

QC
Avro
C-105
P/WT/8

QCX
Avro
CF105
P-WT-8

(4)

FILE IN VAULT

C105

P/WIND TUNNEL/8

~~SECRET~~

~~CLASSIFIED~~

C.A.L. TESTS SEPT. 1953.

UNCLASSIFIED / NON CLASSIFIED

DERIVATIVES AND ZERO VALUES

ANALYZED

COPY #3



A. V. ROE CANADA LIMITED
MALTON - ONTARIO

TECHNICAL DEPARTMENT (Aircraft)

AIRCRAFT: C-105

REPORT No. P/Wind Tunnel/8

FILE No.

NO OF SHEETS: _____

TITLE:

C.A.L. TESTS SEPT. 1953

DERIVATIVES & ZERO VALUES

Classification cancelled / changed to: UNCLASSIFIED

By authority of: DRDA 7/DARFT 5-8/DAS Eng 6-4-5

Date: 5 Nov 1992

Signature: B. Aubrey

Unit / Rank / Appointment: DSIS 3, Secretary CRAD HQ DRP

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PREPARED BY

DATE Sept. 1953.

CHECKED BY

DATE

SUPERVISED BY

DATE

APPROVED BY

DATE

ISSUE No.	REVISION No.	REVISED BY	APPROVED BY	DATE	REMARKS

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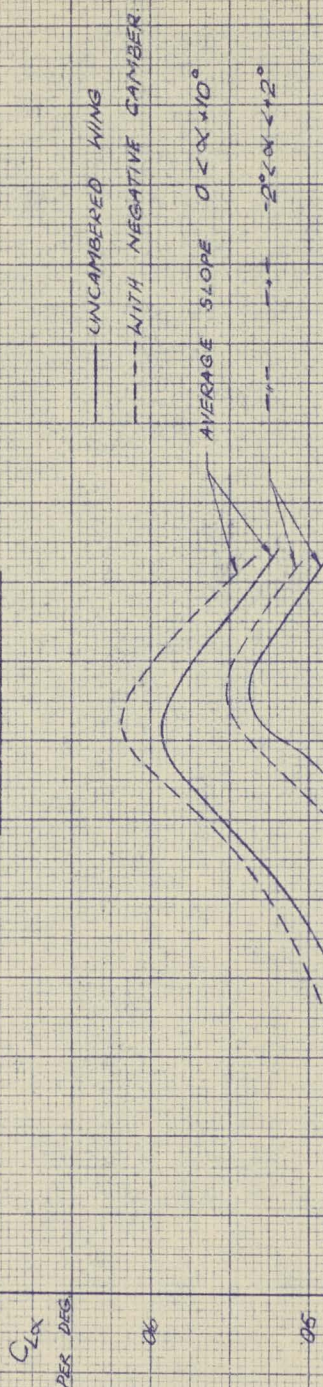
AIRCRAFT C105
A.U.W.

COMPONENT

SHEET No. 1.1.3.
DATE SEPT 10/53.

REPORT No. P/WIND TUNNEL / 8
PREP. BY Knight & Knick

C105
CORNELL W.T. TESTS
C_{Lα} vs. MACH N²



P10
MACH N²

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AIRCRAFT
A. U. W.

