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WIND TUNNEL INVESTIGATION OF NACELLE-AIRFRAME INTERFERENCE AT MACH NUMBERS OF 0.9 to 1.4 – PRESSURE DATA; VOLUME II

(NASA-TM-X-73088) WIND TUNNEL INVESTIGATION OF NACELLE-AIRFRAME INTERFERENCE AT MACH NUMBERS OF 0.9 TO 1.4-PRESSURE DATA, VOLUME 2 (NASA) 423 P HC $11.00 CSCL 01A

N76-25144

UNCLAS

G3/01 42201

Daniel P. Bencze

Ames Research Center
Moffett Field, California 94035

February 1976

JUN 1976
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1. Report No.	2. Government Accession No.	3. Recipient's Catalog No.
NASA TM X-73,088		

4. Title and Subtitle	5. Report Date
Wind Tunnel Investigation of Nacelle-Airframe Interference At Mach Numbers of 0.9 to 1.4 - Pressure Data; Volume II	February, 1976
	6. Performing Organization Code
7. Author(s)	8. Performing Organization Report No.
Daniel P. Bencze	A-4982
	10. Work Unit No.
9. Performing Organization Name and Address	505-11-12
NASA-Ames Research Center Moffett Field, Ca. 94035	11. Contract or Grant No.
	13. Type of Report and Period Covered
12. Sponsoring Agency Name and Address	Technical Memorandum
	14. Sponsoring Agency Code

15. Supplementary Notes

16. Abstract

Detailed interference force and pressure data were obtained on a representative wing-body nacelle combination at Mach numbers of 0.9 to 1.4. The model consisted of a delta wing-body aerodynamic force model with four independently supported nacelles located beneath the wing-body combination. The model was mounted on a six-component force balance, and the left-hand wing was pressure-instrumented. Each of the two right-hand nacelles was mounted on a six-component force balance housed in the thickness of the nacelle, while each of the left-hand nacelles was pressure-instrumented. The primary variables examined included Mach number, angle of attack, nacelle position, and nacelle mass-flow ratio. Four different configurations were tested to identify various interference forces and pressures on each component; these included tests of the isolated nacelle, the isolated wing-body combination, the four nacelles as a unit, and the total wing-body-nacelle combination. Nacelle axial location, relative to both the wing-body combination and to each other, was the most important variable in determining the net interference among the components. The overall interference effects were found to be essentially constant over the operating angle-of-attack range of the configuration, and nearly independent of nacelle mass-flow ratio.

17. Key Words (Suggested by Author(s))	18. Distribution Statement
Nacelle Airframe Interference Interference Forces Interference Pressures Transonic	Unlimited STAR Category 01

19. Security Classif. (of this report)	20. Security Classif. (of this page)	21. No. of Pages	22. Price*
Unclassified	Unclassified	424	

*For sale by the National Technical Information Service, Springfield, Virginia 22151

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WIND TUNNEL INVESTIGATION OF NACELLE-AIRFRAME INTERFERENCE AT MACH NUMBERS OF 0.9 TO 1.4 - PRESSURE DATA

Daniel P. Bencze

Ames Research Center

SUMMARY

Detailed interference force and pressure data were obtained on a representative wing-body-nacelle combination at Mach numbers of 0.9 to 1.4. The model consisted of a delta wing-body aerodynamic force model with four independently supported nacelles located beneath the wing-body combination. The model was 62.2 in. long and had a wing span of 40.8 in. The model was mounted on a six-component force balance, and the left-hand wing was pressure instrumented. Each of the two right-hand nacelles was mounted on a six-component force balance housed in the thickness of the nacelle, while each of the left-hand nacelles was pressure-instrumented. The nacelle support system provided the flexibility of varying the position of the nacelles relative to the wing-body combination and each other, and the capability of controlling the mass flow through each nacelle.

The experimental program was conducted in the Ames 11- by 11-Foot Wing Tunnel at a constant unit Reynolds number of 3.0×10^6/ft. The primary variables examined included Mach number, angle of attack, nacelle position and nacelle mass-flow ratio. Four different configurations were tested to identify various interference forces and pressures on each component; these included tests of the isolated nacelle, the isolated wing-body combination, the four nacelles as a unit, and the total wing-body-nacelle combination. Nacelle axial location, relative to both the wing-body-combination and to each other, was the most important variable in determining the net interference among the components. The overall interference effects were found to be essentially constant over the operating angle-of-attack range of the configuration, and nearly independent of nacelle mass-flow ratio.

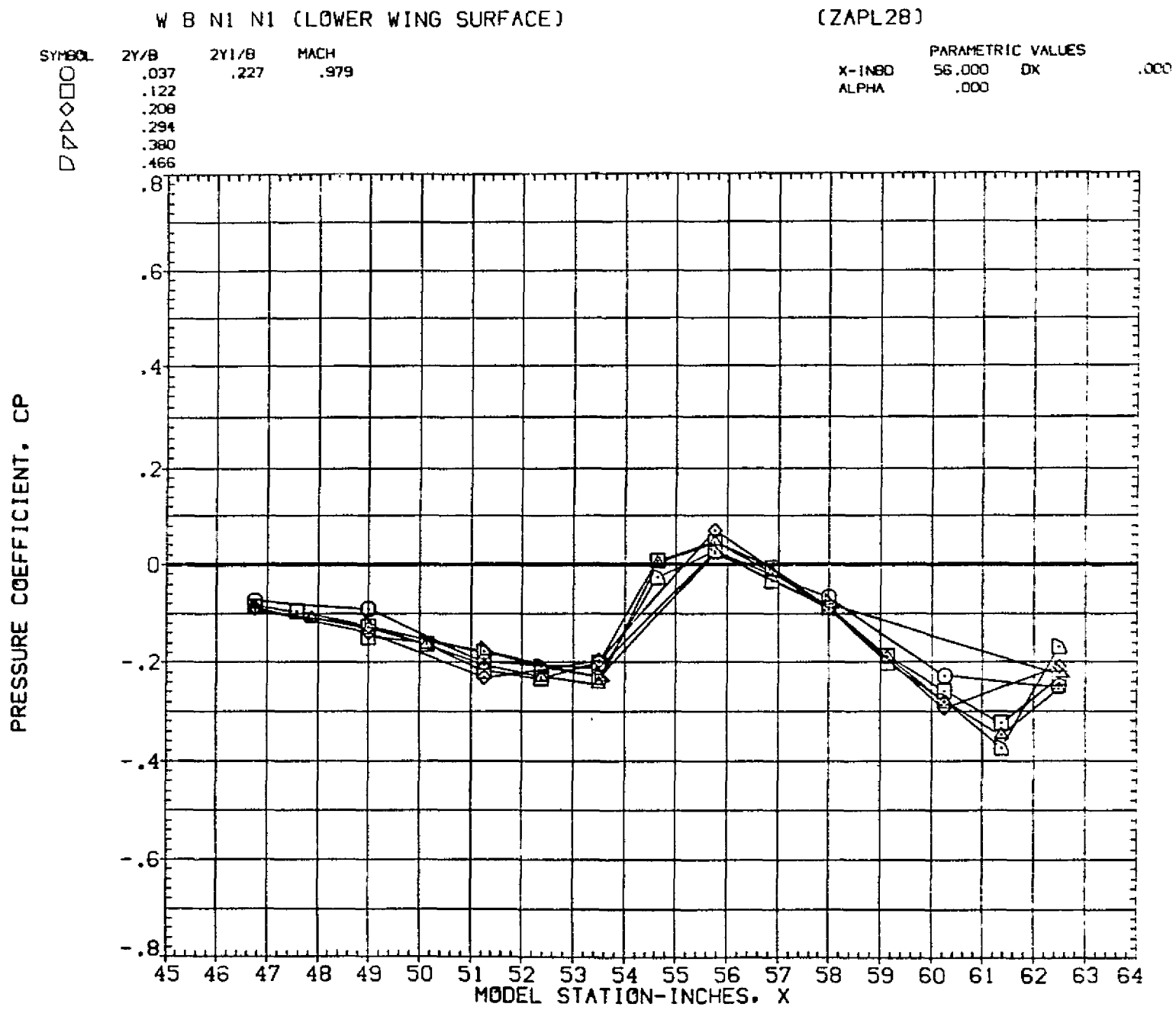


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.227	.979
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

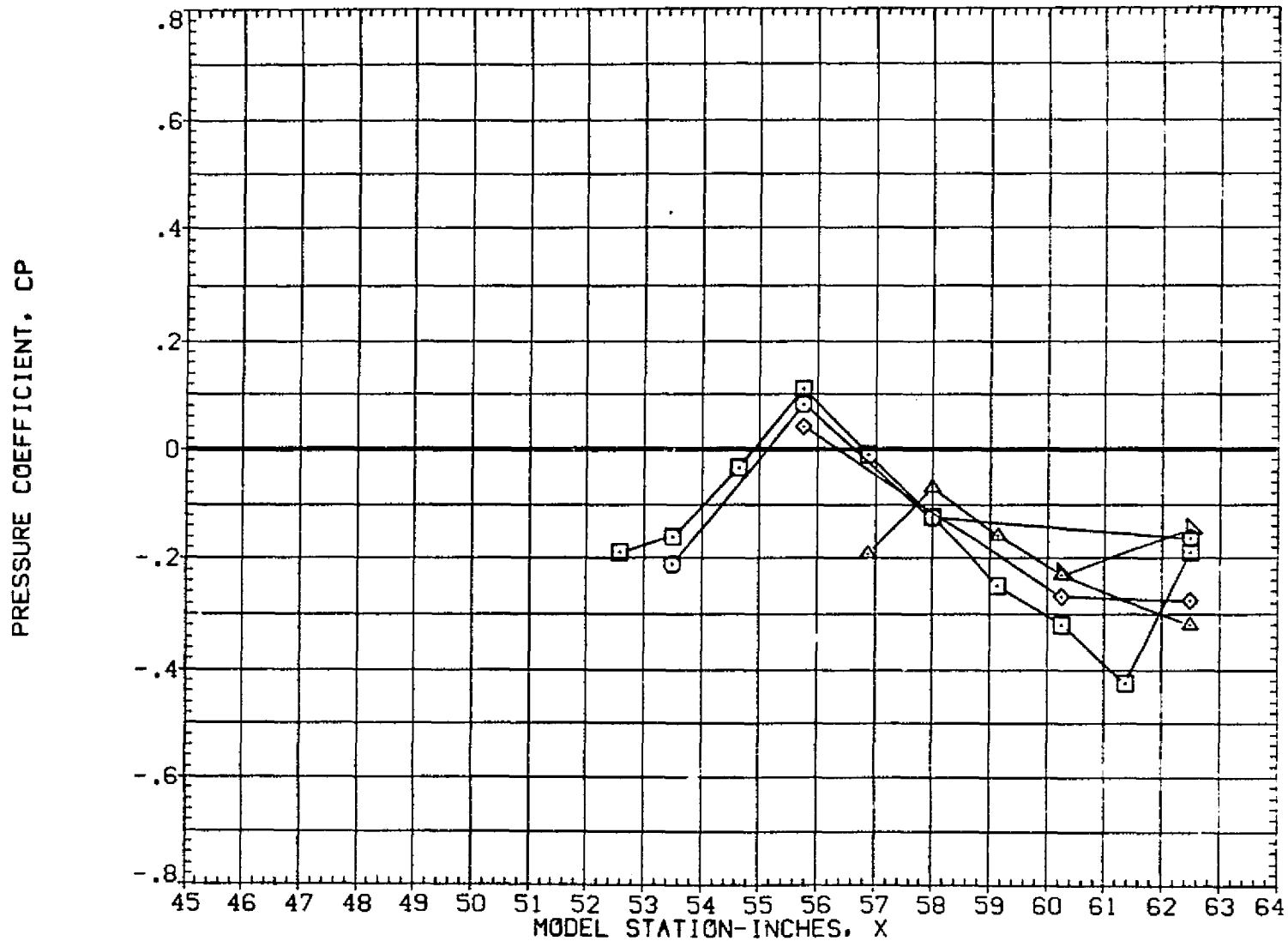


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

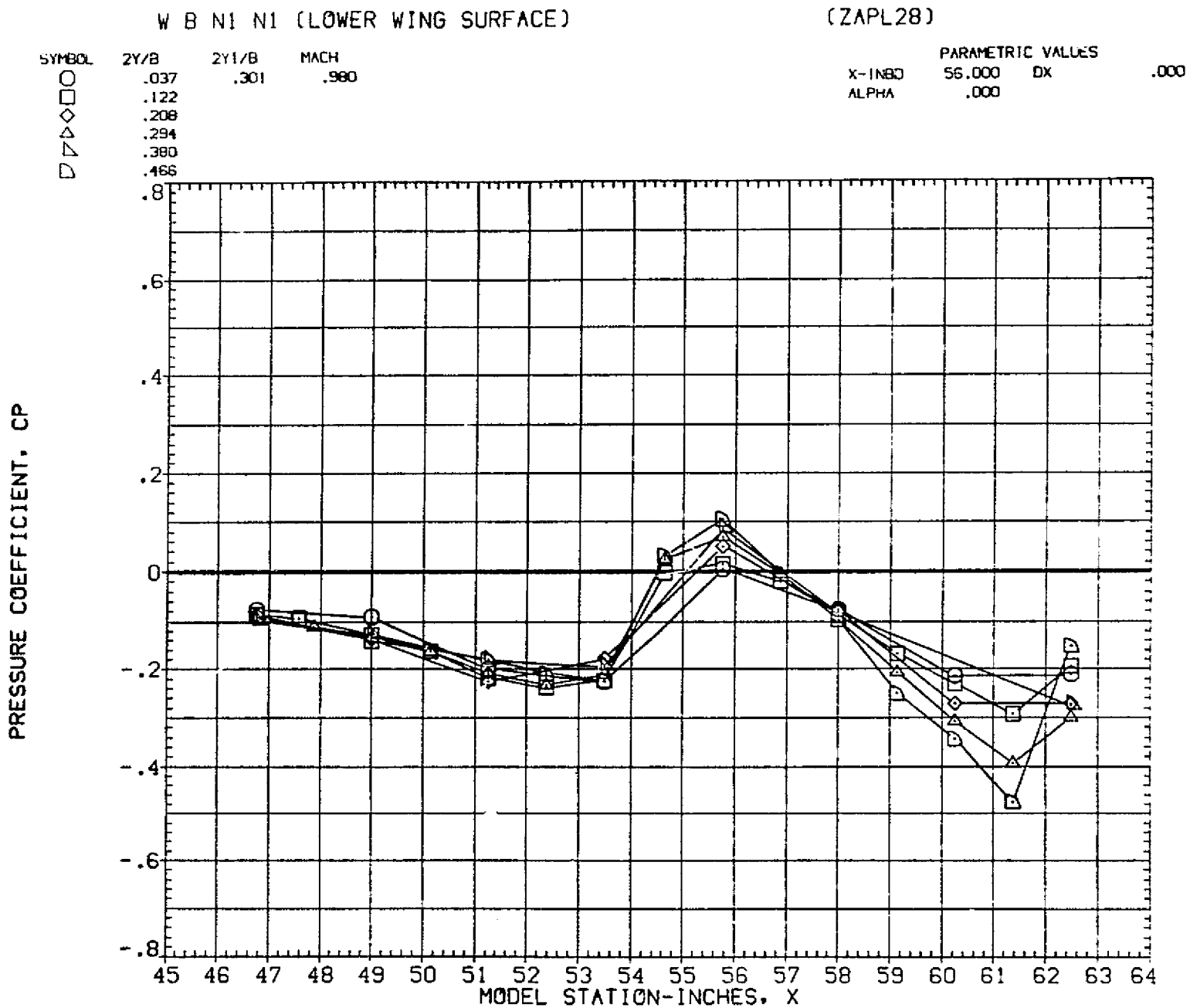


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.301	.980
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

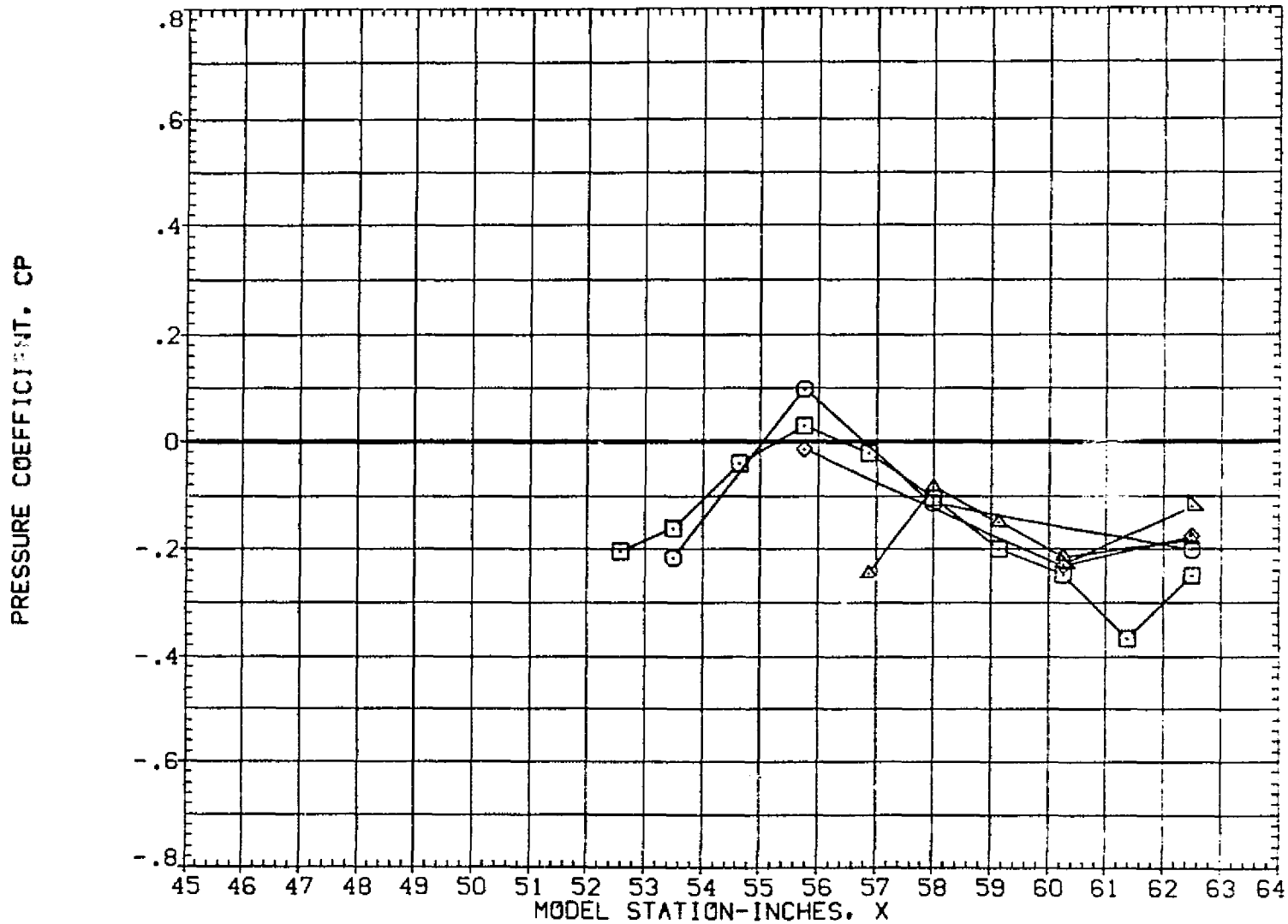


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

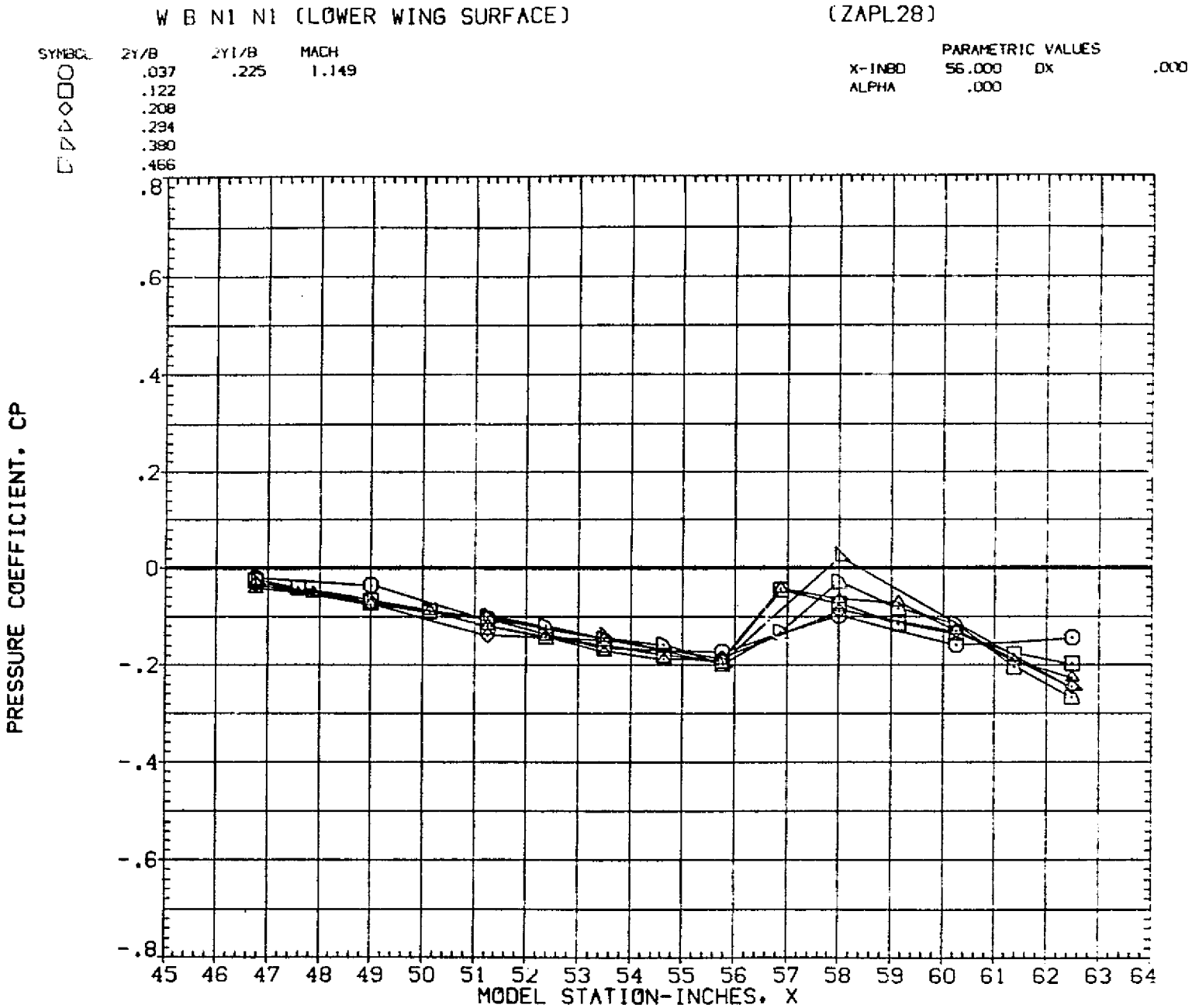


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.225	1.149
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

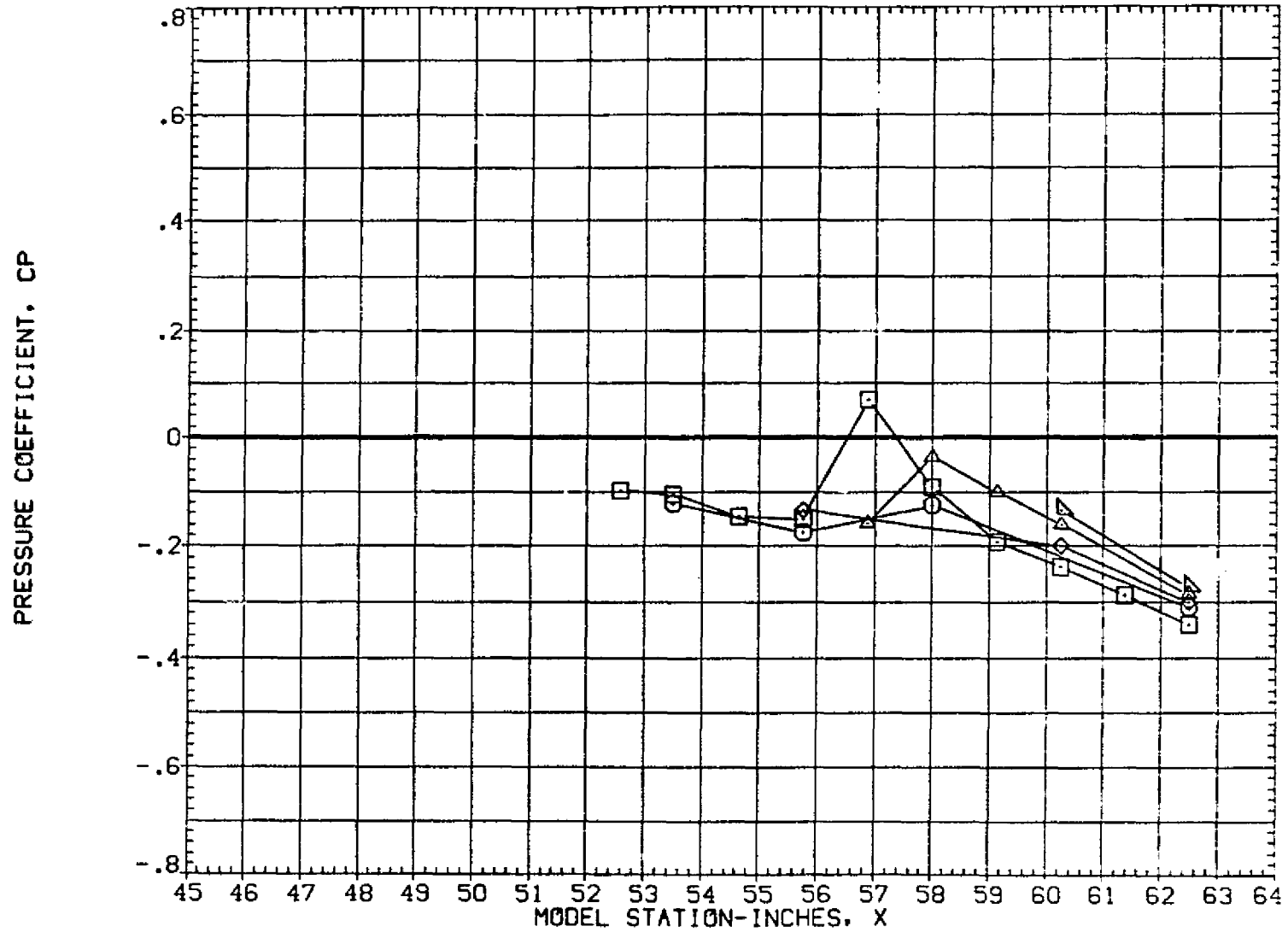


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

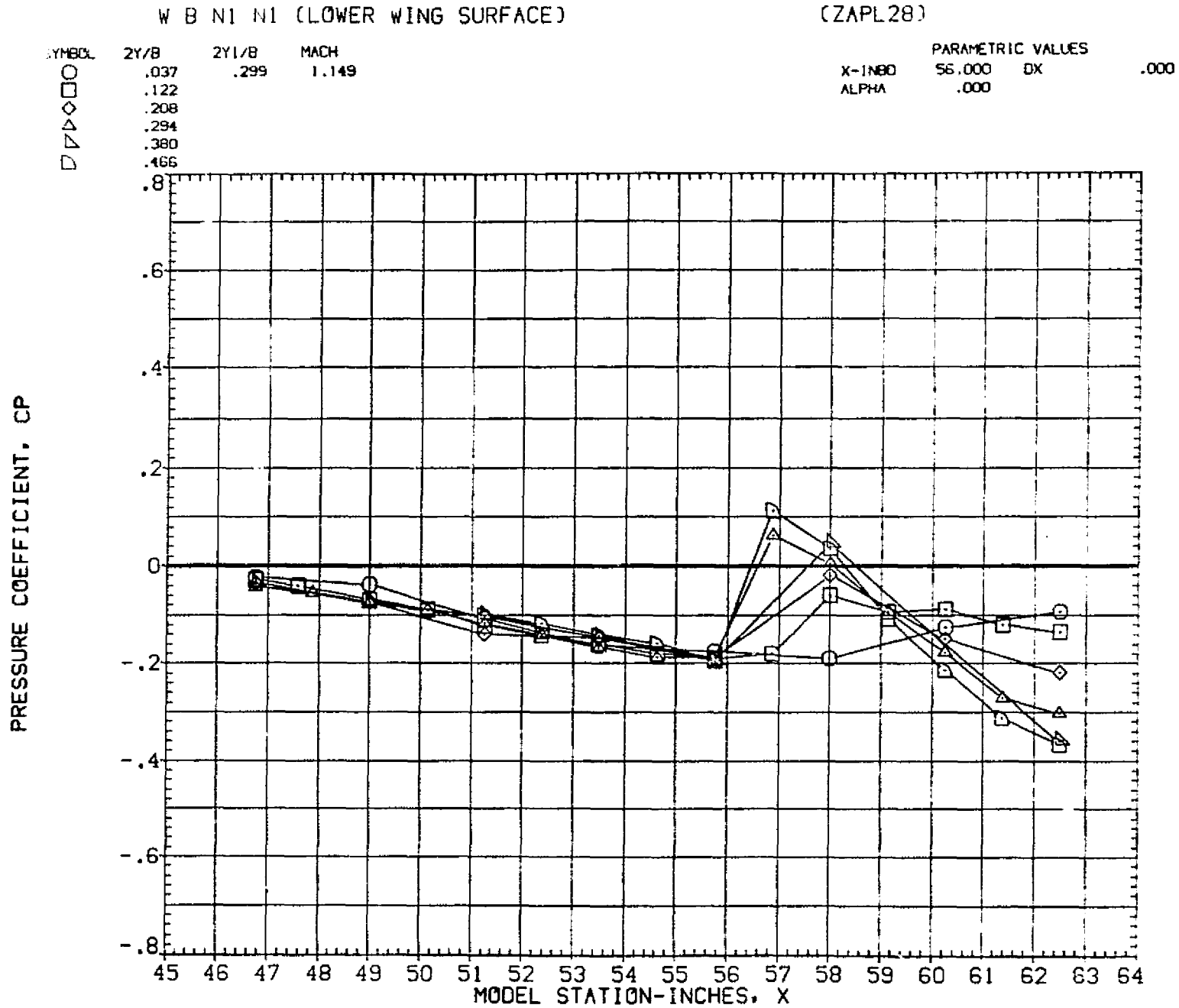


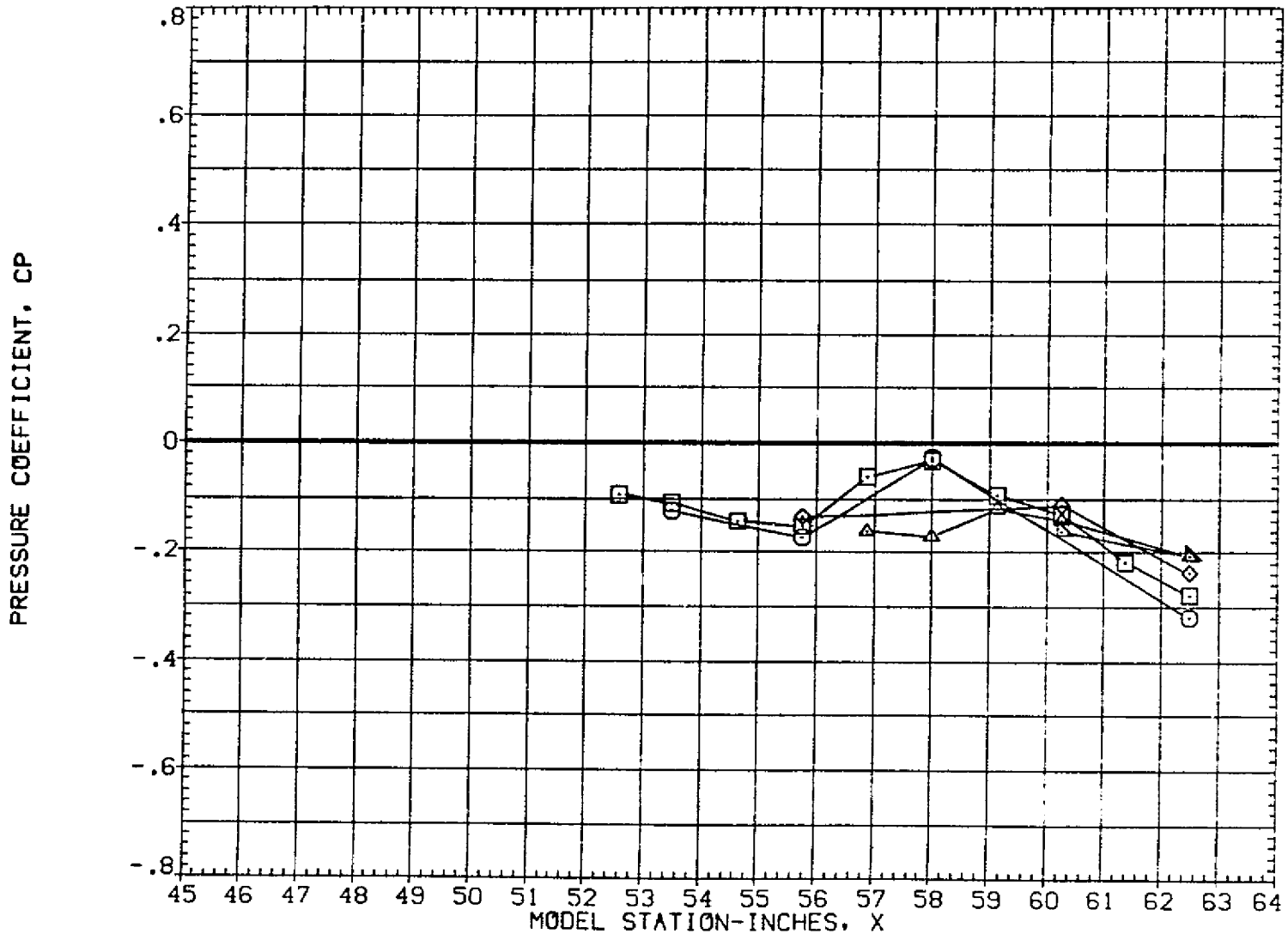
FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL28)

SYMBOL	2Y/B	2YI/B	MACH
○	.551	.299	1.149
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		



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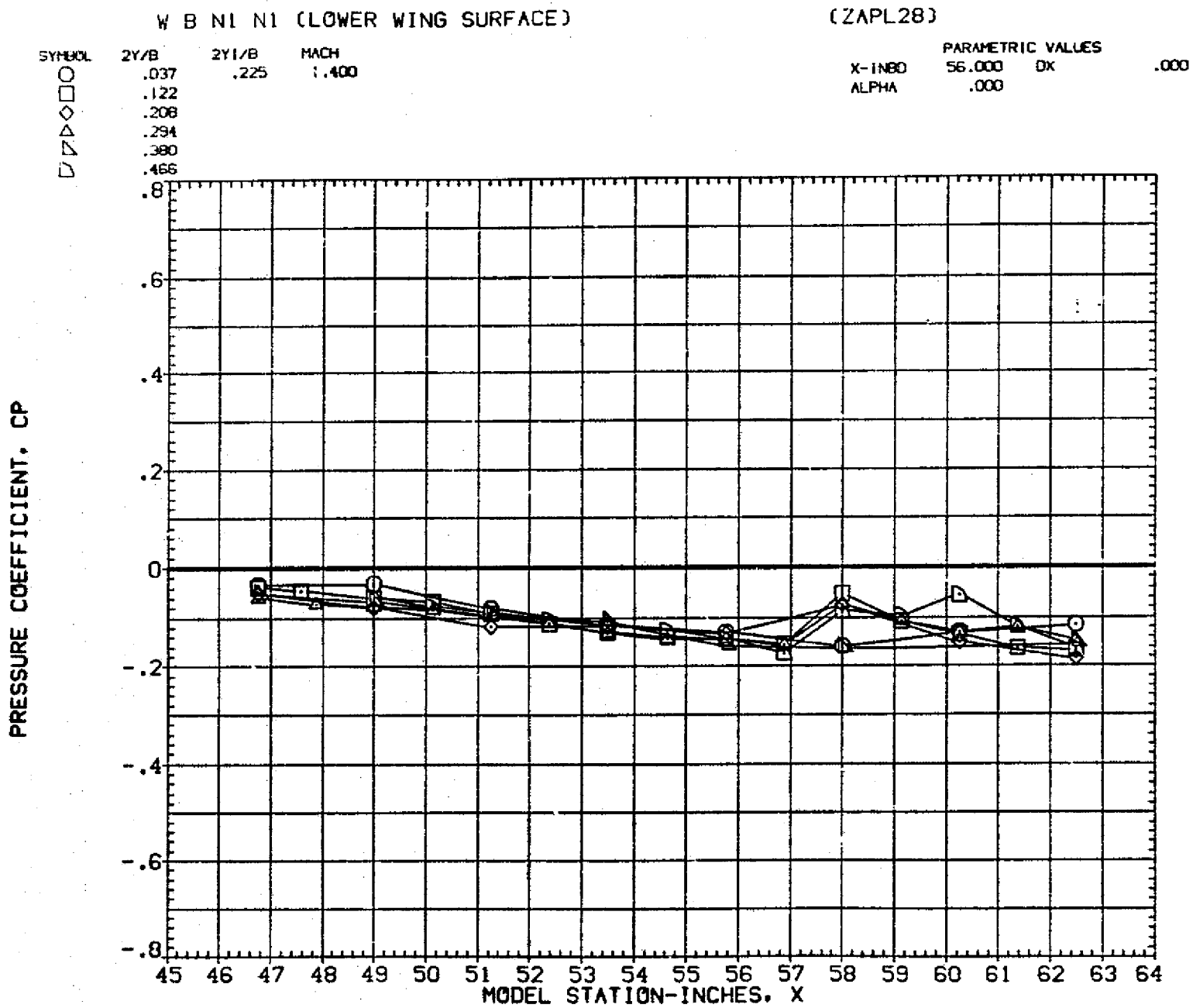

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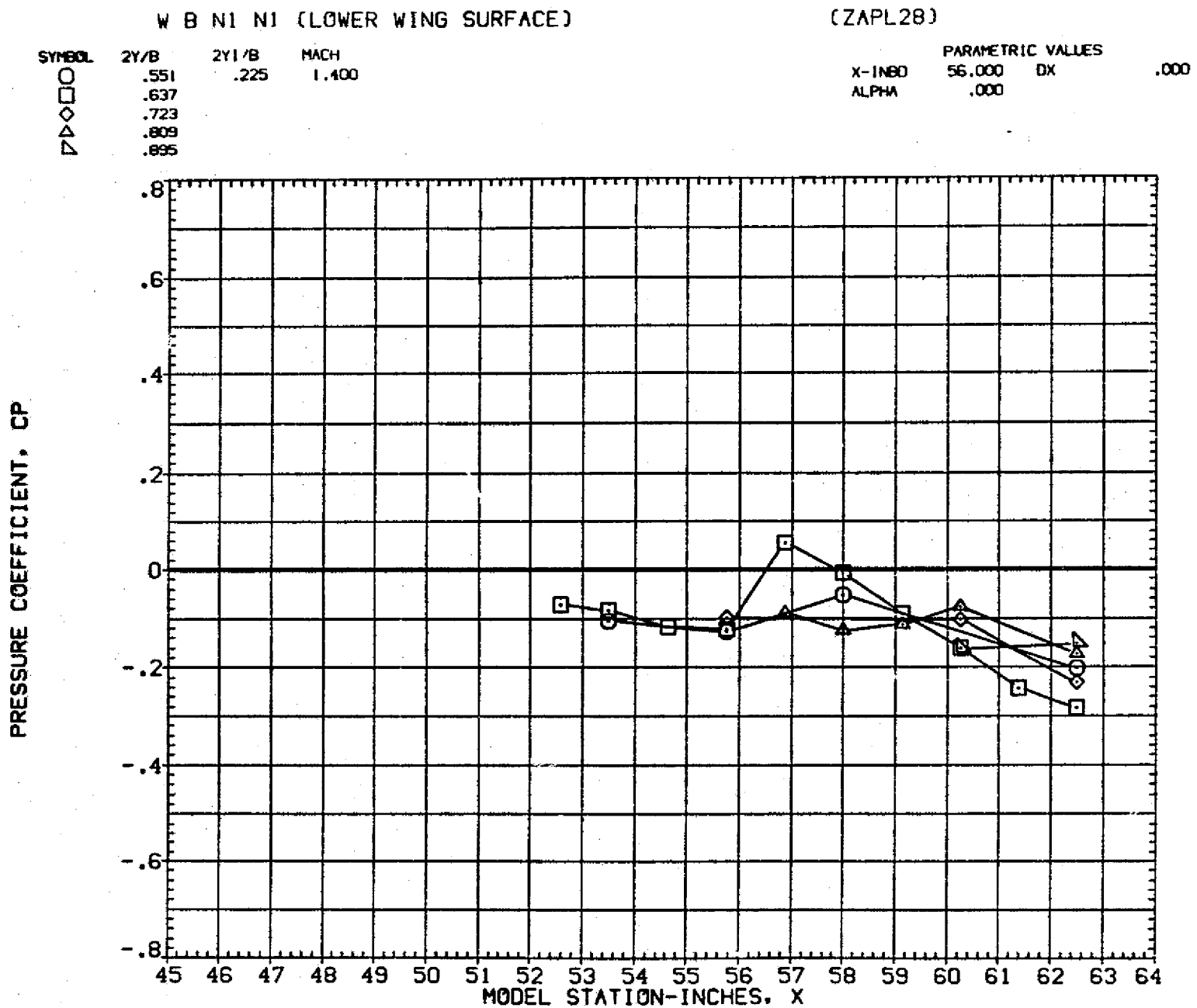


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

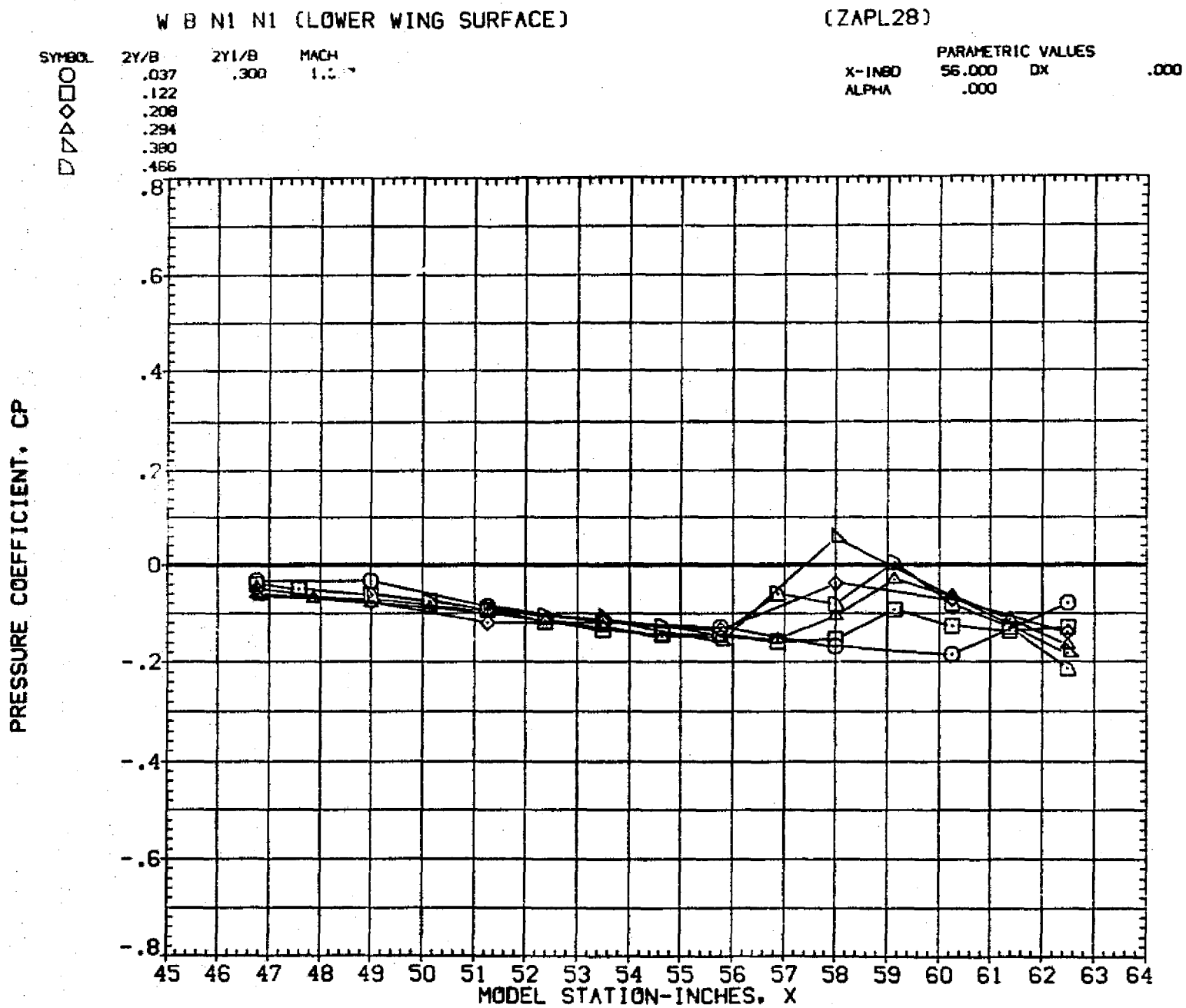


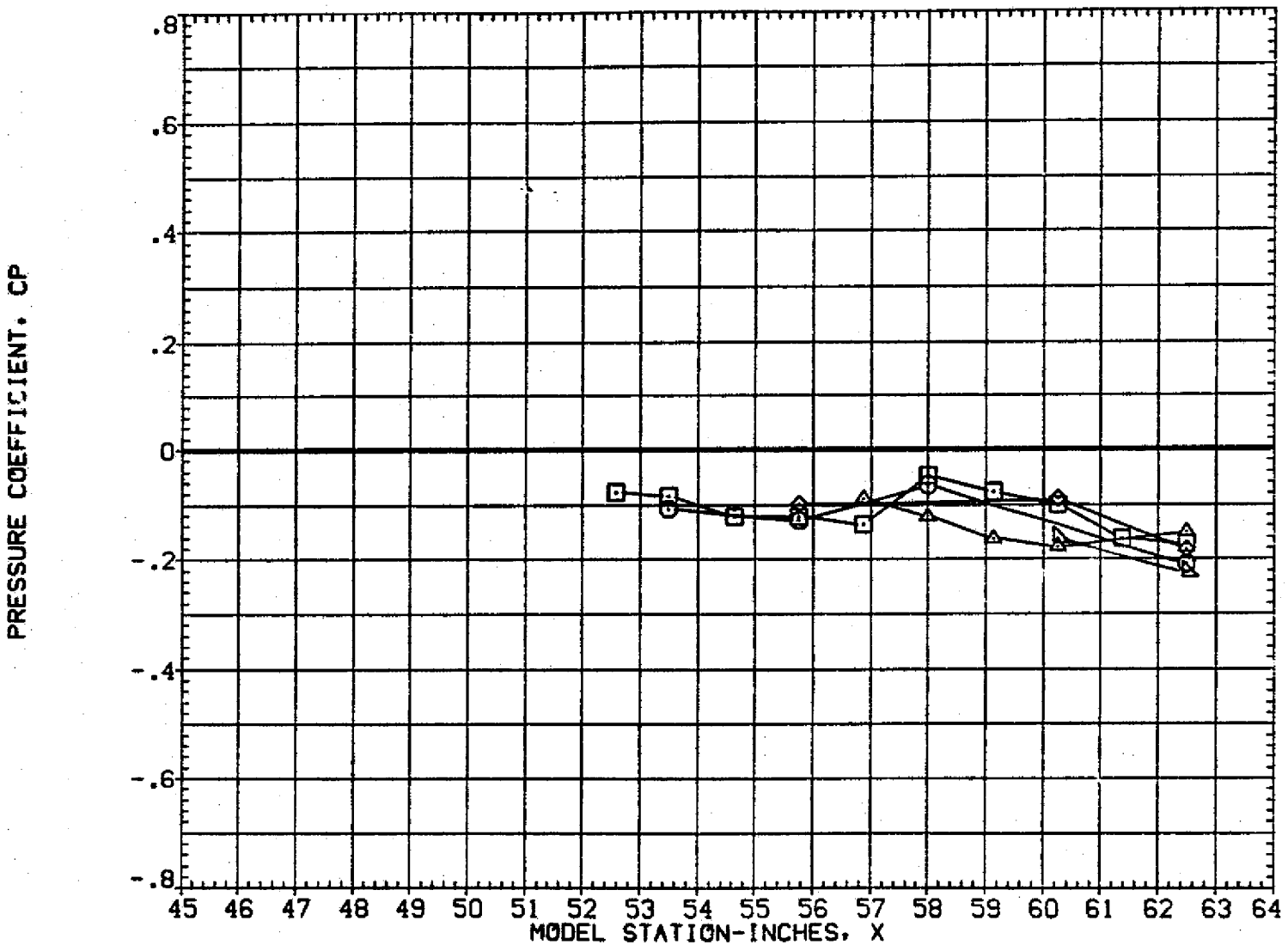
FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.300	1.397
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		



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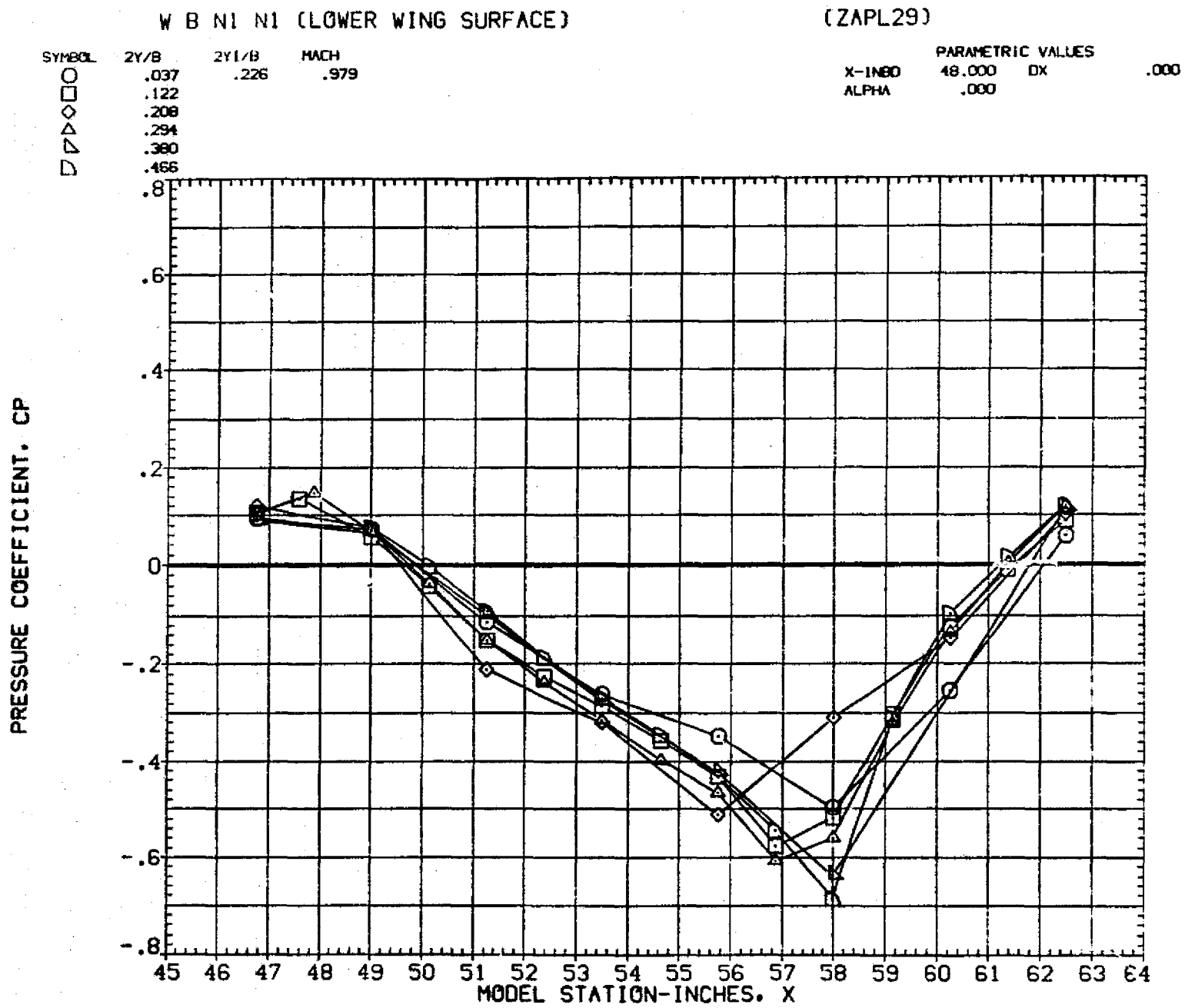


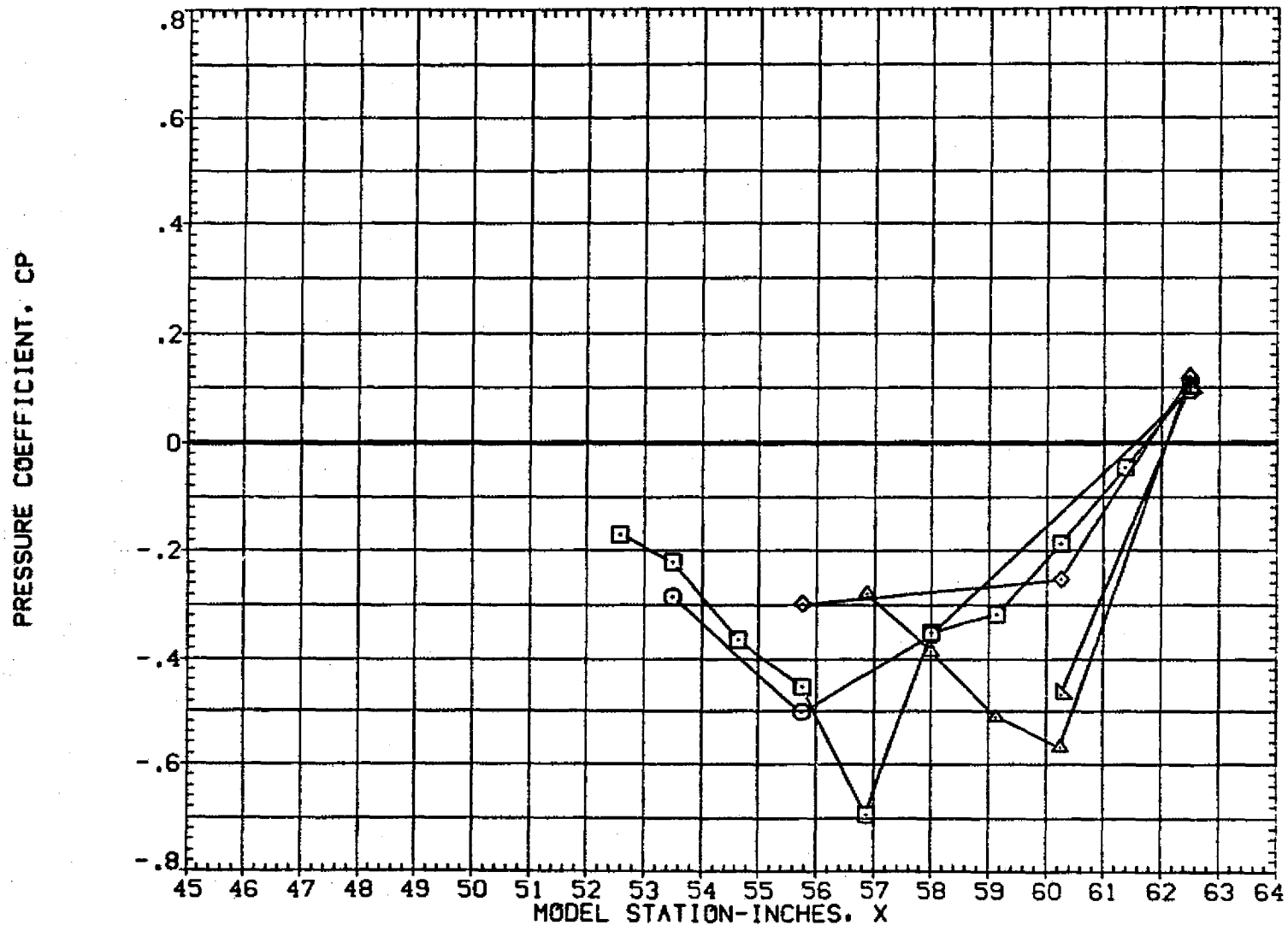
FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL29)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.226	.979
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		



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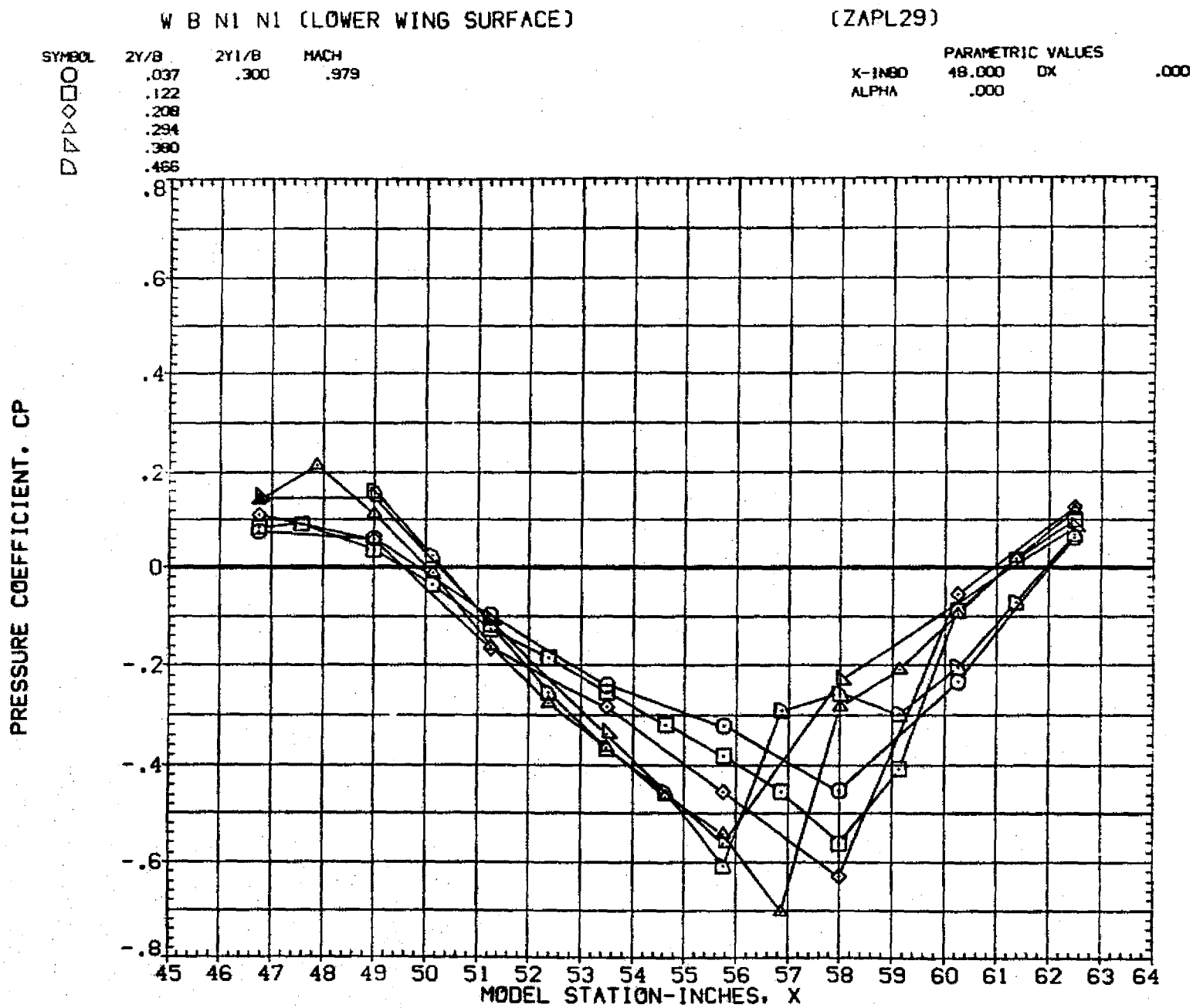


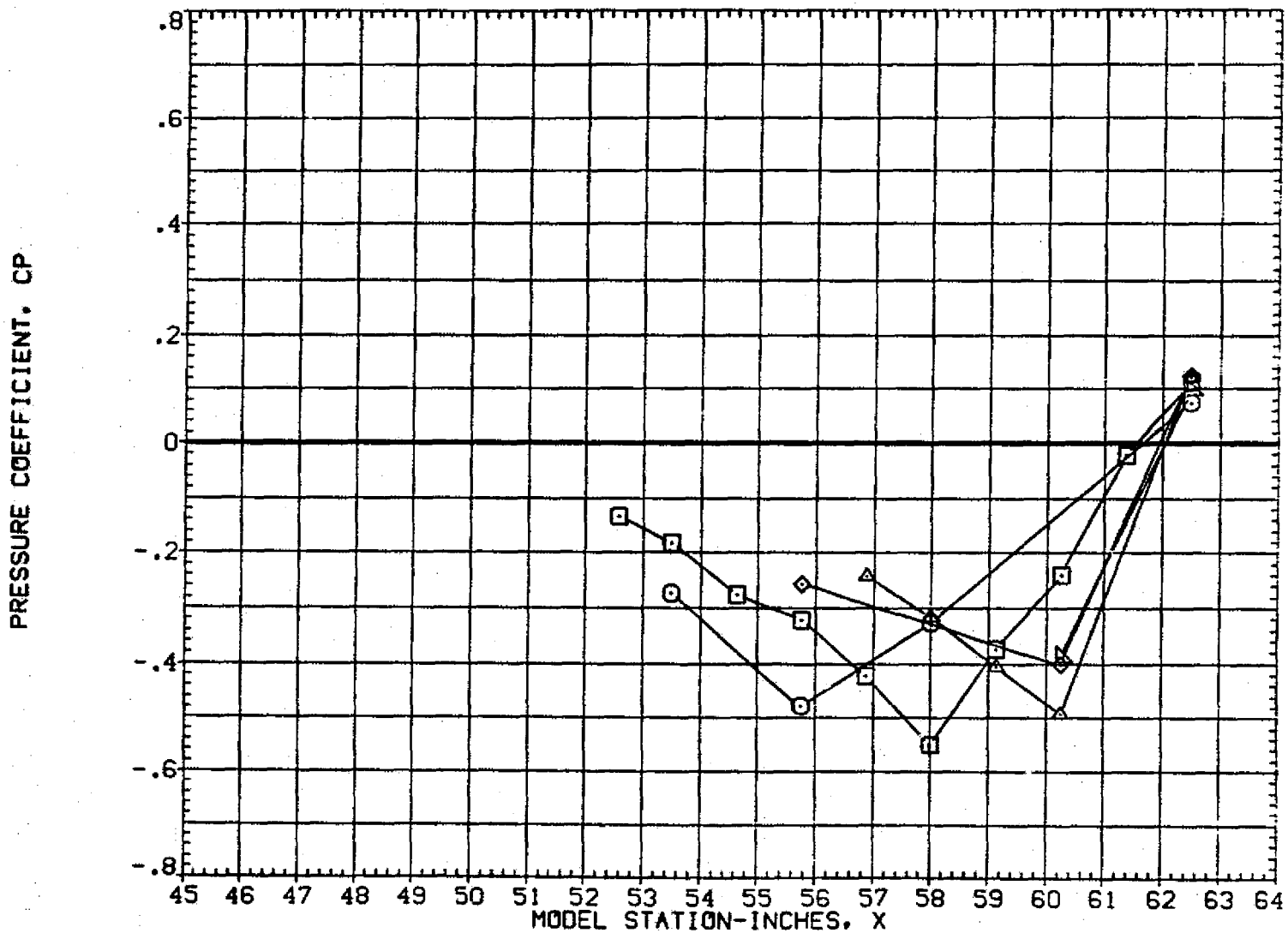
FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL29)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.300	.979
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		



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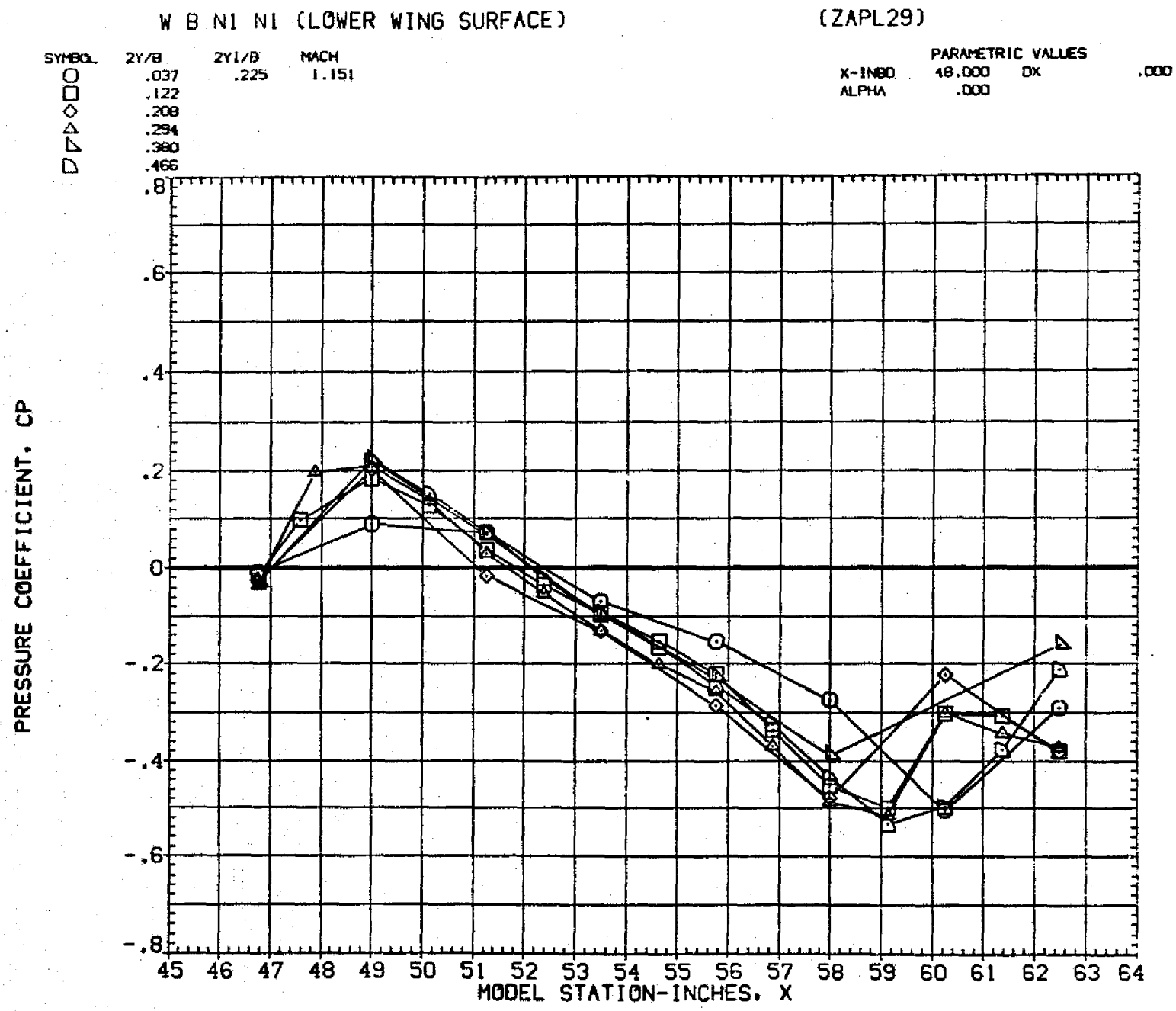


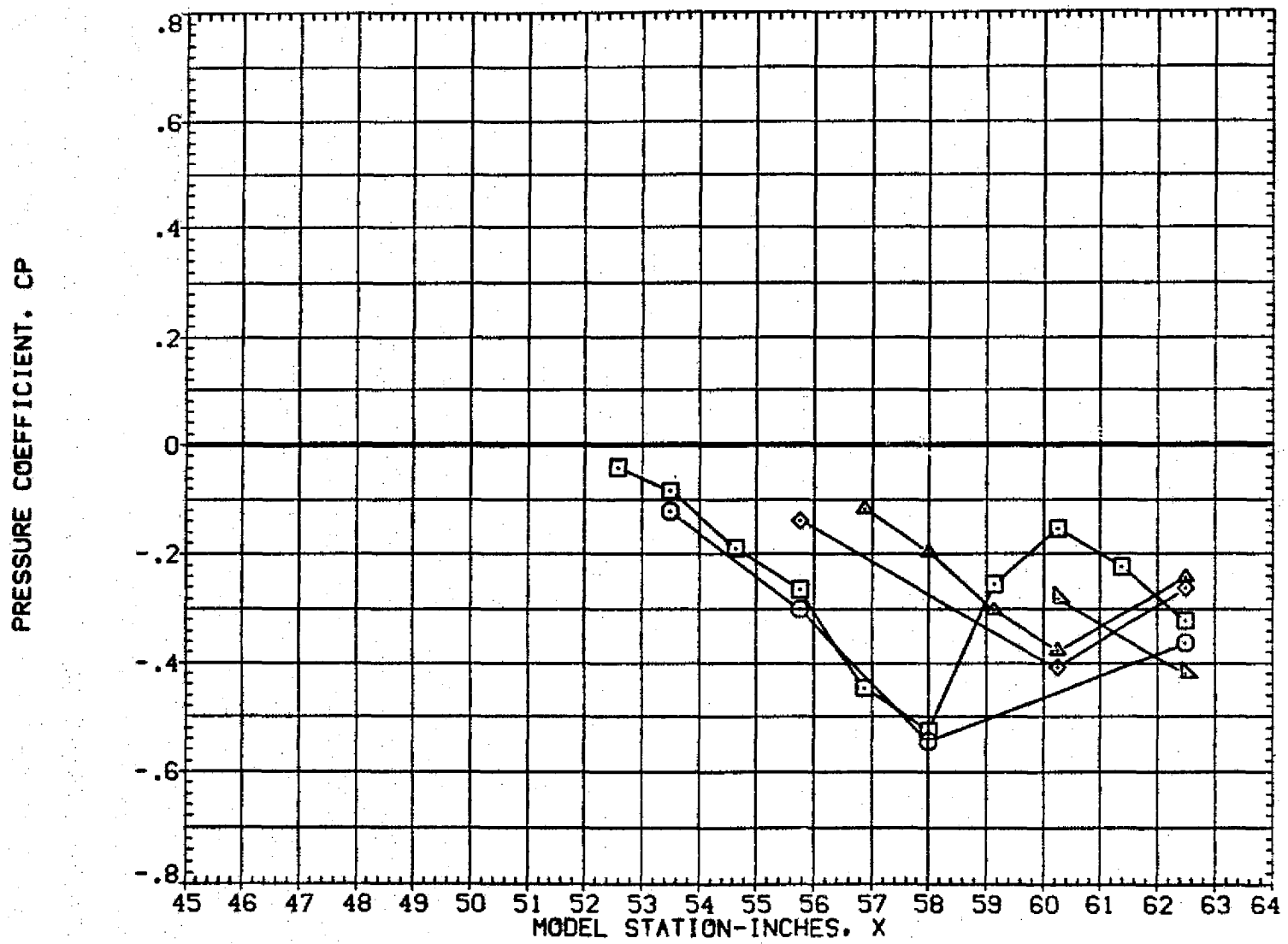
FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL29)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.225	1.151
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		



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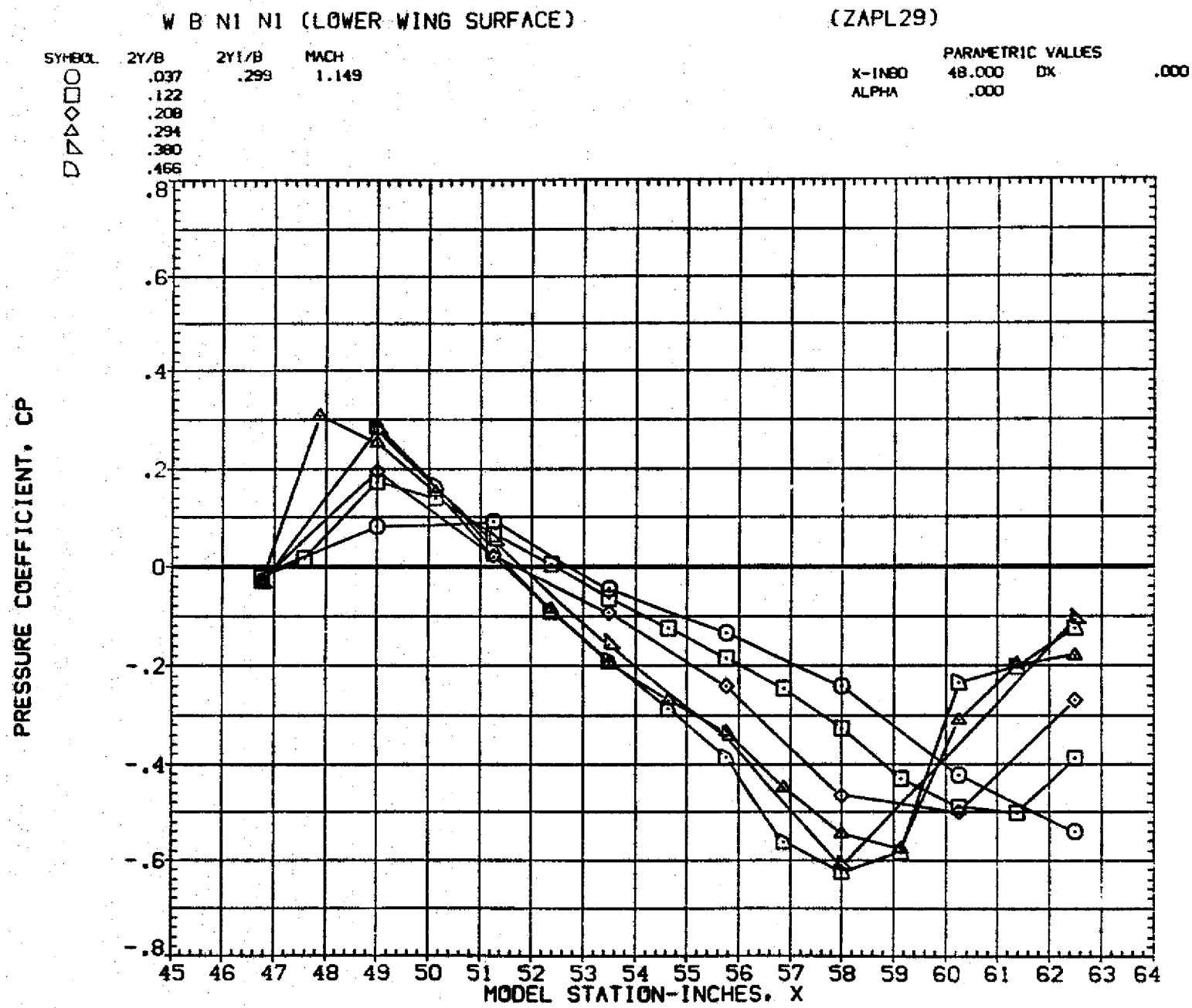


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

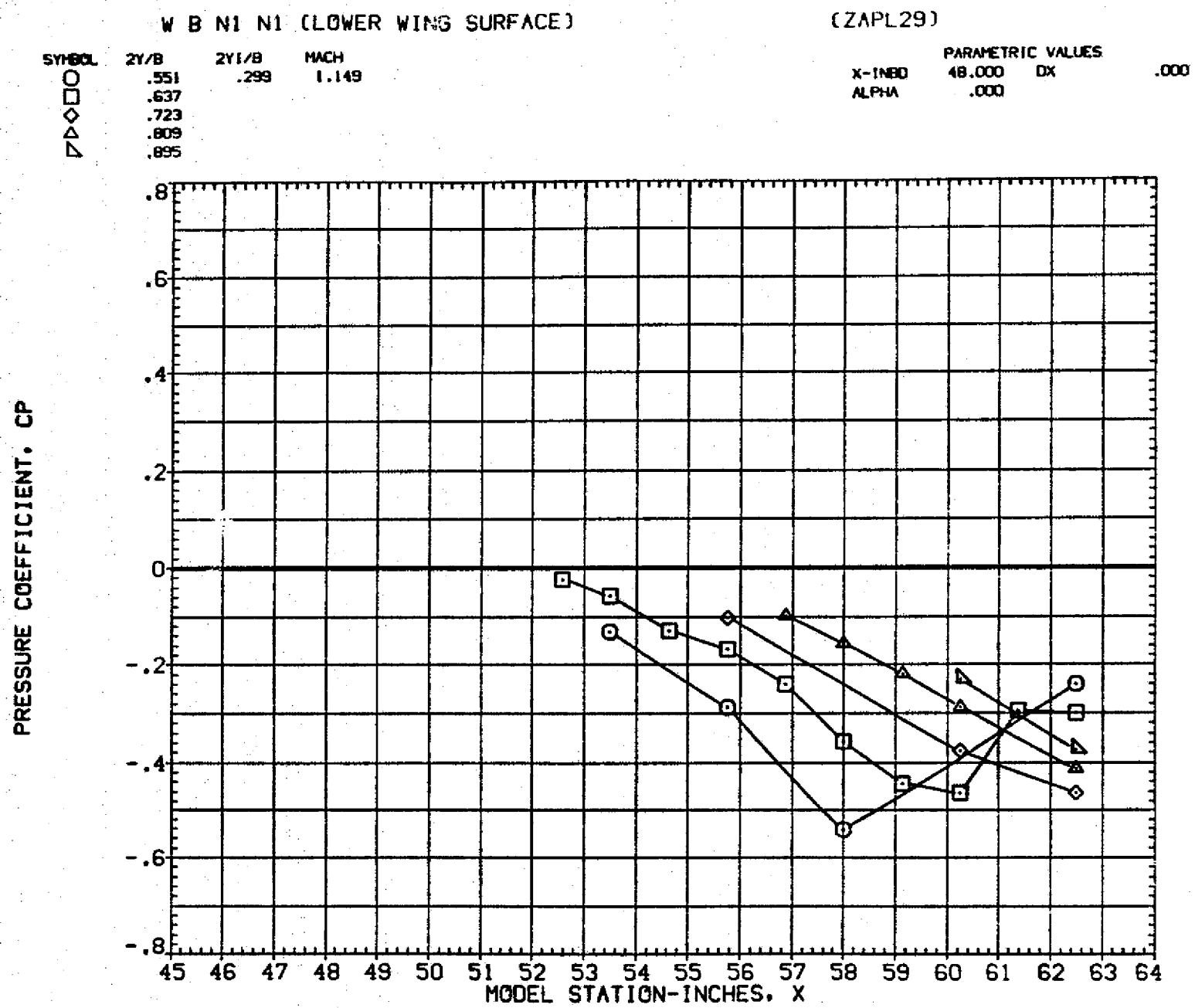


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

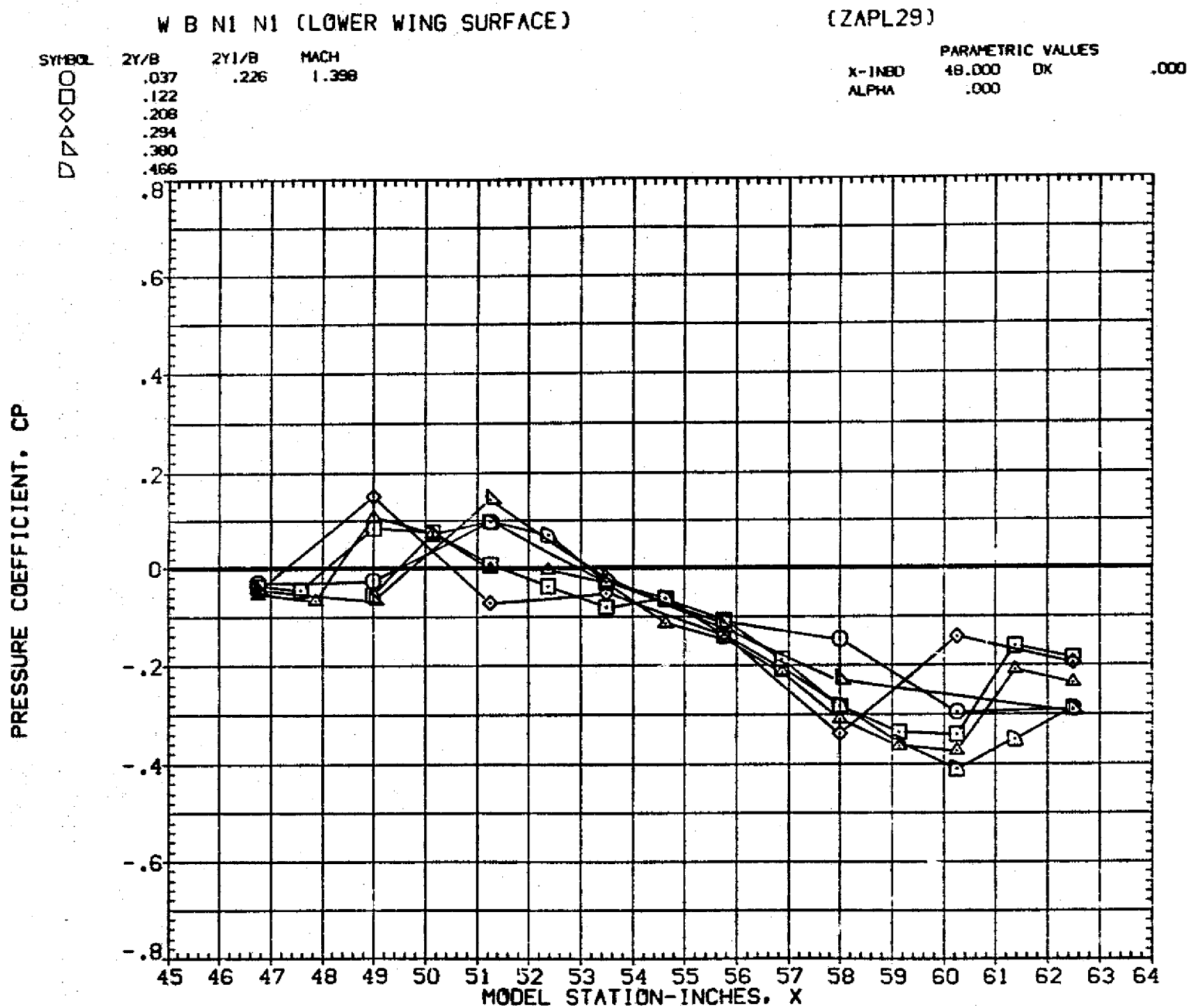


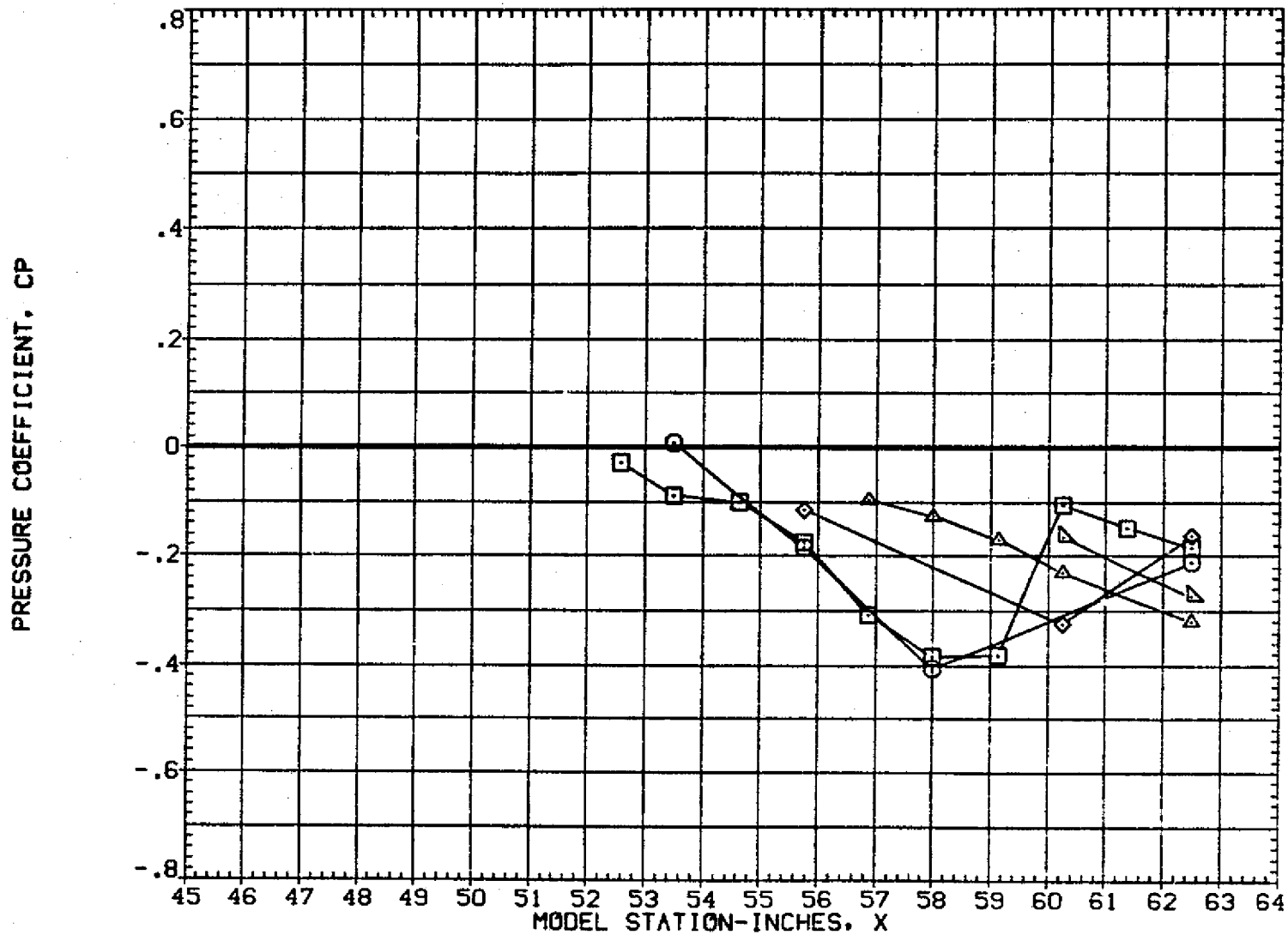
FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL29)

SYMBOL	2Y/B	2YI/B	MACH
○	.551	.226	1.398
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		



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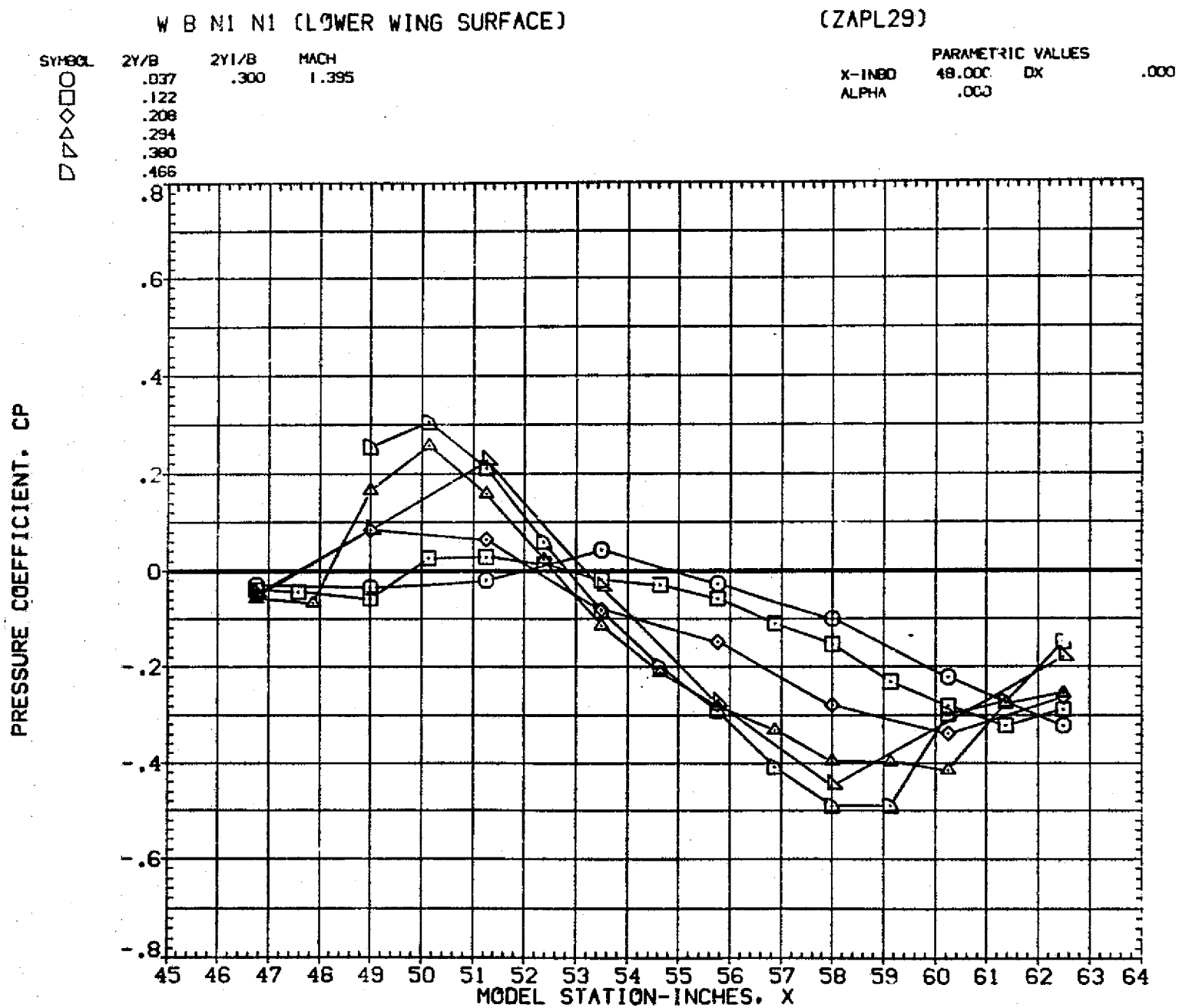


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL29)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.300	1.395
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		

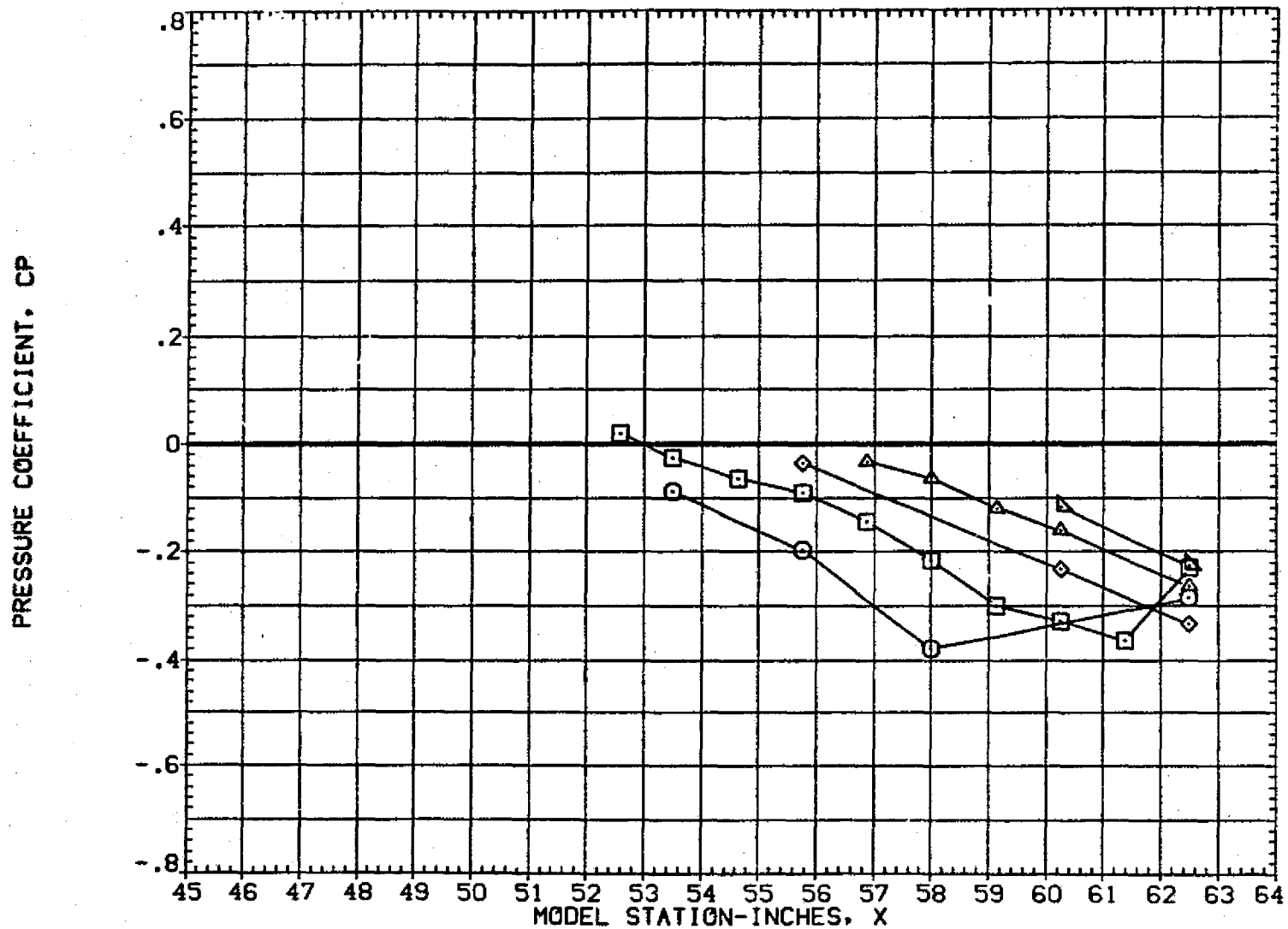


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

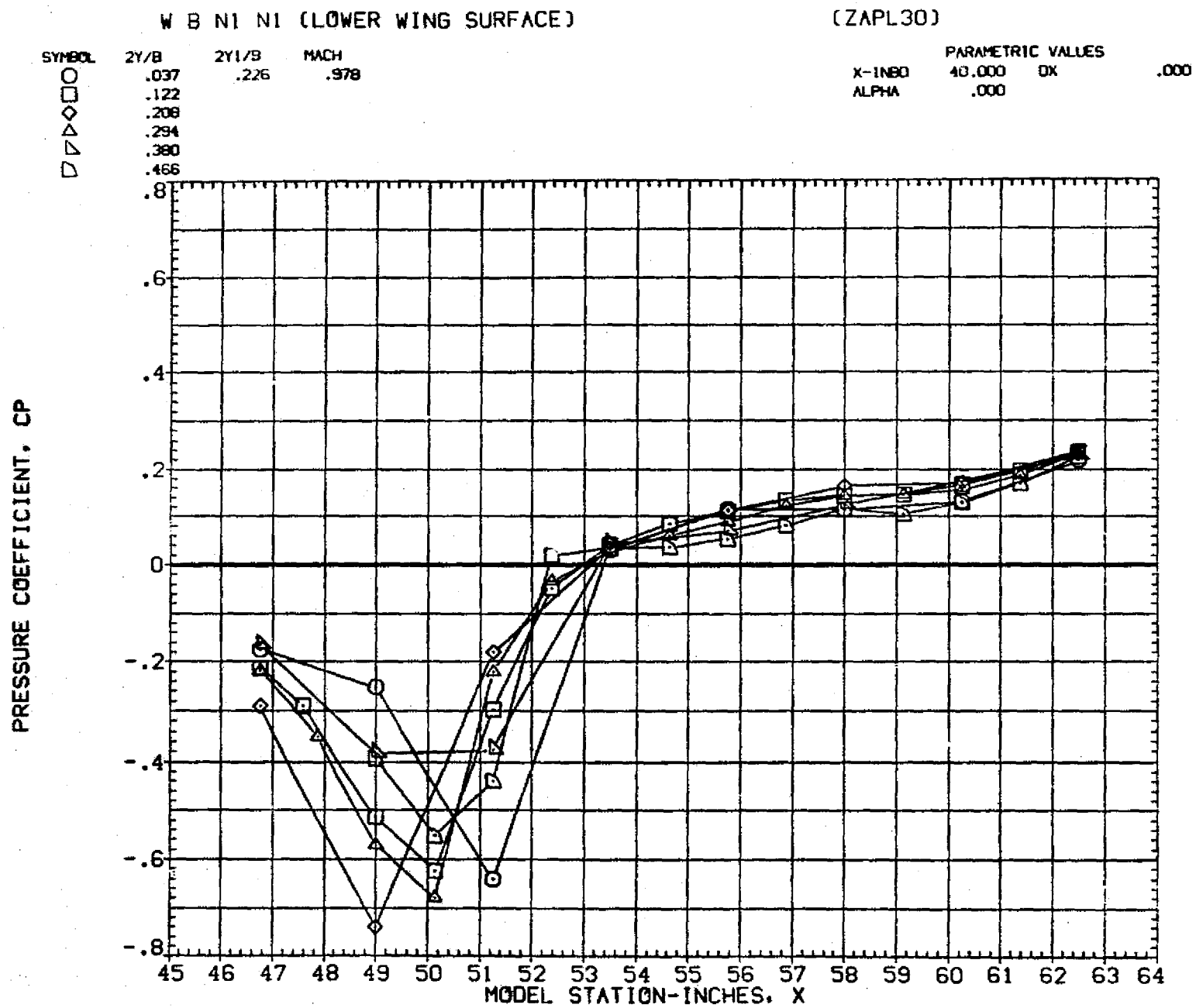


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL30)

SYMBOL	2Y/B	2YI/B	MACH
○	.551	.226	.978
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

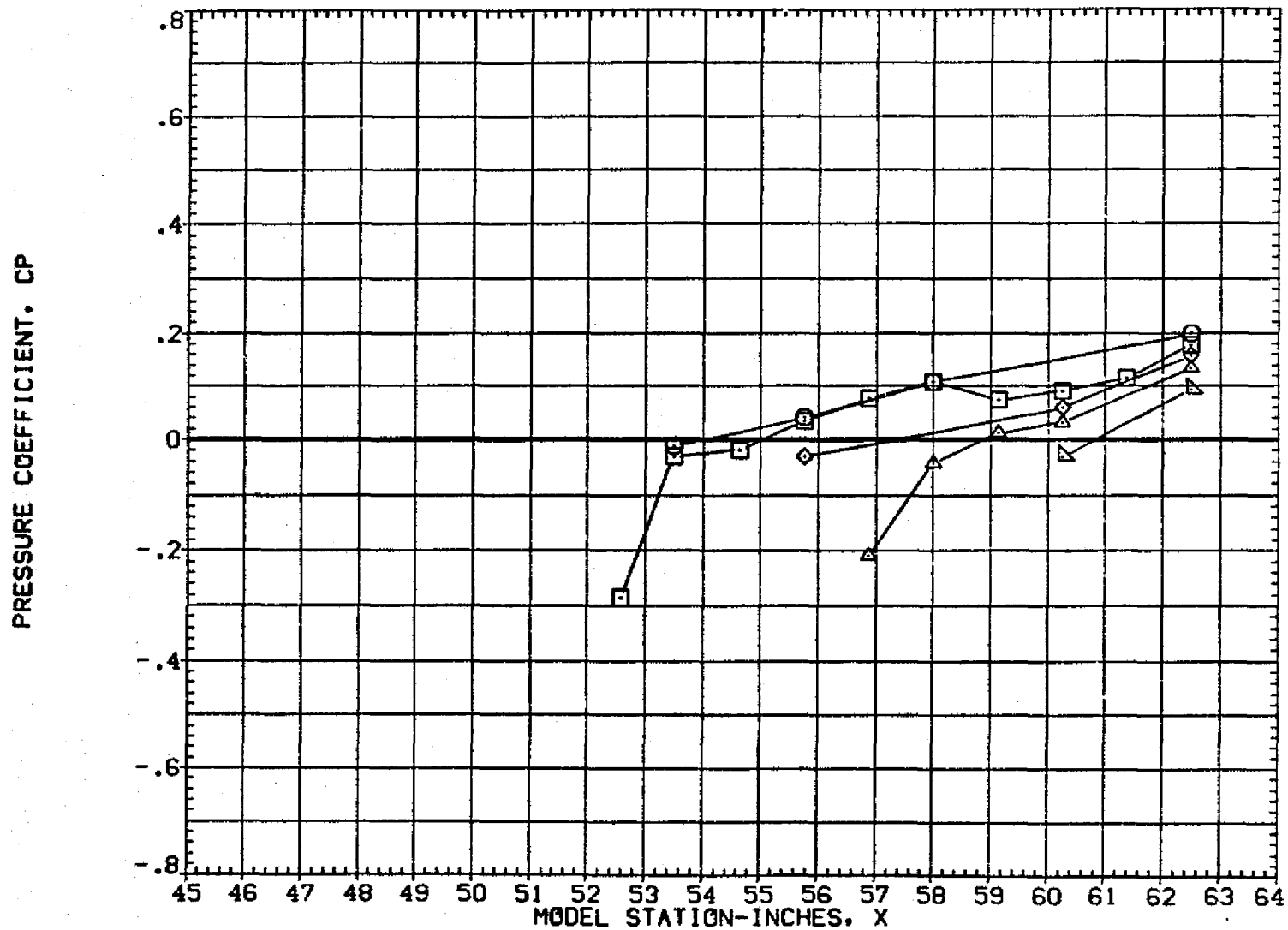


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

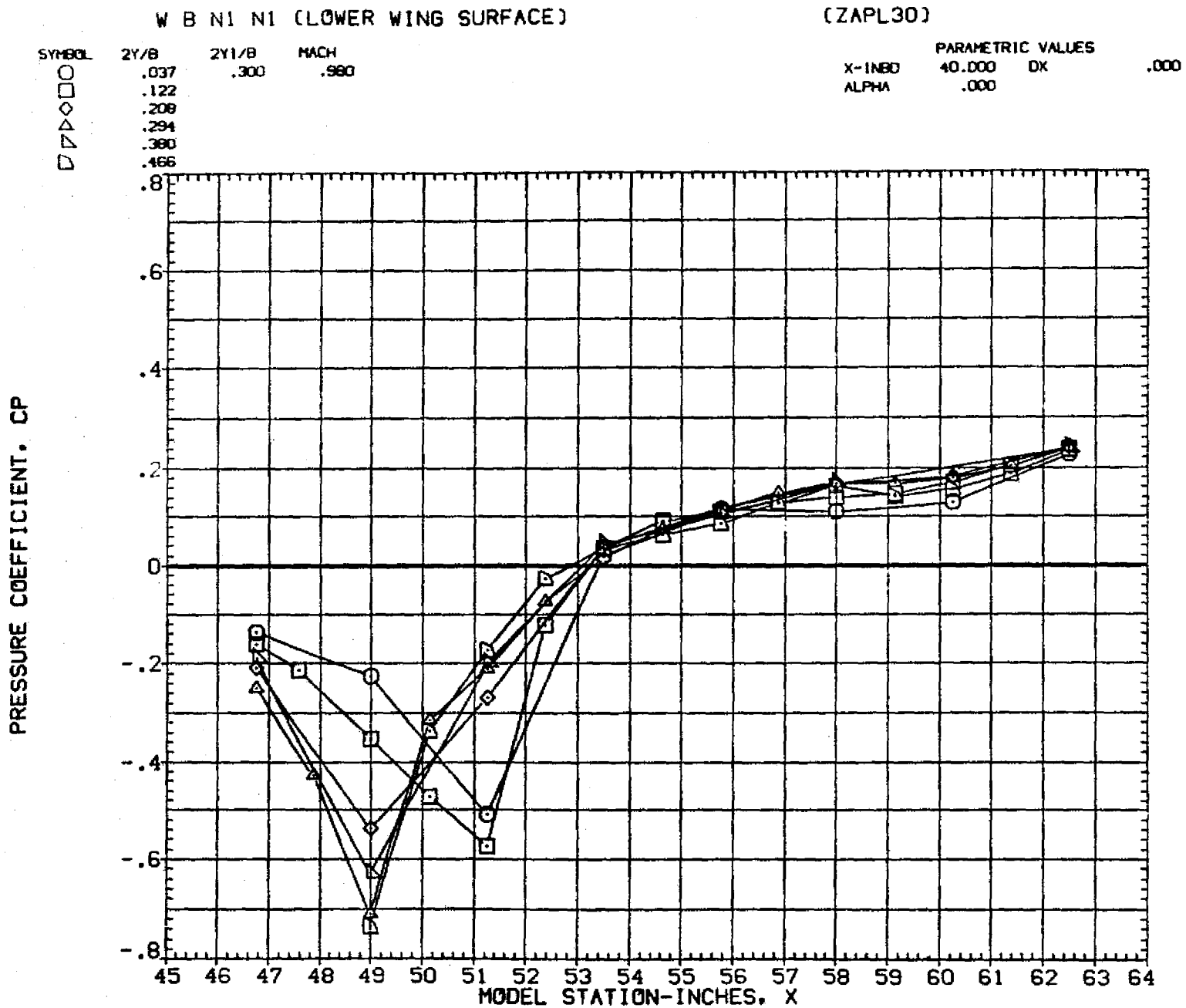


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL30)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.300	.980
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

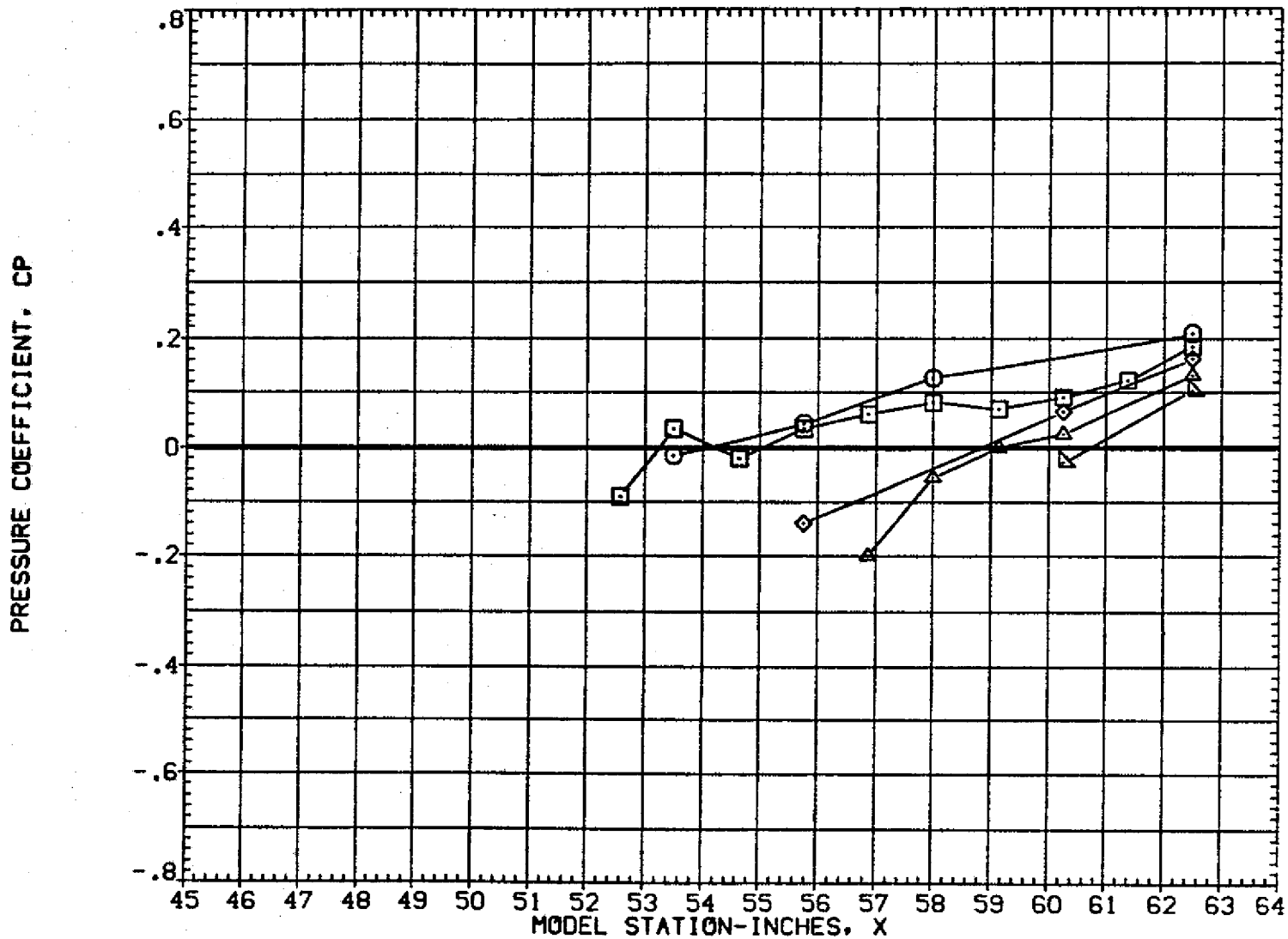


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

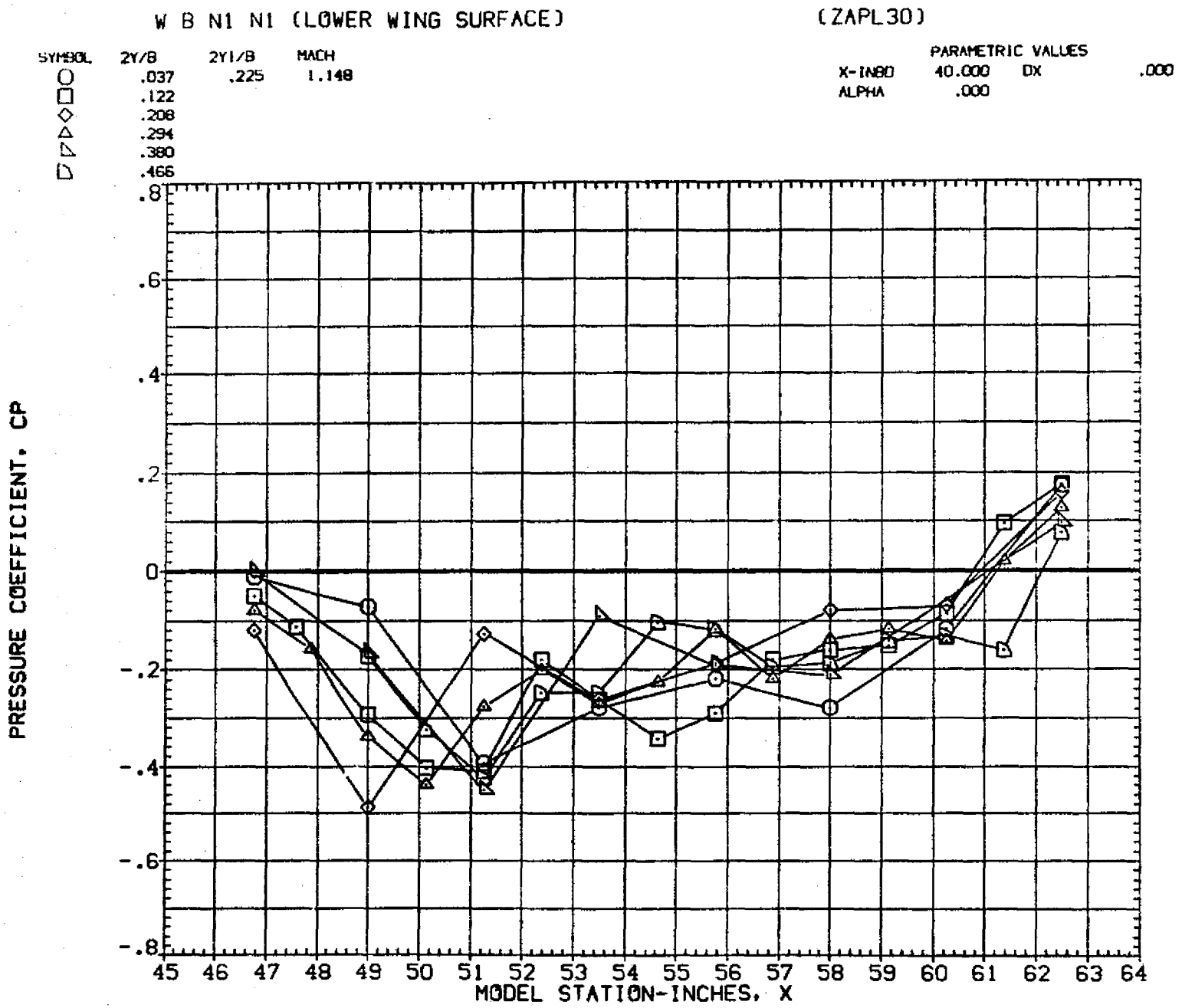


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL30)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.225	1.148
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

