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DATA REPORT FOR APOLLO MODEL FS-1 APEX-FORWARD TRIM POINT INVESTIGATION (JPL 20-536) (U)

NAS9-150

8 January 1963

4.5.5.1

Prepared by

Apollo Engineering
Aerodynamics Section

[redacted]

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NORTH AMERICAN AVIATION, INC.
SPACE and INFORMATION SYSTEMS DIVISION

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FORM M158-D-4 LEDGER REV. 2-61

[redacted]

FOREWORD

The FS-1 apex-forward trim point investigation was conducted under NASA Apollo contract NAS9-150.

This report was prepared by G. G. Davis of the Wind Tunnel Test Group, Space and Information Systems Division of North American Aviation, Inc.

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ABSTRACT

Various external aerodynamic devices on the command module designed to eliminate an undesirable trim condition were tested in the Jet Propulsion Laboratory's 20-inch supersonic wind tunnel at Mach numbers of 0.70, 1.65, and 5.01 using a 0.02-scale Apollo force model (FS-1). The model configurations and installation are described, and the operating conditions and instrumentation are specified. Standard force and moment coefficients are presented in both tabular and plotted form.

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I. INTRODUCTION

The Apollo force model FS-1 tests were conducted in the Jet Propulsion Laboratory's 20-inch supersonic wind tunnel 7 November to 13 November 1962.

Early wind tunnel test results indicated a strong secondary trim point occurring in the apex-forward command module attitude. The objective of this test was to determine the effectiveness of several aerodynamic devices designed to eliminate this undesirable trim condition in the 50- to 80- degree angle-of-attack region. A series of command module configurations employing these aerodynamic devices for increasing the vehicle pitching moment about its center of gravity was investigated for static stability at Mach numbers 0.70, 1.65, and 5.01. A total of 658 acceptable data points were taken at these Mach numbers.

Basic wind tunnel test data only are presented to make the test results available at the earliest possible date. Analyses and summary of results will be reported in a separate document.

Additional information concerning these tests can be found in the pretest report.[1]

[1] Pretest Report for a 0.02-Scale Apollo Force Model (FS-1) in the JPL Wind Tunnels. NAA/S&ID SID 62-246 (12 February 1962).

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II. MODEL DESCRIPTION

Four 0.02-scale command module models were used in these tests to obtain an angle-of-attack range from 0 to 168 degrees. The models were identical except for the angle between the model axis of symmetry and the centerline of the balance cavity. The basic command module configuration is shown in Figure 1.

Model 1, which has a sting cavity axis location at 0 degrees with respect to the command module centerline, covered the angle-of-attack range from 0 to 25 degrees. Model 2, with the sting cavity axis at 40 degrees with respect to the centerline, covered the angle-of-attack range from 22 to 68 degrees. Model 3, with the sting cavity axis at 80 degrees to the command module centerline, covered the angle-of-attack range from 65 to 108 degrees. Model 4, with the sting cavity axis at 140 degrees with respect to the command module centerline, covered the 122 to 168 degrees angle-of-attack range.

The models were modified to permit testing the following aerodynamic devices: flat plate located on the apex (Figure 2), spoilers located on the heat shield (Figures 3 and 4), strakes (Figure 5), tapered strakes (Figures 6 and 7), and combination flat plate and tapered strakes (Figure 8).

The models were designed and fabricated by North American Aviation, Inc. Parts and pertinent detail drawings for the command module are presented in the following listing.

Symbol	NAA Drawing Number	Part Number
C_2	7121-1053	-3, -4, -7, -9, -11
C_2F_7	7121-1114	-2, -4, -5
C_2F_8	7121-1114	-14
C_2F_9	7121-1114	-3, -15
C_2L_7	7121-1114	-6, -9
C_2L_8	7121-1114	-7, -10

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Symbol	NAA Drawing Number	Part Number
C_2L_9	7121-1114	-8, -11
C_2L_{11}	7121-1114	-12
C_2L_3	7121-1114	-6, -12
$C_2F_7L_{11}$	7121-1114	-2, -4, -5, -6, -12

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III. INSTRUMENTATION AND OPERATING CONDITIONS

FORCE MEASUREMENT

Six-component force and moment data were measured with the JPL SGB 6-5 balance without the water jacket. The balance was mounted on the Hughes 9-degree offset remote roll head (Figure 9). By rolling the model, two angle-of-attack ranges were essentially obtained for each model with this arrangement.

PRESSURE MEASUREMENT

Pressure measurements were taken at the end of the sting closest to the base of the model to assist in the correlation of data from one sting angle (θ) to data of another sting angle for the same angle of attack. No corrections were made to force and moment data presented in this report.

FLOW VISUALIZATION

Installation photographs were taken for typical configurations (Figures 10 to 14), and Schlieren photographs (Figures 15 to 24) were taken at approximately 15 degrees throughout the angle-of-attack range for each configuration and Mach number. Motion pictures were taken of the flow conditions at Mach number 0.70 and α = 65 to 75 degrees for configurations C_2 and C_2F_8.

FLOW CONDITIONS

Nominal flow conditions are presented in the following listing:

Mach Number	Reynolds No. x 10^{-6} (Based on Command Module Diameter)
0.70	1.17
1.65	0.942
5.01	0.77

Actual conditions are listed in the tabulated data in Appendix B.

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IV. TEST PROGRAM

A summary of the runs completed are presented in the following tabulation:

Model Configuration	Mach Number 0.70	Mach Number 1.65	Mach Number 5.01	θ (Degrees)	ϕ_B (Degrees)	α Range (Degrees)
C_2	2			0	0	0 to 25
	3, 156			40	180	22 to 40
	4, 157			40	0	40 to 68
	147, 148			80	180	65 to 80
	149			80	0	80 to 108
	152			140	180	122 to 140
	153			140	0	140 to 168
$C_2 F_7$		49	131	0	0	0 to 25
		50	132	40	180	22 to 40
		51	133	40	0	40 to 68
		61, 62	134	80	180	65 to 80
		63	135	80	0	80 to 108
		47	129	140	180	122 to 140
		48	130	140	0	140 to 168
$C_2 F_8$		18, 19	73	0	0	0 to 25
	158	20	74	40	180	22 to 40
	159	21	75	40	0	40 to 68
	150	22	76	80	180	65 to 80
	151	23	77	80	0	80 to 108
	154	64	78	140	180	122 to 140
	155	65	79	140	0	140 to 168
$C_2 F_9$			138	140	180	122 to 140
			136	140	0	140 to 168
$C_2 L_7$		26	80	0	0	0 to 25
		27	81	40	180	22 to 40
		28	82	40	0	40 to 68

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Model Configuration	Mach Number 0.70	Mach Number 1.65	Mach Number 5.01	θ (Degrees)	ϕ_B (Degrees)	α Range (Degrees)
		29	83	80	180	65 to 80
		30	84	80	0	80 to 108
		31	85	140	180	122 to 140
		32	86	140	0	140 to 168
$C_2 L_8$			144	80	180	52 to 80
			145	80	0	80 to 108
$C_2 L_9$			139	40	0	40 to 68
			142	80	180	65 to 80
			143	80	0	80 to 108
			140	140	180	122 to 140
			141	140	0	140 to 168
$C_2 L_{11}$		33	89	0	0	0 to 25
		34	117, 118	40	180	22 to 40
		35	119	40	0	40 to 68
		36	120	80	180	65 to 80
		37	121	80	0	80 to 108
		38	87	140	180	122 to 140
		39	88	140	0	140 to 168
$C_2 L_{13}$		42	122	0	0	0 to 25
		43	123	40	180	22 to 40
		44	124	40	0	40 to 68
		45	125	80	180	65 to 80
		46	126	80	0	80 to 108
		40	127	140	180	122 to 140
		41	128	140	0	140 to 168
$C_2 F_7 L_{11}$		68		0	0	0 to 25
		69		40	180	22 to 40
		70		40	0	40 to 68
		71		80	180	65 to 80
		72		80	0	80 to 108
		67		140	180	122 to 140
		66		140	0	140 to 168

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DATA REDUCTION CONSTANTS

The following data reduction constants were used in reducing the force and moment data to coefficient form.

Reference area, $S = 7.4506$ in.^{2}

Reference length, $d = 3.08$ in.

Reference center of gravity location: $\frac{\bar{x}}{d} = 0.68564$, $\frac{\bar{z}}{d} = 0.059$

$\bar{x} = 2.112$ inches aft of command module apex along the axis of symmetry

$\bar{z} = 0.182$ inches below axis of symmetry

NOMENCLATURE

α	Angle of attack of model axis of symmetry (zero when apex is forward), degrees
θ	Angle between balance axis and model axis of symmetry, degrees
ϕ	Model radial location looking upsteam (0 degrees is on top center line, rotating clock-wise), degrees
ϕ_B	Sting roll angle, degrees
M	Mach number
C_N	Normal force coefficient
C_A	Axial force coefficient
$C_{m_{cg}}$	Pitching moment about the center of gravity
C_{m_A}	Pitching moment coefficient about the apex
C_Y	Side force coefficient
C_n	Yawing moment coefficient
C_L	Lift coefficient

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C_D	Drag coefficient
$X_{CP/d}$	Center of pressure measured from apex along the axis of symmetry
P_b	Base pressure

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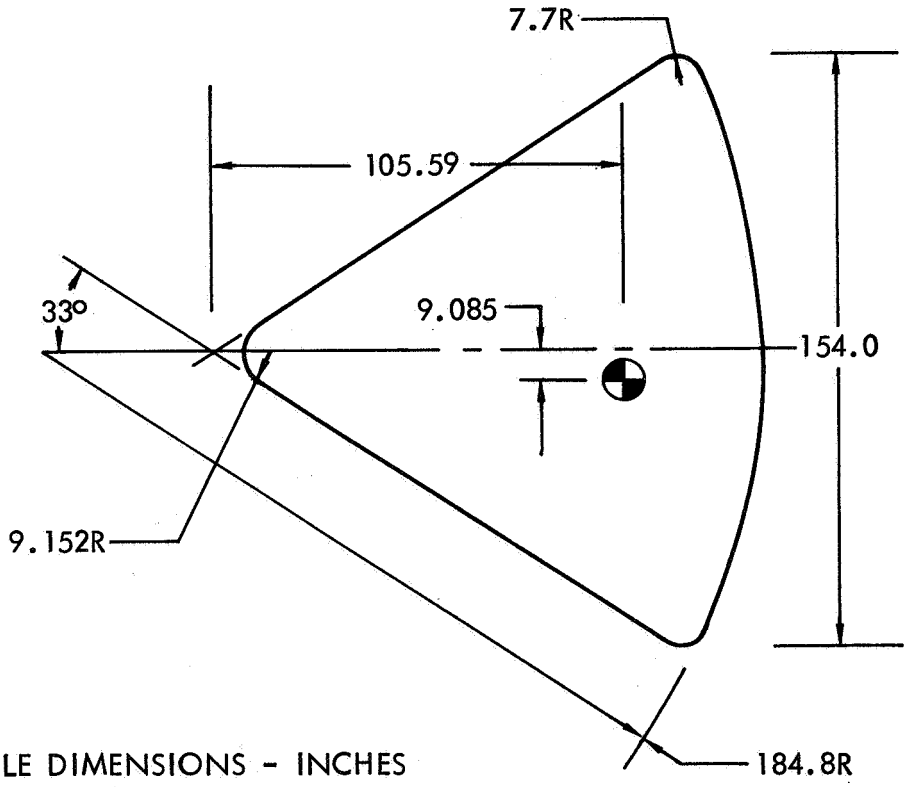

FULL-SCALE DIMENSIONS - INCHES
NOT TO ANY SCALE

Figure 1. C_2 Model Configuration

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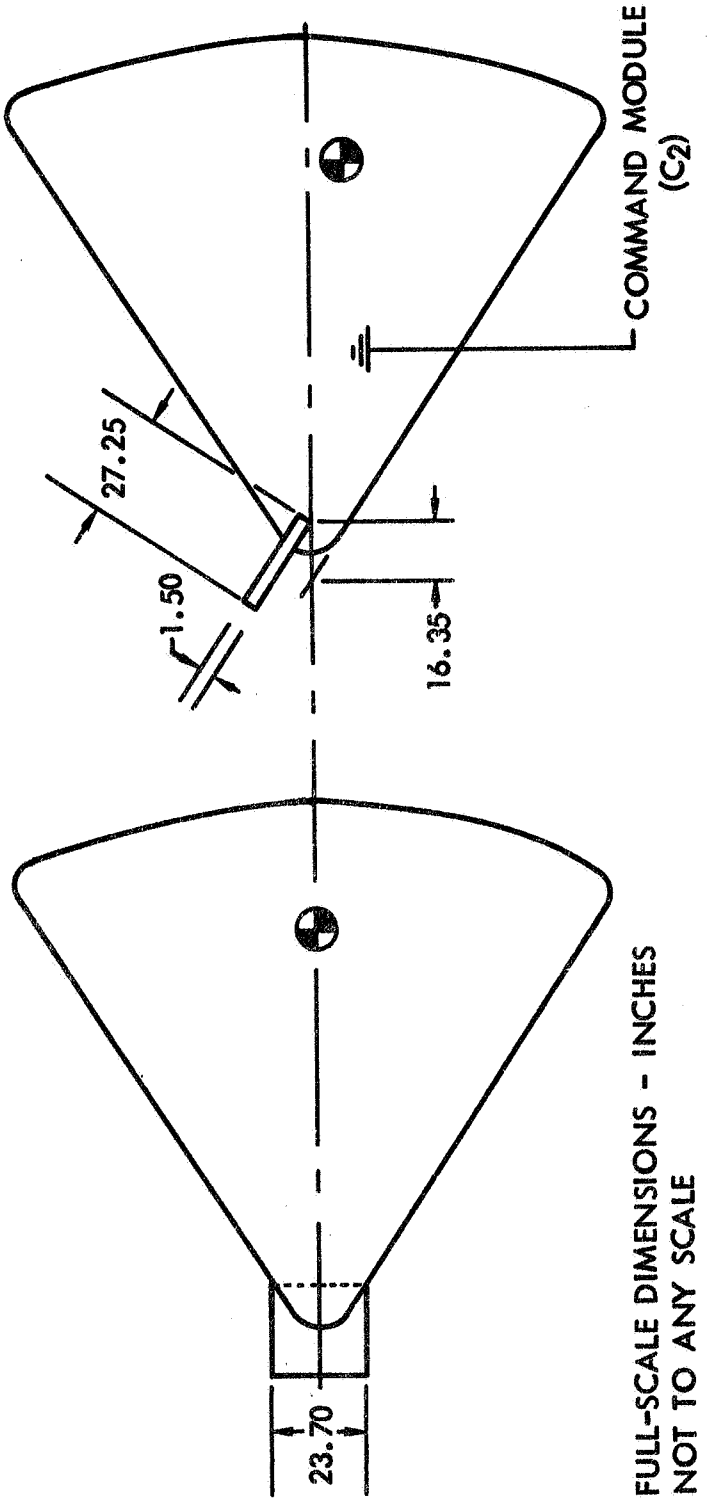

Figure 2. C_2F_7 Configuration

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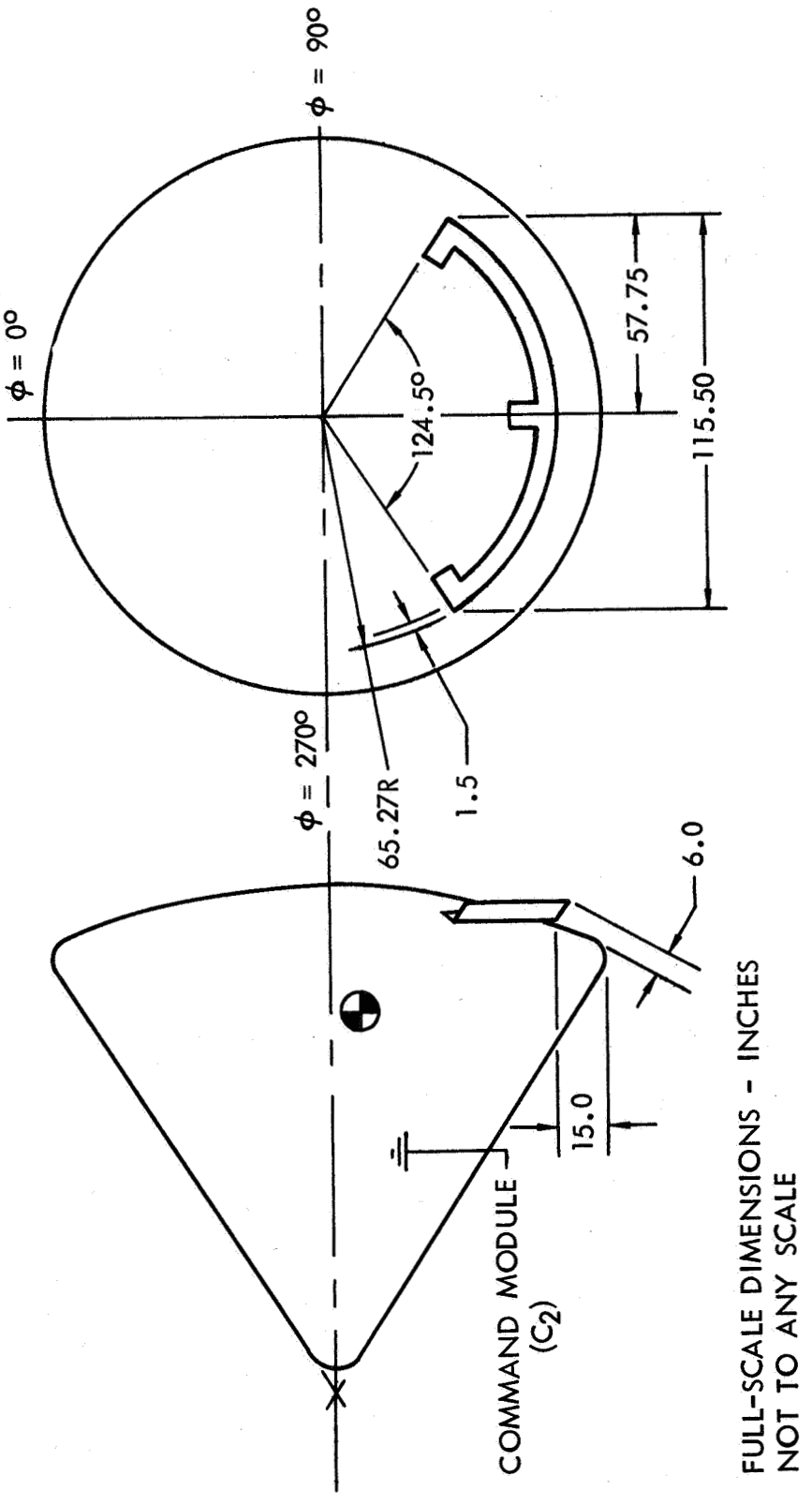

Figure 3. C_2F_8 Configuration

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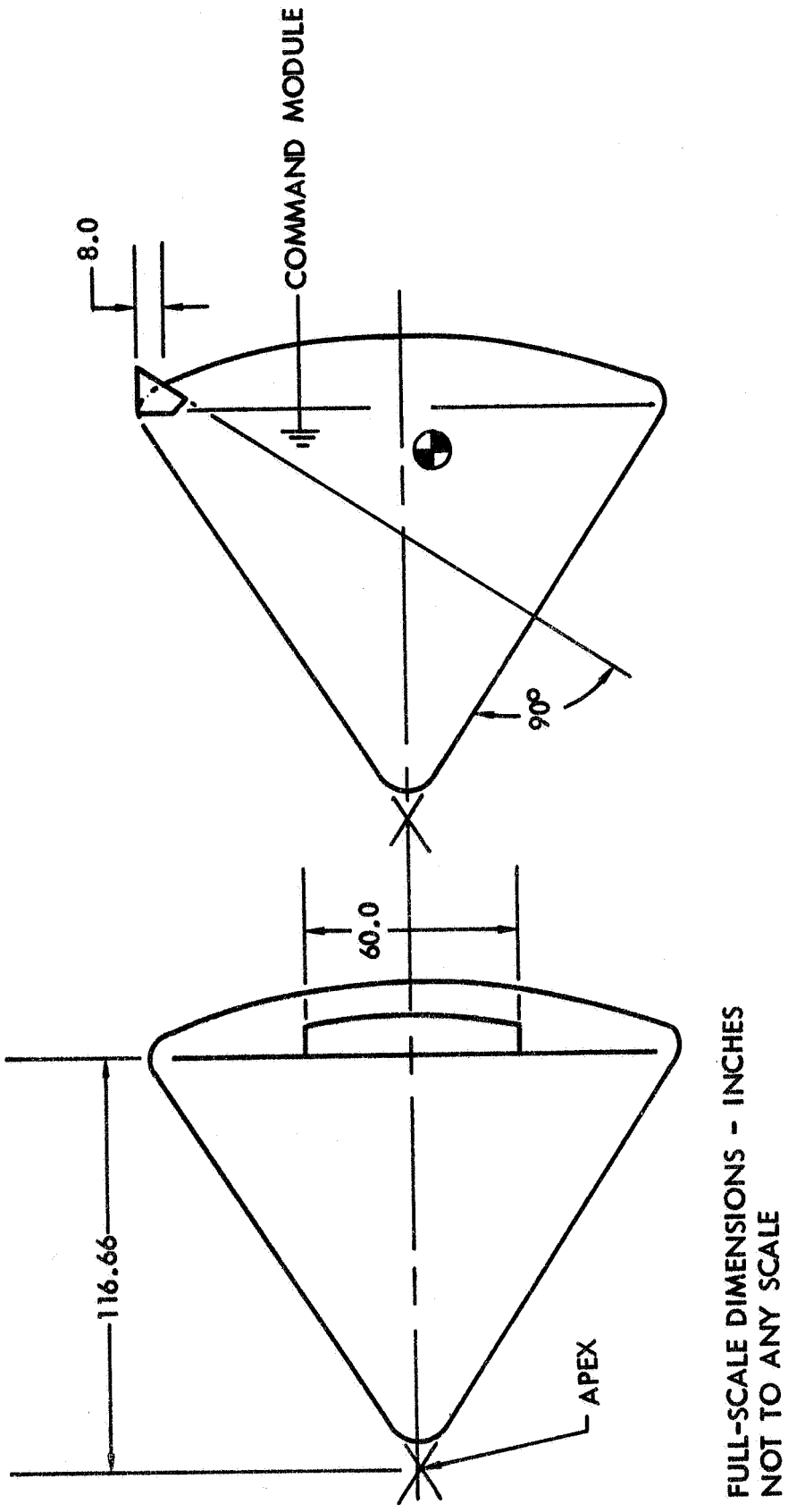

Figure 4. C_2F_9 Configuration

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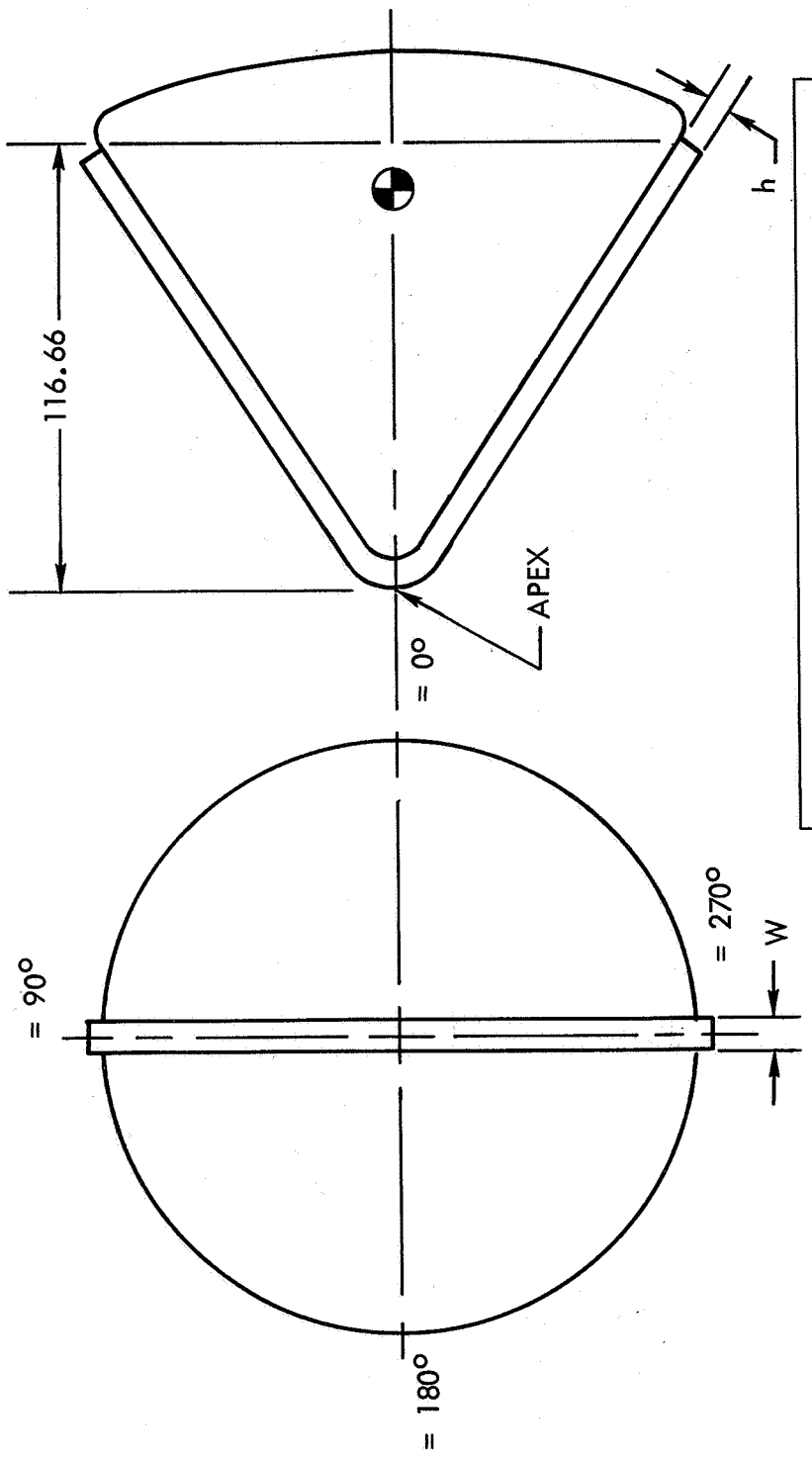

Description Of Longitudinal Ribs			
Configuration	h	W	Ribs Are Located In Yaw Plane
C_2L_7	6	5	
C_2L_8	4	5	
C_2L_9	2	5	

FULL-SCALE DIMENSIONS - INCHES
NOT TO ANY SCALE

Figure 5. C_2L_7, C_2L_8, and C_2L_9 Configurations

[redacted]

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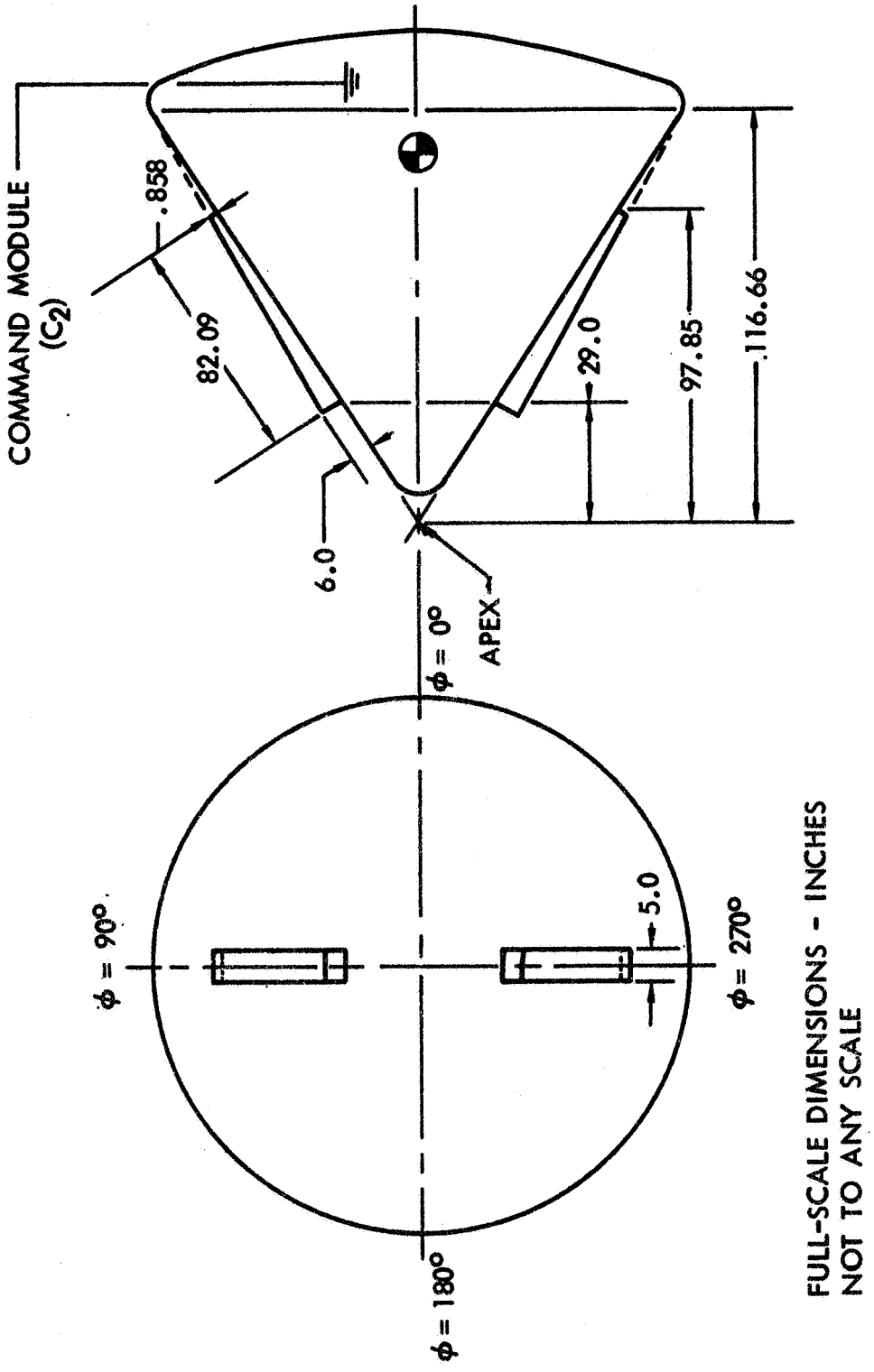

Figure 6. C_2L_{11} Configuration

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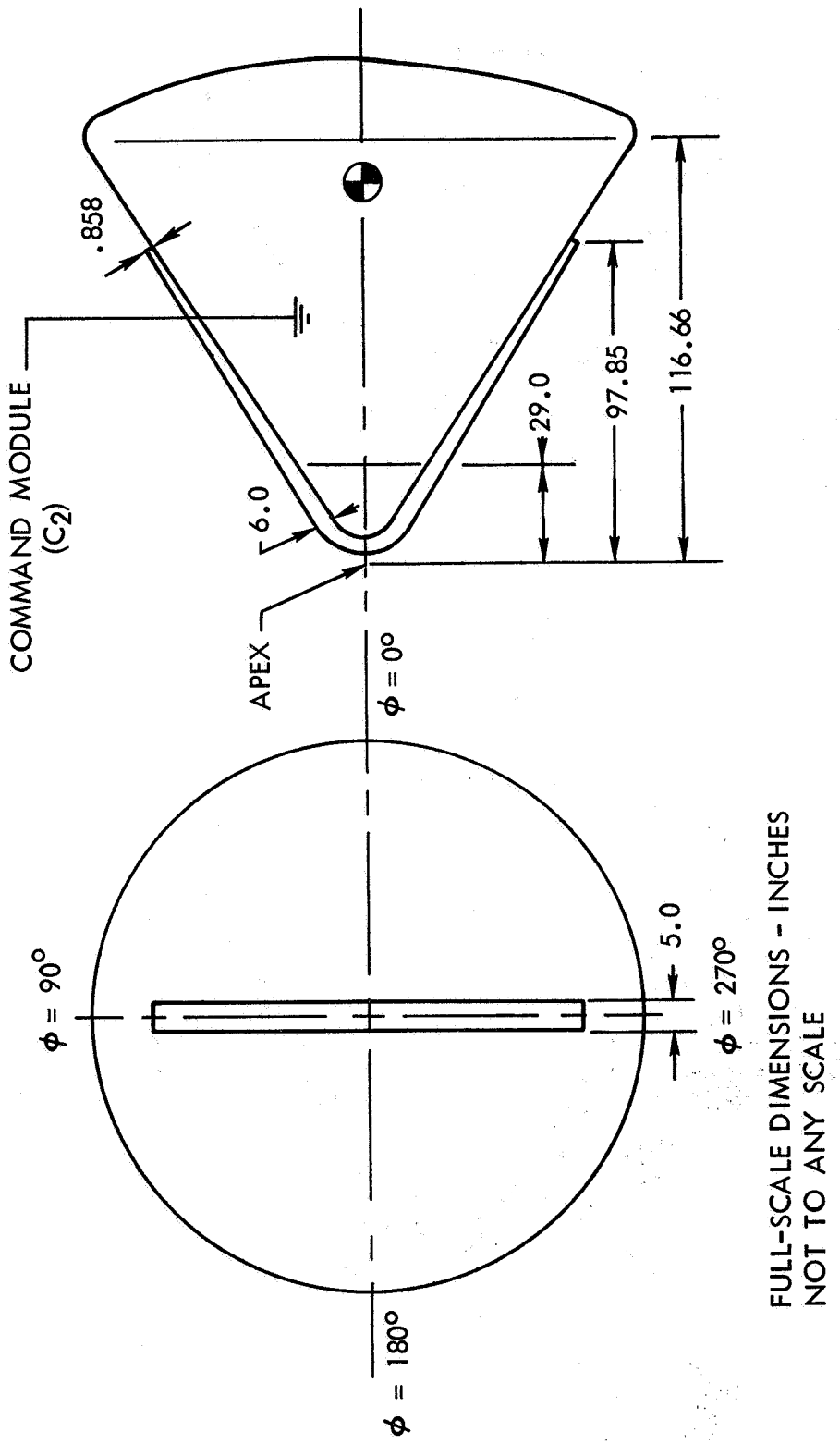

Figure 7. C_2L_{13} Configuration

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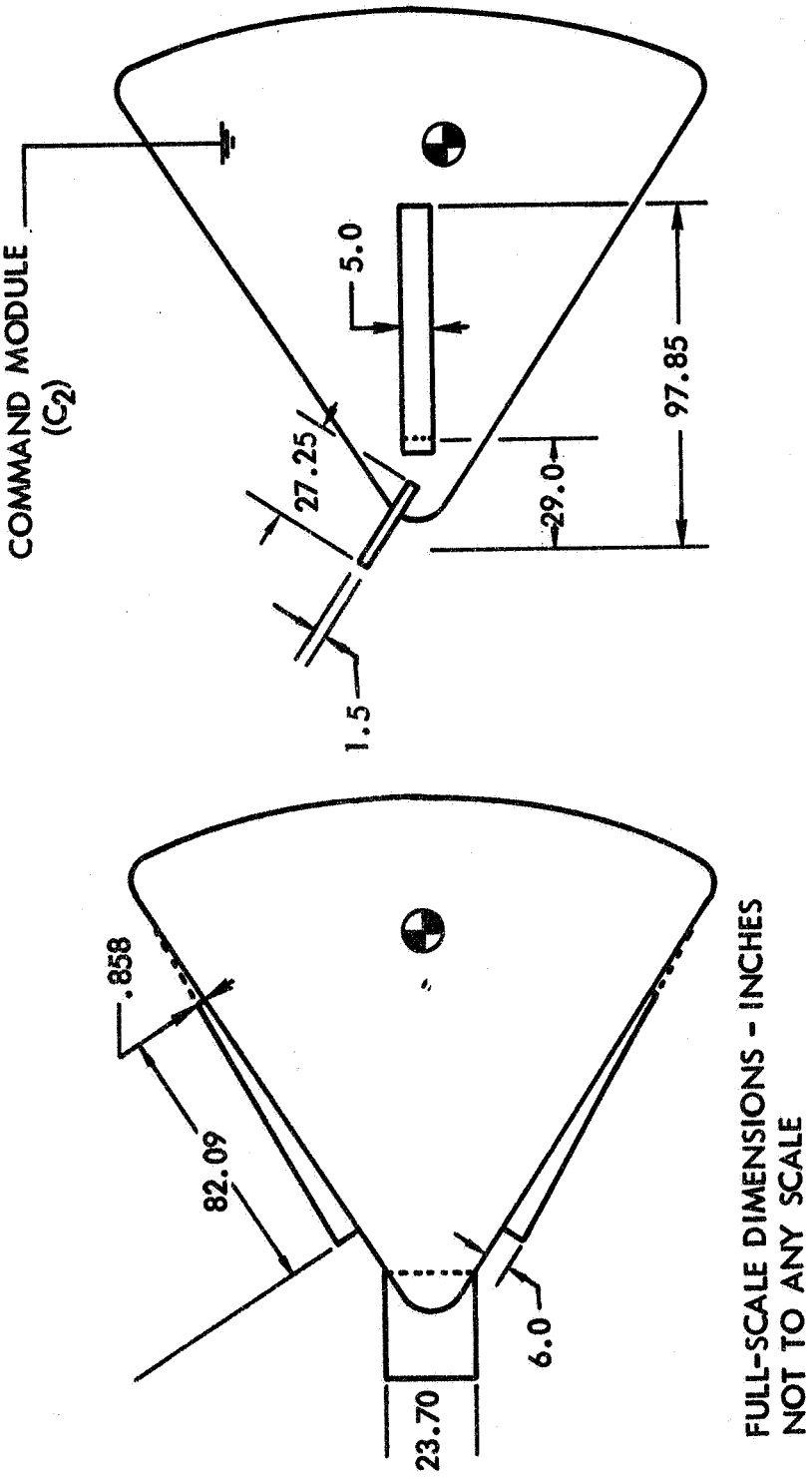

Figure 8. $C_2F_7L_{11}$ Configuration

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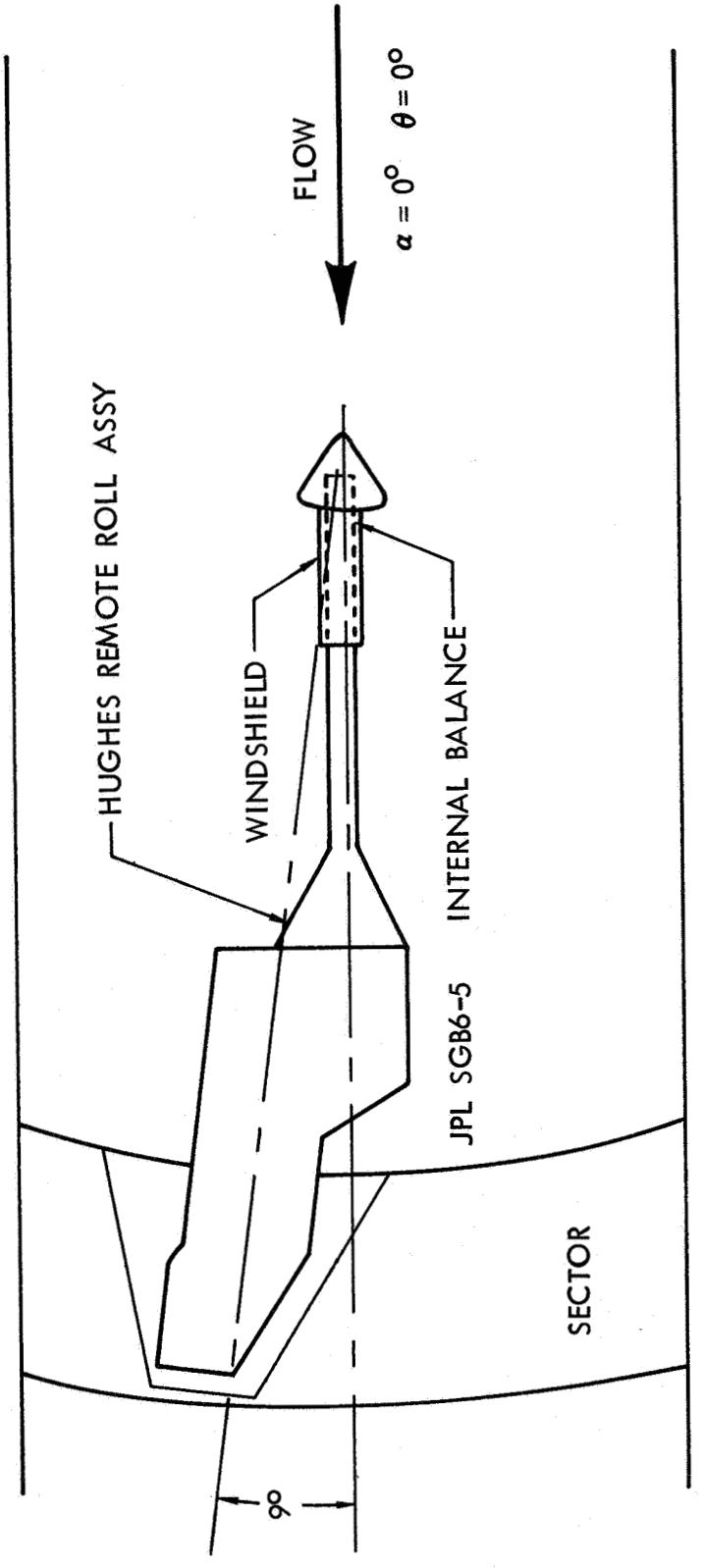

Figure 9. Model Installation

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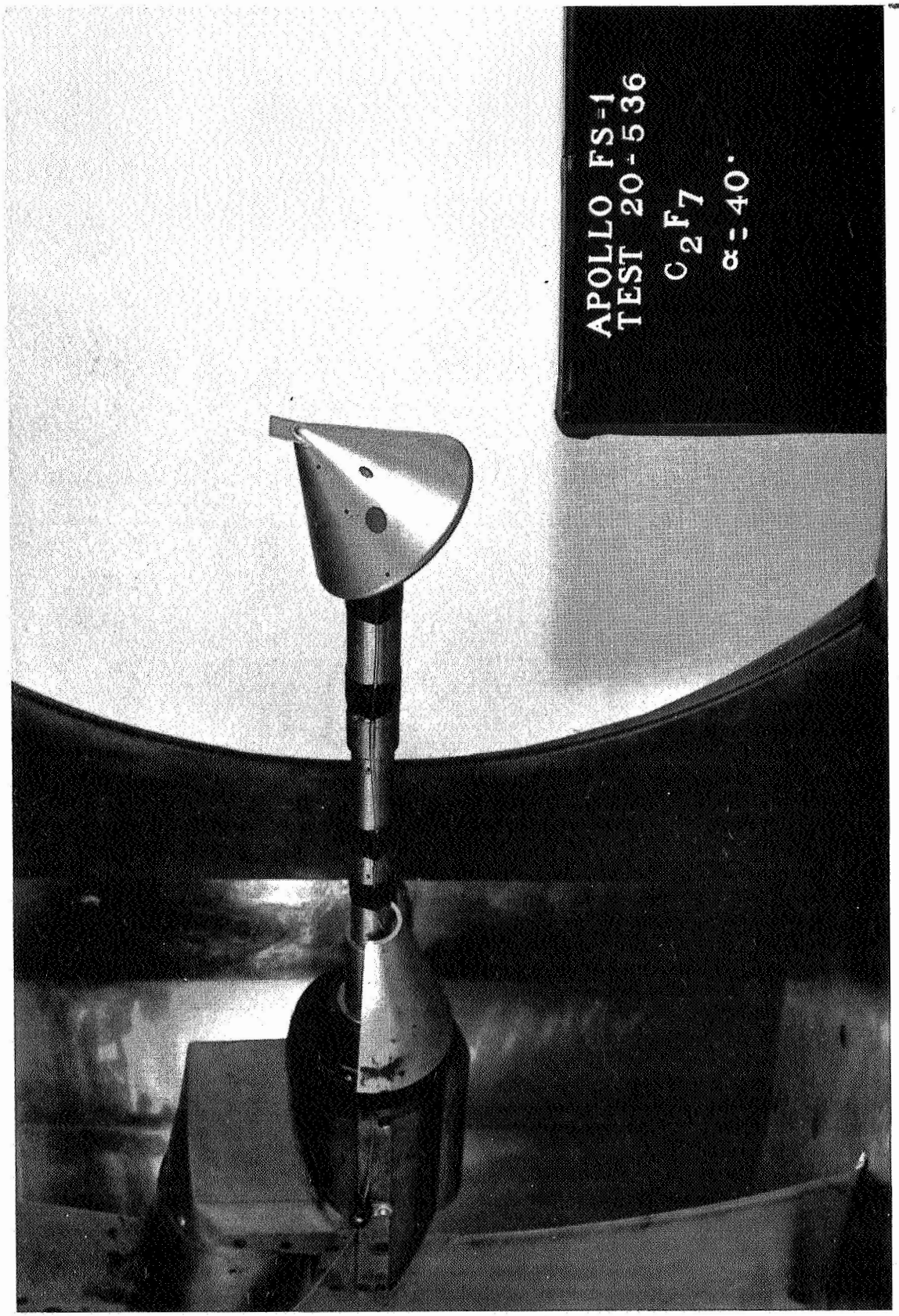

Figure 10. C_2F_7 Installed in Tunnel

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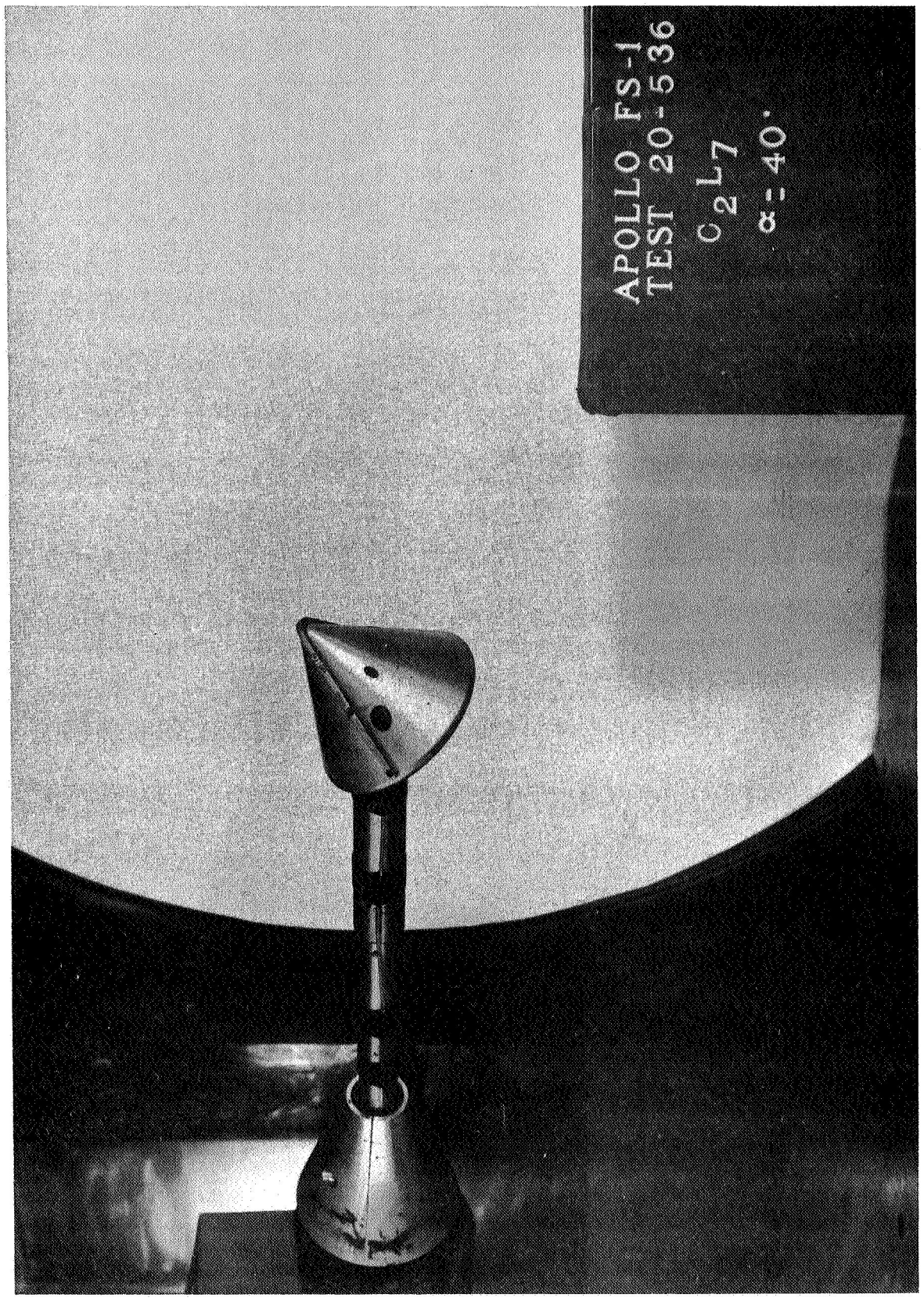

Figure 11. C_2L_7 Installed in Tunnel

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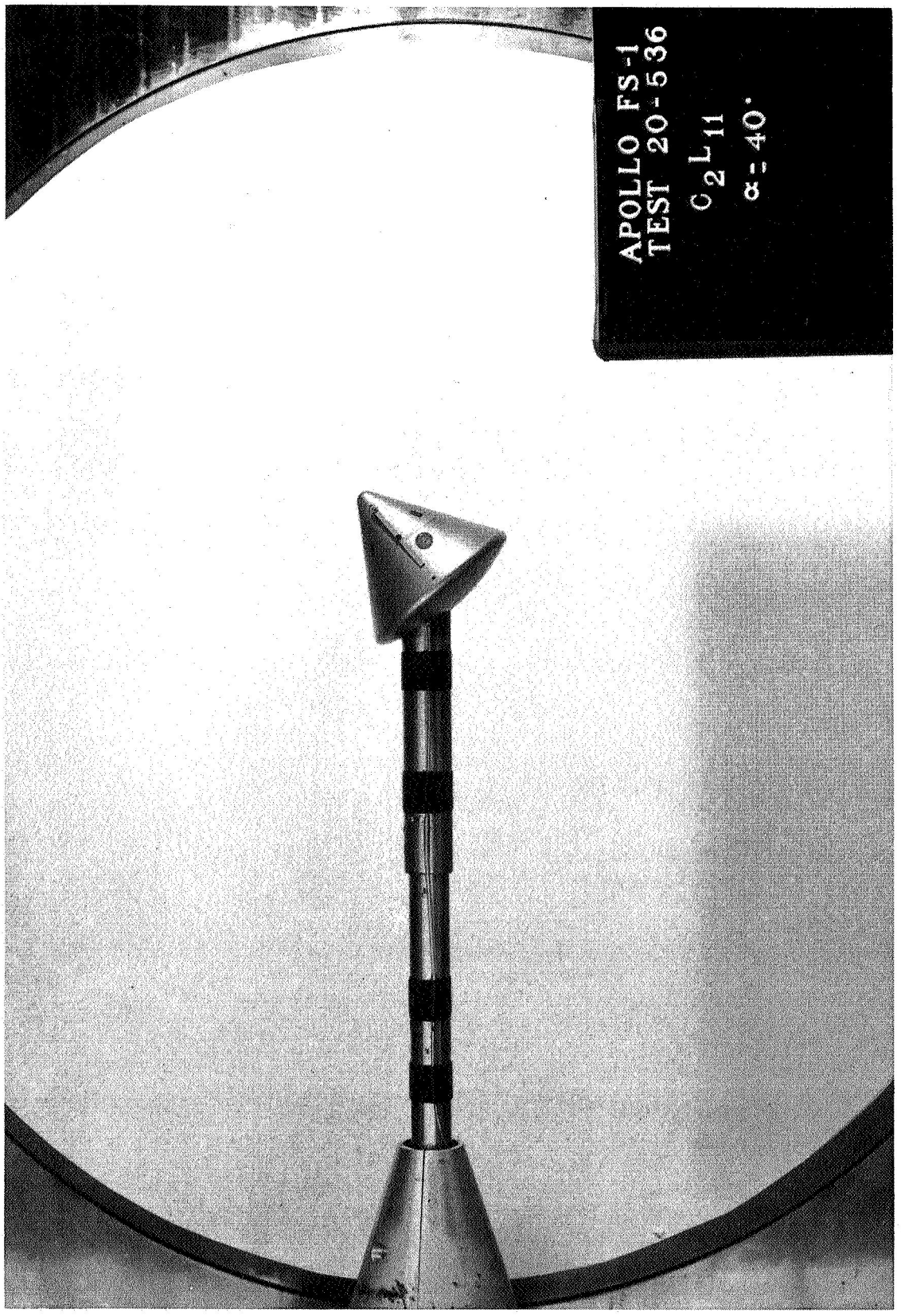

Figure 12. C_2L_{11} Installed in Tunnel

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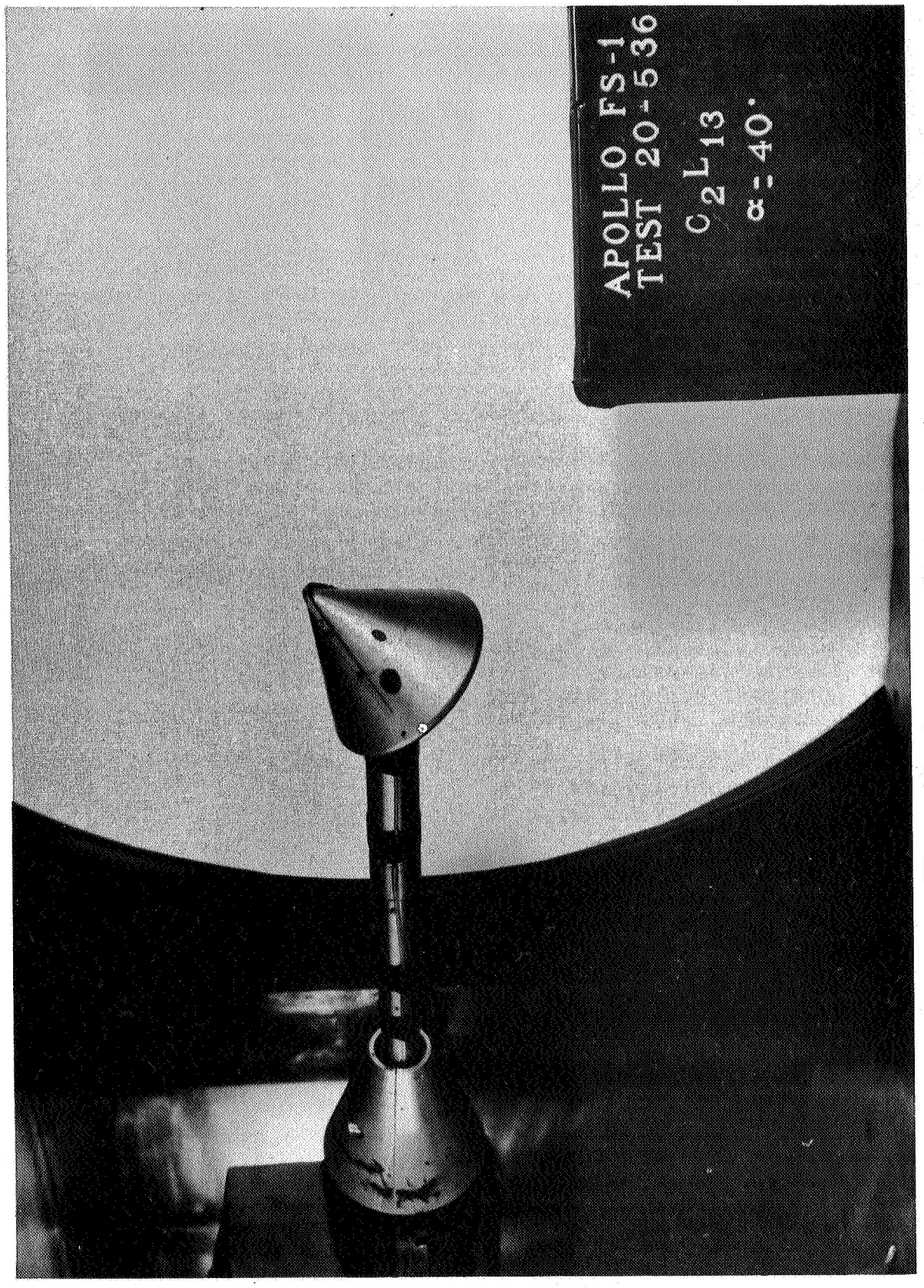

Figure 13. C_2L_{13} Installed in Tunnel

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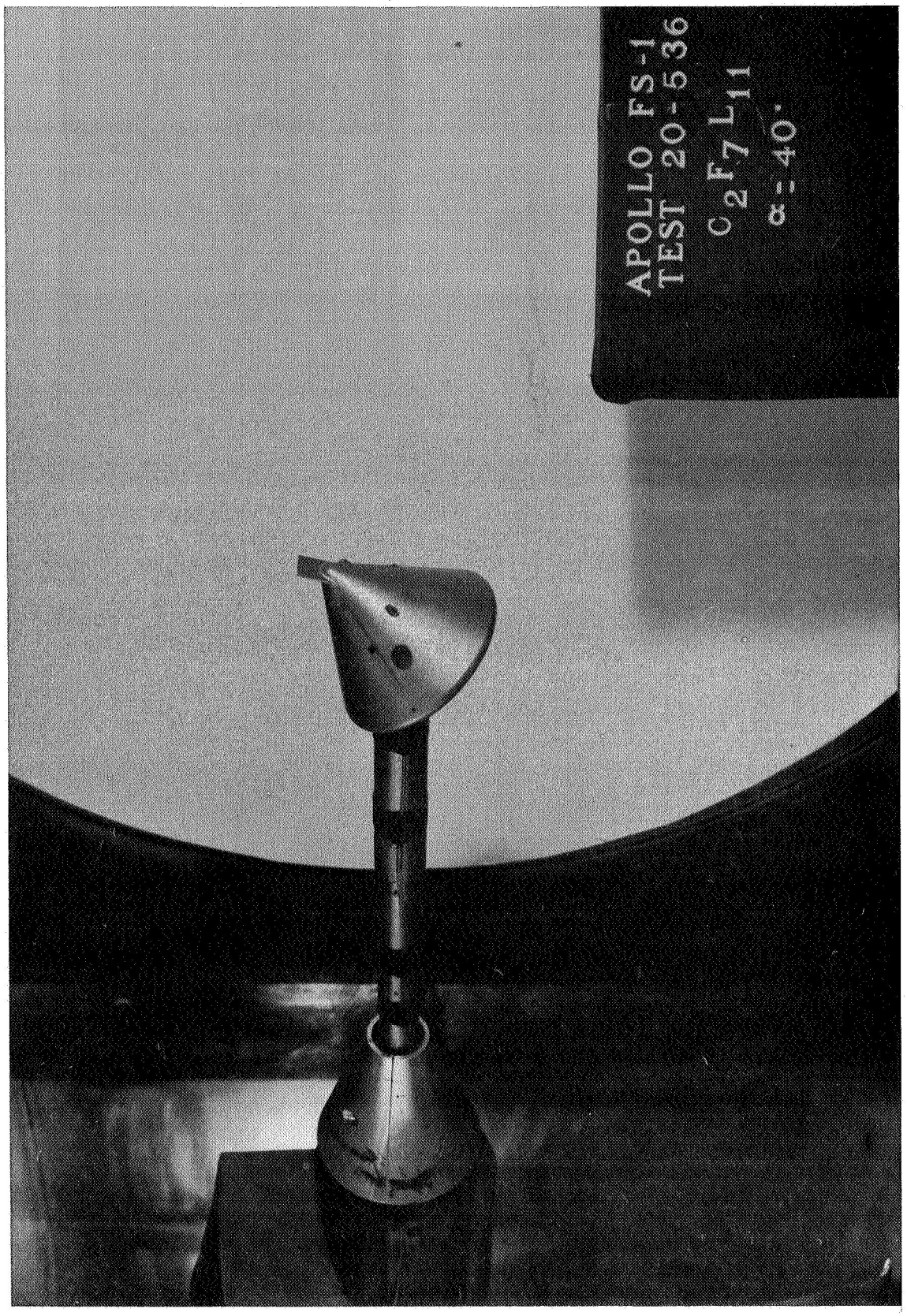

Figure 14. $C_2F_7L_{11}$ Installed in Tunnel

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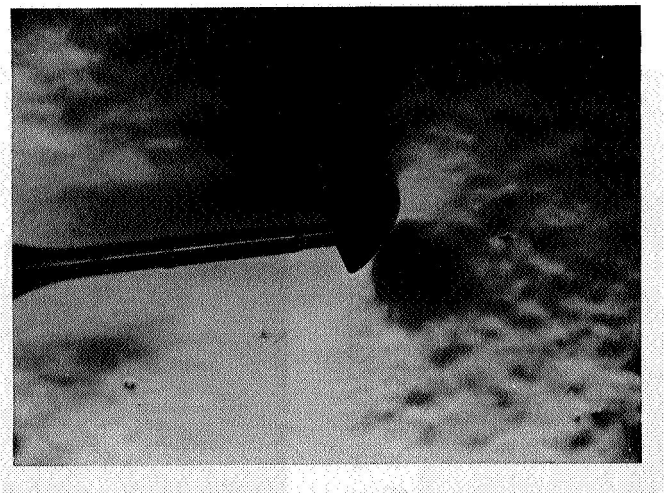
M = 0.70
α = 40 DEGREES



M = 0.70
α = 147 DEGREES

Figure 15. C_2 Typical Schlieren Photographs

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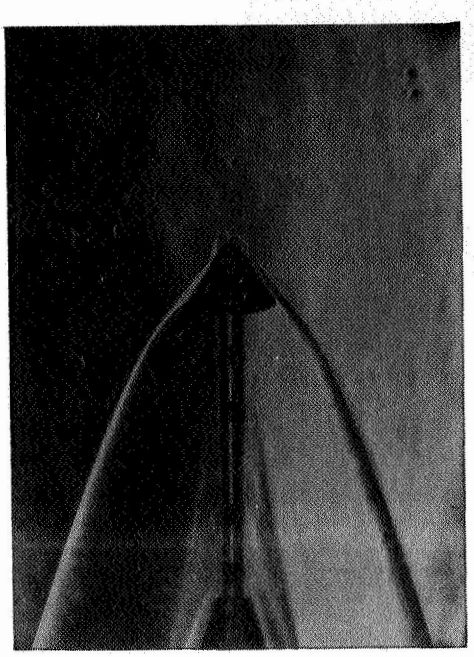
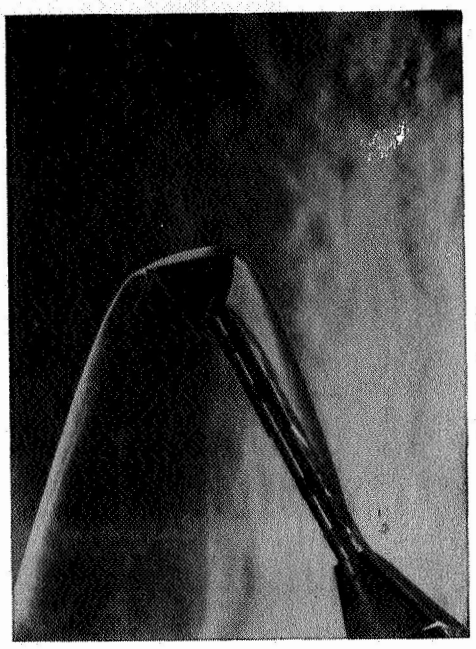
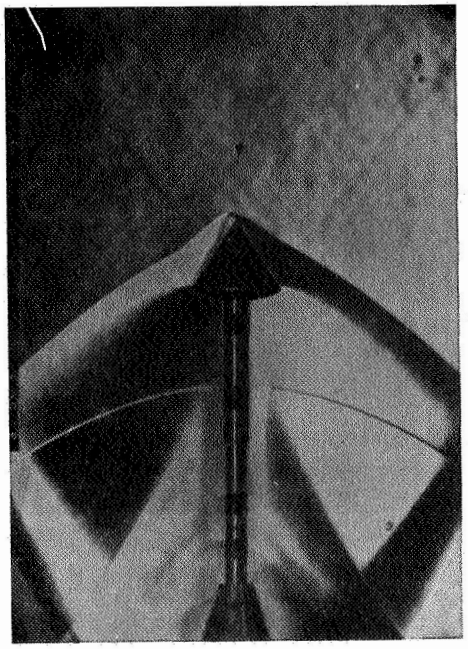


M = 1.65
α = 0 DEGREES



M = 5.01
α = 68 DEGREES



M = 1.65
α = 152 DEGREES

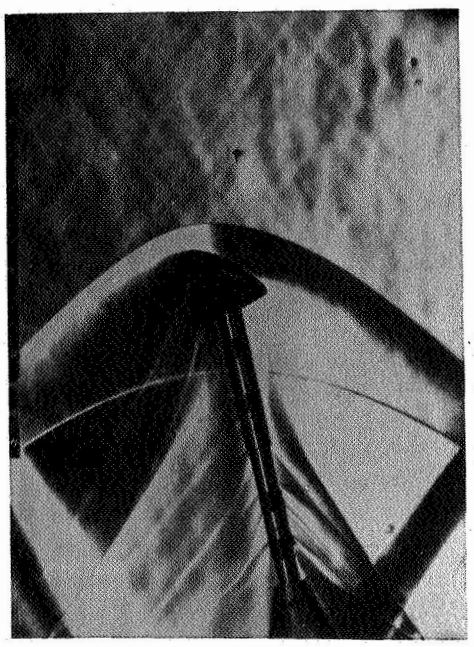


Figure 16. C_2F_7 Typical Schlieren Photographs

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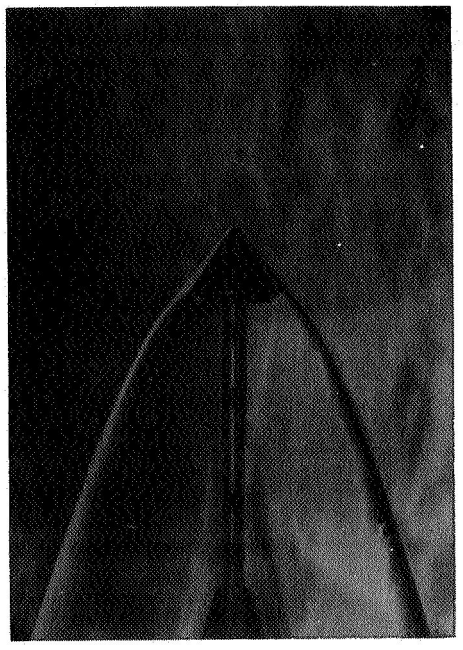
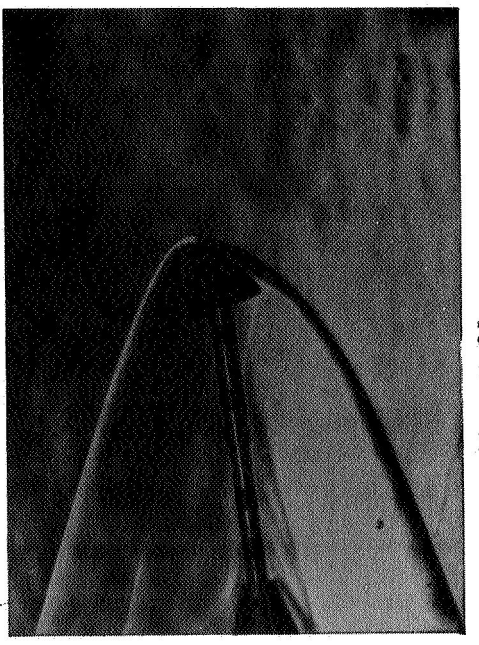
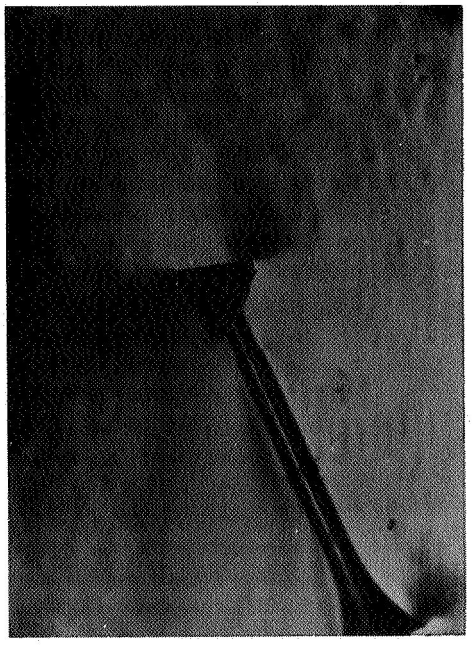


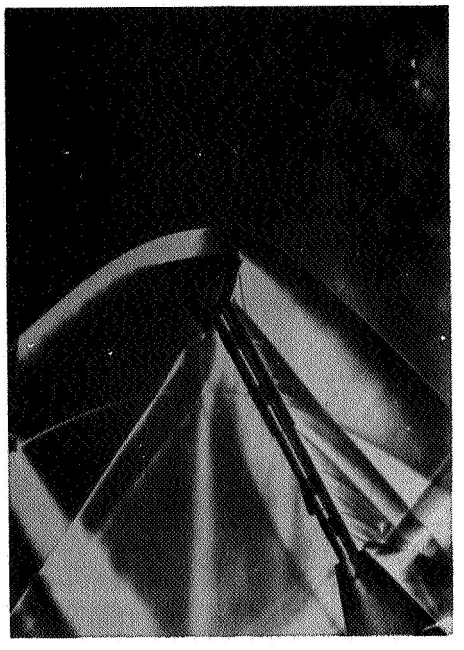
M = 5.01
α = 0 DEGREES



M = 5.01
α = 147 DEGREES



M = 0.70
α = 65 DEGREES



M = 1.65
α = 68 DEGREES

Figure 17. C_2F_8 Typical Schlieren Photographs

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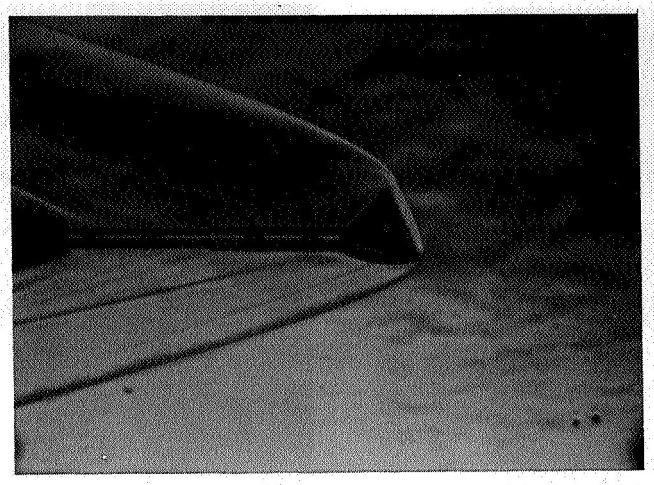
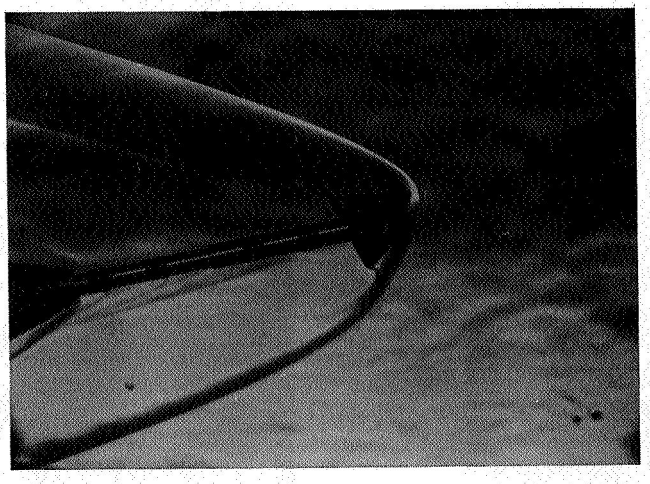


M = 5.01
α = 80 DEGREES

Figure 18. C_2L_8 Typical Schlieren Photograph



M = 5.01
α = 152 DEGREES

Figure 19. C_2F_9 Typical Schlieren Photograph

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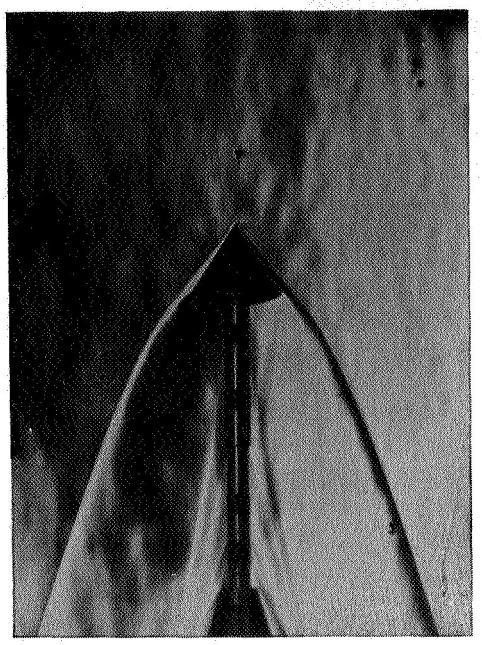
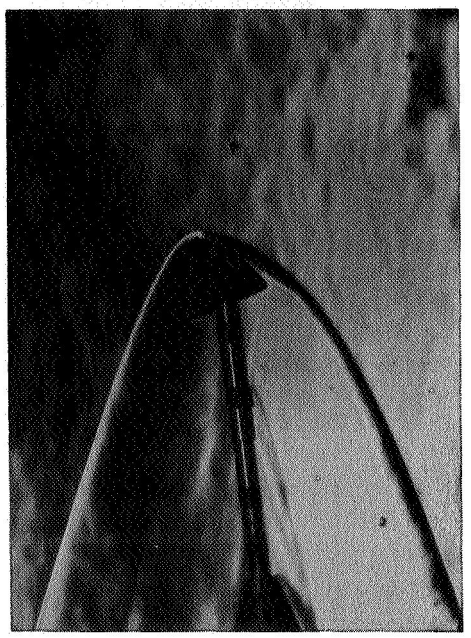
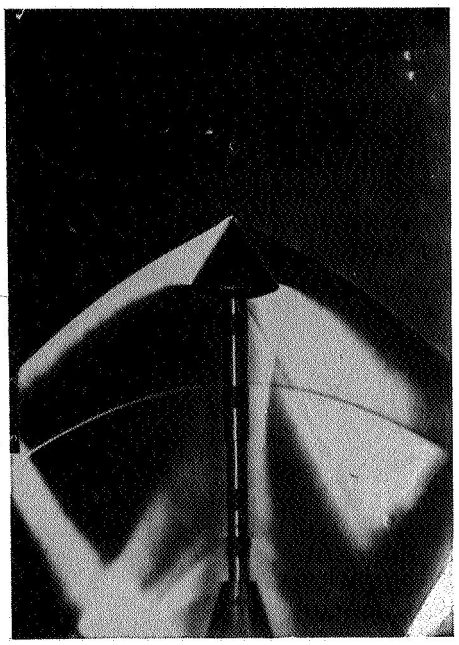


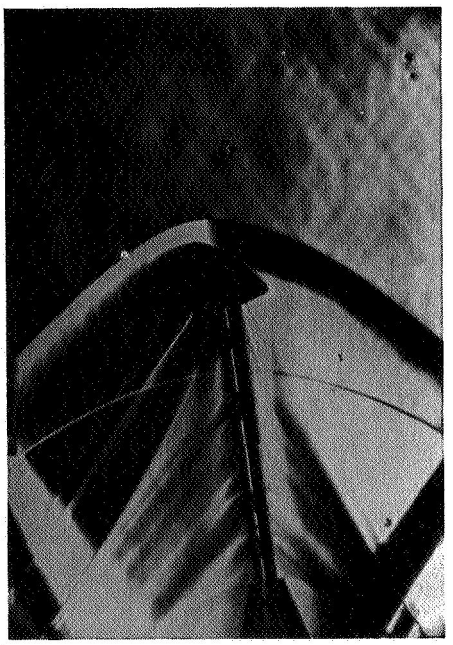
M = 5.01
α = 0 DEGREES



M = 5.01
α = 147 DEGREES



M = 1.65
α = 0 DEGREES



M = 1.65
α = 147 DEGREES

Figure 20. C_2L_7 Typical Schlieren Photographs

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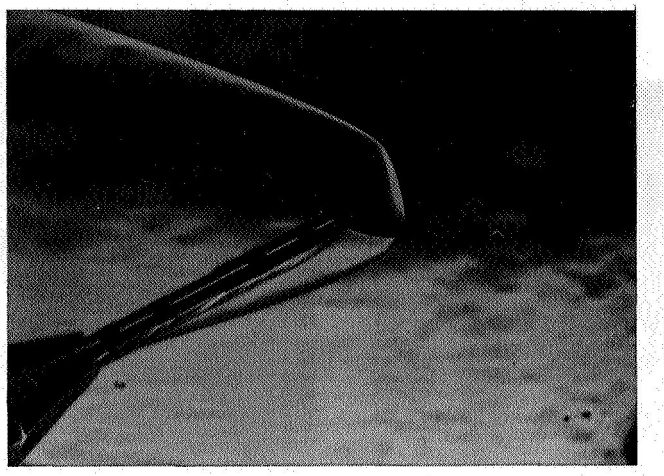
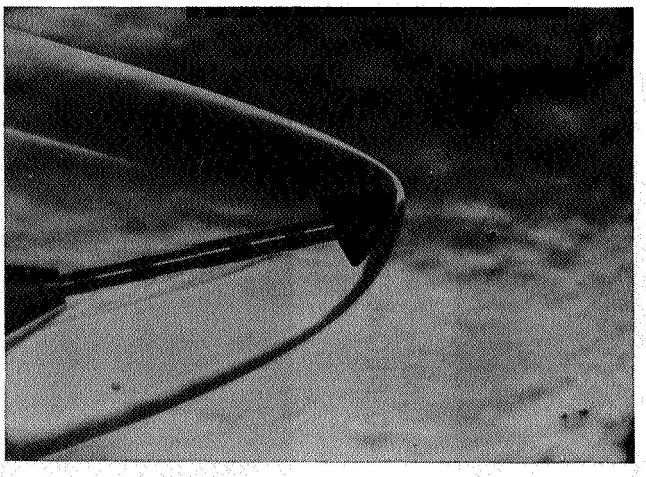


M = 5.01
α = 68 DEGREES



M = 5.01
α = 152 DEGREES

Figure 21. C_2L_9 Typical Schlieren Photographs

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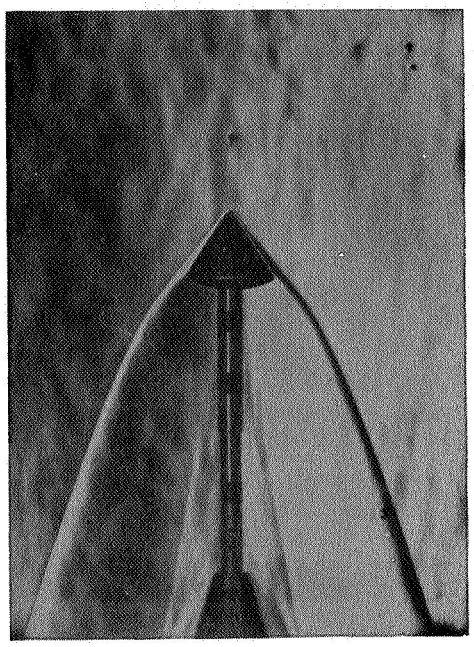
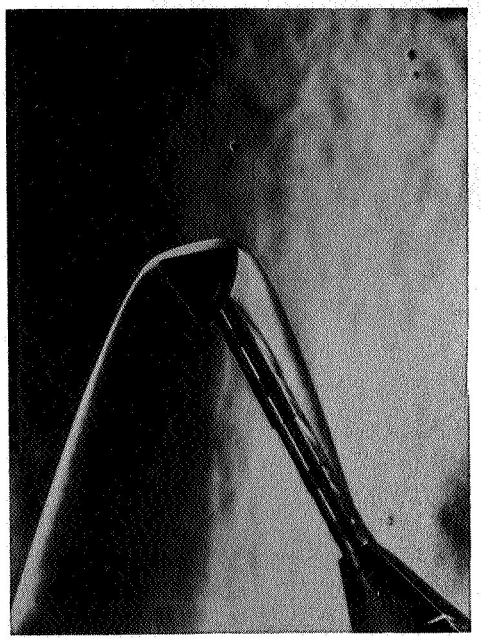
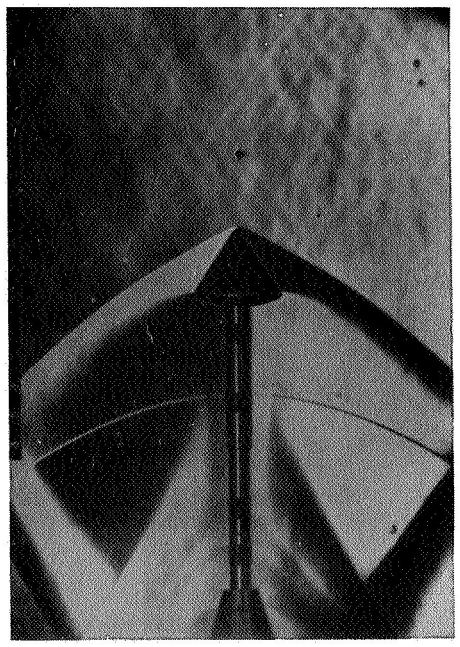


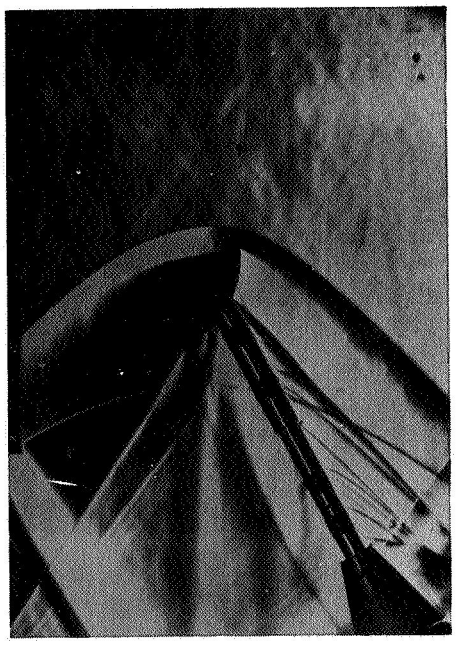
M = 5.01
α = 0 DEGREES



M = 5.01
α = 68 DEGREES



M = 1.65
α = 0 DEGREES



M = 1.65
α = 68 DEGREES

Figure 22. C_2L_{11} Typical Schlieren Photographs

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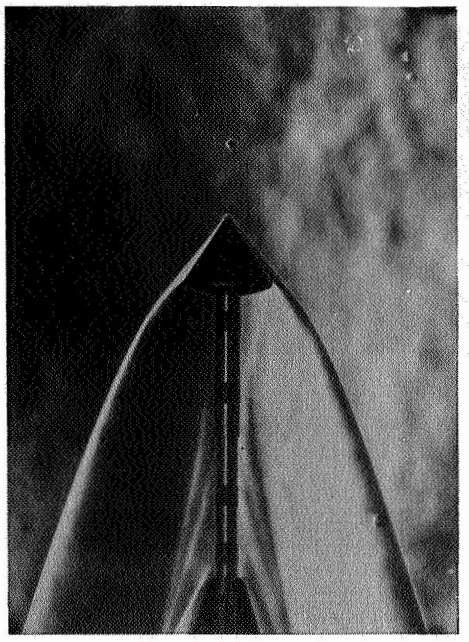
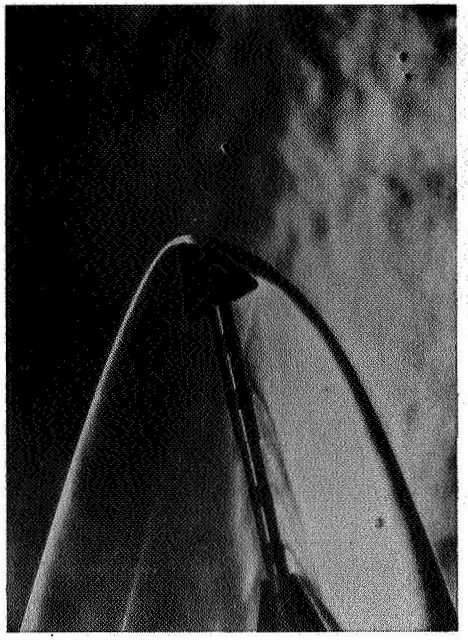
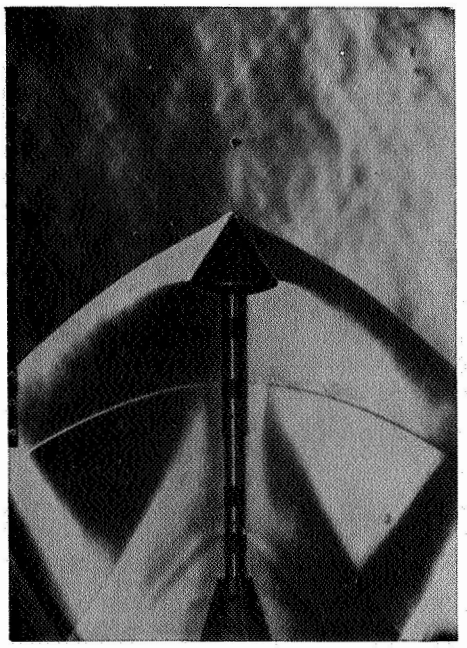


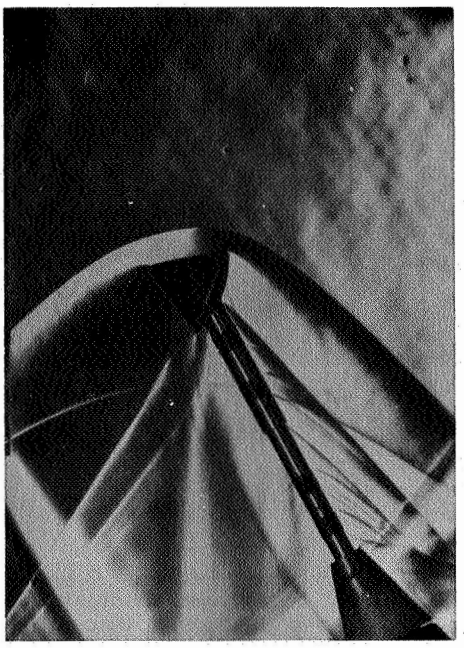
M = 5.01
α = 0 DEGREES



M = 5.01
α = 152 DEGREES



M = 1.65
α = 0 DEGREES



M = 1.65
α = 68 DEGREES

Figure 23. C_2L_{13} Typical Schlieren Photographs

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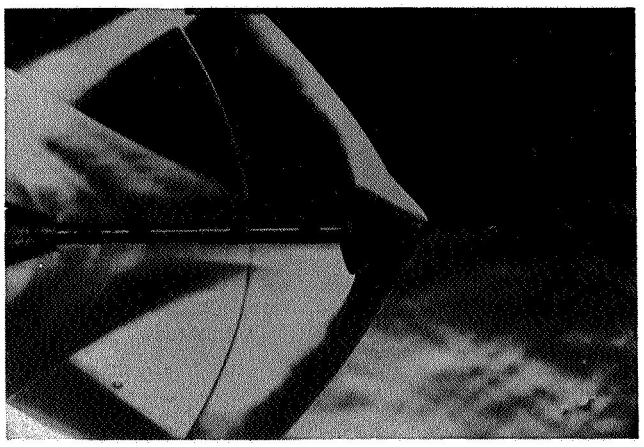
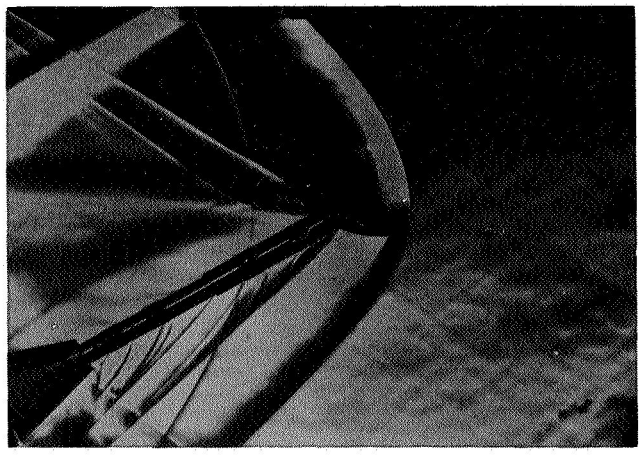
[redacted]



M = 1.65
α = 0 DEGREES



M = 1.65
α = 68 DEGREES

Figure 24. $C_2F_7L_{11}$ Typical Schlieren Photographs

[redacted]

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CO[redacted]L

APPENDIX A

PLOTTED DATA

[redacted]

INDEX OF PLOTTED DATA

Command Module Characteristics

C_D, C_L, $C_{m_{cg}}$, C_{m_A}, C_A, C_N, $X_{CP/d}$, L/D

Configuration and Mach Number	Figure
C_2, M = 0.70	1a to 1h
C_2F_7, M = 1.65	2a to 2h
C_2F_7, M = 5.01	3a to 3h
C_2F_8, M = 0.70	4a to 4h
C_2F_8, M = 1.65	5a to 5h
C_2F_8, M = 5.01	6a to 6h
C_2F_9, M = 5.01	7a to 7h
C_2L_7, M = 1.65	8a to 8h
C_2L_7, M = 5.01	9a to 9h
C_2L_8, M = 5.01	10a to 10h
C_2L_9, M = 5.01	11a to 11h
C_2L_{11}, M = 1.65	12a to 12h
C_2L_{11}, M = 5.01	13a to 13h
C_2L_{13}, M = 1.65	14a to 14h
C_2L_{13}, M = 5.01	15a to 15h
$C_2F_7L_{11}$, M = 1.65	16a to 16h

CONFIDENTIAL

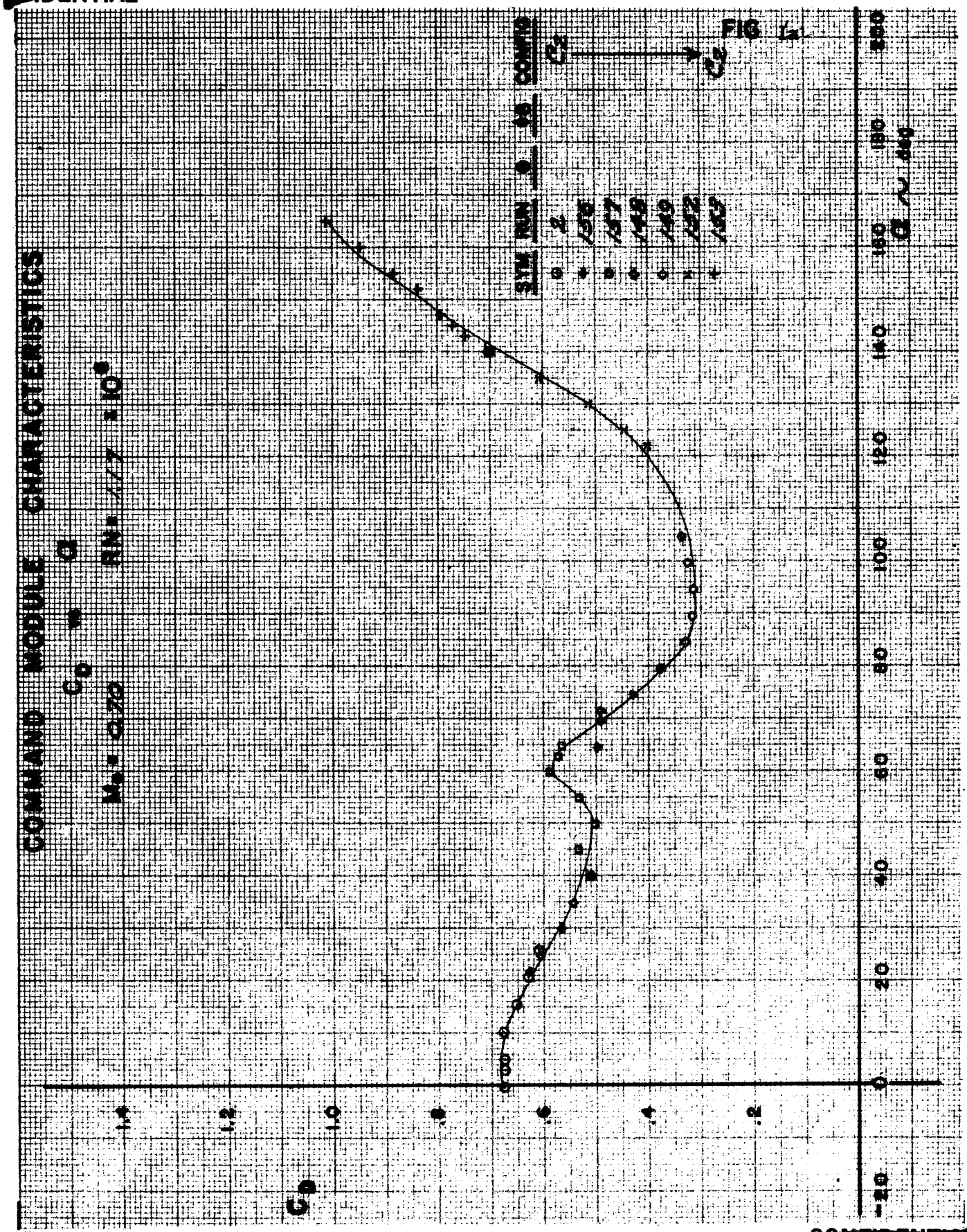

FIG. 1

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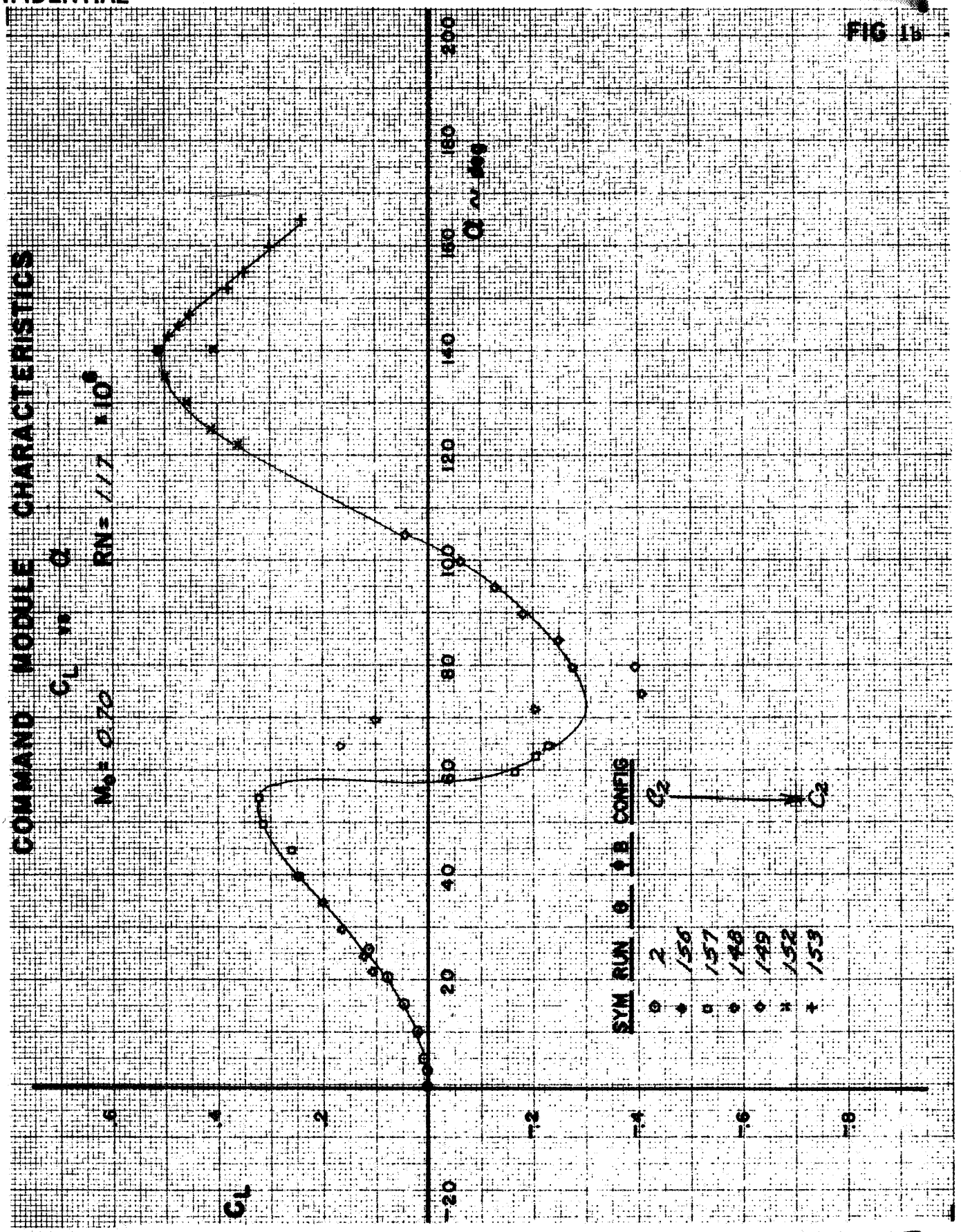
FIG 1b



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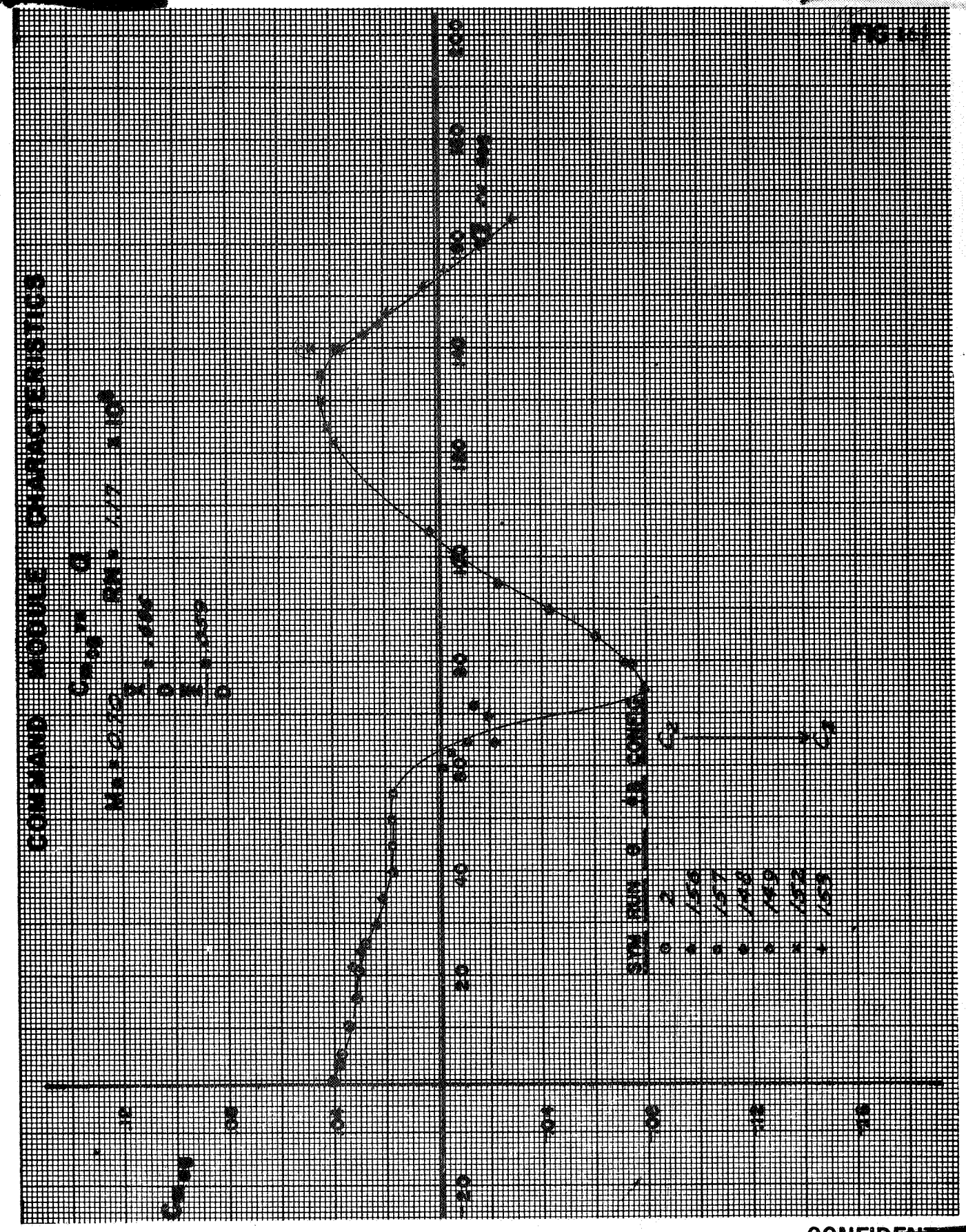
CO[redacted]



[redacted]

[redacted]

[redacted]

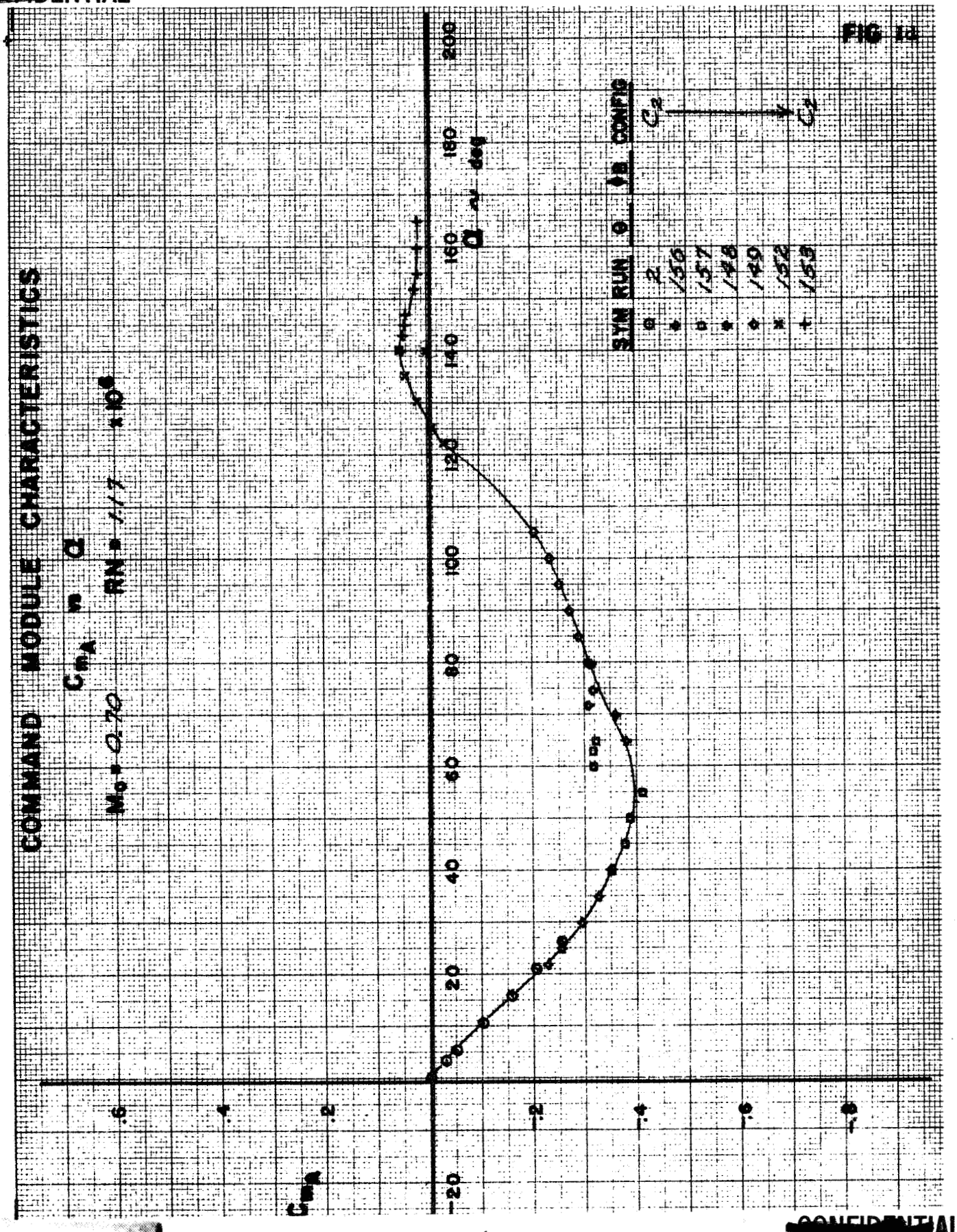
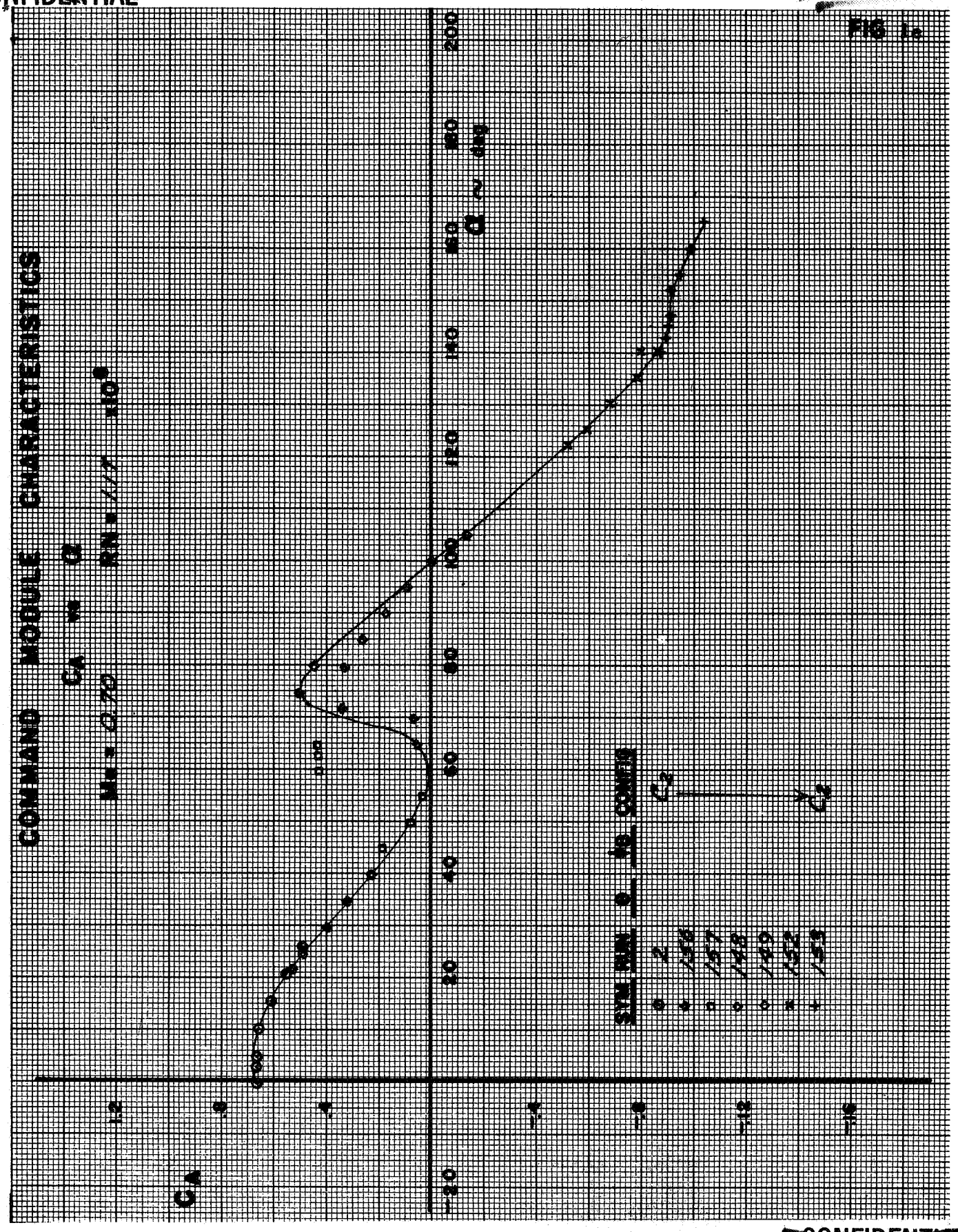


FIG 12

[redacted]

CONFIDENTIAL

FIG 1.