COMPONENT

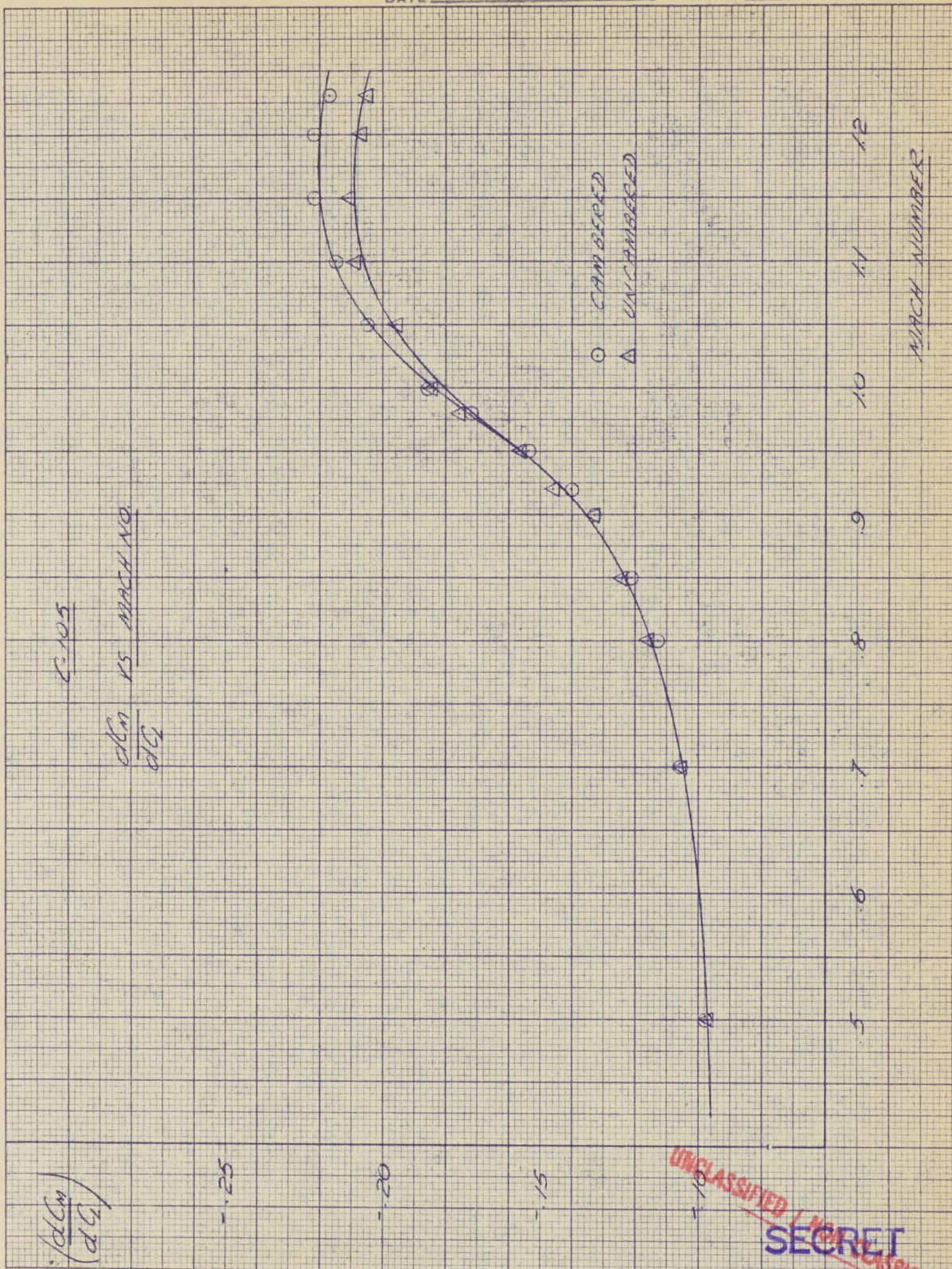
SHEET No. 212

REPORT No. P/W.T./8

DATE SEPT. 53.

PREP. BY CLARK.

359-12 KEUFFEL & ESSER CO.
10 X 10 to the 1/2 inch, 30 lines horizontal,
and 10 X 10



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FORM 1706

AIRCRAFT
A U. W.

