

QCX
Avro
CF105
P-WT-79

(3)

FILE IN VAULT

C-105

EXT/P/WT/79

EXTRACT FROM P/WIND TUNNEL/79.

ANALYZED

C_M AND C_D VERSUS C_L

E.R. Fish

ANALYZED



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Canada

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10
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DATE

Report no.: QCX-AVRO-CF105- P-WT-79

has been ☐ downgraded to : _____

☒ de-classified

by (Name): Michel W. Drapeau

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

Date: Dec. 7, 1992

R. Drapeau
Signature

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45111

12417638

TECHNICAL DEPARTMENT (Aircraft)

REPORT No. EXT/ P/WT/79

SHEET No. 1

AIRCRAFT:

C-105

.04 SERIES III

TESTS

PREPARED BY

DATE

E. Fish

Sept. 1955

CHECKED BY

DATE

UNCLASSIFIED

EXTRACT FROM P/WIND TUNNEL/79

C_M AND C_D VERSUS C_L

INDEX

1. C_M VS C_L

SHEET

1. $\delta_e = 0^\circ$ 1.1

2. $\delta_e = 10^\circ$ 1.2

3. $\delta_e = -5^\circ$ 1.3

4. $\delta_e = -10^\circ$ 1.4

2. C_D VS C_L

1. $\delta_e = 0^\circ$ 2.1

2. $\delta_e = 10^\circ$ 2.2

3. $\delta_e = -5^\circ$ 2.3

4. $\delta_e = -10^\circ$ 2.4

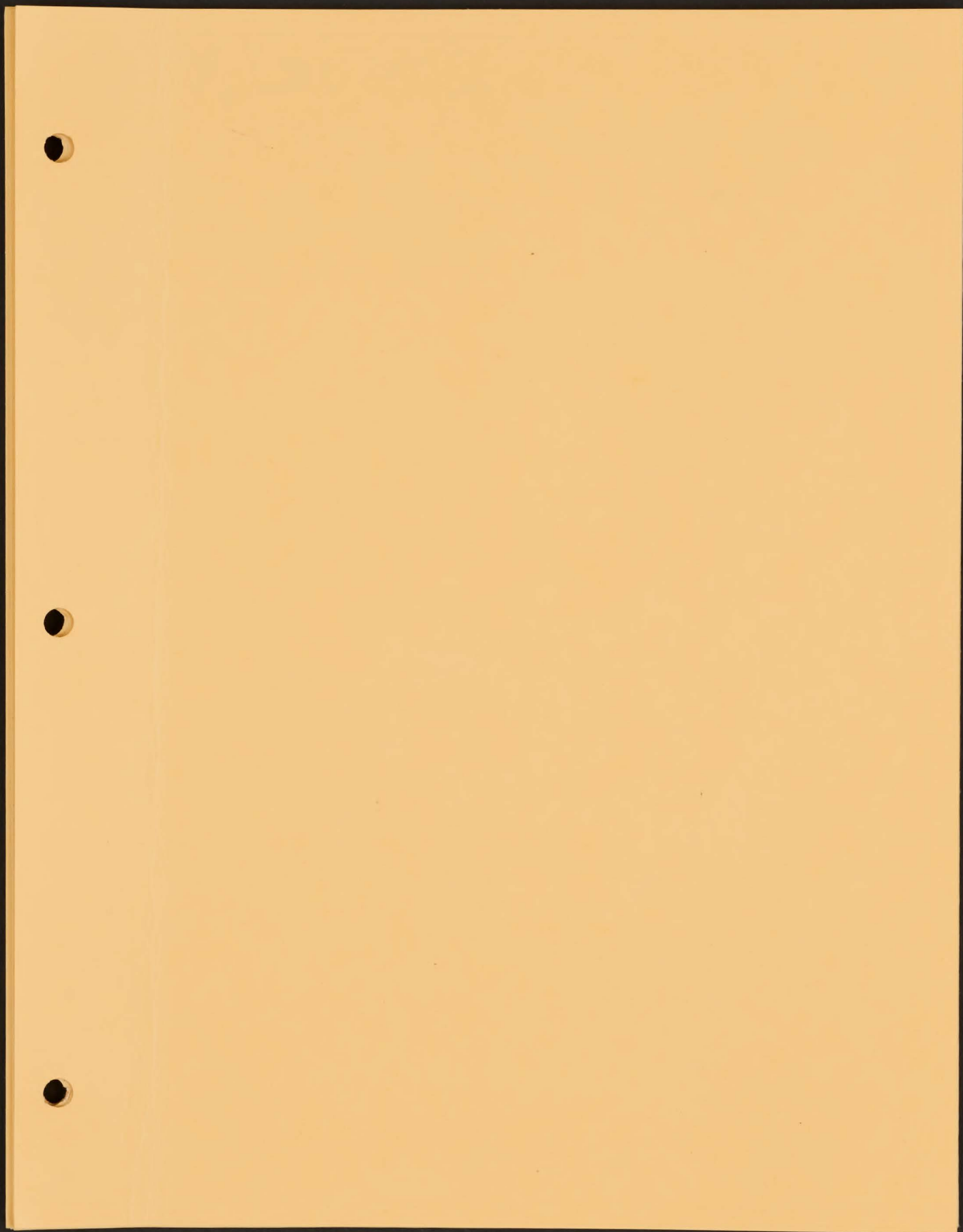
Classification ~~cancelled~~ ^{confirmed as:} changed to: UNCLASSIFIED