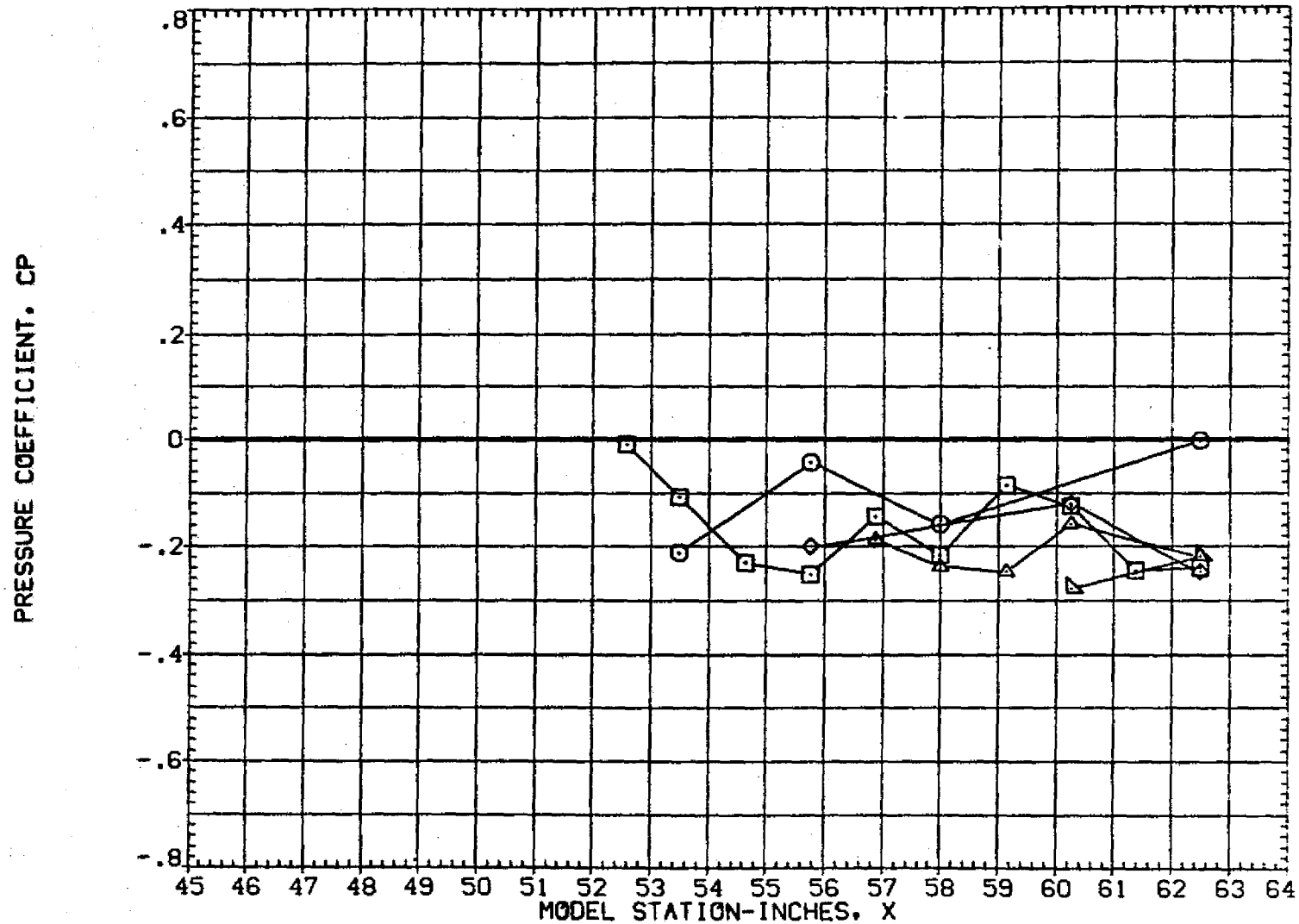


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

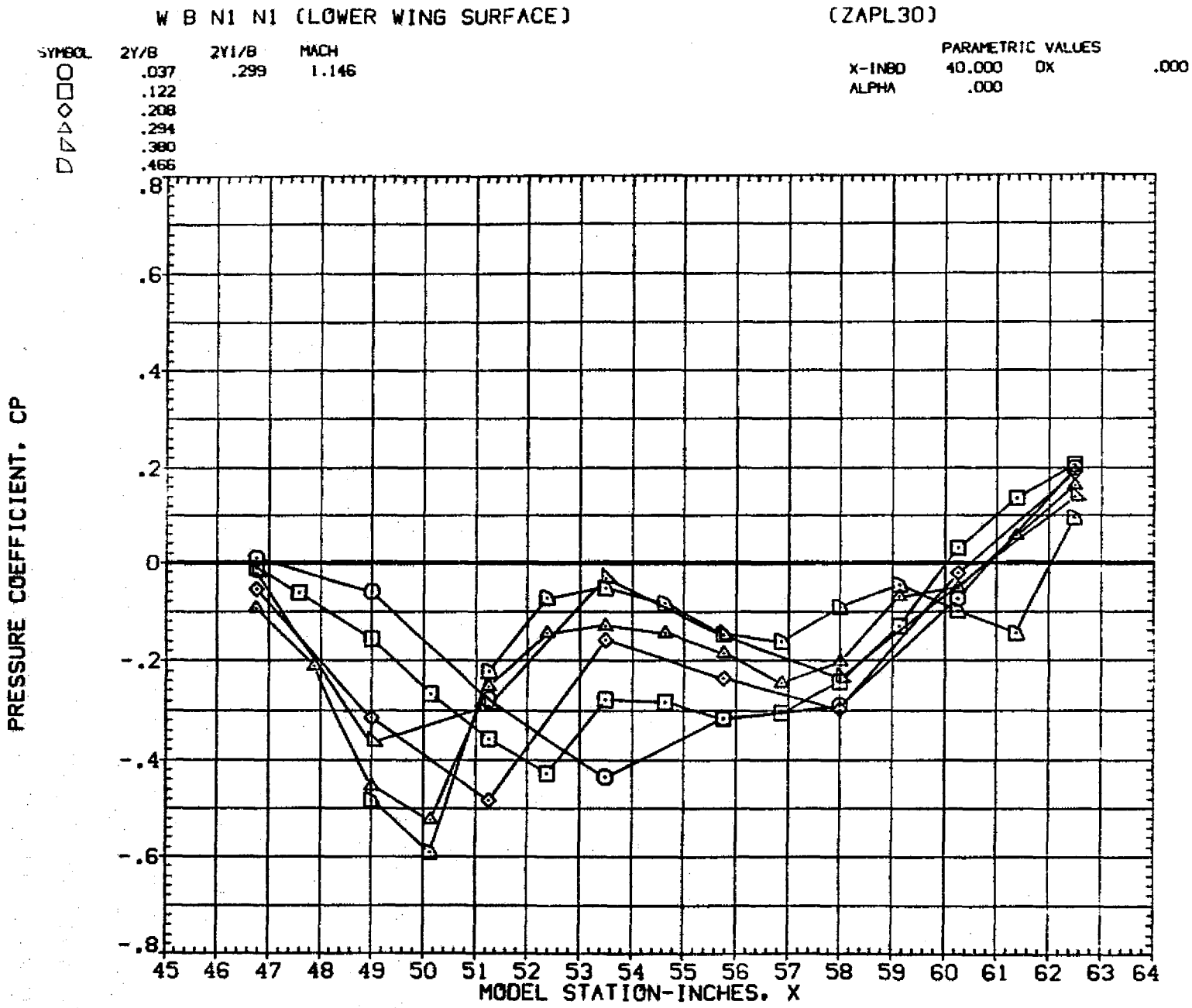


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL30)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.299	1.146
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

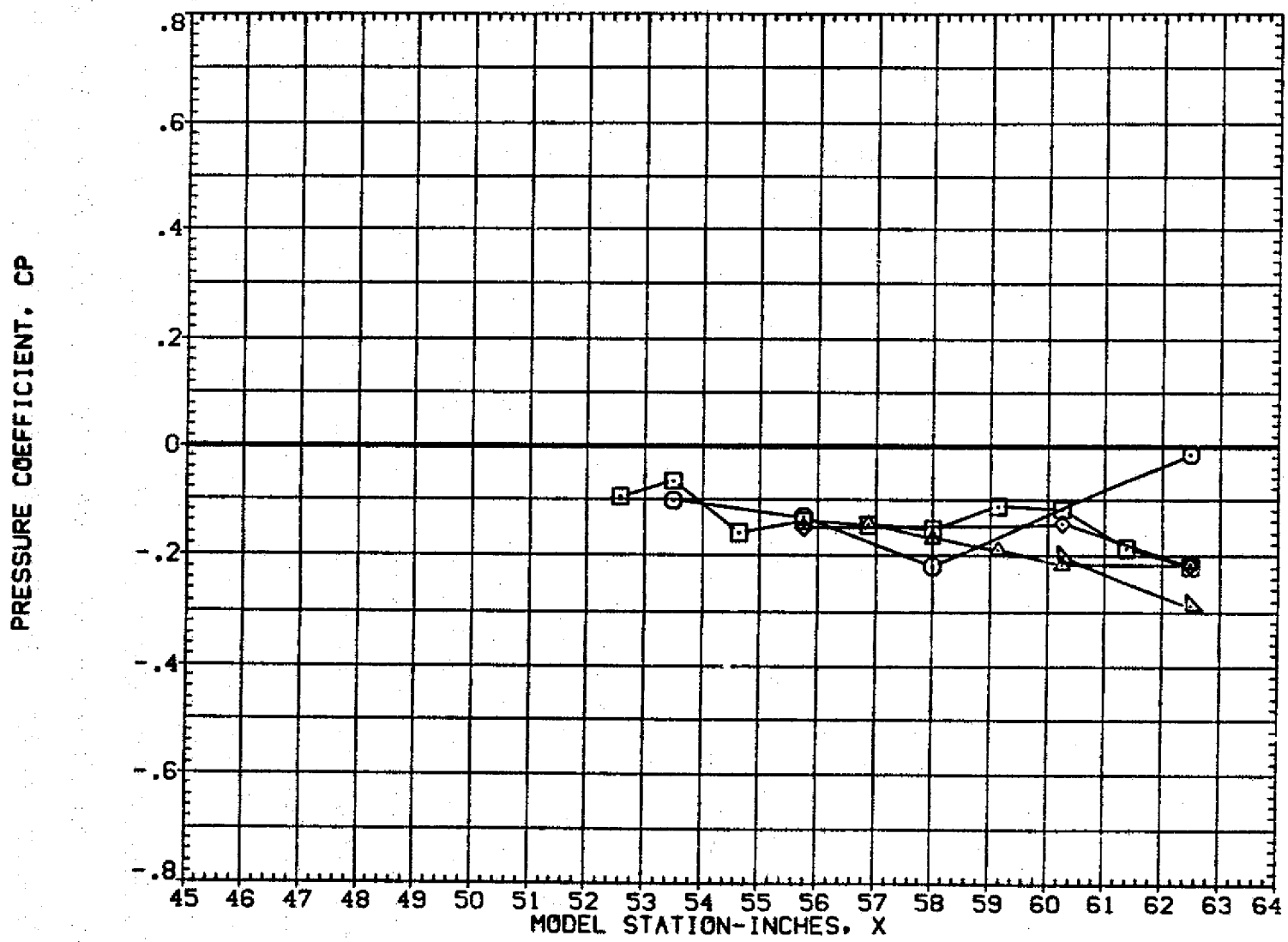


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

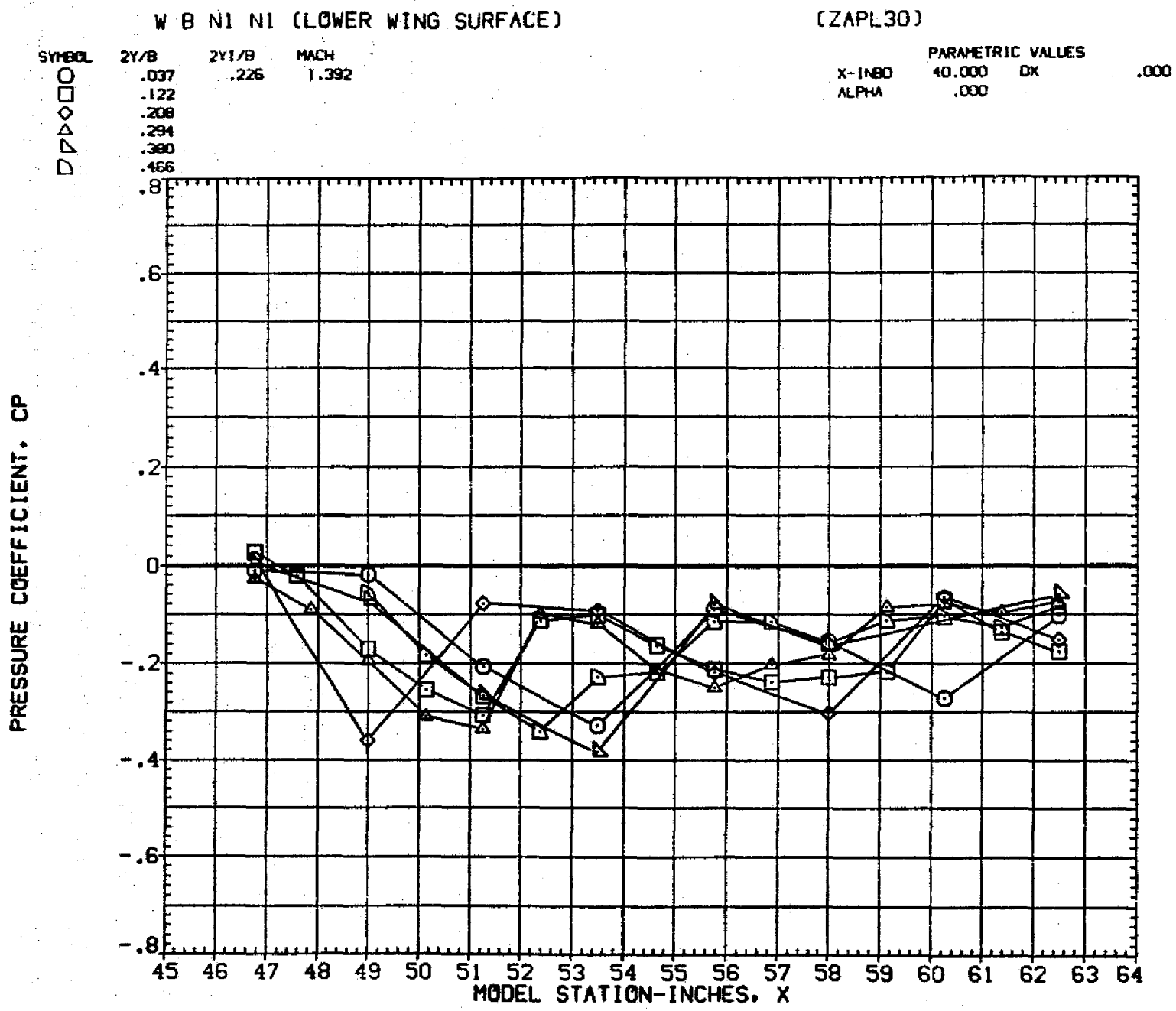


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL30)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.226	1.392
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

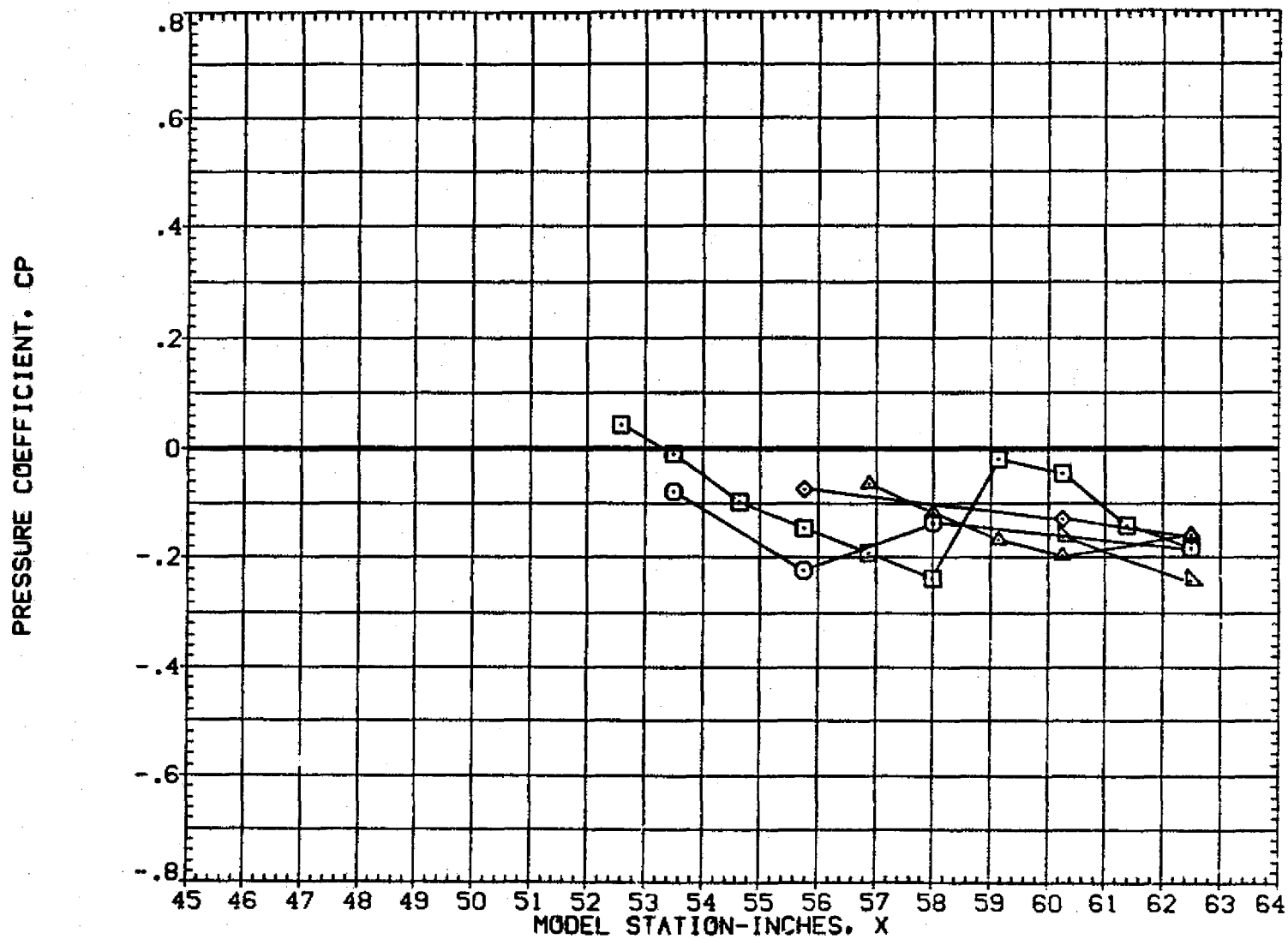


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

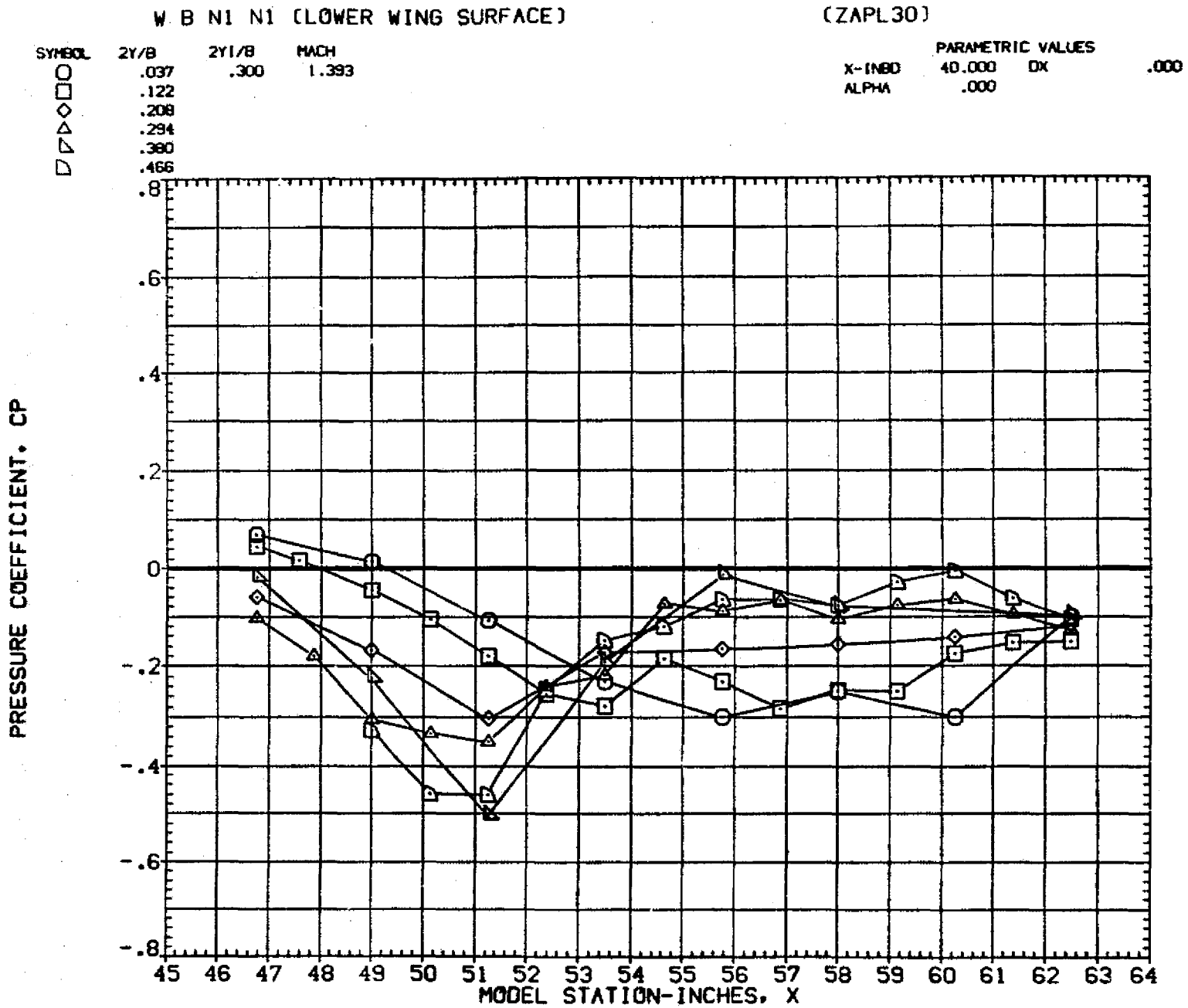


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (LOWER WING SURFACE) (ZAPL30)

SYMBOL	2Y/B	2Y1/B	MACH
○	.551	.300	1.393
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

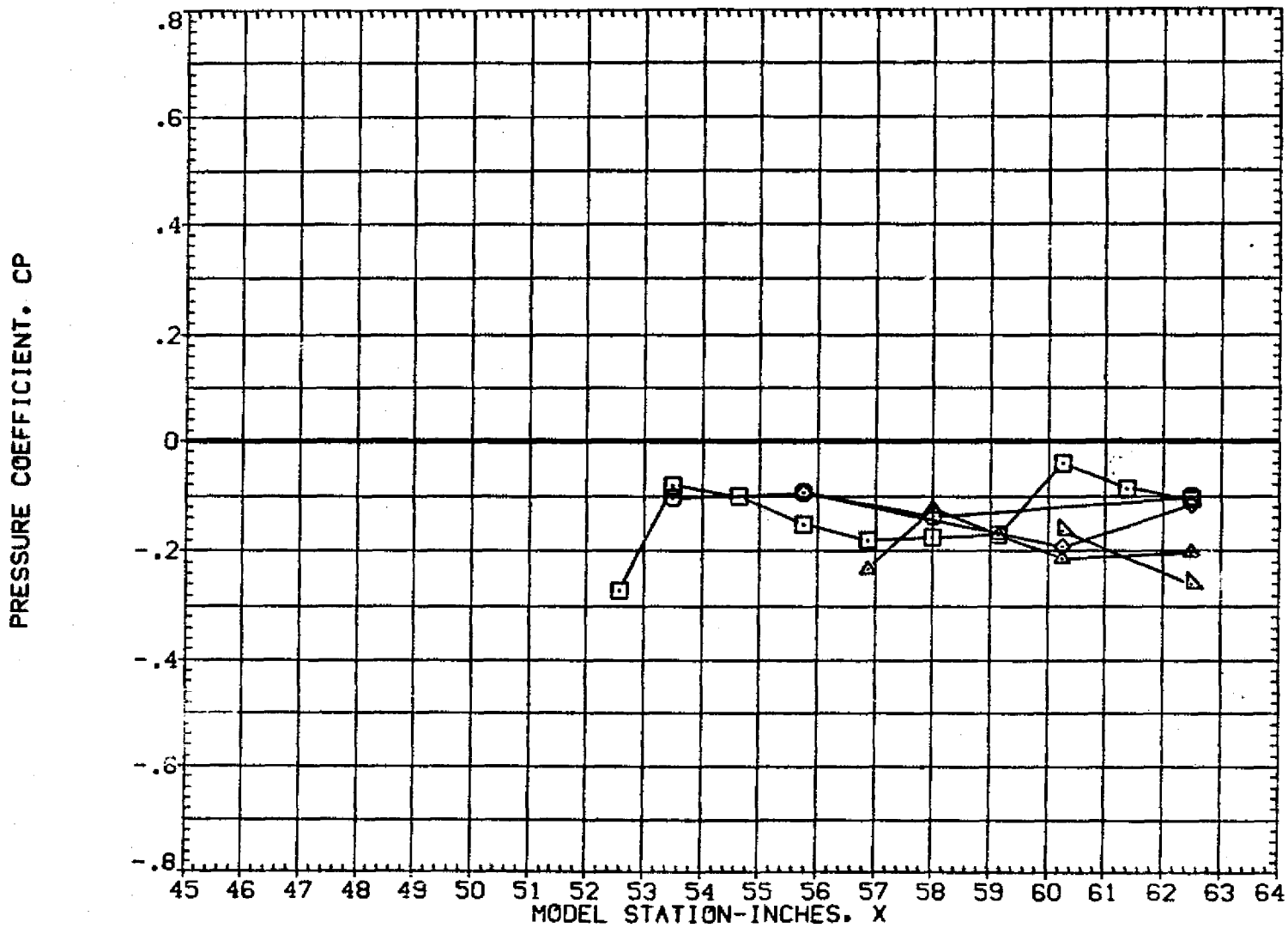


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

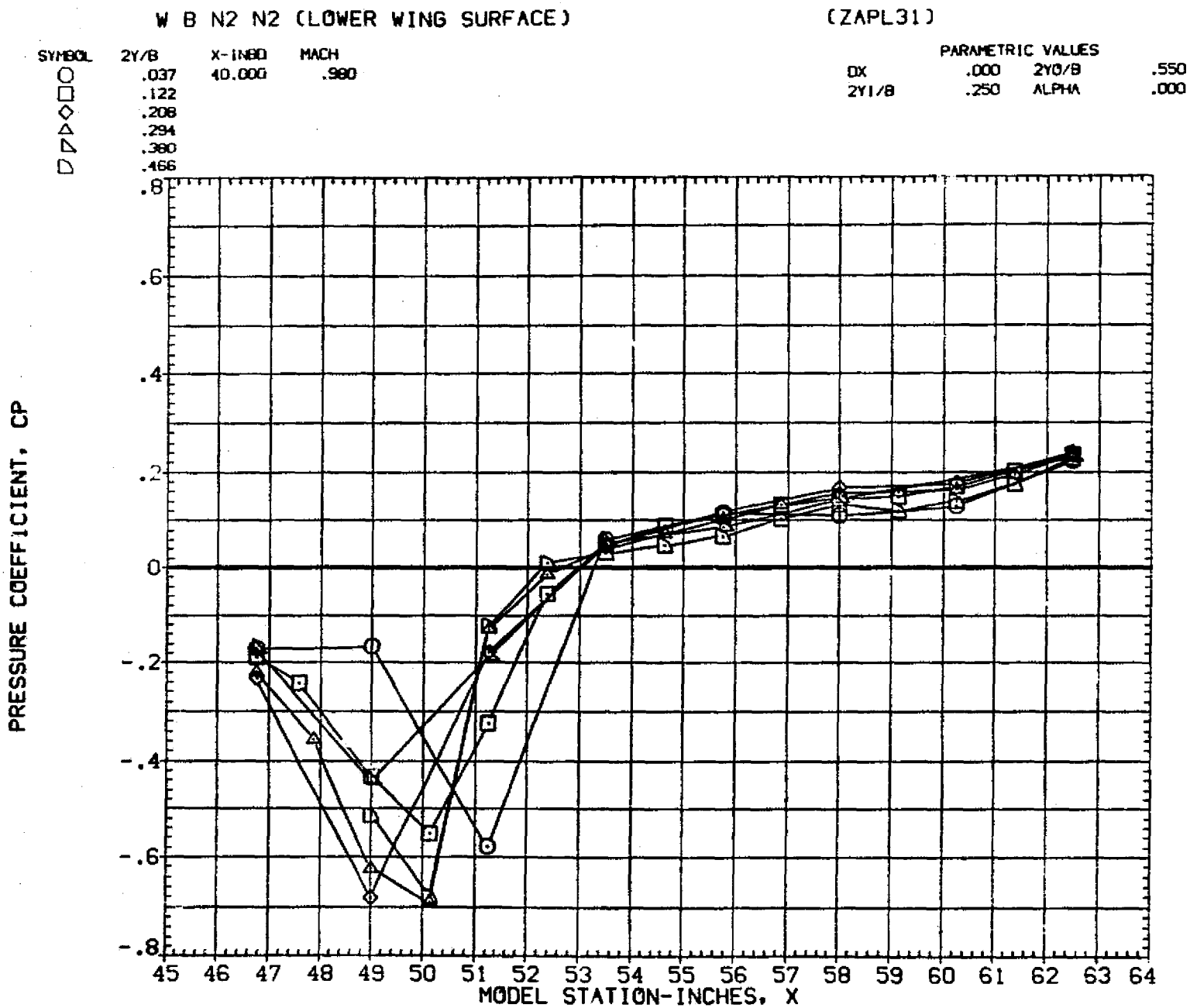


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	40.000	.980
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

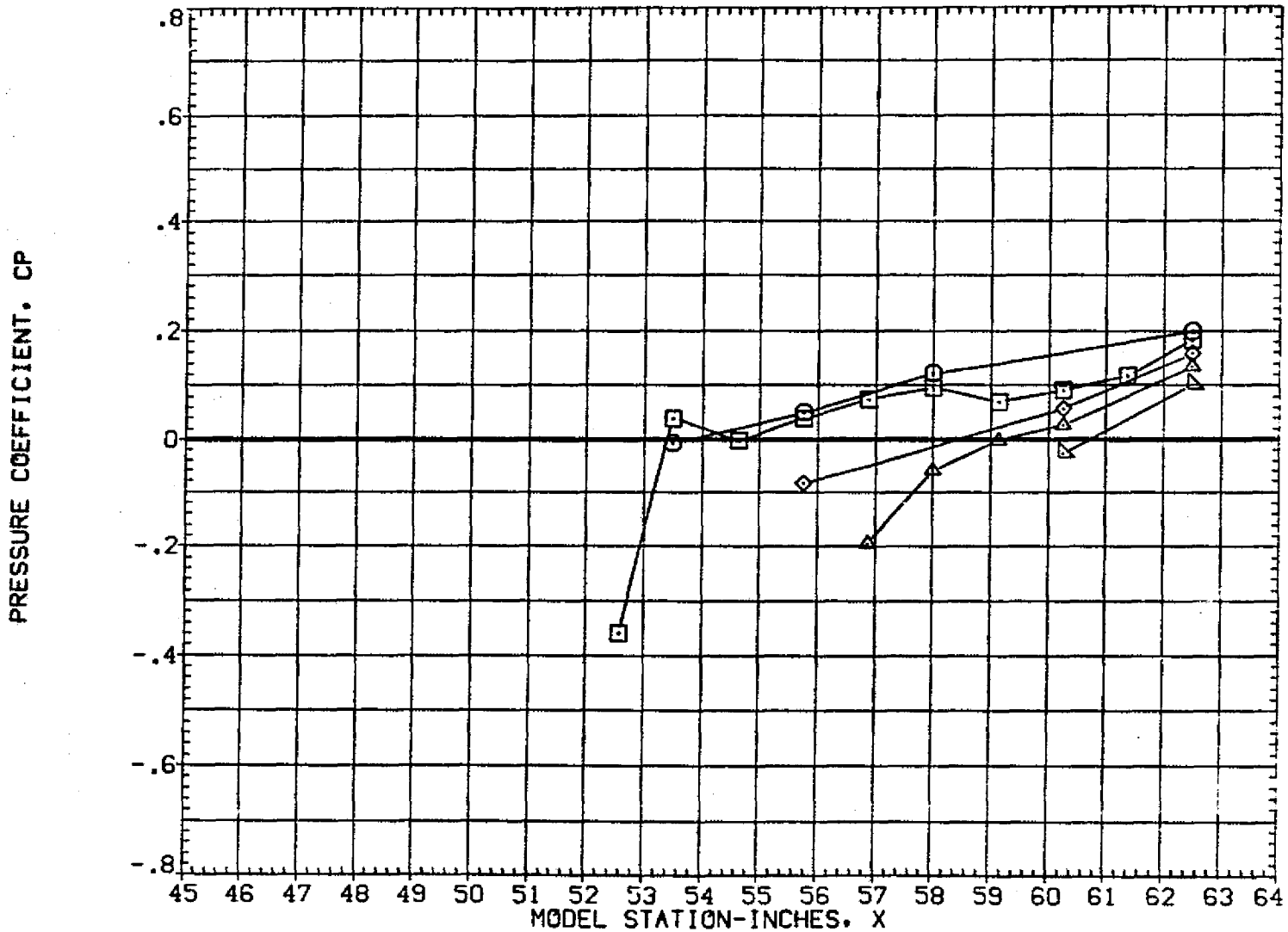


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

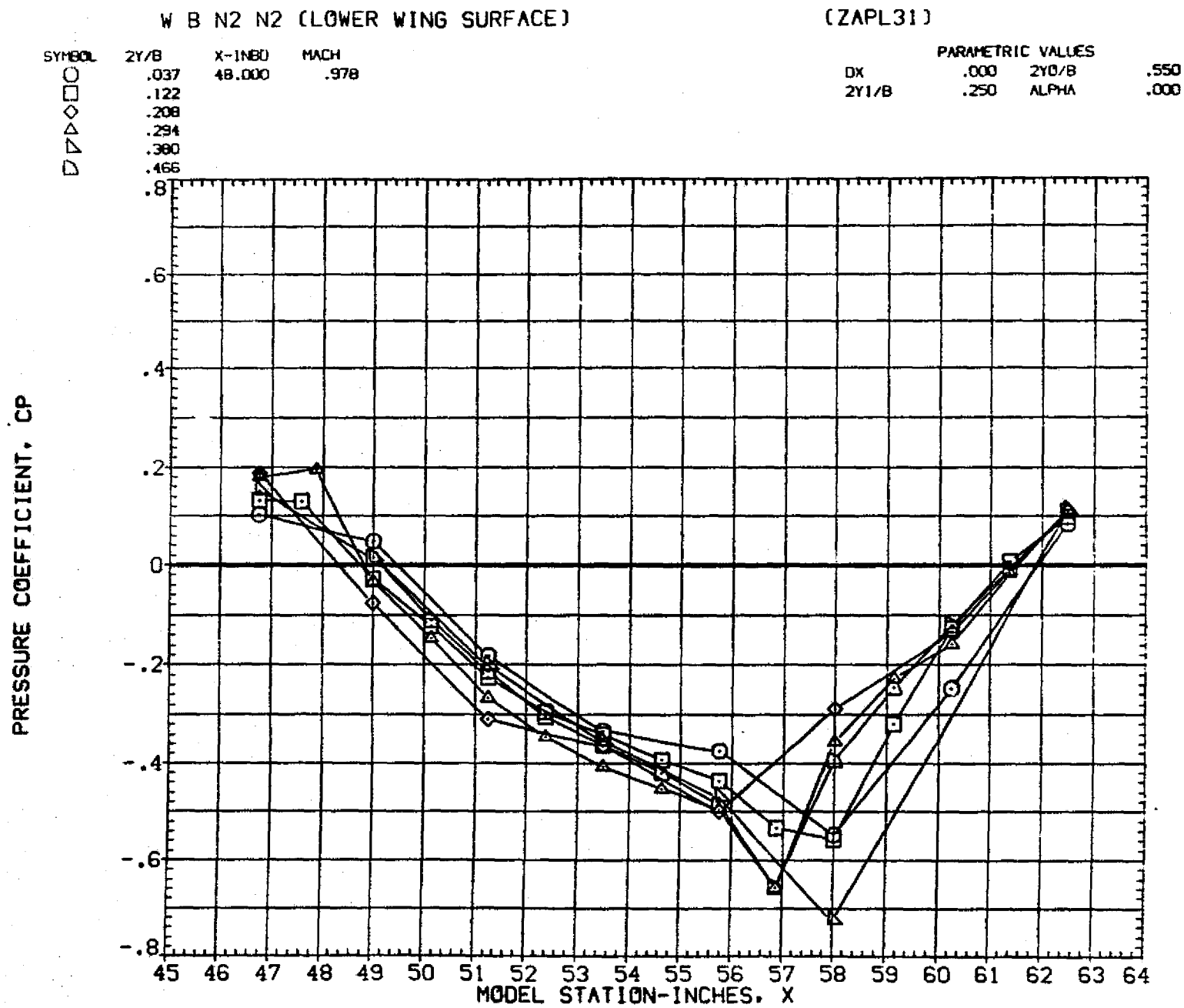


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBO	MACH
○	.551	48.000	.978
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

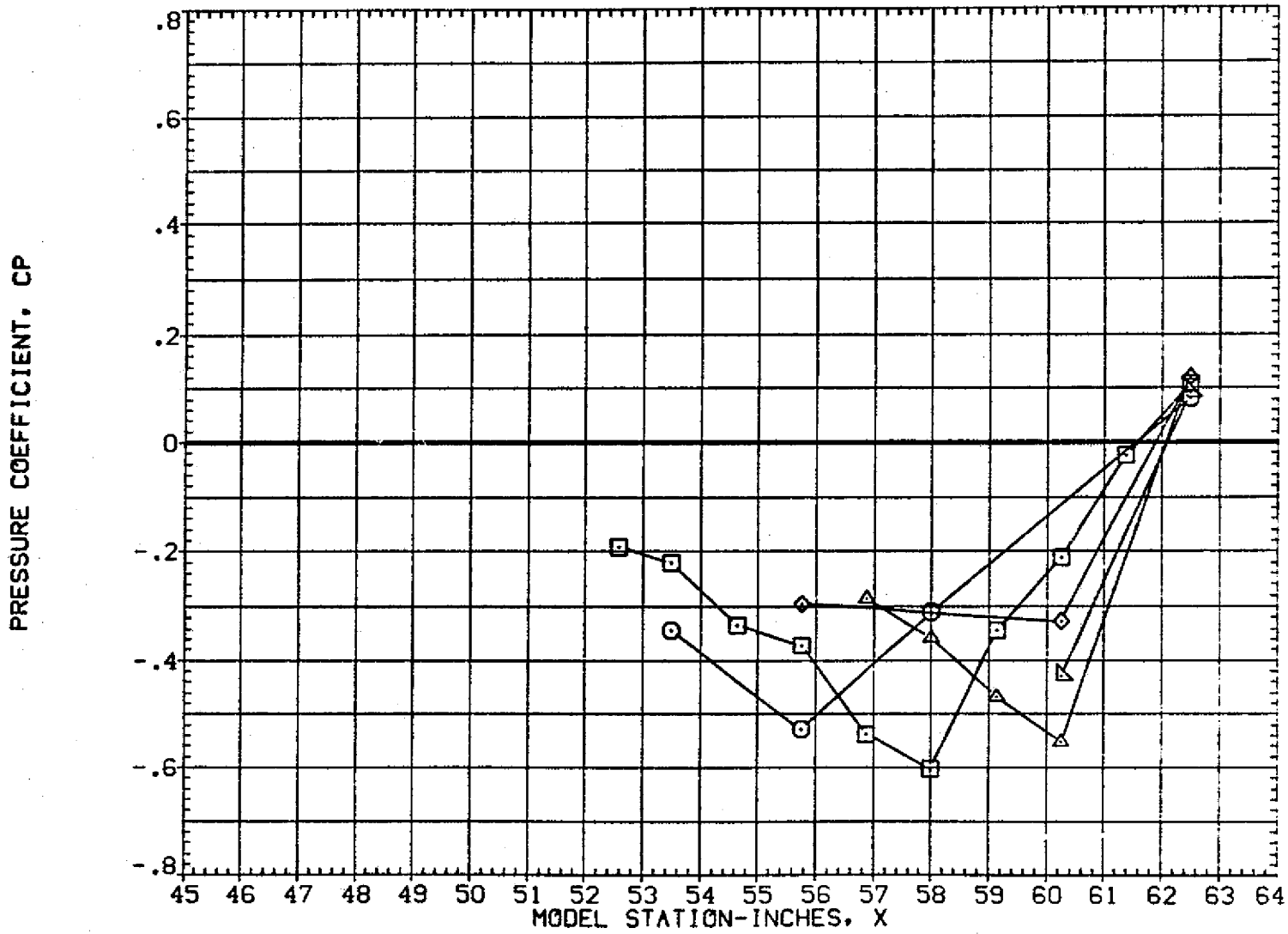


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

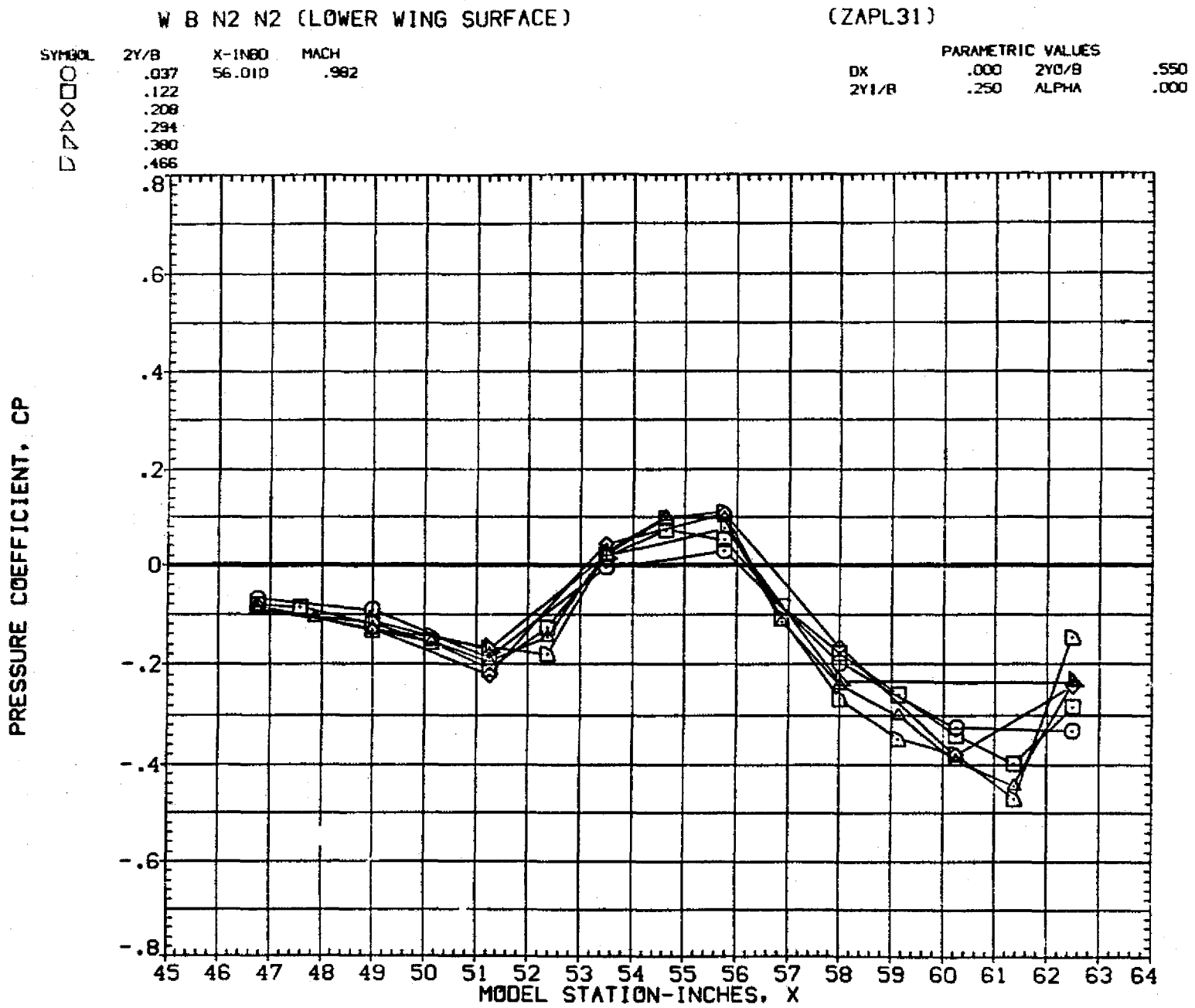


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.010	.982
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

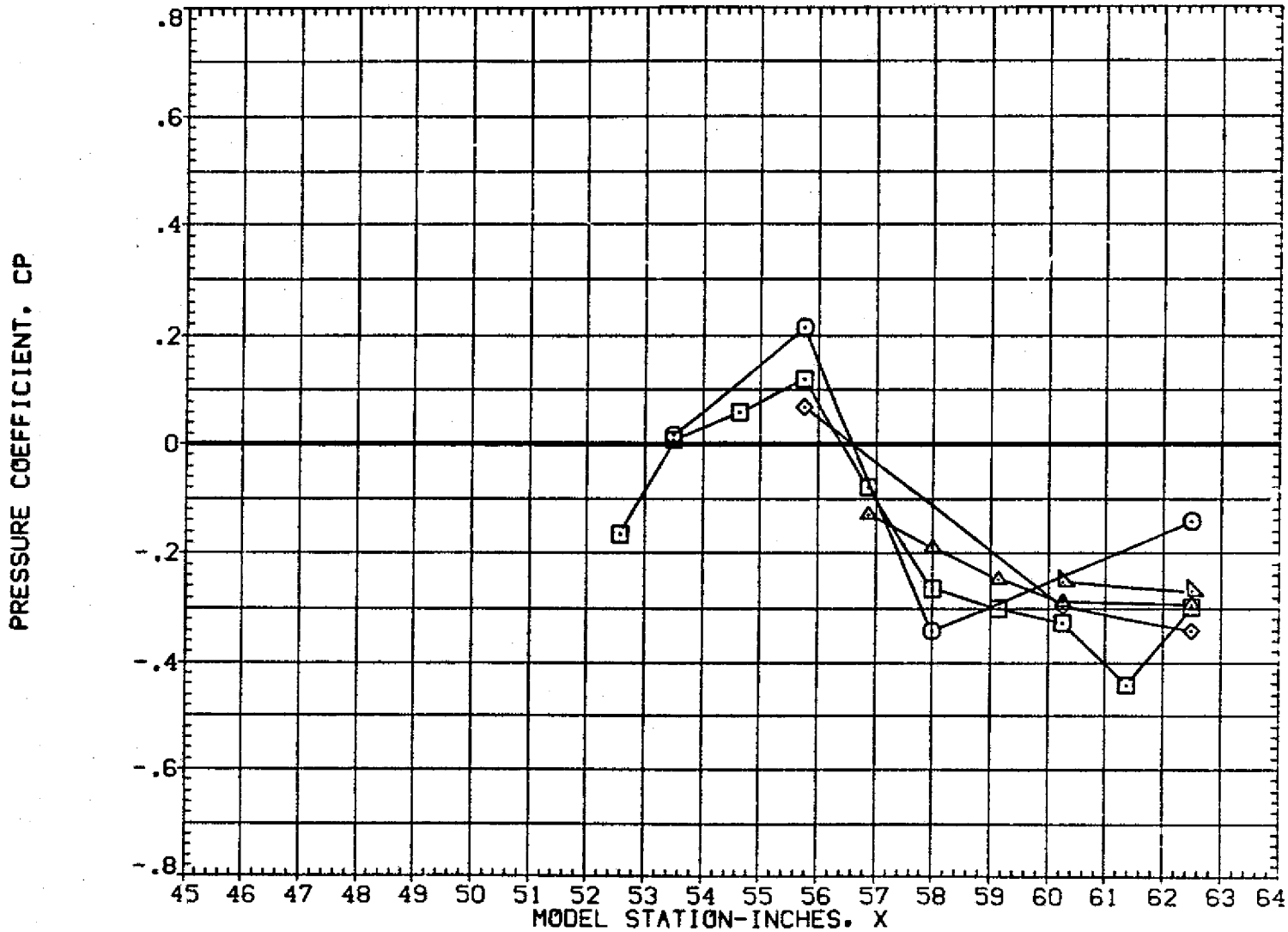


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

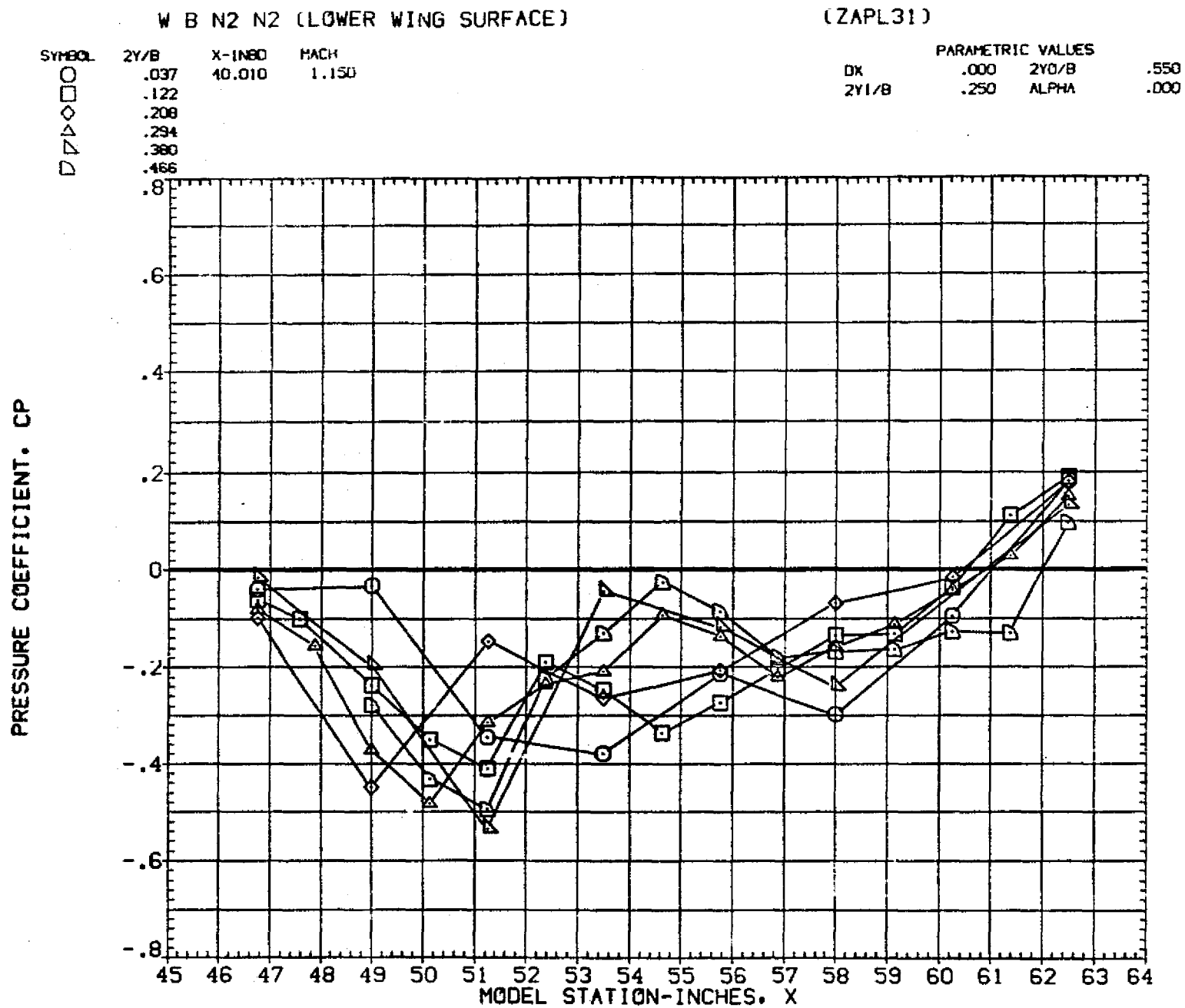


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	40.010	1.150
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

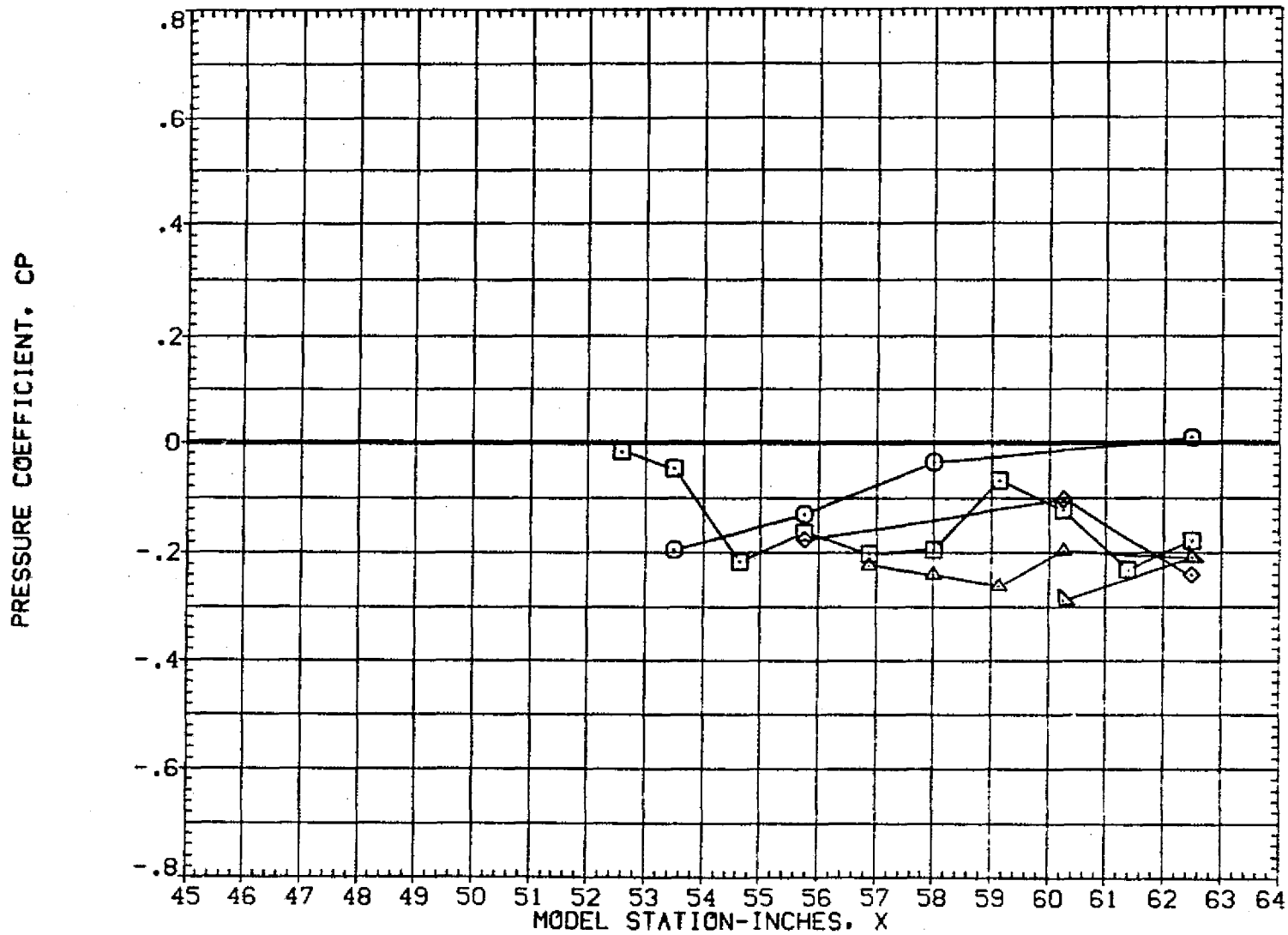


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

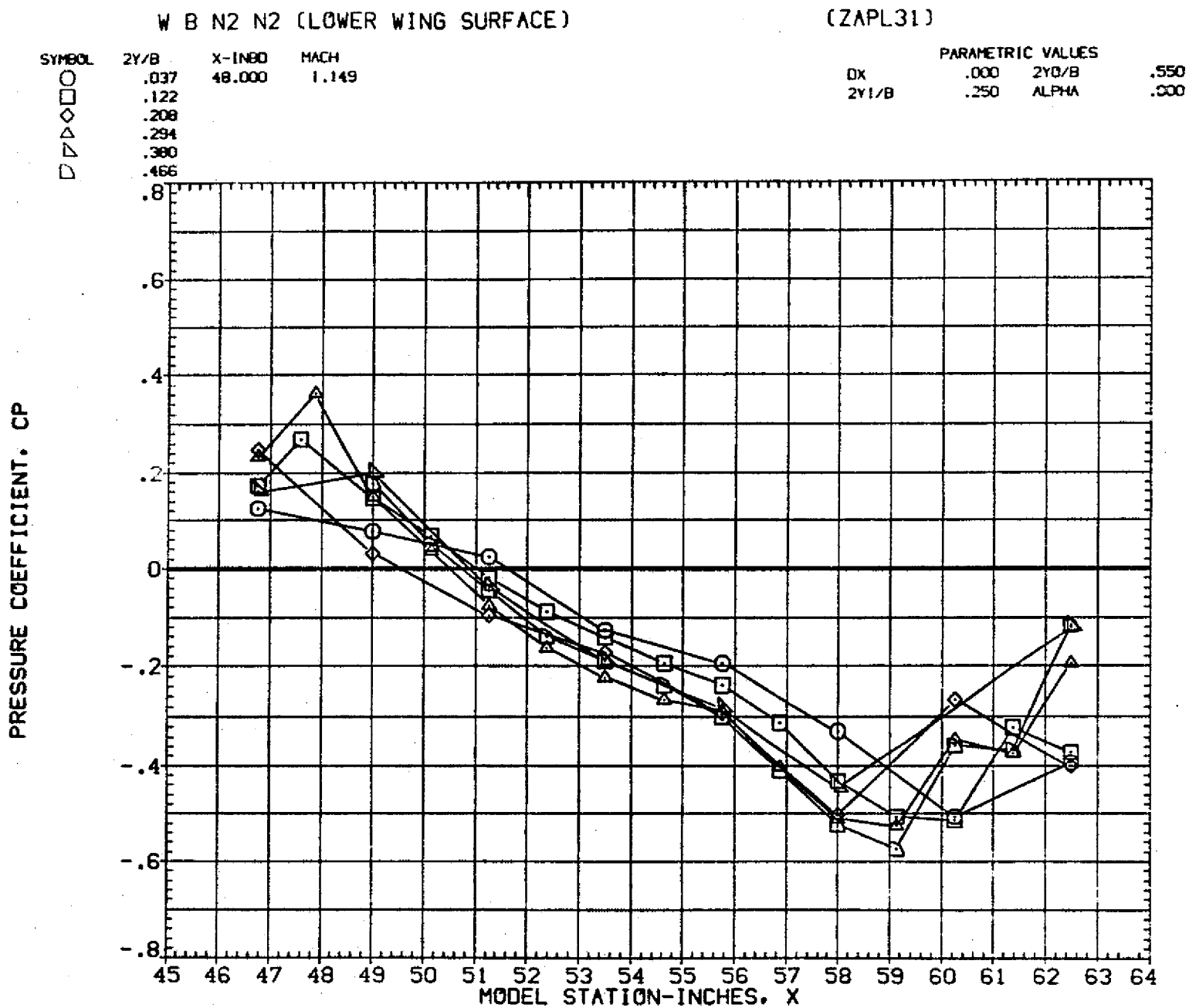


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.000	1.149
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

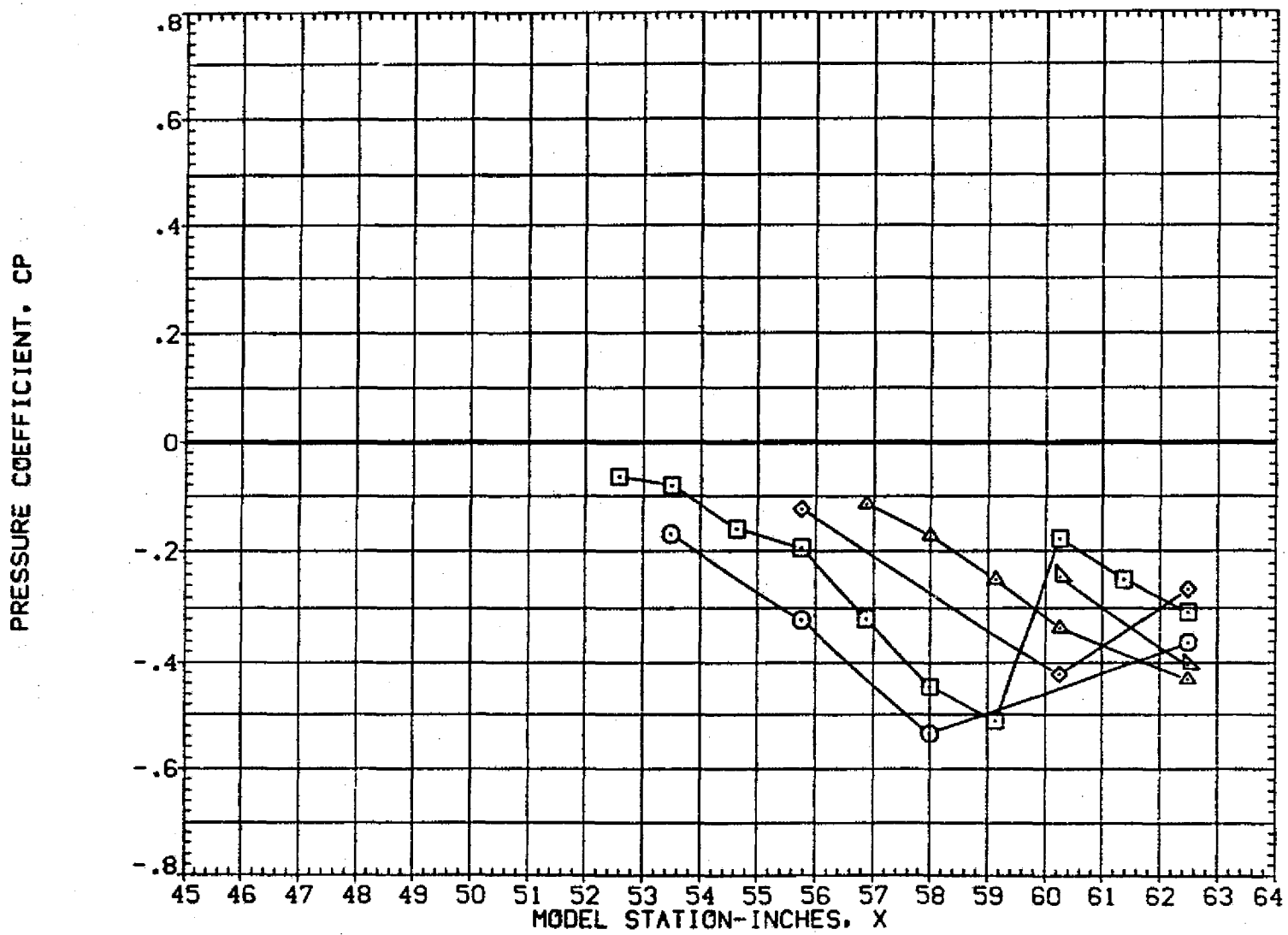


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

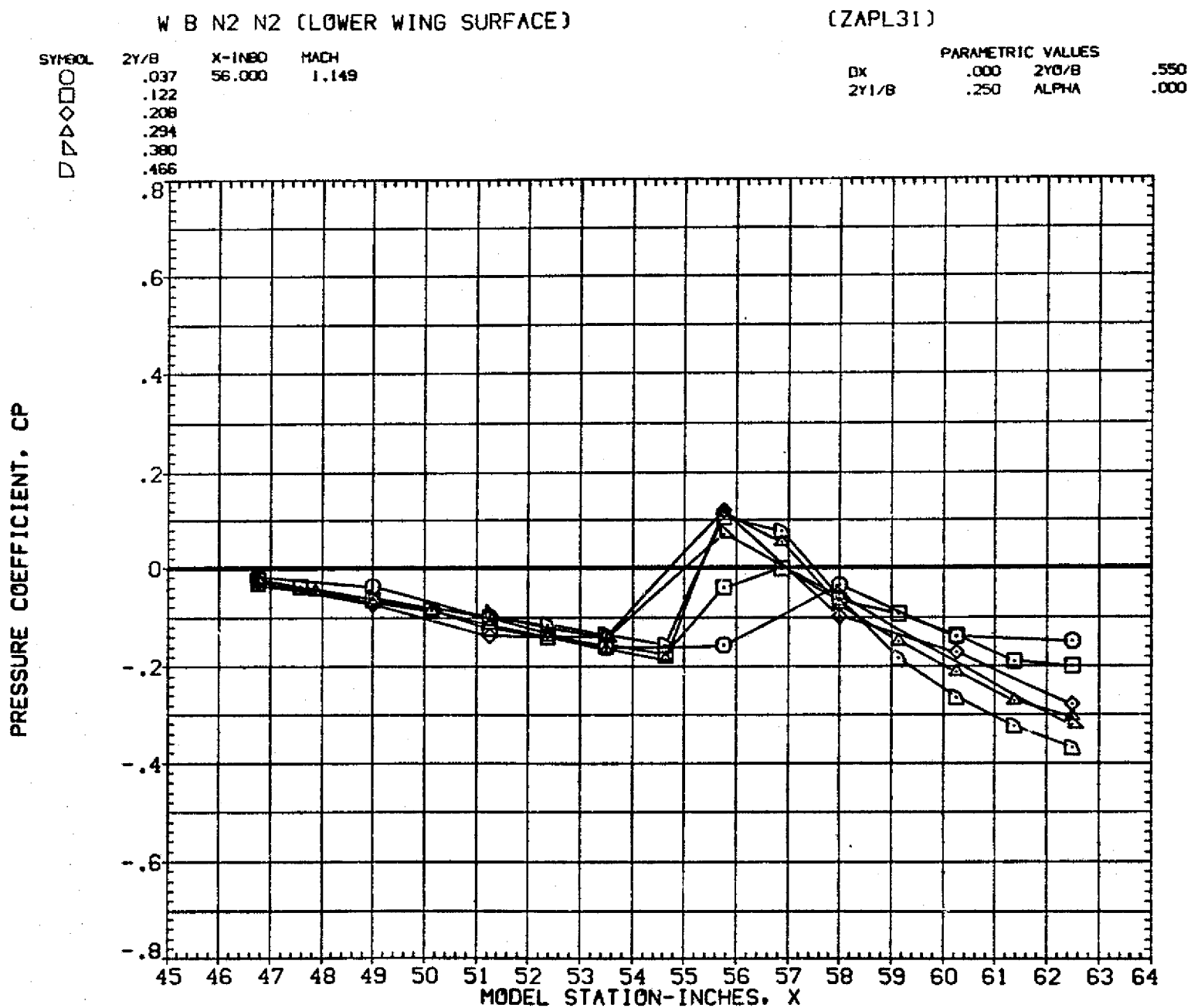


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.000	1.149
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

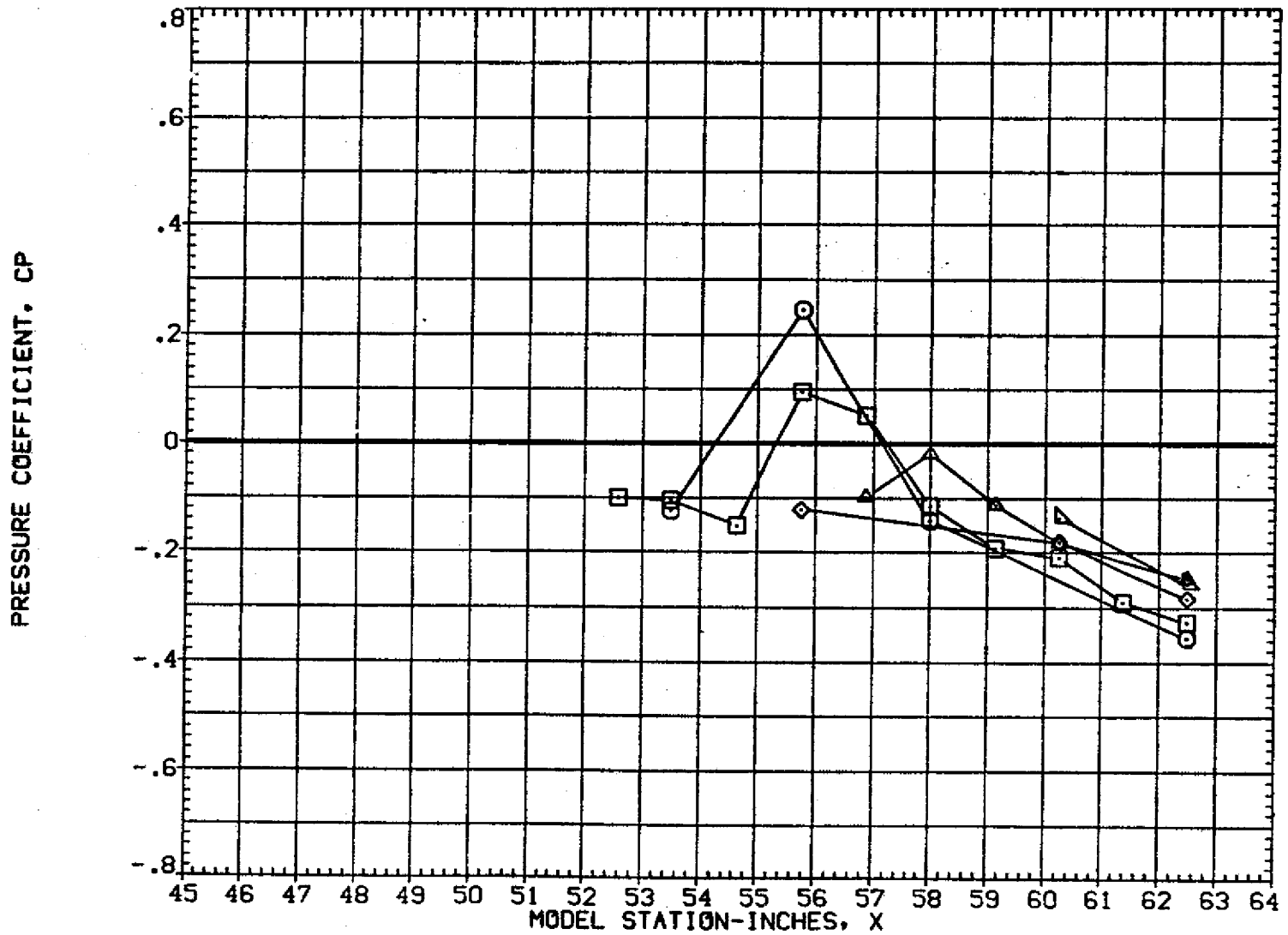


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

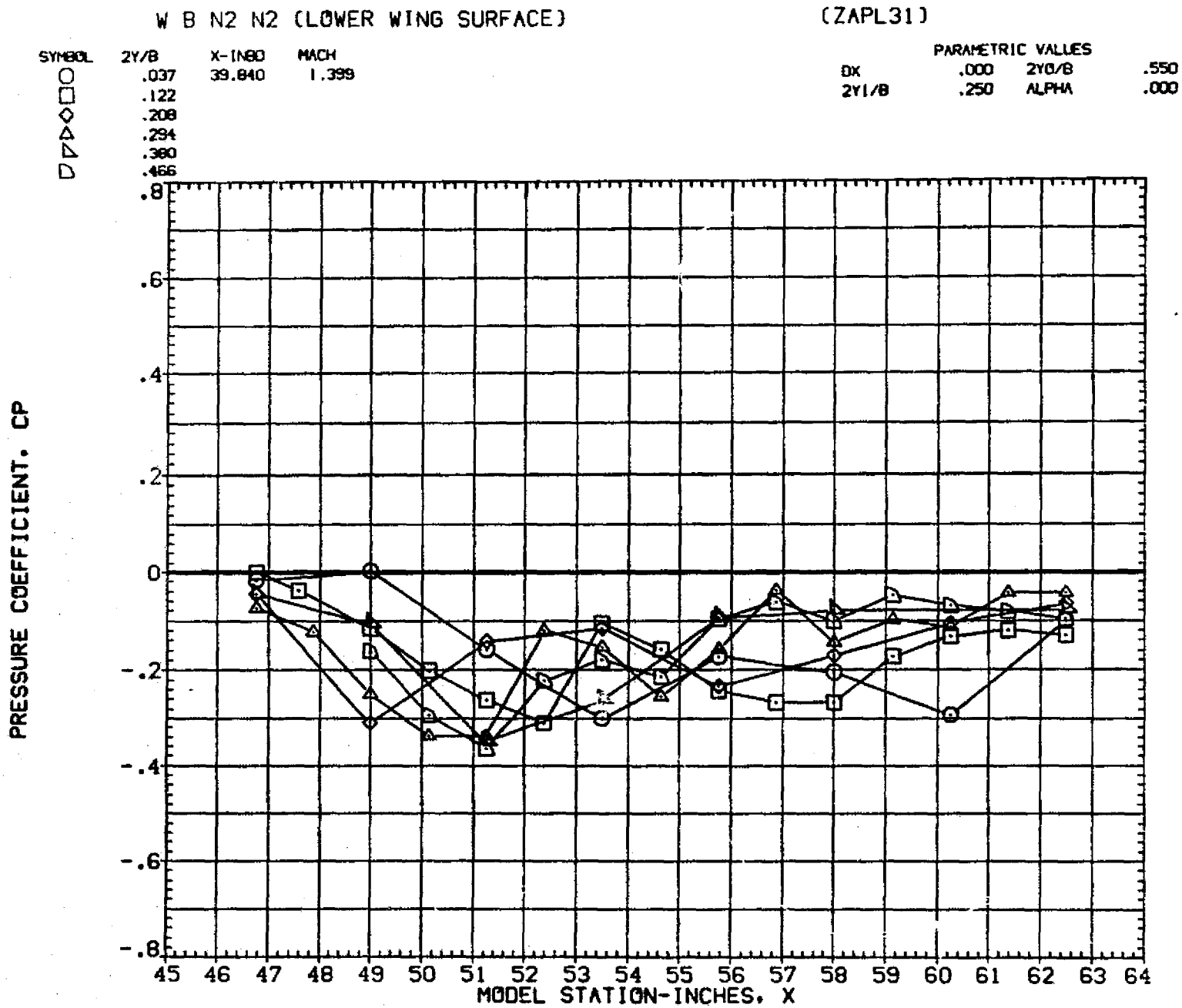


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	39.840	1.399
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

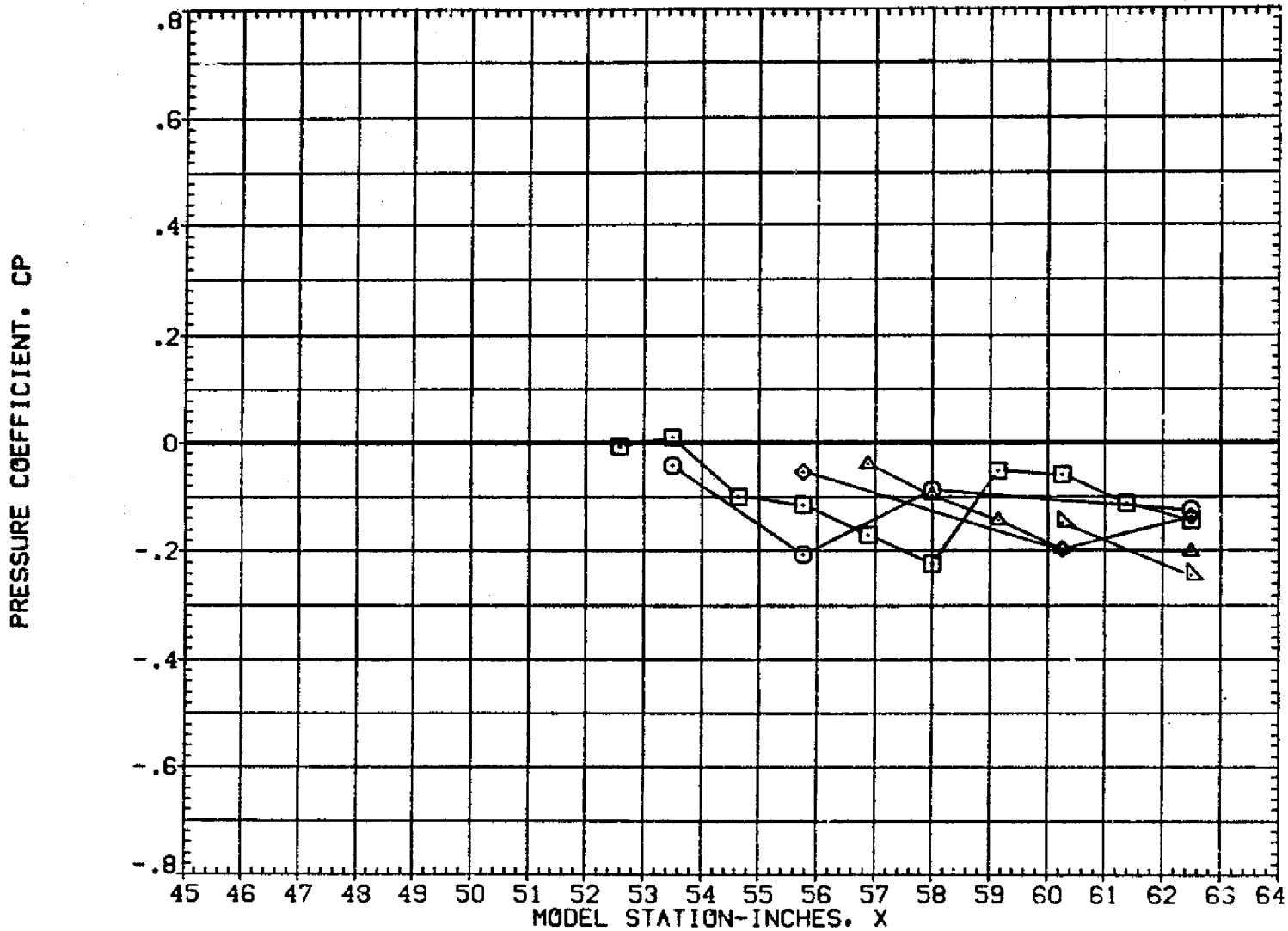


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

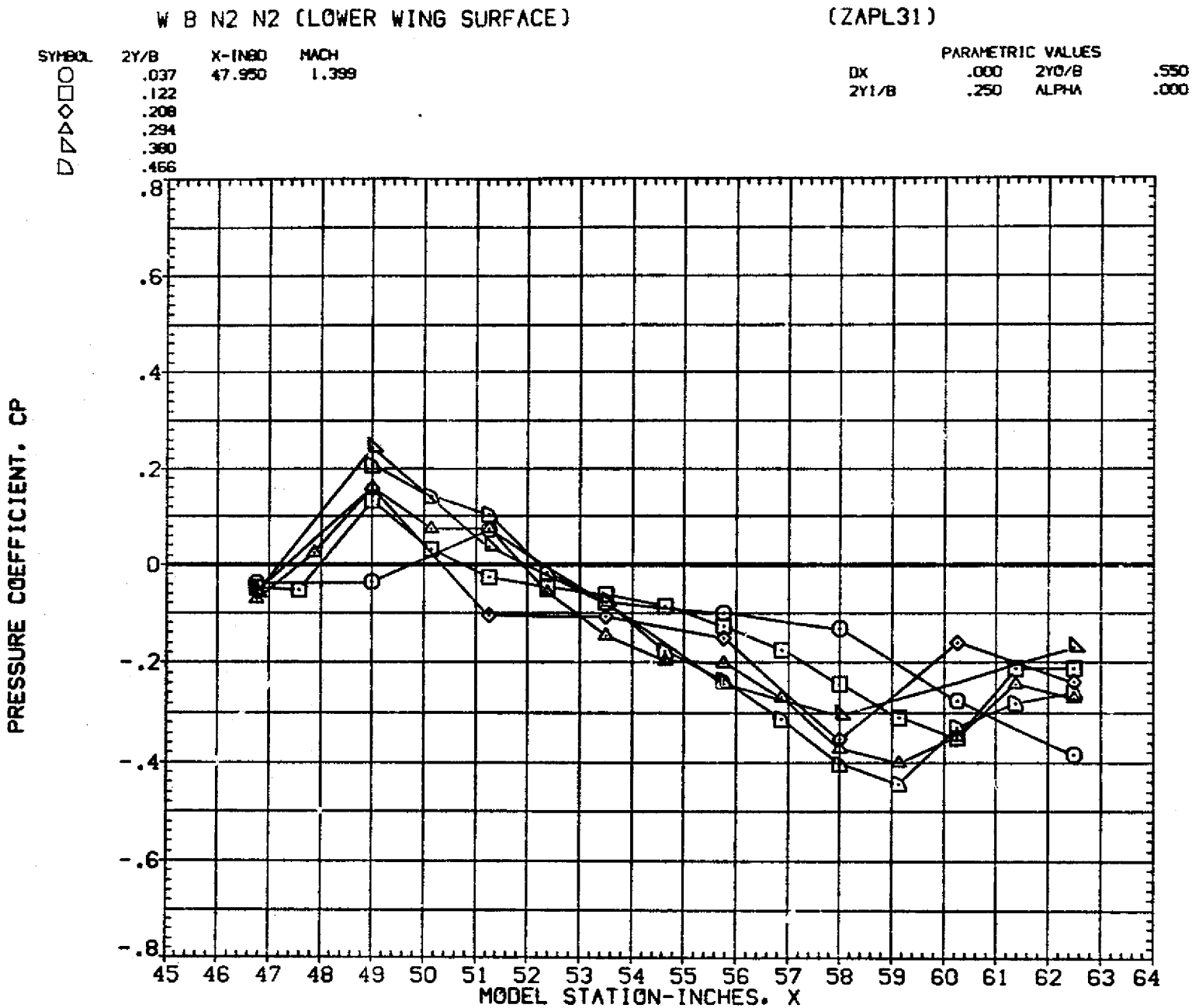


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	47.950	1.399
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

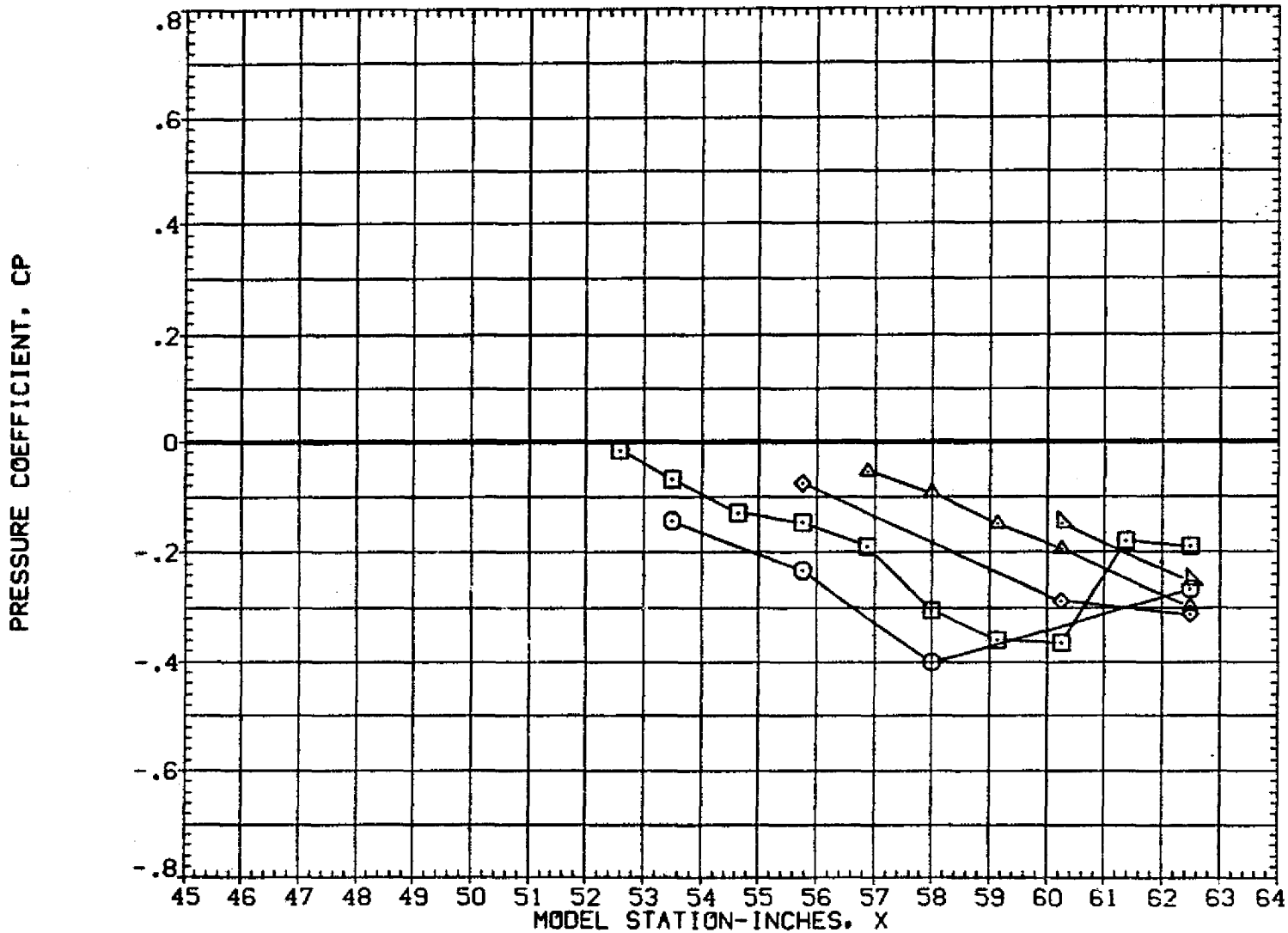


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

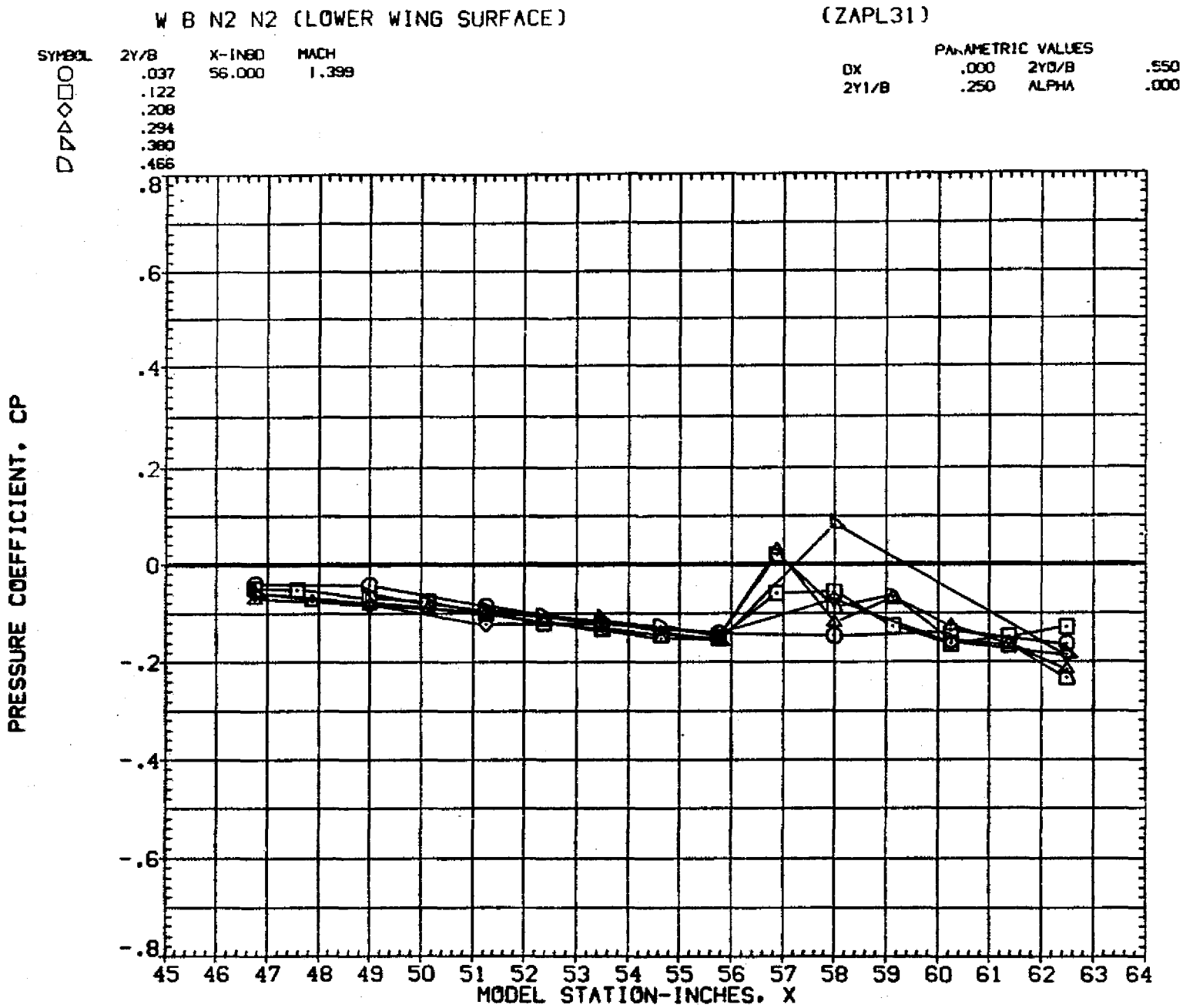


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (LOWER WING SURFACE) (ZAPL31)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.000	1.399
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

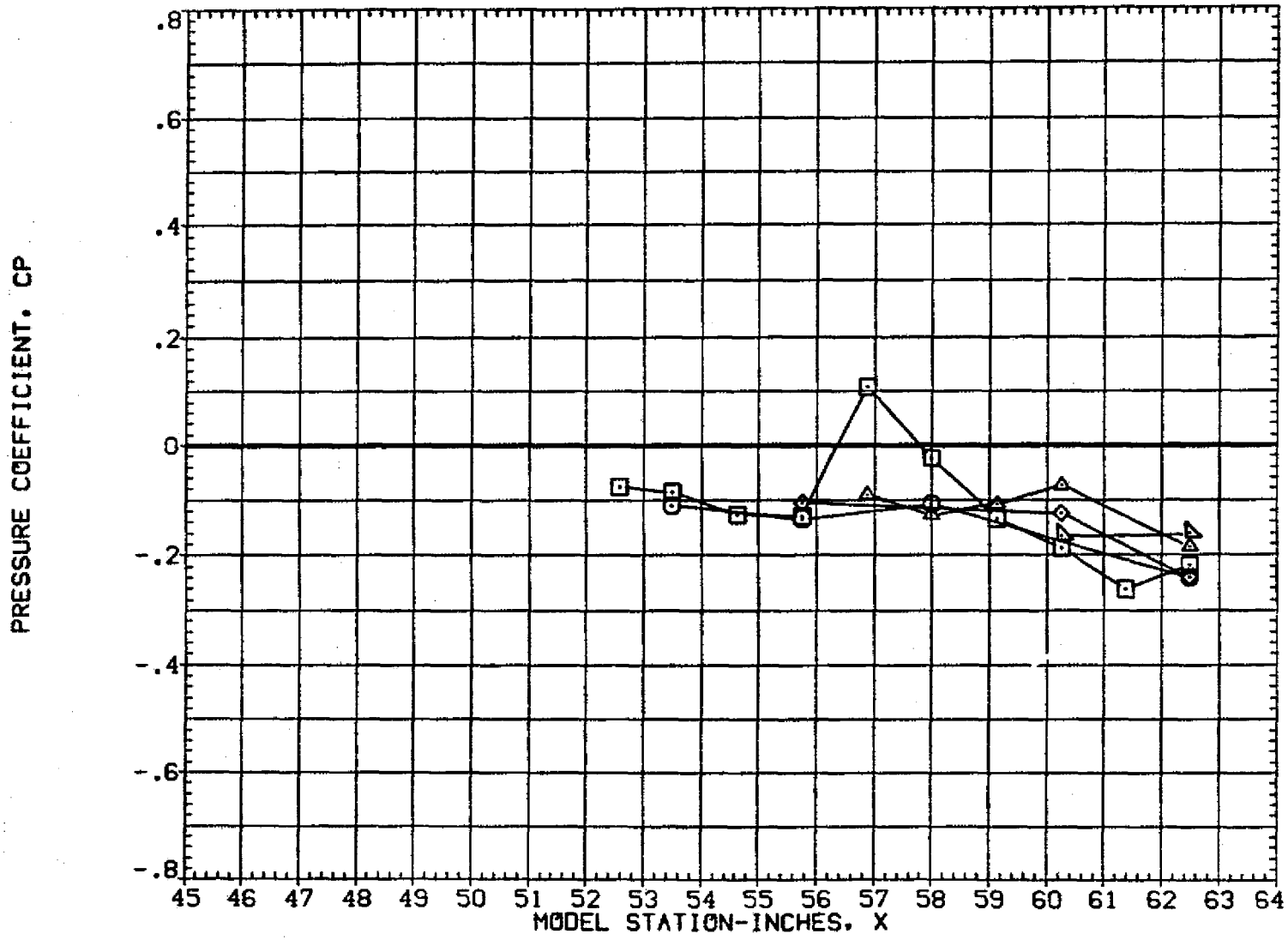


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

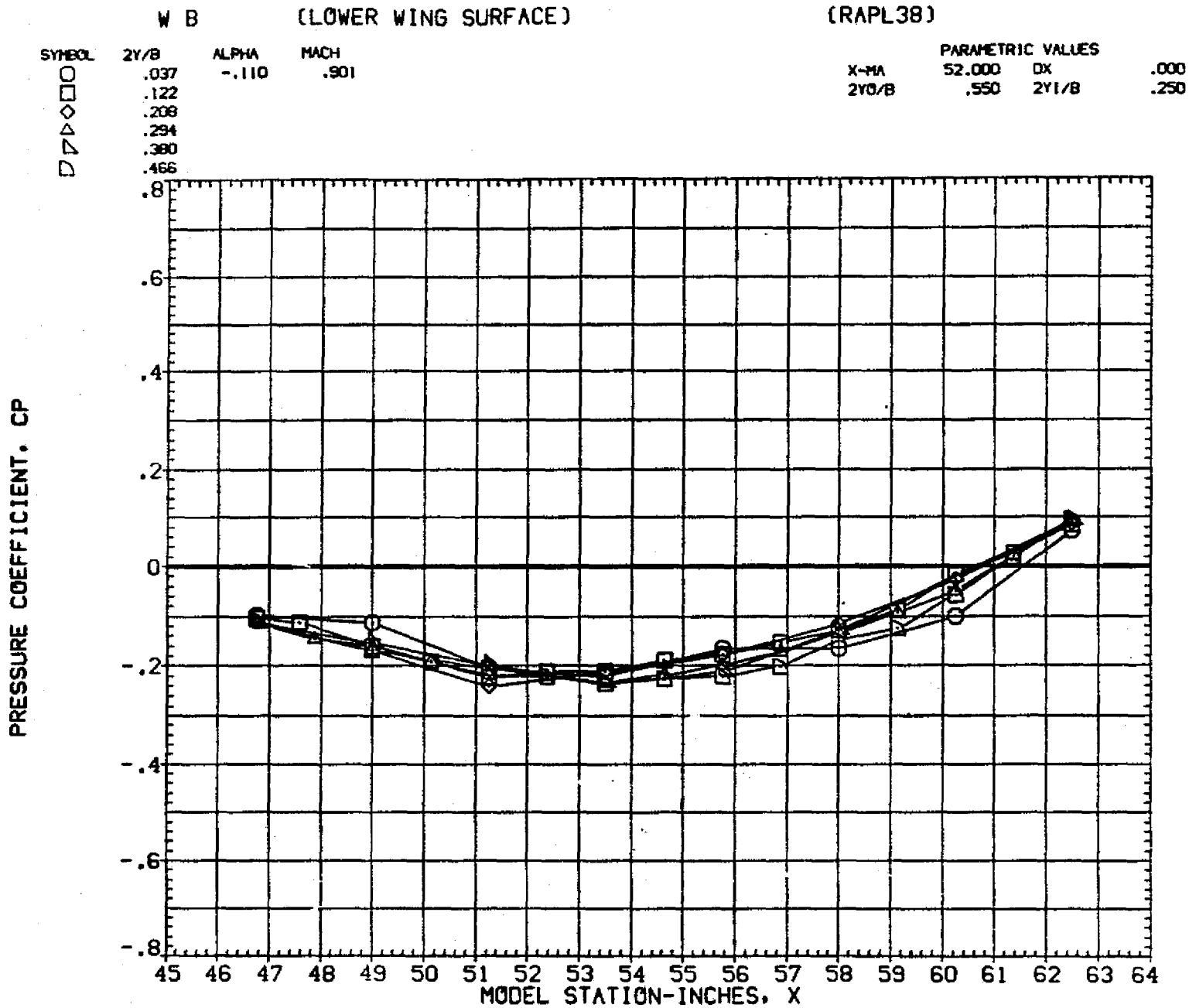


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.110	.901
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

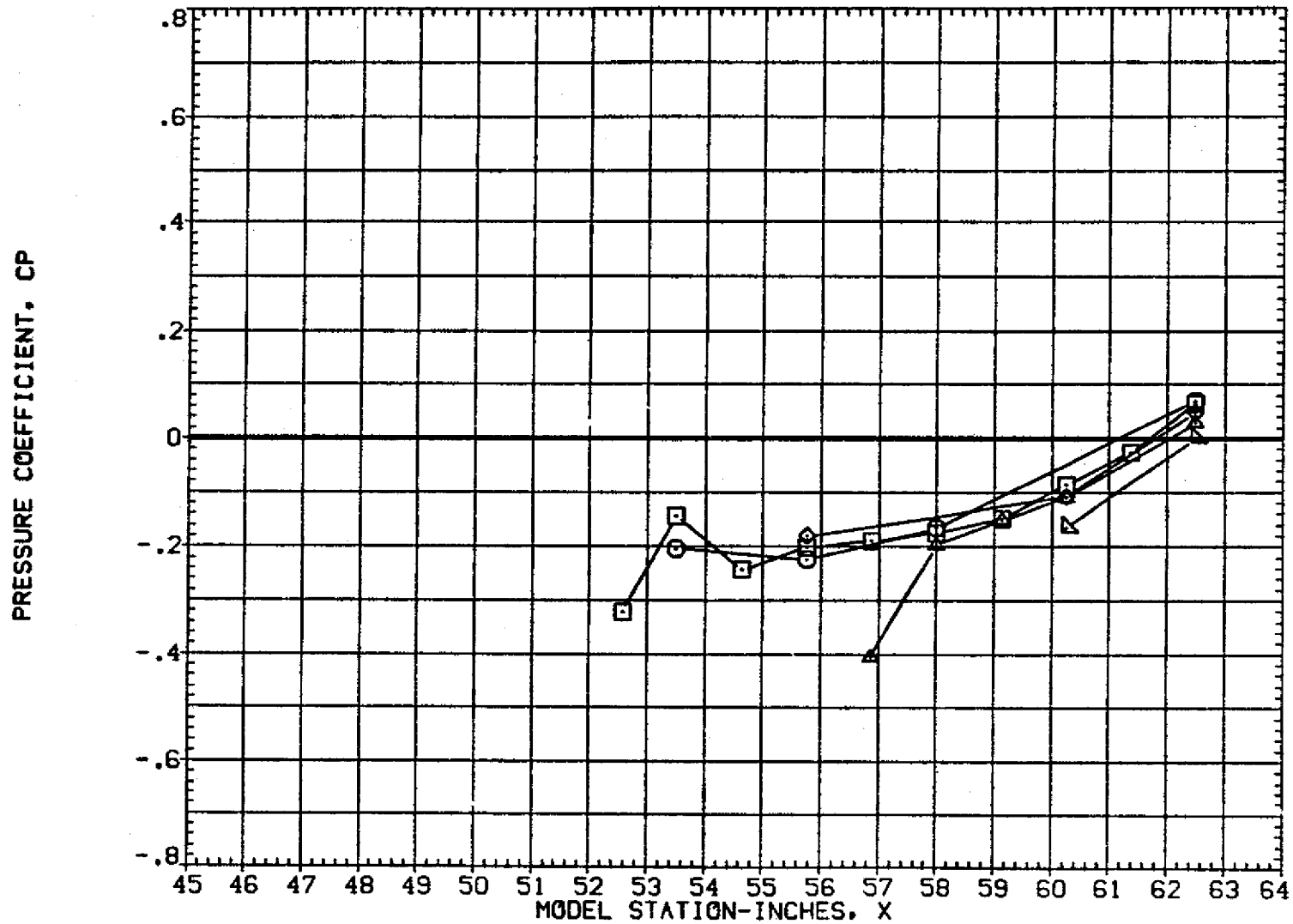


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

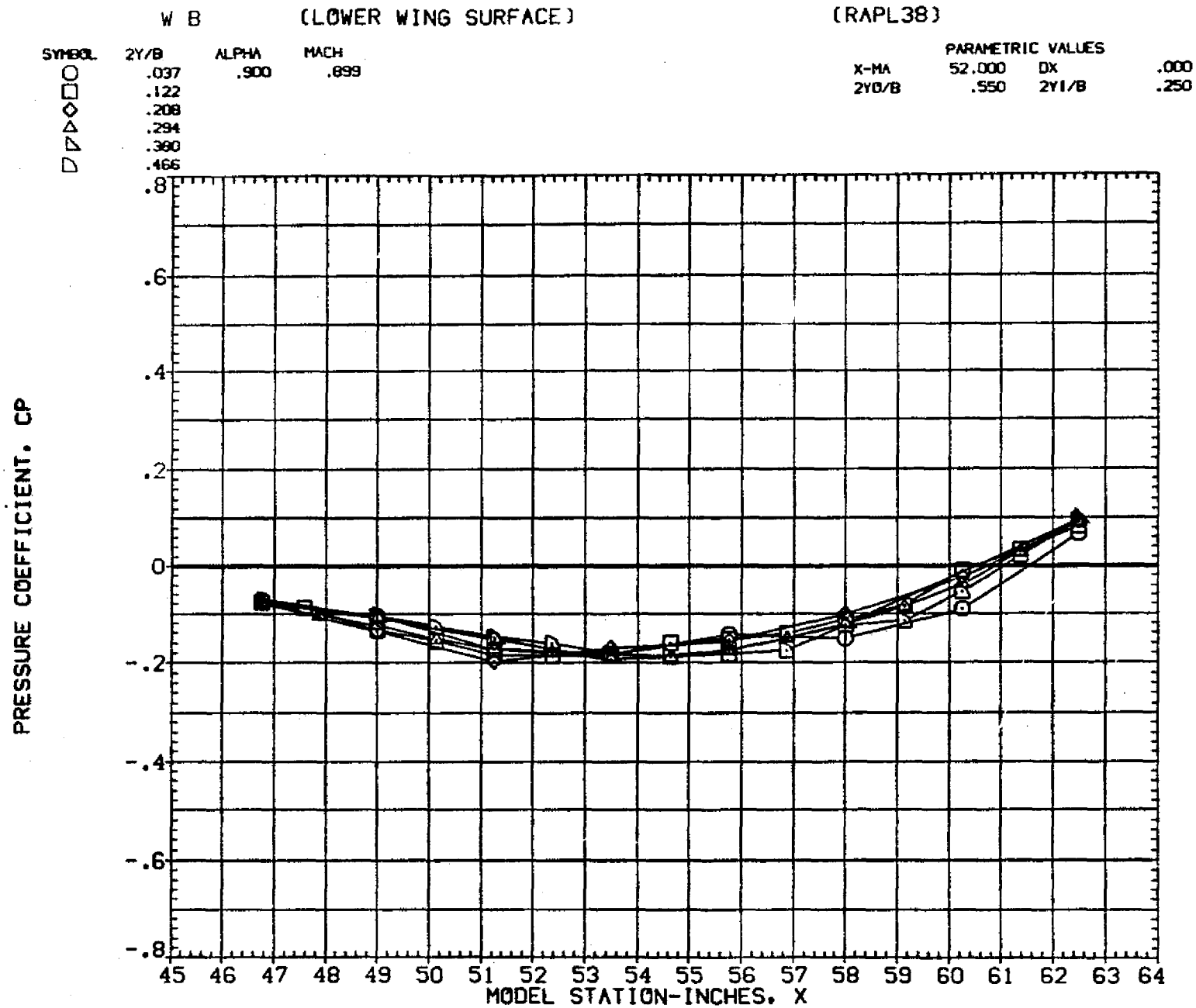


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.900	.899
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

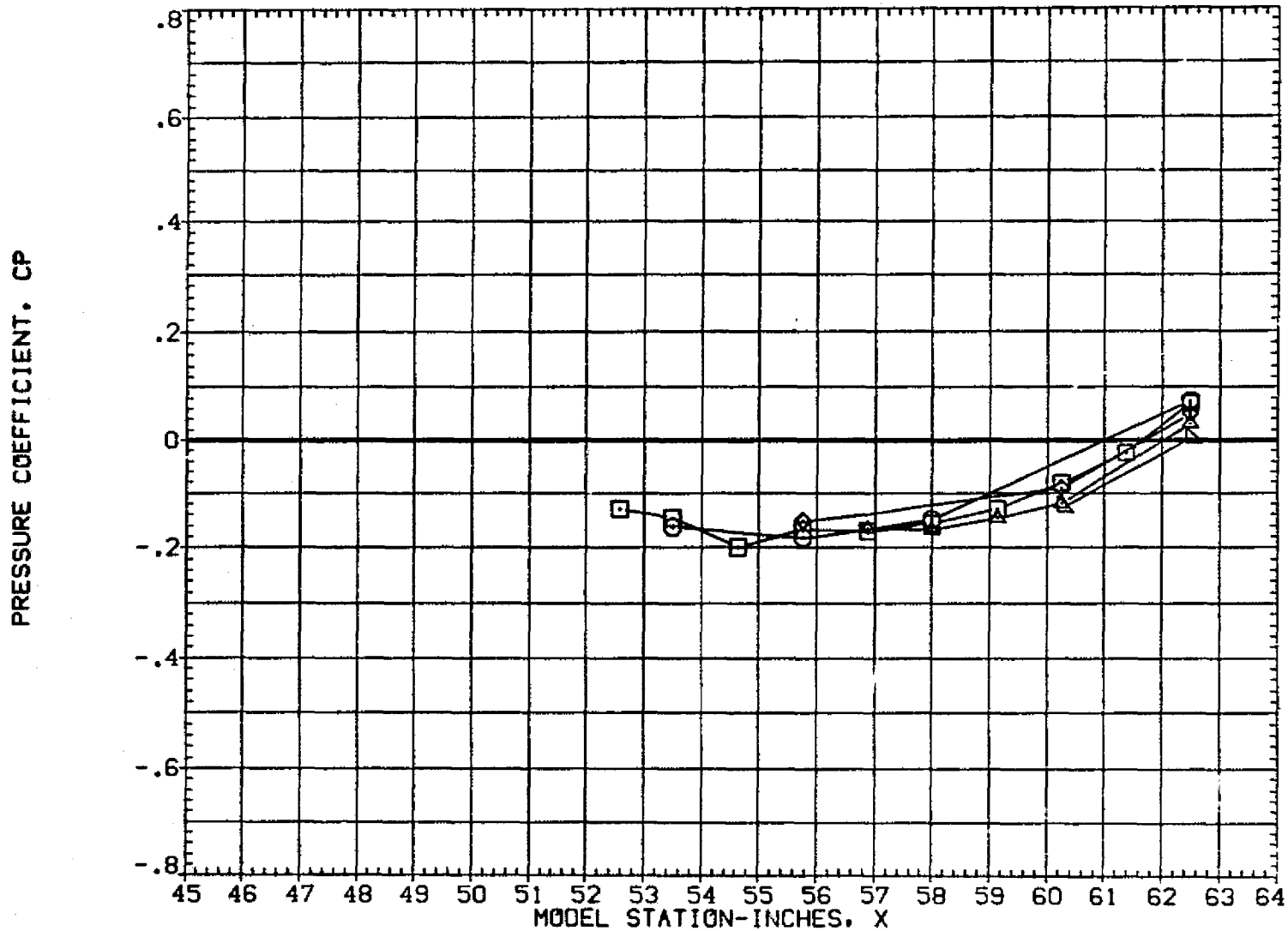


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

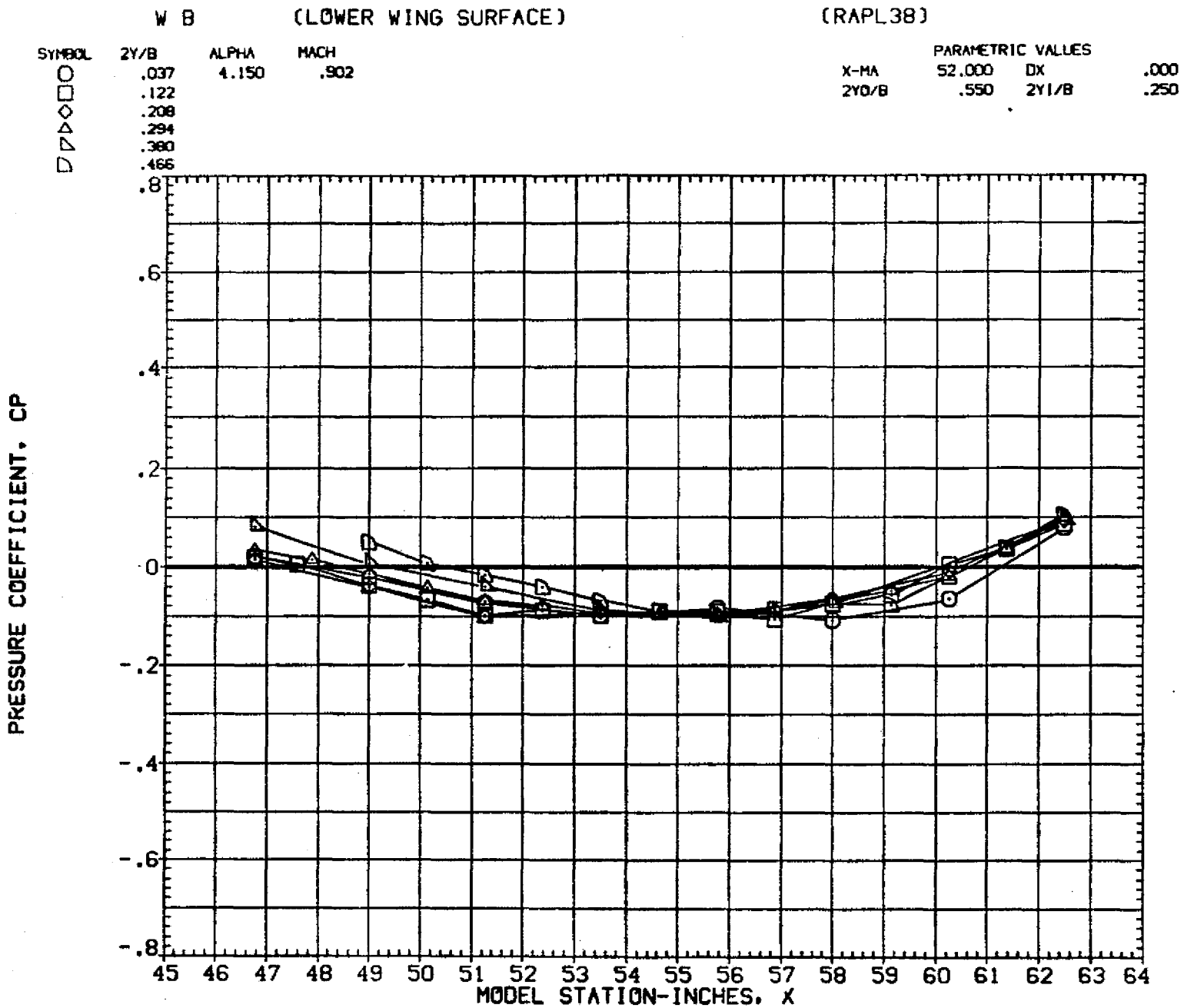


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.150	.902
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