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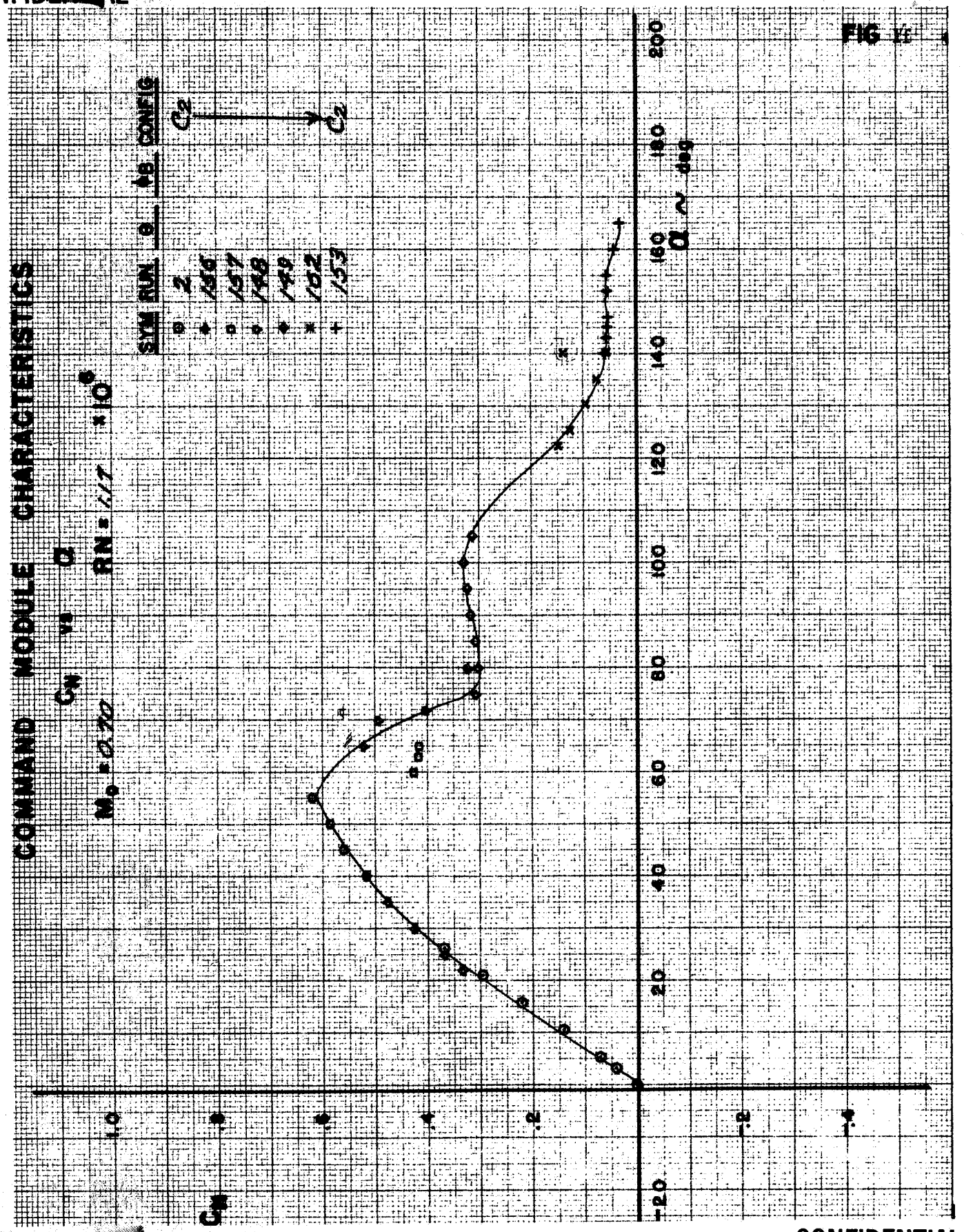


FIG VI

~~CONFIDENTIAL~~

[redacted]

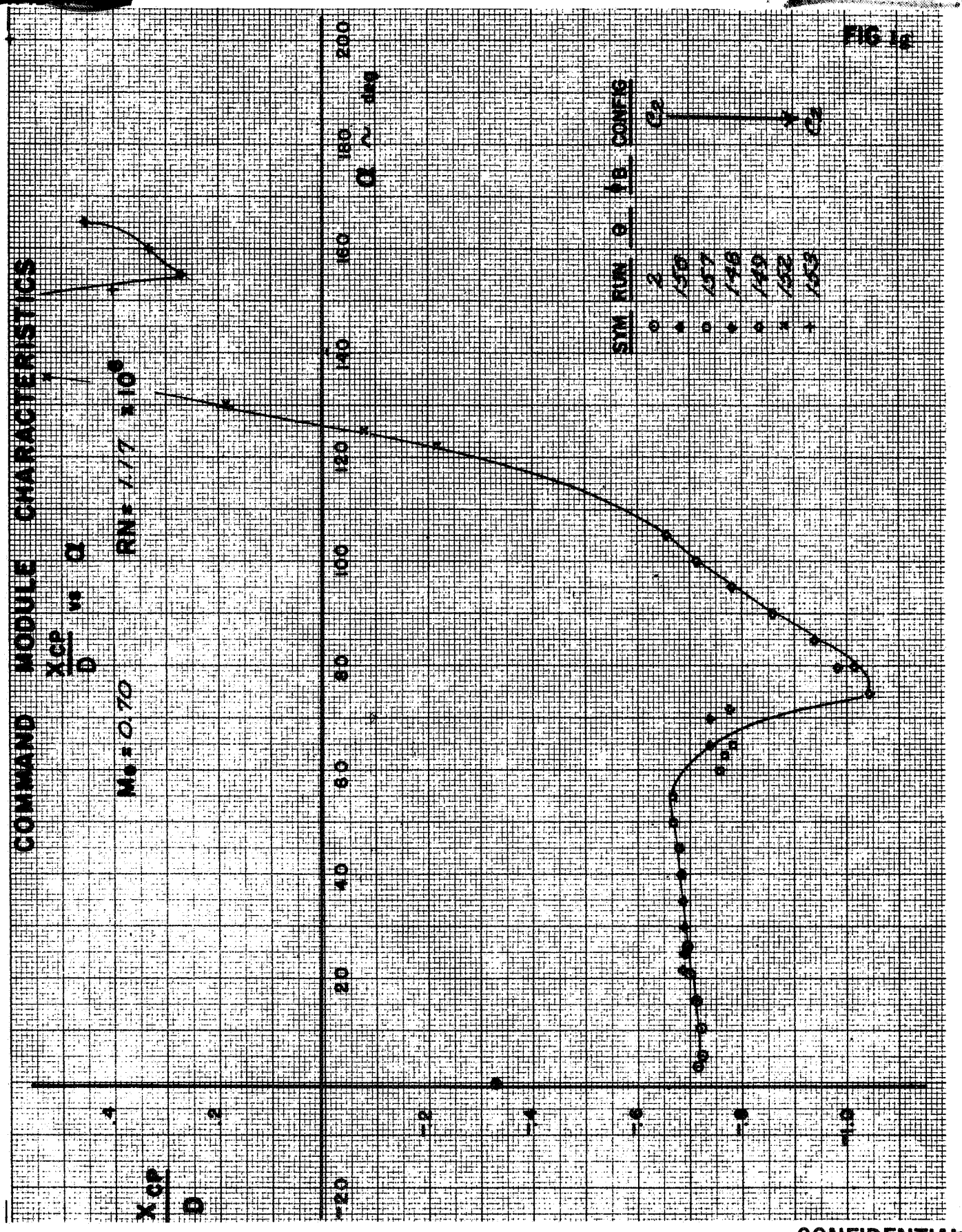


FIG 1g

[redacted]

[redacted]

[redacted]

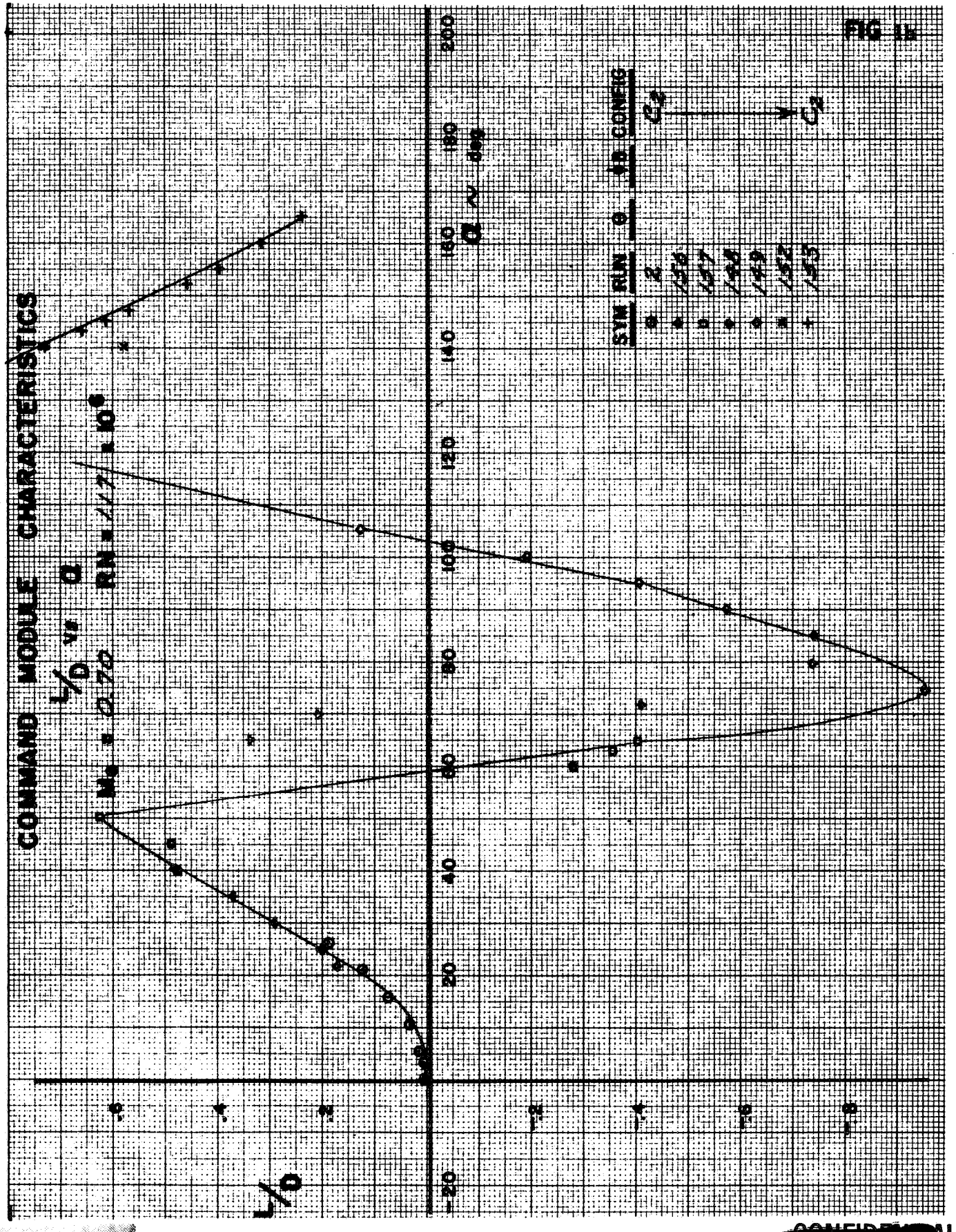


FIG 1b

[redacted]

[redacted]

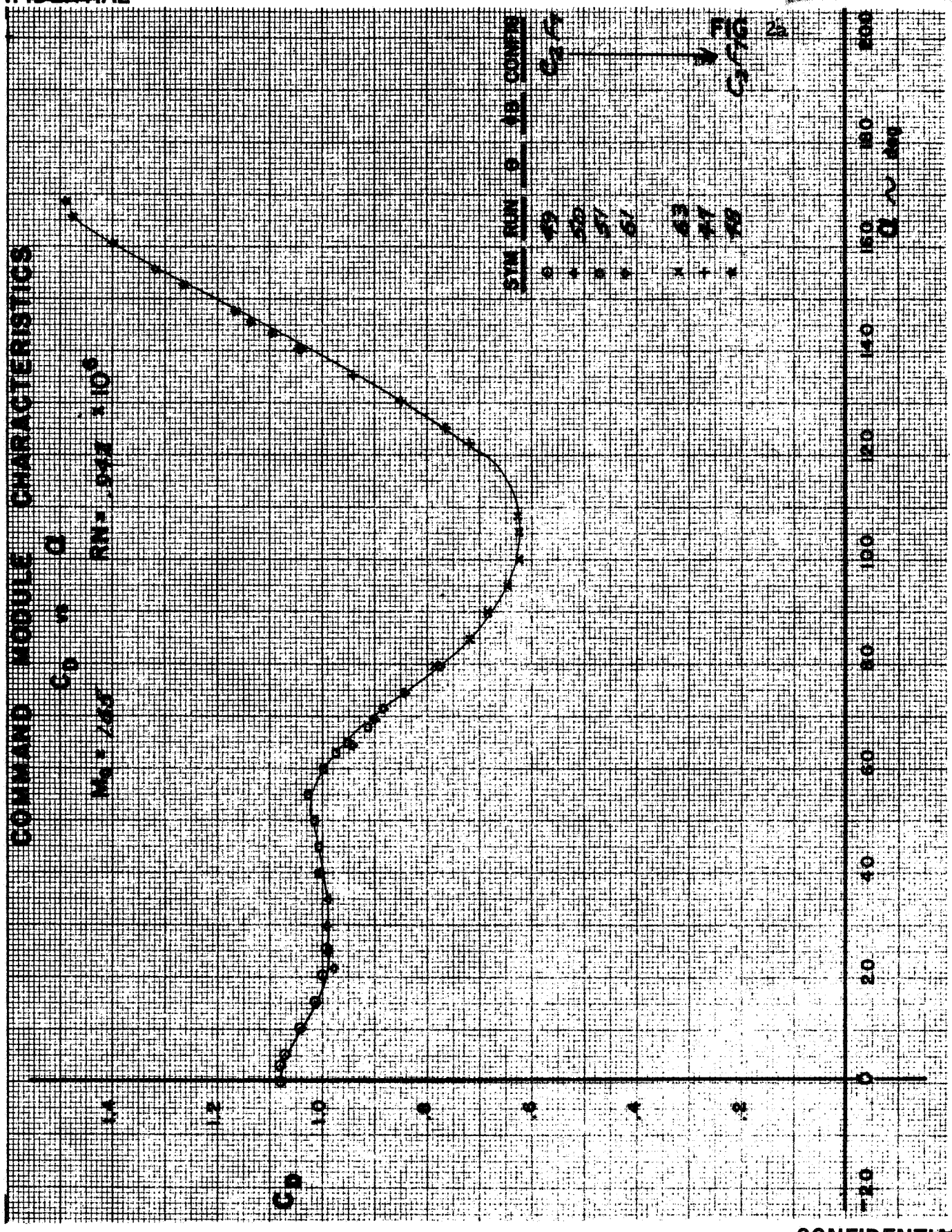
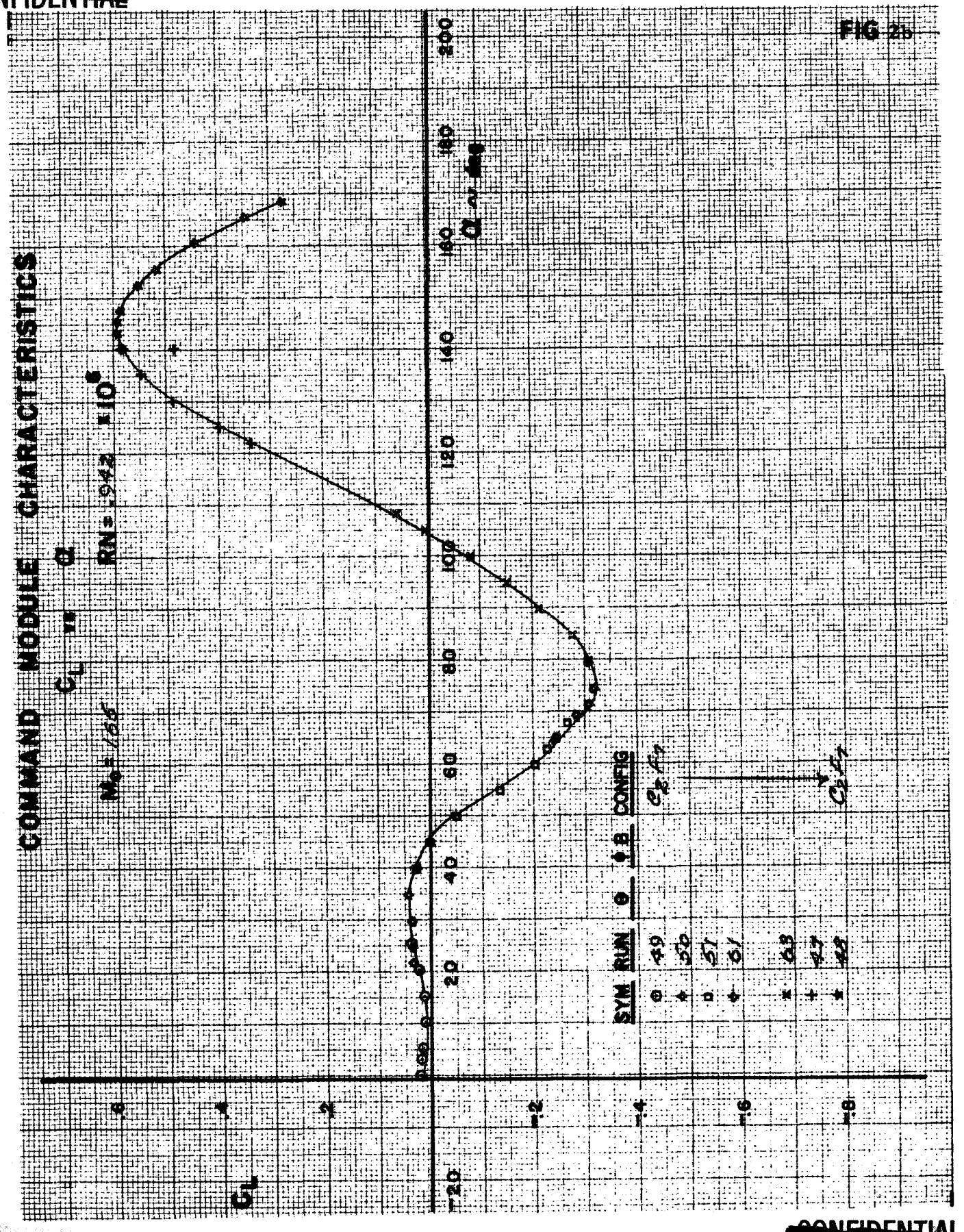


FIG 2a

[redacted]

[redacted]

FIG 2b



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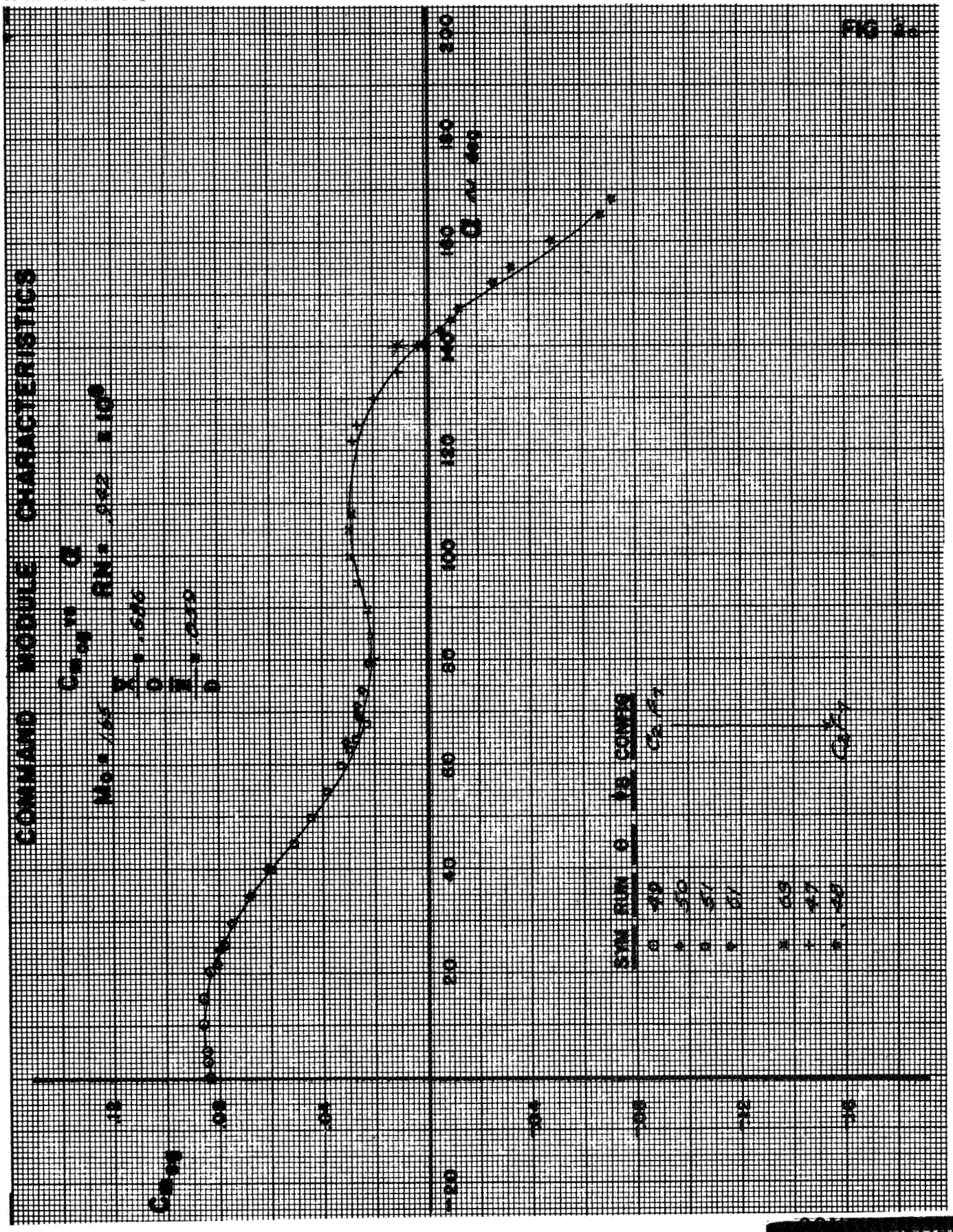

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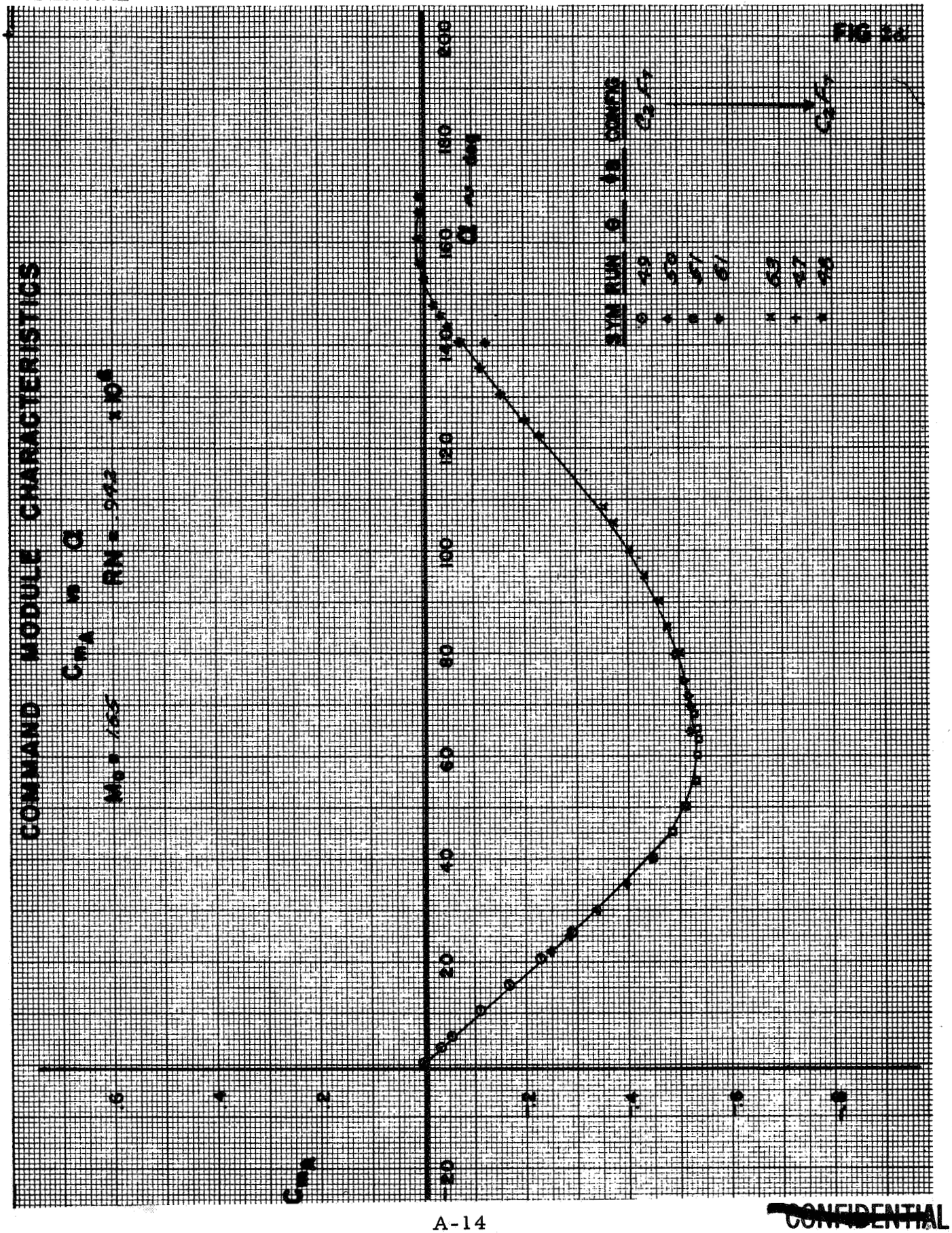

FIG 2a

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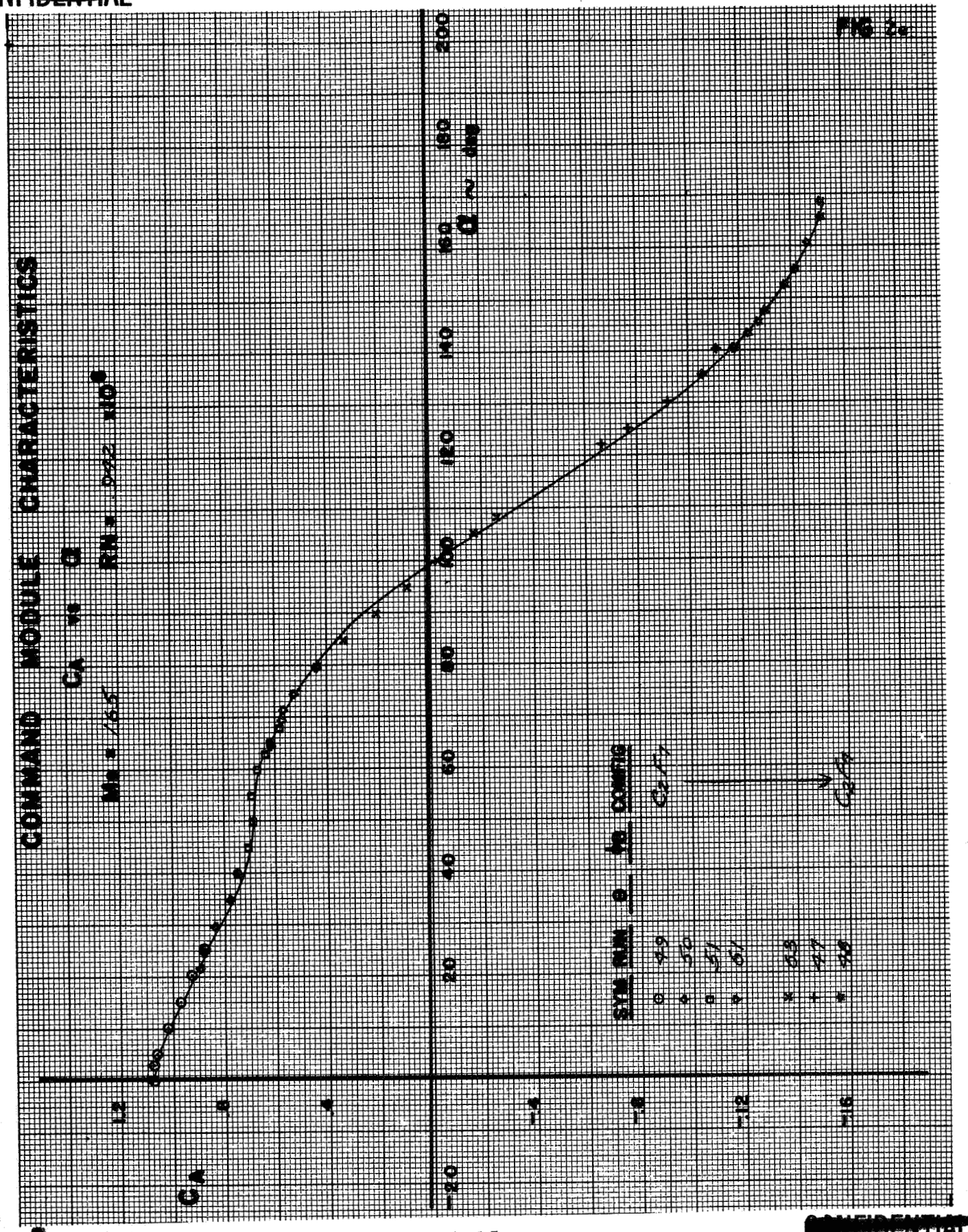

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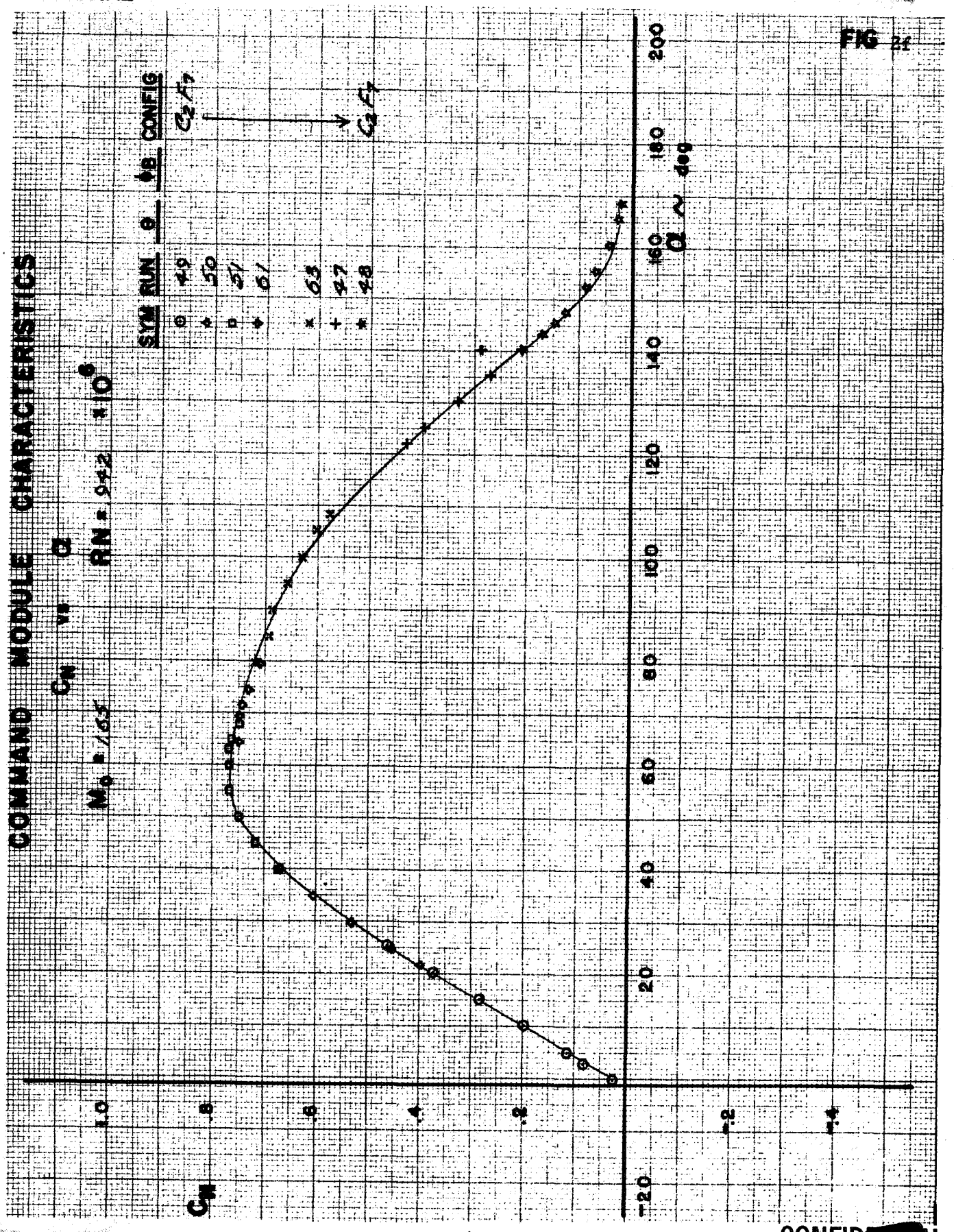

FIG 21

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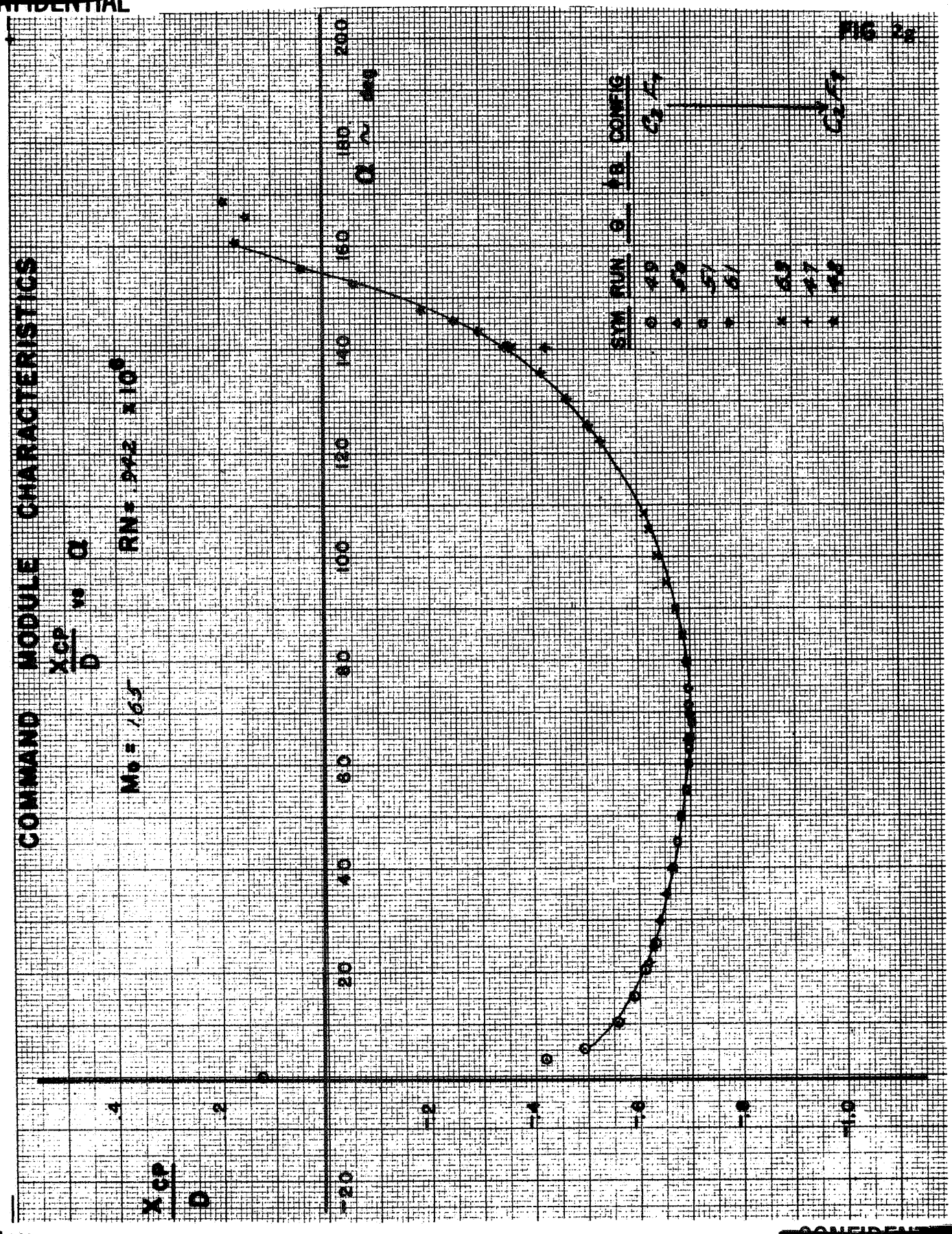

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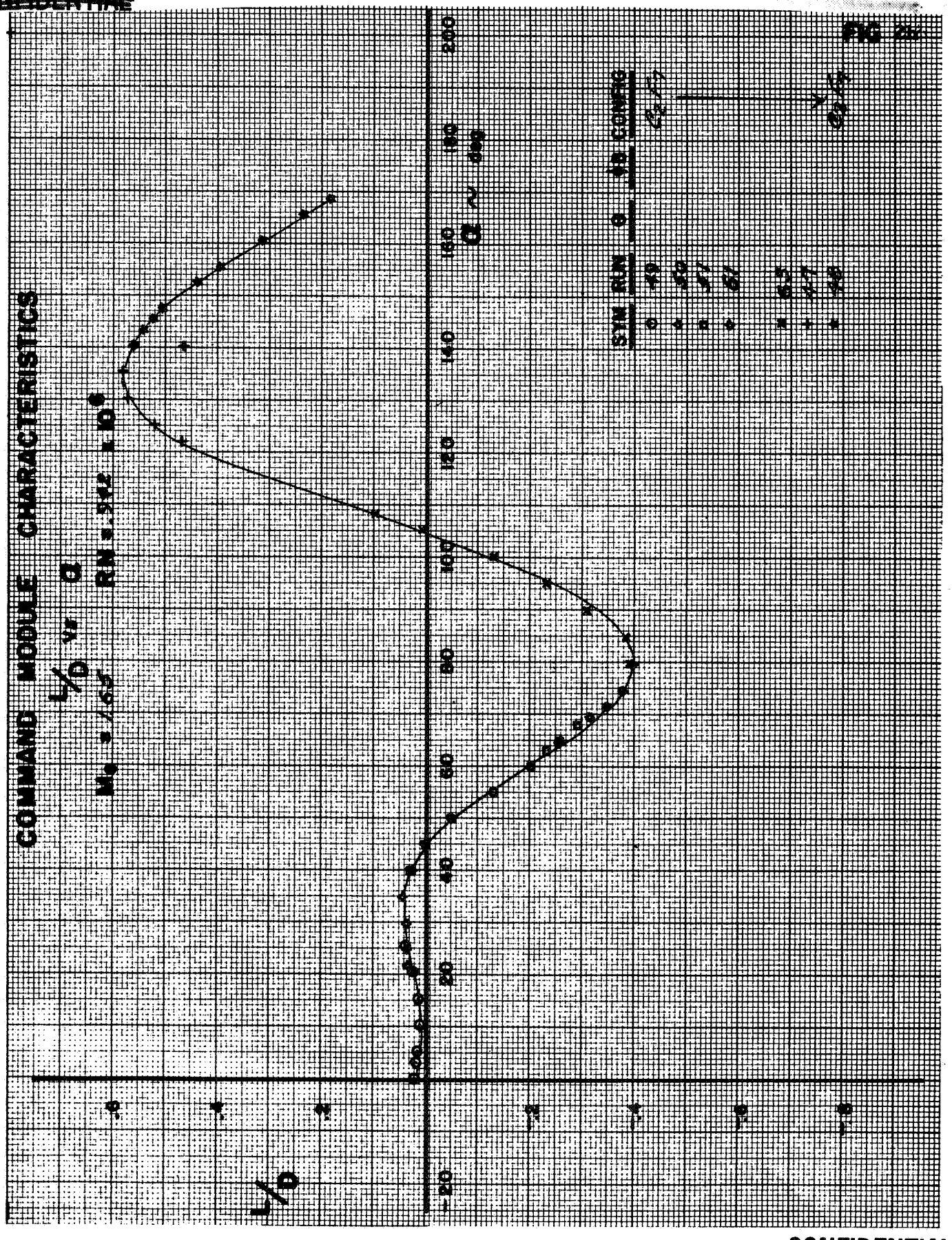

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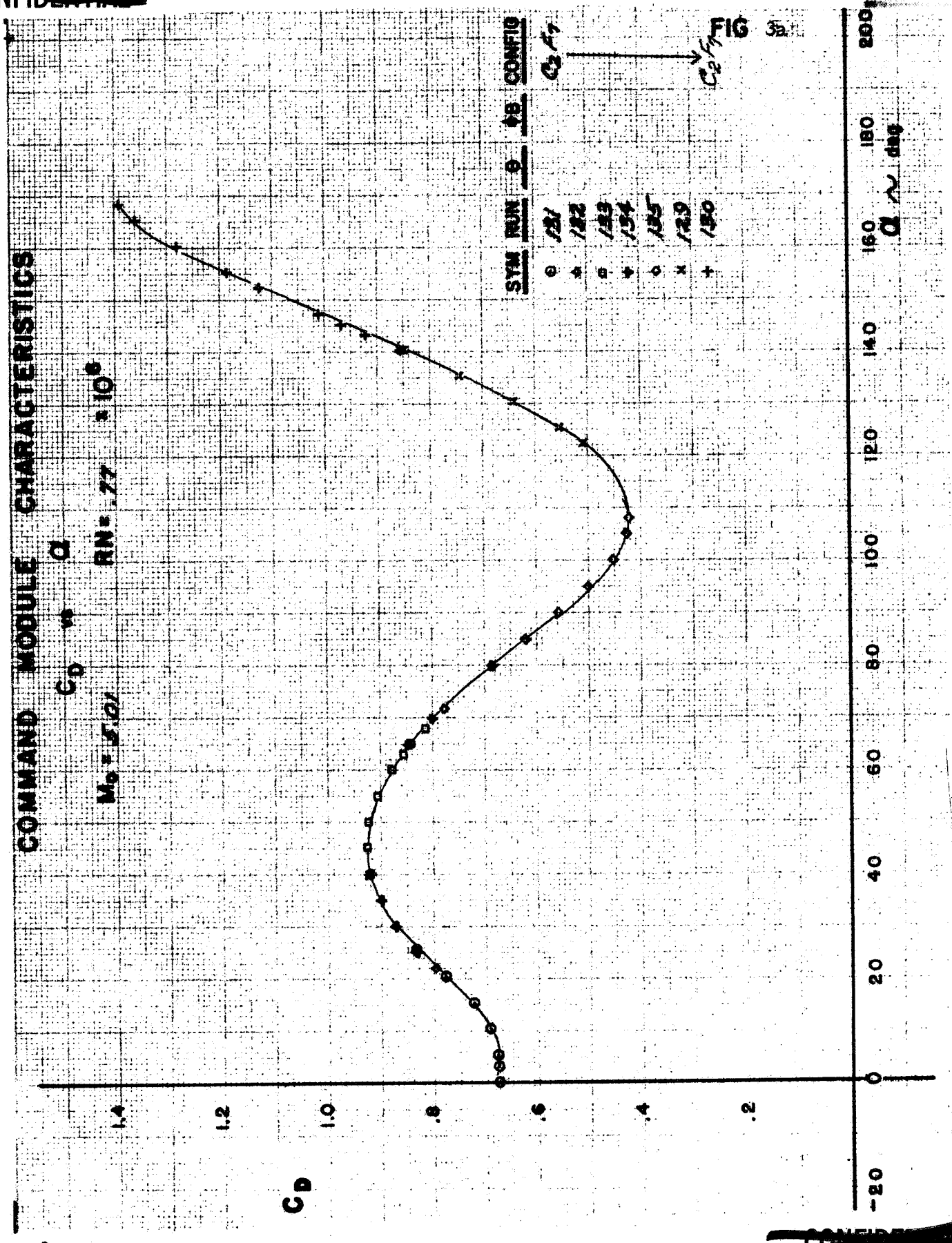

FIG 3a

[redacted]

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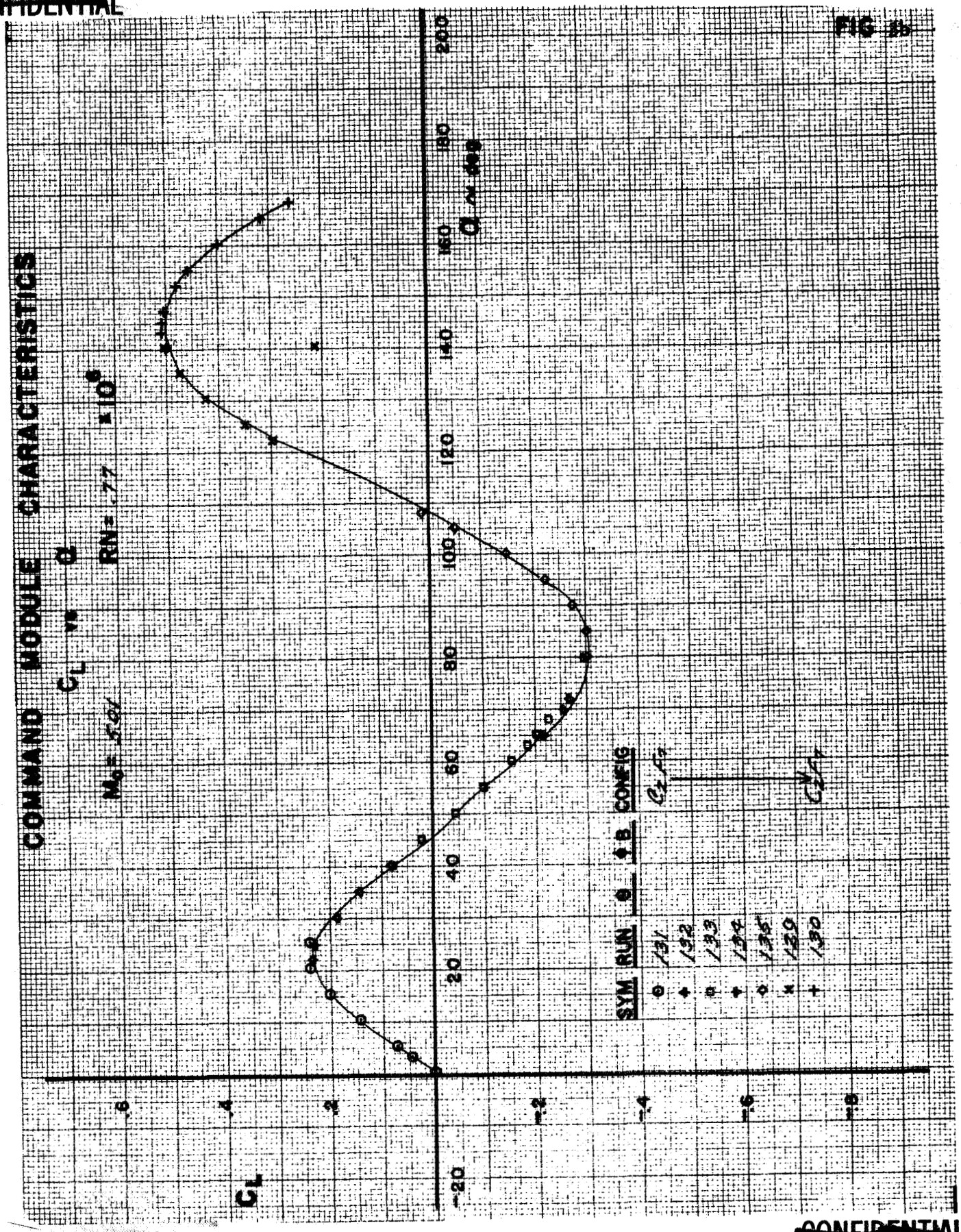
FIG 3b



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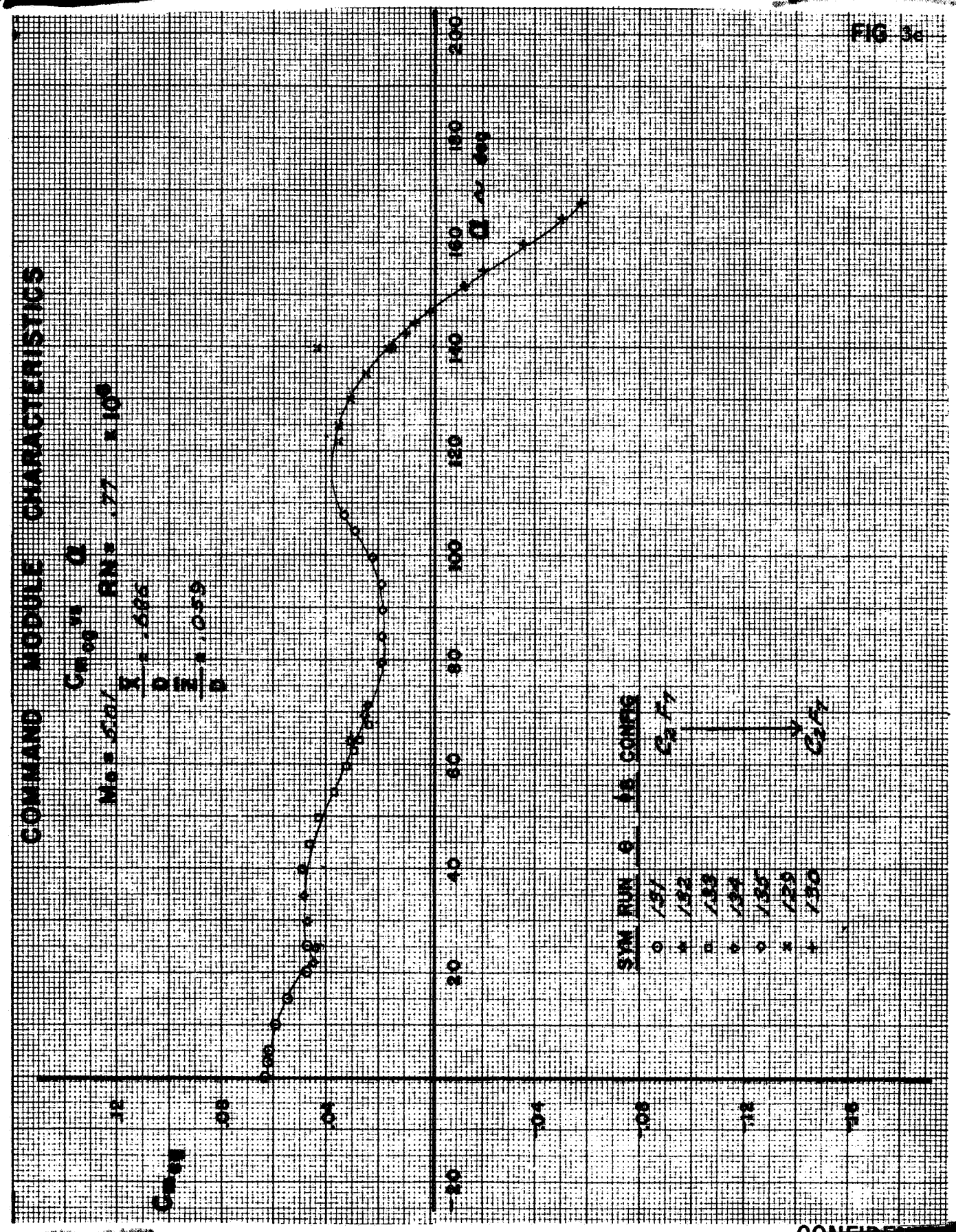
[redacted]

FIG. 3e



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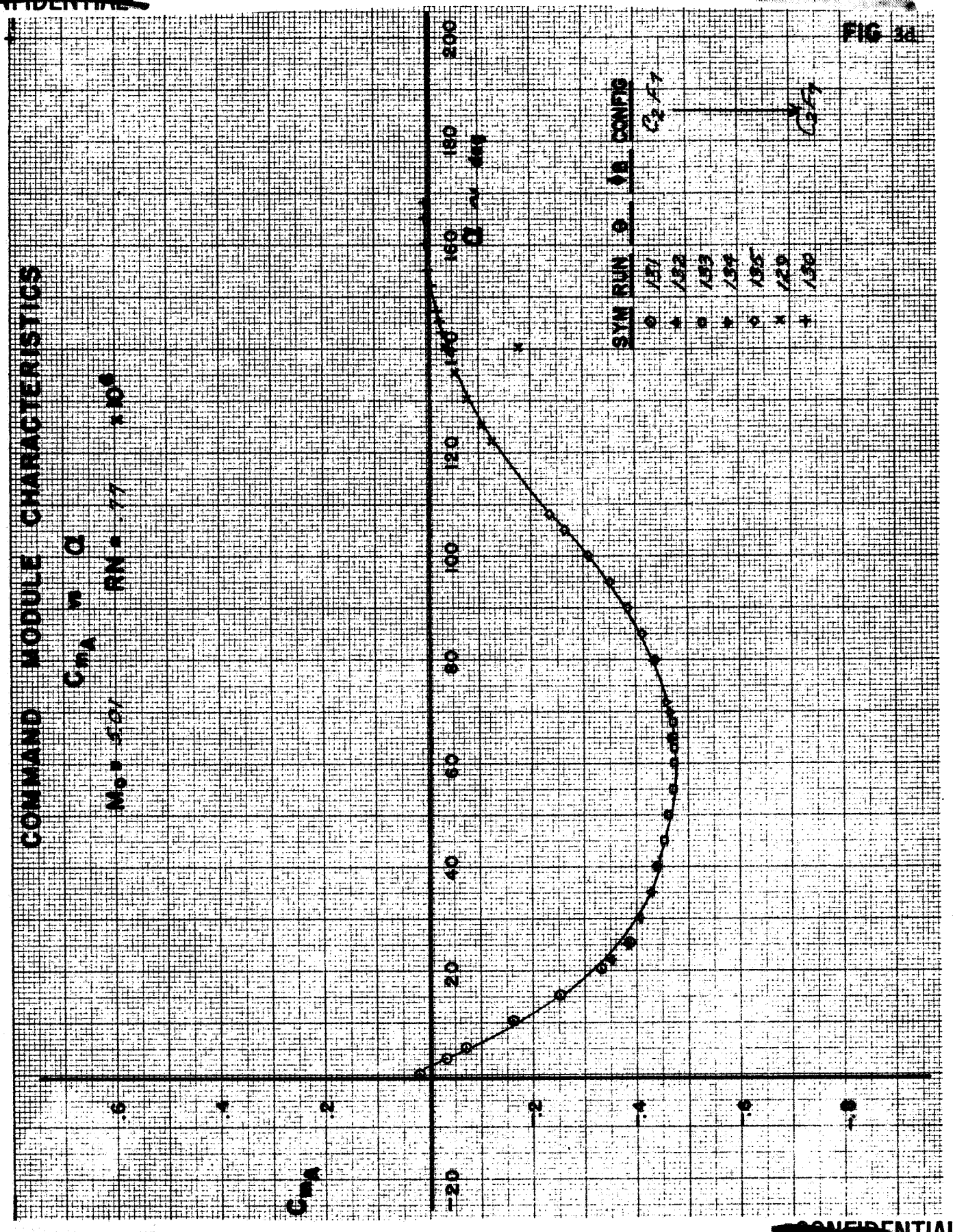

FIG 3d

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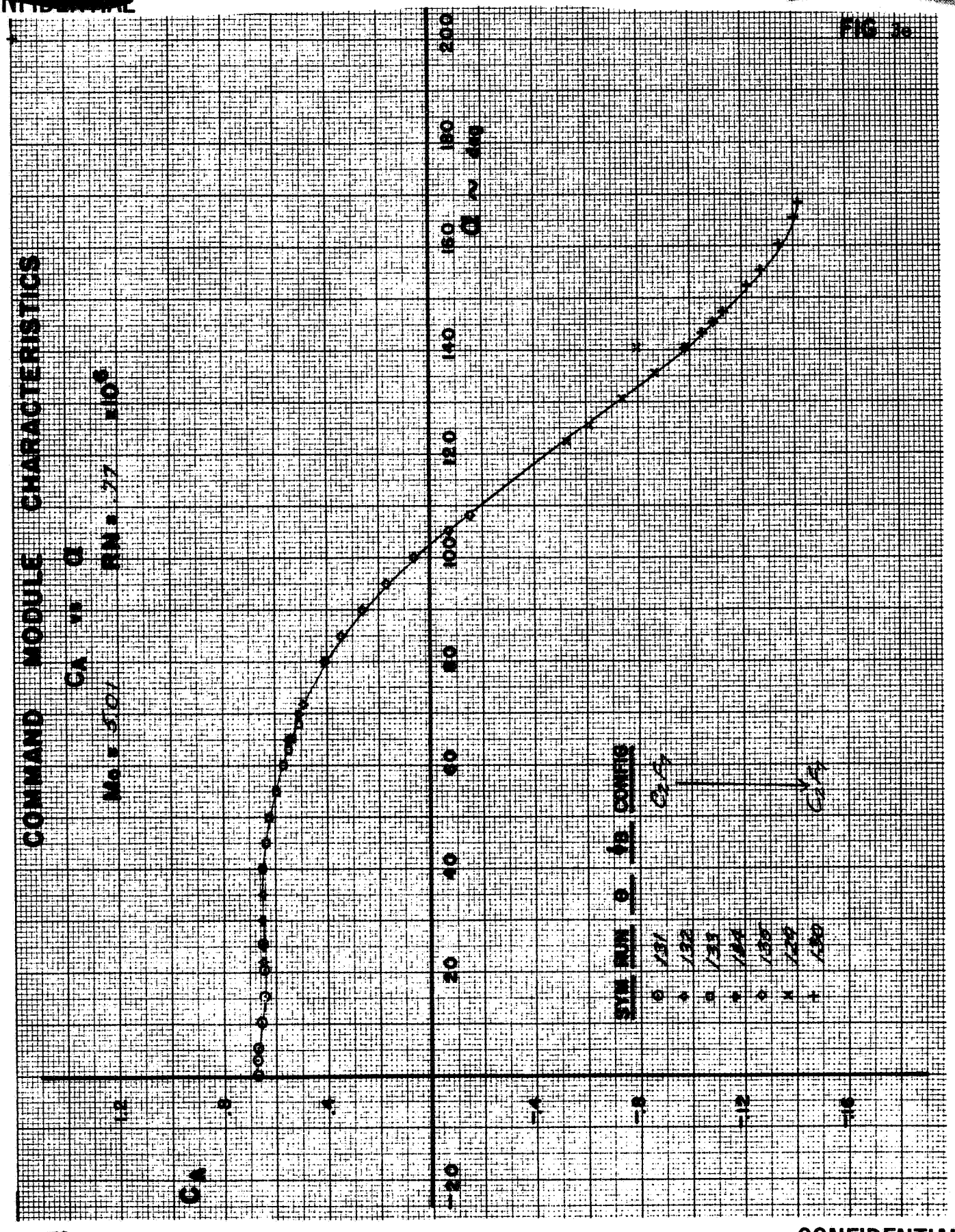
FIG 3e



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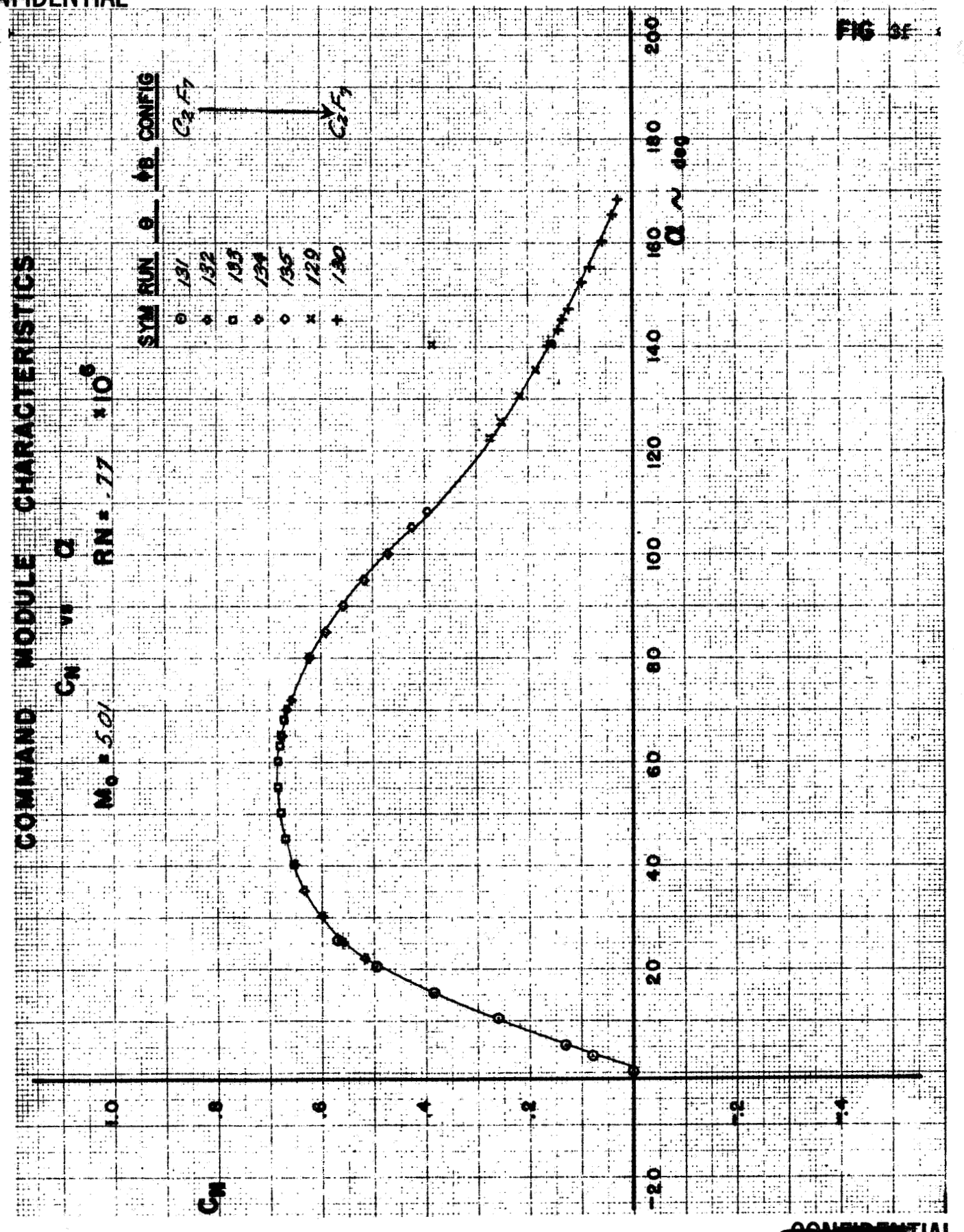

FIG 3f

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FIG 3g

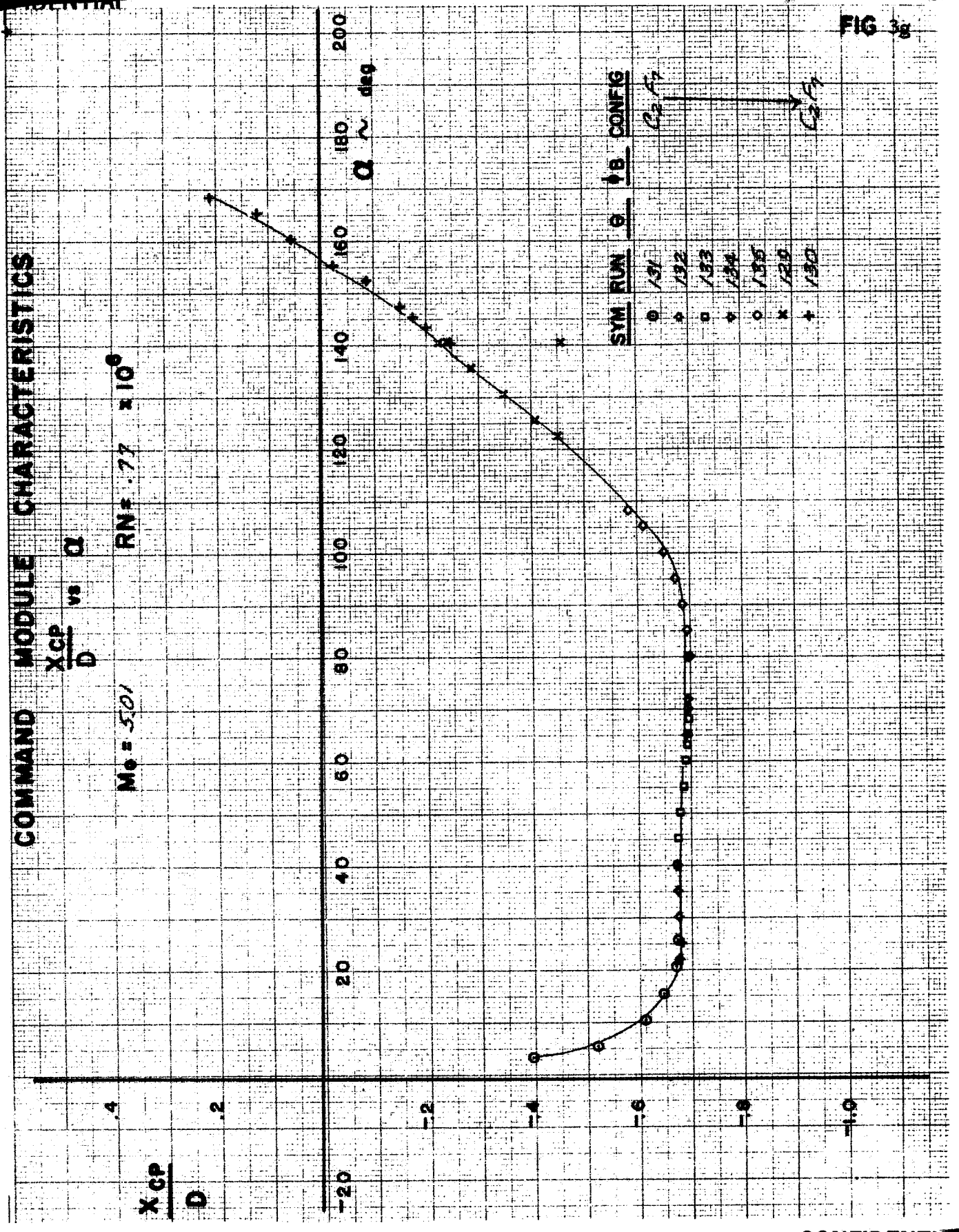

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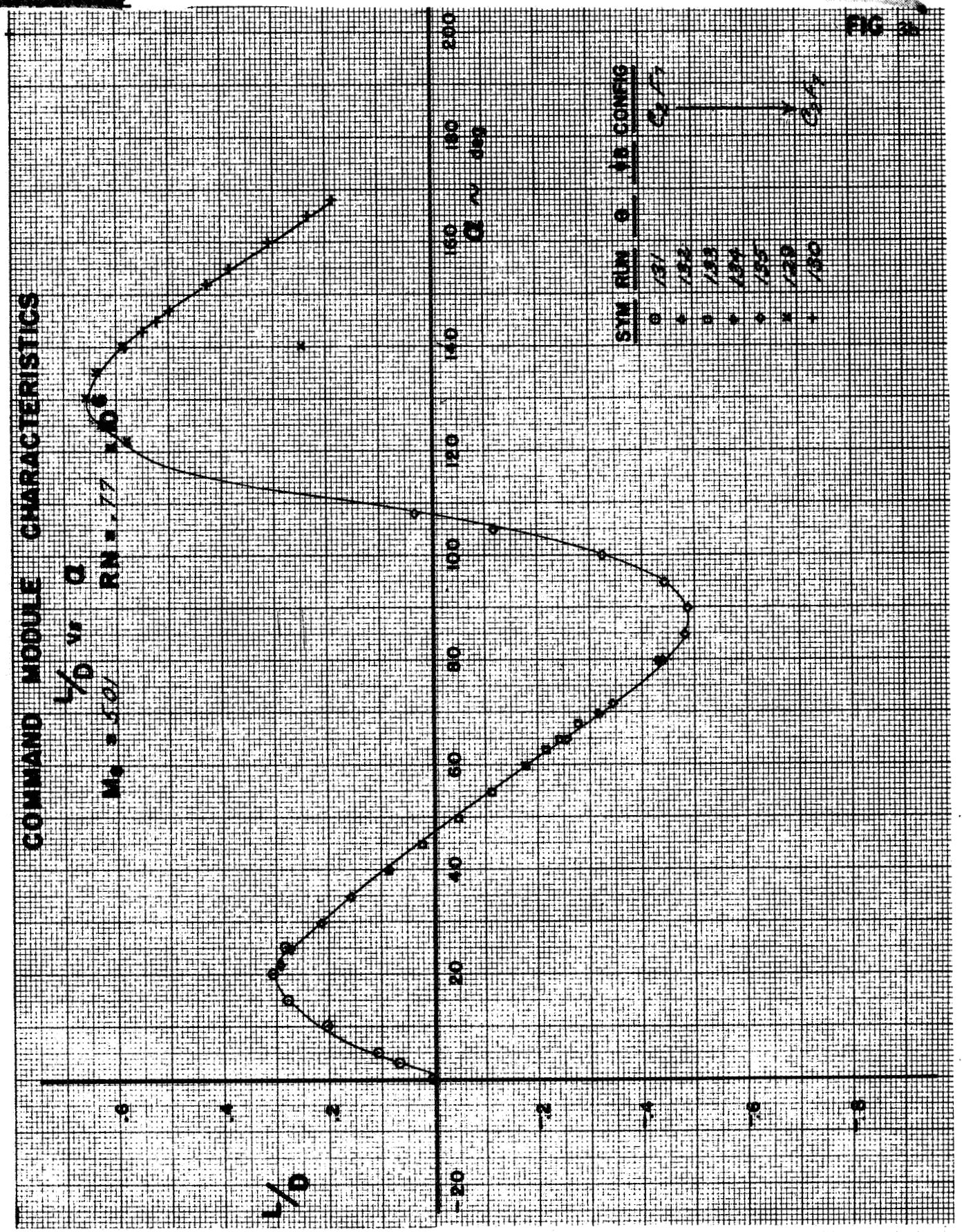
FIG 2



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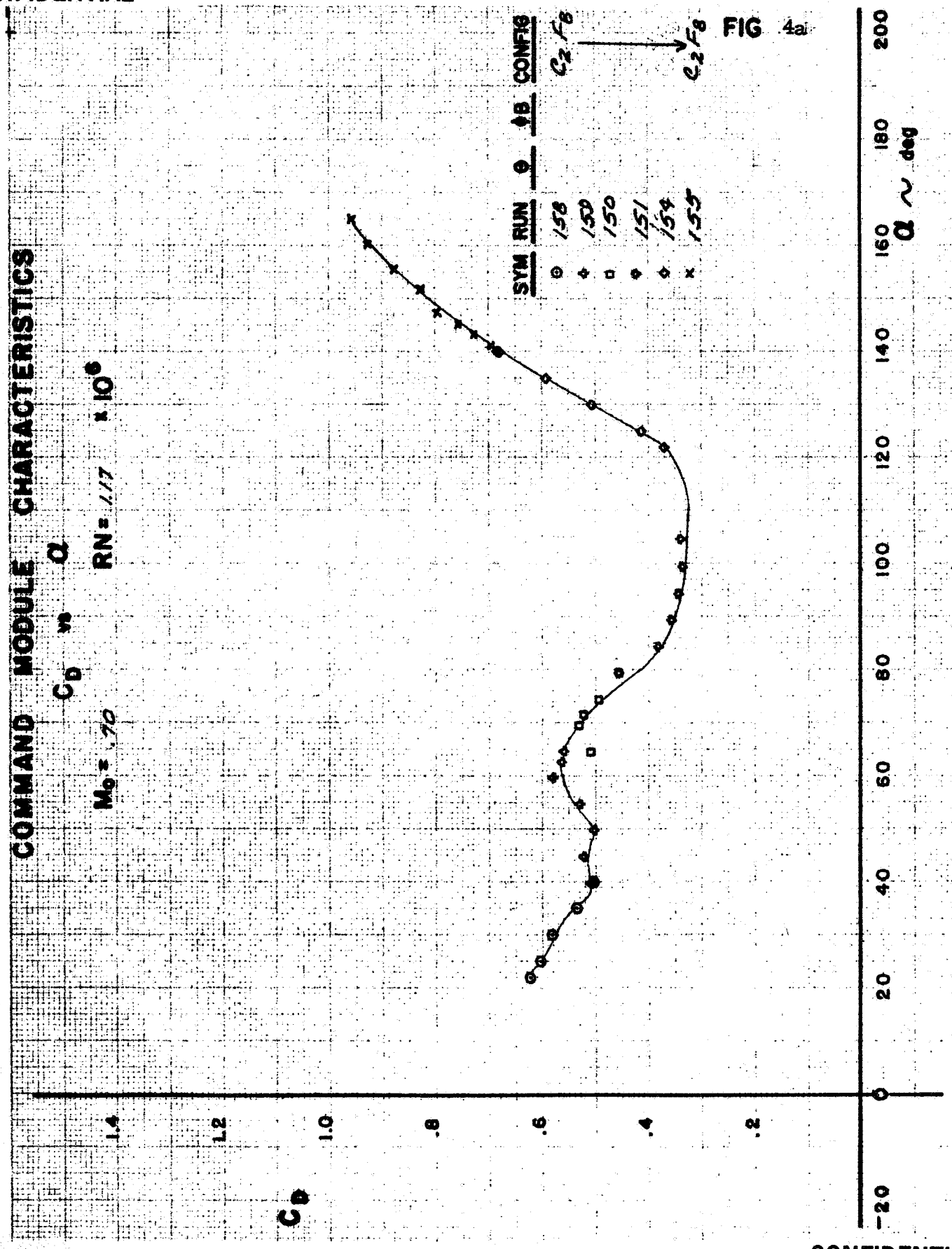

FIG 4a

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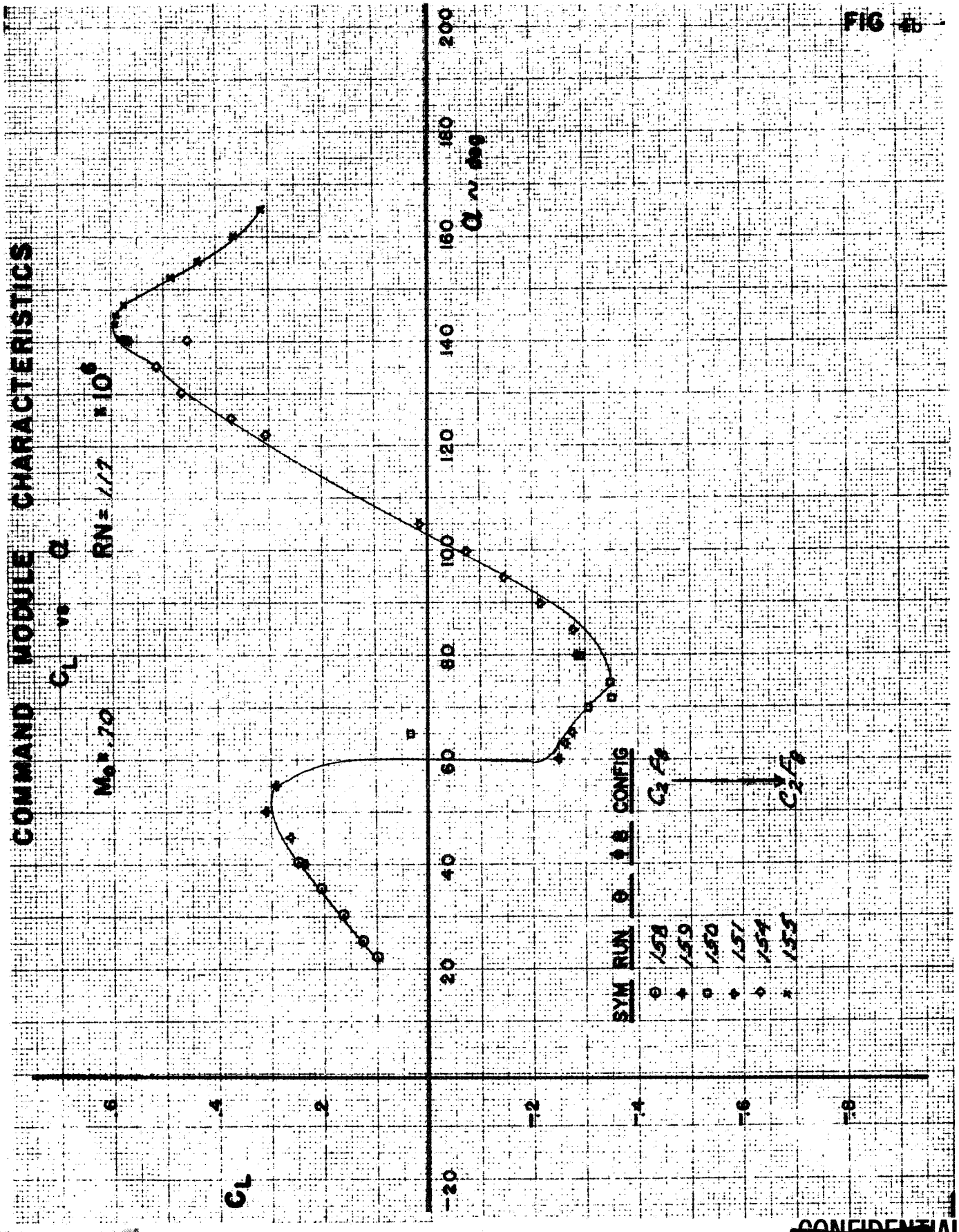
FIG 4b



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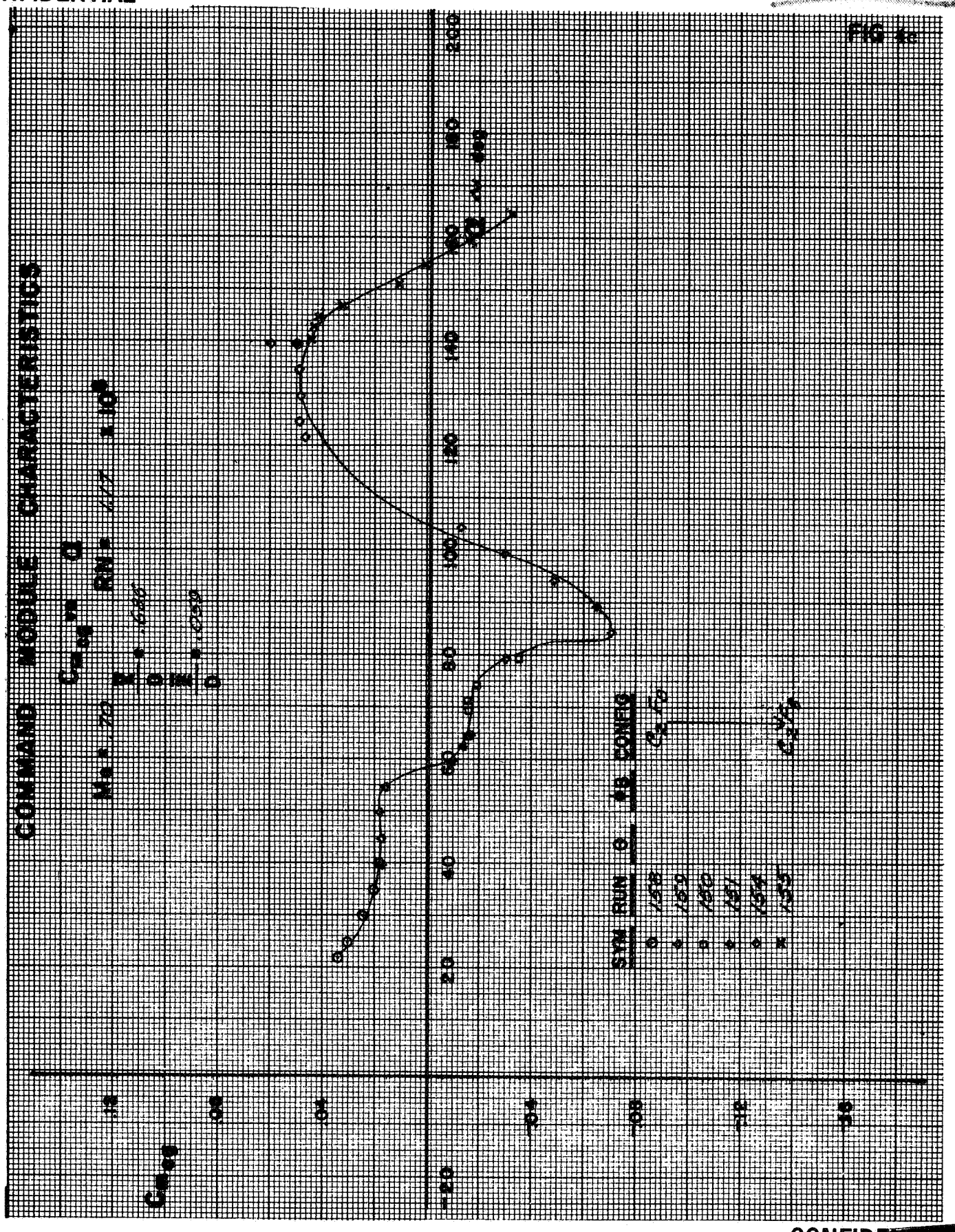

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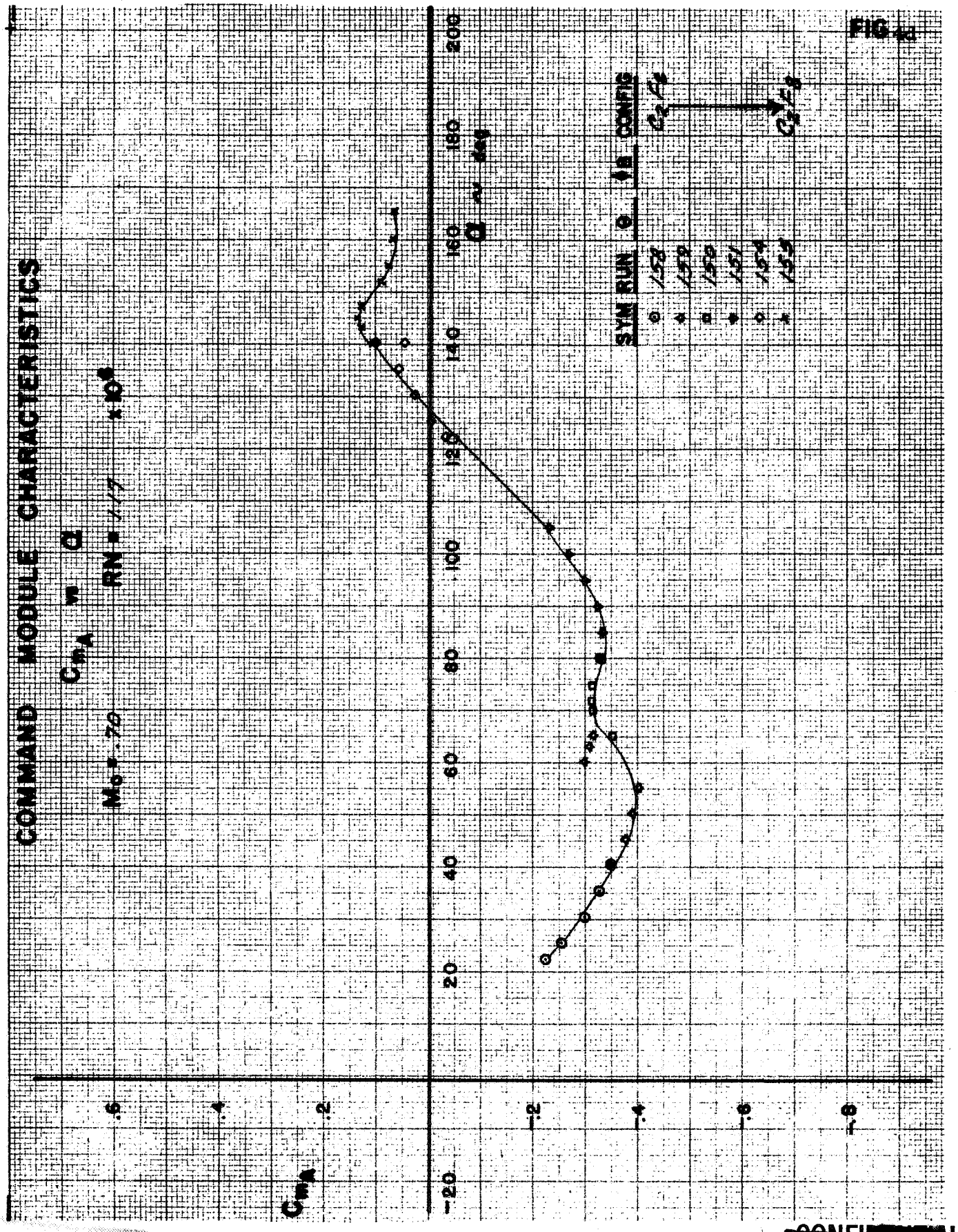