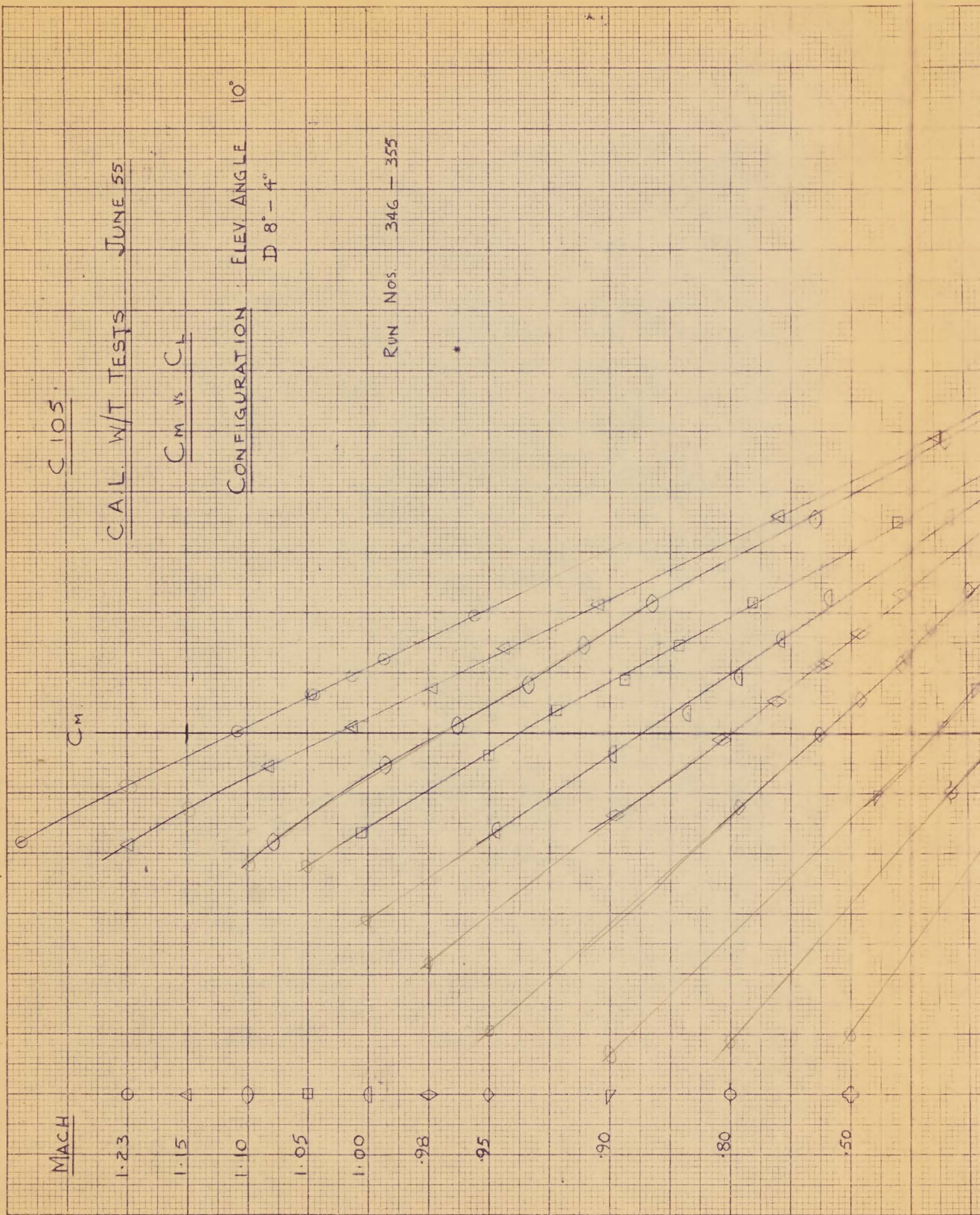
By authority of: DRDA 7/DARFT 5-8/DAS Eng 6-4-5