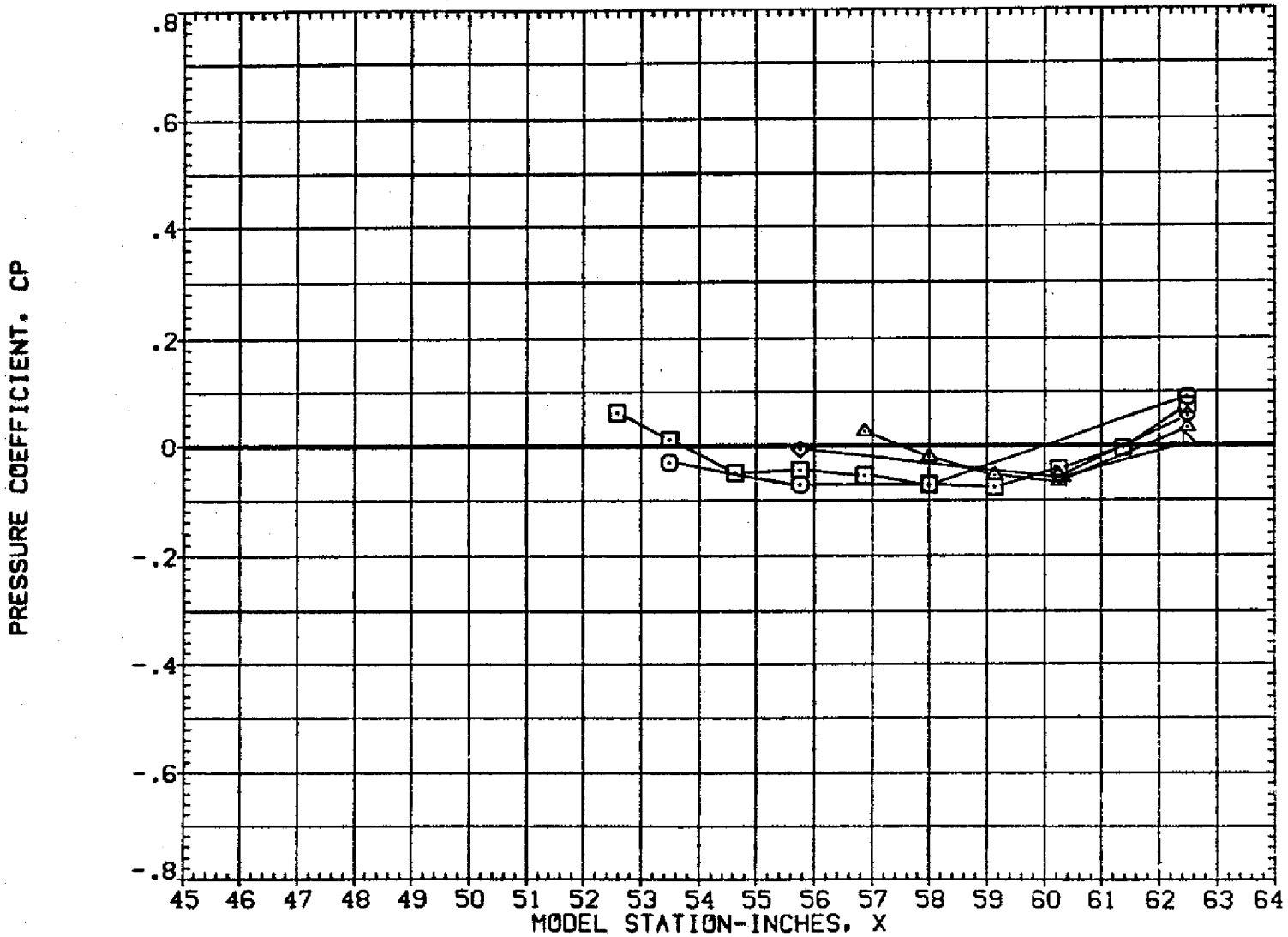


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

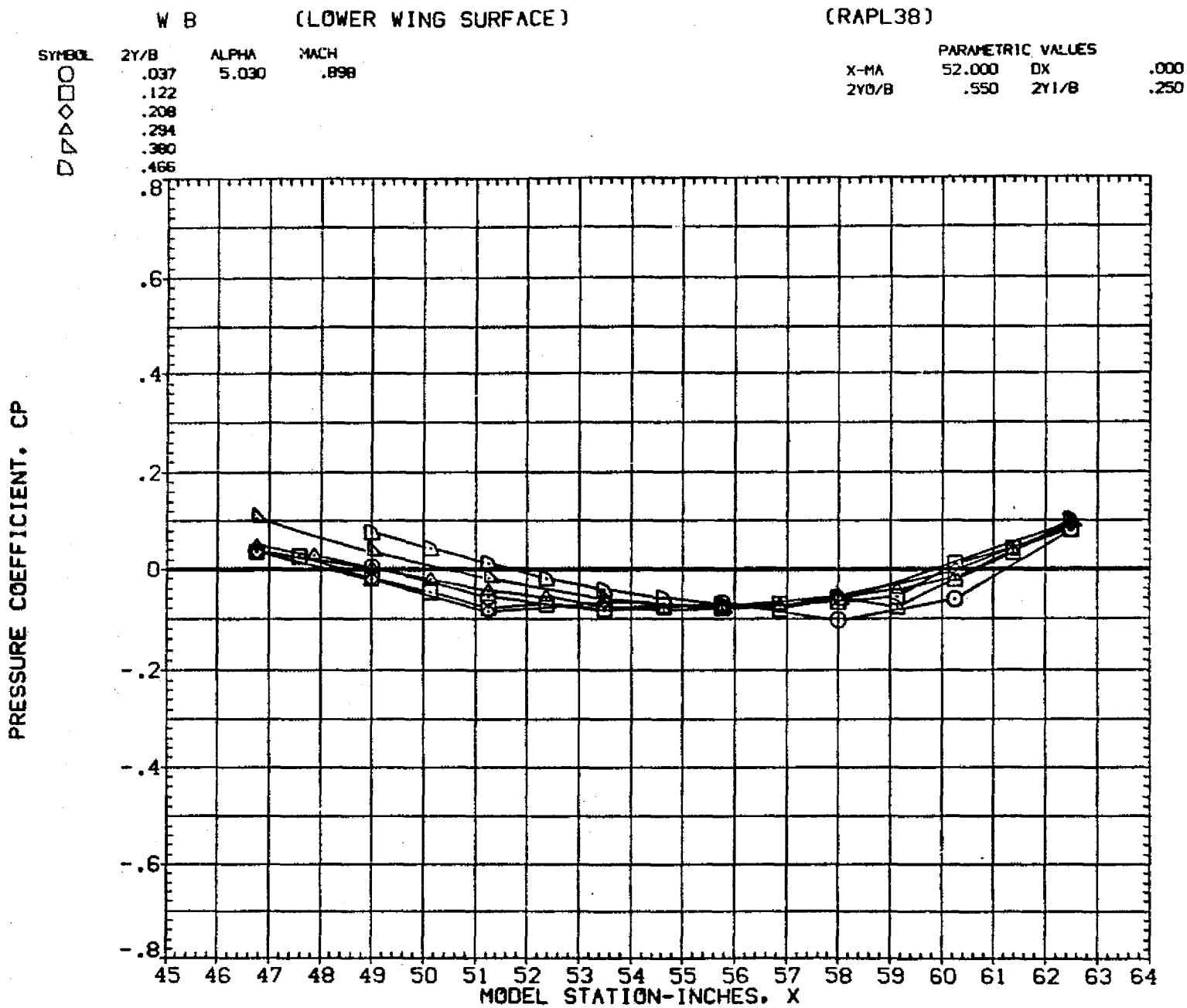


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.030	.898
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

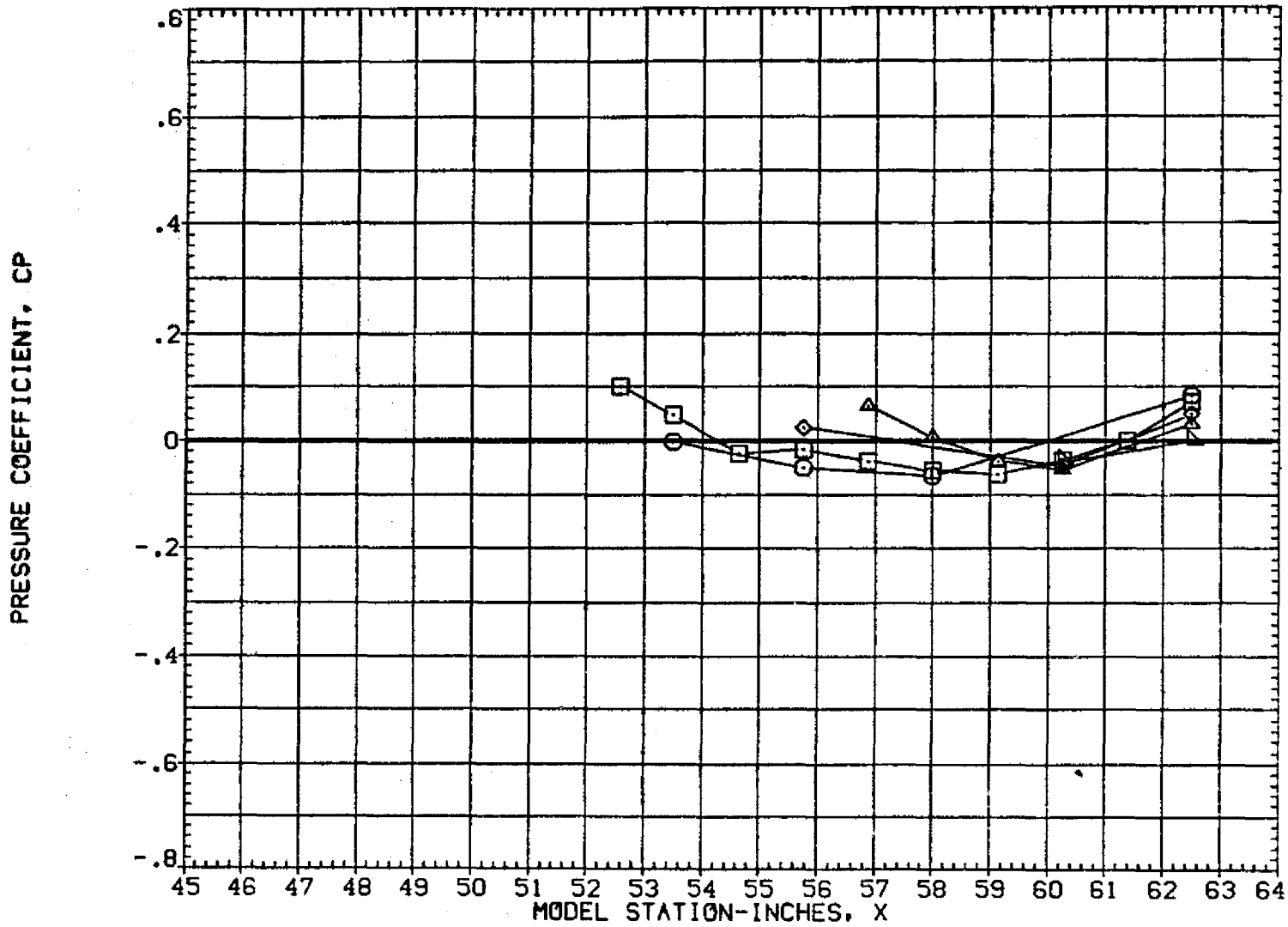


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

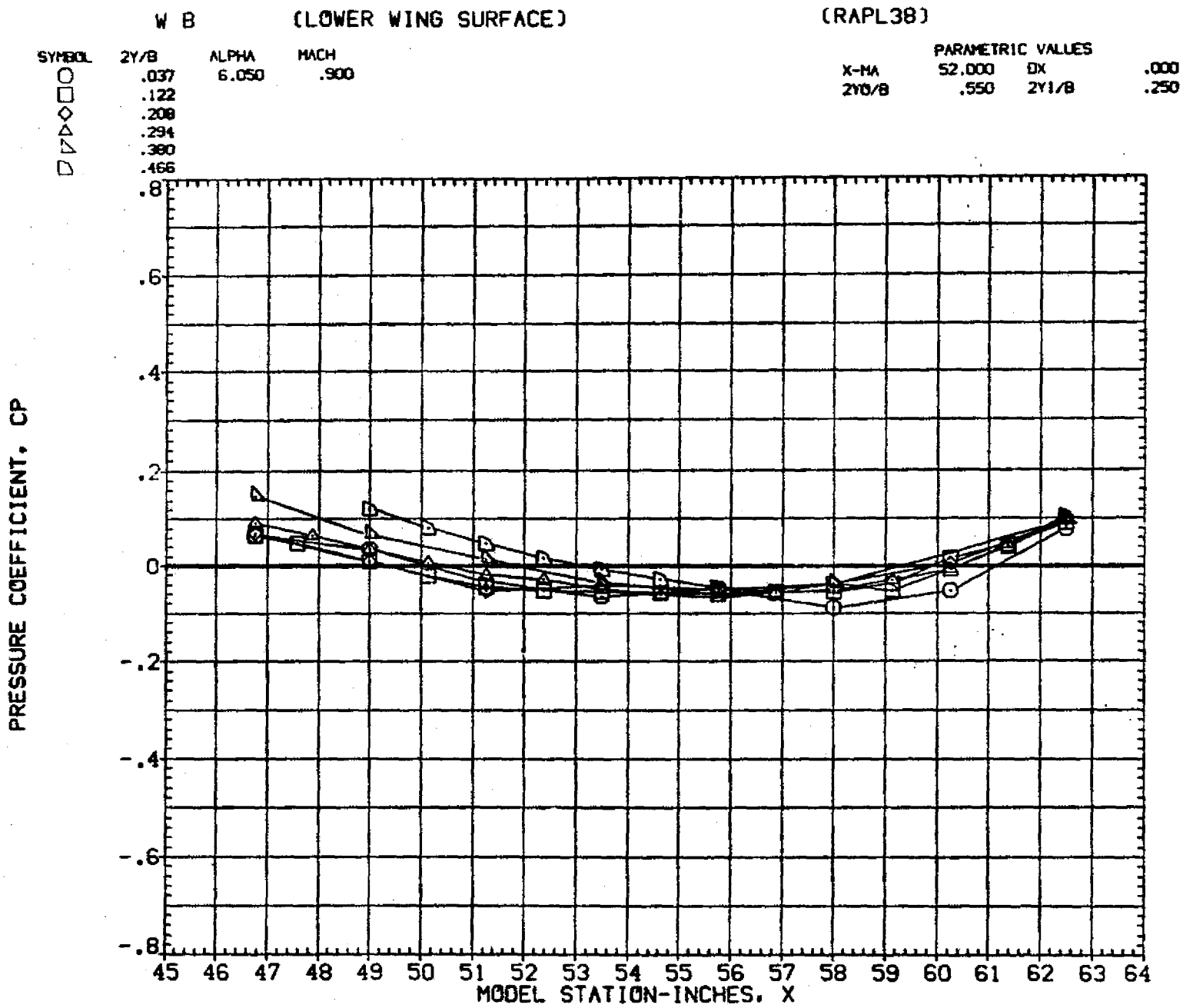


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

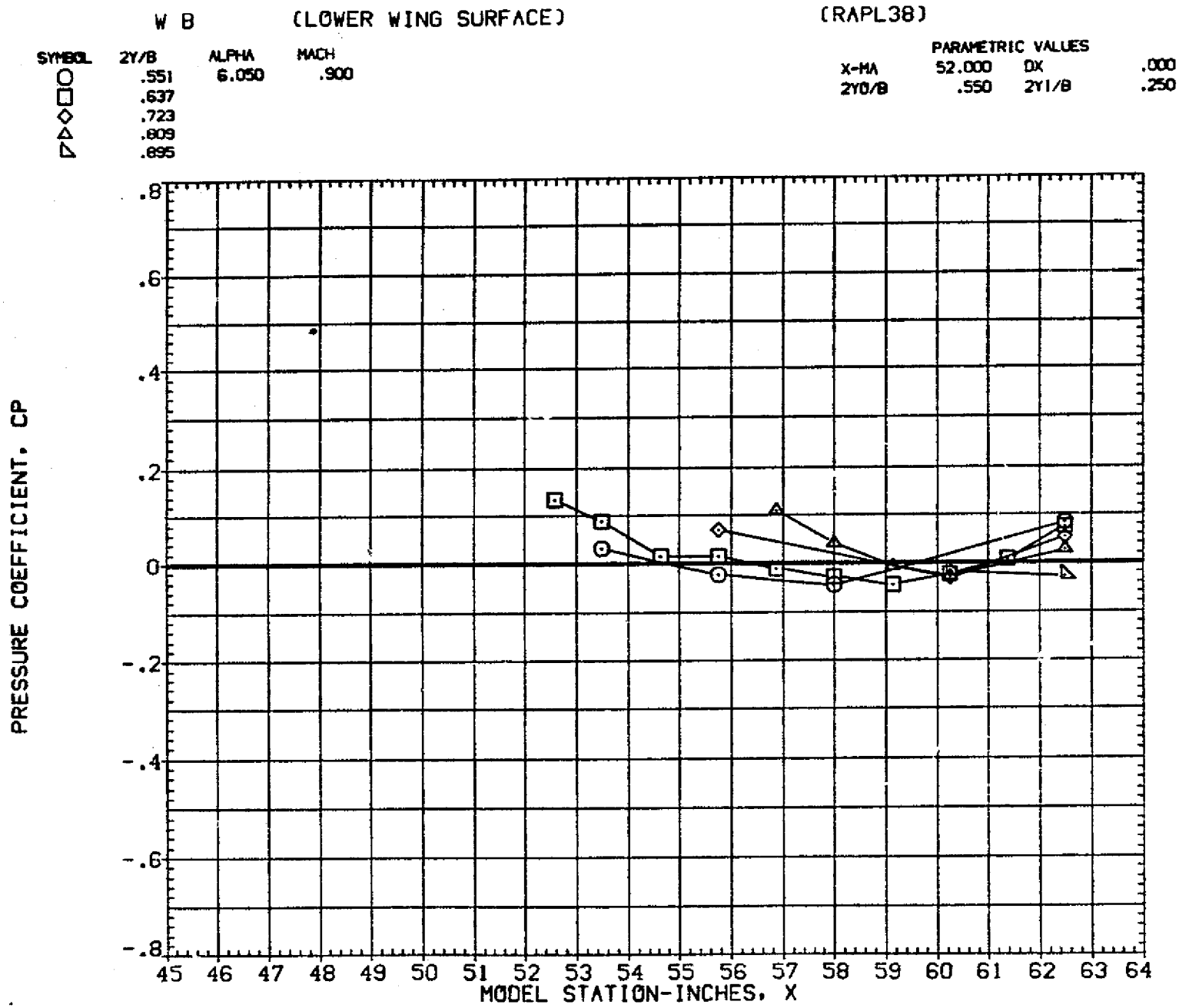


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

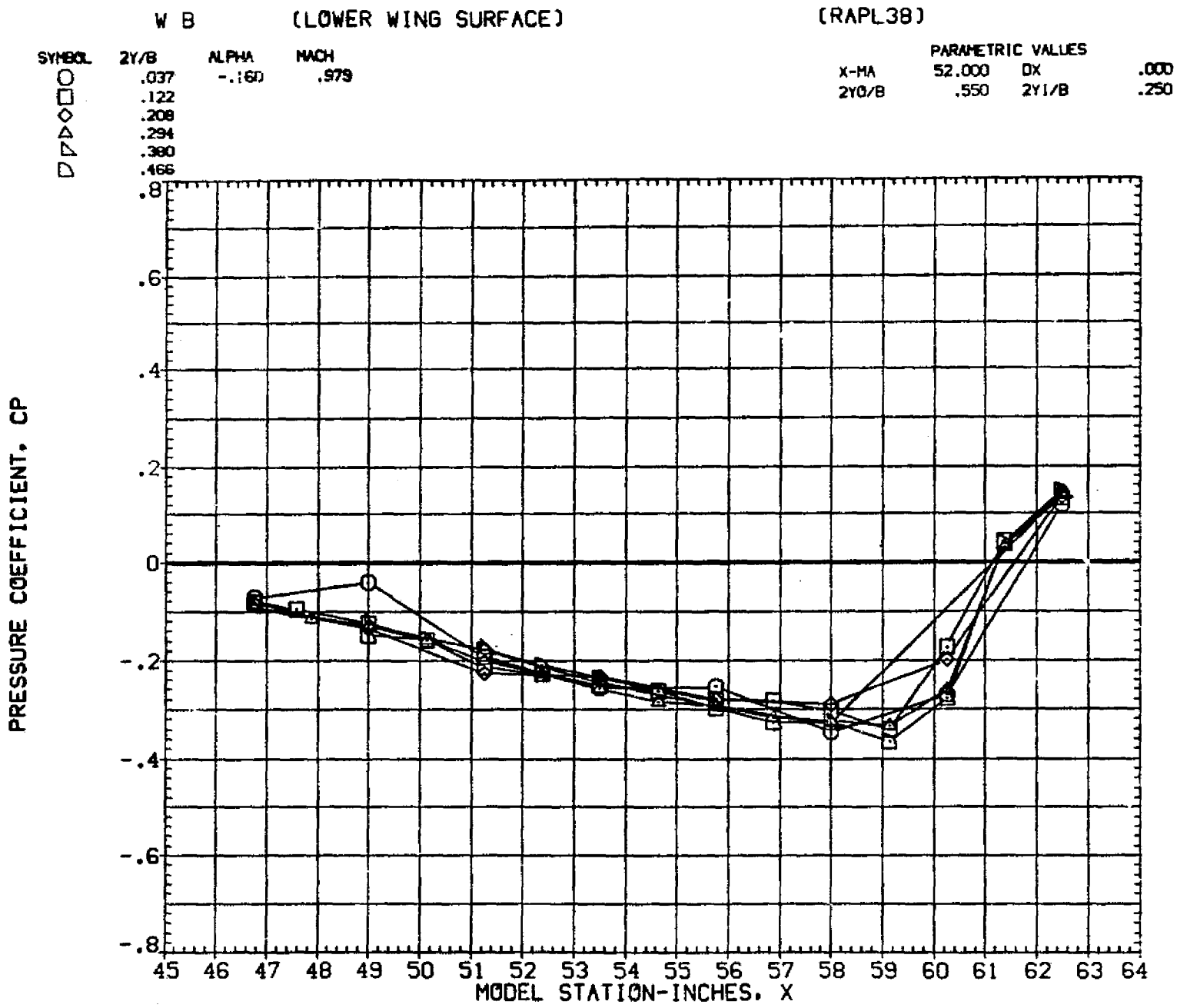


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.160	.979
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

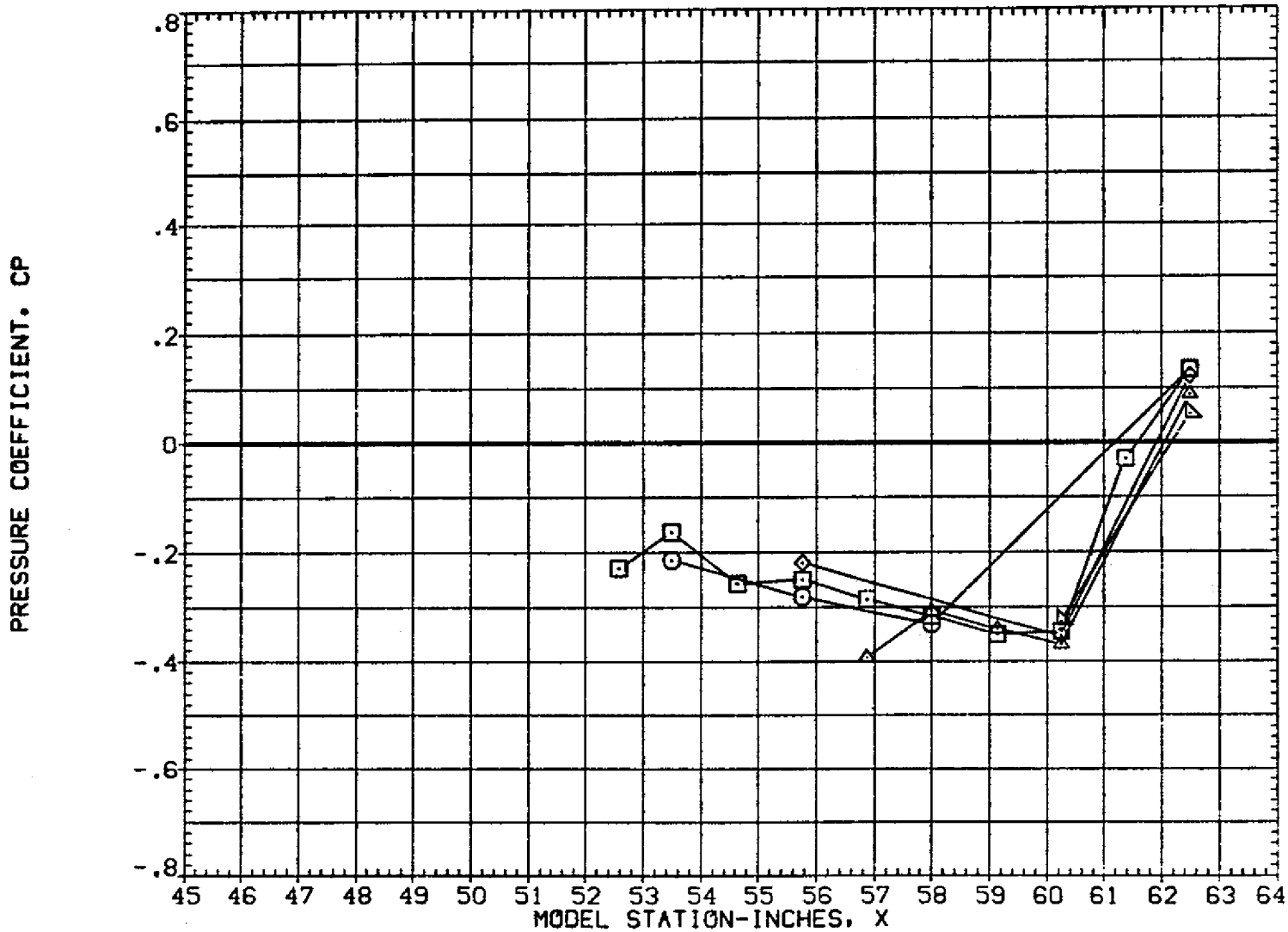


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

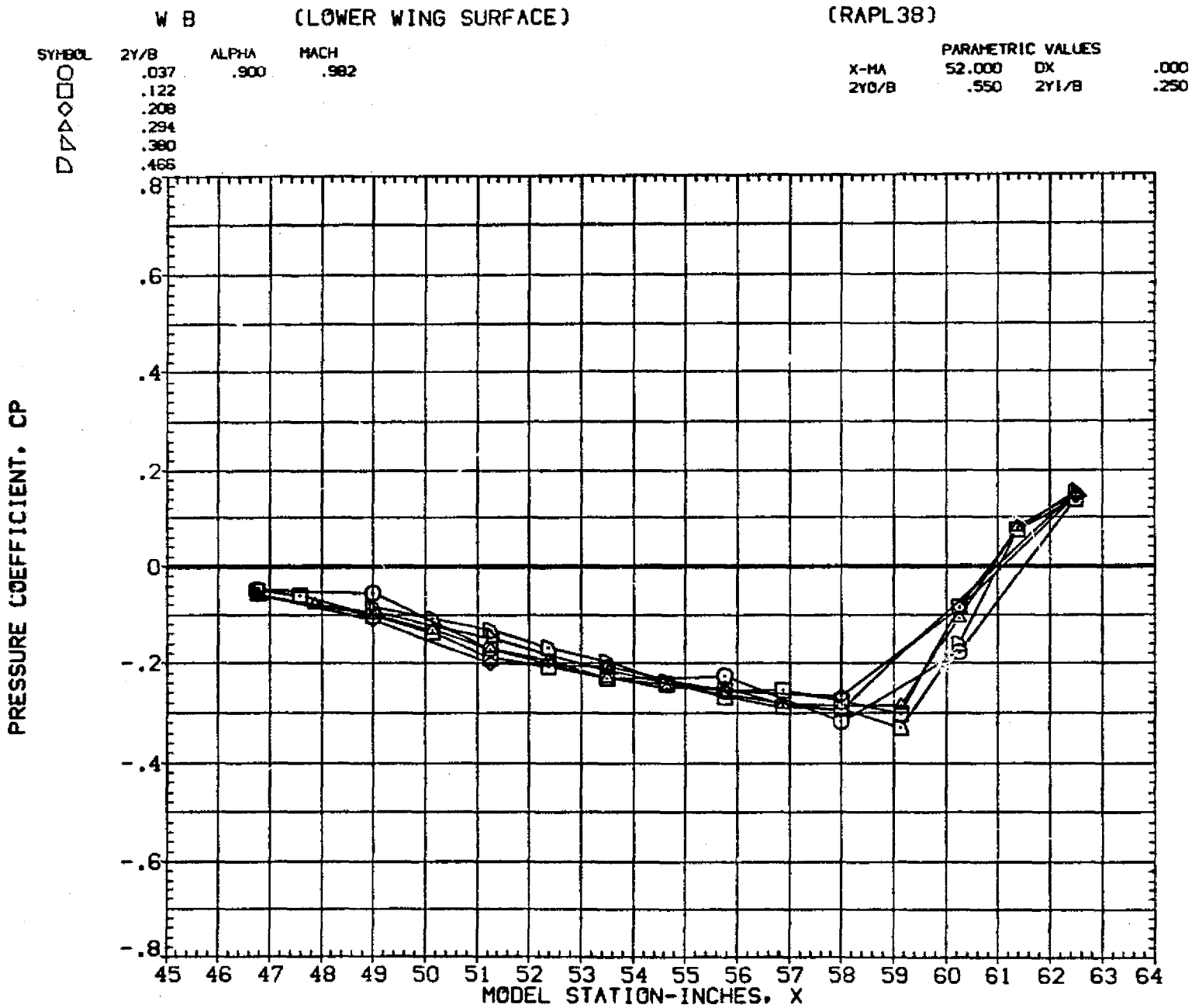


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.900	.982
□	.637		
◇	.723		
△	.809		
◸	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

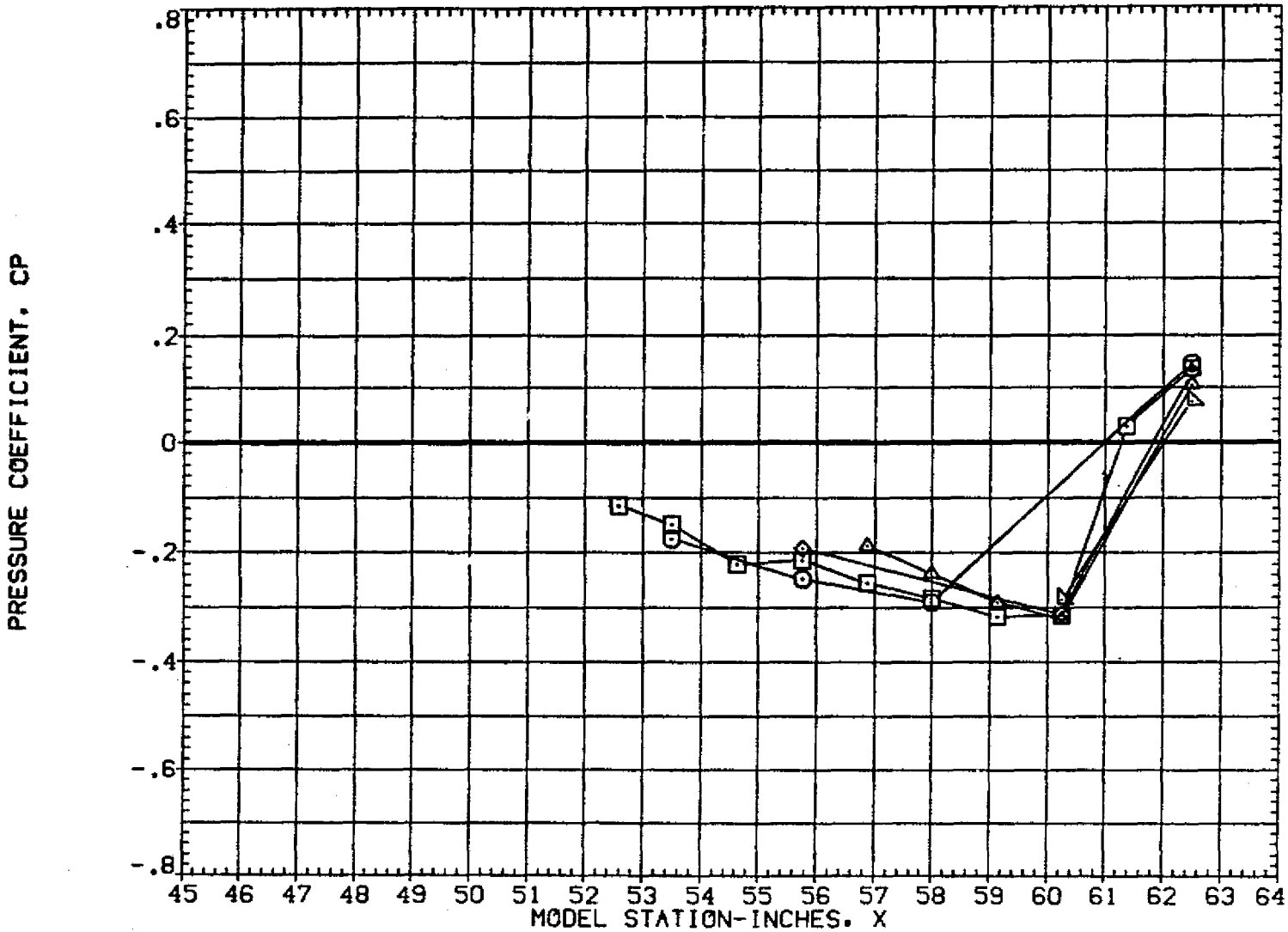


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

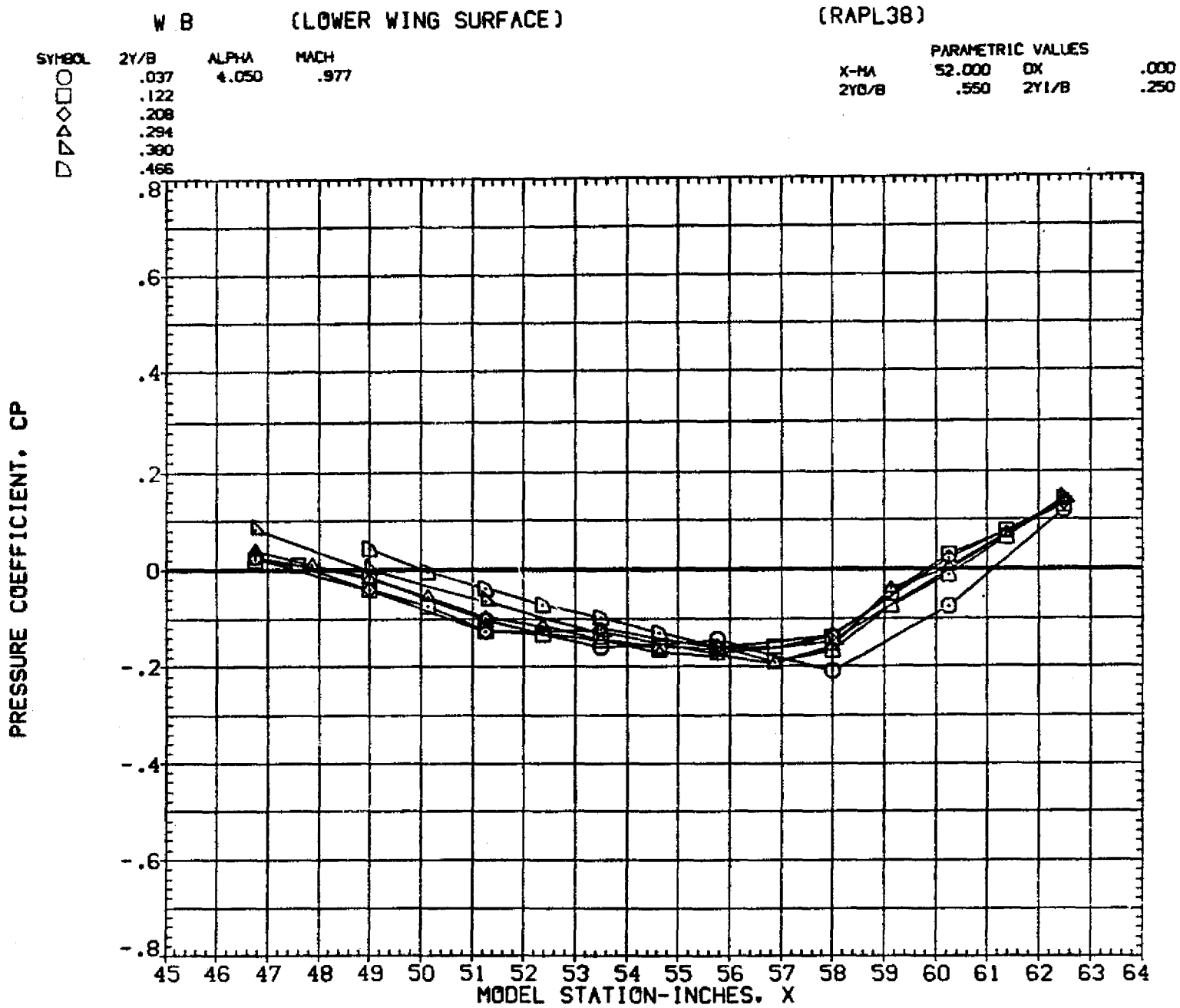


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.050	.977
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

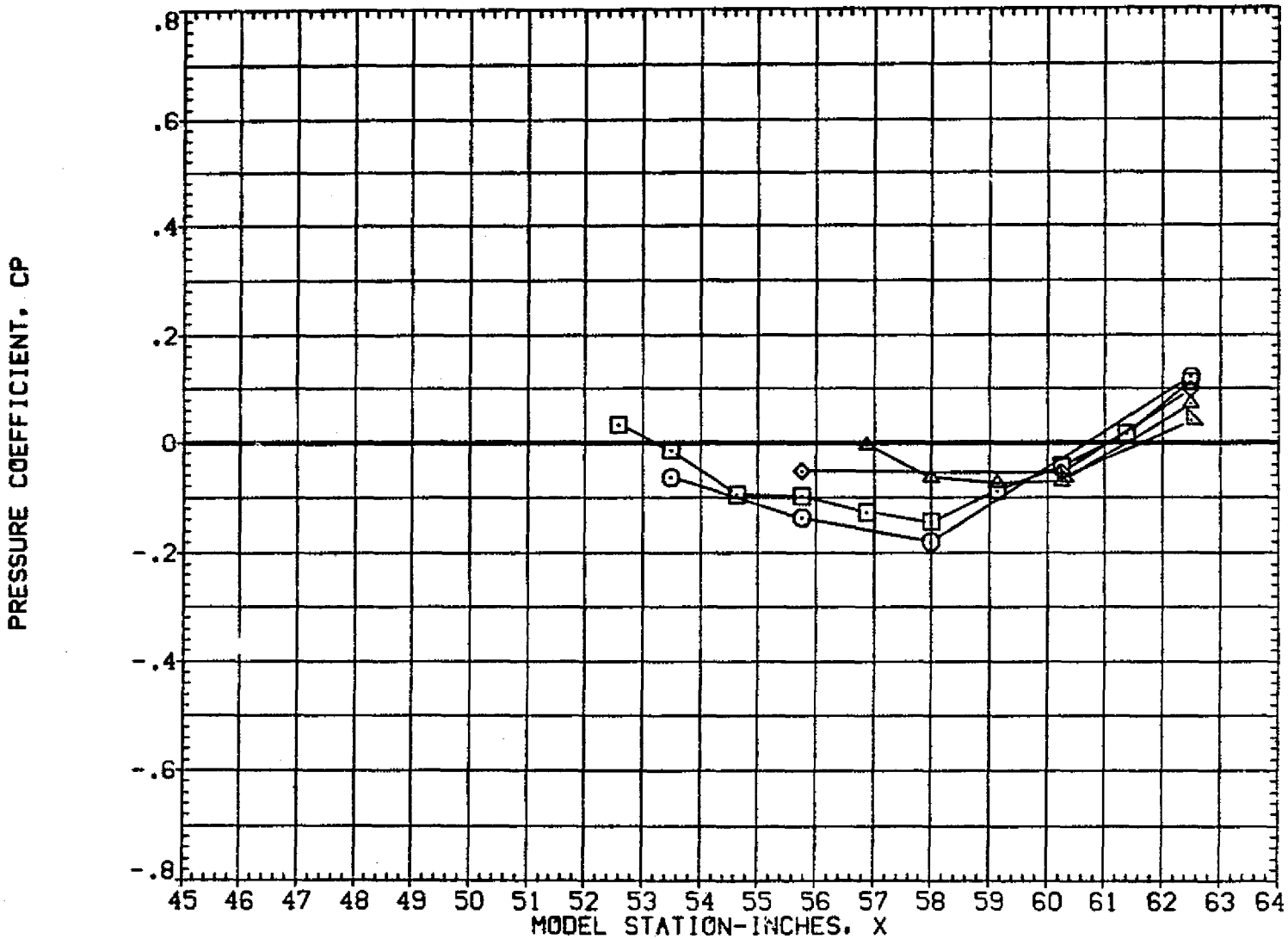


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

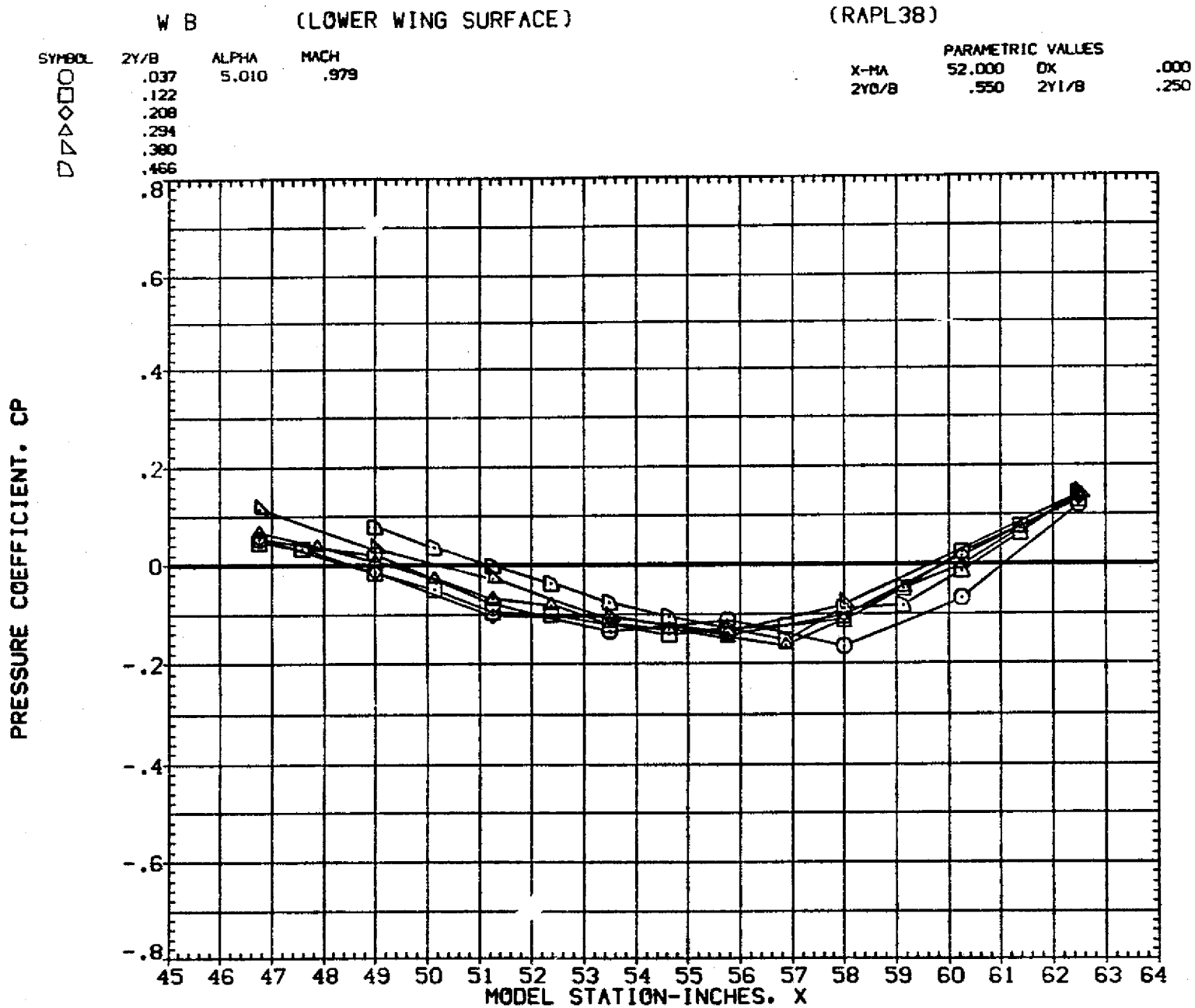


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

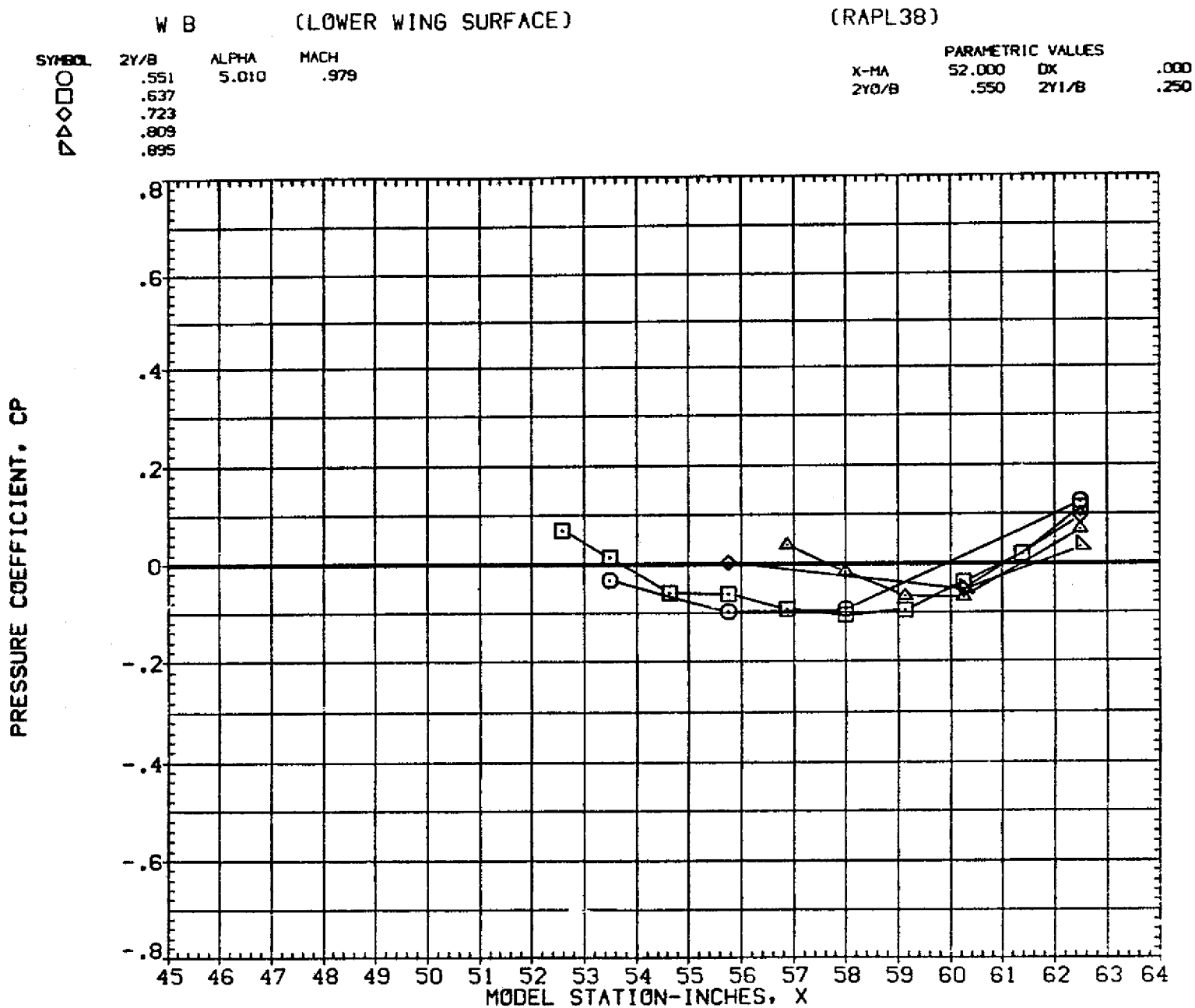


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

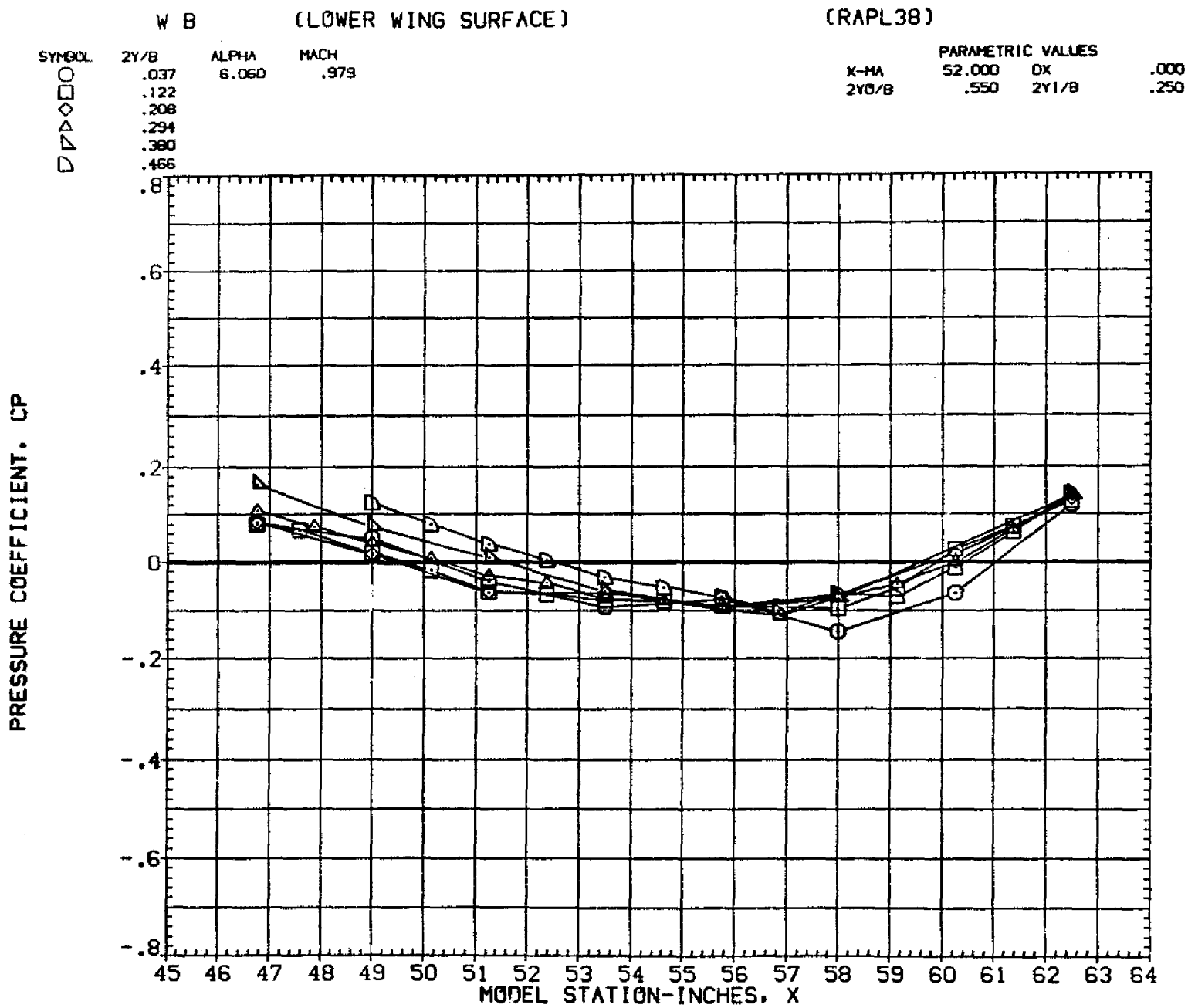


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.060	.979
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

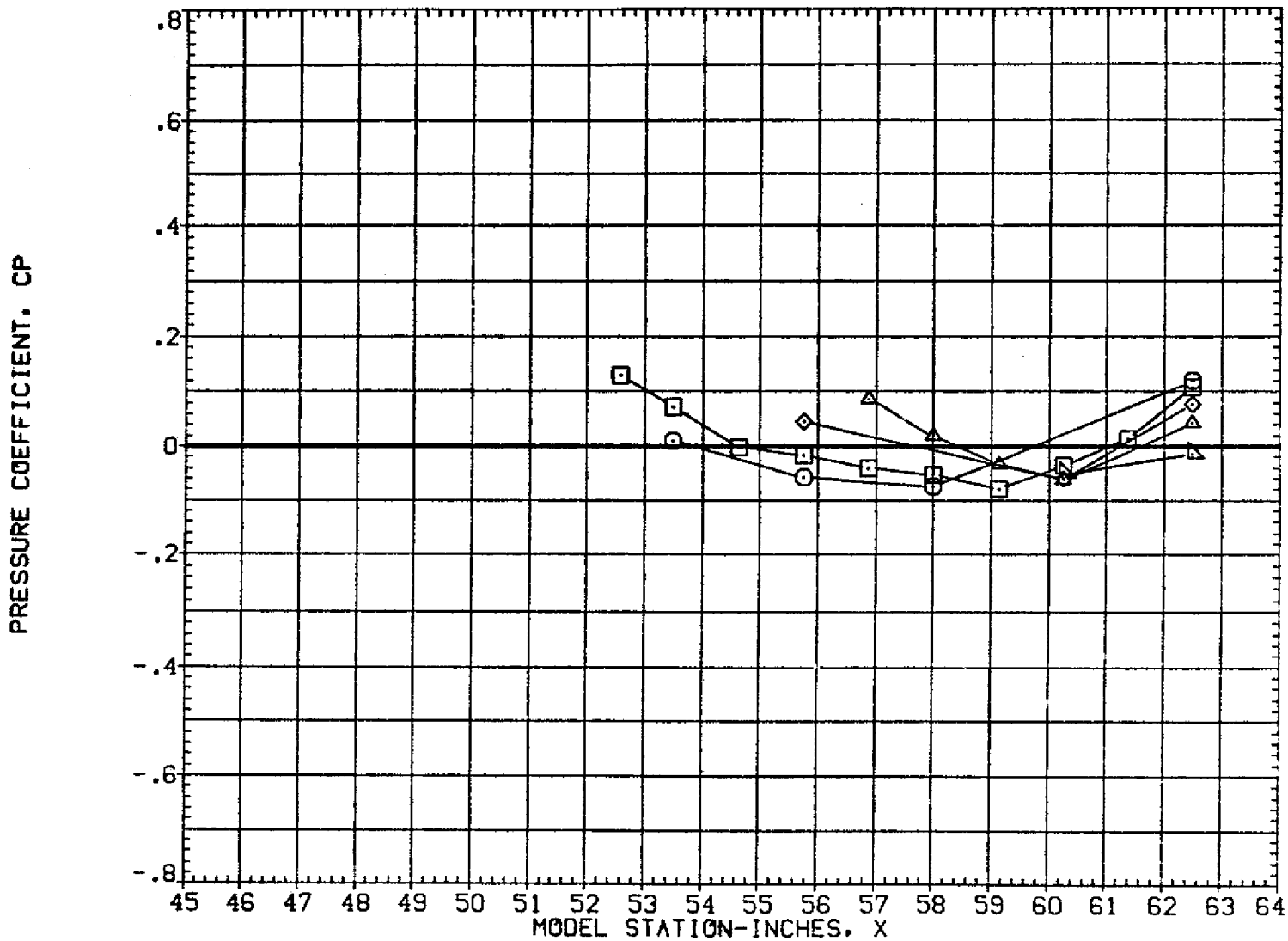


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

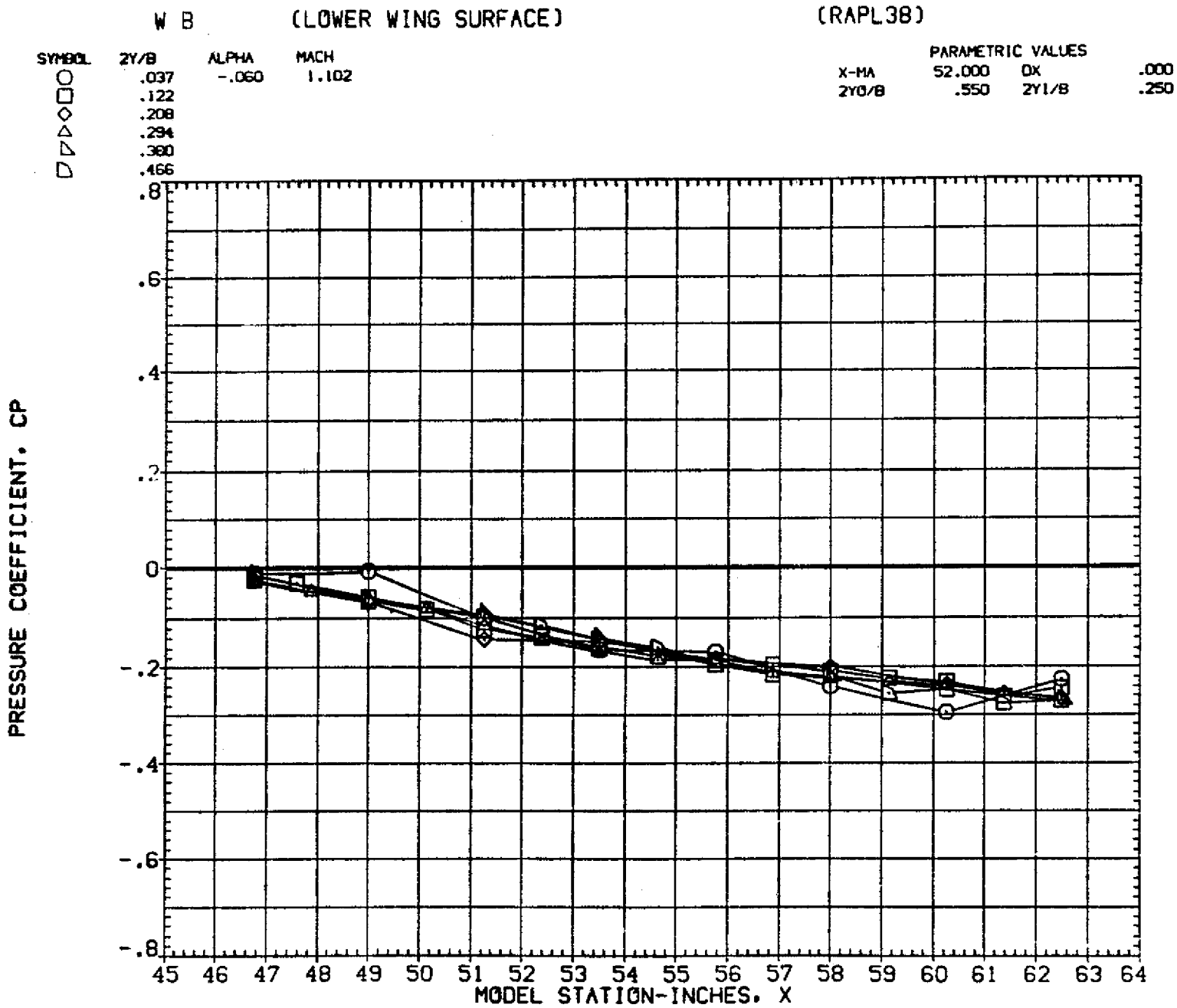


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.060	1.102
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2YO/B	.550	2YI/B	.250

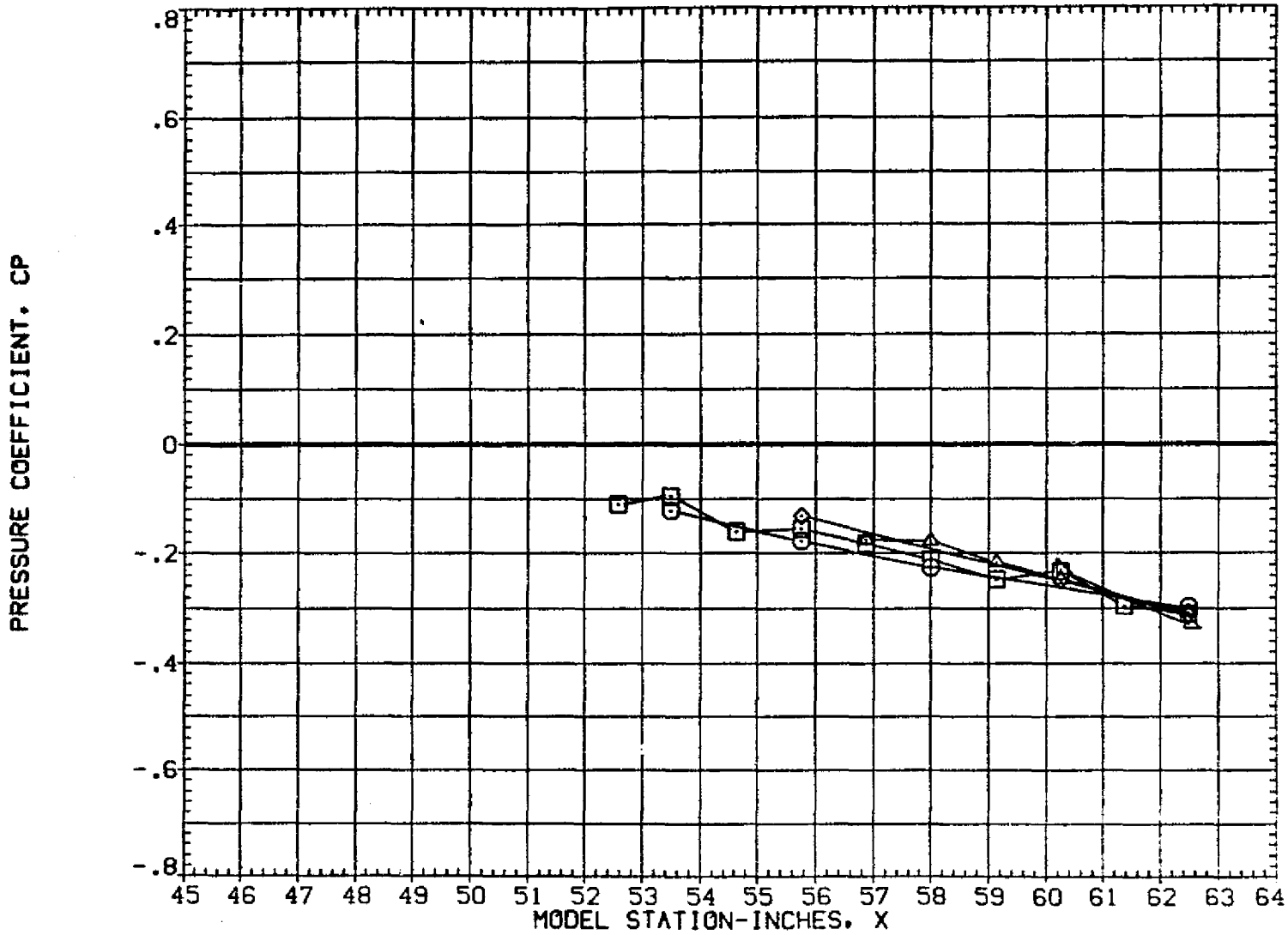


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

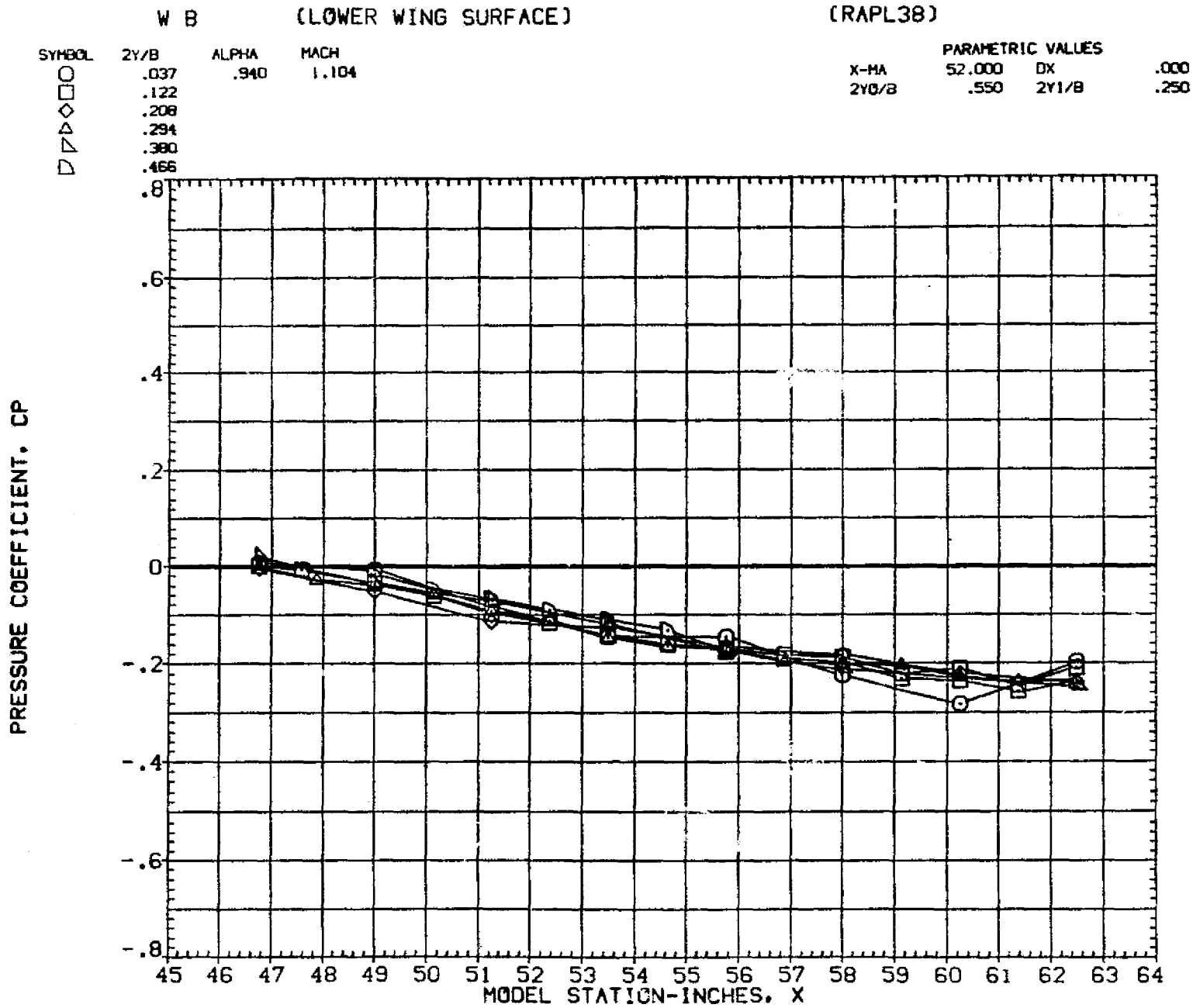


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

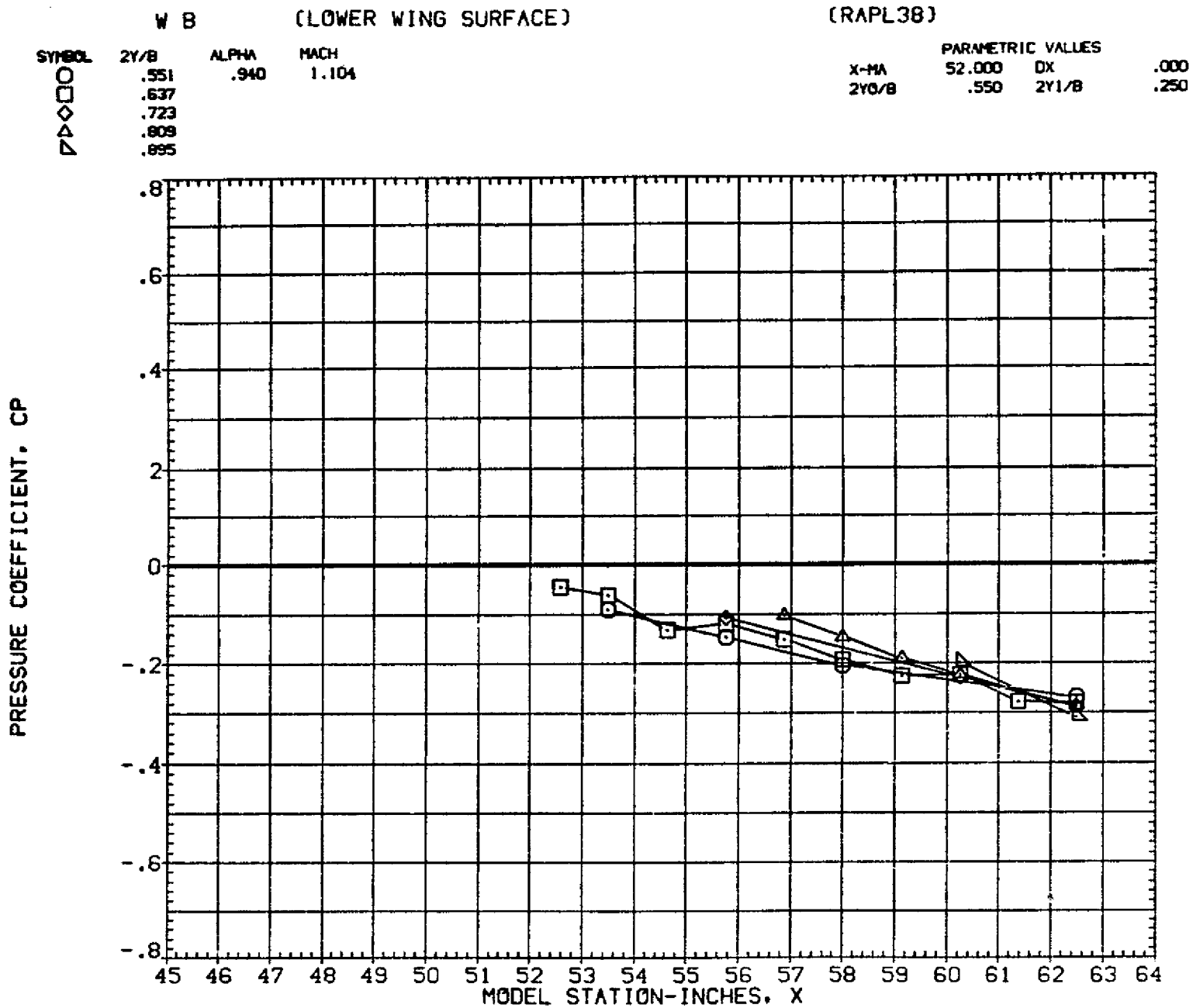


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

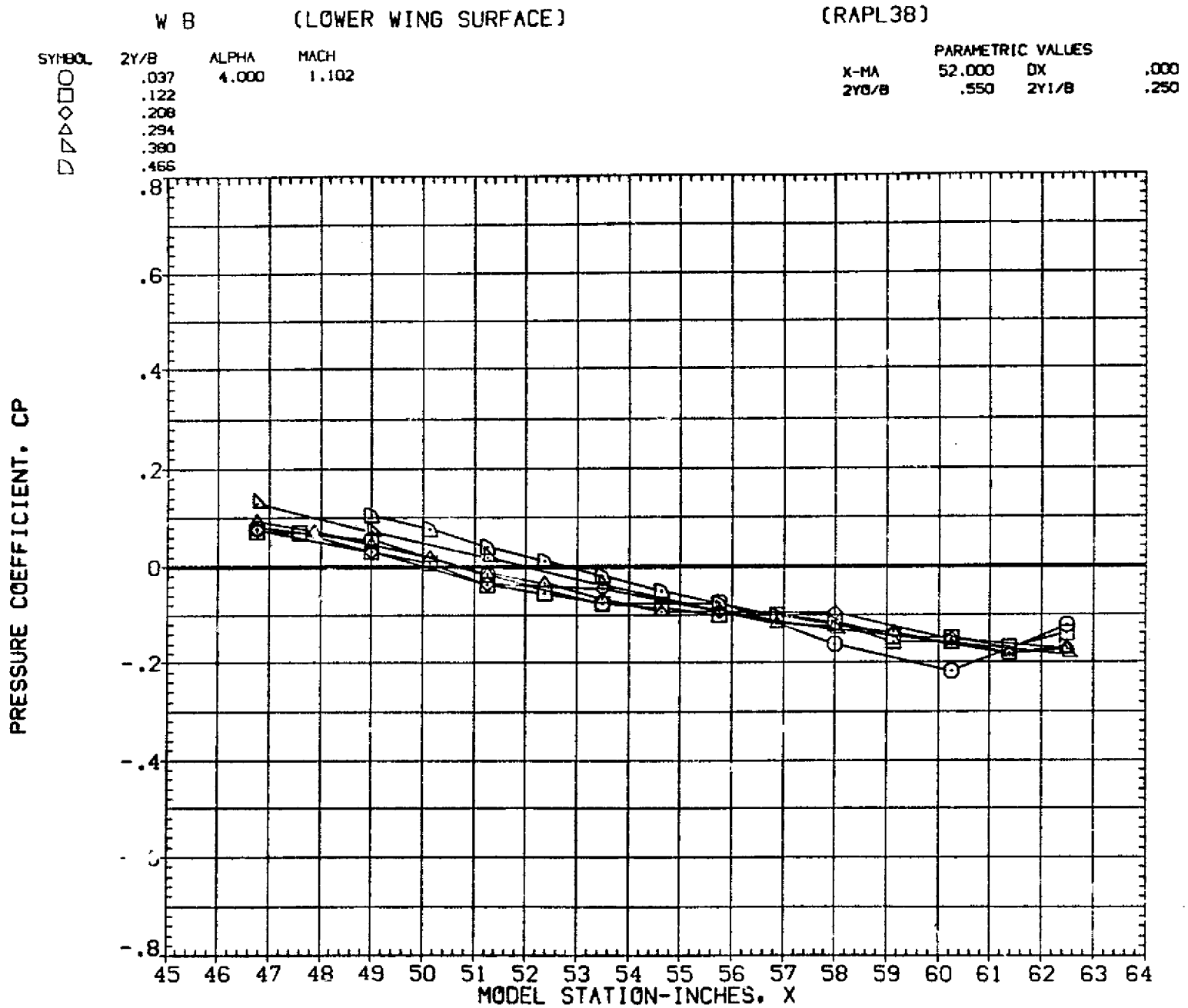


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

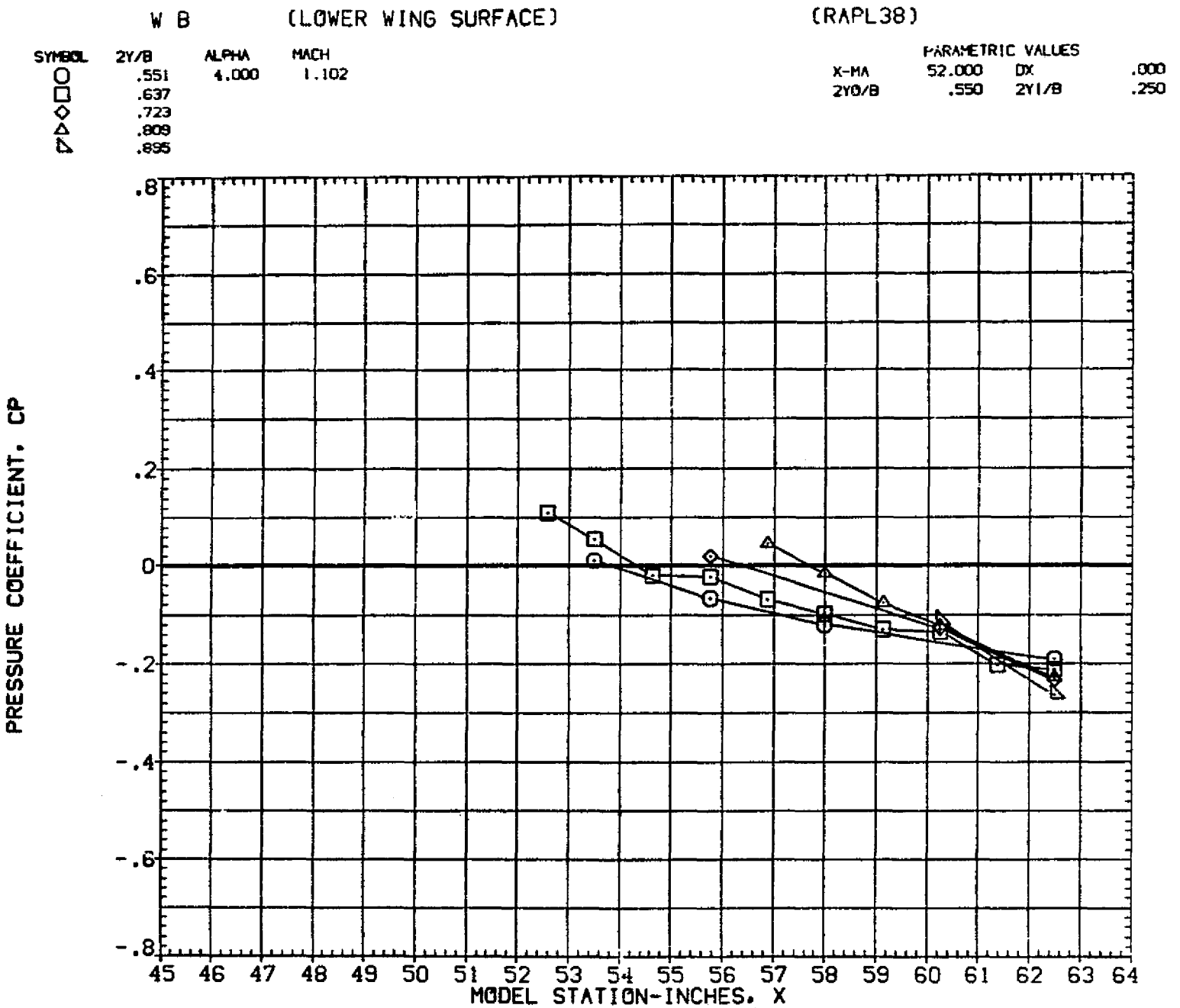


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

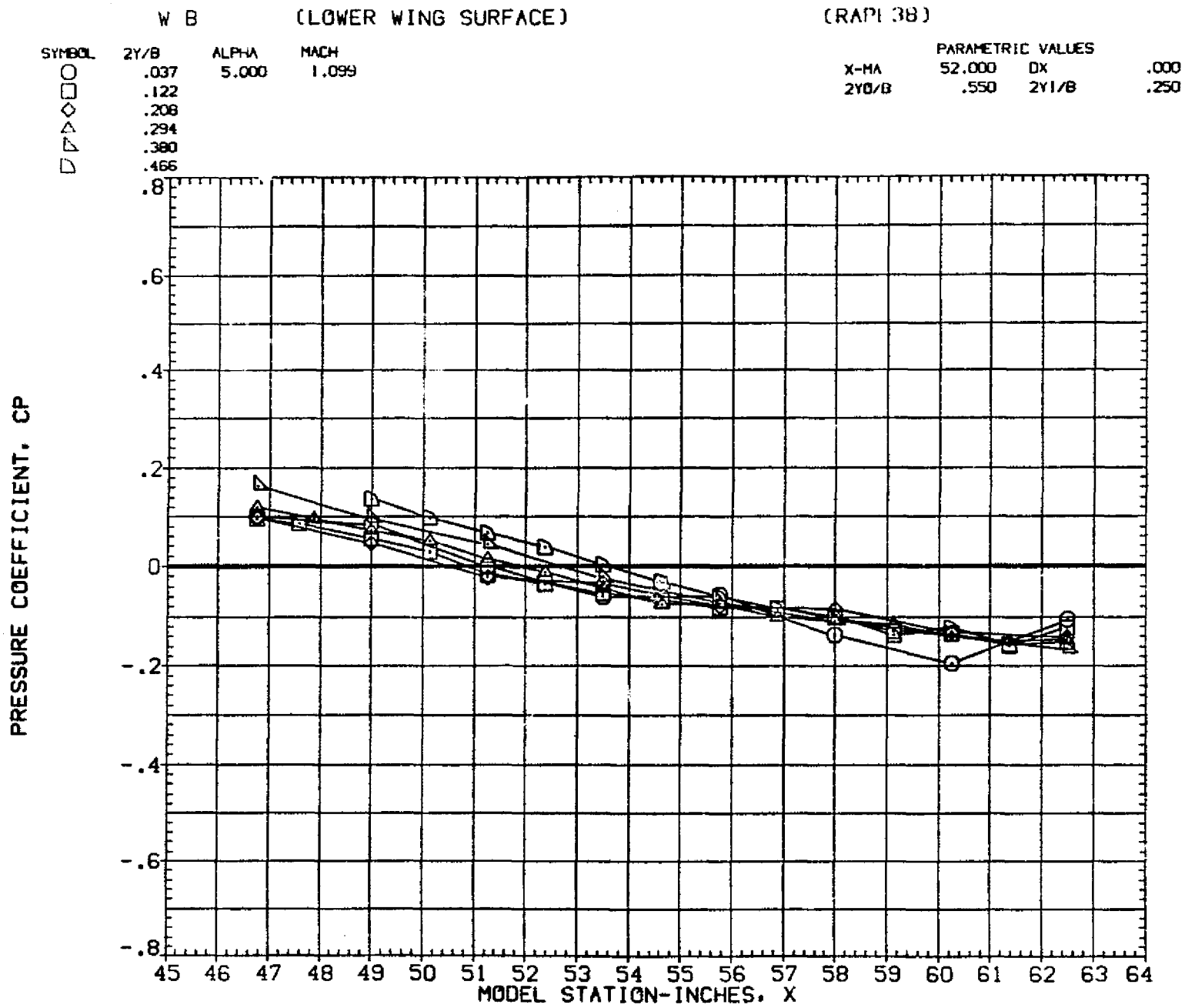


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

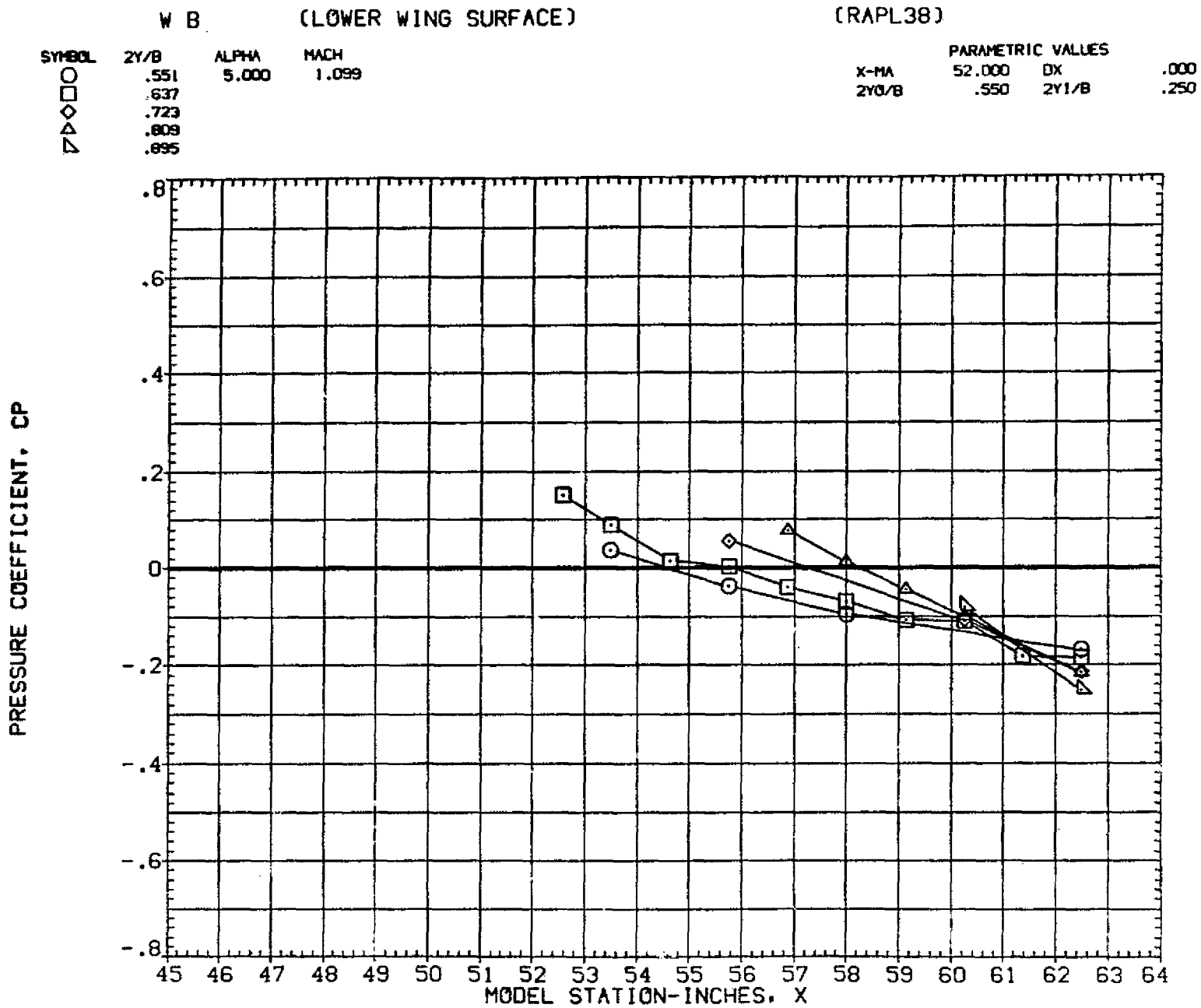


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

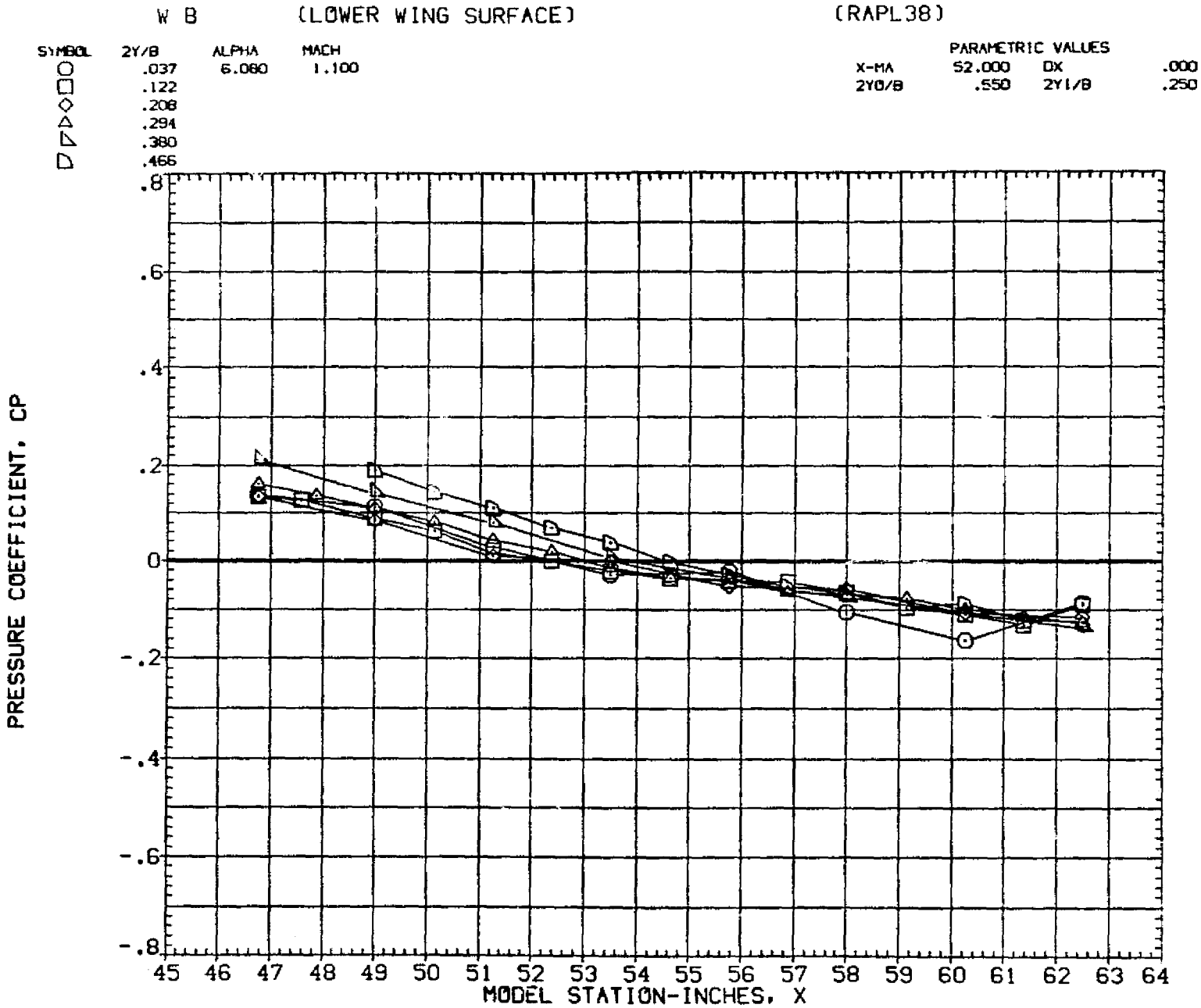


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.080	1.100
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

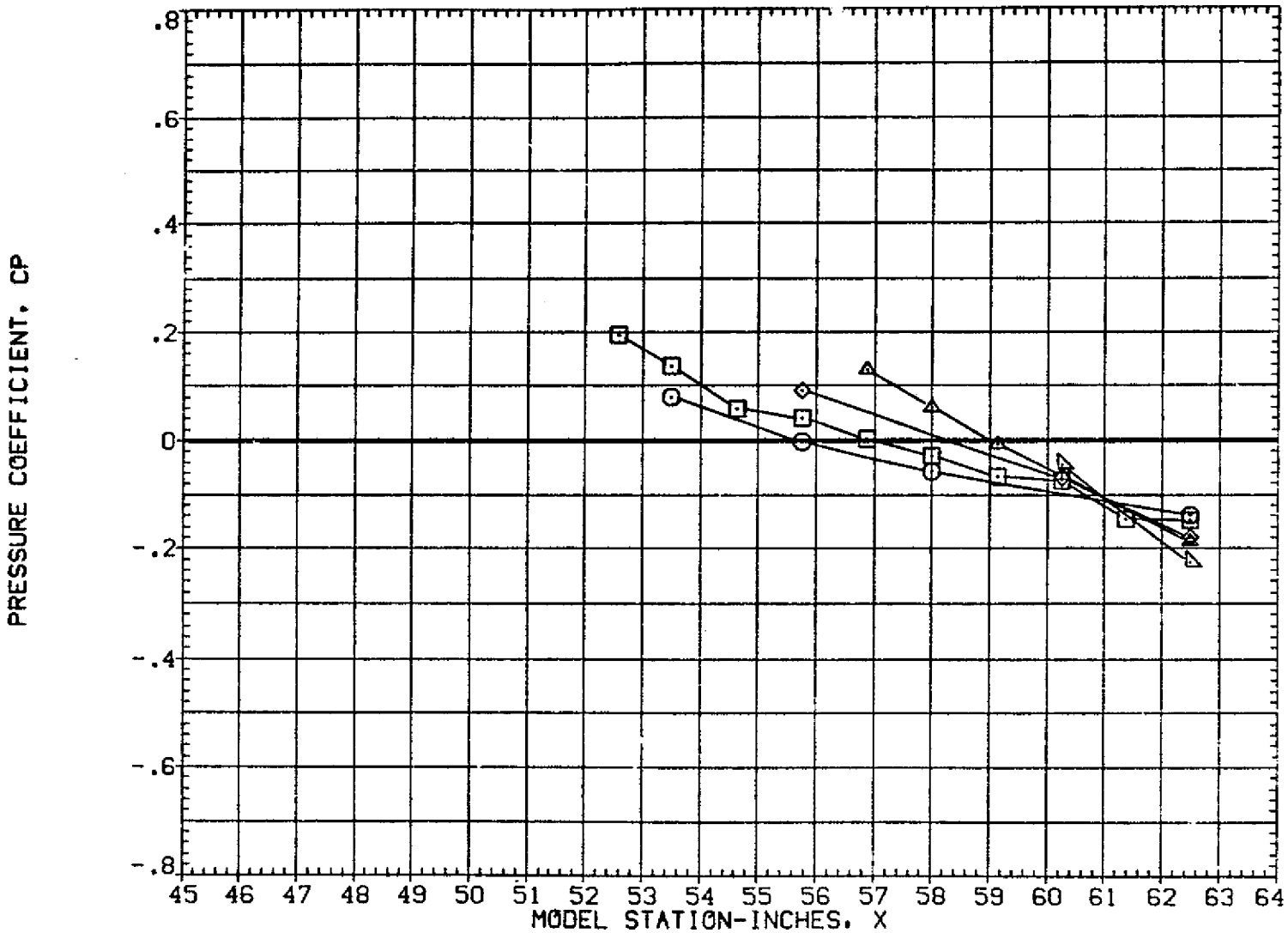


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.037	-.070	1.147
□	.122		
◇	.208		
△	.294		
◺	.380		
◻	.466		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

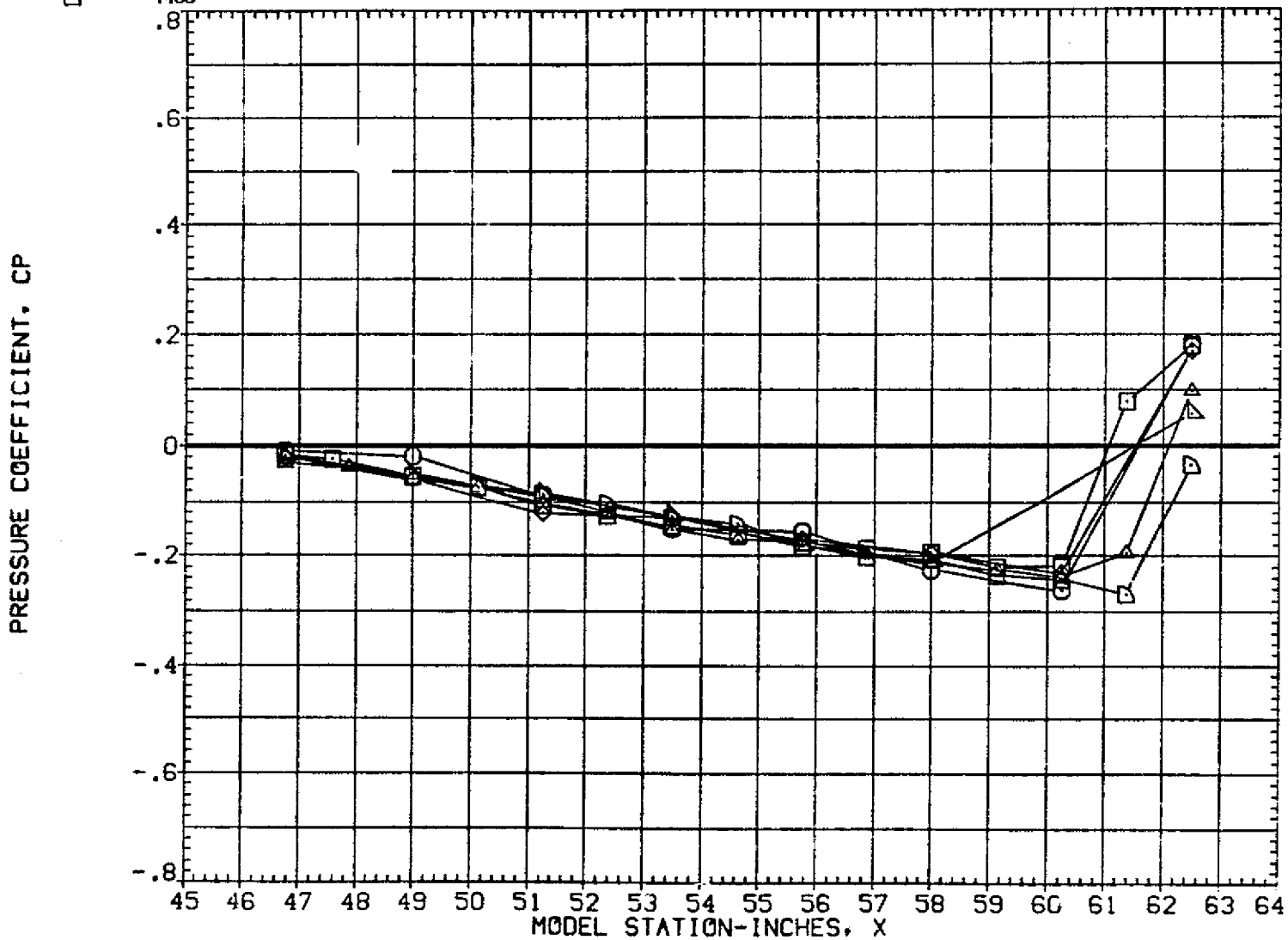


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL3B)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.070	1.147
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2YI/B	.250

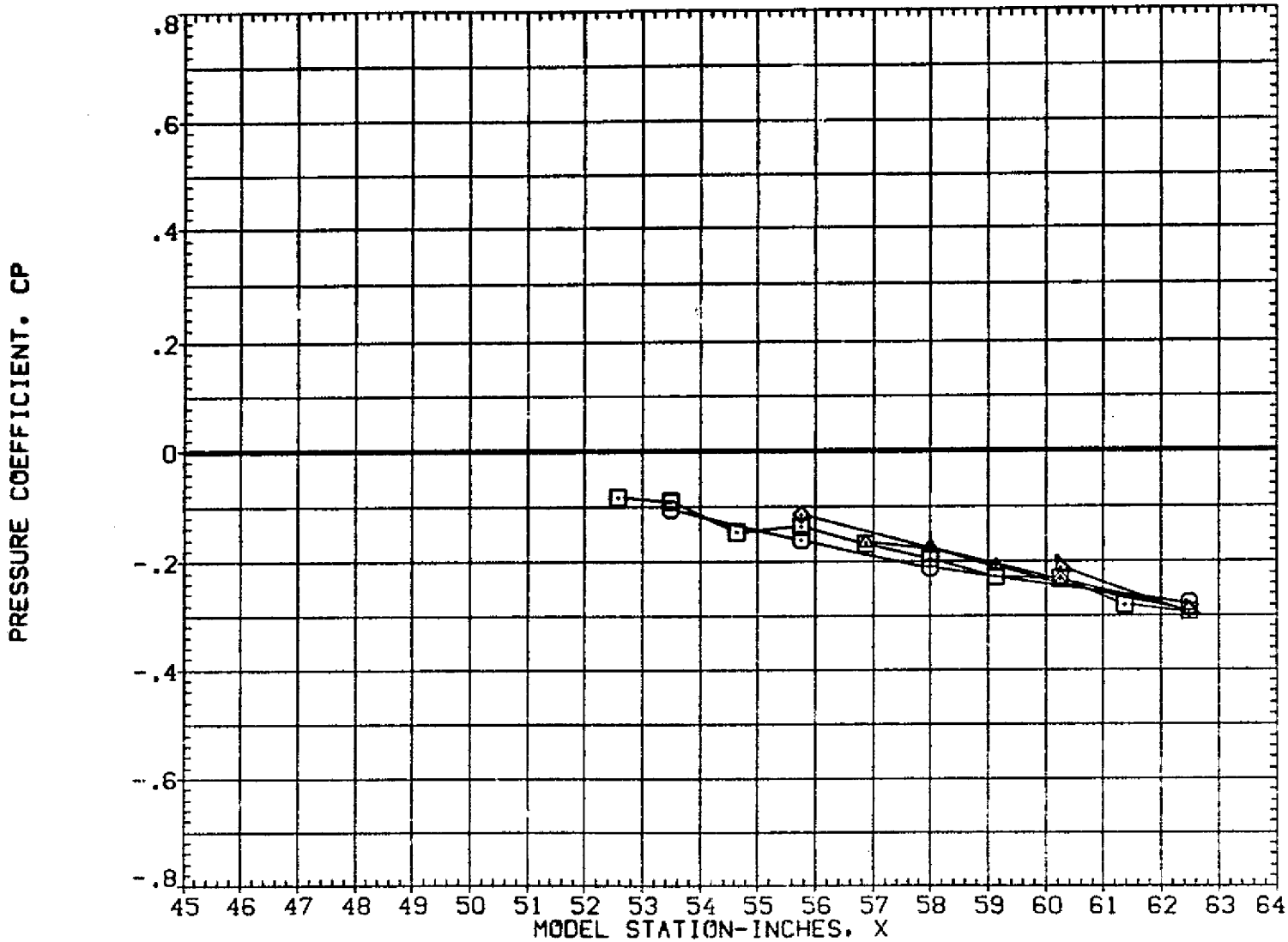


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

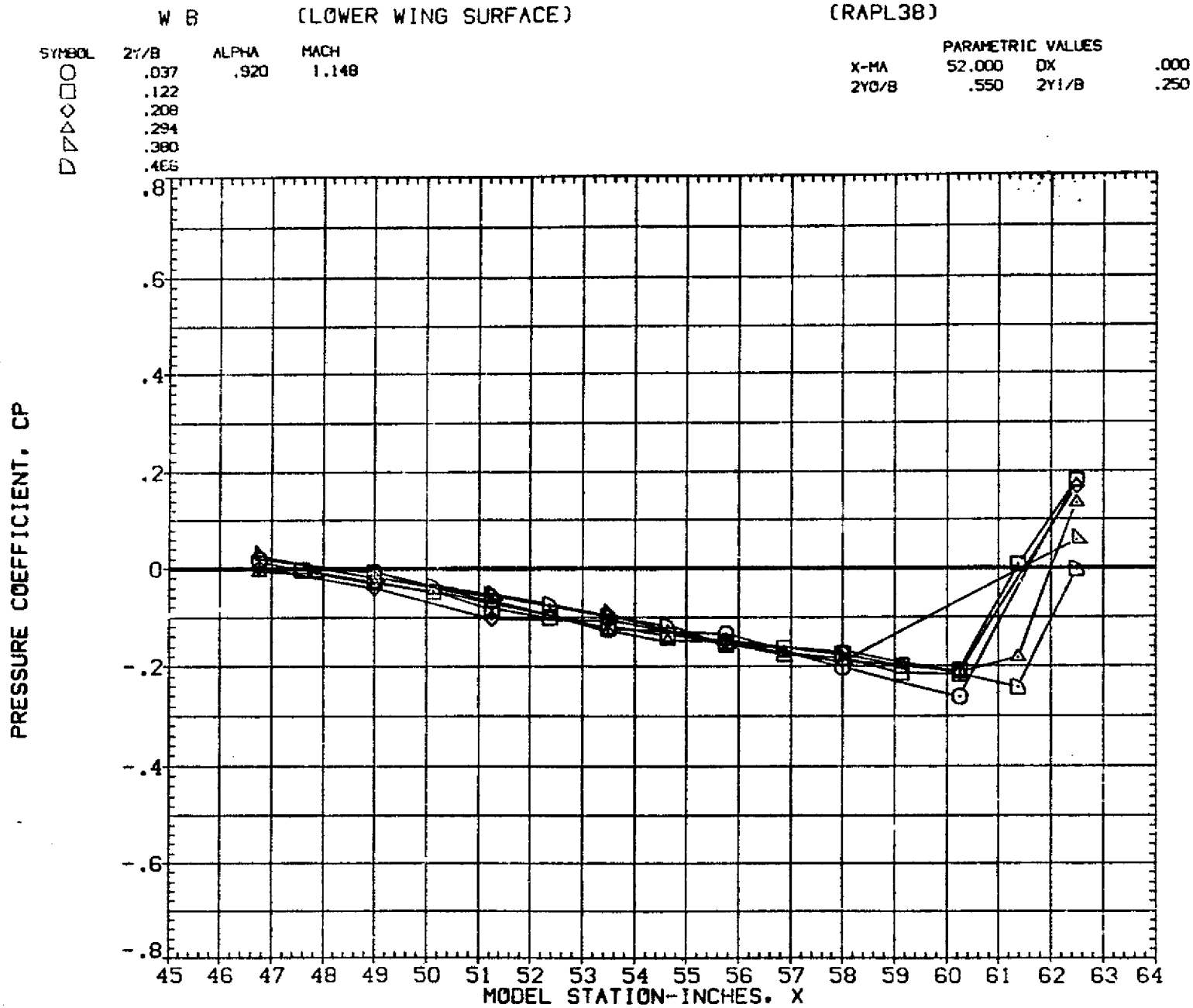


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.920	1.148
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

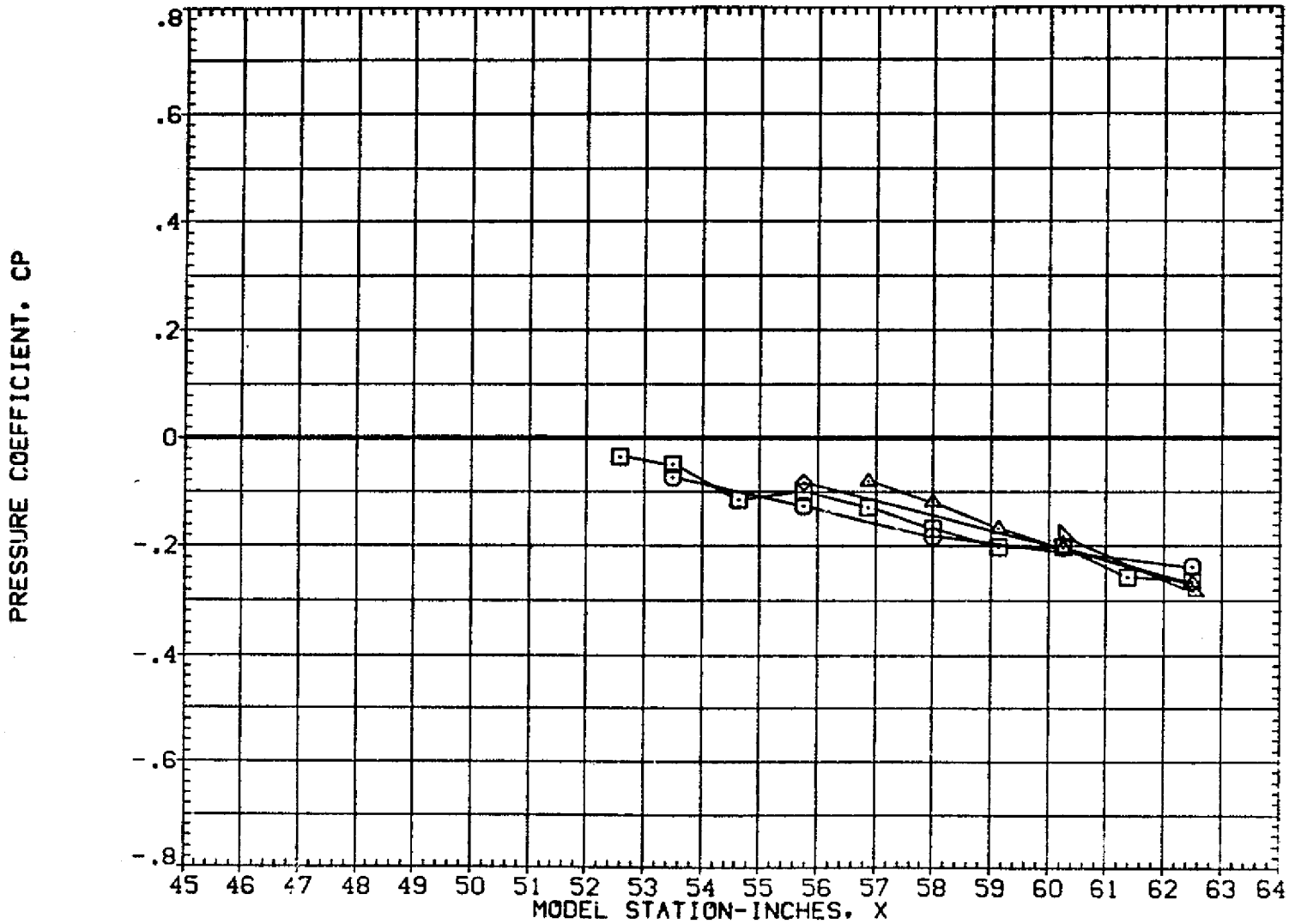


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

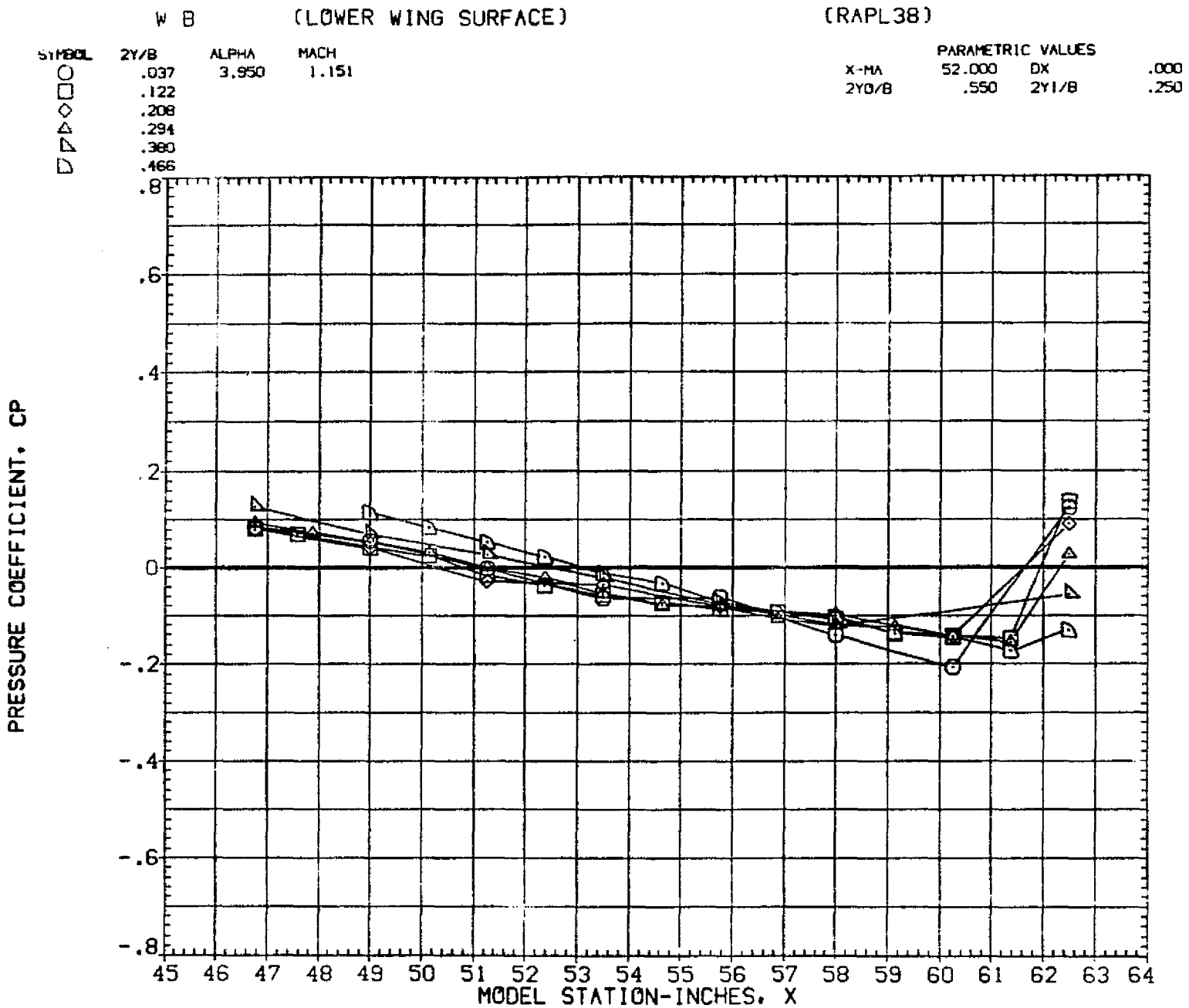


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	3.950	1.151
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

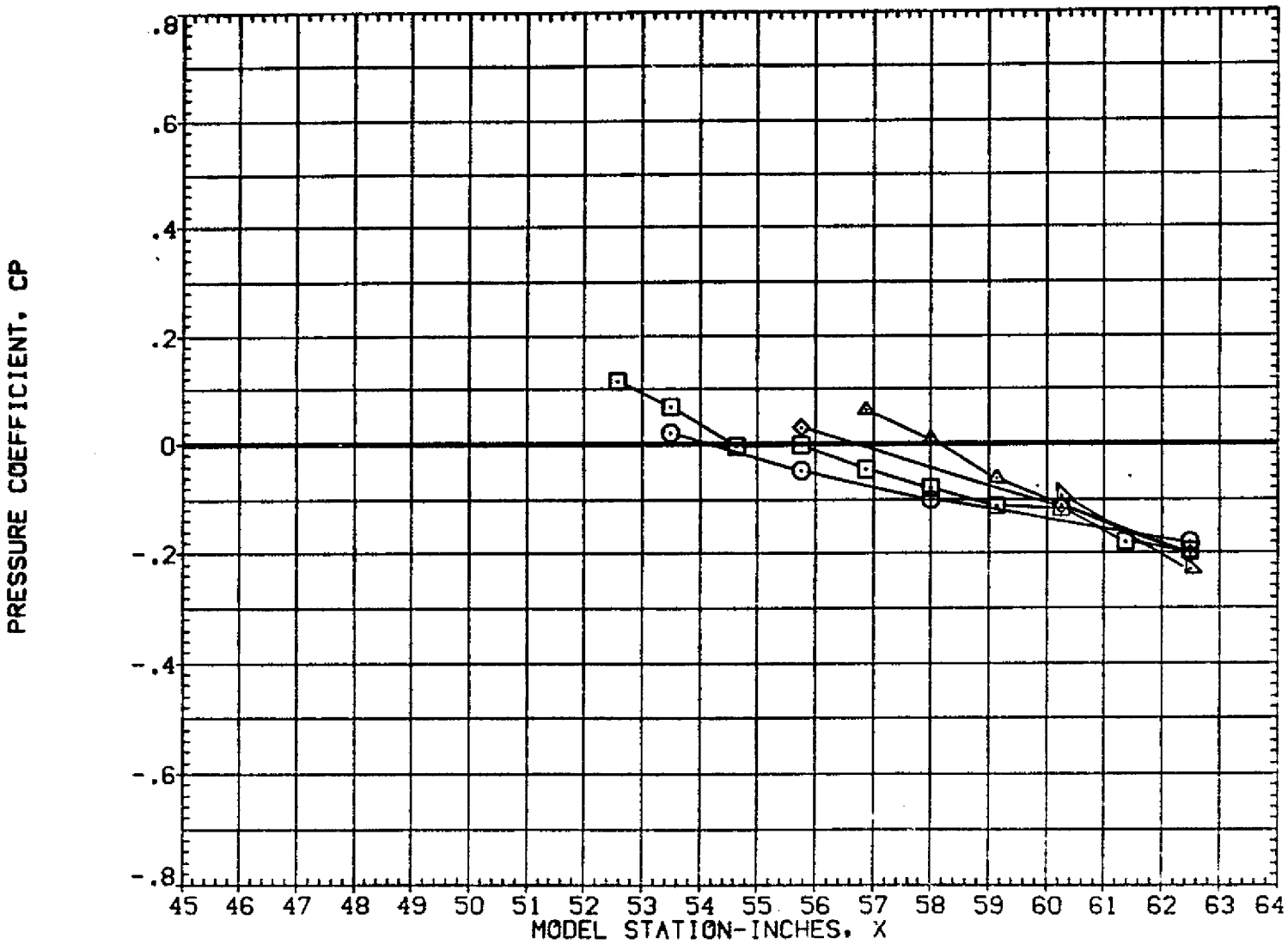


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

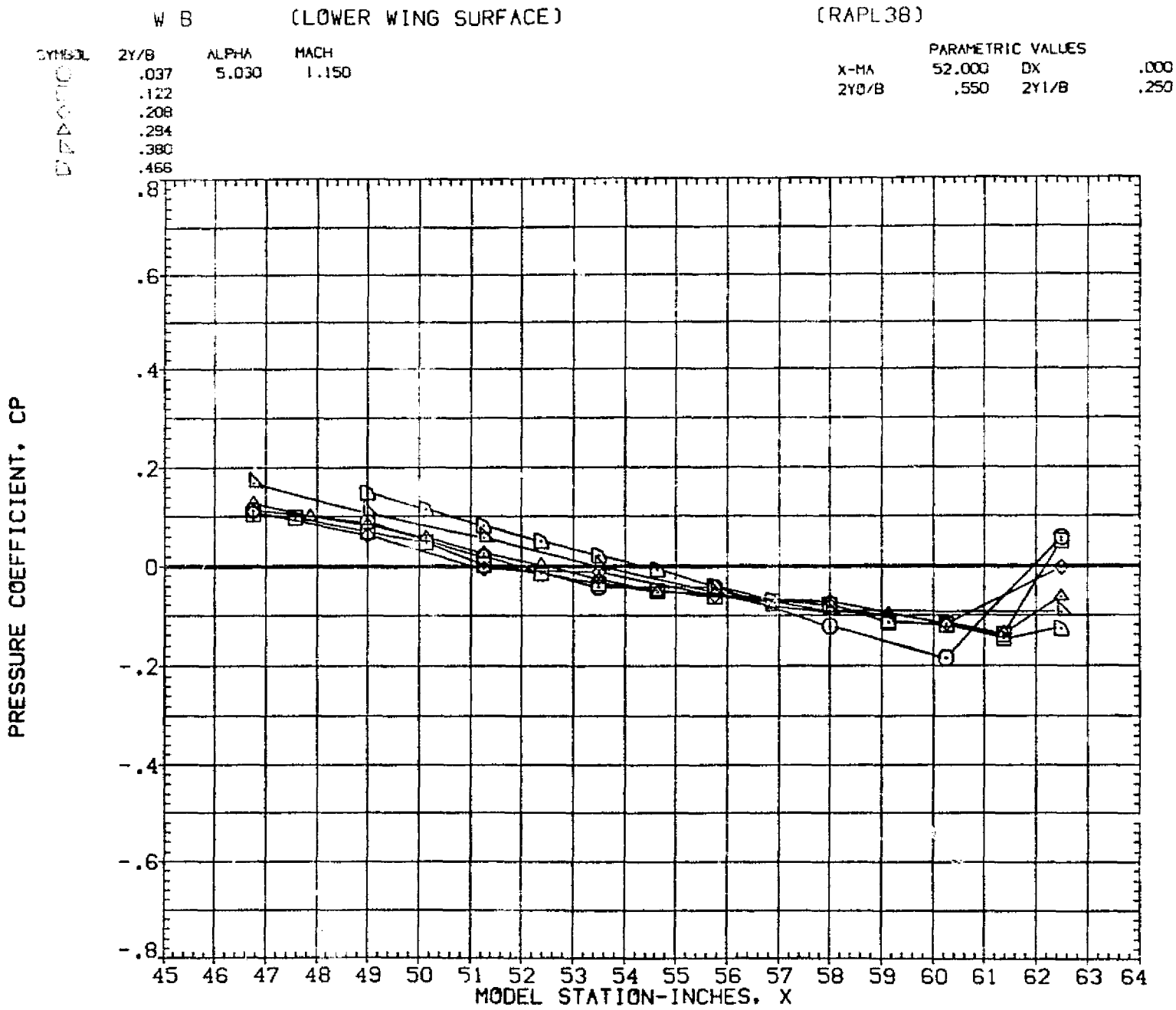


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.030	1.150
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