FIG 4d

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CONFIDENTIAL

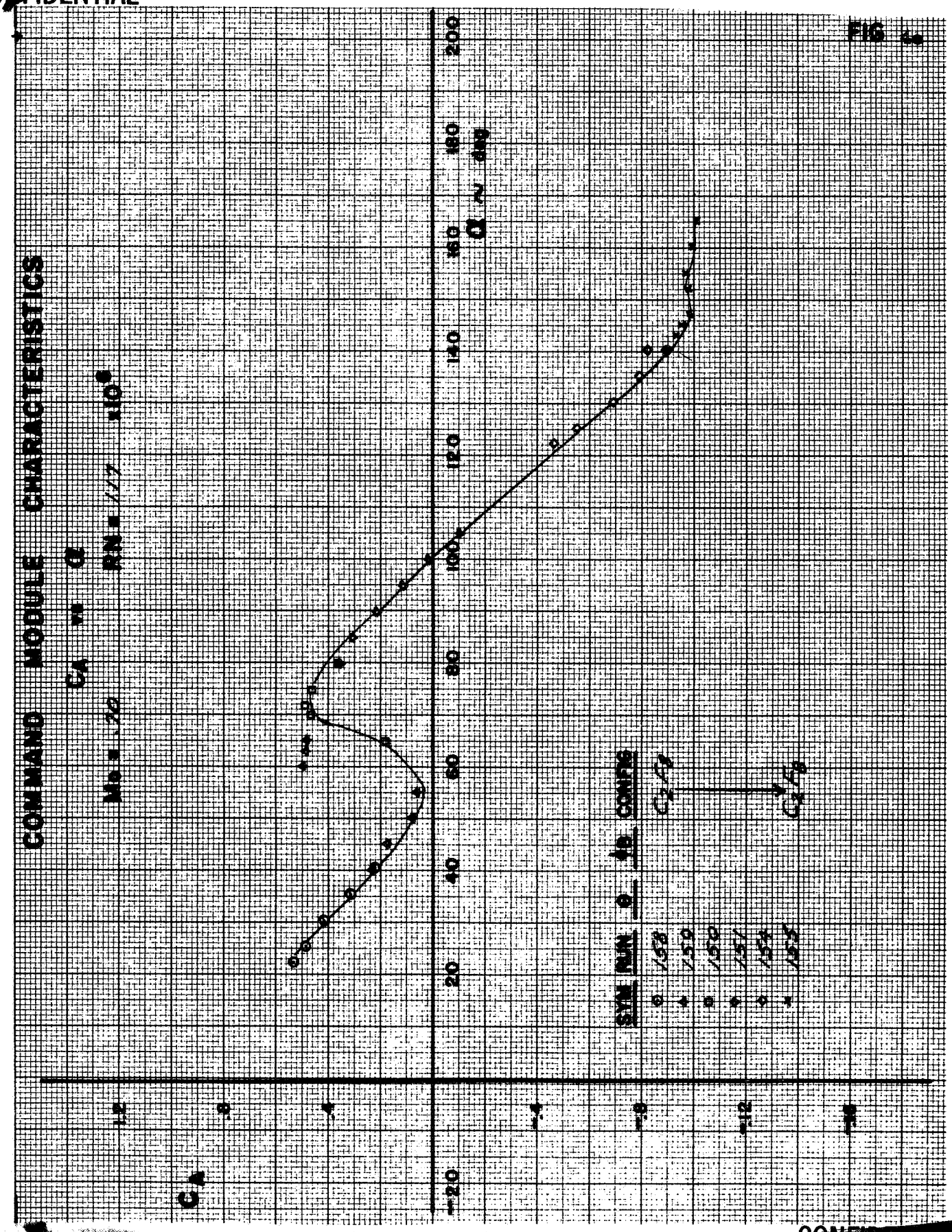

FIG 4

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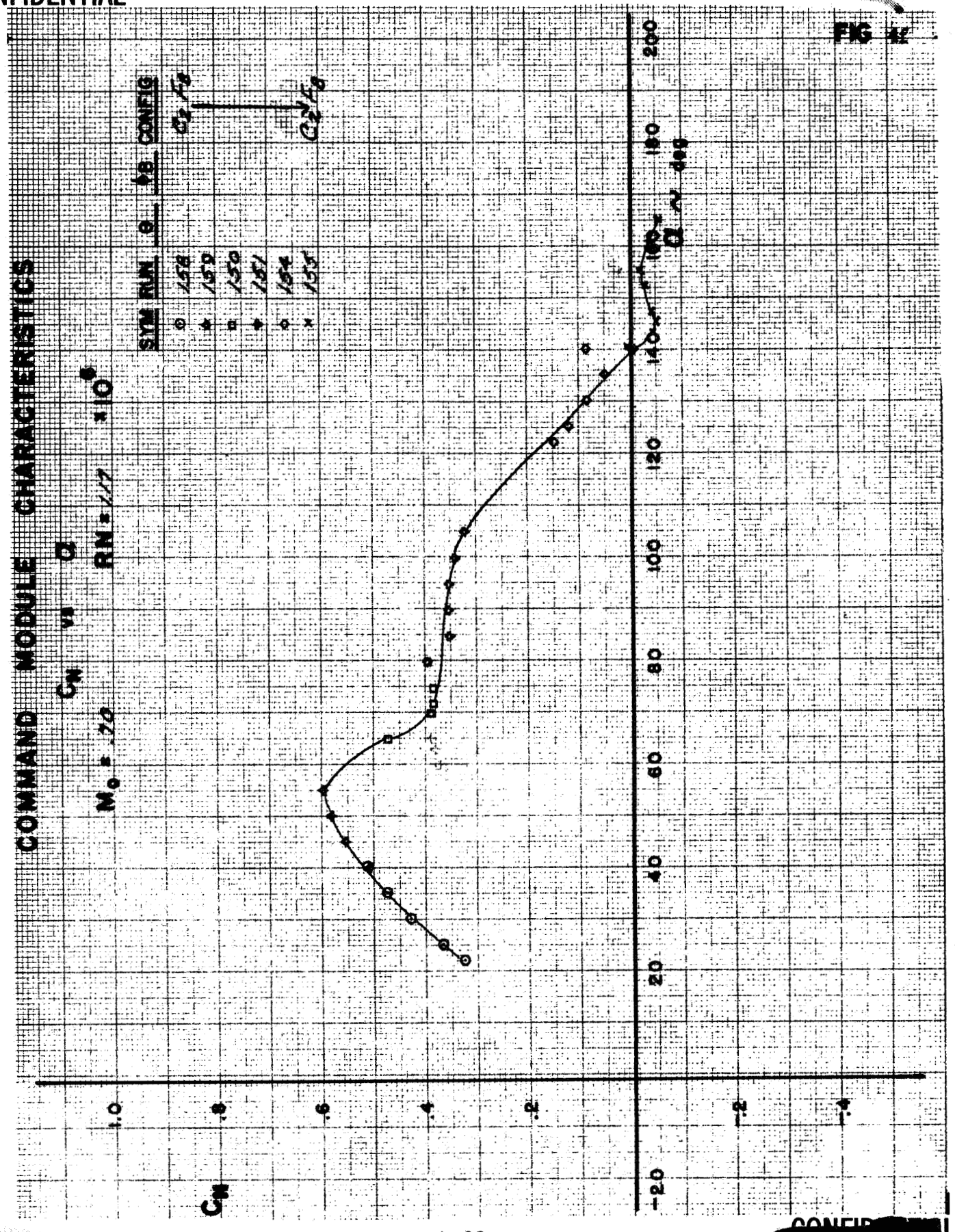

FIG

~~CONFIDENTIAL~~

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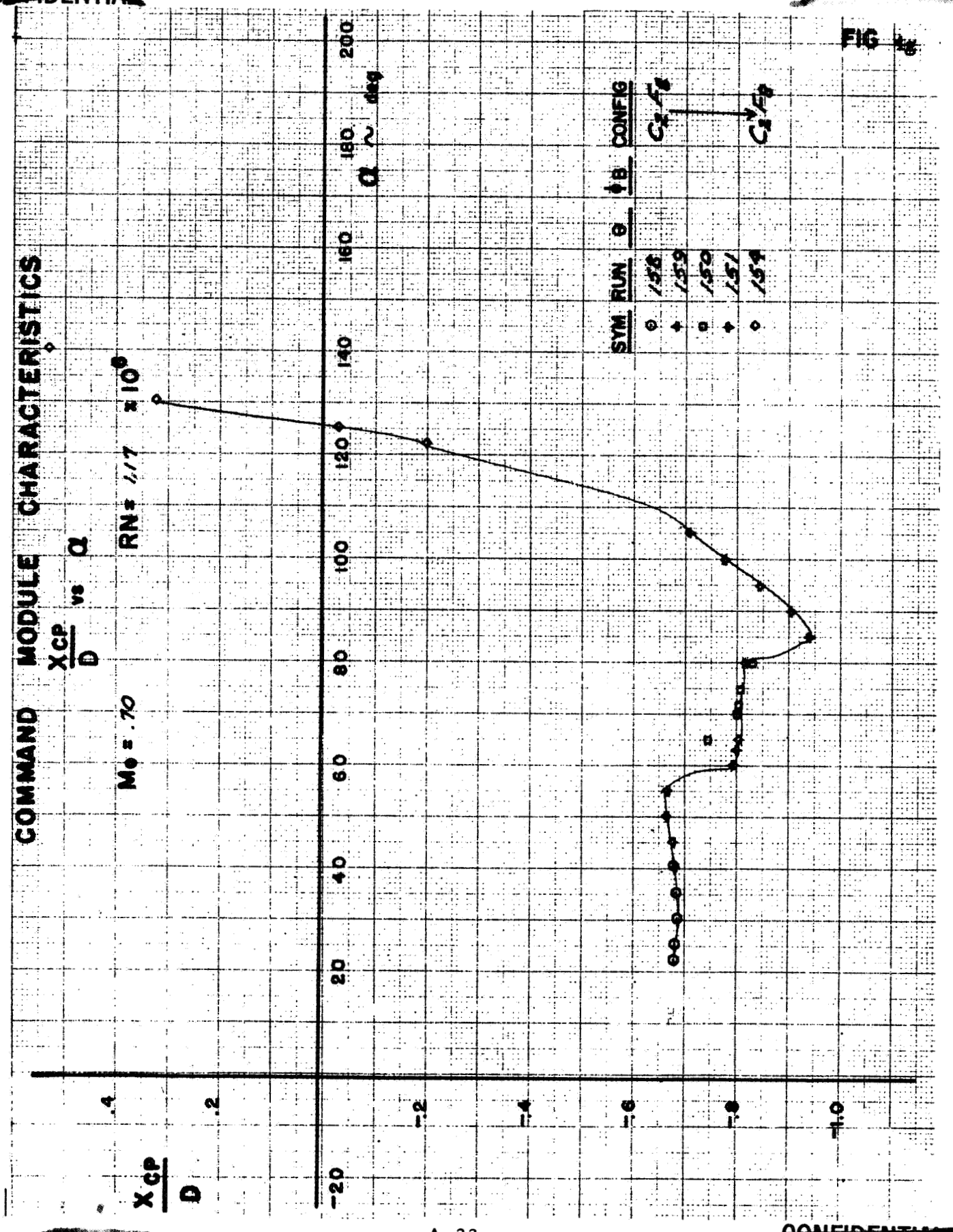

FIG 4

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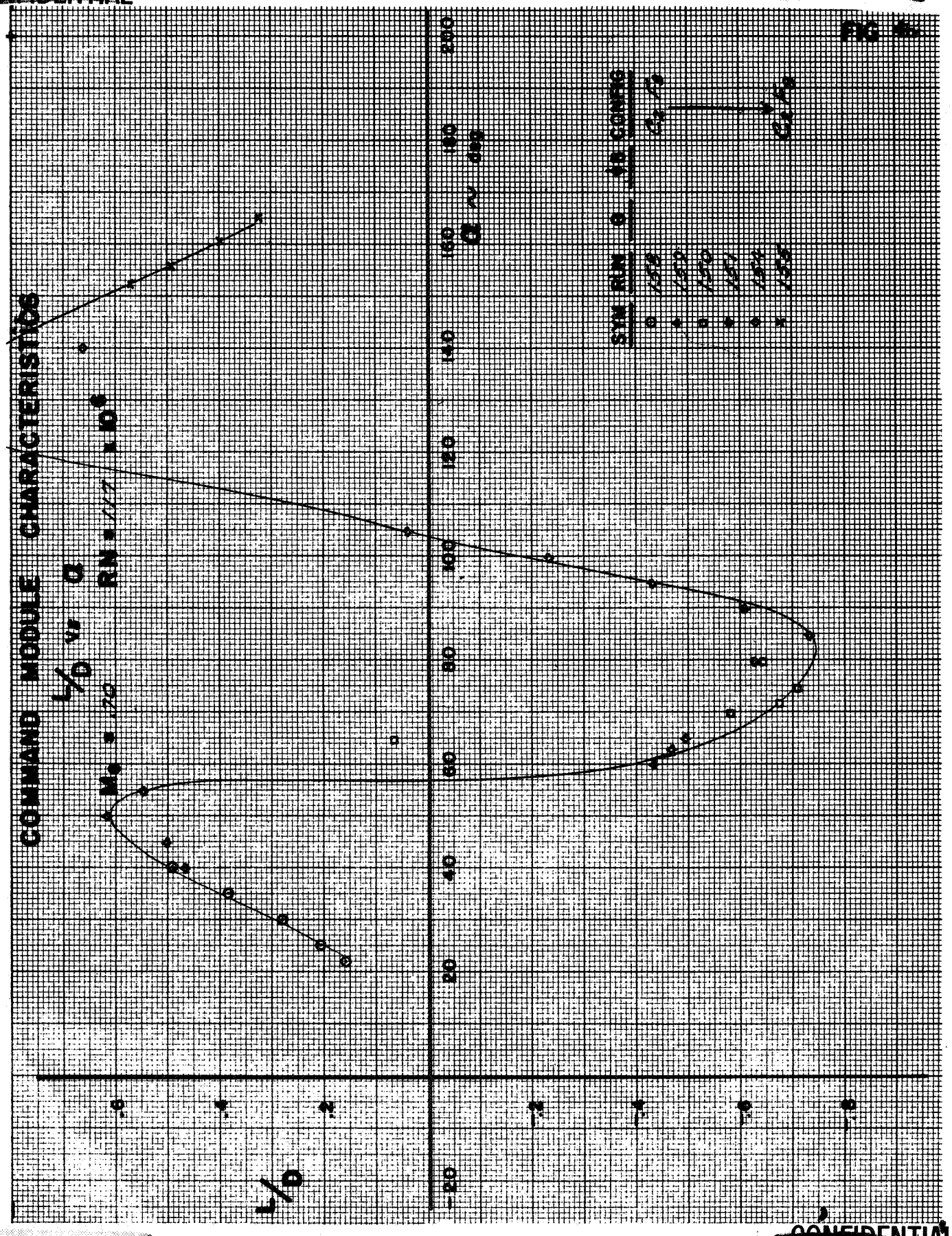

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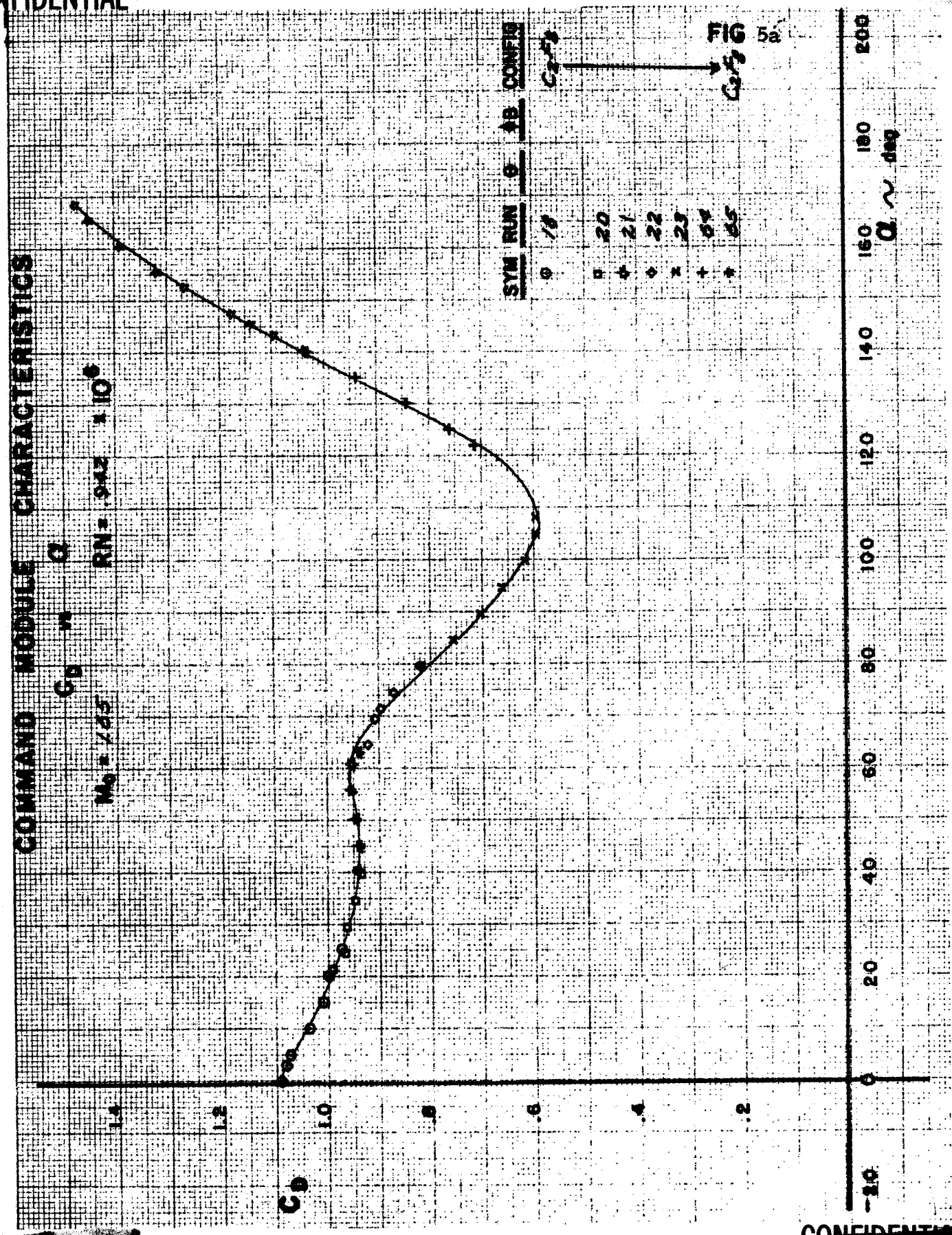

FIG 5a

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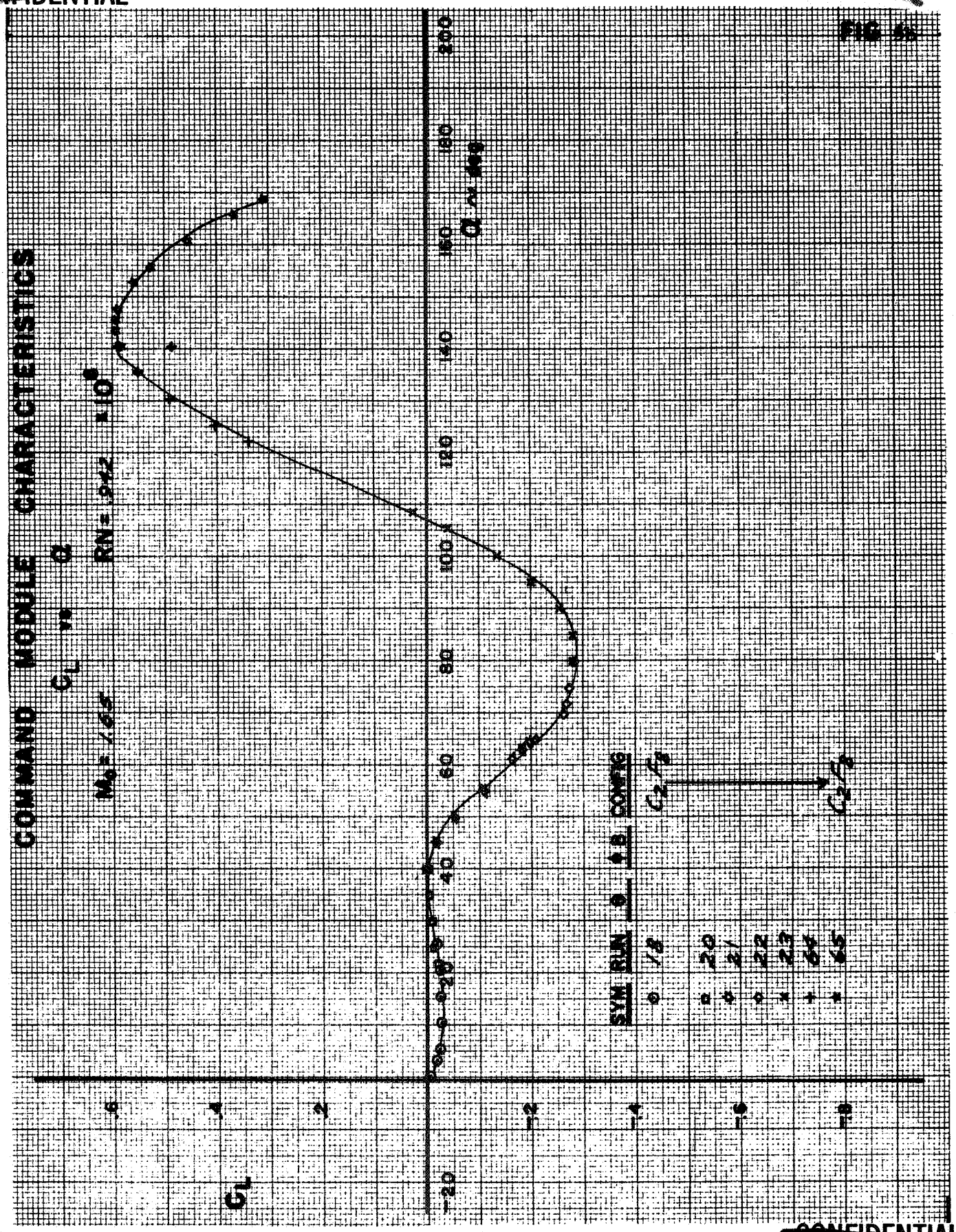

FIG 5b

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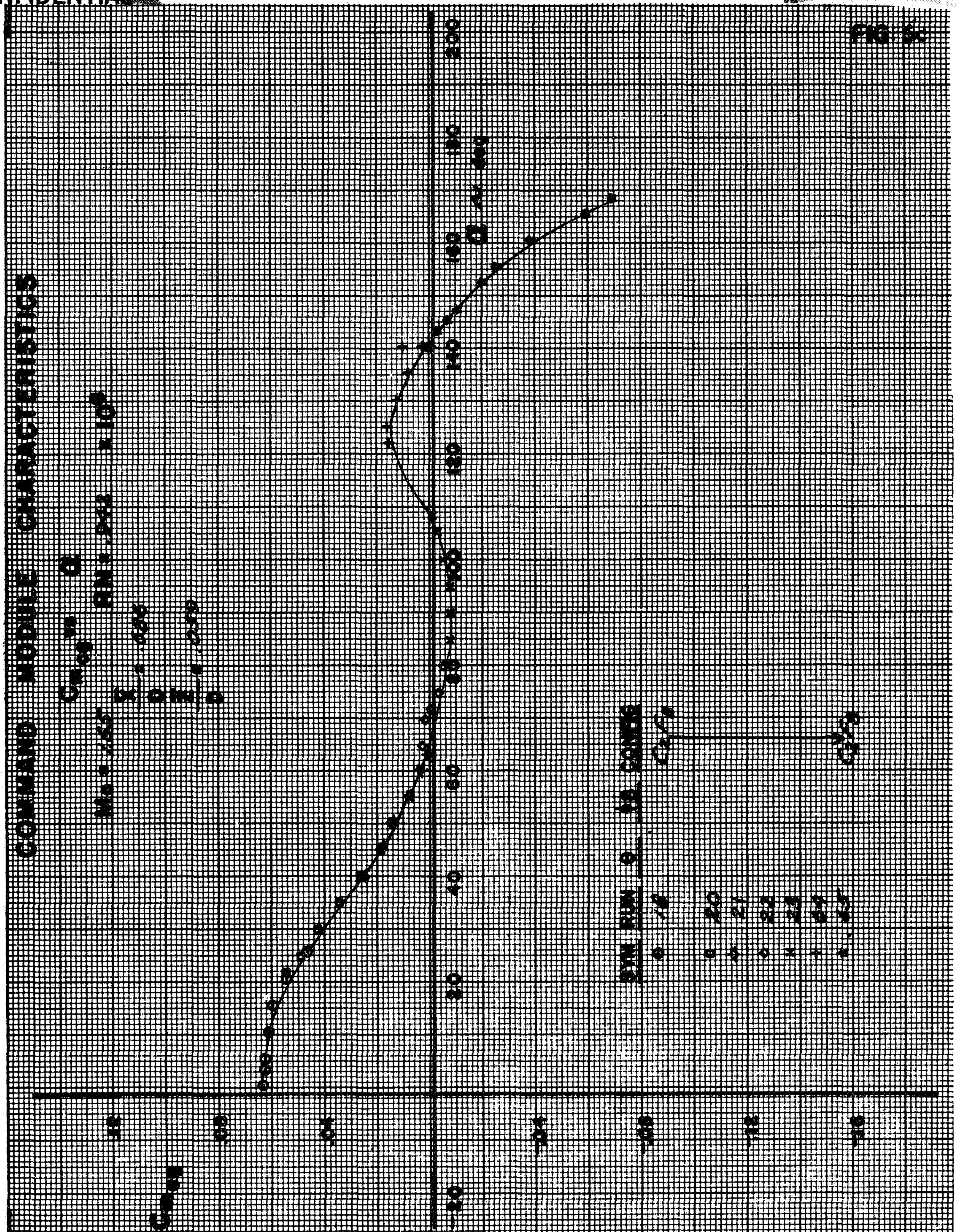
CONFIDENTIAL



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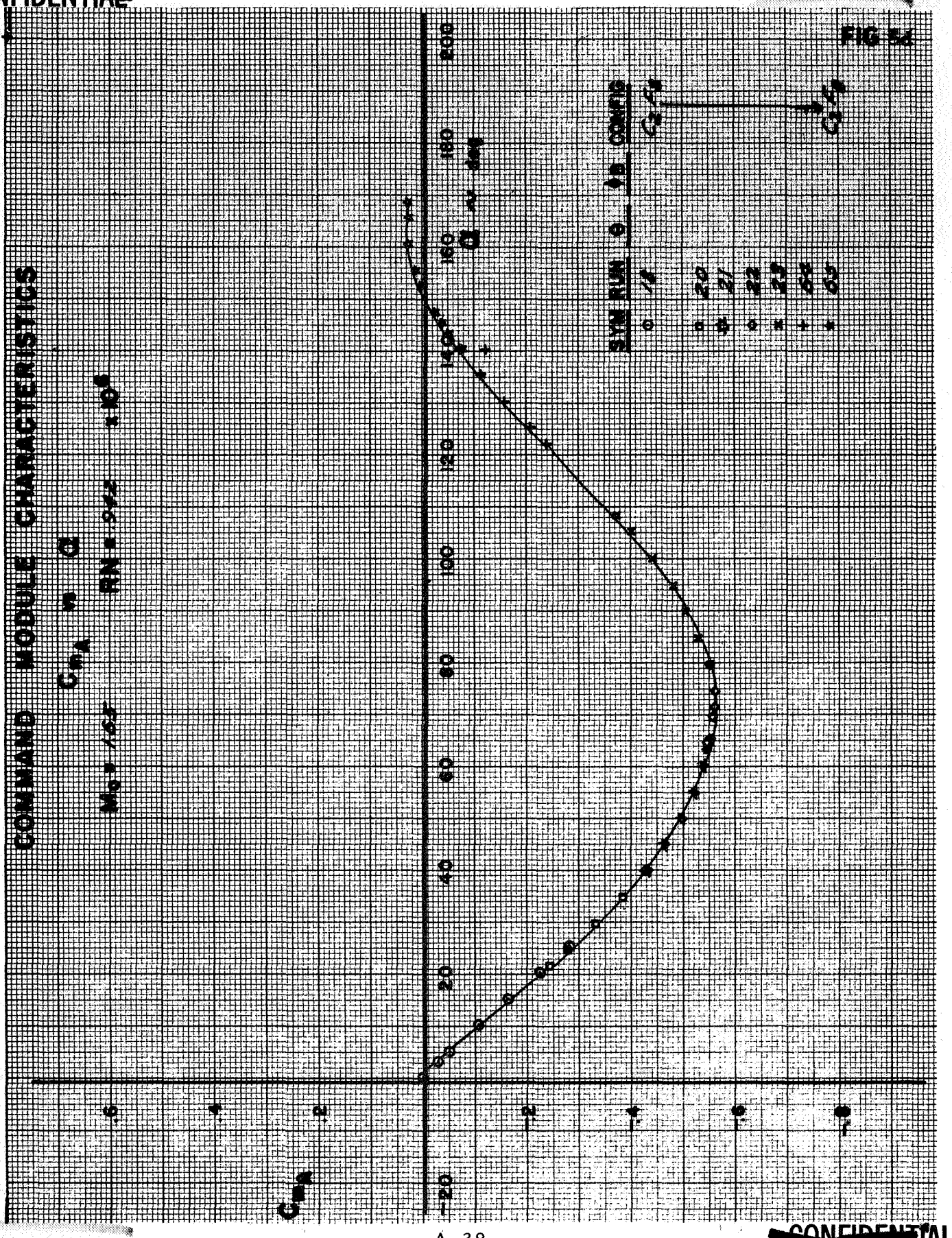

FIG 54

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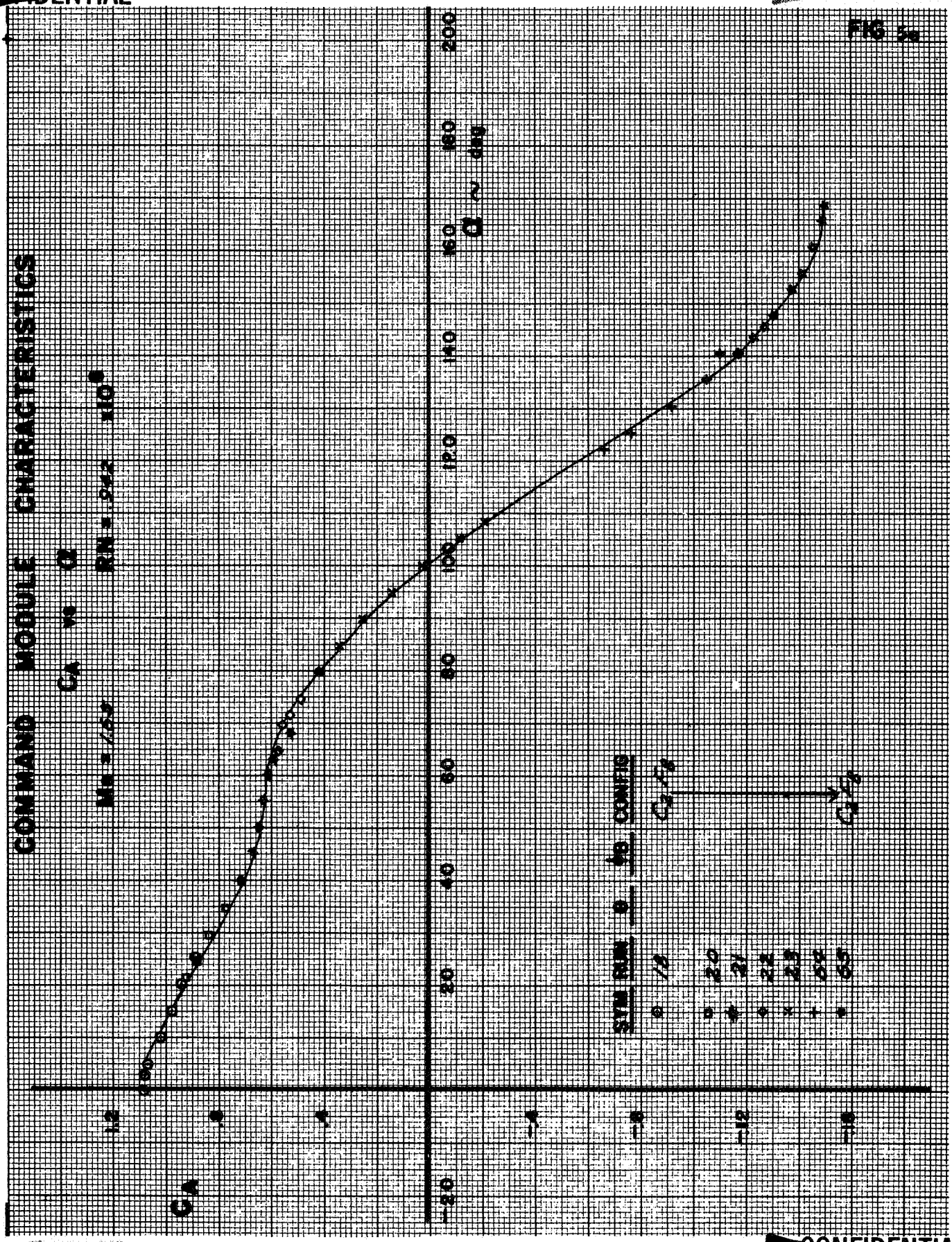
[redacted]

FIG 5a



[redacted]

~~CONFIDENTIAL~~

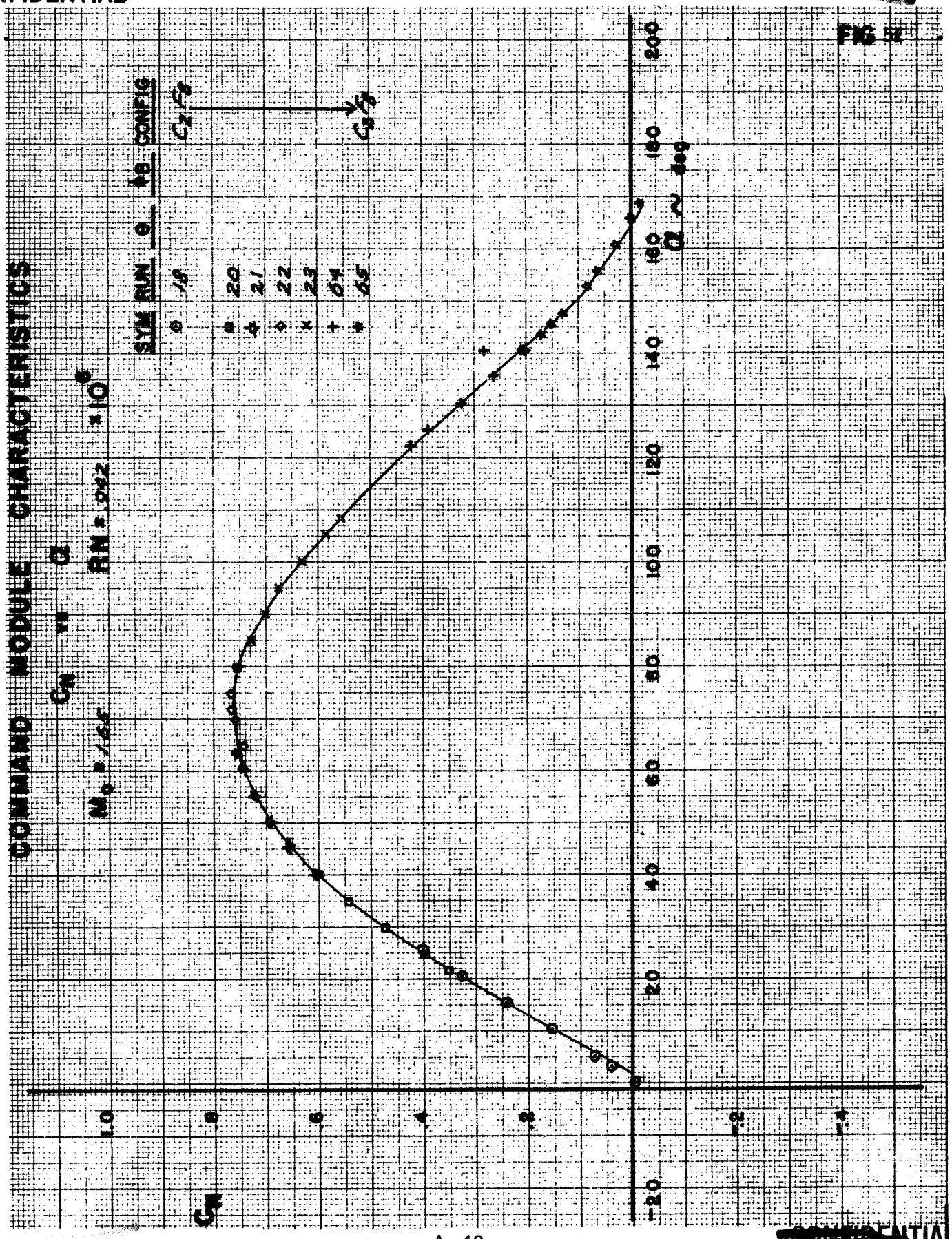


FIG 5E

~~CONFIDENTIAL~~

[redacted]

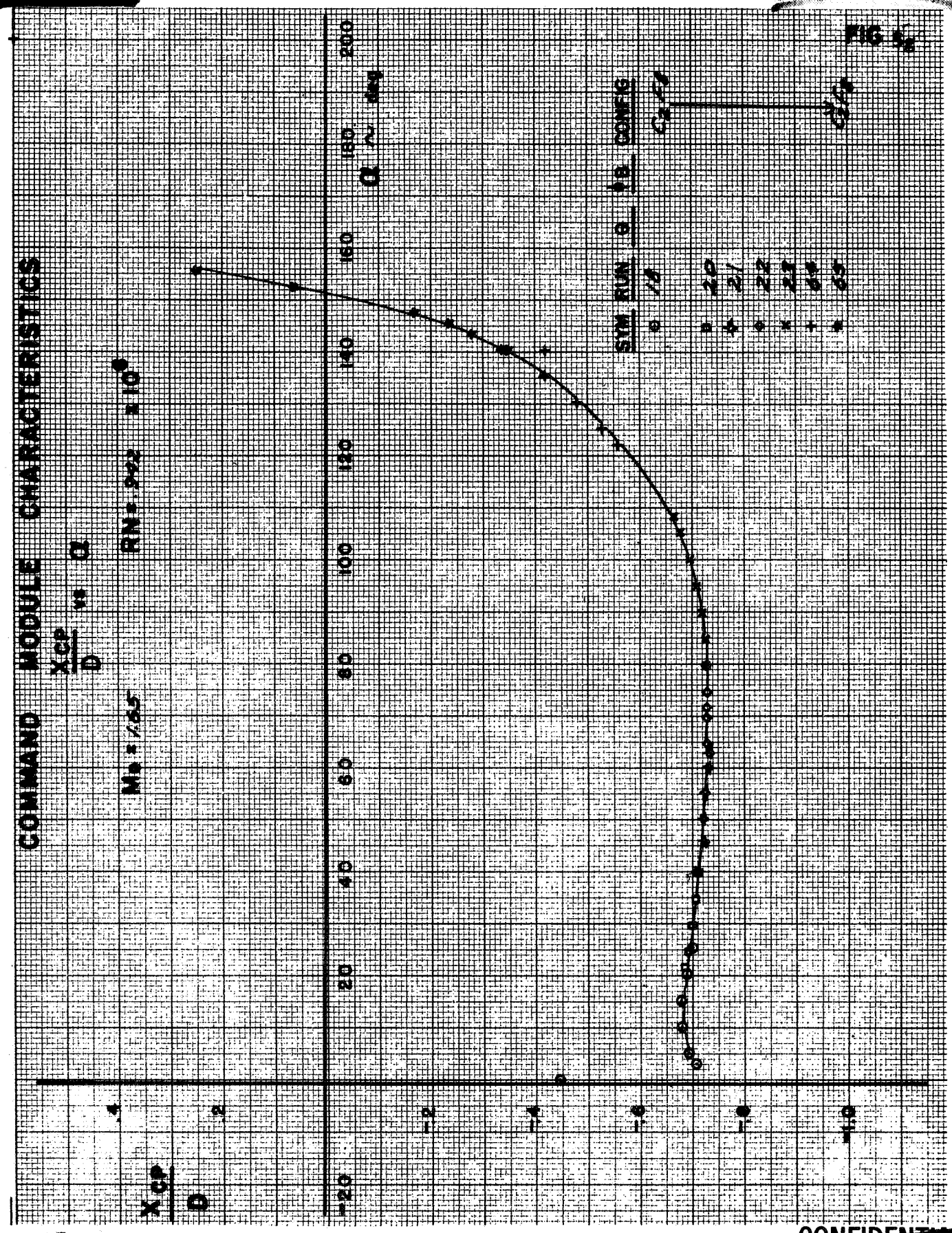


FIG 5

[redacted]

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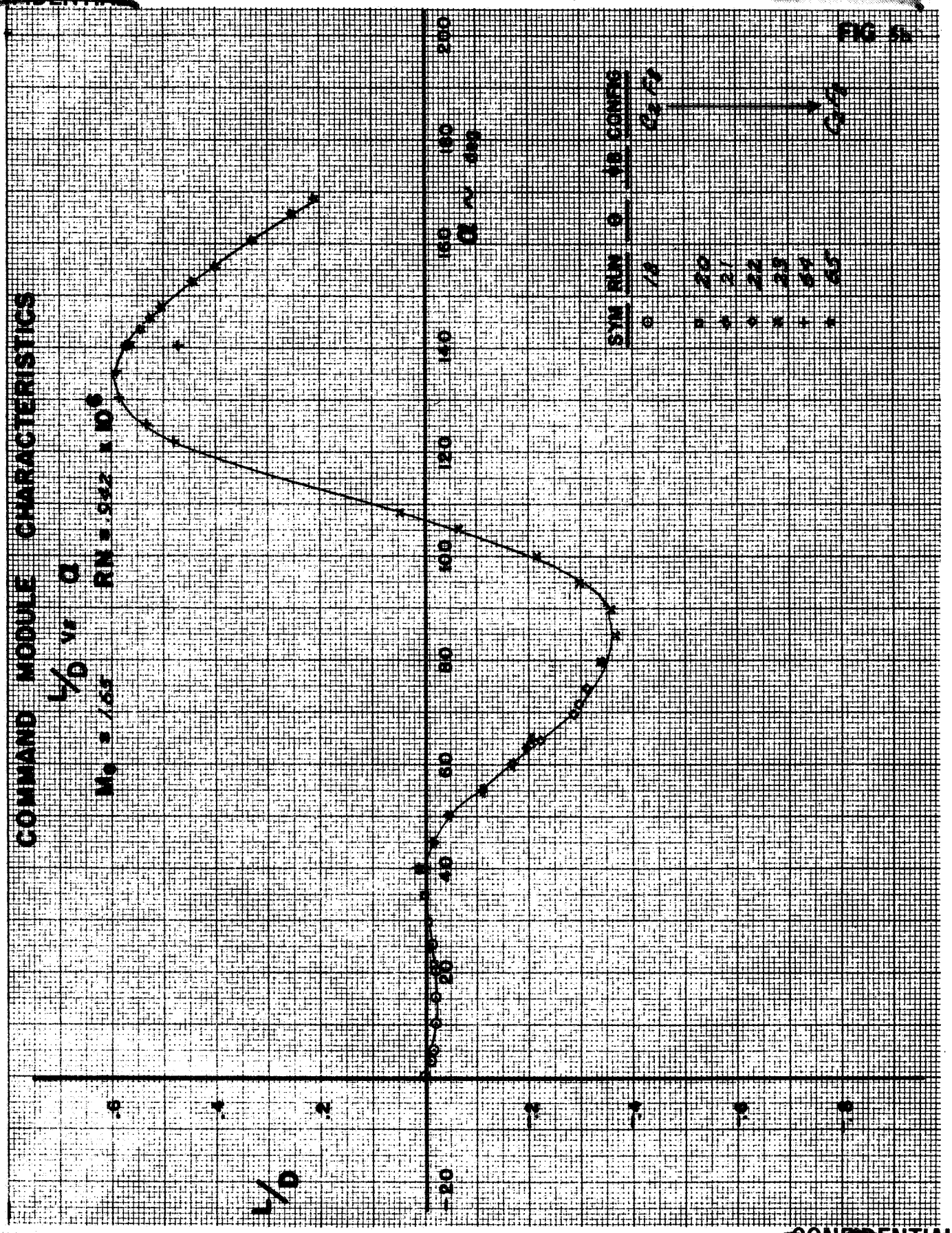

FIG 5h

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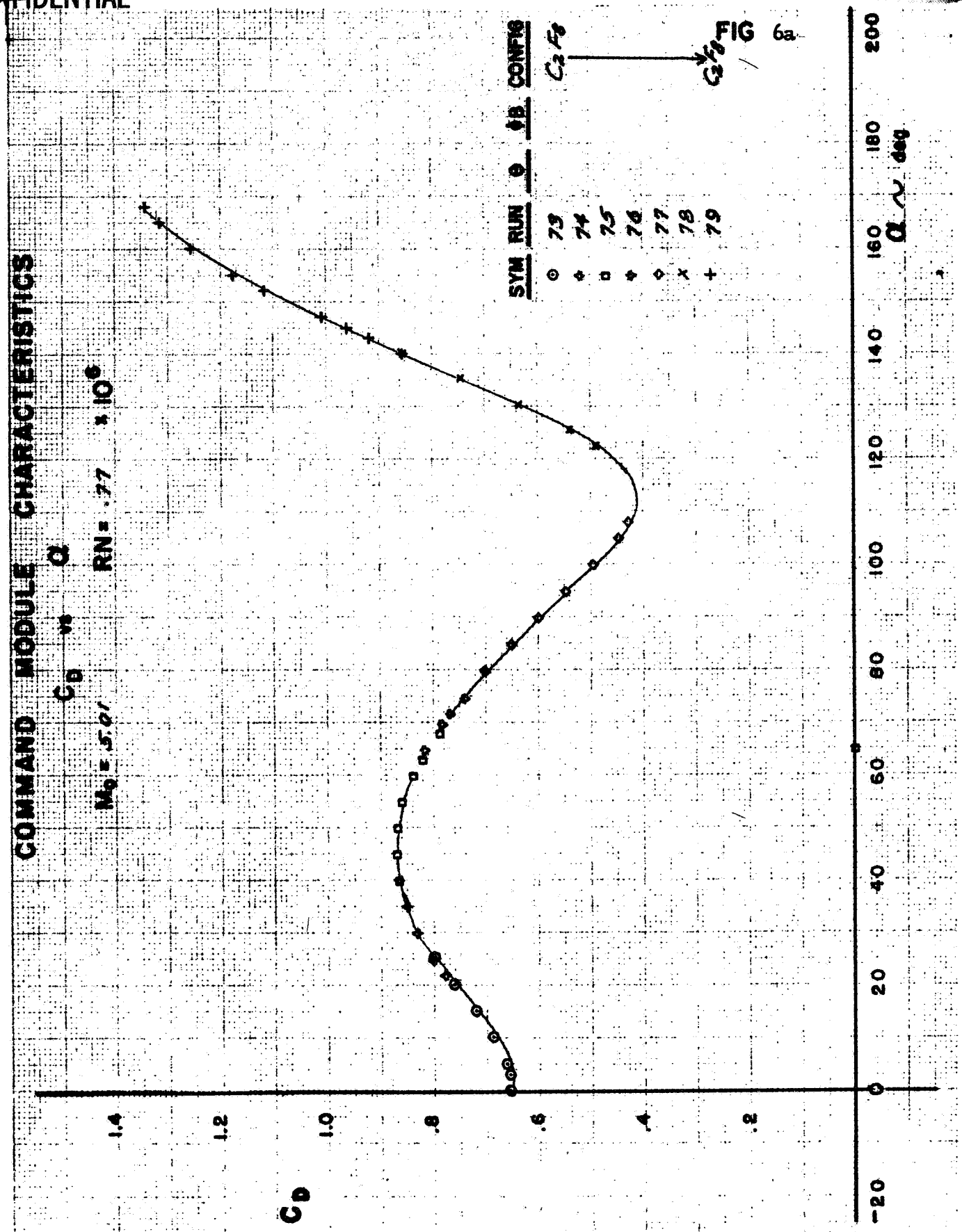

FIG 6a

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FIG 6b

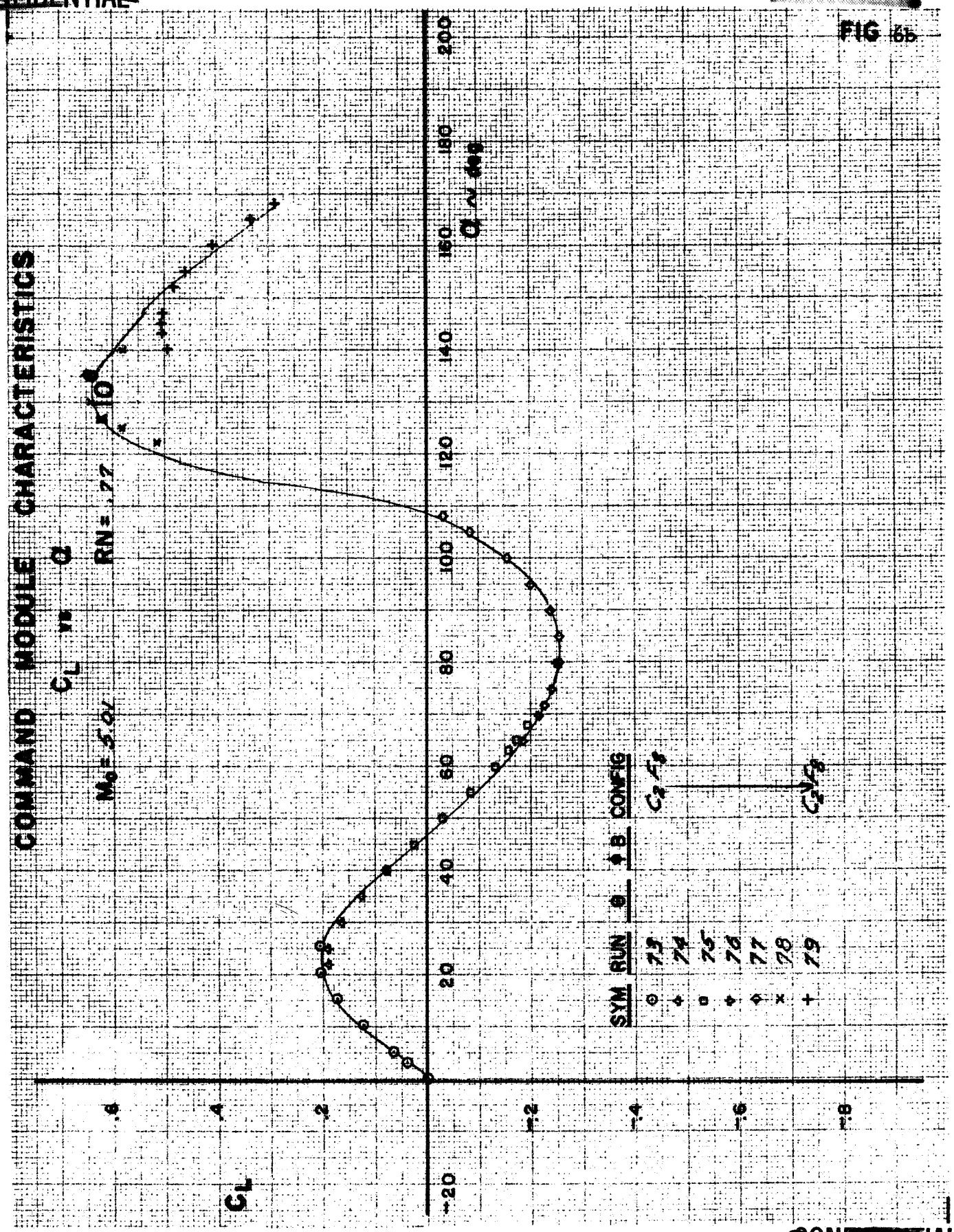

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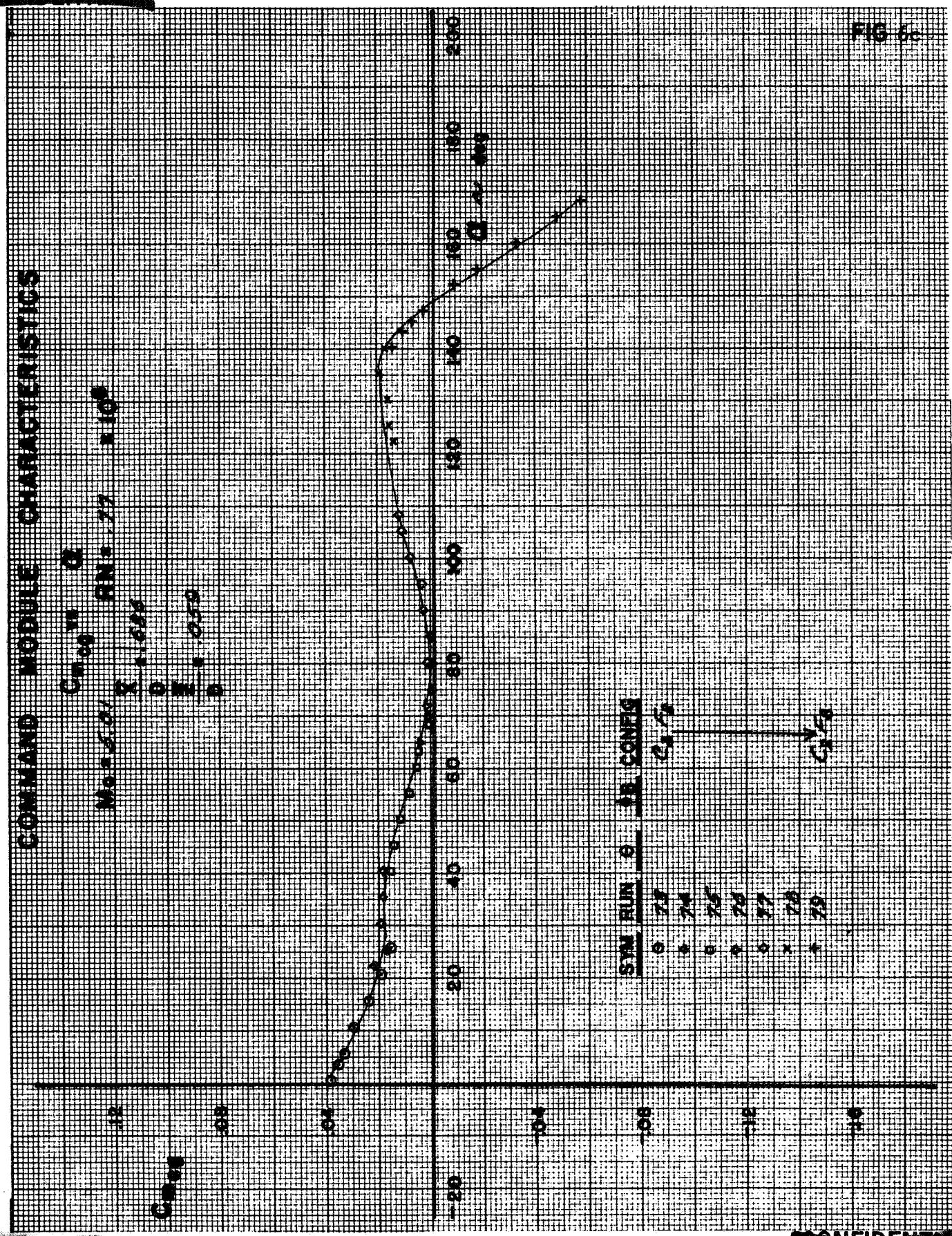
FIG 6c



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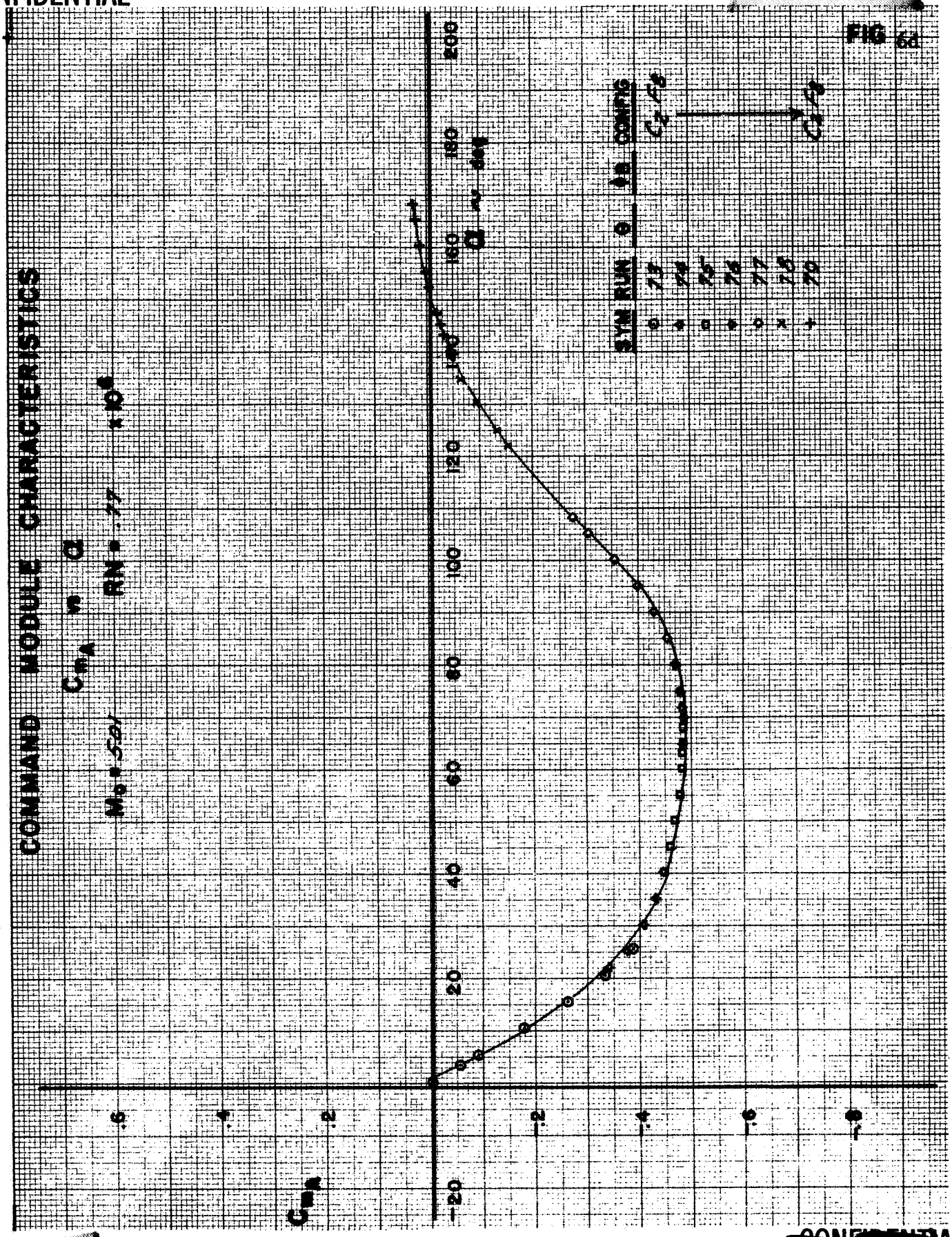

FIG 6d

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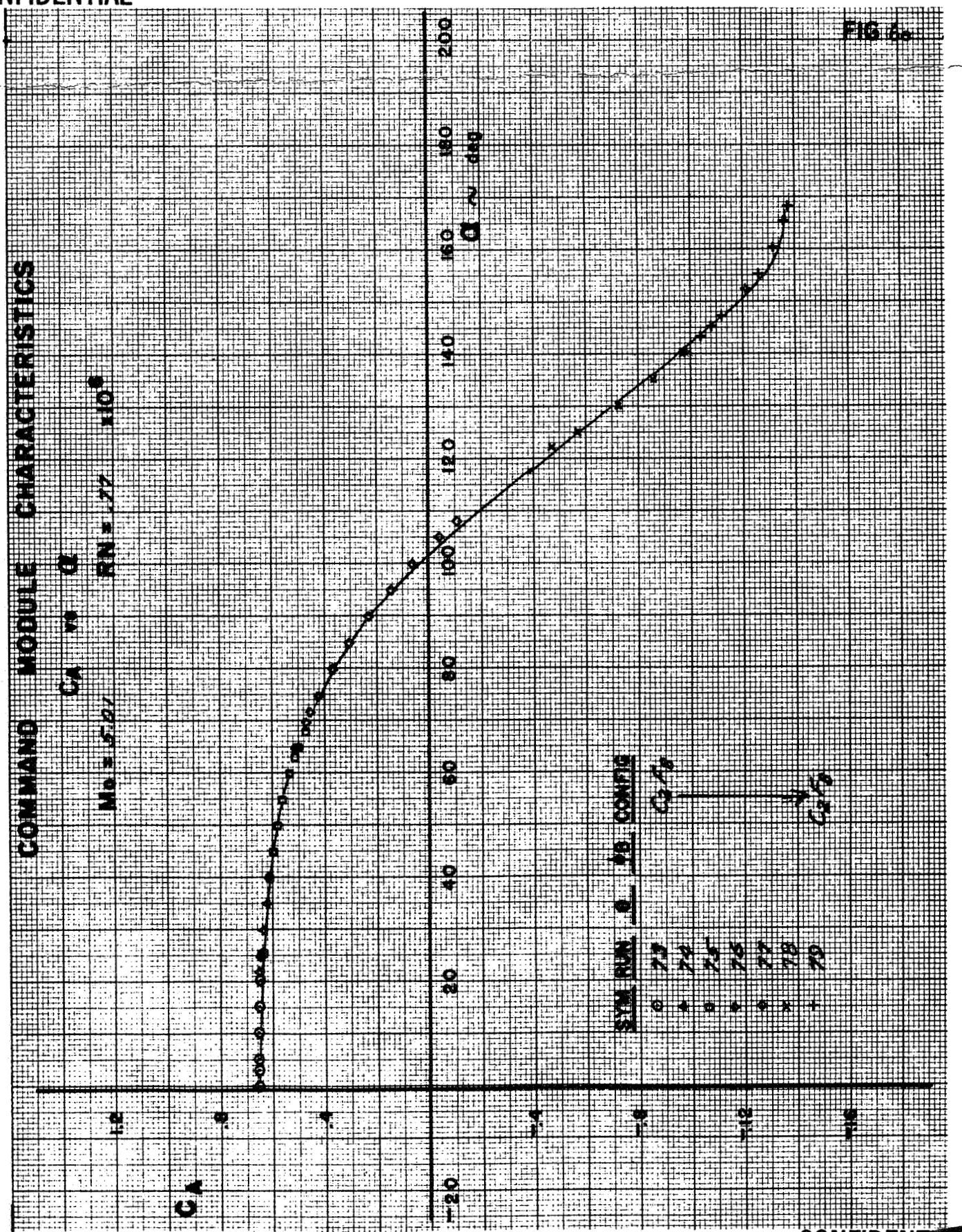
FIG 6a



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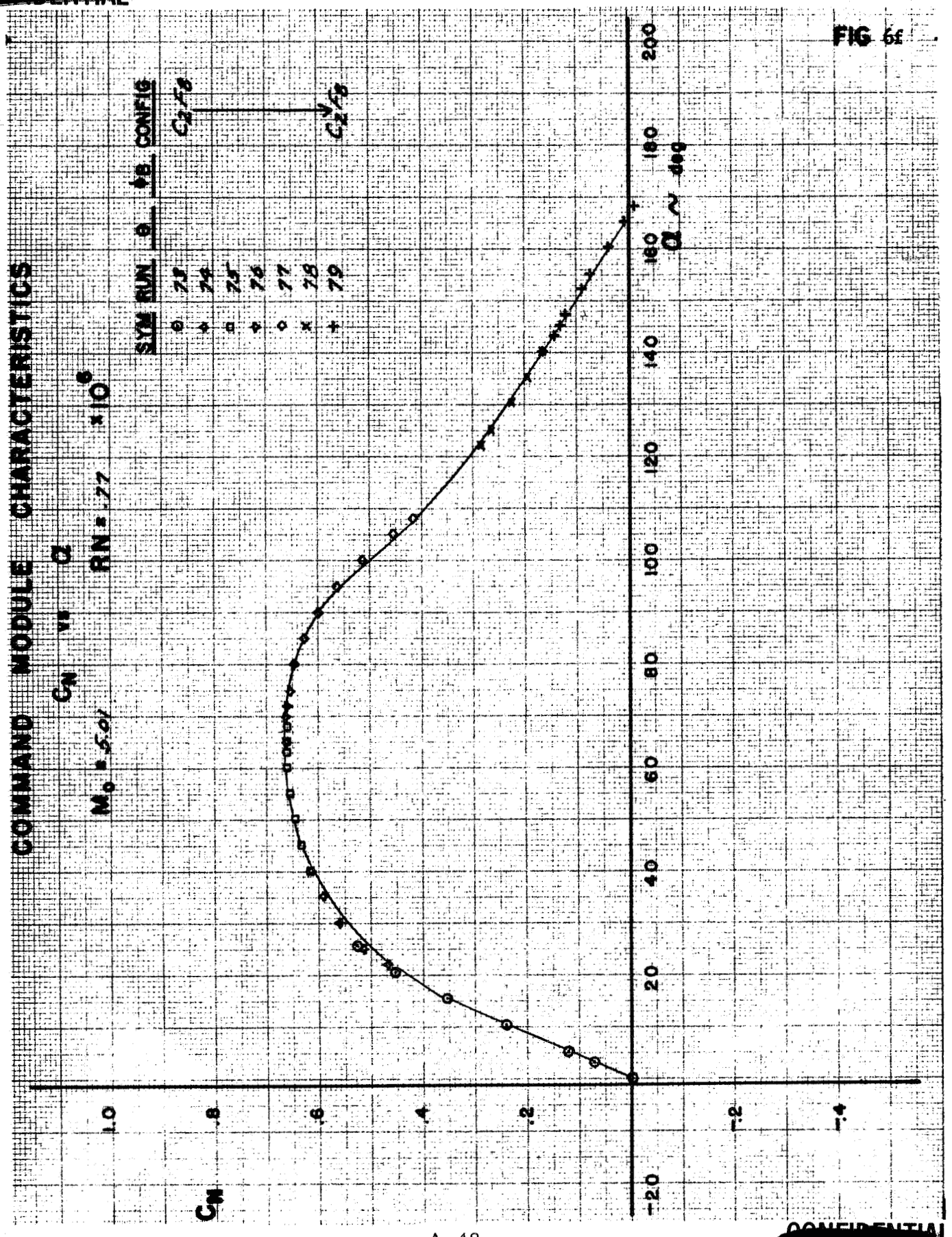

FIG 6f

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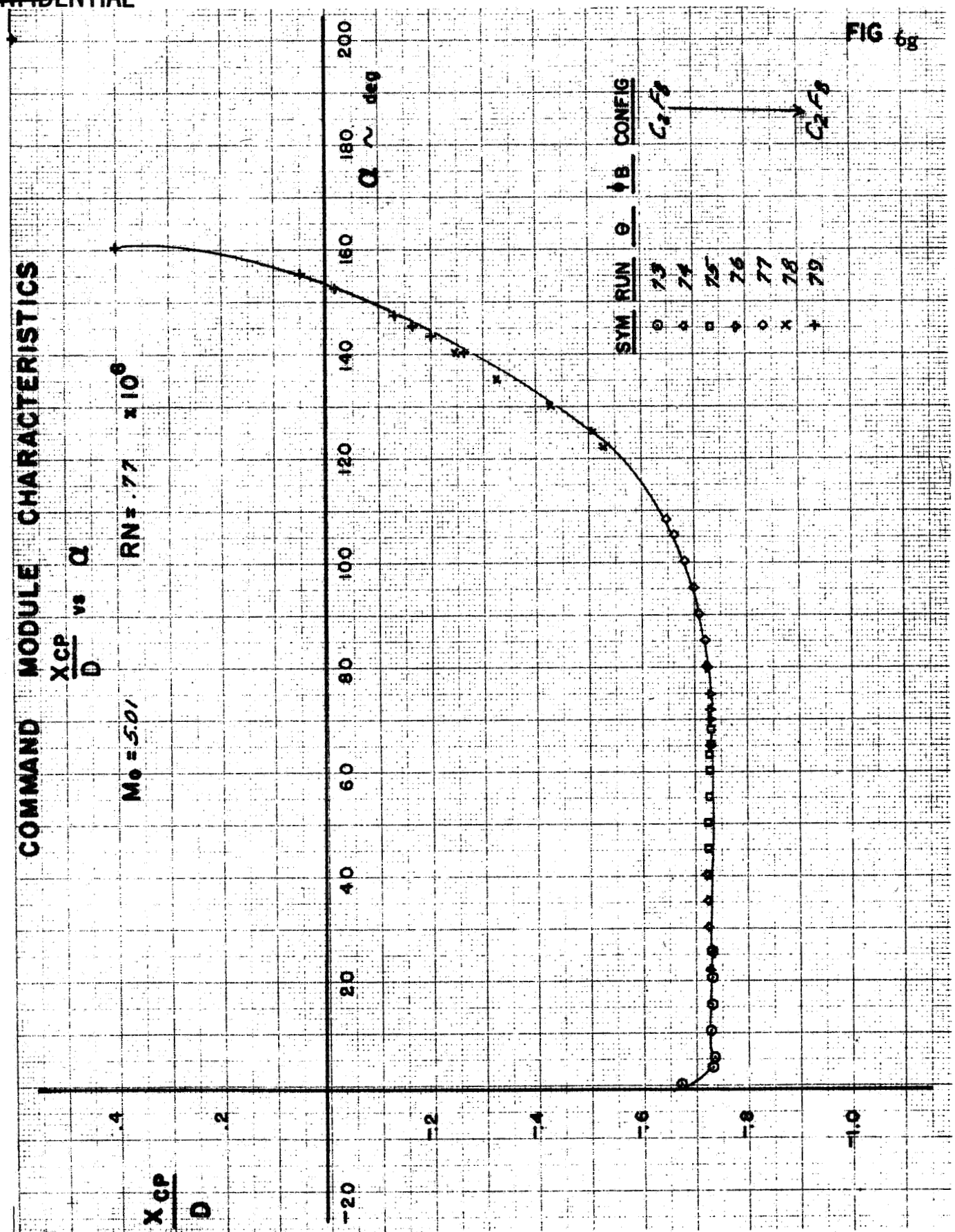
FIG 6g



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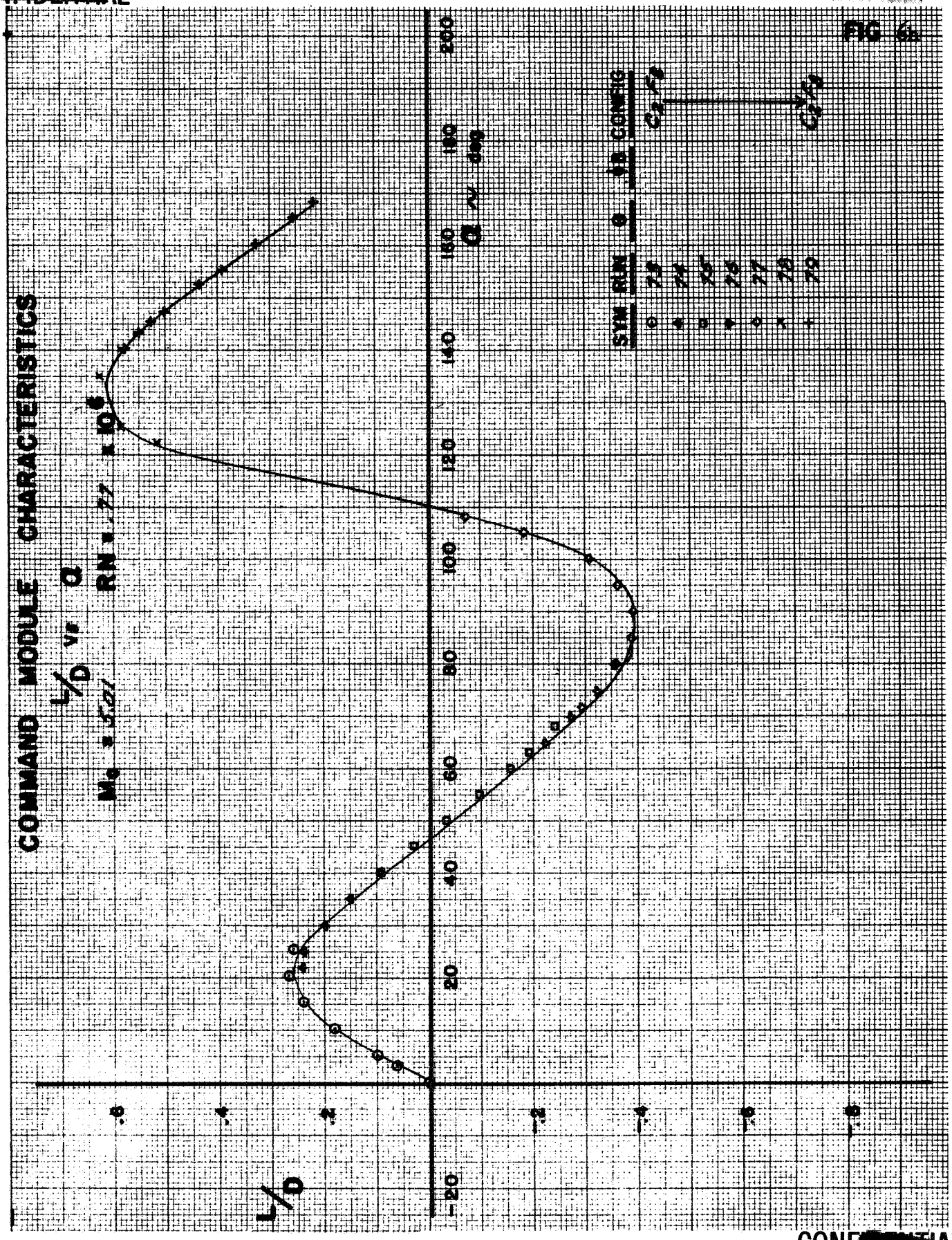
[redacted]

FIG 6b



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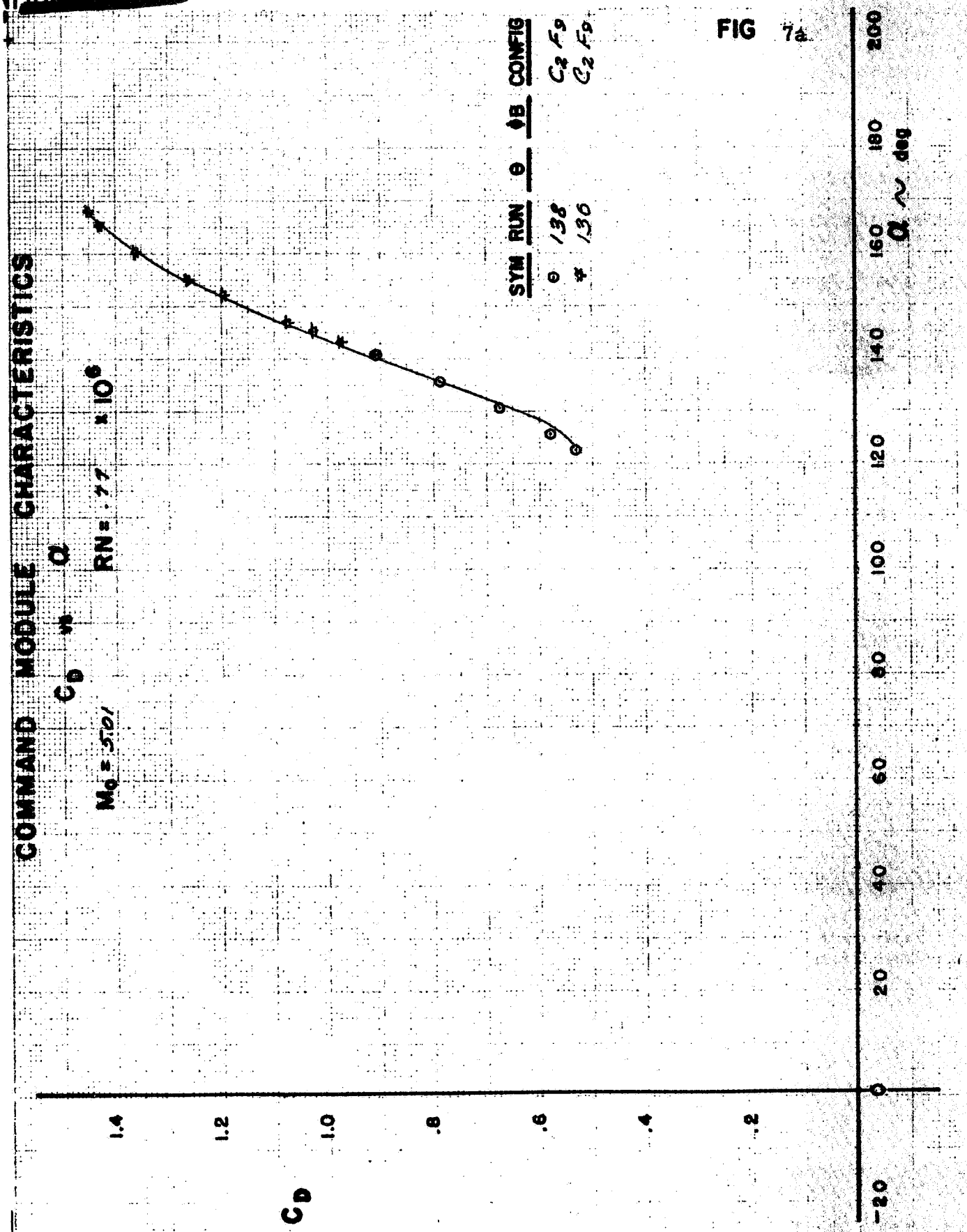

FIG 7a

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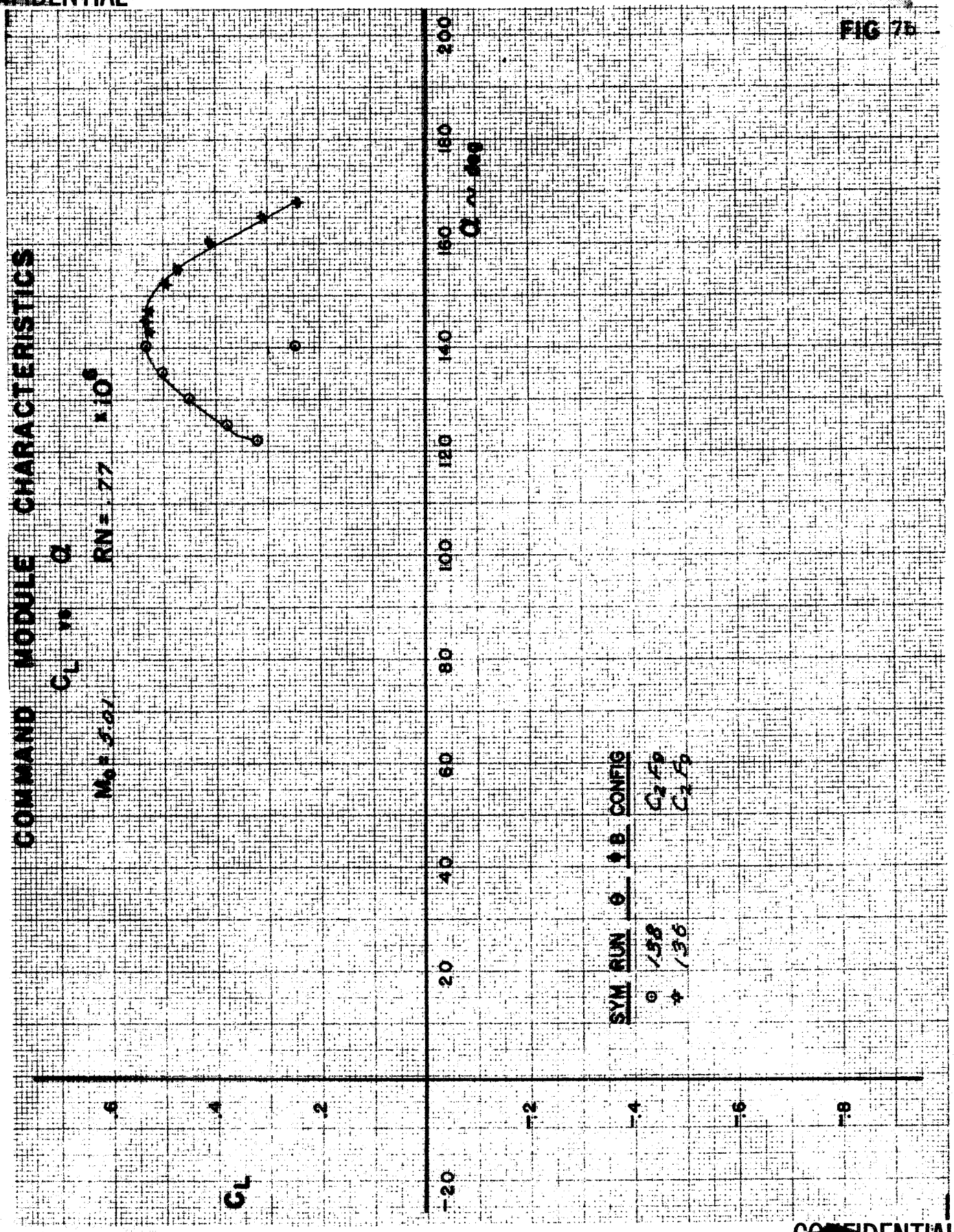
FIG 7b



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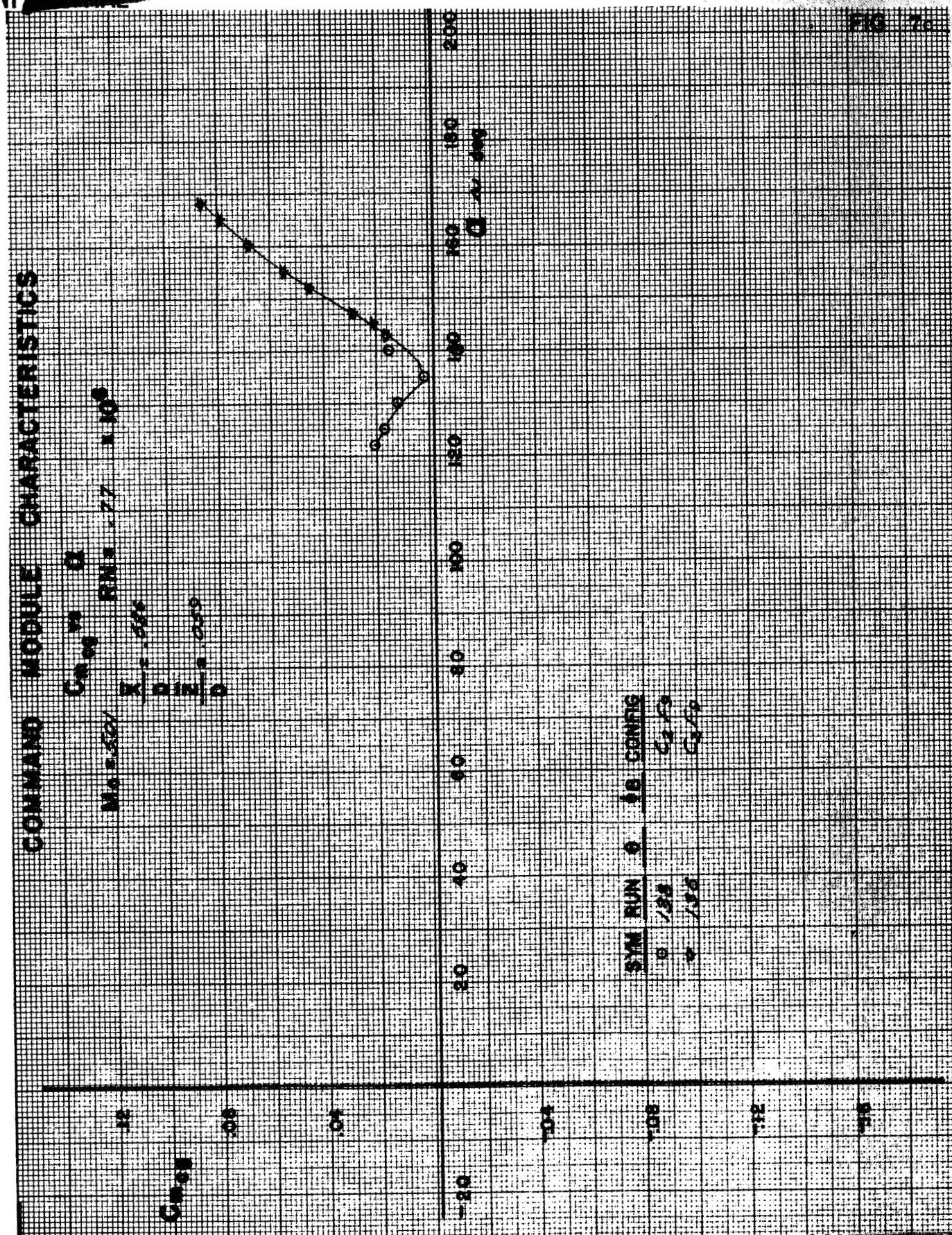

FIG 7c

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FIG 7d

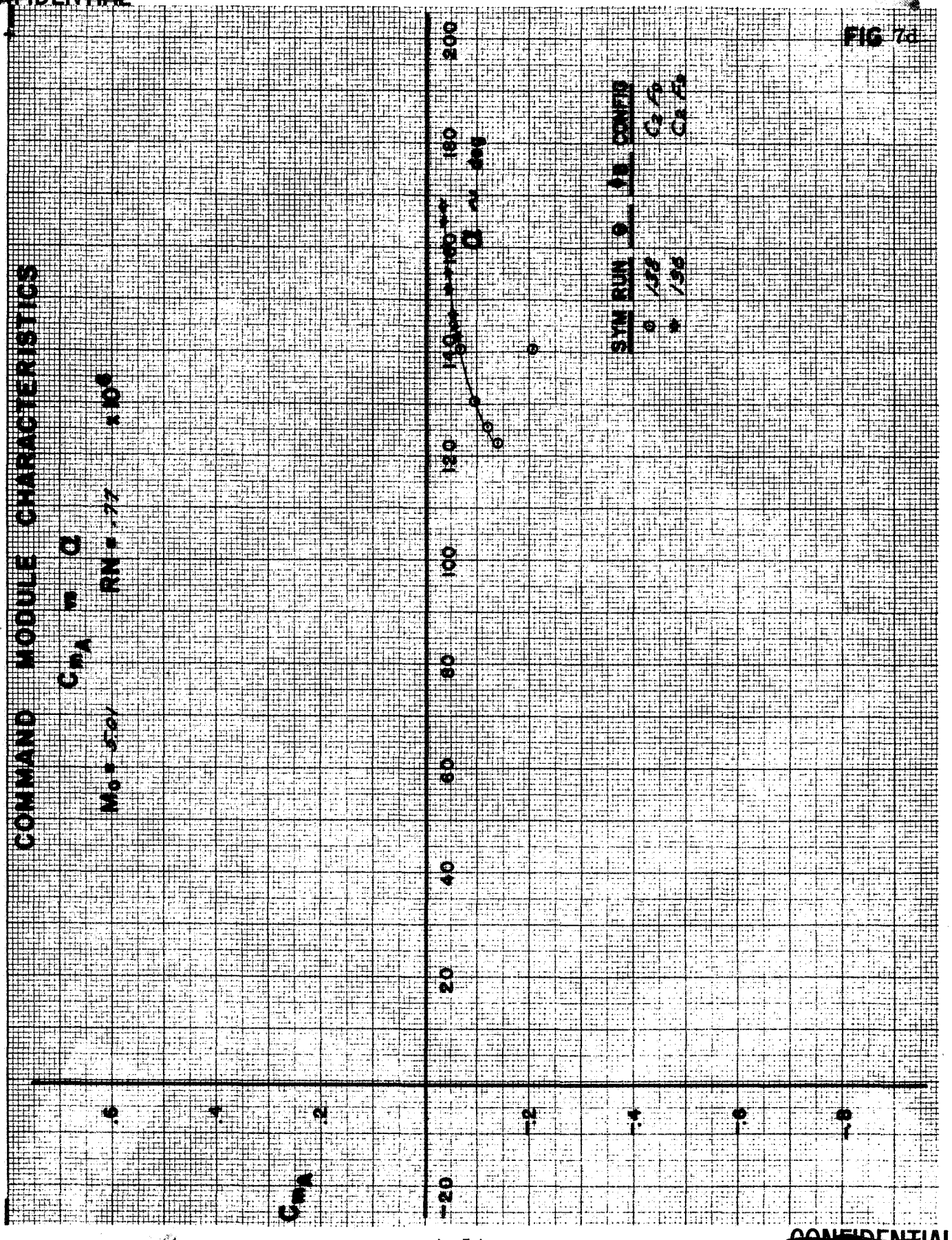

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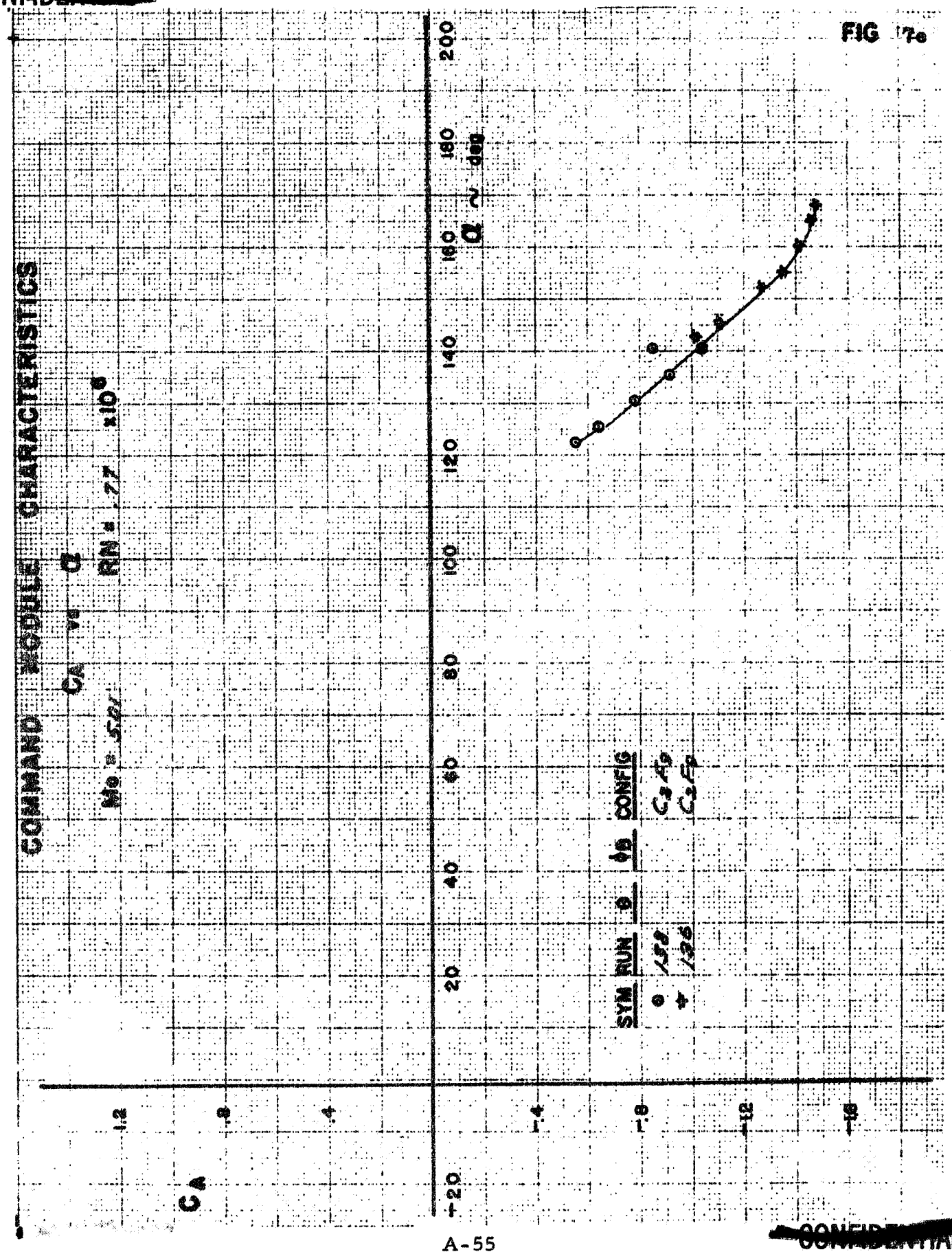
FIG 7e



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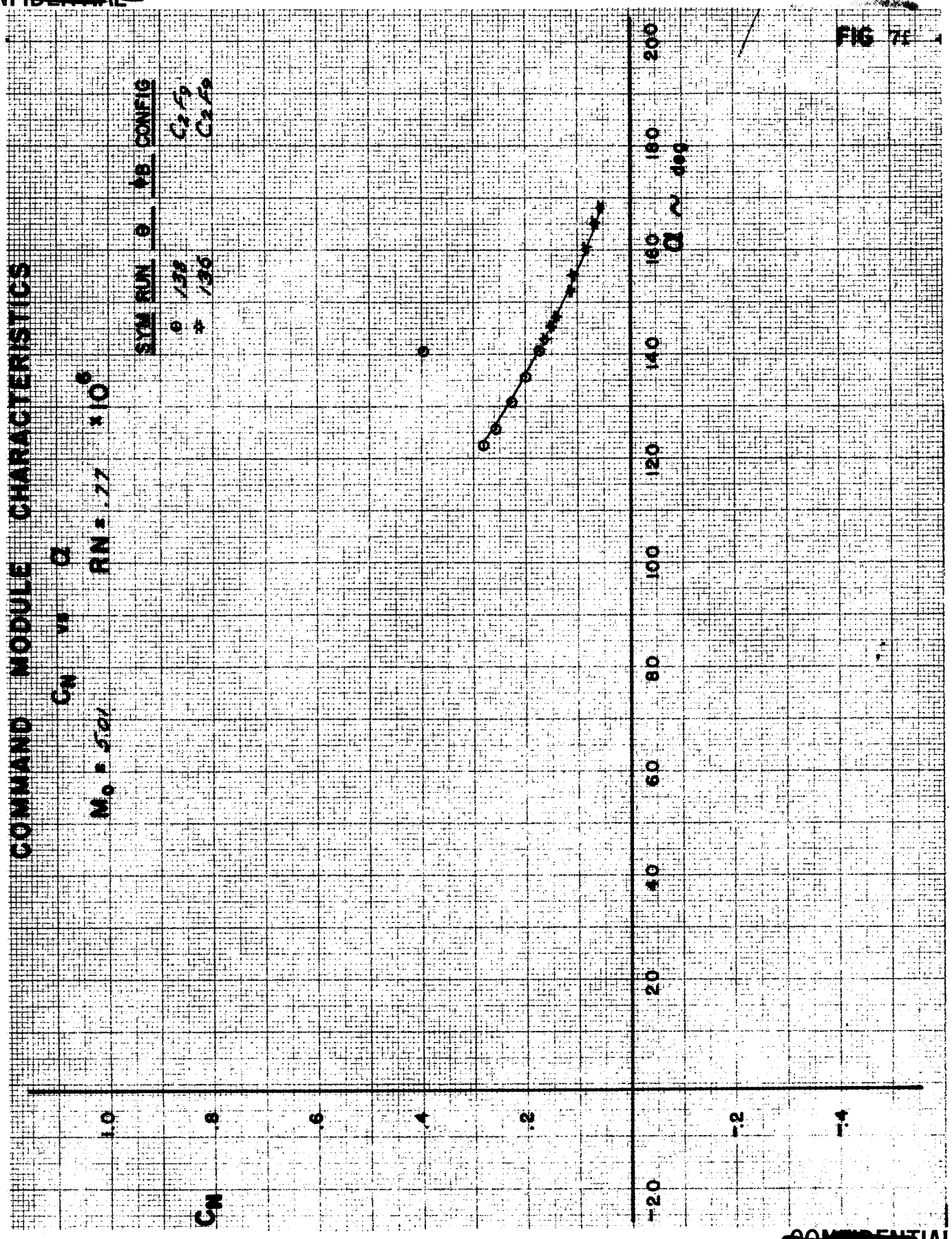