Date: 5 Nov 1992

Signature: B Aubrey

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

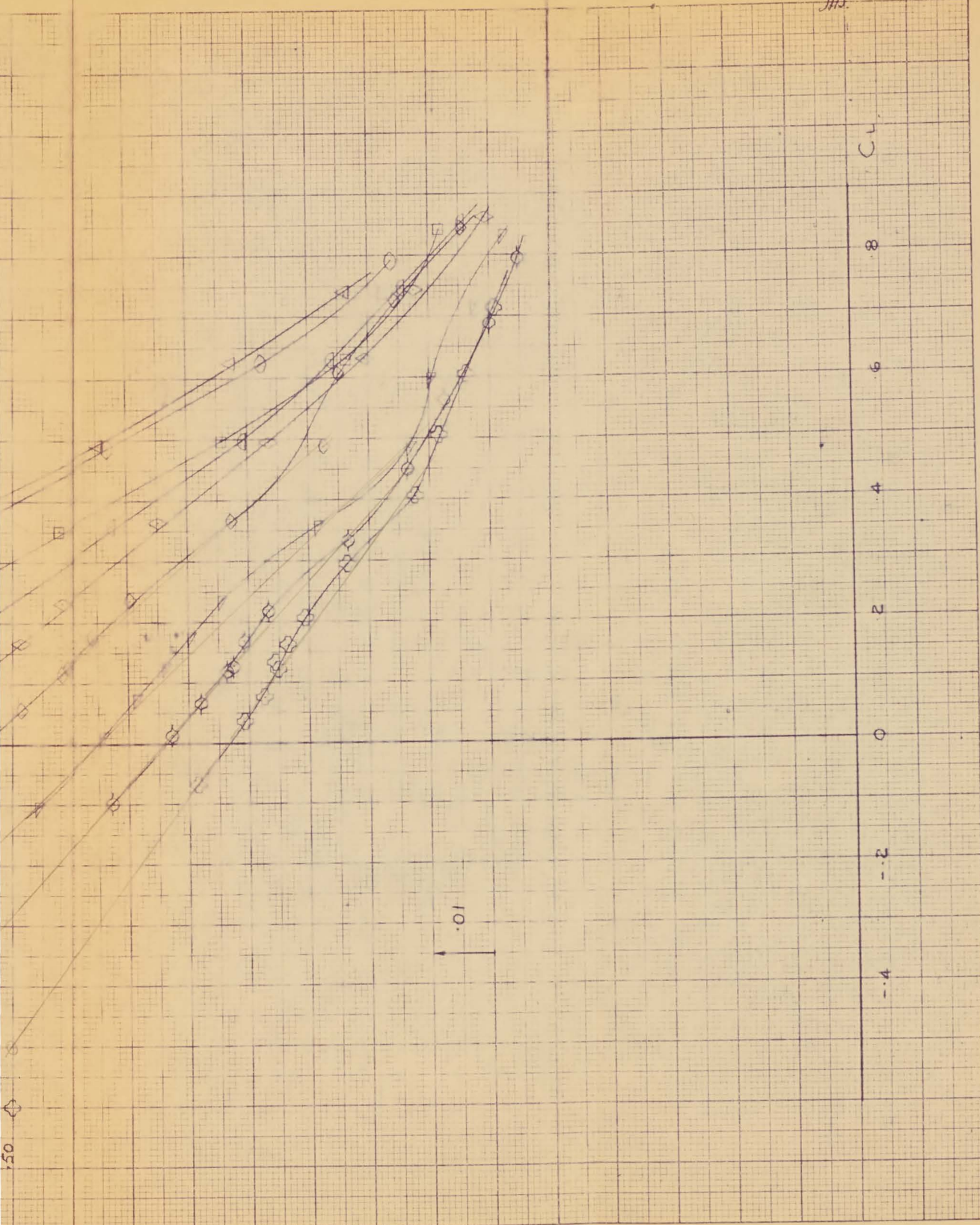




P/WT/79

1.2

913.