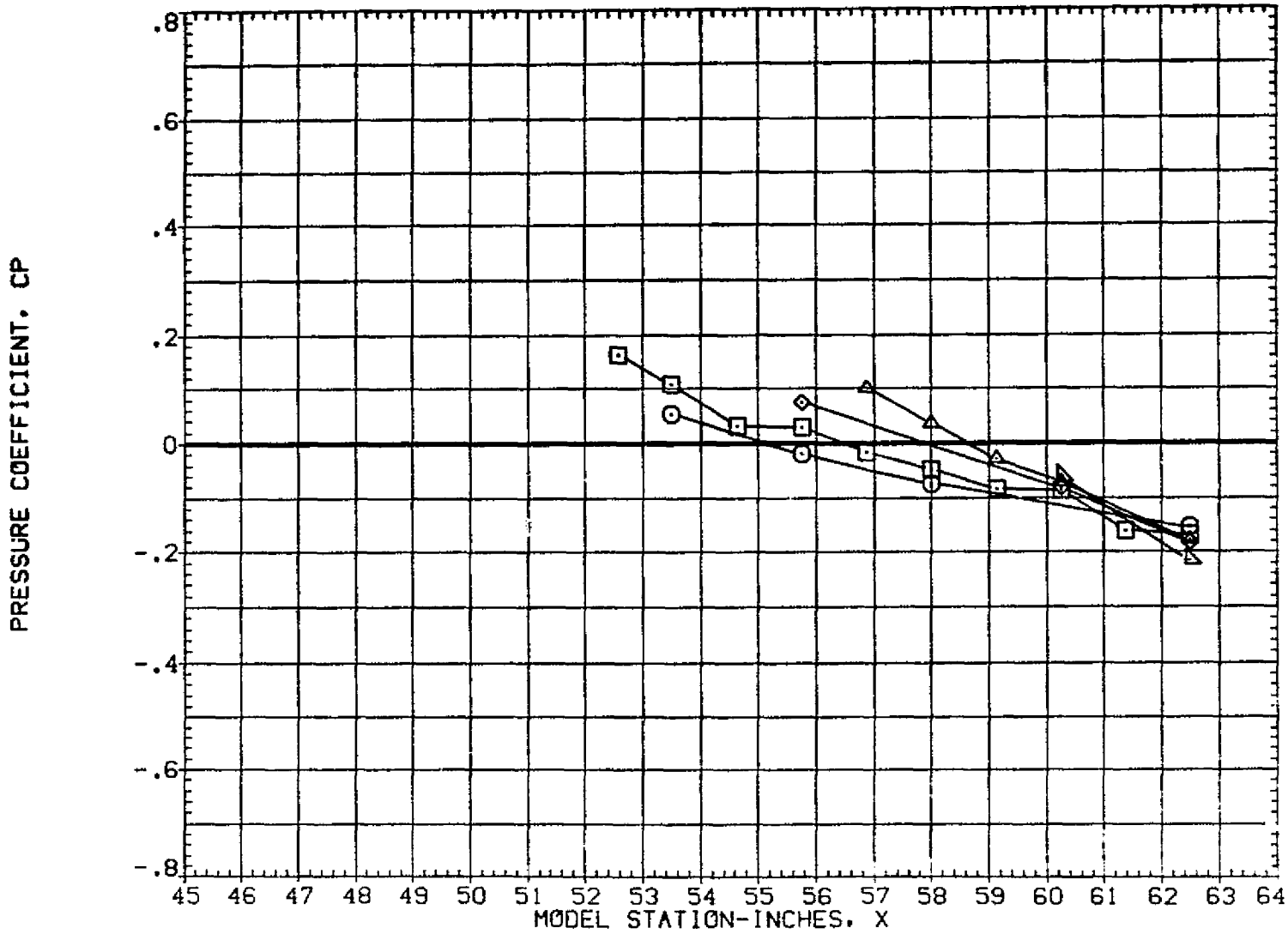


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

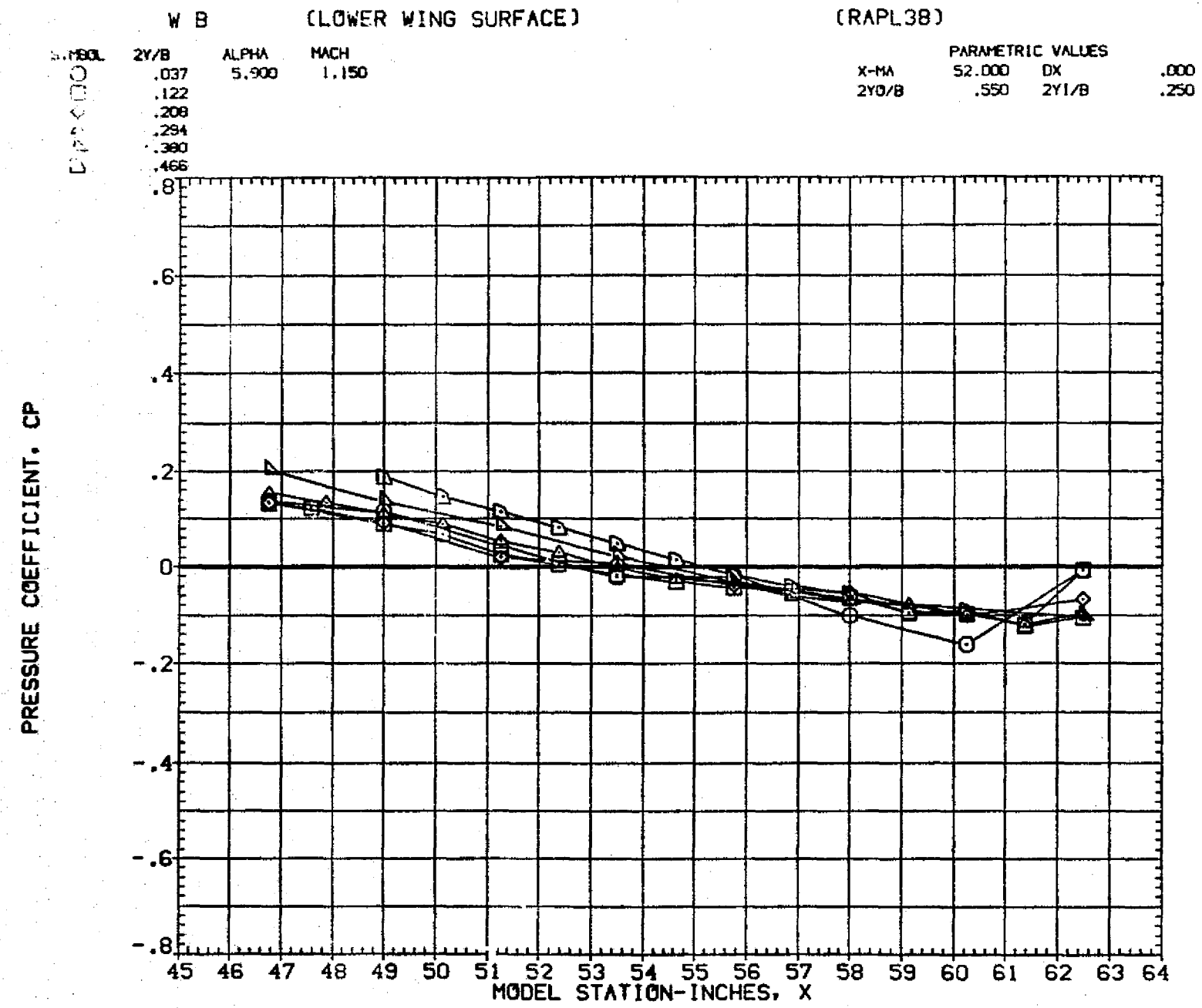


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

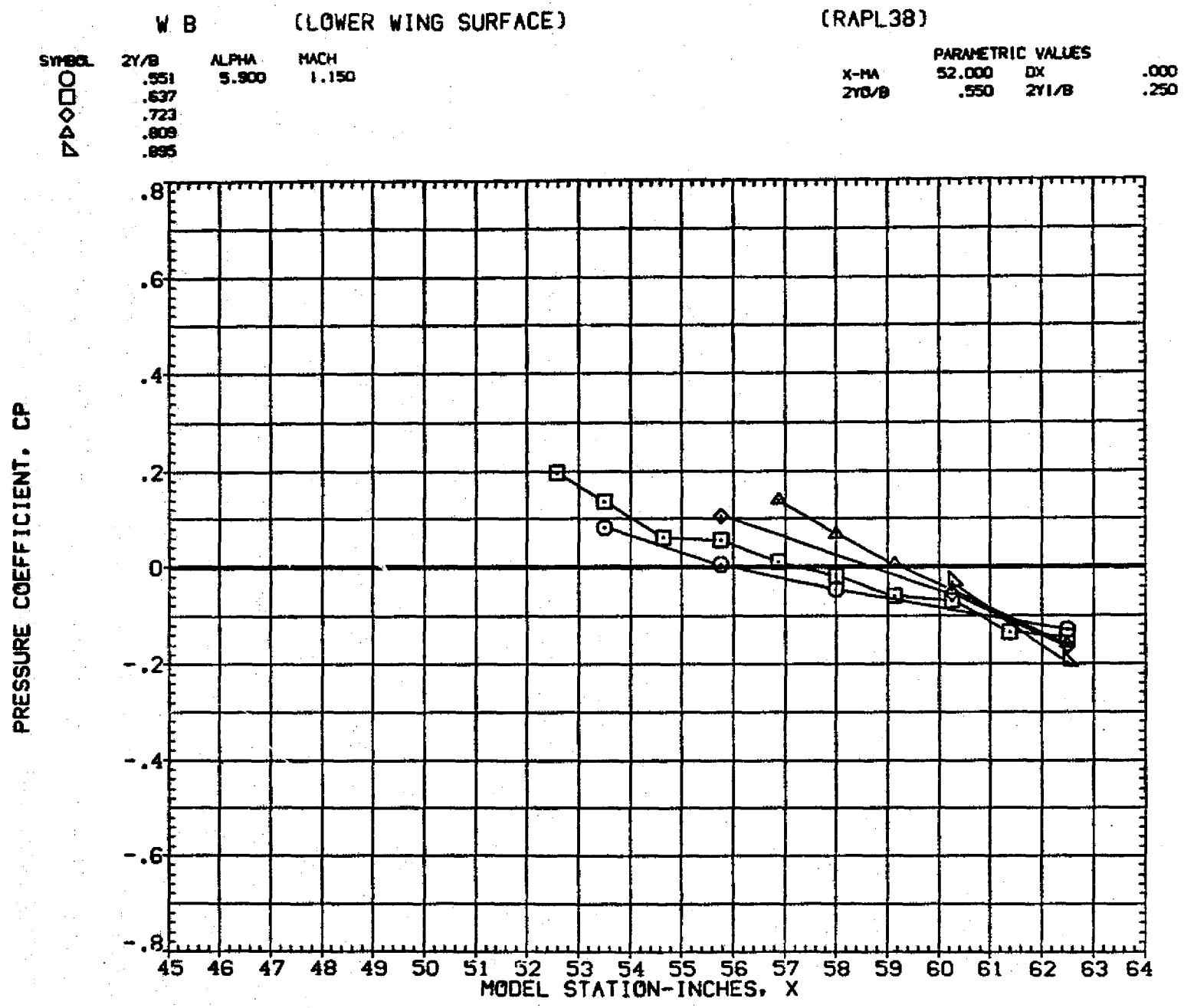


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

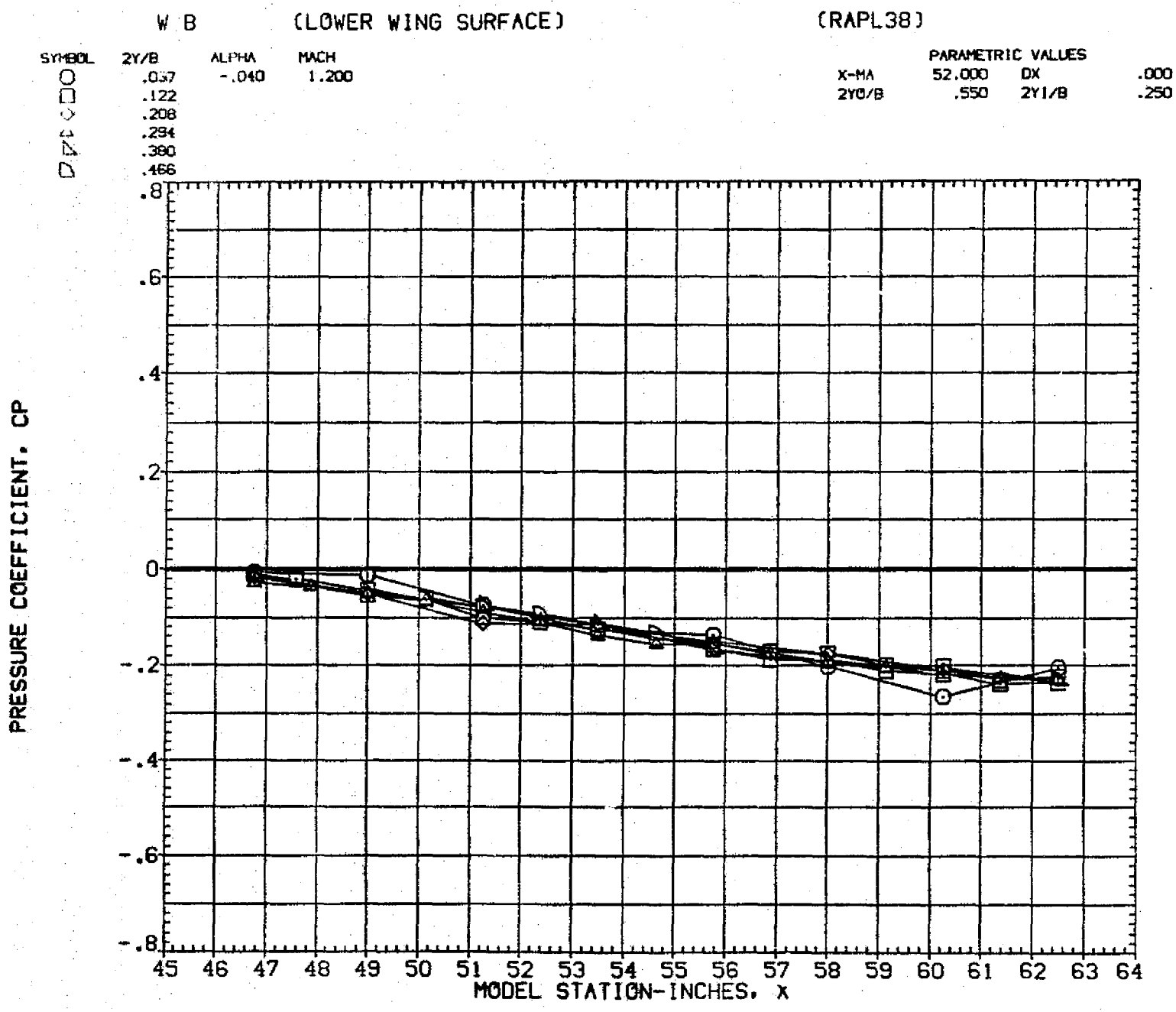


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

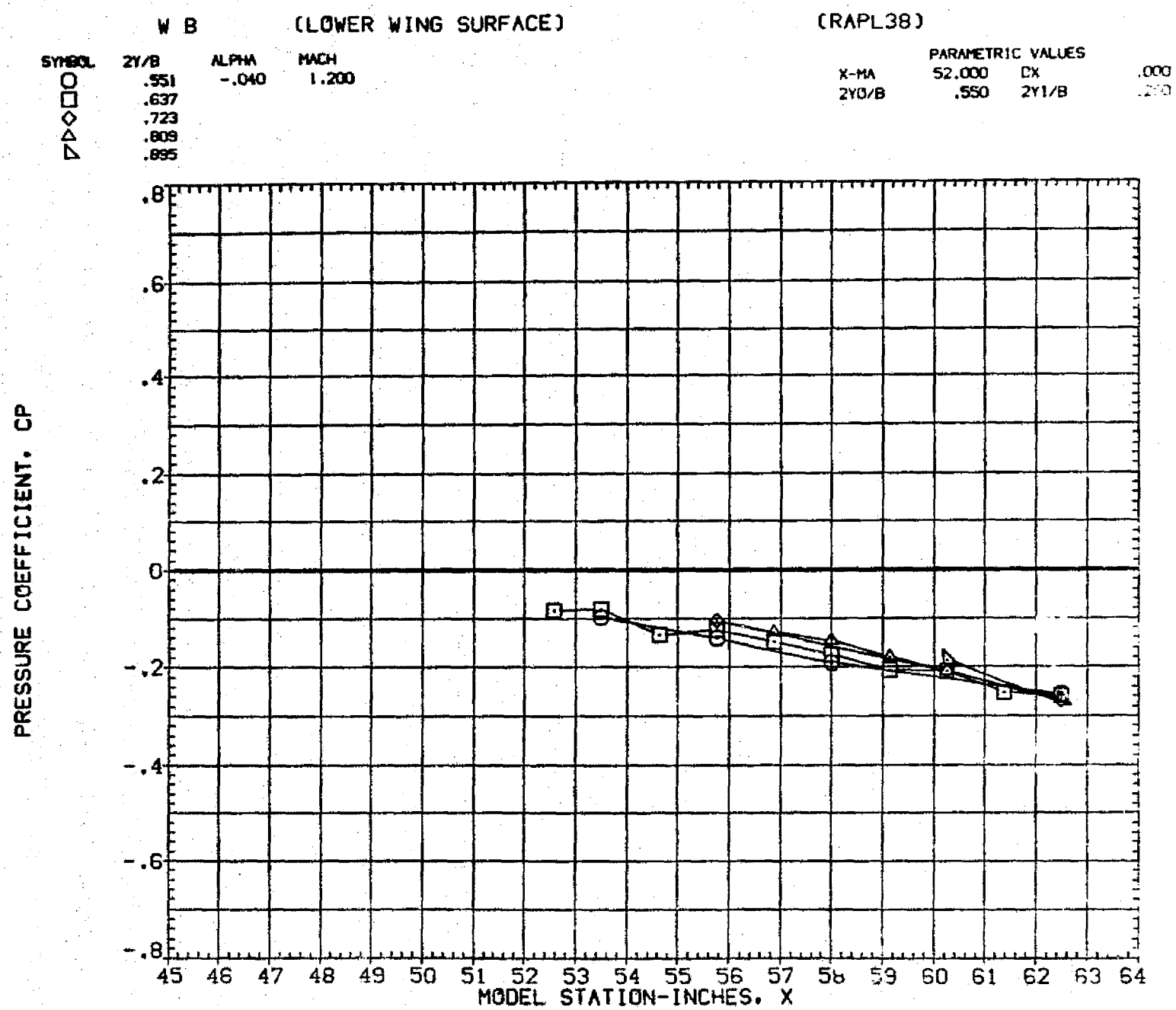


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

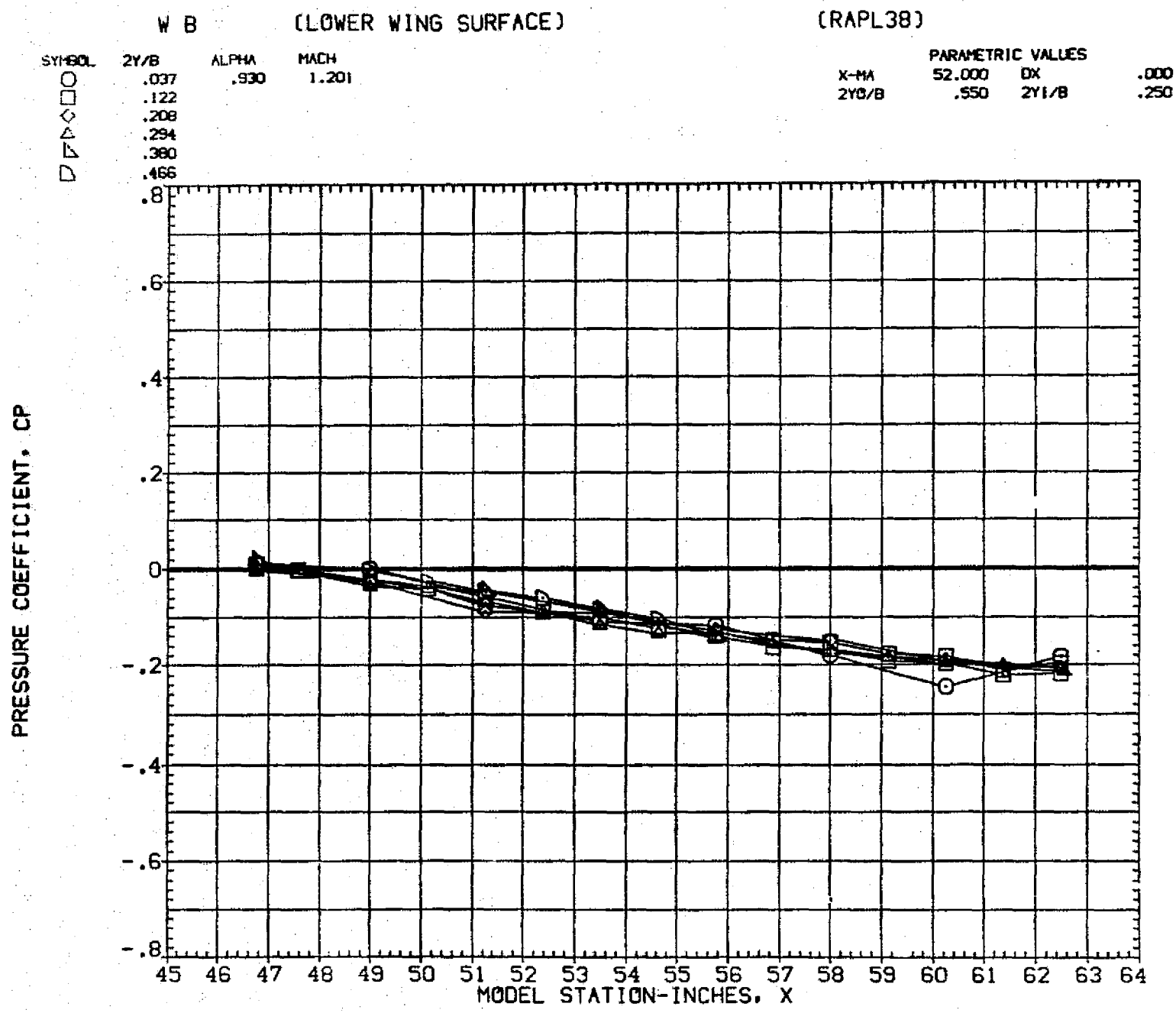


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.930	1.201
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

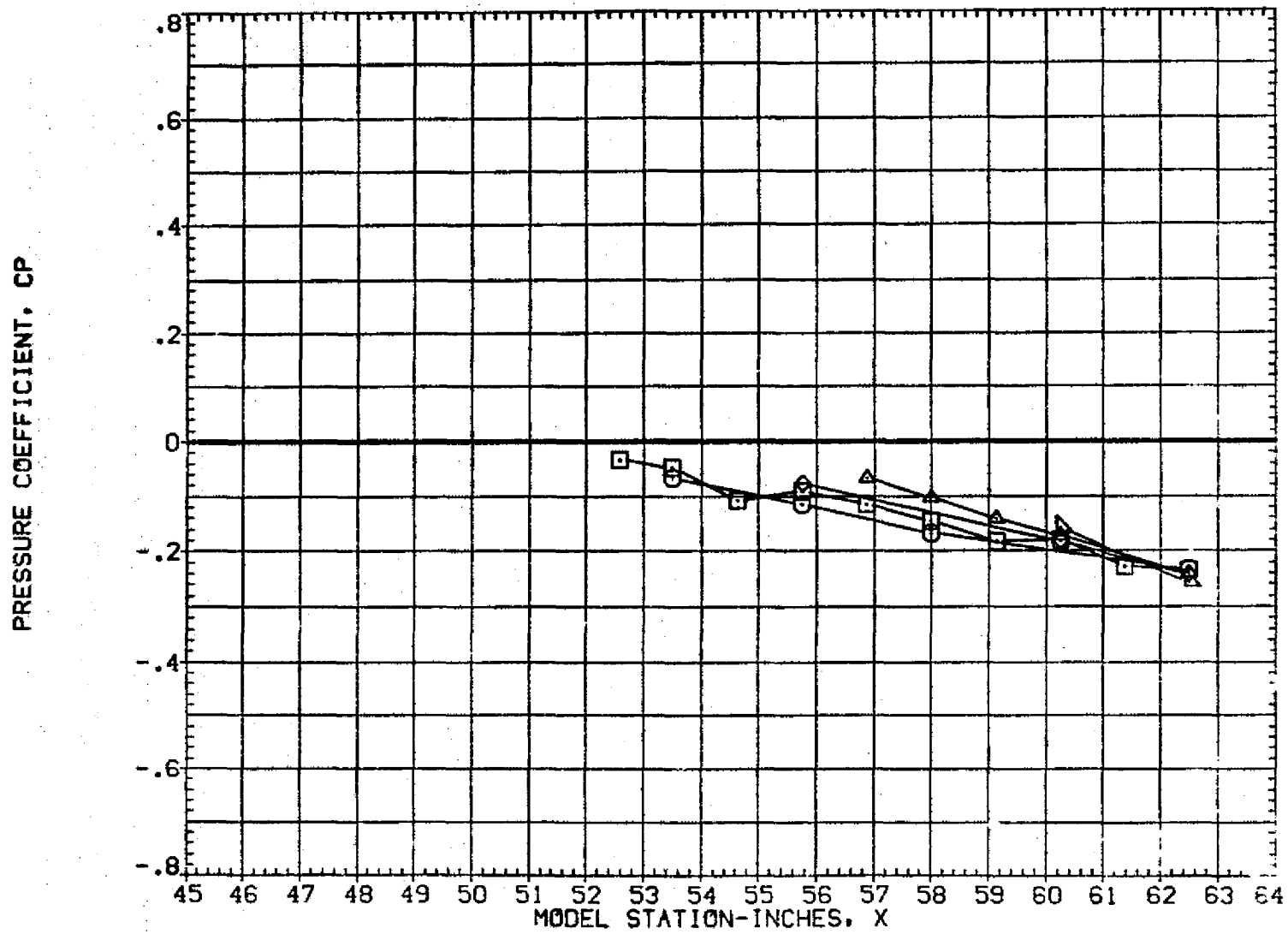


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

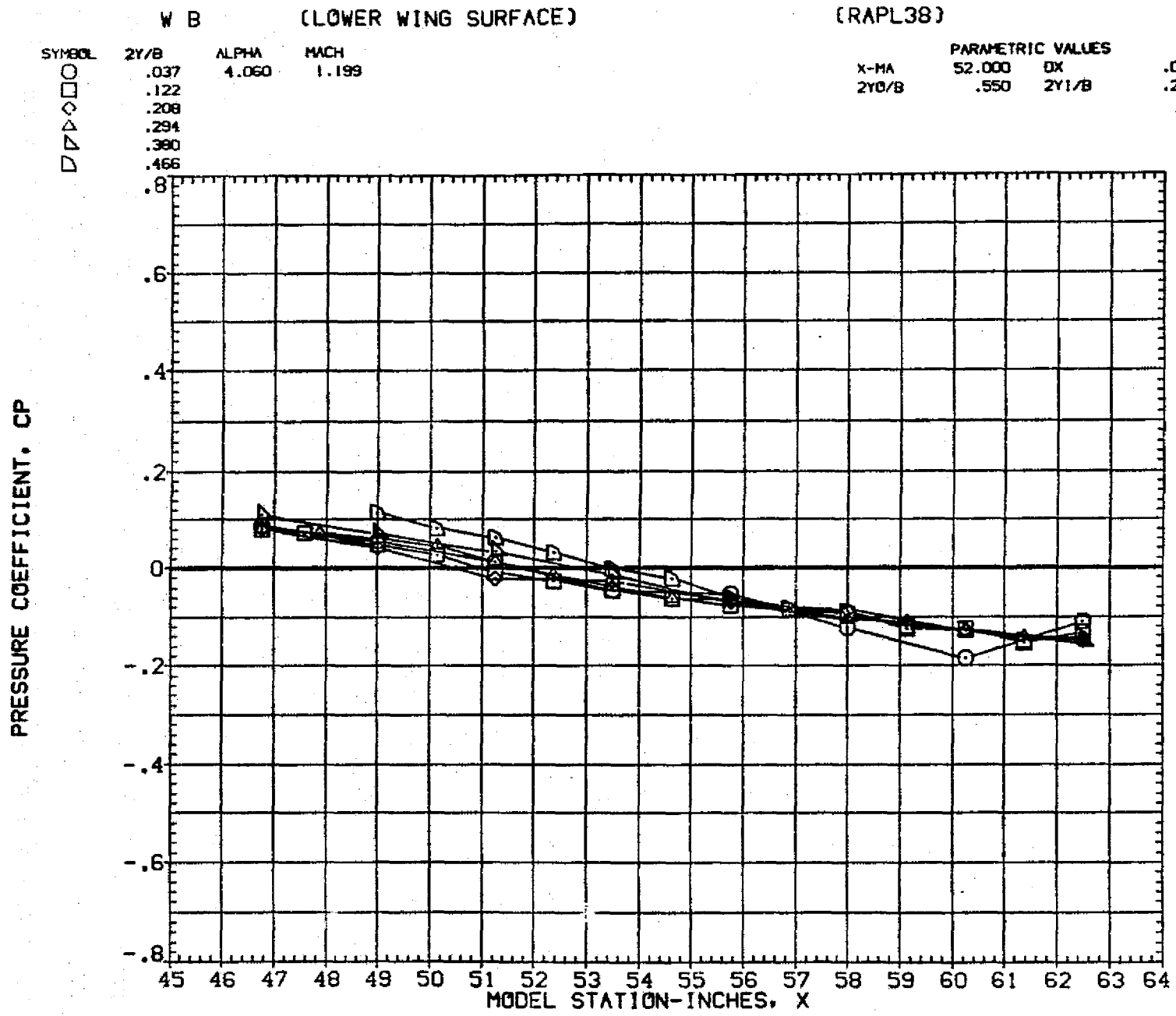


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

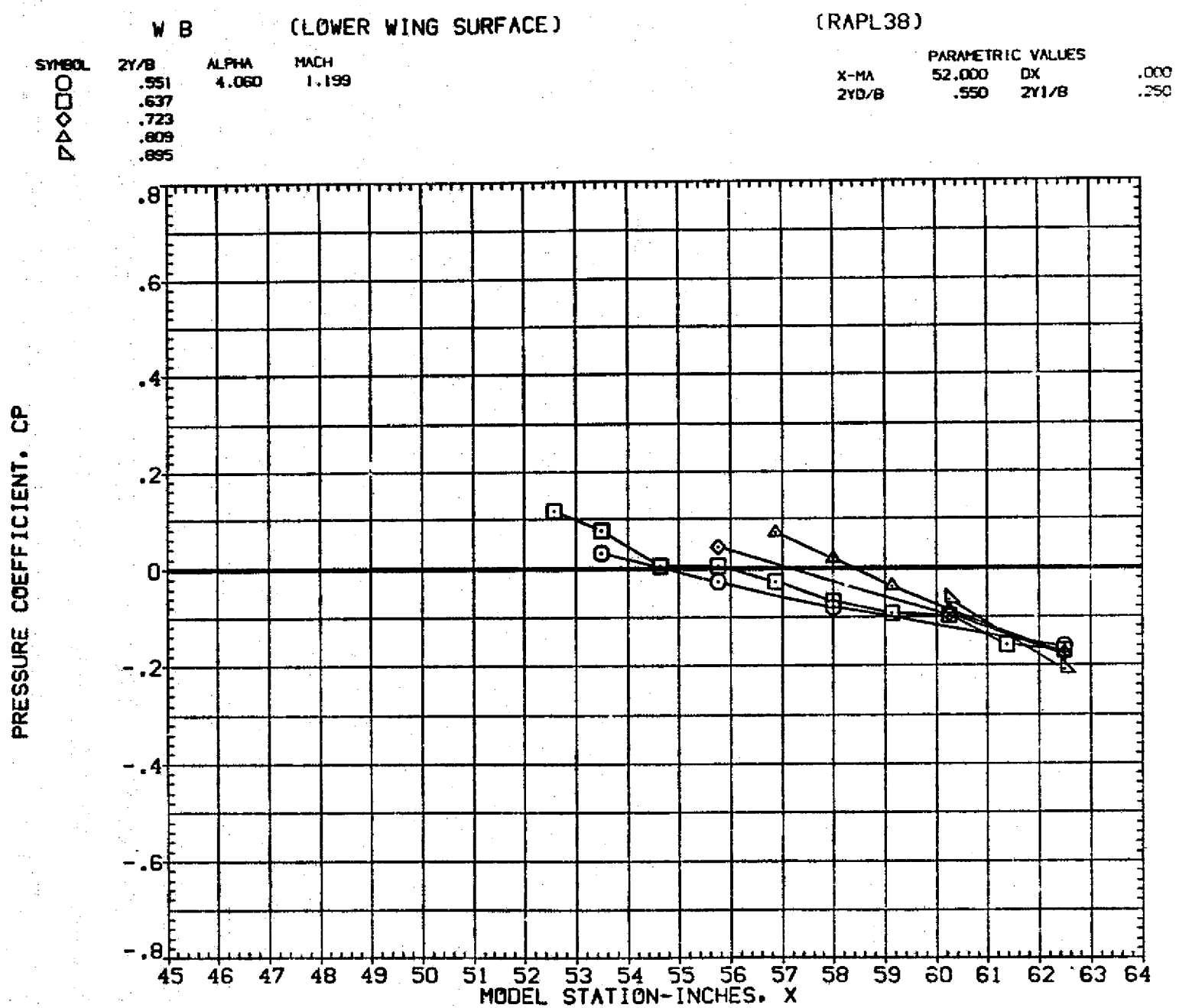


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

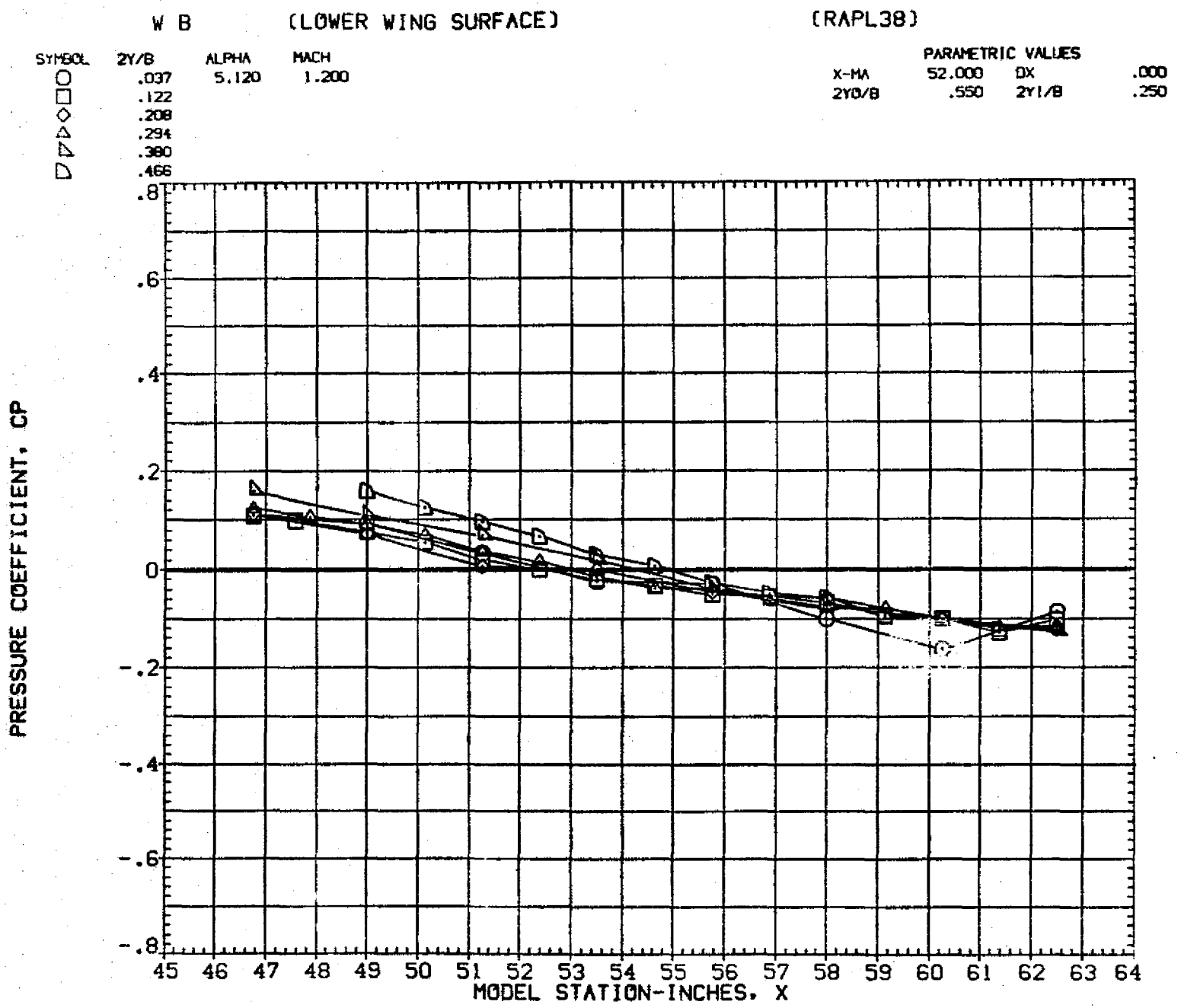


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.120	1.200
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

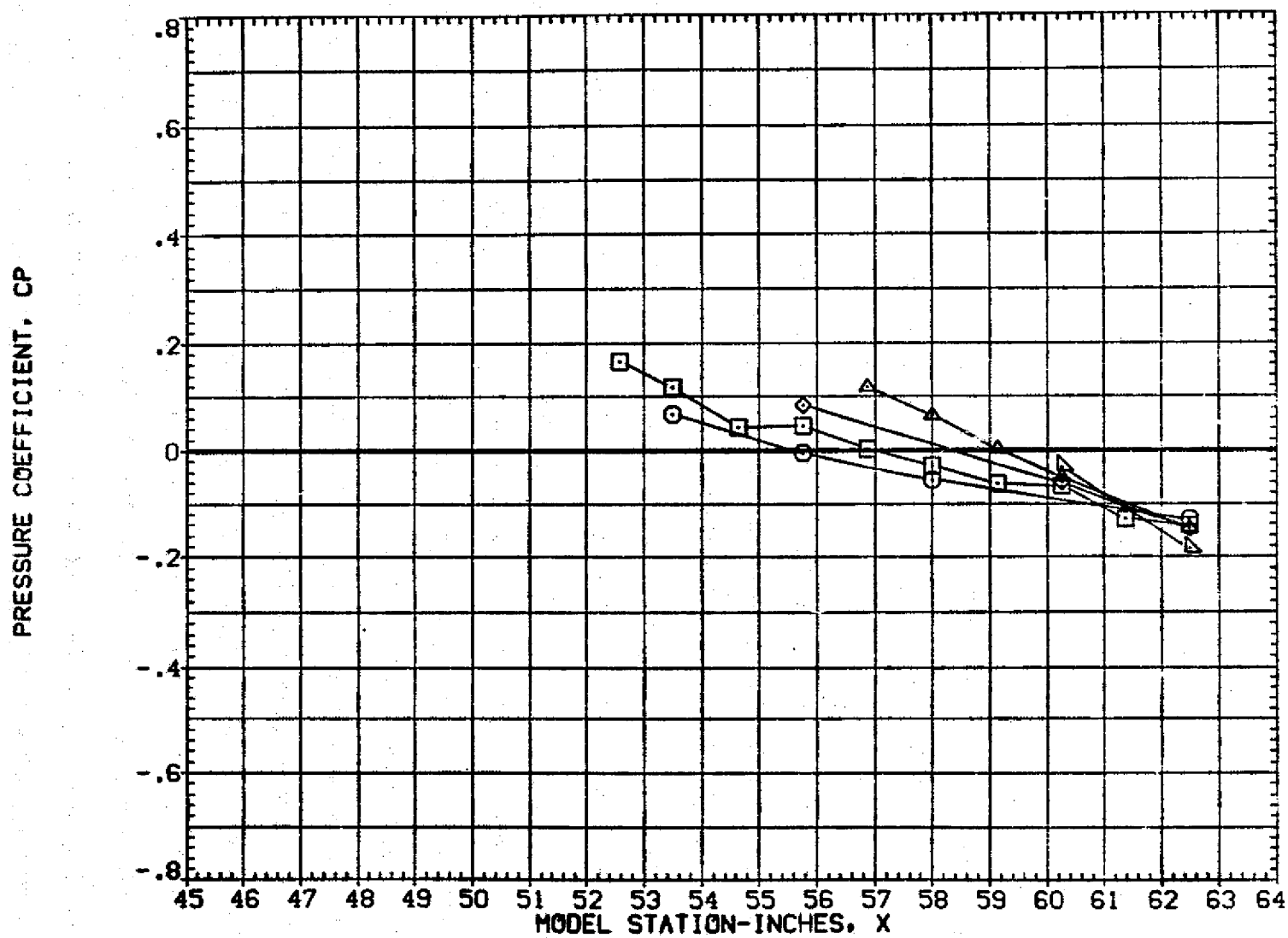


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

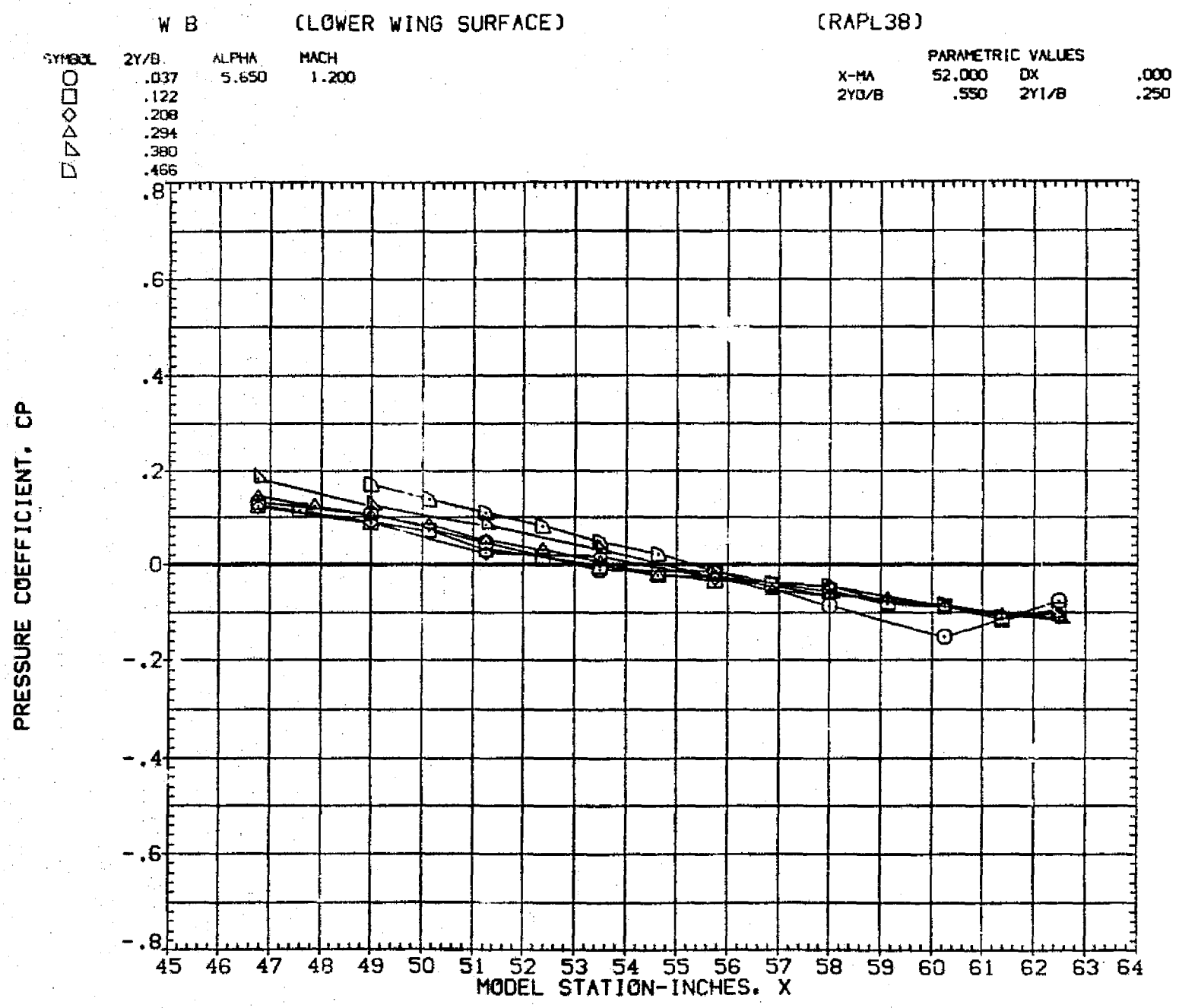


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.650	1.200
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

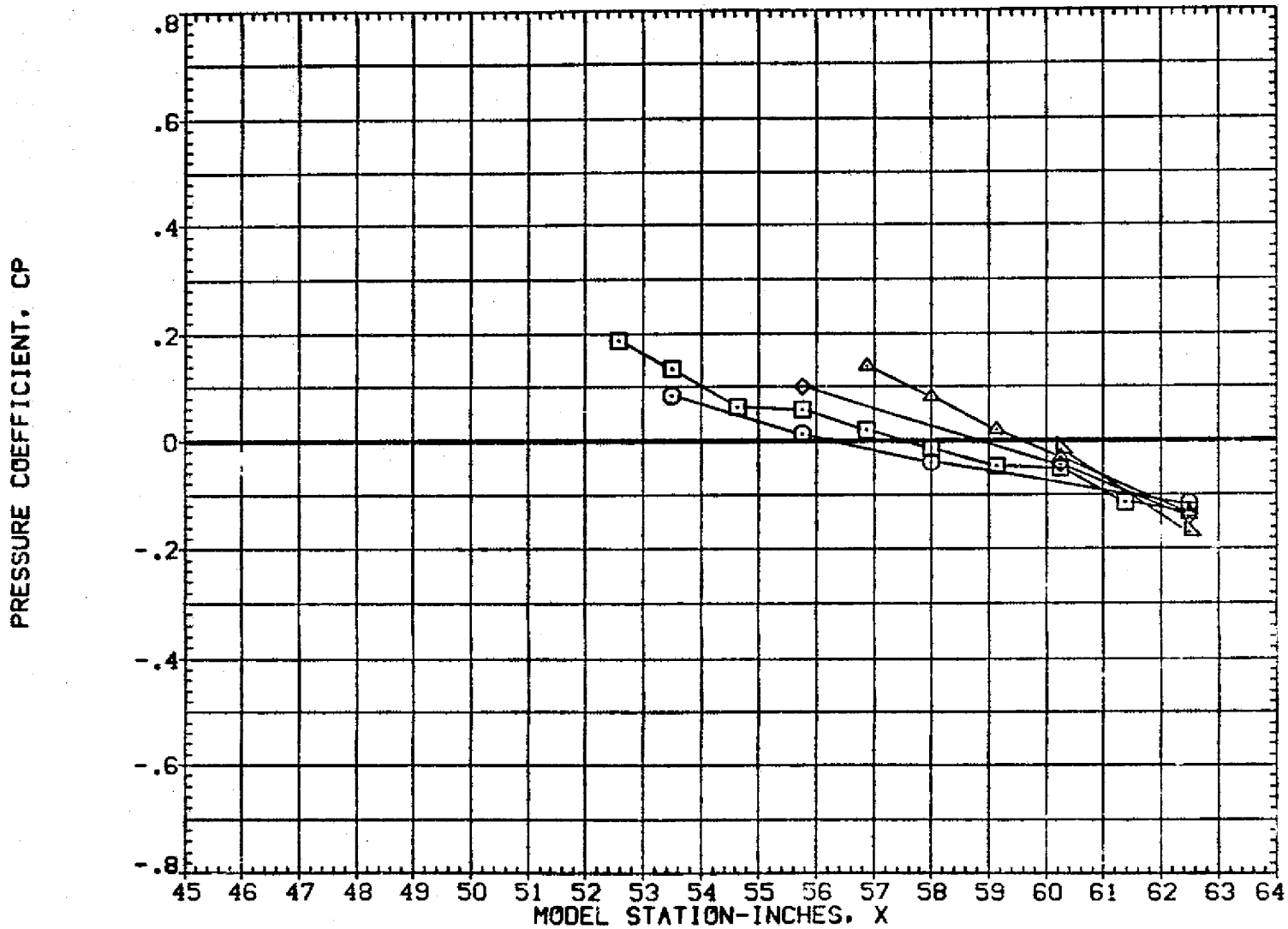


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

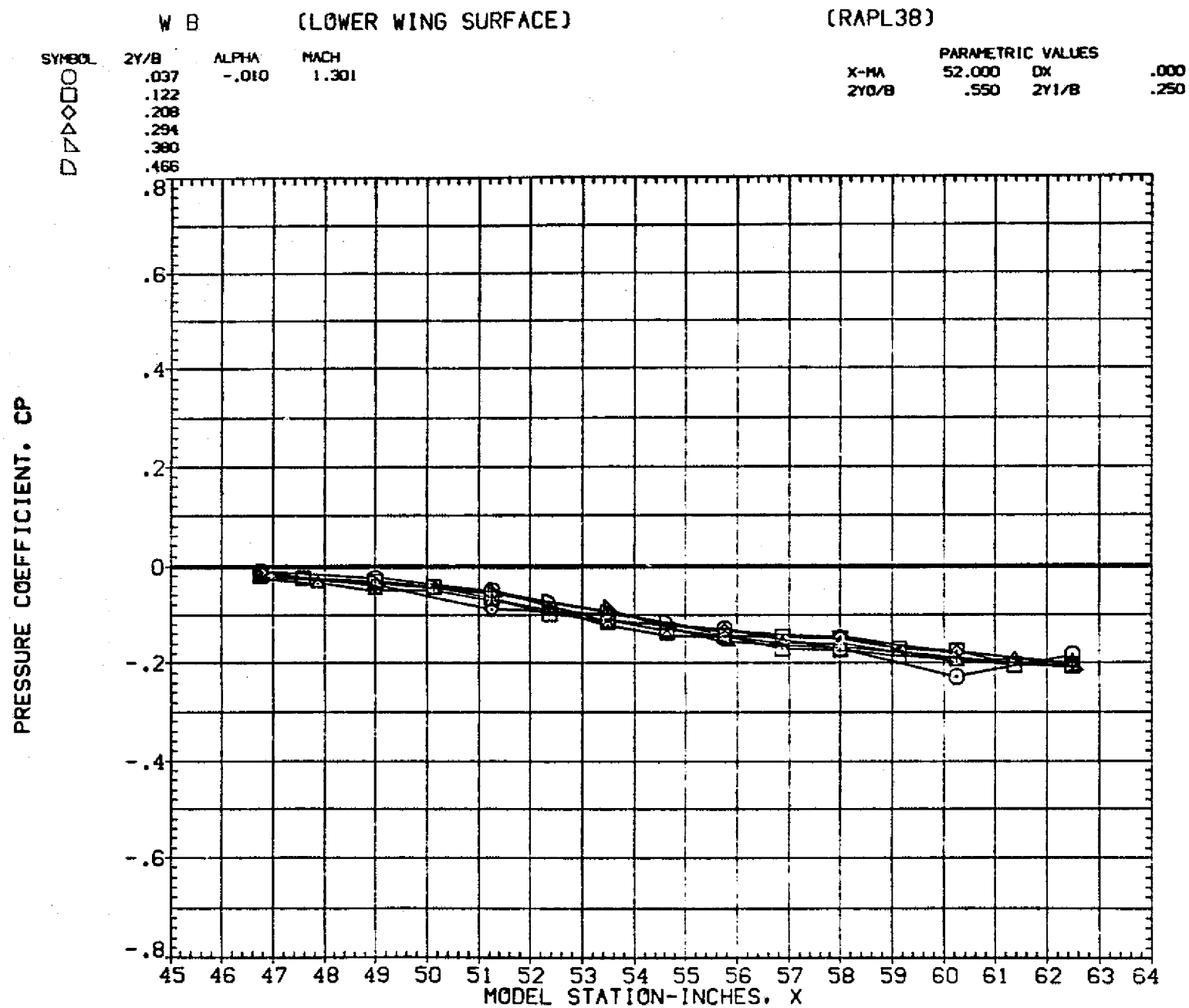


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.010	1.301
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

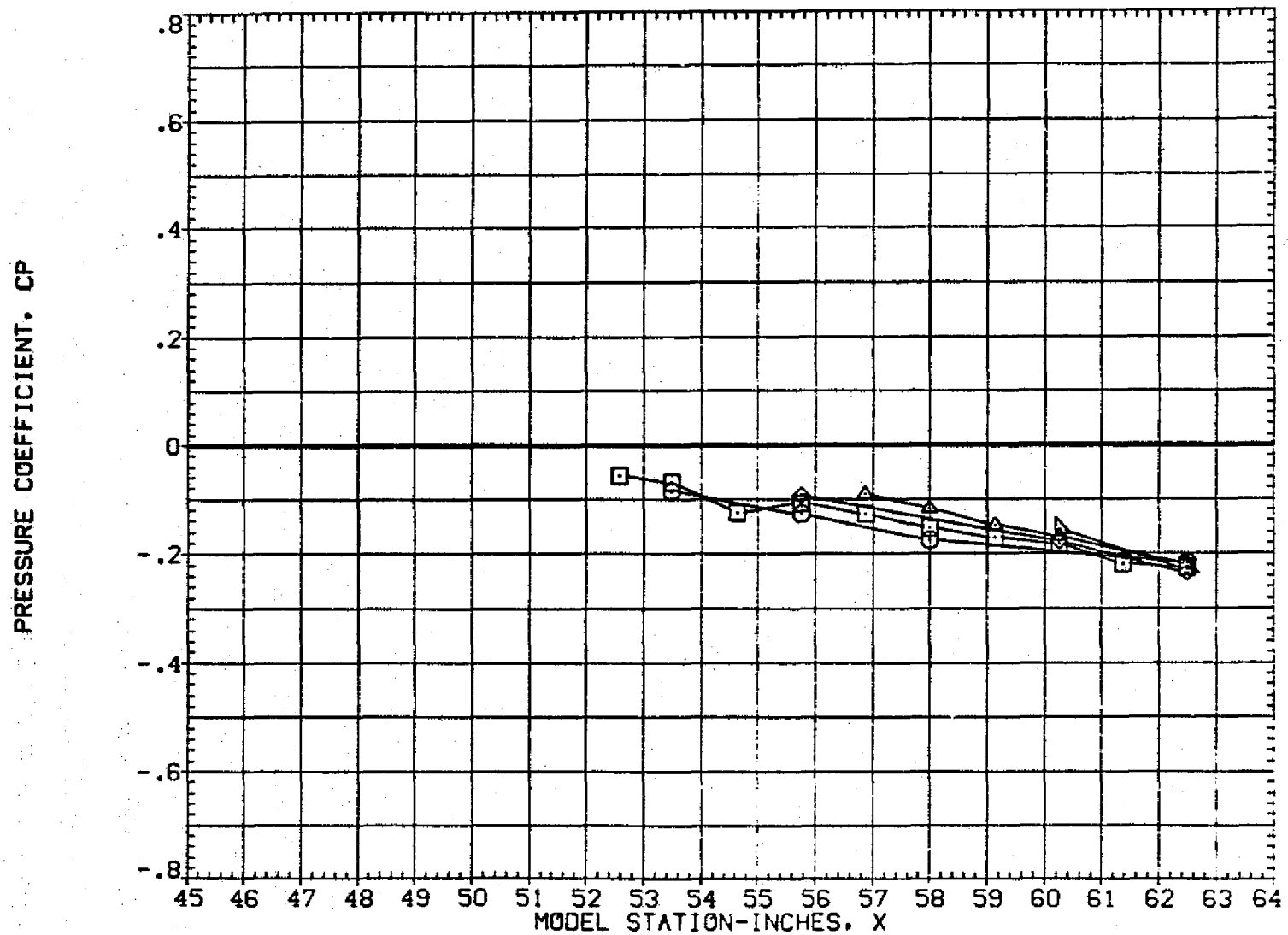


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

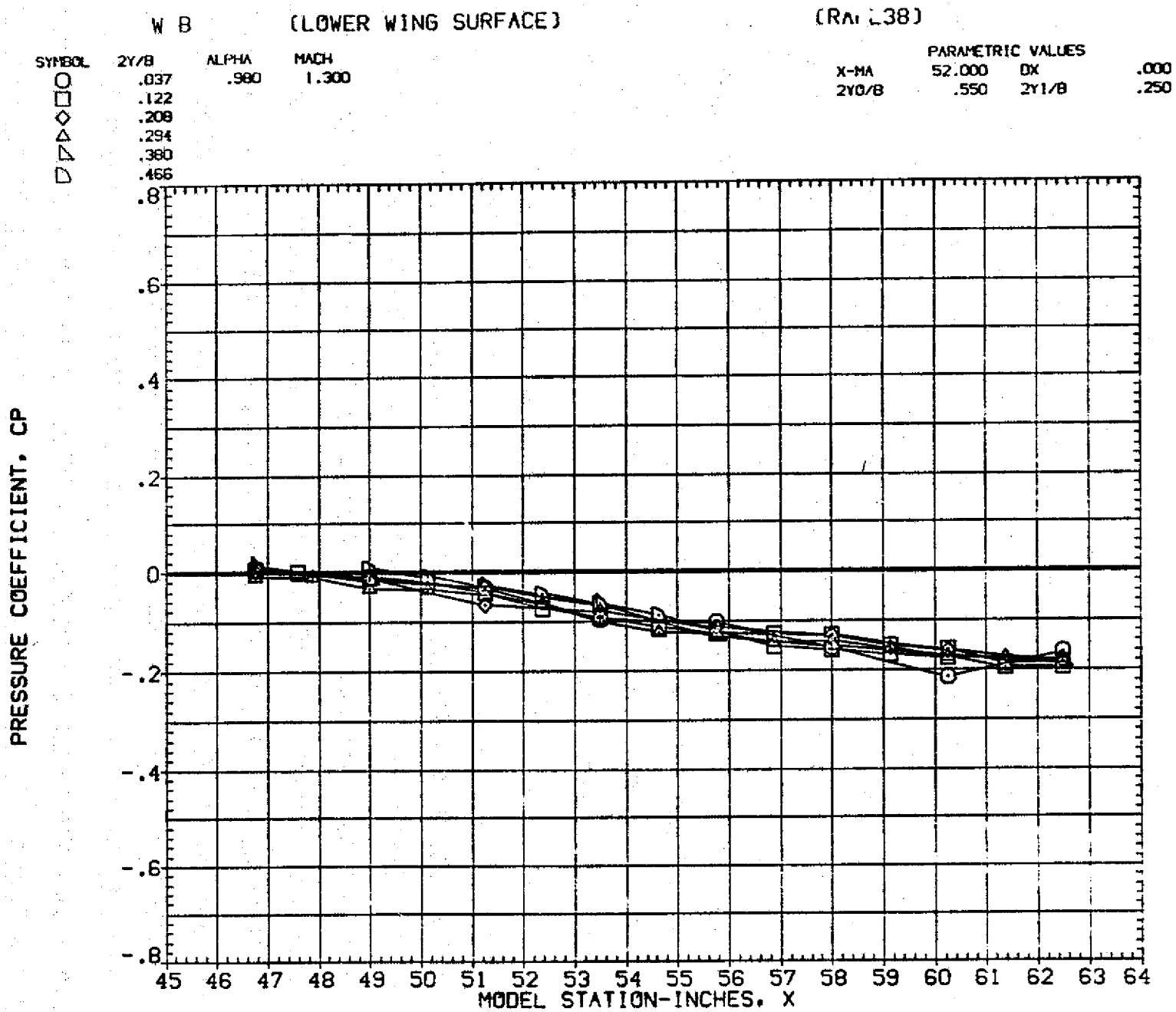


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.980	1.300
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

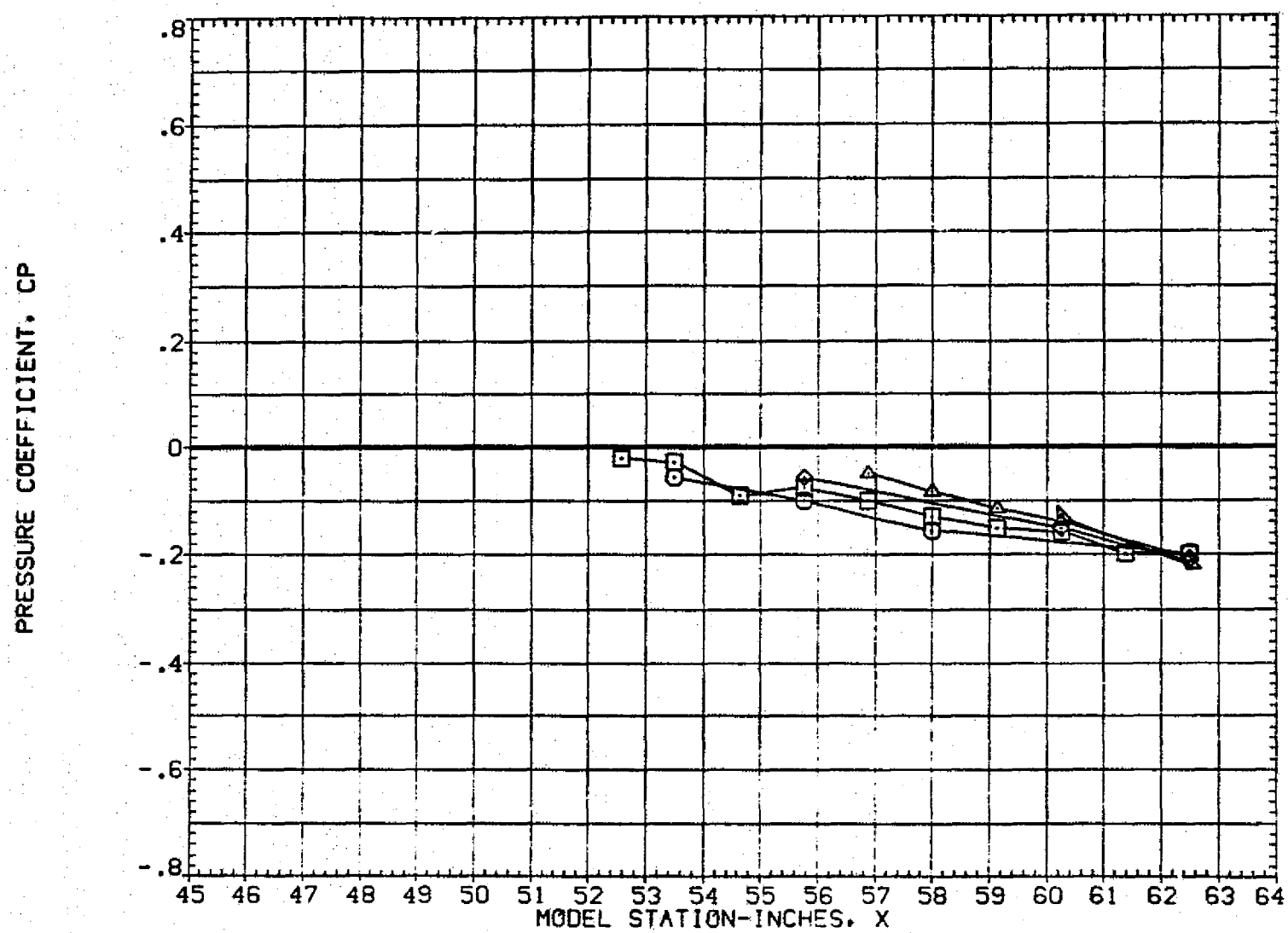


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

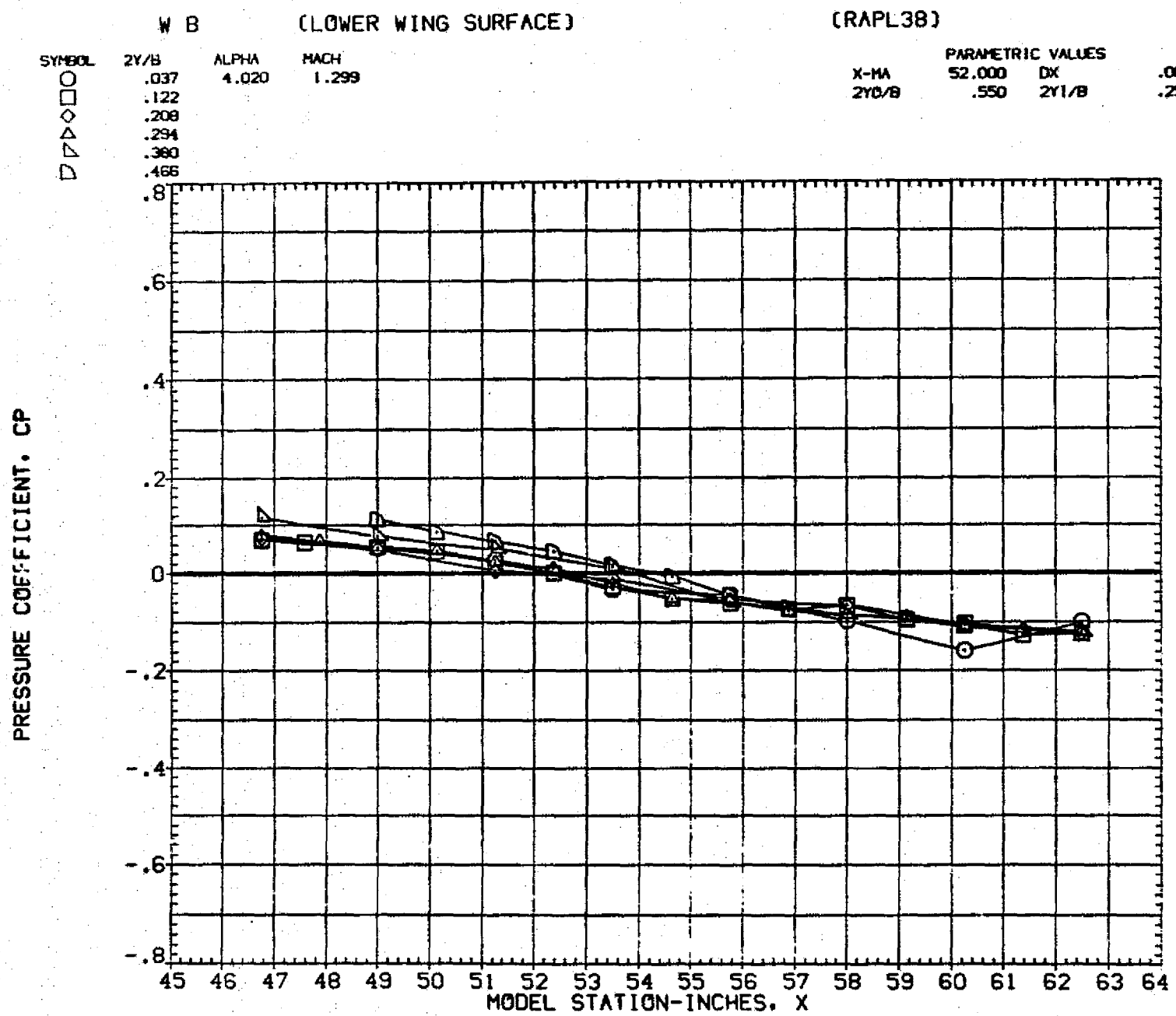


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.020	1.299
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

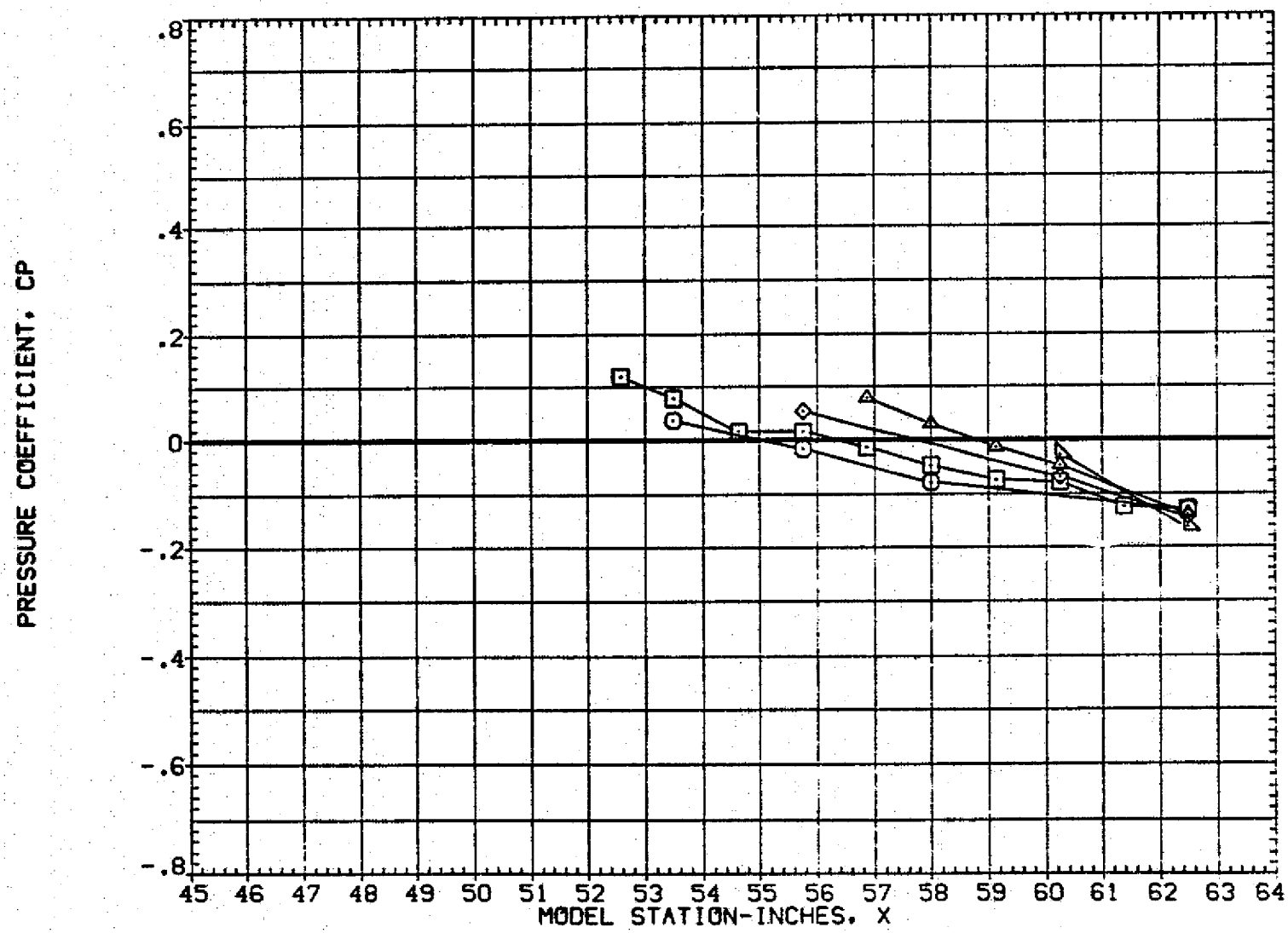


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

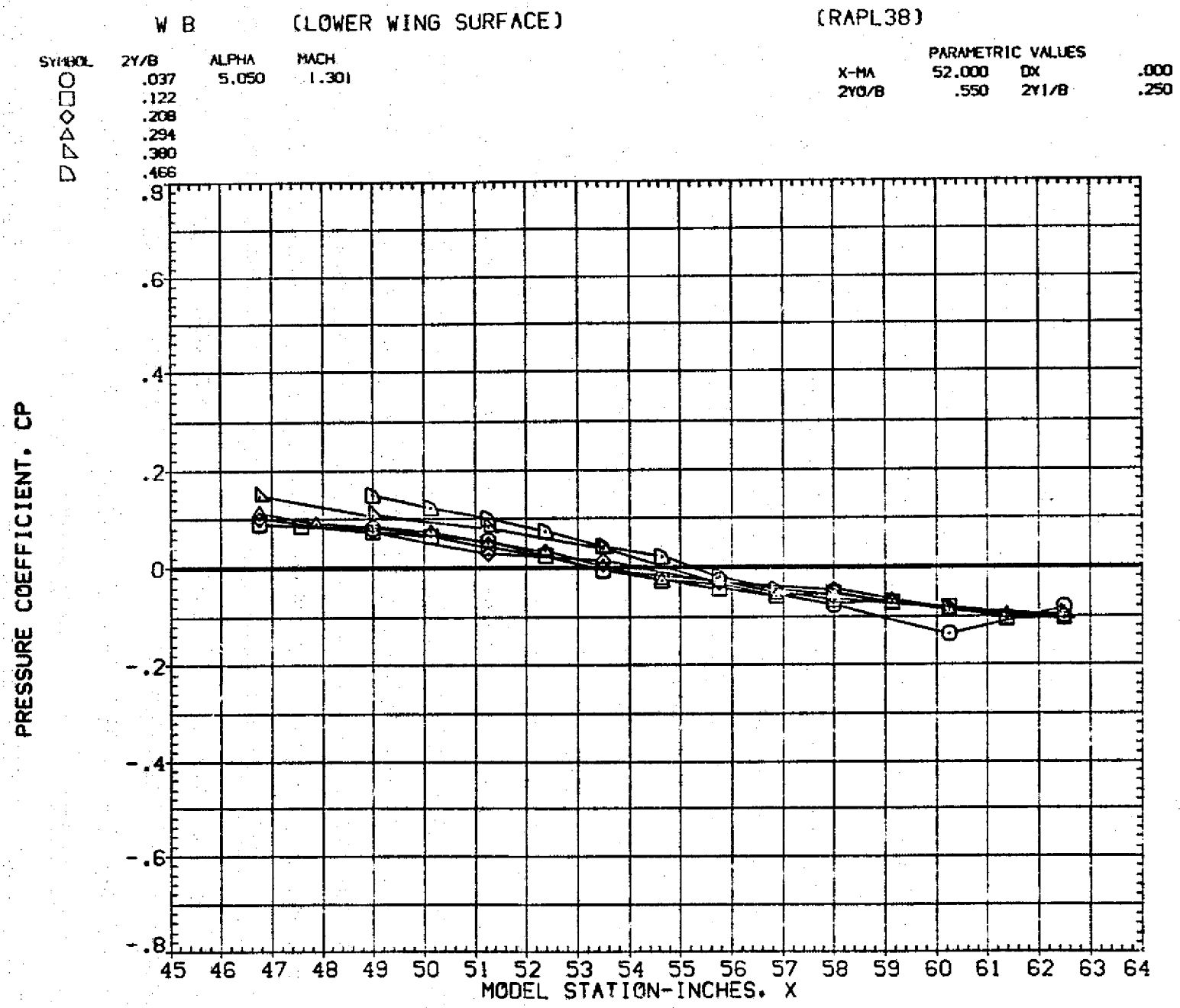


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.050	1.301
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

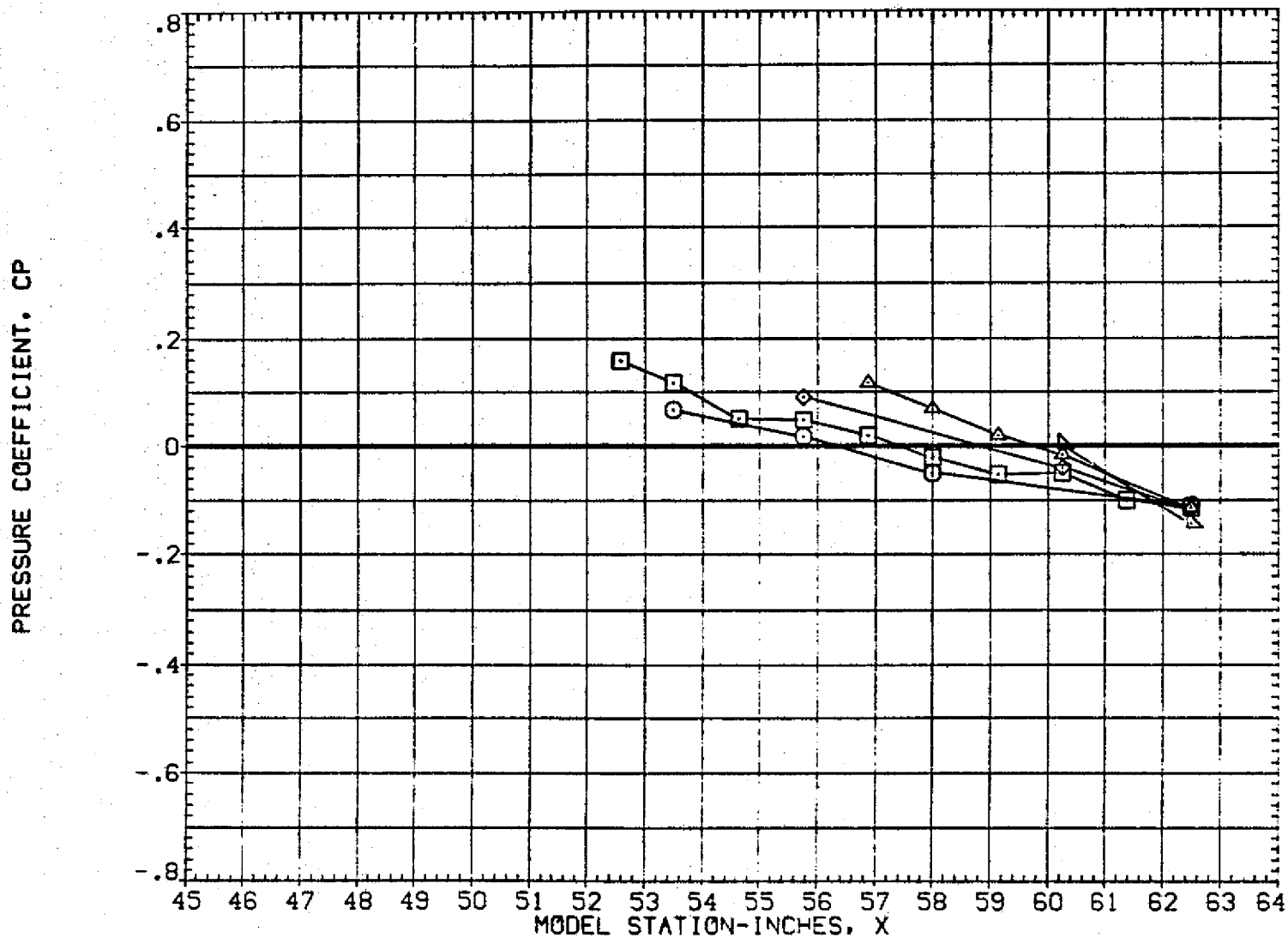


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

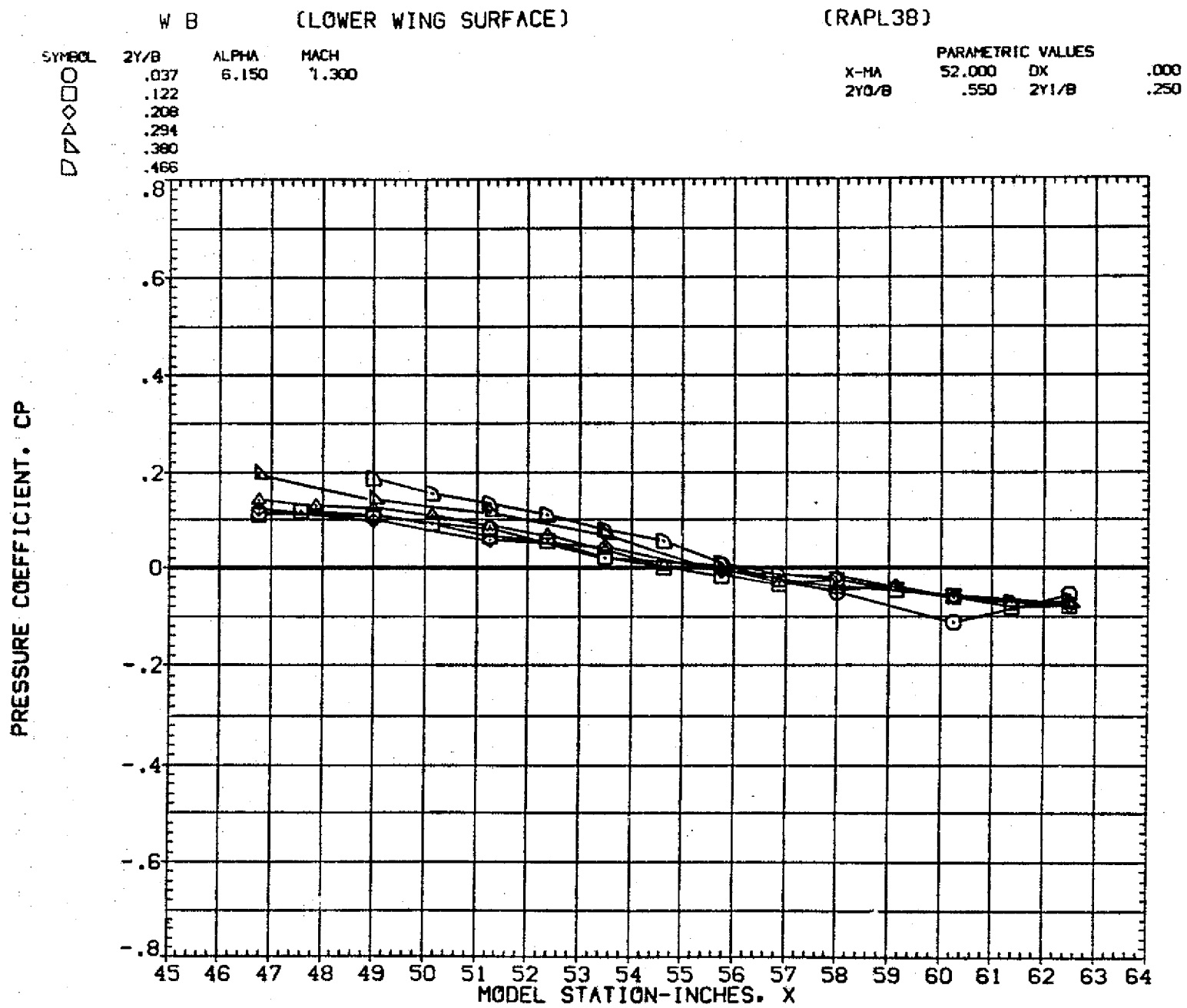


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.150	1.300
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2YO/B	.550	2YI/B	.250

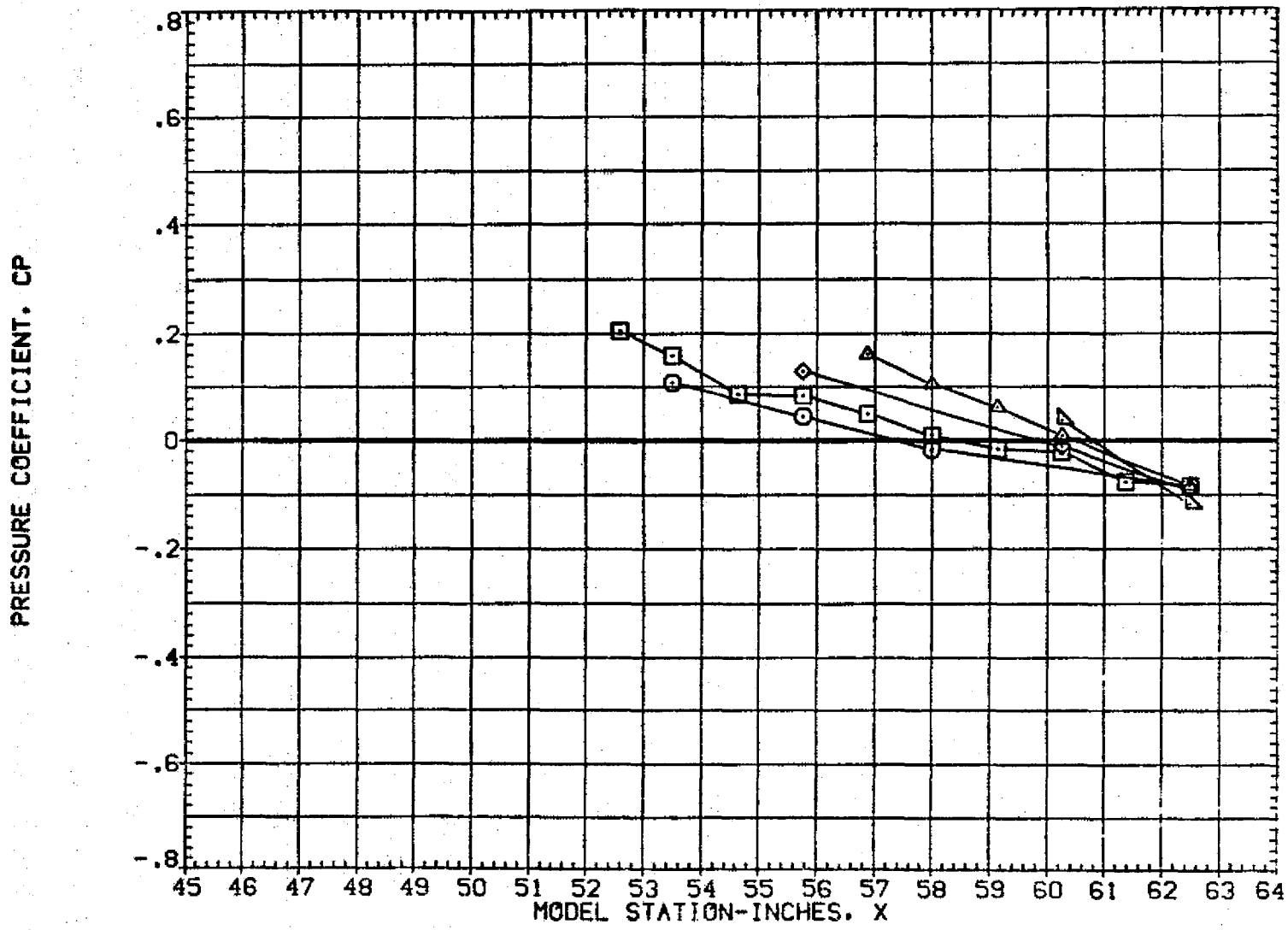


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

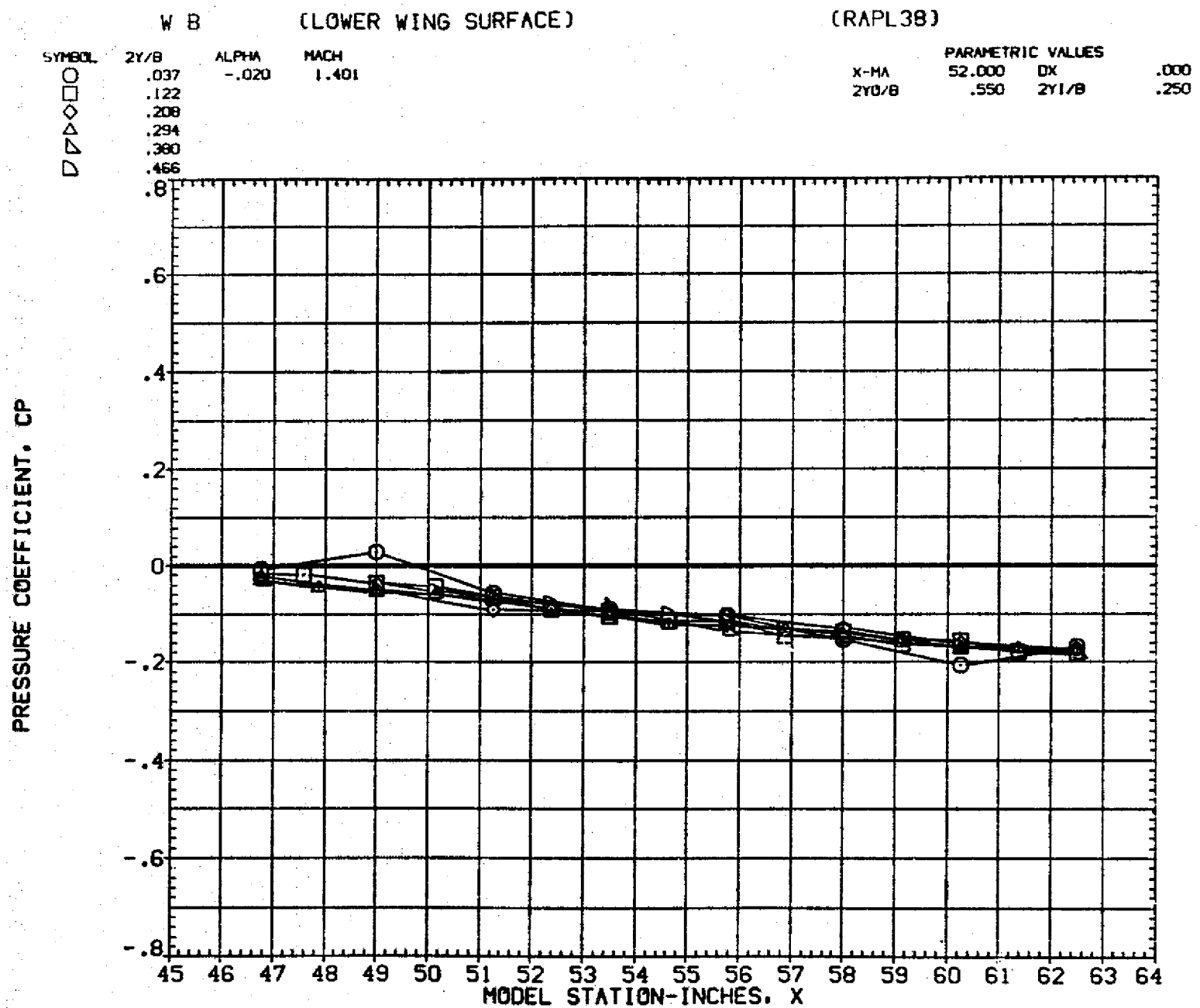


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.020	1.401
□	.637		
◇	.723		
△	.809		
◸	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

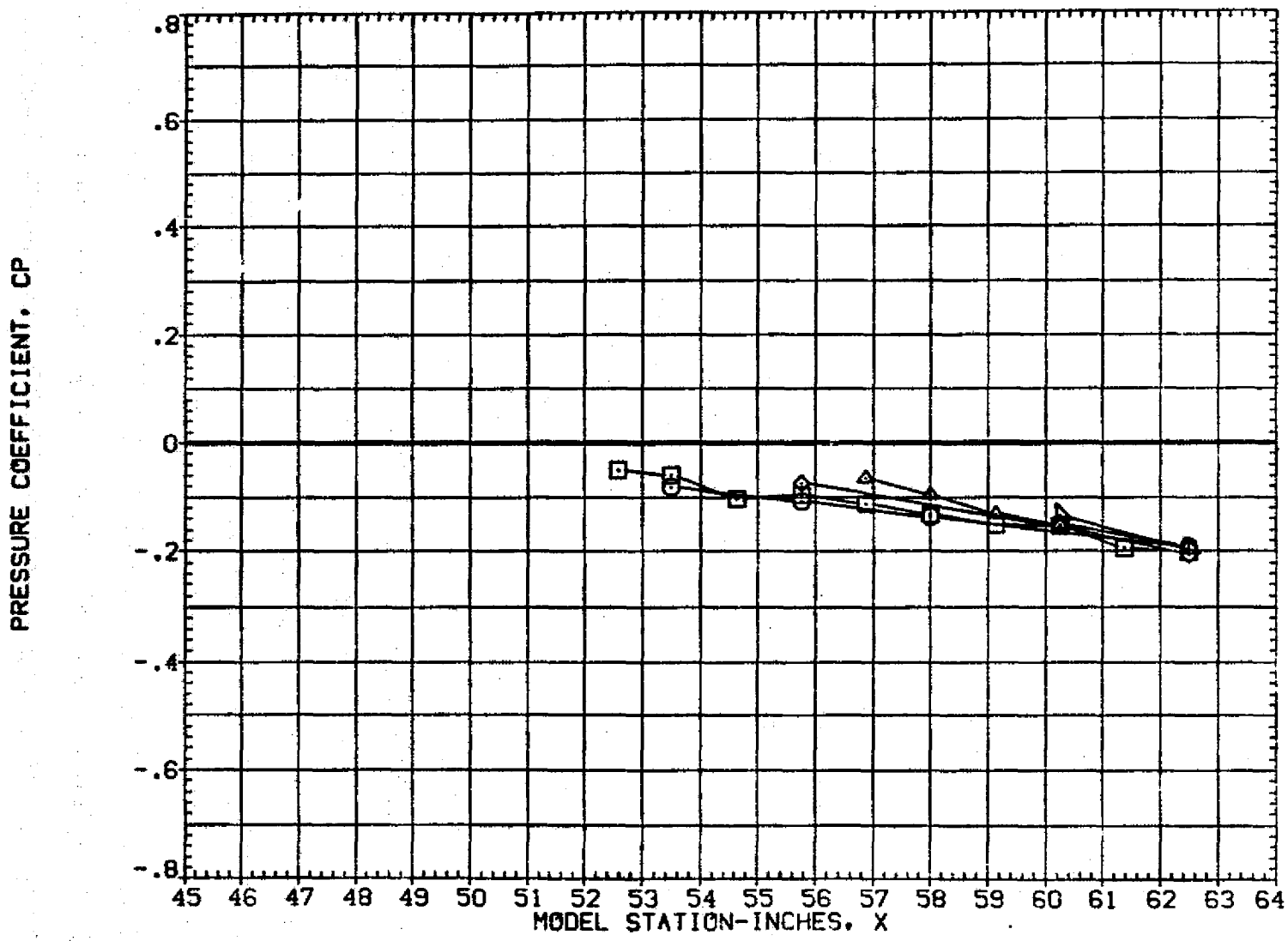


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

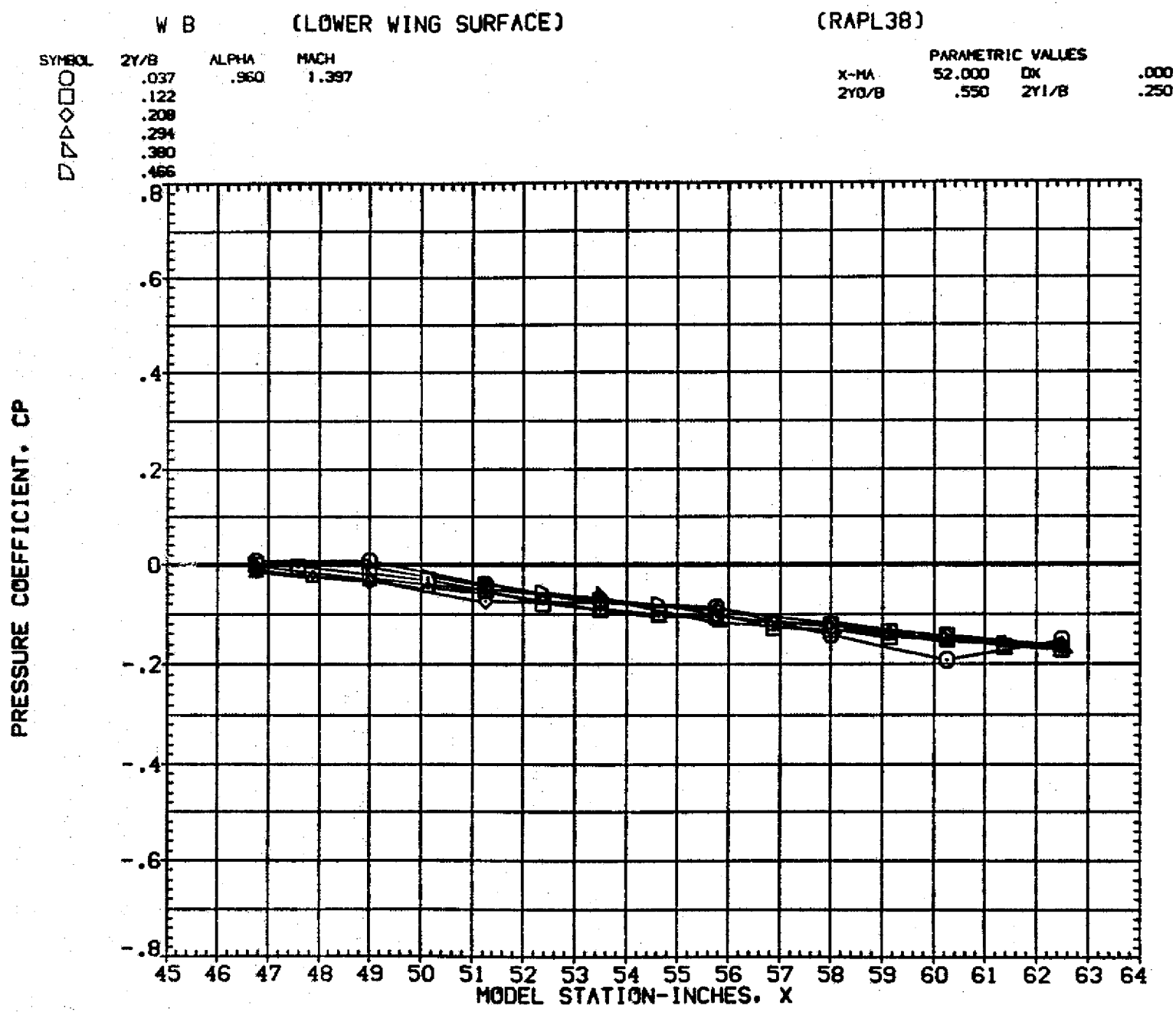


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

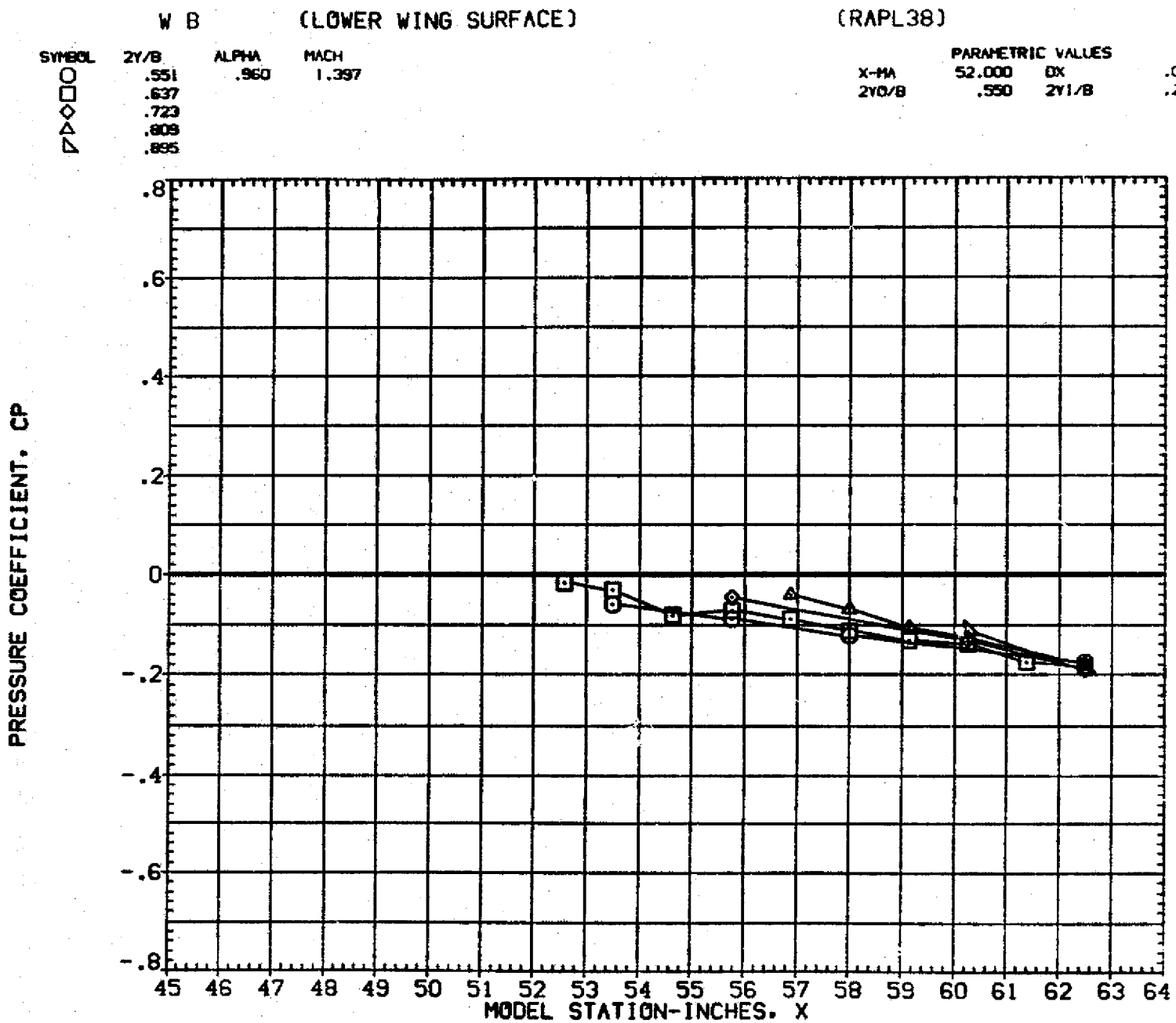


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

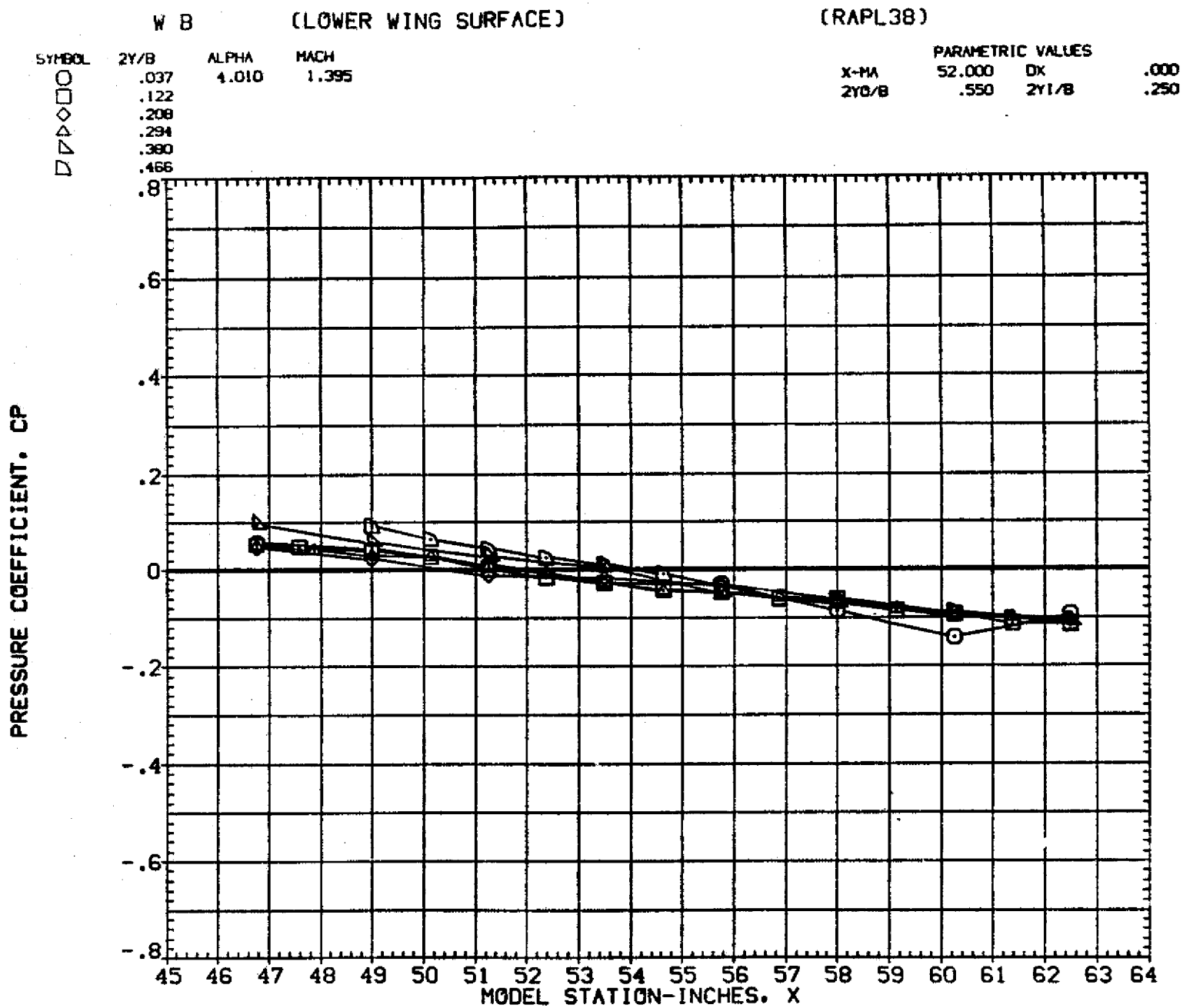


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL3B)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.010	1.395
□	.637		
◇	.723		
△	.809		
◿	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

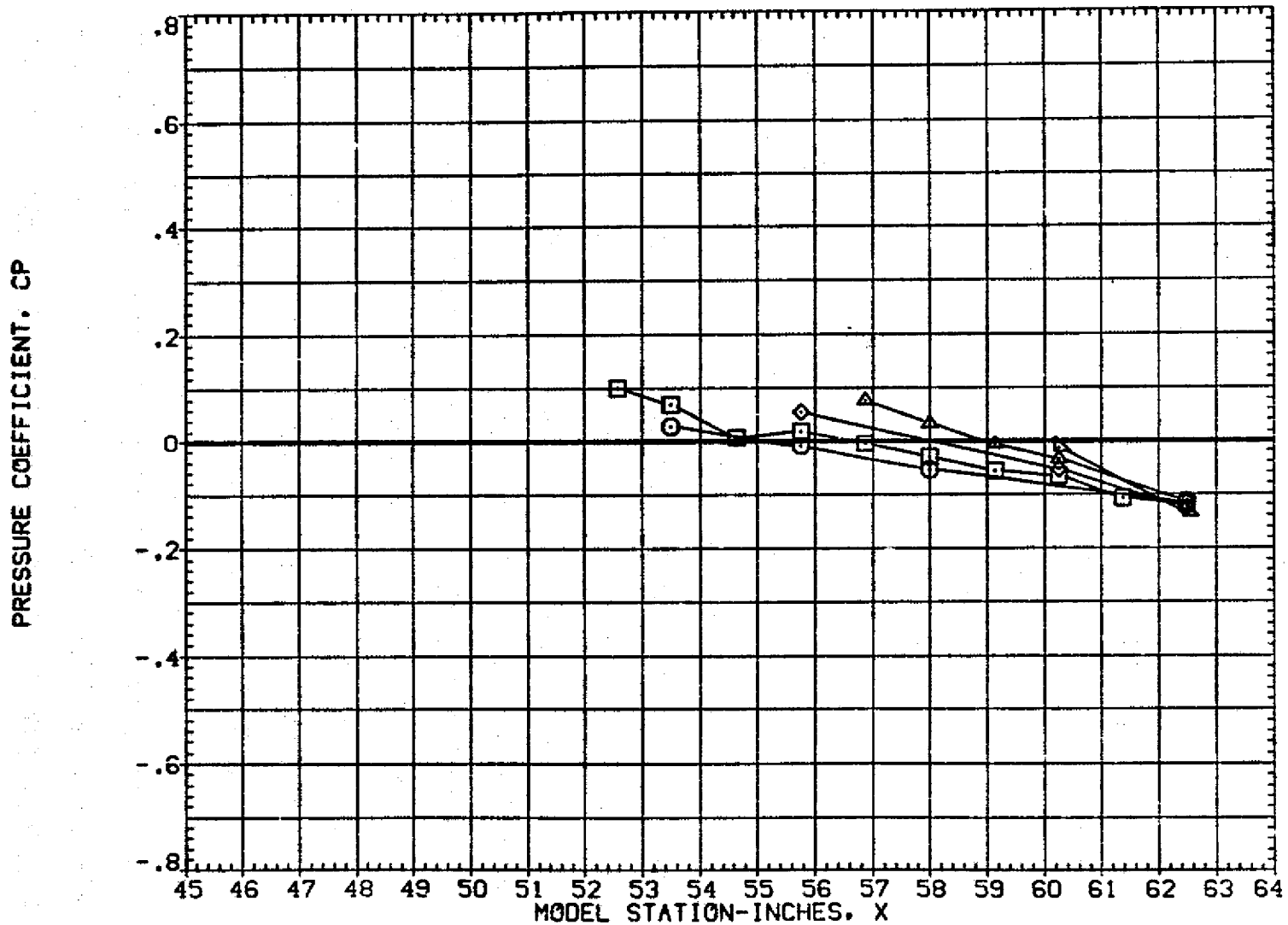


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

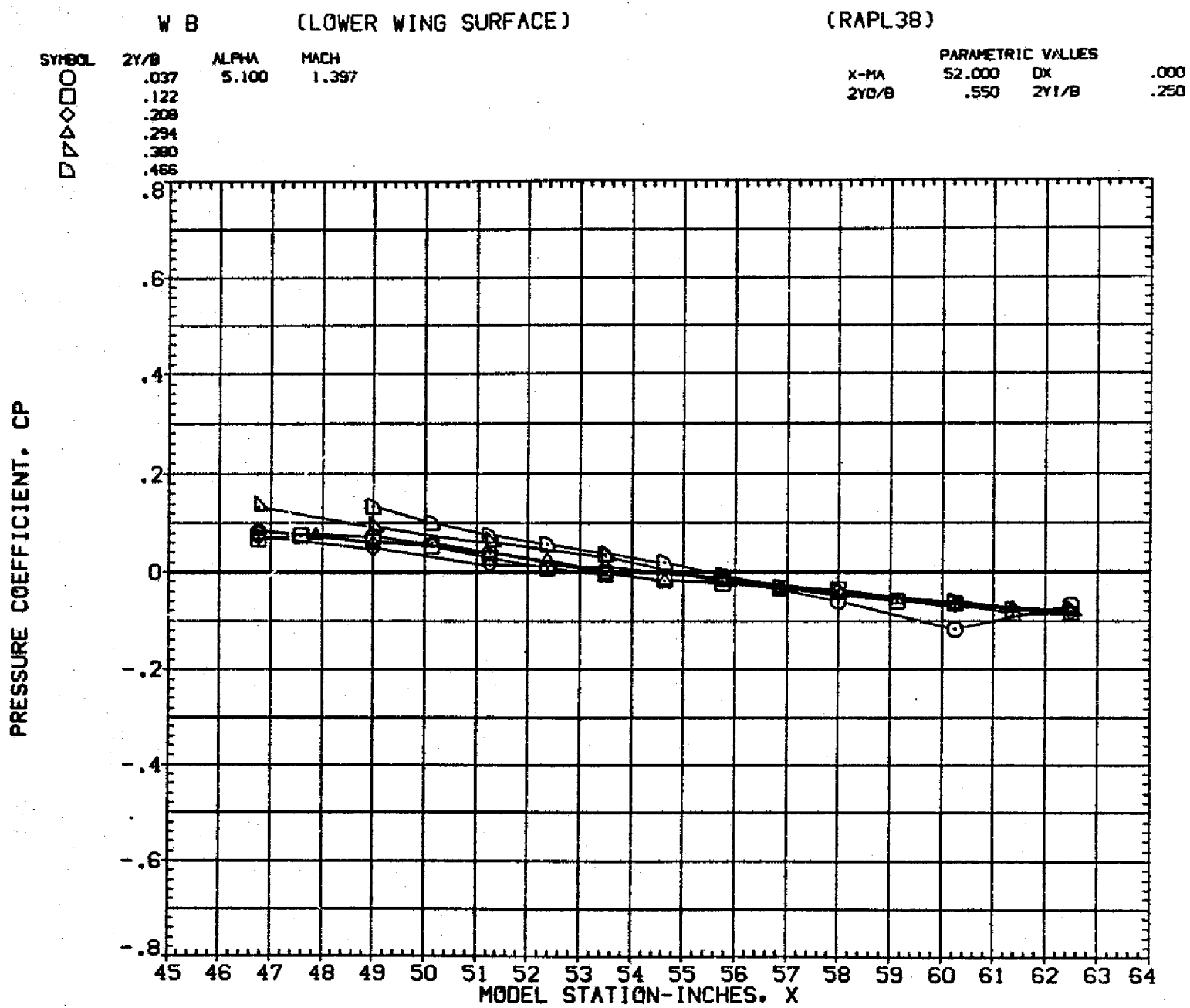


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL38)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.100	1.397
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