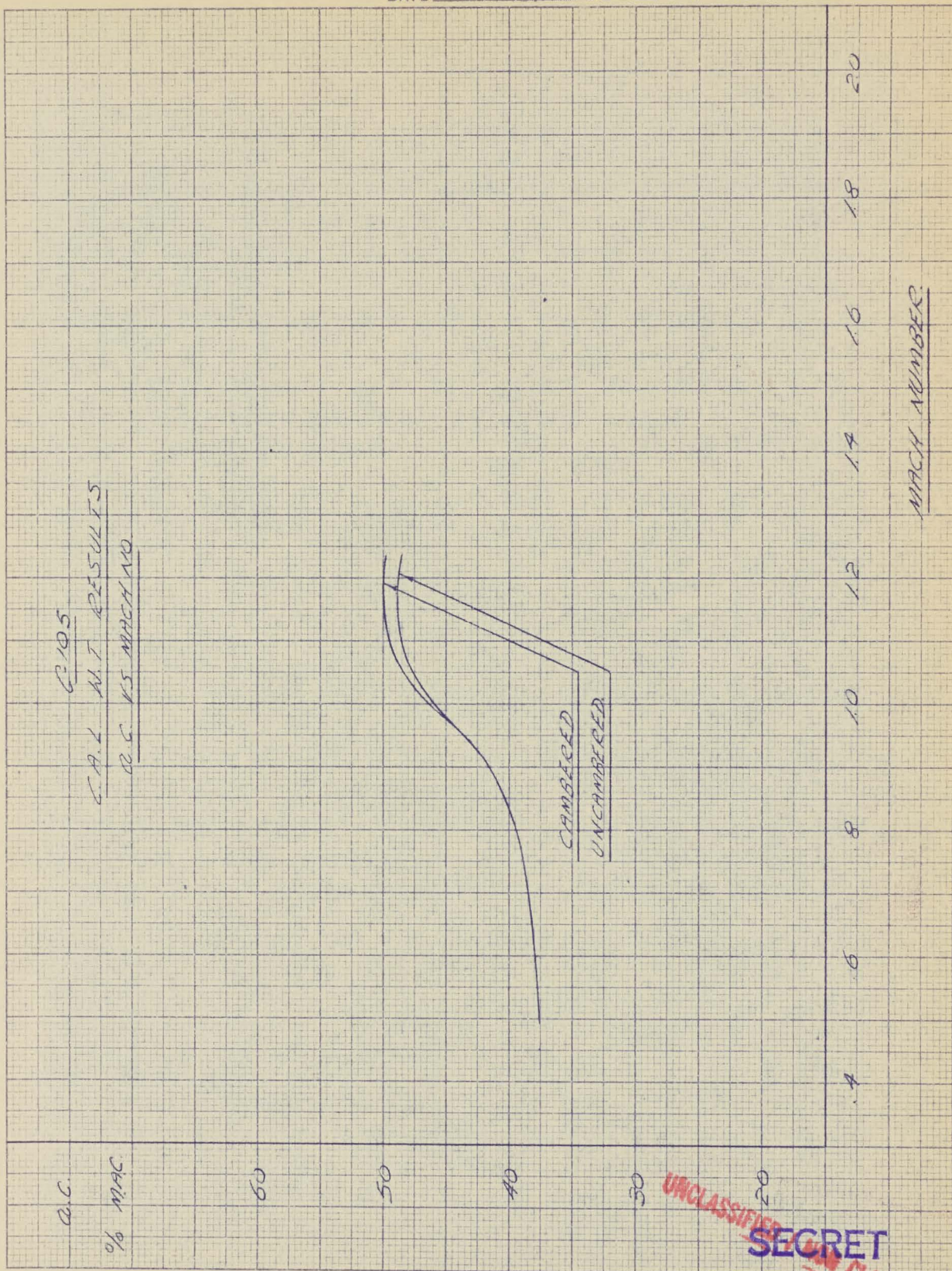
COMPONENT

SHEET No. 2.1.3

REPORT No. P/W.T./8

DATE SEPT. 53.