UNCLASSIFIED
NON CLASSIFIED

C105

CAL. W/T TESTS JUNE 55

C_m vs C_L

CONFIGURATION ELEV. ANGLE -5°
 D 8°-4'

RUN Nos. 510-519

MACH

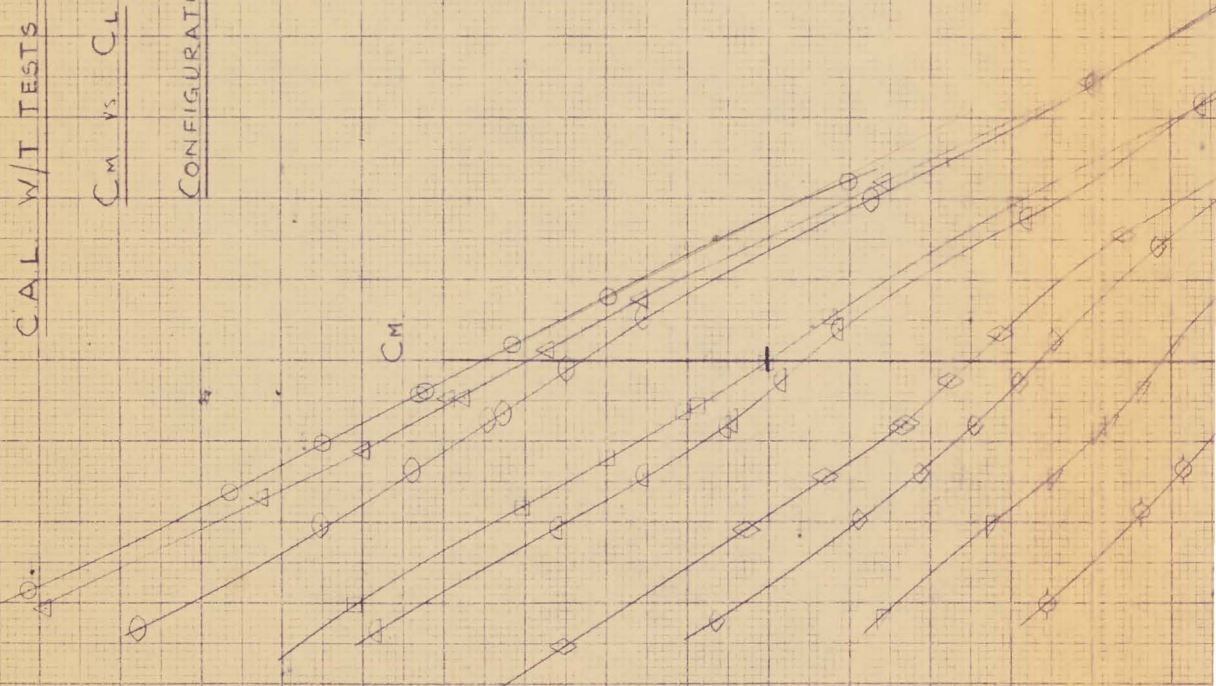