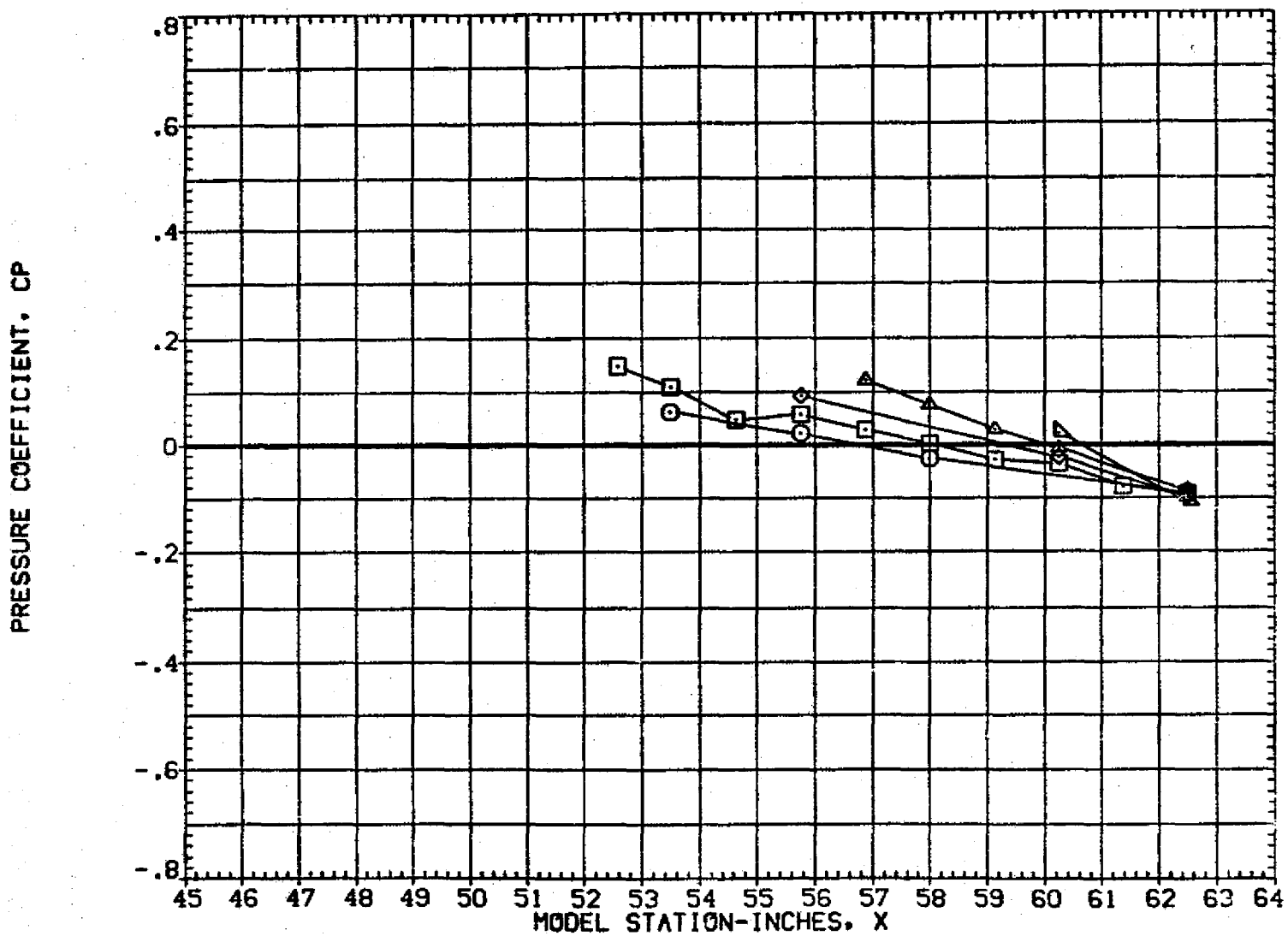


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

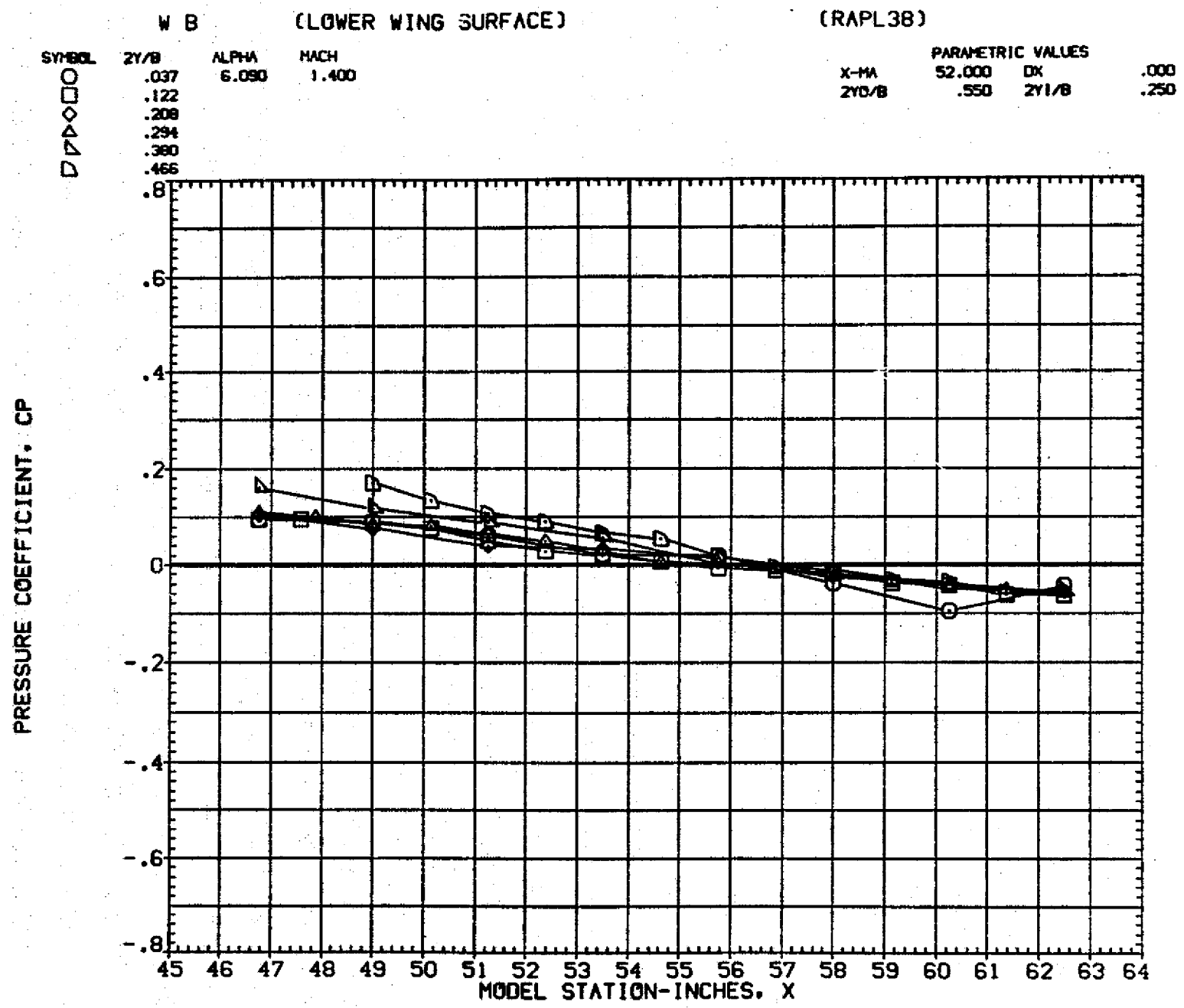


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

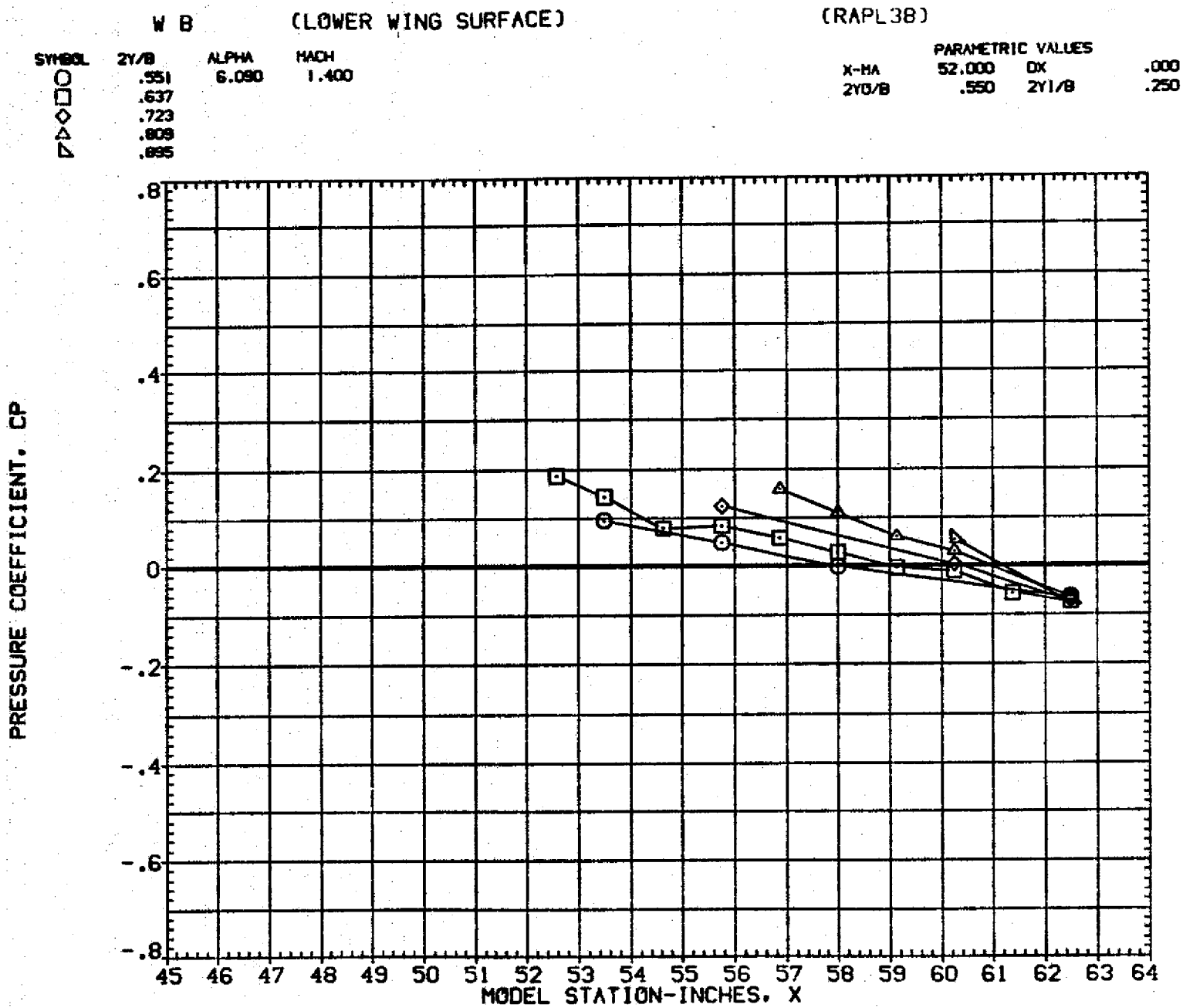


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

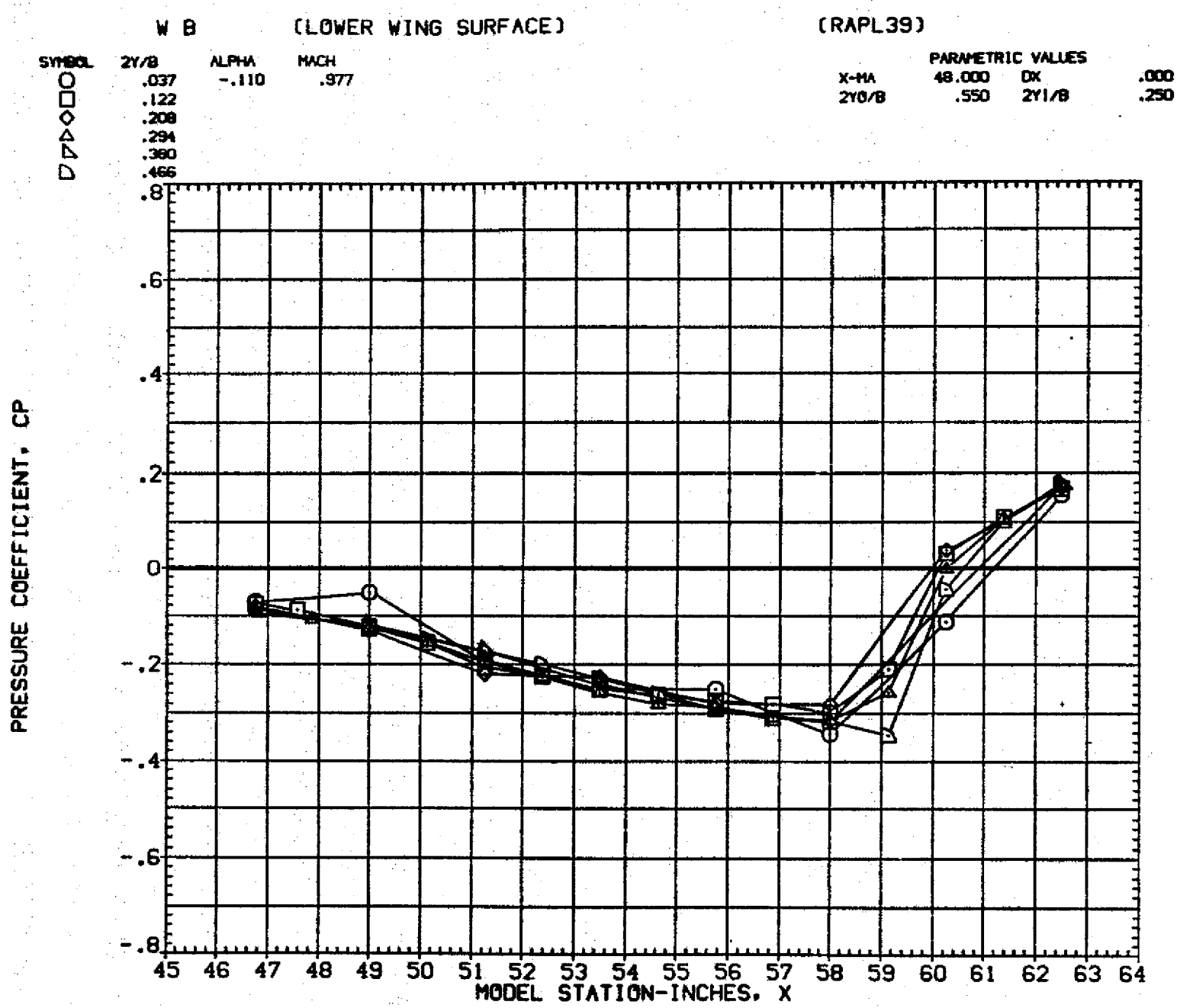


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

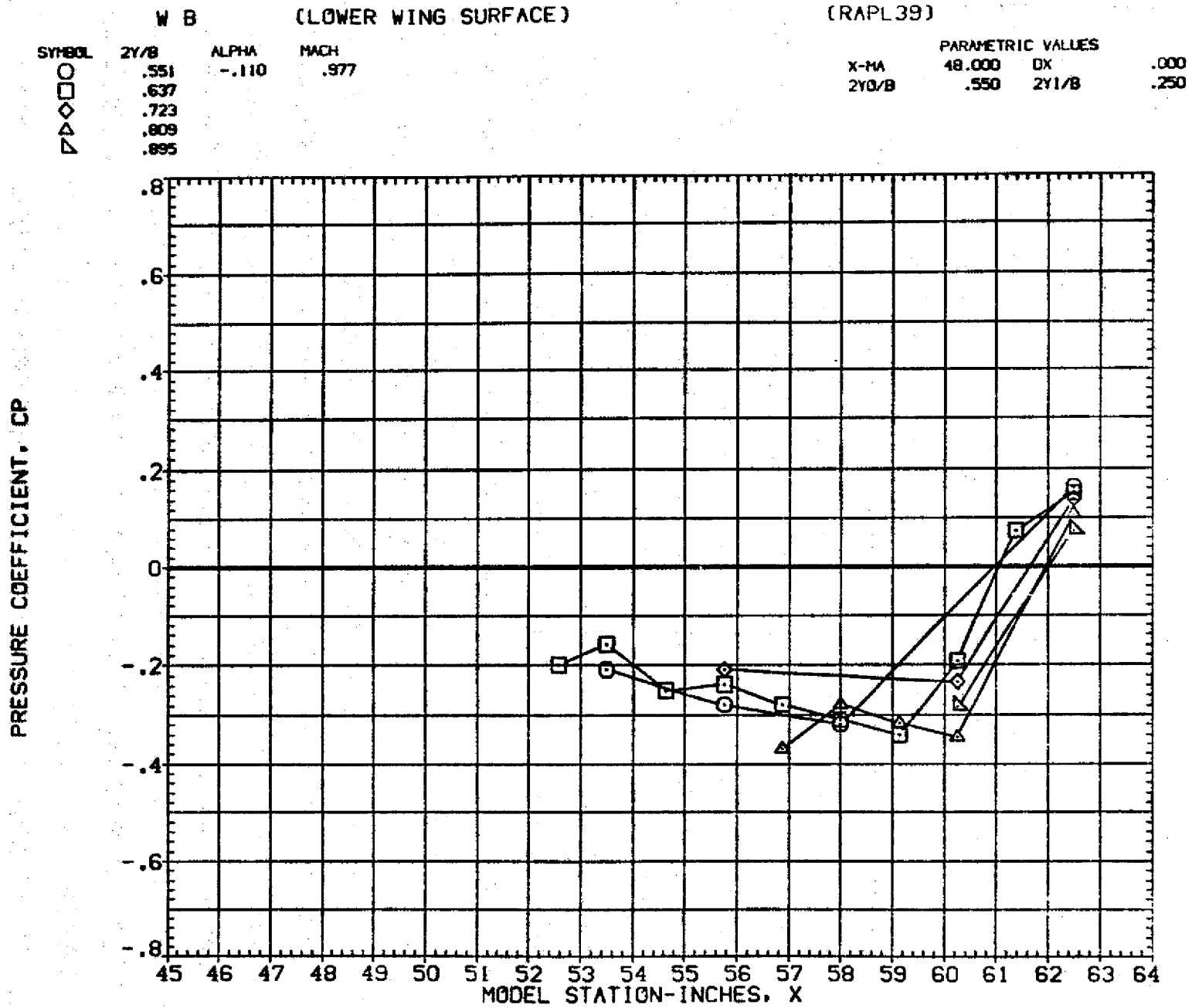


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

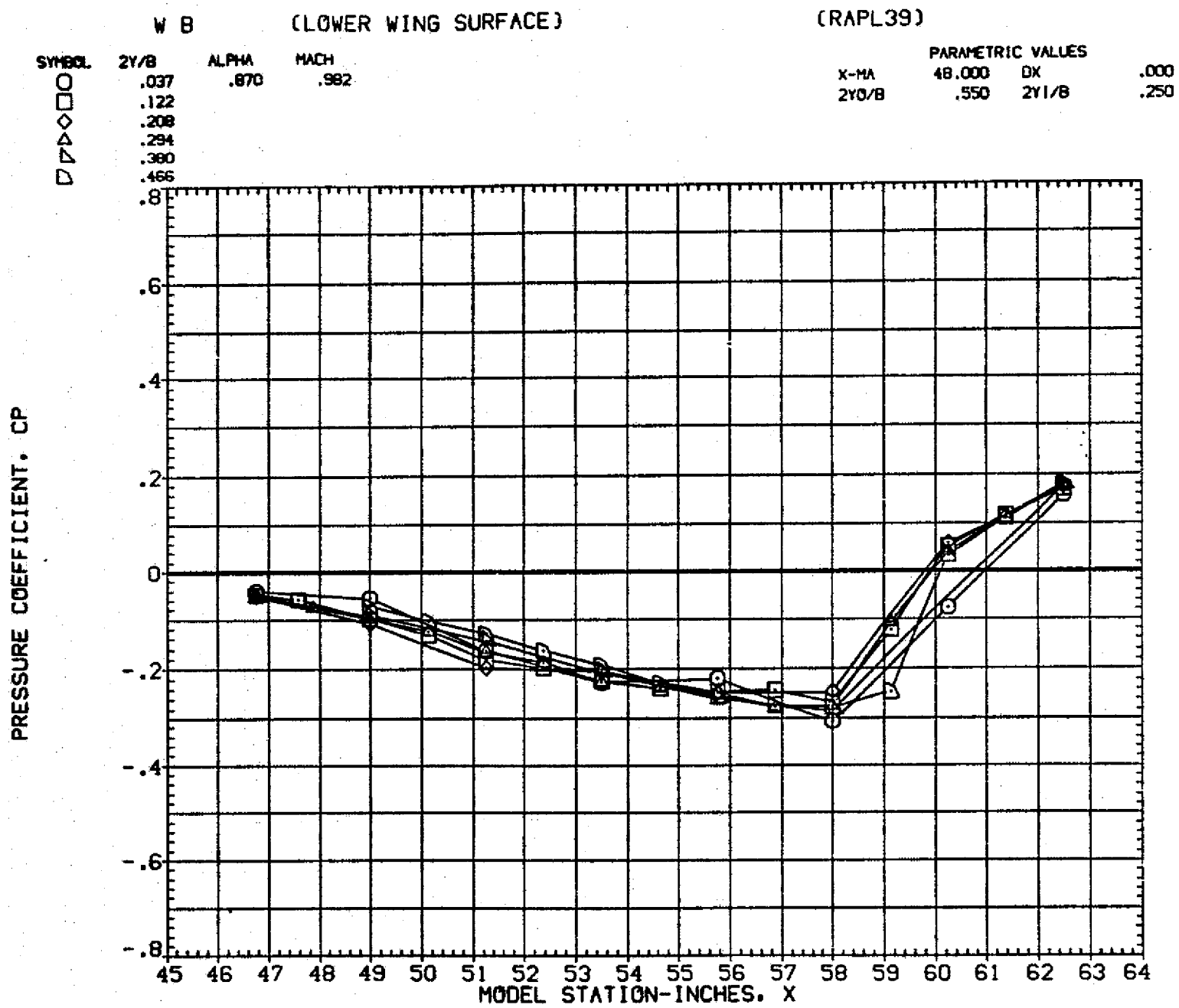


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

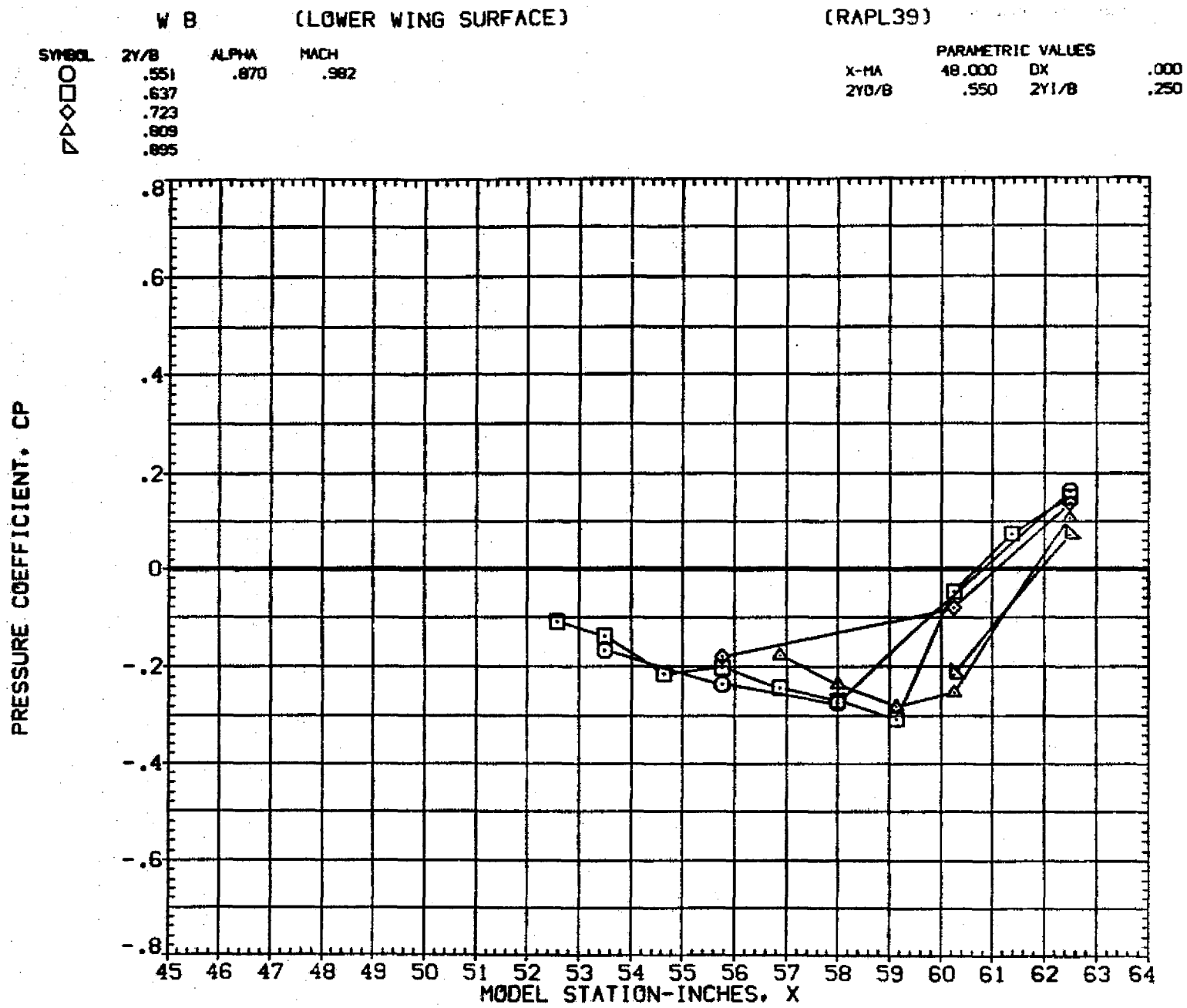


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

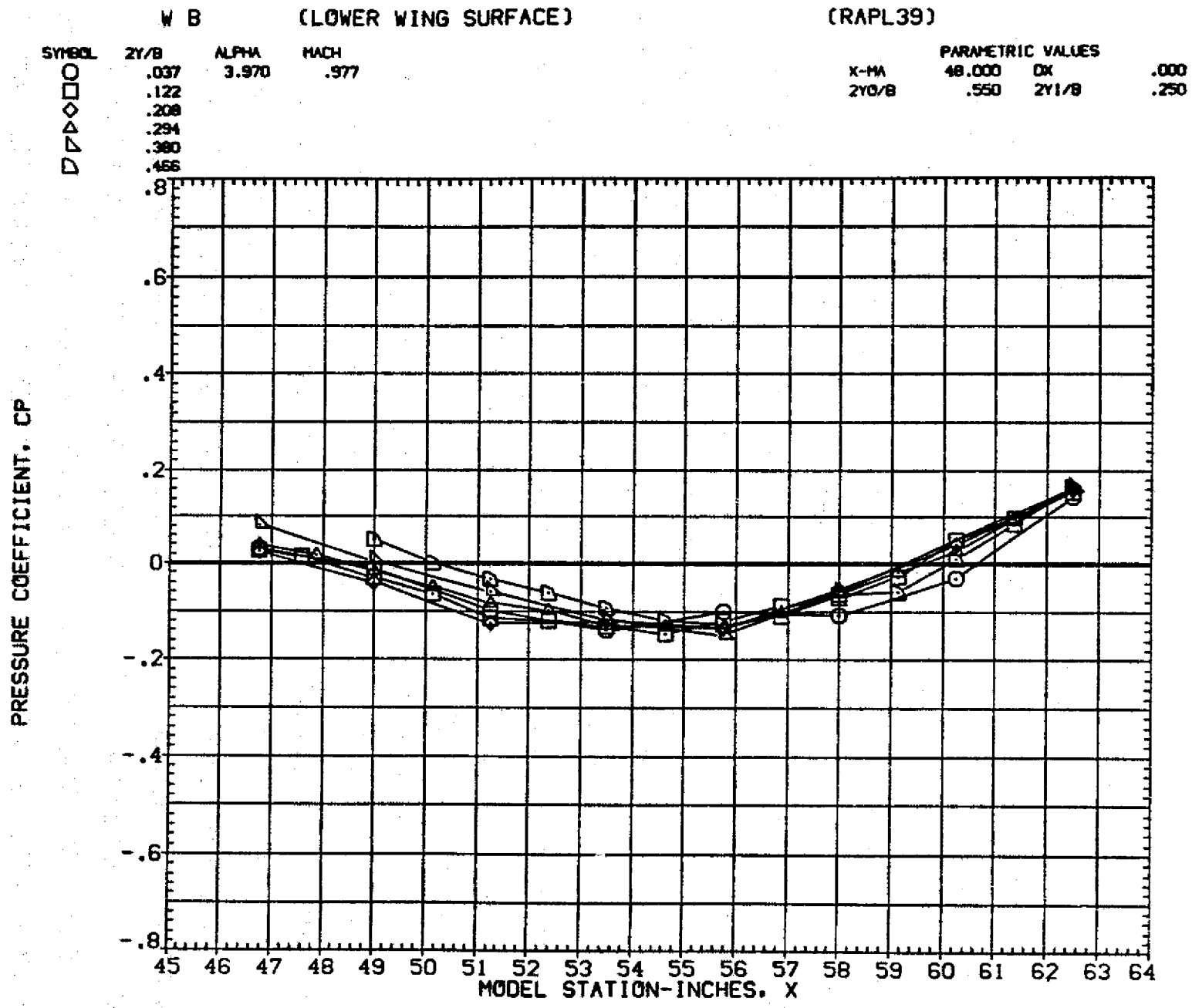


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	3.970	.977
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

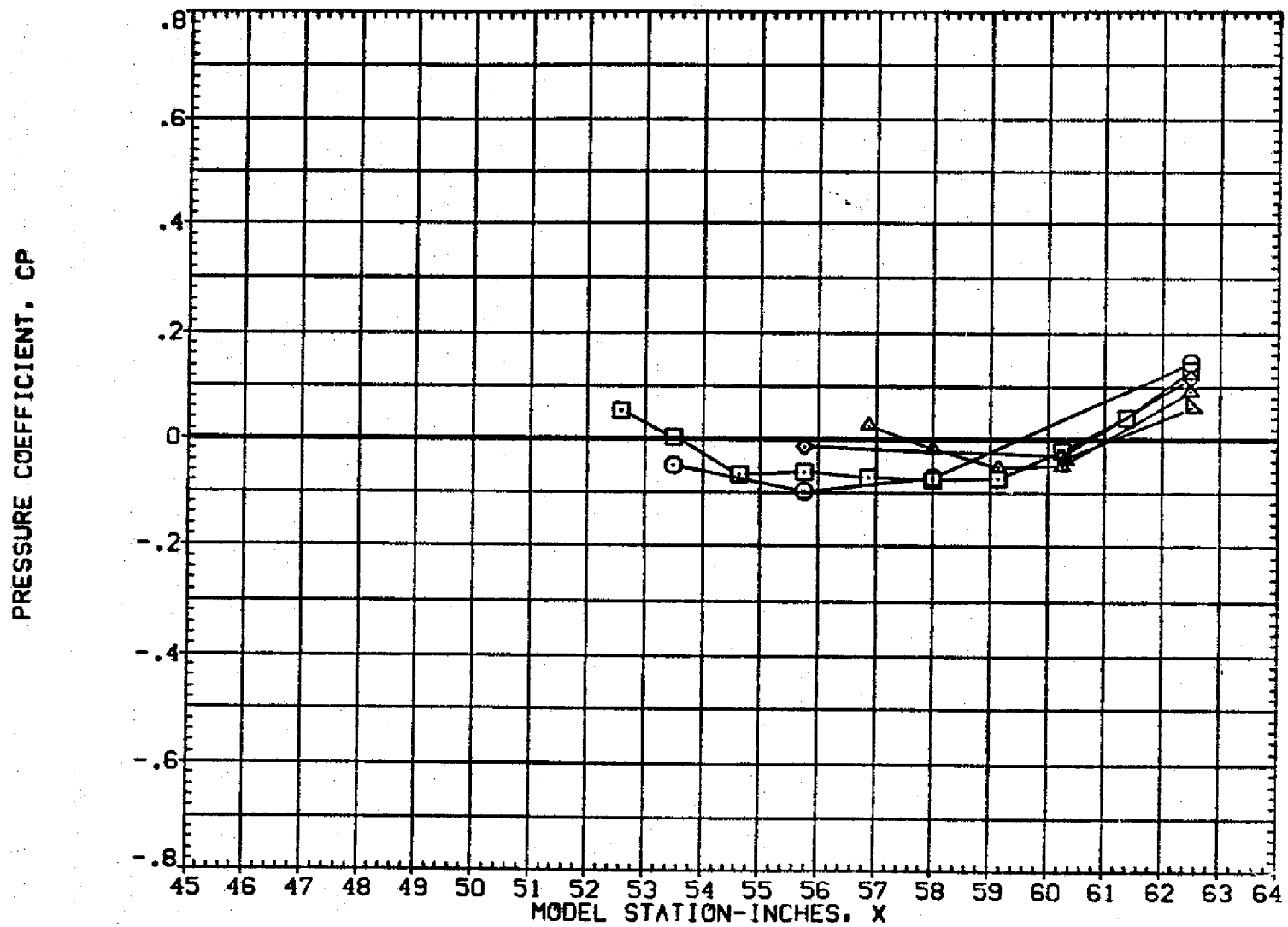


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

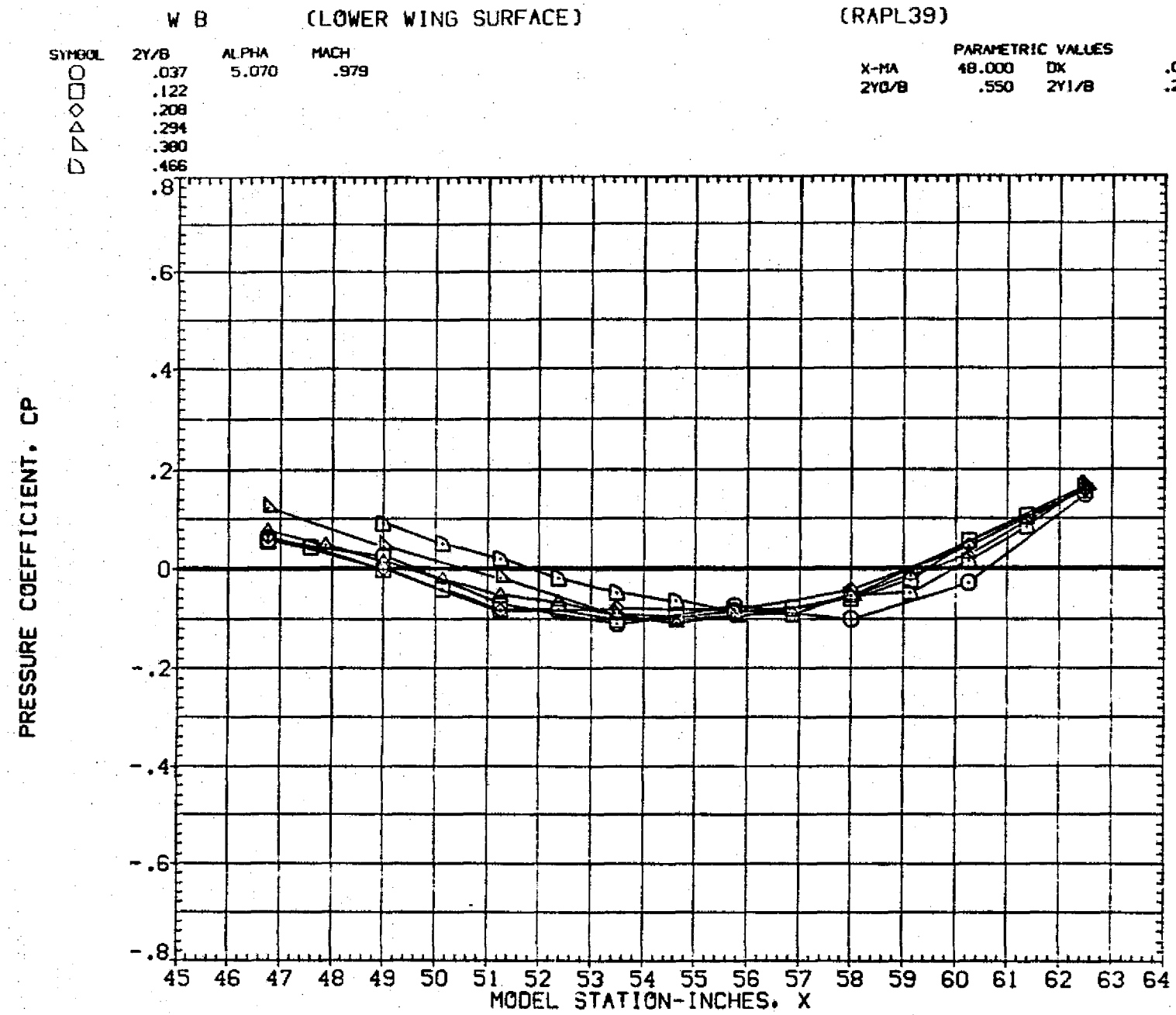


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

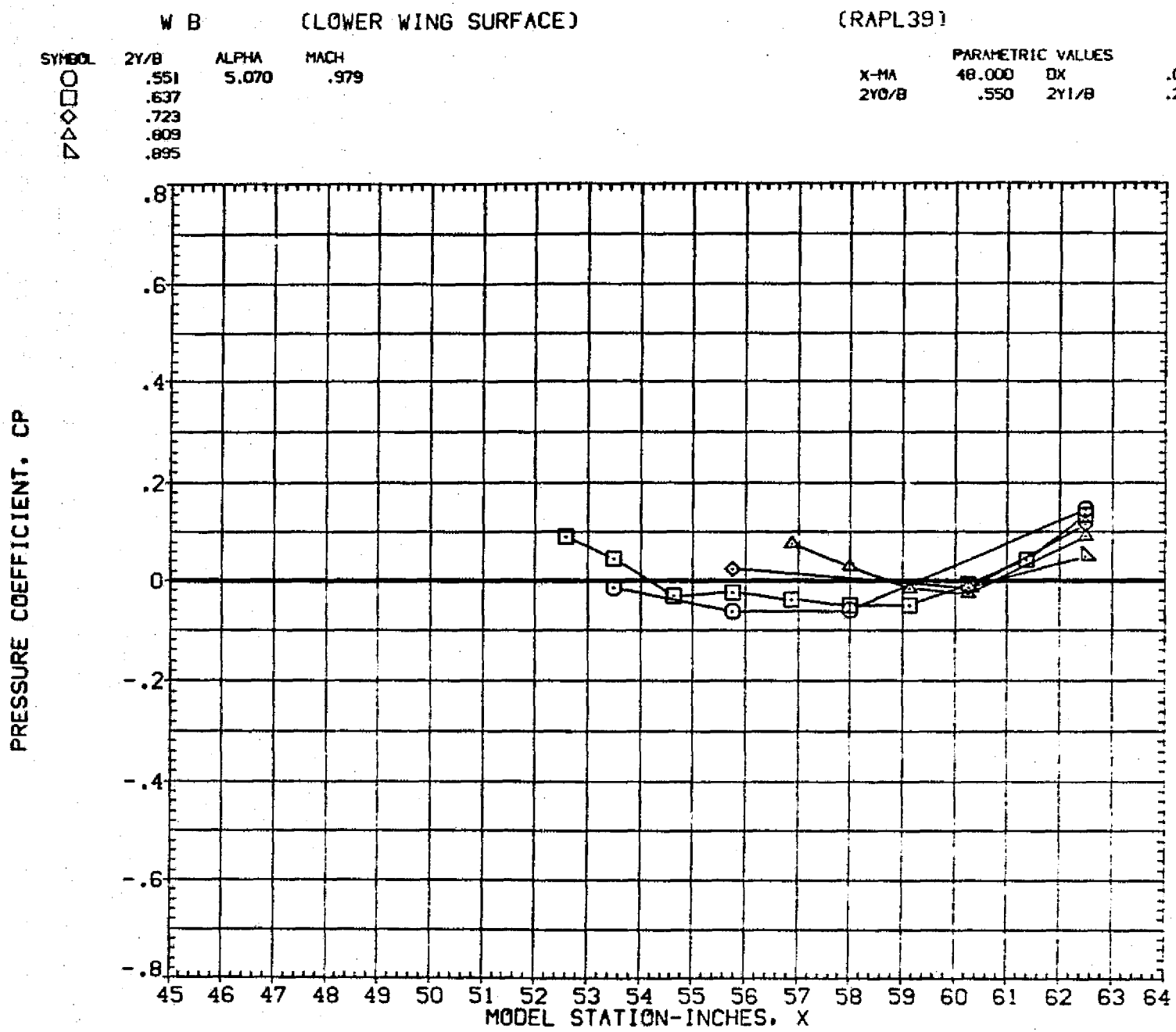


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

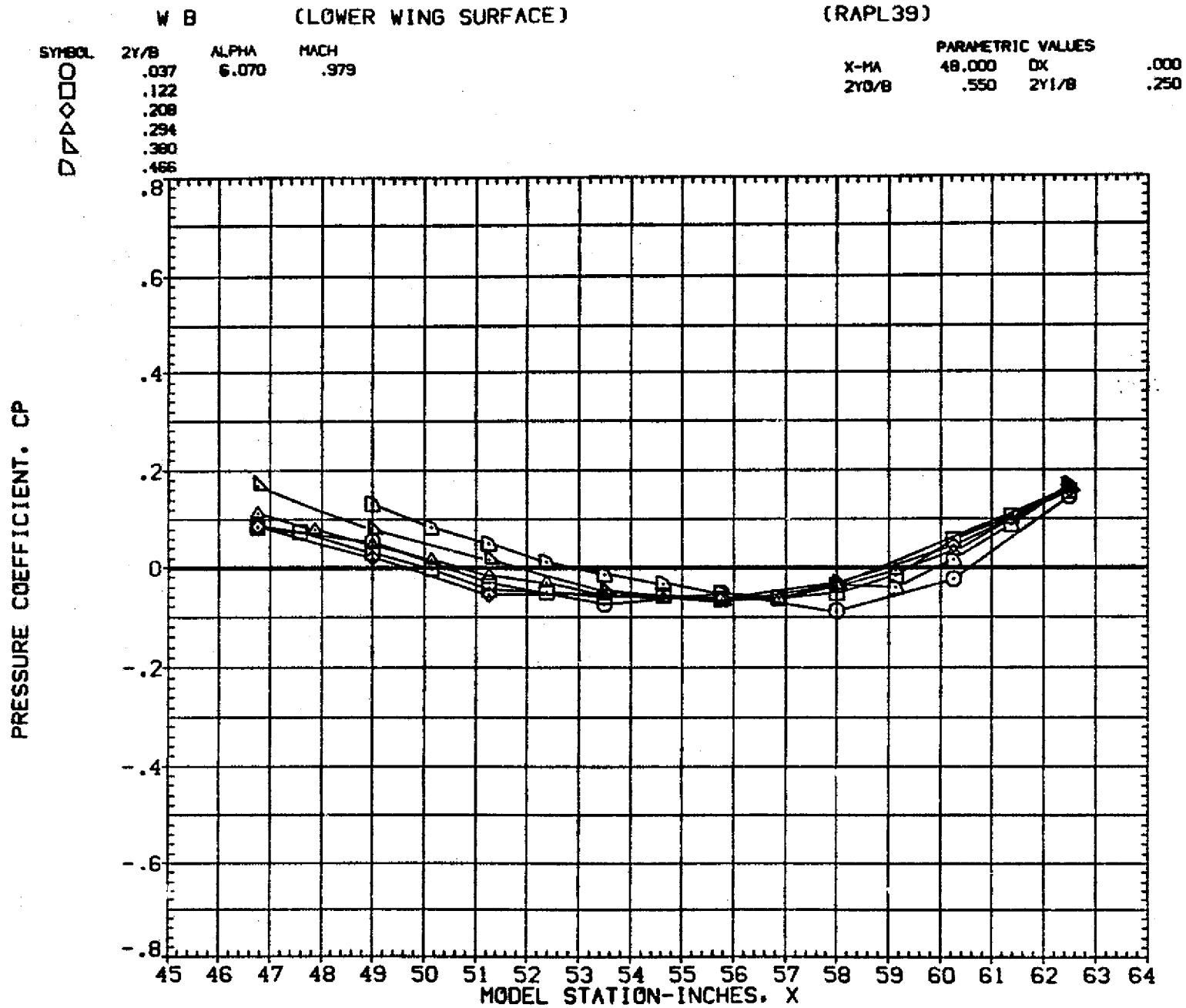


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.070	.979
□	.637		
◇	.723		
△	.808		
◺	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2YO/B	.550	2YI/B	.250

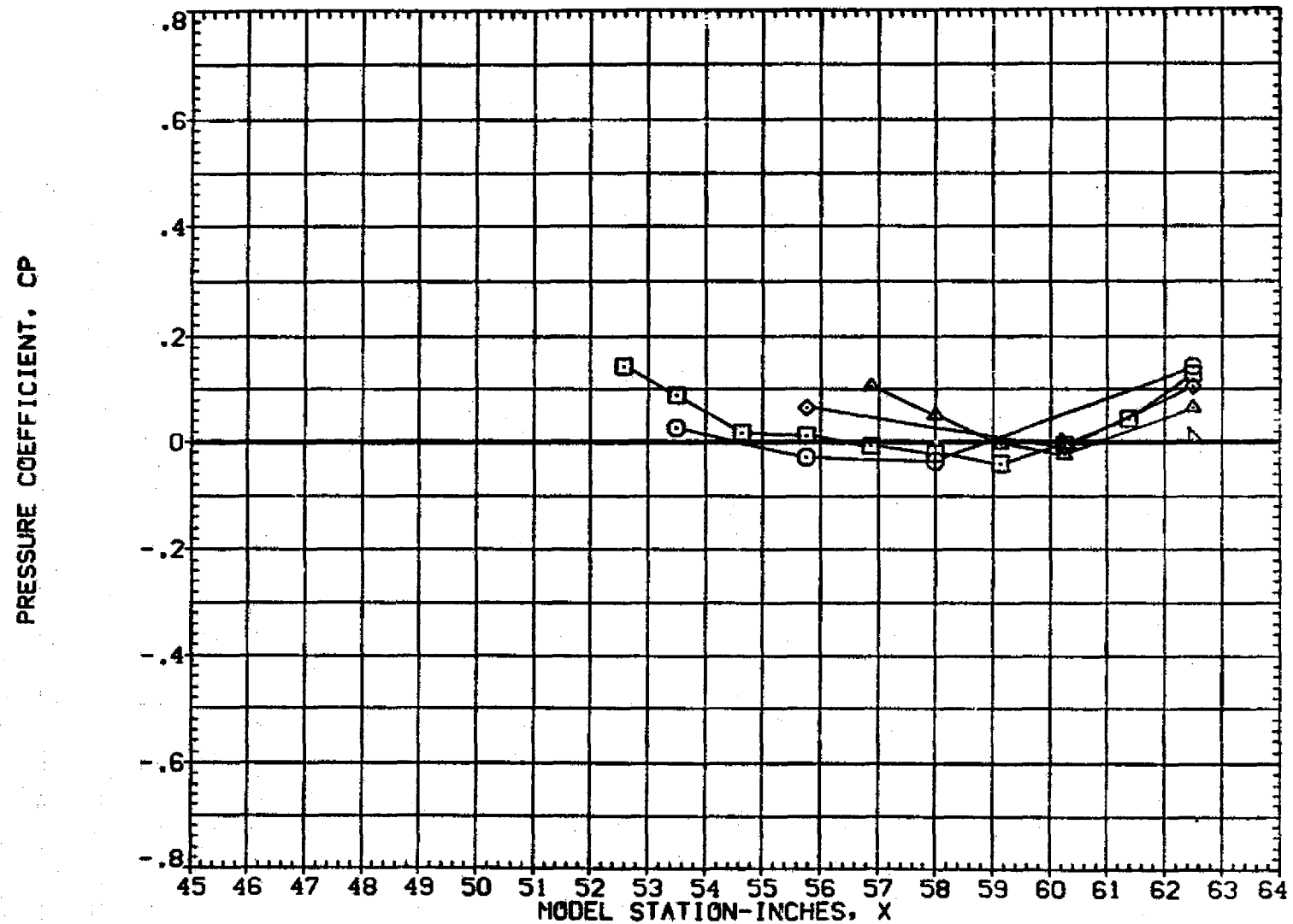


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

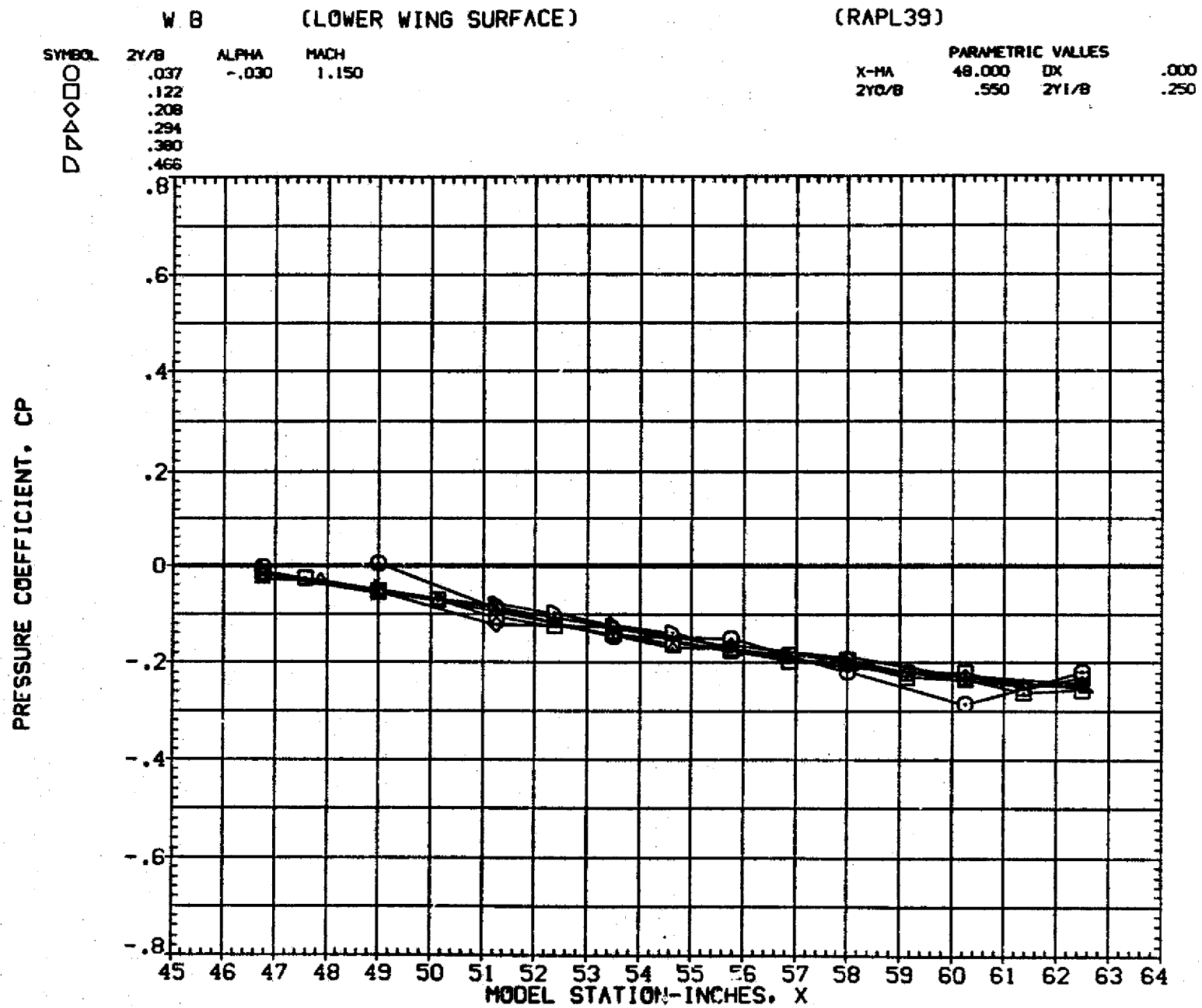


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.030	1.150
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

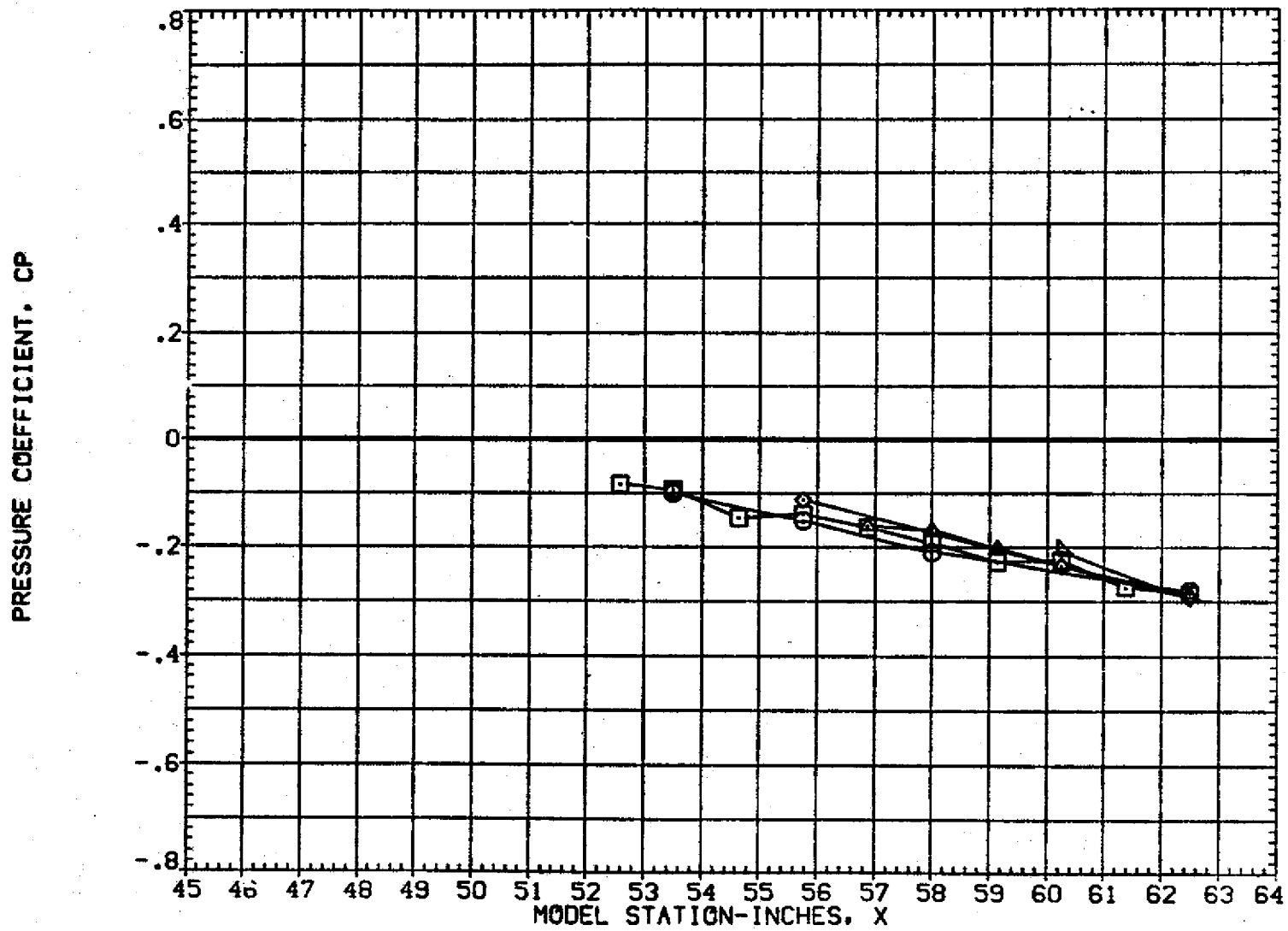


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

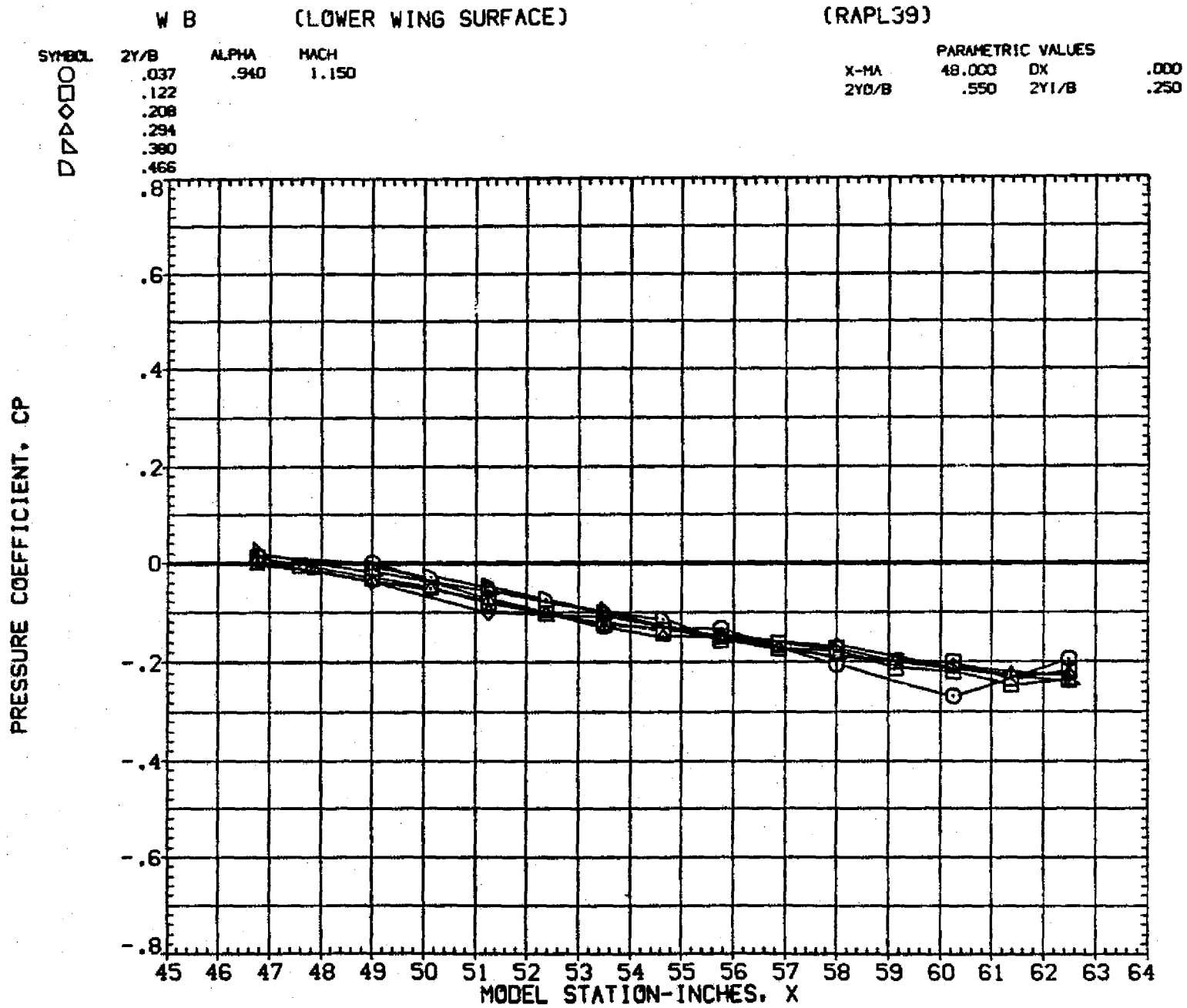


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.940	1.150
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

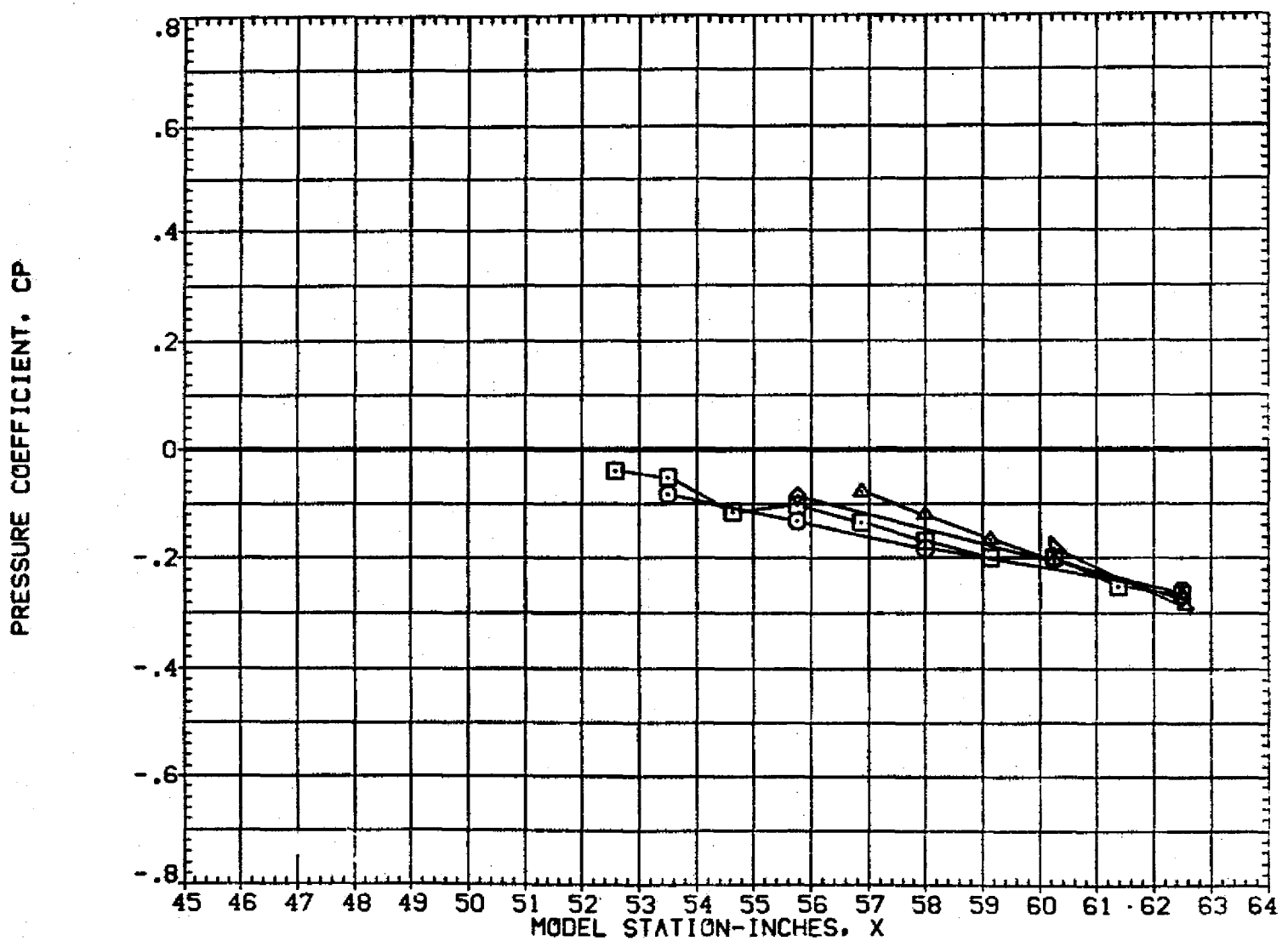


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

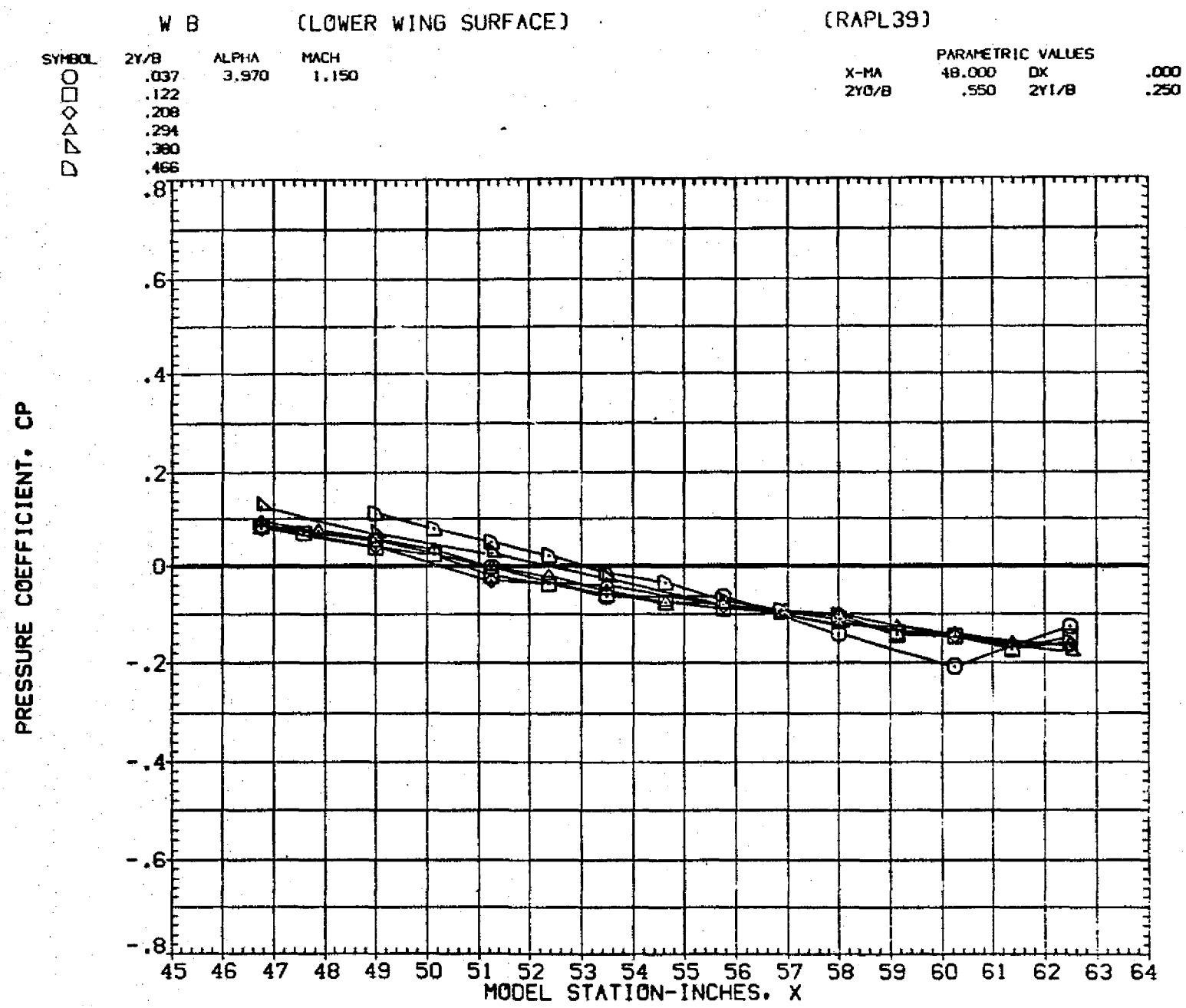


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	3.970	1.150
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

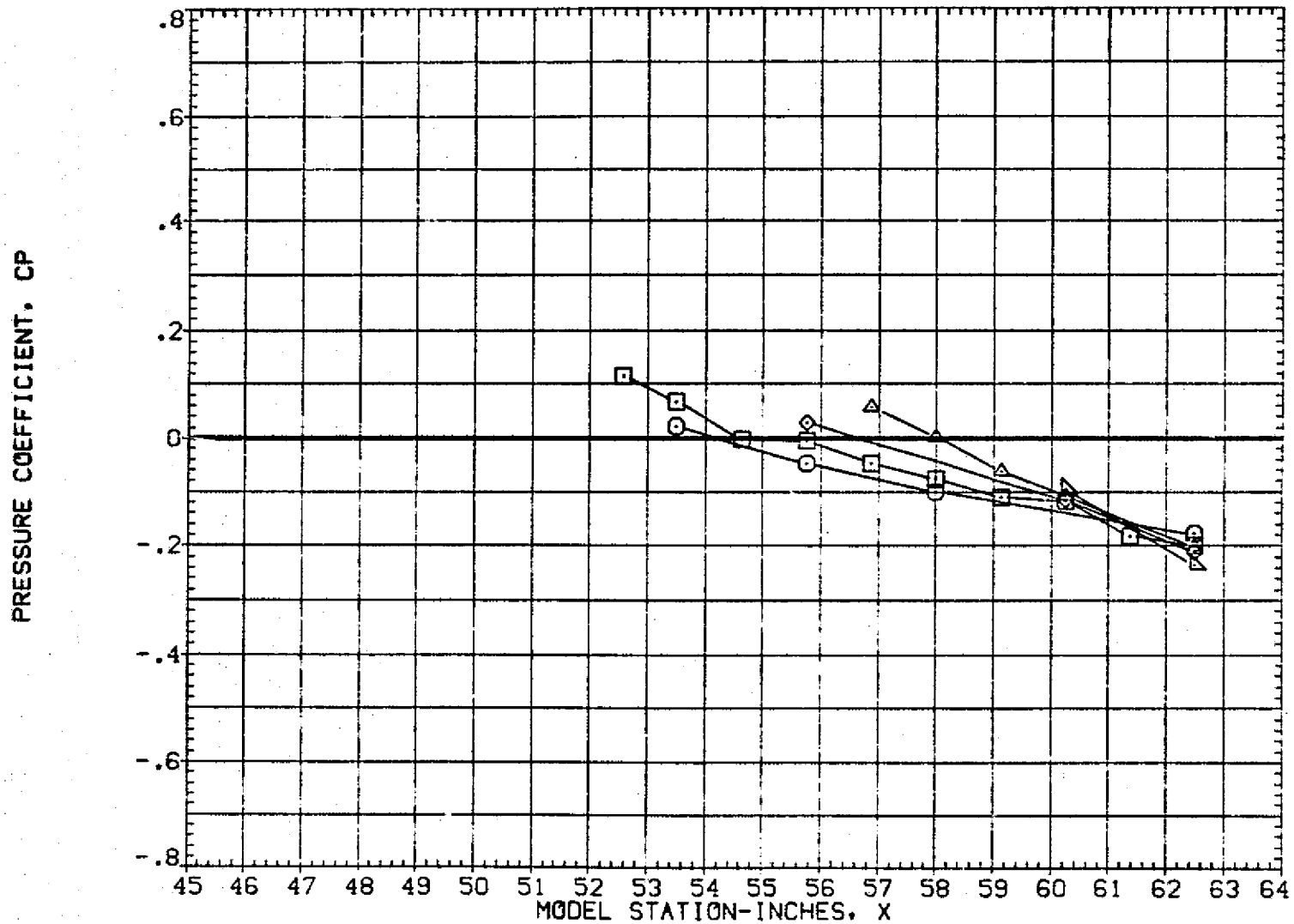


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

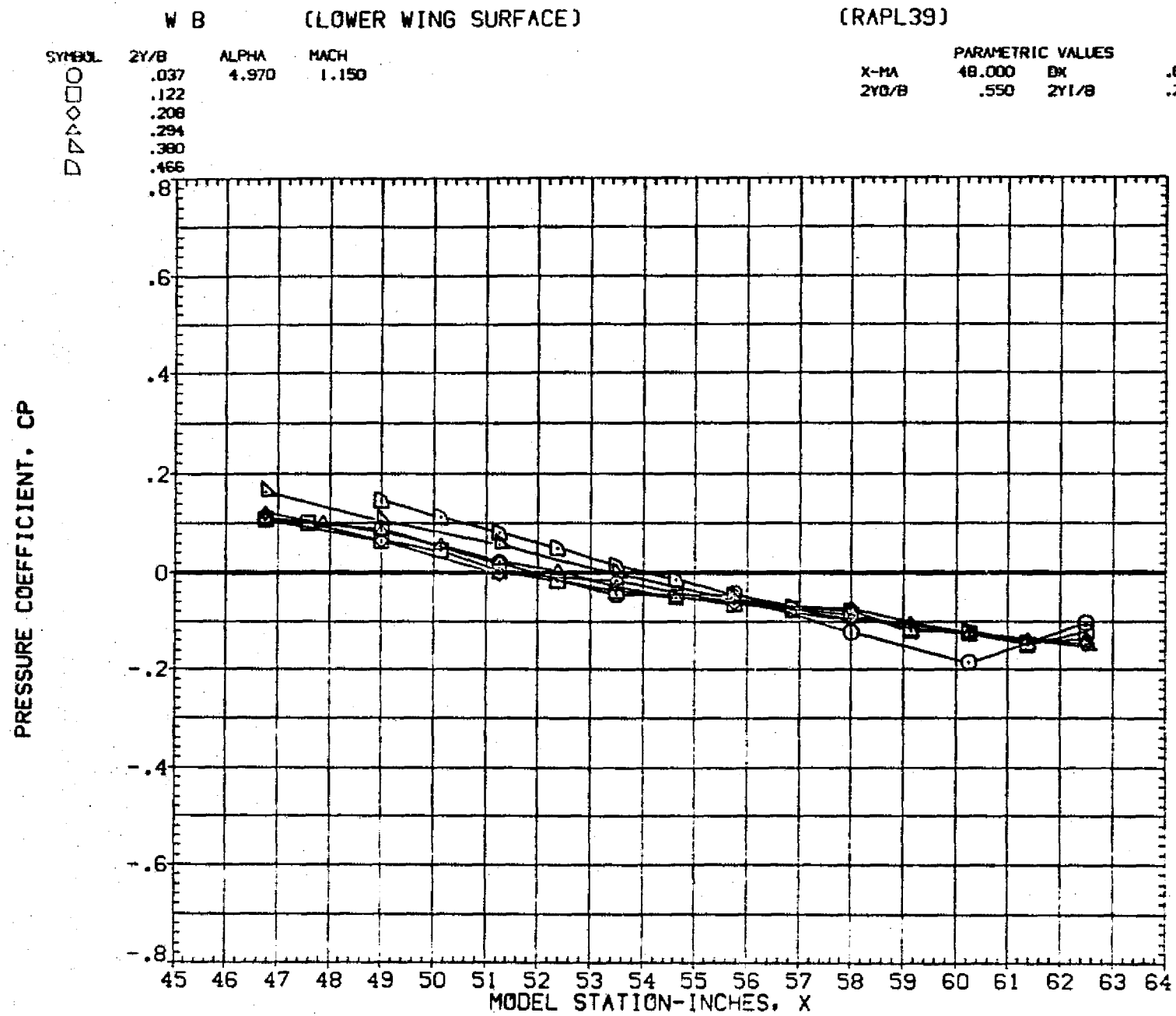


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.970	1.150
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

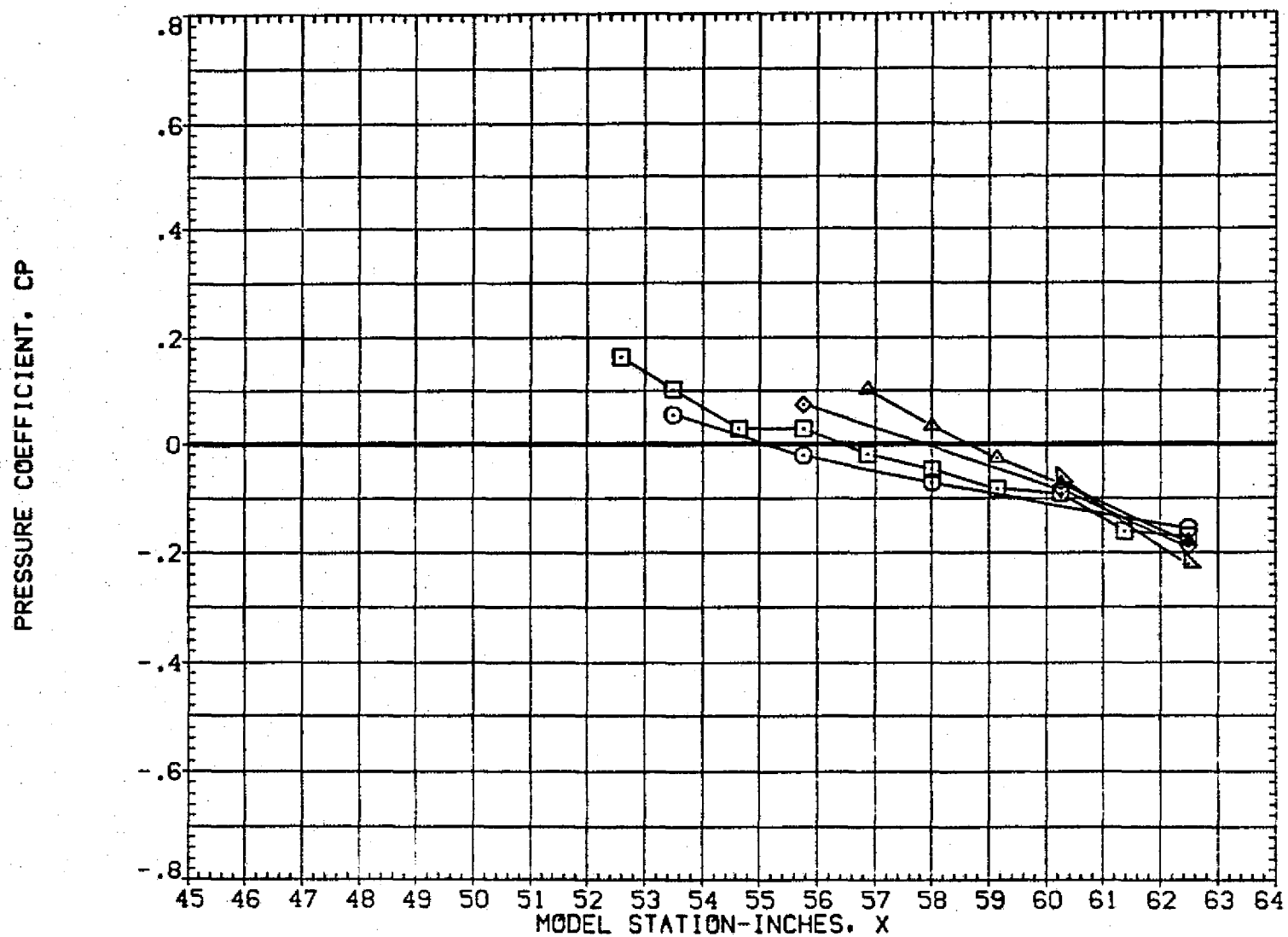


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

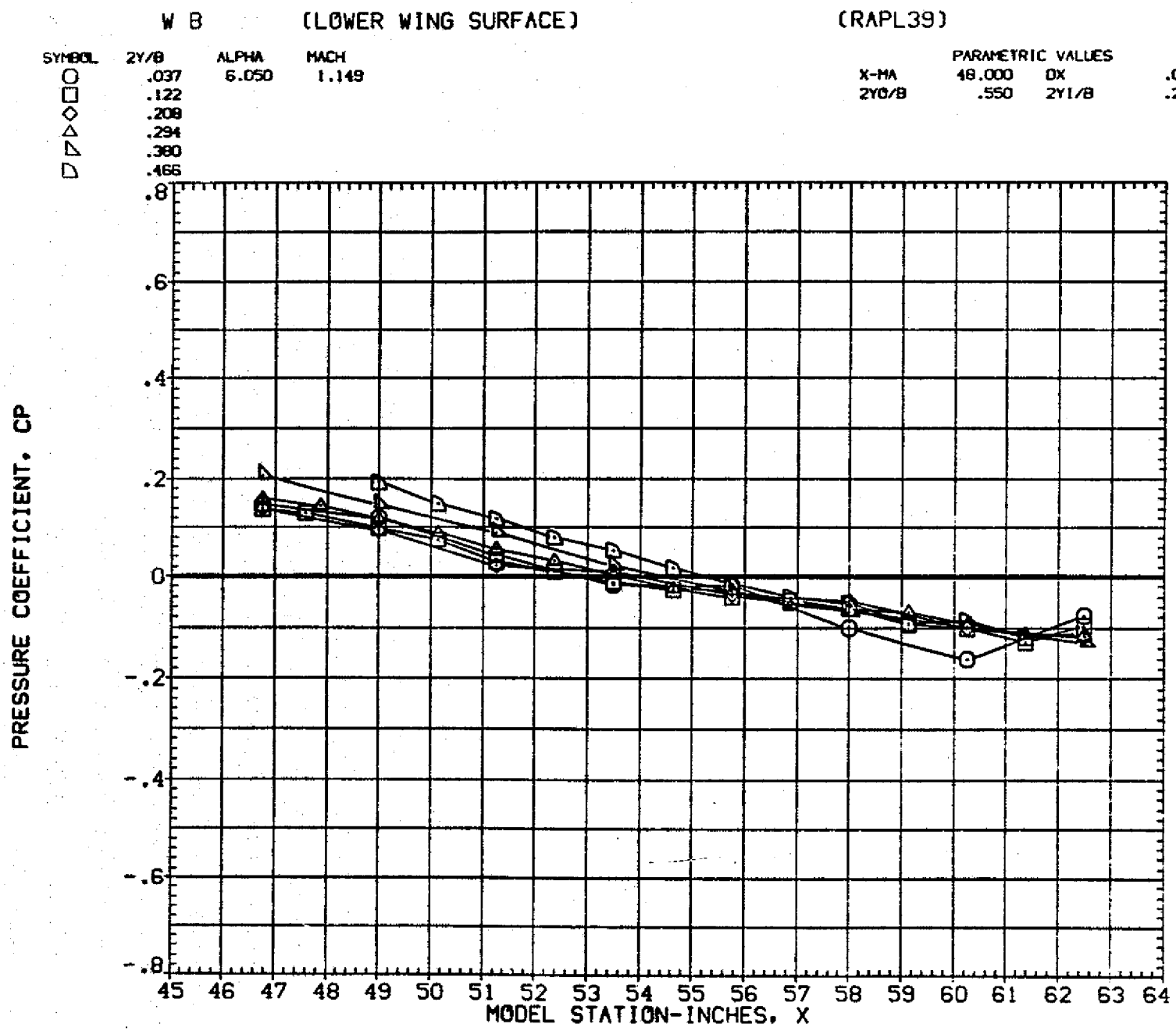


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.050	1.149
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

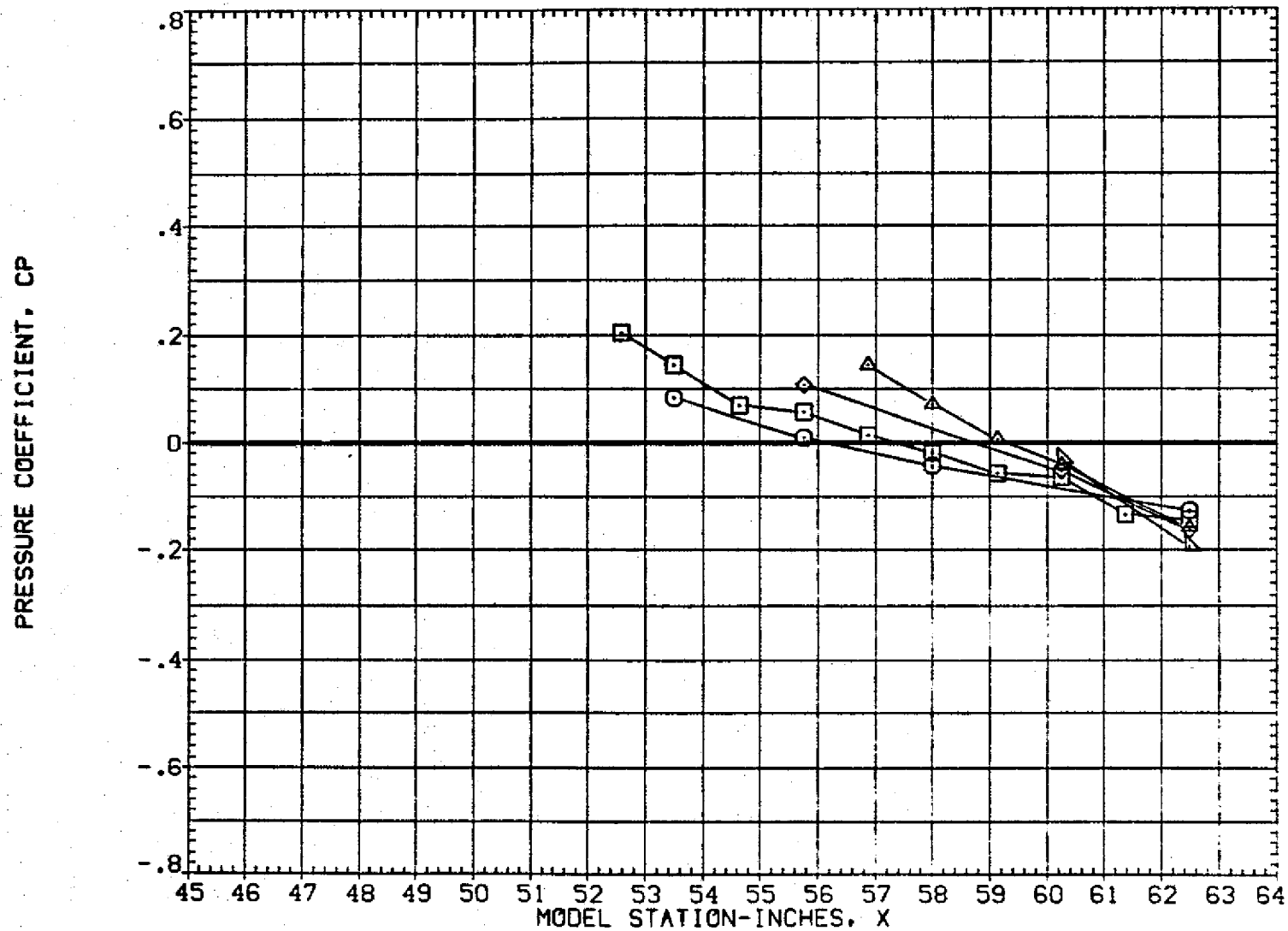


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

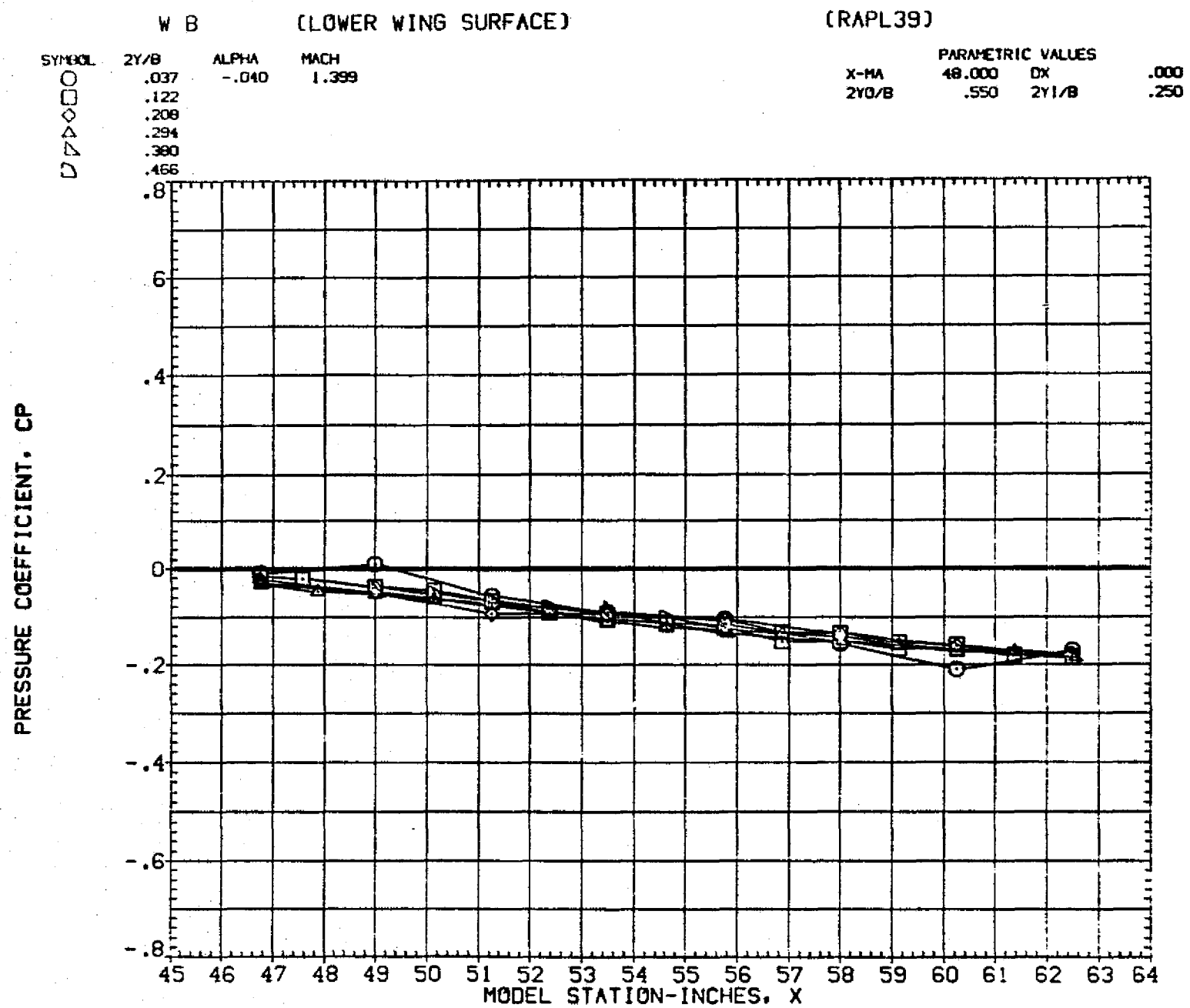


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.040	1.399
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

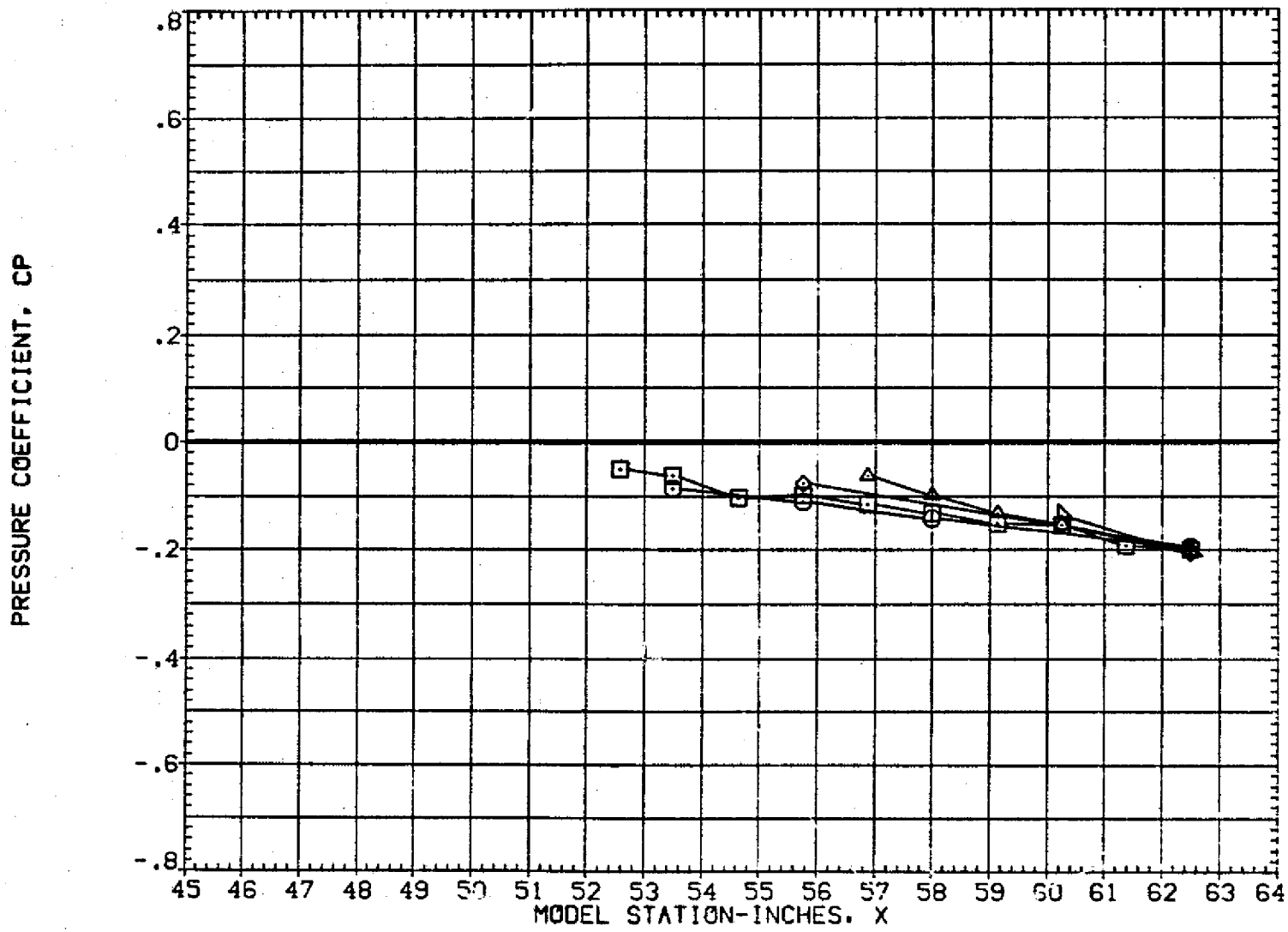


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

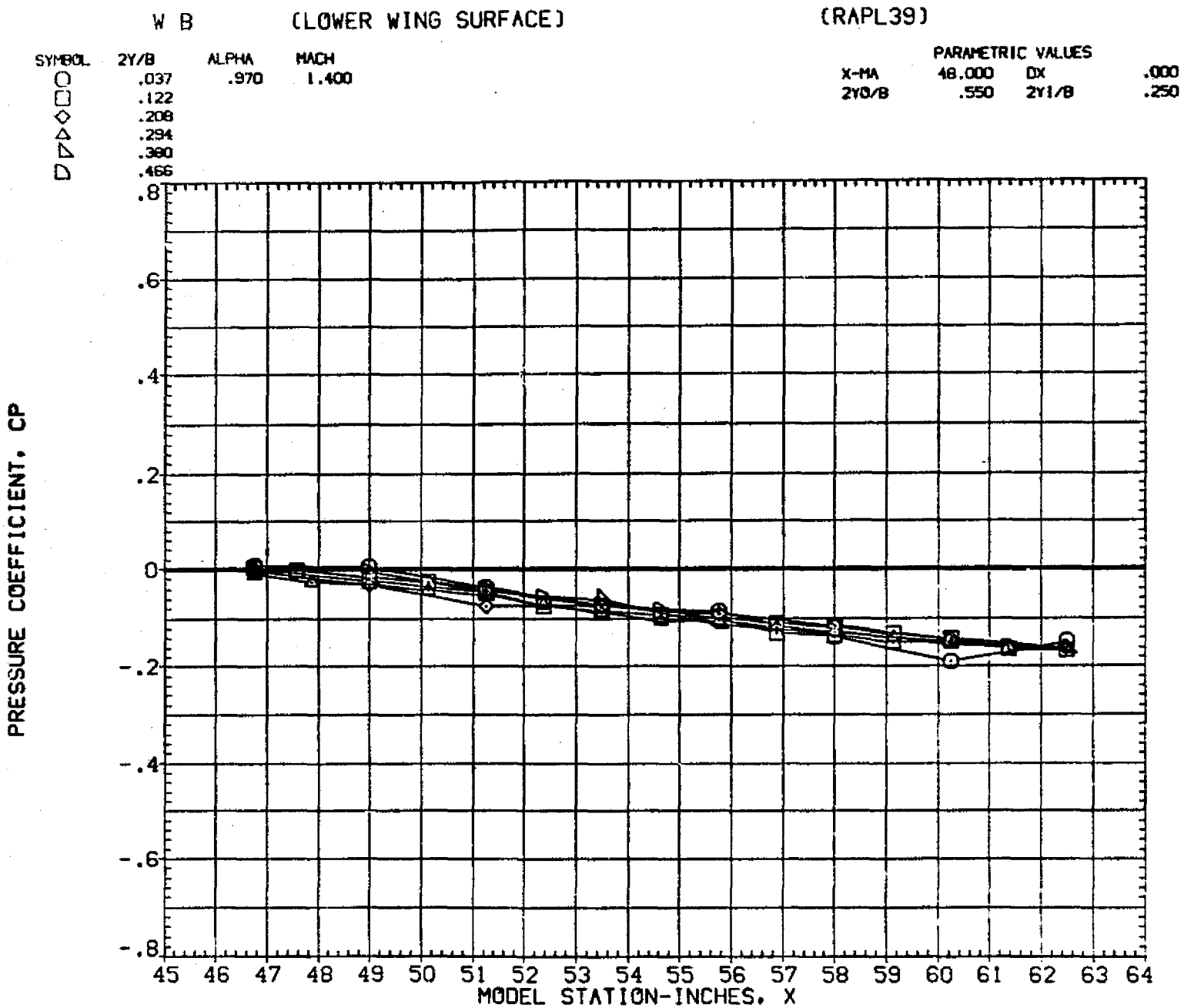


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.970	1.400
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2YO/B	.550	2YI/B	.250

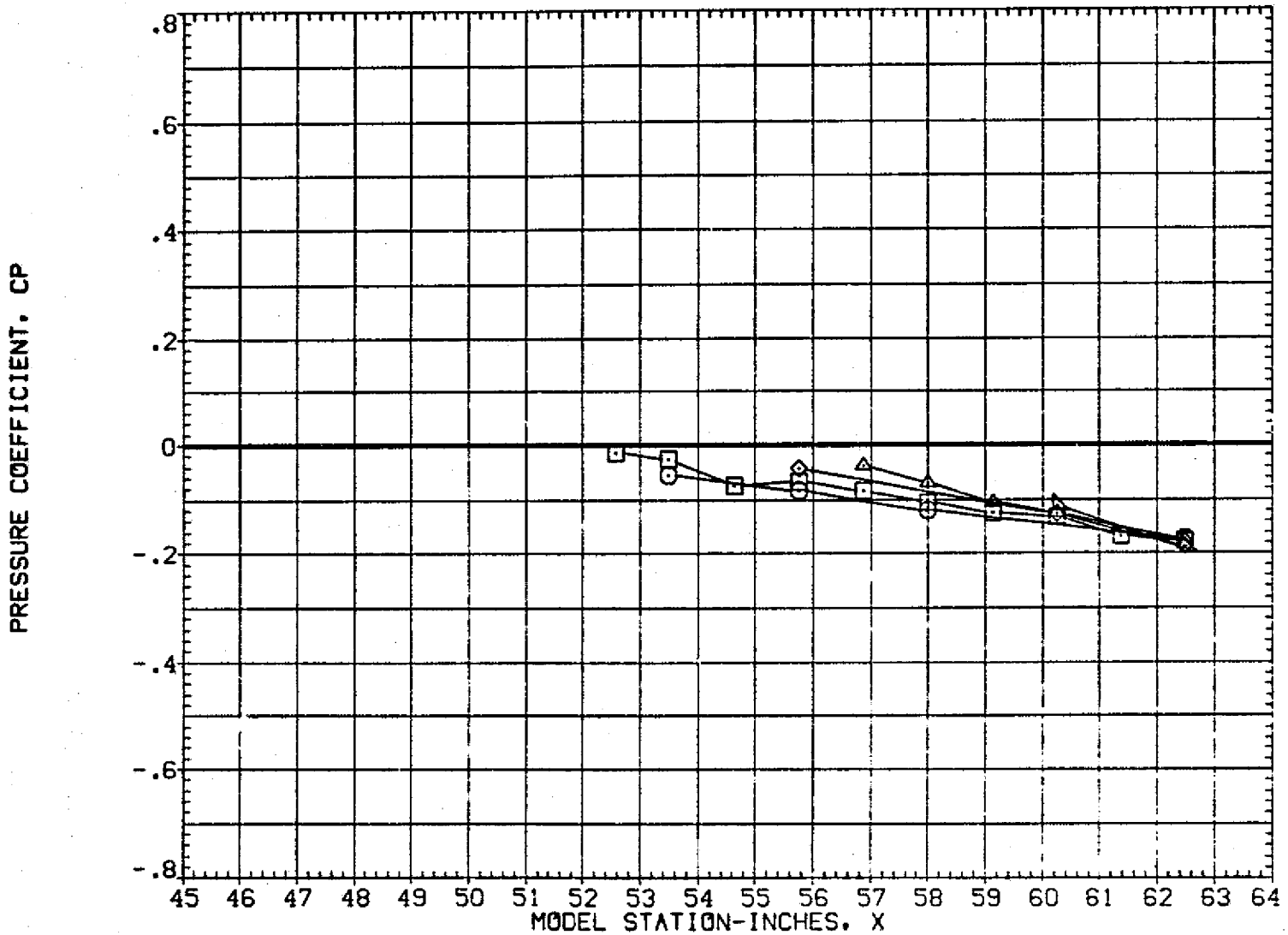


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

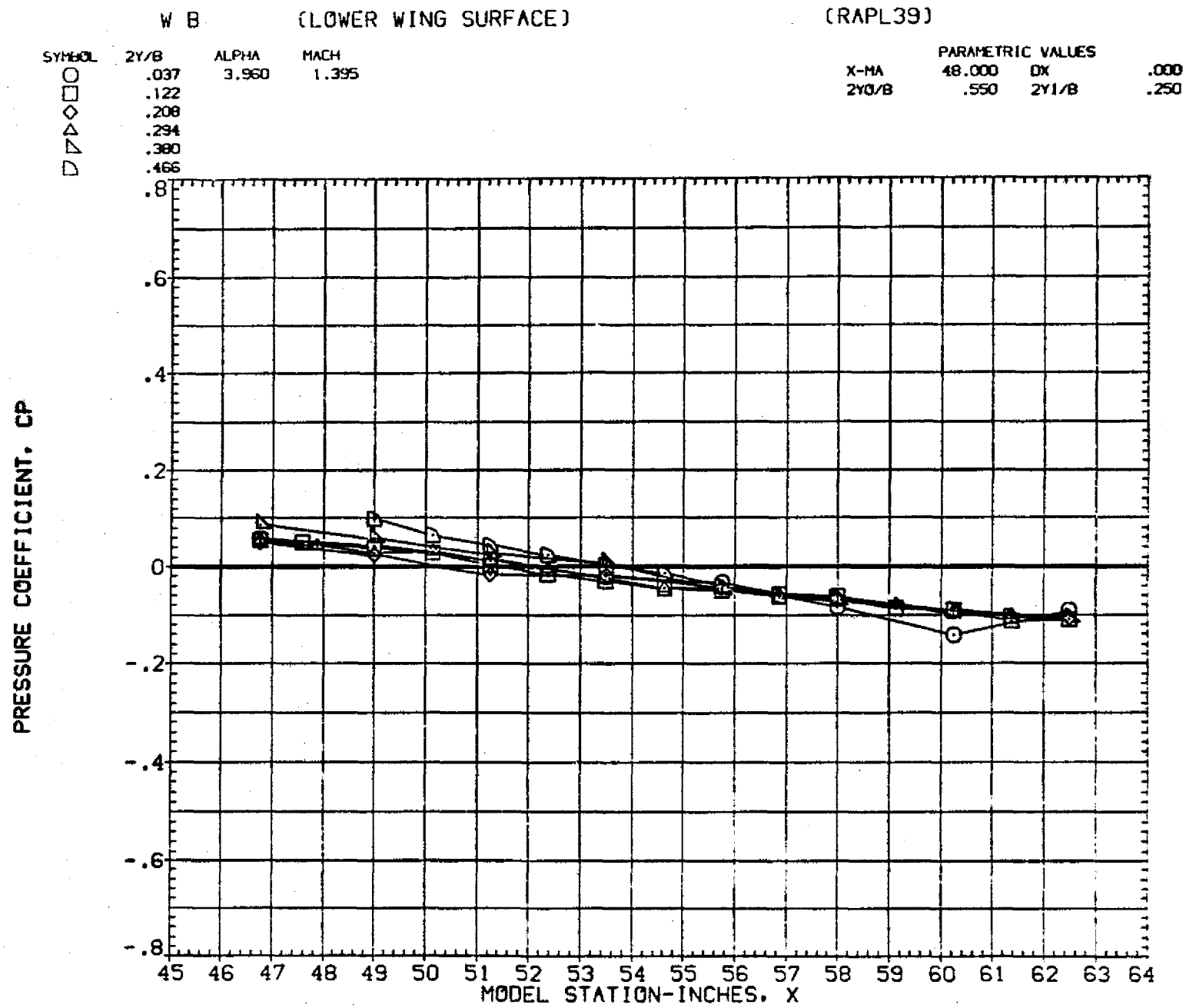


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	3.960	1.395
□	.637		
◇	.723		
△	.809		
◿	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

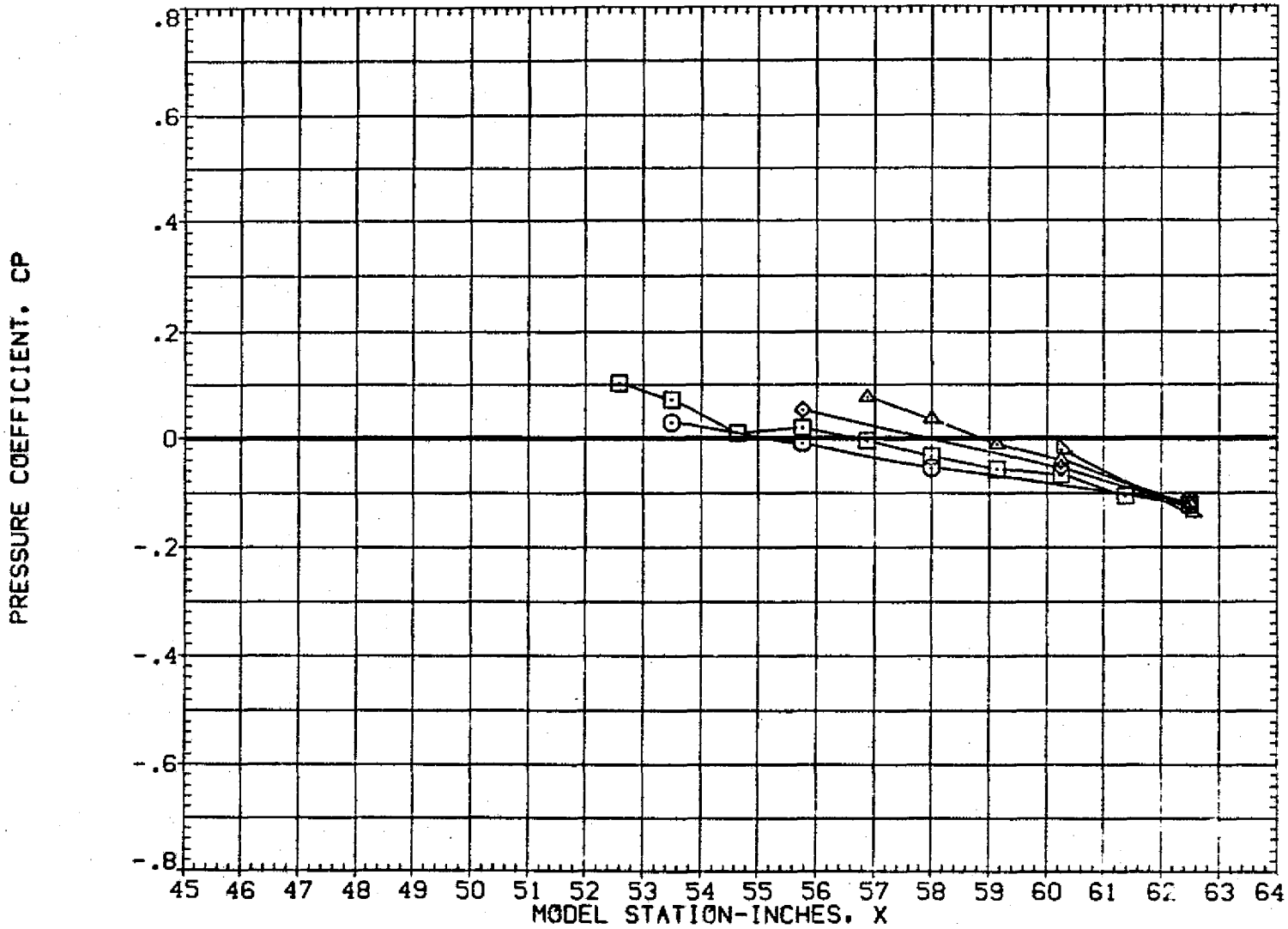


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

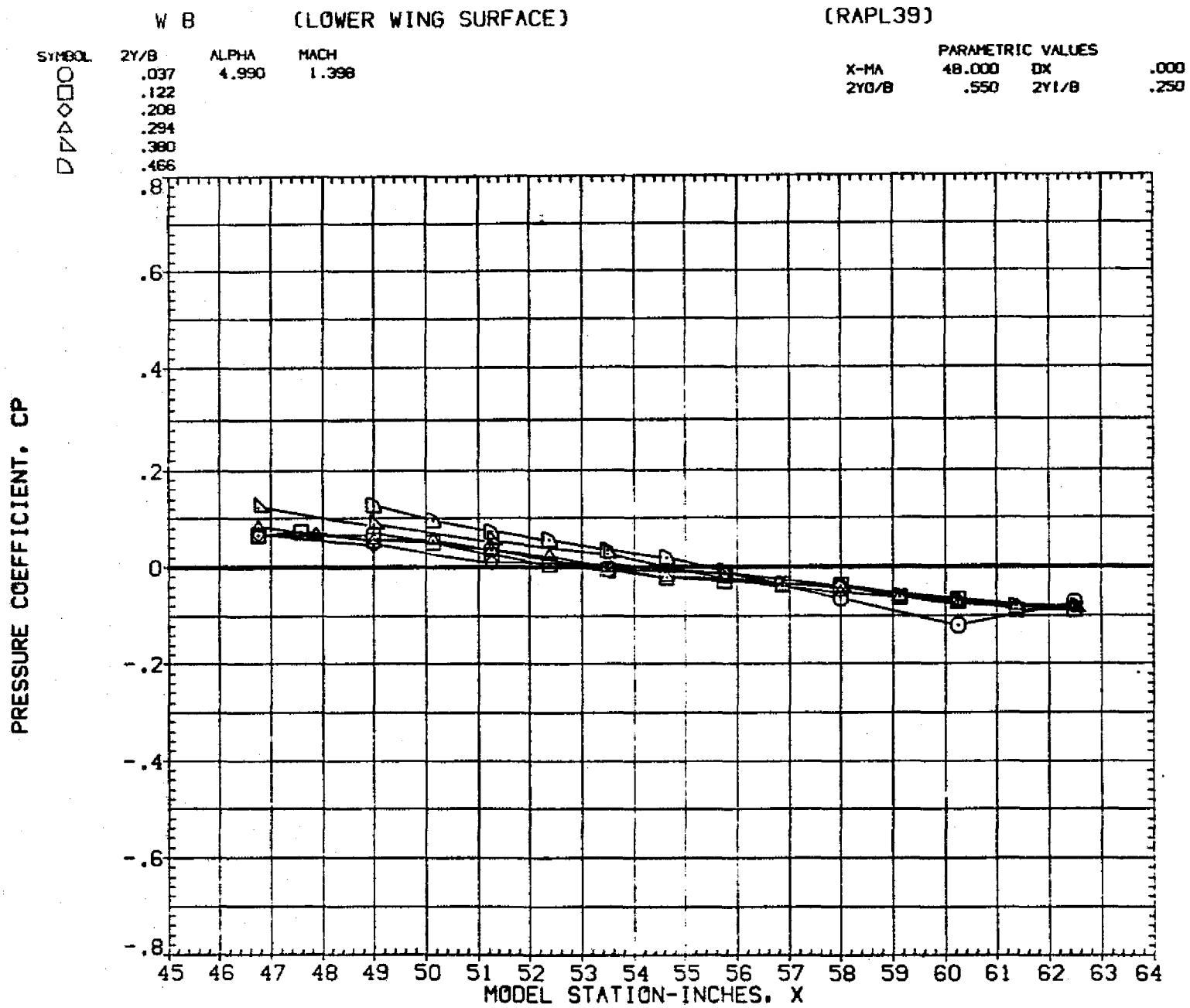


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.990	1.398
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