FIG 71

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CONFI[redacted]

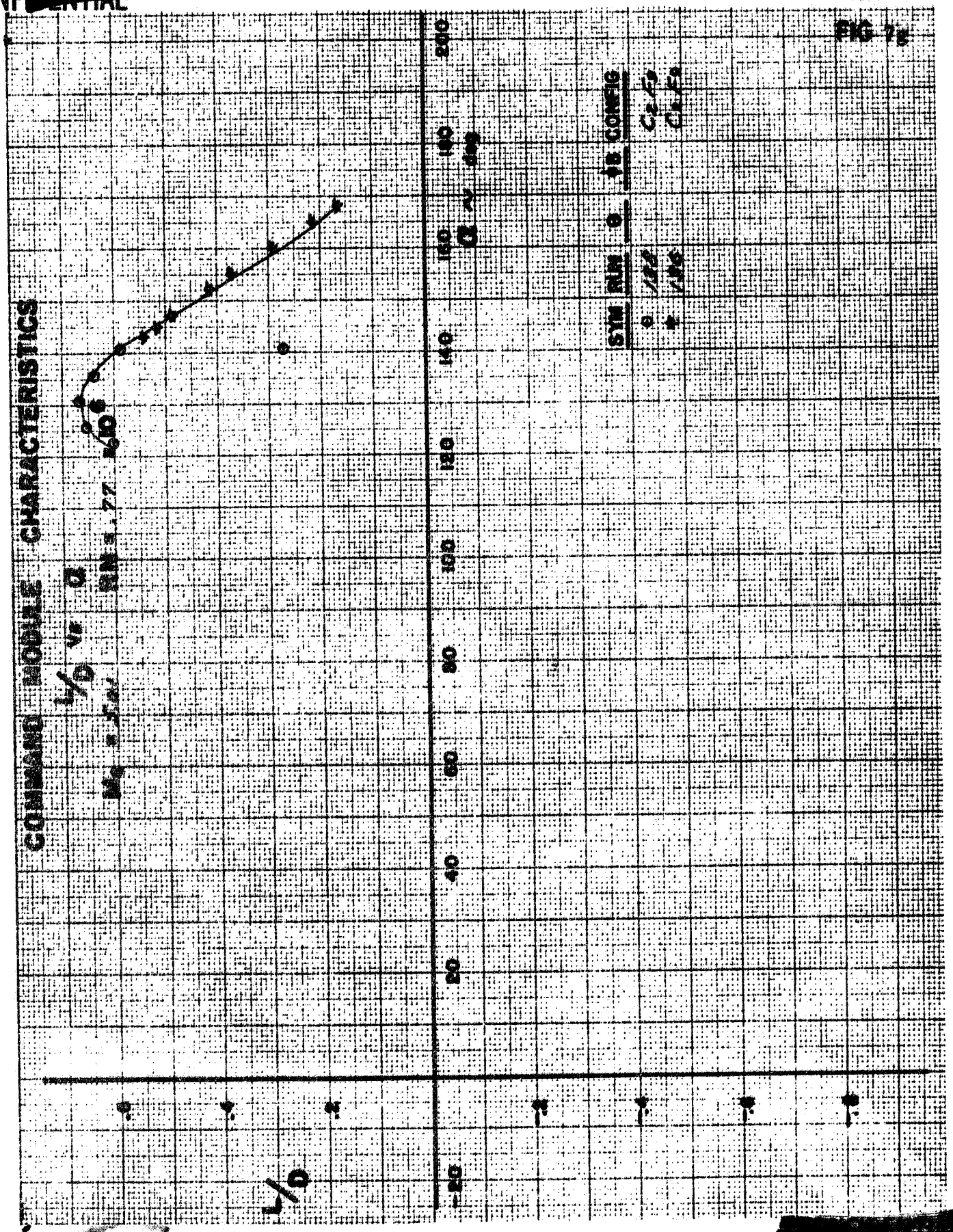

FIG 7b

[redacted]

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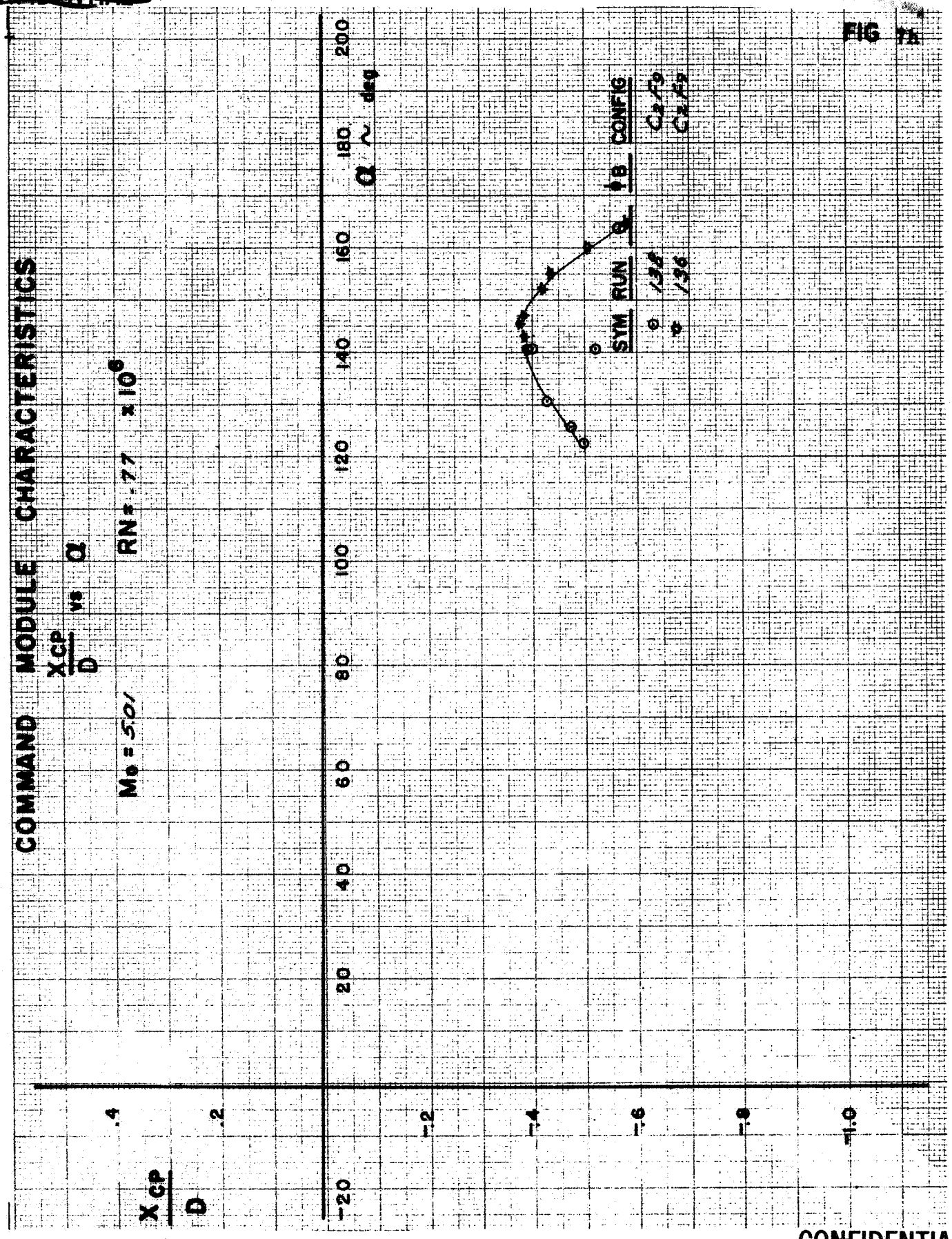

FIG 7h

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FIG 35

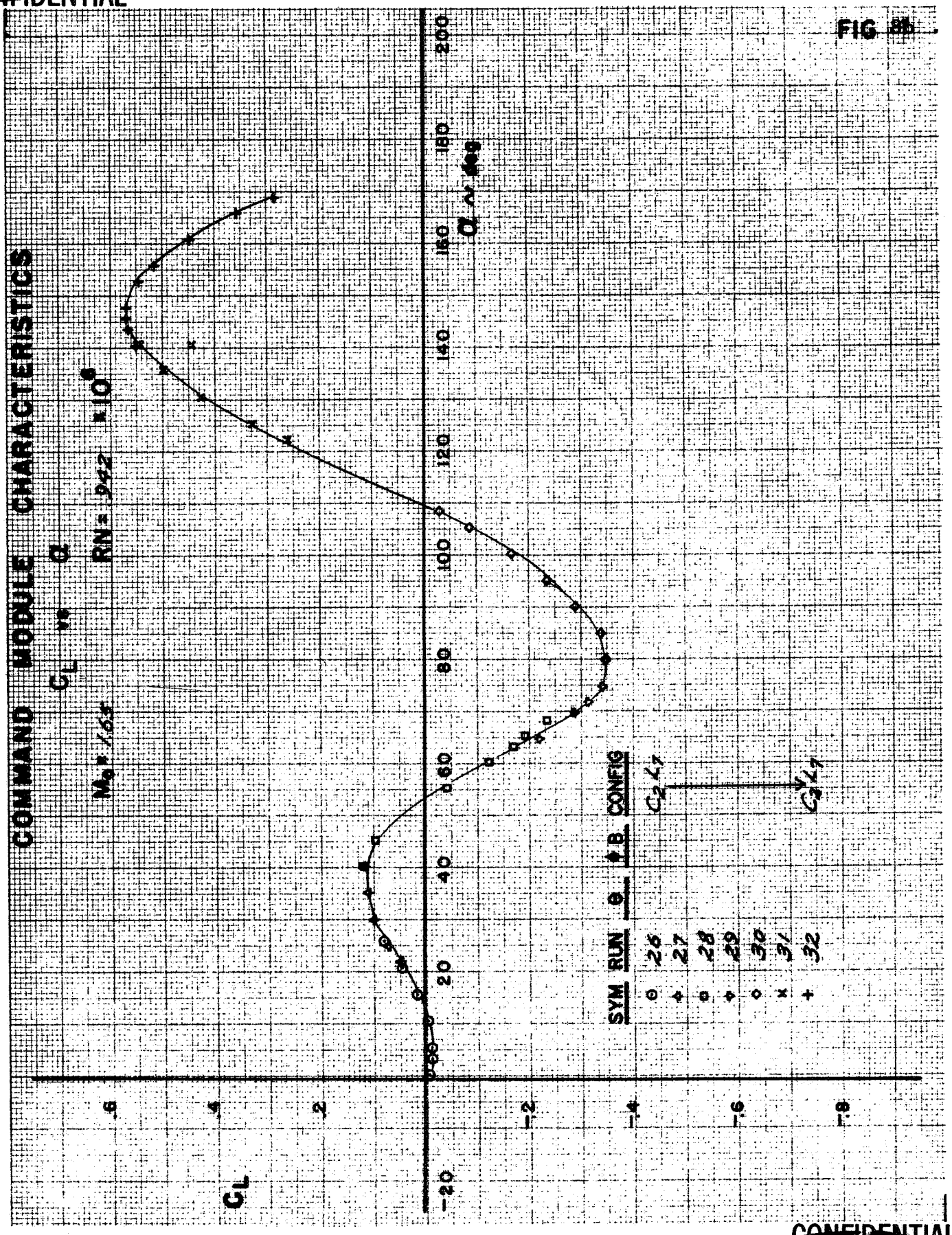

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FIG 8e

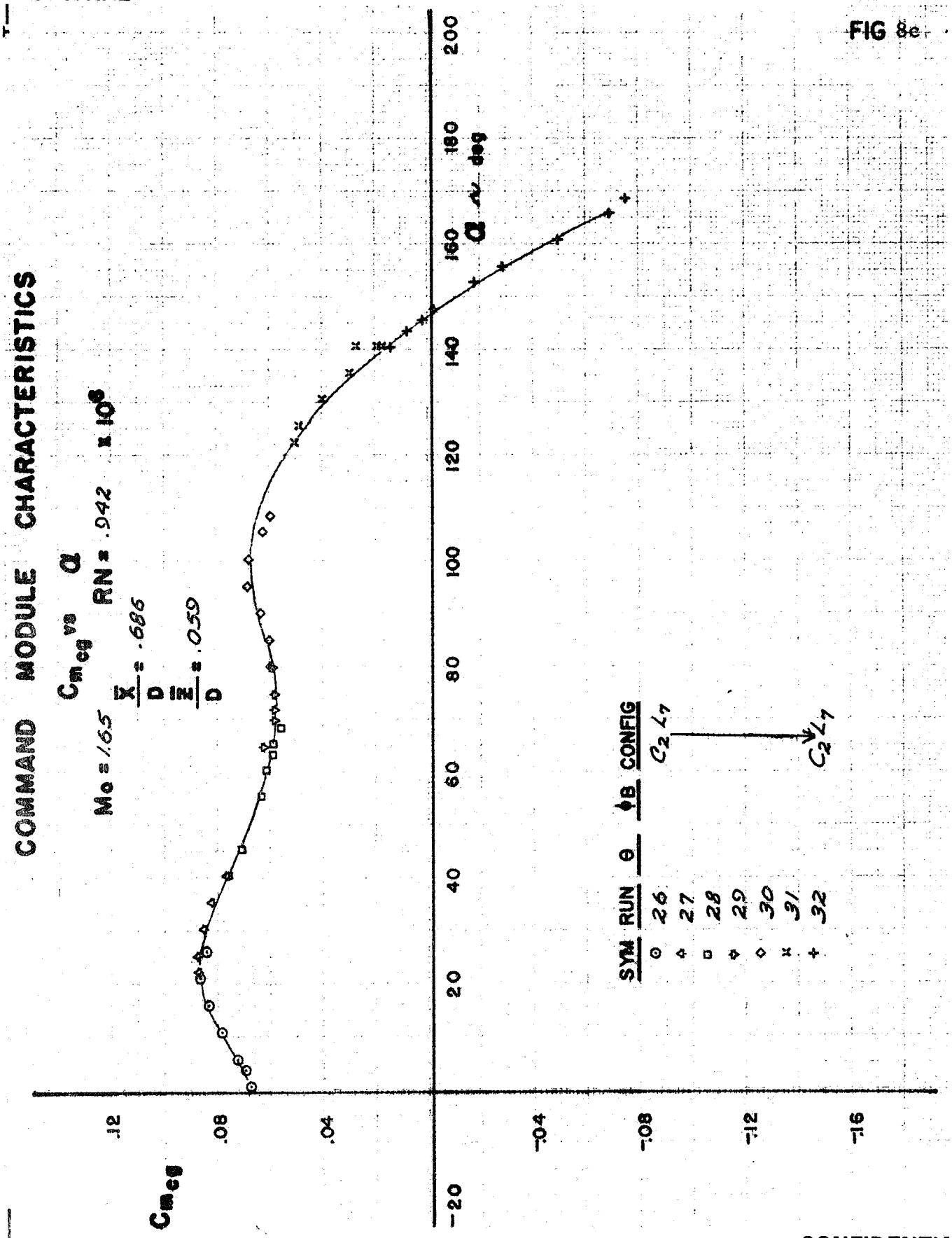

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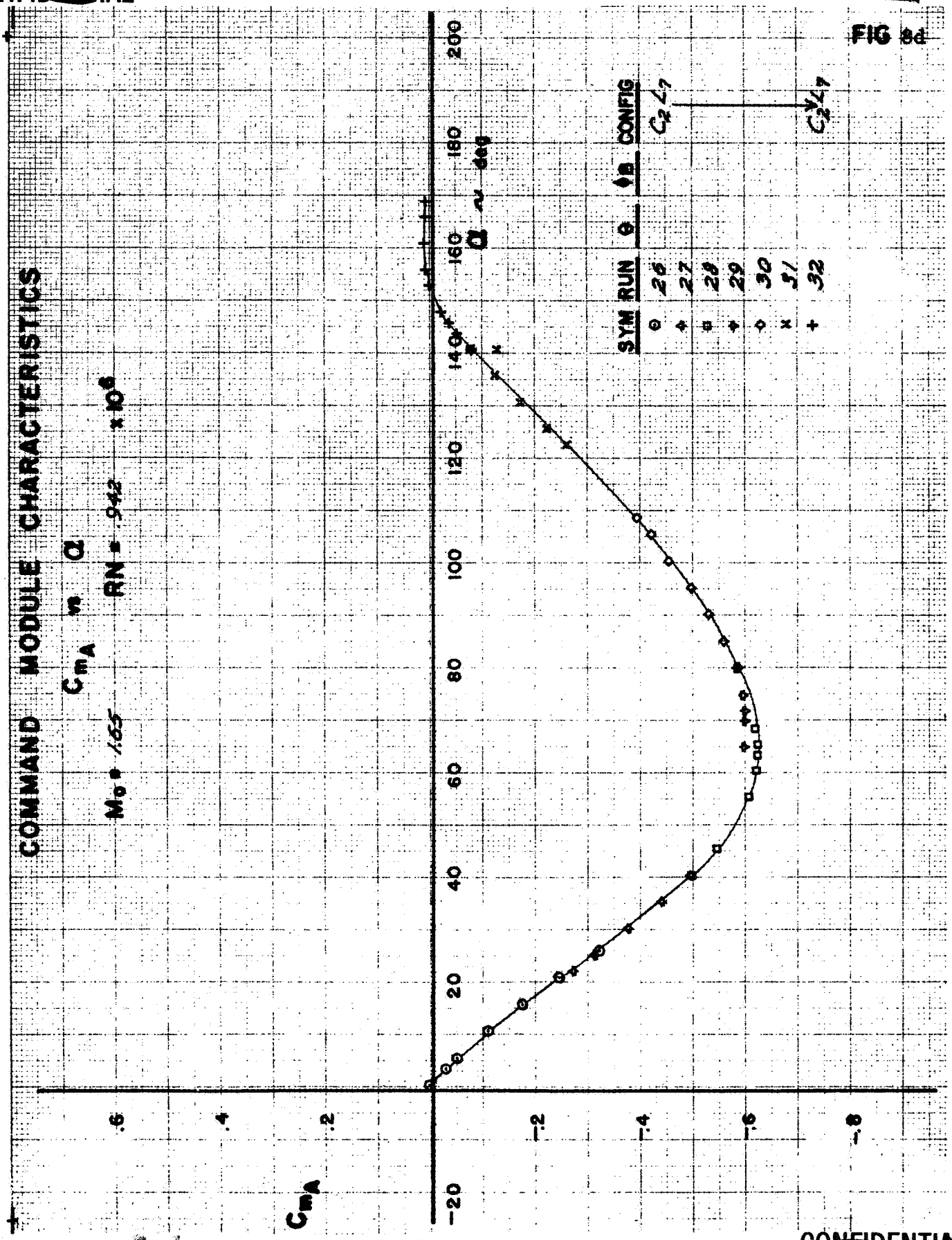
FIG 8d



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CO[redacted]

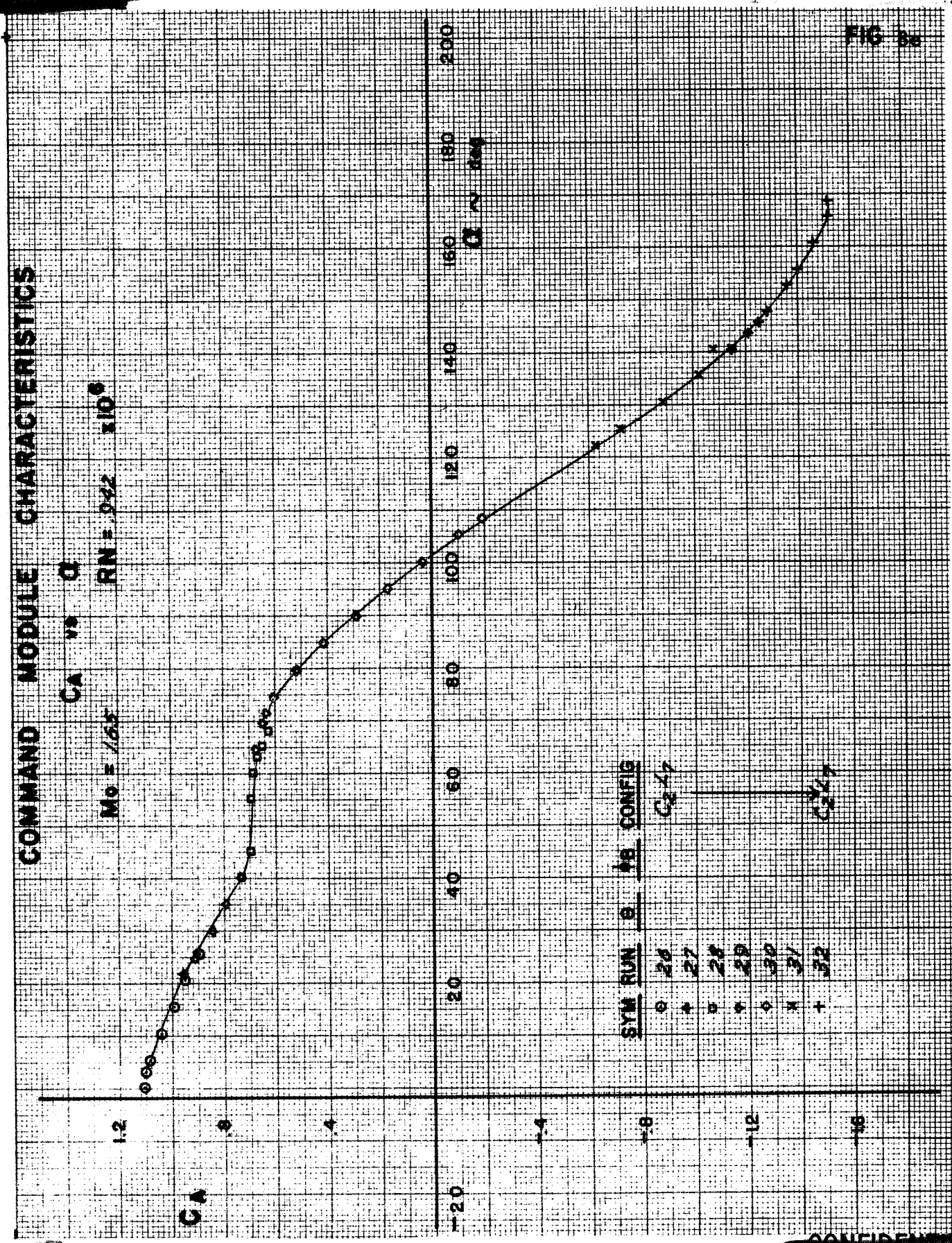

FIG 3a

[redacted]

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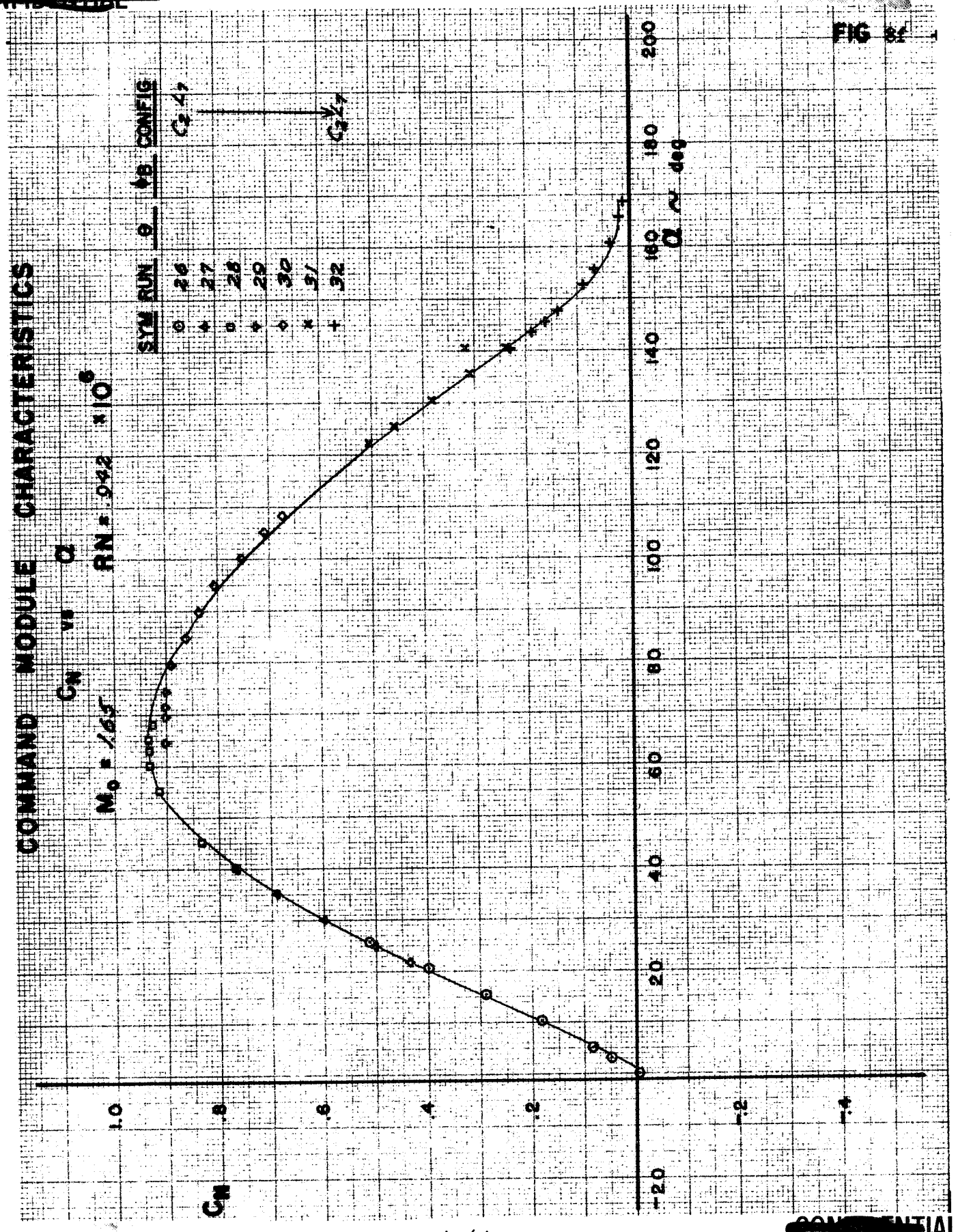
FIG 31



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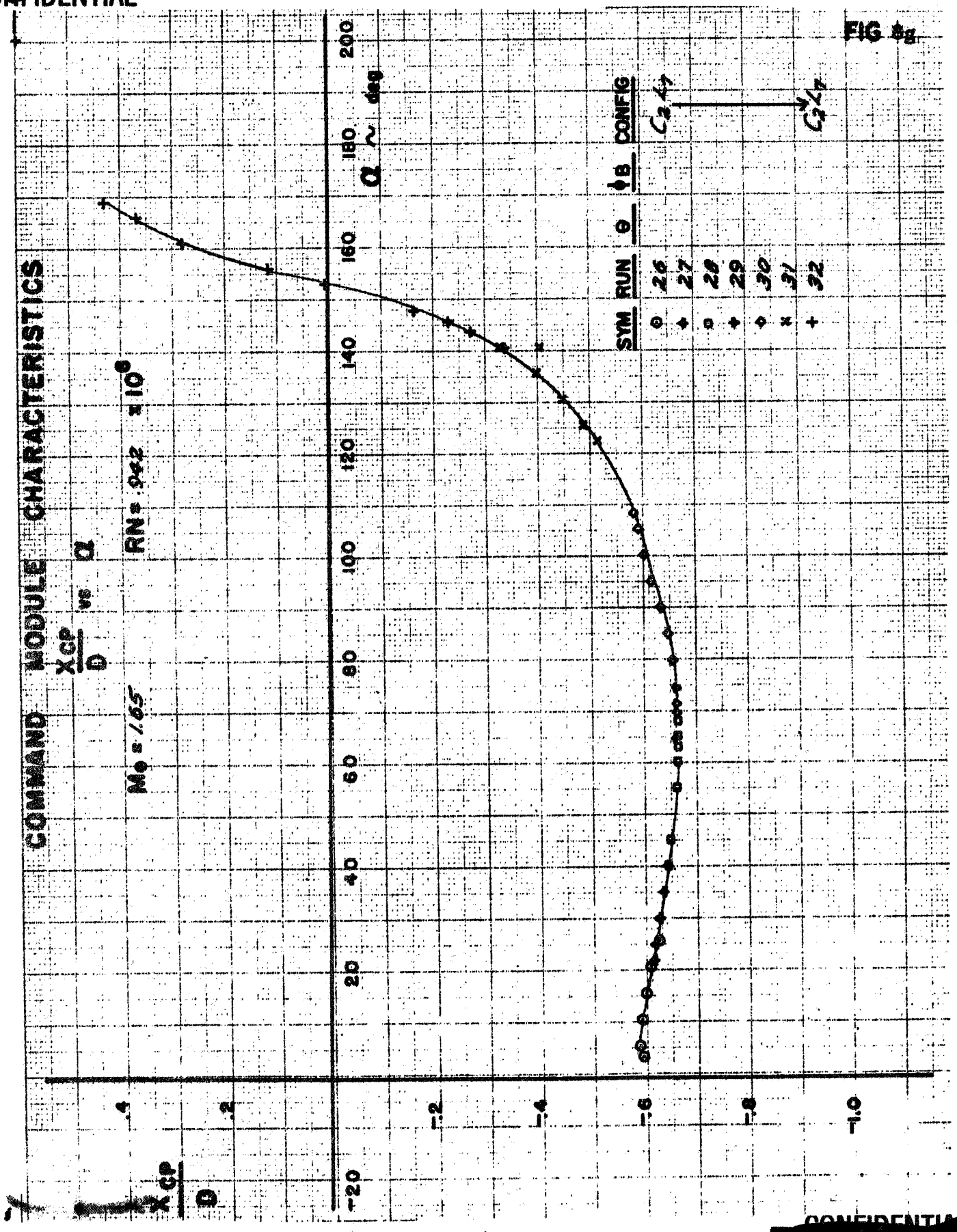
CO[redacted]

FIG 8g



[redacted]

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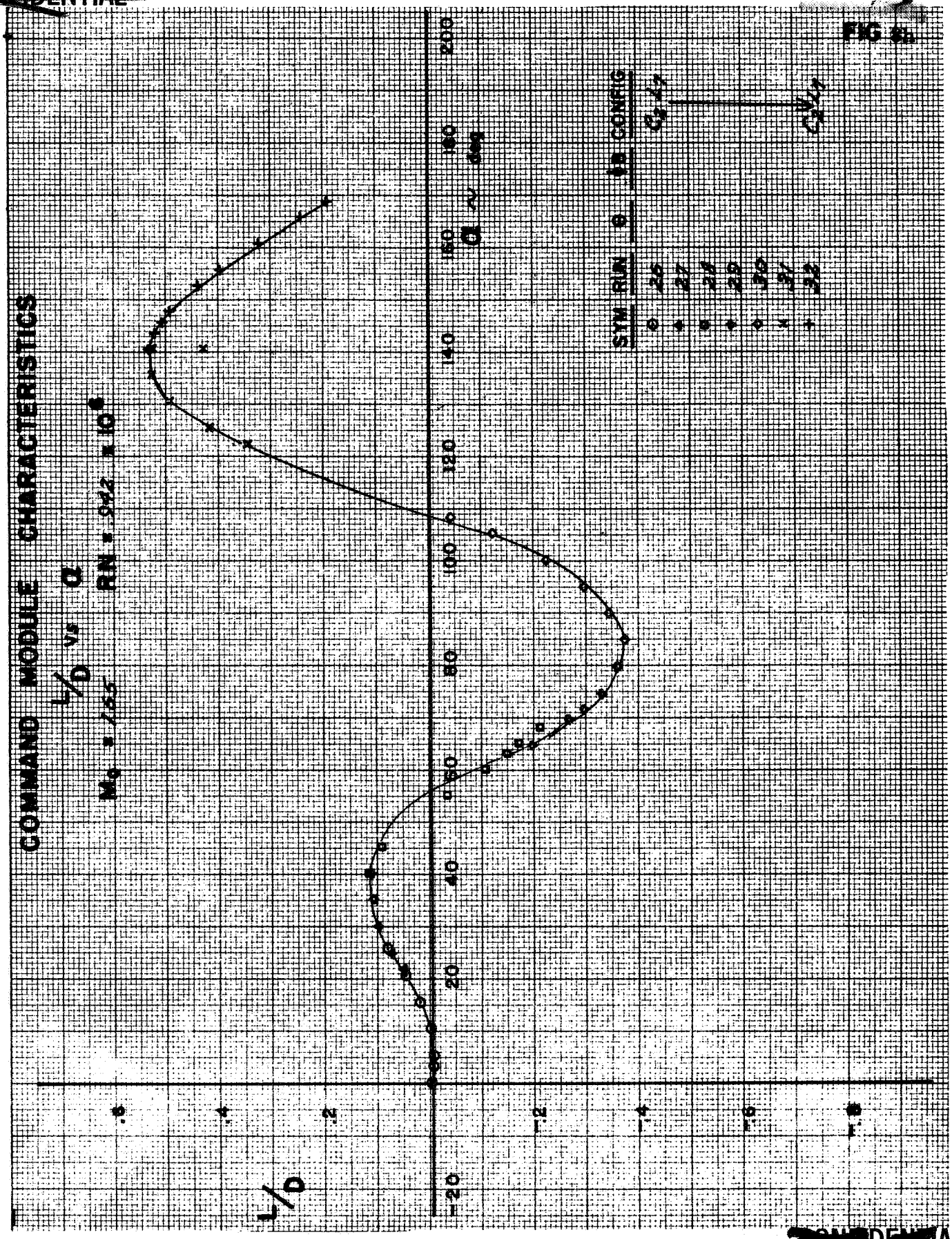
FIG 8b



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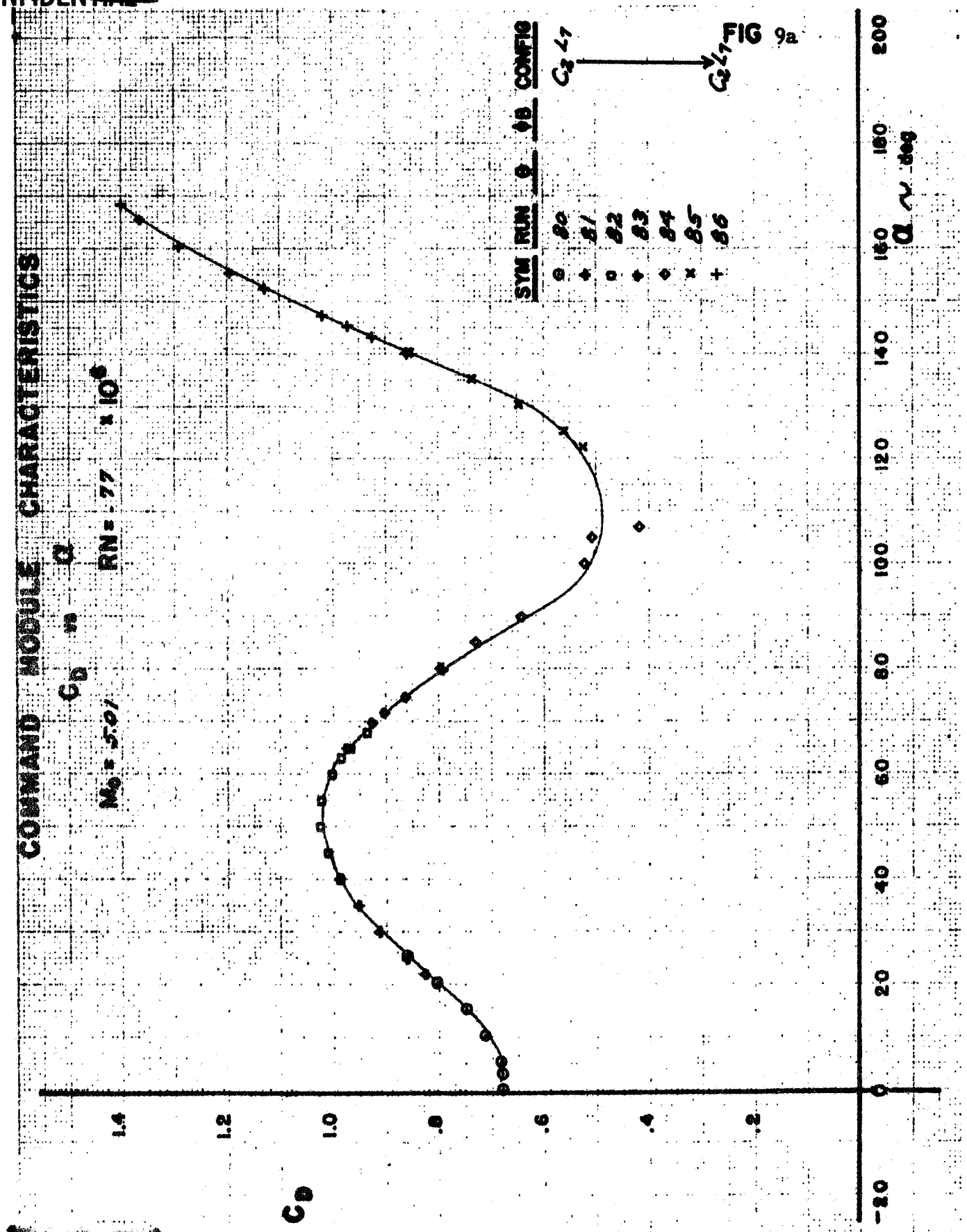

FIG 9a

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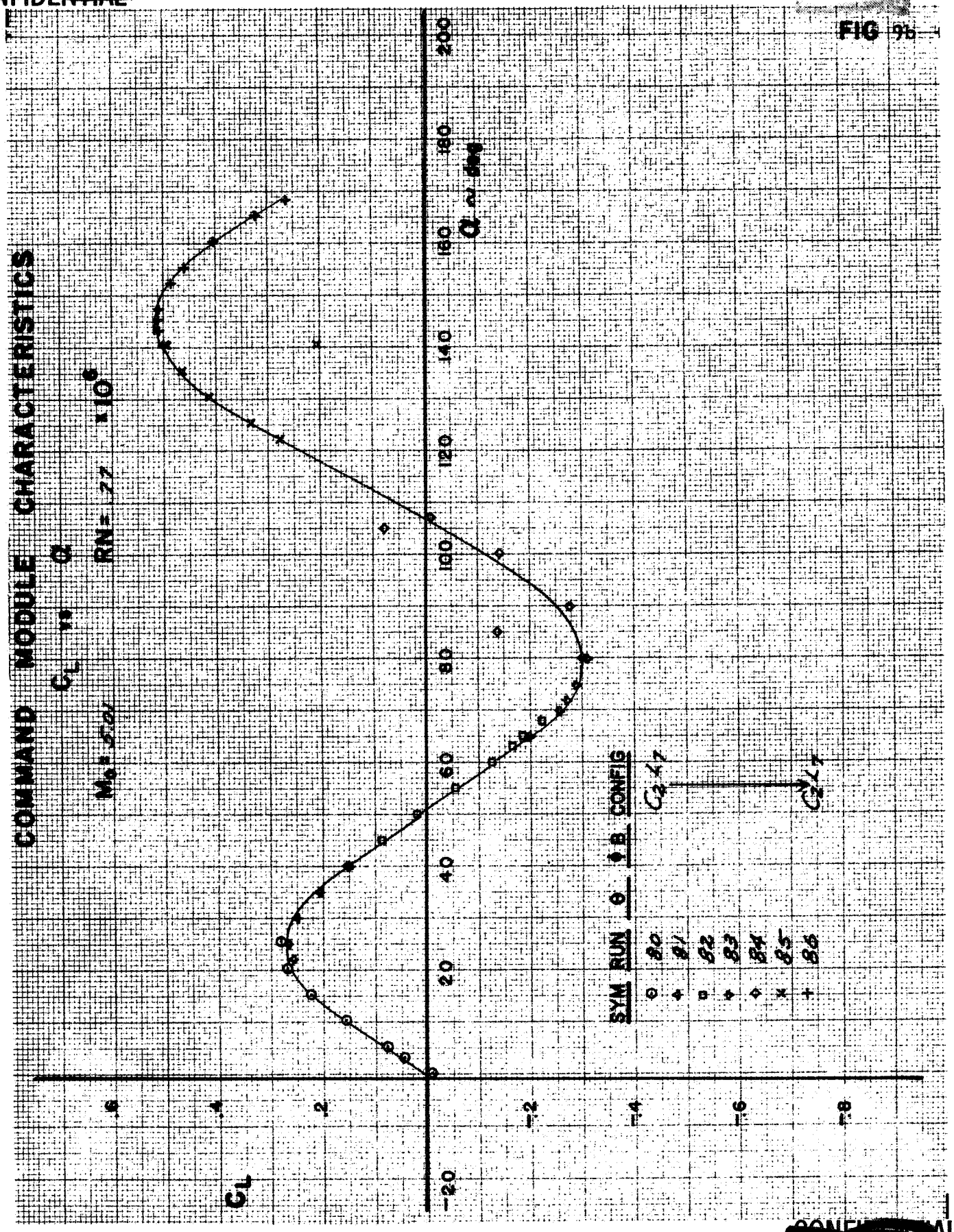
FIG 9b



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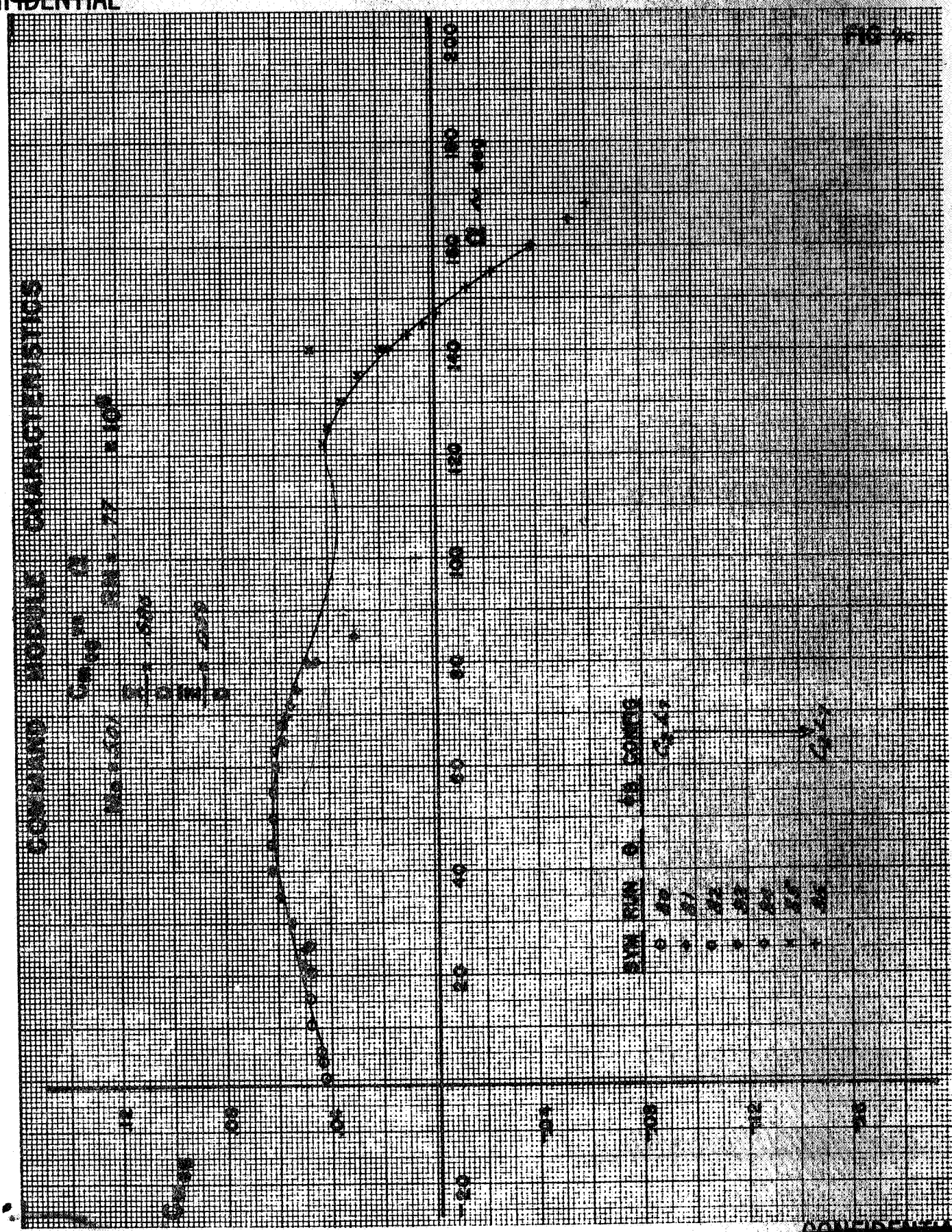

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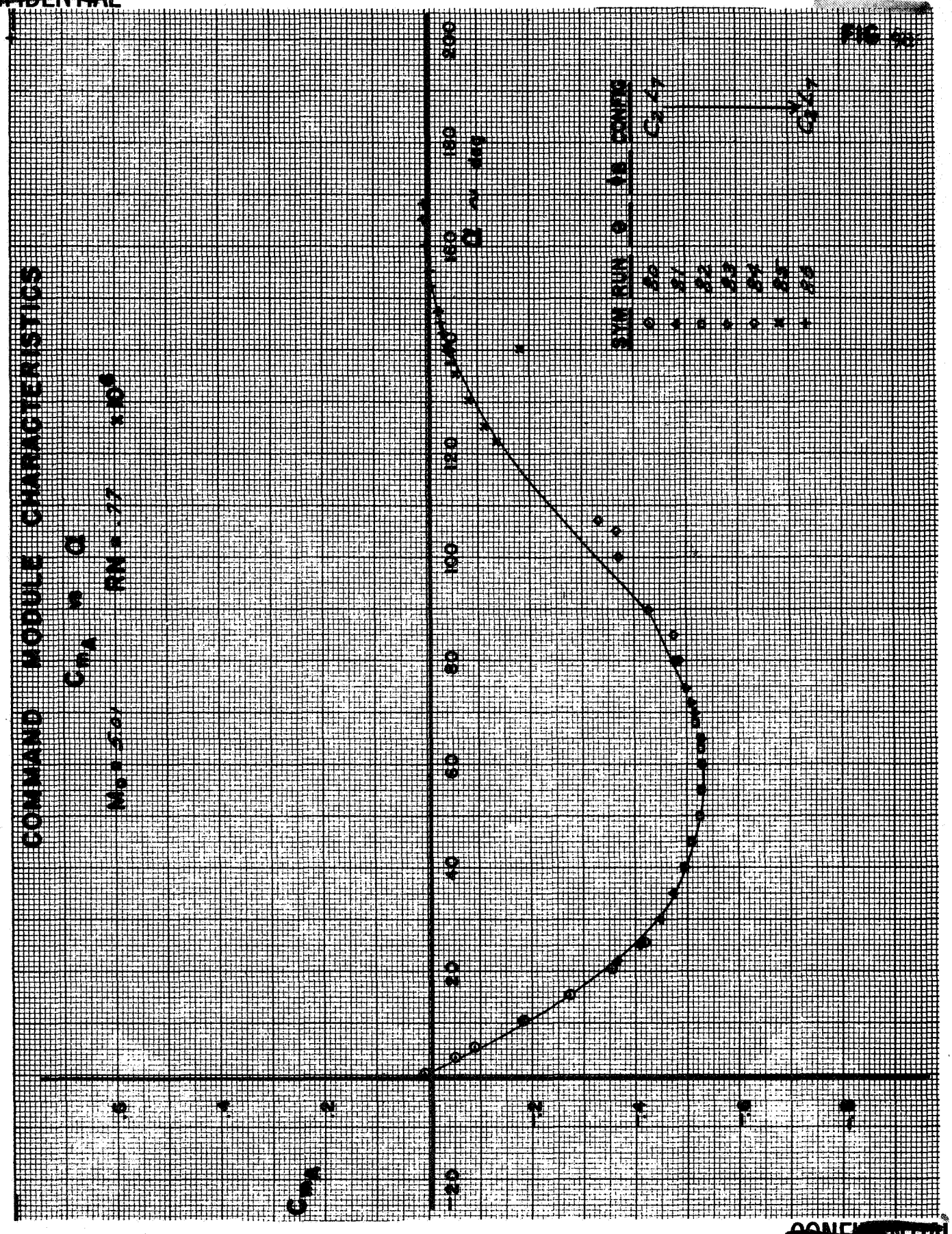

FIG 50

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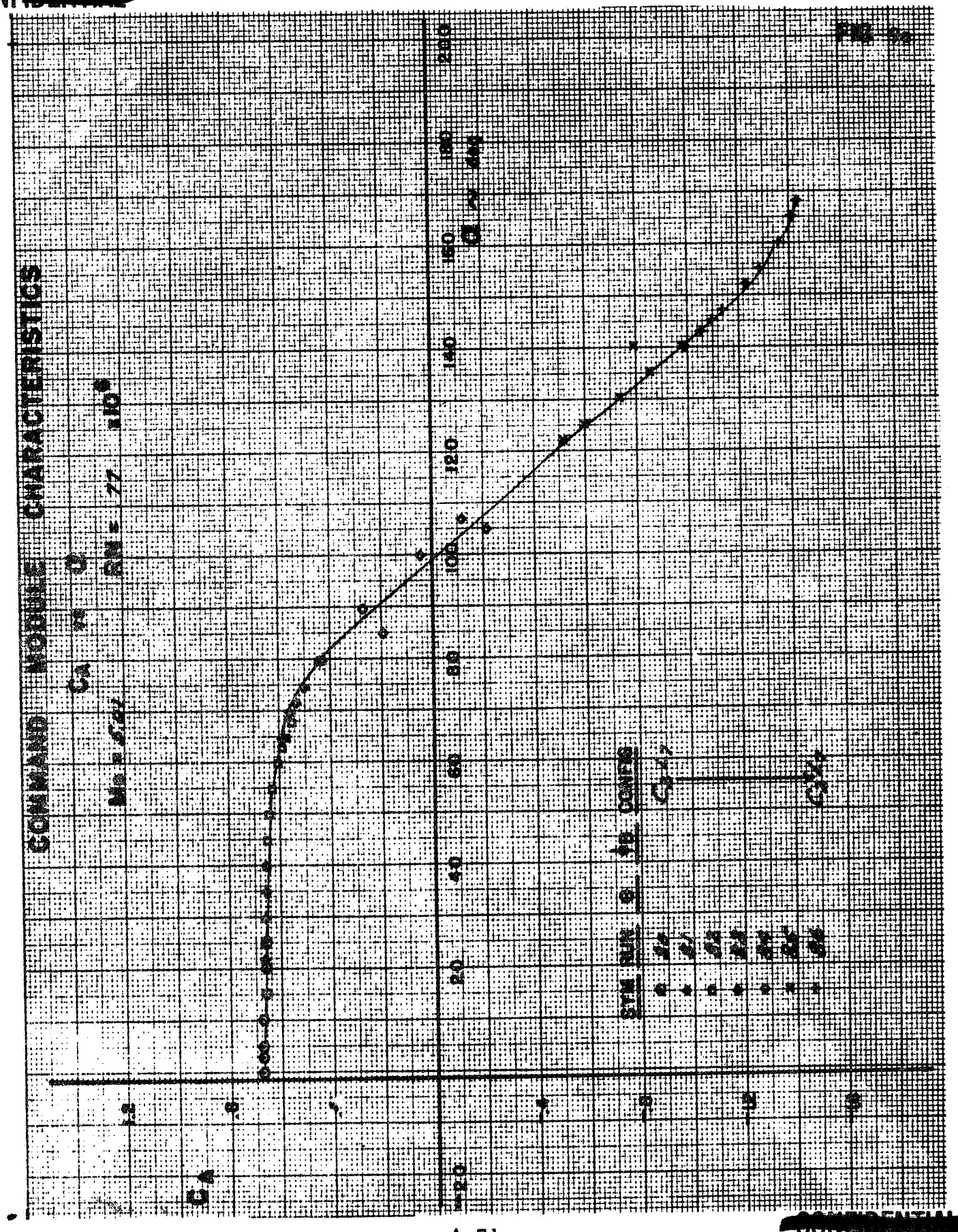
CONFI[redacted]



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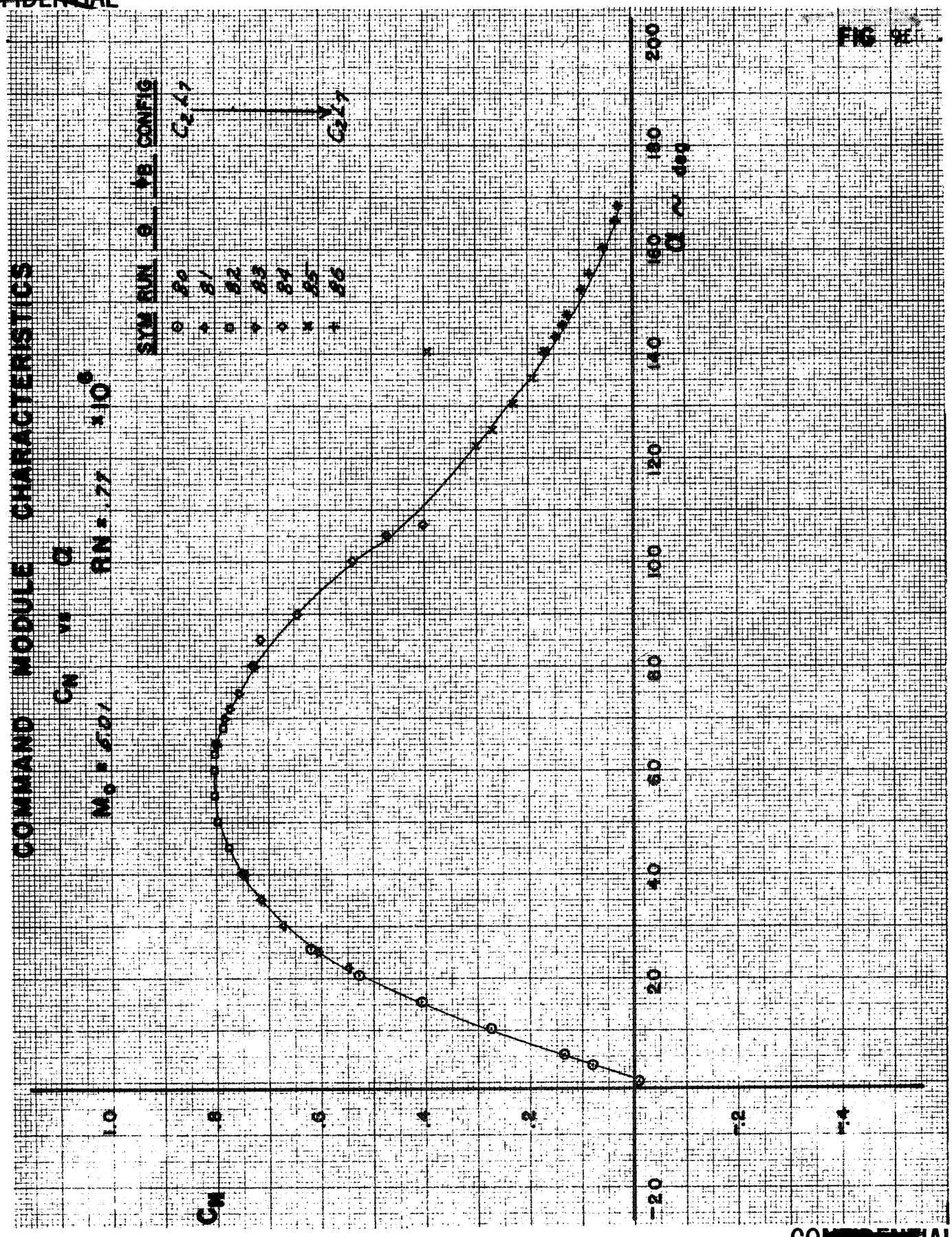

FIG 9E

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CONF[redacted]

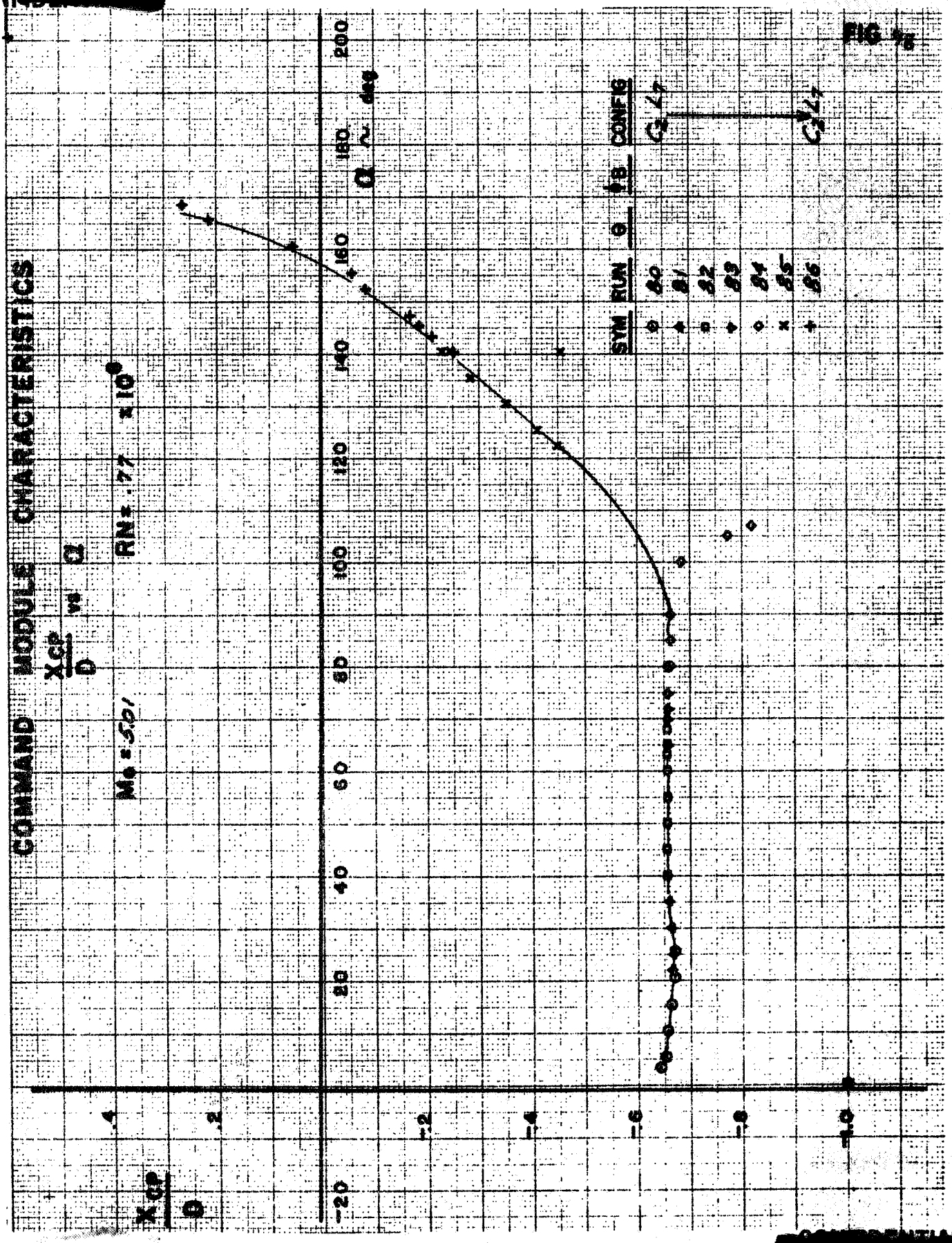

FIG [illegible]

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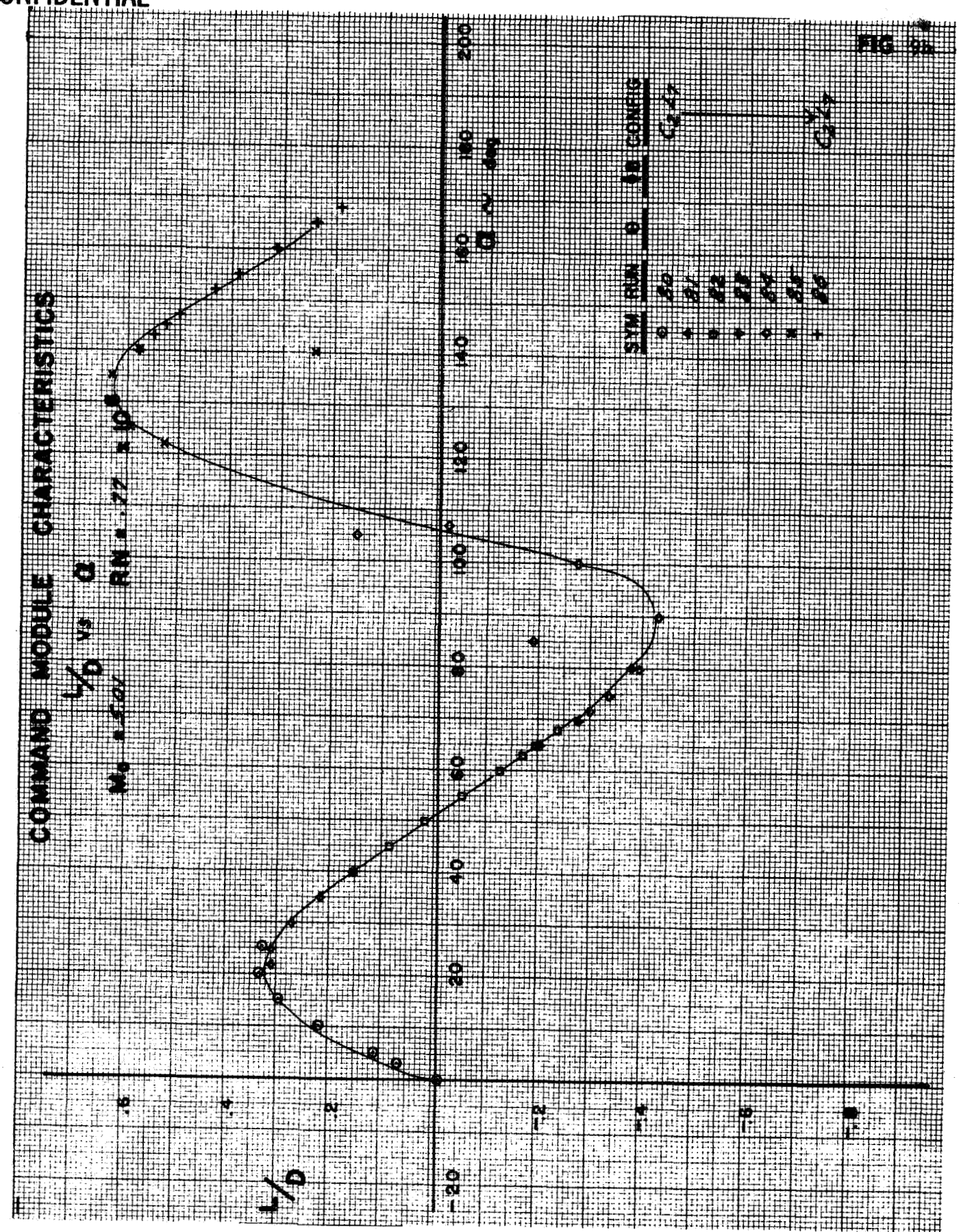

FIG 9b

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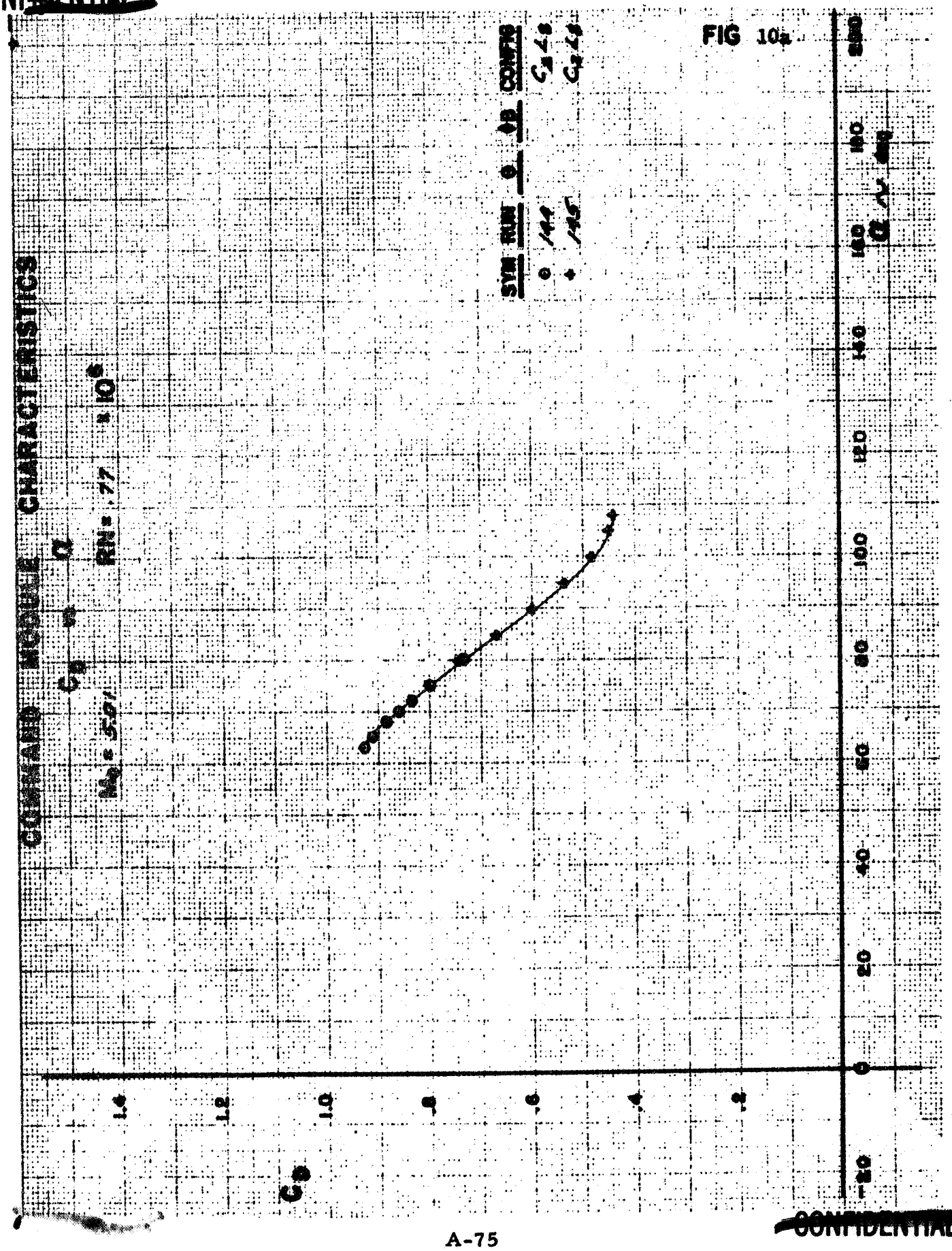

FIG 10a

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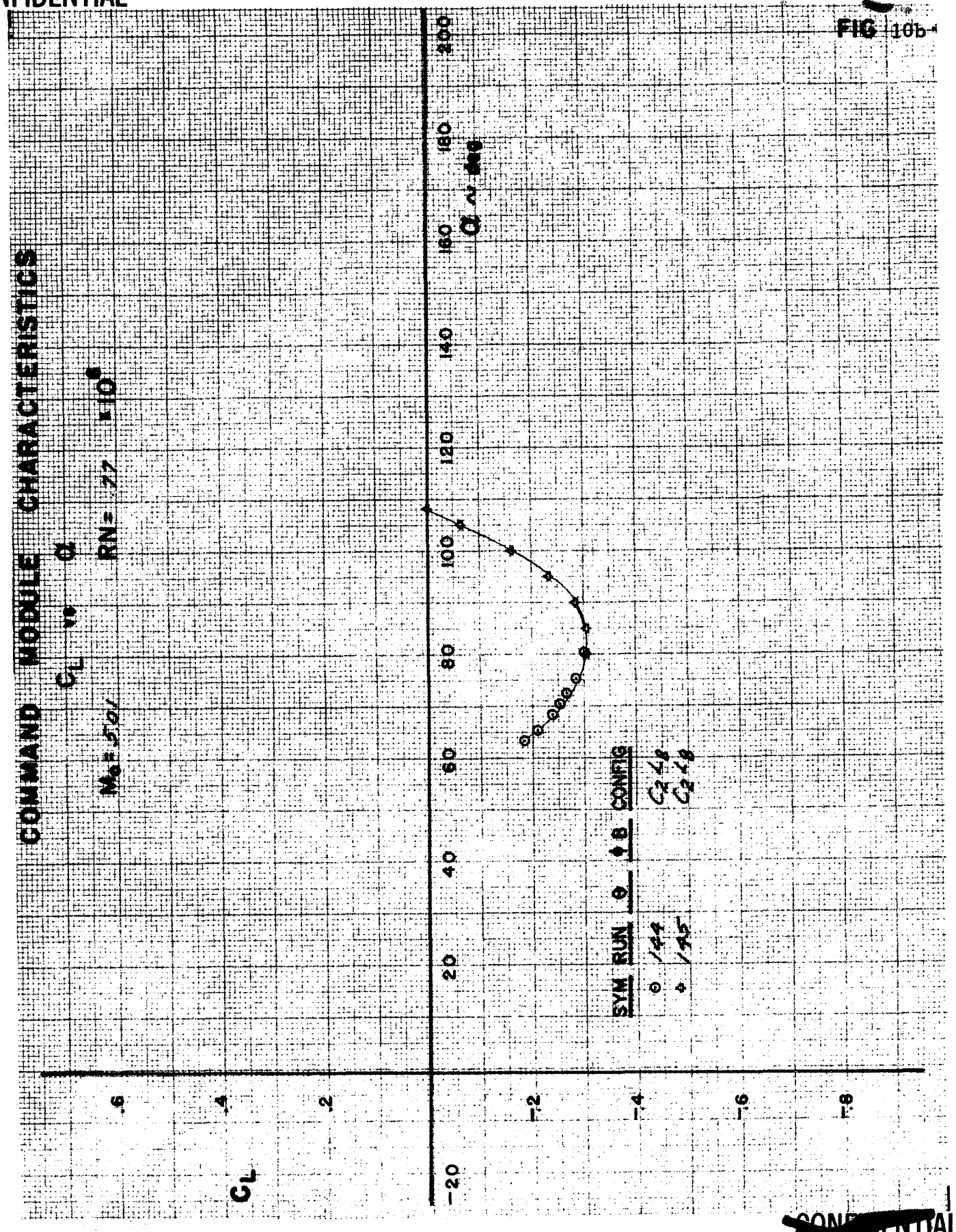
FIG 10b



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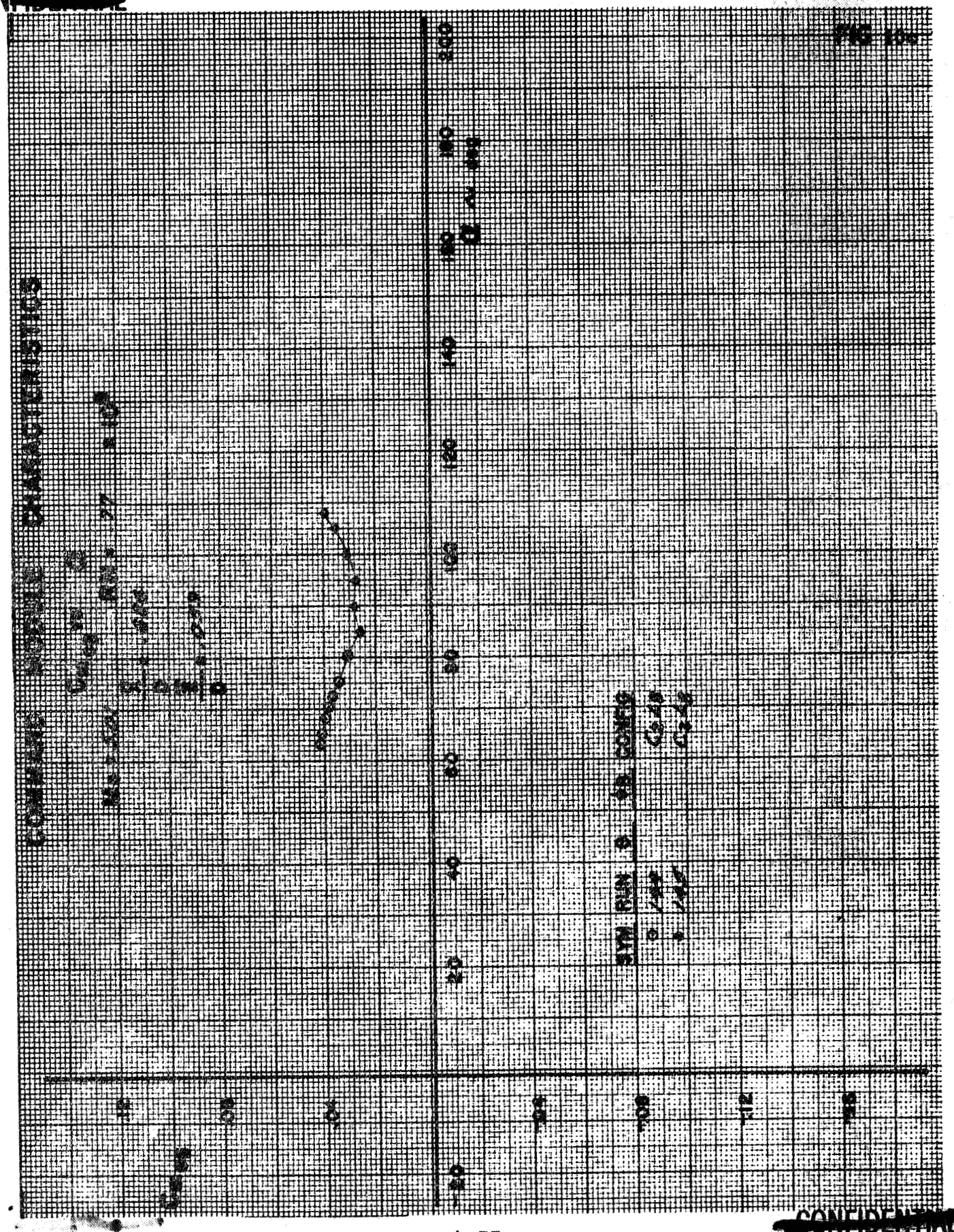

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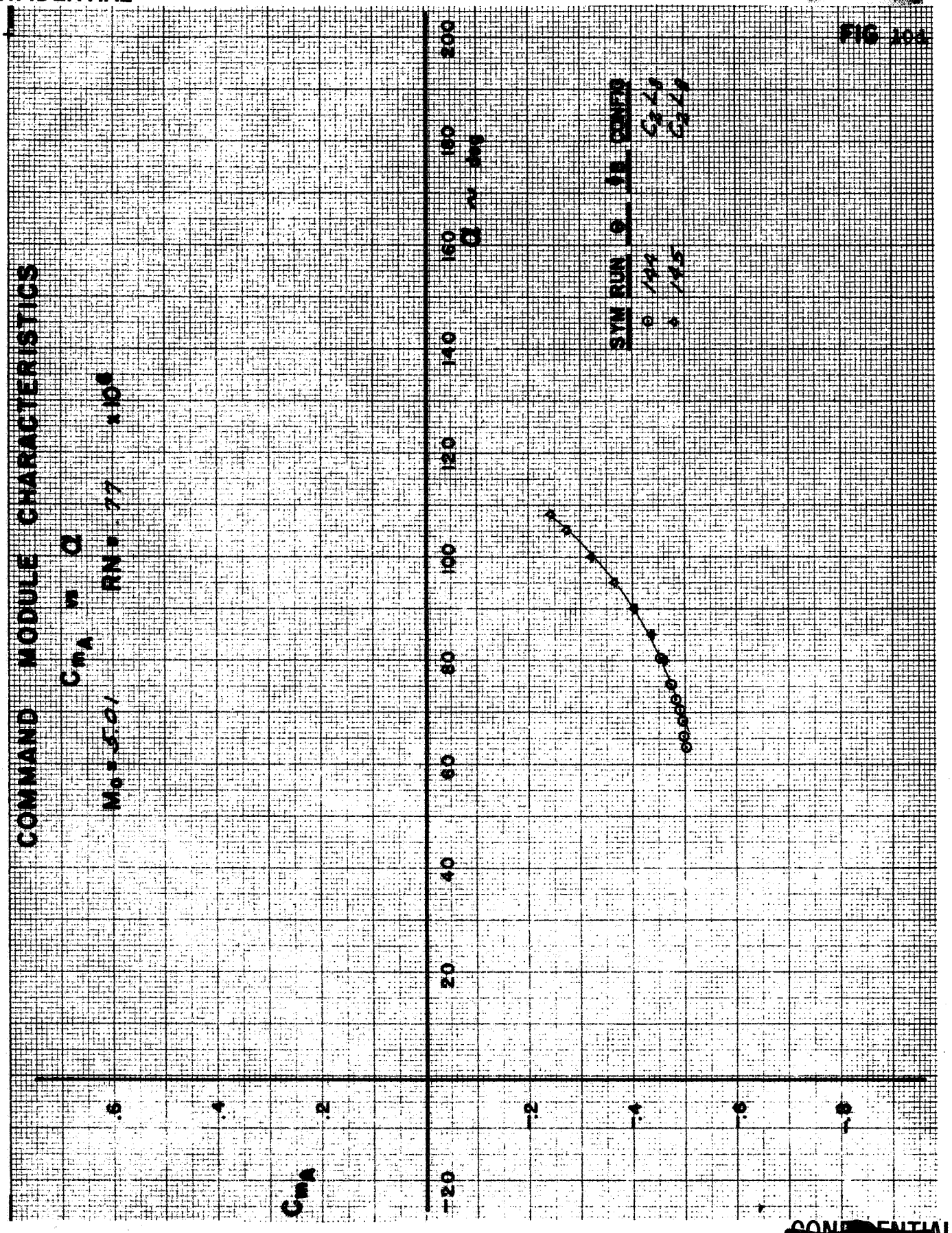

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FIG 10a

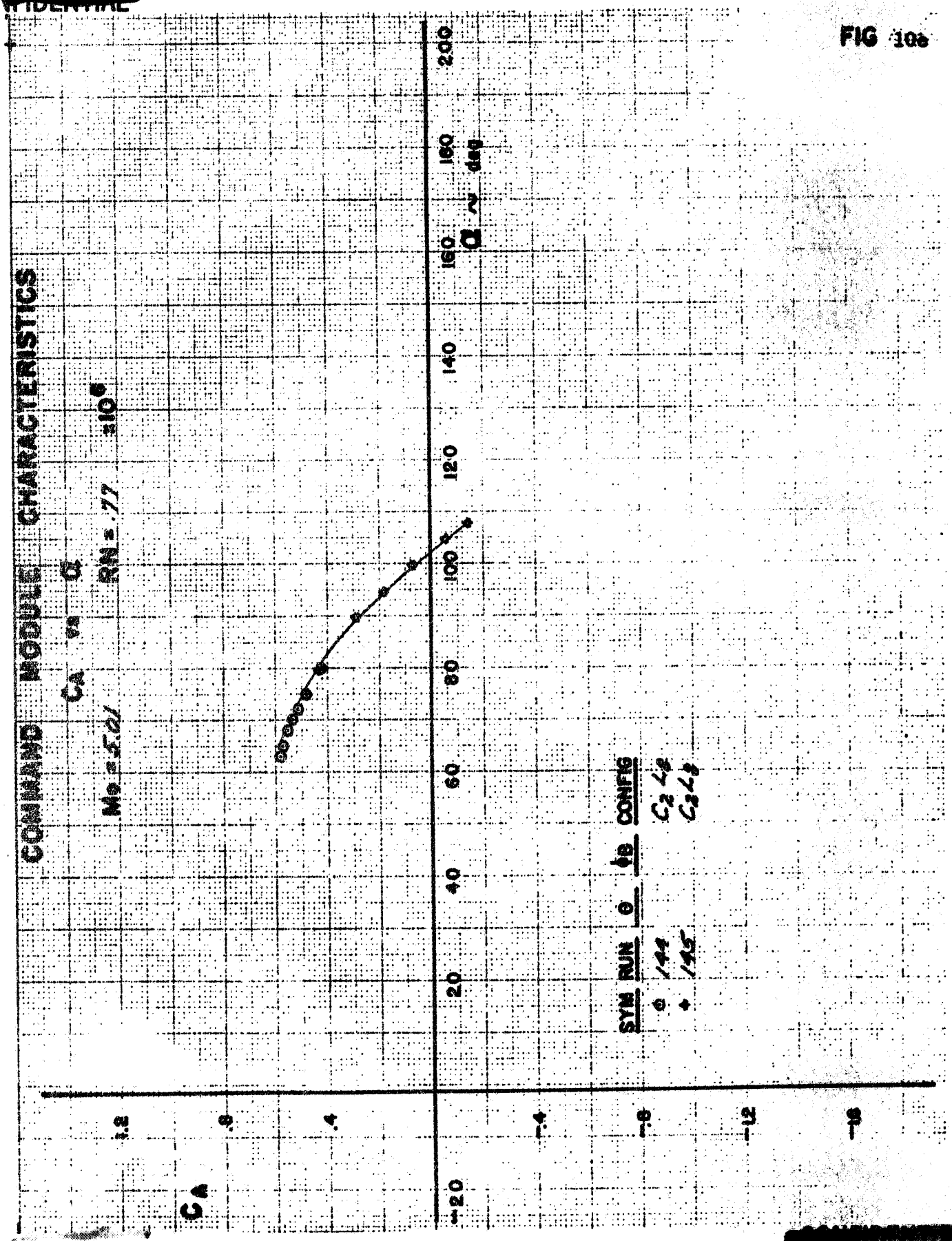

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FIG 10f

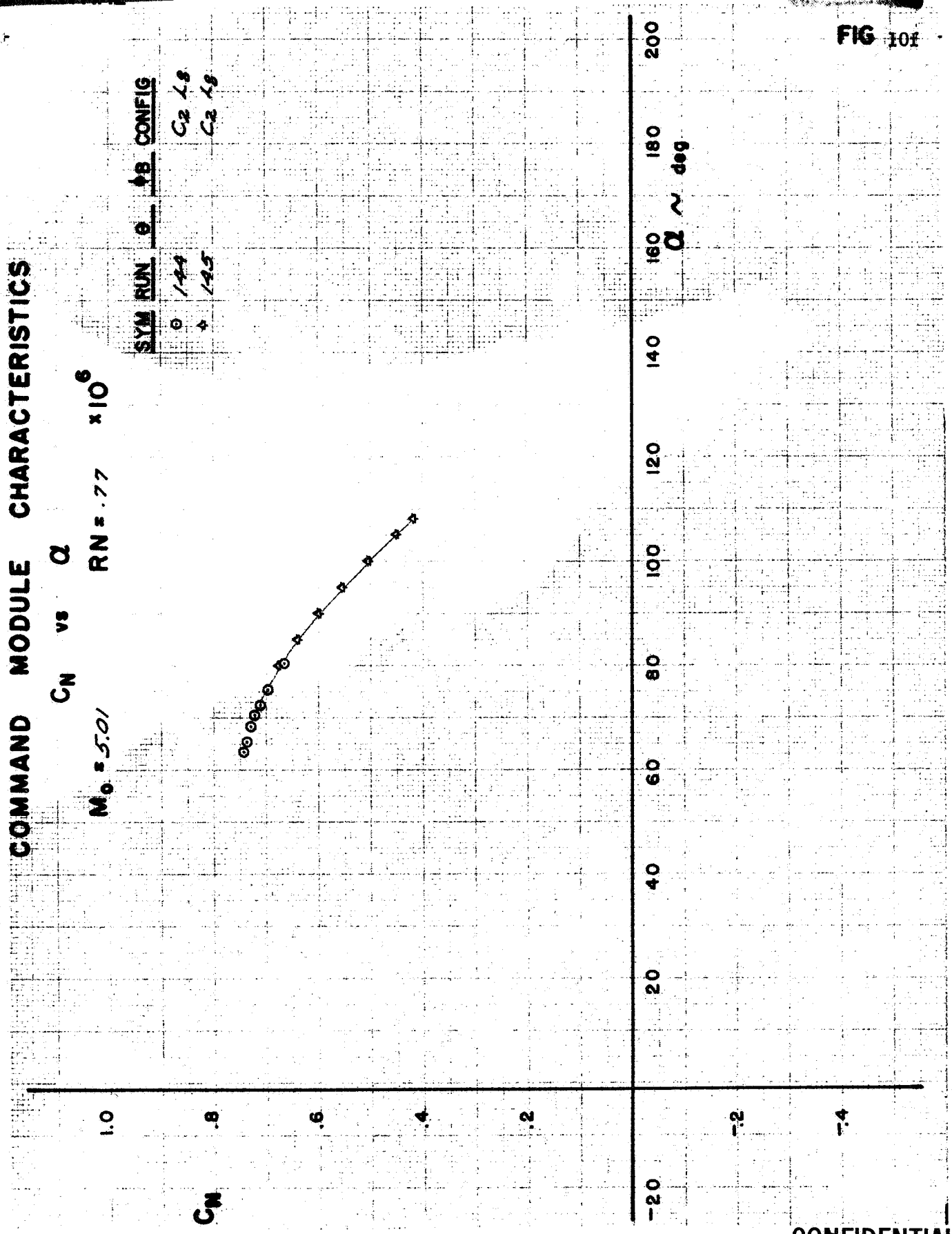

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FIG 10g

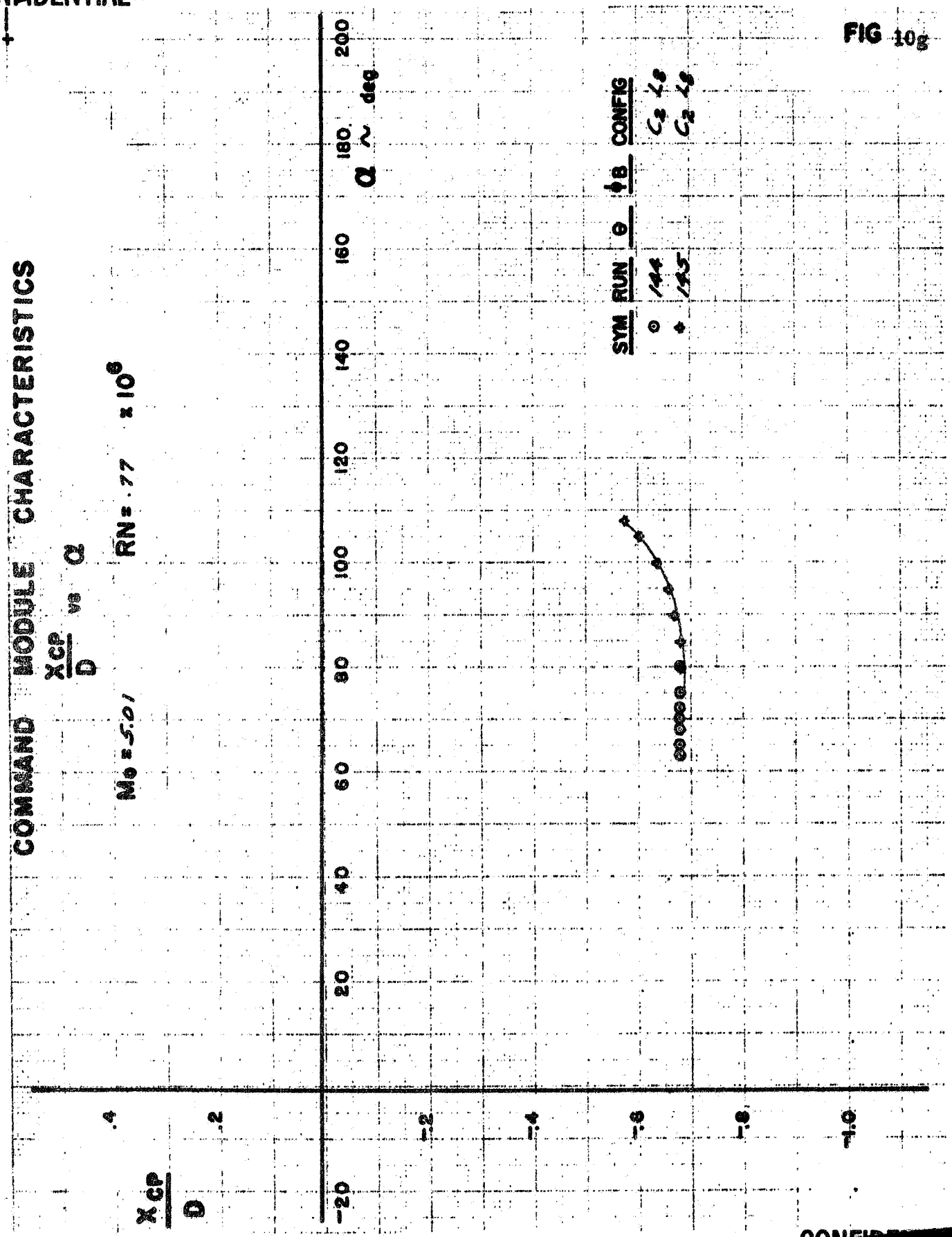

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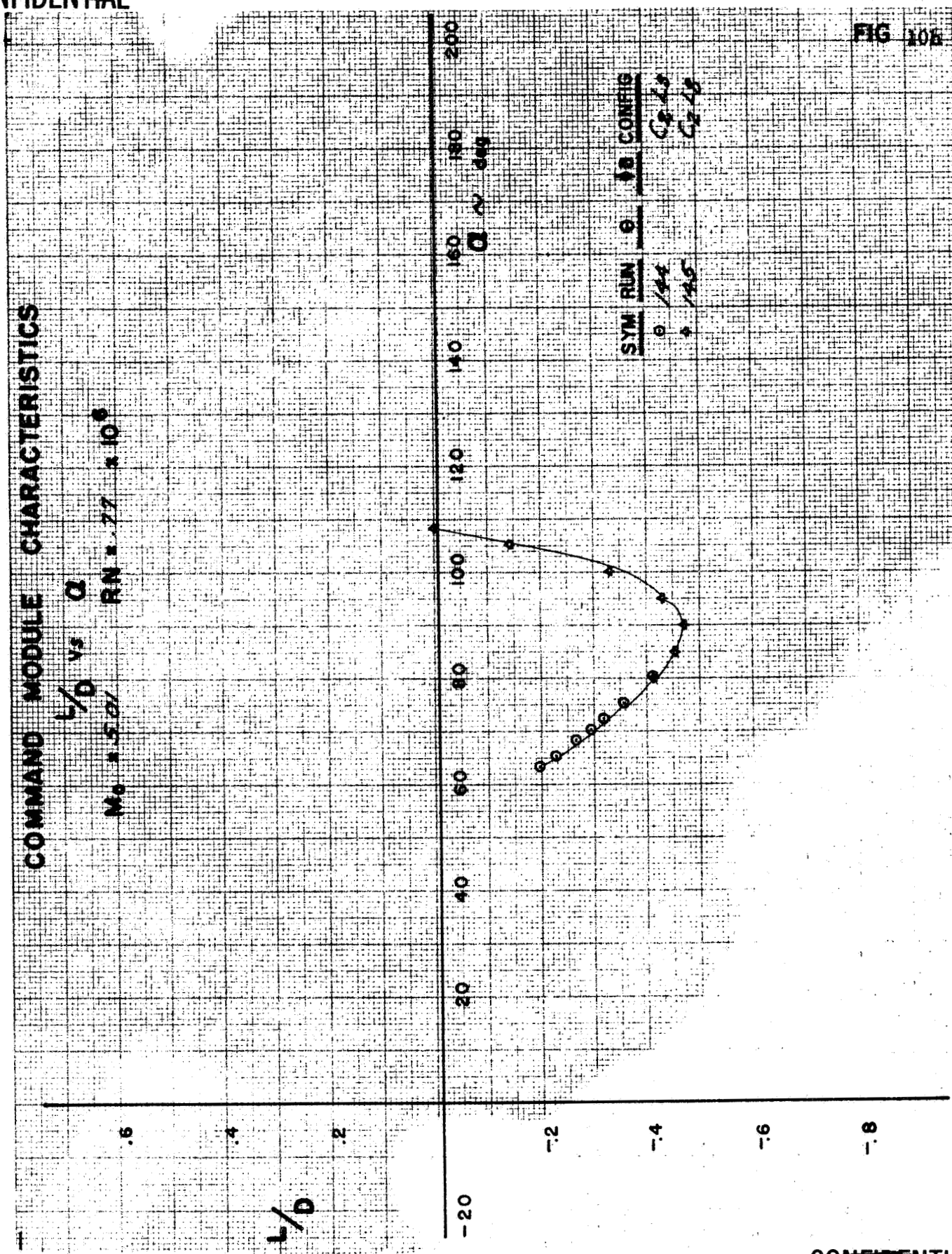
FIG 10b



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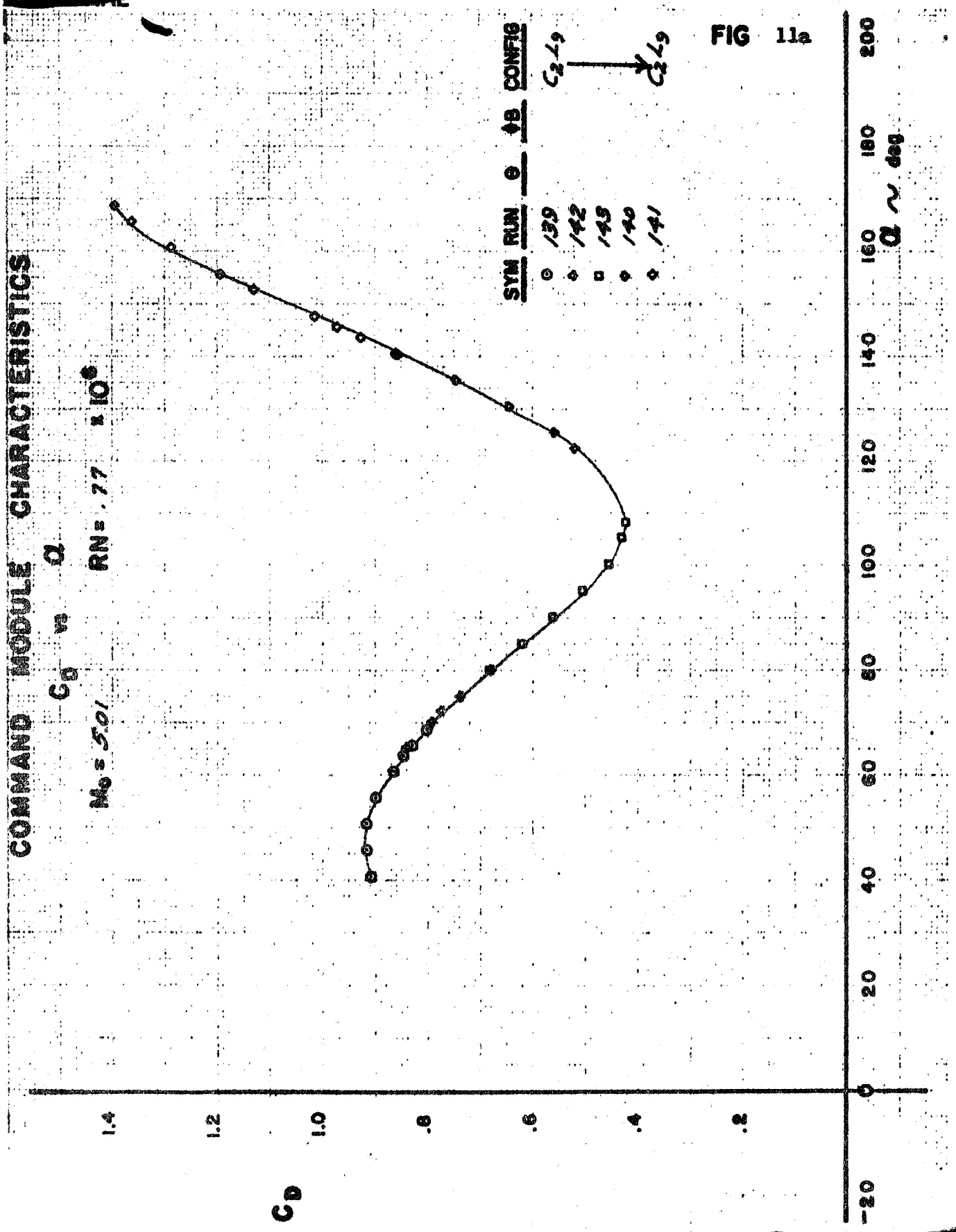