1.23

1.15

1.10

1.05

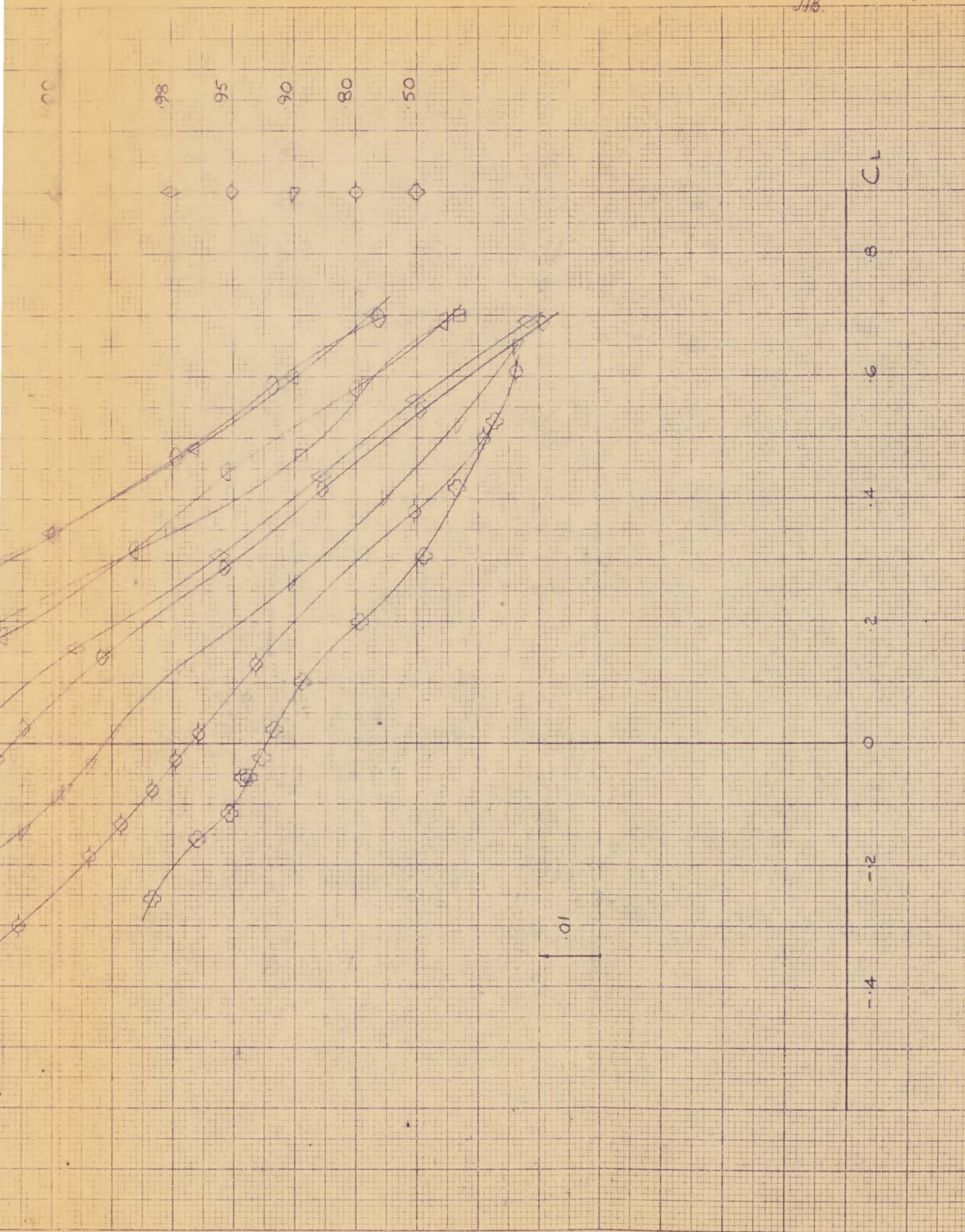
1.00



P/WT/79

318

1.3

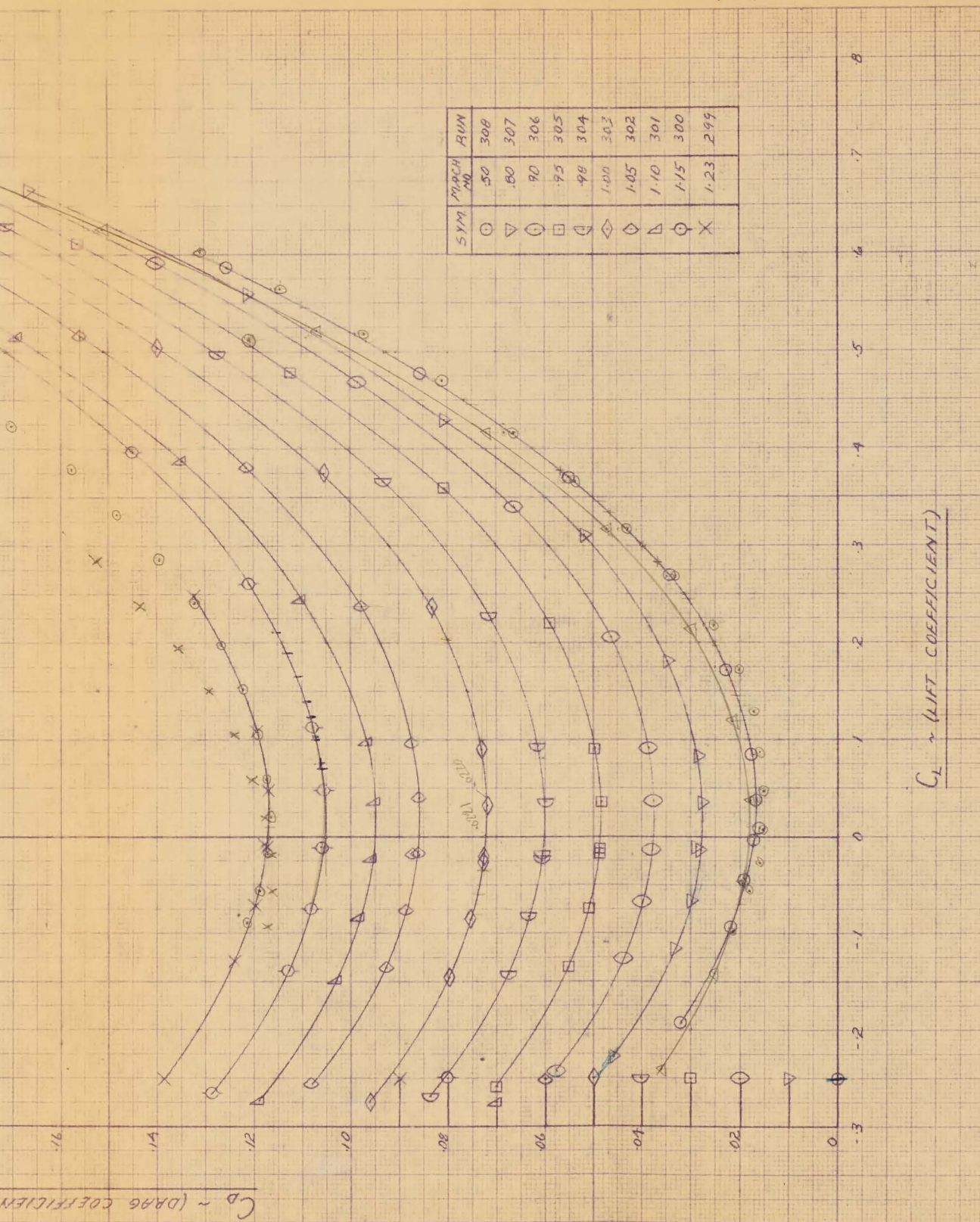


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SHT. ~ 2-1