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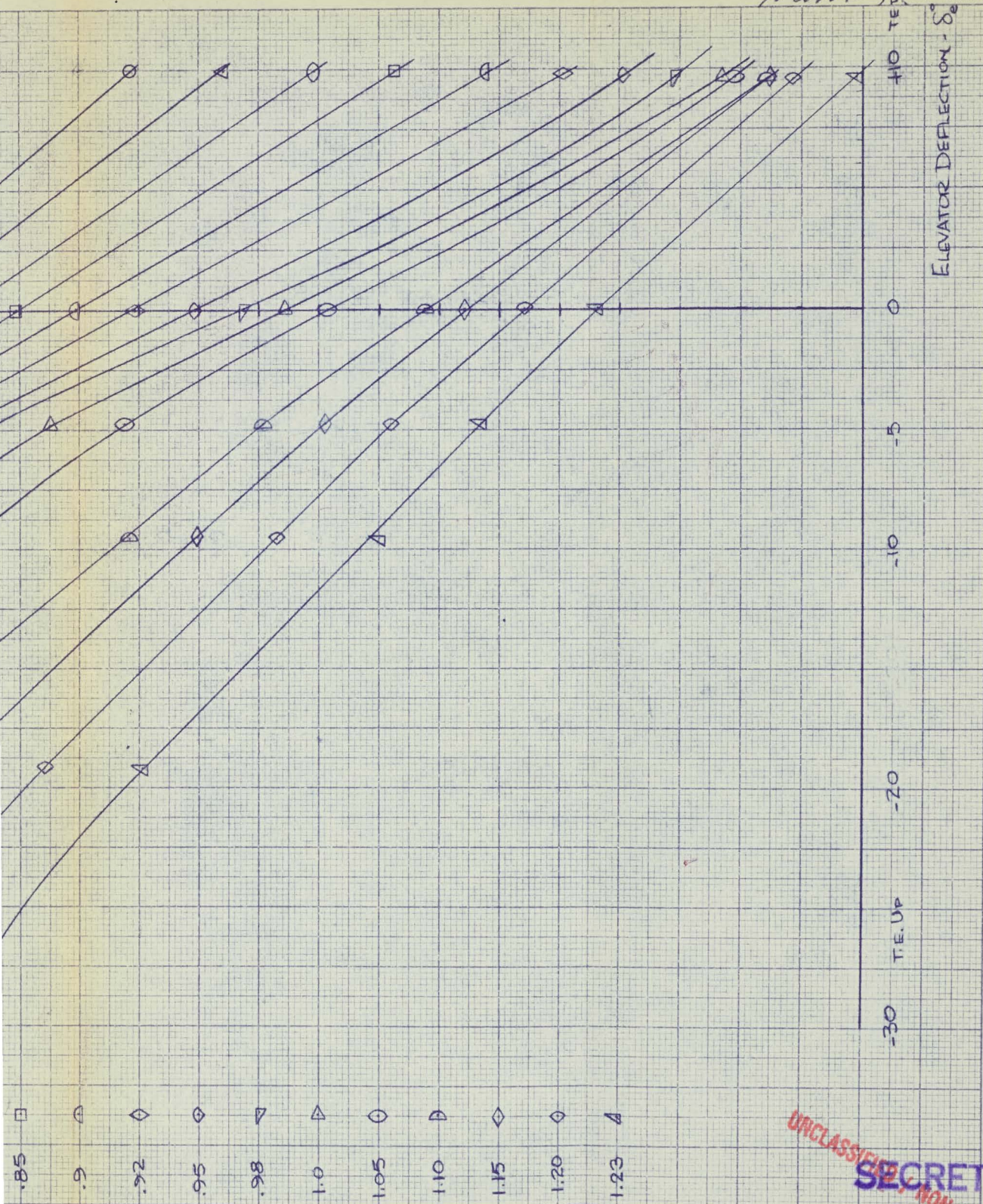


359-12 KEUFFEL & ESSER CO.
10 x 10 1/2 inch grid, air lines included
94 10 1/2 x 14

