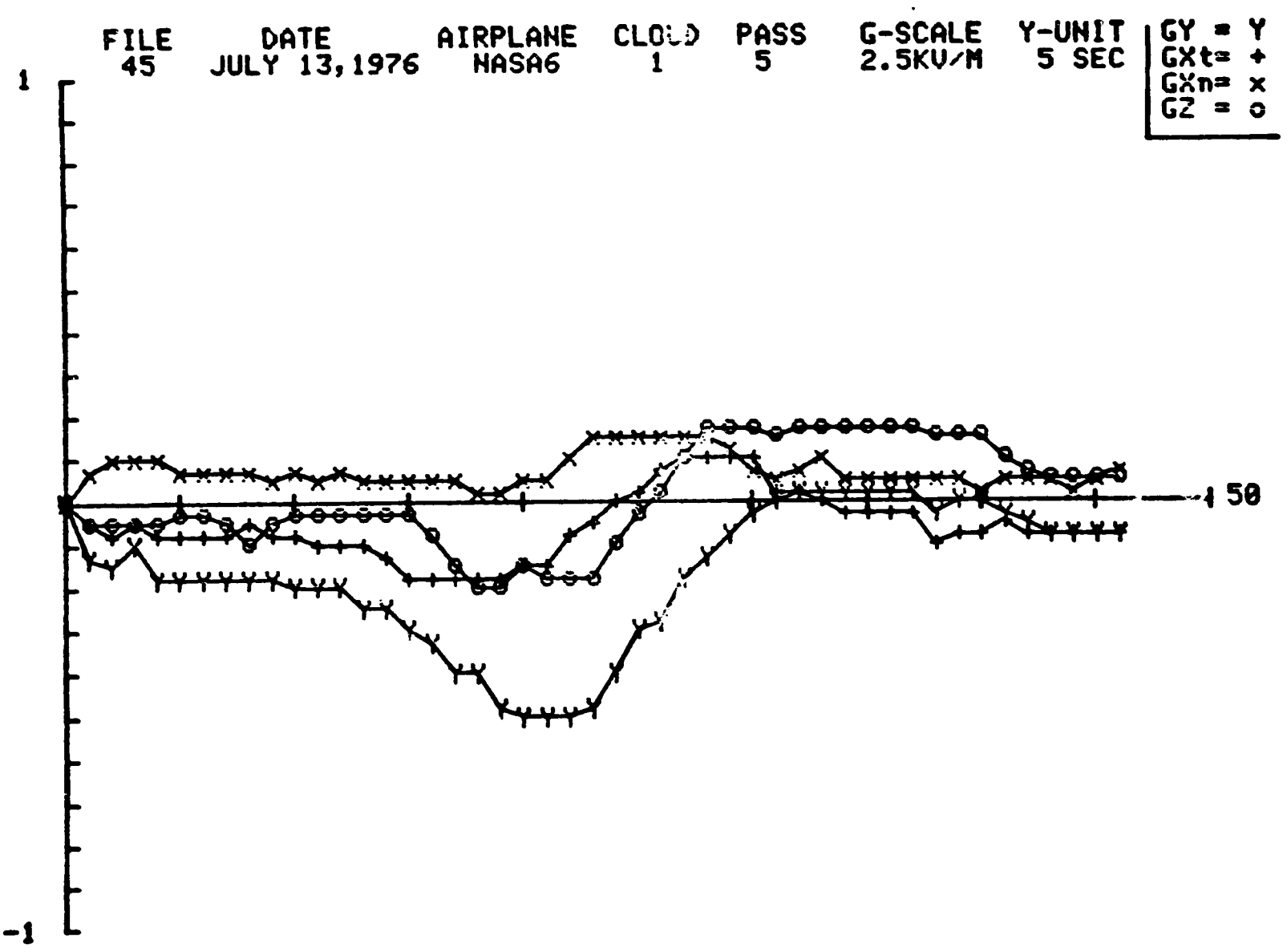
FILE	DATE	AIRPLANE	CLOUD	PASS	G-SCALE	Y-UNIT
43	JULY 13,1976	NASA6	1	3	5KV/M	5 SEC