FIG 11a

[redacted]

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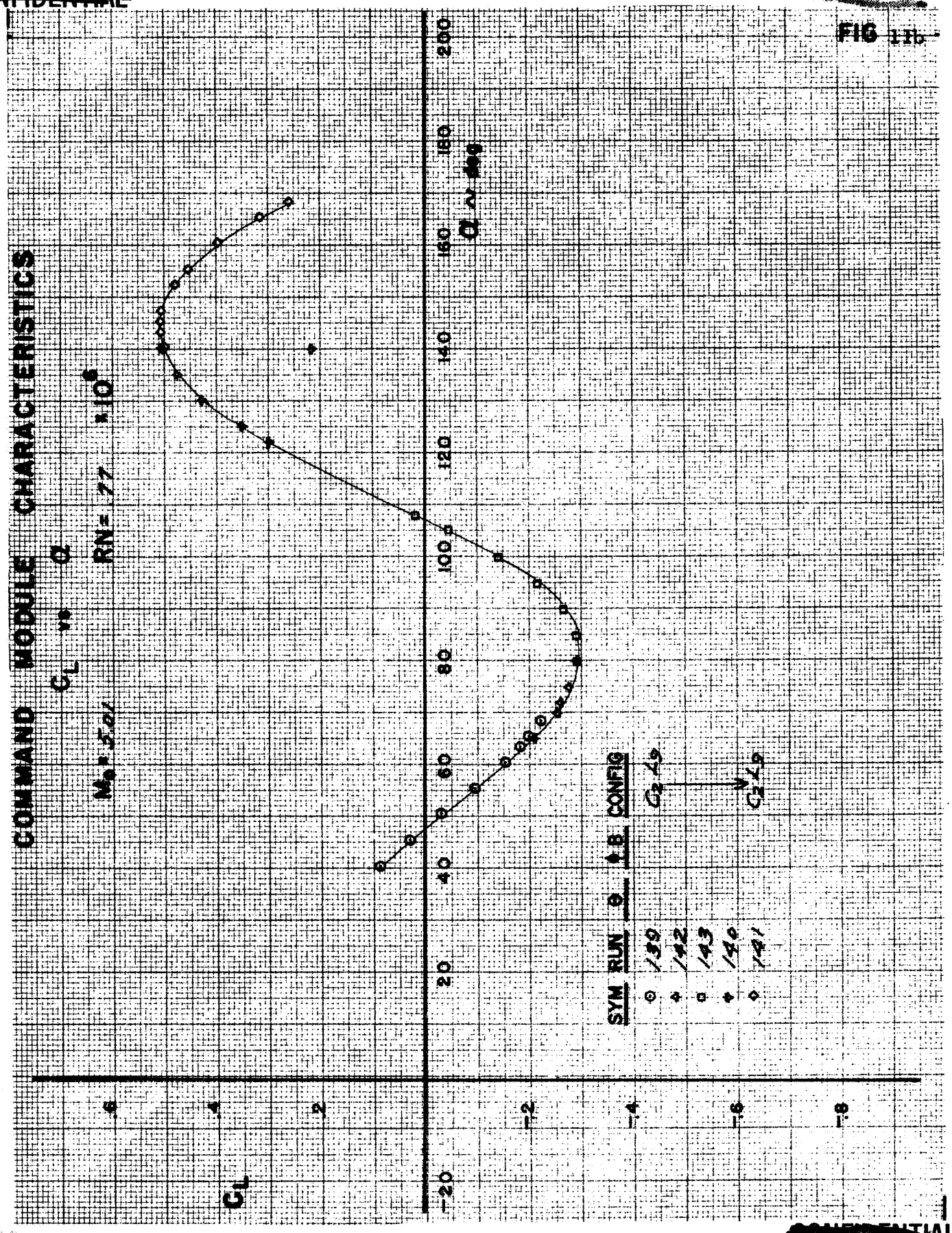
FIG 11b



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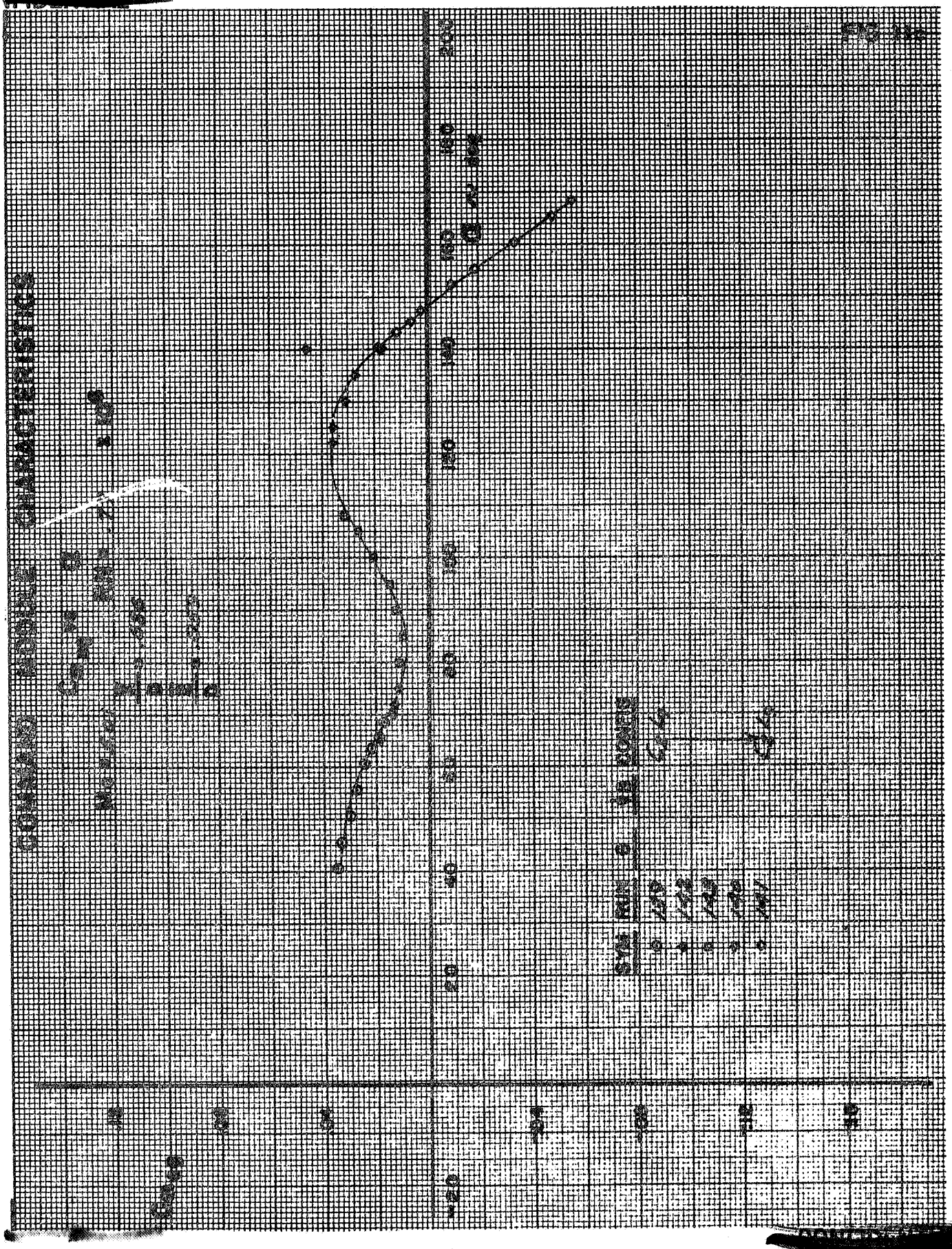
[redacted]



[redacted]

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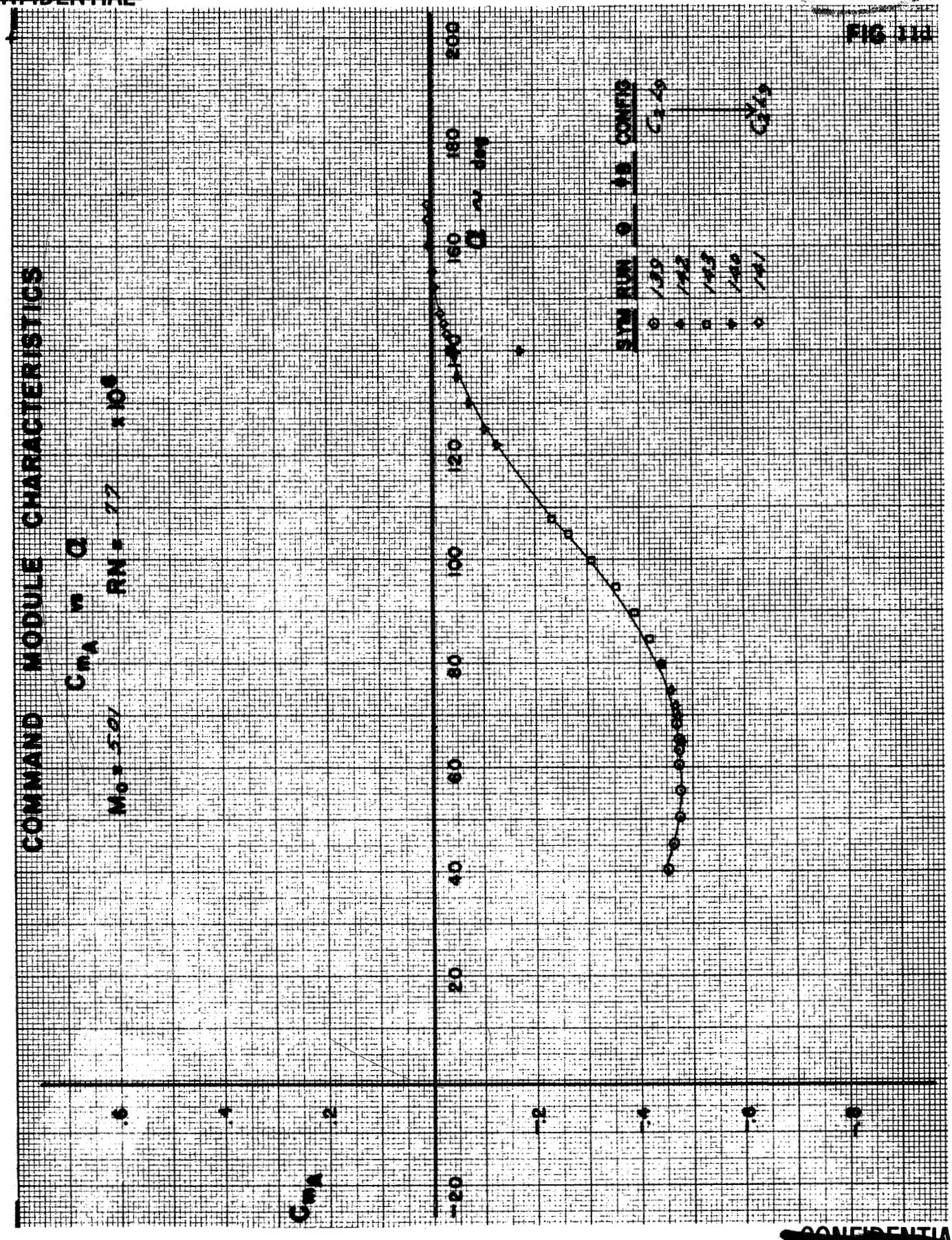
FIG 11d



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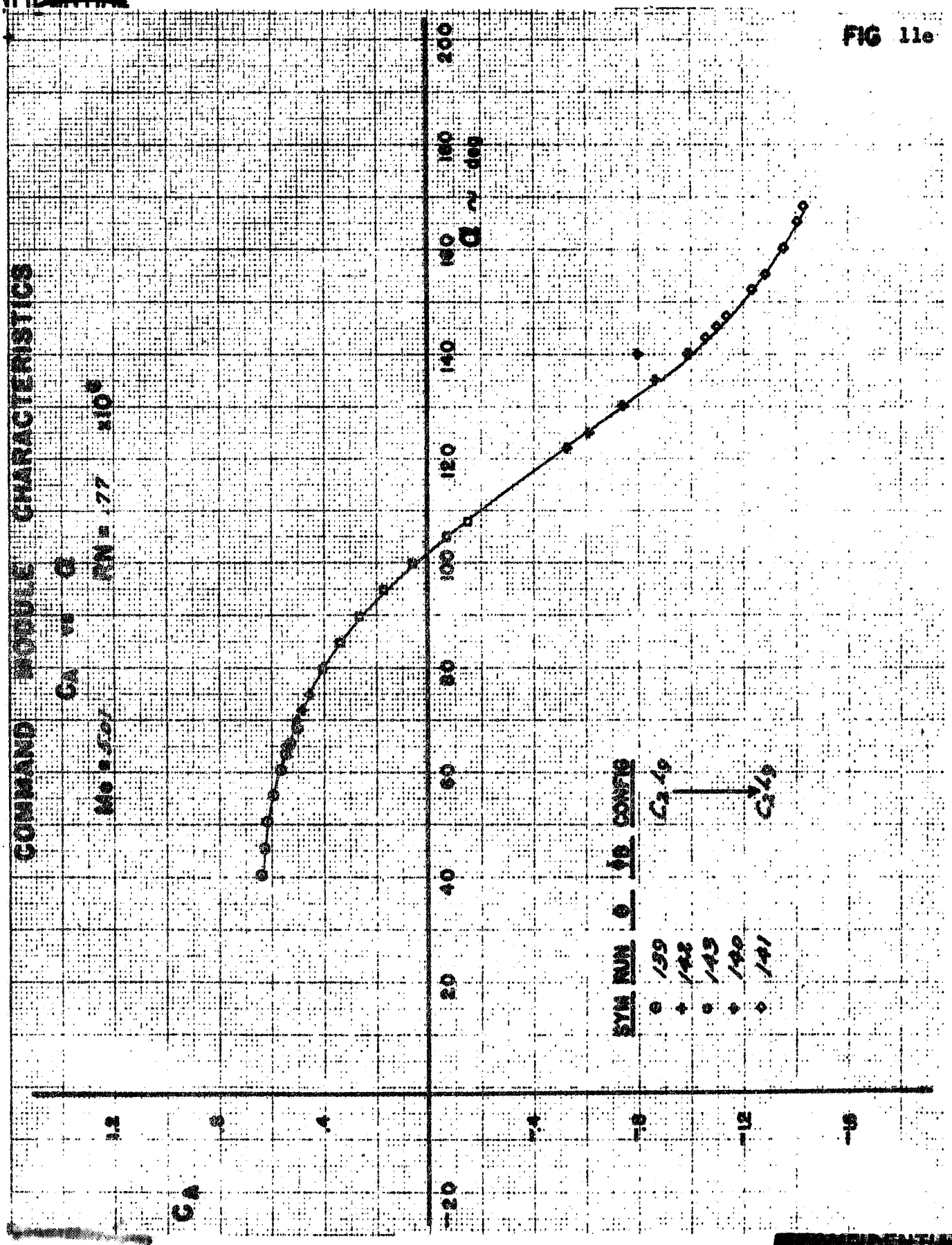
CONFI[redacted]

FIG 11e

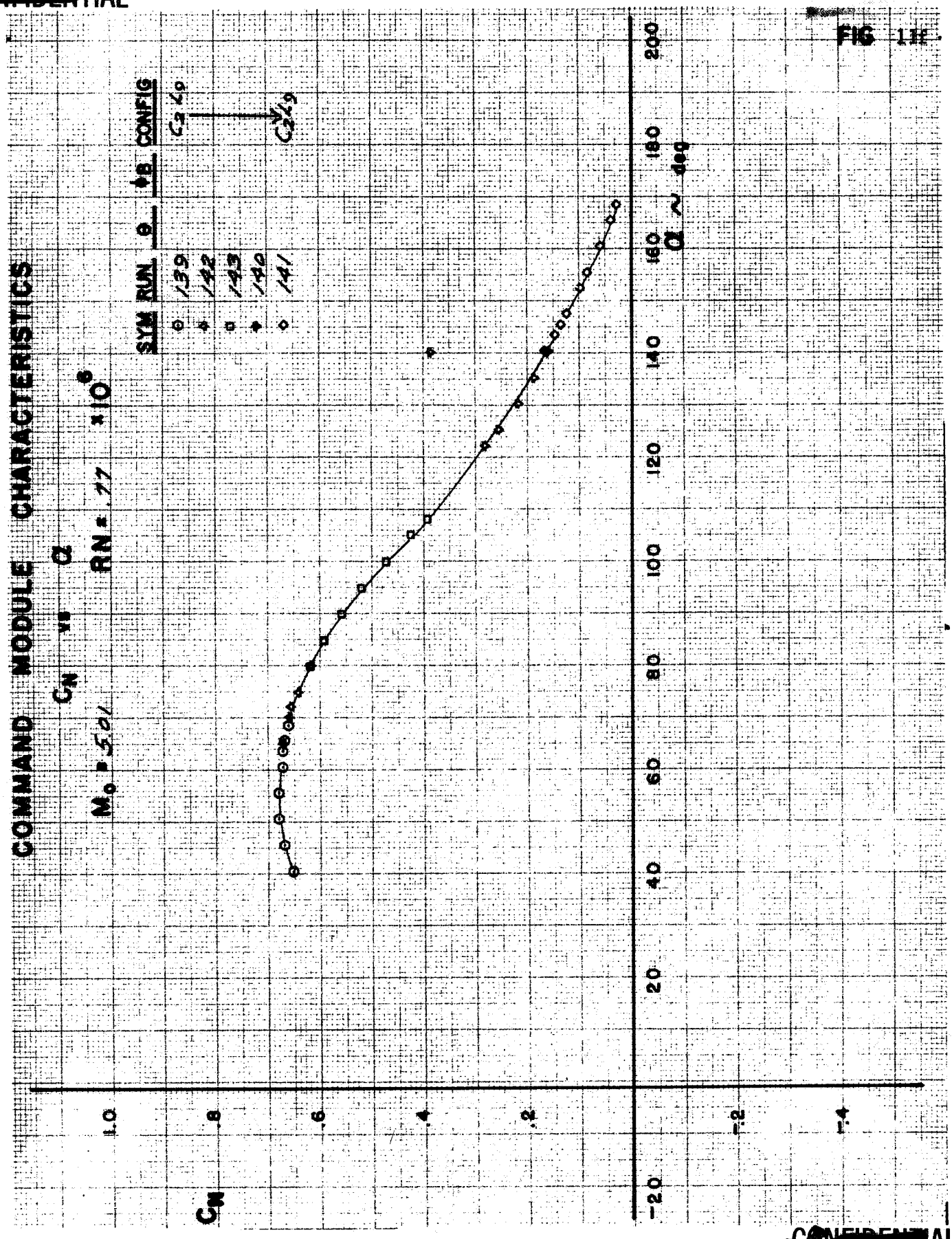


[redacted]

[redacted]

[redacted]

FIG 11f



[redacted]

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FIG 11g

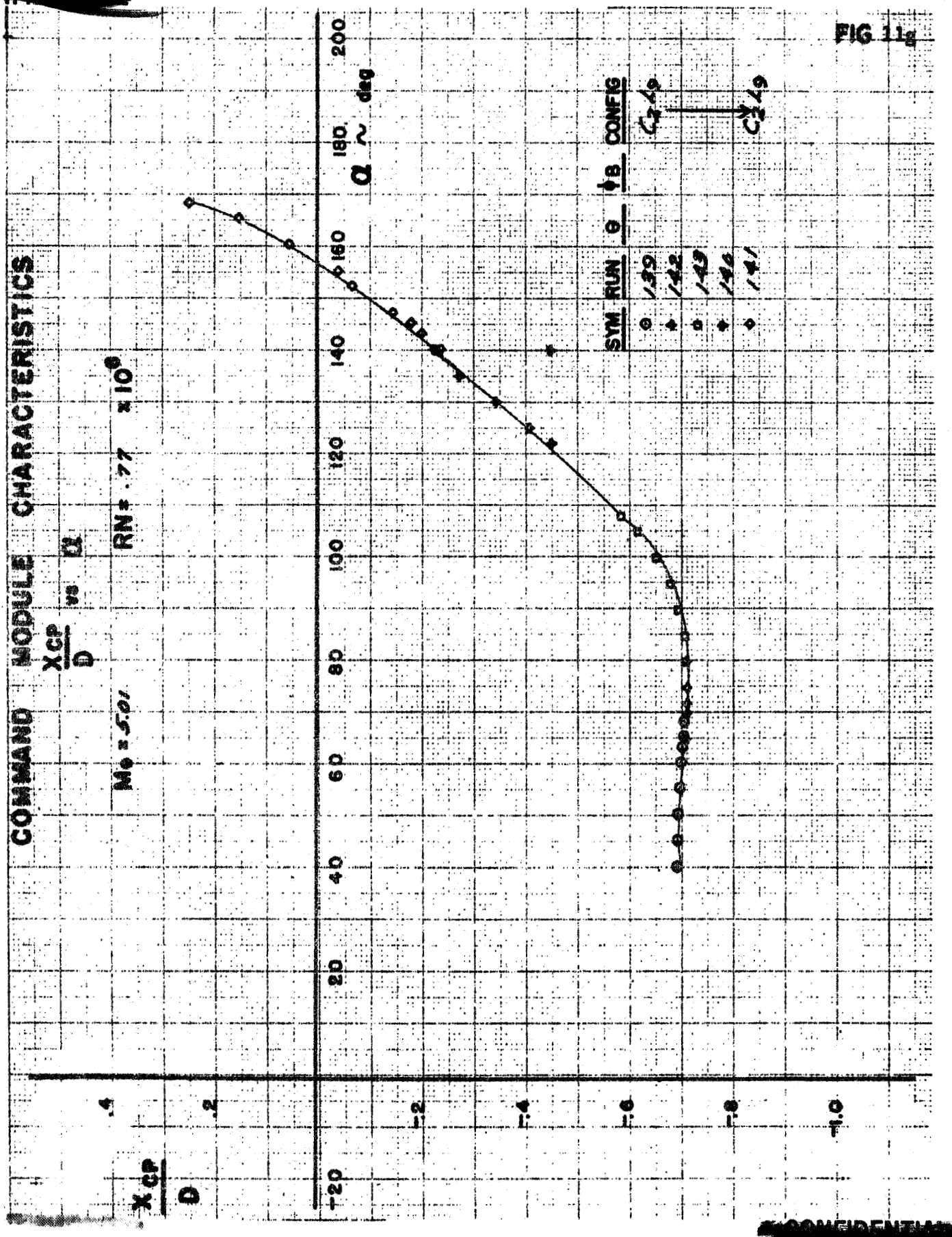

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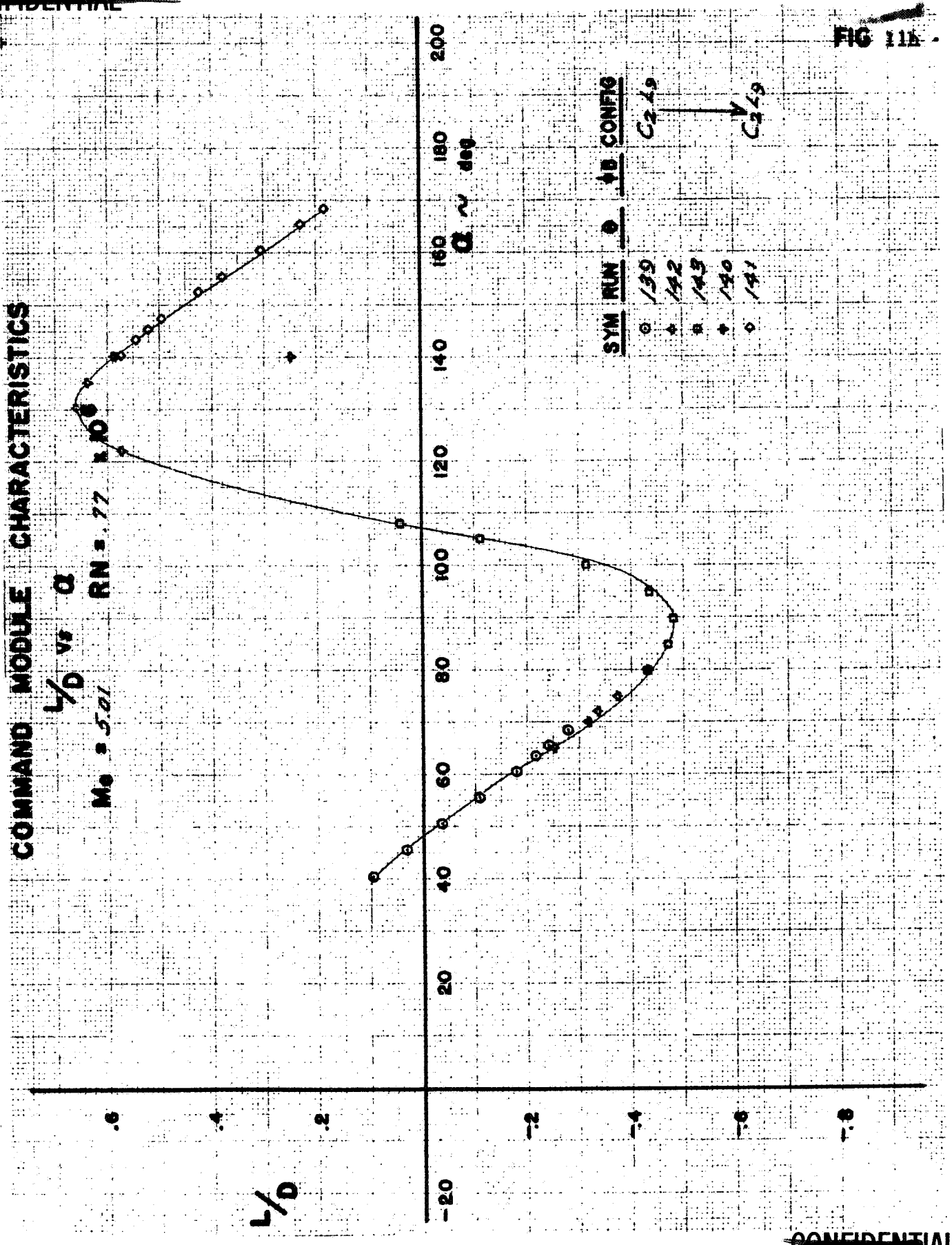
FIG 11b



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[redacted]

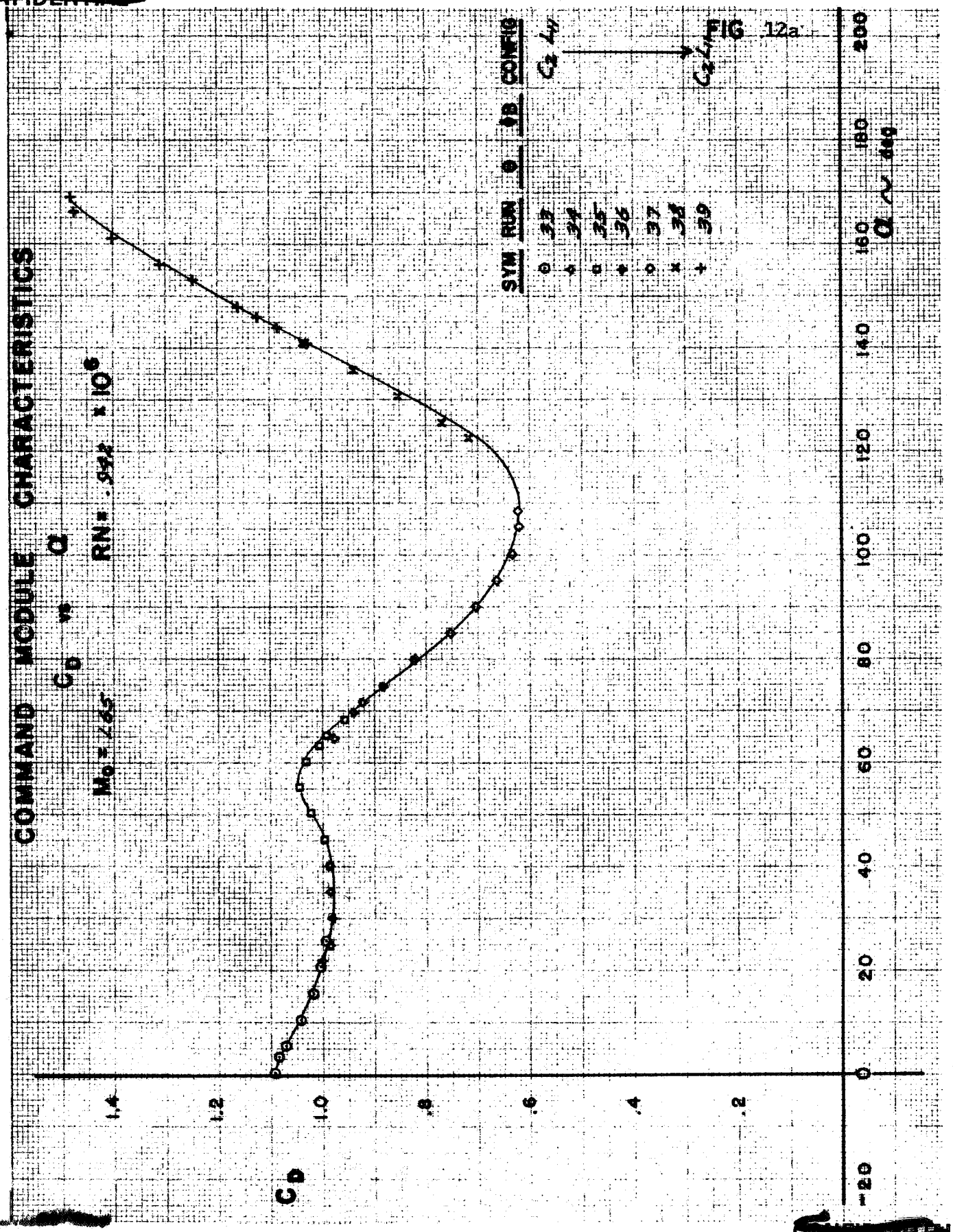

FIG 12a

[redacted]

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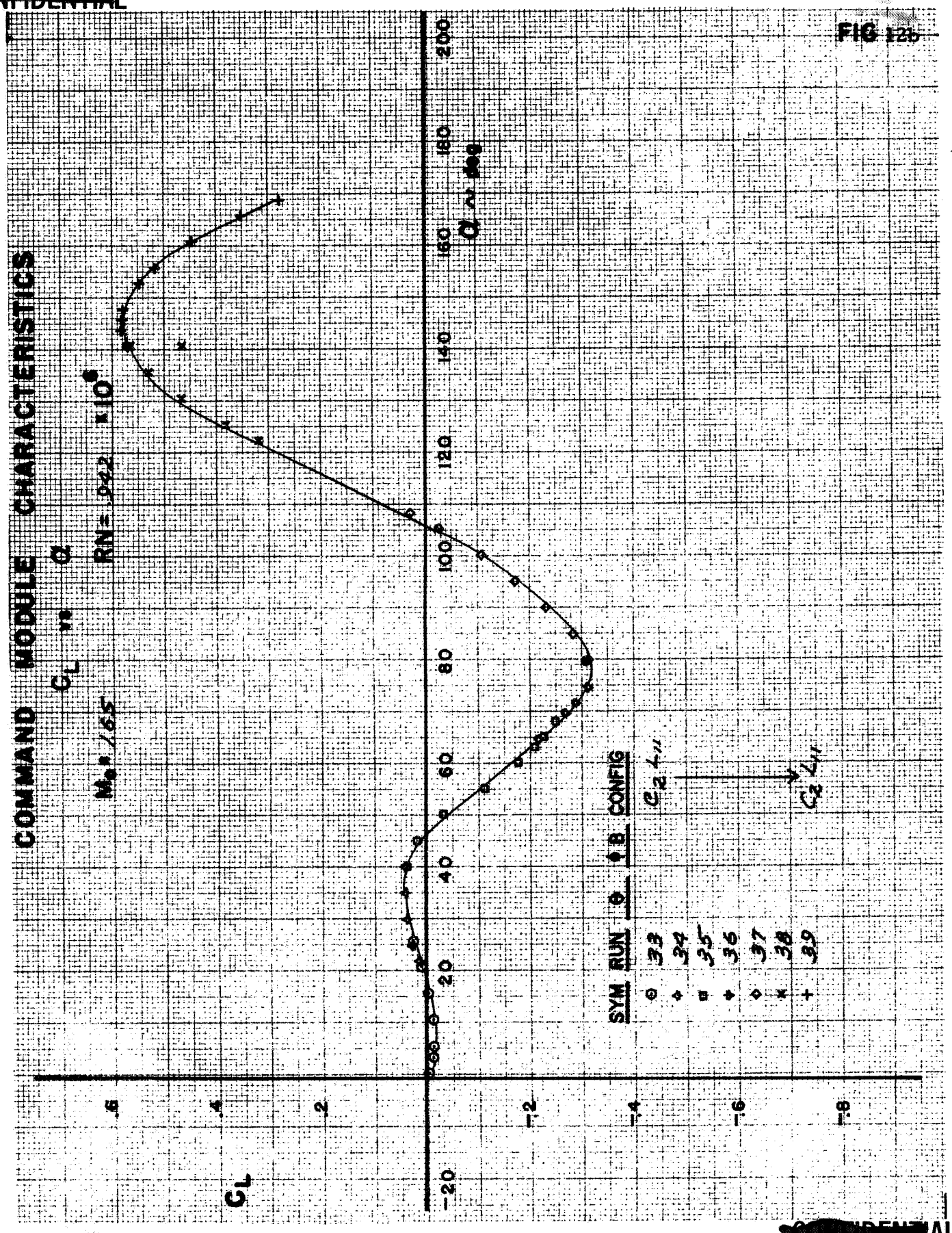
FIG 12b



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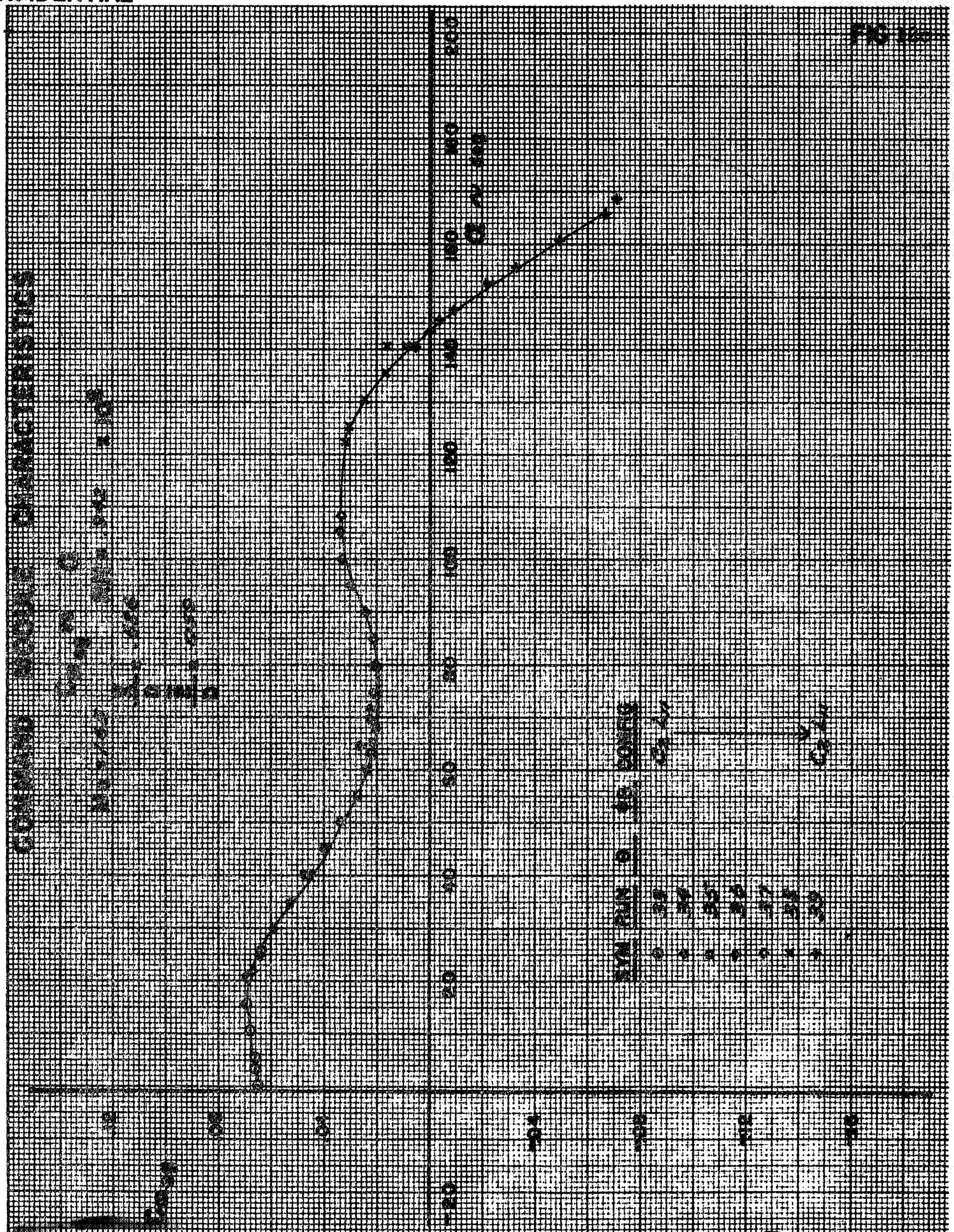

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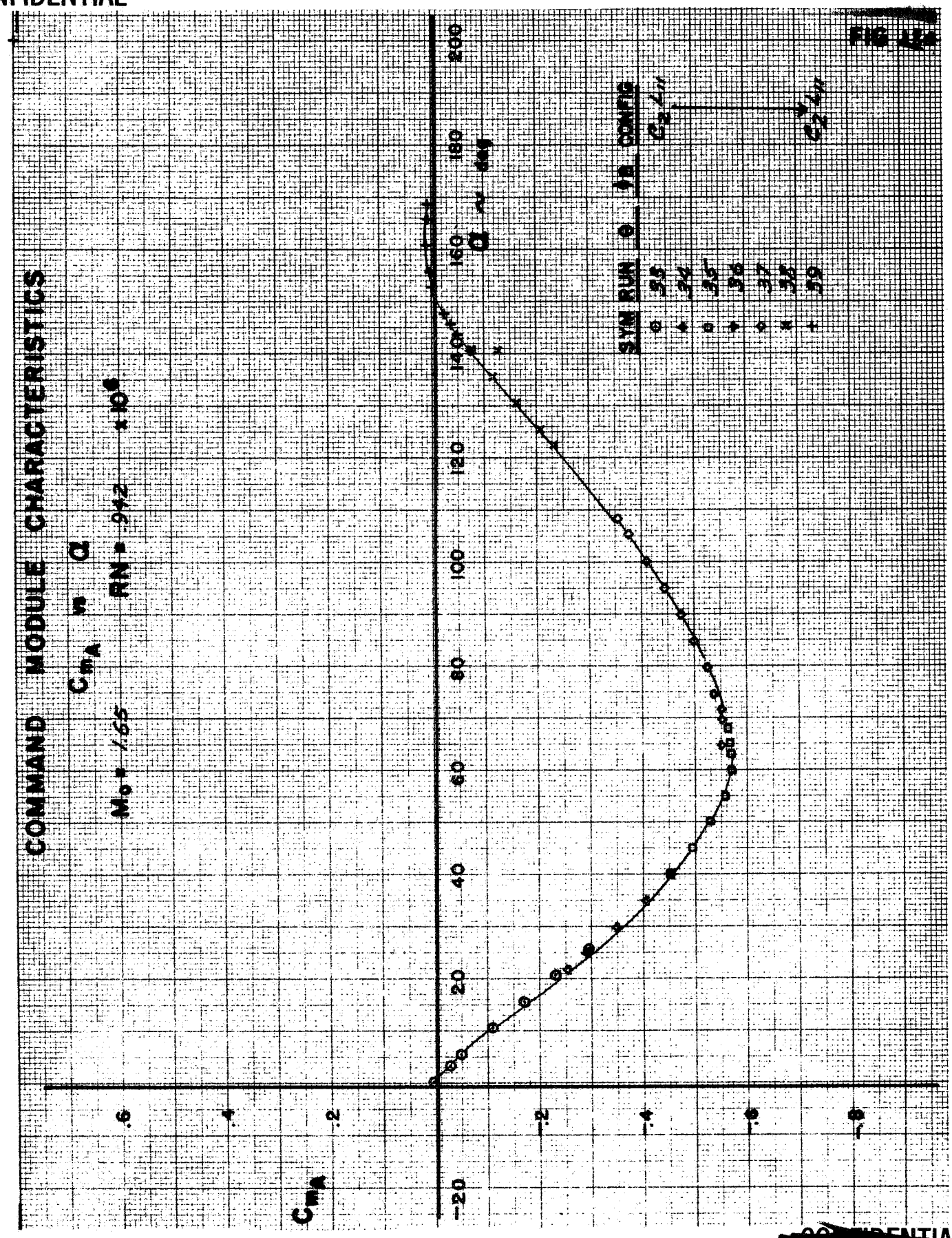

FIG A24

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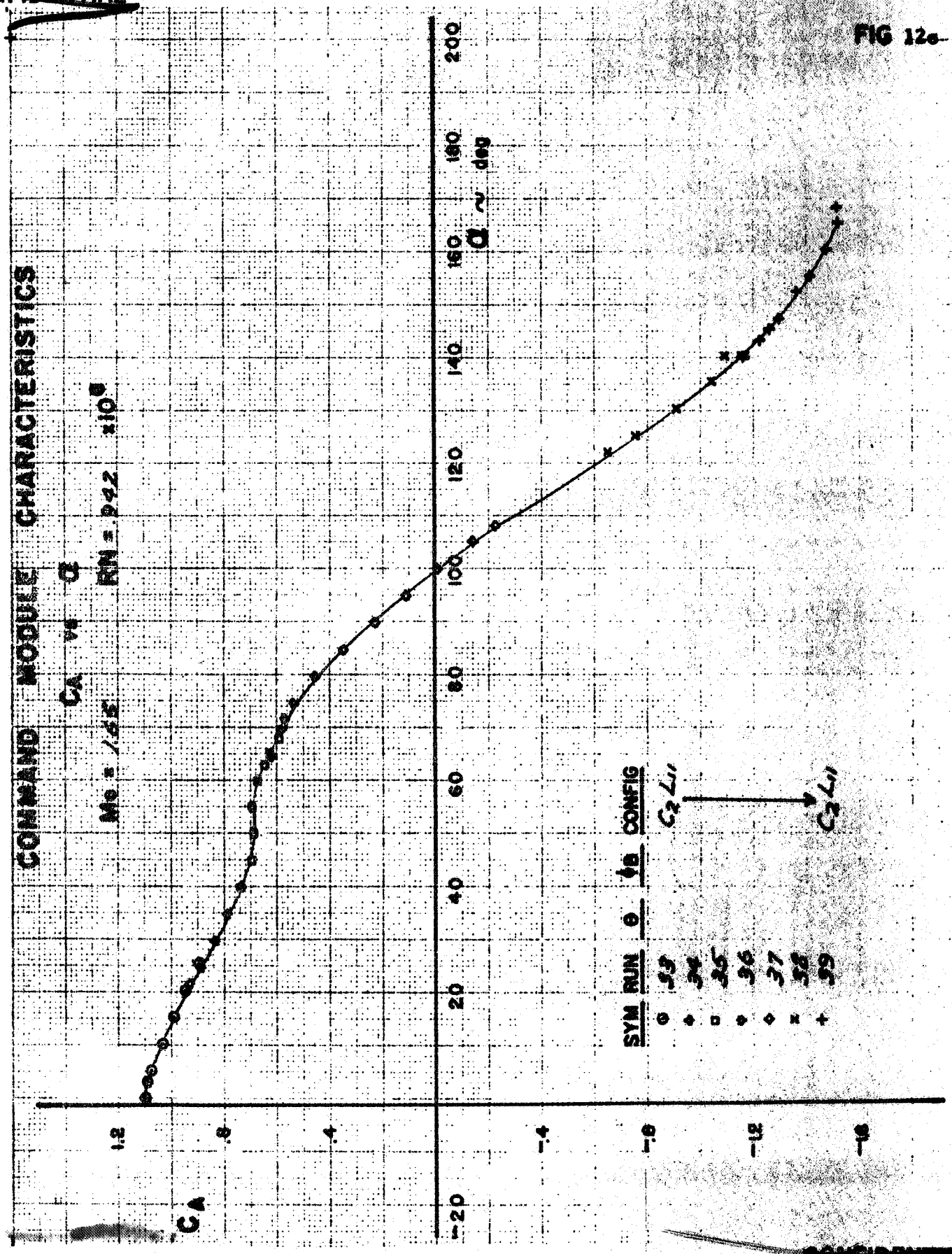
FIG 12e



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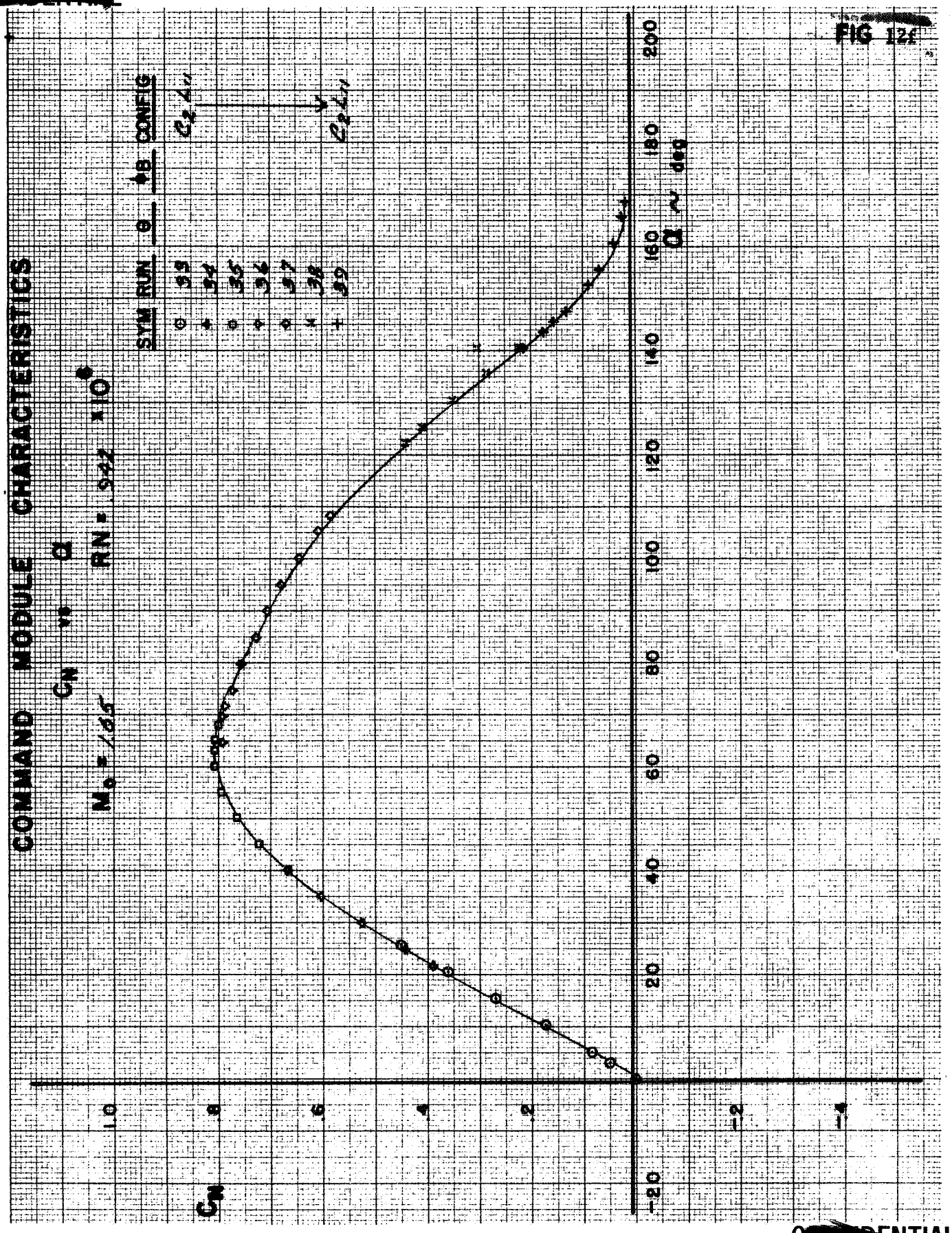

FIG 12f

[redacted]

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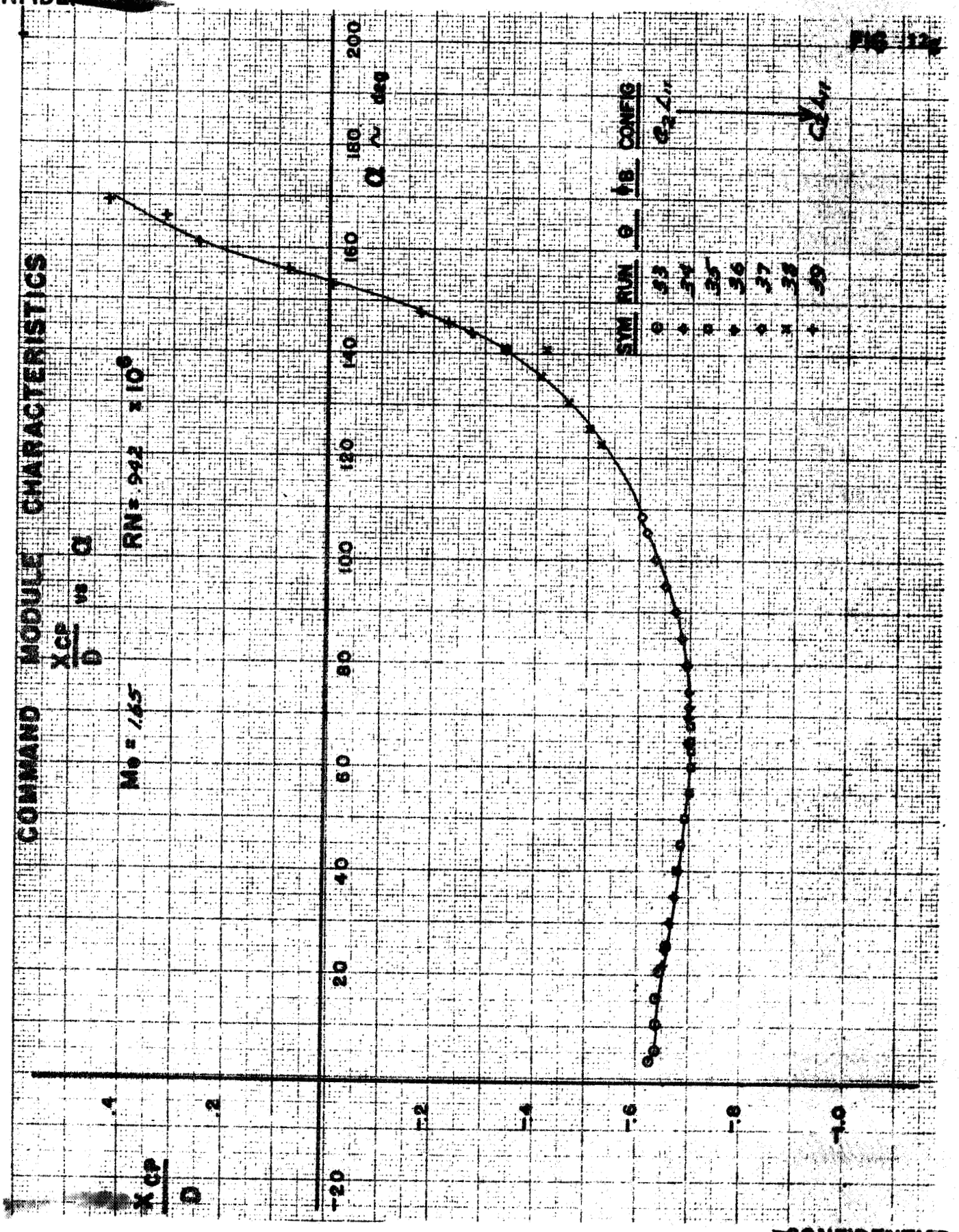

FIG. 12

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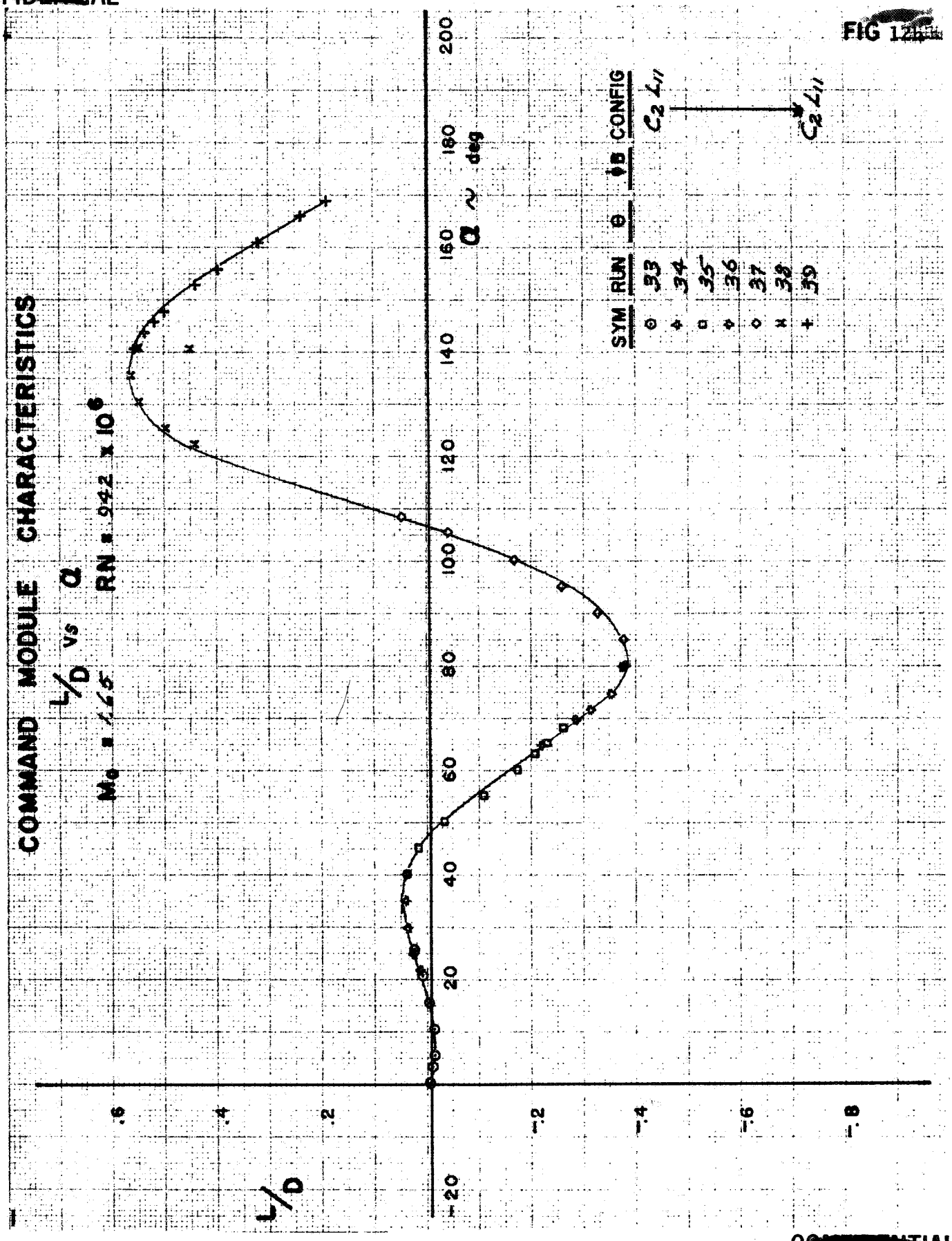
[redacted]

FIG 12[redacted]



[redacted]

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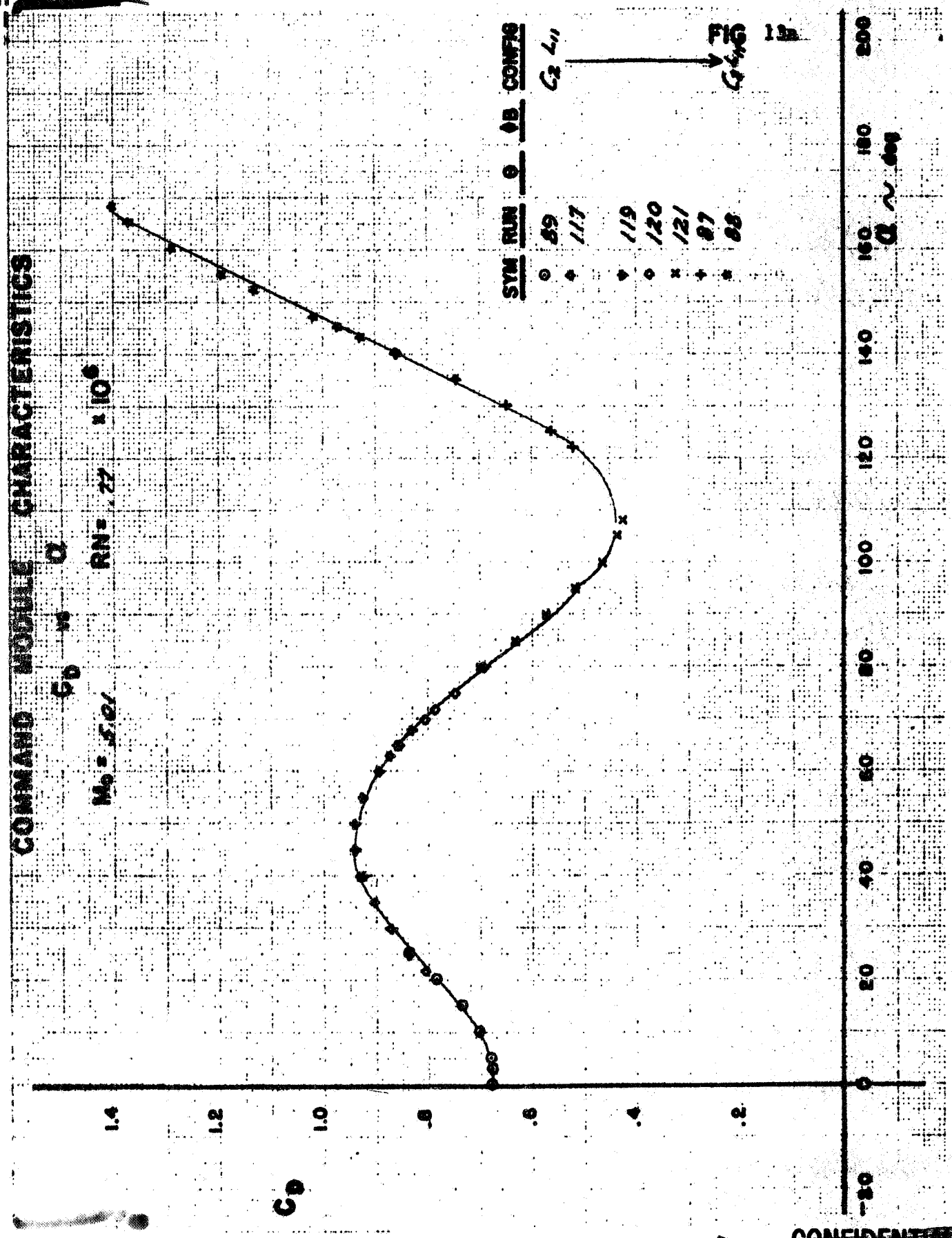
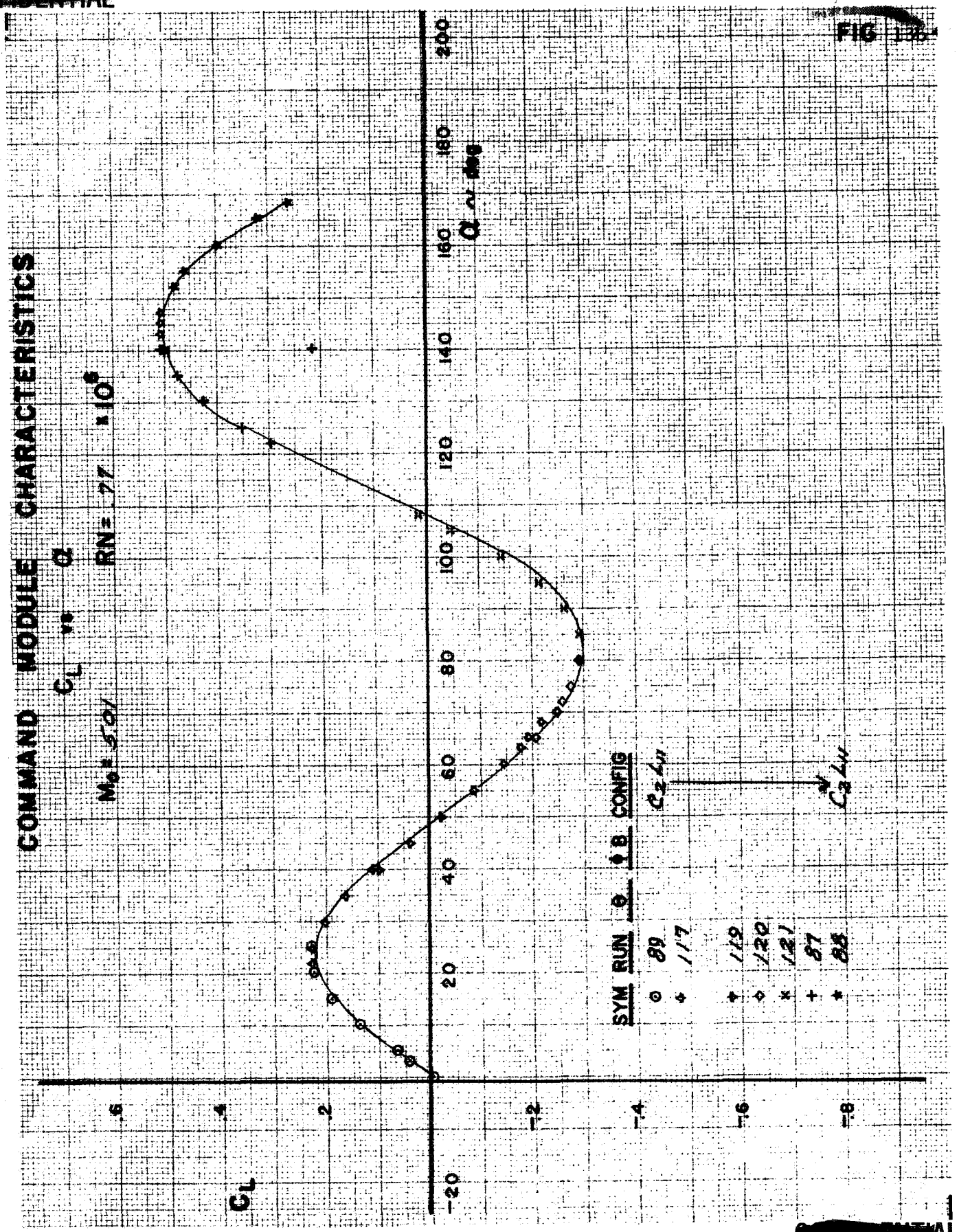


FIG 12

CONFIDENTIAL

[redacted]

FIG 136



[redacted]

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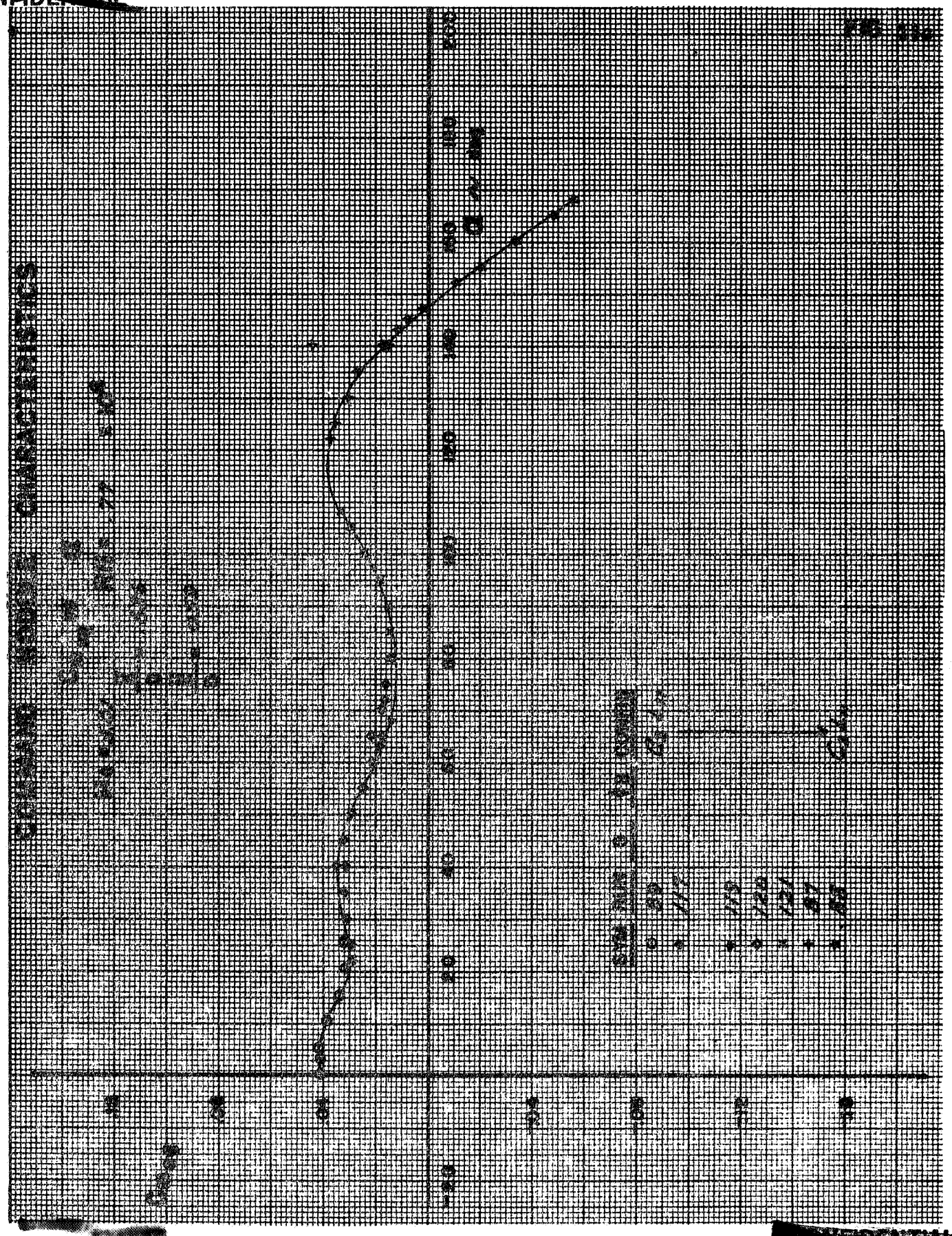

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[redacted]

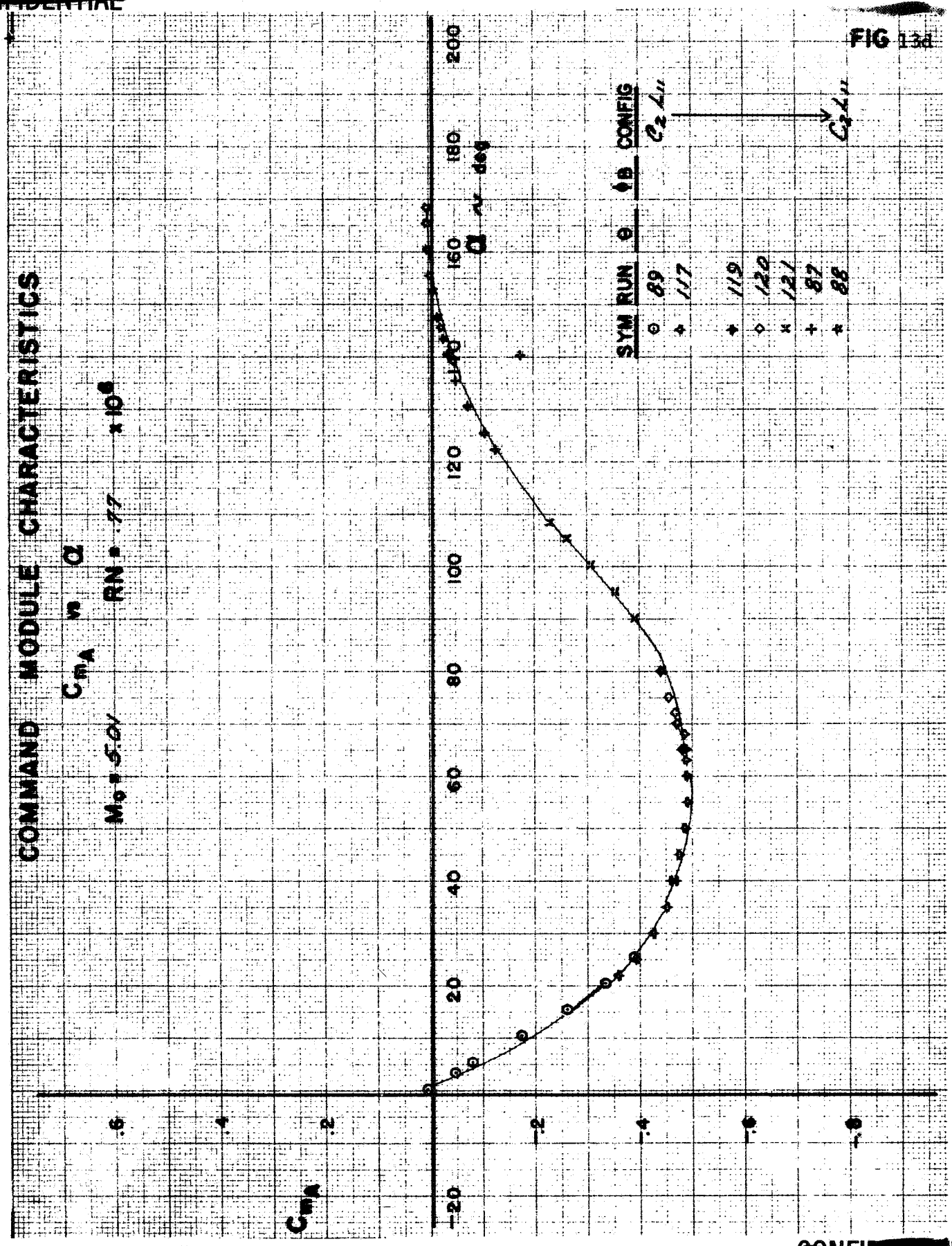
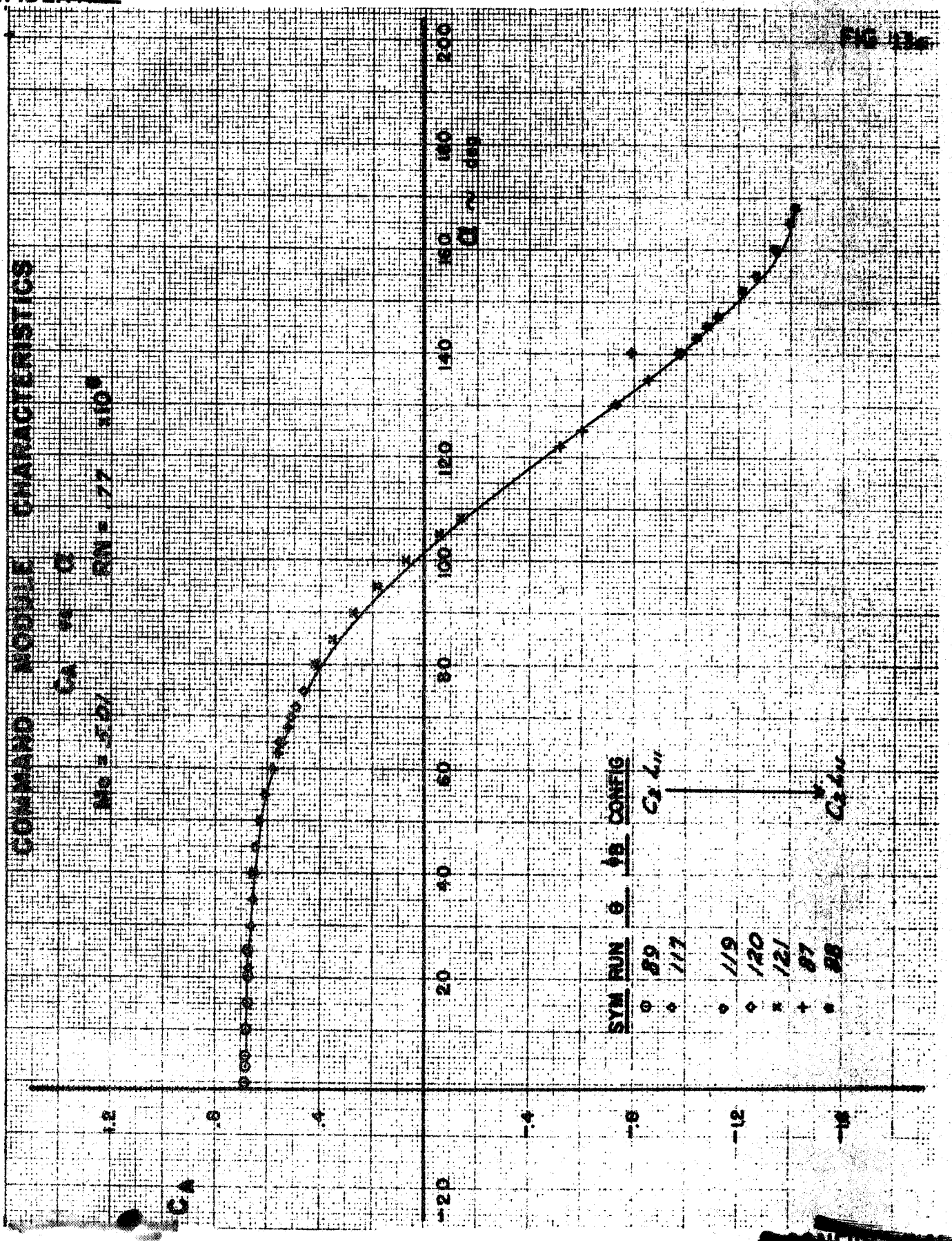


FIG 13d

[redacted]

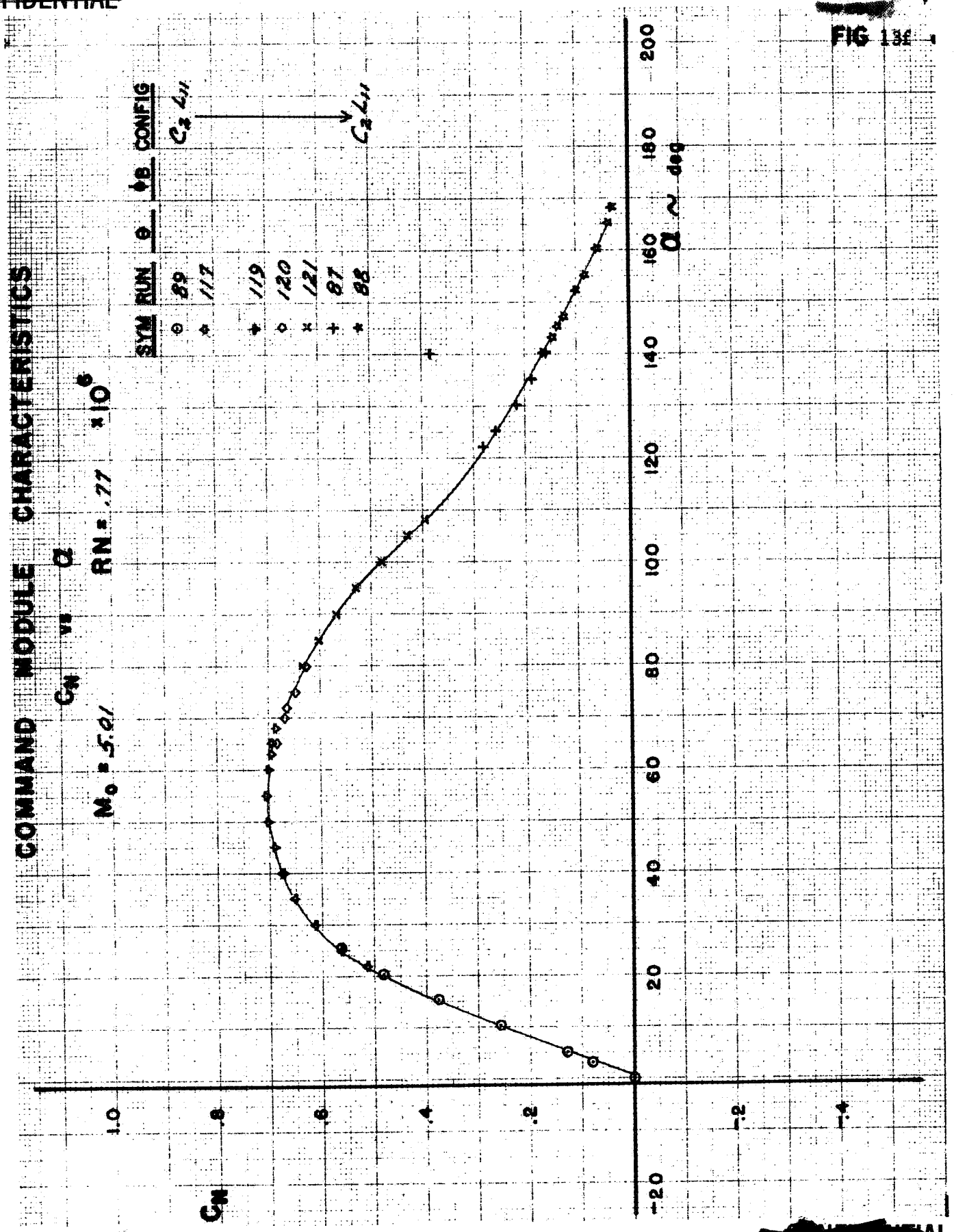
CONFI[redacted]



[redacted]

[redacted]

FIG 136



[redacted]

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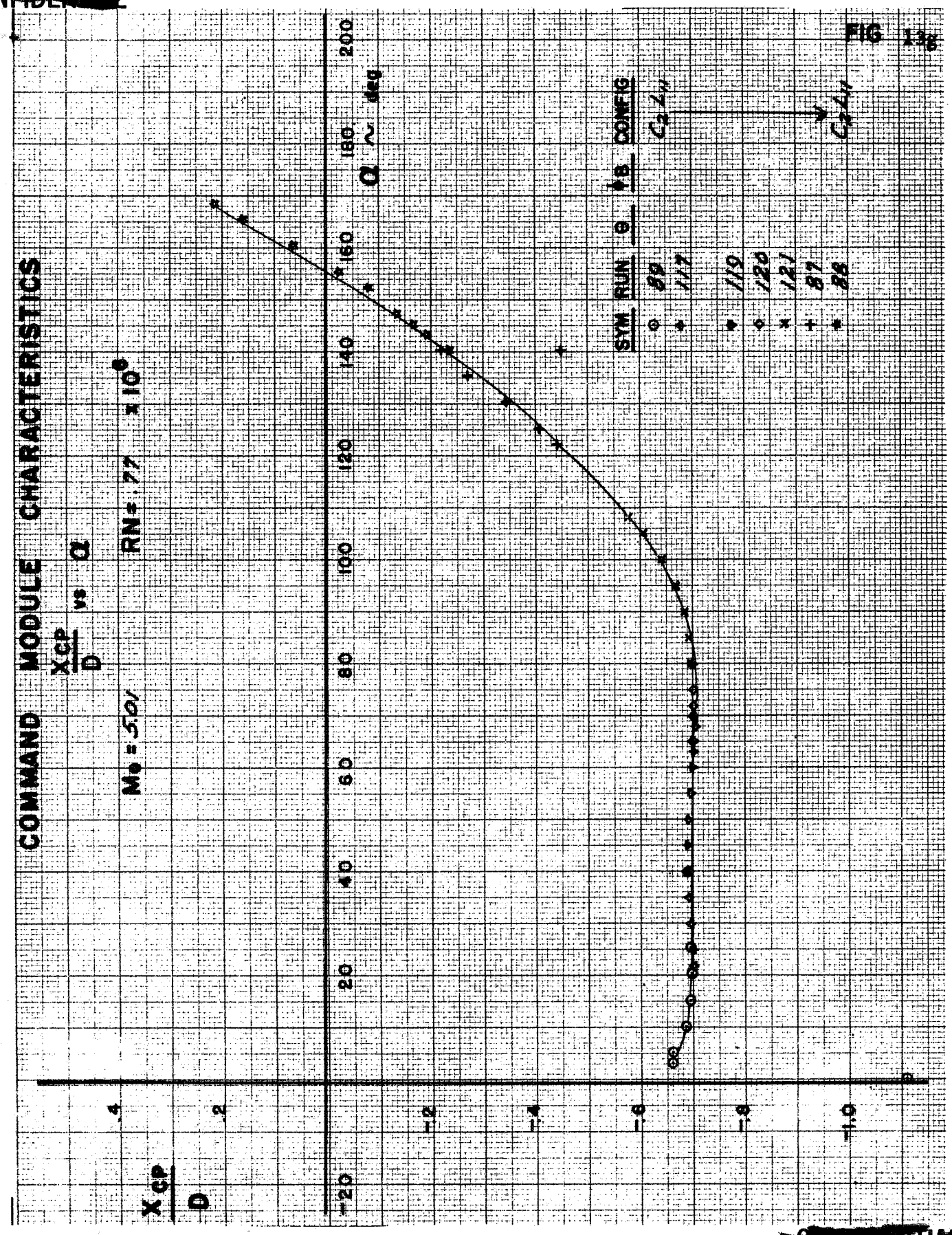

FIG 13

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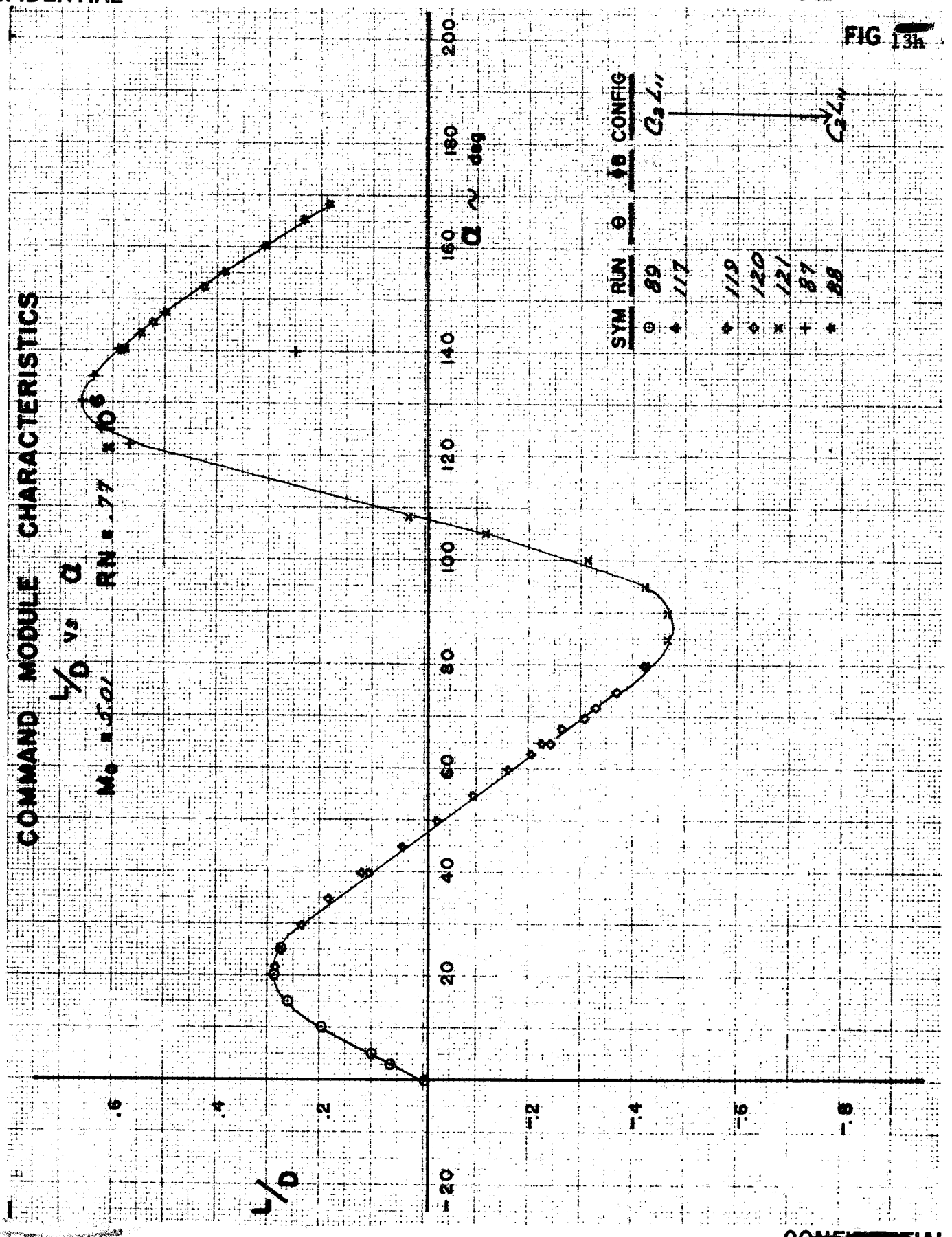
[redacted]

FIG 13h



[redacted]

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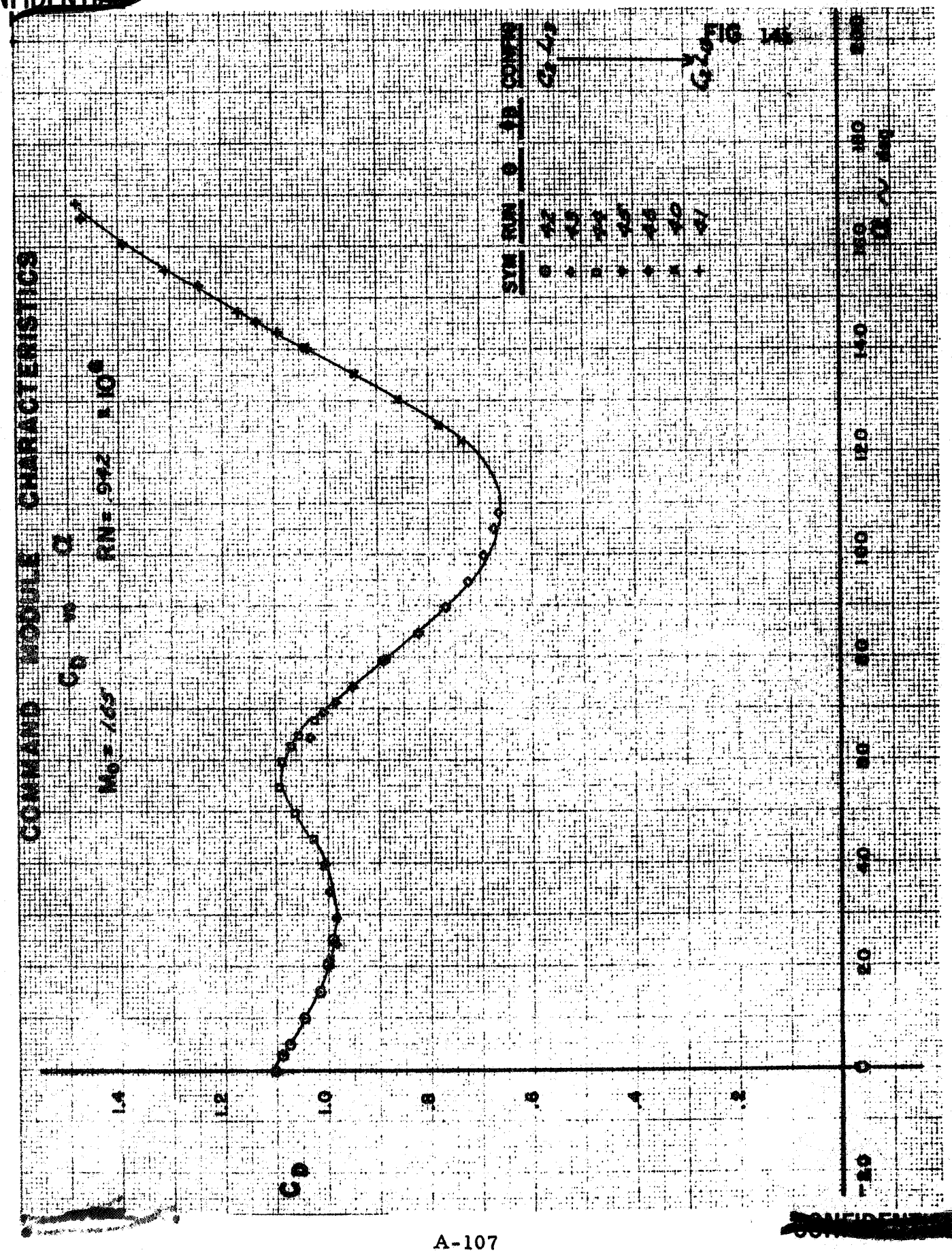

FIG. 146

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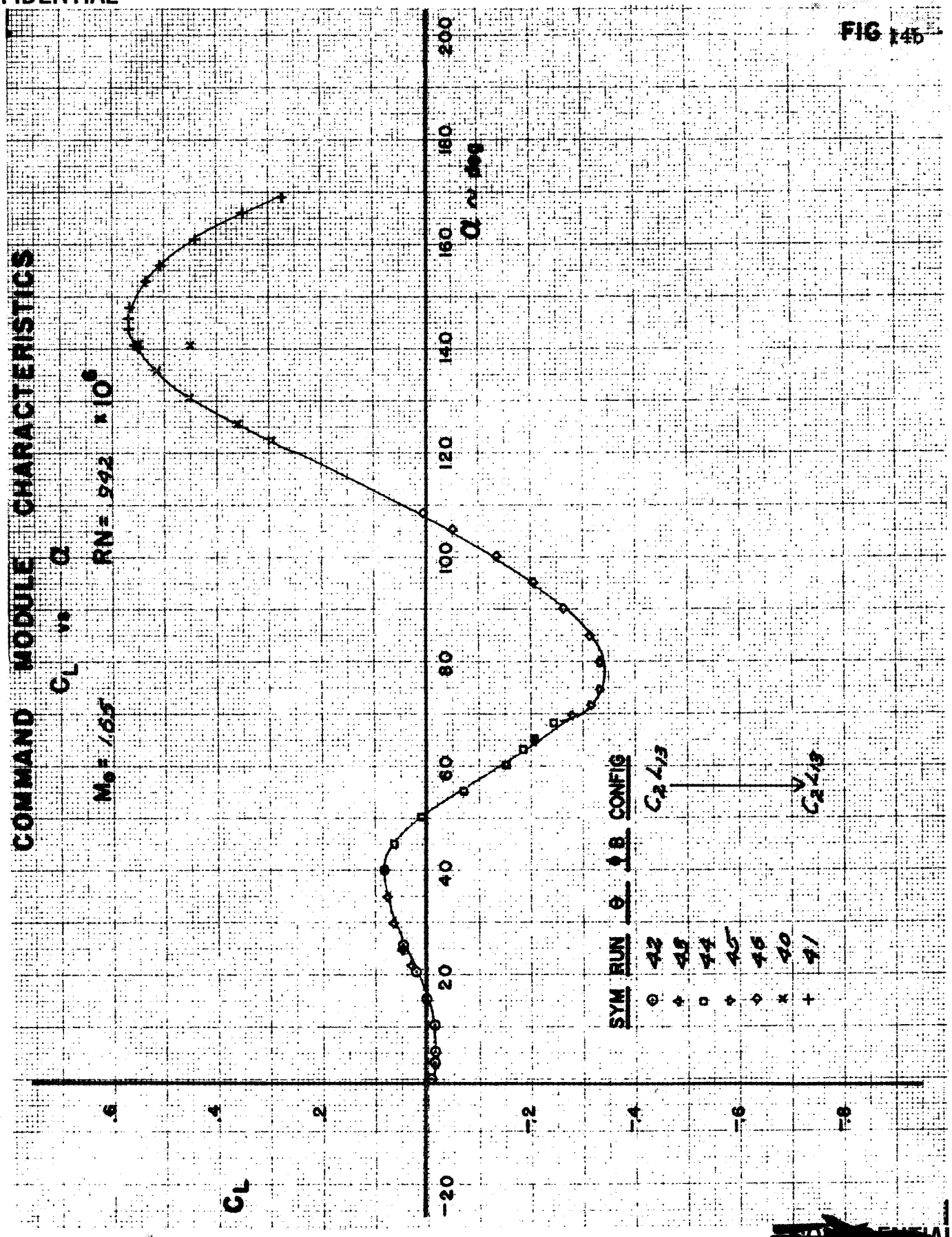
FIG 145