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Warren

C_m vs δ_0 $\alpha=0$



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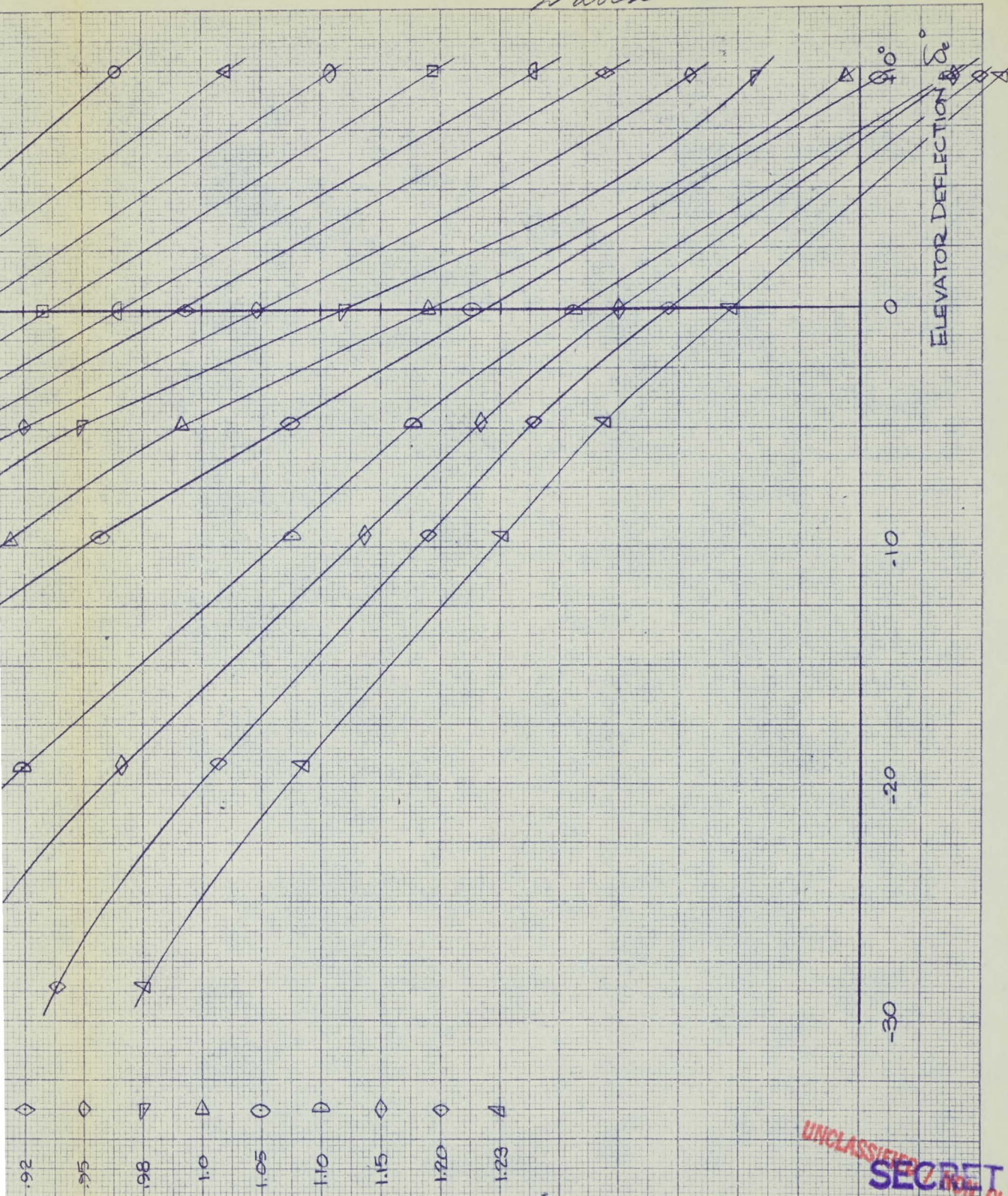
SEPT. 8/53