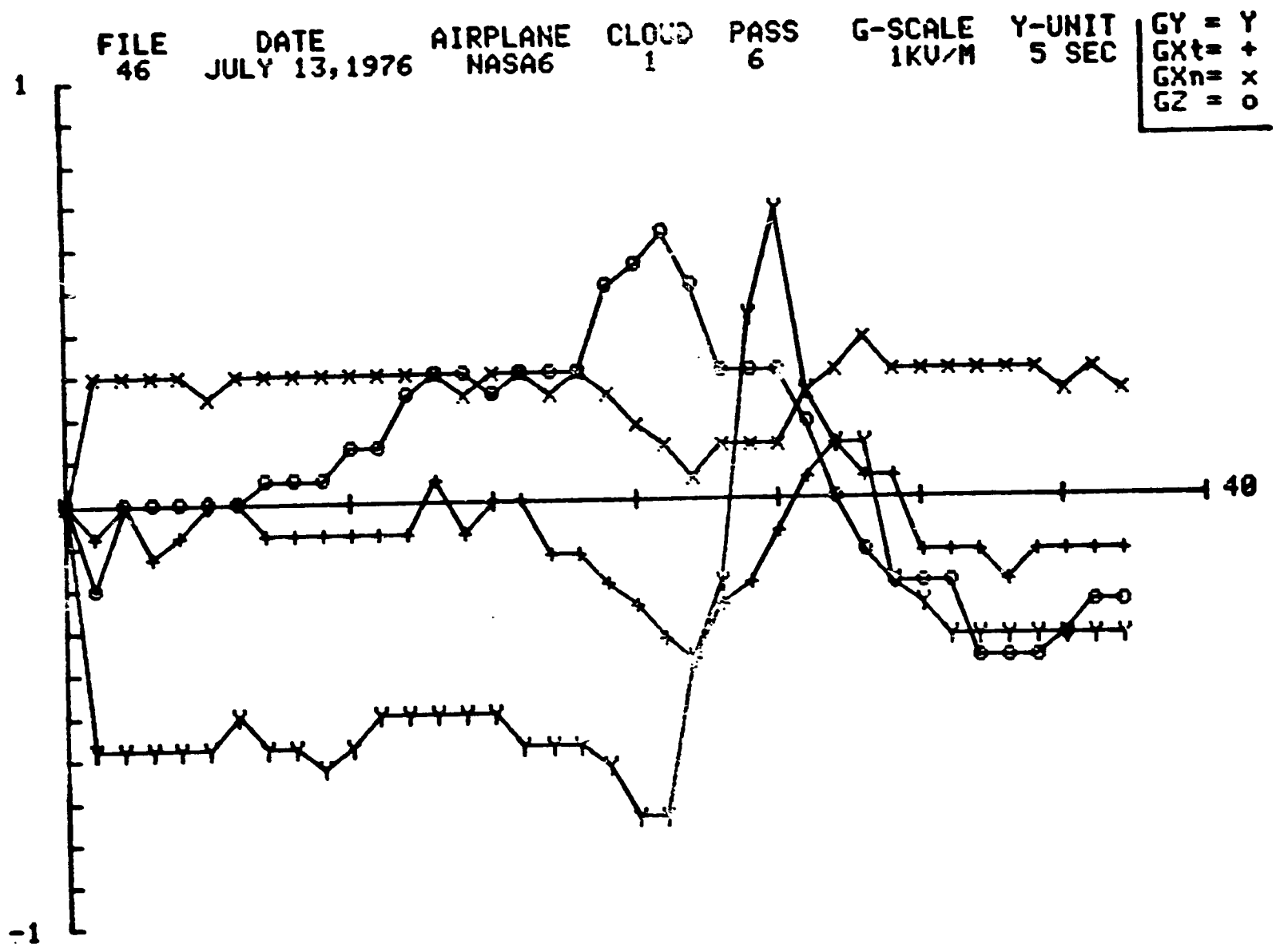
GY = Y
GXt= +
GXn= x
GZ = o

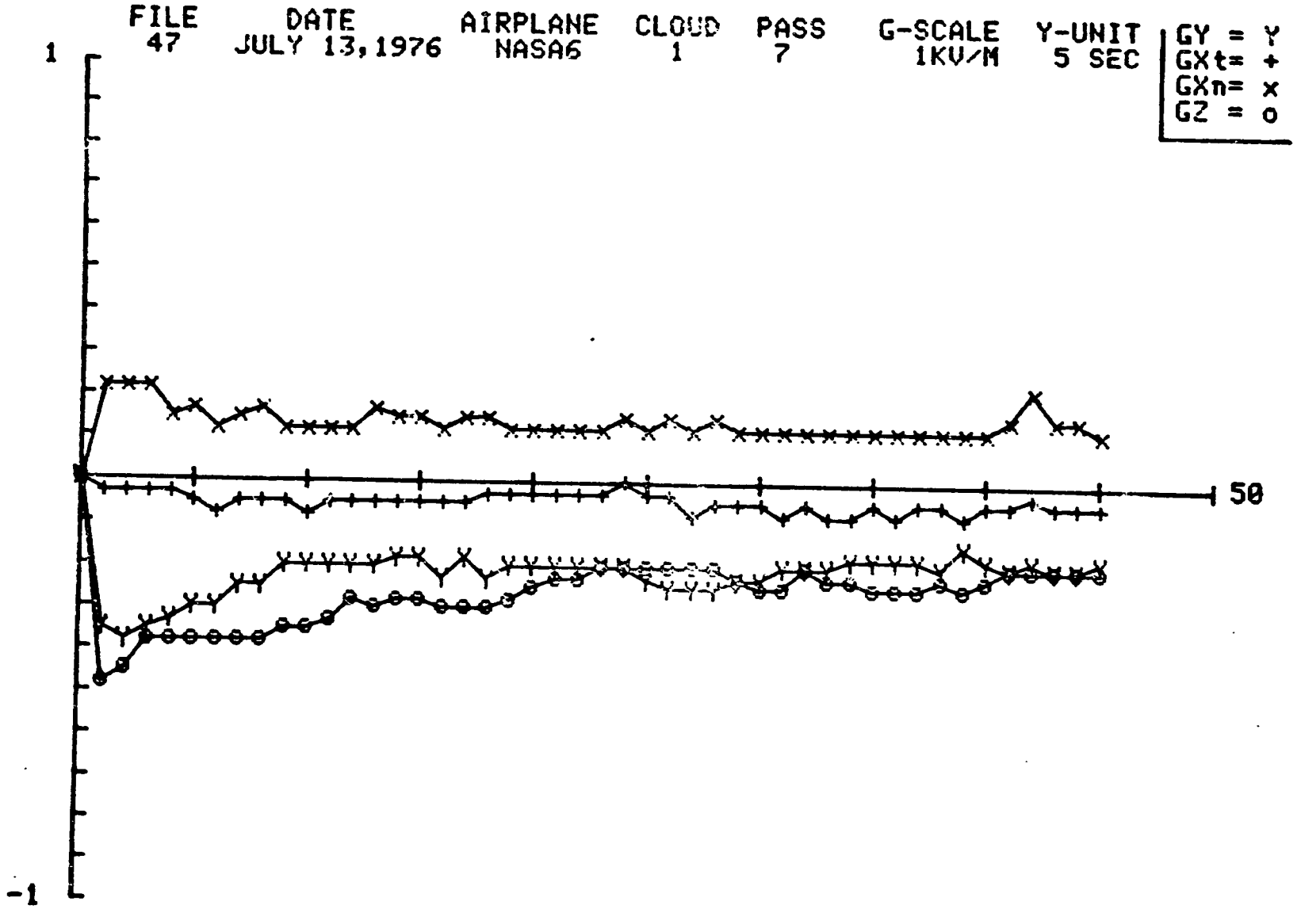


168

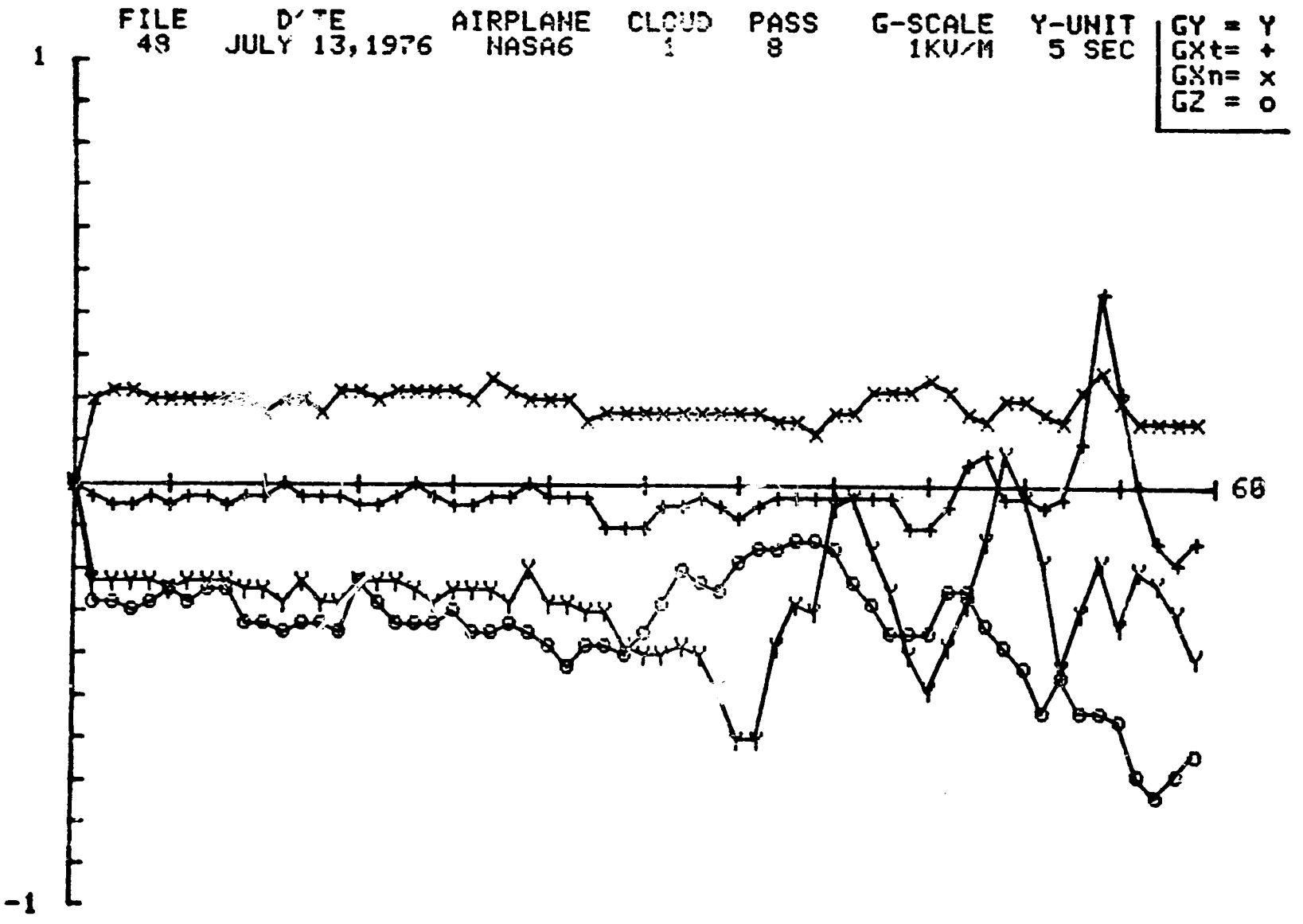

FILE 44
DATE JULY 13,1976
AIRPLANE NASA6
CLOUD 1
PASS 4
G-SCALE 2.5KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
55


FILE
45
DATE
JULY 13,1976
AIRPLANE
NASA6
CLOUD
1
PASS
5
G-SCALE
2.5KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
150


FILE
46
DATE
JULY 13, 1976
AIRPLANE
NASA6
CLOUD
1
PASS
6
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
40


FILE
47
DATE
JULY 13,1976
AIRPLANE
NASA6
CLOUD
1
PASS
7
G-SCALE
1KV/M
Y-UNIT
5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
50
-1

172


FILE 48
DATE JULY 13,1976
AIRPLANE NASA6
CLOUD 1
PASS 8
G-SCALE 1KV/M
Y-UNIT 5 SEC
GY = Y
GXt= +
GXn= x
GZ = o
1
-1
60