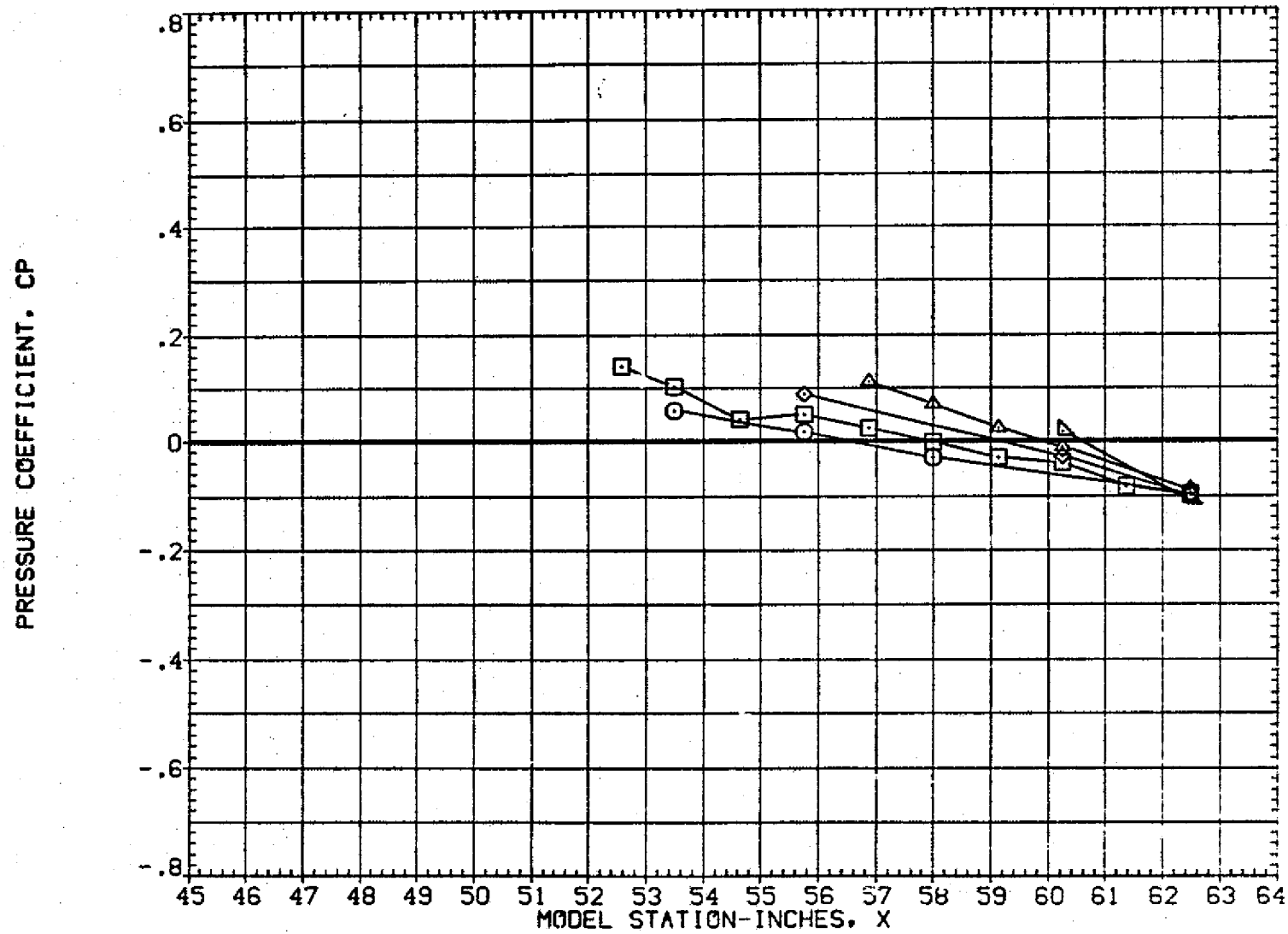


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

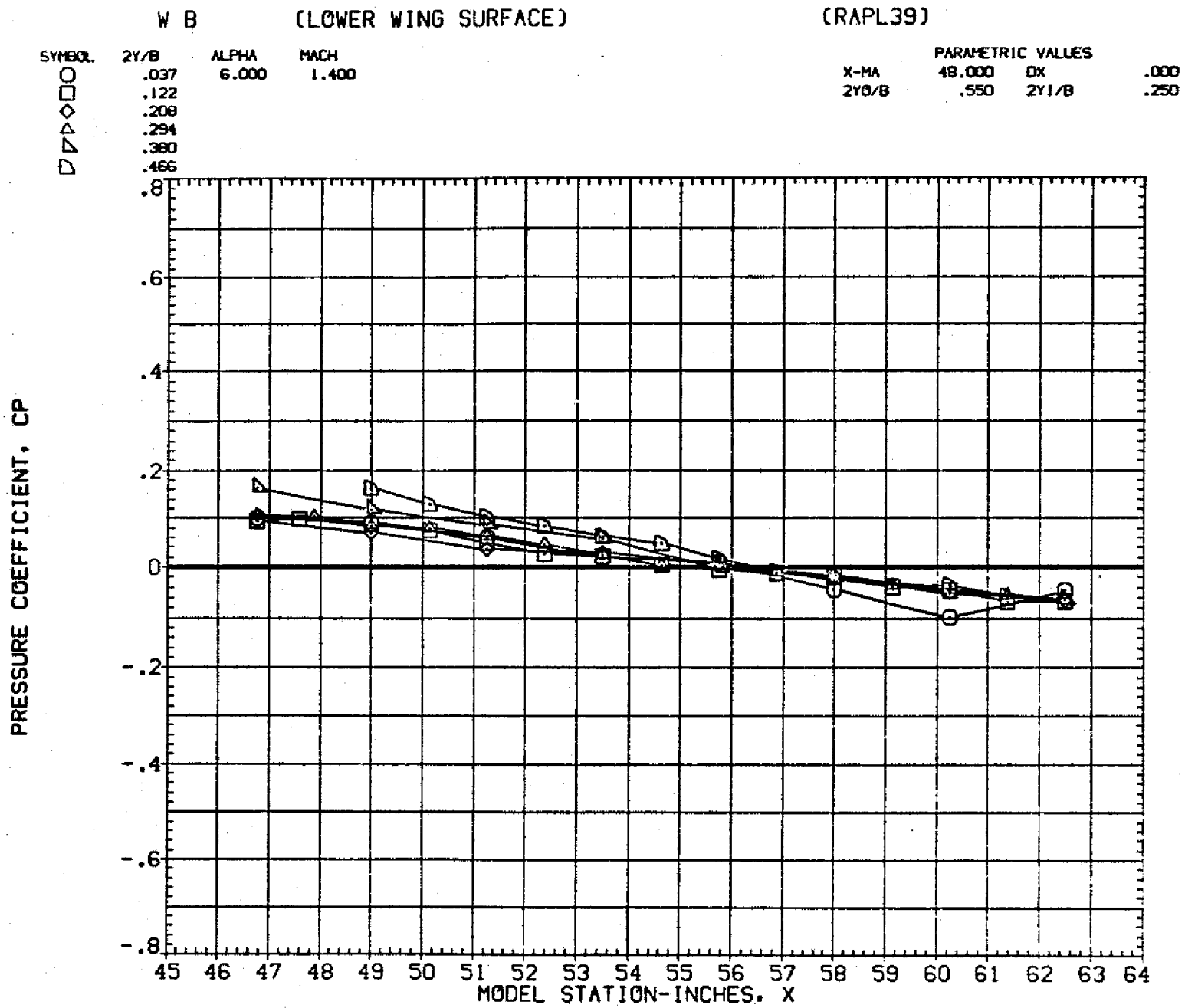


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL39)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.000	1.400
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

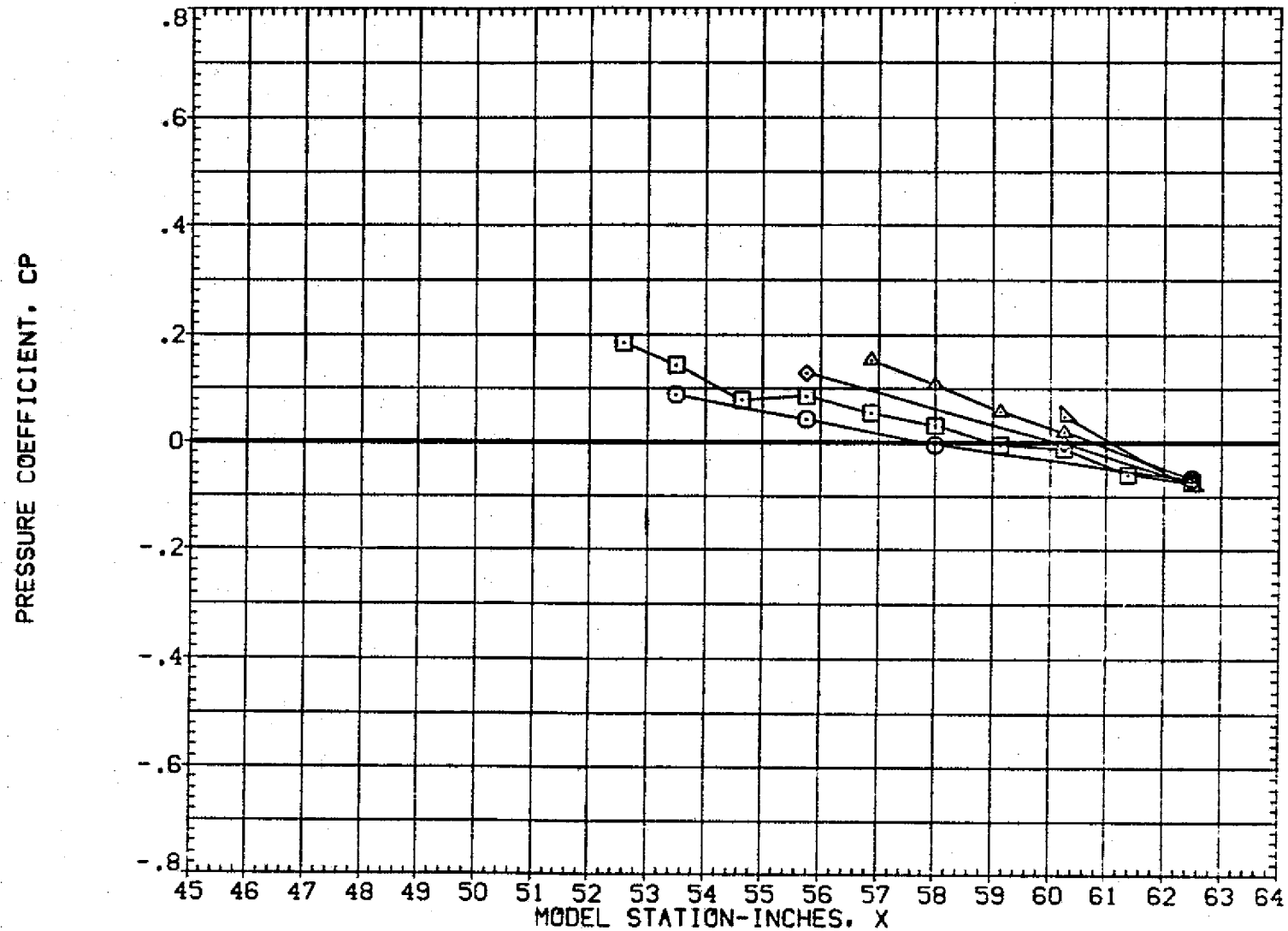


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

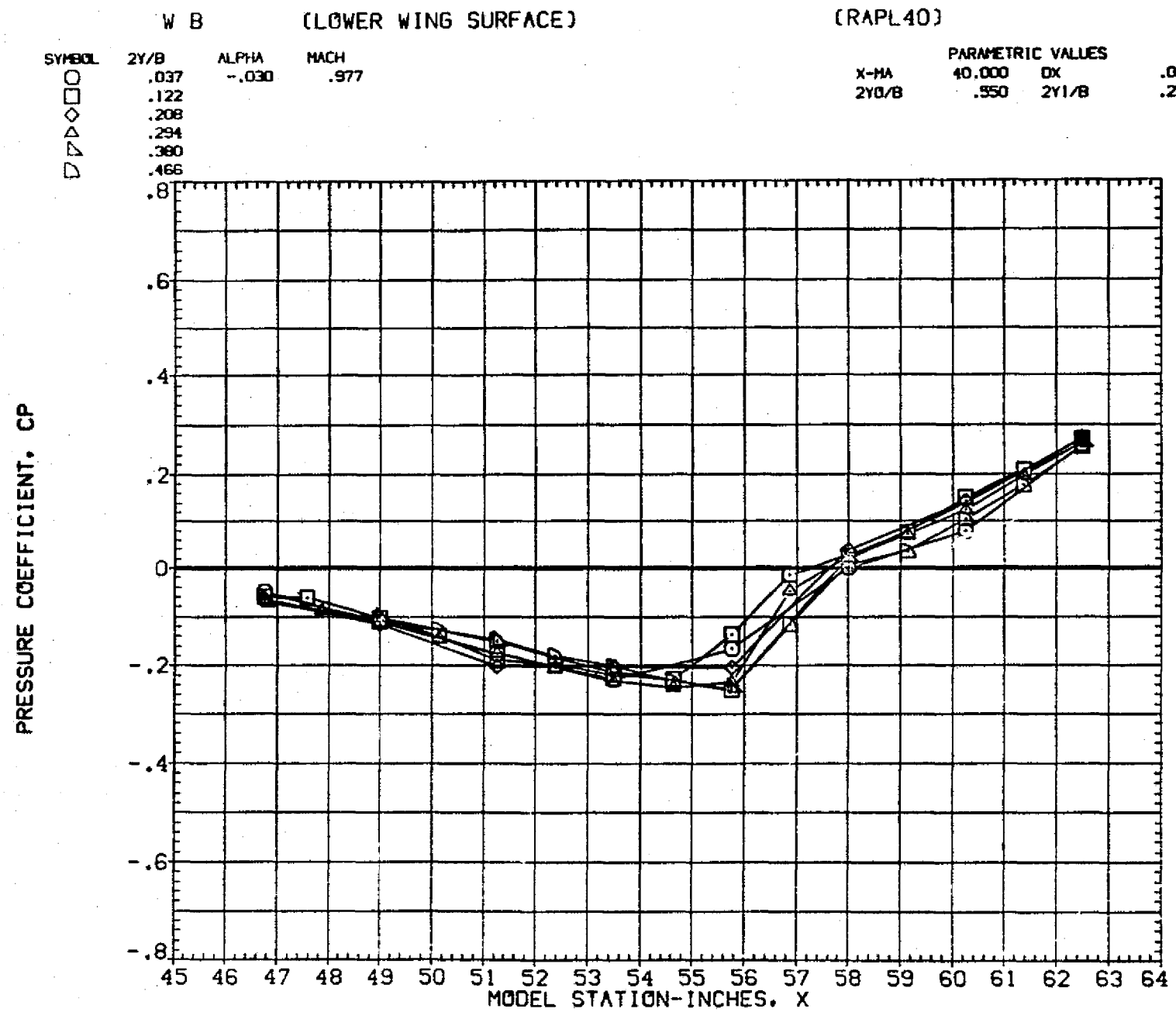


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.030	.977
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

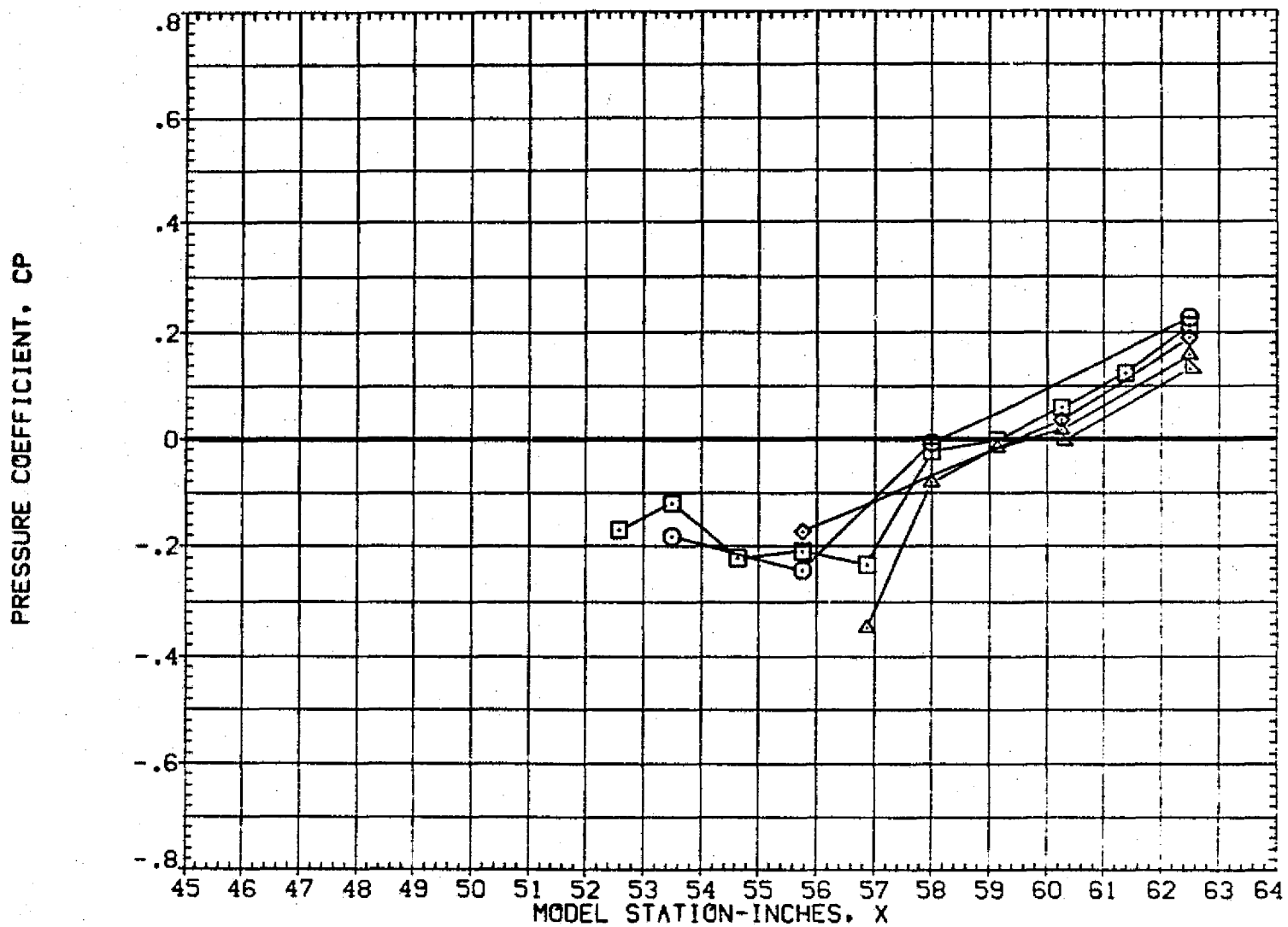


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

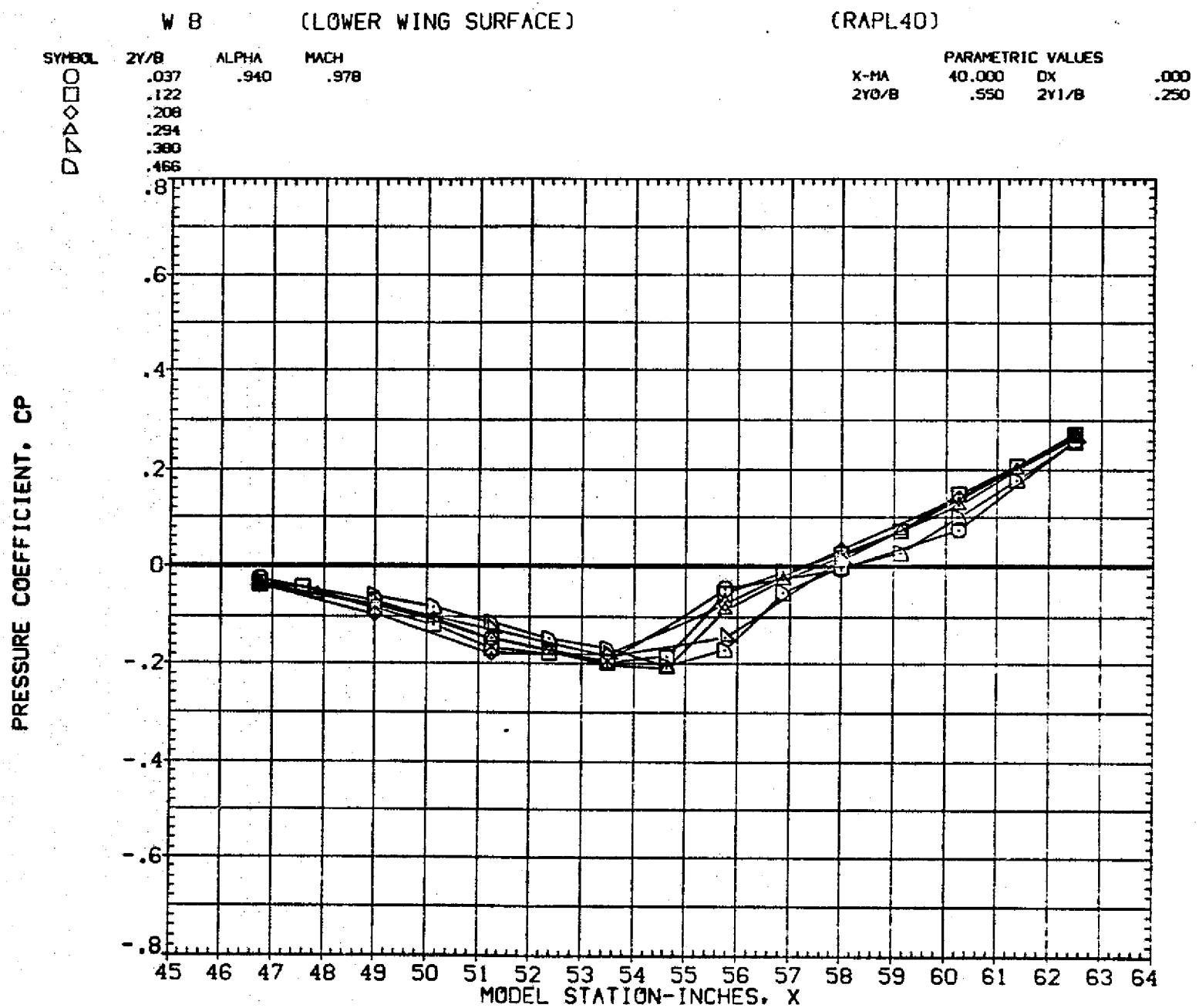


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.940	.978
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

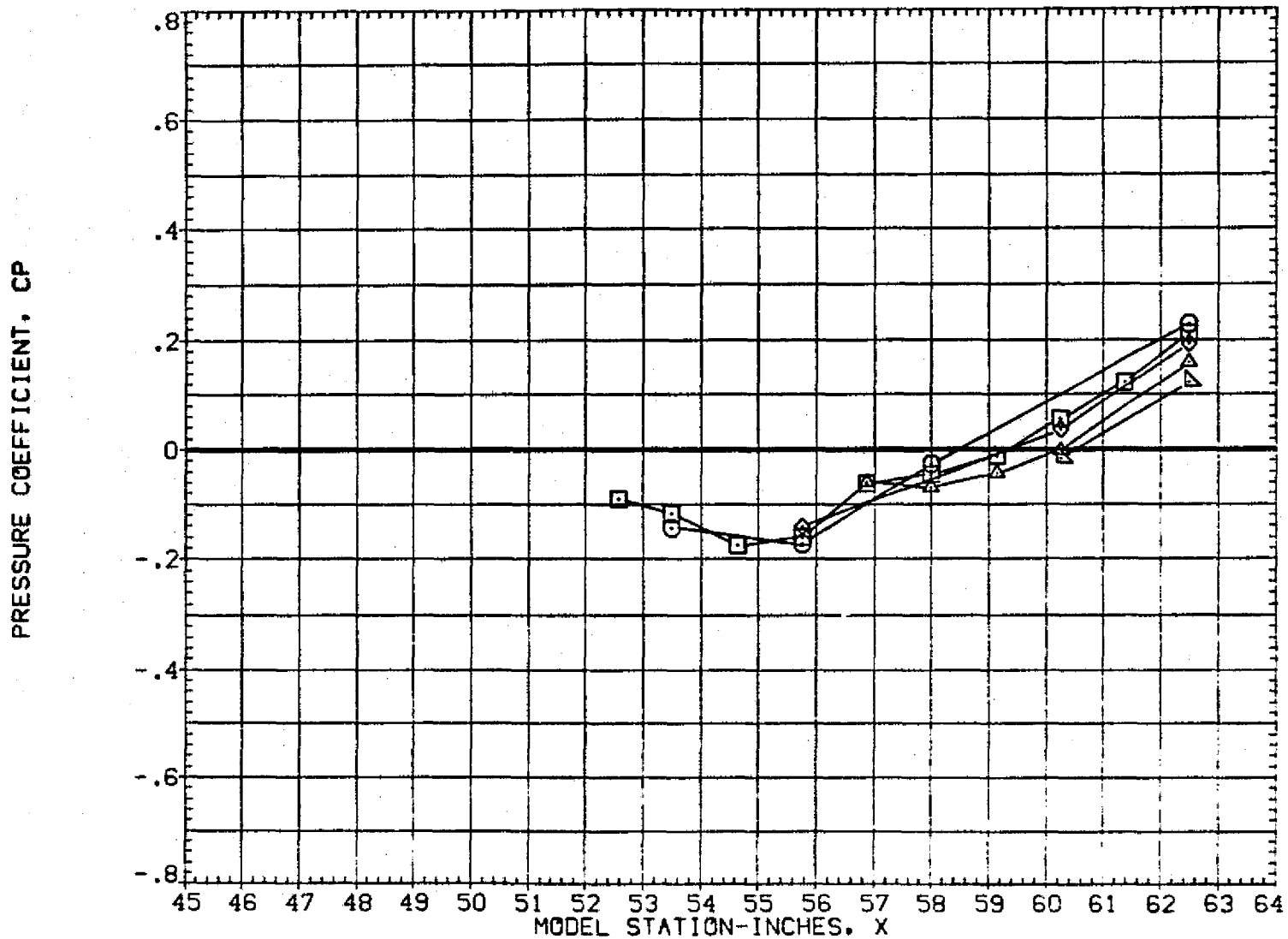


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

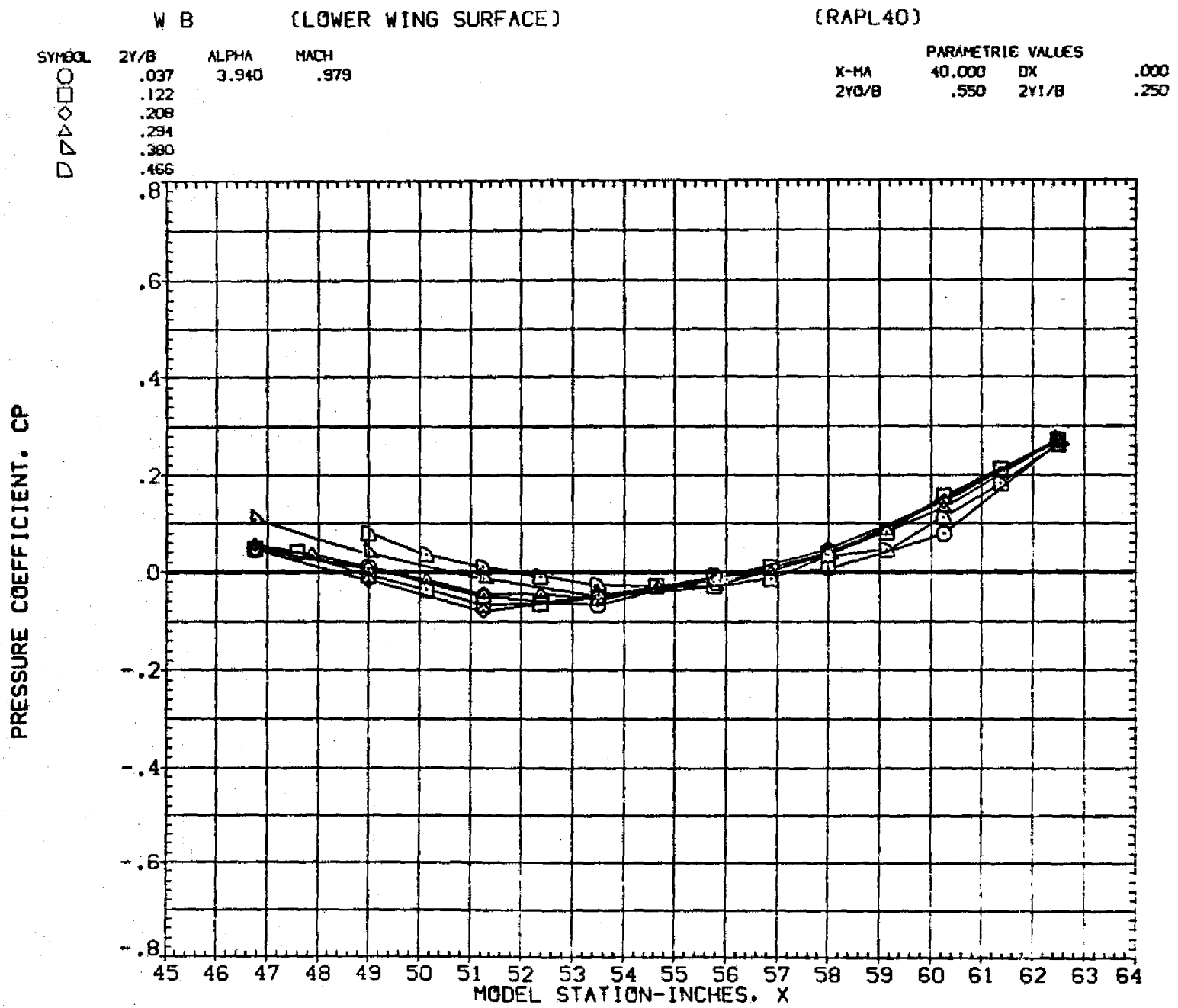


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

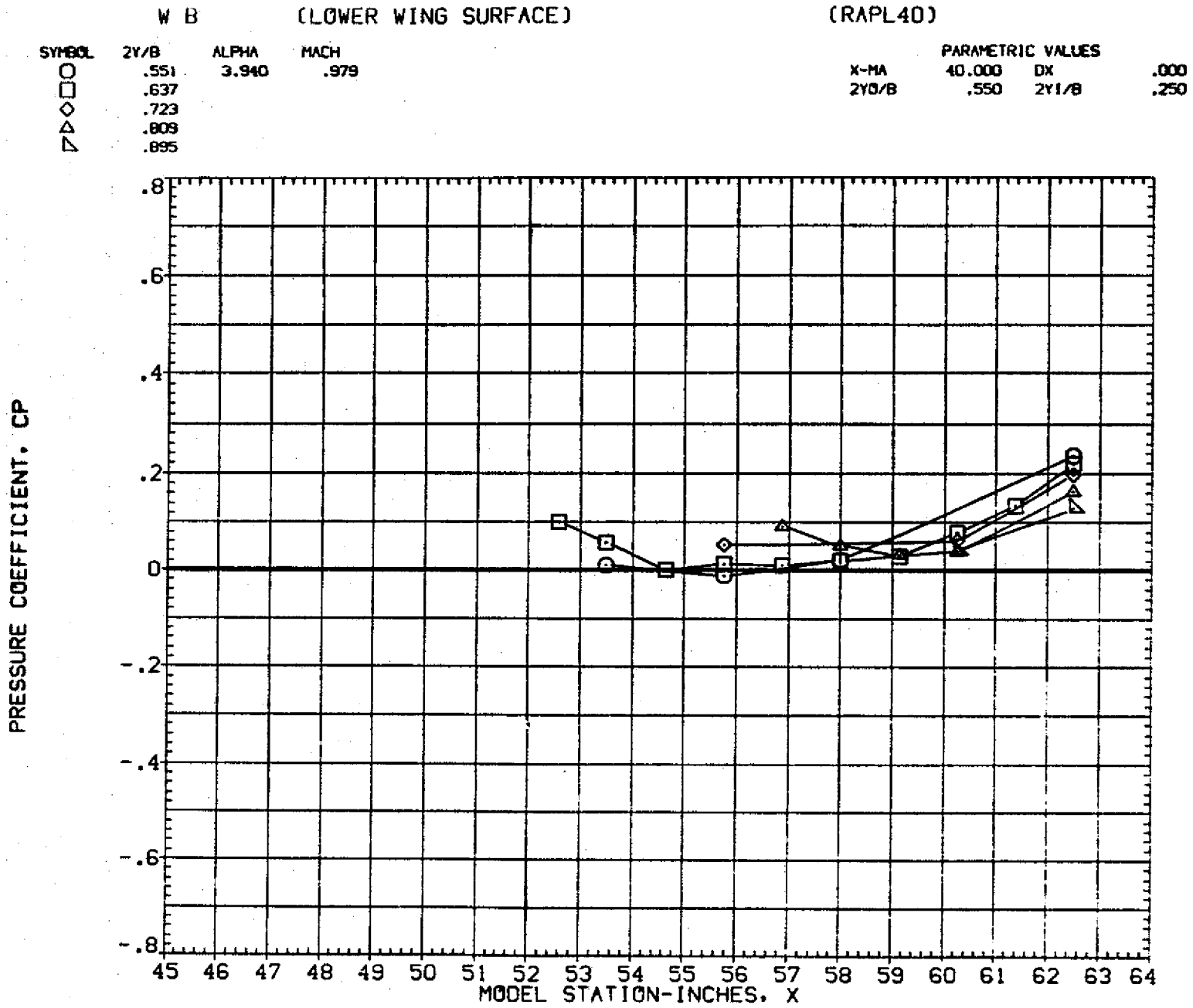


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.037	4.990	.981
□	.122		
◇	.208		
△	.294		
◺	.380		
◻	.466		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

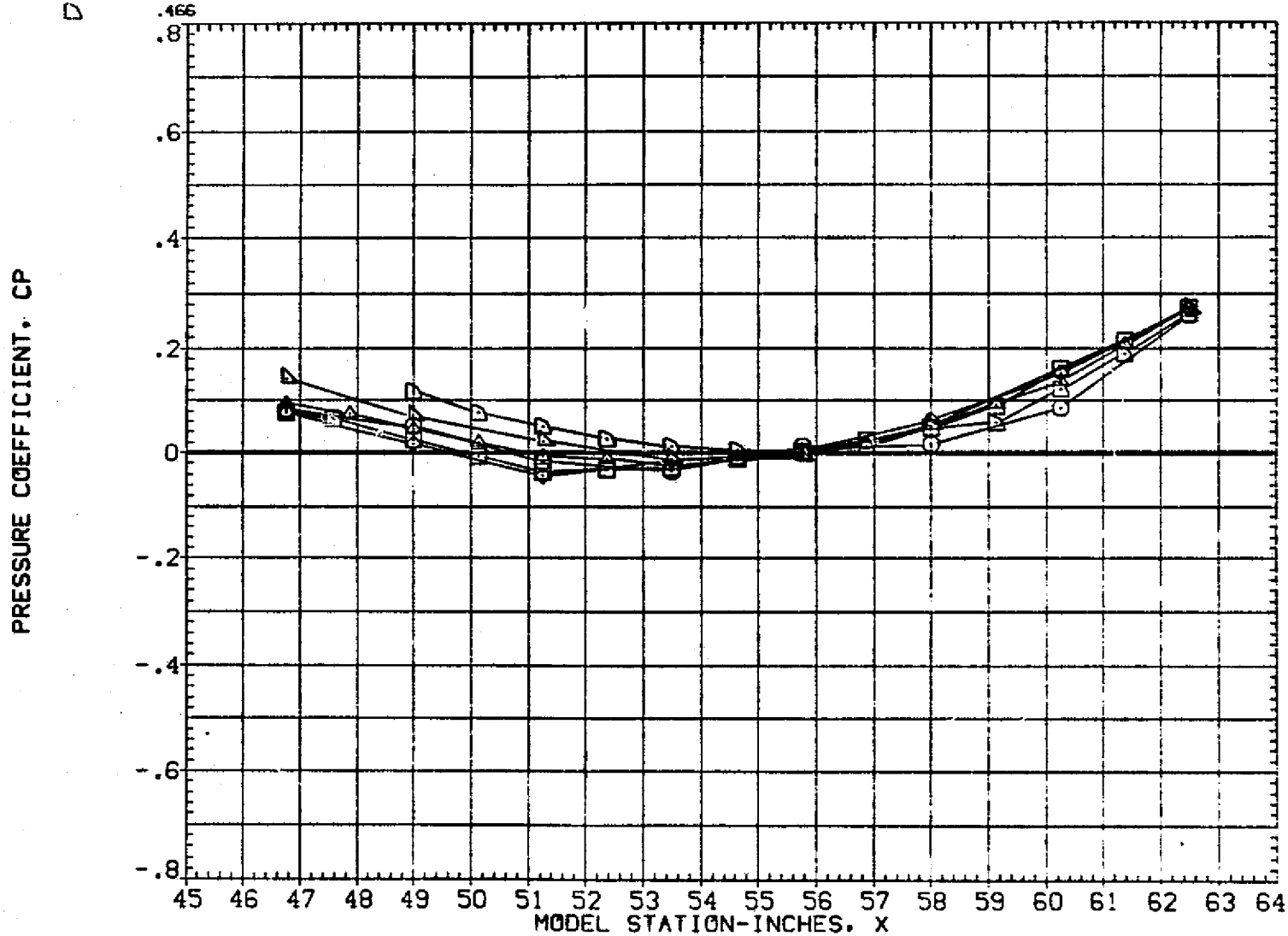


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.990	.981
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

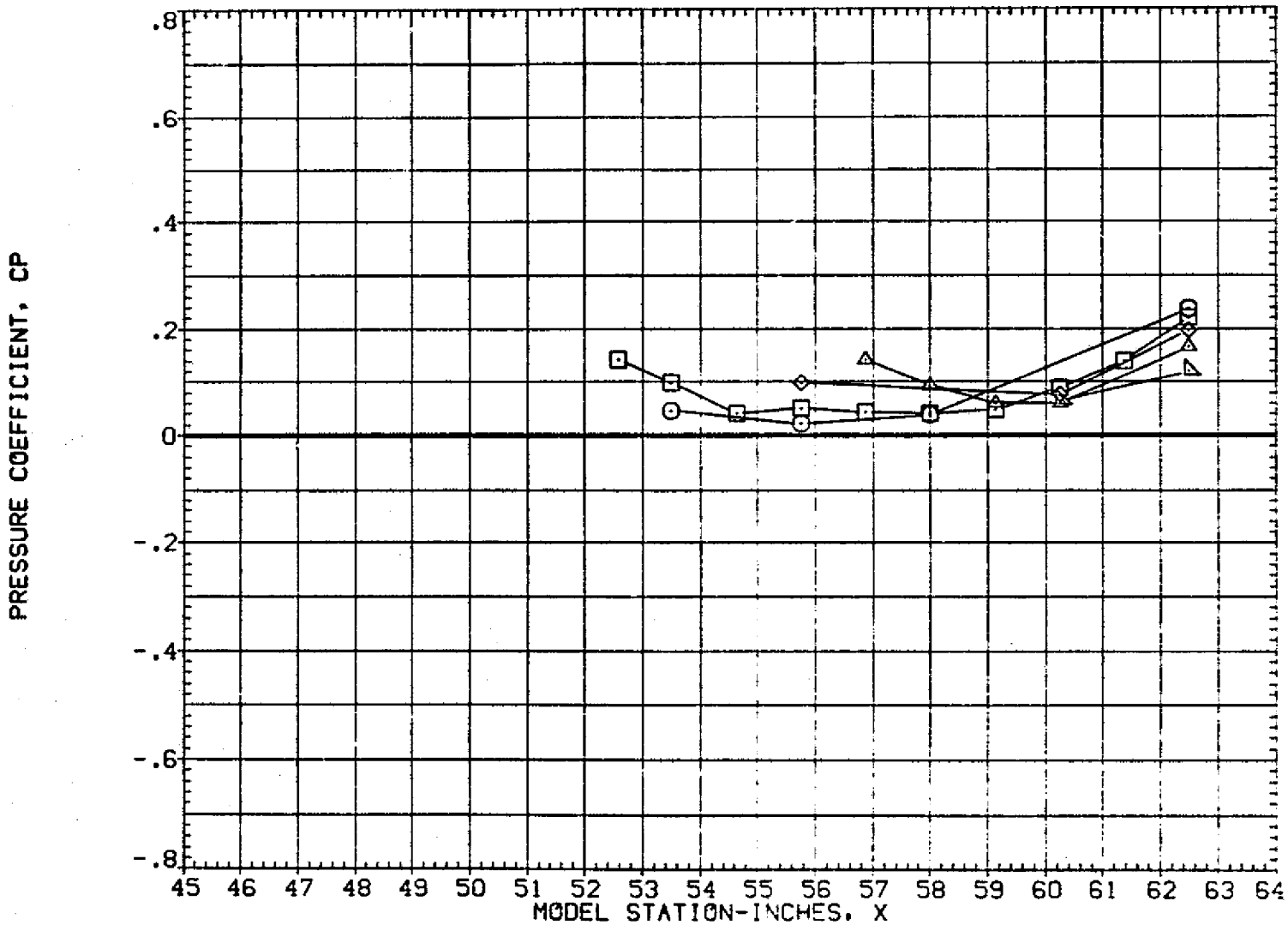


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

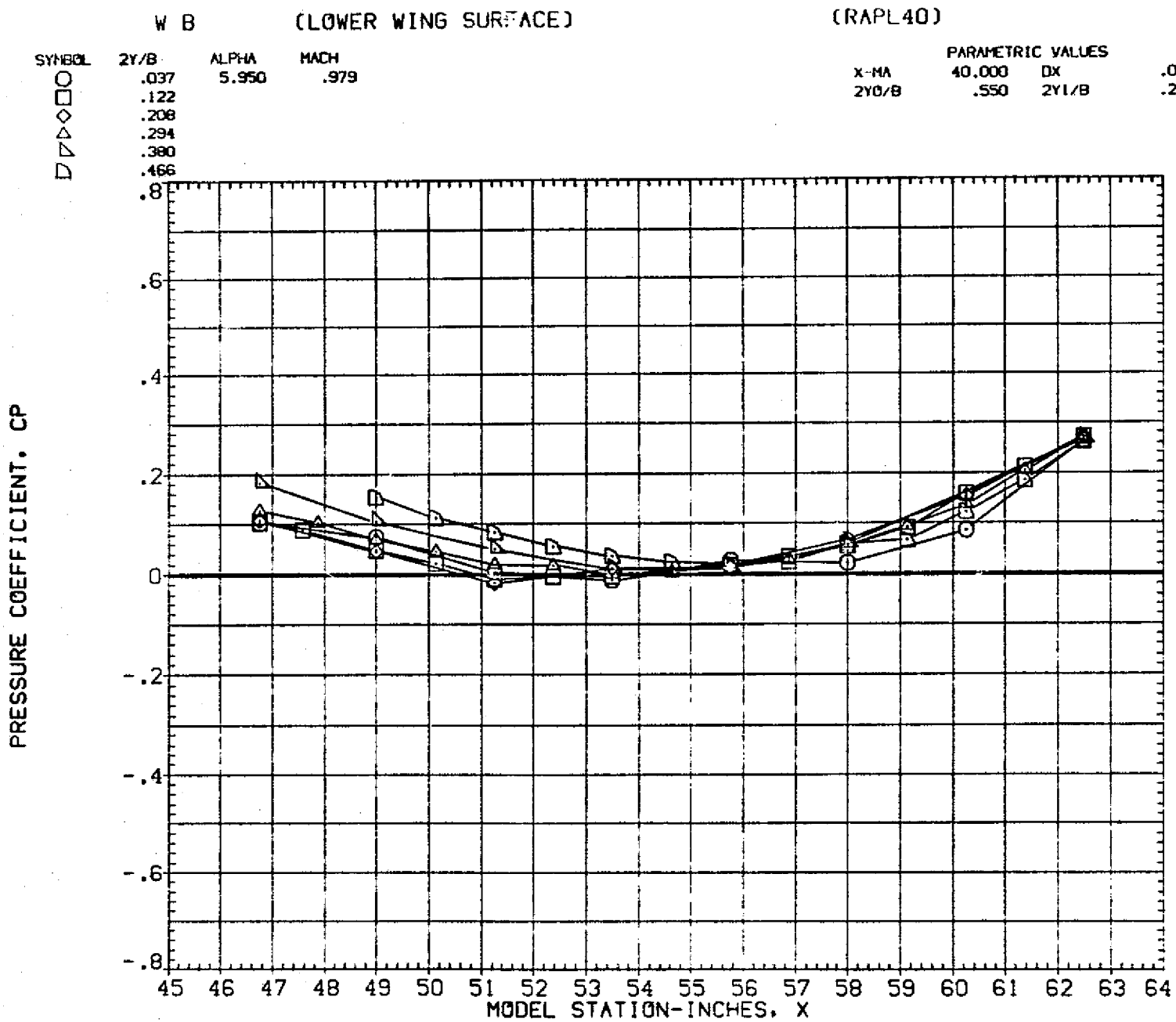


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.950	.979
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	OX	.000
2Y0/B	.550	2Y1/B	.250

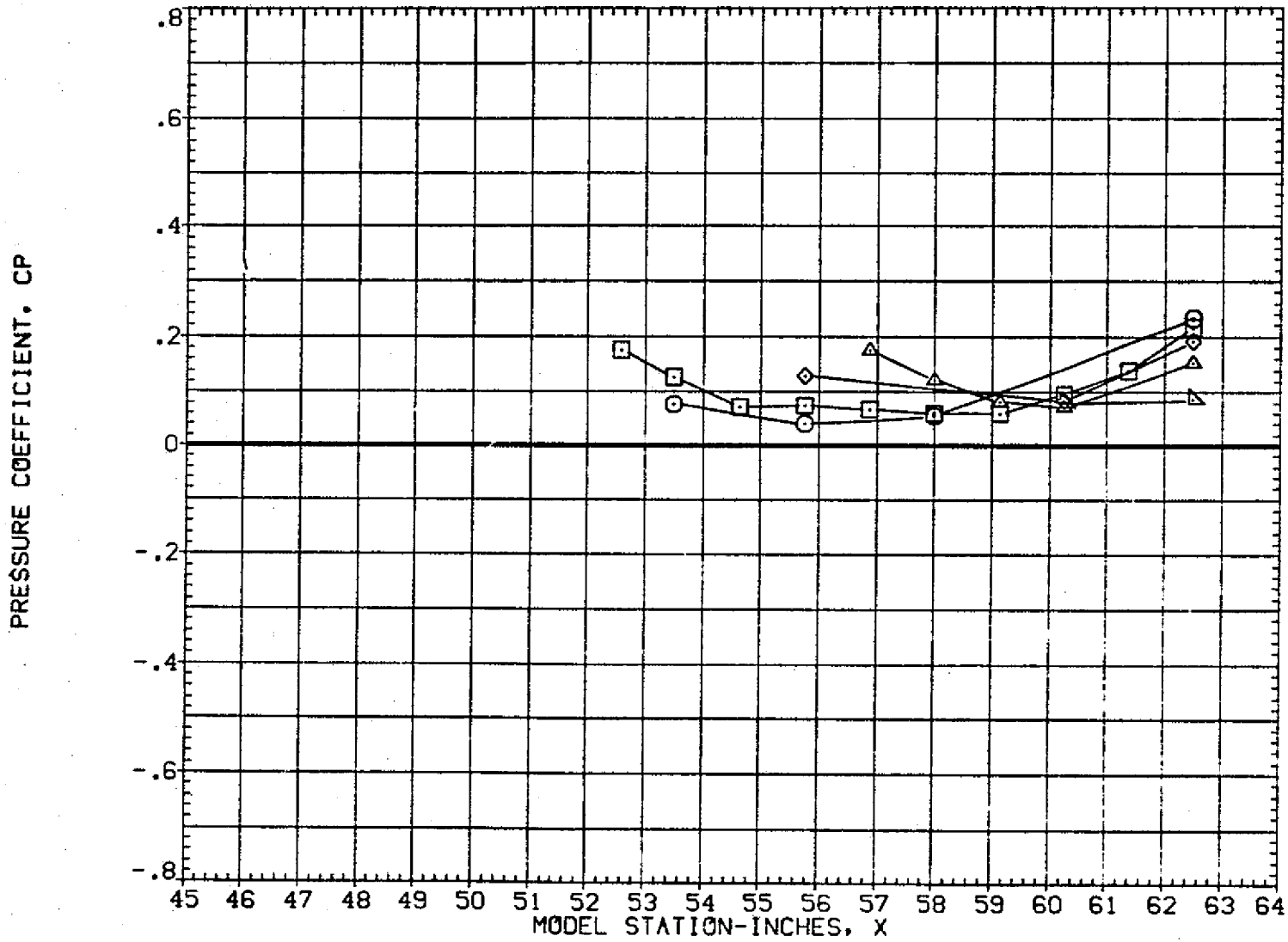


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

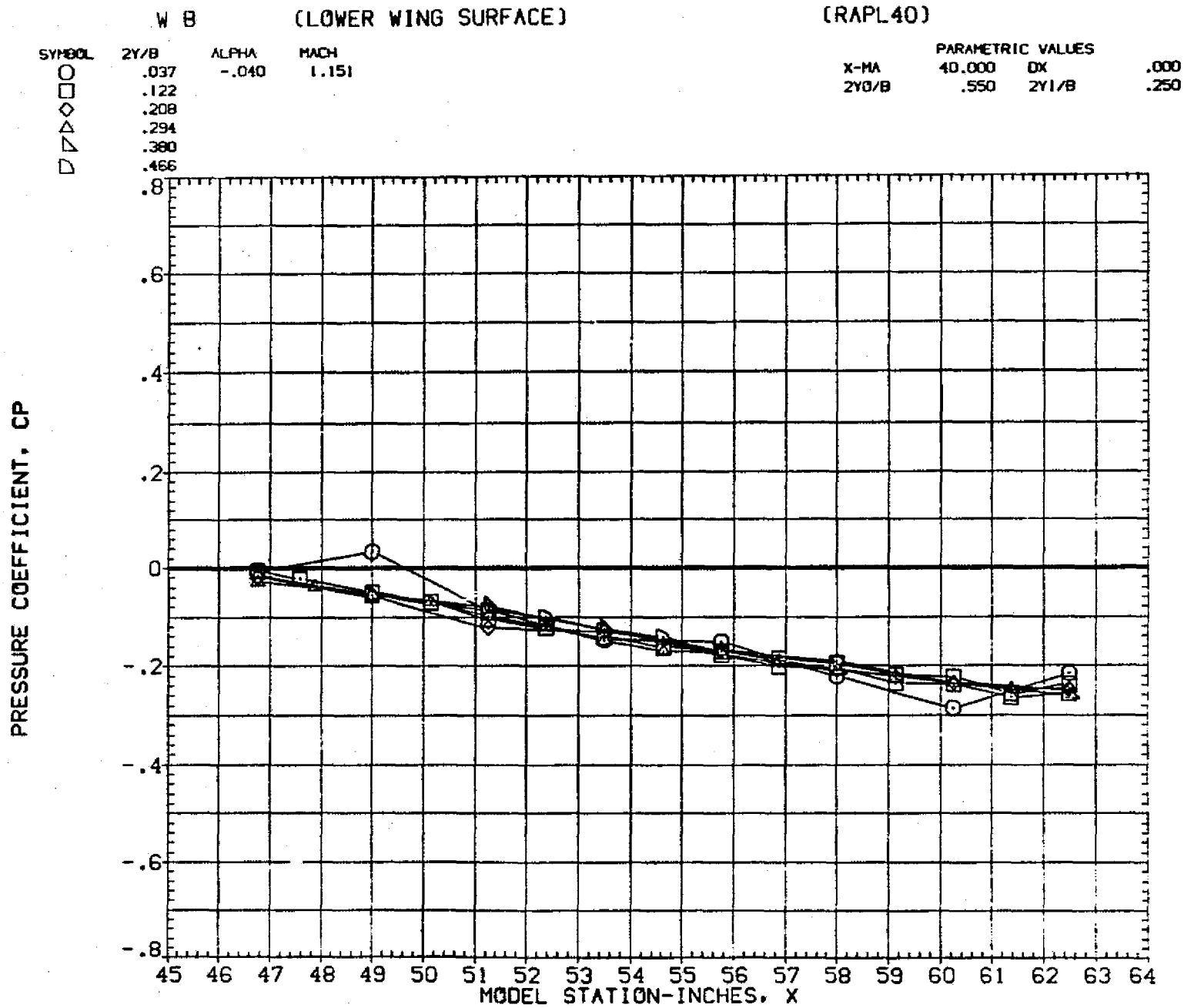


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	-.040	1.151
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

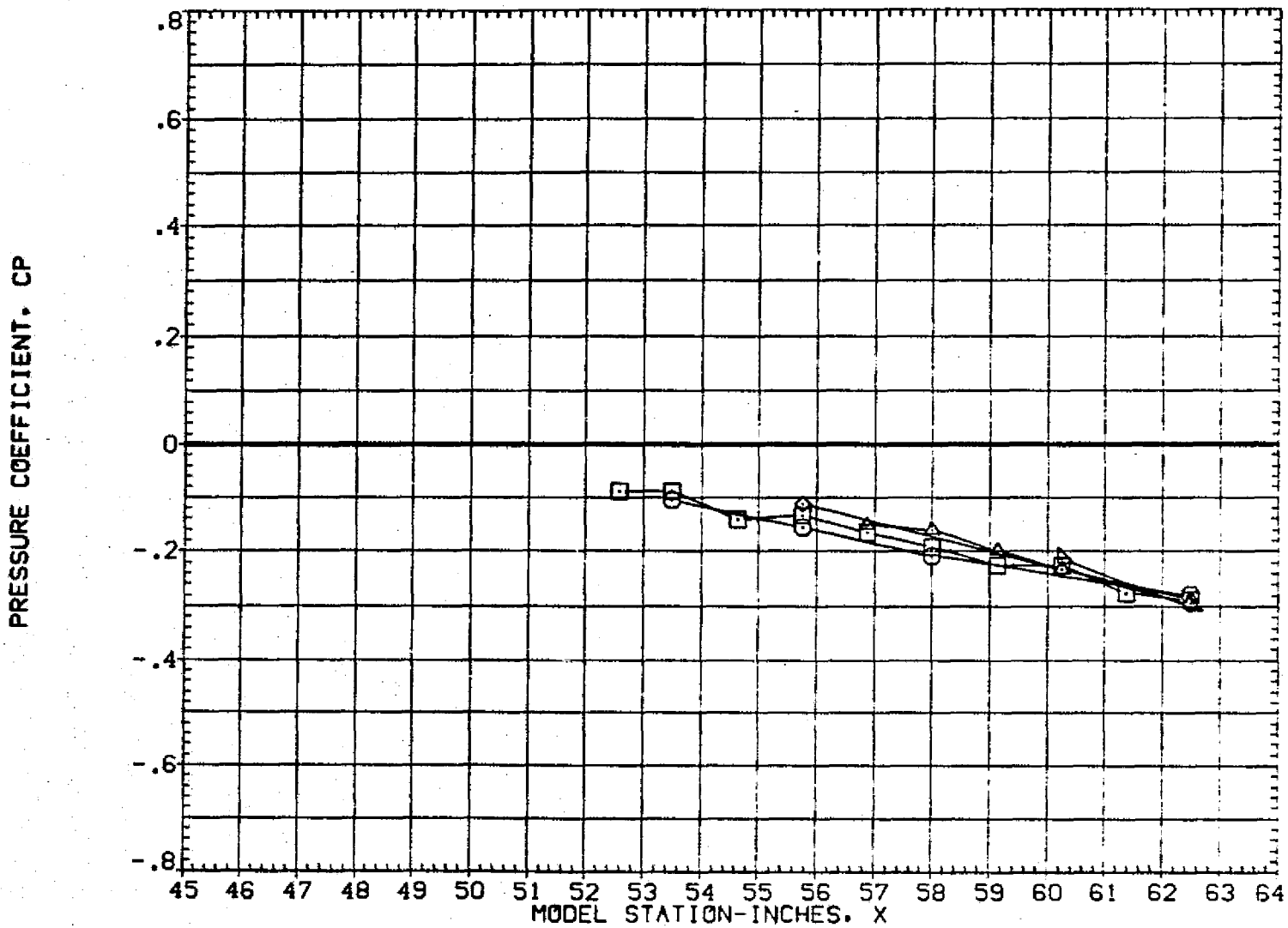


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

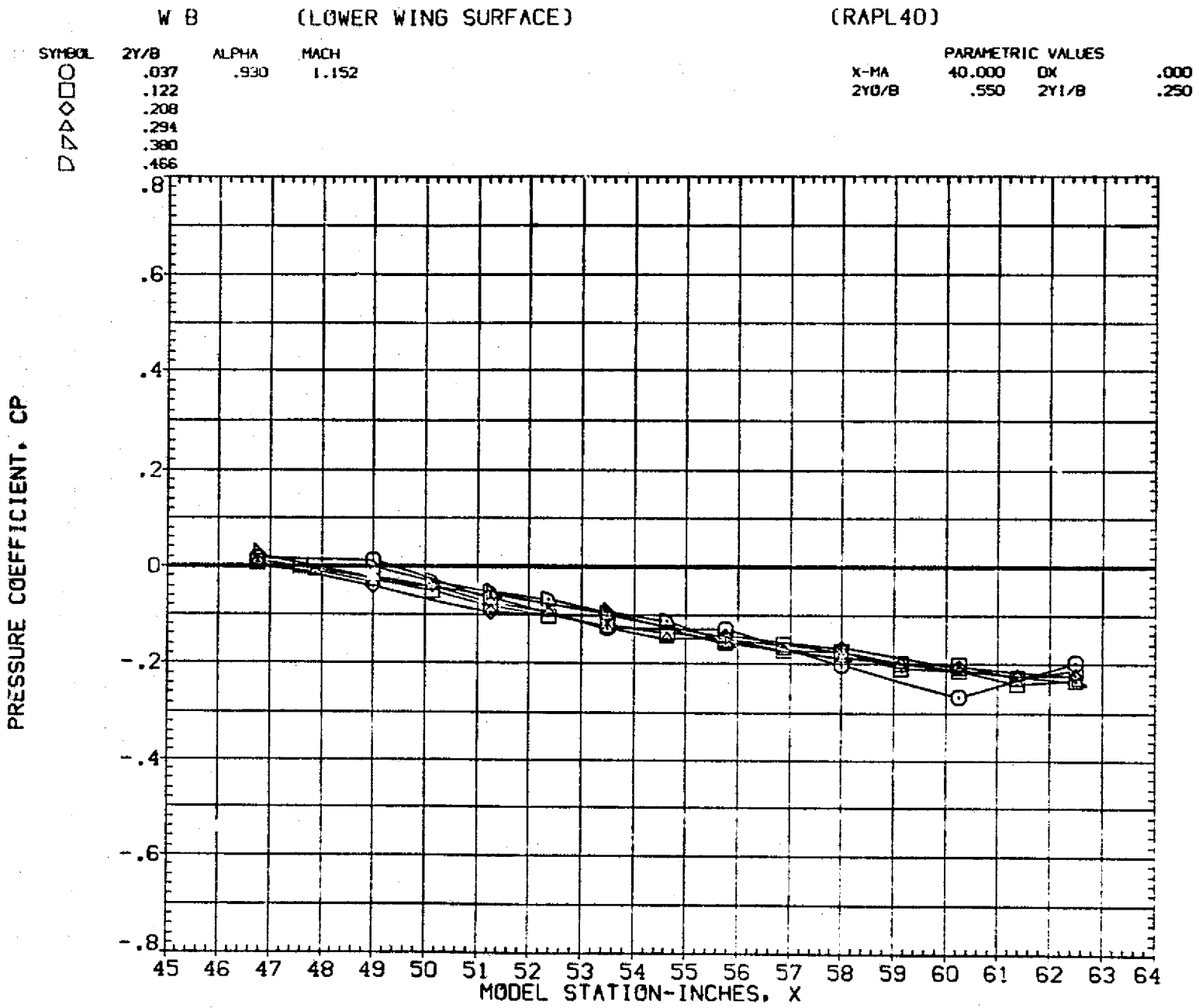


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.930	1.152
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

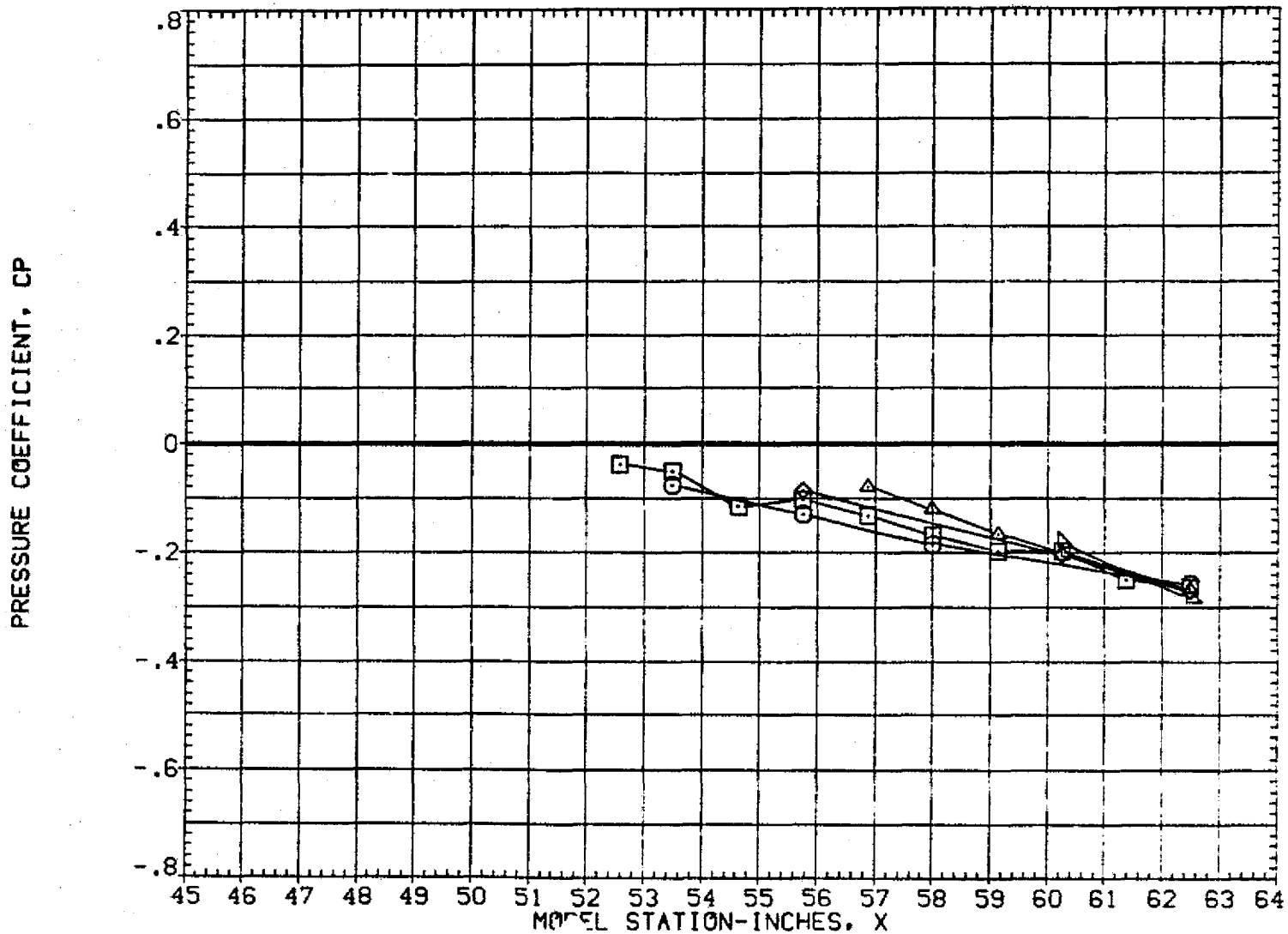


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

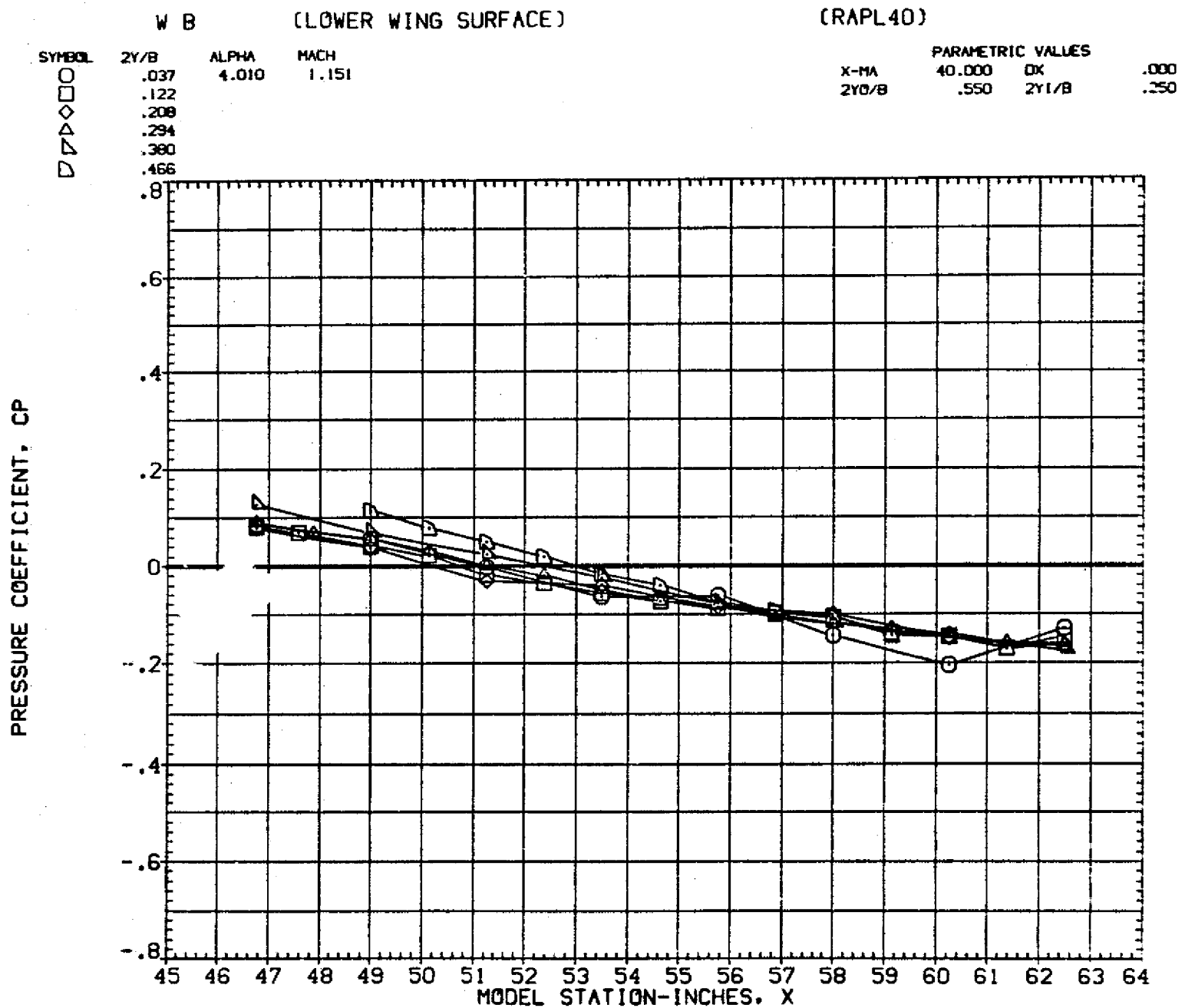


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.010	1.151
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

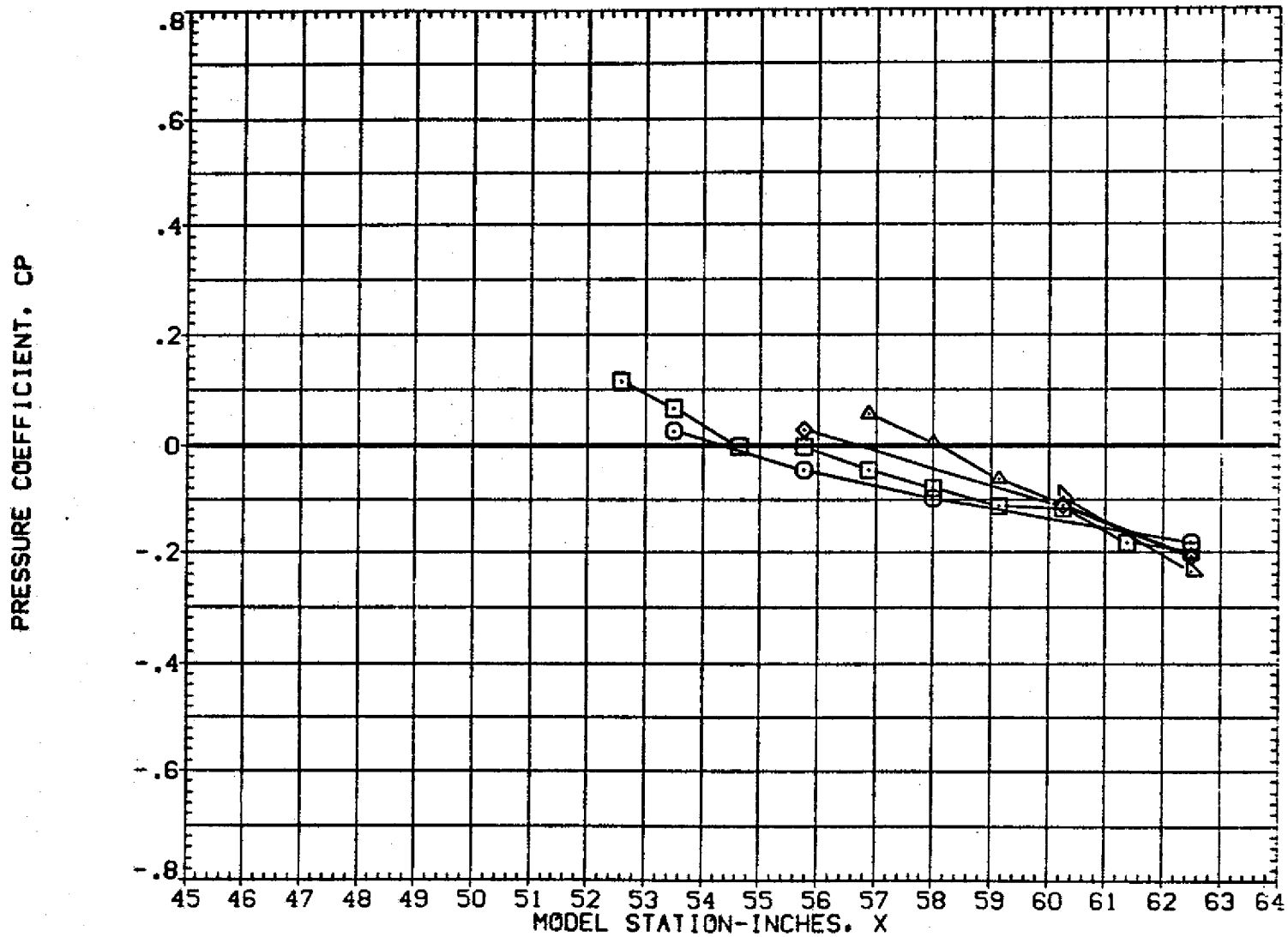


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

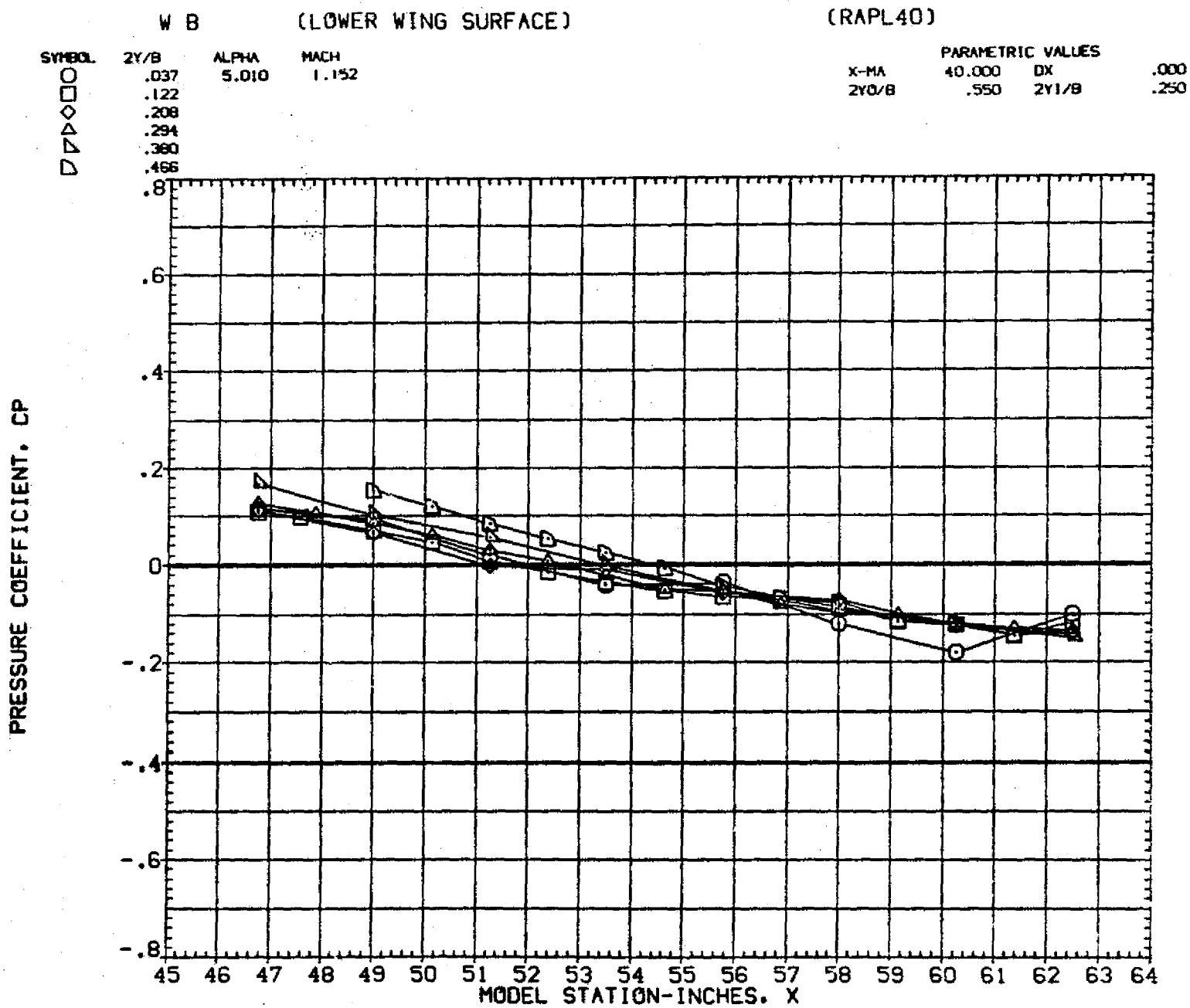


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

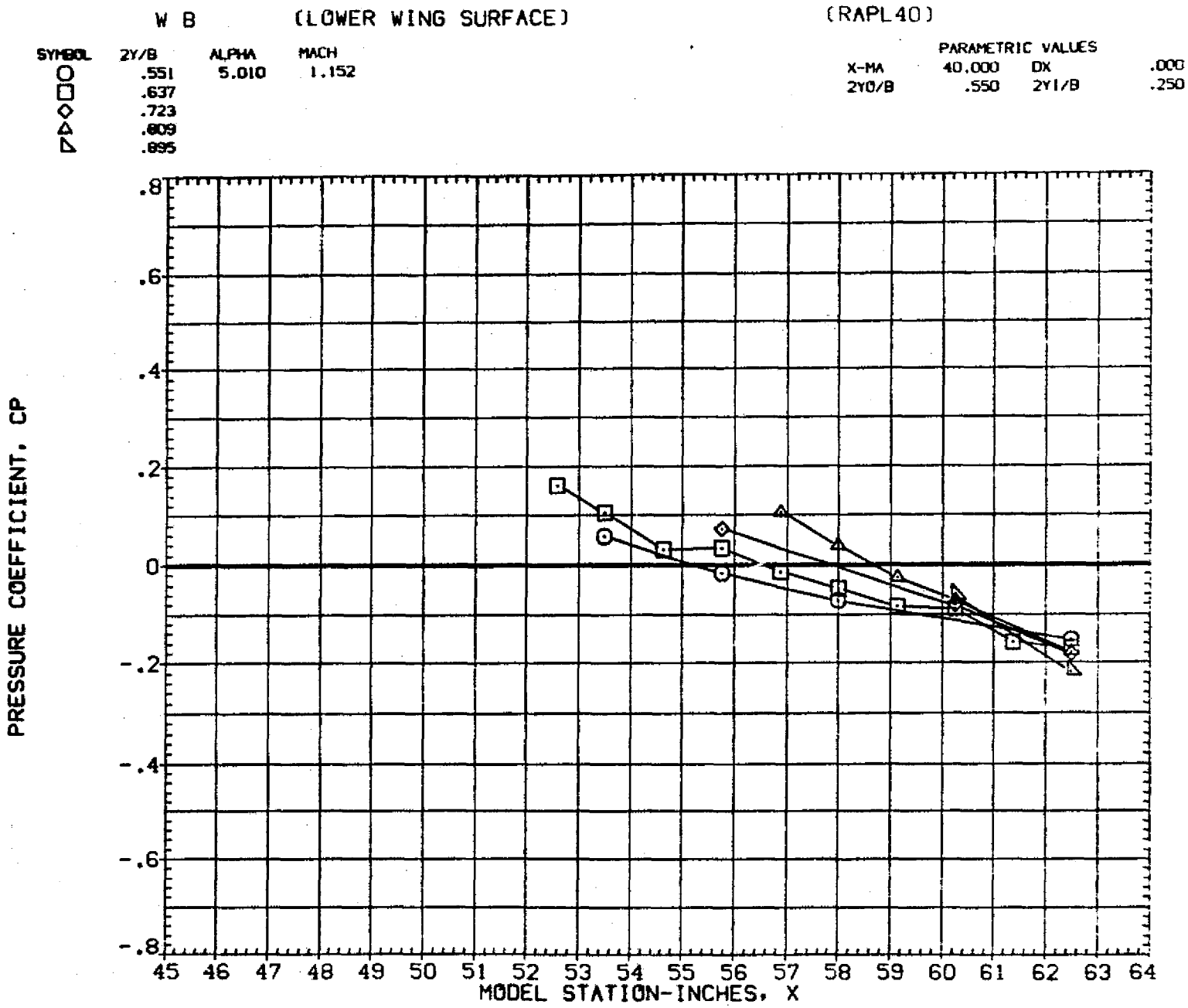


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

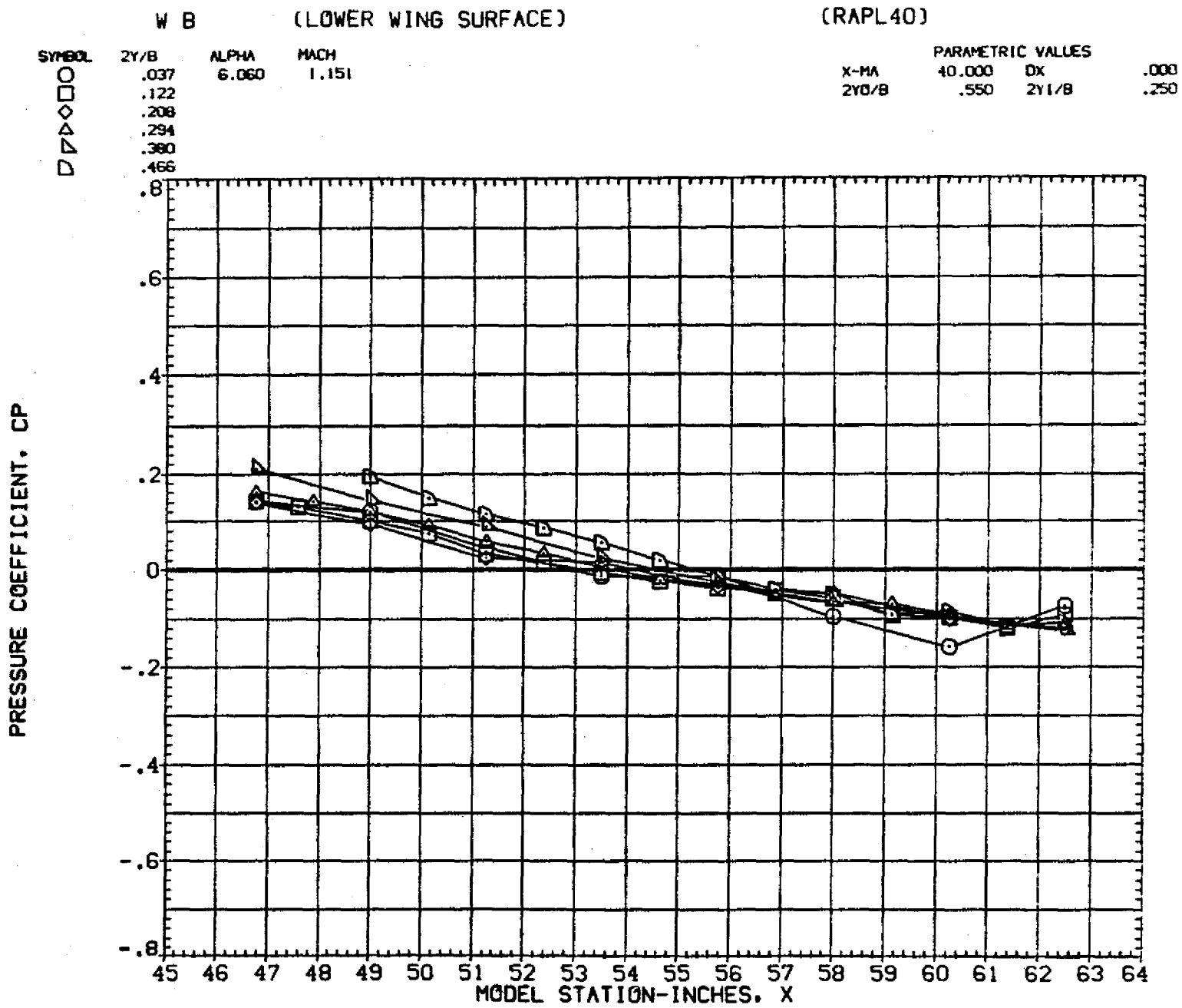


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	6.060	1.151
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

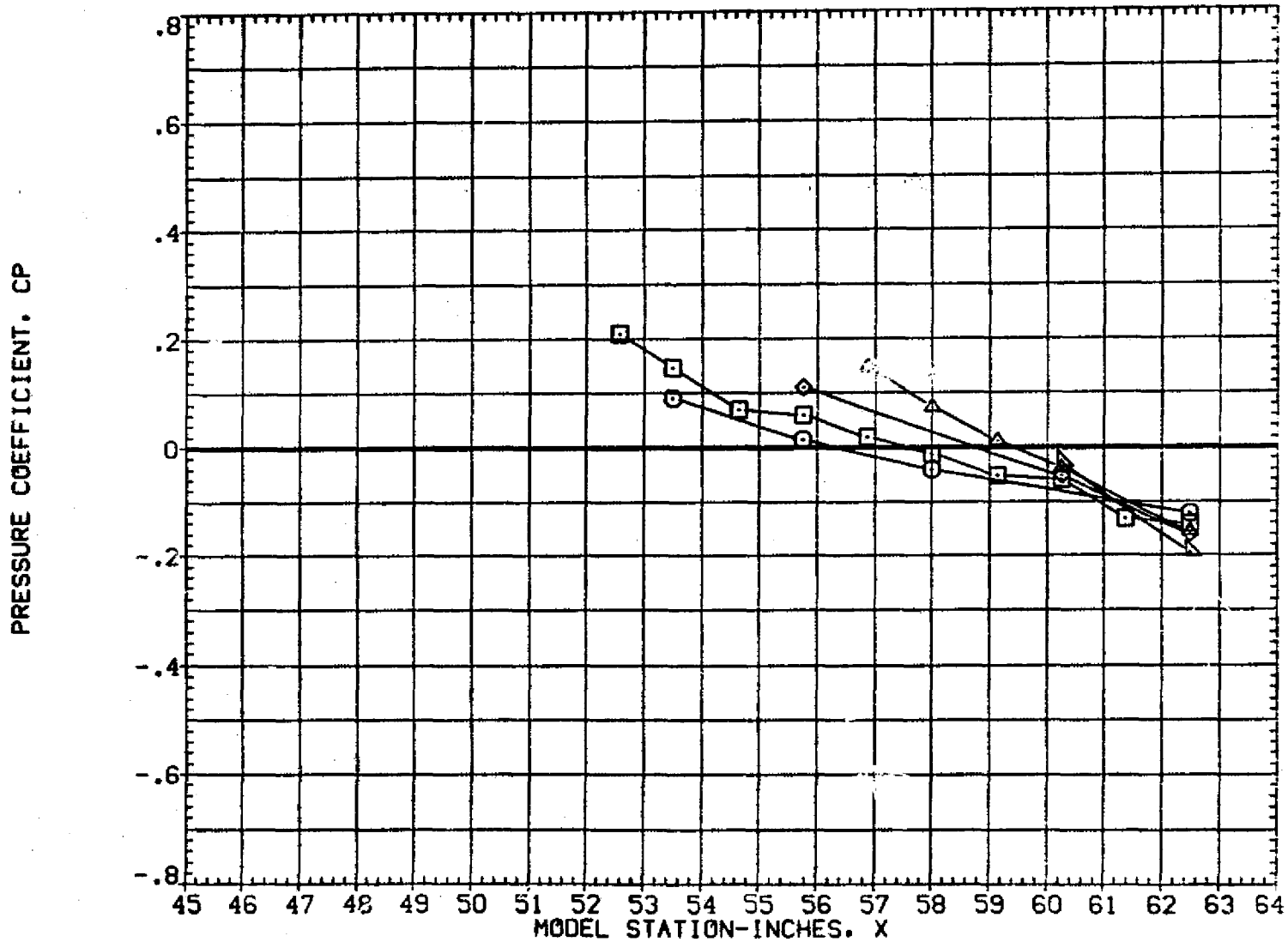


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

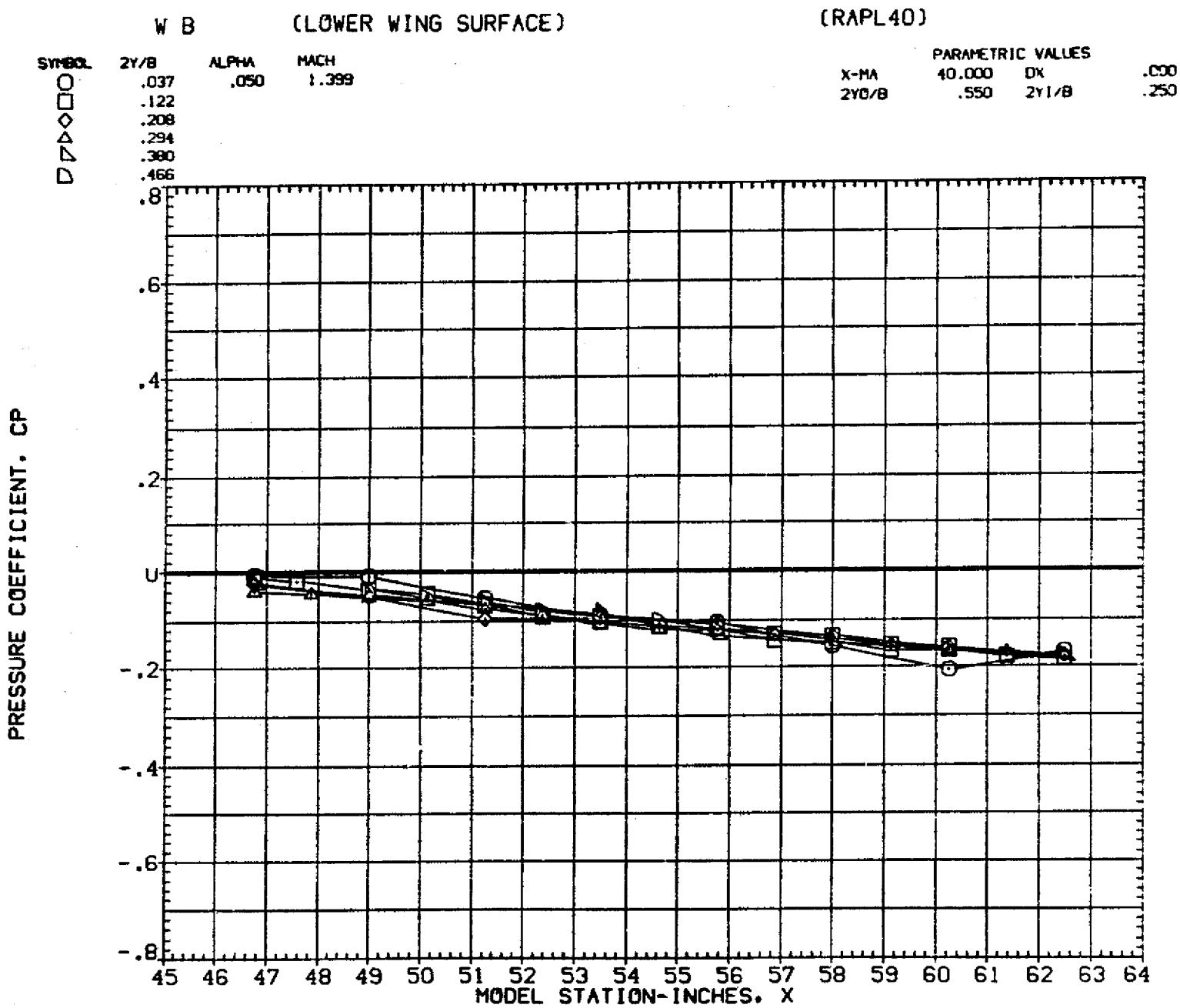


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	.050	1.399
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2YB/B	.550	2Y1/B	.250

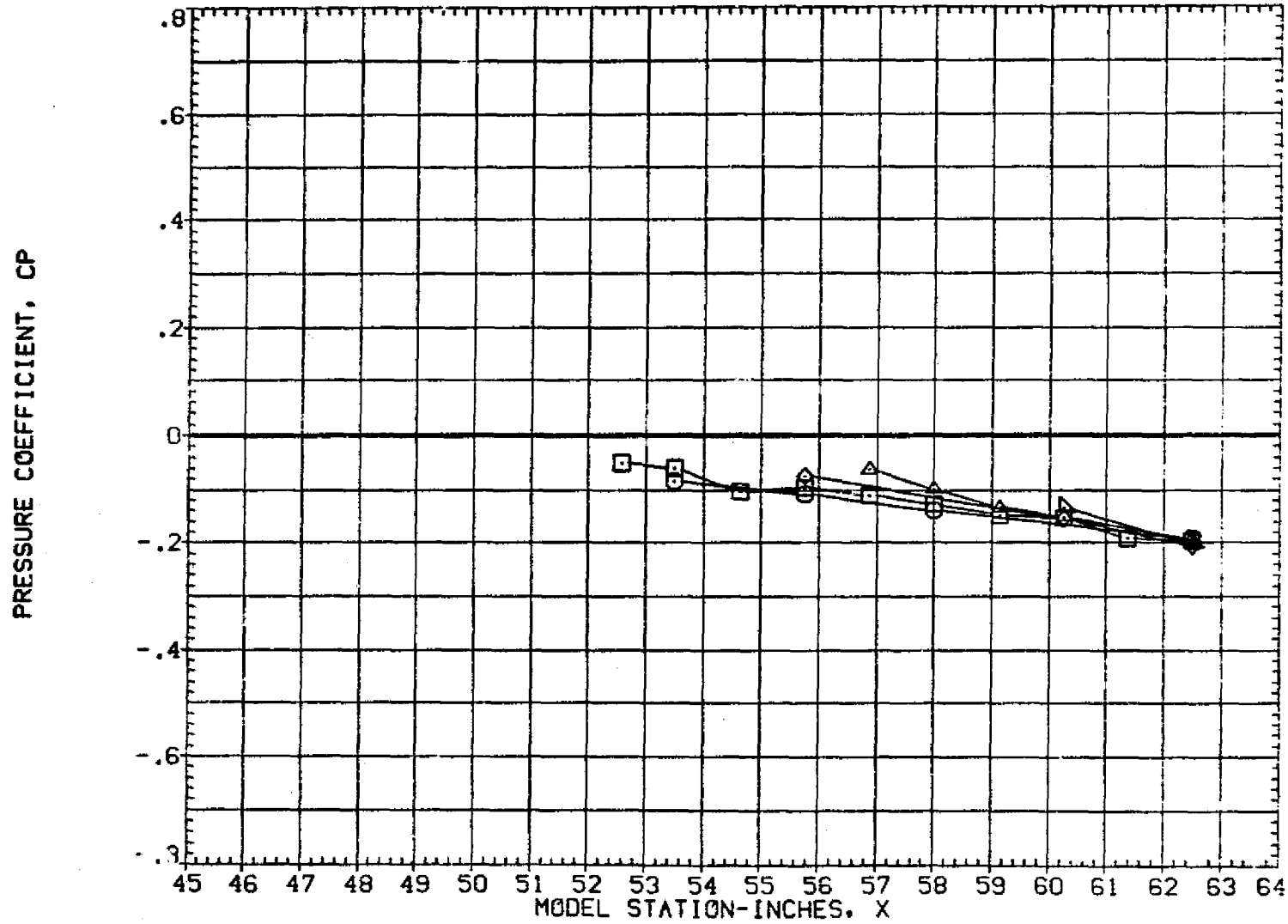


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

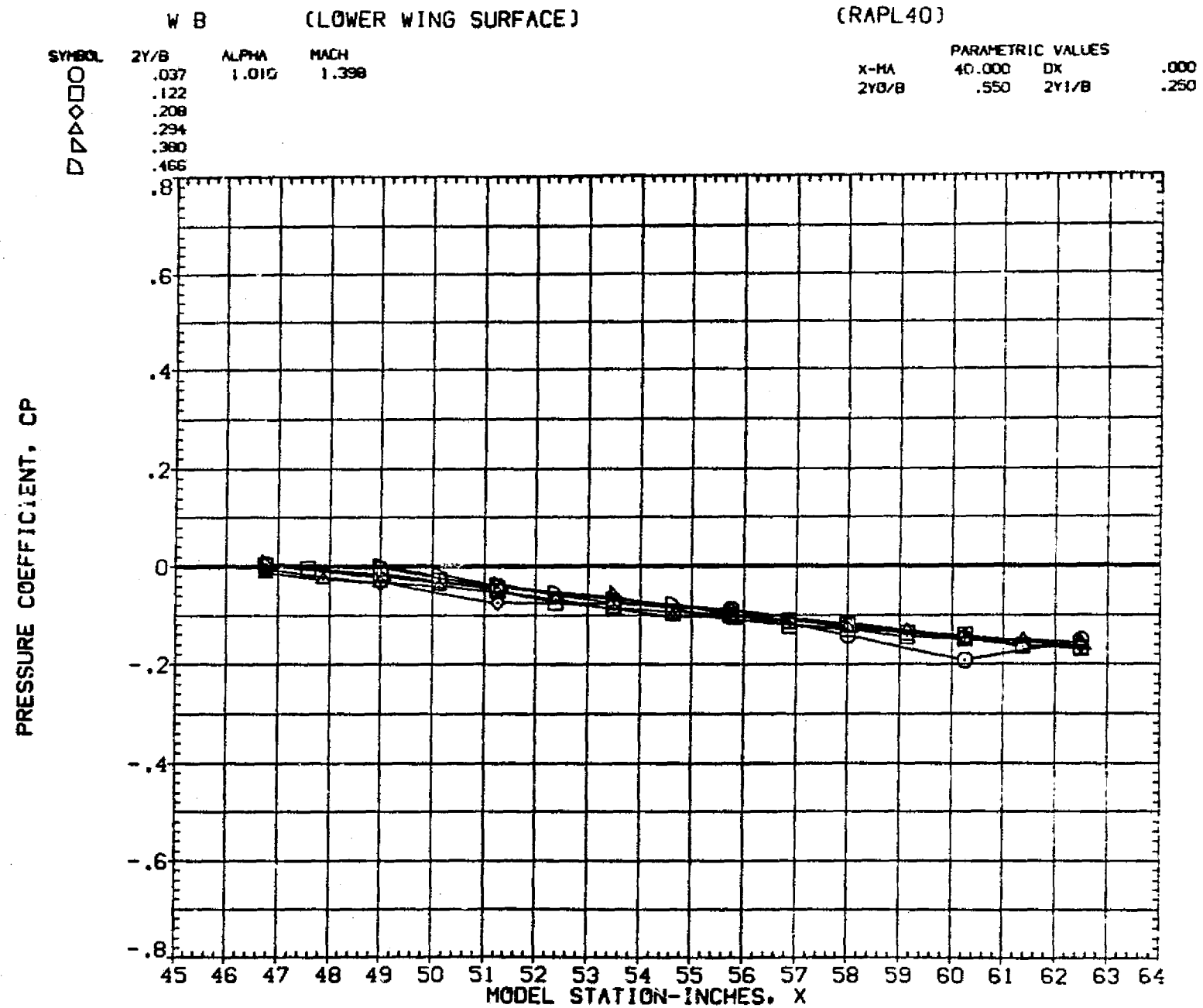


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	1.010	1.398
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

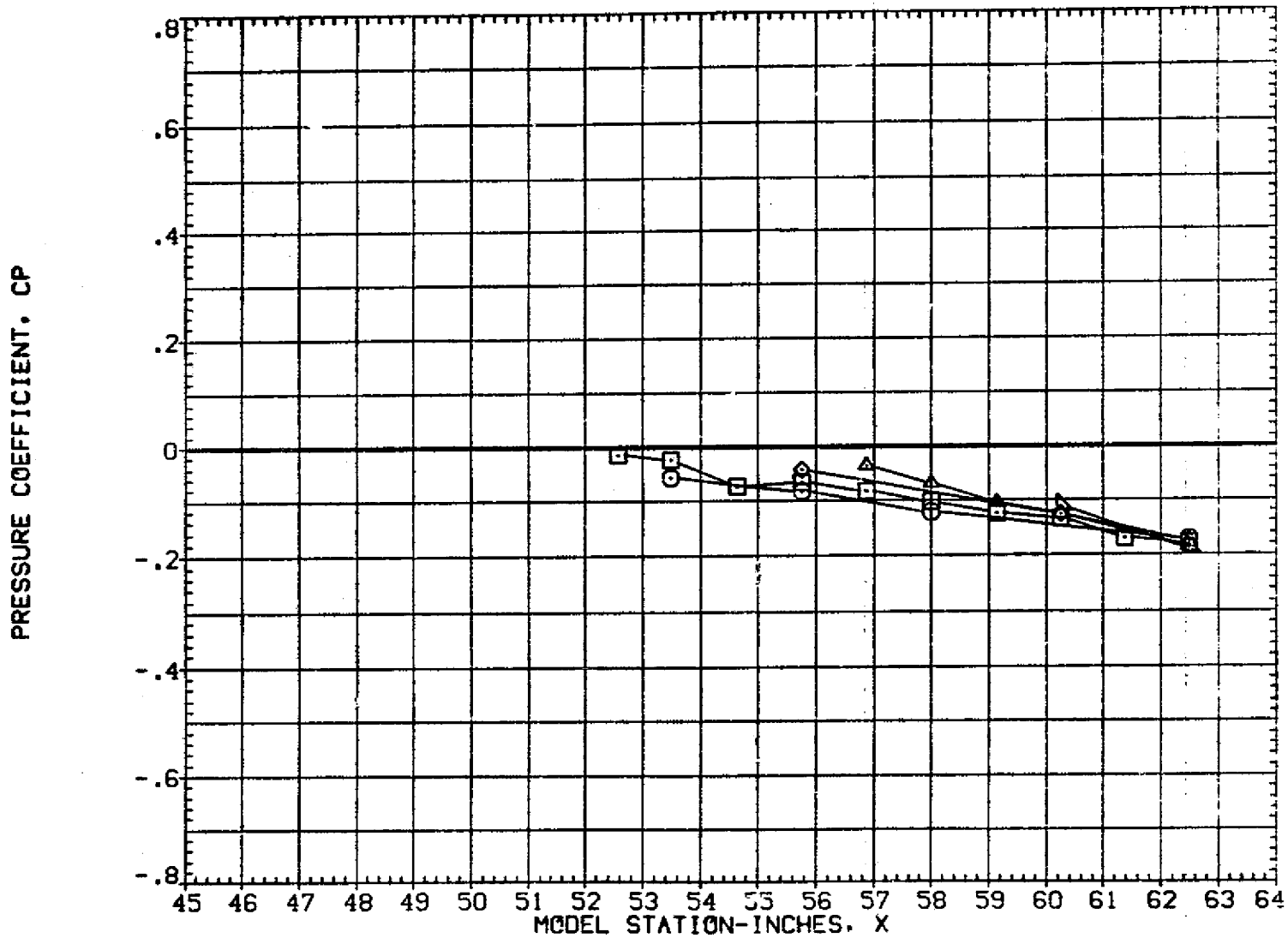


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

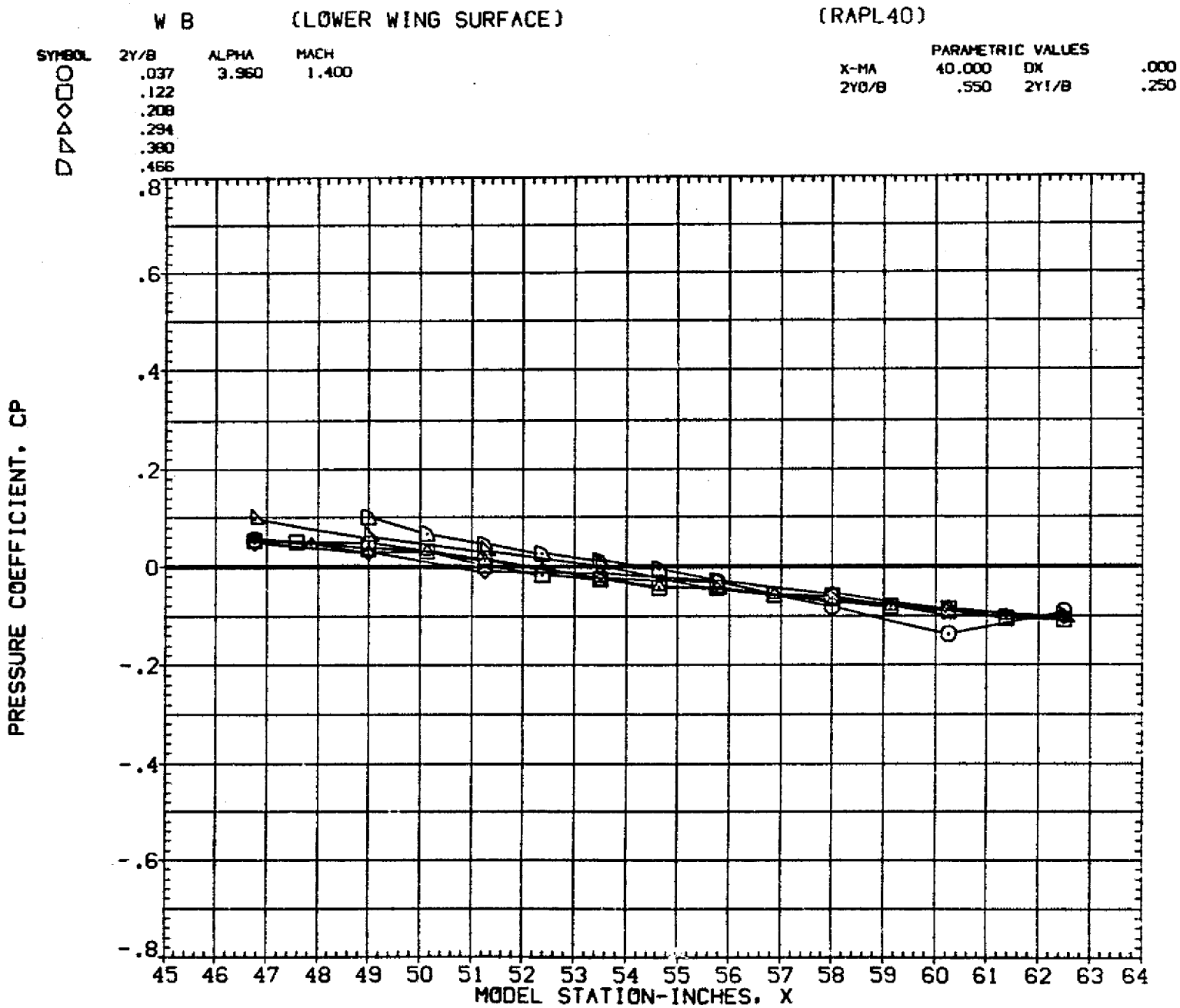


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	3.960	1.400
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

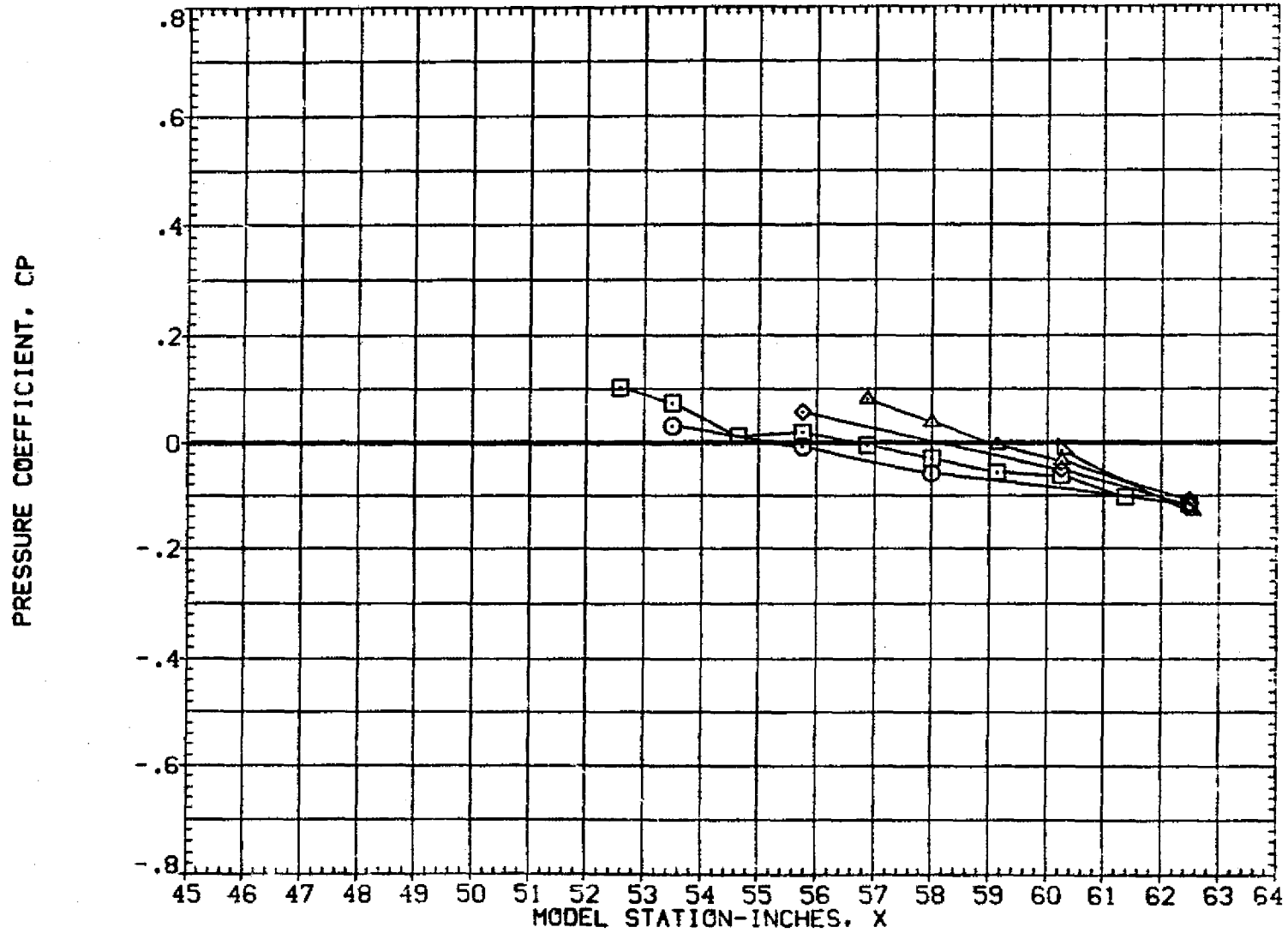


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

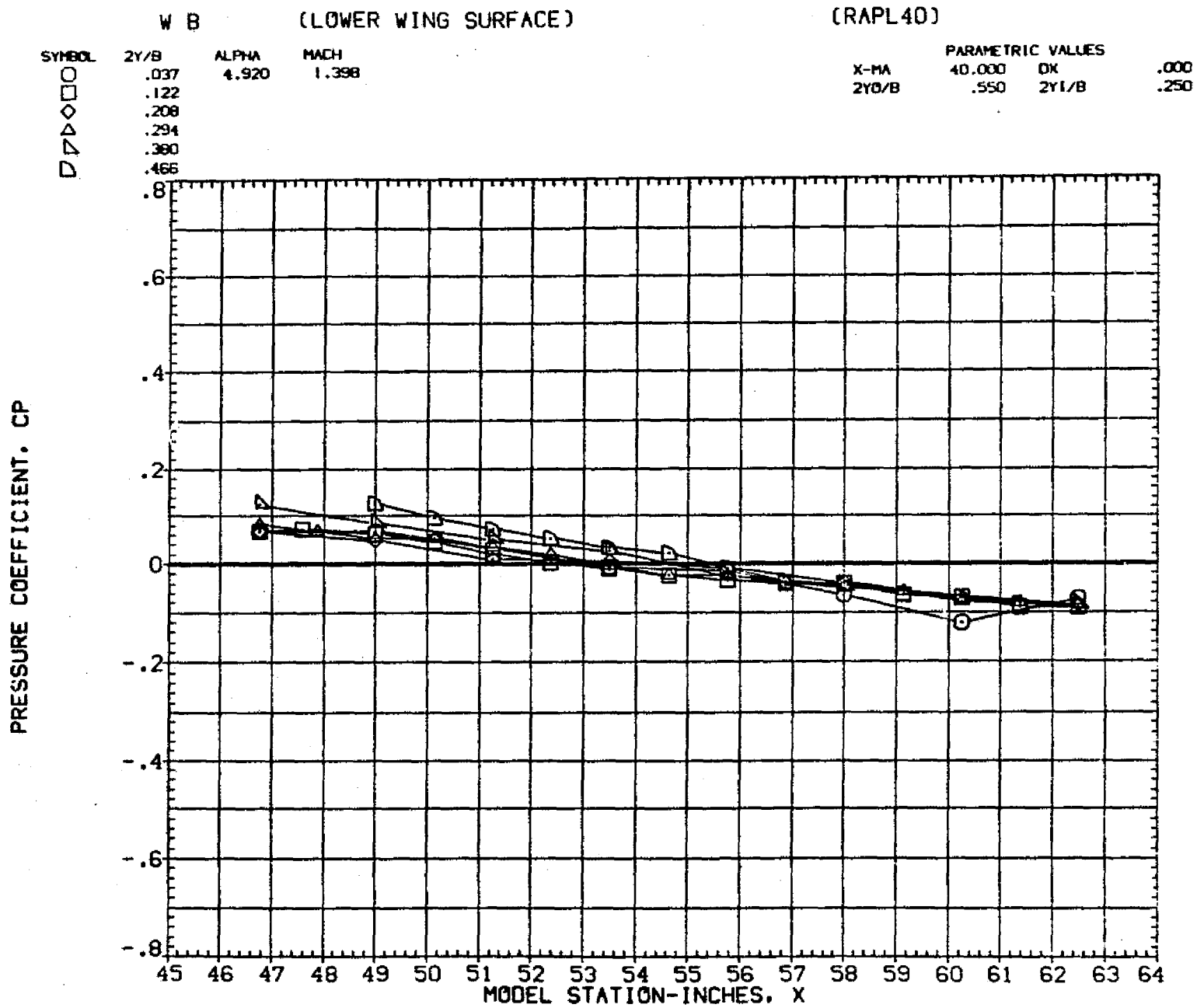


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	4.920	1.399
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2YO/B	.550	2Y1/B	.250

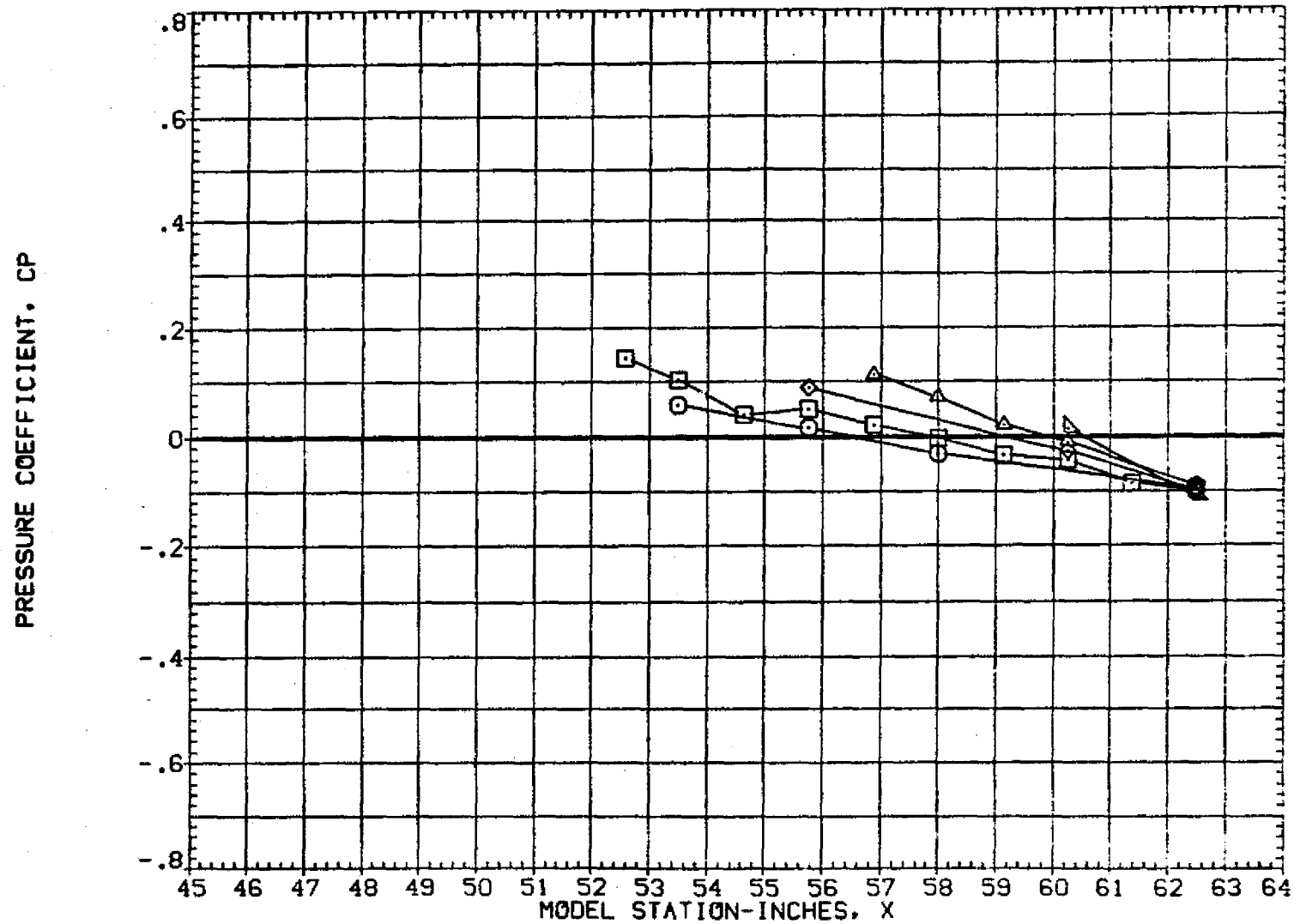


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

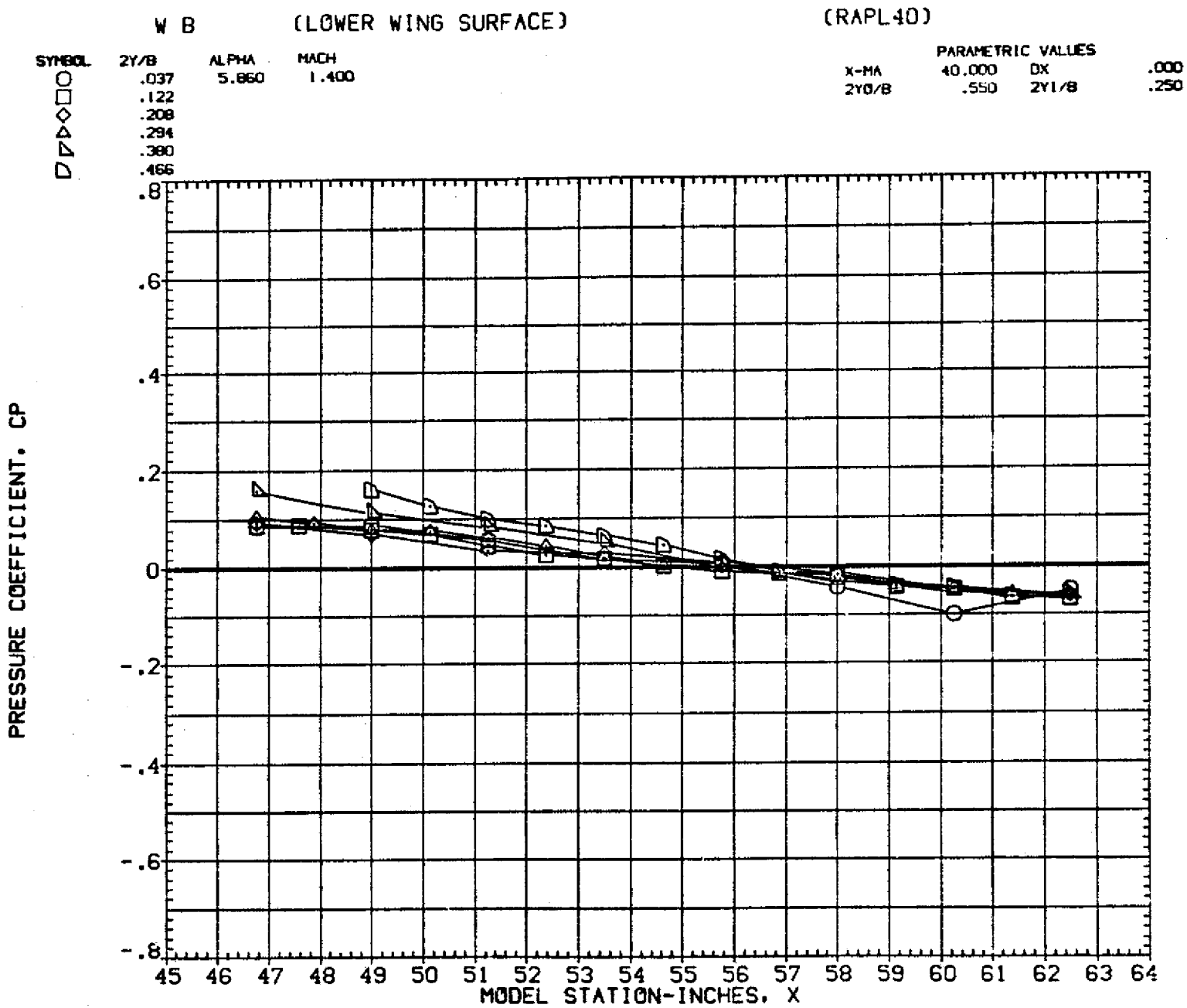


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (RAPL40)