P/WIND TUNNEL/8

P. 2.2.2

Warren

C_m vs δ_e at $\alpha=4^\circ$

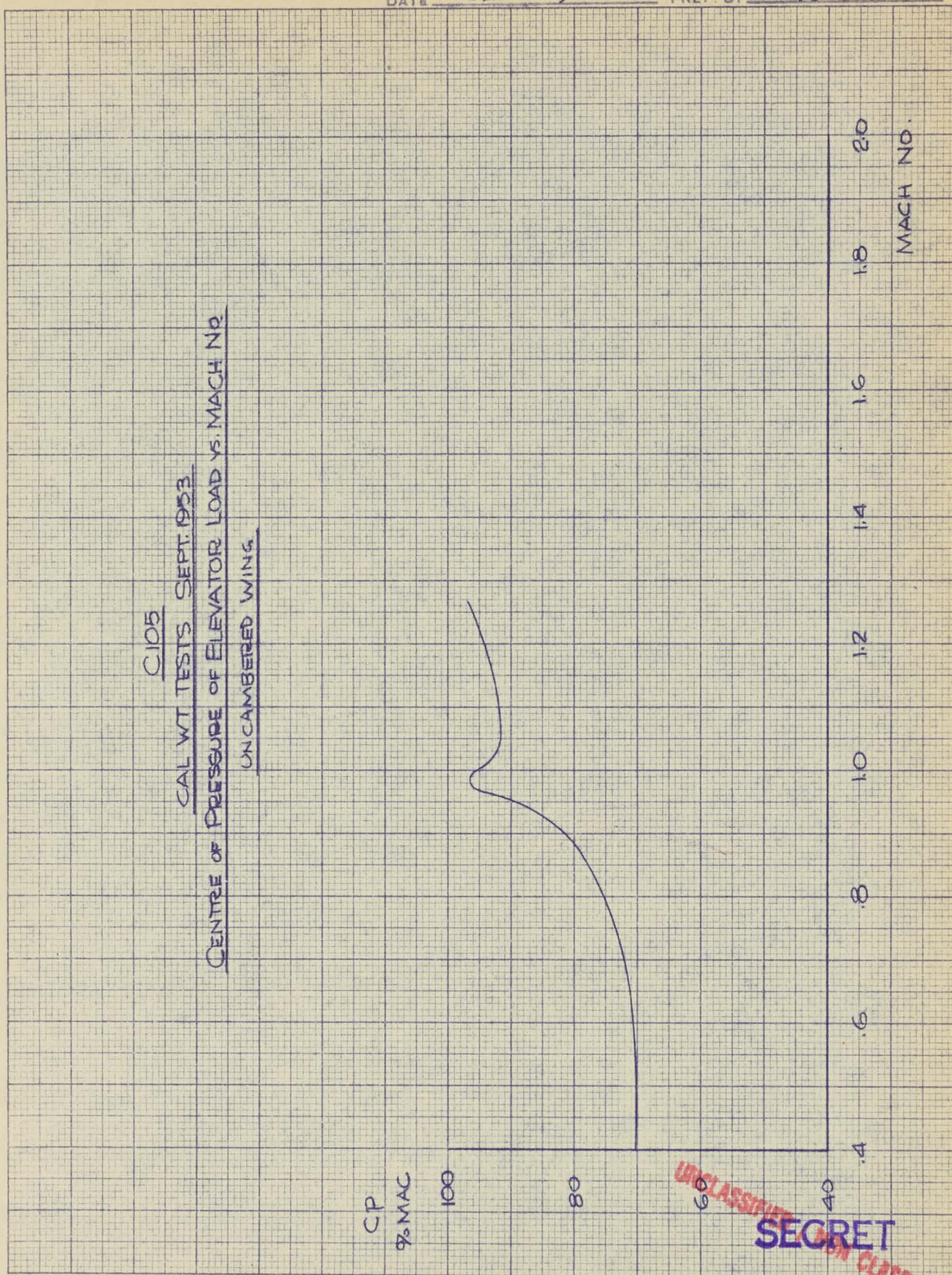


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359-12 KEUFFEL & ESSER CO.
10 x 10 to the 1/2 inch, 5th lines accounted.
MADE IN U.S.A.

