

QC 40
AVRO
C-105
P/WT/20
Vol. IV

QC X
AVRO
CF105
P-WT-20
v.4 (26)

FILE IN VAULT

C-105 ANALYZED P/WIND TUNNEL/20

DERIVATIVES AND ZERO VALUES

VOLUME IV

DRAG DATA 26

Copy No. 2

June 1954.

UNCLASSIFIED



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DATE

Dec. 7, 1992

Report no.: QCX - AVRO - CF105- P-WT-20 v.4

has been ☐ downgraded to : _____

☒ de-classified

by (Name): Michel W. Drapeau

(Dept.): A/DND Coordinator, Access to Information

Date: Dec. 7, 1992

R. Auger
Signature



A. V. ROE CANADA LIMITED
MALTON - ONTARIO

TECHNICAL DEPARTMENT (Aircraft)

UNCLASSIFIED

AIRCRAFT: C-105

REPORT NO. P/WIND TUNNEL/20

FILE NO.

NO OF SHEETS: _____

TITLE:

ANALYZED

DERIVATIVES AND ZERO VALUES

VOLUME IV

DRAG DATA

Confirmed as
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 1, Secretary CRAD HQ DRP



PREPARED BY

DATE

CHECKED BY

DATE

SUPERVISED BY

DATE

APPROVED BY

DATE

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

45117

12416802

TECHNICAL DEPARTMENT (Aircraft)

REPORT NO. P/WIND TUNNEL/20

SHEET NO.

AIRCRAFT:

PREPARED BY

DATE

June 1954.

CHECKED BY

DATE

INDEX

1. Clean Aircraft

1.1 $C_{D_{MIN}} \sim M$ ($\delta = 0$)

1.2 C_L at $C_{D_{MIN}} \sim M$

1.3 $e \sim M$

1.4 Elevator Drag

1.4.1 $C_{D_{MIN}} \sim M$

1.4.2 C_L at $C_{D_{MIN}} \sim M$

1.4.3 $\Delta C_{D_{MIN}} \sim \delta^2$ Carpet

1.4.4 $\frac{\Delta C_{D_{MIN}}}{\delta^2} \sim M$ Carpet

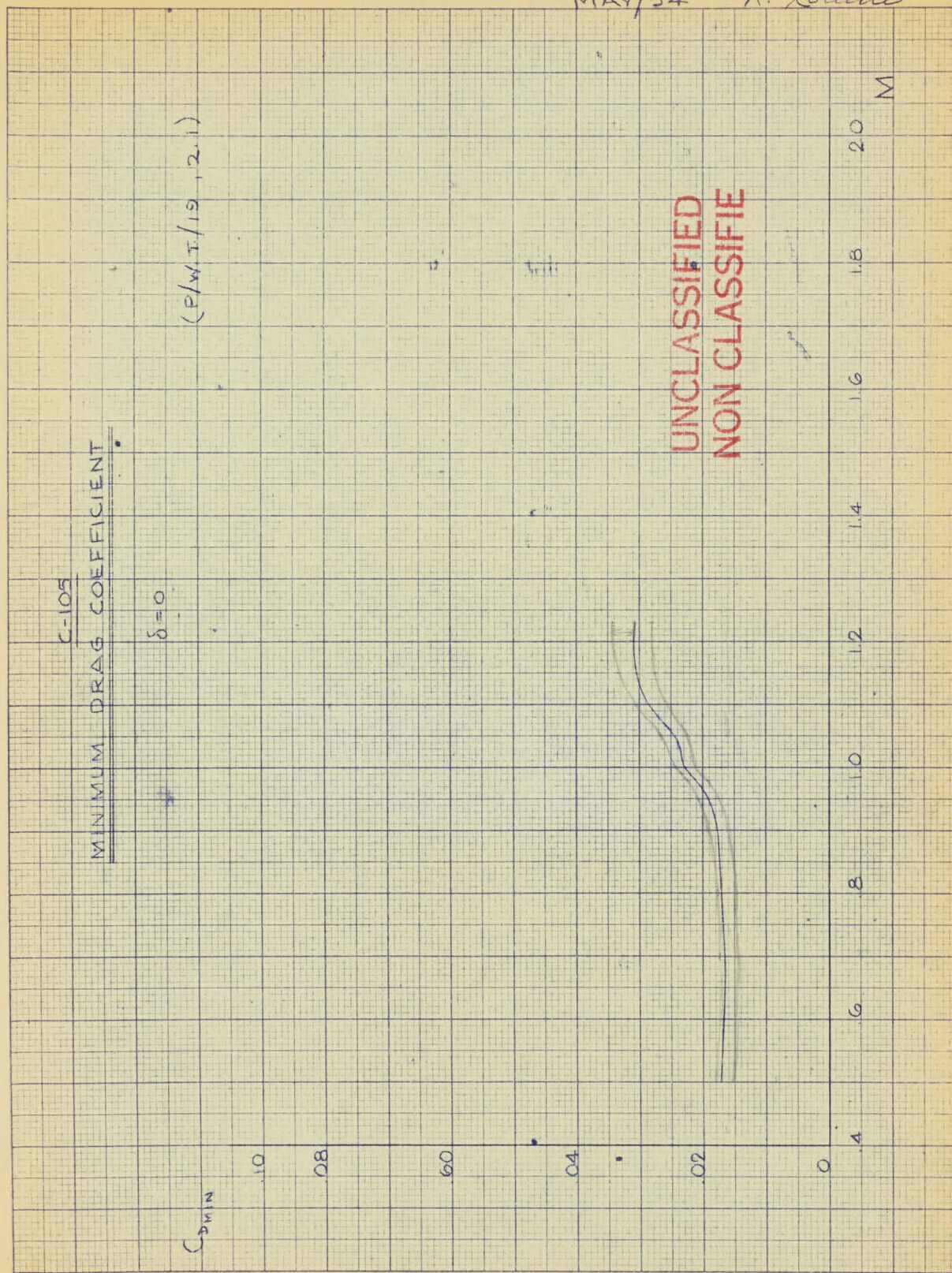
1.4.5 $\frac{\partial C_D}{\partial C_L'^2} \sim \delta$