SYMBOL	2Y/B	ALPHA	MACH
○	.551	5.860	1.400
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

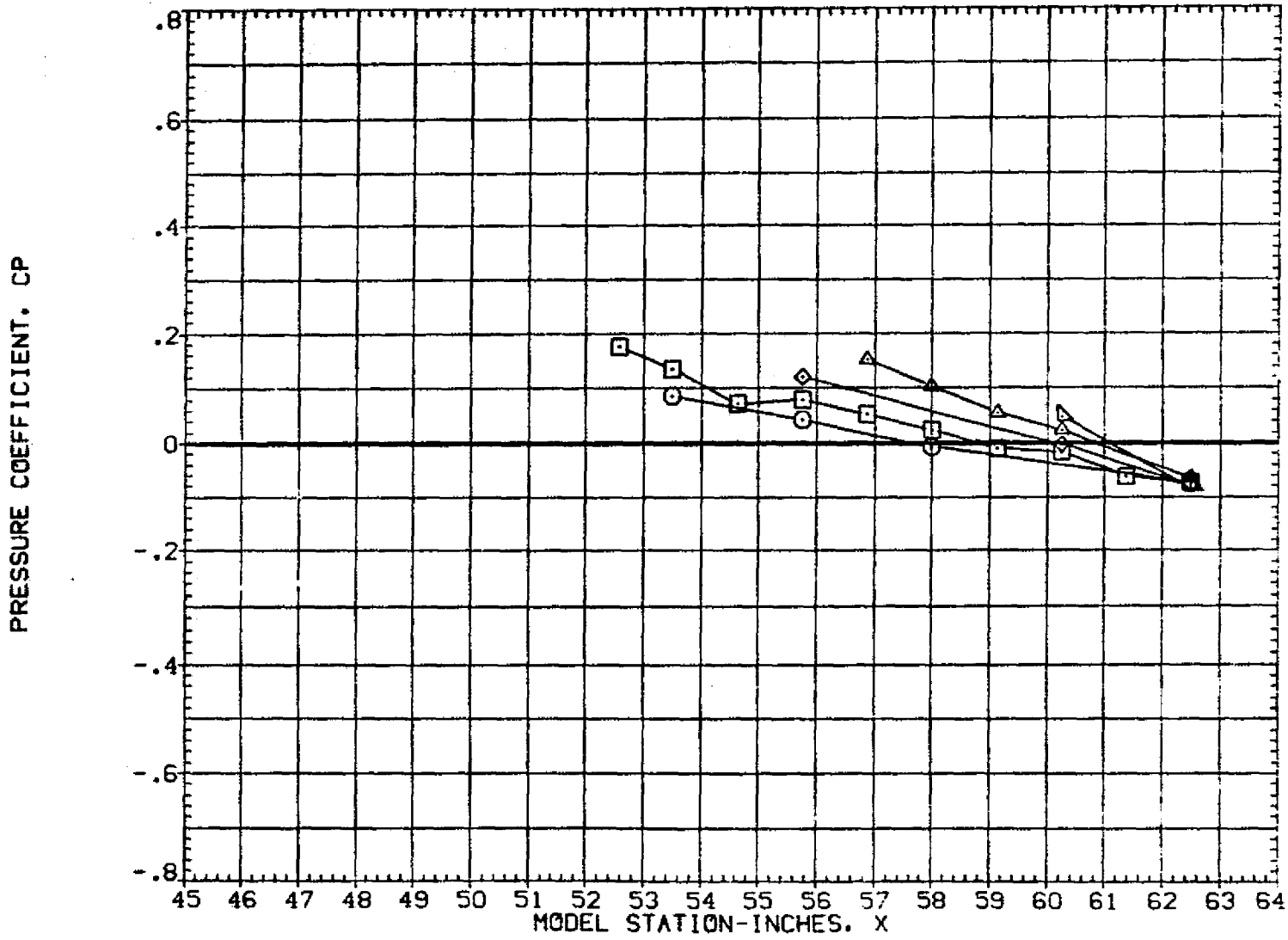


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

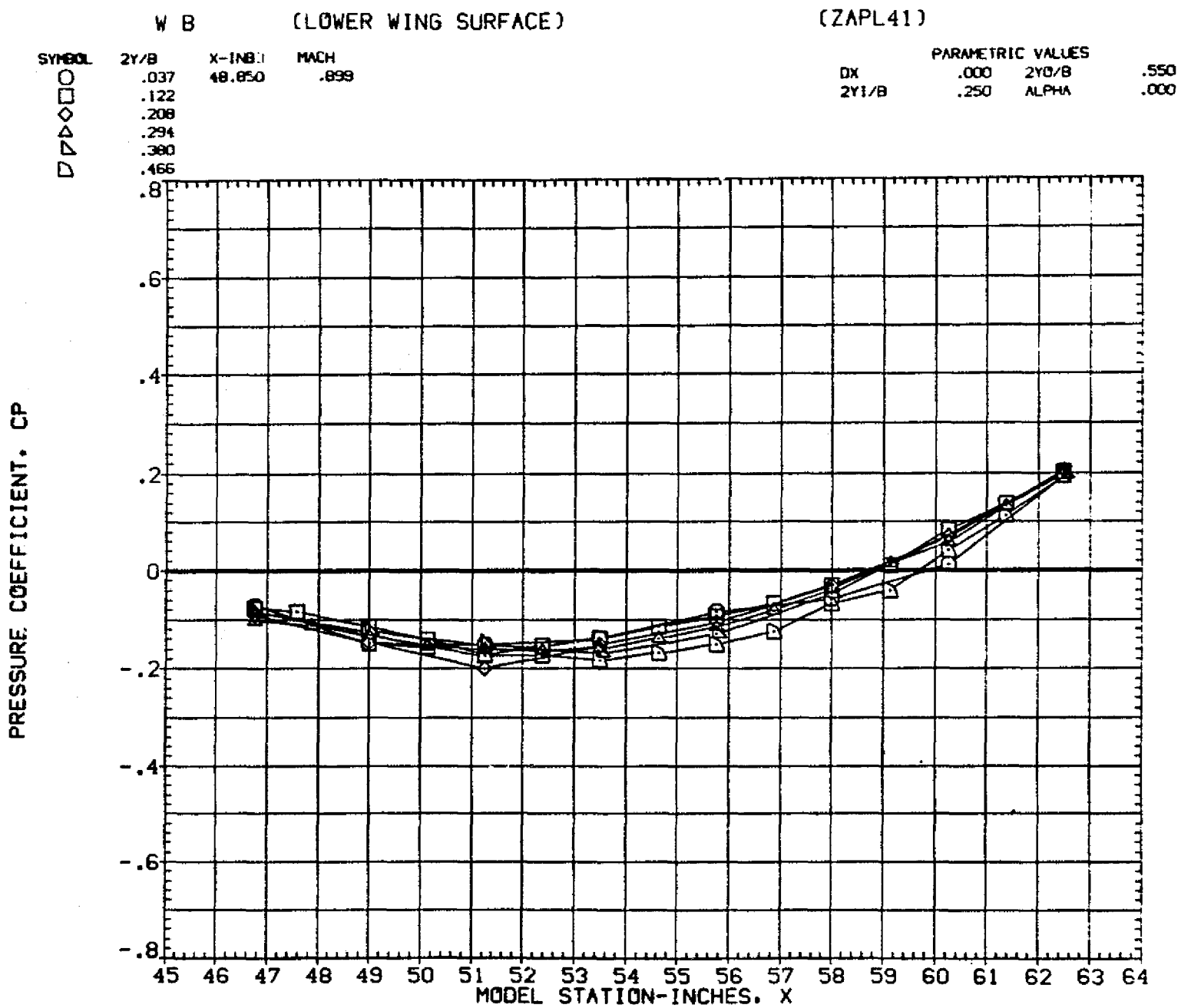


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.850	.899
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

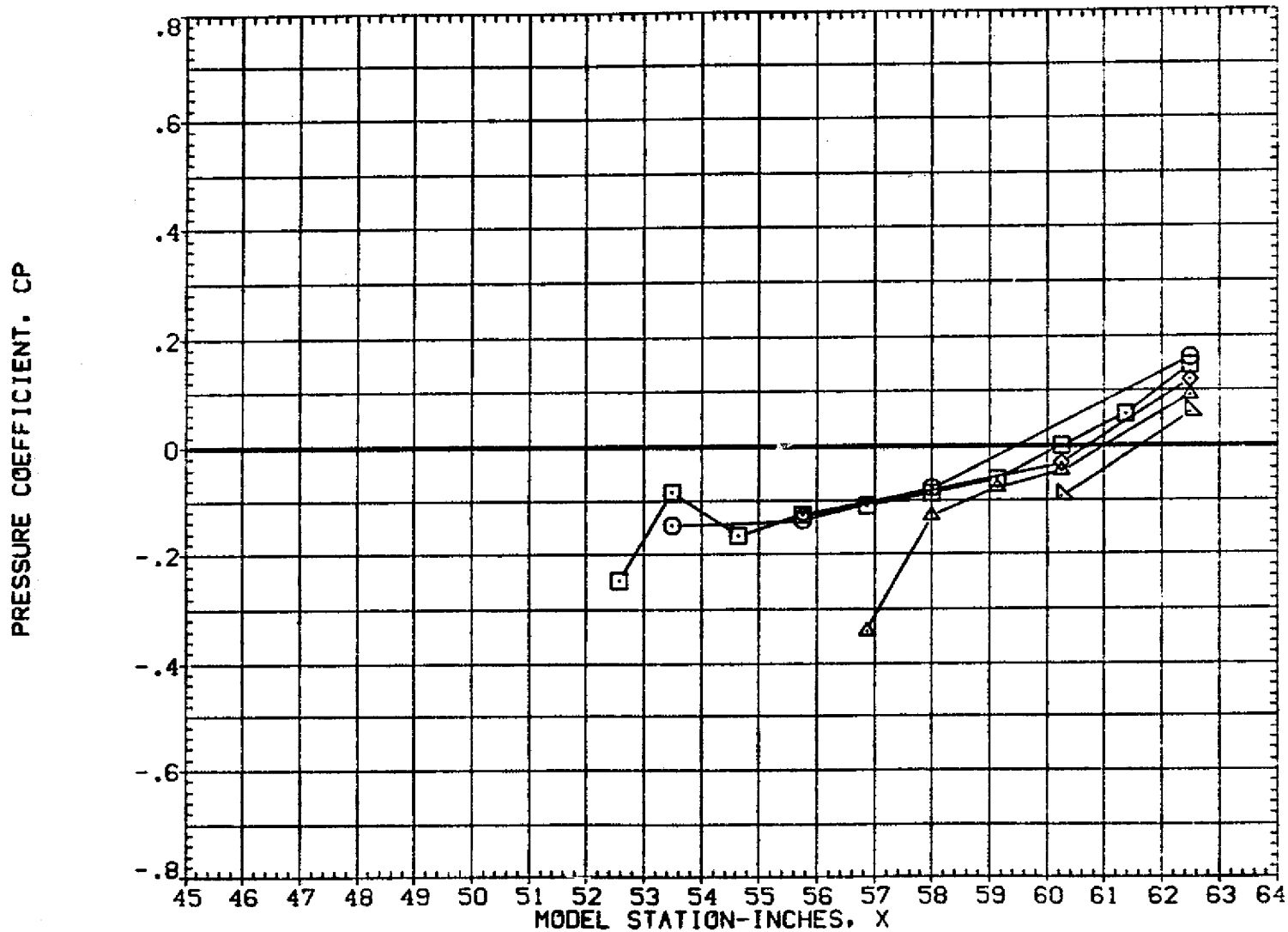


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

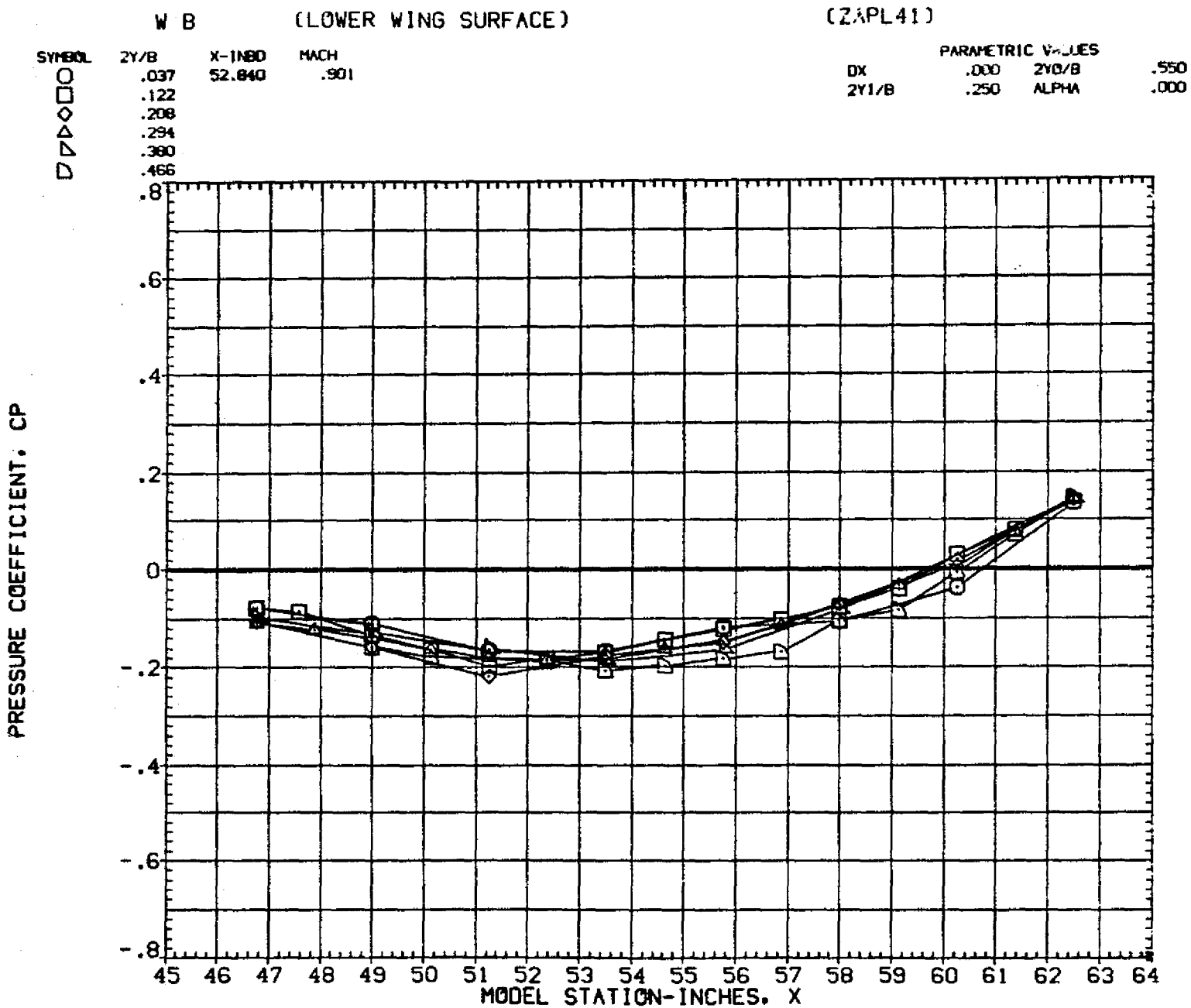


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	52.840	.901
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DN	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

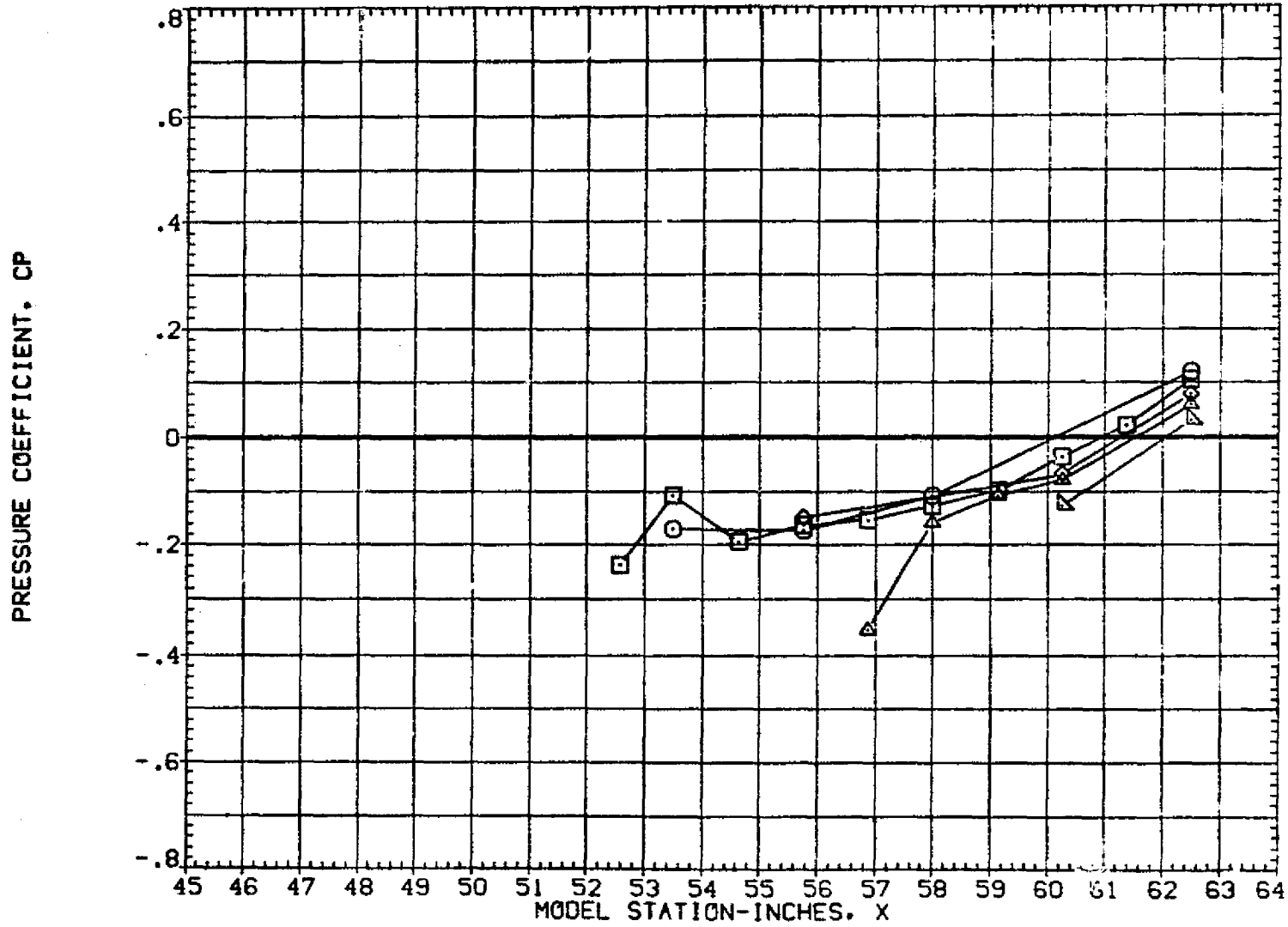


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

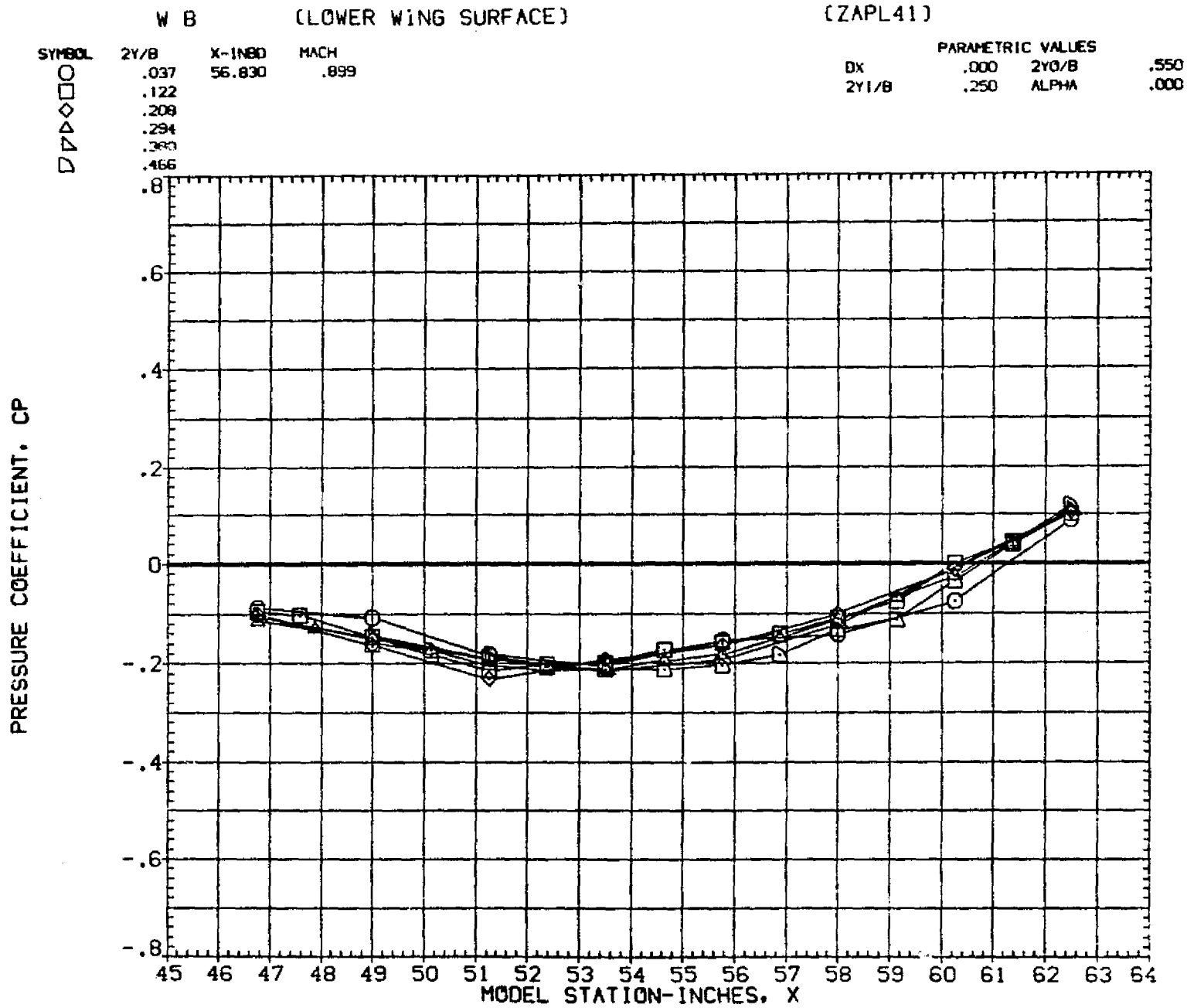


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-IN30	MACH
○	.551	56.830	.899
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

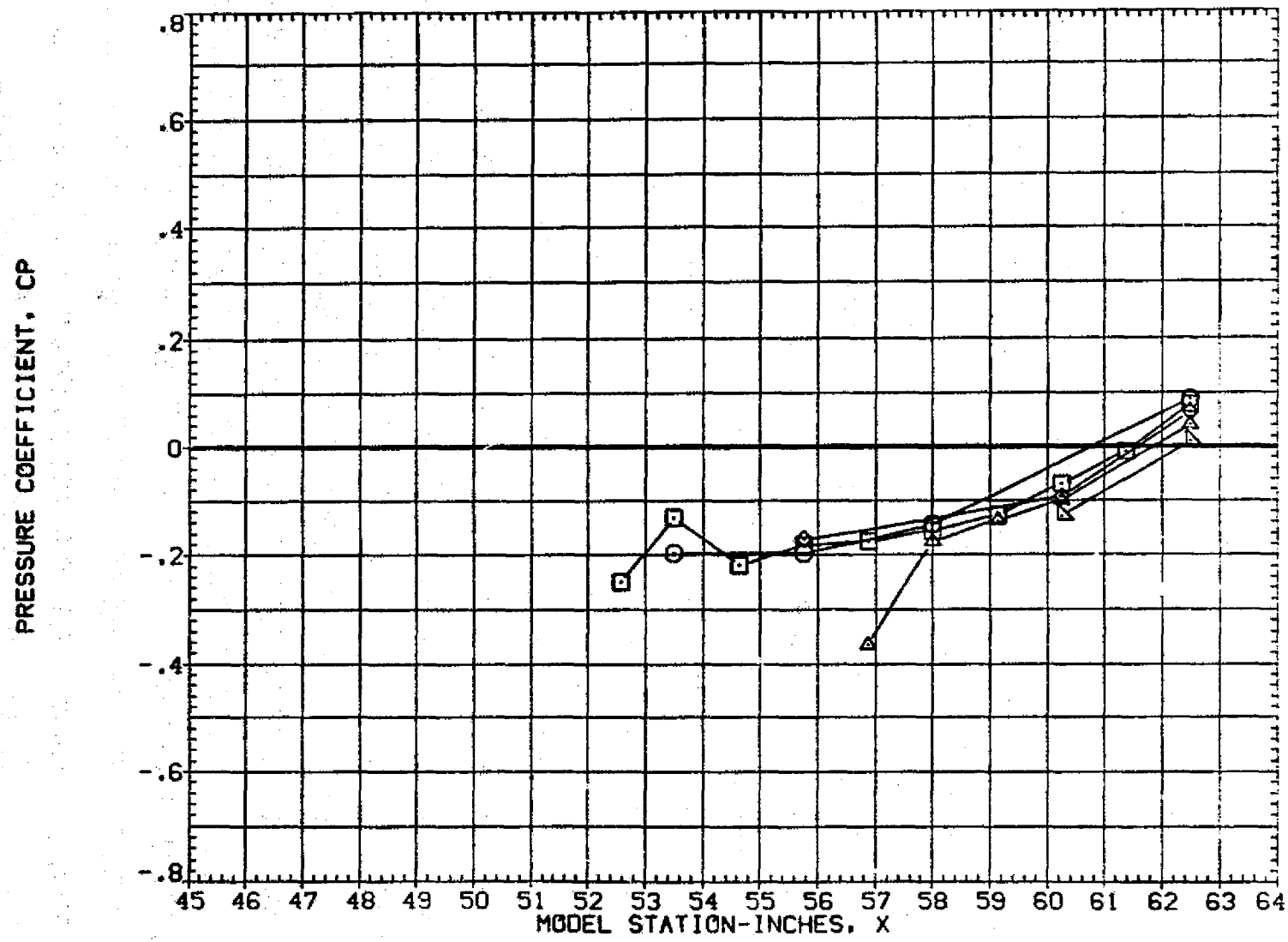


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

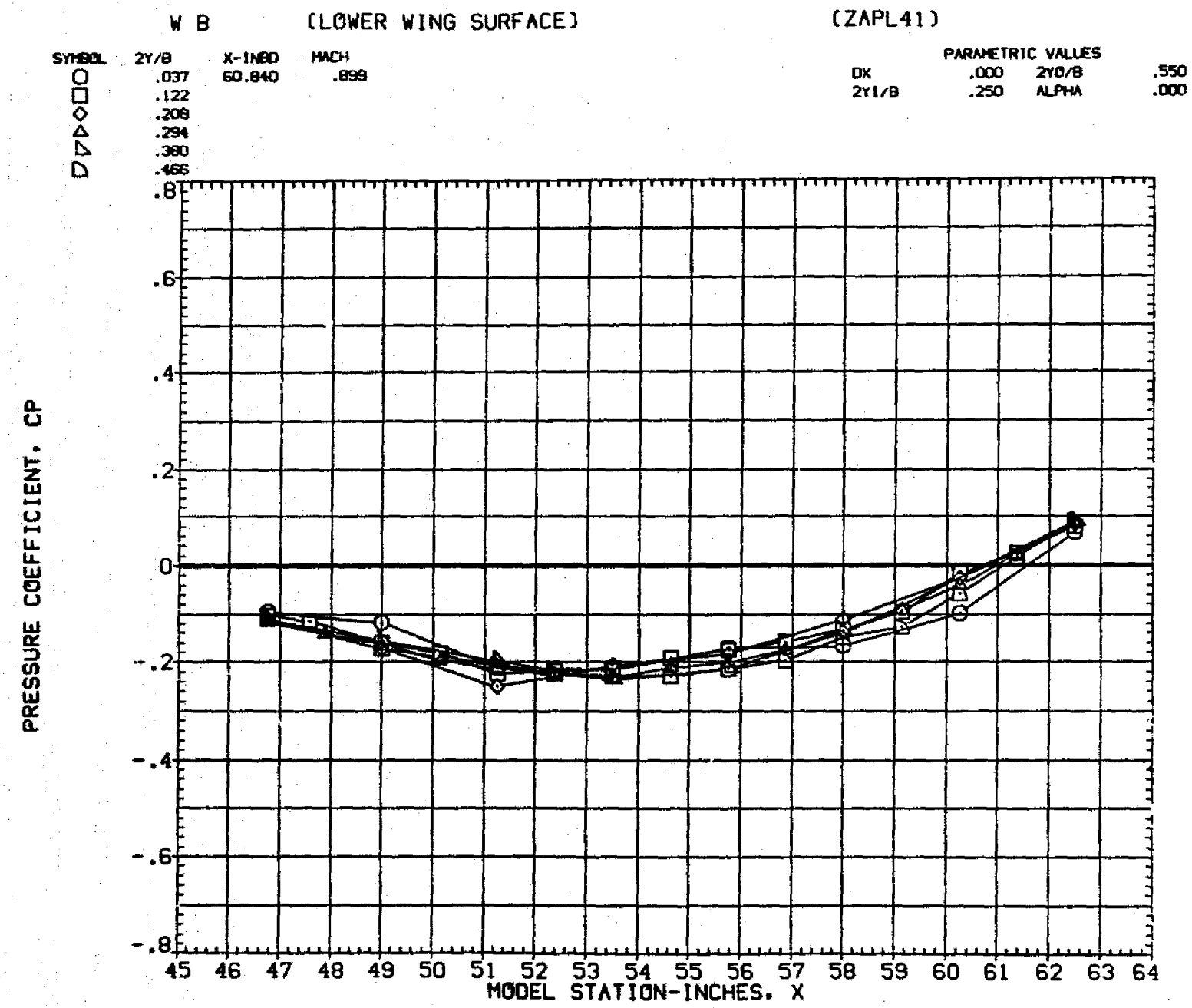


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	60.840	.899
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.55[illegible]
2Y1/B	.250	ALPHA	.0[illegible]

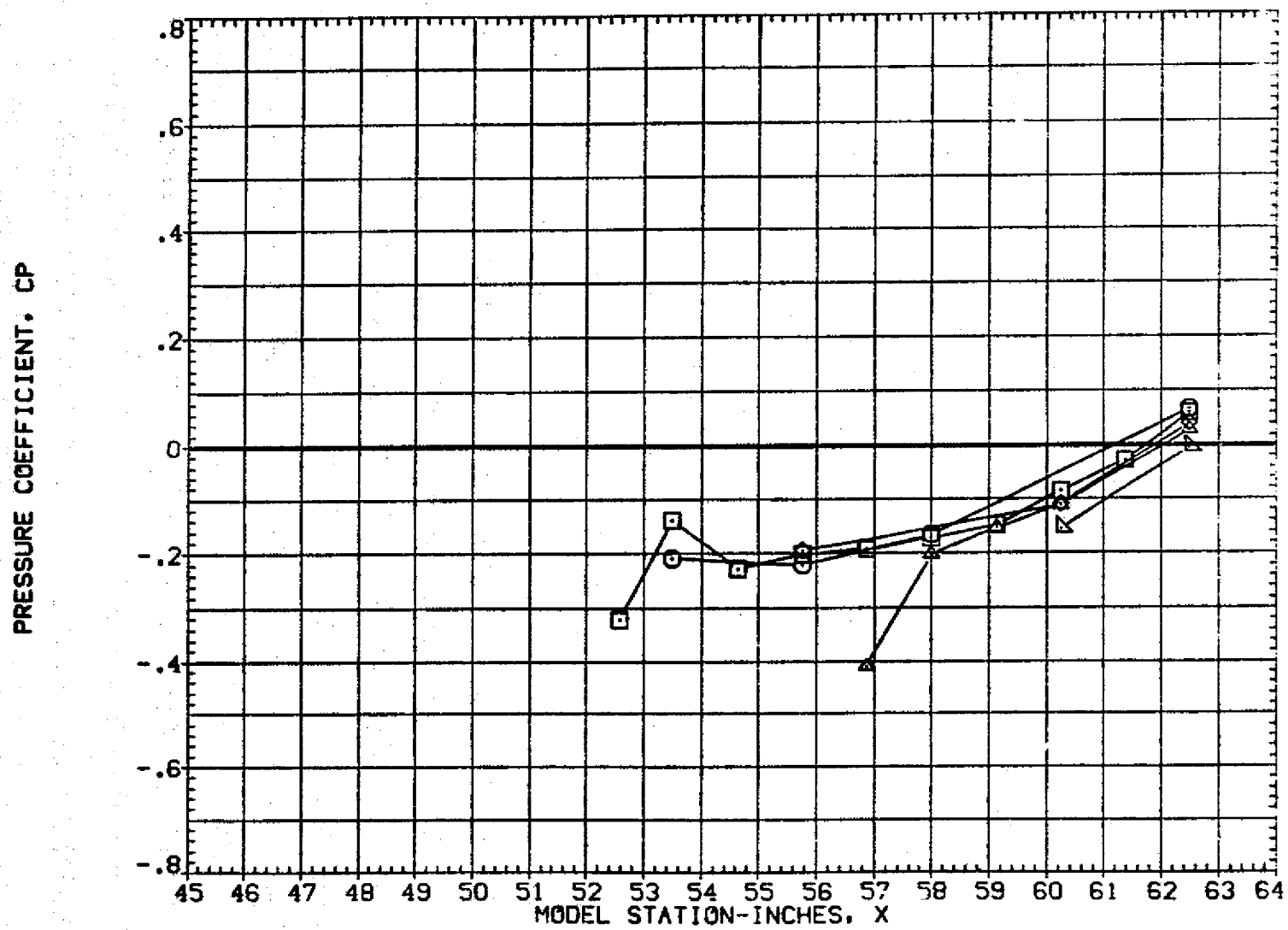


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

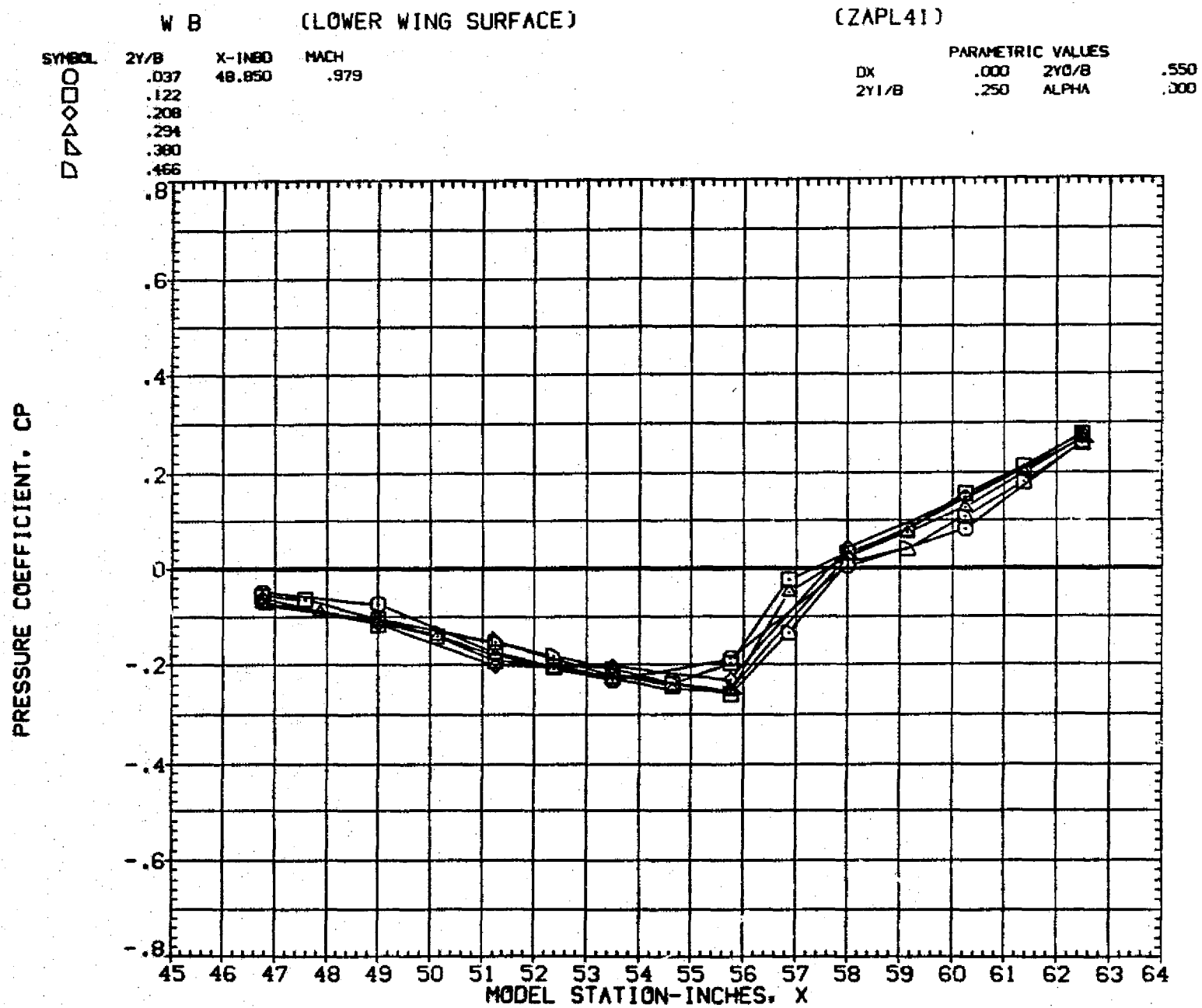


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.850	.979
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

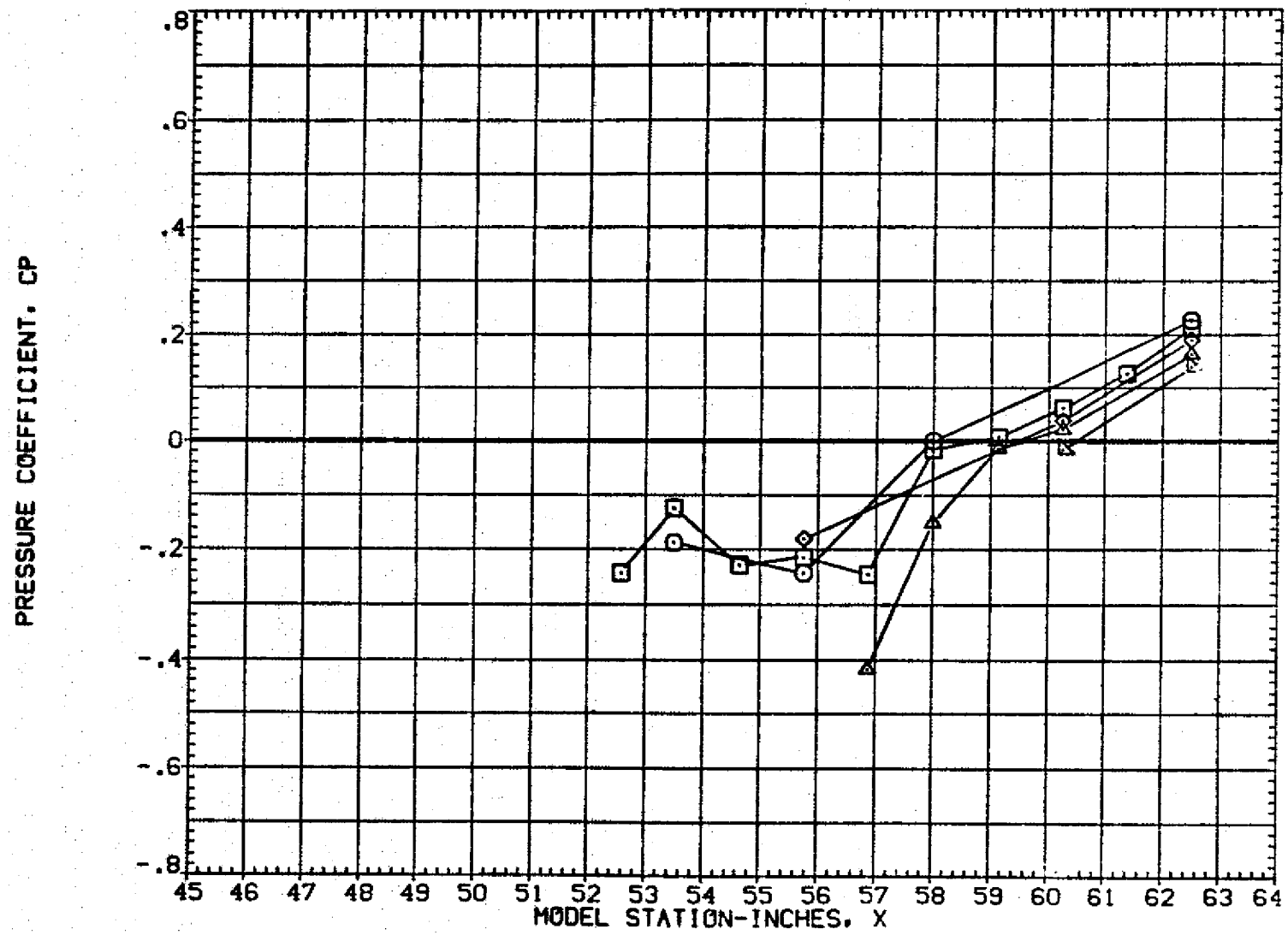


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

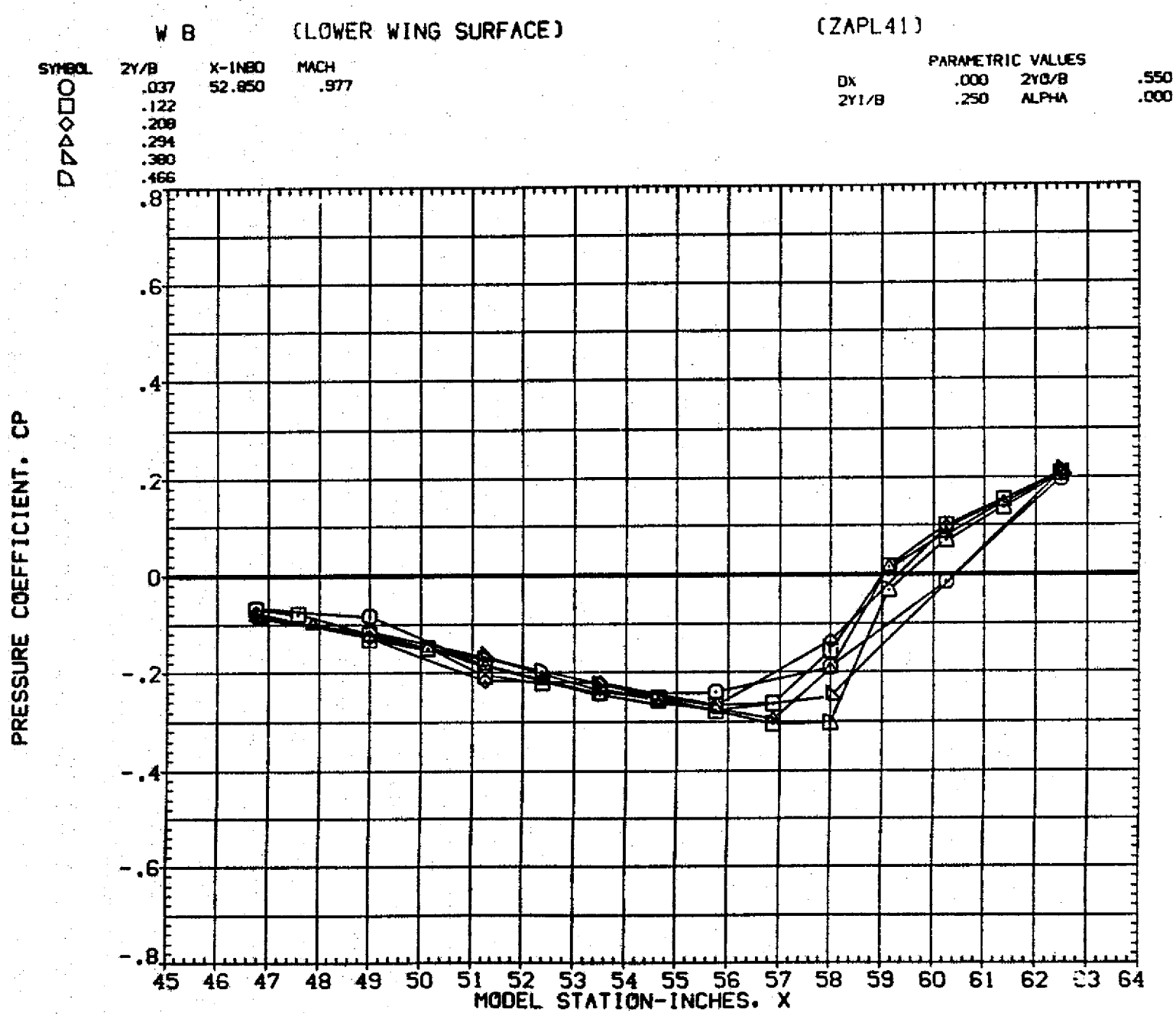


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

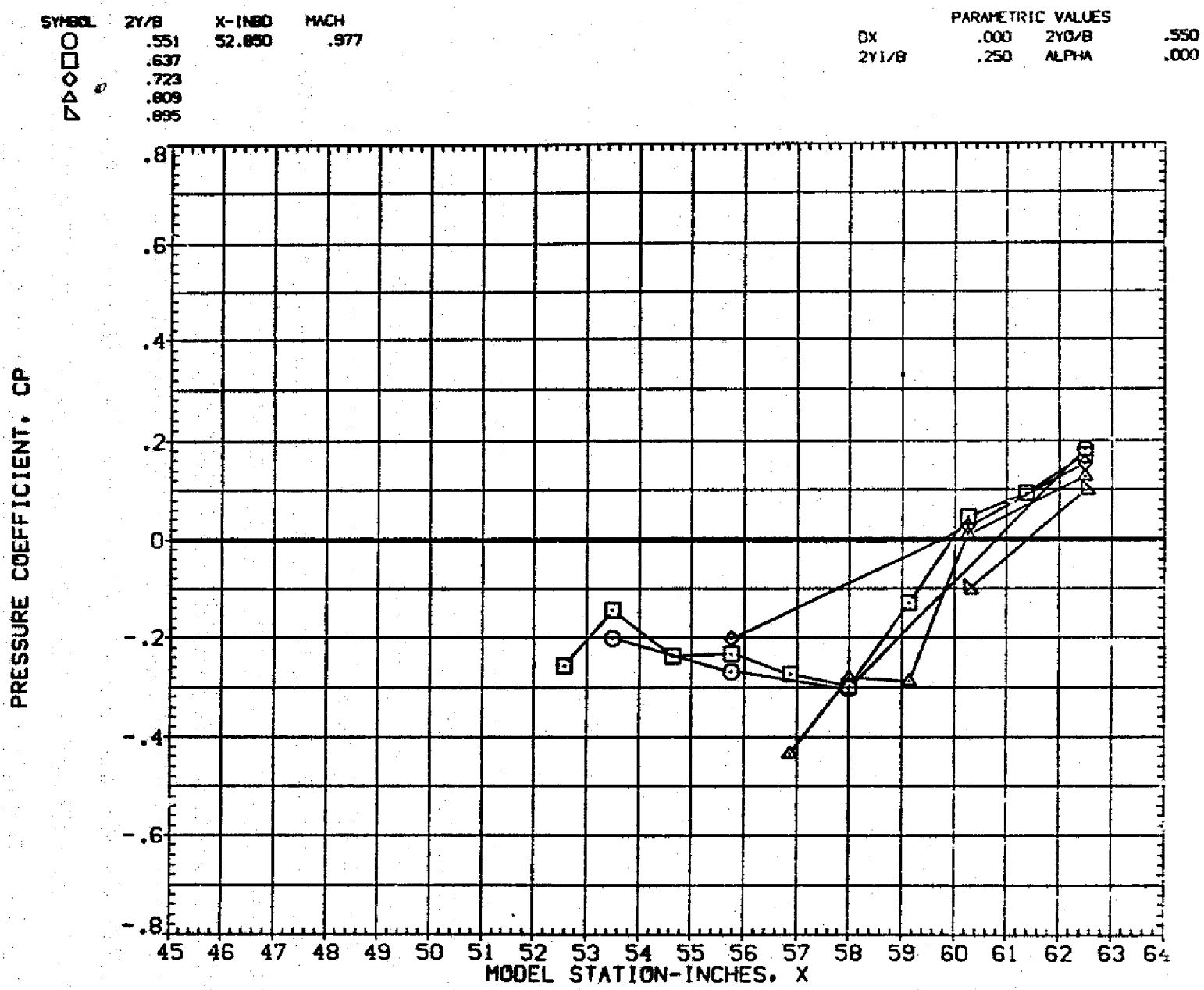


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

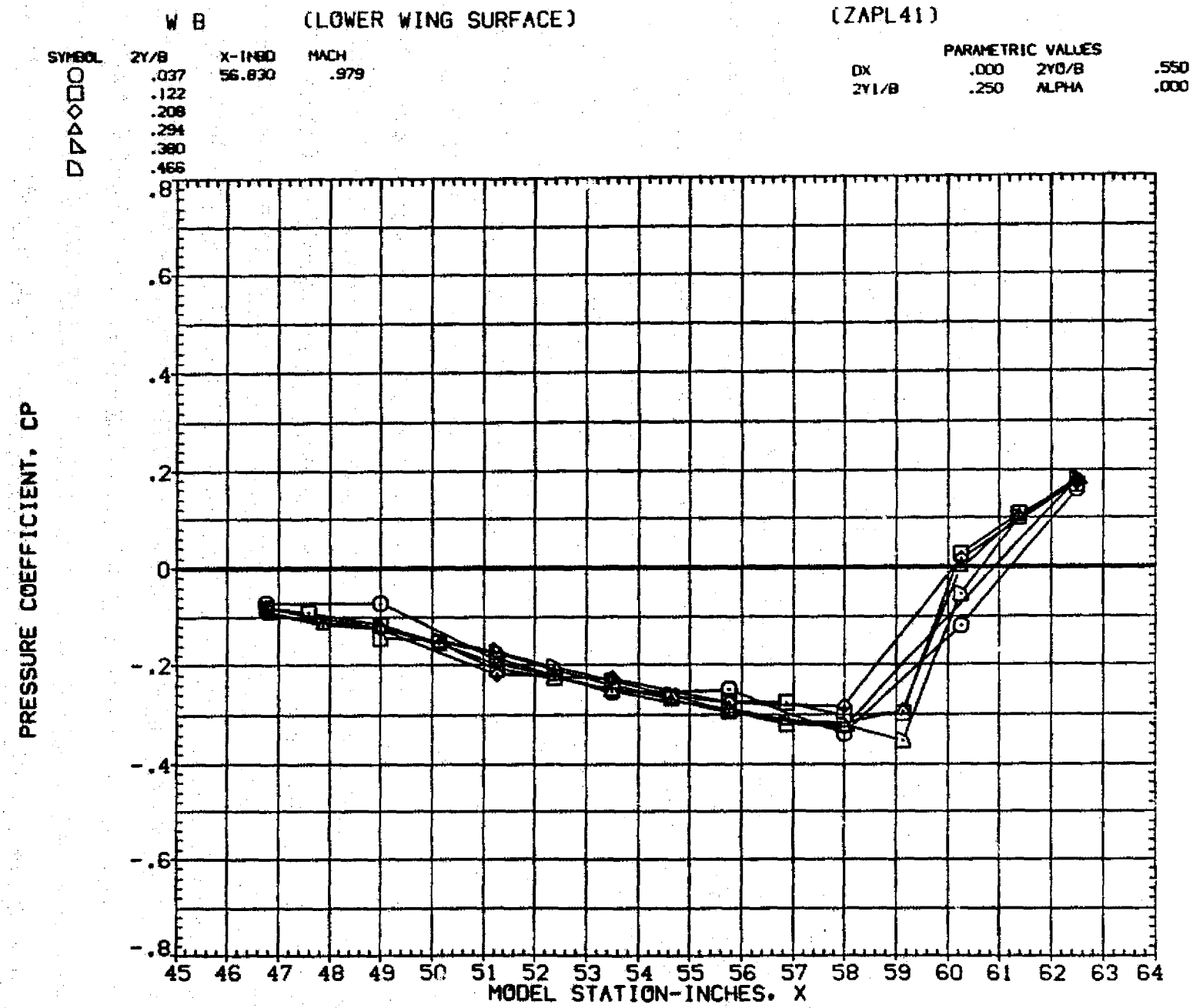


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.830	.979
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

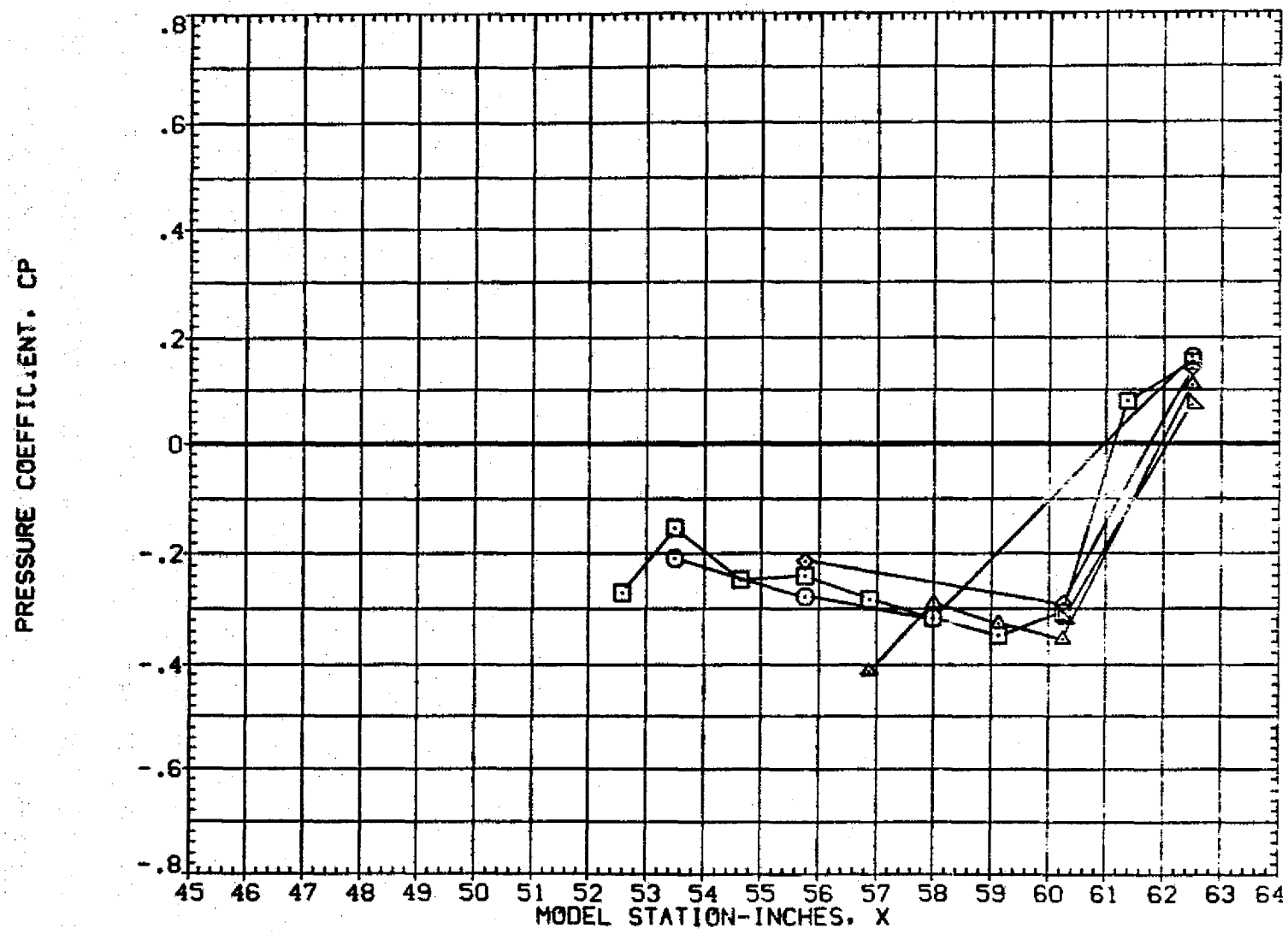


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

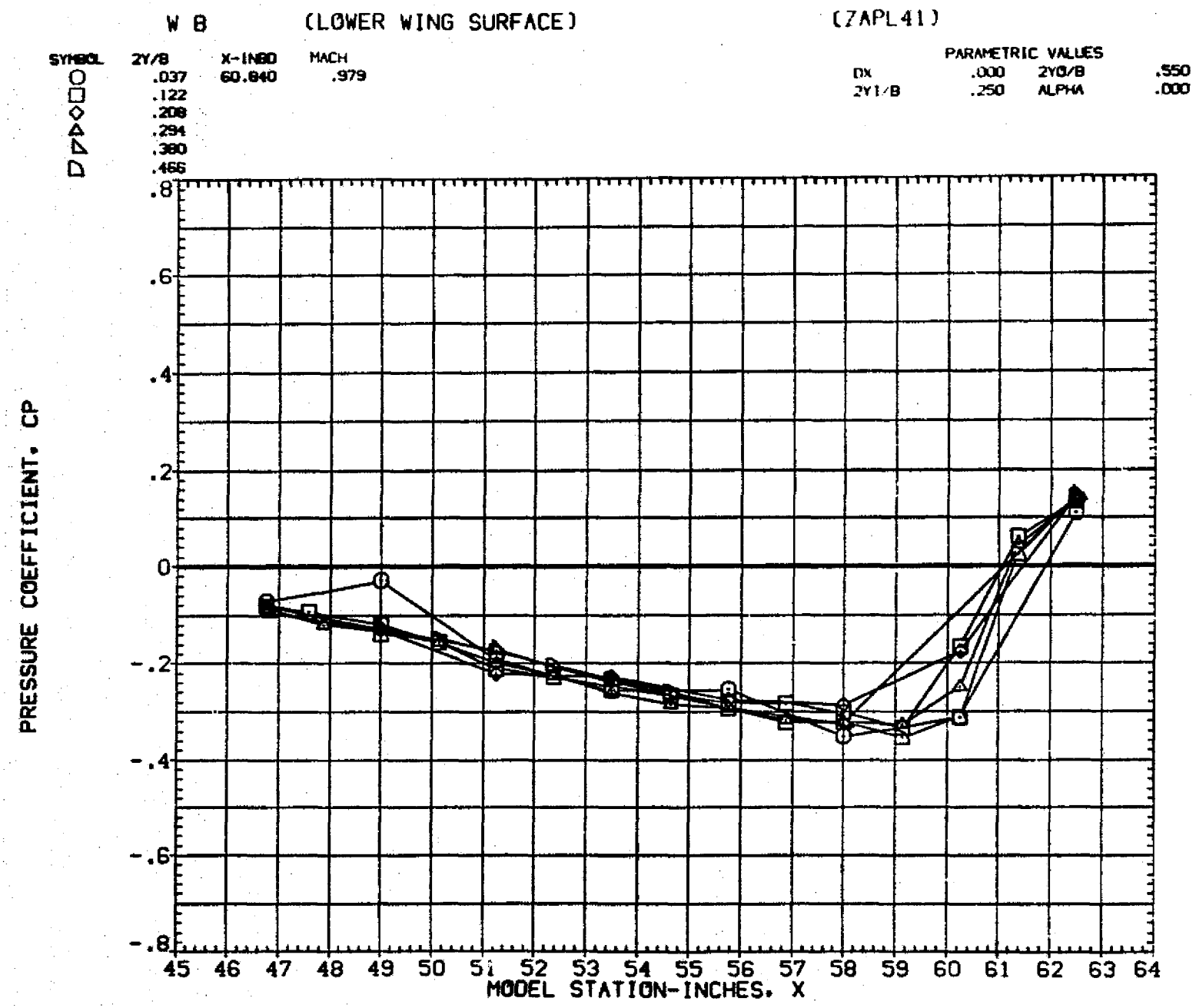


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

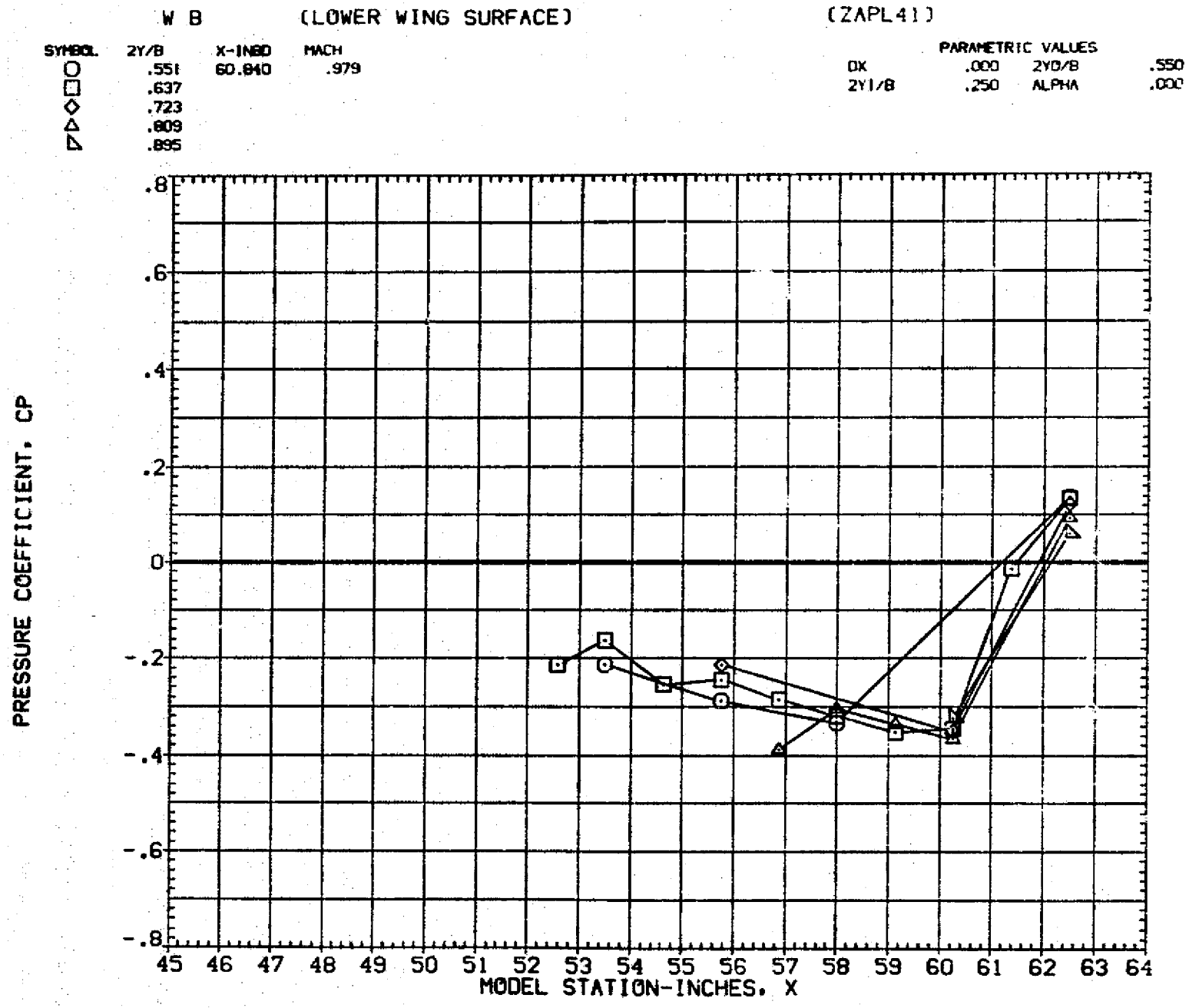


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

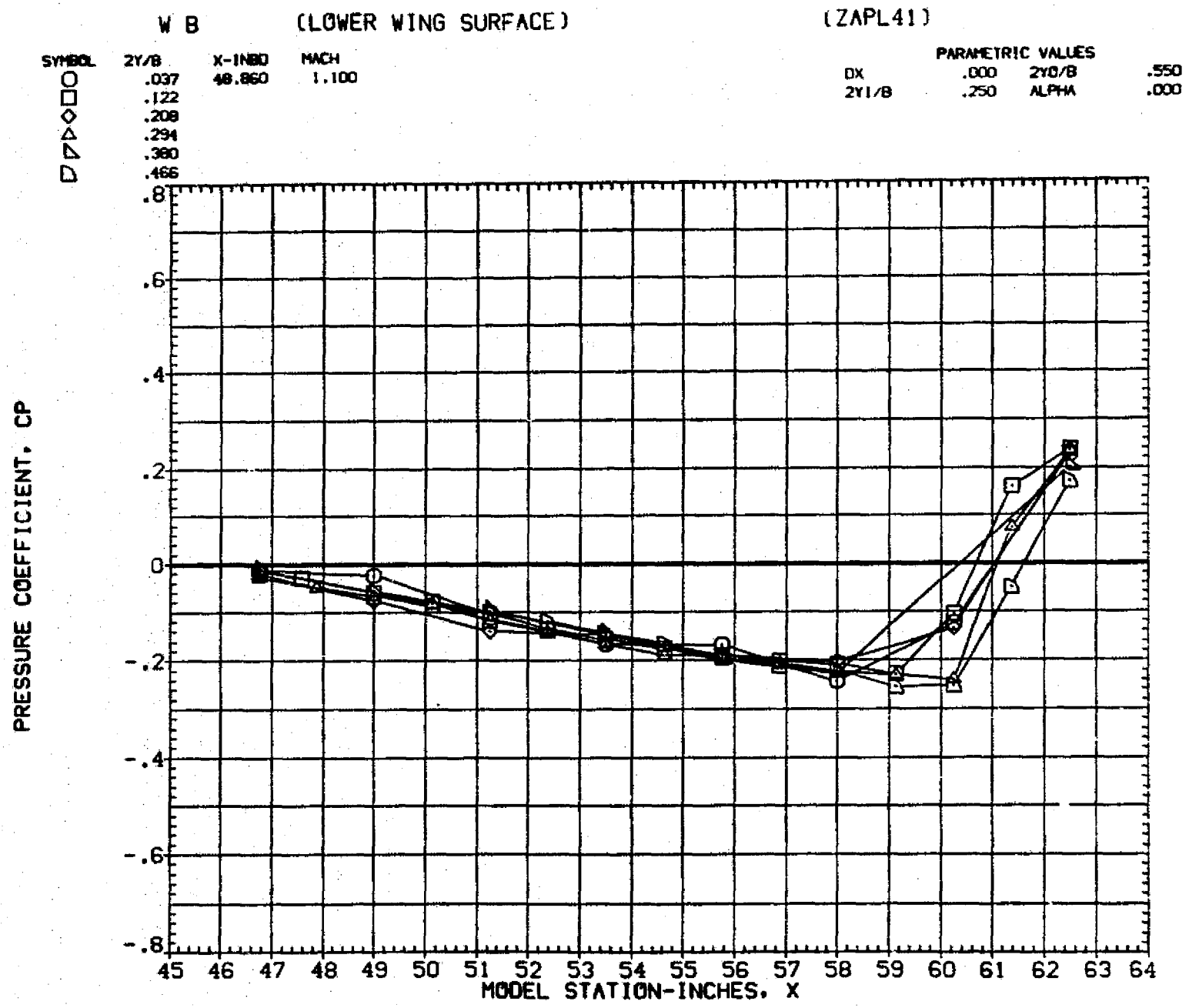


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

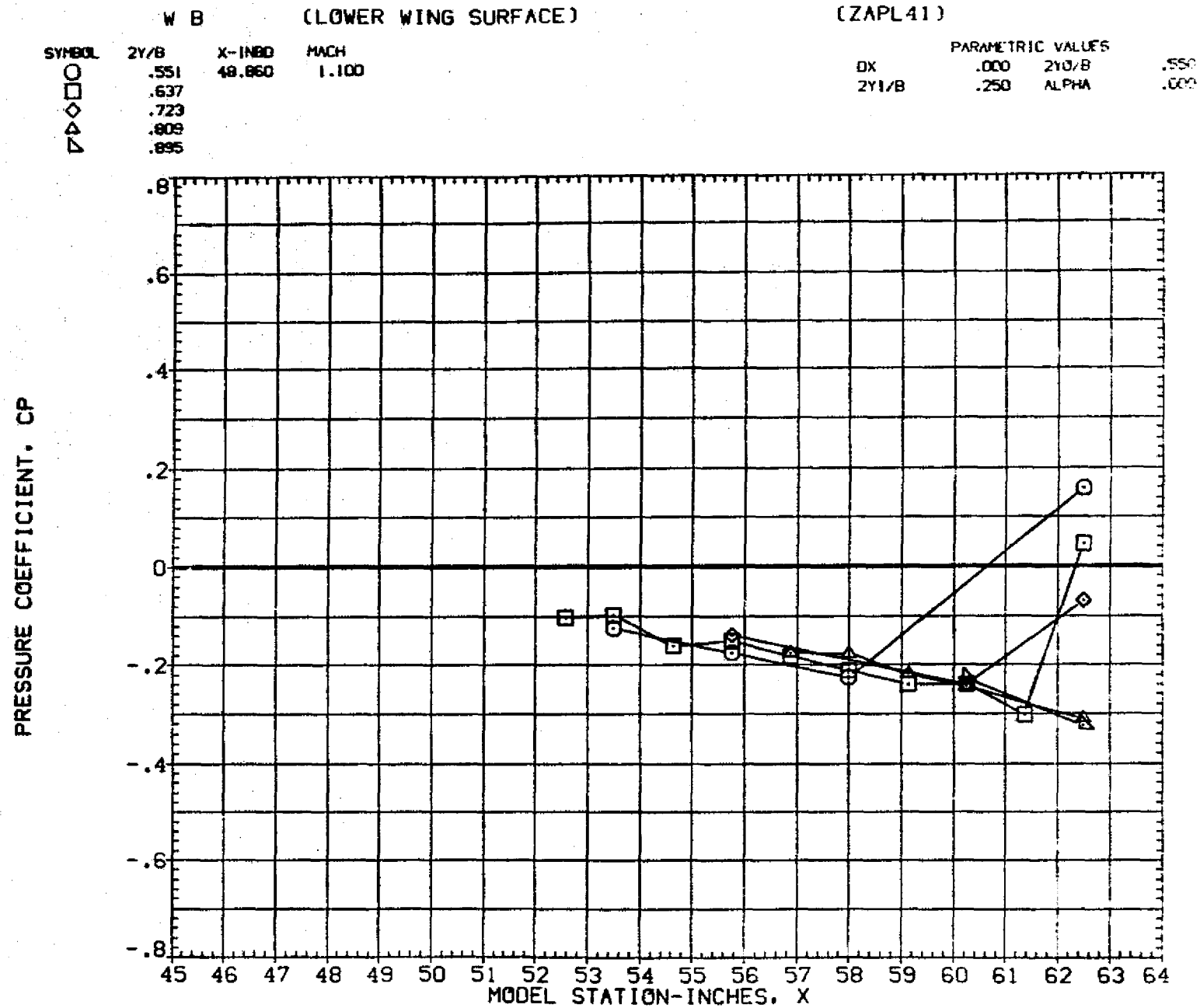


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

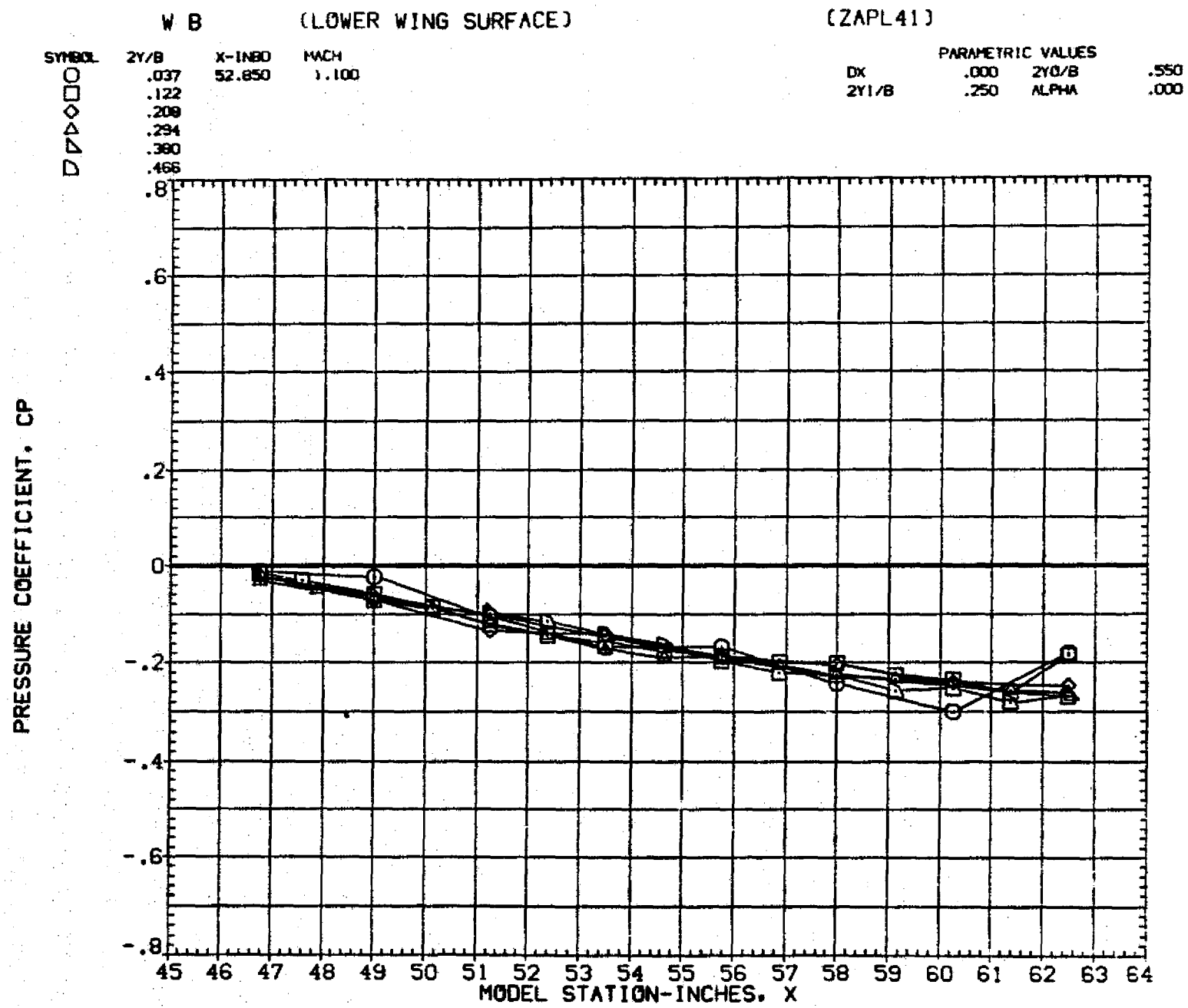


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	52.850	1.100
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

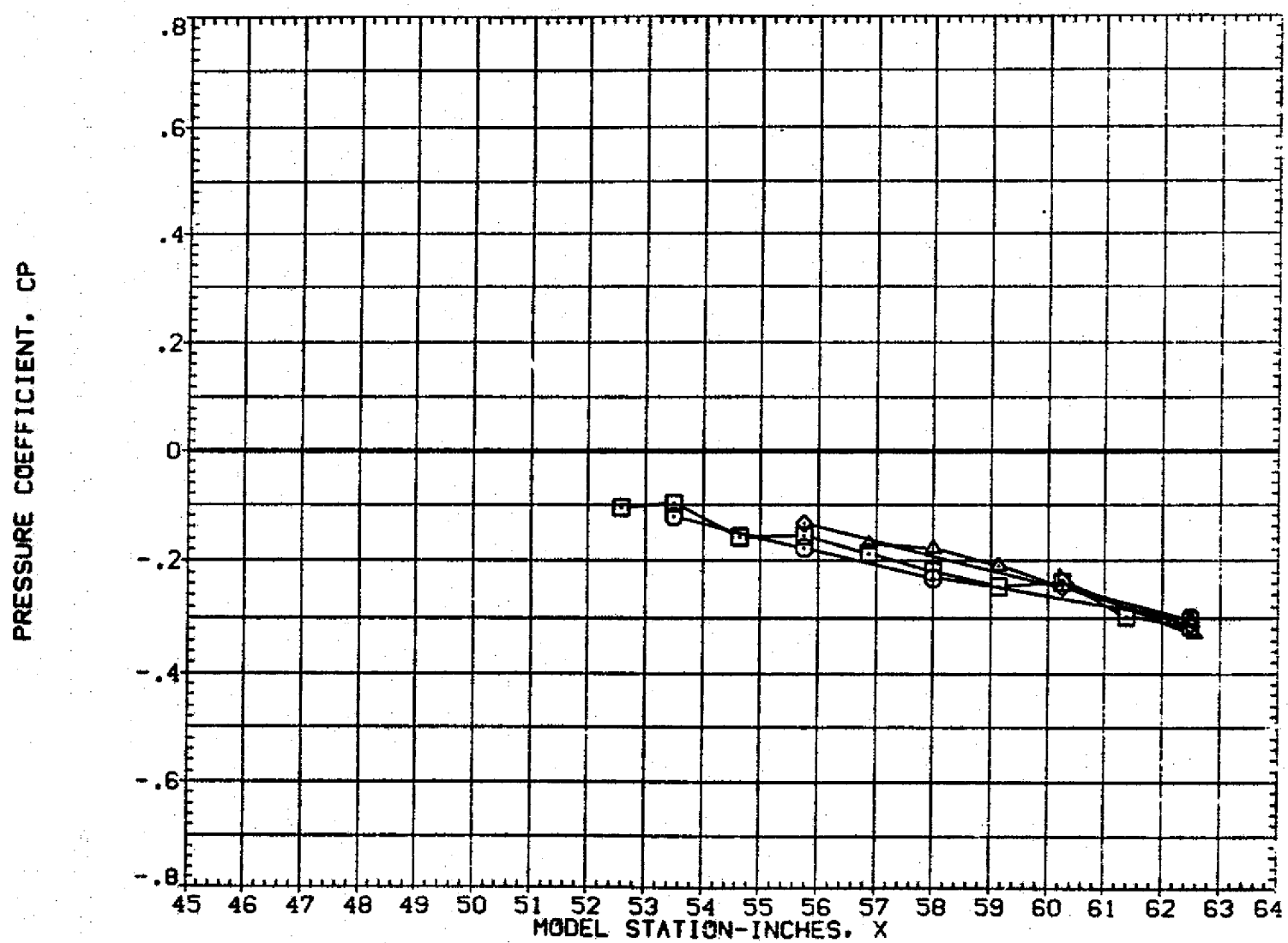


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

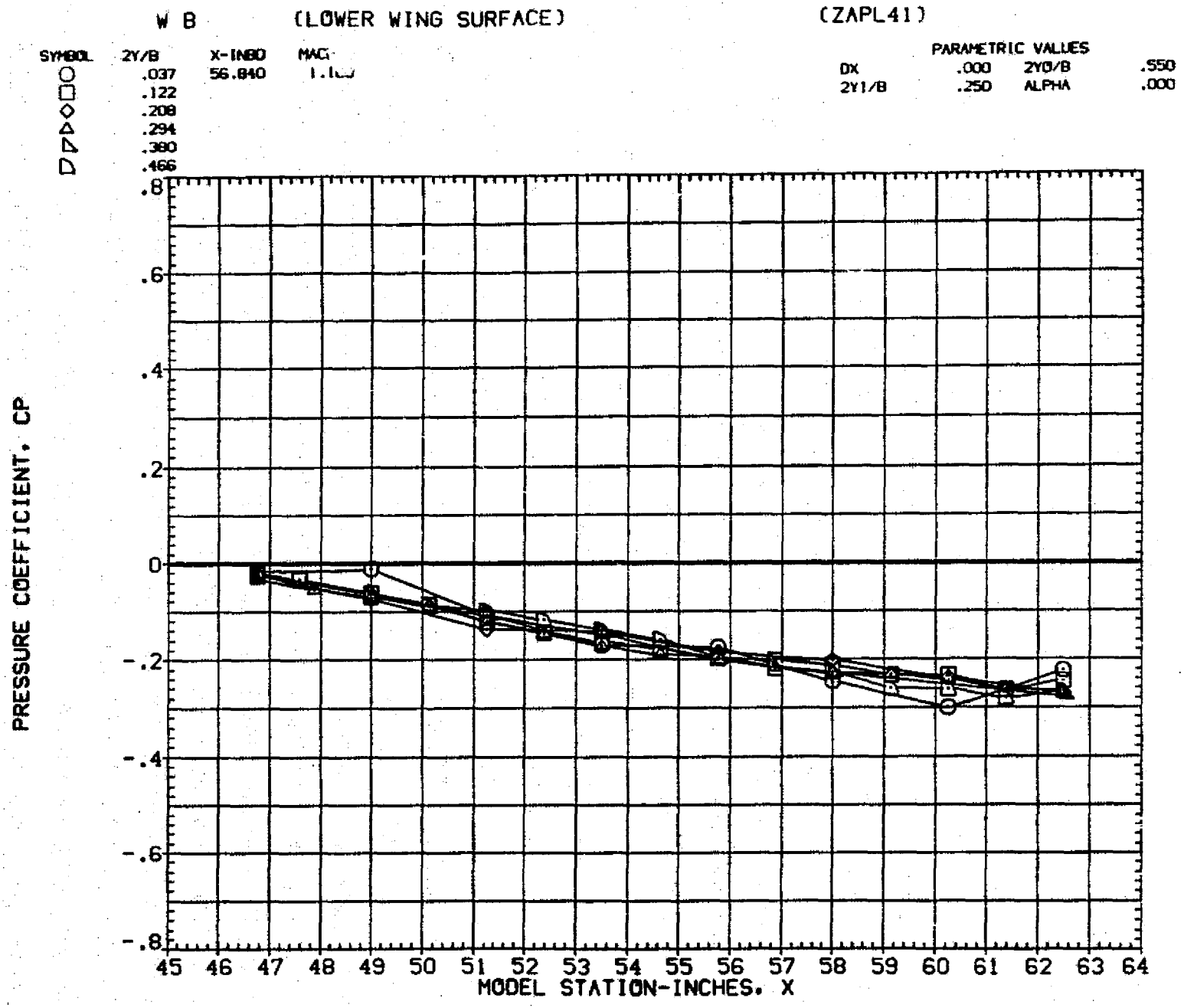


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.840	1.100
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

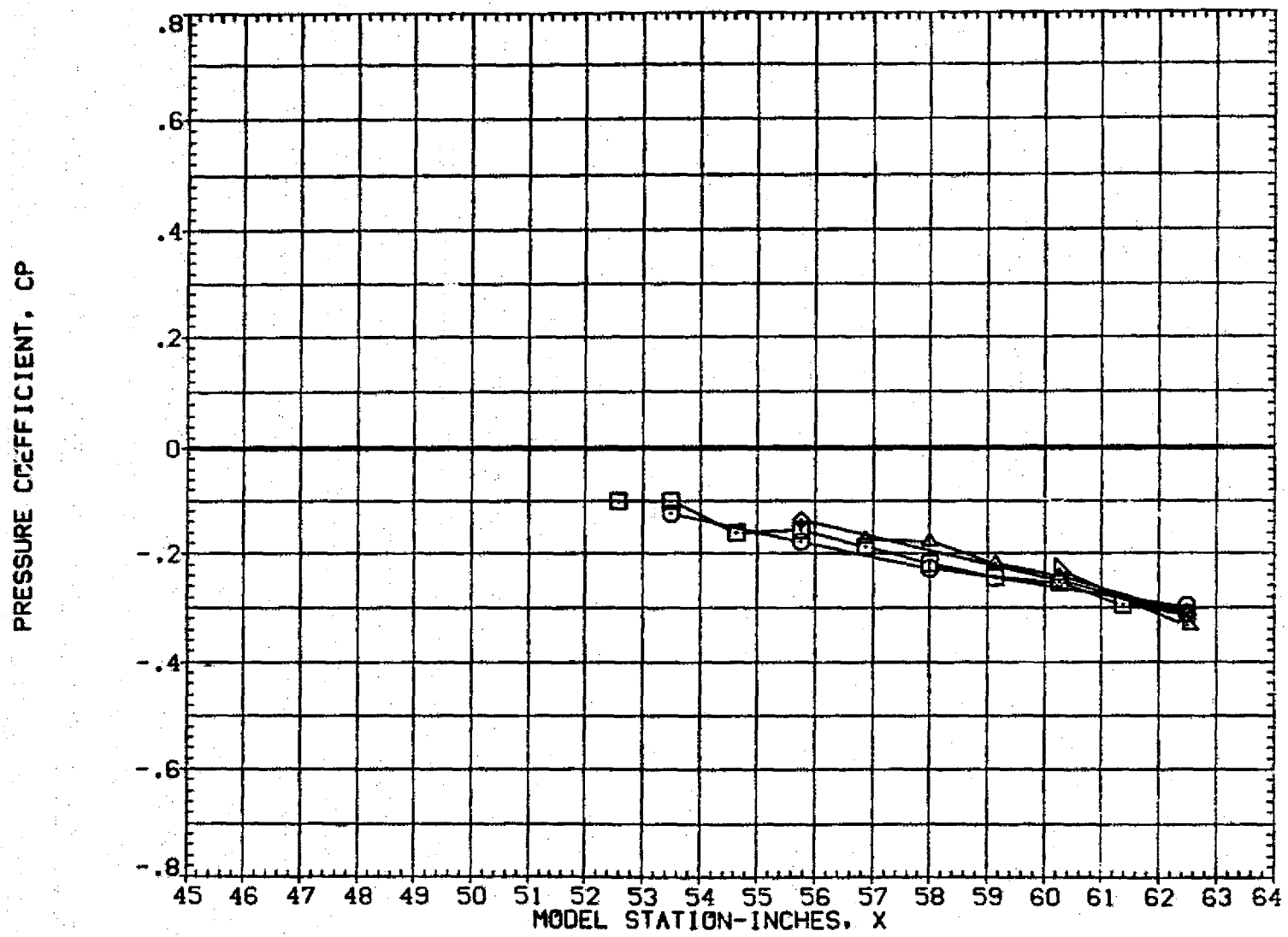


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

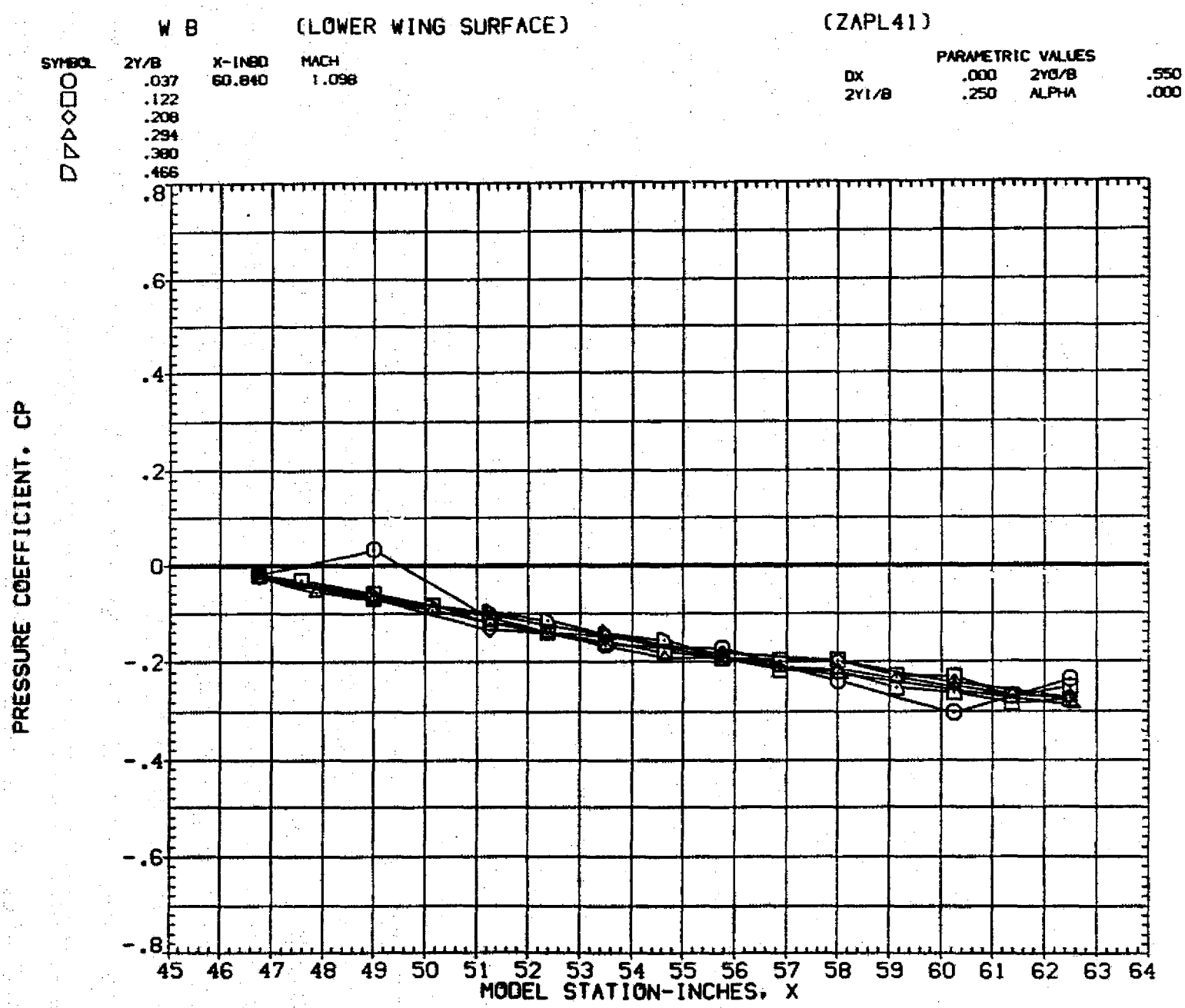


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

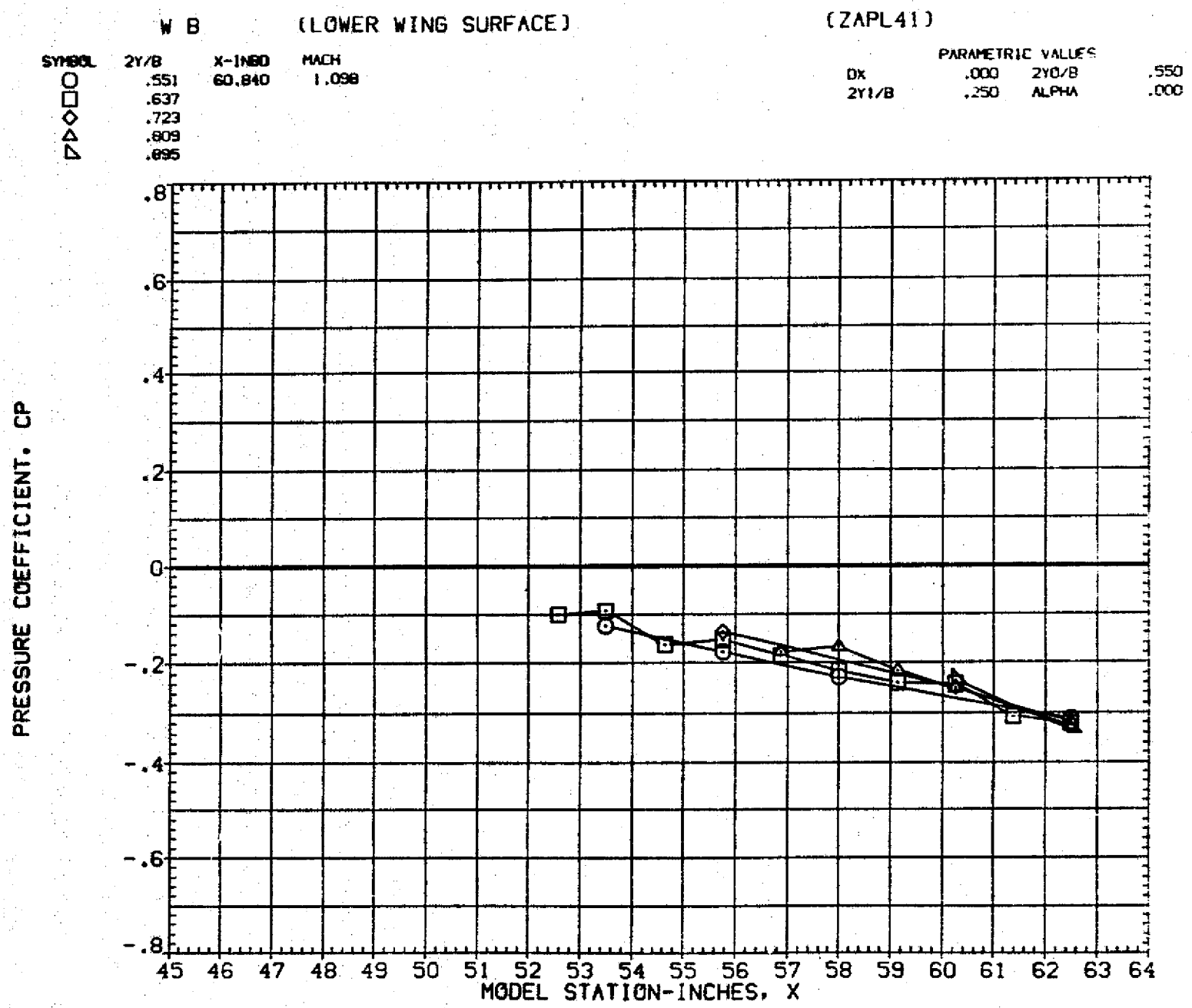


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

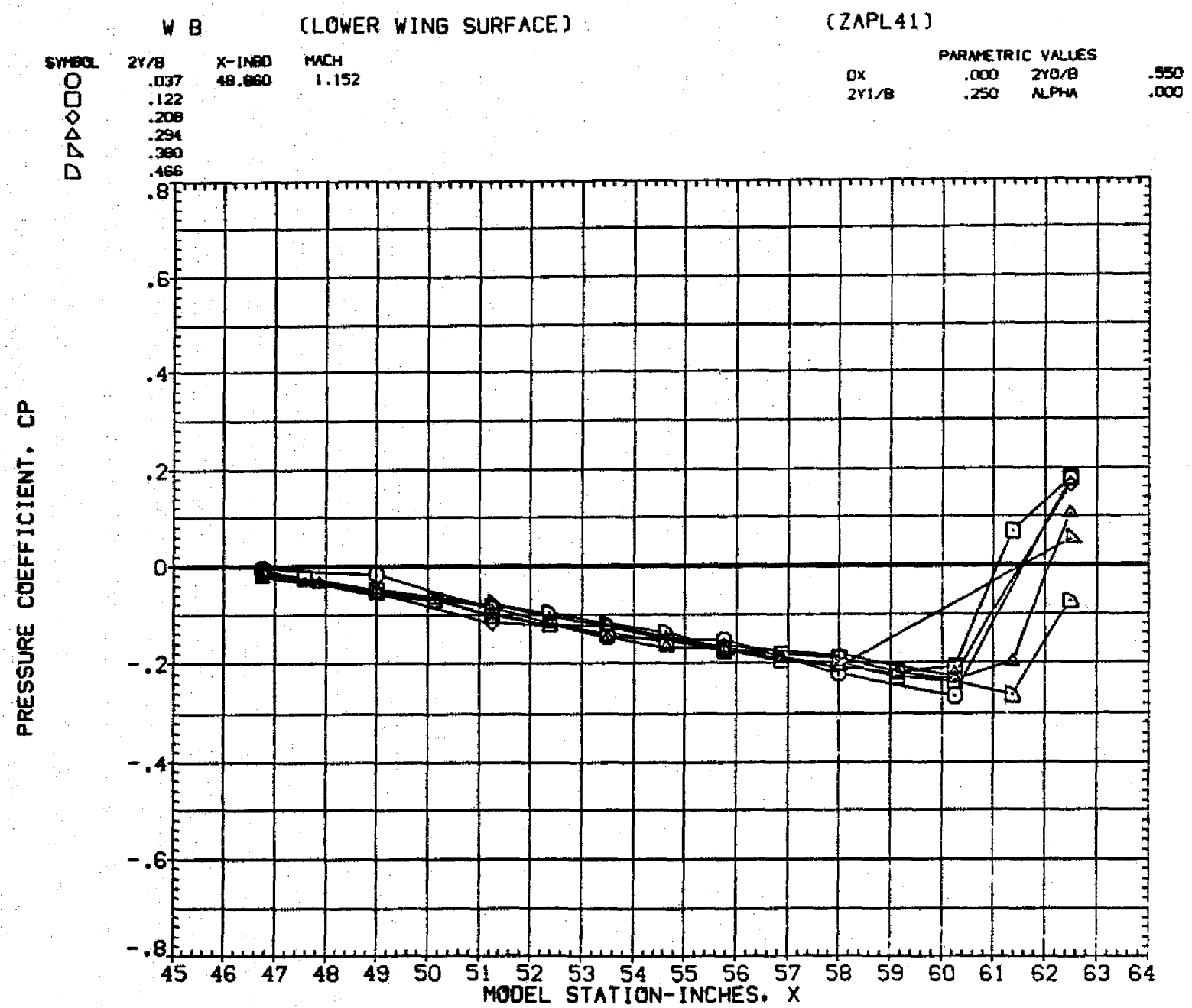


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) [ZAPL41]

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.860	1.152
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

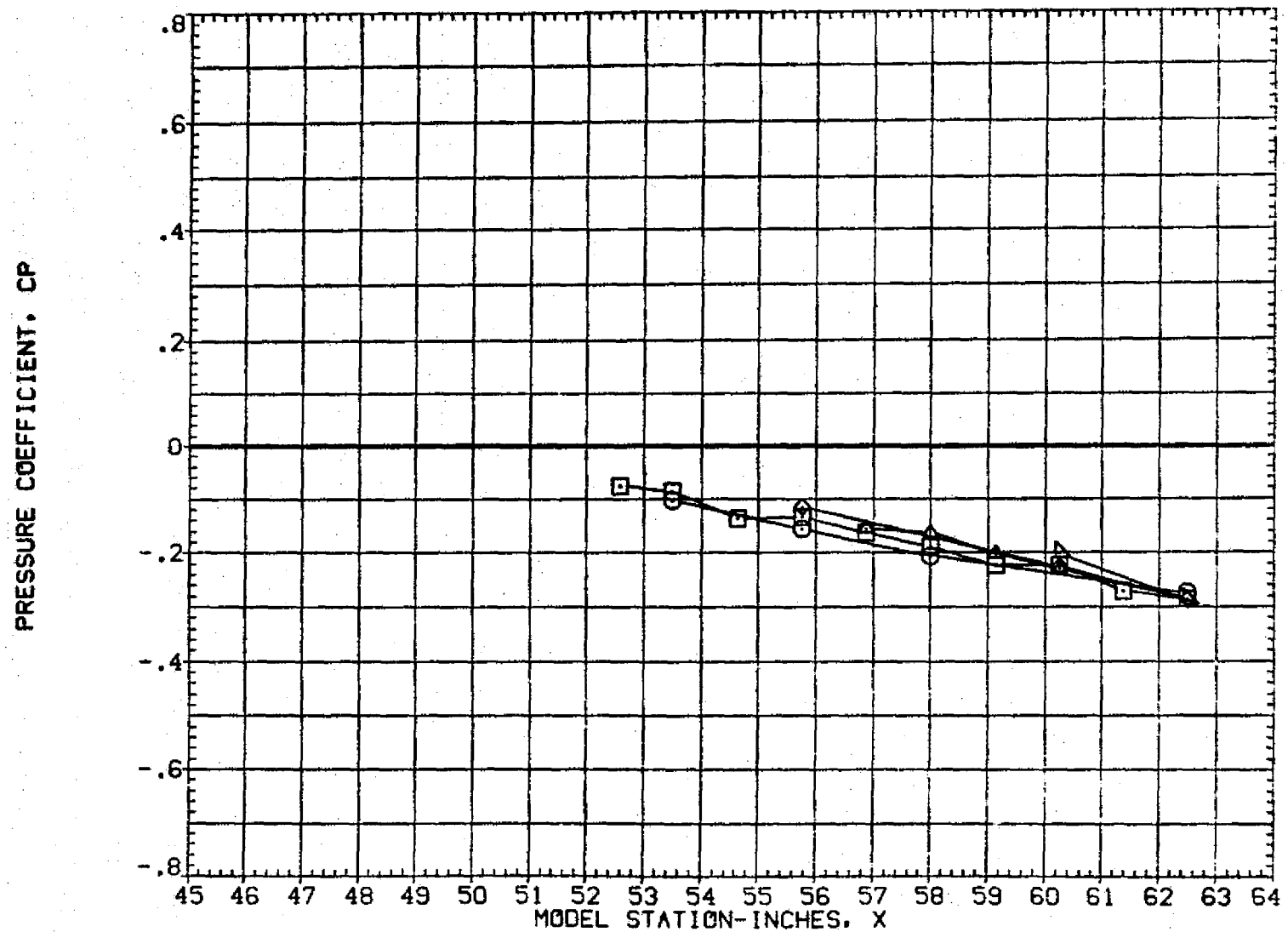


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

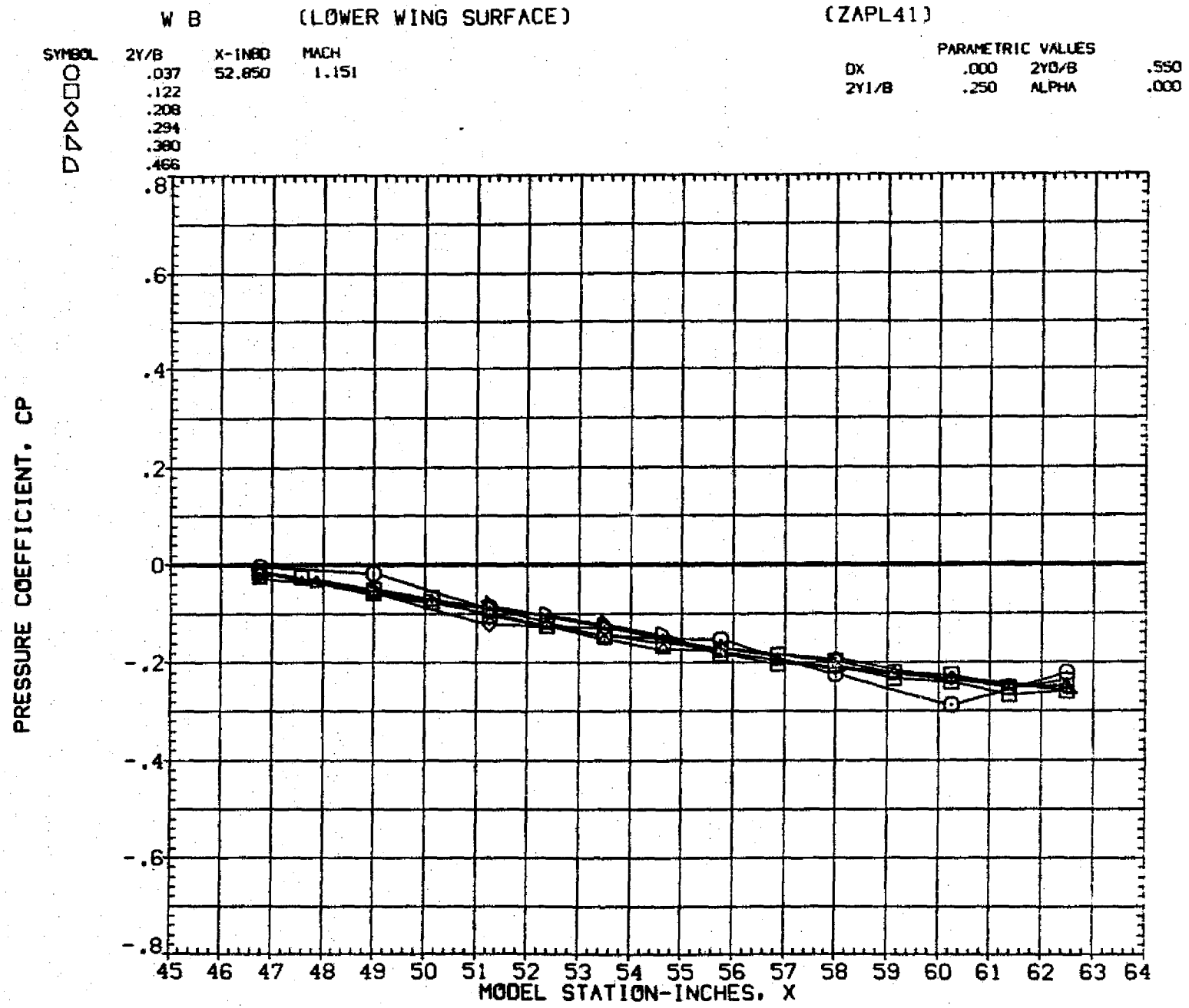


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	52.850	1.151
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

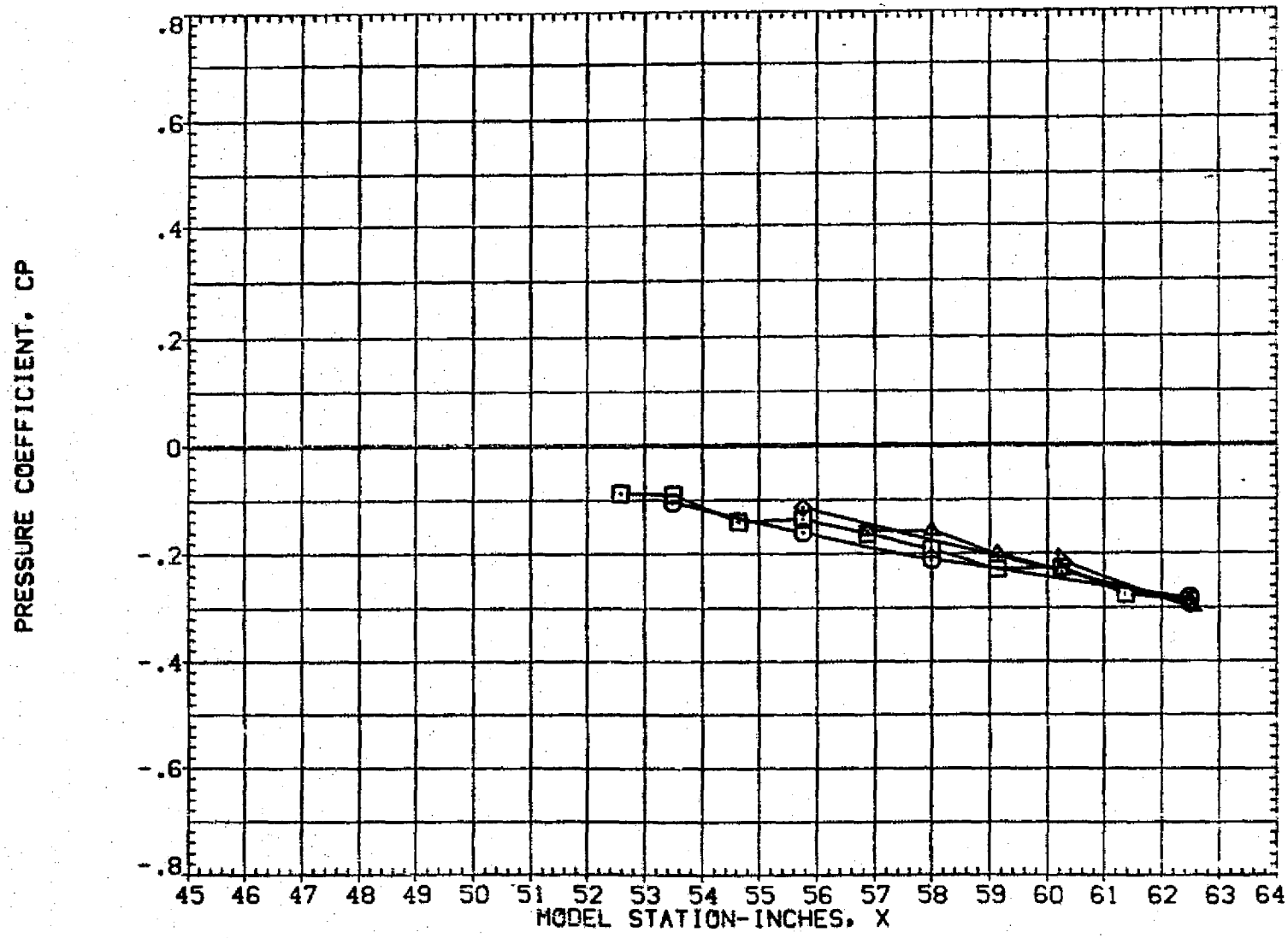


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

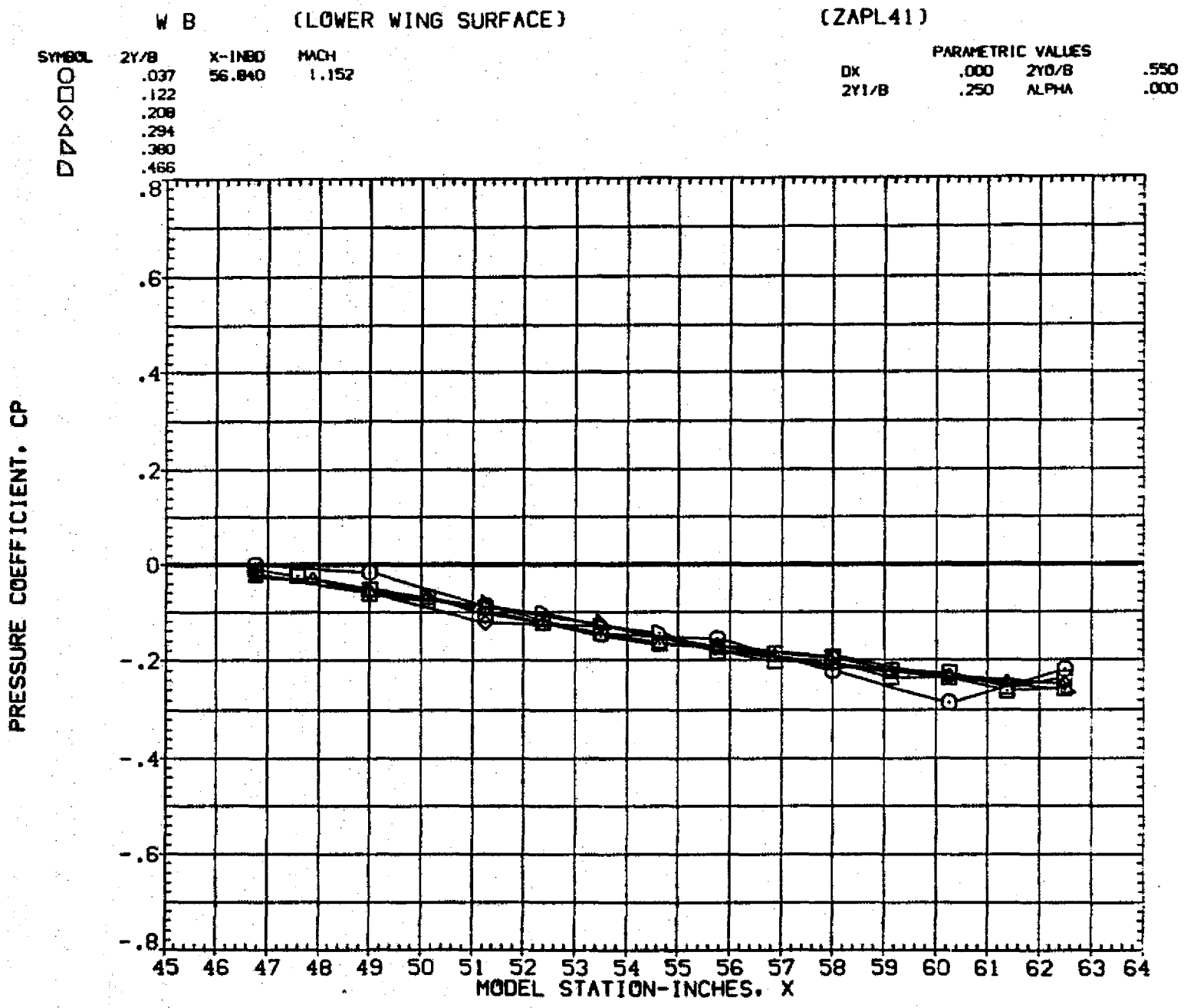


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.840	1.152
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

