C-105

EXTRACT

from

STABILITY REPORTS

August 1954.

A. V. ROE CANADA LIMITED
MALTON ONTARIO
TECHNICAL DEPARTMENT (Aircraft)

REPORT No
SHEET No

AIRCRAFT: C-105		PREPARED BY	DATE
			August 1954.
		CHECKED BY	DATE

APPENDIX A

EXTRACT
from
A.V. ROE STABILITY REPORTS

1. Yawing Moment due to Sideslip

   1.1 C_{N_β} vs M — $-2^\circ < \beta < +2^\circ$

   1.2 C_{N_β} vs M — $2^\circ < \beta < 8^\circ$

   1.3 C_{N_β} vs α — M = .5

   1.4 C_N vs β — $\alpha = 2^\circ$

2. Rolling Moment due to Sideslip

   2.1 C_{ℓ_β} vs M — $\alpha = 0$

   2.2 C_{ℓ_β} vs M — $\alpha = 2^\circ$

   2.3 C_{ℓ_β} vs M — $\alpha = 6^\circ$

   2.4 C_{ℓ_β} vs α — M = .5

   2.5 C_ℓ vs β — $\alpha = 2^\circ$

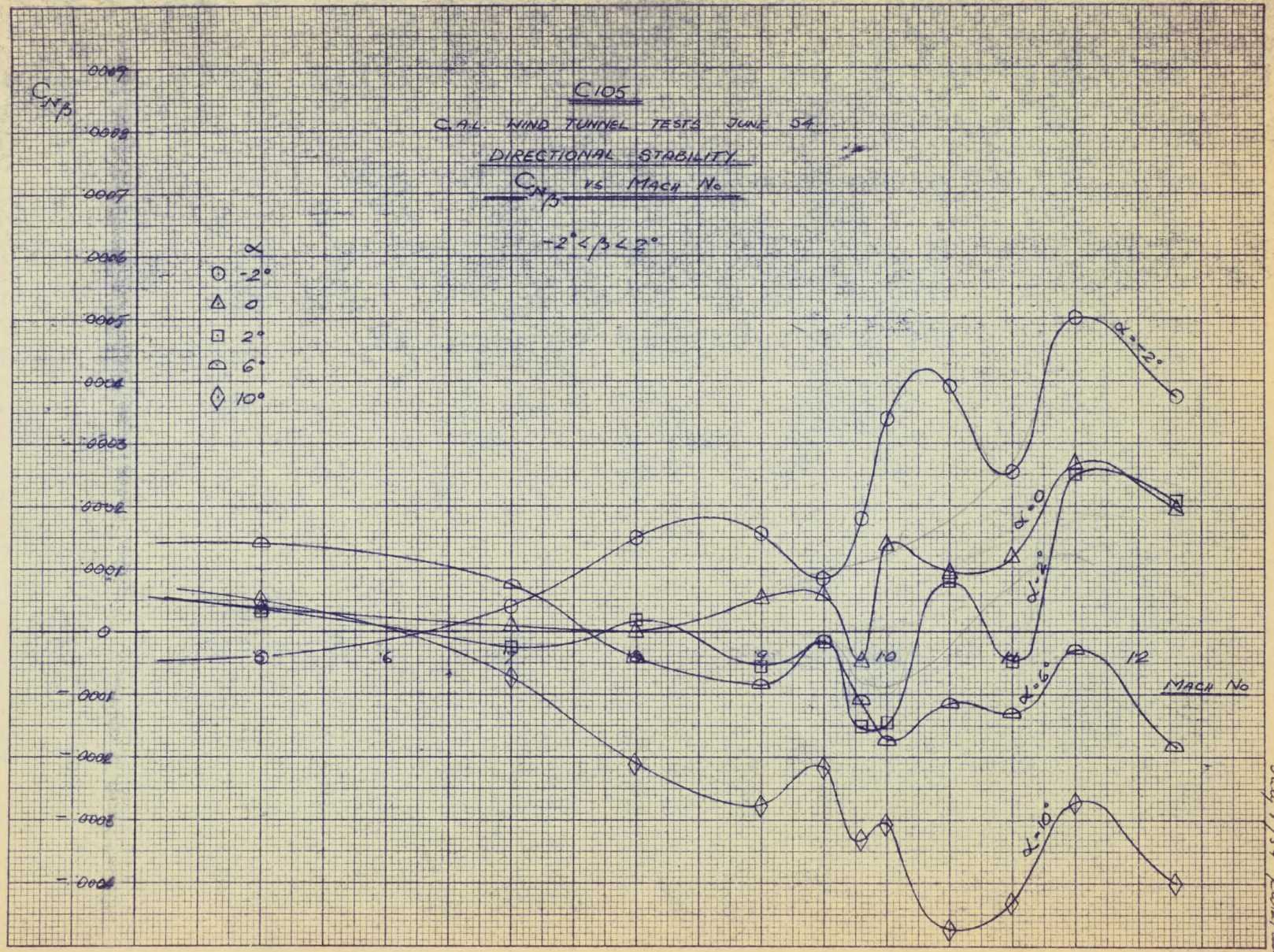
3. Rudder Effectiveness

   3.1 $C_{N_{\delta_r}}$ vs α — M = .5

4. Aileron Effectiveness

   4.1 $C_{\ell_{\delta_a}}$ vs α — M = .5

FORM 1319A



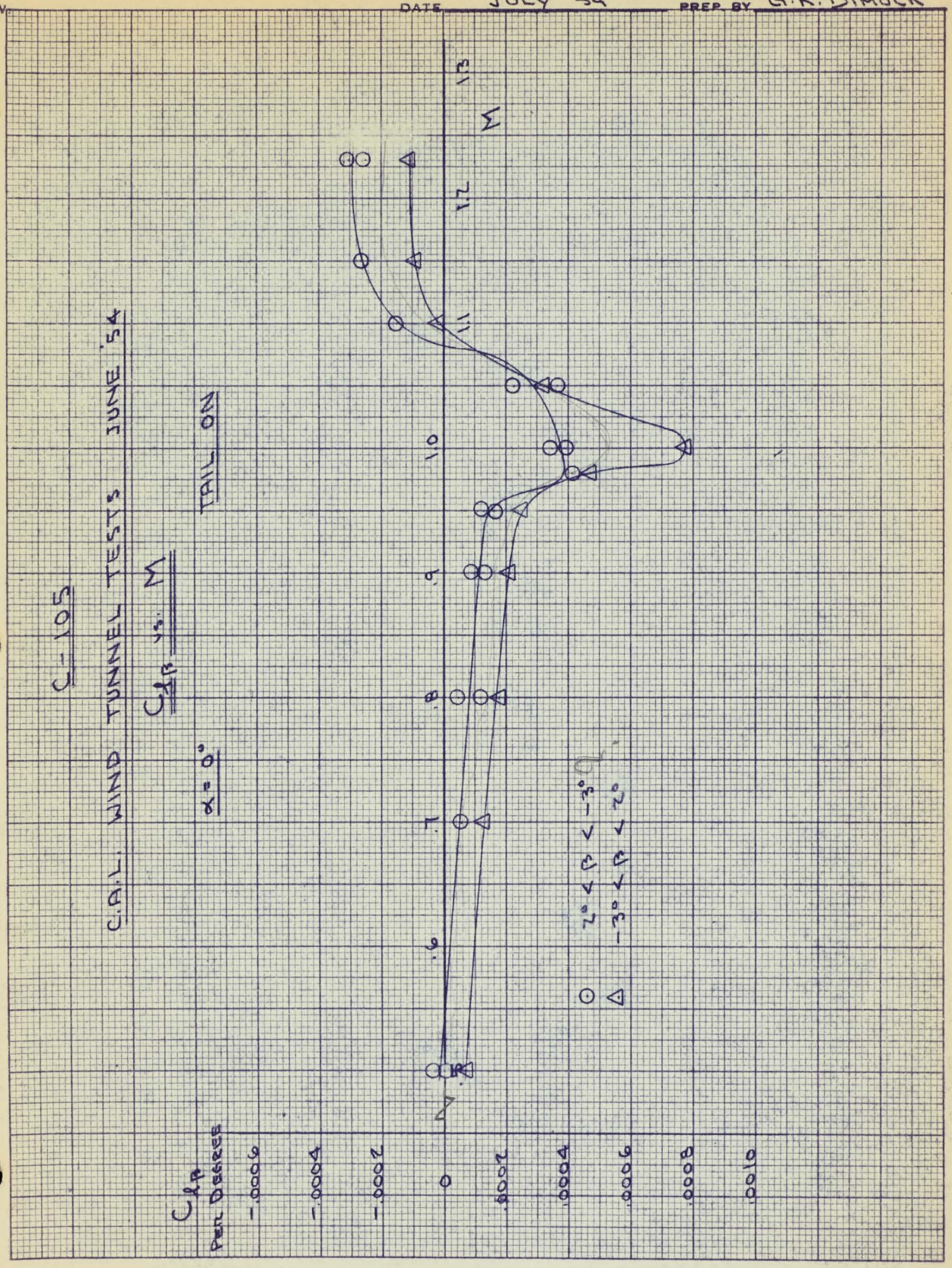