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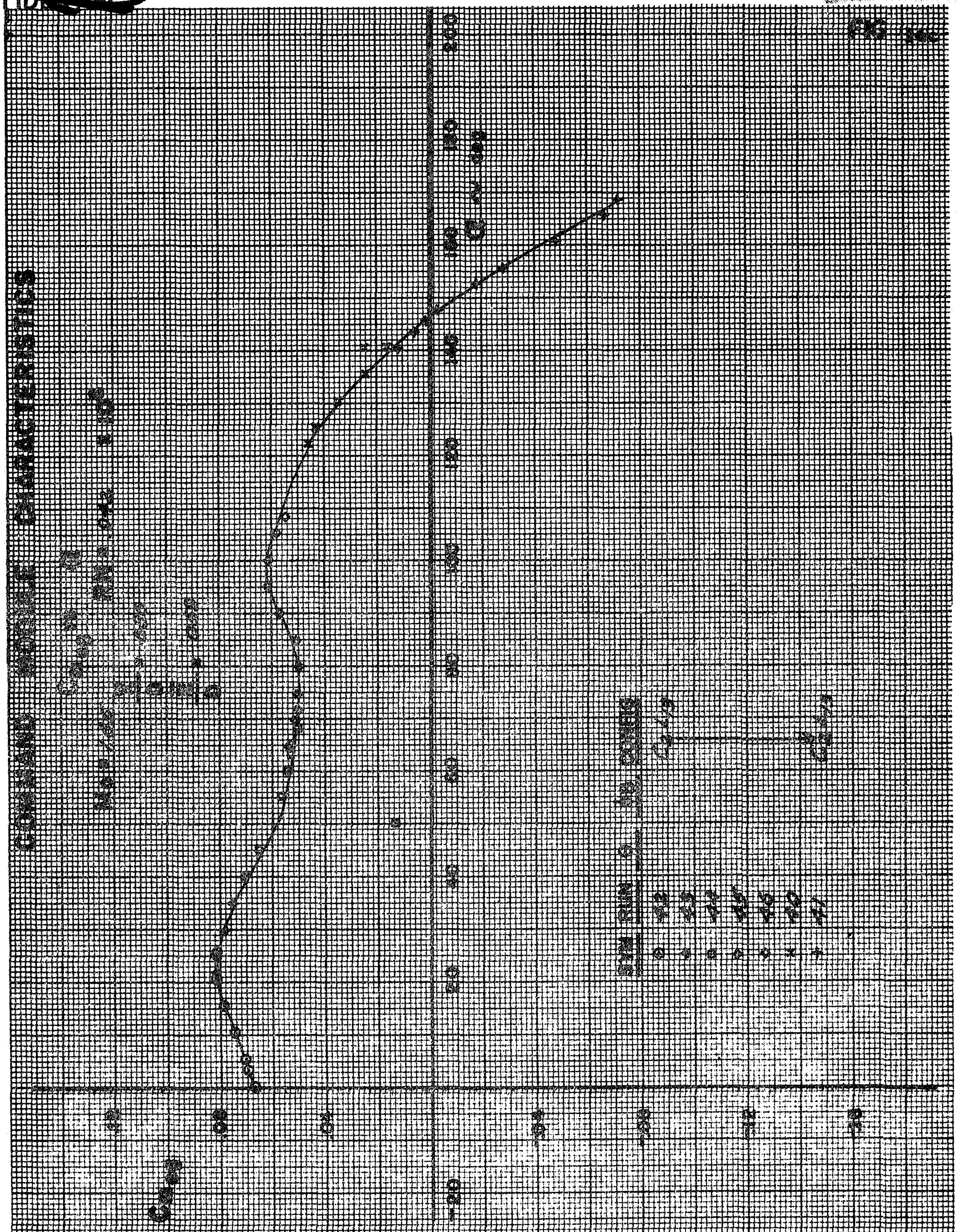
CONF[redacted]



[redacted]ENTIAL

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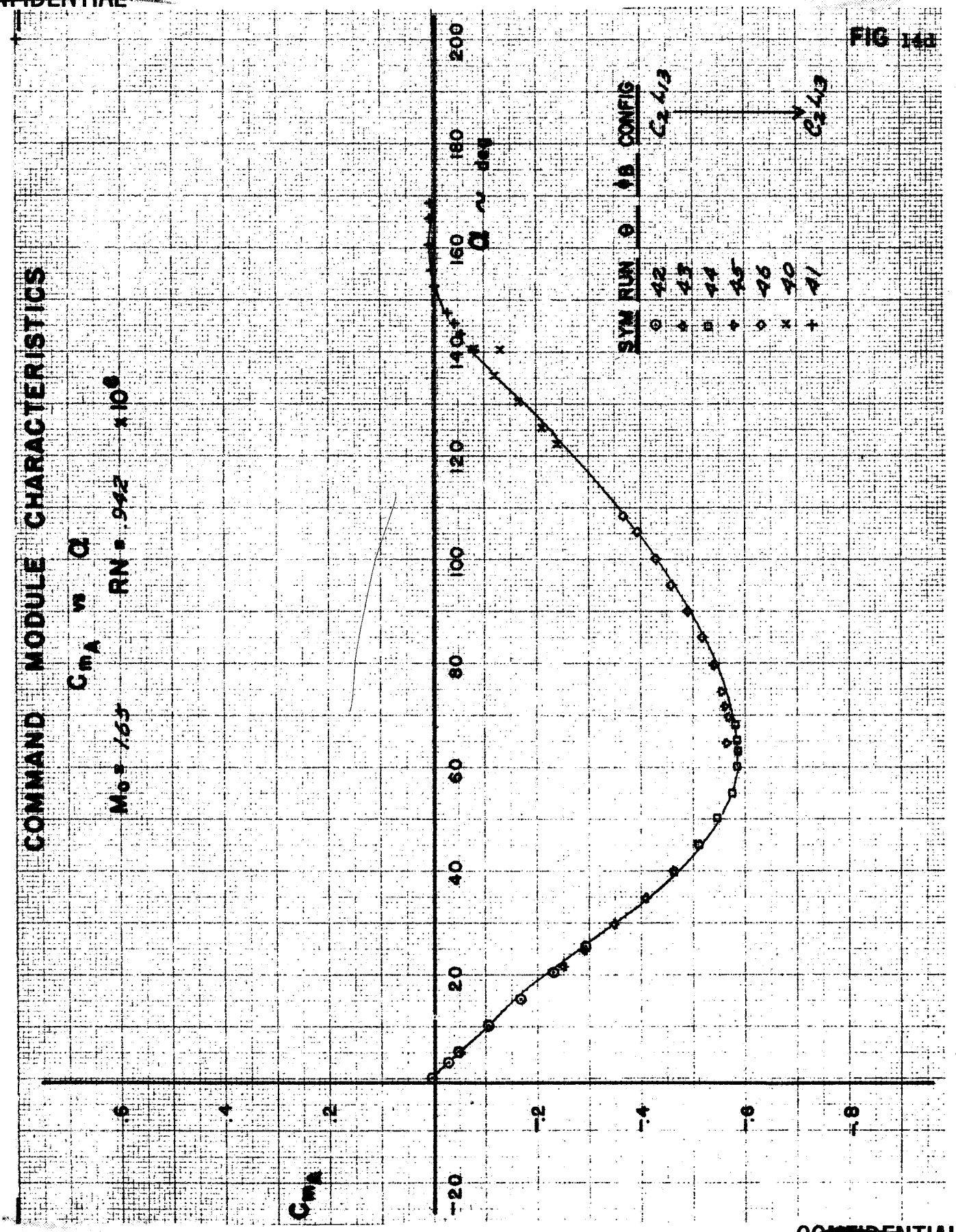

FIG 143

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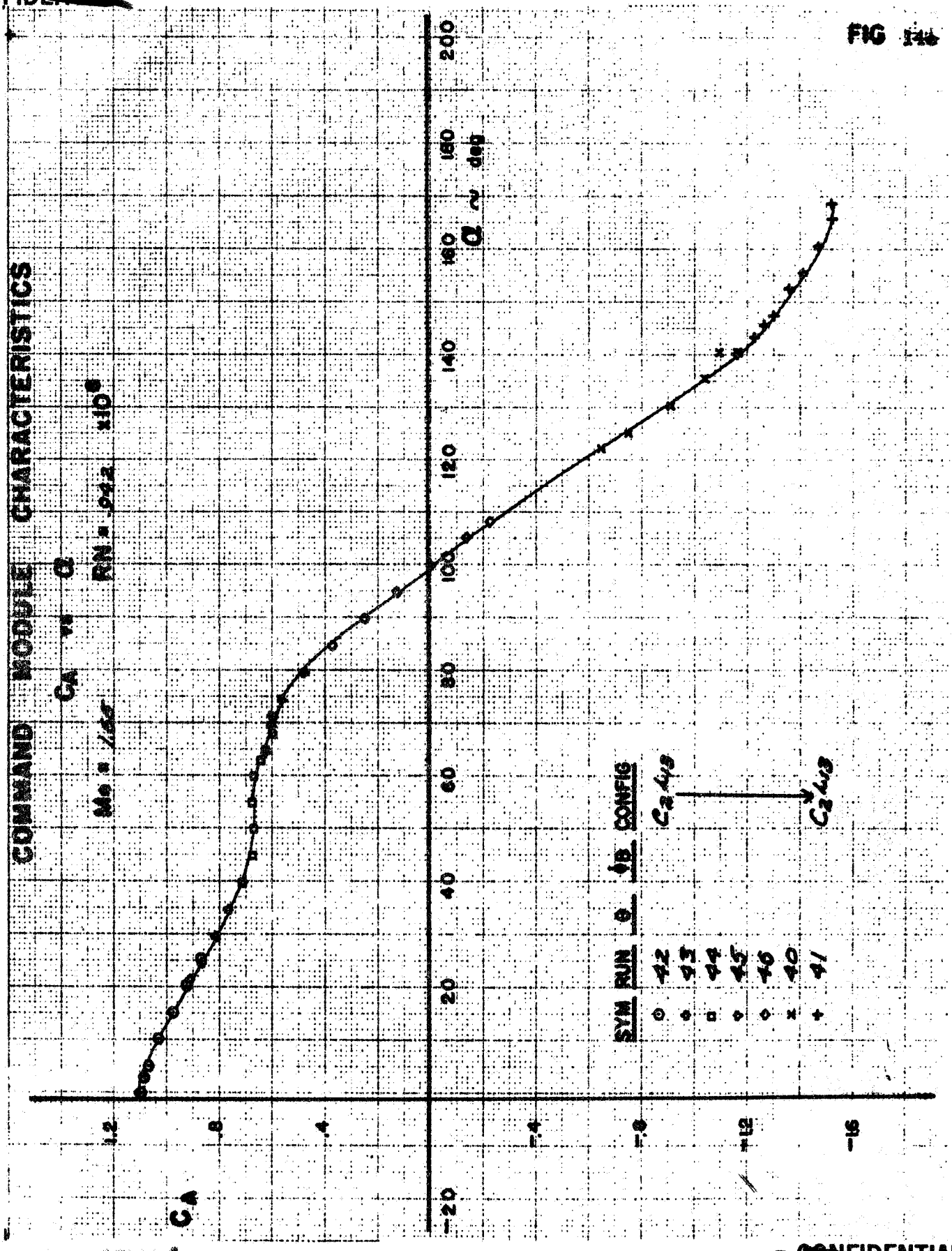
CONF[redacted]

FIG 14b



[redacted]

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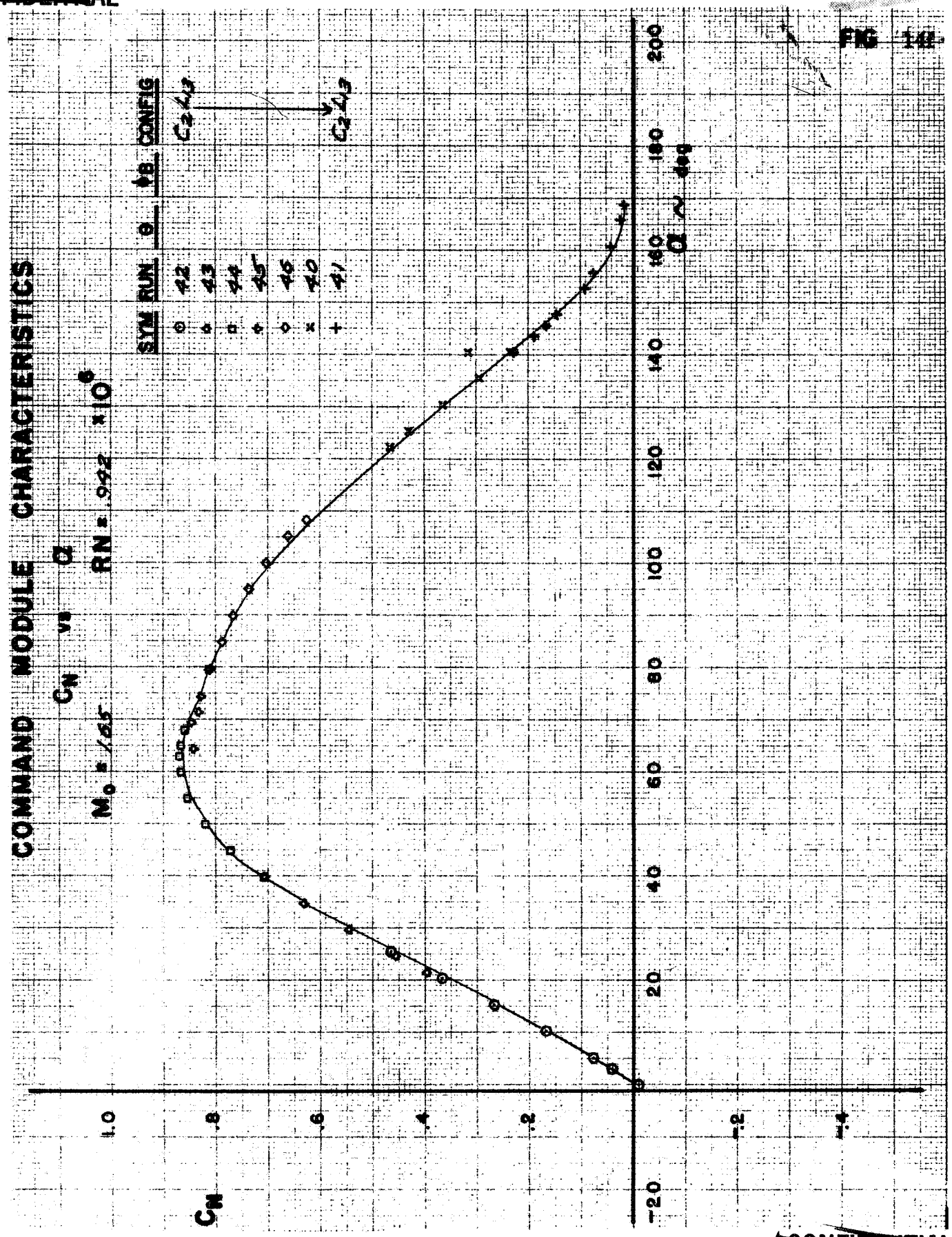

FIG 141

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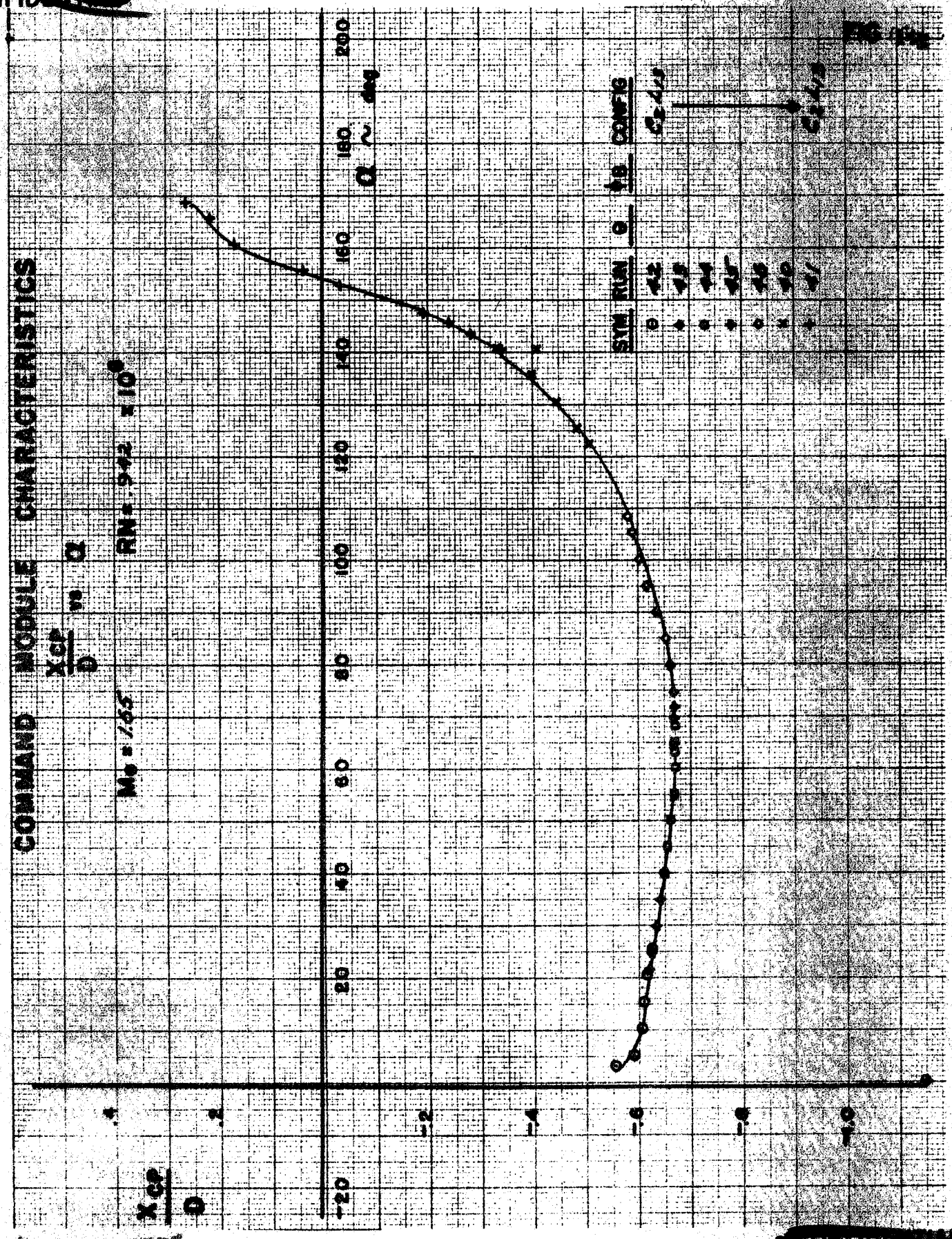
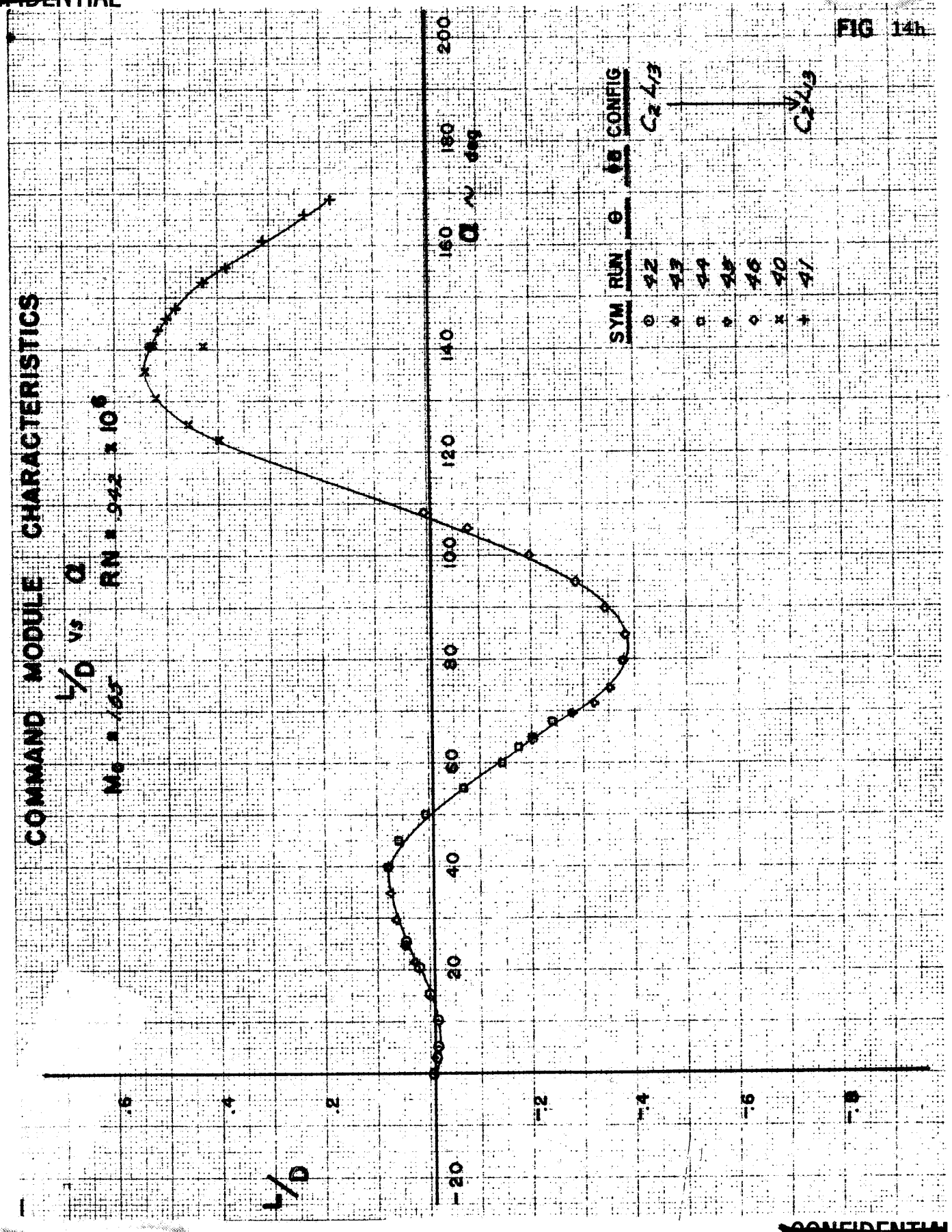


~~CONFIDENTIAL~~

FIG 14h



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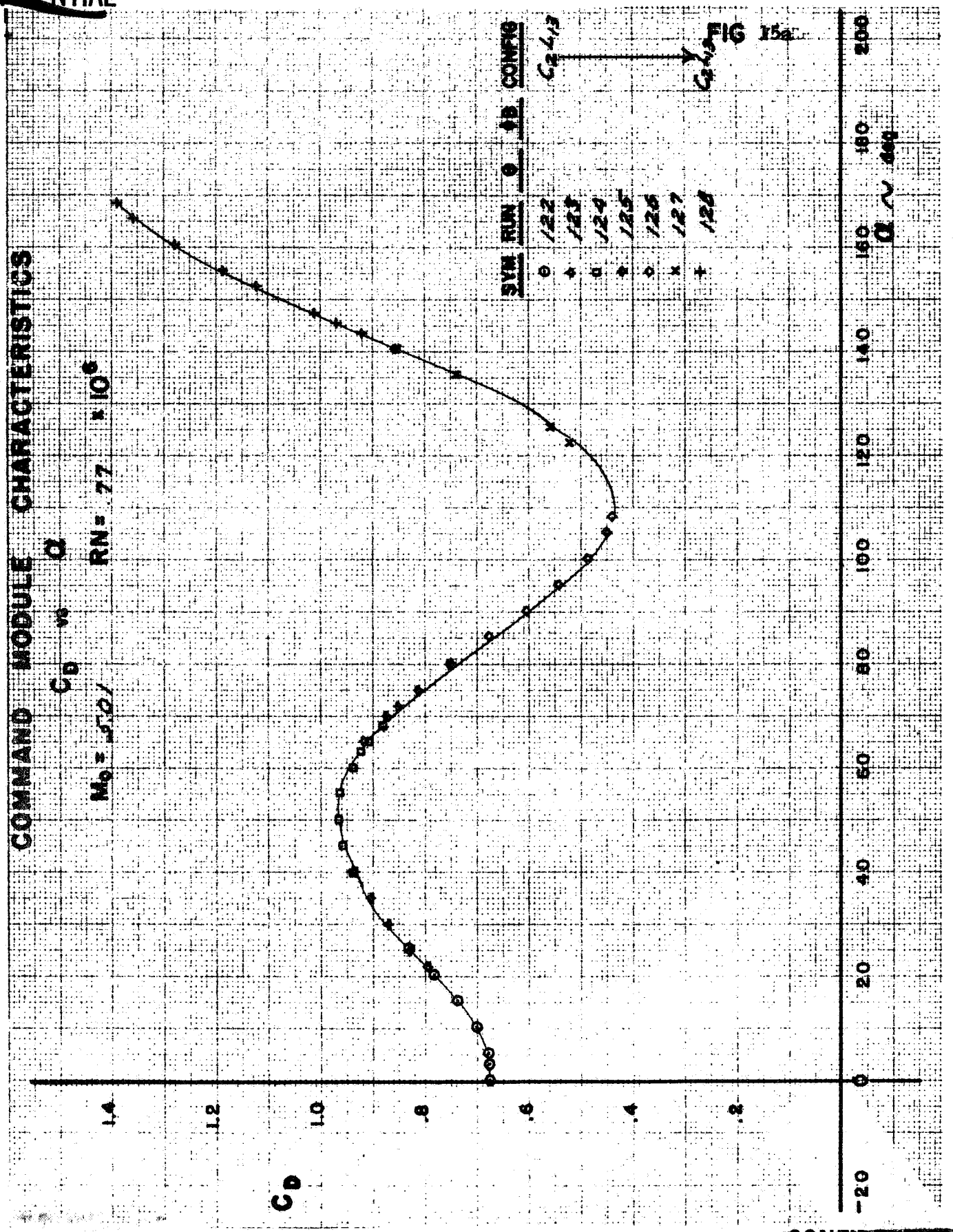
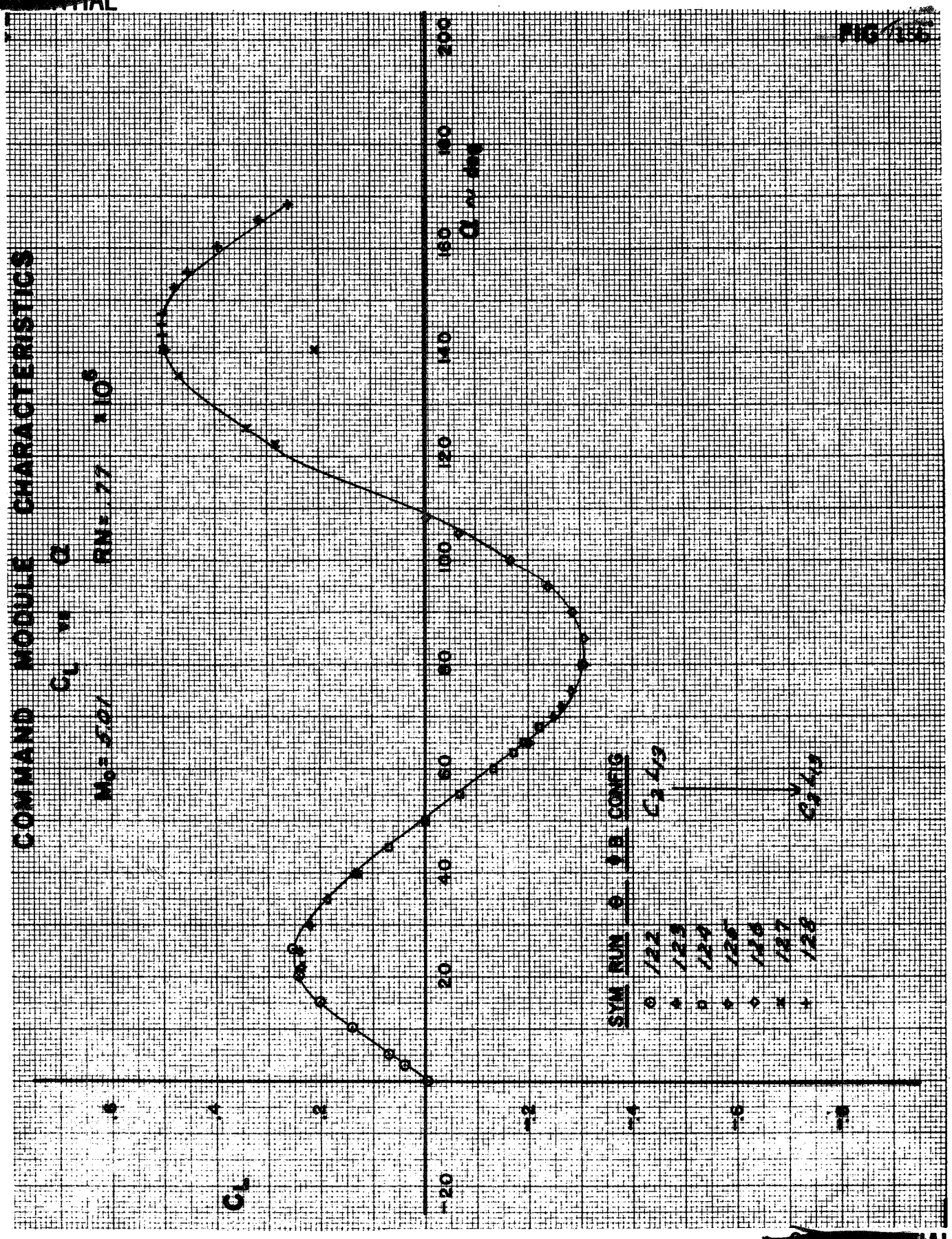


FIG 15a

CONFIDENTIAL

[redacted]



[redacted]

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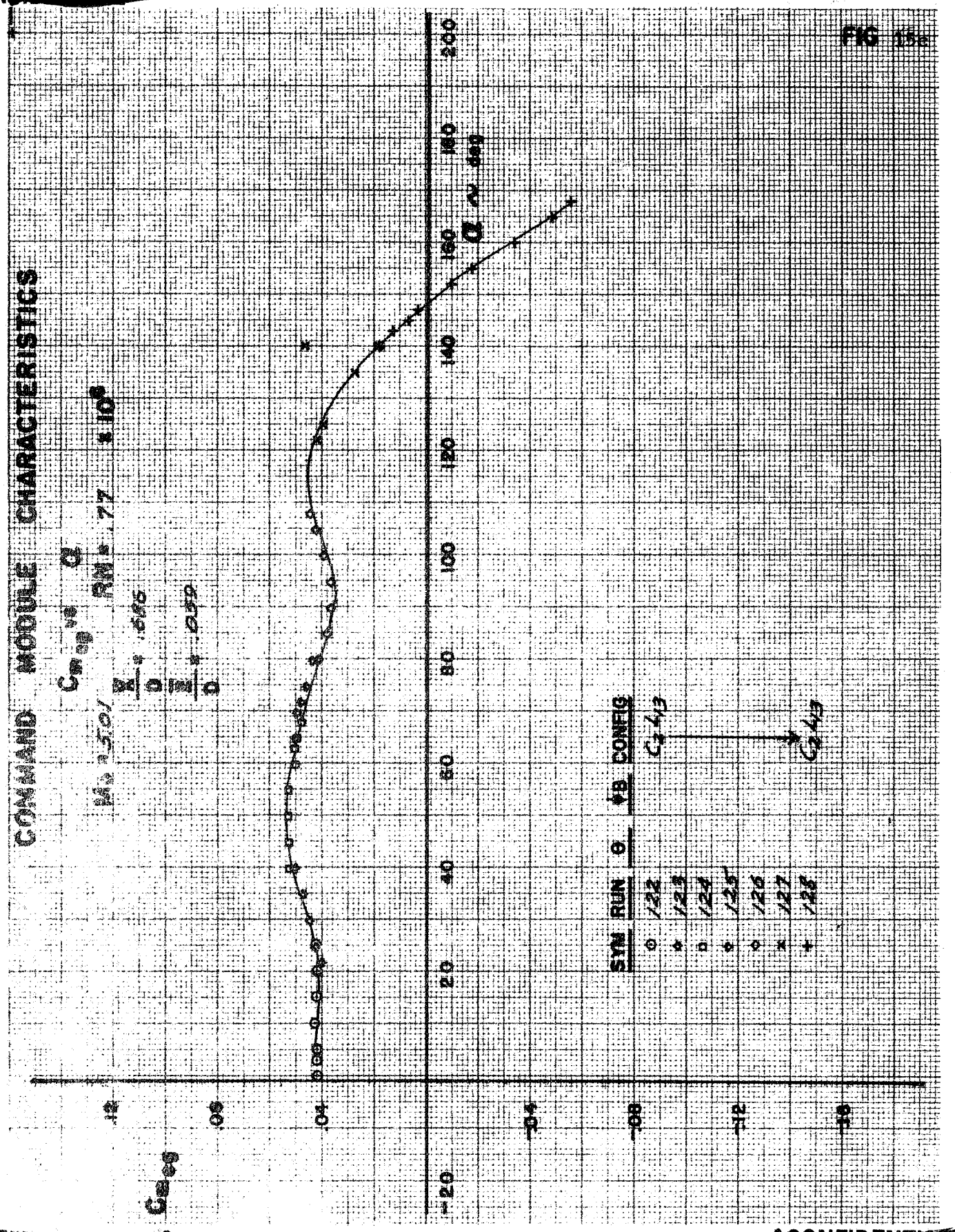

FIG 15e

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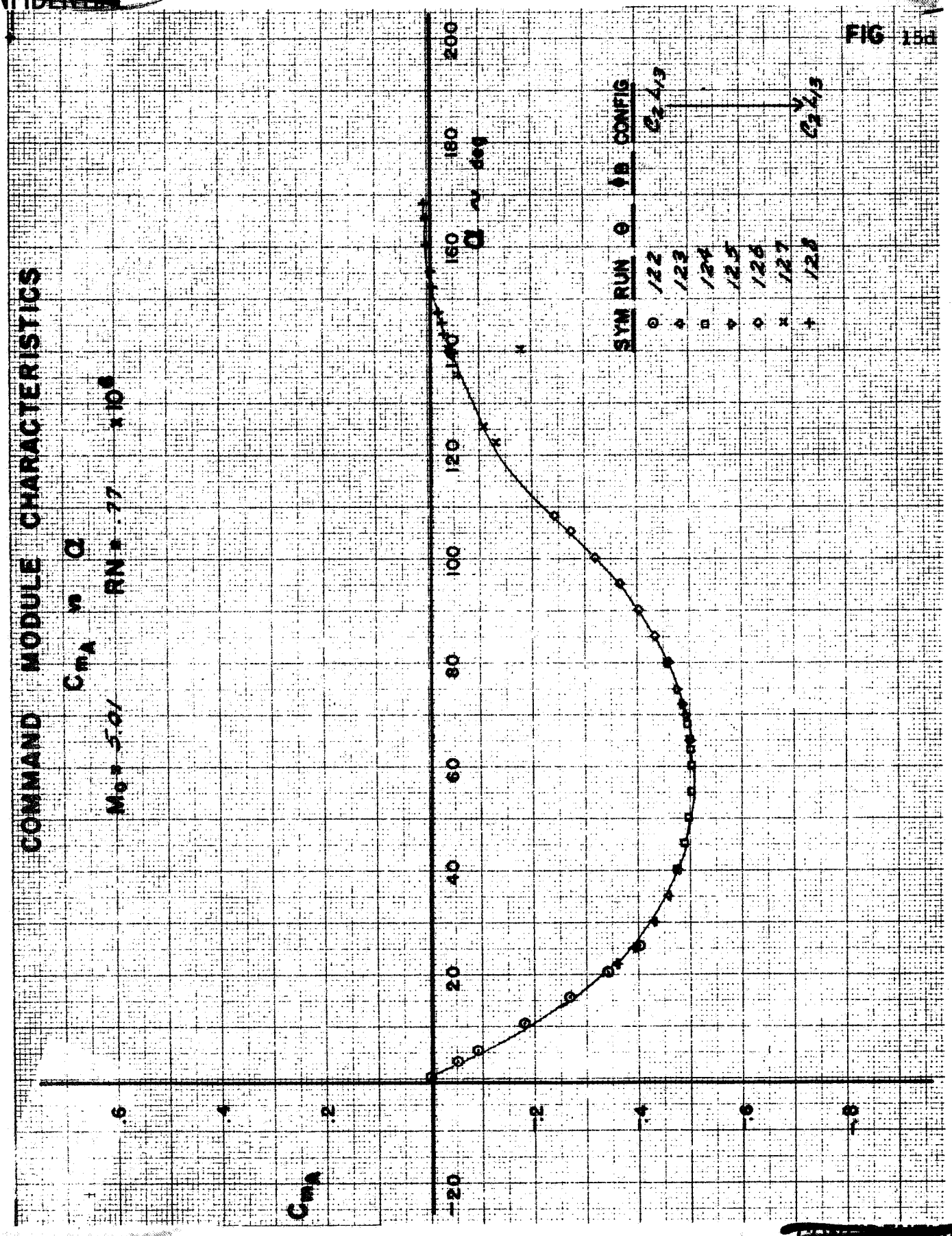
FIG 15d



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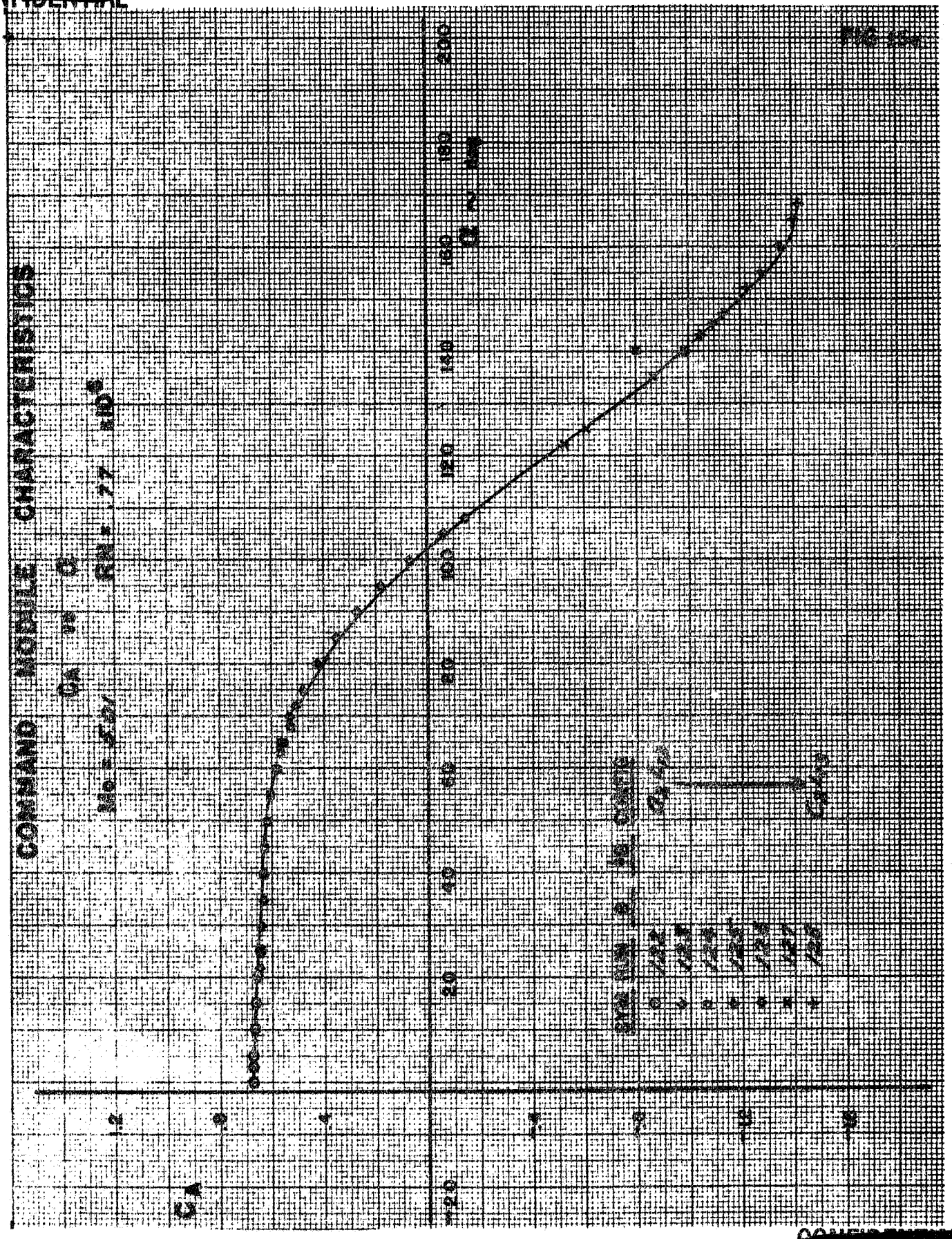

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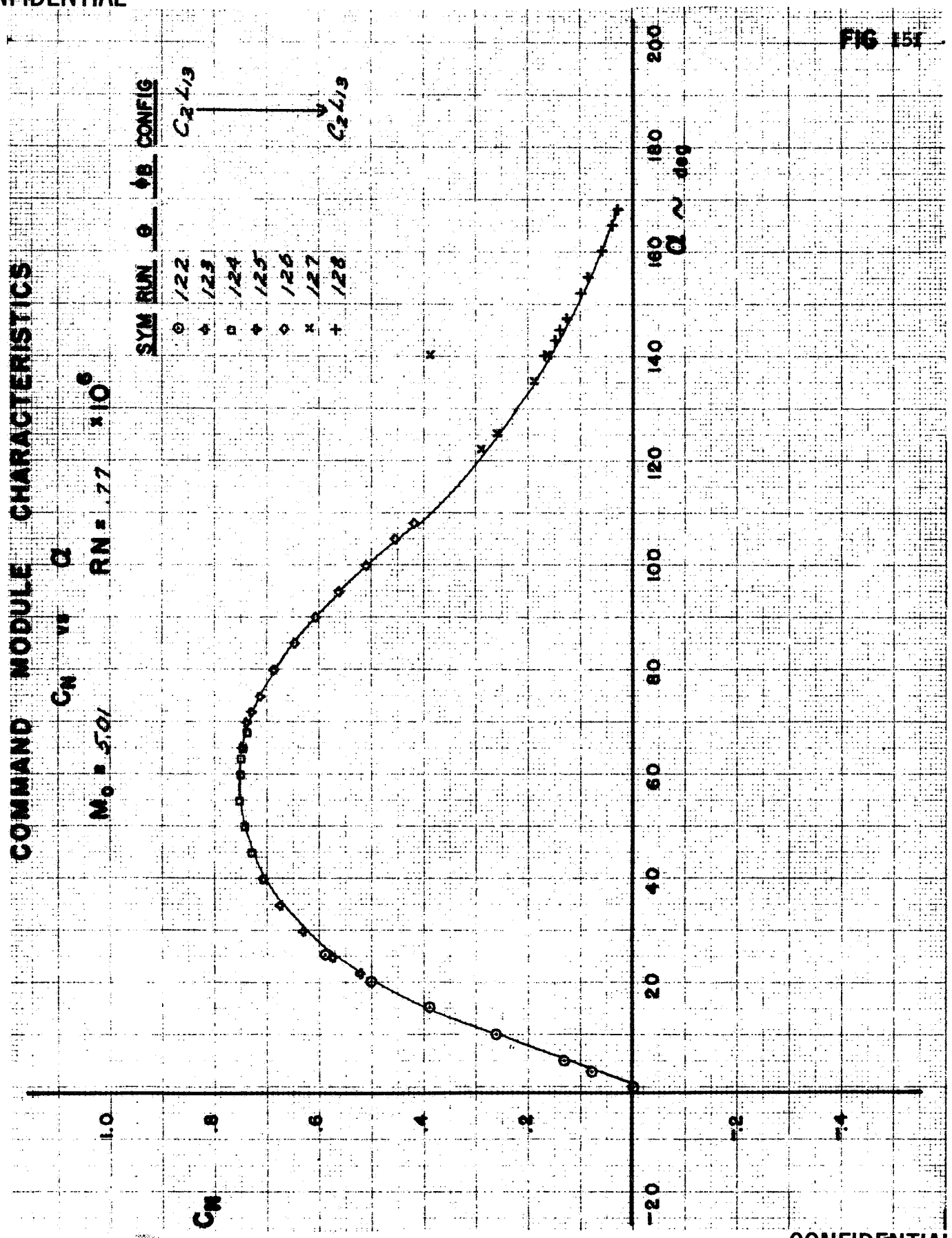
FIG 151



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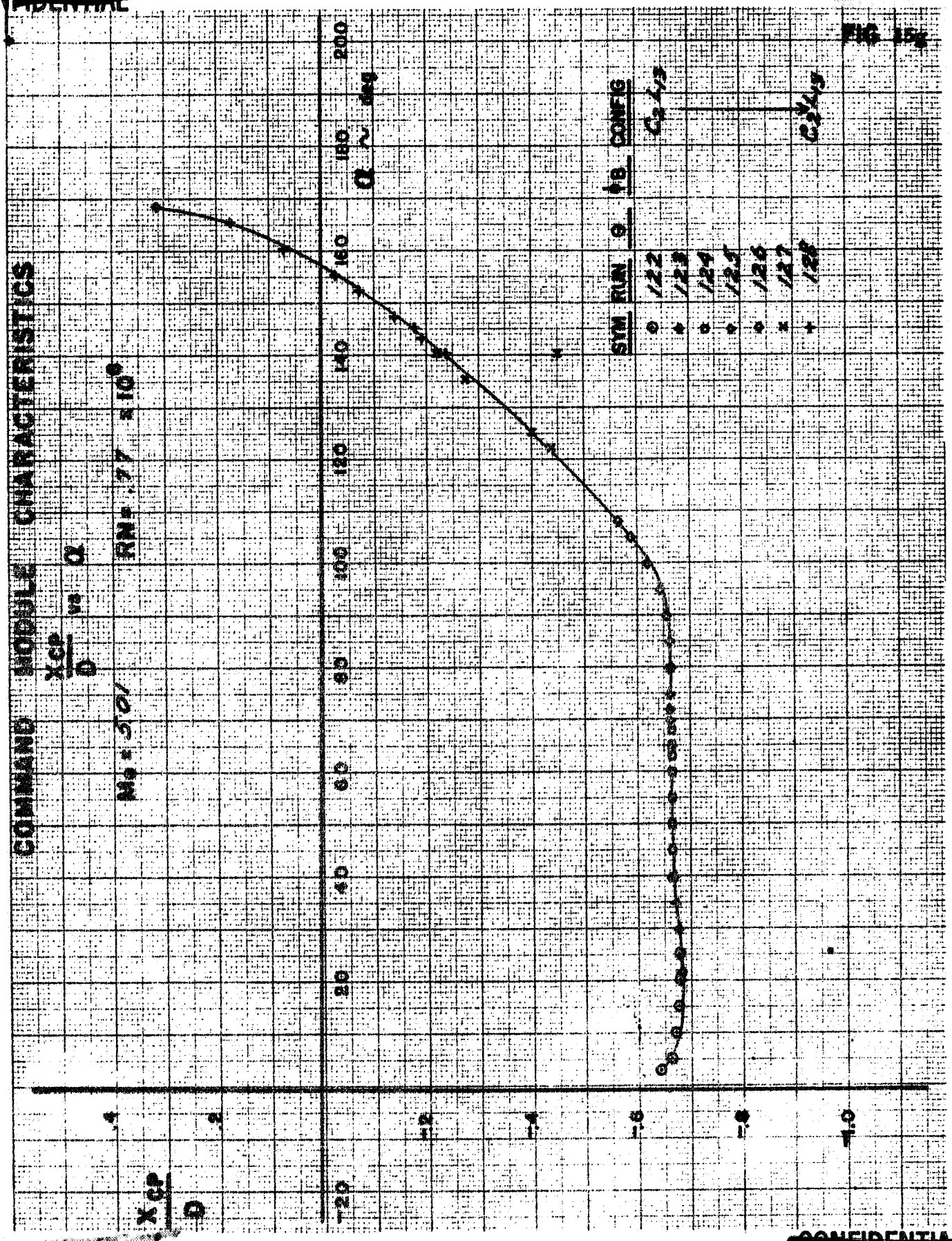

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[redacted]

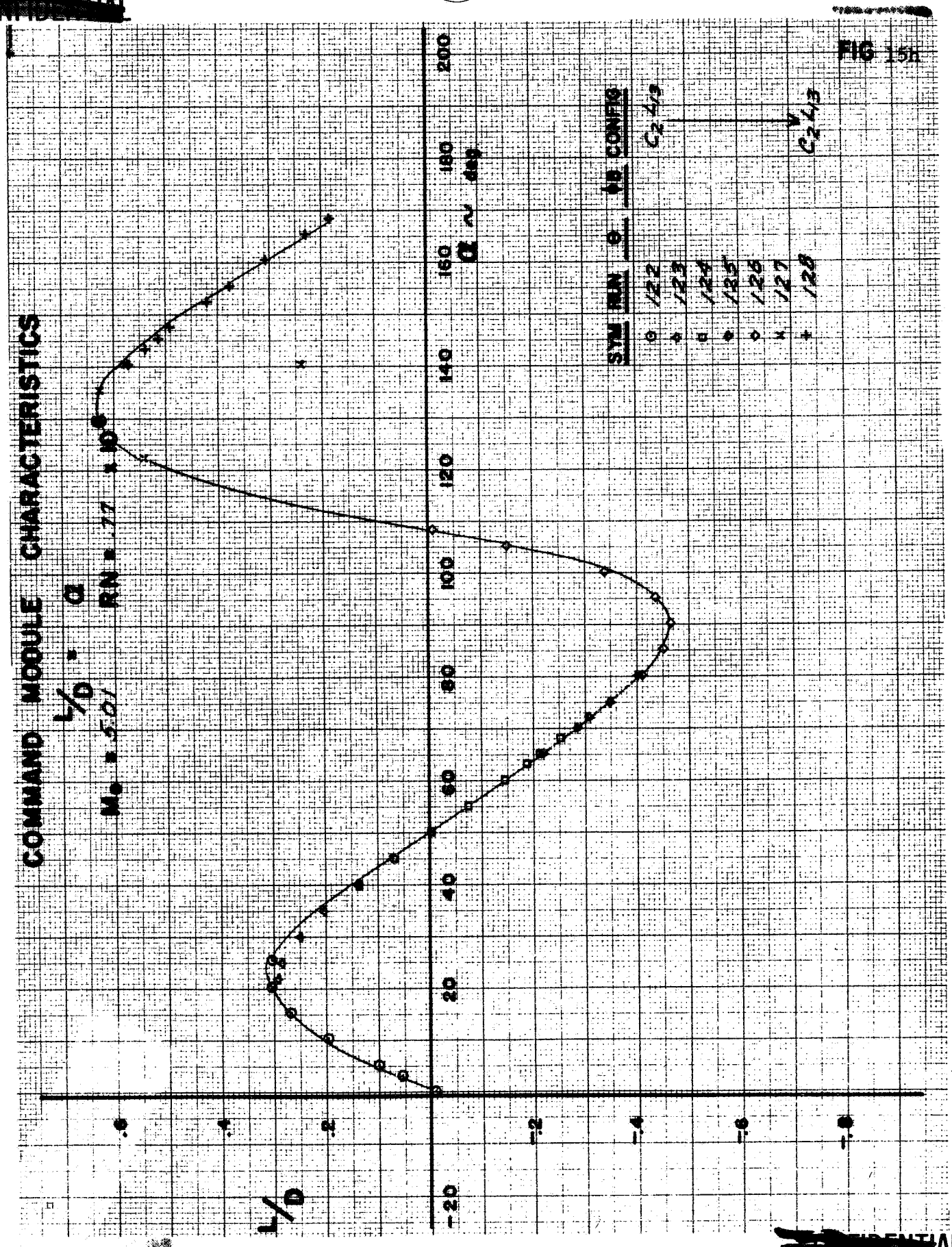

FIG 15h

[redacted]

CONFIDENTIAL

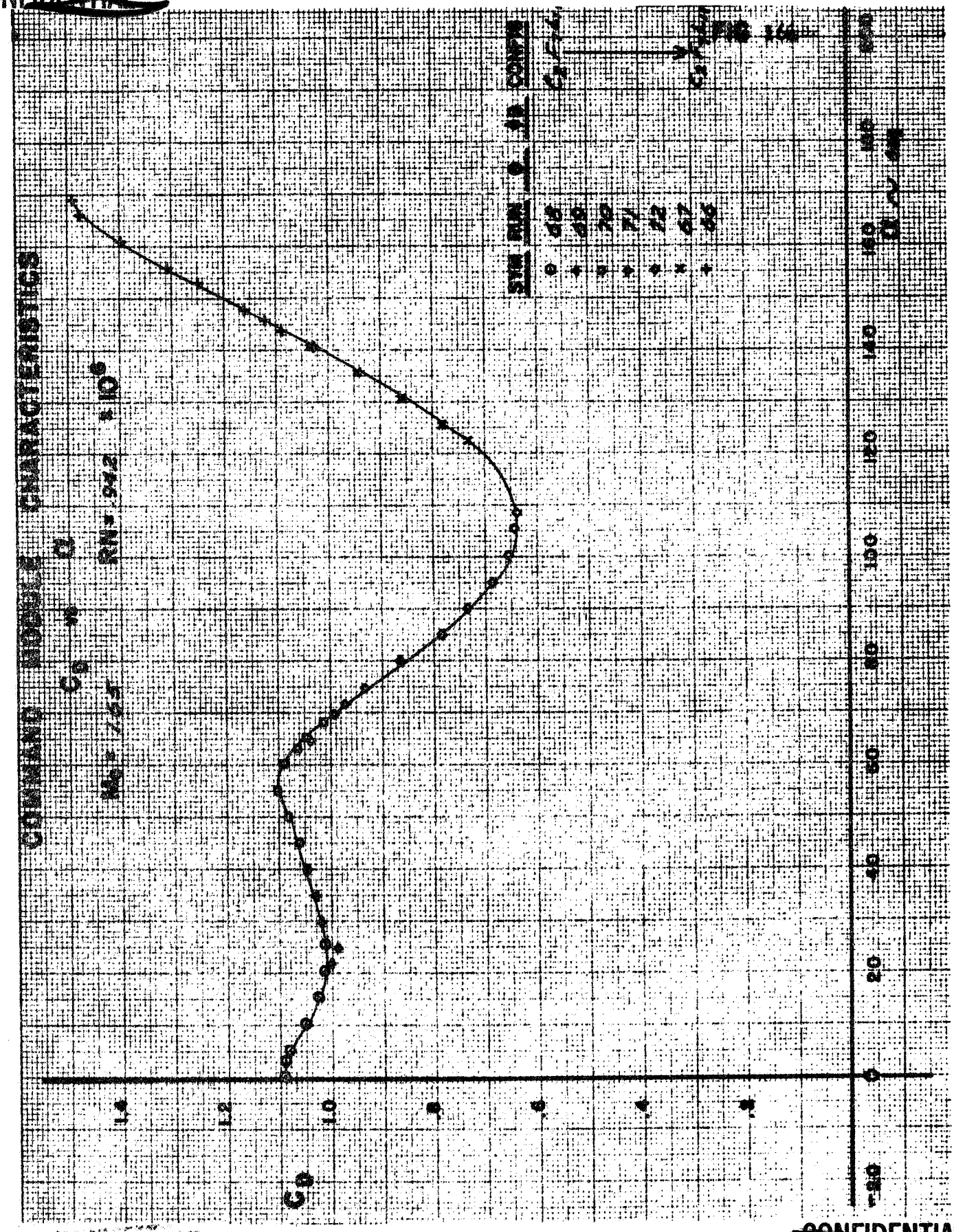

FIG 164

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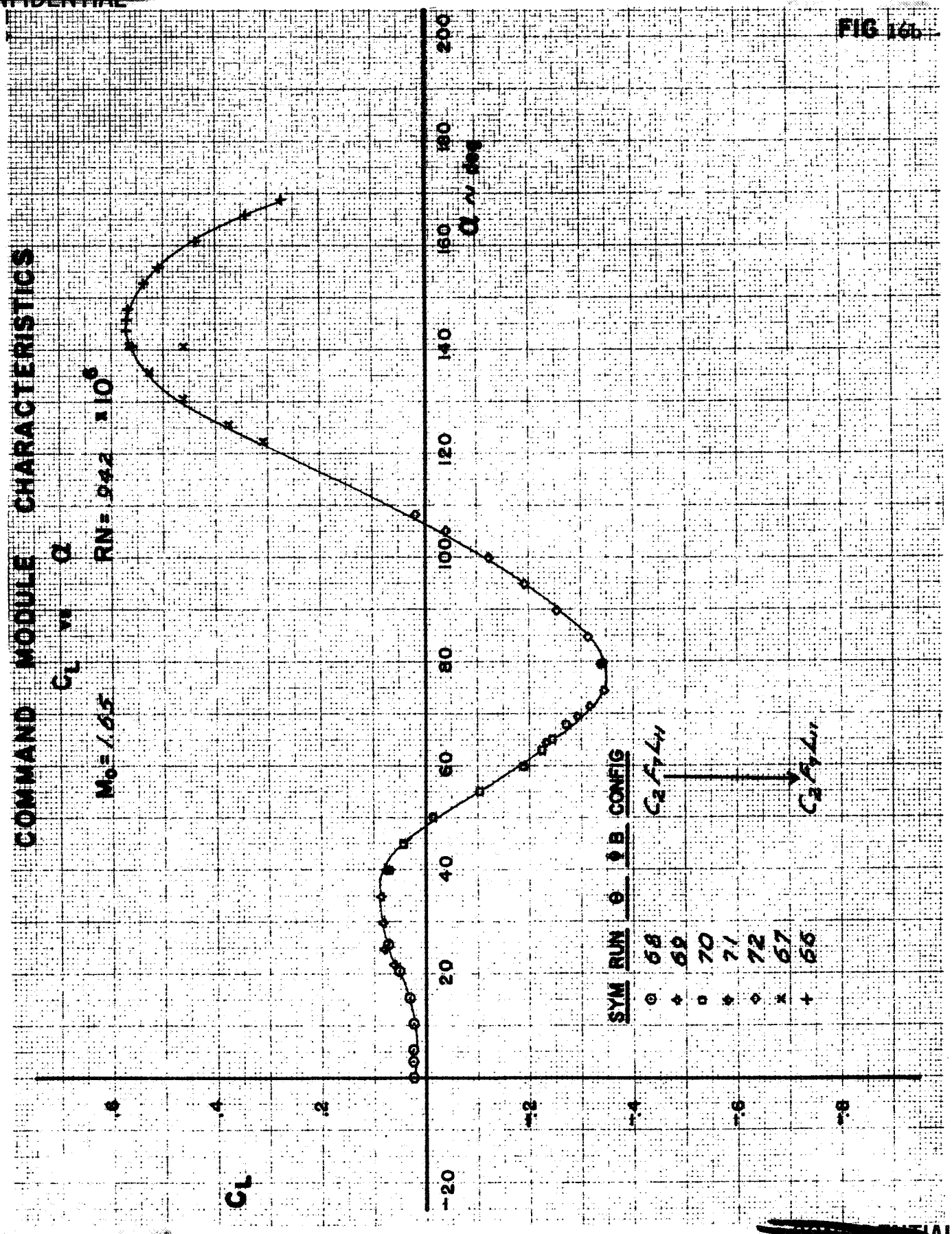
FIG 16b



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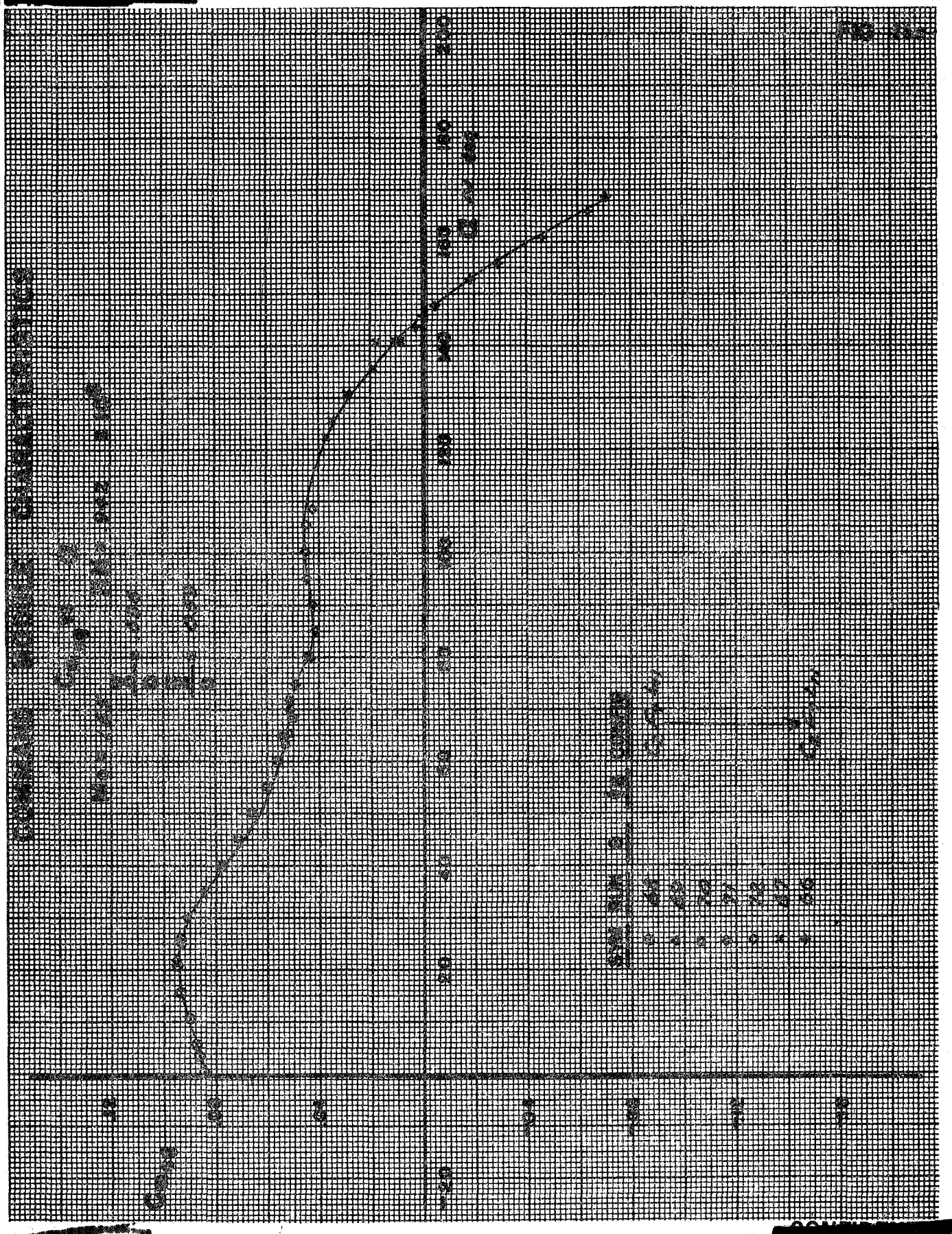

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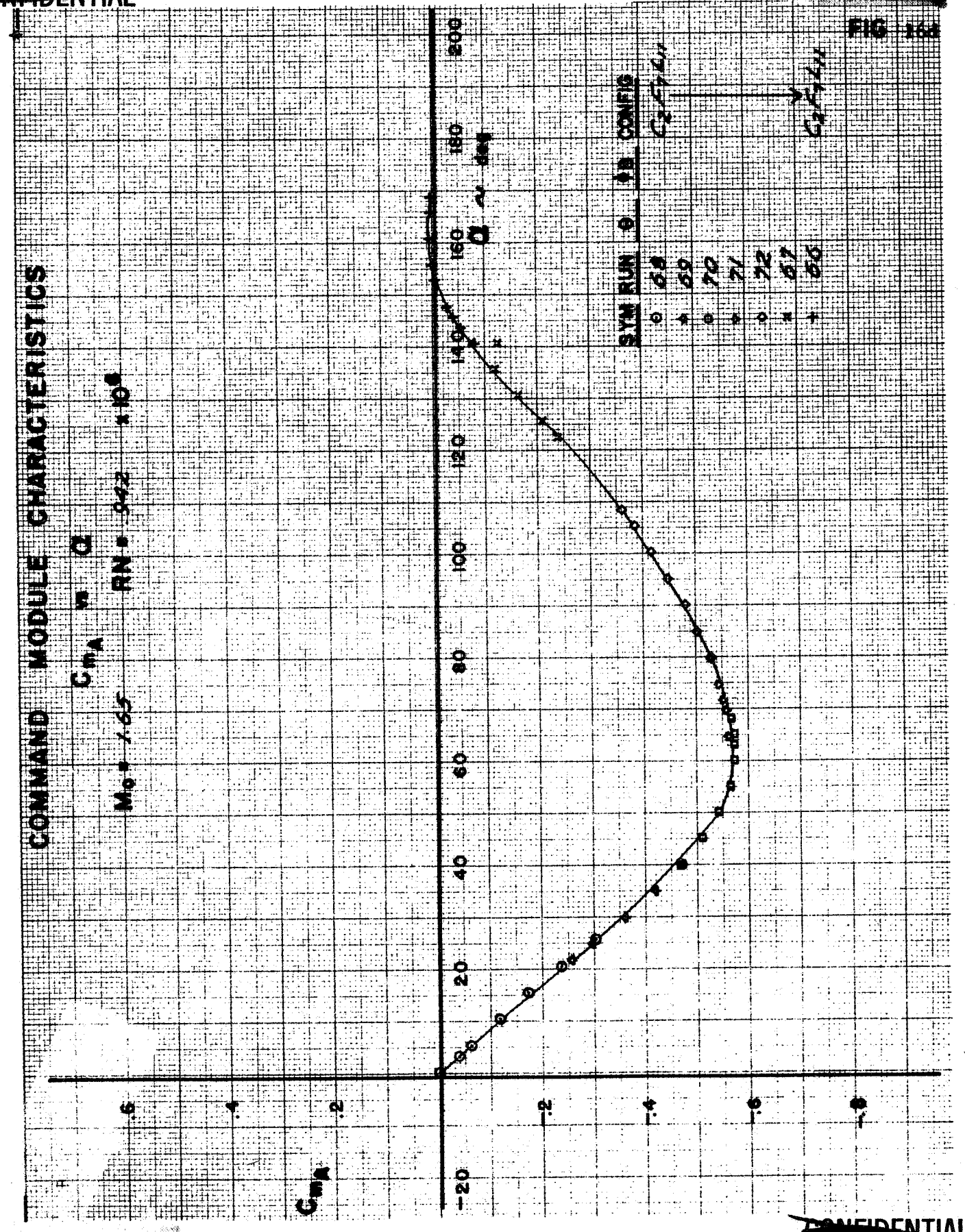

FIG 16a

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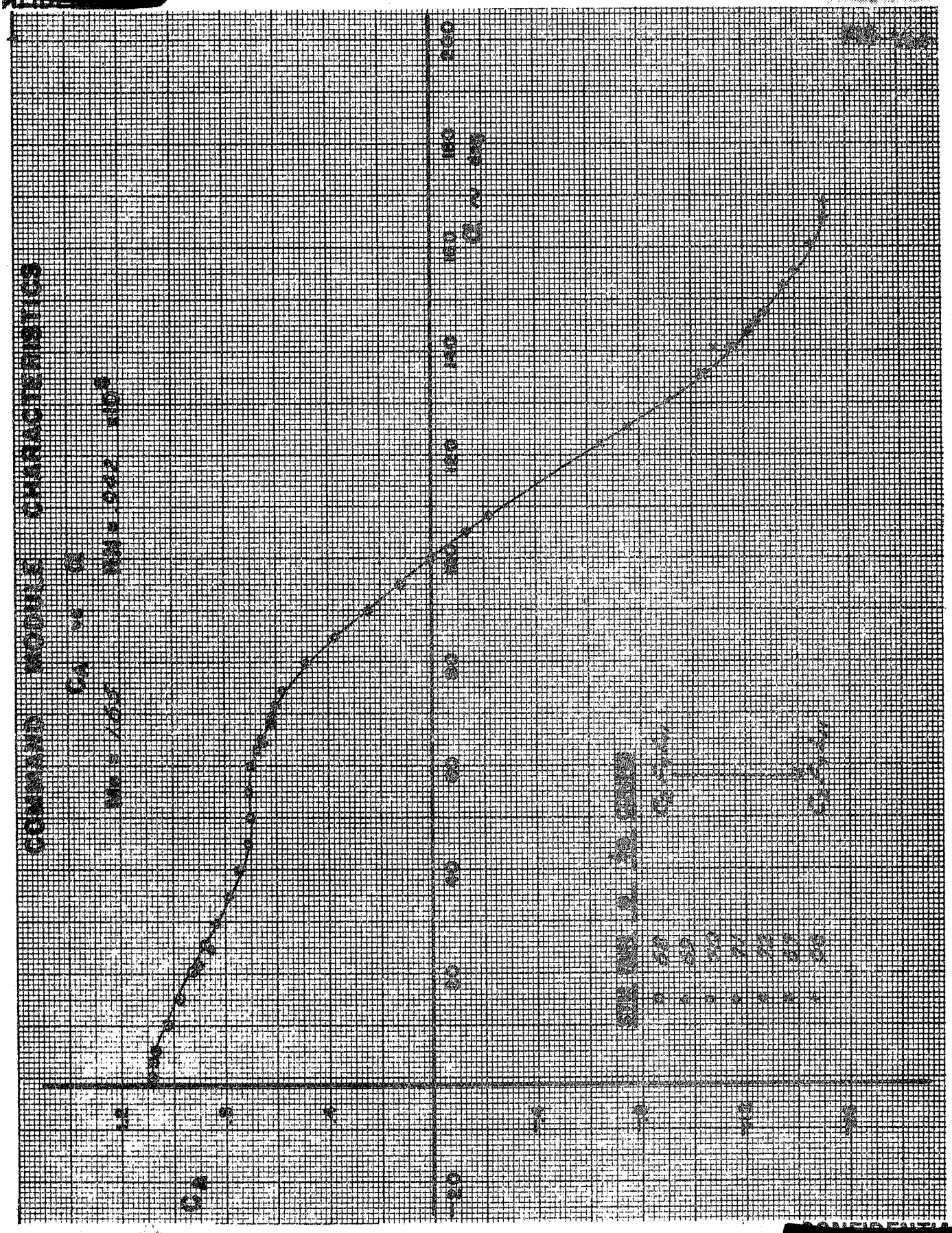
CO[redacted]



[redacted]

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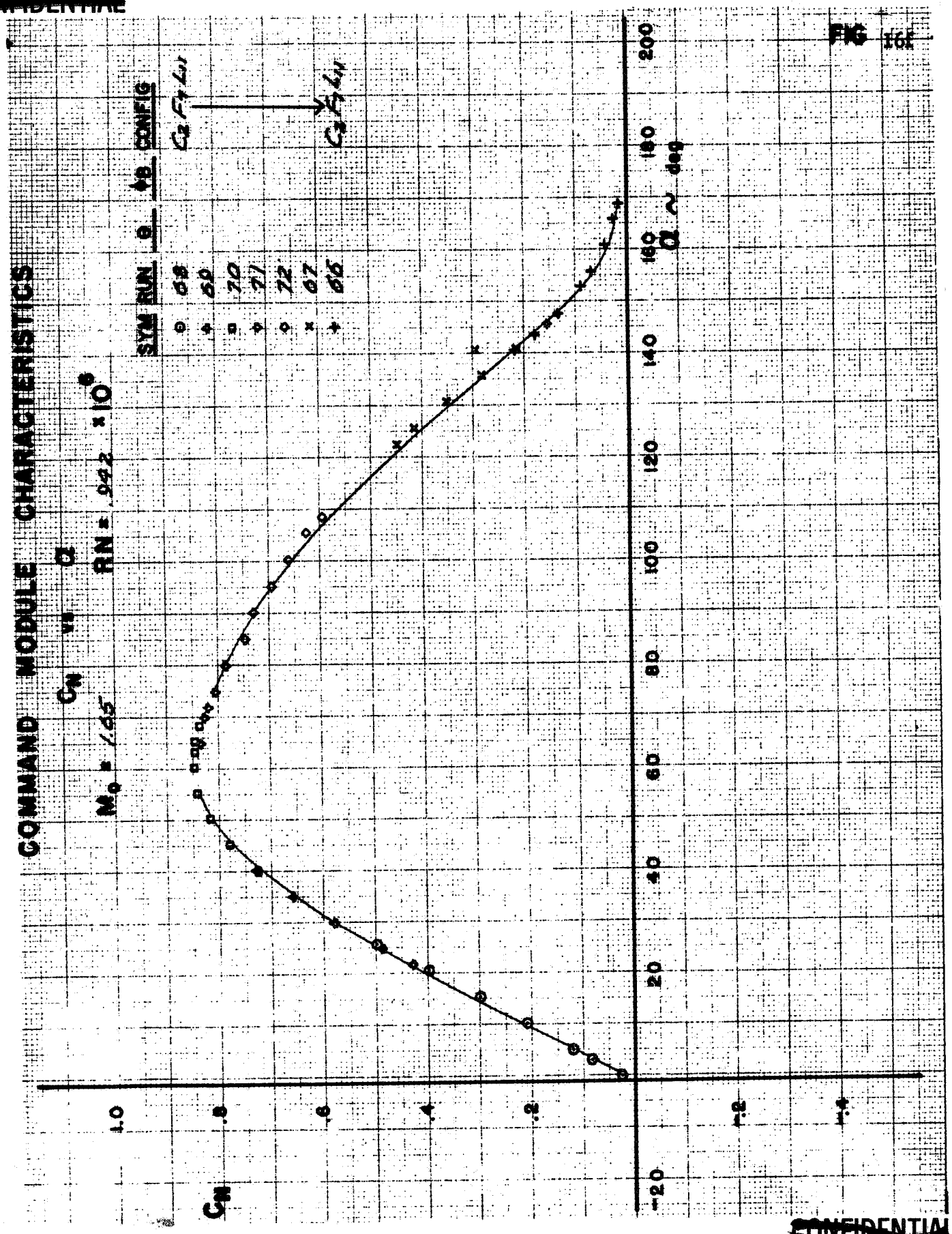

FIG 101

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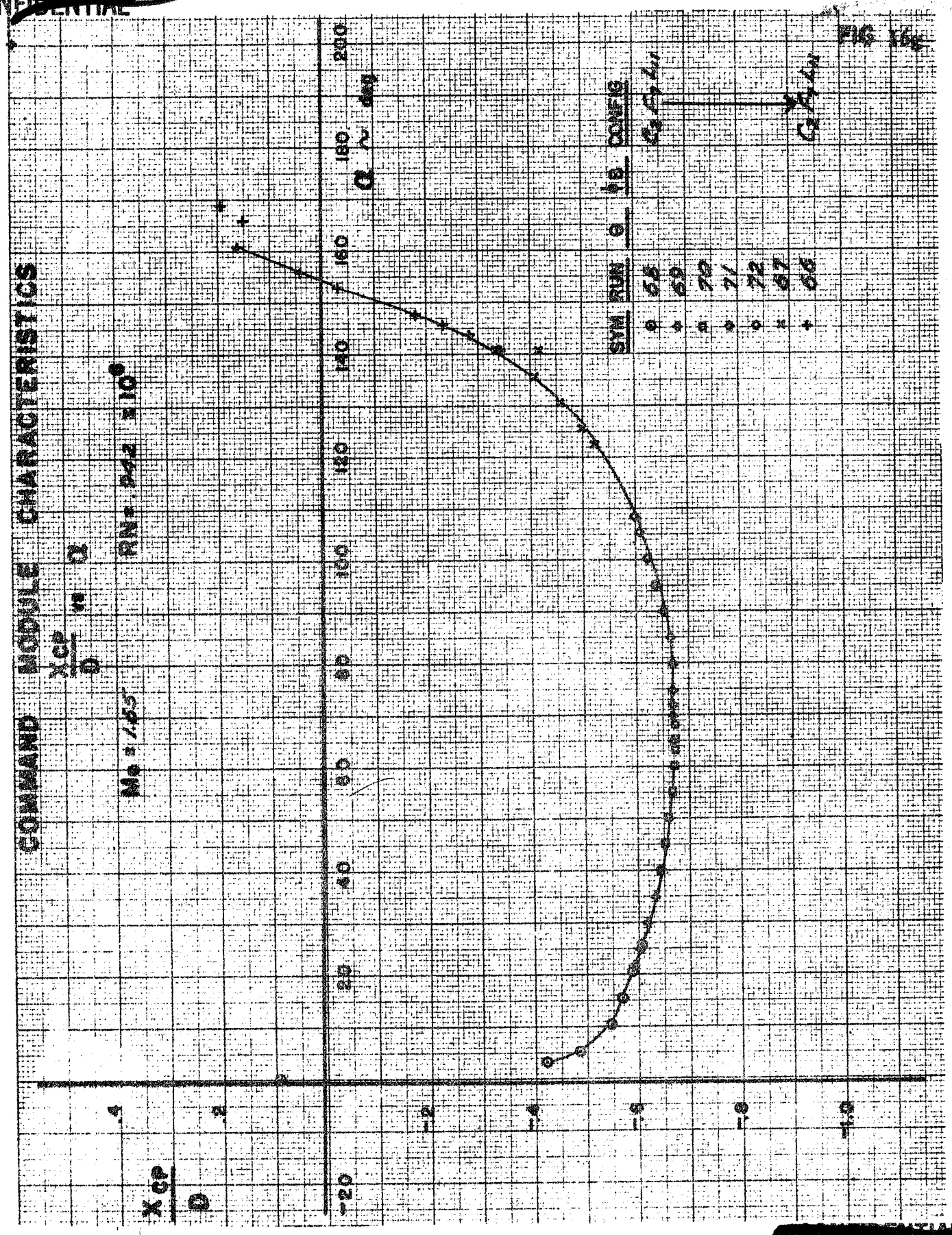

FIG 16

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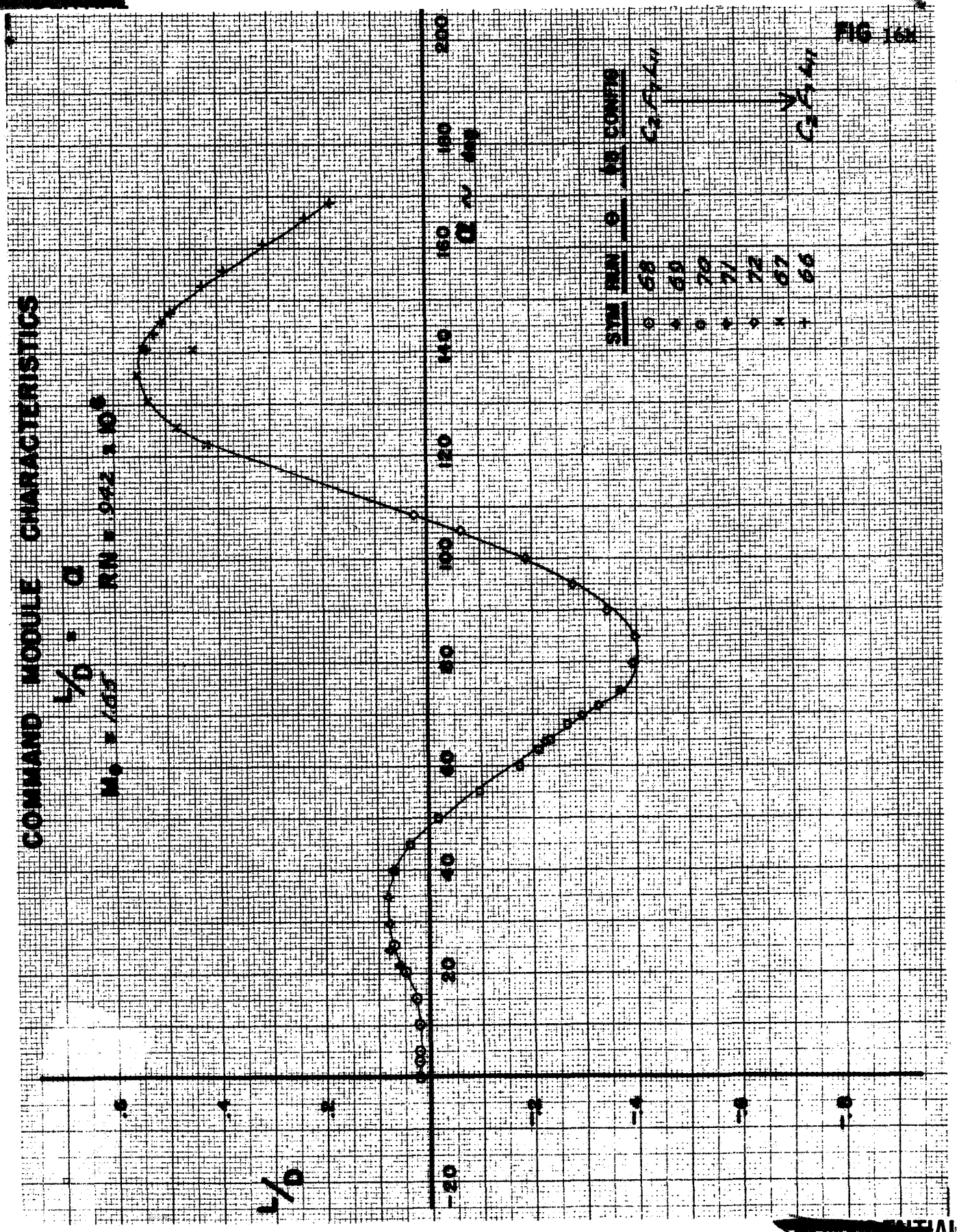
[redacted]

FIG 16K



[redacted]

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APPENDIX B

TABULATED DATA

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[redacted]

TABULATED DATA FORMAT

Column	Identification	Units
1	Run/Point	-
2	α	Degrees
3	ϕ_B	Degrees
4	C_N	-
5	C_A	-
6	C_{m_A}	-
7	$X_{cp/d}$	-
8	C_Y	-
9	C_N	-
10	C_n	-
11	C_L	-
12	C_D	-
13	$C_{m_{cg}}$	-
14	Mach No.	-
15	Reynolds No.	10^{-6}/in.
16	Base Pressure	psi

[redacted]

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page 1 11-14-62 700536 200002 200070 200000 207000 200021 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2002.02	+ .00	+ .00	+ .0031	+ .6738	- .0010	- .3226	- .0042	+ .0031	+ .0005	+ .0031	+ .6738	+ .0409	+ .70	+ .3823	- .0058
2002.03	+ 3.14	+ .00	+ .0409	+ .6733	- .0291	- .7115	- .0044	+ .0409	+ .0006	+ .0039	+ .6746	+ .0387	+ .70	+ .3823	- .0058
2002.04	+ 5.19	+ .00	+ .0700	+ .6700	- .0504	- .7200	- .0057	+ .0700	+ .0007	+ .0091	+ .6737	+ .0372	+ .70	+ .3827	- .0058
2002.05	+ 10.36	+ .00	+ .1425	+ .6623	- .1021	- .7165	+ .0013	+ .1425	+ .0007	+ .0211	+ .6772	+ .0346	+ .70	+ .3823	- .0058
2002.06	+ 15.56	+ .00	+ .2198	+ .6162	- .1557	- .7084	+ .0021	+ .2198	+ .0007	+ .0464	+ .6527	+ .0314	+ .70	+ .3823	- .0058
2002.07	+ 20.71	+ .00	+ .2943	+ .5618	- .2044	- .6945	+ .0034	+ .2943	+ .0006	+ .0766	+ .6295	+ .0305	+ .70	+ .3823	- .0058
2002.08	+ 25.93	+ .00	+ .3677	+ .4983	- .2536	- .6897	+ .0073	+ .3677	+ .0005	+ .1127	+ .6089	+ .0279	+ .70	+ .3827	- .0058
2002.09	+ .00	+ .00	- .0016	+ .6772	+ .0014	- .8750	- .0039	- .0016	+ .0008	- .0016	+ .6772	+ .0402	+ .70	+ .3823	- .0077

+300201 +00000 -00001 -00001 +00001 -00001 +00002 -00001

page 1 11-14-62 700536 200003 200070 200040 217040 200022 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2003.02	+ 35.37	+180.00	+ .4711	+ .3239	- .3221	- .6837	+ .0036	+ .4711	+ .0004	+ .1966	+ .5369	+ .0200	+ .70	+ .3764	+13.6534
2003.03	+ 30.14	+180.00	+ .4261	+ .4092	- .2924	- .6862	+ .0125	+ .4261	- .0022	+ .1630	+ .5678	+ .0239	+ .70	+ .3753	+13.6534
2003.04	+ 24.91	+180.00	+ .3629	+ .5033	- .2487	- .6853	+ .0162	+ .3629	- .0032	+ .1172	+ .6093	+ .0298	+ .70	+ .3746	+13.6515
2003.05	+ 21.69	+180.00	+ .3205	+ .5594	- .2188	- .6827	+ .0159	+ .3205	- .0031	+ .0909	+ .6383	+ .0340	+ .70	+ .3743	+13.6496
2003.06	+ 35.39	+180.00	+ .4770	+ .3238	- .3261	- .6836	+ .0083	+ .4770	- .0009	+ .2014	+ .5401	+ .0201	+ .70	+ .3756	+13.6457
2003.07	+ 40.60	+180.00	+ .5137	+ .2351	- .3491	- .6796	+ .0050	+ .5137	- .0003	+ .2371	+ .5127	+ .0170	+ .70	+ .3753	+13.6457
2003.08	+ 35.35	+180.00	+ .4719	+ .3278	- .3233	- .6851	+ .0073	+ .4719	- .0006	+ .1954	+ .5404	+ .0196	+ .70	+ .3753	+13.6457

+300301 -00001 -00001 +00000 +00003 -00001 +00003 +00000

page 1 11-14-62 700536 200004 200070 200040 207040 200023 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2004.01	+ 40.56	+ .00	+ .5126	+ .2499	- .3491	- .6810	+ .0052	+ .5126	- .0003	+ .2269	+ .5230	+ .0171	+ .70	+ .3736	+13.6380
2004.02	+ 45.81	+ .00	+ .5576	+ .1676	- .3755	- .6734	- .0005	+ .5576	+ .0013	+ .2685	+ .5165	+ .0167	+ .70	+ .3739	+13.6303
2004.03	+ 51.00	+ .00	+ .5890	+ .0829	- .3915	- .6647	- .0018	+ .5890	+ .0012	+ .3061	+ .5100	+ .0172	+ .70	+ .3736	+13.6361
2004.04	+ 56.14	+ .00	+ .6225	+ .0395	- .4143	- .6655	+ .0021	+ .6225	+ .0001	+ .3140	+ .5390	+ .0148	+ .70	+ .3736	+13.6342
2004.05	+ 60.06	+ .00	+ .4219	+ .4394	- .3167	- .7507	+ .0186	+ .4219	- .0040	- .1702	+ .5850	- .0015	+ .70	+ .3739	+13.5359
2004.06	+ 63.01	+ .00	+ .4137	+ .4377	- .3150	- .7614	+ .0198	+ .4137	- .0049	- .2024	+ .5673	- .0055	+ .70	+ .3743	+13.5359
2004.07	+ 65.00	+ .00	+ .4072	+ .4304	- .3146	- .7726	+ .0248	+ .4072	- .0064	- .2181	+ .5508	- .0100	+ .70	+ .3743	+13.5379
2004.08	+ 40.60	+ .00	+ .5056	+ .2219	- .3426	- .6776	+ .0016	+ .5056	+ .0006	+ .2395	+ .4975	+ .0171	+ .70	+ .3739	+13.6284
2004.09	+ 56.14	+ .00	+ .6242	+ .0403	- .4155	- .6657	+ .0047	+ .6242	- .0003	+ .3145	+ .5409	+ .0149	+ .70	+ .3749	+13.6265
2004.10	+ 60.02	+ .00	+ .4185	+ .4444	- .3124	- .7465	+ .0175	+ .4185	- .0041	- .1759	+ .5845	+ .0007	+ .70	+ .3756	+13.5398
2004.11	+ 40.62	+ .00	+ .5089	+ .2193	- .3453	- .6785	- .0008	+ .5089	+ .0009	+ .2435	+ .4977	+ .0165	+ .70	+ .3763	+13.6284
2004.12	+ 58.10	+ .00	+ .6141	+ .0508	- .4206	- .6849	+ .0107	+ .6141	- .0018	+ .2815	+ .5482	+ .0035	+ .70	+ .3763	+13.6265
2004.13	+ 58.09	+ .00	+ .6165	+ .0529	- .4227	- .6856	+ .0117	+ .6165	- .0021	+ .2810	+ .5514	+ .0032	+ .70	+ .3777	+13.6245
2004.14	+ 58.28	+ .00	+ .6122	+ .0507	- .4201	- .6862	+ .0123	+ .6122	- .0022	+ .2787	+ .5474	+ .0027	+ .70	+ .3753	+13.6265
2004.15	+ 58.48	+ .00	+ .6125	+ .0542	- .4215	- .6882	+ .0126	+ .6125	- .0025	+ .2740	+ .5505	+ .0016	+ .70	+ .3746	+13.6226
2004.16	+ 58.67	+ .00	+ .6100	+ .0604	- .4217	- .6913	+ .0125	+ .6100	- .0025	+ .2657	+ .5524	+ .0001	+ .70	+ .3763	+13.6226
2004.17	+ 58.37	+ .00	+ .4609	+ .1744	- .3261	- .7075	+ .0153	+ .4609	- .0032	+ .0931	+ .4841	+ .0003	+ .70	+ .3770	+13.5783
2004.18	+ 58.08	+ .00	+ .4274	+ .4318	- .3180	- .7440	+ .0163	+ .4274	- .0033	- .1406	+ .5911	+ .0005	+ .70	+ .3777	+13.5340
2004.19	+ 58.09	+ .00	+ .4316	+ .4334	- .3190	- .7391	+ .0148	+ .4316	- .0029	- .1399	+ .5954	+ .0024	+ .70	+ .3753	+13.5244
2004.20	+ 57.62	+ .00	+ .6202	+ .0462	- .4189	- .6754	+ .0070	+ .6202	- .0008	+ .2930	+ .5485	+ .0091	+ .70	+ .3746	+13.6053
2004.21	+ 40.60	+ .00	+ .5109	+ .2294	- .3453	- .6759	+ .0008	+ .5109	+ .0014	+ .2385	+ .5068	+ .0185	+ .70	+ .3750	+13.6168
2004.22	+ 40.59	+ .00	+ .5024	+ .2206	- .3404	- .6775	- .0005	+ .5024	+ .0016	+ .2380	+ .4943	+ .0170	+ .70	+ .3753	+13.6187

+300301 -00001 -00001 +00000 +00003 -00001 +00003 +00000

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page 1 11-15-62 700536 200018 200165 200000 210000 200001 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2018.02	+ .00	+ .00	- .0027	+ 1.0914	+ .0012	- .4444	- .0016	- .0027	- .0001	- .0027	+ 1.0914	+ .0637	+ 1.65	+ .4189	+ 2.0416
2018.03	+ 3.02	+ .00	+ .0409	+ 1.0814	- .0289	- .7066	- .0046	+ .0409	- .0002	- .0160	+ 1.0821	+ .0630	+ 1.65	+ .4183	+ 2.0377
2018.04	+ 5.04	+ .00	+ .0730	+ 1.0704	- .0506	- .6932	- .0071	+ .0730	- .0002	- .0213	+ 1.0727	+ .0626	+ 1.65	+ .3049	+ 2.0281
2018.05	+ 10.12	+ .00	+ .1567	+ 1.0235	- .1064	- .6790	- .0043	+ .1567	- .0003	- .0256	+ 1.0352	+ .0614	+ 1.65	+ .3049	+ 2.0705
2018.06	+ 15.18	+ .00	+ .2414	+ .9806	- .1634	- .6769	- .0050	+ .2414	- .0003	- .0238	+ 1.0096	+ .0599	+ 1.65	+ .3053	+ 2.0608
2018.07	+ 20.24	+ .00	+ .3248	+ .9436	- .2235	- .6881	- .0011	+ .3248	- .0003	- .0218	+ .9977	+ .0549	+ 1.65	+ .3045	+ 1.9645
2018.08	+ 25.28	+ .00	+ .4016	+ .8868	- .2810	- .6997	- .0021	+ .4016	- .0004	- .0156	+ .9734	+ .0467	+ 1.65	+ .3049	+ 1.8374
2018.10	+ .00	+ .00	- .0032	+ 1.0990	+ .0021	- .6563	- .0016	- .0032	- .0001	- .0032	+ 1.0990	+ .0547	+ 1.65	+ .3049	+ 2.0416

+301801 -00001 -00002 +00000 +00002 +00000 +00003 +00000

page 1 11-15-62 700536 200019 200165 200000 210000 200001 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2019.02	+ .00	+ .00	- .0021	+ 1.1024	+ .0019	- .9048	- .0039	- .0021	- .0002	- .0021	+ 1.1024	+ .0656	+ 1.65	+ .3057	+ 1.9299
2019.03	+ 3.02	+ .00	+ .0432	+ 1.0872	- .0293	- .6782	- .0057	+ .0432	- .0002	- .0142	+ 1.0879	+ .0644	+ 1.65	+ .3061	+ 1.9491
2019.04	+ 5.05	+ .00	+ .0751	+ 1.0731	- .0504	- .6711	- .0080	+ .0751	- .0002	- .0196	+ 1.0756	+ .0645	+ 1.65	+ .3061	+ 1.9568
2019.05	+ 10.11	+ .00	+ .1613	+ 1.0244	- .1088	- .6745	- .0032	+ .1613	- .0003	- .0210	+ 1.0368	+ .0622	+ 1.65	+ .3061	+ 2.0107
2019.06	+ 15.18	+ .00	+ .2463	+ .9831	- .1660	- .6740	- .0062	+ .2463	- .0004	- .0196	+ 1.0132	+ .0609	+ 1.65	+ .3065	+ 1.9934
2019.07	+ 20.21	+ .00	+ .3285	+ .9449	- .2258	- .6874	- .0039	+ .3285	- .0004	- .0183	+ 1.0002	+ .0551	+ 1.65	+ .3061	+ 1.8701
2019.08	+ 25.31	+ .00	+ .4079	+ .8897	- .2855	- .6999	- .0032	+ .4079	- .0004	- .0116	+ .9787	+ .0467	+ 1.65	+ .3053	+ 1.7681
2019.09	+ .00	+ .00	- .0021	+ 1.0959	+ .0030	- 1.4286	- .0037	- .0021	- .0001	- .0021	+ 1.0959	+ .0562	+ 1.65	+ .3053	+ 2.0127

+301901 -00002 +00000 +00006 +00002 +00001 +00002 +00000

page 1 11-15-62 000000 200020 200165 200040 211040 200002 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2020.02	+ 39.91	+ .00	+ .5272	+ .7782	- .3760	- .7132	- .0037	+ .5272	+ .0007	- .0950	+ .9351	+ .0314	+ 1.65	+ .3061	+ 1.6756
2020.03	+ 39.98	+180.00	+ .6003	+ .7159	- .4269	- .7111	+ .0018	+ .6003	- .0010	+ .0000	+ .9343	+ .0269	+ 1.65	+ .3074	+ 1.6467
2020.04	+ 34.92	+180.00	+ .5419	+ .7777	- .3825	- .7058	+ .0014	+ .5419	- .0007	- .0009	+ .9478	+ .0349	+ 1.65	+ .3069	+ 1.6487
2020.05	+ 29.86	+180.00	+ .4727	+ .8380	- .3307	- .6996	- .0018	+ .4727	+ .0003	- .0073	+ .9622	+ .0428	+ 1.65	+ .3069	+ 1.6833
2020.06	+ 24.80	+180.00	+ .3973	+ .8820	- .2747	- .6914	+ .0009	+ .3973	- .0004	- .0093	+ .9672	+ .0497	+ 1.65	+ .3069	+ 1.8490
2020.07	+ 21.77	+180.00	+ .3513	+ .9268	- .2405	- .6846	+ .0002	+ .3513	- .0001	- .0176	+ .9909	+ .0551	+ 1.65	+ .3057	+ 1.8701
2020.08	+ 39.99	+180.00	+ .5983	+ .7169	- .4252	- .7107	+ .0018	+ .5983	- .0010	- .0023	+ .9338	+ .0273	+ 1.65	+ .3057	+ 1.6467

+302001 -00001 +00002 +00001 +00002 +00001 +00003 +00000

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2021.01	+ 39.97	+ .00	+ .6004	+ .7124	- .4292	- .7149	- .0007	+ .6004	- .0001	+ .0025	+ .9316	+ .0244	+ 1.65	+ .3057	+ 1.6371
2021.02	+ 45.03	+ .00	+ .6503	+ .6763	- .4688	- .7209	- .0018	+ .6503	+ .0003	- .0189	+ .9382	+ .0170	+ 1.65	+ .3057	+ 1.5658
2021.03	+ 50.05	+ .00	+ .6895	+ .6458	- .5005	- .7259	- .0043	+ .6895	+ .0009	- .0522	+ .9432	+ .0104	+ 1.65	+ .3057	+ 1.5292
2021.04	+ 55.06	+ .00	+ .7196	+ .6378	- .5246	- .7290	- .0030	+ .7196	+ .0007	- .1107	+ .9551	+ .0064	+ 1.65	+ .3061	+ 1.3251
2021.05	+ 60.09	+ .00	+ .7402	+ .6179	- .5410	- .7309	- .0032	+ .7402	+ .0009	- .1665	+ .9498	+ .0030	+ 1.65	+ .3057	+ 1.0208
2021.06	+ 63.11	+ .00	+ .7502	+ .5874	- .5491	- .7319	- .0046	+ .7502	+ .0013	- .1845	+ .9348	- .0000	+ 1.65	+ .3057	+ .9572
2021.07	+ 65.15	+ .00	+ .7579	+ .5617	- .5540	- .7310	- .0053	+ .7579	+ .0015	- .1912	+ .9237	- .0012	+ 1.65	+ .3053	+ .9803
2021.08	+ 68.16	+ .00	+ .7618	+ .5219	- .5569	- .7310	- .0066	+ .7616	+ .0022	- .2010	+ .9013	- .0039	+ 1.65	+ .3053	+ 1.3251
2021.09	+ 39.98	+ .00	+ .6006	+ .7151	- .4283	- .7131	- .0011	+ .6006	+ .0001	+ .0007	+ .9338	+ .0257	+ 1.65	+ .3057	+ 1.6178