SHEET NO. 2.2.6
DATE SEPT. 9, 1953

REPORT NO. P/WIND TUNNEL/8
PREP. BY Warren



SECRET

FOR

AIRCRAFT
A. U. W.

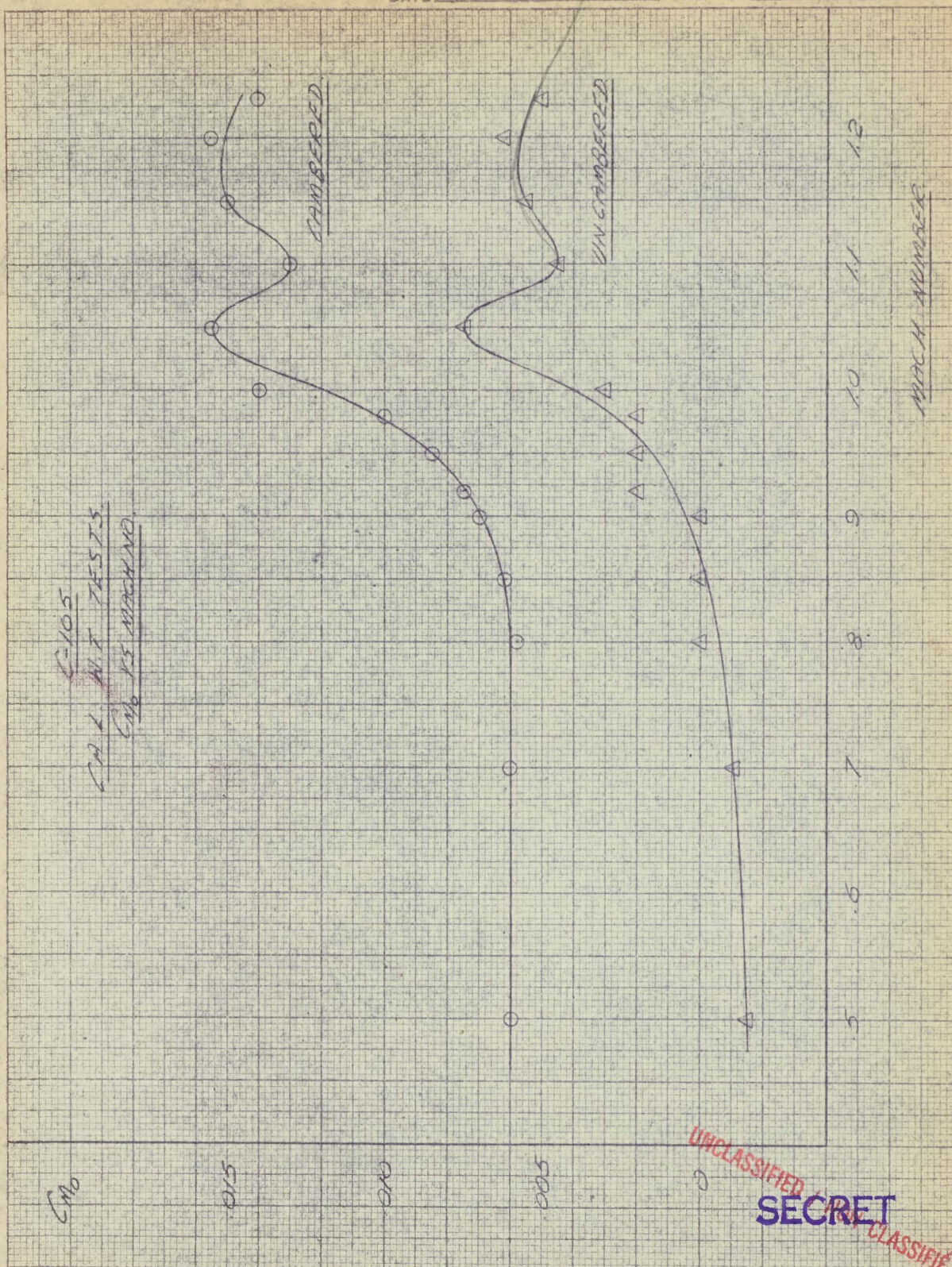
COMPONENT

SHEET No. 231

REPORT No. P/N.T/8

DATE SEPT. 53

PREP. BY CLARK



806-12 KUFFEL & ESSER CO.
10 X 10 to the 1/2 inch, 500 lines per inch.
MADE IN U.S.A.