1.4.6 $\Delta \frac{\partial C_D}{\partial C_L'^2 / \delta} \sim M$

1.4.7 $e \sim M$ (obtained from 1.4.6)

1.1
MAY/54

P/W.T./20
R. Collette



AIRCRAFT C-105 COMPONENT
A. U. W.

SHEET No. 142

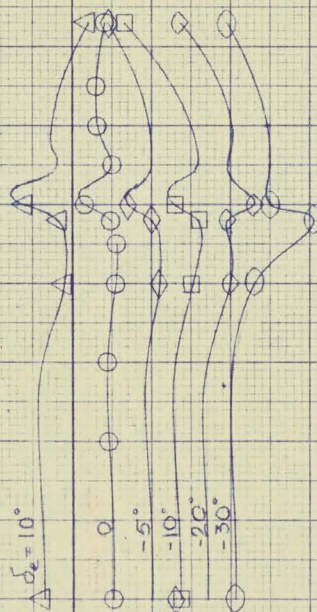
REPORT No. P/W.T./20

DATE MAY/54

PREP BY R. Collette

C-105
 C_L AT $C_{D\text{MIN}}$

(P/W.T./9 2.1-2.7)



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1.4.3
MAY/54

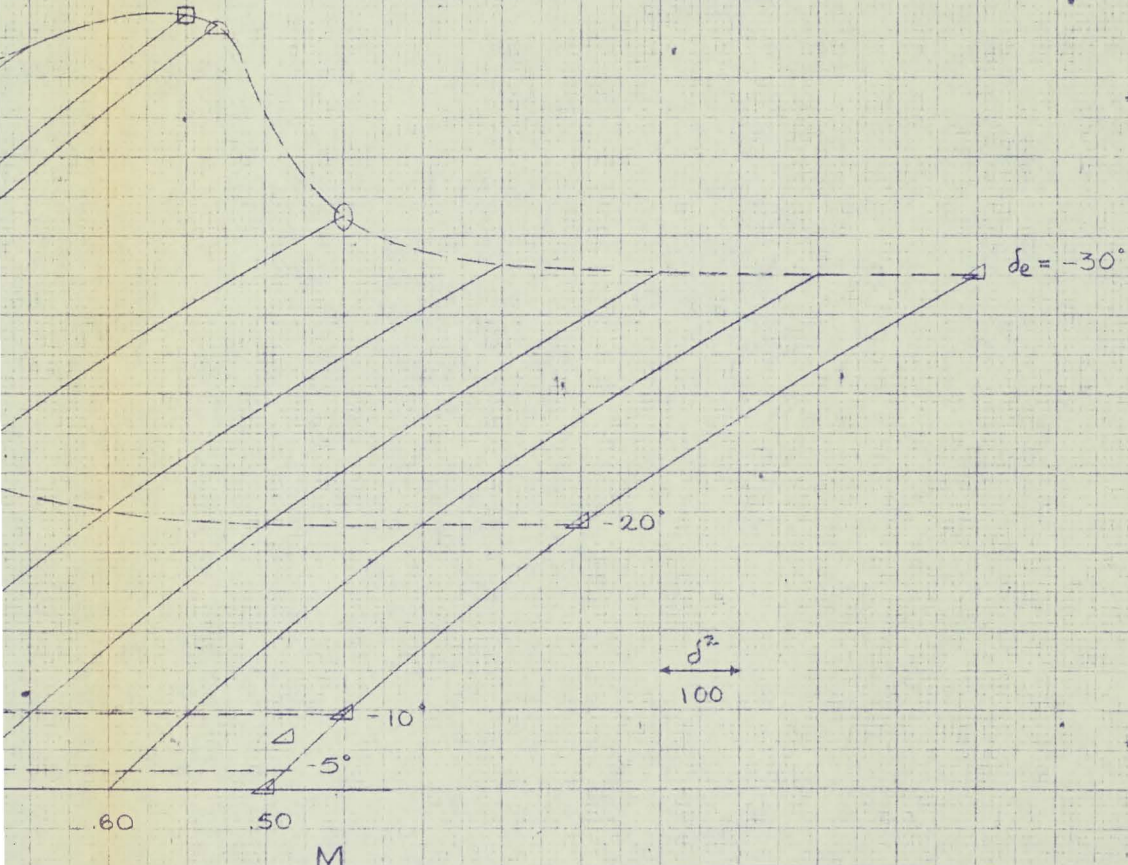
P/W.T./20
R. L. Lette

1.43

105
ATOR DEFLECTION

C_{DMIN}

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AIRCRAFT C-105

COMPONENT

SHEET No. 2.1

REPORT No. P/W.T./20

A. U. W.

DATE JUNE/54

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C-105
MINIMUM DRAG COEFFICIENT
(WITH TANK)

 C_{Dmin}

0.08

0.06

0.04

0.02

0

.4

.6

.8

1.0

1.2

1.4

1.6

1.8

2.0

M

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NON CLASSIFIE