+307401 -00004 -00002 -00006 +00001 +00001 +00006 +00001

page 1 11-14-62 700536 200022 200165 200080 211000 200004 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2022.02	+ 79.69	+ .00	+ .7410	+ .5121	- .5367	- .7243	- .0064	+ .7410	+ .0028	- .3712	+ .8207	+ .0016	+ 1.65	+ .3061	+ 1.4849
2022.03	+ 79.77	+180.00	+ .7571	+ .4211	- .5485	- .7245	+ .0005	+ .7571	- .0001	- .2799	+ .8198	- .0046	+ 1.65	+ .3065	+ 1.4907
2022.04	+ 74.70	+180.00	+ .7694	+ .4911	- .5592	- .7268	- .0025	+ .7694	+ .0011	- .2708	+ .8718	- .0027	+ 1.65	+ .3065	+ 1.3501
2022.05	+ 71.68	+180.00	+ .7676	+ .5326	- .5577	- .7266	- .0032	+ .7676	+ .0016	- .2644	+ .8960	- .0000	+ 1.65	+ .3065	+ 1.4310
2022.06	+ 69.66	+180.00	+ .7612	+ .5584	- .5527	- .7261	- .0046	+ .7612	+ .0027	- .2589	+ .9078	+ .0021	+ 1.65	+ .3065	+ 1.6024
2022.07	+ 64.66	+180.00	+ .7459	+ .5791	- .5420	- .7266	- .0046	+ .7459	+ .0024	- .2042	+ .9220	+ .0036	+ 1.65	+ .3065	+ 2.0377
2022.08	+ 79.76	+180.00	+ .7562	+ .4222	- .5474	- .7239	+ .0005	+ .7562	+ .0001	- .2810	+ .8191	- .0040	+ 1.65	+ .3065	+ 1.4772

+302201 -00001 +00003 -00002 +00001 +00001 +00002 -00001

page 1 11-14-62 700536 200023 200165 200080 201080 200005 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2023.01	+ 79.77	+ .00	+ .7555	+ .4186	- .5493	- .7271	- .0043	+ .7555	+ .0022	- .2777	+ .8177	- .0066	+ 1.65	+ .3057	+ 1.4830
2023.02	+ 84.82	+ .00	+ .7277	+ .3442	- .5268	- .7239	- .0016	+ .7277	+ .0012	- .2771	+ .7558	- .0076	+ 1.65	+ .3061	+ 1.7970
2023.03	+ 89.88	+ .00	+ .7007	+ .2541	- .5033	- .7183	- .0023	+ .7007	+ .0014	- .2527	+ .7012	- .0079	+ 1.65	+ .3065	+ 1.8066
2023.04	+ 94.94	+ .00	+ .6763	+ .1407	- .4795	- .7090	- .0018	+ .6763	+ .0013	- .1984	+ .6617	- .0075	+ 1.65	+ .3065	+ 1.6506
2023.05	+100.03	+ .00	+ .6307	+ .0249	- .4389	- .6959	- .0014	+ .6307	+ .0010	- .1344	+ .6168	- .0050	+ 1.65	+ .3065	+ 1.8856
2023.06	+105.15	+ .00	+ .5862	- .1170	- .3976	- .6783	+ .0021	+ .5862	- .0008	- .0404	+ .5965	- .0026	+ 1.65	+ .3065	+ 1.4406
2023.07	+108.23	+ .00	+ .5566	- .2114	- .3701	- .6649	- .0027	+ .5566	+ .0016	+ .0267	+ .5949	- .0009	+ 1.65	+ .3065	+ 1.4156
2023.08	+ 79.78	+ .00	+ .7552	+ .4186	- .5489	- .7268	- .0041	+ .7552	+ .0023	- .2778	+ .8175	- .0064	+ 1.65	+ .3065	+ 1.4869

+307601 -00003 -00002 -00007 -00001 +00001 +00005 +00000

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2026.02	+ .00	+ .00	- .0032	+ 1.1058	+ .0042	- 1.3125	- .0055	- .0032	- .0001	- .0032	+ 1.1058	+ .0673	+ 1.65	+ .3065	+ 1.9048
2026.03	+ 3.04	+ .00	+ .0490	+ 1.0960	- .0292	- .5959	- .0039	+ .0490	- .0001	- .0091	+ 1.0972	+ .0691	+ 1.65	+ .3065	+ 1.8952
2026.04	+ 5.03	+ .00	+ .0849	+ 1.0819	- .0499	- .5878	- .0057	+ .0849	- .0001	- .0103	+ 1.0851	+ .0721	+ 1.65	+ .3065	+ 1.8817
2026.05	+ 10.14	+ .00	+ .1832	+ 1.0363	- .1086	- .5928	- .0021	+ .1832	- .0002	- .0021	+ 1.0522	+ .0781	+ 1.65	+ .3065	+ 1.8952
2026.06	+ 15.23	+ .00	+ .2899	+ .9895	- .1742	- .6009	- .0014	+ .2899	- .0001	+ .0198	+ 1.0310	+ .0830	+ 1.65	+ .3065	+ 1.8413
2026.07	+ 20.29	+ .00	+ .3996	+ .9443	- .2435	- .6094	- .0018	+ .3996	- .0001	+ .0474	+ 1.0244	+ .0862	+ 1.65	+ .3065	+ 1.6949
2026.08	+ 25.40	+ .00	+ .5132	+ .8907	- .3207	- .6249	+ .0039	+ .5132	- .0002	+ .0814	+ 1.0249	+ .0838	+ 1.65	+ .3065	+ 1.6352
2026.09	+ .01	+ .00	- .0043	+ 1.1070	+ .0061	- 1.4186	- .0052	- .0043	- .0001	- .0046	+ 1.1070	+ .0684	+ 1.65	+ .3065	+ 1.8856

+302601 +00002 +00000 -00001 +00001 +00002 +00004 +00001

page 11-16-62 700536 200027 200165 200040 212040 200008 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2027.03	+ 40.03	+ .00	+ .3706	+ .4073	- .2323	- .6263	+ .0036	+ .3706	- .0020	+ .0215	+ .5503	+ .0458	+ 1.65	+ .3069	+ 1.6313
2027.04	+ 40.08	+180.00	+ .7681	+ .7307	- .4932	- .6421	+ .0071	+ .7681	- .0024	+ .1172	+ 1.0537	+ .0766	+ 1.65	+ .3061	+ 1.6255
2027.05	+ 35.05	+180.00	+ .6914	+ .7914	- .4386	- .6344	+ .0055	+ .6914	- .0022	+ .1115	+ 1.0450	+ .0822	+ 1.65	+ .3061	+ 1.5601
2027.06	+ 29.96	+180.00	+ .6008	+ .8412	- .3763	- .6263	+ .0027	+ .6008	- .0012	+ .1004	+ 1.0290	+ .0853	+ 1.65	+ .3065	+ 1.5812
2027.07	+ 24.85	+180.00	+ .5021	+ .9083	- .3105	- .6184	+ .0007	+ .5021	- .0004	+ .0739	+ 1.0351	+ .0874	+ 1.65	+ .3065	+ 1.6217
2027.08	+ 21.81	+180.00	+ .4368	+ .9539	- .2688	- .6154	- .0034	+ .4368	+ .0008	+ .0511	+ 1.0479	+ .0870	+ 1.65	+ .3065	+ 1.5851
2027.09	+ 40.08	+180.00	+ .7685	+ .7359	- .4918	- .6399	+ .0073	+ .7685	- .0024	+ .1143	+ 1.0579	+ .0785	+ 1.65	+ .3065	+ 1.5870
2027.10	+ 40.08	+180.00	+ .7702	+ .7357	- .4934	- .6406	+ .0069	+ .7702	- .0025	+ .1156	+ 1.0589	+ .0781	+ 1.65	+ .3061	+ 1.5986

+302701 +00003 +00001 +00000 +00001 +00002 +00002 +00001

page 1 11-16-62 700536 200028 200165 200040 202000 200009 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2028.01	+ 40.10	+ .00	+ .7721	+ .7286	- .4968	- .6434	+ .0068	+ .7721	- .0024	+ .1213	+ 1.0547	+ .0756	+ 1.65	+ .3065	+ 1.6024
2028.02	+ 45.12	+ .00	+ .8344	+ .6928	- .5423	- .6499	+ .0087	+ .8344	- .0029	+ .0978	+ 1.0802	+ .0707	+ 1.65	+ .3061	+ 1.6121
2028.03	+ 50.19	+ .00	+ .8860	+ .6775	- .5802	- .6549	+ .0098	+ .8860	- .0034	+ .0468	+ 1.1144	+ .0673	+ 1.65	+ .3061	+ 1.5524
2028.04	+ 55.20	+ .00	+ .9167	+ .6873	- .6060	- .6611	+ .0089	+ .9167	- .0033	- .0411	+ 1.1451	+ .0631	+ 1.65	+ .3065	+ 1.2249
2028.05	+ 60.17	+ .00	+ .9349	+ .6766	- .6198	- .6630	+ .0096	+ .9349	- .0035	- .1220	+ 1.1475	+ .0612	+ 1.65	+ .3061	+ .7839
2028.06	+ 63.19	+ .00	+ .9369	+ .6622	- .6226	- .6645	+ .0142	+ .9369	- .0052	- .1683	+ 1.1350	+ .0588	+ 1.65	+ .3061	+ .8744
2028.07	+ 65.22	+ .00	+ .9388	+ .6434	- .6234	- .6640	+ .0101	+ .9388	- .0039	- .1907	+ 1.1220	+ .0582	+ 1.65	+ .3061	+ .8590
2028.08	+ 68.21	+ .00	+ .9291	+ .6208	- .6181	- .6653	+ .0066	+ .9291	- .0025	- .2315	+ 1.0931	+ .0556	+ 1.65	+ .3057	+ .8397
2028.09	+ 40.09	+ .00	+ .7736	+ .7300	- .4972	- .6427	+ .0073	+ .7736	- .0024	+ .1217	+ 1.0566	+ .0763	+ 1.65	+ .3061	+ 1.6159

+308101 -00006 -00002 -00009 -00001 +00002 +00008 +00000

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page 1 11-16-62 700536 200029 200165 200080 212080 200010 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2029.02	+ 79.68	+ .00	+ .8764	+ .6062	- .5718	- .6524	- .0057	+ .8764	+ .0026	- .4395	+ .9708	+ .0649	+ 1.65	+ .3061	+ 1.5004
2029.03	+ 79.74	+180.00	+ .8910	+ .5146	- .5826	- .6539	+ .0030	+ .8910	- .0015	- .3476	+ .9685	+ .0587	+ 1.65	+ .3061	+ 1.4907
2029.04	+ 74.67	+180.00	+ .9020	+ .5998	- .5958	- .6605	+ .0021	+ .9020	- .0008	- .3401	+ 1.0285	+ .0580	+ 1.65	+ .3061	+ 1.4214
2029.05	+ 71.66	+180.00	+ .9051	+ .6298	- .5997	- .6626	- .0002	+ .9051	+ .0005	- .3130	+ 1.0572	+ .0581	+ 1.65	+ .3065	+ 1.3983
2029.06	+ 69.65	+180.00	+ .9033	+ .6401	- .5991	- .6632	- .0057	+ .9033	+ .0030	- .2860	+ 1.0696	+ .0580	+ 1.65	+ .3065	+ 1.4214
2029.07	+ 64.63	+180.00	+ .9041	+ .6706	- .5971	- .6604	- .0091	+ .9041	+ .0049	- .2187	+ 1.1043	+ .0623	+ 1.65	+ .3069	+ 1.5890
2029.08	+ 64.63	+180.00	+ .9056	+ .6704	- .5987	- .6611	- .0096	+ .9056	+ .0051	- .2178	+ 1.1054	+ .0618	+ 1.65	+ .3065	+ 1.5812
2029.09	+ 79.74	+180.00	+ .8918	+ .5143	- .5832	- .6540	+ .0023	+ .8918	- .0010	- .3474	+ .9692	+ .0586	+ 1.65	+ .3069	+ 1.4464

+302901 +00002 +00003 +00006 -00001 +00003 +00003 +00000

page 1 11-14-62 700536 200030 200165 200080 202080 200011 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2030.01	+ 79.74	+ .00	+ .8953	+ .5155	- .5848	- .6532	- .0002	+ .8953	+ .0001	- .3479	+ .9729	+ .0594	+ 1.65	+ .3065	+ 1.4387
2030.02	+ 84.81	+ .00	+ .8658	+ .4162	- .5579	- .6444	- .0071	+ .8658	+ .0033	- .3362	+ .9000	+ .0603	+ 1.65	+ .3069	+ 1.4445
2030.03	+ 89.93	+ .00	+ .8399	+ .2888	- .5293	- .6302	- .0002	+ .8399	- .0009	- .2879	+ .8403	+ .0636	+ 1.65	+ .3065	+ 1.4310
2030.04	+ 94.99	+ .00	+ .8091	+ .1640	- .4959	- .6129	- .0055	+ .8091	+ .0021	- .2338	+ .7917	+ .0685	+ 1.65	+ .3065	+ 1.4965
2030.05	+100.08	+ .00	+ .7565	+ .0340	- .4528	- .5985	- .0050	+ .7565	+ .0020	- .1658	+ .7389	+ .0679	+ 1.65	+ .3061	+ 1.7084
2030.06	+105.19	+ .00	+ .7124	- .1037	- .4195	- .5889	- .0041	+ .7124	+ .0016	- .0866	+ .7147	+ .0628	+ 1.65	+ .3061	+ 1.6718
2030.07	+108.27	+ .00	+ .6770	- .1914	- .3931	- .5806	- .0037	+ .6770	+ .0018	- .0304	+ .7028	+ .0598	+ 1.65	+ .3061	+ 1.6718
2030.08	+ 79.74	+ .00	+ .8944	+ .5169	- .5831	- .6519	- .0043	+ .8944	+ .0022	- .3492	+ .9722	+ .0606	+ 1.65	+ .3065	+ 1.4965
2030.09	+ 79.74	+ .00	+ .8954	+ .5153	- .5848	- .6531	- .0039	+ .8954	+ .0020	- .3476	+ .9728	+ .0595	+ 1.65	+ .3061	+ 1.4811

+303000 +00002 +00003 +00006 -00001 +00003 +00003 +00000

page 1 11-16-62 700536 200031 200165 200140 212100 200012 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2031.02	+140.37	+ .00	+ .3187	- 1.0778	- .1280	- .4016	- .0055	+ .3187	+ .0013	+ .4421	+ 1.0333	+ .0269	+ 1.65	+ .4195	+ 1.2885
2031.03	+140.44	+180.00	+ .2388	- 1.1483	- .0789	- .3304	- .0025	+ .2388	+ .0004	+ .5472	+ 1.0374	+ .0171	+ 1.65	+ .3073	+ 1.2981
2031.04	+135.32	+180.00	+ .3113	- 1.0251	- .1236	- .3970	- .0021	+ .3113	+ .0001	+ .4995	+ .9479	+ .0294	+ 1.65	+ .3069	+ 1.2827
2031.05	+130.24	+180.00	+ .3853	- .8839	- .1722	- .4469	- .0030	+ .3853	+ .0005	+ .4259	+ .8652	+ .0398	+ 1.65	+ .3073	+ 1.2538
2031.06	+125.10	+180.00	+ .4573	- .7243	- .2223	- .4861	- .0053	+ .4573	+ .0013	+ .3296	+ .7905	+ .0485	+ 1.65	+ .3069	+ 1.2288
2031.07	+122.06	+180.00	+ .5050	- .6261	- .2589	- .5127	- .0062	+ .5050	+ .0016	+ .2625	+ .7603	+ .0504	+ 1.65	+ .3065	+ 1.3020
2031.08	+140.44	+180.00	+ .2412	- 1.1471	- .0788	- .3267	- .0021	+ .2412	+ .0005	+ .5445	+ 1.0379	+ .0189	+ 1.65	+ .3061	+ 1.2307

+303101 -00005 +00001 +00001 -00001 +00003 +00003 +00000

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page 1 11-16-62 700536 200032 200165 200140 202140 200013 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2032.01	+140.44	+ .00	+ .2331	- 1.1478	- .0785	- .3368	+ .0046	+ .2331	+ .0001	+ .5513	+ 1.033	+ .0136	+ 1.65	+ .3065	+ 1.2538
2032.02	+143.46	+ .00	+ .1914	- 1.2089	- .0523	- .2732	+ .0055	+ .1914	- .0001	+ .5659	+ 1.0853	+ .0076	+ 1.65	+ .3065	+ 1.3097
2032.03	+145.51	+ .00	+ .1661	- 1.2489	- .0382	- .2300	+ .0050	+ .1661	- .0000	+ .5703	+ 1.1234	+ .0020	+ 1.65	+ .3065	+ 1.3906
2032.04	+147.55	+ .00	+ .1405	- 1.2812	- .0232	- .1651	+ .0066	+ .1405	- .0004	+ .5690	+ 1.1564	- .0025	+ 1.65	+ .3061	+ 1.4772
2032.05	+152.60	+ .00	+ .0895	- 1.3588	+ .0005	+ .0056	+ .0027	+ .0895	+ .0012	+ .5459	+ 1.2476	- .0183	+ 1.65	+ .3061	+ 1.4849
2032.06	+155.65	+ .00	+ .0671	- 1.3980	+ .0078	+ .1162	+ .0027	+ .0671	+ .0010	+ .5153	+ 1.3013	- .0287	+ 1.65	+ .3065	+ 1.5196
2032.07	+160.65	+ .00	+ .0379	- 1.4598	+ .0106	+ .2797	+ .0041	+ .0379	+ .0005	+ .4480	+ 1.3898	- .0496	+ 1.65	+ .3065	+ 1.4580
2032.08	+165.72	+ .00	+ .0190	- 1.5146	+ .0070	+ .3684	+ .0048	+ .0190	+ .0003	+ .3552	+ 1.4726	- .0693	+ 1.65	+ .3061	+ 1.2500
2032.09	+168.68	+ .00	+ .0123	- 1.5128	+ .0053	+ .4309	+ .0064	+ .0123	- .0006	+ .2848	+ 1.4858	- .0754	+ 1.65	+ .3061	+ 1.2943
2032.10	+140.41	+ .00	+ .2336	- 1.1467	- .0777	- .3326	+ .0041	+ .2336	+ .0004	+ .5509	+ 1.0324	+ .0148	+ 1.65	+ .3065	+ 1.2923

+314001 -00015 -00005 -00025 -00010 +00009 +00008 +00000

1 11-16-62 700536 200033 200165 200000 203000 200014 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2033.02 -	.00 +	.00 -	.0027 +	1.0930 +	.0033 -	1.2222 -	.0059 -	.0027 -	.0001 -	.0023 +	1.0930 +	.0659 +	1.65 +	.3090 +	1.9183
2033.03 +	3.03 +	.00 +	.0472 +	1.0846 -	.0297 -	1.6252 -	.0048 +	.0472 -	.0001 -	.0103 +	1.0855 +	.0667 +	1.65 +	.3081 +	1.8894
2033.04 +	5.05 +	.00 +	.0810 +	1.0698 -	.0518 -	.6395 -	.0057 +	.0810 -	.0001 -	.0135 +	1.0728 +	.0668 +	1.65 +	.3081 +	1.8836
2033.05 +	10.12 +	.00 +	.1711 +	1.0279 -	.1096 -	.6406 -	.0032 +	.1711 -	.0001 -	.0121 +	1.0420 +	.0683 +	1.65 +	.3077 +	1.8952
2033.06 +	15.21 +	.00 +	.2659 +	.9833 -	.1703 -	.6405 -	.0023 +	.2659 -	.0002 -	.0014 +	1.0187 +	.0700 +	1.65 +	.3077 +	1.8528
2033.07 +	20.24 +	.00 +	.3577 +	.9376 -	.2313 -	.6466 +	.0025 +	.3577 -	.0001 +	.0112 +	1.0034 +	.0693 +	1.65 +	.3061 +	1.8181
2033.08 +	25.29 +	.00 +	.4481 +	.8866 -	.2953 -	.6590 +	.0041 +	.4481 -	.0001 +	.0264 +	.9929 +	.0642 +	1.65 +	.3069 +	1.7103
2033.09 +	.01 +	.00 -	.0025 +	1.0933 +	.0044 -	1.7600 -	.0043 -	.0025 -	.0001 -	.0027 +	1.0933 +	.0671 +	1.65 +	.3065 +	1.8913
2033.10 +	.01 +	.00 -	.0021 +	1.0930 +	.0030 -	1.4286 -	.0048 -	.0021 -	.0001 -	.0023 +	1.0930 +	.0660 +	1.65 +	.3061 +	1.8990

+303301 +00001 -00001 -00003 +00000 +00003 +00003 -00002

page 1 11-16-62 700536 200034 200165 200040 213040 200015 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2034.02 +	39.96 +	.00 +	.5932 +	.7907 -	.4021 -	.6778 +	.0009 +	.5932 -	.0004 -	.0532 +	.9871 +	.0513 +	1.65 +	.3174 +	1.6371
2034.03 +	40.01 +	180.00 +	.6666 +	.7304 -	.4543 -	.6815 +	.0051 +	.6666 -	.0016 +	.0410 +	.9880 +	.0458 +	1.65 +	.3132 +	1.6275
2034.04 +	34.97 +	180.00 +	.6011 +	.7829 -	.4050 -	.6738 +	.0029 +	.6011 -	.0010 +	.0439 +	.9862 +	.0533 +	1.65 +	.3119 +	1.6294
2034.05 +	29.88 +	180.00 +	.5232 +	.8311 -	.3481 -	.6653 +	.0009 +	.5232 -	.0001 +	.0395 +	.9812 +	.0596 +	1.65 +	.3115 +	1.7007
2034.06 +	24.81 +	180.00 +	.4408 +	.8831 -	.2895 -	.6568 -	.0009 +	.4408 +	.0004 +	.0295 +	.9865 +	.0648 +	1.65 +	.3103 +	1.8413
2034.07 +	21.79 +	180.00 +	.3874 +	.9234 -	.2527 -	.6523 -	.0018 +	.3874 +	.0007 +	.0169 +	1.0012 +	.0674 +	1.65 +	.3103 +	1.8258
2034.08 +	40.02 +	180.00 +	.6659 +	.7317 -	.4529 -	.6801 +	.0052 +	.6659 -	.0016 +	.0394 +	.9885 +	.0468 +	1.65 +	.3103 +	1.6198

+303401 +00001 -00001 -00002 -00002 +00005 +00006 +00001

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700536 200035 200165 200040 203040 200016 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2035.02	+ 45.05	+ .00	+ .7195	+ .6896	- .4935	- .6859	+ .0013	+ .7195	- .0007	+ .0203	+ .9965	+ .0405	+ 1.65	+ .3128	+ 1.6217
2035.03	+ 50.10	+ .00	+ .7634	+ .6799	- .5292	- .6932	+ .0020	+ .7634	- .0008	- .0320	+ 1.0218	+ .0344	+ 1.65	+ .3082	+ 1.4195
2035.04	+ 55.12	+ .00	+ .7934	+ .6884	- .5568	- .7018	+ .0027	+ .7934	- .0010	- .1109	+ 1.0444	+ .0278	+ 1.65	+ .3069	+ 1.1749
2035.05	+ 60.08	+ .00	+ .8068	+ .6674	- .5686	- .7048	+ .0025	+ .8068	- .0011	- .1761	+ 1.0321	+ .0240	+ 1.65	+ .3069	+ .8879
2035.06	+ 63.13	+ .00	+ .8079	+ .6394	- .5700	- .7055	- .0005	+ .8079	+ .0001	- .2051	+ 1.0096	+ .0217	+ 1.65	+ .3065	+ .8455
2035.07	+ 65.15	+ .00	+ .8042	+ .6211	- .5665	- .7044	+ .0016	+ .8042	- .0007	- .2257	+ .9909	+ .0216	+ 1.65	+ .3061	+ .8031
2035.08	+ 68.15	+ .00	+ .7983	+ .5866	- .5615	- .7034	+ .0016	+ .7983	- .0008	- .2474	+ .9593	+ .0205	+ 1.65	+ .3061	+ .8667
2035.09	+ 63.13	+ .00	+ .8057	+ .6392	- .5677	- .7046	- .0007	+ .8057	+ .0001	- .2061	+ 1.0077	+ .0224	+ 1.65	+ .3074	+ .8860
2035.10	+ 40.02	+ .00	+ .6651	+ .7333	- .4506	- .6775	- .0007	+ .6651	- .0001	+ .0379	+ .9893	+ .0487	+ 1.65	+ .3065	+ 1.5909
2035.11	+ 40.02	+ .00	+ .6654	+ .7309	- .4514	- .6784	- .0011	+ .6654	+ .0001	+ .0395	+ .9877	+ .0479	+ 1.65	+ .3061	+ 1.6005

+311802 +00000 -00002 -00003 +00001 -00001 +00002 -00001

page 1 11-14-62 700536 200036 200165 200080 213080 200017 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2036.02	+ 79.69	+ .00	+ .7384	+ .5399	- .5123	- .6938	- .0030	+ .7384	+ .0010	- .3989	+ .8230	+ .0258	+ 1.65	+ .3081	+ 1.6198
2036.03	+ 79.76	+180.00	+ .7546	+ .4487	- .5242	- .6947	+ .0025	+ .7546	- .0013	- .3075	+ .8223	+ .0196	+ 1.65	+ .3081	+ 1.6198
2036.04	+ 74.71	+180.00	+ .7705	+ .5328	- .5383	- .6986	+ .0021	+ .7705	- .0008	- .3109	+ .8837	+ .0214	+ 1.65	+ .3073	+ 1.6159
2036.05	+ 71.68	+180.00	+ .7857	+ .5633	- .5496	- .6995	- .0041	+ .7857	+ .0020	- .2878	+ .9230	+ .0224	+ 1.65	+ .3061	+ 1.4638
2036.06	+ 69.66	+180.00	+ .7901	+ .5781	- .5531	- .7000	- .0030	+ .7901	+ .0015	- .2675	+ .9417	+ .0227	+ 1.65	+ .3061	+ 1.5177
2036.07	+ 64.62	+180.00	+ .7907	+ .6118	- .5515	- .6975	- .0032	+ .7907	+ .0018	- .2139	+ .9766	+ .0267	+ 1.65	+ .3057	+ 1.6987
2036.08	+ 79.77	+180.00	+ .7542	+ .4502	- .5223	- .6925	+ .0032	+ .7542	- .0012	- .3090	+ .8223	+ .0214	+ 1.65	+ .3061	+ 1.6140

+303601 +00002 +00001 -00002 -00001 +00005 +00003 +00000

page 1 11-14-62 700536 200037 200165 200080 203000 200018 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2037.01	+ 79.74	+ .00	+ .7549	+ .4527	- .5228	- .6925	+ .0027	+ .7549	- .0013	- .3111	+ .8234	+ .0215	+ 1.65	+ .3061	+ 1.6121
2037.02	+ 84.82	+ .00	+ .7273	+ .3497	- .4976	- .6842	- .0041	+ .7273	+ .0018	- .2825	+ .7558	+ .0217	+ 1.65	+ .3061	+ 1.6679
2037.03	+ 89.92	+ .00	+ .7067	+ .2309	- .4736	- .6702	- .0046	+ .7067	+ .0019	- .2300	+ .7069	+ .0246	+ 1.65	+ .3061	+ 1.4792
2037.04	+ 95.02	+ .00	+ .6800	+ .1119	- .4424	- .6506	- .0066	+ .6800	+ .0031	- .1711	+ .6676	+ .0305	+ 1.65	+ .3061	+ 1.7334
2037.05	+100.07	+ .00	+ .6459	- .0066	- .4085	- .6325	- .0069	+ .6459	+ .0030	- .1064	+ .6373	+ .0340	+ 1.65	+ .3061	+ 1.8875
2037.06	+105.21	+ .00	+ .6085	- .1393	- .3741	- .6148	- .0069	+ .6085	+ .0030	- .0251	+ .6238	+ .0349	+ 1.65	+ .3061	+ 1.8644
2037.07	+108.24	+ .00	+ .5851	- .2248	- .3539	- .6049	- .0114	+ .5851	+ .0051	- .0304	+ .6260	+ .0340	+ 1.65	+ .3057	+ 1.7546
2037.08	+ 79.75	+ .00	+ .7536	+ .4529	- .5210	- .6912	+ .0032	+ .7536	- .0013	- .3116	+ .8223	+ .0226	+ 1.65	+ .3061	+ 1.6198

+312001 +00002 +00001 -00006 -00001 -00001 +00004 +00000

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page 1 11-14-62 700536 200038 200165 200140 213140 200019 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2038.02	+140.38	+ .00	+ .2998	- 1.0936	- .1249	- .4166	- .0034	+ .2998	+ .0008	+ .4665	+ 1.0335	+ .0161	+ 1.65	+ .3094	+ 1.1903
2038.03	+140.46	+180.00	+ .2198	- 1.1658	- .0757	- .3444	- .0046	+ .2198	+ .0012	+ .5727	+ 1.0389	+ .0062	+ 1.65	+ .3094	+ 1.1826
2038.04	+135.34	+180.00	+ .2839	- 1.0434	- .1161	- .4089	- .0050	+ .2839	+ .0013	+ .5316	+ .9418	+ .0170	+ 1.65	+ .3098	+ 1.1344
2038.05	+130.23	+180.00	+ .3497	- .9108	- .1613	- .4613	- .0068	+ .3497	+ .0021	+ .4694	+ .8552	+ .0247	+ 1.65	+ .3073	+ 1.1363
2038.06	+125.16	+180.00	+ .4094	- .7580	- .2054	- .5017	- .0084	+ .4094	+ .0027	+ .3839	+ .7712	+ .0306	+ 1.65	+ .3065	+ 1.2423
2038.07	+122.11	+180.00	+ .4393	- .6524	- .2303	- .5242	- .0064	+ .4393	+ .0020	+ .3191	+ .7190	+ .0324	+ 1.65	+ .3065	+ 1.4927
2038.08	+140.46	+180.00	+ .2210	- 1.1588	- .0744	- .3367	- .0039	+ .2210	+ .0010	+ .5673	+ 1.0342	+ .0088	+ 1.65	+ .3065	+ 1.1344

+303801 -00001 +00000 +00000 +00002 +00000 +00003 +00000

page 1 11-14-62 700536 200039 200165 200140 203140 200020 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2039.01	+140.45	+ .00	+ .2133	- 1.1601	- .0726	- .3404	- .0023	+ .2133	+ .0015	+ .5744	+ 1.0303	+ .0052	+ 1.65	+ .3065	+ 1.1537
2039.02	+143.51	+ .00	+ .1756	- 1.2206	- .0484	- .2756	- .0036	+ .1756	+ .0019	+ .5846	+ 1.0858	- .0000	+ 1.65	+ .3065	+ 1.2615
2039.03	+145.55	+ .00	+ .1551	- 1.2566	- .0358	- .2308	- .0018	+ .1551	+ .0013	+ .5830	+ 1.1241	- .0036	+ 1.65	+ .3065	+ 1.2769
2039.04	+147.58	+ .00	+ .1321	- 1.2913	- .0233	- .1764	- .0030	+ .1321	+ .0016	+ .5807	+ 1.1608	- .0089	+ 1.65	+ .3065	+ 1.3867
2039.05	+152.59	+ .00	+ .0867	- 1.3613	- .0005	- .0058	- .0084	+ .0867	+ .0033	+ .5497	+ 1.2484	- .0214	+ 1.65	+ .3065	+ 1.4445
2039.06	+155.68	+ .00	+ .0661	- 1.4092	+ .0052	+ .0787	- .0027	+ .0661	+ .0016	+ .5201	+ 1.3114	- .0326	+ 1.65	+ .3065	+ 1.3405
2039.07	+160.69	+ .00	+ .0401	- 1.4708	+ .0101	+ .2519	- .0030	+ .0401	+ .0016	+ .4484	+ 1.4012	- .0491	+ 1.65	+ .3065	+ 1.3232
2039.08	+165.71	+ .00	+ .0228	- 1.5162	+ .0072	+ .3158	- .0030	+ .0228	+ .0015	+ .3522	+ 1.4749	- .0666	+ 1.65	+ .3065	+ 1.1652
2039.09	+168.72	+ .00	+ .0164	- 1.5103	+ .0070	+ .4268	- .0027	+ .0164	+ .0016	+ .2792	+ 1.4843	- .0708	+ 1.65	+ .3065	+ 1.2384
2039.10	+140.45	+ .00	+ .2130	- 1.1608	- .0724	- .3399	- .0025	+ .2130	+ .0016	+ .5748	+ 1.0308	+ .0052	+ 1.65	+ .3065	+ 1.1672

+308701 -00012 -00002 -00010 -00003 +00004 +00009 -00001

page 1 11-16-62 700536 200040 200165 200140 214140 200030 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2040.02	+140.36	+ .00	+ .3166	- 1.0879	- .1281	- .4046	- .0046	+ .3166	+ .0009	+ .4502	+ 1.0397	+ .0247	+ 1.65	+ .3061	+ 1.1132
2040.03	+140.46	+180.00	+ .2340	- 1.1553	- .0784	- .3350	- .0025	+ .2340	+ .0003	+ .5550	+ 1.0399	+ .0139	+ 1.65	+ .3065	+ 1.1171
2040.04	+135.34	+180.00	+ .2961	- 1.0338	- .1174	- .3965	- .0023	+ .2961	+ .0002	+ .5160	+ .9434	+ .0246	+ 1.65	+ .3065	+ 1.1402
2040.05	+130.23	+180.00	+ .3655	- .9015	- .1623	- .4440	- .0037	+ .3655	+ .0009	+ .4523	+ .8613	+ .0351	+ 1.65	+ .3061	+ 1.1999
2040.06	+125.11	+180.00	+ .4311	- .7450	- .2078	- .4820	- .0048	+ .4311	+ .0015	+ .3615	+ .7812	+ .0438	+ 1.65	+ .3065	+ 1.2326
2040.07	+122.07	+180.00	+ .4665	- .6430	- .2356	- .5050	- .0034	+ .4665	+ .0009	+ .2972	+ .7368	+ .0463	+ 1.65	+ .3065	+ 1.4079
2040.08	+140.45	+180.00	+ .2366	- 1.1533	- .0779	- .3292	- .0014	+ .2366	+ .0004	+ .5518	+ 1.0400	+ .0163	+ 1.65	+ .3061	+ 1.1209

+304001 +00001 +00000 -00012 +00003 +00000 +00003 -00001

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page 1 11-16-62 700536 200041 200165 200140 204140 200031 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2041.01	+140.44	+ .00	+ .2304	- 1.1553	- .0778	- .3377	- .0005	+ .2304	+ .0009	+ .5582	+ 1.0374	+ .0120	+ 1.65	+ .3065	+ 1.1209
2041.02	+143.49	+ .00	+ .1927	- 1.2160	- .0543	- .2818	- .0011	+ .1927	+ .0010	+ .5687	+ 1.0921	+ .0061	+ 1.65	+ .3065	+ 1.1575
2041.03	+145.55	+ .00	+ .1704	- 1.2557	- .0410	- .2406	- .0009	+ .1704	+ .0010	+ .5698	+ 1.1318	+ .0018	+ 1.65	+ .3065	+ 1.2230
2041.04	+147.57	+ .00	+ .1478	- 1.2896	- .0284	- .1922	- .0011	+ .1478	+ .0010	+ .5669	+ 1.1676	- .0032	+ 1.65	+ .3061	+ 1.3020
2041.05	+152.60	+ .00	+ .0956	- 1.3510	- .0032	- .0335	- .0030	+ .0956	+ .0023	+ .5369	+ 1.2434	- .0174	+ 1.65	+ .3065	+ 1.4426
2041.06	+155.65	+ .00	+ .0763	- 1.4018	+ .0029	+ .0380	- .0018	+ .0763	+ .0015	+ .5084	+ 1.3086	- .0275	+ 1.65	+ .3061	+ 1.4137
2041.07	+160.68	+ .00	+ .0447	- 1.4582	+ .0076	+ .1700	- .0009	+ .0447	+ .0010	+ .4402	+ 1.3910	- .0477	+ 1.65	+ .3065	+ 1.4041
2041.08	+165.70	+ .00	+ .0254	- 1.5123	+ .0055	+ .2165	- .0009	+ .0254	+ .0009	+ .3490	+ 1.4717	- .0663	+ 1.65	+ .3061	+ 1.2057
+2041.09	+168.73	+ .00	+ .0187	- 1.5077	+ .0049	+ .2620	- .0005	+ .0187	+ .0010	+ .2762	+ 1.4824	- .0712	+ 1.65	+ .3065	+ 1.2673
2041.10	+140.45	+ .00	+ .2302	- 1.1549	- .0765	- .3323	- .0011	+ .2302	+ .0010	+ .5579	+ 1.0369	+ .0132	+ 1.65	+ .3065	+ 1.1383

+312701 -00009 -00003 -00018 -00003 +00002 +00007 +00000

page 1 11-16-62 700536 200042 200165 200000 204000 200125 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2042.02	+ .00	+ .00	- .0055	+ 1.1054	+ .0063	- 1.1455	- .0039	- .0055	- .0001	- .0055	+ 1.1054	+ .0678	+ 1.65	+ .3057	+ 1.9549
2042.03	+ 3.01	+ .00	+ .0438	+ 1.0903	- .0241	- .5502	- .0036	+ .0438	- .0003	- .0135	+ 1.0910	+ .0702	+ 1.65	+ .3065	+ 1.9453
2042.04	+ 5.08	+ .00	+ .0792	+ 1.0739	- .0463	- .5846	- .0041	+ .0792	- .0001	- .0162	+ 1.0766	+ .0713	+ 1.65	+ .3065	+ 1.9453
2042.05	+ 10.15	+ .00	+ .1702	+ 1.0353	- .1024	- .6016	- .0025	+ .1702	- .0002	- .0150	+ 1.0492	+ .0753	+ 1.65	+ .3069	+ 1.8933
2042.06	+ 15.23	+ .00	+ .2696	+ .9827	- .1634	- .6061	- .0032	+ .2696	- .0003	+ .0021	+ 1.0189	+ .0794	+ 1.65	+ .3065	+ 1.8836
2042.07	+ 20.29	+ .00	+ .3684	+ .9318	- .2257	- .6126	+ .0009	+ .3684	- .0004	+ .0224	+ 1.0018	+ .0819	+ 1.65	+ .3065	+ 1.8124
2042.08	+ 25.35	+ .00	+ .4665	+ .8766	- .2901	- .6219	+ .0046	+ .4665	- .0004	+ .0463	+ .9920	+ .0815	+ 1.65	+ .3065	+ 1.7315
2042.09	- .02	+ .00	- .0055	+ 1.1040	+ .0069	- 1.2545	- .0025	- .0055	- .0001	- .0050	+ 1.1040	+ .0683	+ 1.65	+ .3065	+ 1.9337

+304201 +00004 -00001 -00013 +00001 -00001 +00004 +00000

page 1 11-16-62 700536 200043 200165 200040 214000 200026 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2043.02	+ 39.99	+ .00	+ .6329	+ .7793	- .4039	- .6382	+ .0027	+ .6329	- .0014	- .0160	+ 1.0039	+ .0761	+ 1.65	+ .3061	+ 1.7103
2043.03	+ 40.07	+180.00	+ .7094	+ .7176	- .4577	- .6452	+ .0060	+ .7094	- .0023	+ .0810	+ 1.0059	+ .0711	+ 1.65	+ .3048	+ 1.6756
2043.04	+ 34.98	+180.00	+ .6339	+ .7734	- .4045	- .6381	+ .0055	+ .6339	- .0020	+ .0761	+ .9970	+ .0758	+ 1.65	+ .3048	+ 1.6294
2043.05	+ 29.92	+180.00	+ .5475	+ .8206	- .3448	- .6298	+ .0028	+ .5475	- .0011	+ .0651	+ .9844	+ .0790	+ 1.65	+ .3048	+ 1.6833
2043.06	+ 24.65	+180.00	+ .4581	+ .8740	- .2838	- .6195	+ .0041	+ .4581	- .0016	+ .0463	+ .9056	+ .0819	+ 1.65	+ .3069	+ 1.8336
2043.07	+ 21.79	+180.00	+ .3998	+ .9160	- .2461	- .6156	+ .0027	+ .3998	- .0011	+ .0313	+ .9989	+ .0821	+ 1.65	+ .3078	+ 1.8374
2043.08	+ 40.07	+180.00	+ .7112	+ .7205	- .4588	- .6451	+ .0066	+ .7112	- .0023	+ .0804	+ 1.0091	+ .0714	+ 1.65	+ .3069	+ 1.6178

+304301 +00003 +00000 -00013 +00002 -00001 +00004 -00002

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page 1 11-16-62 700536 200044 200165 200040 204040 200027 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2044.01	+ 40.05	+ .00	+ .7119	+ .7197	- .4593	- .6452	+ .0032	+ .7119	- .0012	+ .0819	+ 1.0089	+ .0713	+ 1.65	+ .3065	+ 1.6275
2044.02	+ 45.13	+ .00	+ .7739	+ .6800	- .5051	- .6527	+ .0030	+ .7739	- .0013	+ .0641	+ 1.0283	+ .0657	+ 1.65	+ .3065	+ 1.6275
2044.03	+ 50.17	+ .00	+ .8221	+ .6738	- .5420	- .6593	+ .0066	+ .8221	- .0023	+ .0091	+ 1.0630	+ .0614	+ 1.65	+ .3065	+ 1.4098
2044.04	+ 55.16	+ .00	+ .8575	+ .6834	- .5707	- .6655	+ .0053	+ .8575	- .0020	- .0710	+ 1.0941	+ .0575	+ 1.65	+ .3061	+ 1.2403
2044.05	+ 60.15	+ .00	+ .8698	+ .6720	- .5813	- .6683	+ .0057	+ .8698	- .0019	- .1498	+ 1.0888	+ .0547	+ 1.65	+ .3061	+ .9861
2044.06	+ 63.17	+ .00	+ .8739	+ .6471	- .5839	- .6682	+ .0027	+ .8739	- .0012	- .1830	+ 1.0719	+ .0534	+ 1.65	+ .3061	+ .8686
2044.07	+ 65.18	+ .00	+ .8712	+ .6310	- .5815	- .6675	- .0016	+ .8712	+ .0002	- .2070	+ 1.0556	+ .0530	+ 1.65	+ .3057	+ .8532
2044.08	+ 68.21	+ .00	+ .8632	+ .6051	- .5768	- .6682	+ .0043	+ .8632	- .0018	- .2414	+ 1.0260	+ .0507	+ 1.65	+ .3061	+ .8821
2044.09	+ 40.06	+ .00	+ .7138	+ .7204	- .4605	- .6451	+ .0032	+ .7138	- .0012	+ .0827	+ 1.0107	+ .0714	+ 1.65	+ .3061	+ 1.6159

+312301 -00003 -00003 -00014 -00001 +00001 +00003 -00001

page 1 11-14-62 700536 200045 200165 200080 214080 200028 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2045.02	+ 79.69	+ .00	+ .8010	+ .5767	- .5262	- .6569	- .0059	+ .8010	+ .0023	- .4242	+ .8913	+ .0571	+ 1.65	+ .3119	+ 1.5716
2045.03	+ 79.75	+180.00	+ .8168	+ .4861	- .5385	- .6593	- .0002	+ .8168	- .0004	- .3330	+ .8903	+ .0503	+ 1.65	+ .3065	+ 1.5697
2045.04	+ 74.67	+180.00	+ .8296	+ .5714	- .5517	- .6650	- .0005	+ .8296	- .0001	- .3317	+ .9512	+ .0509	+ 1.65	+ .3065	+ 1.5369
2045.05	+ 71.65	+180.00	+ .8353	+ .6071	- .5578	- .6678	- .0005	+ .8353	+ .0001	- .3132	+ .9840	+ .0507	+ 1.65	+ .3069	+ 1.5466
2045.06	+ 69.65	+180.00	+ .8490	+ .6109	- .5660	- .6667	- .0027	+ .8490	+ .0011	- .2776	+ 1.0084	+ .0521	+ 1.65	+ .3065	+ 1.4984
2045.07	+ 64.62	+180.00	+ .8447	+ .6289	- .5617	- .6650	- .0043	+ .8447	+ .0019	- .2062	+ 1.0326	+ .0545	+ 1.65	+ .3065	+ 1.6159
2045.08	+ 79.76	+180.00	+ .8145	+ .4881	- .5369	- .6592	+ .0011	+ .8145	- .0005	- .3355	+ .8885	+ .0504	+ 1.65	+ .3065	+ 1.5273

+304501 +00005 +00001 -00011 +00002 +00000 +00004 +00000

page 1 11-14-62 700536 200046 200165 200080 204000 200029 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2046.01	+ 79.74	+ .00	+ .8143	+ .4849	- .5363	- .6586	- .0055	+ .8143	+ .0024	- .3321	+ .8878	+ .0507	+ 1.65	+ .3065	+ 1.6140
2046.02	+ 84.82	+ .00	+ .7920	+ .3844	- .5139	- .6489	- .0062	+ .7920	+ .0022	- .3114	+ .8234	+ .0518	+ 1.65	+ .3065	+ 1.5967
2046.03	+ 89.95	+ .00	+ .7710	+ .2619	- .4863	- .6307	- .0071	+ .7710	+ .0026	- .2612	+ .7712	+ .0578	+ 1.65	+ .3065	+ 1.4522
2046.04	+ 95.03	+ .00	+ .7411	+ .1398	- .4541	- .6127	- .0043	+ .7411	+ .0015	- .2044	+ .7260	+ .0623	+ 1.65	+ .3065	+ 1.3983
2046.05	+100.09	+ .00	+ .7083	+ .0103	- .4243	- .5990	- .0007	+ .7083	- .0003	- .1341	+ .6955	+ .0619	+ 1.65	+ .3065	+ 1.4753
2046.06	+105.20	+ .00	+ .6654	- .1286	- .3895	- .5854	- .0016	+ .6654	+ .0002	- .0503	+ .6759	+ .0591	+ 1.65	+ .3061	+ 1.4695
2046.07	+108.27	+ .00	+ .6300	- .2149	- .3638	- .5775	- .0007	+ .6300	- .0004	+ .0066	+ .6656	+ .0555	+ 1.65	+ .3065	+ 1.6429
2046.08	+ 79.74	+ .00	+ .8166	+ .4874	- .5372	- .6577	- .0059	+ .8168	+ .0023	- .3342	+ .8906	+ .0516	+ 1.65	+ .3061	+ 1.5369

+304600 +00005 +00001 -00011 +00002 +00000 +00004 +00000

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page 1 11-16-62 700536 200047 200165 200140 215140 200037 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2047.02	+140.38	+ .00	+ .2899	- 1.1108	- .1[illegible]	- .4243	- .0034	+ .2899	+ .0009	+ .4851	+ 1.0404	+ .0103	+ 1.65	+ .3061	+ 1.0901
2047.03	+140.47	+180.00	+ .2113	- 1.1800	- .0747	- .3535	- .0014	+ .2113	+ .0002	+ .5880	+ 1.0446	+ .0006	+ 1.65	+ .3057	+ 1.0882
2047.04	+135.36	+180.00	+ .2696	- 1.0575	- .1120	- .4154	- .0023	+ .2696	+ .0005	+ .5511	+ .9418	+ .0105	+ 1.65	+ .3065	+ 1.0920
2047.05	+130.26	+180.00	+ .3323	- .9215	- .1540	- .4634	- .0027	+ .3323	+ .0007	+ .4884	+ .8492	+ .0195	+ 1.65	+ .3065	+ 1.2134
2047.06	+125.15	+180.00	+ .3952	- .7683	- .1995	- .5048	- .0027	+ .3952	+ .0009	+ .4007	+ .7656	+ .0262	+ 1.65	+ .3069	+ 1.3289
2047.07	+122.11	+180.00	+ .4295	- .6692	- .2270	- .5285	- .0030	+ .4295	+ .0013	+ .3385	+ .7197	+ .0280	+ 1.65	+ .3065	+ 1.5331
2047.08	+140.47	+180.00	+ .2112	- 1.1759	- .0727	- .3442	- .0014	+ .2112	+ .0003	+ .5855	+ 1.0413	+ .0028	+ 1.65	+ .3065	+ 1.0959

+304701 -00005 -00001 -00017 +00001 +00001 +00004 -00001

page 1 11-16-62 700536 200048 200165 200140 205140 200038 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2048.01	+140.45	+ .00	+ .2087	- 1.1763	- .0744	- .3565	- .0016	+ .2087	+ .0013	+ .5880	+ 1.0399	- .0006	+ 1.65	+ .3065	+ 1.0920
2048.02	+143.49	+ .00	+ .1722	- 1.2338	- .0511	- .2967	- .0027	+ .1722	+ .0016	+ .5956	+ 1.0942	- .0058	+ 1.65	+ .3065	+ 1.0920
2048.03	+145.57	+ .00	+ .1498	- 1.2729	- .0376	- .2510	- .0007	+ .1498	+ .0011	+ .5962	+ 1.1348	- .0100	+ 1.65	+ .3061	+ 1.0940
2048.04	+147.59	+ .00	+ .1275	- 1.2988	- .0238	- .1867	- .0014	+ .1275	+ .0013	+ .5885	+ 1.1649	- .0130	+ 1.65	+ .3065	+ 1.3424
2048.05	+152.60	+ .00	+ .0880	- 1.3759	- .0051	- .0580	- .0039	+ .0880	+ .0021	+ .5550	+ 1.2621	- .0259	+ 1.65	+ .3065	+ 1.3501
2048.06	+155.65	+ .00	+ .0696	- 1.4145	+ .0030	- .0431	- .0041	+ .0696	+ .0022	+ .5198	+ 1.3173	- .0327	+ 1.65	+ .3065	+ 1.3482
2048.07	+160.69	+ .00	+ .0449	- 1.4649	+ .0076	+ .1693	- .0018	+ .0449	+ .0014	+ .4421	+ 1.3973	- .0481	+ 1.65	+ .3065	+ 1.3655
2048.08	+165.69	+ .00	+ .0269	- 1.5157	+ .0040	+ .1487	- .0021	+ .0269	+ .0010	+ .3485	+ 1.4754	- .0670	+ 1.65	+ .3065	+ 1.1980
2048.09	+168.72	+ .00	+ .0203	- 1.5135	+ .0039	+ .1921	+ .0000	+ .0203	+ .0006	+ .2762	+ 1.4881	- .0715	+ 1.65	+ .3061	+ 1.2808
2048.10	+140.45	+ .00	+ .2078	- 1.1772	- .0738	- .3551	- .0014	+ .2078	+ .0013	+ .5894	+ 1.0401	- .0007	+ 1.65	+ .3065	+ 1.1017

+312901 -00009 -00003 -00018 -00004 +00004 +00007 +[illegible]

page 1 11-16-62 700536 200049 200165 200000 205000 200032 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2049.02	+ .02	+ .00	+ .0248	+ 1.0820	+ .0032	+ .1290	- .0064	+ .0248	- .0001	+ .0244	+ 1.0820	+ .0840	+ 1.65	+ .3069	+ 1.7430
2049.03	+ 3.05	+ .00	+ .0785	+ 1.0791	- .0327	- .4166	- .0053	+ .0785	- .0002	+ .0208	+ 1.0819	+ .0848	+ 1.65	+ .3057	+ 1.8817
2049.04	+ 5.10	+ .00	+ .1132	+ 1.0670	- .0555	- .4903	- .0043	+ .1132	- .0002	+ .0178	+ 1.0729	+ .0851	+ 1.65	+ .3057	+ 1.9202
2049.05	+ 10.18	+ .00	+ .1968	+ 1.0262	- .1092	- .5549	- .0030	+ .1968	- .0002	+ .0123	+ 1.0449	+ .0863	+ 1.65	+ .3069	+ 1.9953
2049.06	+ 15.20	+ .00	+ .2815	+ .9768	- .1646	- .5847	- .0018	+ .2815	- .0003	+ .0155	+ 1.0164	+ .0861	+ 1.65	+ .3069	+ 1.9318
2049.07	+ 20.28	+ .00	+ .3702	+ .9305	- .2251	- .6080	+ .0002	+ .3702	- .0003	+ .0246	+ 1.0011	+ .0836	+ 1.65	+ .3069	+ 1.8278
2049.08	+ 25.35	+ .00	+ .4594	+ .8800	- .2884	- .6278	- .0018	+ .4594	- .0003	+ .0383	+ .9920	+ .0785	+ 1.65	+ .3065	+ 1.7199
2049.09	+ .03	+ .00	+ .0253	+ 1.0899	+ .0029	+ .1146	- .0055	+ .0253	- .0001	+ .0249	+ 1.0899	+ .0845	+ 1.65	+ .3065	+ 1.6853
2049.10	+ .03	+ .00	+ .0272	+ 1.0963	+ .0012	+ .0841	- .0064	+ .0272	- .0002	+ .0268	+ 1.0963	+ .0845	+ 1.65	+ .3057	+ 1.6775

+304901 +00002 -00002 -00016 +00001 +00001 +00004 -00001

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page 1 11-16-62 700336 200051 200165 200040 205040 200034 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2051.01	+ 40.00	+ .00	+ .6722	+ .7533	- .4458	- .6632	+ .0005	+ .6722	+ .0003	+ .0308	+ 1.0091	+ .0595	+ 1.65	+ .3061	+ 1.4638
2051.02	+ 45.06	+ .00	+ .7172	+ .7108	- .4823	- .6725	- .0002	+ .7172	+ .0005	+ .0034	+ 1.0098	+ .0514	+ 1.65	+ .3061	+ 1.4946
2051.03	+ 50.07	+ .00	+ .7476	+ .6891	- .5084	- .6800	- .0005	+ .7476	+ .0006	- .0487	+ 1.0155	+ .0448	+ 1.65	+ .3061	+ 1.3944
2051.04	+ 55.08	+ .00	+ .7672	+ .6976	- .5287	- .6891	+ .0002	+ .7672	+ .0003	- .1327	+ 1.0283	+ .0385	+ 1.65	+ .3061	+ 1.1344
2051.05	+ 60.08	+ .00	+ .7679	+ .6720	- .5328	- .6938	- .0011	+ .7679	+ .0008	- .1994	+ 1.0007	+ .0333	+ 1.65	+ .3061	+ 1.1094
2051.06	+ 63.12	+ .00	+ .7697	+ .6407	- .5356	- .6959	- .0007	+ .7697	+ .0004	- .2234	+ .9762	+ .0300	+ 1.65	+ .3061	+ 1.1537
2051.07	+ 65.14	+ .00	+ .7634	+ .6199	- .5325	- .6975	- .0009	+ .7634	+ .0007	- .2417	+ .9532	+ .0274	+ 1.65	+ .3061	+ 1.1498
2051.08	+ 68.12	+ .00	+ .7496	+ .5850	- .5253	- .7008	+ .0002	+ .7496	+ .0002	- .2634	+ .9136	+ .0232	+ 1.65	+ .3061	+ 1.0612
2051.09	+ 40.02	+ .00	+ .6736	+ .7551	- .4468	- .6633	+ .0005	+ .6736	+ .0003	+ .0302	+ 1.0114	+ .0596	+ 1.65	+ .3061	+ 1.4484

+313201 -00005 -00007 -00021 -00006 +00004 +00007 +00000

page 1 11-16-62 700336 200061 200165 200080 215080 200035 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2061.02	+ 79.69	+ .00	+ .6936	+ .5335	- .4784	- .6897	- .0071	+ .6936	+ .0031	- .4007	+ .7775	+ .0287	+ 1.65	+ .3061	+ .0289
2061.03	+ 79.76	+180.00	+ .7089	+ .4391	- .4898	- .6909	- .0030	+ .7089	+ .0009	- .3061	+ .7758	+ .0222	+ 1.65	+ .3057	+ .0289
2061.04	+ 74.71	+180.00	+ .7303	+ .5285	- .5069	- .6941	- .0014	+ .7303	- .0000	- .3171	+ .8437	+ .0250	+ 1.65	+ .3061	+ .0289
2061.05	+ 71.66	+180.00	+ .7416	+ .5680	- .5150	- .6944	+ .0005	+ .7416	- .0007	- .3059	+ .8825	+ .0269	+ 1.65	+ .3057	+ .0289
2061.06	+ 69.64	+180.00	+ .7468	+ .5773	- .5197	- .6959	+ .0005	+ .7468	- .0009	- .2815	+ .9010	+ .0264	+ 1.65	+ .3057	+ .0289
2061.07	+ 64.64	+180.00	+ .7493	+ .6198	- .5189	- .6925	+ .0002	+ .7493	- .0006	- .2390	+ .9425	+ .0314	+ 1.65	+ .3057	+ .0289
2061.08	+ 79.76	+180.00	+ .7142	+ .4418	- .4932	- .6906	- .0027	+ .7142	+ .0010	- .3079	+ .7812	+ .0225	+ 1.65	+ .3057	+ .0289
2061.09	+ 79.69	+ .00	+ .6994	+ .5356	- .4827	- .6902	- .0082	+ .6994	+ .0034	- .4017	+ .7840	+ .0284	+ 1.65	+ .3057	+ .0289

+306101 -00001 -00001 -00001 +00001 +00000 +00001 +00000

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page 1 11-16-62 700536 200062 200165 200080 215080 200035 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2062.02	+ 79.69	+ .00	+ .7046	+ .5360	- .4845	- .6876	- .0076	+ .7046	+ .0034	- .4012	+ .7892	+ .0302	+ 1.65	+ .3057	+ 1.4599
2062.03	+ 79.76	+180.00	+ .7200	+ .4445	- [illegible]	- .6894	- .0027	+ .7200	+ .0010	- .3095	+ .7876	+ .0234	+ 1.65	+ .3053	+ 1.4599
2062.04	+ 74.72	+180.00	+ .7404	+ .5319	- .5125	- .6922	- .0018	+ .7404	+ .0004	- .3180	+ .8545	+ .0266	+ 1.65	+ .3057	+ 1.3713
2062.05	+ 71.64	+180.00	+ .7498	+ .5737	- .5199	- .6934	- .0002	+ .7498	- .0001	- .3054	+ .8923	+ .0280	+ 1.65	+ .3057	+ 1.3944
2062.06	+ 69.65	+180.00	+ .7539	+ .5839	- .5226	- .6932	+ .0007	+ .7539	- .0005	- .2851	+ .9099	+ .0268	+ 1.65	+ .3057	+ 1.3964
2062.07	+ 64.63	+180.00	+ .7557	+ .6255	- .5220	- .6908	+ .0007	+ .7557	- .0005	- .2413	+ .9507	+ .0331	+ 1.65	+ .3057	+ 1.4599
2062.08	+ 79.76	+180.00	+ .7176	+ .4455	- .4949	- .6897	- .0062	+ .7176	+ .0027	- .3109	+ .7854	+ .0234	+ 1.65	+ .3057	+ 1.5928
2062.09	+ 79.76	+180.00	+ .7171	+ .4448	- .4946	- .6897	- .0032	+ .7171	+ .0011	- .3102	+ .7849	+ .0233	+ 1.65	+ .3057	+ 1.5158

+306201 +00000 +00000 +00000 +00001 +00001 +00004 +00000

page 1 11-16-62 700536 200063 200165 200080 205080 200036 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2063.01	+ 79.76	+ .00	+ .7203	+ .4407	- .4987	- .6924	- .0014	+ .7203	+ .0022	- .3057	+ .7872	+ .0212	+ 1.65	+ .3057	+ 1.4387
2063.02	+ 84.81	+ .00	+ .6934	+ .3392	- .4741	- .6837	+ .0039	+ .6934	- .0003	- .2751	+ .7213	+ .0214	+ 1.65	+ .3057	+ 1.6371
2063.03	+ 89.94	+ .00	+ .6870	+ .2119	- .4609	- .6709	+ .0057	+ .6870	- .0011	- .2112	+ .6873	+ .0227	+ 1.65	+ .3057	+ 1.5292
2063.04	+ 95.02	+ .00	+ .6599	+ .0921	- .4314	- .6537	+ .0055	+ .6599	- .0012	- .1494	+ .6494	+ .0265	+ 1.65	+ .3053	+ 1.7507
2063.05	+100.07	+ .00	+ .6307	- .0292	- .4013	- .6363	+ .0091	+ .6307	- .0027	- .0814	+ .6261	+ .0294	+ 1.65	+ .3057	+ 1.8509
2063.06	+105.23	+ .00	+ .6033	- .1657	- .3738	- .6196	+ .0107	+ .6033	- .0052	+ .0052	+ .6268	+ .0298	+ 1.65	+ .3057	+ 1.6467
2063.07	+108.27	- .00	+ .5751	- .2552	- .3537	- .6108	+ .0078	+ .5751	- .0022	+ .0609	+ .6300	+ .0283	+ 1.65	+ .3057	+ 1.6159
2063.08	+ 79.76	+ .00	+ .7190	+ .4411	- .4974	- .6918	- .0002	+ .7190	+ .0020	- .3063	+ .7860	+ .0216	+ 1.65	+ .3057	+ 1.4946

+313401 -00004 -00004 -00020 -00007 +00006 +00007 -00002

page 1 11-14-62 700536 200064 200165 200140 211140 200006 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2064.02	+140.39	+ .00	+ .2824	- 1.1056	- .1163	- .4189	- .0059	+ .2824	+ .0016	+ .4872	+ 1.0317	+ .0101	+ 1.65	+ .4195	+ 1.1152
2064.03	+140.47	+180.00	+ .2026	- 1.1750	- .0698	- .3445	- .0039	+ .2026	+ .0007	+ .5916	+ 1.0352	- .0002	+ 1.65	+ .3053	+ 1.0863
2064.04	+135.42	+180.00	+ .2634	- 1.0580	- .1100	- .4176	- .0050	+ .2634	+ .0013	+ .5550	+ .9385	+ .0082	+ 1.65	+ .3053	+ 1.1383
2064.05	+130.29	+180.00	+ .3241	- .9221	- .1553	- .4792	- .0046	+ .3241	+ .0013	+ .4938	+ .8435	+ .0125	+ 1.65	+ .3053	+ 1.2596
2064.06	+125.17	+180.00	+ .3876	- .7684	- .2043	- .5271	- .0064	+ .3876	+ .0017	+ .4047	+ .7555	+ .0161	+ 1.65	+ .3053	+ 1.4406
2064.07	+122.69	+180.00	+ .4214	- .6679	- .2343	- .5560	- .0066	+ .4214	+ .0019	+ .3419	+ .7117	+ .0193	+ 1.65	+ .3053	+ 1.5851
2064.08	+140.47	+180.00	+ .2033	- 1.1752	- .0697	- .3345	- .0035	+ .2033	+ .0010	+ .5833	+ 1.0370	+ .0028	+ 1.65	+ .3053	+ 1.0535

+306401 -00006 +00000 -00001 +00001 +00000 +00002 +00000

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page 1 11-16-62 700536 200065 200165 200140 201140 200025 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2065.01	+140.46	+ .00	+ .2079	- 1.1736	- .0721	- .3468	- .0062	+ .2079	+ .0016	+ .5868	+ 1.0374	+ .0012	+ 1.65	+ .3053	+ 1.0362
2065.02	+143.48	+ .00	+ .1725	- 1.2325	- .0484	- .2806	- .0073	+ .1725	+ .0020	+ .5948	+ 1.0932	- .0029	+ 1.65	+ .3053	+ 1.0323
2065.03	+145.52	+ .00	+ .1526	- 1.2745	- .0361	- .2366	- .0069	+ .1526	+ .0018	+ .5957	+ 1.1370	- .0067	+ 1.65	+ .3053	+ 1.0034
2065.04	+147.58	+ .00	+ .1302	- 1.3074	- .0222	- .1705	- .0075	+ .1302	+ .0020	+ .5911	+ 1.1734	- .0101	+ 1.65	+ .3053	+ 1.1883
2065.05	+152.63	+ .00	+ .0825	- 1.3787	+ .0051	+ .0618	- .0103	+ .0825	+ .0029	+ .5605	+ 1.2622	- .0197	+ 1.65	+ .3053	+ 1.3540
2065.06	+155.66	+ .00	+ .0630	- 1.4175	+ .0156	+ .2476	- .0080	+ .0630	+ .0023	+ .5267	+ 1.3175	- .0248	+ 1.65	+ .3053	+ 1.3078
2065.07	+160.67	+ .00	+ .0279	- 1.4602	+ .0291	+ 1.0430	- .0064	+ .0279	+ .0017	+ .4571	+ 1.3871	- .0380	+ 1.65	+ .3053	+ 1.3020
2065.08	+165.73	+ .00	+ .0007	- 1.4940	+ .0286	+40.8571	- .0075	+ .0007	+ .0019	+ .3675	+ 1.4481	- .0591	+ 1.65	+ .3053	+ 1.2115
2065.09	+168.71	+ .00	- .0174	- 1.5041	+ .0317	- 1.8218	- .0071	- .0174	+ .0016	+ .3116	+ 1.4717	- .0690	+ 1.65	+ .3053	+ 1.1980
2065.10	+140.46	+ .00	+ .2056	- 1.1740	- .0712	- .3463	- .0064	+ .2056	+ .0016	+ .5888	+ 1.0363	+ .0005	+ 1.65	+ .3053	+ 1.0227

+302500 -00002 +00002 -00001 +00001 +00002 +00003 +00001

page 1 11-16-62 700536 200066 200165 200140 206140 200039 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2066.02	+140.45	+ .00	+ .2238	- 1.1510	- .0752	- .3360	- .0048	+ .2238	+ .0012	+ .5604	+ 1.0299	+ .0104	+ 1.65	+ .3065	+ 1.2904
2066.03	+143.48	+ .00	+ .1854	- 1.2153	- .0522	- .2816	- .0039	+ .1854	+ .0008	+ .5741	+ 1.0871	+ .0032	+ 1.65	+ .3065	+ 1.3039
2066.04	+145.50	+ .00	+ .1620	- 1.2481	- .0371	- .2290	- .0050	+ .1620	+ .0012	+ .5733	+ 1.1203	+ .0003	+ 1.65	+ .3069	+ 1.3925
2066.05	+147.54	+ .00	+ .1403	- 1.2844	- .0247	- .1761	- .0050	+ .1403	+ .0012	+ .5709	+ 1.1590	- .0043	+ 1.65	+ .3065	+ 1.4676
2066.06	+152.61	+ .00	+ .0935	- 1.3561	- .0024	- .0257	- .0096	+ .0935	+ .0028	+ .5408	+ 1.2470	- .0182	+ 1.65	+ .3065	+ 1.5408
2066.07	+155.61	+ .00	+ .0737	- 1.4012	+ .0034	+ .0461	- .0071	+ .0737	+ .0020	+ .5116	+ 1.3066	- .0287	+ 1.65	+ .3065	+ 1.5023
2066.08	+160.64	+ .00	+ .0477	- 1.4617	+ .0079	+ .1656	- .0057	+ .0477	+ .0014	+ .4396	+ 1.3948	- .0456	+ 1.65	+ .3065	+ 1.4252
2066.09	+165.69	+ .00	+ .0306	- 1.5132	+ .0048	+ .1569	- .0046	+ .0306	+ .0009	+ .3444	+ 1.4739	- .0635	+ 1.65	+ .3061	+ 1.2172
2066.10	+168.69	+ .00	+ .0215	- 1.5141	+ .0043	+ .2000	- .0043	+ .0215	+ .0007	+ .2759	+ 1.4890	- .0703	+ 1.65	+ .3061	+ 1.2750
2066.11	+140.44	+ .00	+ .2218	- 1.1590	- .0742	- .3345	- .0050	+ .2218	+ .0012	+ .5671	+ 1.0347	+ .0095	+ 1.65	+ .3061	+ 1.2230

+306601 -00005 +00000 -00005 +00001 +00000 +00004 +00000

700536 200067 200165 200140 216140 200040 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2067.01	+140.46	+180.00	+ .2190	- 1.1603	- .0730	- .3333	- .0025	+ .2190	+ .0007	+ .5698	+ 1.0342	+ .0087	+ 1.65	+ .3065	+ 1.2018
2067.02	+135.37	+180.00	+ .2865	- 1.0440	- .1155	- .4031	- .0005	+ .2865	- .0001	+ .5297	+ .9443	+ .0193	+ 1.65	+ .3065	+ 1.1614
2067.03	+130.26	+180.00	+ .3559	- .9107	- .1609	- .4521	- .0021	+ .3559	+ .0006	+ .4650	+ .8602	+ .0293	+ 1.65	+ .3061	+ 1.0920
2067.04	+125.18	+180.00	+ .4196	- .7588	- .2072	- .4938	- .0046	+ .4196	+ .0014	+ .3785	+ .7800	+ .0357	+ 1.65	+ .3061	+ 1.1826
2067.05	+122.08	+180.00	+ .4539	- .6528	- .2348	- .5173	- .0069	+ .4539	+ .0024	+ .3120	+ .7311	+ .0379	+ 1.65	+ .3061	+ 1.3925
2067.06	+140.46	+180.00	+ .2211	- 1.1580	- .0727	- .3288	- .0023	+ .2211	+ .0007	+ .5667	+ 1.0338	+ .0106	+ 1.65	+ .3061	+ 1.1787
2067.07	+140.37	+ .00	+ .2993	- 1.0915	- .1229	- .4106	- .0050	+ .2993	+ .0013	+ .4658	+ 1.0315	+ .0179	+ 1.65	+ .3065	+ 1.1864

+306601 -00005 +00000 -00005 +00001 +00000 +00004 +00000

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page 1 11-16-62 700536 200068 200165 200000 206000 200041 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2068.02 +	.02 +	.00 +	.0268 +	1.0928 +	.0086 +	.0970 -	.0085 +	.0268 -	.0002 +	.0263 +	1.0928 +	.0854 +	1.65 +	.3073 +	1.6101
2068.03 +	3.06 +	.00 +	.0856 +	1.0865 -	.0359 -	.4171 -	.0077 +	.0856 -	.0001 +	.0276 +	1.0895 +	.0871 +	1.65 +	.3077 +	1.7238
2068.04 +	5.11 +	.00 +	.1225 +	1.0758 -	.0589 -	.4808 -	.0068 +	.1225 -	.0001 +	.0262 +	1.0824 +	.0886 +	1.65 +	.3077 +	1.7950
2068.05 +	10.17 +	.00 +	.2102 +	1.0514 -	.1140 -	.5423 -	.0053 +	.2102 -	.0002 +	.0248 +	1.0524 +	.0910 +	1.65 +	.3077 +	1.8605
2068.06 +	15.22 +	.00 +	.3000 +	.9827 -	.1692 -	.5840 -	.0068 +	.3000 -	.0001 +	.0315 +	1.0269 +	.0945 +	1.65 +	.3073 +	1.7218
2068.07 +	20.28 +	.00 +	.3993 +	.9326 -	.2328 -	.5830 -	.0050 +	.3993 -	.0001 +	.0512 +	1.0132 +	.0960 +	1.65 +	.3069 +	1.7258
2068.08 +	25.38 +	.00 +	.4998 +	.8835 -	.3005 -	.6012 -	.0021 +	.4998 -	.0002 +	.0729 +	1.0123 +	.0943 +	1.65 +	.3069 +	1.6236
2068.09 +	.02 +	.00 +	.0283 +	1.0907 +	.0010 +	.0353 -	.0087 +	.0283 -	.0001 +	.0279 +	1.0907 +	.0847 +	1.65 +	.3069 +	1.6178

+306801 -00002 -00002 -00002 +00001 +00001 +00003 -00001

page 1 11-16-62 700536 200069 200165 200040 216040 200042 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2069.02 +	39.98 +	.00 +	.6581 +	.8157 -	.4162 -	.6324 -	.0052 +	.6581 +	.0013 -	.0198 +	1.0478 +	.0831 +	1.65 +	.3086 +	1.5369
2069.03 +	40.07 +	180.00 +	.7323 +	.7910 -	.4681 -	.6392 +	.0021 +	.7323 -	.0008 +	.0769 +	1.0462 +	.0783 +	1.65 +	.3052 +	1.5235
2069.04 +	34.98 +	180.00 +	.6620 +	.7942 -	.4151 -	.6270 +	.0032 +	.6620 -	.0013 +	.0871 +	1.0302 +	.0857 +	1.65 +	.3090 +	1.5427
2069.05 +	29.94 +	180.00 +	.5814 +	.8426 -	.3559 -	.6121 -	.0018 +	.5814 +	.0007 +	.0834 +	1.0204 +	.0924 +	1.65 +	.3103 +	1.5793
2069.06 +	24.87 +	180.00 +	.4895 +	.8647 -	.2923 -	.5971 -	.0036 +	.4895 +	.0009 +	.0803 +	.9904 +	.0944 +	1.65 +	.3124 +	1.8779
2069.07 +	21.83 +	180.00 +	.4311 +	.9068 -	.2526 -	.5859 -	.0029 +	.4311 +	.0010 +	.0631 +	1.0021 +	.0964 +	1.65 +	.3111 +	1.8856
2069.08 +	40.07 +	180.00 +	.7318 +	.7534 -	.4666 -	.6376 +	.0025 +	.7318 -	.0008 +	.0751 +	1.0475 +	.0796 +	1.65 +	.3082 +	1.5389
2069.09 +	40.07 +	180.00 +	.7320 +	.7532 -	.4668 -	.6377 +	.0025 +	.7320 -	.0008 +	.0753 +	1.0475 +	.0795 +	1.65 +	.3082 +	1.5369

+306901 -00001 +00000 +00001 +00000 +00001 +00004 -00001

page 1 11-16-62 700536 200070 200165 200040 206000 200043 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2070.01 +	40.05 +	.00 +	.7298 +	.7547 -	.4654 -	.6377 -	.0052 +	.7298 +	.0013 +	.0731 +	1.0474 +	.0795 +	1.65 +	.3077 +	1.5312
2070.02 +	45.12 +	.00 +	.7833 +	.7174 -	.5068 -	.6470 -	.0032 +	.7833 +	.0008 +	.0445 +	1.0611 +	.0726 +	1.65 +	.3073 +	1.5331
2070.03 +	50.13 +	.00 +	.8209 +	.7046 -	.5374 -	.6546 -	.0023 +	.8209 +	.0004 -	.0146 +	1.0817 +	.0670 +	1.65 +	.3073 +	1.4541
2070.04 +	55.14 +	.00 +	.8451 +	.7142 -	.5601 -	.6628 -	.0027 +	.8451 +	.0005 -	.1029 +	1.1017 +	.0615 +	1.65 +	.3073 +	1.2673
2070.05 +	60.12 +	.00 +	.8515 +	.7035 -	.5685 -	.6676 -	.0048 +	.8515 +	.0012 -	.1857 +	1.0887 +	.0569 +	1.65 +	.3073 +	.8898
2070.06 +	63.15 +	.00 +	.8497 +	.6781 -	.5685 -	.6691 -	.0073 +	.8497 +	.0019 -	.2213 +	1.0643 +	.0541 +	1.65 +	.3073 +	.9283
2070.07 +	65.18 +	.00 +	.8492 +	.6590 -	.5687 -	.6697 -	.0075 +	.8492 +	.0020 -	.2417 +	1.0475 +	.0525 +	1.65 +	.3069 +	.9303
2070.08 +	68.18 +	.00 +	.8417 +	.6242 -	.5631 -	.6690 -	.0075 +	.8417 +	.0016 -	.2668 +	1.0135 +	.0508 +	1.65 +	.3069 +	1.1999
2070.09 +	40.05 +	.00 +	.7291 +	.7570 -	.4639 -	.6363 -	.0059 +	.7291 +	.0016 +	.0710 +	1.0486 +	.0807 +	1.65 +	.3061 +	1.5292

+306901 -00001 +00000 +00001 +00000 +00001 +00004 -00001

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700536 200071 200165 200080 216080 200044 200000

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2071.02	+ 79.66	+ .00	+ .7741	+ .5779	- .5144	- .6645	- .0069	+ .7741	+ .0023	- .4294	+ .8653	+ .0504	+ 1.65	+ .3077	+ 1.4849
2071.03	+ 79.77	+180.00	+ .7885	+ .4845	- .5251	- .6659	- .0034	+ .7885	+ .0007	- .3367	+ .8620	+ .0441	+ 1.65	+ .3085	+ 1.4772
2071.04	+ 74.68	+180.00	+ .8102	+ .5779	- .5398	- .6663	- .0050	+ .8102	+ .0019	- .3433	+ .9340	+ .0498	+ 1.65	+ .3085	+ 1.5408
2071.05	+ 71.66	+180.00	+ .8232	+ .6056	- .5478	- .6655	- .0078	+ .8232	+ .0030	- .3159	+ .9719	+ .0524	+ 1.65	+ .3090	+ 1.5812
2071.06	+ 69.66	+180.00	+ .8298	+ .6184	- .5532	- .6667	- .0048	+ .8298	+ .0021	- .2913	+ .9932	+ .0523	+ 1.65	+ .3094	+ 1.5639
2071.07	+ 64.64	+180.00	+ .8385	+ .6524	- .5579	- .6654	- .0091	+ .8385	+ .0045	- .2303	+ 1.0371	+ .0555	+ 1.65	+ .3077	+ 1.5620
2071.08	+ 79.75	+180.00	+ .7878	+ .4883	- .5230	- .6639	- .0041	+ .7878	+ .0014	- .3403	+ .8620	+ .0460	+ 1.65	+ .3069	+ 1.5331

+307101 -00001 +00001 -00001 +00001 +00001 +00003 -00002

700536 200072 200165 200080 206080 200045 200000

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2072.01	+ 79.73	+ .00	+ .7917	+ .4890	- .5260	- .6644	- .0091	+ .7917	+ .0034	- .3401	+ .8661	+ .0456	+ 1.65	+ .3069	+ 1.5196
2072.02	+ 84.83	+ .00	+ .7541	+ .3809	- .4972	- .6593	- .0068	+ .7541	+ .0024	- .3114	+ .7854	+ .0424	+ 1.65	+ .3073	+ 1.5851
2072.03	+ 89.92	+ .00	+ .7359	+ .2531	- .4756	- .6463	- .0005	+ .7359	- .0004	- .2519	+ .7364	+ .0439	+ 1.65	+ .3069	+ 1.5947
2072.04	+ 94.99	+ .00	+ .7019	+ .1295	- .4430	- .6311	- .0002	+ .7019	- .0002	- .1900	+ .6880	+ .0459	+ 1.65	+ .3069	+ 1.5235
2072.05	+100.10	+ .00	+ .6683	+ .0055	- .4122	- .6168	- .0007	+ .6683	+ .0001	- .1225	+ .6569	+ .0464	+ 1.65	+ .3073	+ 1.7565
2072.06	+105.20	+ .00	+ .6322	- .1309	- .3801	- .6012	+ .0053	+ .6322	- .0030	- .0395	+ .6444	+ .0457	+ 1.65	+ .3069	+ 1.7565
2072.07	+108.25	+ .00	+ .6012	- .2179	- .3560	- .5921	+ .0050	+ .6012	- .0032	+ .0187	+ .6391	+ .0433	+ 1.65	+ .3069	+ 1.6718
2072.08	+ 79.74	+ .00	+ .7860	+ .4890	- .5217	- .6637	- .0137	+ .7860	+ .0056	- .3412	+ .8604	+ .0460	+ 1.65	+ .3069	+ 1.5427
2072.09	+ 79.74	+ .00	+ .7892	+ .4872	- .5244	- .6645	- .0130	+ .7892	+ .0056	- .3390	+ .8634	+ .0454	+ 1.65	+ .3069	+ 1.5485
2072.10	+ 79.74	+ .00	+ .7863	+ .4870	- .5225	- .6645	- .0130	+ .7863	+ .0056	- .3392	+ .8604	+ .0453	+ 1.65	+ .3073	+ 1.5485

+307101 -00001 +00001 -00001 +00001 +00001 +00003 -00002

700536 200073 200501 200000 201000 200001 200000

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2073.02	- .01	+ .00	- .0006	+ .6586	+ .0004	- .6667	- .0135	- .0006	+ .0000	- .0006	+ .6586	+ .0388	+ 5.01	+ .2533	+ 4.1871
2073.03	+ 3.02	+ .00	+ .0727	+ .6564	- .0529	- .7276	- .0129	+ .0727	+ .0000	+ .0380	+ .6596	+ .0357	+ 5.01	+ .2523	+ 4.1871
2073.04	+ 5.00	+ .00	+ .1218	+ .6574	- .0891	- .7315	- .0129	+ .1218	+ .0000	+ .0638	+ .6658	+ .0332	+ 5.01	+ .2519	+ 4.1871
2073.05	+ 10.04	+ .00	+ .2409	+ .6583	- .1744	- .7240	- .0122	+ .2409	- .0002	+ .1224	+ .6905	+ .0296	+ 5.01	+ .0252	+ 4.1871
2073.06	+ 15.09	+ .00	+ .3543	+ .6527	- .2575	- .7268	- .0096	+ .3543	- .0002	+ .1720	+ .7227	+ .0239	+ 5.01	+ .2530	+ 4.1852
2073.07	+ 20.10	+ .00	+ .4535	+ .6473	- .3302	- .7281	- .0070	+ .4535	- .0002	+ .2034	+ .7637	+ .0189	+ 5.01	+ .2545	+ 4.1852
2073.08	+ 25.10	+ .00	+ .5261	+ .6389	- .3830	- .7280	- .0051	+ .5261	- .0002	+ .2057	+ .8016	+ .0154	+ 5.01	+ .2540	+ 4.1852
2073.09	+ .01	+ .00	+ .0006	+ .6626	- .0008	- 1.3333	- .0129	+ .0006	+ .0000	+ .0006	+ .6626	+ .0387	+ 5.01	+ .2524	+ 4.1852

+307301 -00005 -00003 -00003 +00001 +00001 +00006 +00000

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page 1 11-15-62 700536 200074 200501 200040 211040 200002 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2074.02	+ 39.93	+ .00	+ .4082	+ .7856	- .2974	- .7268	- .0071	+ .4082	+ .0013	- .1912	+ .8641	+ .0296	+ 5.01	+ .2528	+ 6.1362
2074.03	+ 39.93	+ .00	+ .4104	+ .7868	- .2974	- .7251	- .0071	+ .4104	+ .0013	- .1904	+ .8666	+ .0302	+ 5.01	+ .2530	+ 6.0380
2074.04	+ 40.02	+180.00	+ .6162	+ .6136	- .4403	- .7145	+ .0064	+ .6162	- .0025	+ .0773	+ .8661	+ .0184	+ 5.01	+ .2515	+ 6.0014
2074.05	+ 35.05	+180.00	+ .5940	+ .6249	- .4258	- .7168	+ .0058	+ .5940	- .0019	+ .1274	+ .8527	+ .0183	+ 5.01	+ .2517	+ 5.9899
2074.06	+ 30.03	+180.00	+ .5605	+ .6389	- .4030	- .7190	+ .0019	+ .5605	- .0006	+ .1652	+ .8336	+ .0190	+ 5.01	+ .2526	+ 5.9899
2074.07	+ 24.99	+180.00	+ .5132	+ .6483	- .3729	- .7256	- .0013	+ .5132	- .0000	+ .1910	+ .8046	+ .0172	+ 5.01	+ .2531	+ 5.9976
2074.08	+ 21.98	+180.00	+ .4677	+ .6549	- .3373	- .7212	- .0039	+ .4677	+ .0010	+ .1885	+ .7823	+ .0220	+ 5.01	+ .2530	+ 5.9995
2074.09	+ 40.01	+180.00	+ .6190	+ .6142	- .4430	- .7168	+ .0050	+ .6190	- .0033	+ .0753	+ .8677	+ .0170	+ 5.01	+ .2530	+ 5.9841

+307401 -00004 -00002 -00006 +00001 +00001 +00006 +00001

page 1 11-15-62 700536 200075 200501 200040 201040 200003 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2075.01	+ 40.01	+ .00	+ .6172	+ .6147	- .4440	- .7194	- .0051	+ .6172	+ .0004	+ .0778	+ .8673	+ .0155	+ 5.01	+ .2519	+ 5.8396
2075.02	+ 45.00	+ .00	+ .6334	+ .5987	- .4558	- .7196	- .0019	+ .6334	- .0002	+ .0245	+ .8710	+ .0138	+ 5.01	+ .2516	+ 5.8358
2075.03	+ 50.03	+ .00	+ .6461	+ .5811	- .4657	- .7206	- .0013	+ .6461	- .0002	+ .0302	+ .8668	+ .0116	+ 5.01	+ .2517	+ 5.8608
2075.04	+ 55.03	+ .00	+ .6567	+ .5630	- .4754	- .7239	+ .0000	+ .6567	- .0010	- .0847	+ .8609	+ .0081	+ 5.01	+ .2529	+ 5.9070
2075.05	+ 60.02	+ .00	+ .6625	+ .5346	- .4805	- .7253	+ .0013	+ .6625	- .0019	- .1317	+ .8411	+ .0053	+ 5.01	+ .2527	+ 5.9070
2075.06	+ 65.06	+ .00	+ .6627	+ .5135	- .4804	- .7249	+ .0013	+ .6627	- .0019	- .1575	+ .8233	+ .0043	+ 5.01	+ .2526	+ 5.9051
2075.07	+ 65.03	+ .00	+ .6633	+ .4992	- .4623	- .7271	+ .0019	+ .6633	- .0019	- .1724	+ .8119	+ .0019	+ 5.01	+ .2524	+ 5.9013
2075.08	+ 68.05	+ .00	+ .6622	+ .4749	- .4818	- .7276	+ .0019	+ .6622	- .0021	- .1931	+ .7516	+ .0002	+ 5.01	+ .2523	+ 5.9013
2075.09	+ 40.02	+ .00	+ .6162	+ .6169	- .4435	- .7197	- .0019	+ .6162	- .0010	+ .0752	+ .8667	+ .0154	+ 5.01	+ .2527	+ 5.9128

+307401 -00004 -00002 -00006 +00001 +00001 +00006 +00001

page 1 11-14-62 700536 200076 200501 200080 211000 200004 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2076.02	+ 79.86	+ .00	+ .6009	+ .6293	- .4309	- .7171	- .0045	+ .6009	+ .0025	- .5136	+ .7023	+ .0182	+ 5.01	+ .2519	+ .0193
2076.03	+ 79.93	+180.00	+ .6488	+ .3689	- .4675	- .7206	+ .0045	+ .6488	- .0023	- .2500	+ .7033	- .0009	+ 5.01	+ .2506	- .1040
2076.04	+ 74.93	+180.00	+ .6545	+ .4244	- .4743	- .7247	+ .0032	+ .6545	- .0013	- .2398	+ .7426	- .0005	+ 5.01	+ .2532	- .1579
2076.05	+ 71.89	+180.00	+ .6610	+ .4552	- .4787	- .7242	+ .0026	+ .6610	- .0010	- .2270	+ .7696	+ .0014	+ 5.01	+ .2532	- .1945
2076.06	+ 69.89	+180.00	+ .6638	+ .4723	- .4823	- .7266	+ .0026	+ .6638	- .0010	- .2153	+ .7858	+ .0006	+ 5.01	+ .2533	- .2003
2076.07	+ 64.87	+180.00	+ .6624	+ .5143	- .4803	- .7251	+ .0019	+ .6624	- .0006	- .1841	+ .8182	+ .0042	+ 5.01	+ .2529	- .2042
2076.08	+ 79.94	+180.00	+ .6497	+ .3693	- .4679	- .7202	+ .0056	+ .6497	- .0027	- .2501	+ .7044	- .0007	+ 5.01	+ .2519	- .2196

+307601 -00003 -00002 -00007 -00001 +00001 +00005 +00000

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ge 1 11-14-62 700536 200077 200501 200080 201080 200005 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2077.01	+ 79.92	+ .00	+ .6497	+ .3723	- .4658	- .7169	- .0039	+ .6497	+ .0015	- .2529	+ .7049	+ .0016	+ 5.01	+ .2523	- .2292
2077.02	+ 84.92	+ .00	+ .6303	+ .3104	- .4502	- .7143	- .0013	+ .6303	+ .0002	- .2532	+ .6554	+ .0003	+ 5.01	+ .2521	- .2369
2077.03	+ 89.96	+ .00	+ .6034	+ .2369	- .4246	- .7037	- .0006	+ .6034	- .0004	- .2362	+ .6034	+ .0032	+ 5.01	+ .2517	- .2408
2077.04	+ 94.97	+ .00	+ .5681	+ .1509	- .3948	- .6949	+ .0000	+ .5681	- .0008	- .1997	+ .5527	+ .0037	+ 5.01	+ .2517	- .2427
2077.05	+100.00	+ .00	+ .5177	+ .0650	- .3510	- .6780	+ .0019	+ .5177	- .0021	- .1537	+ .4984	+ .0078	+ 5.01	+ .2512	- .2446
2077.06	+105.02	+ .00	+ .4581	- .0366	- .3010	- .6571	+ .0019	+ .4581	- .0025	- .0835	+ .4517	+ .0109	+ 5.01	+ .2508	- .2485
2077.07	+108.04	+ .00	+ .4210	- .1033	- .2705	- .6425	+ .0026	+ .4210	- .0025	- .0321	+ .4326	+ .0121	+ 5.01	+ .2511	- .2408
2077.08	+ 79.92	+ .00	+ .6490	+ .3714	- .4688	- .7223	- .0013	+ .6490	+ .0004	- .2519	+ .7042	- .0019	+ 5.01	+ .2502	- .2273

+307601 -00003 -00002 -00007 -00001 +00001 +00005 +00000

page 1 11-14-62 700536 200078 200501 200140 211140 200006 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2078.02	+140.06	+ .00	+ .3887	- .7864	- .1761	- .4530	- .0090	+ .3887	+ .0023	+ .2069	+ .8524	+ .0440	+ 5.01	+ .2517	- .0039
2078.03	+140.15	+180.00	+ .1666	- .9769	- .0407	- .2443	- .0013	+ .1666	+ .0002	- .4984	+ .8567	+ .0159	+ 5.01	+ .2506	- .0616
2078.04	+135.14	+180.00	+ .1931	- .8578	- .0625	- .3237	+ .0000	+ .1931	- .0002	+ .4683	+ .7442	+ .0193	+ 5.01	+ .2512	+11.2382
2078.05	+130.11	+180.00	+ .2226	- .7205	- .0950	- .4268	+ .0000	+ .2226	- .0004	+ .4074	+ .6345	+ .0152	+ 5.01	+ .2512	+14.1234
2078.06	+125.05	+180.00	+ .2616	- .5675	- .1311	- .5011	+ .0006	+ .2616	- .0004	+ .3143	+ .5399	+ .0148	+ 5.01	+ .2507	+ 4.9171
2078.07	+122.03	+180.00	+ .2820	- .4731	- .1515	- .5372	+ .0000	+ .2820	- .0002	+ .2517	+ .4899	+ .0139	+ 5.01	+ .2497	+ .1175
2078.08	+140.14	+180.00	+ .1675	- .9758	- .0415	- .2478	+ .0019	+ .1675	- .0006	+ .4966	+ .8565	+ .0158	+ 5.01	+ .2500	+ .0693

+307801 -00010 -00001 -00008 -00001 +00002 +00007 -00001

page 1 11-14-62 700536 200079 200501 200140 201140 200025 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2079.01	+140.14	+ .00	+ .1682	- .9761	- .0438	- .2604	- .0051	+ .1682	+ .0010	+ .4964	+ .8573	+ .0140	+ 5.01	+ .2497	+ .0674
2079.02	+143.15	+ .00	+ .1473	- 1.0383	- .0290	- .1969	- .0058	+ .1473	+ .0008	+ .5050	+ .9193	+ .0107	+ 5.01	+ .2493	+ .0674
2079.03	+145.15	+ .00	+ .1345	- 1.0789	- .0219	- .1628	- .0064	+ .1345	+ .0013	+ .5060	+ .9624	+ .0067	+ 5.01	+ .2491	+ .0674
2079.04	+147.16	+ .00	+ .1236	- 1.1210	- .0159	- .1286	- .0058	+ .1236	+ .0015	+ .5039	+ 1.0091	+ .0027	+ 5.01	+ .2498	+ .0674
2079.05	+152.21	+ .00	+ .0926	- 1.2136	- .0013	- .0140	- .0064	+ .0926	+ .0015	+ .4836	+ 1.1165	- .0093	+ 5.01	+ .2500	+ .0674
2079.06	+155.16	+ .00	+ .0765	- 1.2617	+ .0040	+ .0523	- .0058	+ .0765	+ .0015	+ .4608	+ 1.1769	- .0180	+ 5.01	+ .2501	+ .0674
2079.07	+160.23	+ .00	+ .0411	- 1.3192	+ .0167	+ .4063	- .0058	+ .0411	+ .0013	+ .4076	+ 1.2557	- .0330	+ 5.01	+ .2504	+ .0713
2079.08	+165.24	+ .00	+ .0109	- 1.3582	+ .0244	+ 2.2385	- .0058	+ .0109	+ .0012	+ .3355	+ 1.3159	- .0483	+ 5.01	+ .2500	+ .0713
2079.09	+168.23	+ .00	- .0077	- 1.3742	+ .0290	- 3.7662	- .0058	- .0077	+ .0008	+ .2881	+ 1.3441	- .0574	+ 5.01	+ .2500	+ .0693
2079.10	+140.14	+ .00	+ .1675	- .9742	- .0427	- .2549	- .0045	+ .1675	+ .0004	+ .4955	+ .8550	+ .0147	+ 5.01	+ .2489	+ 2.6463

+307900 -00010 -00001 -00008 -00001 +00002 +00007 -00001

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page 1 11-16-62 700536 200080 200501 200000 202000 200007 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2080.02 +	.00 +	.00 -	.0077 +	.6786 +	[illegible]	1.0000 -	.0036 +	.0077 +	.0002 -	.0077 +	.6786 +	.0425 +	5.01 +	.2504 -	.0058
2080.03 +	3.02 +	.00 +	.0792 +	.6761 -	.0500 -	.6414 -	.0097 +	.0792 +	.0004 +	.0436 +	.6793 +	.0434 +	5.01 +	.2497 -	.0058
2080.04 +	5.01 +	.00 +	.1545 +	.6740 -	.0076 -	.6526 -	.0097 +	.1545 +	.0002 +	.0753 +	.6830 +	.0442 +	5.01 +	.2497 -	.0058
2080.05 +	10.06 +	.00 +	.2754 +	.6738 -	.1809 -	.6569 -	.0077 +	.2754 +	.0000 +	.1536 +	.7118 +	.0477 +	5.01 +	.2498 -	.0058
2080.06 +	15.09 +	.00 +	.4070 +	.6635 -	.2699 -	.6631 -	.0077 +	.4070 +	.0000 +	.2205 +	.7465 +	.0403 +	5.01 +	.2507 -	.0058
2080.07 +	20.14 +	.00 +	.5277 +	.6620 -	.3533 -	.6695 -	.0071 +	.5277 +	.0000 +	.2674 +	.8034 +	.0476 +	5.01 +	.2507 -	.0058
2080.08 +	25.16 +	.00 +	.6190 +	.6528 -	.4145 -	.6703 -	.0050 +	.6190 -	.0002 +	.2802 +	.8593 +	.0484 -	5.01 +	.2501 +	.0135
2080.09 +	.00 +	.00 -	.0109 +	.6800 +	.0115 -	1.0550 -	.0084 -	.0109 +	.0002 -	.0109 +	.6800 +	.0441 +	5.01 +	.2493 +	.0751

+308001 -00005 -00002 -00007 -00002 +00002 +00009 +00000

page 1 11-16-62 700536 200081 200501 200040 212040 200008 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2081.02 +	39.97 +	.00 +	.5417 +	.3322 -	.3453 -	.6374 -	.0006 +	.5417 -	.0010 -	.1152 +	.9055 +	.0752 +	5.01 +	.2527 +	.0539
2081.03 +	40.04 +	180.00 +	.7524 +	.6567 -	.4921 -	.6540 +	.0122 +	.7524 -	.0042 +	.1534 +	.9867 +	.0625 +	5.01 +	.2536 +	.0539
2081.04 +	35.03 +	180.00 +	.7150 +	.6595 -	.4699 -	.6572 +	.0084 +	.7150 -	.0024 +	.2071 +	.9505 +	.0592 +	5.01 +	.2523 +	.0539
2081.05 +	30.03 +	180.00 +	.6724 +	.6647 -	.4454 -	.6624 +	.0039 +	.6724 -	.0017 +	.2495 +	.9122 +	.0548 +	5.01 +	.2500 +	.0539
2081.06 +	25.00 +	180.00 +	.6049 +	.6659 -	.4038 -	.6675 +	.0032 +	.6049 -	.0015 +	.2665 +	.8592 +	.0502 +	5.01 +	.2491 +	.0482
2081.07 +	22.00 +	180.00 +	.5480 +	.6695 -	.3644 -	.6650 -	.0006 +	.5482 -	.0002 +	.2573 +	.8258 +	.0508 +	5.01 +	.2481 +	.0443
2081.08 +	40.04 +	180.00 +	.7537 +	.6567 -	.4932 -	.6544 +	.0129 +	.7537 -	.0044 +	.1549 +	.9876 +	.0623 +	5.01 +	.2483 +	.0424