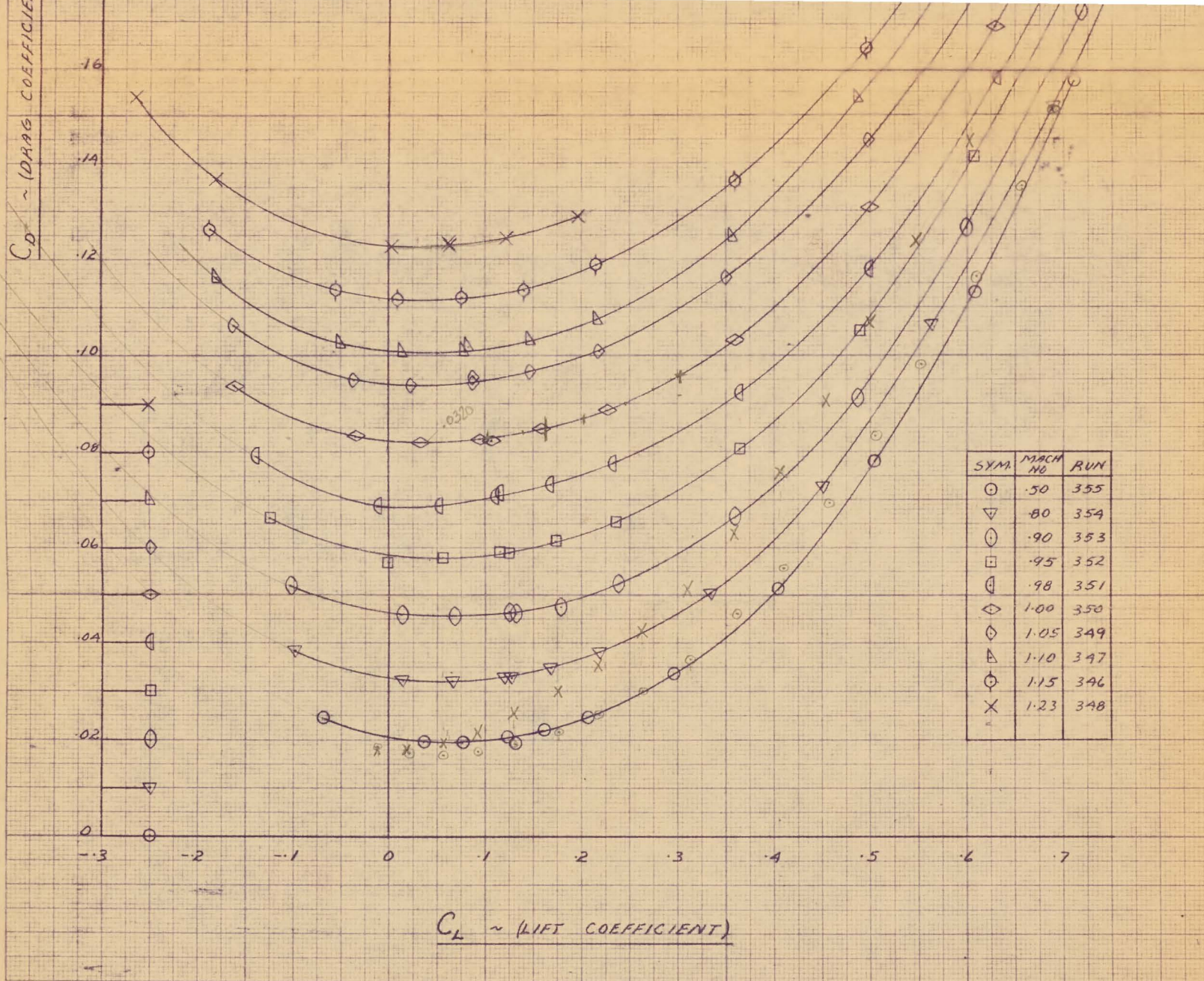
P/WT./79

R. SKULSKY



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1.4 vs $2.68 \times \frac{2}{3} = 1.30$