3.1.1.1. P/H.T./30-1
July 7/54 Kuethe

AIRCRAFT C105 COMPONENT

A. U. W.

SHEET No. 3.2.1.2 REPORT No. P/W.T./30 B-1

DATE JULY '54 PREP. BY G.K. DIMOCK



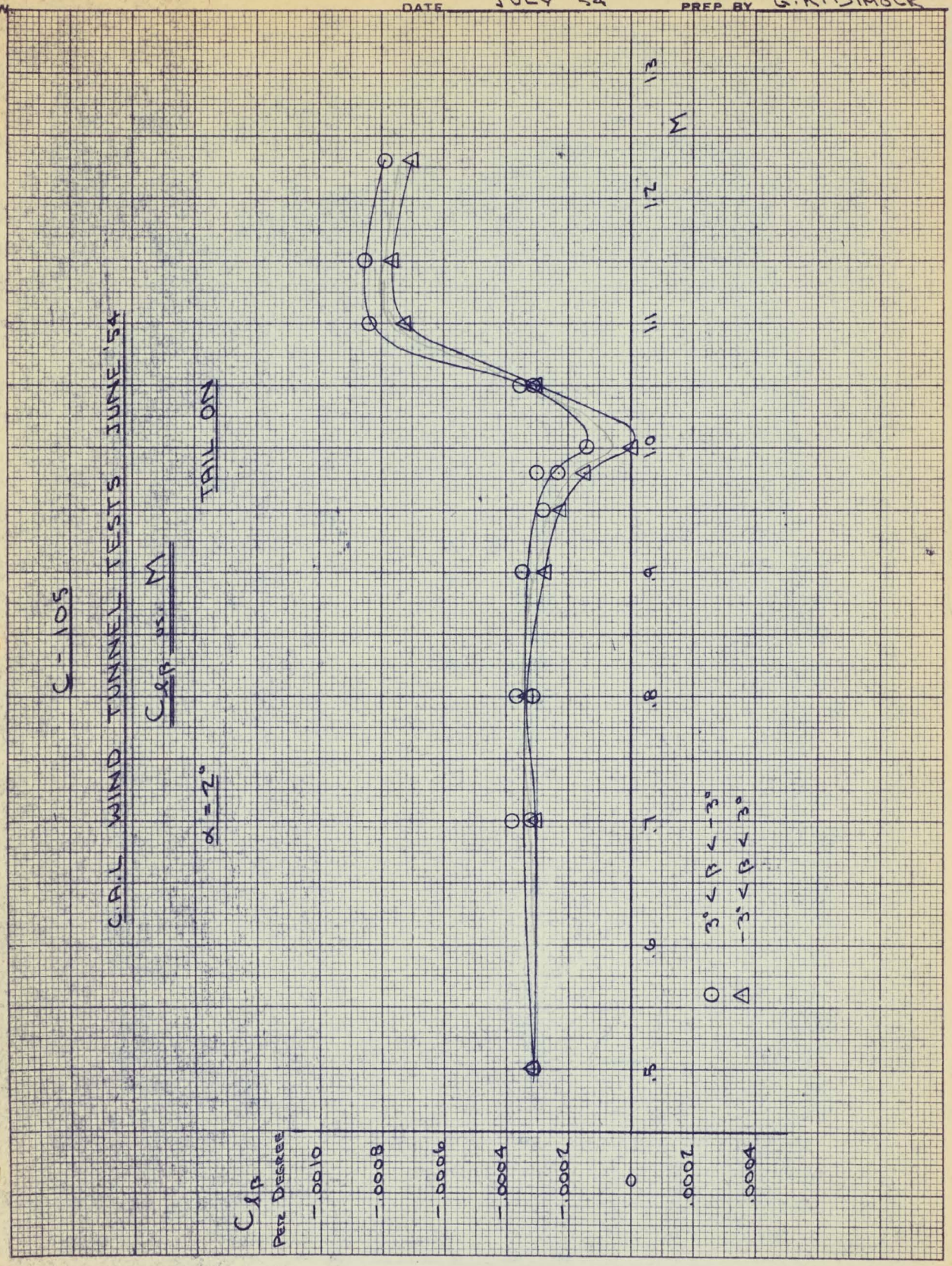
359-12 KEUFFEL & ESSER CO.
10 X 10 to the ½ inch. 5th lines accented.
MADE IN U.S.A.

FORM 1746

AIRCRAFT C-105 COMPONENT A.U.W.

SHEET NO. 3.2.1.3 REPORT NO. P/W.T./30

DATE JULY '54 PREP. BY G.K. DIMOCK



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