+308101 -00006 -00002 -00009 -00001 +00002 +00008 +00000

page 1 11-16-62 700536 200082 200501 200040 202000 200009 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2082.01 +	40.04 +	.00 +	.7497 +	.6594 -	.4906 -	.6544 +	.0006 +	.7497 -	.0012 +	.1499 +	.9868 +	.0624 +	5.01 +	.2490 +	.0424
2082.02 +	45.04 +	.00 +	.7748 +	.6532 -	.5069 -	.6542 +	.0026 +	.7748 -	.0019 +	.0856 +	1.0097 +	.0629 +	5.01 +	.2480 +	.0424
2082.03 +	50.04 +	.00 +	.7977 +	.6436 -	.5230 -	.6556 +	.0032 +	.7977 -	.0019 +	.0193 +	1.0247 +	.0619 +	5.01 +	.2474 +	.0443
2082.04 +	55.02 +	.00 +	.8039 +	.6311 -	.5271 -	.6557 +	.0032 +	.8039 -	.0019 -	.0561 +	1.0205 +	.0614 +	5.01 +	.2475 +	.0559
2082.05 +	60.01 +	.00 +	.8048 +	.6099 -	.5272 -	.6551 +	.0032 +	.8048 -	.0025 -	.1261 +	1.0017 +	.0606 +	5.01 +	.2511 +	.3120
2082.06 +	63.05 +	.00 +	.8020 +	.5936 -	.5237 -	.6530 +	.0051 +	.8020 -	.0033 -	.1659 +	.9840 +	.0612 +	5.01 +	.2518 +	.3082
2082.07 +	65.06 +	.00 +	.7986 +	.5767 -	.5231 -	.6550 +	.0039 +	.7986 -	.0029 -	.1865 +	.9670 +	.0584 +	5.01 +	.2519 +	.2099
2082.08 +	68.06 +	.00 +	.7870 +	.5549 -	.5144 -	.6536 +	.0039 +	.7870 -	.0029 -	.2205 +	.9374 +	.0580 +	5.01 +	.2519 +	.1406
2082.09 +	40.01 +	.00 +	.7510 +	.6629 -	.4914 -	.6543 +	.0019 +	.7510 -	.0021 +	.1492 +	.9908 +	.0626 +	5.01 +	.2519 +	.0963

+308101 -00006 -00002 -00009 -00001 +00002 +00008 +00000

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page 1 11-16-62 700536 200083 200501 200080 212080 200010 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2083.02	+ 79.82	+ .00	+ .6808	+ .7053	- .4427	- .6503	- .0039	+ .6808	+ .0008	- .5738	+ .7949	+ .0657	+ 5.01	+ .2525	+ .0770
2083.03	+ 79.95	+180.00	+ .7257	+ .4449	- .4758	- .6556	+ .0064	+ .7257	- .0042	- .3117	+ .7920	+ .0480	+ 5.01	+ .2503	+ .0790
2083.04	+ 74.86	+180.00	+ .7562	+ .5046	- .4961	- .6560	+ .0058	+ .7562	- .0038	- .2895	+ .8615	+ .0522	+ 5.01	+ .2504	+ .0809
2083.05	+ 71.85	+180.00	+ .7728	+ .5377	- .5068	- .6558	+ .0051	+ .7728	- .0035	- .2704	+ .9019	+ .0548	+ 5.01	+ .2503	+ .0867
2083.06	+ 69.87	+180.00	+ .7822	+ .5598	- .5131	- .6560	+ .0051	+ .7822	- .0033	- .2565	+ .9268	+ .0562	+ 5.01	+ .2501	+ .0886
2083.07	+ 64.85	+180.00	+ .7979	+ .5934	- .5246	- .6575	+ .0019	+ .7979	- .0019	- .1980	+ .9747	+ .0575	+ 5.01	+ .2500	+ .0905
2083.08	+ 79.93	+180.00	+ .7282	+ .4471	- .4756	- .6531	+ .0096	+ .7282	- .0050	- .3127	+ .7951	+ .0501	+ 5.01	+ .2493	+ .0924

+308301 -00005 -00002 -00014 -00001 +00004 +00008 -00003

page 1 11-16-62 700536 200084 200501 200080 202080 200021 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2084.00	+ 79.91	+ .00	+ .7317	+ .4359	- .4824	- .6593	+ .0167	+ .7317	- .0023	- .3009	+ .7966	+ .0450	+ 5.01	+ .2482	+ .0924
2084.02	+ 84.98	+ .00	+ .7160	+ .2007	- .4720	- .6592	+ .0187	+ .7160	- .0033	- .1370	+ .7308	+ .0307	+ 5.01	+ .2480	+ .0924
2084.03	+ 89.84	+ .00	+ .6453	+ .2779	- .4242	- .6574	+ .0392	+ .6453	- .0063	- .2760	+ .6459	+ .0346	+ 5.01	+ .3248	+ .0905
2084.04	+ 84.90	+ .00	+ .8982	+ .0000	- .6073	- .6761	+ .0380	+ .8982	- .0018	+ .0798	+ .8945	+ .0085	+ 5.01	+ .2252	+ .0847
2084.04	+100.01	+ .00	+ .5399	+ .0482	- .3666	- .6790	+ .0588	+ .5399	- .0106	- .1417	+ .5235	+ .0065	+ 5.01	+ .2167	+ .0809
2084.06	+104.91	+ .00	+ .4720	- .2071	- .3622	- .7674	+ .0597	+ .4720	- .0119	+ .0790	+ .5096	- .0508	+ 5.01	+ .2169	+ .0539
2084.06	+106.90	+ .00	+ .4042	- .1126	- .3284	- .8125	+ .0500	+ .4042	- .0147	- .0096	+ .4196	- .0579	+ 5.01	+ .2171	+ .0462
2084.08	+ 80.06	+ .00	+ .9767	- .0886	- .6427	- .6580	+ .0616	+ .9767	- .0100	+ .2562	+ .9469	+ .0218	+ 5.01	+ .2169	+ .0462
2084.08	+ 80.03	+ .00	+ .0239	- .1809	- .0632	- 2.6444	+ .1911	+ .0239	- .0388	+ .1809	- .0068	- .0575	+ 5.01	+ .0710	+11.9412

+314401 -00012 -00005 -00026 -00011 +00010 +00009 +00001

page 1 11-16-62 700536 200085 200501 200140 212140 200012 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2085.02	+140.05	+ .00	+ .3927	- .7874	- .1768	- .4502	- .0058	+ .3927	+ .0015	+ .2044	+ .8555	+ .0461	+ 5.01	+ .2483	+ .0809
2085.03	+140.16	+180.00	+ .1672	- .9721	- .0378	- .2261	+ .0000	+ .1672	- .0004	+ .4944	+ .8538	+ .0195	+ 5.01	+ .2488	+ .0809
2085.04	+135.07	+180.00	+ .1918	- .8501	- .0537	- .2800	+ .0000	+ .1918	- .0002	+ .4646	+ .7375	+ .0276	+ 5.01	+ .2486	+ .0809
2085.05	+130.10	+180.00	+ .2294	- .7325	- .0797	- .3474	- .0013	+ .2294	+ .0000	+ .4125	+ .6471	+ .0344	+ 5.01	+ .290	+ .0809
2085.06	+125.05	+180.00	+ .2693	- .5970	- .1097	- .4074	+ .0000	+ .2693	- .0002	+ .3341	+ .5630	+ .0397	+ 5.01	+ .2489	+ .0809
2085.07	+121.98	+180.00	+ .2985	- .5131	- .1329	- .4452	- .0019	+ .2985	- .0002	+ .2774	+ .5253	+ .0415	+ 5.01	+ .2491	+ .0790
2084.	+140.16	+180.00	+ .1686	- .9779	- .0407	- .2414	+ .0019	+ .1686	- .0004	- .4973	- .8588	+ .0171	+ 5.01	+ .2474	+ .0732

+308501 -00011 -00003 -00012 -00002 +00004 +00009 -00002

page 1 11-16-62 700536 200086 200501 200140 202140 200013 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2086.01	+140.12	+ .00	+ .1684	- .9815	- .0417	- .2476	+ .0116	+ .1684	+ .0002	+ .5001	+ .8613	+ .0158	+ 5.01	+ .2495	+ .0770
2086.02	+143.14	+ .00	+ .1477	- 1.0445	- .0309	- .2092	+ .0116	+ .1477	+ .0002	+ .5081	+ .9244	+ .0088	+ 5.01	+ .2497	+ .0770
2086.03	+145.20	+ .00	+ .1343	- 1.0895	- .0246	- .1832	+ .0109	+ .1343	+ .0004	+ .5113	+ .9713	+ .0032	+ 5.01	+ .2497	+ .0770
2086.04	+147.20	+ .00	+ .1241	- 1.1313	- .0207	- .1668	+ .0109	+ .1241	+ .0004	+ .5087	+ 1.0181	- .0023	+ 5.01	+ .2493	+ .0828
2086.05	+152.17	+ .00	+ .0965	- 1.2230	- .0081	- .0839	+ .0109	+ .0965	+ .0004	+ .4857	+ 1.1265	- .0141	+ 5.01	+ .2493	+ .0847
2086.06	+155.20	+ .00	+ .0824	- 1.2774	- .0046	- .0558	+ .0109	+ .0824	+ .0004	+ .4608	+ 1.1944	- .0235	+ 5.01	+ .2492	+ .0867
2086.07	+160.27	+ .00	+ .0547	- 1.3512	+ .0031	+ .0567	+ .0109	+ .0547	+ .0004	+ .4049	+ 1.2900	- .0391	+ 5.01	+ .2485	+ .0867
2086.08	+165.29	+ .00	+ .0328	- 1.4033	+ .0071	+ .2165	+ .0109	+ .0328	+ .0002	+ .3244	+ 1.3653	- .0532	+ 5.01	+ .2485	+ .0867
2086.09	+168.29	+ .00	+ .0251	- 1.4241	+ .0067	+ .2669	+ .0103	+ .0251	- .0000	+ .2645	+ 1.3997	- .0601	+ 5.01	+ .2486	+ .0867
2086.10	+140.13	+ .00	+ .1681	- .9794	- .0433	- .2576	+ .0116	+ .1681	- .0002	+ .4990	+ .8596	+ .0142	+ 5.01	+ .2484	+ .0867

+314001 -00015 -00005 -00023 -00010 +00009 +00008 +00000

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page 1 11-14-62 700536 200087 200501 200140 213100 200019 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2087.02	+140.06	+ .00	+ .3851	- .7933	- .1728	- .4490	- .0064	+ .3851	+ .0015	+ .2138	+ .8558	+ .0443	+ 5.01	+ .2484	+ .0847
2087.03	+140.15	+180.00	+ .1622	- .9769	- .0367	- .2226	- .0019	+ .1622	+ .0002	+ .5013	+ .8540	+ .0174	+ 5.01	+ .2480	+ .0847
2087.04	+135.13	+180.00	+ .1882	- .8600	- .0511	- .2715	- .0013	+ .1882	+ .0002	+ .4732	+ .7420	+ .0273	+ 5.01	+ .2475	+ .0867
2087.05	+130.10	+180.00	+ .2187	- .7395	- .0754	- .3448	- .0019	+ .2187	- .0000	+ .4239	+ .6433	+ .0310	+ 5.01	+ .2480	+ .0867
2087.06	+125.07	+180.00	+ .2579	- .6089	- .1052	- .4079	- .0019	+ .2579	+ .0002	+ .3503	+ .5607	+ .0357	+ 5.01	+ .2506	+ .0847
2087.07	+122.04	+180.00	+ .2826	- .5242	- .1251	- .4427	- .0019	+ .2826	+ .0002	+ .2942	+ .5177	+ .0377	+ 5.01	+ .2515	+ .0847
2087.08	+140.14	+180.00	+ .1617	- .9826	- .0377	- .2331	+ .0000	+ .1617	- .0004	+ .5058	+ .8576	+ .0153	+ 5.01	+ .2514	+ .0809

+308701 -00012 -00002 -00010 -00003 +00004 +00009 -00001

page 1 11-14-62 700536 200088 200501 200140 203140 200020 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2088.01	+140.14	+ .00	+ .1667	- .9759	- .0393	- .2358	- .0051	+ .1667	+ .0008	+ .4976	+ .8562	+ .0175	+ 5.01	+ .2516	+ .0867
2088.02	+143.15	+ .00	+ .1493	- 1.0406	- .0266	- .1929	- .0045	+ .1493	+ .0006	+ .5045	+ .9222	+ .0121	+ 5.01	+ .2517	+ .0867
2088.03	+145.15	+ .00	+ .1389	- 1.0811	- .0232	- .1670	- .0045	+ .1389	+ .0008	+ .5036	+ .9666	+ .0083	+ 5.01	+ .2518	+ .0867
2088.04	+147.17	+ .00	+ .1254	- 1.1229	- .0171	- .1364	- .0051	+ .1254	+ .0010	+ .5036	+ 1.0117	+ .0026	+ 5.01	+ .2518	+ .0866
2088.05	+152.15	+ .00	+ .1015	- 1.2176	- .0063	- .0818	- .0045	+ .1015	+ .0010	+ .4781	+ 1.1245	- .0106	+ 5.01	+ .2521	+ .0924
2088.06	+159.17	+ .00	+ .0829	- 1.2666	- .0021	- .0253	- .0058	+ .0829	+ .0010	+ .4576	+ 1.1865	- .0201	+ 5.01	+ .2520	+ .0944
2088.07	+160.24	+ .00	+ .0611	- 1.3401	+ .0038	+ .0682	- .0051	+ .0611	+ .0006	+ .3953	+ 1.2816	- .0334	+ 5.01	+ .2520	+ .0944
2088.08	+165.22	+ .00	+ .0411	- 1.3986	+ .0065	+ .1582	- .0064	+ .0411	+ .0010	+ .3169	+ 1.3626	- .0478	+ 5.01	+ .2514	+ .0944
2088.09	+168.24	+ .00	+ .0315	- 1.4200	+ .0067	+ .2127	- .0064	+ .0315	+ .0010	+ .2583	+ 1.3969	- .0555	+ 5.01	+ .2514	+ .0944
2088.10	+140.13	+ .00	+ .1671	- .9799	- .0398	- .2382	- .0051	+ .1671	+ .0008	+ .4999	+ .8591	+ .0169	+ 5.01	+ .2508	+ .0944

+308701 -00012 -00002 -00010 -00003 +00004 +00009 -00001

page 1 11-16-62 700536 200089 200501 200000 203000 200014 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2089.02	- .01	+ .00	- .0026	+ .6774	+ .0029	- 1.1154	- .0071	- .0026	+ .0000	- .0026	+ .6774	+ .0411	+ 5.01	+ .2806	+ .0597
2089.03	+ 3.03	+ .00	+ .0758	+ .6713	- .0503	- .6636	- .0064	+ .0758	+ .0002	+ .0405	+ .6745	+ .0413	+ 5.01	+ .2534	+ .0597
2089.04	+ 5.02	+ .00	+ .1247	+ .6700	- .0831	- .6624	- .0058	+ .1247	+ .0002	+ .0656	+ .6783	+ .0420	+ 5.01	+ .2532	+ .0597
2089.05	+ 10.05	+ .00	+ .2551	+ .6663	- .1757	- .6887	- .0045	+ .2551	+ .0000	+ .1349	+ .7004	+ .0386	+ 5.01	+ .2533	+ .0597
2089.06	+ 15.08	+ .00	+ .3734	+ .6589	- .2608	- .6984	- .0045	+ .3734	+ .0000	+ .1893	+ .7333	+ .0341	+ 5.01	+ .2537	+ .0597
2089.07	+ 20.13	+ .00	+ .4791	+ .6574	- .3359	- .7011	- .0013	+ .4791	+ .0000	+ .2238	+ .7819	+ .0314	+ 5.01	+ .2538	+ .0597
2089.08	+ 25.14	+ .00	+ .5601	+ .6584	- .3908	- .6977	- .0013	+ .5601	+ .0000	+ .2274	+ .8338	+ .0321	+ 5.01	+ .2528	+ .0597
2089.09	- .02	+ .00	- .0026	+ .6778	+ .0029	- 1.1154	- .0064	- .0026	+ .0002	- .0026	+ .6778	+ .0411	+ 5.01	+ .2508	+ .0597

+308901 -00008 -00005 -00014 -00004 +00004 +00008 -00001

page 1 11-16-62 700536 200117 200501 200040 213040 200015 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2117.01	+ 39.93	+ .00	- .9140	+ .7607	+ .6405	- .7008	+ .0405	- .9140	- .0094	- 1.1888	- .0029	+ .0587	+ 5.01	+ .0838	+14.1349
2117.02	+ 40.02	+180.00	+ .6764	+ .6352	- .4697	- .6944	+ .0193	+ .6764	- .0054	+ .1093	+ .9214	+ .0315	+ 5.01	+ .2532	+14.1330
2117.03	+ 35.02	+180.00	+ .6507	+ .6430	- .4517	- .6942	+ .0193	+ .6507	- .0052	+ .1638	+ .9000	+ .0324	+ 5.01	+ .2534	+14.1330
2117.04	+ 30.01	+180.00	+ .6113	+ .6518	- .4266	- .6979	+ .0193	+ .6113	- .0050	+ .2036	+ .8701	+ .0310	+ 5.01	+ .2535	+14.1330
2117.05	+ 25.01	+180.00	+ .5604	+ .6595	- .3937	- .7025	+ .0180	+ .5604	- .0046	+ .2252	+ .8346	+ .0294	+ 5.01	+ .2536	+14.1330
2117.06	+ 21.97	+180.00	+ .5123	+ .6595	- .3610	- .7047	+ .0180	+ .5123	- .0046	+ .2282	+ .8034	+ .0291	+ 5.01	+ .2533	+14.1330
2117.07	+ 40.03	+180.00	+ .6800	+ .6389	- .4718	- .6938	+ .0205	+ .6800	- .0058	+ .1098	+ .9266	+ .0321	+ 5.01	+ .2535	+14.1330

+303401 +00001 -00001 -00002 -00002 +00005 +00006 +00001

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page 1 11-16-62 700536 200118 200501 200040 213040 200015 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2118.03	+ 39.94	+ .00	+ .4636	+ .8153	- .3196	- .6894	- .0064	+ .4636	+ .0006	- .1678	+ .9226	+ .0463	+ 5.01	+ .2532	+14.1311
2118.04	+ 40.03	+180.00	+ .6742	+ .6440	- .4666	- .6921	+ .0032	+ .6742	- .0019	+ .1022	+ .9268	+ .0337	+ 5.01	+ .2533	+14.1311
2118.05	+ 35.02	+180.00	+ .6463	+ .6489	- .4471	- .6918	+ .0026	+ .6463	- .0015	+ .1571	+ .9025	+ .0344	+ 5.01	+ .2522	+14.1311
2118.06	+ 30.02	+180.00	+ .6079	+ .6599	- .4229	- .6957	+ .0006	+ .6079	- .0008	+ .1960	+ .8758	+ .0328	+ 5.01	+ .2527	+14.1311
2118.07	+ 24.99	+180.00	+ .5553	+ .6684	- .3890	- .7005	- .0006	+ .5553	- .0004	+ .2211	+ .8407	+ .0312	+ 5.01	+ .2533	+14.1311
2118.08	+ 21.98	+180.00	+ .5066	+ .6680	- .3561	- .7029	- .0026	+ .5066	+ .0002	+ .2199	+ .8088	+ .0307	+ 5.01	+ .2532	+14.1311
2118.10	+ 40.02	+180.00	+ .6743	+ .6428	- .4685	- .6948	+ .0064	+ .6743	- .0025	+ .1027	+ .9260	+ .0317	+ 5.01	+ .2528	+14.1311

+311802 +00000 -00002 -00003 +00001 -00001 +00002 -00001

page 1 11-16-62 700536 200119 200501 200040 203040 200016 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2119.01	+ 40.02	+ .00	+ .6705	+ .6480	- .4630	- .6905	- .0039	+ .6705	- .0000	+ .0966	+ .9275	+ .0350	+ 5.01	+ .2521	+14.1311
2119.02	+ 45.00	+ .00	+ .6880	+ .6359	- .4772	- .6936	- .0045	+ .6880	+ .0002	+ .0366	+ .9359	+ .0320	+ 5.01	+ .2528	+14.1311
2119.03	+ 50.02	+ .00	+ .7006	+ .6198	- .4878	- .6963	- .0045	+ .7006	+ .0002	- .0250	+ .9348	+ .0291	+ 5.01	+ .2531	+14.1311
2119.04	+ 55.04	+ .00	+ .7049	+ .6001	- .4938	- .7005	- .0051	+ .7049	+ .0000	- .0880	+ .9214	+ .0249	+ 5.01	+ .2527	+14.1311
2119.05	+ 60.05	+ .00	+ .6995	+ .5702	- .4918	- .7031	- .0064	+ .6995	+ .0004	- .1448	+ .8907	+ .0214	+ 5.01	+ .2517	+14.1311
2119.06	+ 63.04	+ .00	+ .6937	+ .5533	- .4898	- .7061	- .0052	+ .6937	- .0000	- .1784	+ .8689	+ .0185	+ 5.01	+ .2514	+14.1311
2119.07	+ 65.04	+ .00	+ .6926	+ .5369	- .4891	- .7062	- .0051	+ .6926	- .0000	- .1944	+ .8542	+ .0175	+ 5.01	+ .2516	+14.1311
2119.08	+ 68.01	+ .00	+ .6856	+ .5130	- .4861	- .7090	- .0051	+ .6856	+ .0004	- .2189	+ .8278	+ .0142	+ 5.01	+ .2516	+14.1311
2119.09	+ 40.02	+ .00	+ .6699	+ .6493	- .4624	- .6903	- .0039	+ .6699	- .0004	+ .0952	+ .9280	+ .0353	+ 5.01	+ .2517	+14.1311
2119.10	+ 40.02	+ .00	+ .6722	+ .6465	- .4639	- .6901	- .0045	+ .6722	- .0002	+ .0992	+ .9272	+ .0352	+ 5.01	+ .2515	+14.1311

+311802 +00000 -00002 -00003 +00001 -00001 +00002 -00001

page 1 11-14-62 700536 200120 200501 200080 213080 200017 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2120.02	+ 79.85	+ .00	+ .5788	+ .6649	- .4042	- .6983	- .0109	+ .5788	+ .0052	- .5524	+ .6867	+ .0319	+ 5.01	+ .2534	+14.1234
2120.03	+ 79.92	+180.00	+ .6280	+ .4075	- .4401	- .7008	+ .0019	+ .6280	- .0010	- .2912	+ .6897	+ .0145	+ 5.01	+ .2533	+14.1234
2120.04	+ 74.92	+180.00	+ .6487	+ .4595	- .4555	- .7022	+ .0006	+ .6487	+ .0004	- .2748	+ .7459	+ .0164	+ 5.01	+ .2523	+14.1234
2120.05	+ 71.89	+180.00	+ .6642	+ .4882	- .4672	- .7034	- .0026	+ .6642	+ .0013	- .2576	+ .7830	+ .0170	+ 5.01	+ .2528	+14.1234
2120.06	+ 69.89	+180.00	+ .6702	+ .5072	- .4711	- .7029	- .0039	+ .6702	+ .0019	- .2459	+ .8037	+ .0184	+ 5.01	+ .2529	+14.1234
2120.07	+ 64.90	+180.00	+ .6847	+ .5472	- .4797	- .7006	- .0032	+ .6847	+ .0023	- .2051	+ .8519	+ .0221	+ 5.01	+ .2525	+14.1234
2120.08	+ 79.92	+180.00	+ .6339	+ .4074	- .4457	- .7031	+ .0032	+ .6339	- .0008	- .2902	+ .6957	+ .0130	+ 5.01	+ .2523	+14.1214

+312001 +00002 +00001 -00006 -00001 -00001 +00004 +00000

page 1 11-14-62 700536 200121 200501 200080 203080 200018 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2121.01	+ 79.92	+ .00	+ .6334	+ .4126	- .4437	- .7005	- .0071	+ .6334	+ .0029	- .2955	+ .6959	+ .0149	+ 5.01	+ .2522	+14.1214
2121.02	+ 84.92	+ .00	+ .6013	+ .3479	- .4180	- .6952	- .0064	+ .6013	+ .0025	- .2933	+ .6296	+ .0148	+ 5.01	+ .2525	+14.1214
2121.03	+ 89.93	+ .00	+ .5697	+ .2675	- .3910	- .6863	- .0064	+ .5697	+ .0023	- .2668	+ .5703	+ .0154	+ 5.01	+ .2525	+14.1214
2121.04	+ 95.00	+ .00	+ .5307	+ .1722	- .3557	- .6702	- .0045	+ .5307	+ .0017	- .2178	+ .5140	+ .0184	+ 5.01	+ .2533	+14.1214
2121.05	+ 99.98	+ .00	+ .4798	+ .0630	- .3083	- .6426	- .0039	+ .4798	+ .0008	- .1452	+ .4619	+ .0245	+ 5.01	+ .2534	+14.1214
2121.06	+105.04	+ .00	+ .4319	- .0636	- .2625	- .6078	- .0006	+ .4319	- .0004	- .0508	+ .4338	+ .0299	+ 5.01	+ .2533	+14.1214
2121.07	+108.03	+ .00	+ .3970	- .1426	- .2300	- .5793	- .0032	+ .3970	+ .0013	+ .0128	+ .4214	+ .0337	+ 5.01	+ .2534	+14.1214
2121.08	+ 79.90	+ .00	+ .6307	+ .4096	- .4436	- .7033	- .0039	+ .6307	+ .0017	- .2925	+ .6931	+ .0130	+ 5.01	+ .2525	+14.1214

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												13	14	15	16	
2122.03	- .02	+ .00	- .0026	+ .6781	+ .0046	- .7692	- .0084	- .0026	+ .0000	- .0026	+ .6781	+ .0428	+ 5.01	+ .2533	+ .0231	
2122.04	+ 2.99	+ .00	+ .0758	+ .6758	- .0488	- .6436	- .0071	+ .0758	+ .0000	+ .0405	+ .6790	+ .0430	+ 5.01	+ .2534	+ .0231	
2122.05	+ 5.01	+ .00	+ .1298	+ .6732	- .0861	- .6633	- .0077	+ .1298	- .0002	+ .0707	+ .6822	+ .0425	+ 5.01	+ .2534	+ .0231	
2122.06	+ 10.07	+ .00	+ .2613	+ .6676	- .1751	- .6701	- .0071	+ .2613	- .0002	+ .1406	+ .7030	+ .0435	+ 5.01	+ .2536	+ .0231	
2122.07	+ 15.10	+ .00	+ .3872	+ .6614	- .2619	- .6754	- .0077	+ .3872	- .0004	+ .2016	+ .7398	+ .0427	+ 5.01	+ .2535	+ .0212	
2122.08	+ 20.09	+ .00	+ .4977	+ .6531	- .3373	- .6777	- .0077	+ .4977	- .0004	+ .2434	+ .7841	+ .0424	+ 5.01	+ .2535	+ .0212	
2122.09	+ 25.12	+ .00	+ .5860	+ .6458	- .3968	- .6771	- .0058	+ .5860	- .0006	+ .2564	+ .8534	+ .0431	+ 5.01	+ .2533	+ .0212	
2122.10	- .01	+ .00	- .0013	+ .6777	+ .0021	- .6154	- .0064	- .0013	+ .0000	- .0013	+ .6777	+ .0412	+ 5.01	+ .2534	+ .0231	

+312202 -00003 -00004 -00013 +00000 +00000 +00004 -00002

page 1 11-16-62 700536 200123 200501 200040 214040 200026 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2123.02	+ 39.95	+ .00	+ .4988	+ .8063	- .3256	- .6528	+ .0019	+ .4981	- .0008	- .1355	+ .9386	+ .0640	+ 5.01	+ .2523	+ .0462
2123.03	+ 40.04	+180.00	+ .7072	+ .6308	- .4709	- .6659	+ .0090	+ .7072	- .0031	+ .1355	+ .9379	+ .0512	+ 5.01	+ .2521	+ .0482
2123.04	+ 35.04	+180.00	+ .6758	+ .6334	- .4524	- .6664	+ .0084	+ .6758	- .0031	+ .1895	+ .9064	+ .0483	+ 5.01	+ .2521	+ .0539
2123.05	+ 30.01	+180.00	+ .6302	+ .6430	- .4244	- .6734	+ .0071	+ .6302	- .0025	+ .2242	+ .8717	+ .0456	+ 5.01	+ .2521	+ .0539
2123.06	+ 25.00	+180.00	+ .5725	+ .6521	- .3874	- .6767	+ .0032	+ .5725	- .0013	+ .2432	+ .8330	+ .0436	+ 5.01	+ .2524	+ .0539
2123.07	+ 21.99	+180.00	+ .5201	+ .6505	- .3540	- .6806	+ .0039	+ .5201	- .0013	+ .2389	+ .7982	+ .0410	+ 5.01	+ .2522	+ .0520
2123.08	+ 40.05	+180.00	+ .7102	+ .6343	- .4729	- .6659	+ .0116	+ .7102	- .0040	+ .1357	+ .9425	+ .0515	+ 5.01	+ .2518	+ .0520

+312501 -00003 -00003 -00014 -00001 +00001 +00003 -00001

page 1 11-16-62 700536 200124 200501 200040 204040 200027 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2124.01	+ 40.01	+ .00	+ .7068	+ .6367	- .4690	- .6636	+ .0019	+ .7068	- .0010	+ .1318	+ .9422	+ .0532	+ 5.01	+ .2512	+ .0520
2124.02	+ 45.06	+ .00	+ .7287	+ .6283	- .4832	- .6651	+ .0019	+ .7287	- .0017	+ .0702	+ .9598	+ .0535	+ 5.01	+ .2510	+ .0520
2124.03	+ 50.06	+ .00	+ .7428	+ .6193	- .4922	- .6626	+ .0032	+ .7428	- .0019	+ .0019	+ .9673	+ .0537	+ 5.01	+ .2512	+ .0520
2124.04	+ 55.06	+ .00	+ .7520	+ .6080	- .4981	- .6624	+ .0026	+ .7520	- .0013	- .0675	+ .9648	+ .0534	+ 5.01	+ .2514	+ .0539
2124.05	+ 60.04	+ .00	+ .7497	+ .5838	- .4977	- .6639	+ .0039	+ .7497	- .0019	- .1312	+ .9413	+ .0508	+ 5.01	+ .2513	+ .0539
2124.06	+ 63.05	+ .00	+ .7486	+ .5698	- .4957	- .6622	+ .0051	+ .7486	- .0025	- .1685	+ .9255	+ .0512	+ 5.01	+ .2506	+ .0539
2124.07	+ 65.03	+ .00	+ .7454	+ .5557	- .4936	- .662	+ .0058	+ .7454	- .0027	- .1891	+ .9100	+ .0502	+ 5.01	+ .2506	+ .0539
2124.08	+ 68.06	+ .00	+ .7381	+ .5324	- .4889	- .6624	+ .0064	+ .7381	- .0025	- .2180	+ .8834	+ .0486	+ 5.01	+ .2507	+ .0539
2124.09	+ 40.01	+ .00	+ .7092	+ .6385	- .4707	- .6637	+ .0019	+ .7092	- .0015	+ .1324	+ .9451	+ .0532	+ 5.01	+ .2500	+ .0520

+312501 -00003 -00003 -00014 -00001 +00001 +00003 -00001

[redacted]

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page 1 11-16-62 700536 200125 200501 200080 214080 200028 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2125.02	+ 79.83	+ .00	+ .6452	+ .6860	- .4210	- .6525	- .0051	+ .6452	+ .0021	- .5610	+ .7561	+ .0618	+ 5.01	+ .2534	+ .0924
2125.03	+ 79.94	+180.00	+ .6888	+ .4276	- .4531	- .6578	+ .0058	+ .6888	- .0033	- .3004	+ .7530	+ .0444	+ 5.01	+ .2517	+ .0924
2125.04	+ 74.90	+180.00	+ .7137	+ .4837	- .4713	- .6604	+ .0039	+ .7137	- .0021	- .2814	+ .8152	+ .0465	+ 5.01	+ .2521	+ .0924
2125.05	+ 71.88	+180.00	+ .7293	+ .5132	- .4815	- .6602	+ .0039	+ .7293	- .0021	- .2611	+ .8528	+ .0488	+ 5.01	+ .2518	+ .0924
2125.06	+ 69.89	+180.00	+ .7382	+ .5327	- .4875	- .6604	+ .0039	+ .7382	- .0019	- .2467	+ .8760	+ .0501	+ 5.01	+ .2514	+ .0944
2125.07	+ 64.90	+180.00	+ .7479	+ .5699	- .4955	- .6625	+ .0026	+ .7479	- .0013	- .1985	+ .9189	+ .0510	+ 5.01	+ .2521	+ .0944
2125.08	+ 79.94	+180.00	+ .6905	+ .4297	- .4561	- .6605	+ .0071	+ .6905	- .0040	- .3026	+ .7548	+ .0427	+ 5.01	+ .2515	+ .0944

+312501 -00001 -00001 -00016 -00002 +00002 +00007 -00002

page 1 11-16-62 700536 200126 200501 200080 204080 200029 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2126.01	+ 79.90	+ .00	+ .6875	+ .4317	- .4542	- .6607	- .0006	+ .6875	- .0006	- .3048	+ .7526	+ .0427	+ 5.01	+ .2508	+ .0944
2126.02	+ 84.95	+ .00	+ .6500	+ .3617	- .4277	- .6580	- .0006	+ .6500	- .0008	- .3031	+ .6796	+ .0393	+ 5.01	+ .2511	+ .0944
2126.03	+ 89.97	+ .00	+ .6088	+ .2806	- .3963	- .6510	- .0013	+ .6088	- .0008	- .2806	+ .6088	+ .0376	+ 5.01	+ .2516	+ .0886
2126.04	+ 94.97	+ .00	+ .5644	+ .1879	- .3607	- .6391	+ .0000	+ .5644	- .0017	- .2360	+ .5458	+ .0374	+ 5.01	+ .2513	+ .0809
2126.05	+ 99.97	+ .00	+ .5115	+ .0771	- .3148	- .6154	+ .0006	+ .5115	- .0017	- .1645	+ .4903	+ .0404	+ 5.01	+ .2508	+ .0732
2126.06	+105.03	+ .00	+ .4568	- .0540	- .2665	- .5834	+ .0000	+ .4568	- .0019	- .0663	+ .4548	+ .0435	+ 5.01	+ .2505	+ .0655
2126.07	+108.04	+ .00	+ .4223	- .1352	- .2360	- .5588	- .0006	+ .4223	- .0013	- .0019	+ .4435	+ .0456	+ 5.01	+ .2504	+ .0578
2126.08	+ 79.92	+ .00	+ .6922	+ .4300	- .4587	- .6627	- .0013	+ .6922	- .0010	- .3021	+ .7565	+ .0413	+ 5.01	+ .2501	+ .0636

+312501 -00001 -00001 -00016 -00002 +00002 +00007 -00002

page 1 11-16-62 700536 200127 200501 200140 214140 200030 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2127.02	+140.07	+ .00	+ .3885	- .7918	- .1724	- .4438	- .0051	+ .3885	+ .0010	+ .2100	+ .8566	+ .0472	+ 5.01	+ .2503	+ .0597
2127.03	+140.14	+180.00	+ .1647	- .9769	- .0354	- .2149	+ .0000	+ .1647	- .0004	+ .4993	+ .8557	+ .0199	+ 5.01	+ .2514	+ .0616
2127.04	+135.10	+180.00	+ .1904	- .8588	- .0514	- .2700	- .0019	+ .1904	- .0002	+ .4716	+ .7430	+ .0285	+ 5.01	+ .2505	+ .0616
2127.05	+130.08	+180.00	+ .2238	- .7358	- .0756	- .3378	- .0019	+ .2238	- .0000	+ .4187	+ .6451	+ .0345	+ 5.01	+ .2506	+ .0616
2127.06	+125.07	+180.00	+ .2619	- .6041	- .1036	- .3956	- .0019	+ .2619	+ .0002	+ .3441	+ .5617	+ .0404	+ 5.01	+ .2510	+ .0616
2127.07	+122.04	+180.00	+ .2907	- .5211	- .1259	- .4331	- .0019	+ .2907	+ .0002	+ .2875	+ .5231	+ .0427	+ 5.01	+ .2511	+ .0616
2127.08	+140.13	+180.00	+ .1634	- .9785	- .0355	- .2173	+ .0000	+ .1634	- .0004	+ .5018	+ .8556	+ .0188	+ 5.01	+ .2511	+ .0616

+312701 -00009 -00003 -00018 -00003 +00002 +00007 +00000

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page 1 11-16-62 700536 200128 200501 200140 204140 200031 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2128.01	+140.15	+ .00	+ .1688	- .9791	- .0393	- .2328	- .0032	+ .1688	+ .0004	+ .4979	+ .8599	+ .0186	+ 5.01	+ .2508	+ .0616
2128.02	+143.14	+ .00	+ .1506	- 1.0393	- .0282	- .1873	- .0045	+ .1506	+ .0010	+ .5032	+ .9222	+ .0137	+ 5.01	+ .2511	+ .0636
2128.03	+145.18	+ .00	+ .1395	- 1.0840	- .0240	- .1720	- .0045	+ .1395	+ .0008	+ .5047	+ .9696	+ .0077	+ 5.01	+ .2513	+ .0636
2128.04	+147.18	+ .00	+ .1271	- 1.1238	- .0171	- .1345	- .0032	+ .1271	+ .0004	+ .5022	+ 1.0133	+ .0038	+ 5.01	+ .2516	+ .0655
2126.05	+152.17	+ .00	+ .1013	- 1.2151	- .0069	- .0681	- .0032	+ .1013	+ .0004	+ .4777	+ 1.1221	- .0091	+ 5.01	+ .2520	+ .0693
2128.06	+155.20	+ .00	+ .0873	- 1.2675	- .0019	- .0218	- .0026	+ .0873	+ .0004	+ .4525	+ 1.1873	- .0168	+ 5.01	+ .2517	+ .0713
2128.07	+160.21	+ .00	+ .0598	- 1.3390	+ .0046	+ .0769	- .0051	+ .0598	+ .0013	+ .3968	+ 1.2805	- .0334	+ 5.01	+ .2512	+ .0732
2128.08	+165.21	+ .00	+ .0399	- 1.3949	+ .0071	+ .1779	- .0032	+ .0399	+ .0004	+ .3174	+ 1.3589	- .0478	+ 5.01	+ .2510	+ .0732
2128.09	+168.23	+ .00	+ .0283	- 1.4140	+ .0090	+ .3180	- .0039	+ .0283	+ .0000	+ .2608	+ 1.3902	- .0550	+ 5.01	+ .2509	+ .0732
2128.10	+140.14	+ .00	+ .1652	- .9786	- .0384	- .2324	- .0045	+ .1652	+ .0004	+ .5002	+ .8571	+ .0172	+ 5.01	+ .2508	+ .0732

+312701 -00009 -00003 -00018 -00003 +00002 +00007 +00000

page 1 11-16-62 700536 200129 200501 200140 215140 200037 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2129.02	+140.07	+ .00	+ .3861	- .7940	- .1739	- .4504	- .0051	+ .3861	+ .0015	+ .2133	+ .8569	+ .0439	+ 5.01	+ .2515	+ .0559
2129.03	+140.14	+180.00	+ .1599	- .9774	- .0350	- .2189	- .0013	+ .1599	+ .0004	+ .5034	+ .8528	+ .0169	+ 5.01	+ .2516	+ .0597
2129.04	+135.12	+180.00	+ .1884	- .8644	- .0532	- .2824	- .0013	+ .1884	+ .0004	+ .4766	+ .7454	+ .0250	+ 5.01	+ .2512	+ .0597
2129.05	+130.10	+180.00	+ .2194	- .7407	- .0756	- .3446	- .0013	+ .2194	+ .0006	+ .4254	+ .6448	+ .0311	+ 5.01	+ .2511	+ .0597
2129.06	+125.06	+180.00	+ .2543	- .6085	- .1026	- .4035	+ .0000	+ .2543	+ .0004	+ .3522	+ .5576	+ .0358	+ 5.01	+ .2509	+ .0597
2129.07	+122.04	+180.00	+ .2766	- .5261	- .1228	- .4440	- .0013	+ .2766	+ .0002	+ .2991	+ .5132	+ .0358	+ 5.01	+ .2512	+ .0578
2129.08	+140.16	+180.00	+ .1626	- .9833	- .0384	- .2353	+ .0006	+ .1628	- .0002	+ .5052	+ .8591	+ .0152	+ 5.01	+ .2511	+ .0578

+312901 -00009 -00003 -00018 -00004 +00004 +00007 +00000

page 1 11-16-62 700536 200130 200501 200140 205140 200038 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2130.01	+140.12	+ .00	+ .1654	- .9808	- .0401	- .2424	- .0026	+ .1654	+ .0006	+ .5020	+ .8585	+ .0154	+ 5.01	+ .2504	+ .0597
2130.02	+143.13	+ .00	+ .1467	- 1.0448	- .0288	- .1963	- .0032	+ .1467	+ .0008	+ .5095	+ .9238	+ .0101	+ 5.01	+ .2505	+ .0597
2130.03	+145.13	+ .00	+ .1377	- 1.0866	- .0238	- .1728	- .0032	+ .1377	+ .0006	+ .5082	+ .9701	+ .0065	+ 5.01	+ .2505	+ .0597
2130.04	+147.15	+ .00	+ .1254	- 1.1252	- .0186	- .1483	- .0045	+ .1254	+ .0013	+ .5047	+ 1.0133	+ .0010	+ 5.01	+ .2507	+ .0616
2130.05	+152.19	+ .00	+ .0989	- 1.2192	- .0083	- .0839	- .0045	+ .0989	+ .0013	+ .4811	+ 1.1248	- .0124	+ 5.01	+ .2503	+ .0674
2130.06	+155.19	+ .00	+ .0826	- 1.2690	- .0017	- .0205	- .0032	+ .0828	+ .0008	+ .4577	+ 1.1076	- .0198	+ 5.01	+ .2504	+ .0713
2130.07	+160.21	+ .00	+ .0590	- 1.3411	+ .0035	+ .0593	- .0032	+ .0590	+ .0008	+ .3983	+ 1.2821	- .0351	+ 5.01	+ .2507	+ .0713
2130.08	+165.21	+ .00	+ .0404	- 1.3976	+ .0050	+ .1238	- .0038	+ .0404	+ .0008	+ .3175	+ 1.3617	- .0497	+ 5.01	+ .2507	+ .0713
2130.09	+168.22	+ .00	+ .0295	- 1.4172	+ .0065	+ .2136	- .0039	+ .0295	+ .0006	+ .2607	+ 1.3935	- .0571	+ 5.01	+ .25	+ .0713
2130.10	+140.13	+ .00	+ .1674	- .9787	- .0395	- .2360	- .0032	+ .1674	+ .0004	+ .4990	+ .8583	+ .0175	+ 5.01	+ .2490	+ .0713

+312901 -00009 -00003 -00018 -00004 +00004 +00007 +00000

CONFIDENTIAL

~~CONFIDENTIAL~~

page 1 11-16-62 700536 200131 200501 200000 205000 200032 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2131.02 +	.00 +	.00 +	.0038 +	.6793 +	.0218 +	5.7368 -	.0083 +	.0038 +	.0000 +	.0038 +	.6793 +	.0646 +	5.01 +	.2509 +	.0231
2131.03 +	2.98 +	.00 +	.0805 +	.6759 -	.0317 -	.3938 -	.0083 +	.0805 +	.0000 +	.0454 +	.6791 +	.0633 +	5.01 +	.2516 +	.0231
2131.04 +	5.02 +	.00 +	.1327 +	.6733 -	.0683 -	.5147 -	.0083 +	.1327 -	.0002 +	.0731 +	.6822 +	.0624 +	5.01 +	.2507 +	.0231
2131.05 +	10.06 +	.00 +	.2622 +	.6605 -	.1588 -	.6056 -	.0084 +	.2622 -	.0002 +	.1426 +	.6959 +	.0600 +	5.01 +	.2502 +	.0231
2131.06 +	15.07 +	.00 +	.3848 +	.6487 -	.2466 -	.6409 -	.0090 +	.3848 -	.0004 +	.2027 +	.7266 +	.0556 +	5.01 +	.2511 +	.0231
2131.07 +	20.10 +	.00 +	.4944 +	.6502 -	.3290 -	.6655 -	.0071 +	.4944 -	.0004 +	.2408 +	.7802 +	.0484 +	5.01 +	.2510 +	.0250
2131.08 +	25.13 +	.00 +	.5711 +	.6555 -	.3826 -	.6699 -	.0090 +	.5711 -	.0006 +	.2389 +	.8356 +	.0477 +	5.01 +	.2509 +	.0270
2131.09 +	.01 +	.00 +	.0058 +	.6851 +	.0192 +	3.3103 -	.0071 +	.0058 +	.0000 +	.0058 +	.6851 +	.0636 +	5.01 +	.2511 +	.0327

+313101 -00004 [illegible]

1-16-62 700536 200132 200501 200040 215040 200033 200000

1	2	4	5	6	7	8	9	10	11	12	13	14	15	16
2132.03 +	39.95 +	.00 +	.4478 +	.8273 -	.2941 -	.6568 -	.0039 +	.4478 +	.0010 -	.1881 +	.9220 +	.0617 +	5.01 +	.2526 +	.0597
2132.04 +	40.02 +	180.00 +	.6533 +	.6520 -	.4361 -	.6675 +	.0039 +	.6533 -	.0013 +	.0813 +	.9196 +	.0502 +	5.01 +	.2524 +	.0597
2132.05 +	35.02 +	180.00 +	.6350 +	.6556 -	.4247 -	.6688 +	.0019 +	.6350 -	.0006 +	.1438 +	.9013 +	.0494 +	5.01 +	.2525 +	.0597
2132.06 +	30.03 +	180.00 +	.6008 +	.6614 -	.4029 -	.6706 +	.0006 +	.6008 -	.0002 +	.1889 +	.8735 +	.0481 +	5.01 +	.2525 +	.0597
2132.07 +	25.02 +	180.00 +	.5607 +	.6582 -	.3786 -	.6752 -	.0013 +	.5607 +	.0004 +	.2297 +	.8337 +	.0447 +	5.01 +	.2510 +	.0578
2132.08 +	22.02 +	180.00 +	.5182 +	.6532 -	.3480 -	.6716 -	.0032 +	.5182 +	.0010 +	.2352 +	.7998 +	.0458 +	5.01 +	.2507 +	.0578
2132.09 +	40.01 +	180.00 +	.6585 +	.6527 -	.4427 -	.6723 +	.0032 +	.6585 -	.0011 +	.0847 +	.9231 +	.0473 +	5.01 +	.2504 +	.0520

+313201 -00005 -00007 -00021 -00006 +00004 +00007 +00000

page 1 11-16-62 700536 200133 200501 200040 205040 200034 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2133.01 +	40.03 +	.00 +	.6547 +	.6566 -	.4374 -	.6681 -	.0026 +	.6547 +	.0008 +	.0792 +	.9237 +	.0502 +	5.01 +	.2516 +	.0520
2133.02 +	45.00 +	.00 +	.6713 +	.6417 -	.4511 -	.6720 -	.0013 +	.6713 +	.0002 +	.0212 +	.9282 +	.0470 +	5.01 +	.2534 +	.0539
2133.03 +	50.02 +	.00 +	.6803 +	.6270 -	.4599 -	.6760 -	.0026 +	.6803 +	.0006 -	.0436 +	.9242 +	.0436 +	5.01 +	.2536 +	.0559
2133.04 +	55.01 +	.00 +	.6865 +	.6017 -	.4685 -	.6824 -	.0026 +	.6865 +	.0002 -	.0995 +	.9074 +	.0377 +	5.01 +	.2535 +	.0559
2133.05 +	60.00 +	.00 +	.6860 +	.5730 -	.4711 -	.6867 -	.0026 +	.6860 +	.0002 -	.1535 +	.8807 +	.0331 +	5.01 +	.2534 +	.0539
2133.06 +	63.01 +	.00 +	.6822 +	.5523 -	.4701 -	.6891 -	.0039 +	.6822 +	.0006 -	.1826 +	.8583 +	.0302 +	5.01 +	.2532 +	.0520
2133.07 +	65.02 +	.00 +	.6787 +	.5380 -	.4693 -	.6915 -	.0013 +	.6787 +	.0002 -	.2012 +	.8426 +	.0278 +	5.01 +	.2520 +	.0520
2133.08 +	68.04 +	.00 +	.6732 +	.5137 -	.4674 -	.6943 -	.0013 +	.6732 -	.0002 -	.2244 +	.8166 +	.0245 +	5.01 +	.2519 +	.0501
2133.09 +	40.00 +	.00 +	.6558 +	.6571 -	.4377 -	.6674 -	.0032 +	.6558 +	.0000 +	.0798 +	.9248 +	.0507 +	5.01 +	.2511 +	.0462

+313201 -00005 -00007 -00021 -00006 +00004 +00007 +00000

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page 1 11-16-62 700336 200134 200501 200080 215080 200035 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2134.02 +	79.85 +	.00 +	.5802 +	.6708 -	.4006 -	.6905 -	.0064 +	.5802 +	.0033 -	.5584 +	.6895 +	.0369 +	5.01 +	.2521 +	.0924
2134.03 +	79.92	+180.00 +	.6238 +	.4105 -	.4327 -	.6937 -	.0006 +	.6238 +	.0002 -	.2952 +	.6859 +	.0192 +	5.01 +	.2529 +	.0944
2134.04 +	74.93	+180.00 +	.6444 +	.4637 -	.4483 -	.6957 -	.0013 +	.6444 +	.0013 -	.2804 +	.7428 +	.0209 +	5.01 +	.2518 +	.0944
2134.05 +	71.88	+180.00 +	.6581 +	.4965 -	.4558 -	.6926 -	.0026 +	.6581 +	.0010 -	.2672 +	.7798 +	.0247 +	5.01 +	.2515 +	.0944
2134.06 +	69.90	+180.00 +	.6675 +	.5143 -	.4619 -	.6920 -	.0013 +	.6675 +	.0013 -	.2536 +	.8034 +	.0261 +	5.01 +	.2516 +	.0944
2134.07 +	64.88	+180.00 +	.6772 +	.5557 -	.4654 -	.6872 -	.0032 +	.6772 +	.0017 -	.2155 +	.8489 +	.0317 +	5.01 +	.2518 +	.0944
2134.08 +	79.95	+180.00 +	.6262 +	.4121 -	.4344 -	.6937 +	.0000 +	.6262 -	.0002 -	.2964 +	.6886 +	.0193 +	5.01 +	.2519 +	.0905
2134.09 +	79.95	+180.00 +	.6243 +	.4115 -	.4332 -	.6939 -	.0006 +	.6243 +	.0002 -	.2964 +	.6867 +	.0192 +	5.01 +	.2519 +	.0924

+313401 -00004 -00004 -00020 -00007 +00006 +00007 -00002

page 1 11-16-62 700336 200135 200501 200080 205080 200036 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2135.01 +	79.89 +	.00 +	.6255 +	.4177 -	.4342 -	.6942 -	.0039 +	.6255 +	.0015 -	.3012 +	.6892 +	.0193 +	5.01 +	.2511 +	.0944
2135.02 +	84.94 +	.00 +	.5957 +	.3532 -	.4096 -	.6876 -	.0039 +	.5957 +	.0013 -	.2991 +	.6247 +	.0197 +	5.01 +	.2511 +	.0944
2135.03 +	89.94 +	.00 +	.5612 +	.2729 -	.3819 -	.6805 -	.0032 +	.5612 +	.0008 -	.2722 +	.5612 +	.0189 +	5.01 +	.2511 +	.0944
2135.04 +	94.94 +	.00 +	.5208 +	.1777 -	.3480 -	.6682 -	.0032 +	.5208 +	.0004 -	.2221 +	.5034 +	.0196 +	5.01 +	.2510 +	.0886
2135.05 +	99.97 +	.00 +	.4748 +	.0663 -	.3066 -	.6457 -	.0013 +	.4748 -	.0002 -	.1473 +	.4561 +	.0228 +	5.01 +	.2511 +	.0770
2135.06 +	105.04 +	.00 +	.4287 -	.0643 -	.2604 -	.6074 -	.0039 +	.4287 +	.0004 -	.0495 +	.4306 +	.0297 +	5.01 +	.2514 +	.0693
2135.07 +	108.03 +	.00 +	.3997 -	.1452 -	.2518 -	.5799 -	.0032 +	.3997 -	.0002 +	.0141 +	.4247 +	.0337 +	5.01 +	.2514 +	.0616
2135.08 +	79.91 +	.00 +	.6260 +	.4156 -	.4357 -	.6960 -	.0039 +	.6260 +	.0008 -	.2998 +	.6890 +	.0180 +	5.01 +	.2499 +	.0713

+313401 -00004 -00004 -00020 -00007 +00006 +00007 -00002

page 1 11-16-62 700536 200136 200501 200140 208140 200126 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2136.02 +	140.13 +	.00 +	.1758 -	1.0290 -	.0679 -	.3862 -	.0039 +	.1758 +	.0006 +	.5248 +	.9021 -	.0081 +	5.01 +	.2503 +	.0559
2136.03 +	143.14 +	.00 +	.1622 -	1.0988 -	.0631 -	.3890 -	.0039 +	.1622 +	.0002 +	.5291 +	.9765 -	.0167 +	5.01 +	.2504 +	.0559
2136.04 +	145.15 +	.00 +	.1511 -	1.1470 -	.0570 -	.3772 -	.0051 +	.1511 +	.0010 +	.5317 +	1.0274 -	.0211 +	5.01 +	.2507 +	.0559
2136.05 +	147.19 +	.00 +	.1408 -	1.1943 -	.0543 -	.3857 -	.0039 +	.1408 +	.0004 +	.5287 +	1.0798 -	.0282 +	5.01 +	.2506 +	.0559
2136.06 +	152.19 +	.00 +	.1178 -	1.2942 -	.0495 -	.4202 -	.0032 +	.1178 +	.0006 +	.4994 +	1.1996 -	.0451 +	5.01 +	.2504 +	.0559
2136.07 +	155.18 +	.00 +	.1017 -	1.3460 -	.0445 -	.4376 -	.0039 +	.1017 +	.0006 +	.4725 +	1.2643 -	.0542 +	5.01 +	.2504 +	.0539
2136.08 +	160.18 +	.00 +	.0837 -	1.4175 -	.0426 -	.5090 -	.0039 +	.0837 +	.0006 +	.4017 +	1.3621 -	.0689 +	5.01 +	.2504 +	.0539
2136.09 +	165.22 +	.00 +	.0656 -	1.4615 -	.0382 -	.5823 -	.0032 +	.0656 +	.0004	.3095 +	1.4299 -	.0794 +	5.01 +	.2498 +	.0559
2136.10 +	168.23 +	.00 +	.0572 -	1.4751 -	.0388 -	.6783 -	.0045 +	.0572 +	.0010 +	.2449 +	1.4558 -	.0866 +	5.01 +	.2501 +	.0559
2136.11 +	140.13 +	.00 +	.1804 -	1.0307 -	.0696 -	.3858 -	.0039 +	.1804 +	.0002 +	.5221 +	.9067 -	.0067 +	5.01 +	.2497 +	.0559

+313601 -00013 -00005 -00022 -00008 +00006 +00008 -00001

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page 1 11-16-62 700536 200138 200501 200140 218140 200127 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2138.01	+140.15	+180.00	+ .1720	- 1.0371	- .0671	- .3901	+ .0000	+ .1720	- .0008	+ .5327	+ .9062	- .0103	+ 5.01	+ .2487	+ .0077
2138.02	+135.15	+180.00	+ .1994	- .9122	- .0810	- .4062	+ .0000	+ .1994	- .0010	+ .5018	+ .7874	+ .0019	+ 5.01	+ .2474	+ .0077
2138.03	+130.11	+180.00	+ .2259	- .7787	- .0969	- .4290	- .0013	+ .2259	- .0004	+ .4498	+ .6744	+ .0120	+ 5.01	+ .2474	+ .0077
2138.04	+125.07	+180.00	+ .2568	- .6418	- .1212	- .4720	- .0026	+ .2568	- .0002	+ .3779	+ .5787	+ .0170	+ 5.01	+ .2473	+ .0077
2138.05	+122.04	+180.00	+ .2808	- .5526	- .1394	- .4964	- .0019	+ .2808	- .0002	+ .3193	+ .5314	+ .0206	+ 5.01	+ .2477	+ .0077
2138.06	+140.15	+180.00	+ .1736	- 1.0380	- .0693	- .3992	+ .0026	+ .1736	- .0015	+ .5319	+ .9081	- .0115	+ 5.01	+ .2469	+ .0077
2138.07	+140.07	+ .00	+ .3945	- .8514	- .2053	- .5204	- .0019	+ .3945	+ .0004	+ .2442	+ .9060	+ .0150	+ 5.01	+ .2471	+ .0077

+313601 -00013 -00005 -00022 -00008 +00006 +00008 -00001

page 1 11-16-62 700536 200139 200501 200040 209040 200009 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2139.02	+ 40.02	+ .00	+ .6510	+ .6395	- .4487	- .6892	- .0045	+ .6510	+ .0008	+ .0875	+ .9084	+ .0355	+ 5.01	+ .2493	+ .0578
2139.03	+ 44.99	+ .00	+ .6678	+ .6267	- .4612	- .6906	- .0039	+ .6678	+ .0006	+ .0296	+ .9153	+ .0337	+ 5.01	+ .2495	+ .0578
2139.04	+ 50.00	+ .00	+ .6794	+ .6125	- .4716	- .6941	- .0032	+ .6794	+ .0004	- .0328	+ .9140	+ .0303	+ 5.01	+ .2495	+ .0578
2139.05	+ 55.02	+ .00	+ .6806	+ .5938	- .4739	- .6963	- .0032	+ .6806	+ .0004	- .0965	+ .8981	+ .0278	+ 5.01	+ .2493	+ .0616
2139.06	+ 60.02	+ .00	+ .6729	+ .5668	- .4702	- .6988	- .0013	+ .6729	- .0002	- .1544	+ .8659	+ .0247	+ 5.01	+ .2493	+ .0616
2139.07	+ 63.01	+ .00	+ .6719	+ .5470	- .4710	- .7010	- .0013	+ .6719	+ .0002	- .1828	+ .8469	+ .0220	+ 5.01	+ .2492	+ .0597
2139.08	+ 65.02	+ .00	+ .6673	+ .5296	- .4699	- .7042	- .0013	+ .6673	- .0002	- .1982	+ .8289	+ .0189	+ 5.01	+ .2492	+ .0578
2139.09	+ 68.03	+ .00	+ .6600	+ .5057	- .4652	- .7048	- .0013	+ .6600	- .0000	- .2219	+ .8016	+ .0172	+ 5.01	+ .2493	+ .0578
2139.10	+ 40.02	+ .00	+ .6521	+ .6412	- .4494	- .6892	- .0032	+ .6521	+ .0006	+ .0868	+ .9107	+ .0356	+ 5.01	+ .2481	+ .0559

+313901 -00009 -00005 -00023 -00009 +00006 +00008 +00000

page 1 11-16-62 700536 200140 200501 200140 219140 200012 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2140.02	+140.07	+ .00	+ .3841	- .7914	- .1710	- .4452	- .0051	+ .3841	+ .0017	+ .2133	+ .8537	+ .0457	+ 5.01	+ .2509	+ .0539
2140.03	+140.14	+180.00	+ .1639	- .9808	- .0374	- .2282	+ .0013	+ .1639	- .0004	+ .5026	+ .8581	+ .0172	+ 5.01	+ .2507	+ .0559
2140.04	+135.14	+180.00	+ .1885	- .8608	- .0512	- .2716	+ .0006	+ .1885	- .0000	+ .4735	+ .7430	+ .0273	+ 5.01	+ .2505	+ .0559
2140.05	+130.12	+180.00	+ .2181	- .7392	- .0748	- .3430	+ .0013	+ .2181	- .0002	+ .4246	+ .6433	+ .0311	+ 5.01	+ .2499	+ .0559
2140.06	+125.06	+180.00	+ .2554	- .6067	- .1036	- .4056	- .0013	+ .2554	+ .0004	+ .3500	+ .5578	+ .0357	+ 5.01	+ .2499	+ .0539
2140.07	+122.05	+180.00	+ .2818	- .5262	- .1264	- .4485	+ .0006	+ .2818	+ .0004	+ .2966	+ .5179	+ .0358	+ 5.01	+ .2499	+ .0501
2140.08	+140.16	+180.00	+ .1619	- .9805	- .0363	- .2242	+ .0019	+ .1619	- .0004	+ .5038	+ .8565	+ .0169	+ 5.01	+ .2496	+ .0462

+314001 -00015 -00005 -00025 -00010 +00009 +00008 +00000

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page 1 11-16-62 700536 200141 200501 200140 209140 200013 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2141.01	+140.12	+ .00	+ .1695	- .9793	- .0398	- .2348	- .0019	+ .1695	+ .0010	+ .4977	+ .8605	+ .0186	+ 5.01	+ .2497	+ .0539
2141.02	+143.13	+ .00	+ .1505	- 1.0432	- .0297	- .1973	- .0032	+ .1505	+ .0008	+ .5055	+ .9248	+ .0120	+ 5.01	+ .2493	+ .0539
2141.03	+145.14	+ .00	+ .1384	- 1.0866	- .0245	- .1770	- .0026	+ .1384	+ .0006	+ .5073	+ .9707	+ .0063	+ 5.01	+ .2491	+ .0539
2141.04	+147.15	+ .00	+ .1267	- 1.1245	- .0180	- .1421	- .0026	+ .1267	+ .0010	+ .5037	+ 1.0132	+ .0026	+ 5.01	+ .2487	+ .0559
2141.05	+152.19	+ .00	+ .1016	- 1.2210	- .0067	- .0659	- .0032	+ .1016	+ .0008	+ .4796	+ 1.1271	- .0091	+ 5.01	+ .2488	+ .0578
2141.06	+155.18	+ .00	+ .0874	- 1.2720	- .0033	- .0378	- .0026	+ .0874	+ .0006	+ .4544	+ 1.1910	- .0184	+ 5.01	+ .2489	+ .0616
2141.07	+160.21	+ .00	+ .0617	- 1.3425	+ .0035	+ .0567	- .0039	+ .0617	+ .0010	+ .3967	+ 1.2840	- .0333	+ 5.01	+ .2488	+ .0616
2141.08	+165.22	+ .00	+ .0412	- 1.3950	+ .0063	+ .1529	- .0026	+ .0412	+ .0006	+ .3158	+ 1.3596	- .0478	+ 5.01	+ .2487	+ .0616
2141.09	+168.24	+ .00	+ .0302	- 1.4172	+ .0075	+ .2483	- .0032	+ .0302	+ .0008	+ .2593	+ 1.3934	- .0554	+ 5.01	+ .2480	+ .0616
2141.10	+140.14	+ .00	+ .1680	- .9772	- .0387	- .2304	- .0032	+ .1680	+ .0006	+ .4976	+ .8581	+ .0189	+ 5.01	+ .2473	+ .0616

+314001 -00015 -00005 -00025 -00010 +00009 +00008 +00000

page 1 11-16-62 700536 200142 200501 200080 219080 200010 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2142.02	+ 79.85	+ .00	+ .5758	+ .6671	- .4058	- .7048	- .0064	+ .5758	+ .0021	- .5552	+ .6845	+ .0283	+ 5.01	+ .2493	+ .0713
2142.03	+ 79.92	+180.00	+ .6178	+ .4074	- .4367	- .7069	+ .0000	+ .6178	- .0008	- .2928	+ .6796	+ .0109	+ 5.01	+ .2492	+ .0713
2142.04	+ 74.93	+180.00	+ .6418	+ .4583	- .4554	- .7096	- .0006	+ .6418	- .0004	- .2755	+ .7390	+ .0117	+ 5.01	+ .2491	+ .0732
2142.05	+ 71.90	+180.00	+ .6540	+ .4860	- .4640	- .7095	- .0013	+ .6540	- .0000	- .2588	+ .7725	+ .0131	+ 5.01	+ .2491	+ .0751
2142.06	+ 69.91	+180.00	+ .6590	+ .5079	- .4674	- .7093	- .0032	+ .6590	+ .0010	- .2508	+ .7934	+ .0144	+ 5.01	+ .2494	+ .0751
2142.07	+ 64.90	+180.00	+ .6719	+ .5465	- .4743	- .7059	- .0039	+ .6719	+ .0006	- .2096	+ .8403	+ .0186	+ 5.01	+ .2494	+ .0751
2142.08	+ 79.92	+180.00	+ .6215	+ .4069	- .4405	- .7088	+ .0019	+ .6215	- .0010	- .2918	+ .6832	+ .0096	+ 5.01	+ .2495	+ .0790

+314201 -00009 -00004 -00025 -00010 +00009 +00009 +00000

page 1 11-14-62 700536 200143 200501 200080 209080 200011 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2143.01	+ 79.92	+ .00	+ .6199	+ .4073	- .4378	- .7062	- .0058	+ .6199	+ .0019	- .2923	+ .6816	+ .0113	+ 5.01	+ .2490	+ .0790
2143.02	+ 84.91	+ .00	+ .5916	+ .3443	- .4163	- .7037	- .0039	+ .5916	+ .0006	- .2904	+ .6199	+ .0097	+ 5.01	+ .2490	+ .0790
2143.03	+ 89.93	+ .00	+ .5604	+ .2690	- .3877	- .6918	- .0039	+ .5604	+ .0004	- .2683	+ .5611	+ .0125	+ 5.01	+ .2492	+ .0770
2143.04	+ 94.99	+ .00	+ .5211	+ .1743	- .3528	- .6770	- .0045	+ .5211	+ .0002	- .2187	+ .5037	+ .0148	+ 5.01	+ .2480	+ .0713
2143.05	+100.02	+ .00	+ .4725	+ .0618	- .3066	- .6489	- .0039	+ .4725	+ .0002	- .1429	+ .4545	+ .0210	+ 5.01	+ .2479	+ .0636
2143.06	+105.05	+ .00	+ .4269	- .0657	- .2622	- .6142	- .0039	+ .4269	- .0002	- .0476	+ .4295	+ .0267	+ 5.01	+ .2478	+ .0520
2143.07	+108.04	+ .00	+ .3949	- .1466	- .2301	- .5827	- .0006	+ .3949	- .0013	+ .0174	+ .4206	+ .0320	+ 5.01	+ .2481	+ .0443
2143.08	+ 79.93	+ .00	+ .6248	.4108	- .4415	- .7066	- .0058	+ .6248	+ .0012	- .2954	+ .6869	+ .0111	+ 5.01	+ .2478	+ .0520

+314300 -00009 -00004 -00025 -00010 +00009 +00009 +00000

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page 1 11-16-62 700536 200144 200501 200080 219080 200010 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2144.02	+ 79.86	+ .00	+ .6268	+ .6846	- .4231	- .6750	- .0064	+ .6268	+ .0027	- .5633	+ .7378	+ .0471	+ 5.01	+ .2487	+ .0636
2144.03	+ 79.91	+180.00	+ .6674	+ .4256	- .4517	- .6768	- .0006	+ .6674	+ .0002	- .3022	+ .7317	+ .0310	+ 5.01	+ .2482	+ .0674
2144.04	+ 74.90	+180.00	+ .6972	+ .4828	- .4717	- .6766	- .0013	+ .6972	- .0000	- .2845	+ .7989	+ .0348	+ 5.01	+ .2485	+ .0674
2144.05	+ 71.91	+180.00	+ .7111	+ .5142	- .4808	- .6761	- .0026	+ .7111	+ .0006	- .2677	+ .8353	+ .0371	+ 5.01	+ .2486	+ .0693
2144.06	+ 69.89	+180.00	+ .7212	+ .5344	- .4873	- .6757	- .0026	+ .7212	+ .0008	- .2537	+ .8609	+ .0387	+ 5.01	+ .2484	+ .0713
2144.07	+ 67.89	+180.00	+ .7291	+ .5522	- .4929	- .6760	- .0026	+ .7291	+ .0008	- .2368	+ .8836	+ .0396	+ 5.01	+ .2486	+ .0713
2144.08	+ 64.89	+180.00	+ .7358	+ .5736	- .4970	- .6755	- .0032	+ .7358	+ .0010	- .2073	+ .9096	+ .0413	+ 5.01	+ .2485	+ .0713
2144.09	+ 62.89	+180.00	+ .7414	+ .5856	- .5006	- .6752	- .0032	+ .7414	+ .0010	- .1834	+ .9267	+ .0422	+ 5.01	+ .2486	+ .0713
2144.10	+ 59.88	+180.00	+ .7443	+ .6041	- .5011	- .6733	- .0039	+ .7443	+ .0015	- .1493	+ .9470	+ .0449	+ 5.01	+ .2487	+ .1194
2144.11	+ 54.89	+180.00	+ .7437	+ .6278	- .4982	- .6699	- .0039	+ .7437	+ .0015	- .0856	+ .9697	+ .0488	+ 5.01	+ .2484	+ .1849
2144.12	+ 52.86	+180.00	+ .7396	+ .6334	- .4953	- .6697	- .0026	+ .7396	+ .0010	- .0586	+ .9720	+ .0492	+ 5.01	+ .2485	+ .1907
2144.13	+ 79.92	+180.00	+ .6731	+ .4273	- .4553	- .6764	+ .0000	+ .6731	- .0008	- .3031	+ .7375	+ .0315	+ 5.01	+ .2474	+ .0790

+314401 -00012 -00005 -00026 -00011 +00010 +00009 +00001

page 1 11-16-62 700536 200145 200501 200080 209080 200011 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2145.01	+ 79.92	+ .00	+ .6779	+ .4327	- .4588	- .6768	- .0045	+ .6779	+ .0013	- .3075	+ .7434	+ .0316	+ 5.01	+ .2480	+ .0732
2145.02	+ 84.90	+ .00	+ .6411	+ .3626	- .4345	- .6777	- .0039	+ .6411	+ .0006	- .3042	+ .6707	+ .0265	+ 5.01	+ .2474	+ .0713
2145.03	+ 89.93	+ .00	+ .6012	+ .2842	- .4006	- .6663	- .0032	+ .6012	+ .0002	- .2836	+ .6018	+ .0284	+ 5.01	+ .2475	+ .0693
2145.04	+ 94.99	+ .00	+ .5569	+ .1848	- .3649	- .6552	- .0038	+ .5569	- .0000	- .2322	+ .5389	+ .0278	+ 5.01	+ .2475	+ .0636
2145.05	+ 99.98	+ .00	+ .5051	+ .0744	- .3199	- .6333	- .0026	+ .5051	- .0002	- .1611	+ .4845	+ .0309	+ 5.01	+ .2474	+ .0539
2145.06	+105.03	+ .00	+ .4526	- .0546	- .2714	- .5996	- .0032	+ .4526	- .0004	- .0648	+ .4513	+ .0357	+ 5.01	+ .2473	+ .0462
2145.07	+108.06	+ .00	+ .4204	- .1367	- .2405	- .5721	- .0026	+ .4204	- .0004	- .0006	+ .4422	+ .0397	+ 5.01	+ .2474	+ .0404
2145.08	+ 79.92	+ .00	+ .6783	+ .4295	- .4588	- .6764	- .0039	+ .6783	+ .0008	- .3041	+ .7433	+ .0316	+ 5.01	+ .2464	+ .0443

+314401 -00012 -00005 -00026 -00011 +00010 +00009 +00001

page 1 11-14-62 700536 200147 200070 200080 217080 200024 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2147.02	+ 79.94	+180.00	+ .3215	+ .3408	- .3162	- .9835	+ .0196	+ .3215	- .0094	- .2795	+ .3761	- .0757	+ .70	+ .3833	+ .0000
2147.03	+ 74.89	+180.00	+ .3064	+ .5127	- .3203	- 1.0454	+ .0042	+ .3064	- .0022	- .4150	+ .4294	- .0800	+ .70	+ .3833	+ .0000
2147.04	+ 71.95	+180.00	+ .4042	+ .3405	- .3131	- .7746	+ .0110	+ .4042	- .0057	- .1986	+ .4898	- .0159	+ .70	+ .3837	+ .0000
2147.05	+ 69.98	+180.00	+ .4505	+ .1332	- .3374	- .7489	+ .0099	+ .4505	- .0063	+ .0289	+ .4690	- .0206	+ .70	+ .3840	+ .0000
2147.06	+ 64.99	+180.00	+ .5203	+ .0581	- .3825	- .7352	+ .0086	+ .5203	- .0045	+ .1674	+ .4961	- .0223	+ .70	+ .3840	+ .0000
2147.07	+ 79.93	+180.00	+ .3227	+ .3410	- .3166	- .9811	+ .0201	+ .3227	- .0101	- .2792	+ .3775	- .0752	+ .70	+ .3830	+ .0000
2147.08	+ 80.00	+ .00	- .0012	- .0042	- .0029	+ 2.4167	+ .0050	- .0012	- .0030	+ .0038	- .0019	- .0039	+ .70	+ .3512	+ .0000

+314701 -00002 +00000 +00001 +00002 -00001 +00003 -00001

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page 1 11-14-62 700536 200148 200070 200080 217080 200024 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2148.02	+ 79.91	+ .00	+ .3038	+ .4491	- .3026	- .9961	+ .0165	+ .3038	- .0080	- .3890	+ .3777	- .0678	+ .70	+ .3829	+ .0000
2148.03	+ 79.93	+180.00	+ .3209	+ .3382	- .3144	- .9797	+ .0170	+ .3209	- .0075	- .2768	+ .3752	- .0744	+ .70	+ .3837	+ .0000
2148.04	+ 74.89	+180.00	+ .3071	+ .5062	- .3193	- 1.0397	+ .0042	+ .3071	- .0017	- .4086	+ .4284	- .0789	+ .70	+ .3837	+ .0000
2148.05	+ 71.93	+180.00	+ .4026	+ .3438	- .3103	- .7707	+ .0039	+ .4026	- .0015	- .2018	+ .4894	- .0139	+ .70	+ .3844	+ .0002
2148.06	+ 69.97	+180.00	+ .4920	+ .0727	- .3609	- .7335	+ .0102	+ .4920	- .0046	+ .1001	+ .4870	- .0193	+ .70	+ .3829	+ .0000
2148.07	+ 65.00	+180.00	+ .5185	+ .0586	- .3808	- .7344	+ .0060	+ .5185	- .0026	+ .1662	+ .4948	- .0218	+ .70	+ .3844	+ .0000
2148.08	+ 79.93	+180.00	+ .3220	+ .3408	- .3147	- .9773	+ .0175	+ .3220	- .0077	- .2792	+ .3766	- .0738	+ .70	+ .3833	+ .0000

+314801 -00004 +00003 +00012 -00001 -00001 +00003 +00000

page 1 11-16-62 700536 200149 200070 200080 207080 200060 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2149.01	+ 79.90	+ .00	+ .3027	+ .4540	- .3058	- 1.0102	+ .0204	+ .3027	- .0102	- .3938	+ .3776	- .0715	+ .70	+ .3816	+ .1926
2149.02	+ 84.96	+ .00	+ .3082	+ .2742	- .2876	- .9332	+ .0068	+ .3082	- .0034	- .2461	+ .3311	- .0601	+ .70	+ .3826	+ .1926
2149.03	+ 89.96	+ .00	+ .3173	+ .1821	- .2709	- .8538	+ .0104	+ .3173	- .0057	- .1819	+ .317[illegible]	- .0426	+ .70	+ .3826	+ .1926
2149.04	+ 95.01	+ .00	+ .3235	+ .0994	- .2510	- .7759	+ .0057	+ .3235	- .0036	- .1273	+ .3136	- .0233	+ .70	+ .3826	+ .1926
2149.05	+100.01	+ .00	+ .3303	+ .0047	- .2336	- .7072	- .0060	+ .3303	+ .0021	- .0621	+ .3246	- .0068	+ .70	+ .3816	+ .1926
2149.06	+105.06	+ .00	+ .3139	- .1286	- .2044	- .6512	- .0125	+ .3139	+ .0047	+ .0425	+ .3366	+ .0032	+ .70	+ .3816	+ .1926
2149.07	+ 79.91	+ .00	+ .3035	+ .4517	- .3059	- 1.0079	+ .0240	+ .3035	- .0118	- .3914	+ .3778	- .0712	+ .70	+ .3816	+ .1926
2149.08	+ 79.91	+ .00	+ .3032	+ .4496	- .3057	- 1.0082	+ .0227	+ .3032	- .0105	- .3896	+ .3773	- .0713	+ .70	+ .3816	+ .1926

+311802 +00000 -00002 -00003 +00001 -00001 +00002 -00001

page 1 11-14-62 700536 200150 200070 200080 211080 200004 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2150.02	+ 79.91	+ .00	+ .3824	+ .4494	- .3124	- .8169	+ .0104	+ .3824	- .0044	- .3754	+ .4552	- .0237	+ .70	+ .3840	+ .0000
2150.03	+ 79.94	+180.00	+ .3971	+ .3671	- .3287	- .8278	+ .0146	+ .3971	- .0069	- .2922	+ .4551	- .0347	+ .70	+ .3837	+ .0000
2150.04	+ 74.88	+180.00	+ .3856	+ .4653	- .3107	- .8058	+ .0005	+ .3856	+ .0007	- .3485	+ .4935	- .0189	+ .70	+ .3830	+ .0000
2150.05	+ 71.89	+180.00	+ .3851	+ .4939	- .3088	- .8019	+ .0021	+ .3851	- .0003	- .3496	+ .5195	- .0156	+ .70	+ .3826	+ .0000
2150.06	+ 69.91	+180.00	+ .3911	+ .4702	- .3119	- .7975	- .0034	+ .3911	+ .0018	- .3071	+ .5289	- .0160	+ .70	+ .3826	+ .0000
2150.07	+ 64.98	+180.00	+ .4729	+ .1843	- .3505	- .7412	+ .0042	+ .4729	- .0015	+ .0331	+ .5065	- .0154	+ .70	+ .3830	+ .0000
2150.08	+ 79.94	+180.00	+ .3973	+ .3673	- .3226	- .8120	+ .0172	+ .3973	- .0073	- .2922	+ .4554	- .0286	+ .70	+ .3830	+ .0000
2150.09	+ 79.94	+180.00	+ .3962	+ .3646	- .3262	- .8233	+ .0201	+ .3962	- .0087	- .2899	+ .4539	- .0330	+ .70	+ .3813	+ .0000
2150.10	+ 79.93	+180.00	+ .3940	+ .3713	- .3273	- .8307	+ .0180	+ .3940	- .0089	- .2967	+ .4530	- .0353	+ .70	+ .3816	+ .1926

+315001 -00004 +00004 +00012 -00001 -00001 +00005 -00001

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page 1 11-14-62 700536 200151 200070 200080 201080 200005 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2151.01	+ 79.94	+ .00	+ .3970	+ .3591	- .3233	- .8144	+ .0123	+ .3970	- .0054	- .2842	+ .4536	- .0299	+ .70	+ .3802	+ .1926
2151.02	+ 84.92	+ .00	+ .3541	+ .3105	- .3318	- .9370	+ .0005	+ .3541	+ .0000	- .2779	+ .3802	- .0707	+ .70	+ .3816	+ .1926
2151.03	+ 89.96	+ .00	+ .3559	+ .2171	- .3217	- .9039	- .0010	+ .3559	+ .0008	- .2168	+ .3562	- .0648	+ .70	+ .3816	+ .1926
2151.04	+ 94.97	+ .00	+ .3531	+ .1173	- .2978	- .8434	- .0029	+ .3531	+ .0017	- .1473	+ .3416	- .0488	+ .70	+ .3813	+ .1926
2151.05	+ 99.99	+ .00	+ .3421	+ .0183	- .2656	- .7764	+ .0010	+ .3421	- .0012	- .0773	+ .3338	- .0299	+ .70	+ .3802	+ .1926
2151.06	+105.01	+ .00	+ .3238	- .1007	- .2291	- .7075	+ .0010	+ .3238	- .0011	+ .0133	+ .3389	- .0130	+ .70	+ .3806	+ .1926
2151.07	+ 79.94	+ .00	+ .4017	+ .3672	- .3268	- .8135	+ .0204	+ .4017	- .0093	- .2915	+ .4597	- .0297	+ .70	+ .3802	+ .1926
2151.08	+ 79.94	+ .00	+ .4013	+ .3534	- .3282	- .8178	+ .0152	+ .4013	- .0066	- .2779	+ .4569	- .0322	+ .70	+ .3799	+ .1926

+315001 -00004 +00004 +00012 -00001 -00001 +00005 -00001

page 1 11-16-62 700536 200152 200070 200140 217140 200061 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2152.02	+140.08	+ .00	+ .1381	- .7957	- .0001	- .0007	- .0098	+ .1381	+ .0032	+ .4048	+ .6988	+ .0476	+ .70	+ .5219	+ .0000
2152.03	+140.12	+180.00	+ .0568	- .8647	+ .0498	+ .8768	- .0115	+ .0568	+ .0035	+ .5107	+ .7001	+ .0377	+ .70	+ .3833	+ .0000
2152.04	+135.08	+180.00	+ .0744	- .7807	+ .0394	+ .5296	- .0062	+ .0744	+ .0016	+ .4986	+ .6052	+ .0443	+ .70	+ .3840	+ .0000
2152.05	+130.10	+180.00	+ .0962	- .6798	+ .0180	+ .1871	+ .0042	+ .0962	- .0014	+ .4581	+ .5114	+ .0438	+ .70	+ .3840	+ .0000
2152.06	+125.09	+180.00	+ .1259	- .5904	- .0096	- .0763	- .0161	+ .1259	+ .0054	+ .4106	+ .4423	+ .0419	+ .70	+ .3837	+ .0000
2152.07	+122.06	+180.00	+ .1483	- .5174	- .0319	- .2151	- .0319	+ .1483	+ .0101	+ .3597	+ .4002	+ .0393	+ .70	+ .3844	+ .0000
2152.08	+140.11	+180.00	+ .0546	- .8605	+ .0511	+ .9359	- .0081	+ .0546	+ .0030	+ .5101	+ .6951	+ .0378	+ .70	+ .3840	+ .1926

+315201 -00010 +00002 +00004 -00001 +00000 +00004 -00001

page 1 11-16-62 700536 200153 200070 200140 207140 200062 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2153.01	+140.11	+ .00	+ .0572	- .8694	+ .0487	+ .8514	- .0115	+ .0572	+ .0033	+ .5137	+ .7037	+ .0367	+ .70	+ .3809	+ .1926
2153.02	+143.11	+ .00	+ .0536	- .8922	+ .0438	+ .8172	- .0005	+ .0536	+ .0003	+ .4928	+ .7458	+ .0279	+ .70	+ .3809	+ .1926
2153.03	+145.12	+ .00	+ .0518	- .9011	+ .0400	+ .7722	- .0029	+ .0518	+ .0003	+ .4728	+ .7690	+ .0224	+ .70	+ .3806	+ .1926
2153.04	+147.12	+ .00	+ .0519	- .9125	+ .0372	+ .7168	- .0068	+ .0519	+ .0017	+ .4518	+ .7943	+ .0189	+ .70	+ .3802	+ .1926
2153.05	+152.12	+ .00	+ .0539	- .9140	+ .0218	+ .4045	- .0055	+ .0539	+ .0015	+ .3797	+ .8331	+ .0049	+ .70	+ .3806	+ .1926
2153.06	+155.13	+ .00	+ .0546	- .9466	+ .0148	+ .2711	- .0044	+ .0546	+ .0008	+ .3485	+ .8817	- .0036	+ .70	+ .3809	+ .1926
2153.07	+160.11	+ .00	+ .0407	- .9886	+ .0136	+ .3342	- .0076	+ .0407	+ .0017	+ .2980	+ .9435	- .0169	+ .70	+ .3816	+ .1926
2153.08	+165.15	+ .00	+ .0281	- 1.0363	+ .0128	+ .4555	- .0036	+ .0281	+ .0017	+ .2383	+ 1.0090	- .0291	+ .70	+ .3823	+ .1926
2153.09	+140.12	+ .00	+ .0526	- .8751	+ .0502	+ .9544	- .0104	+ .0526	+ .0027	+ .5207	+ .7052	+ .0346	+ .70	+ .3817	+ .1926
2153.10	+140.12	+ .00	+ .0570	- .8680	+ .0486	+ .8526	- .0151	+ .0570	+ .0043	+ .5129	+ .7025	+ .0364	+ .70	+ .3817	+ .1926

+315201 -00010 +00002 +00004 -00001 +00000 +00004 -00001

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page 1 11-14-62 700536 200154 200070 200140 211140 200006 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2154.02	+140.11	+ .00	+ .0888	- .8179	+ .0476	+ .5360	- .0060	+ .0888	+ .0017	+ .4563	+ .6844	+ .0603	+ .70	+ .3865	+ .0000
2154.03	+140.13	+180.00	- .0013	- .8929	+ .1039	-79.9231	- .0053	- .0013	+ .0013	+ .5733	+ .6844	+ .0504	+ .70	+ .3822	+ .0000
2154.04	+135.09	+180.00	+ .0534	- .7844	+ .0591	+ 1.1067	- .0074	+ .0534	+ .0018	+ .5160	+ .5933	+ .0495	+ .70	+ .3815	+ .0000
2154.05	+130.08	+180.00	+ .0881	- .6856	+ .0287	+ .3258	- .0050	+ .0881	+ .0017	+ .4679	+ .5089	+ .0486	+ .70	+ .3808	+ .0000
2154.06	+125.07	+180.00	+ .1240	- .5447	- .0032	- .0258	+ .0021	+ .1240	- .0009	+ .3746	+ .4144	+ .0496	+ .70	+ .3819	+ .0000
2154.07	+122.04	+180.00	+ .1521	- .4593	- .0300	- .1972	- .0324	+ .1521	+ .0107	+ .3087	+ .3725	+ .0472	+ .70	+ .3819	+ .0000
2154.08	+140.08	+180.00	+ .0008	- .8878	+ .1023	+27.8750	- .0026	+ .0008	+ .0003	+ .5691	+ .6815	+ .0505	+ .70	+ .3827	+ .0000
2154.09	+140.08	+180.00	- .0005	- .8873	+ .1026	- 5.2000	- .0083	- .0005	+ .0024	+ .5698	+ .6802	+ .0499	+ .70	+ .3827	+ .0000
2154.10	+140.12	+180.00	- .0005	- .8898	+ .1035	- 7.0000	- .0034	- .0005	+ .0010	+ .5709	+ .6826	+ .0507	+ .70	+ .3816	+ .1926

+315401 -00007 +00001 +00004 -00001 +00000 +00008 +00001

page 1 11-16-62 700536 200155 200070 200140 201140 200025 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2155.01	+140.12	+ .00	- .0039	- .8987	+ .1009	-25.8718	+ .0050	- .0039	- .0003	+ .5793	+ .6872	+ .0452	+ .70	+ .3809	+ .0000
2155.02	+143.13	+ .00	- .0403	- .9326	+ .1264	- 3.1365	+ .0076	- .0403	- .0009	+ .5919	+ .7218	+ .0438	+ .70	+ .3802	+ .0000
2155.03	+145.18	+ .00	- .0529	- .9567	+ .1343	- 2.5388	+ .0042	- .0529	+ .0003	+ .5898	+ .7553	+ .0416	+ .70	+ .3802	+ .0000
2155.04	+147.13	+ .00	- .0488	- .9800	+ .1237	- 2.5348	+ .0029	- .0488	+ .0002	+ .5728	+ .7966	+ .0324	+ .70	+ .3795	+ .0000
2155.05	+152.10	+ .00	- .0307	- .9791	+ .0894	- 2.9121	+ .0045	- .0307	+ .0003	+ .4852	+ .8509	+ .0106	+ .70	+ .3798	+ .0000
2155.06	+155.11	+ .00	- .0220	- .9771	+ .0730	- 3.3182	+ .0013	- .0220	+ .0011	+ .4313	+ .8771	+ .0002	+ .70	+ .3802	+ .0000
2155.07	+160.13	+ .00	- .0319	- .9919	+ .0650	- 2.0376	+ .0052	- .0319	+ .0001	+ .3672	+ .9219	- .0154	+ .70	+ .3813	+ .0000
2155.08	+165.11	+ .00	- .0532	- 1.0149	+ .0647	- 1.2162	+ .0031	- .0532	+ .0006	+ .3123	+ .9672	- .0317	+ .70	+ .3820	+ .0000
2155.09	+140.11	+ .00	- .0023	- .8881	+ .0994	-43.2174	+ .0094	- .0023	- .0015	+ .5714	+ .6799	+ .0454	+ .70	+ .3827	+ .0000
2155.10	+140.11	+ .00	- .0065	- .8977	+ .1028	-15.8154	+ .0031	- .0065	+ .0008	+ .5808	+ .6845	+ .0454	+ .70	+ .3820	+ .0002

+313601 -00013 -00005 -00022 -00008 +00006 +00008 -00001

page 1 11-14-62 700536 200156 200070 200040 217040 200022 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2156.02	+ 40.01	+ .00	+ .4311	+ .3158	- .2906	- .6741	+ .0047	+ .4311	- .0011	+ .1270	+ .5189	+ .0236	+ .70	+ .3829	+ .0000
2156.03	+ 40.05	+180.00	+ .5152	+ .2321	- .3493	- .6780	+ .0057	+ .5152	- .0020	+ .2451	+ .5093	+ .0177	+ .70	+ .3869	+ .0000
2156.04	+ 35.03	+180.00	+ .4762	+ .3301	- .3245	- .6814	+ .0000	+ .4762	- .0000	+ .2004	+ .5435	+ .0214	+ .70	+ .3837	+ .0000
2156.05	+ 30.02	+180.00	+ .4257	+ .4087	- .2917	- .6852	- .0008	+ .4257	- .0001	+ .1641	+ .5667	+ .0243	+ .70	+ .3816	+ .0000
2156.06	+ 24.97	+180.00	+ .3678	+ .4993	- .2511	- .6827	+ .0047	+ .3678	- .0008	+ .1226	+ .6078	+ .0306	+ .70	+ .3809	+ .0000
2156.07	+ 21.99	+180.00	+ .3337	+ .5409	- .2273	- .6812	+ .0042	+ .3337	- .0004	+ .1069	+ .6264	+ .0334	+ .70	+ .3820	+ .0000
2156.08	+ 40.04	+180.00	+ .5152	+ .2274	- .3492	- .6778	+ .0047	+ .5152	- .0013	+ .2482	+ .5055	+ .0174	+ .70	+ .3823	+ .0000

+315601 -00002 -00001 +00004 -00002 +00002 +00008 -00001

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page 1 11-14-62 700536 200157 200070 200040 207040 200023 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2157.01	+ 40.04	+ .00	+ .5158	+ .2350	- .3504	- .6793	+ .0031	+ .5158	- .0020	+ .2436	+ .5118	+ .0171	+ .70	+ .3799	+ .0000
2157.02	+ 45.07	+ .00	+ .5594	+ .1920	- .3771	- .6741	+ .0039	+ .5594	- .0020	+ .2593	+ .5317	+ .0178	+ .70	+ .3792	+ .0000
2157.03	+ 50.05	+ .00	+ .5846	+ .0827	- .3879	- .6635	- .0029	+ .5846	- .0005	+ .3120	+ .5012	+ .0178	+ .70	+ .3785	+ .0000
2157.04	+ 55.09	+ .00	+ .6185	+ .0404	- .4096	- .6622	- .0024	+ .6185	- .0003	+ .3207	+ .5303	+ .0168	+ .70	+ .3781	+ .0000
2157.05	+ 60.00	+ .00	+ .4244	+ .4360	- .3187	- .7509	+ .0060	+ .4244	- .0030	- .1655	+ .5857	- .0020	+ .70	+ .3781	+ .0000
2157.06	+ 63.00	+ .00	+ .4164	+ .4408	- .3167	- .7606	+ .0042	+ .4164	- .0018	- .2036	+ .5712	- .0052	+ .70	+ .3785	+ .0000
2157.07	+ 65.01	+ .00	+ .4152	+ .4446	- .3221	- .7758	+ .0055	+ .4152	- .0022	- .2275	+ .5641	- .0112	+ .70	+ .3788	+ .0000
2157.08	+ 40.04	+ .00	+ .5131	+ .2289	- .3486	- .6794	+ .0039	+ .5131	- .0019	+ .2456	+ .5053	+ .0167	+ .70	+ .3813	+ .0000

+300301 -00001 -00001 +00000 +00003 -00001 +00003 +00000

page 1 11-14-62 700536 200158 200070 200040 211040 200002 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2158.02	+ 40.01	+ .00	+ .4283	+ .3070	- .2887	- .6741	+ .0008	+ .4283	+ .0000	+ .1306	+ .5105	+ .0231	+ .70	+ .3847	.0000
2158.03	+ 40.05	+180.00	+ .5124	+ .2251	- .3464	- .6760	+ .0026	+ .5124	- .0007	+ .2473	+ .5020	+ .0182	+ .70	+ .3823	+ .0000
2158.04	+ 35.00	+180.00	+ .4736	+ .3190	- .3229	- .6818	- .0013	+ .4736	+ .0005	+ .2049	+ .5330	+ .0206	+ .70	+ .3816	+ .0000
2158.05	+ 29.99	+180.00	+ .4299	+ .4205	- .2946	- .6853	- .0008	+ .4299	+ .0002	+ .1622	+ .5790	+ .0249	+ .70	+ .3816	+ .0000
2158.06	+ 25.00	+180.00	+ .3665	+ .4917	- .2497	- .6813	+ .0024	+ .3665	- .0001	+ .1244	+ .6005	+ .0306	+ .70	+ .3819	+ .0000
2158.07	+ 21.99	+180.00	+ .3246	+ .5383	- .2198	- .6771	+ .0023	+ .3246	- .0003	+ .0994	+ .6207	+ .0346	+ .70	+ .3816	+ .0000
2158.08	+ 40.05	+180.00	+ .5107	+ .2295	- .3459	- .6773	+ .0018	+ .5107	- .0006	+ .2433	+ .5042	+ .0179	+ .70	+ .3823	+ .1926

+315801 -00003 +00000 +00007 -00002 +00001 +00008 -00001

page 1 11-14-62 700536 200159 200070 200040 201040 200003 200000

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2159.01	+ 40.03	+ .00	+ .5095	+ .2365	- .3457	- .6785	+ .0023	+ .5095	- .0007	+ .2381	+ .5087	+ .0176	+ .70	+ .3827	+ .1926
2159.02	+ 45.08	+ .00	+ .5545	+ .1815	- .3732	- .6730	+ .0031	+ .5545	- .0014	+ .2631	+ .5209	+ .0176	+ .70	+ .3823	+ .1926
2159.03	+ 50.07	+ .00	+ .5831	+ .0836	- .3863	- .6625	- .0068	+ .5831	+ .0018	+ .3102	+ .5008	+ .0185	+ .70	+ .3823	+ .1926
2159.04	+ 55.08	+ .00	+ .5998	+ .0633	- .3989	- .6651	- .0083	+ .5998	+ .0025	+ .2914	+ .5279	+ .0161	+ .70	+ .3823	+ .1926
2159.05	+ 59.98	+ .00	+ .3751	+ .5046	- .2963	- .7899	- .0031	+ .3751	+ .0010	- .2493	+ .5774	- .0093	+ .70	+ .3830	+ .1926
2159.06	+ 62.97	+ .00	+ .3825	+ .4894	- .3047	- .7966	- .0047	+ .3825	+ .0019	- .2620	+ .5631	- .0136	+ .70	+ .3827	+ .1926
2159.07	+ 65.02	+ .00	+ .3903	+ .4845	- .3128	- .8014	- .0023	+ .3903	+ .0010	- .2743	+ .5584	- .0166	+ .70	+ .3827	+ .1926
2159.08	+ 40.03	+ .00	+ .5120	+ .2401	- .3479	- .6795	+ .0008	+ .5120	- .0004	+ .2375	+ .5131	+ .0174	+ .70	+ .3813	+ .1926

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