SH: ~ 2-2

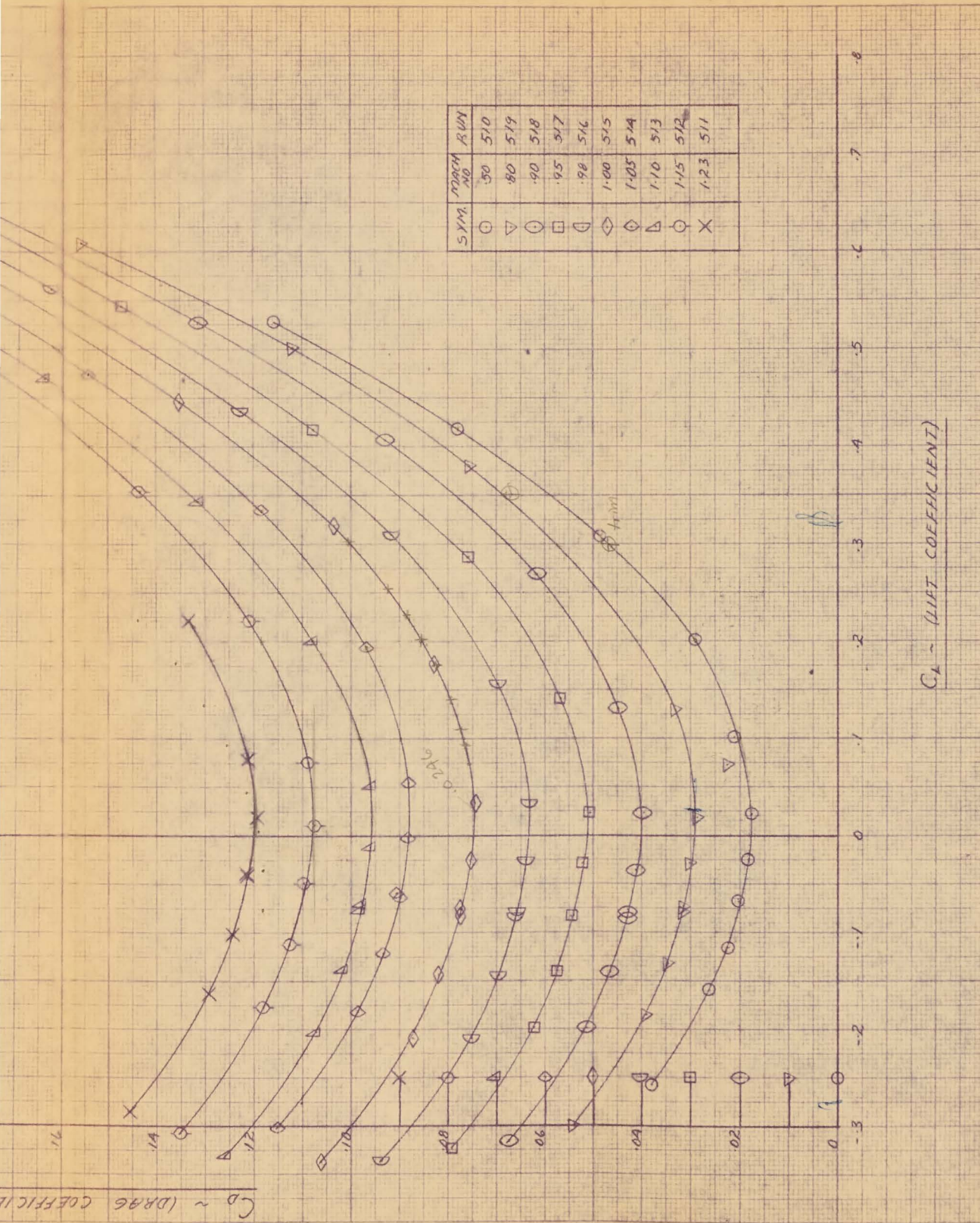
WIND TUNNEL 77
R. SKULSKY

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SHT. ~ 2-3

P/WIND TUNNEL/79

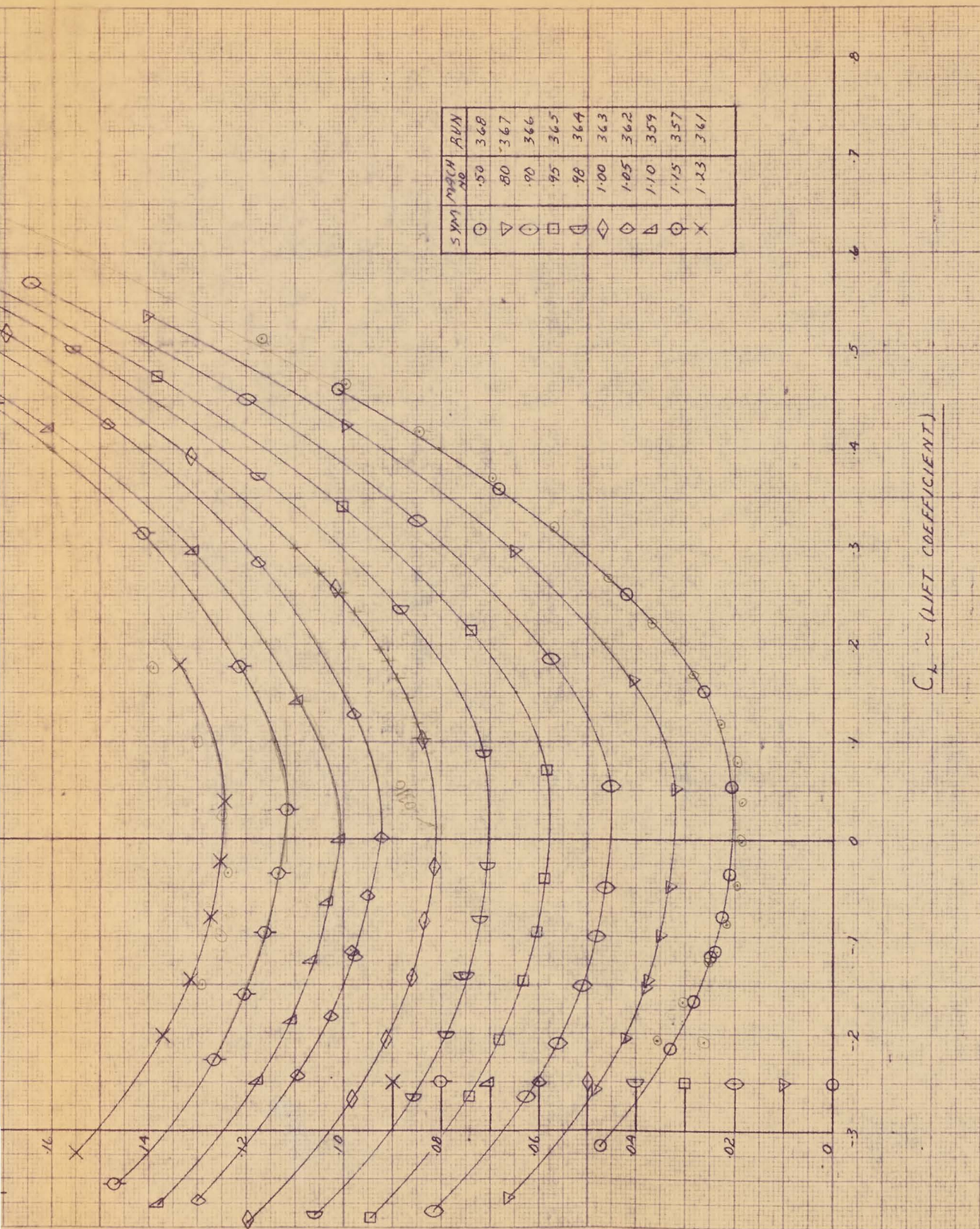
R. SKULSKY



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NON CLASSIFIED

SHT. ~ 2-4

P/WIND TUNNEL/79
R. SHULSKY



$C_L \sim (\text{LIFT COEFFICIENT})$

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