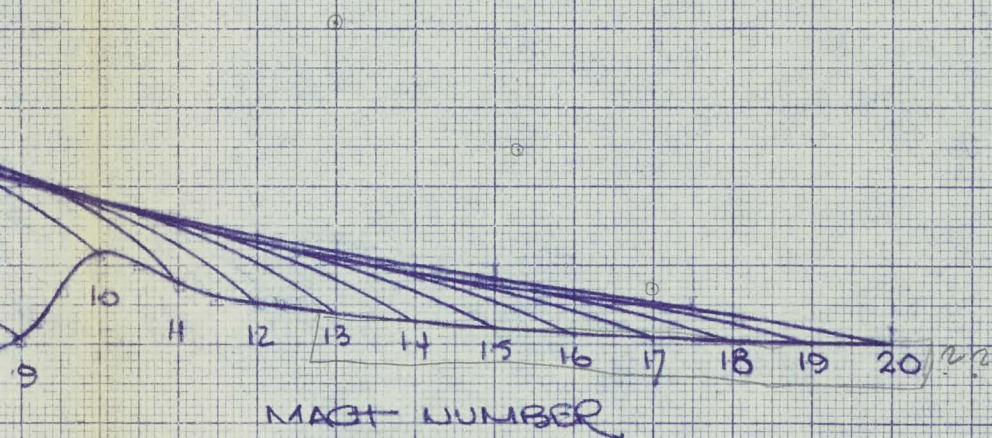
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FORM 1740

C105

ELEVATOR DEFLECTION ON
DRAG COEFFICIENT

UNCORRECTED FOR RARE PRESSURE DRAG

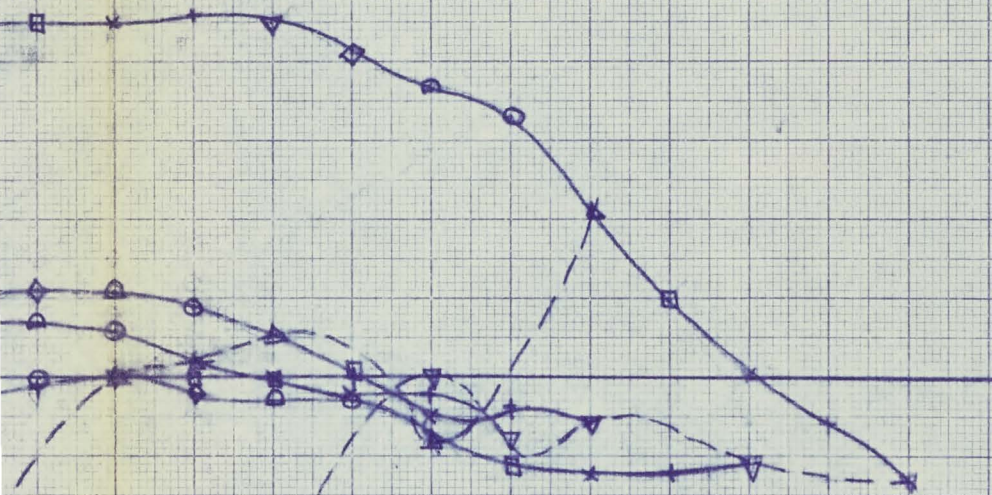


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Ch. Lant

C105

$$\Delta \frac{\partial G}{\partial C^2} \sim 8$$



$\rightarrow \delta \leftarrow$
51°

○ △ □ × + ▽

120 105 110 115 120 123

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SECRET
NON CLASSIFIÉ