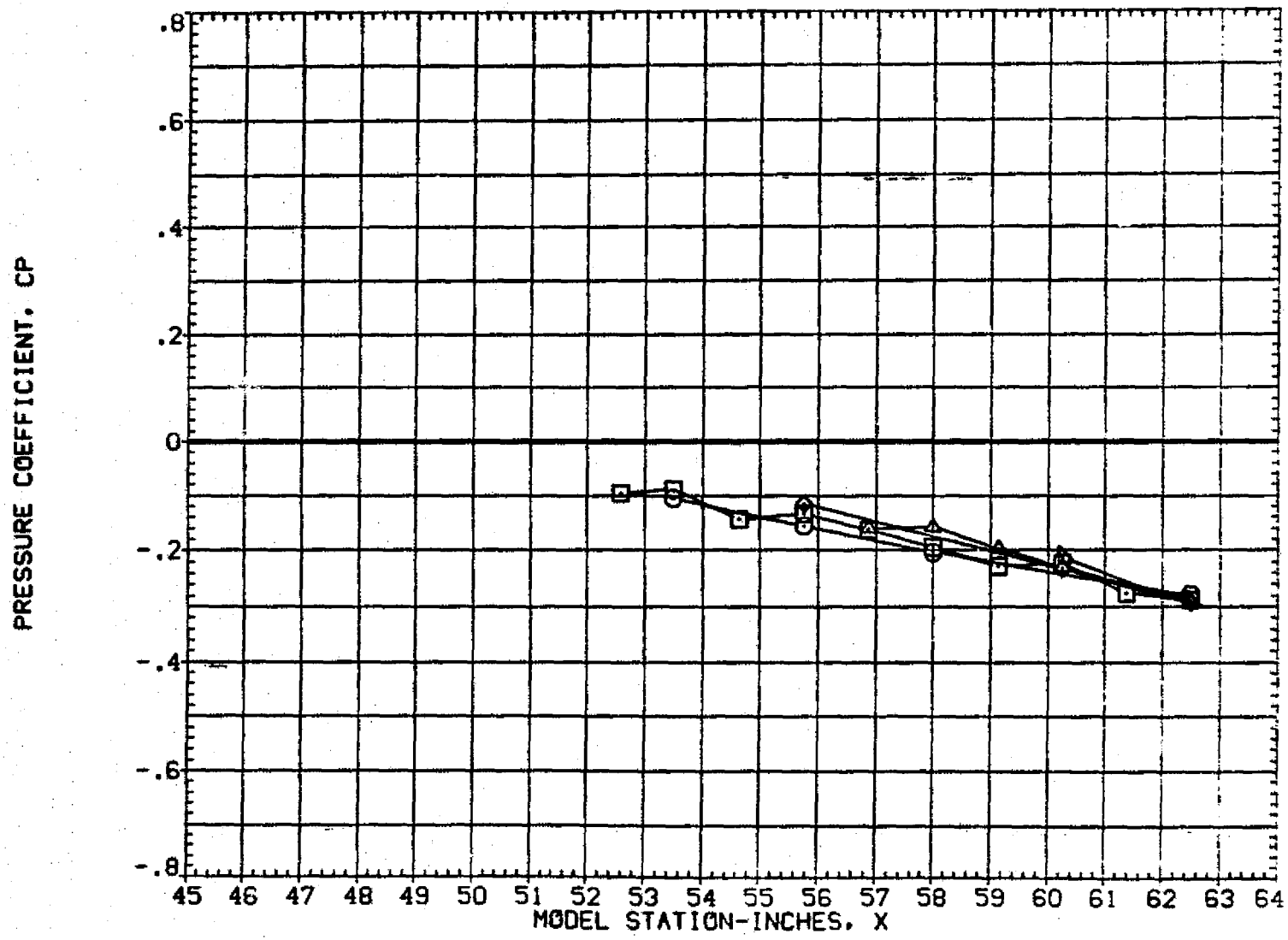


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (?APL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.037	60.840	1.151
□	.122		
◇	.208		
△	.294		
◸	.380		
◹	.466		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

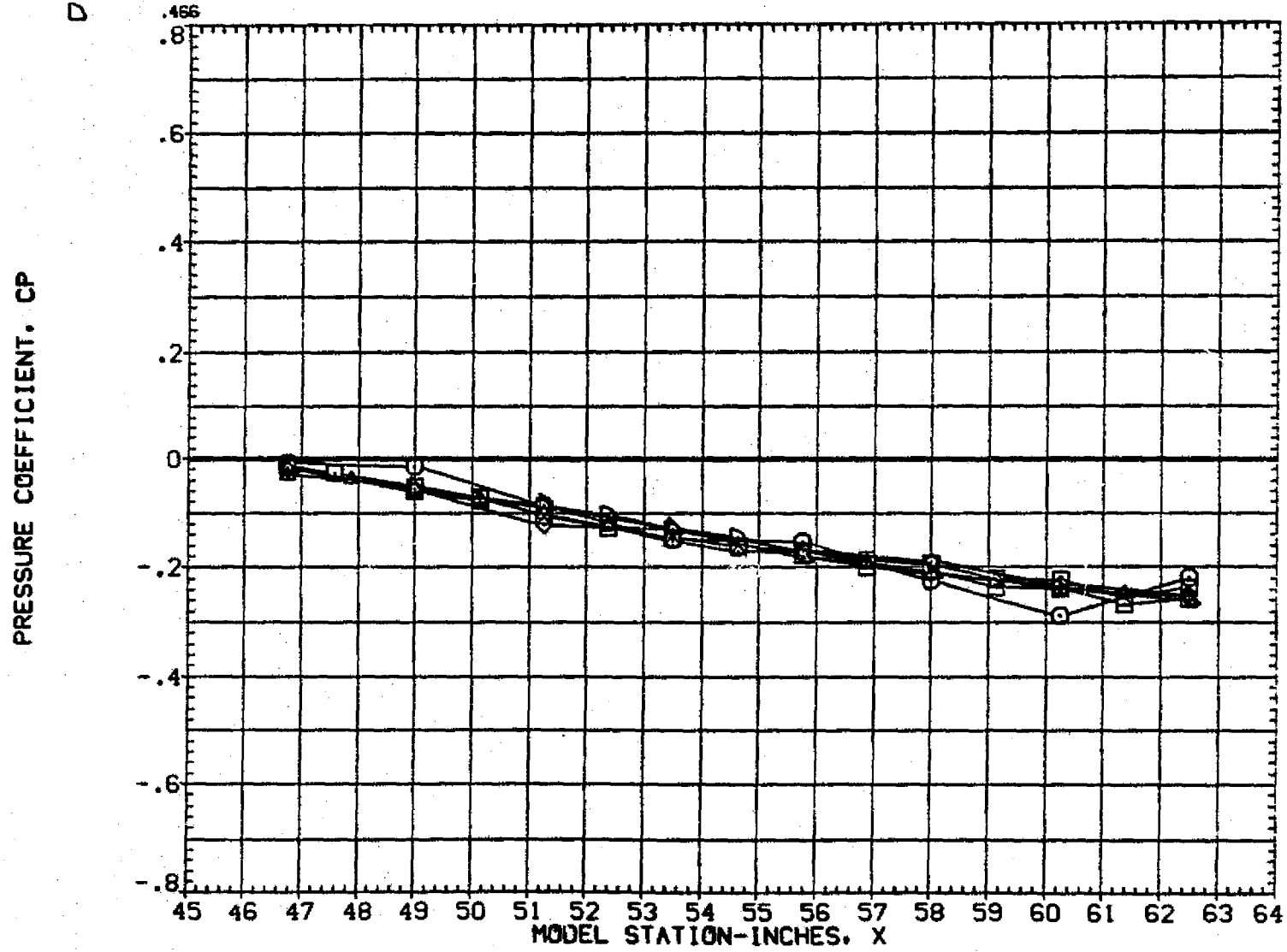


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

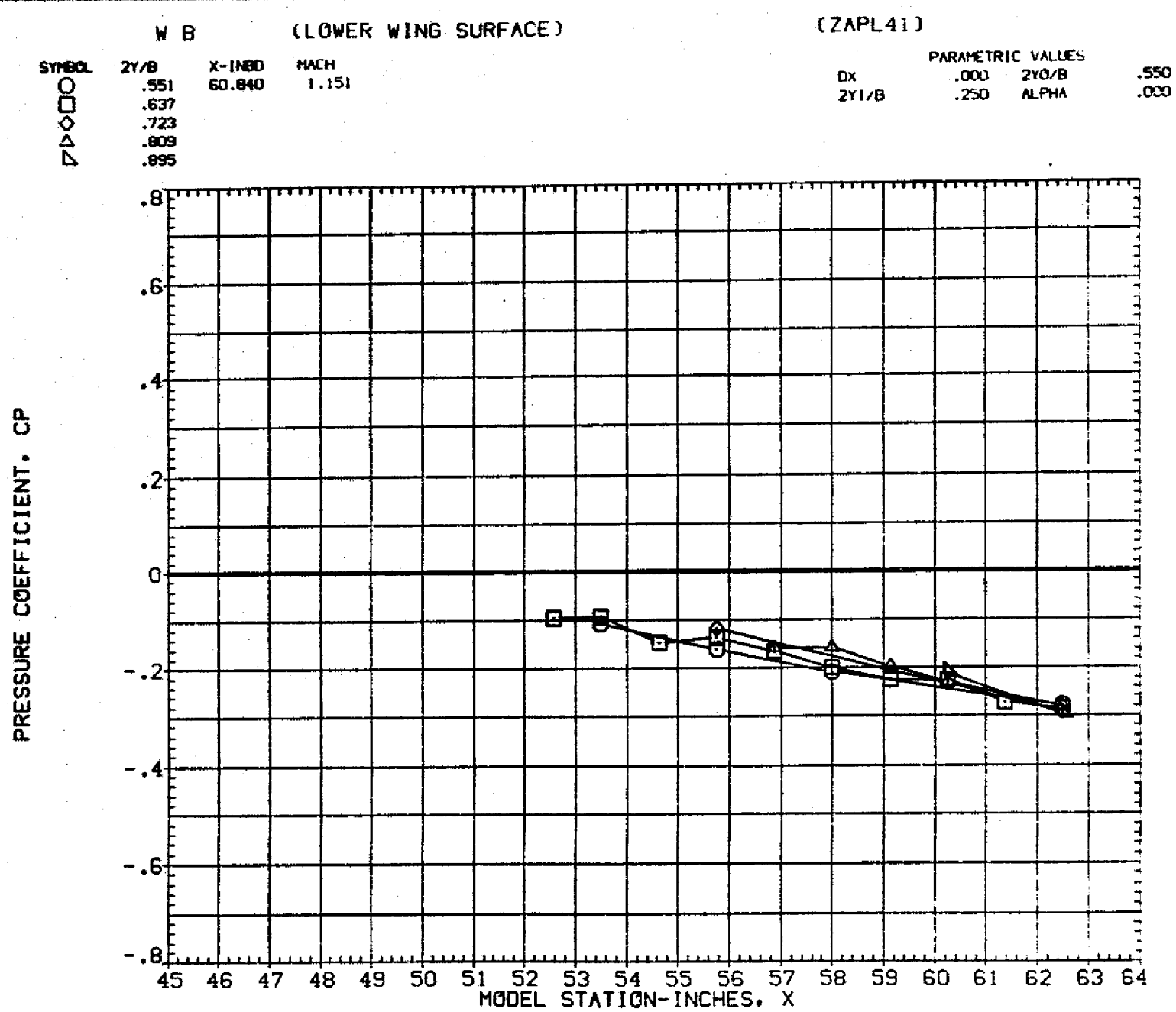


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

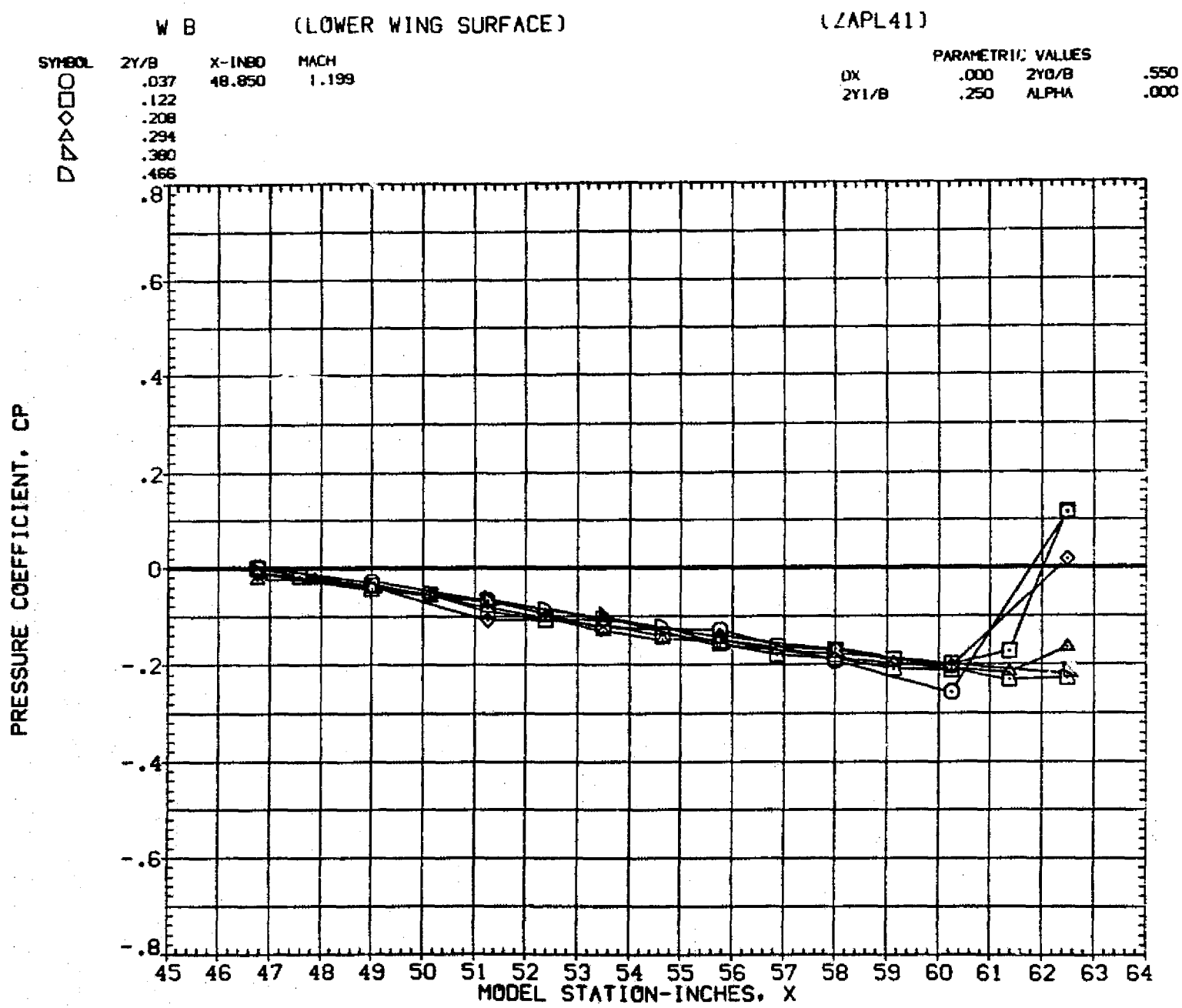


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.850	1.199
□	.637		
◇	.723		
△	.809		
◿	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

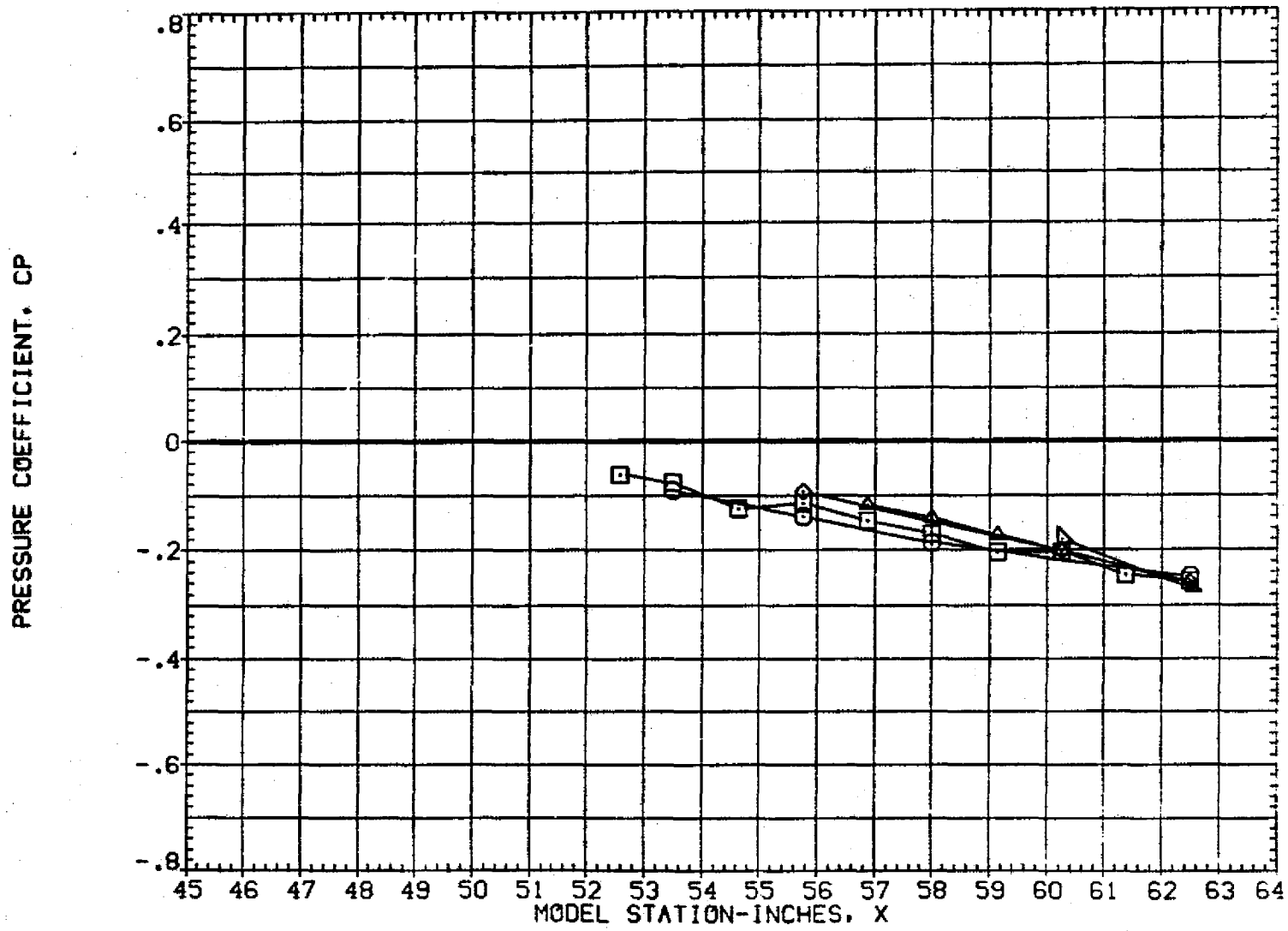


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

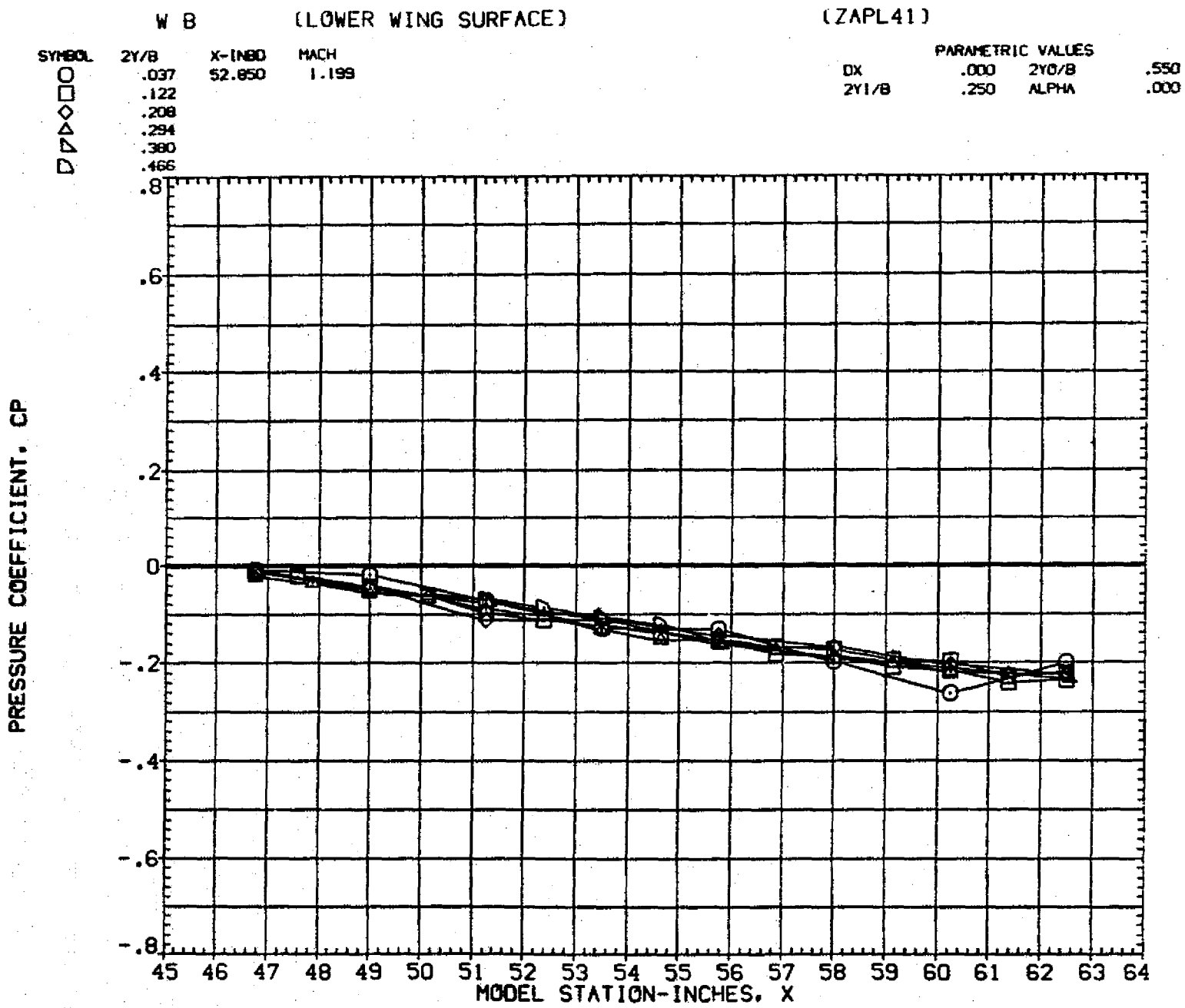


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	52.850	1.199
□	.637		
◇	.723		
△	.809		
▷	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

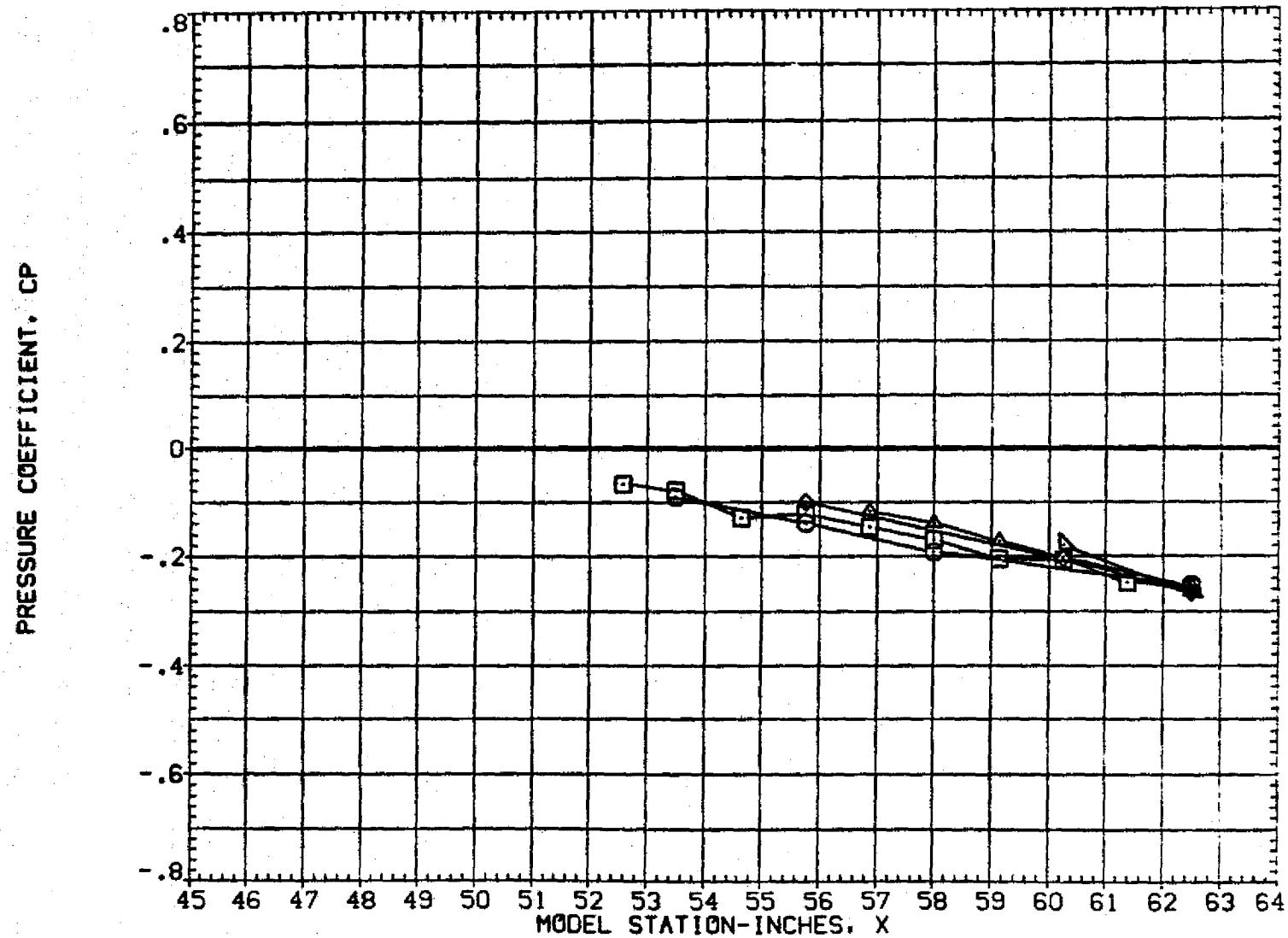


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

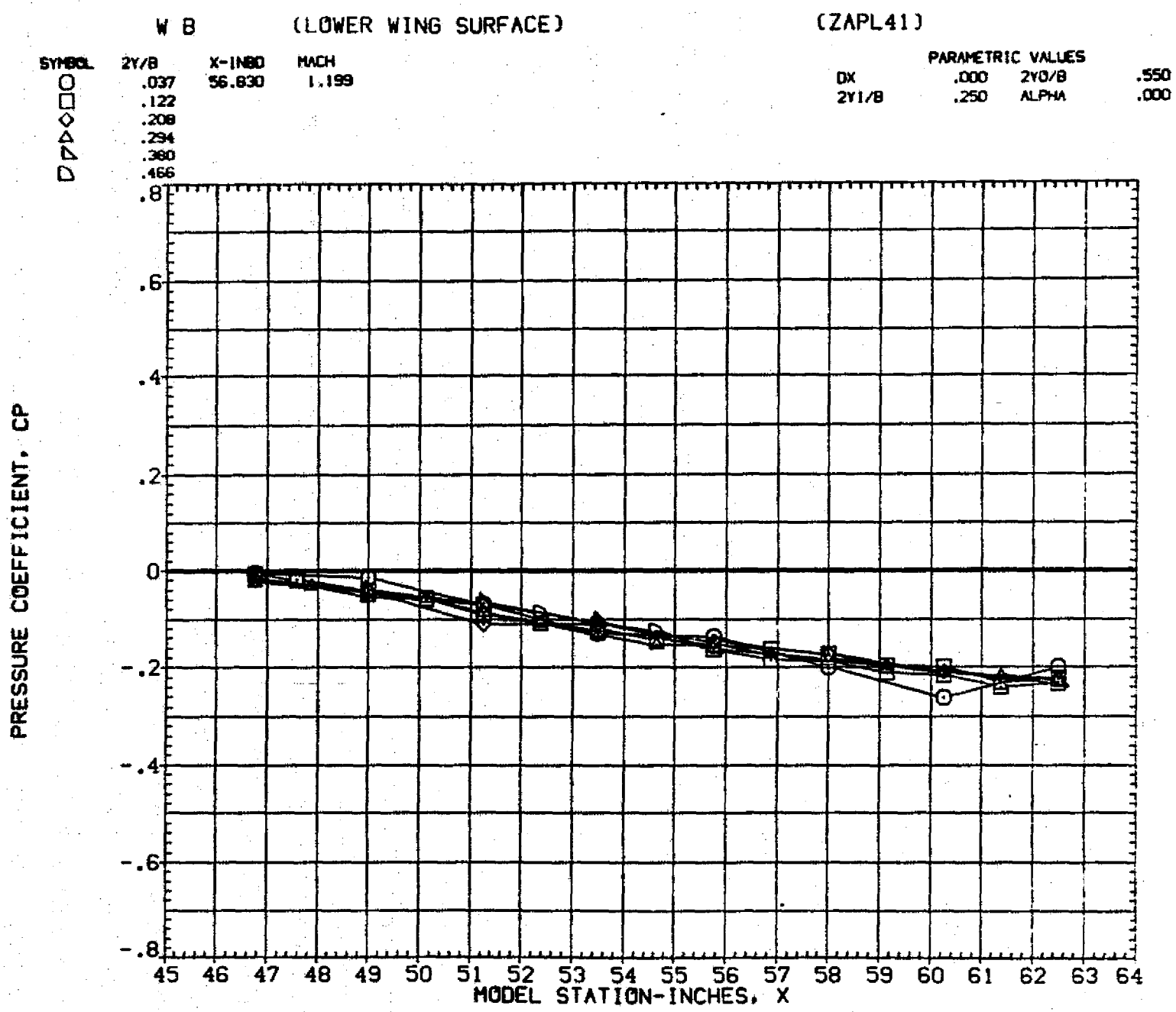


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL4!)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.830	1.199
□	.637		
◇	.723		
△	.809		
◿	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

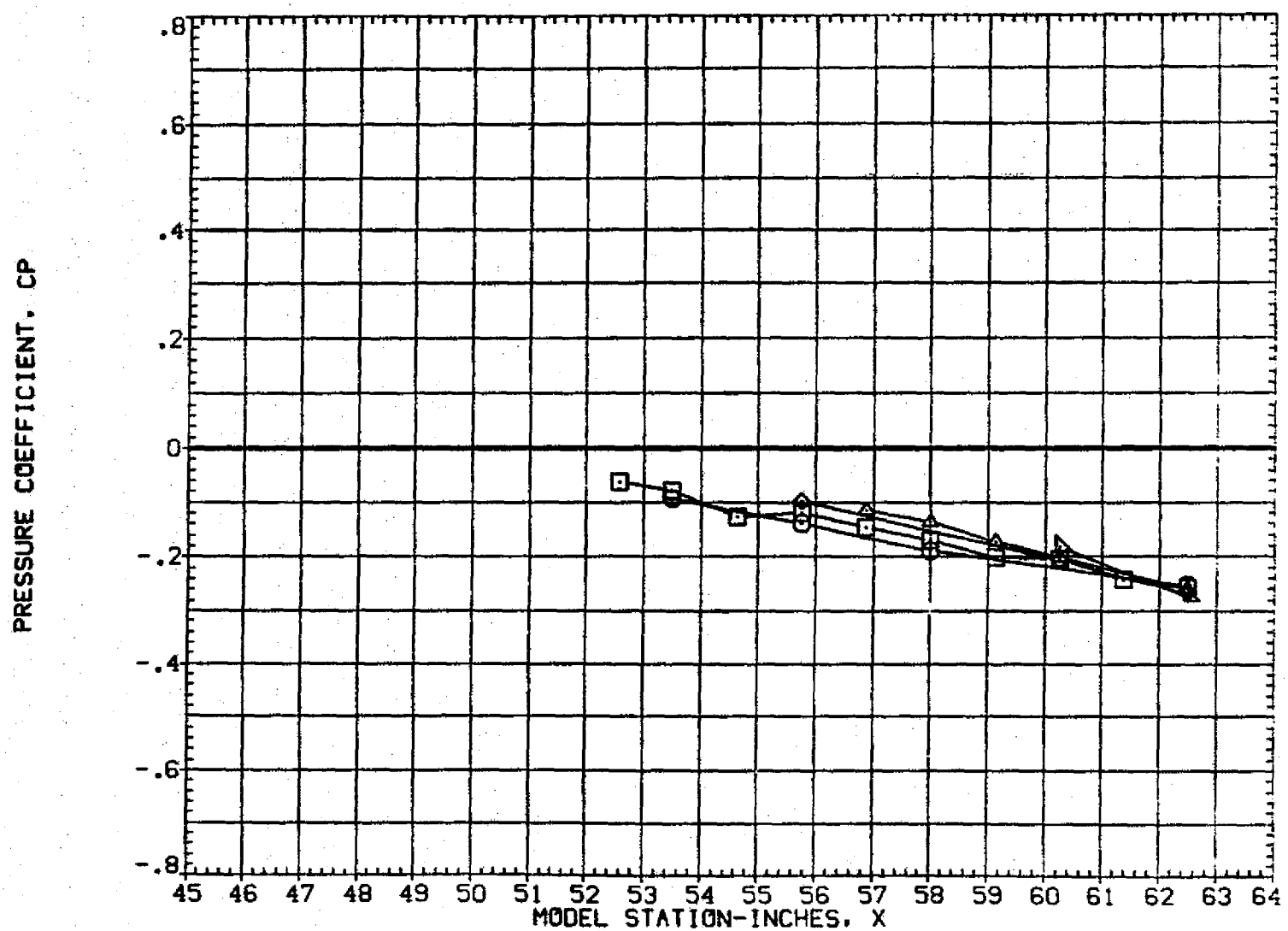


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

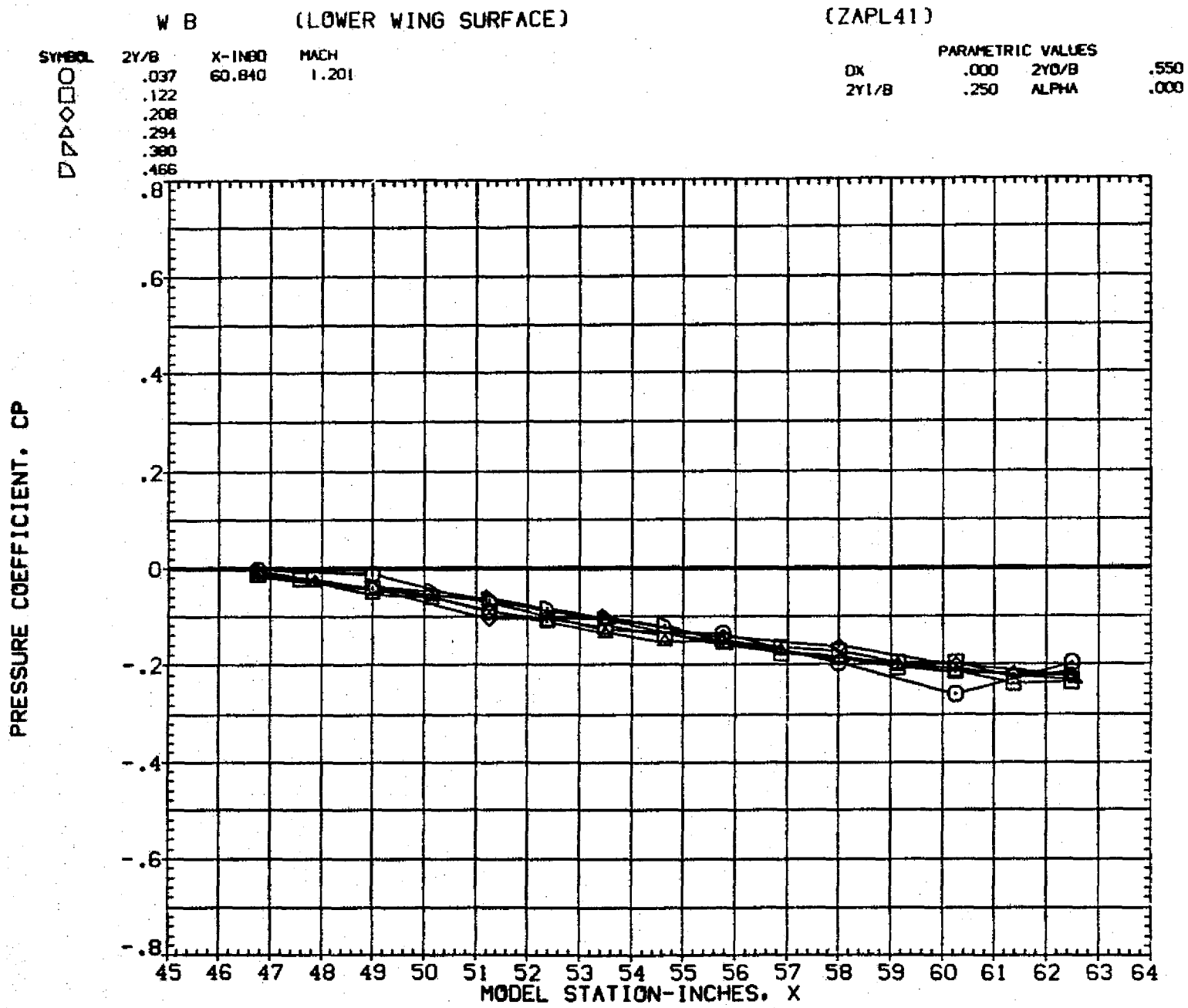


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	60.840	1.201
□	.637		
◇	.723		
△	.809		
◁	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

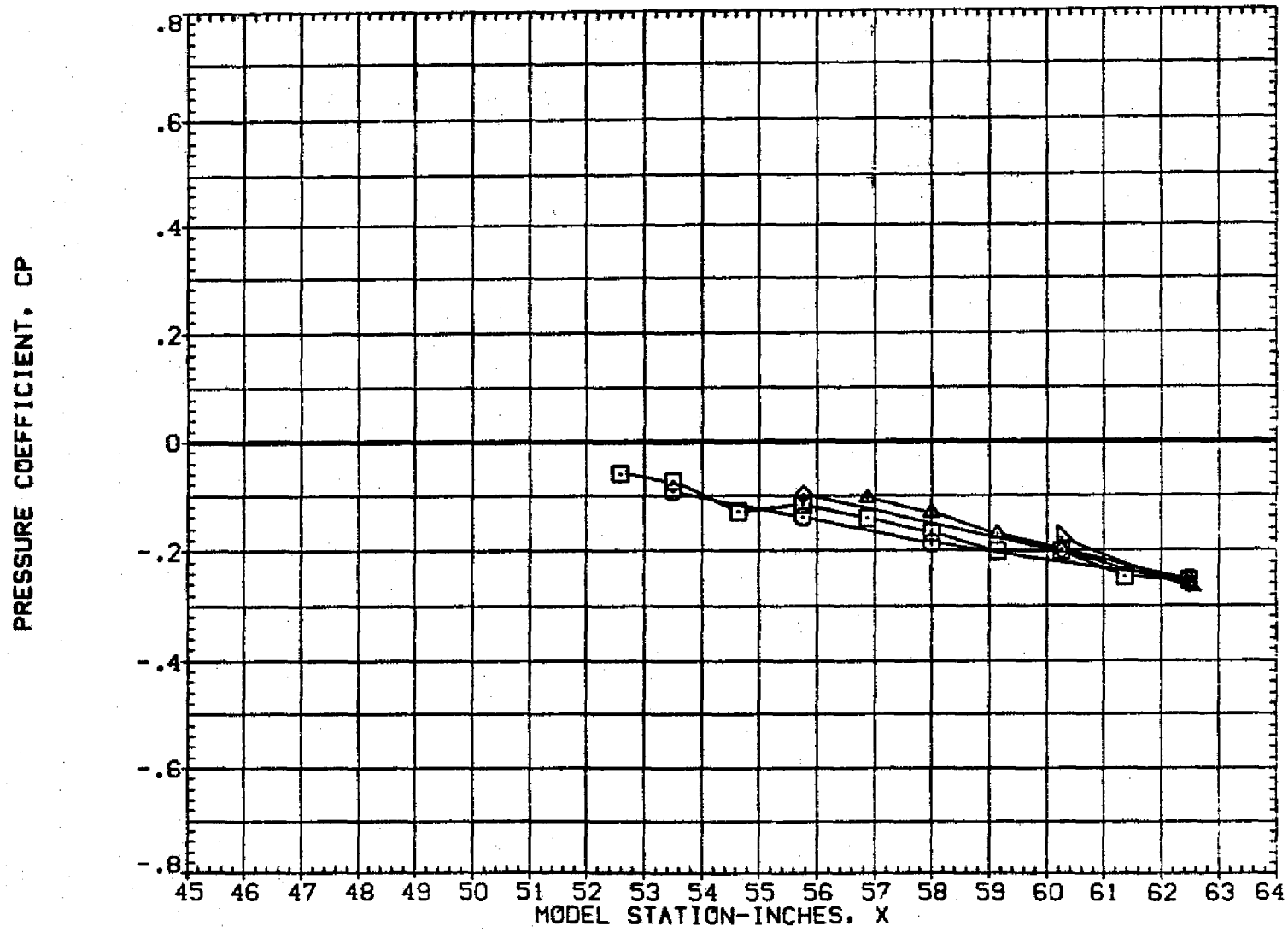


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

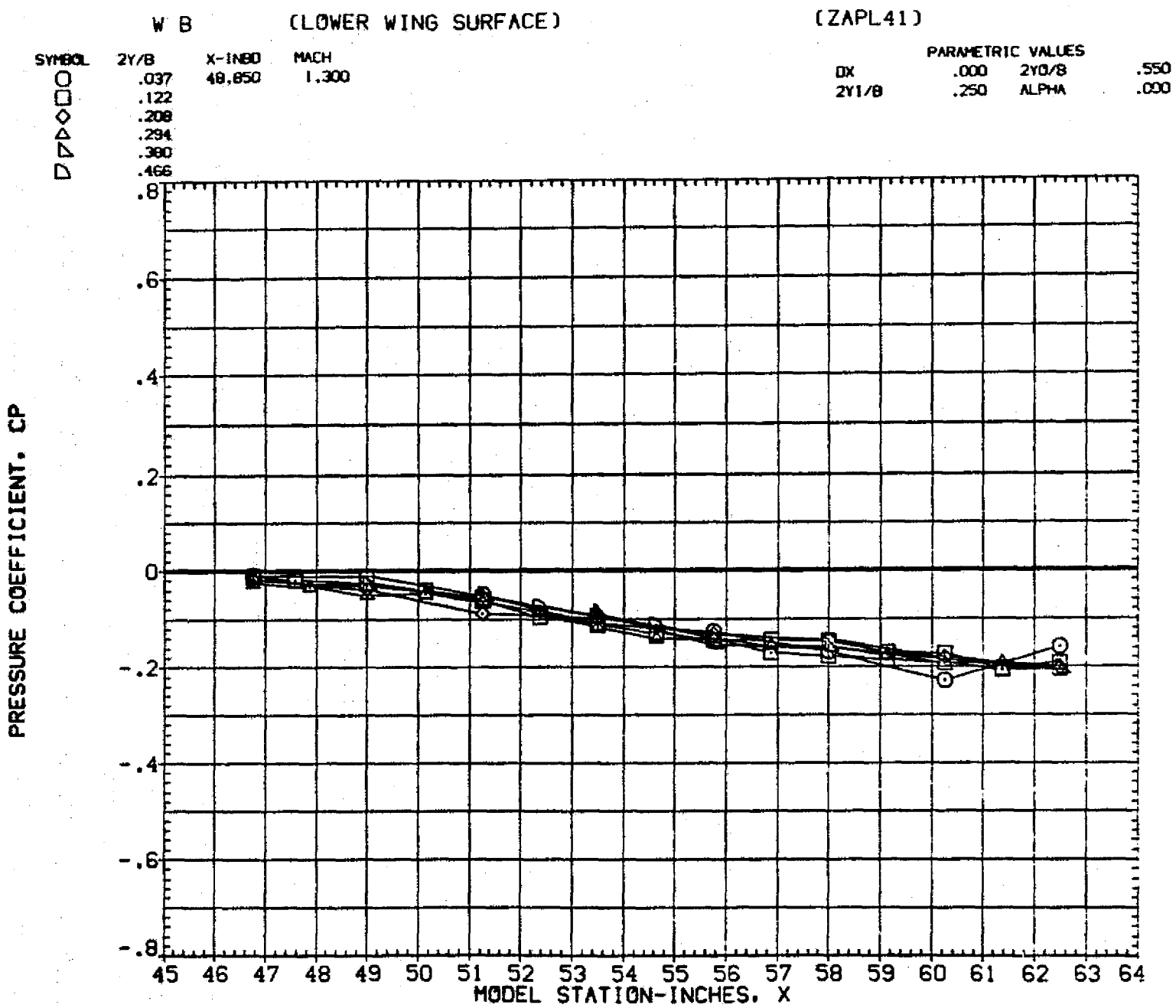


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.850	1.300
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

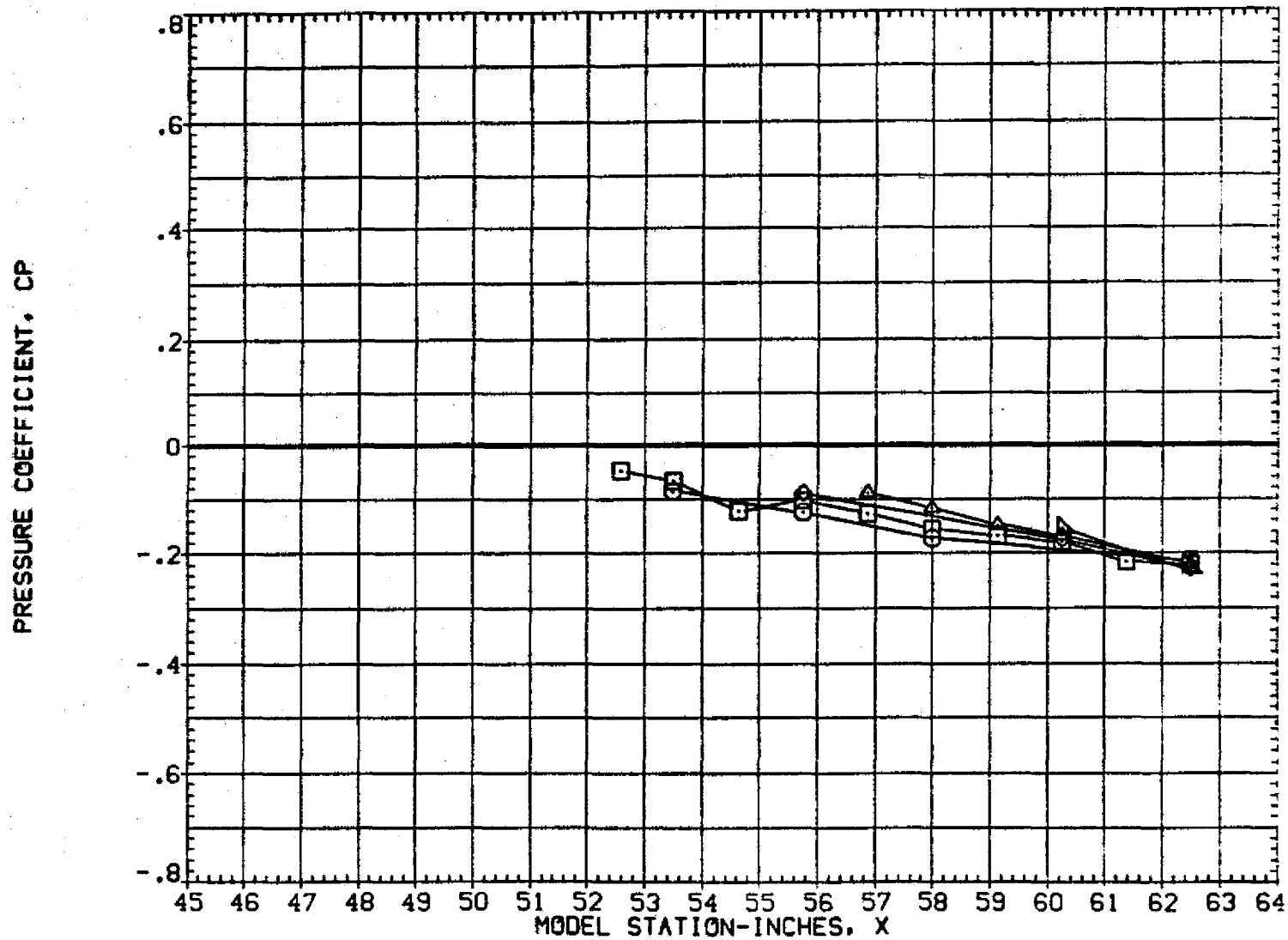


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

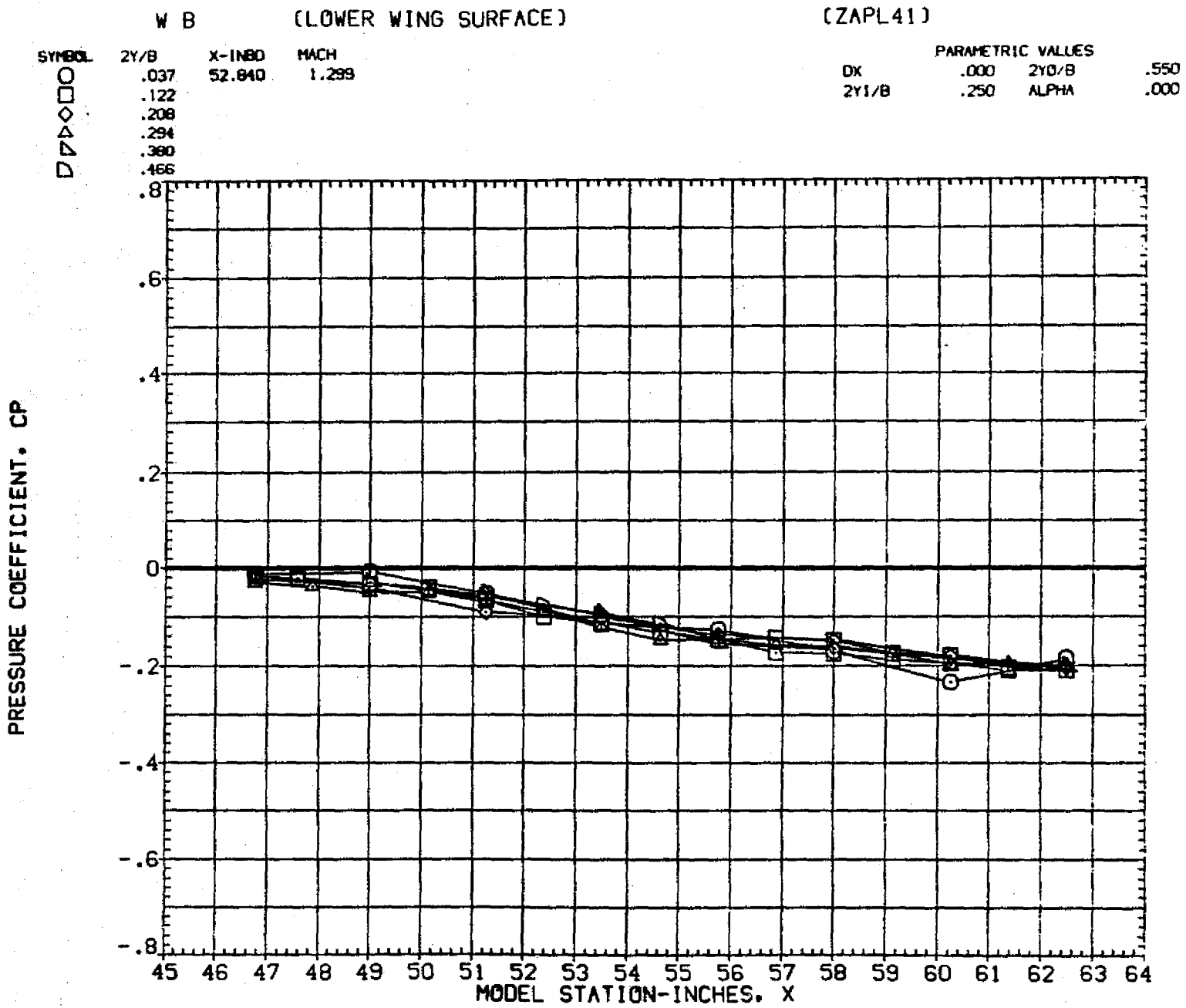


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	52.840	1.299
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

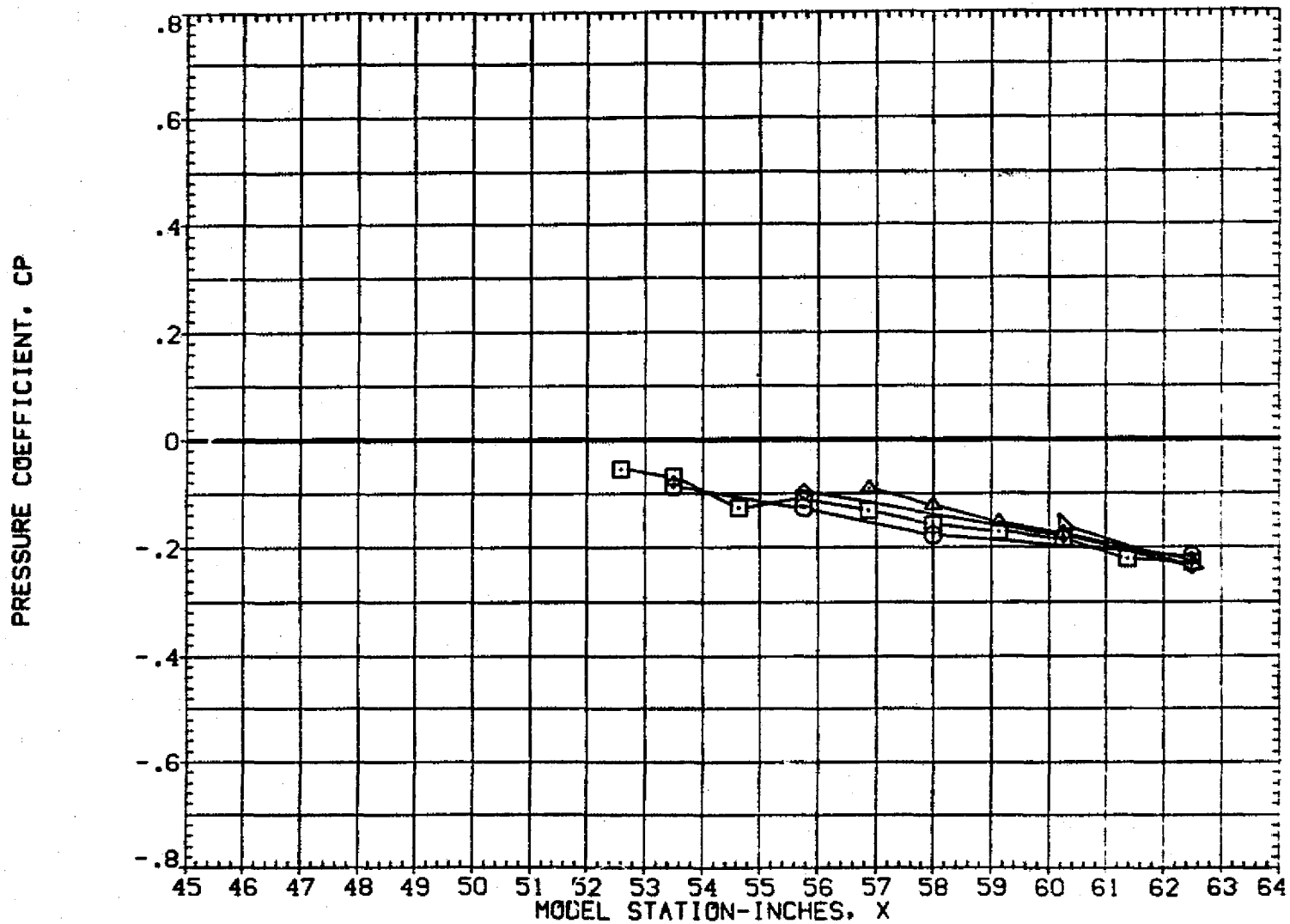


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

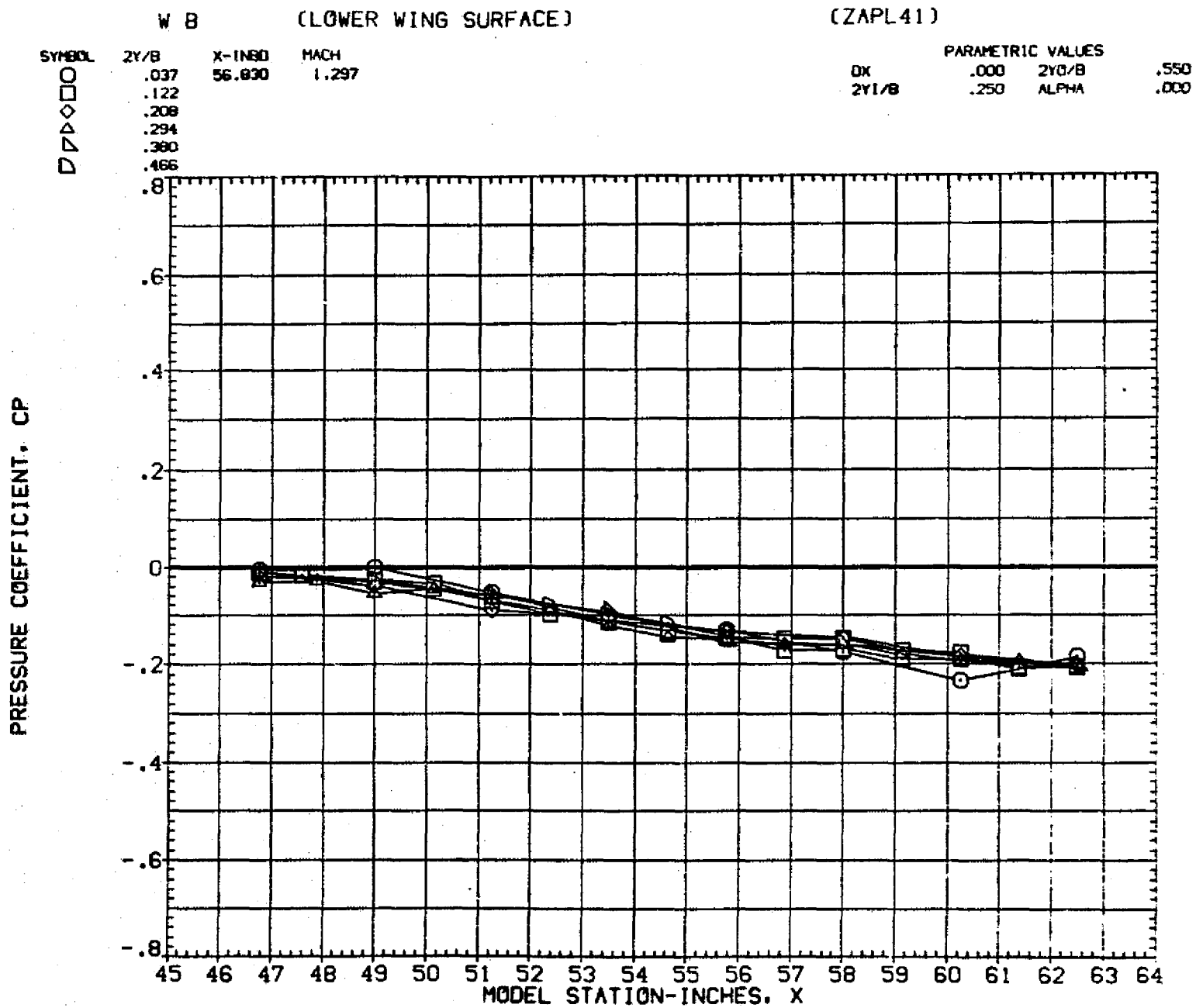


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.830	1.297
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

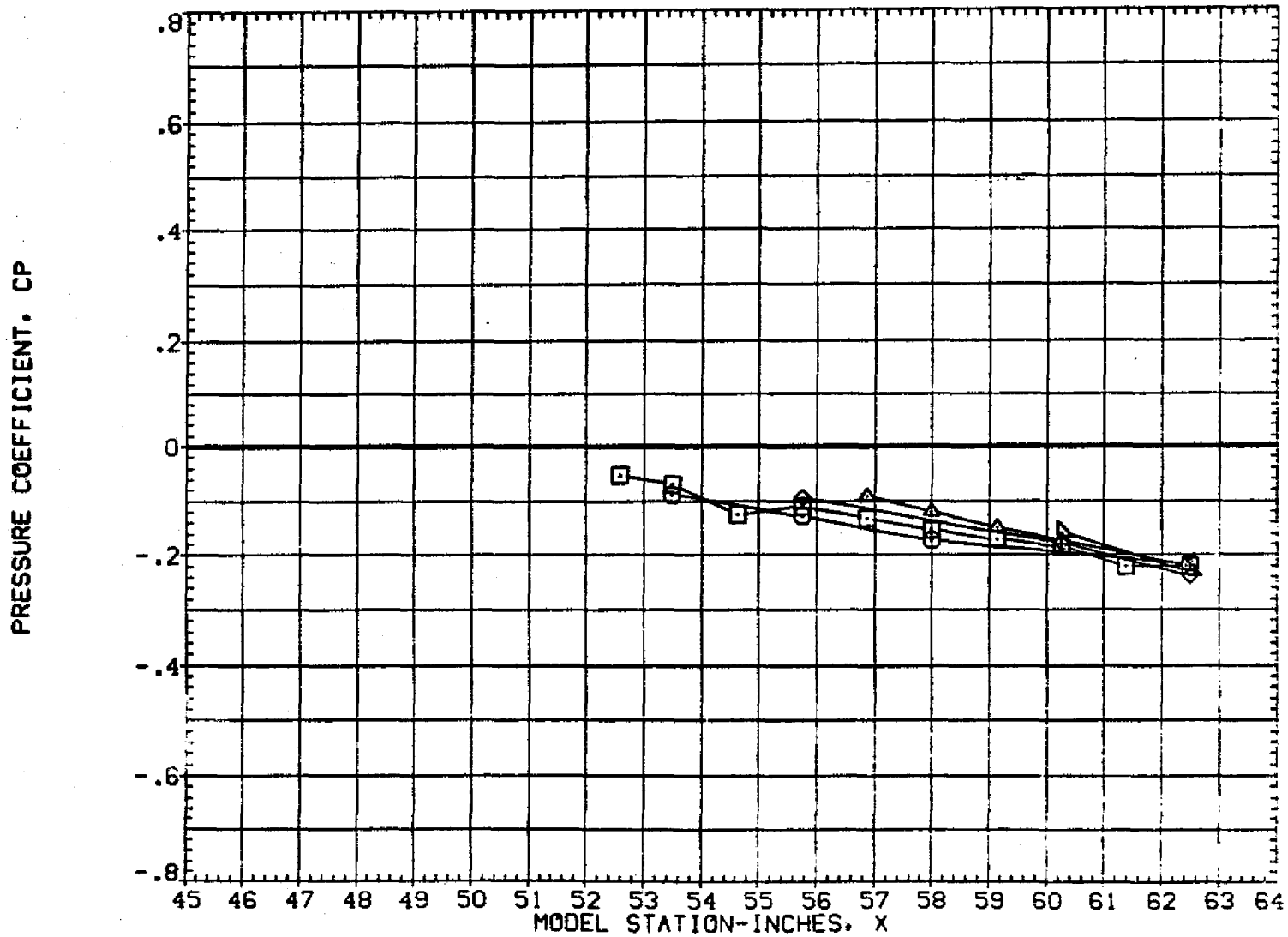


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

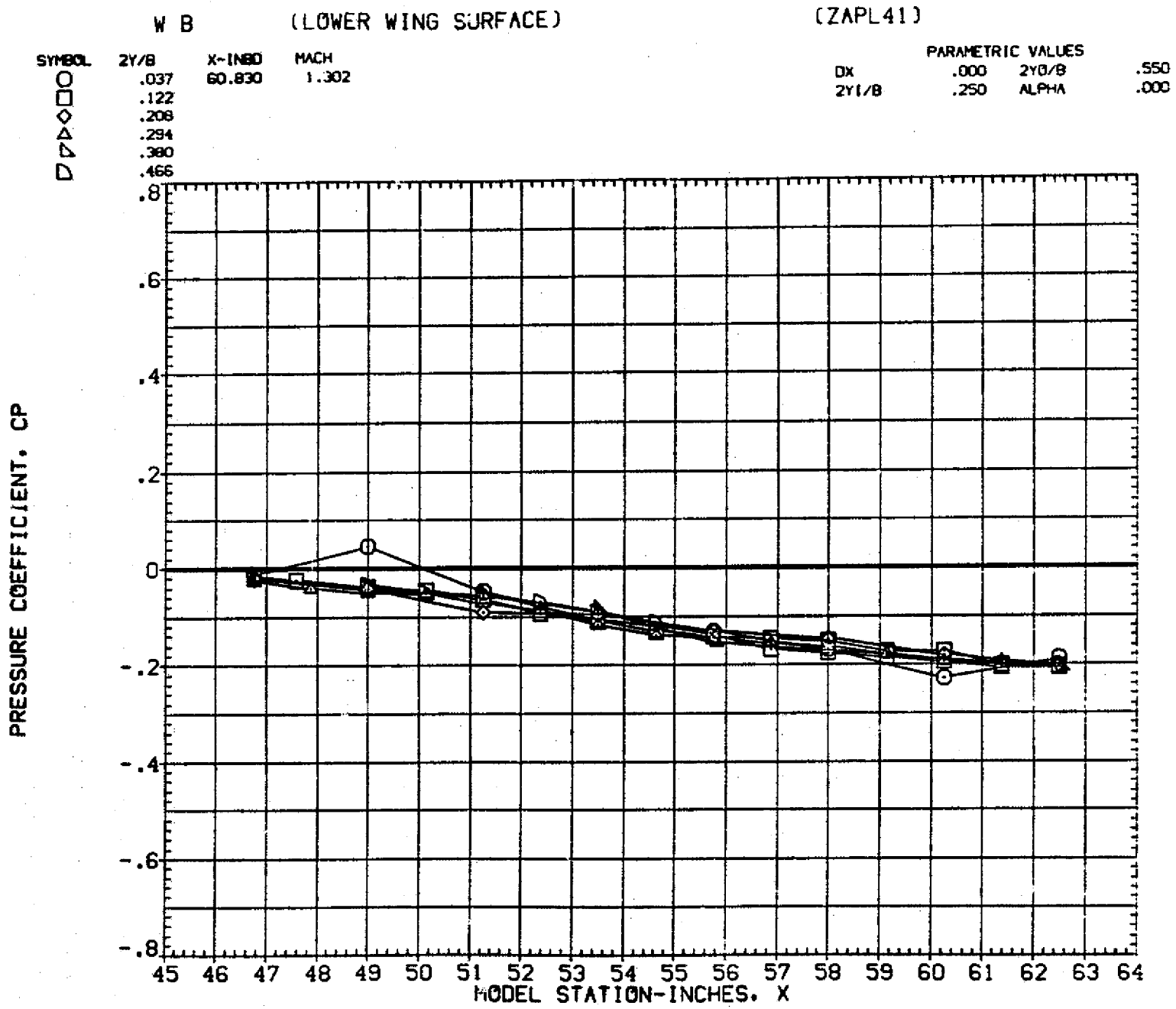


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

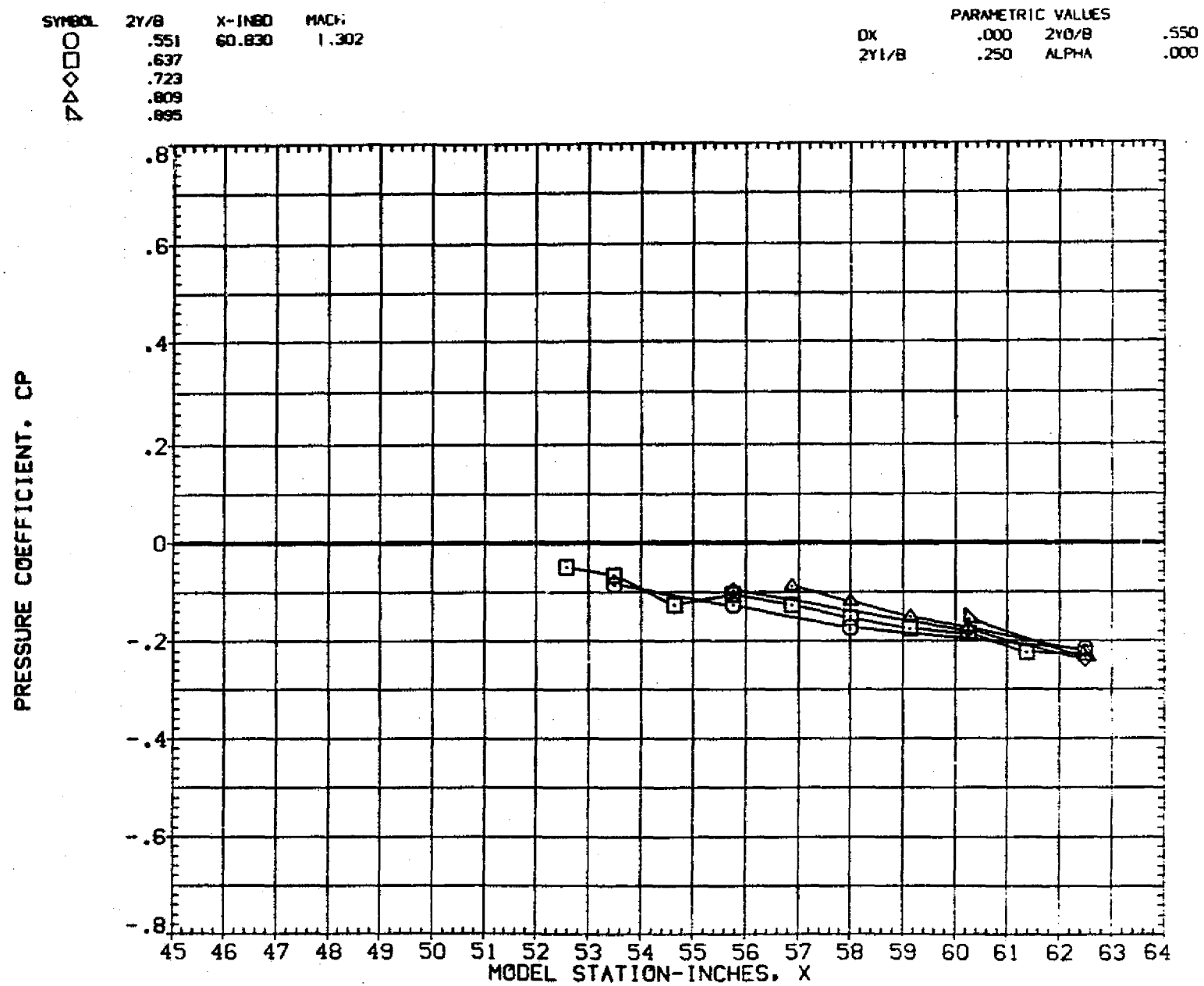


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

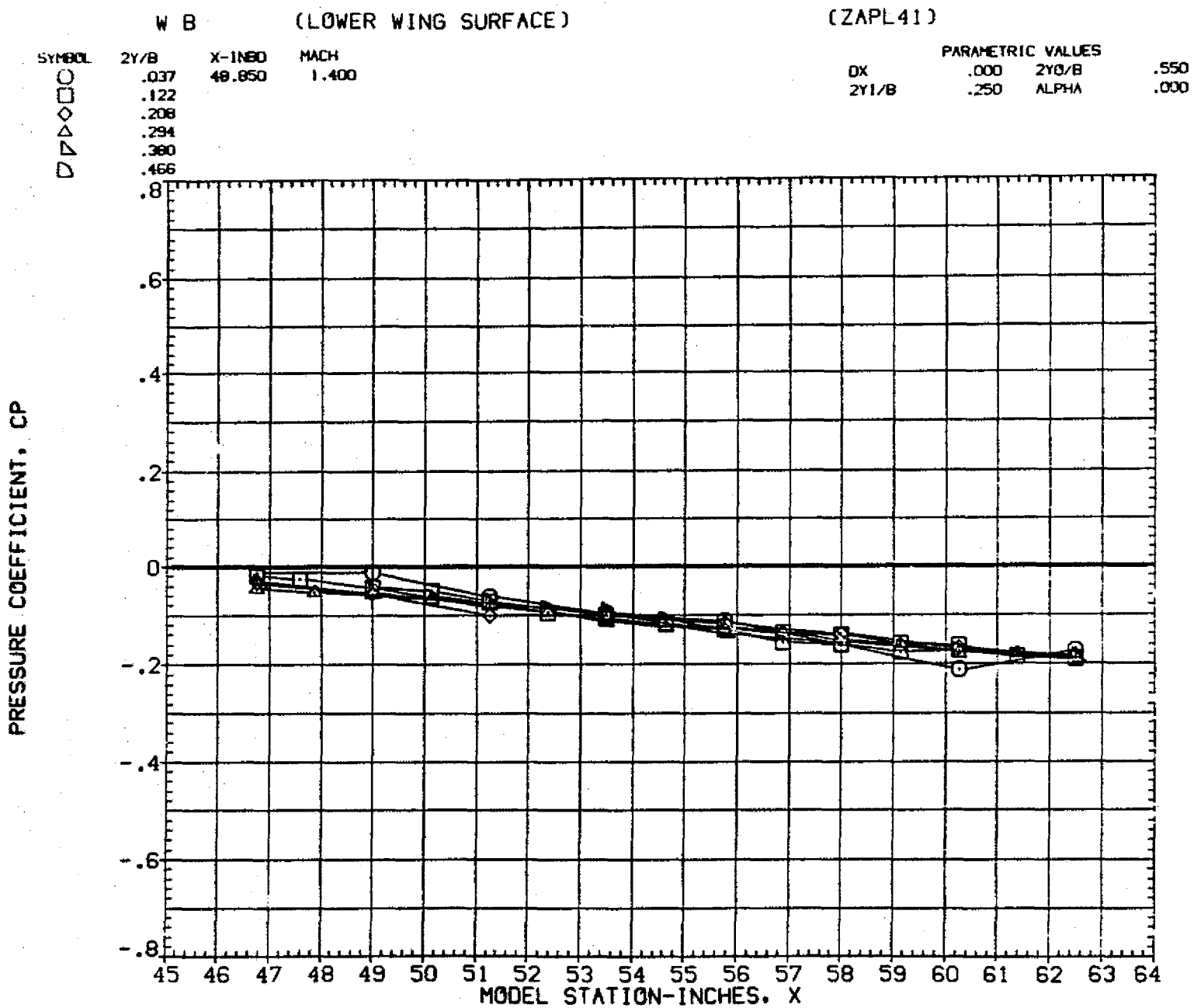


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	48.850	1.400
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

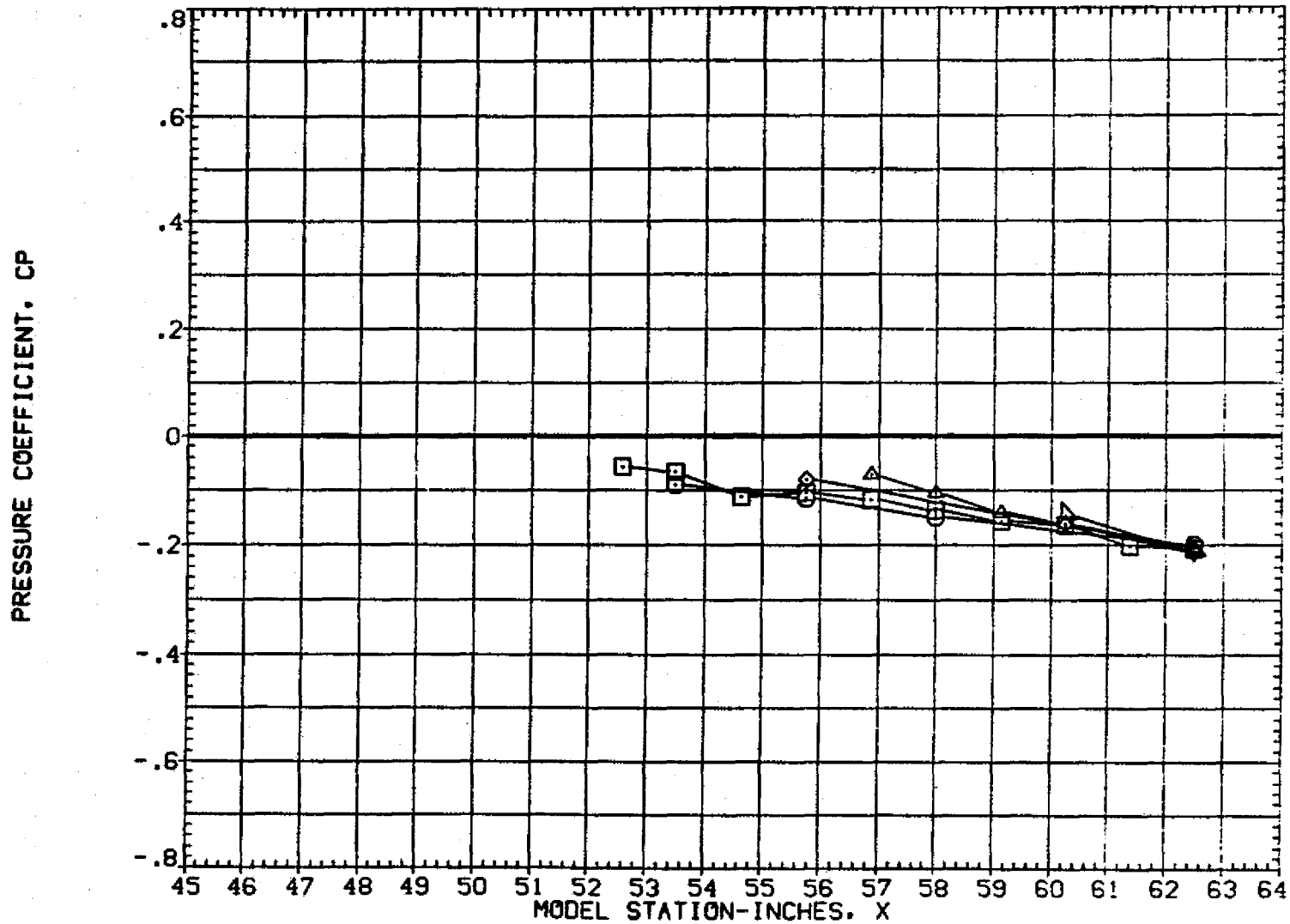


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

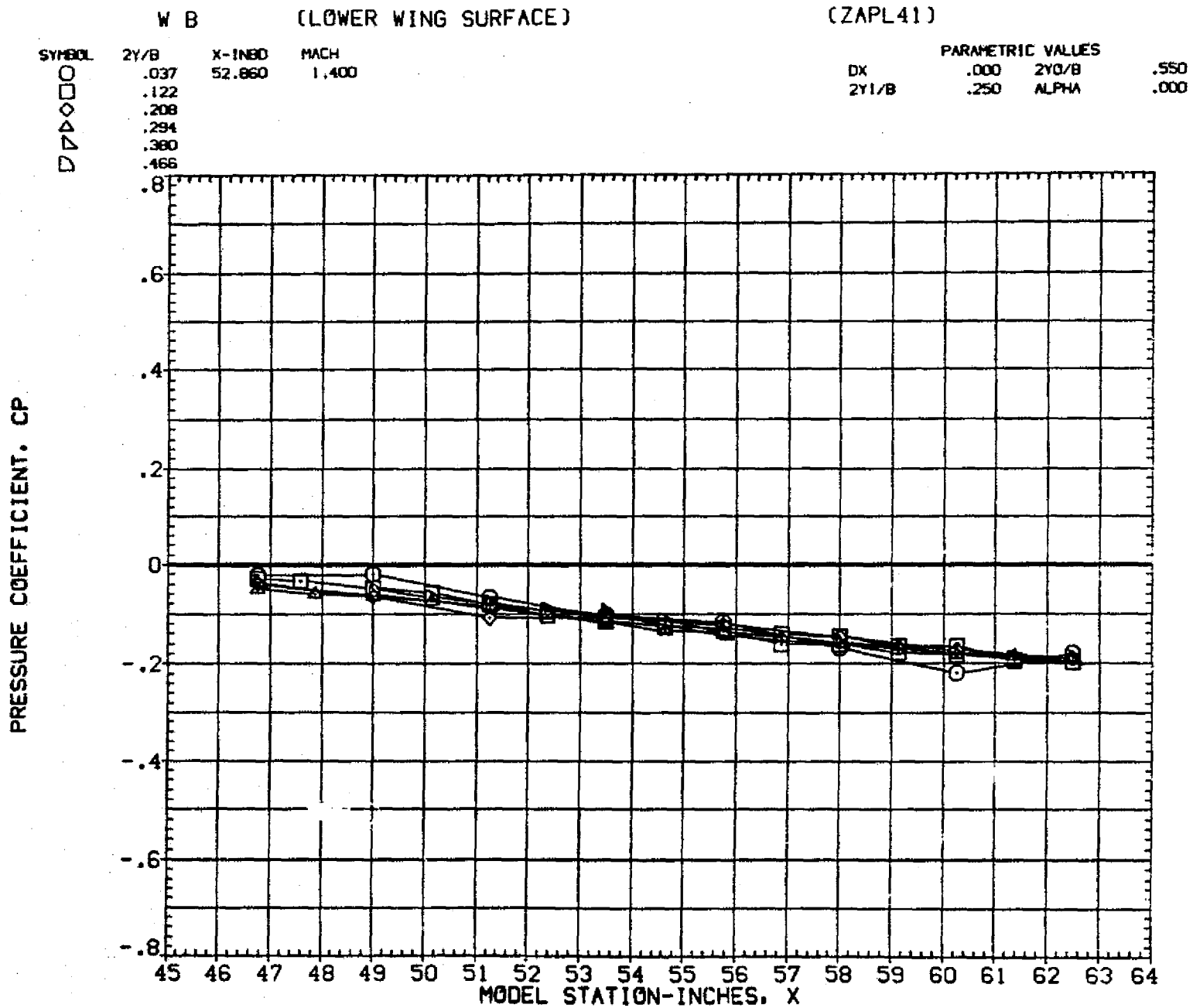


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	52.860	1.400
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

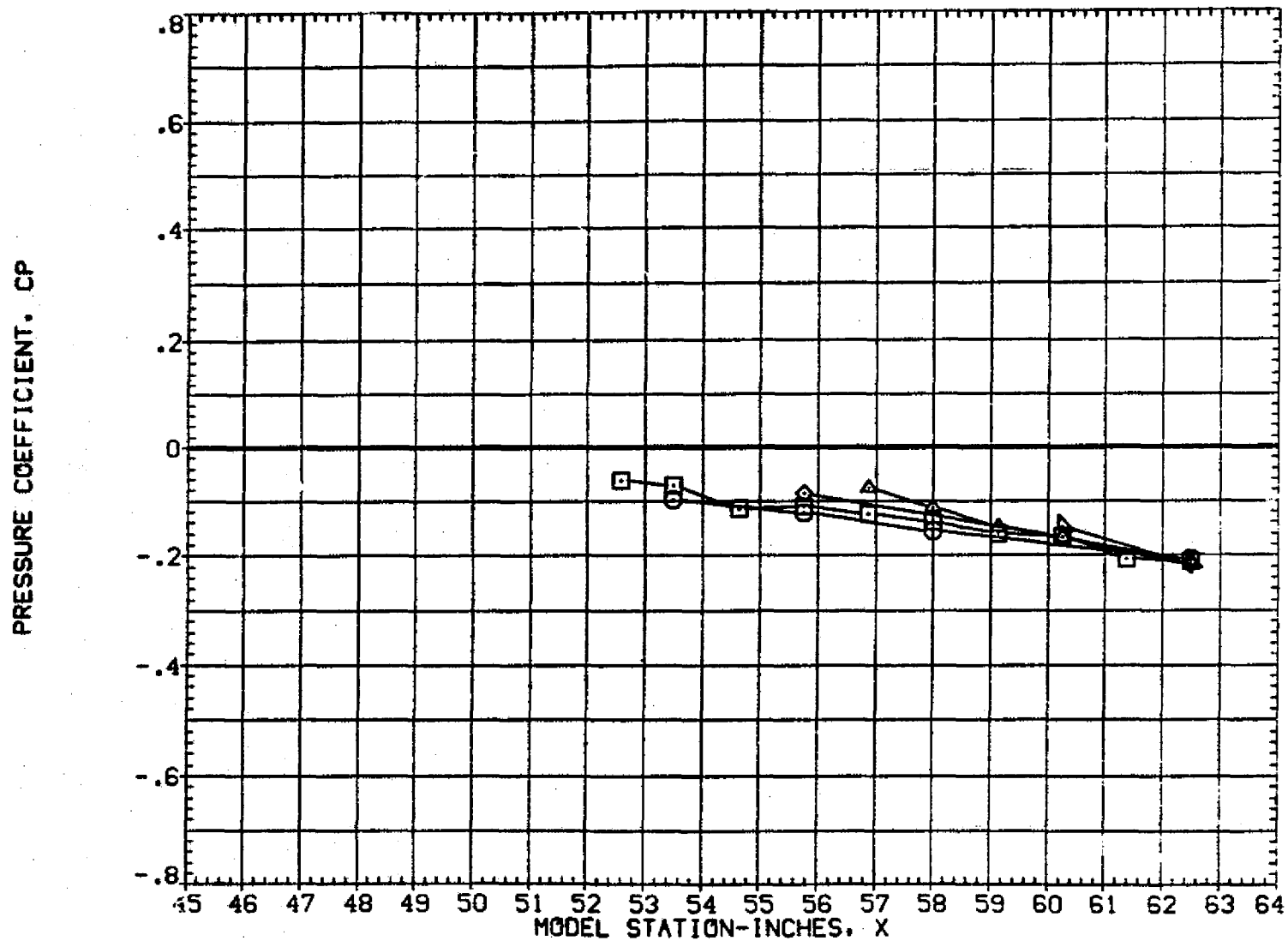


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

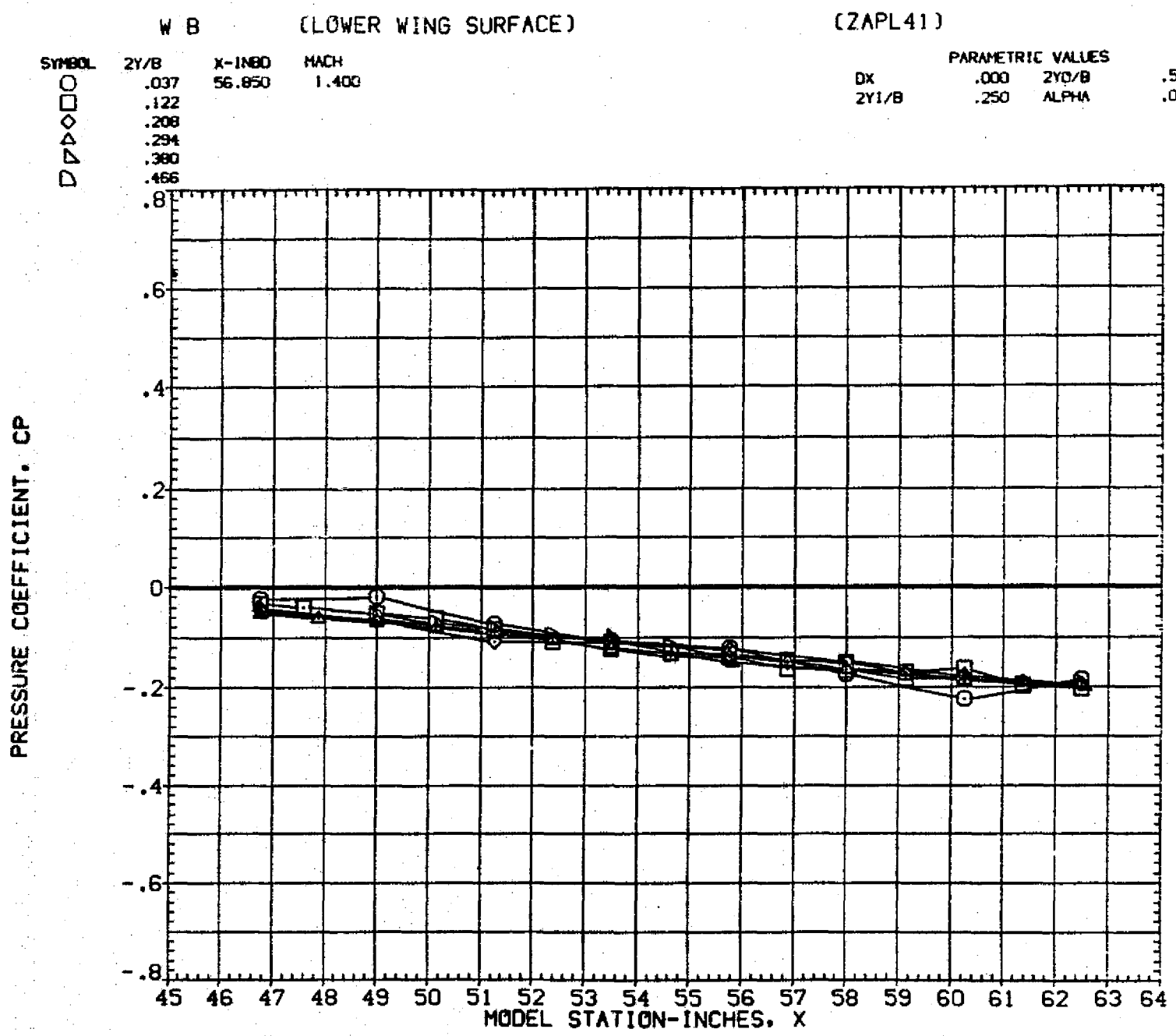


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	56.850	1.400
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

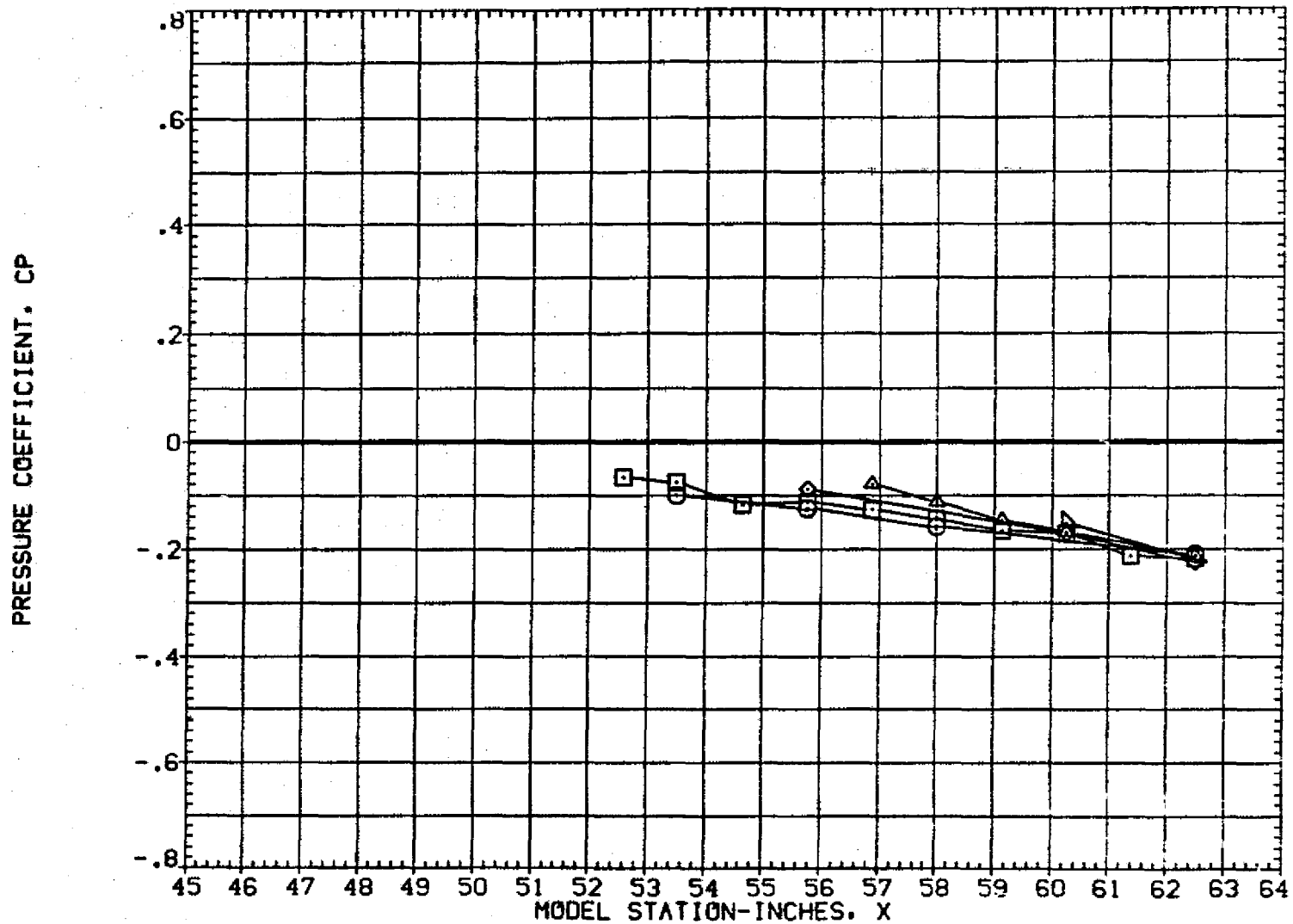


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

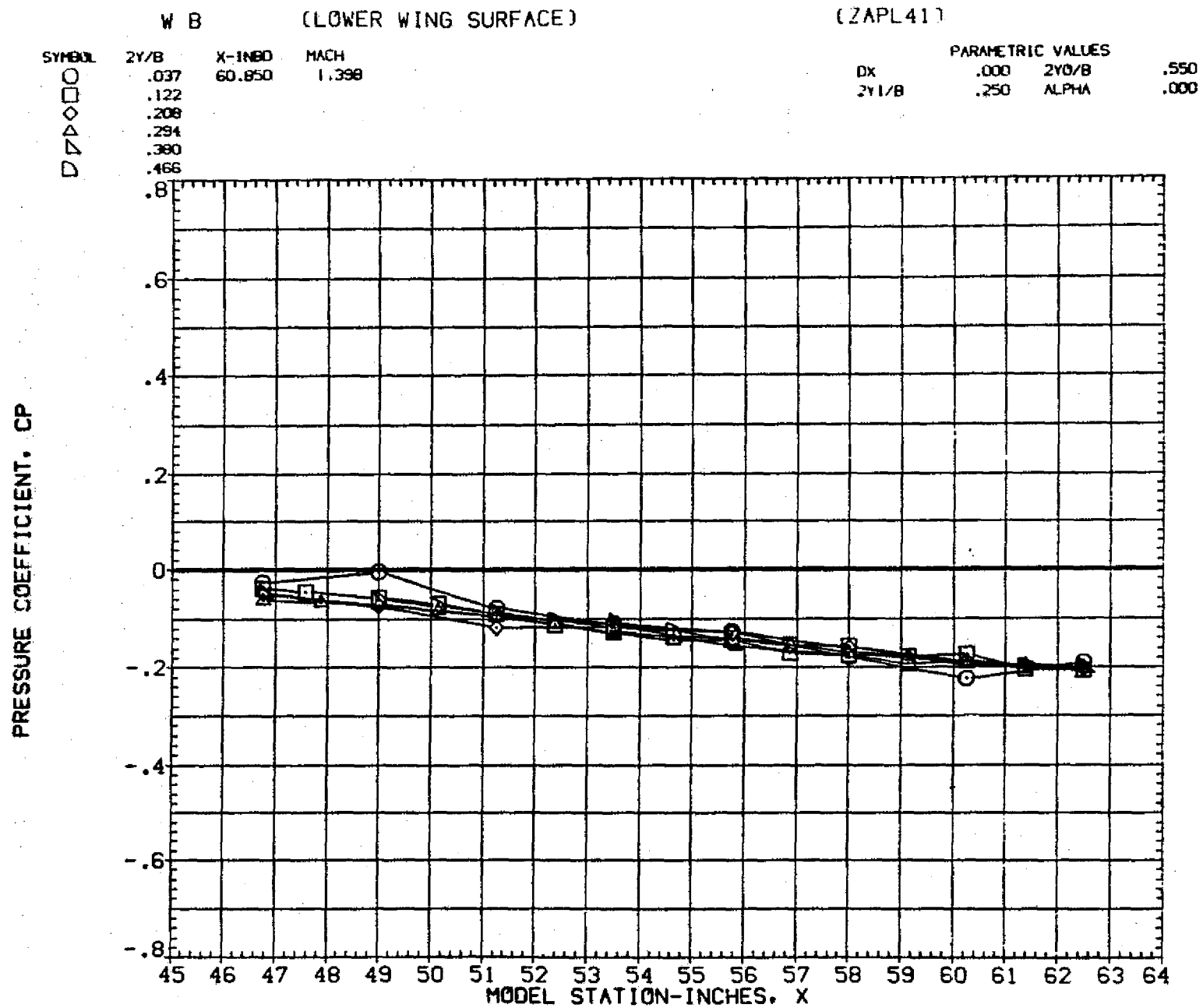


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W 8 (LOWER WING SURFACE) (ZAPL41)

SYMBOL	2Y/B	X-INBD	MACH
○	.551	60.850	1.398
□	.637		
◇	.723		
△	.809		
◺	.895		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

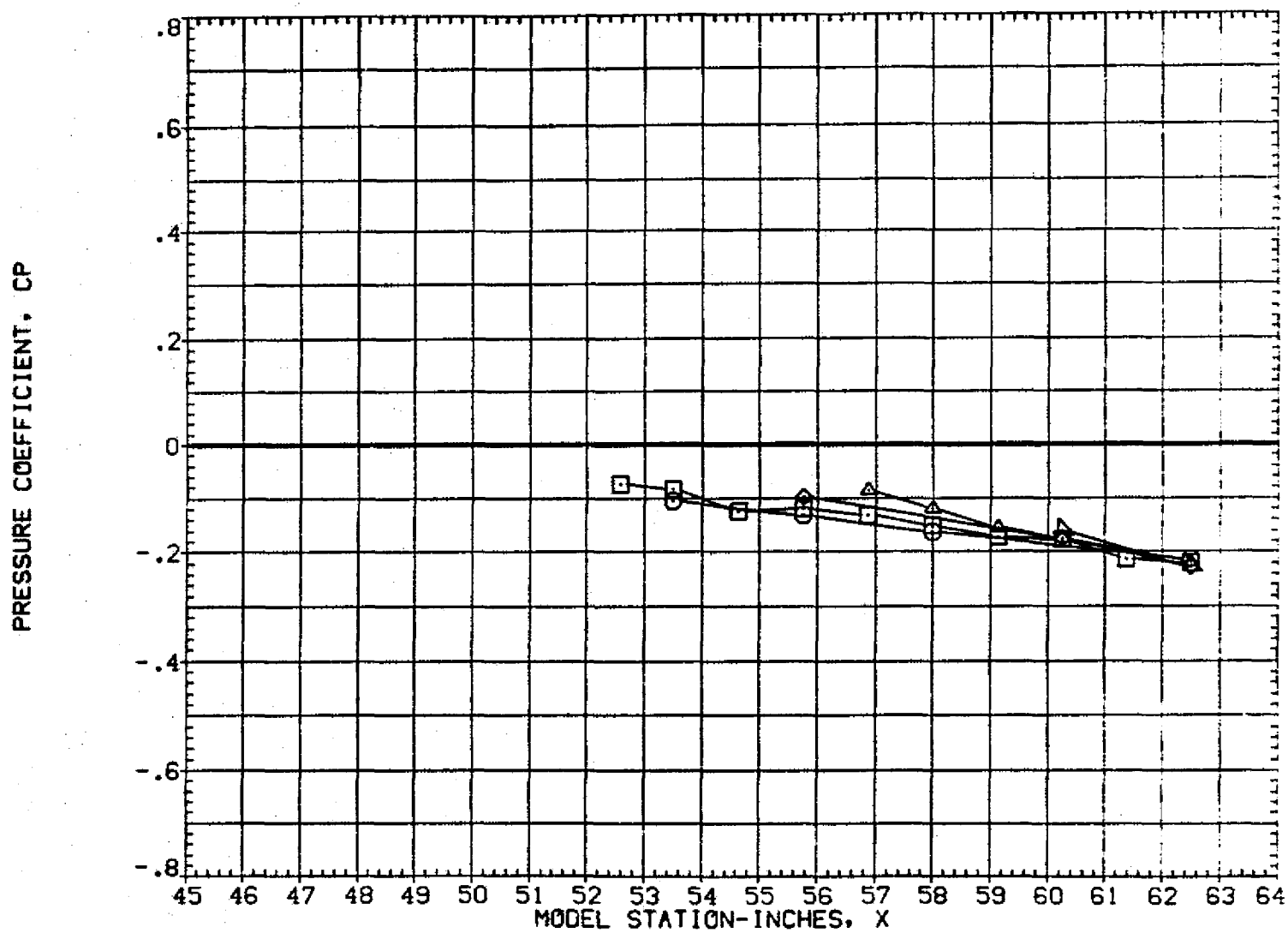


FIG 6 WING LOWER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.990	.903
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.350
2YI/B	.250	ALPHA	.000

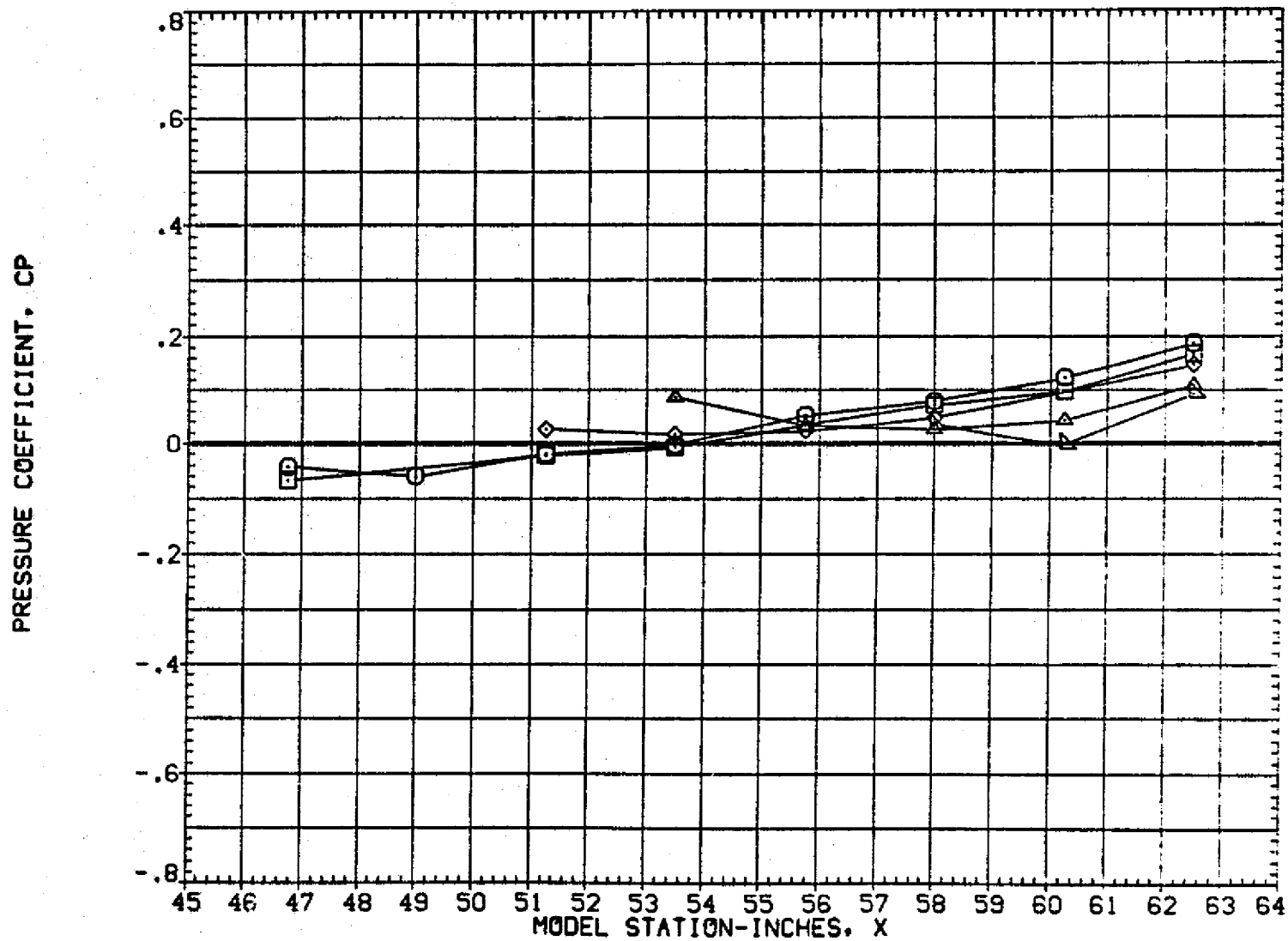


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.980	.902
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

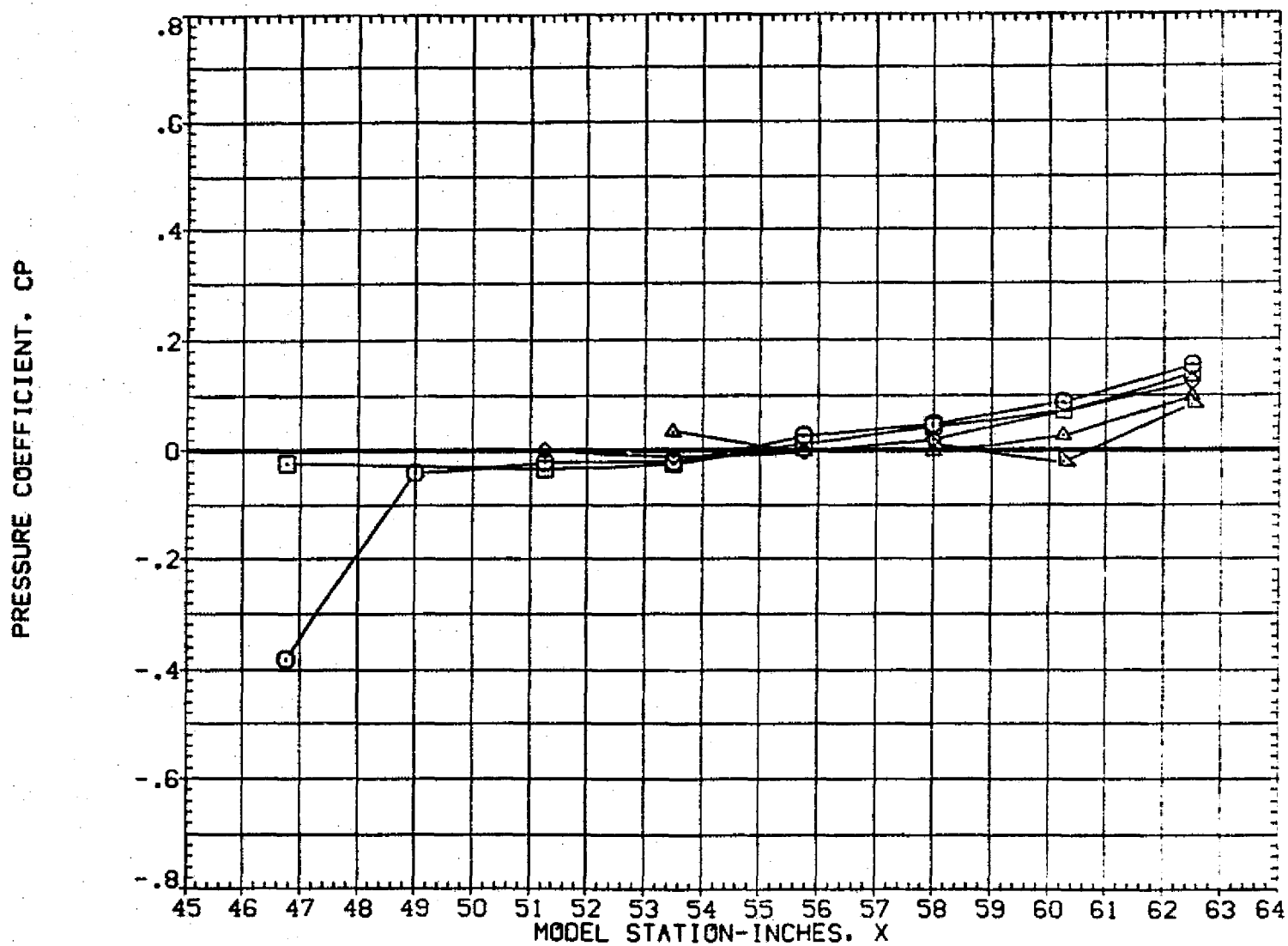


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.000	.901
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

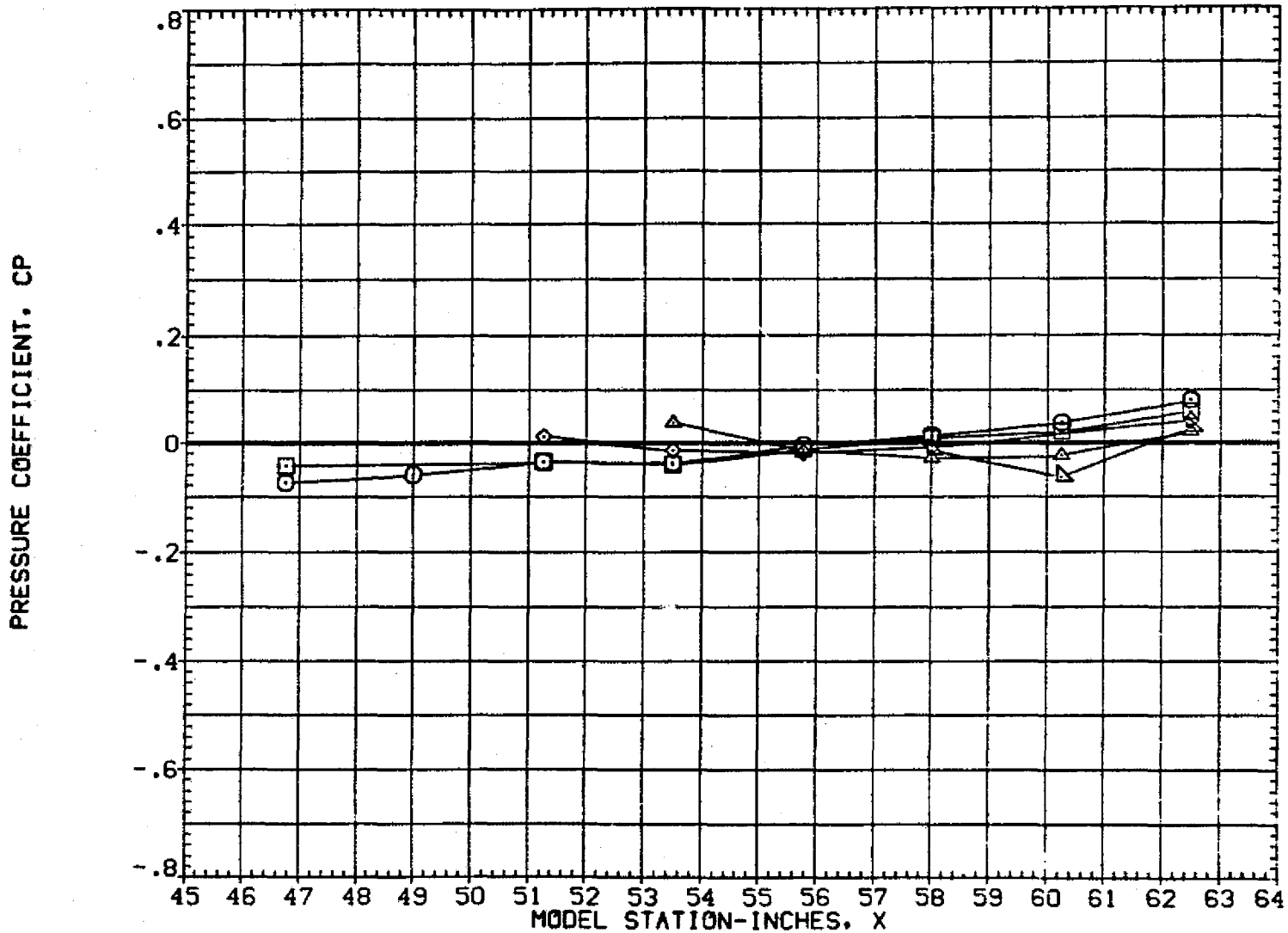


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

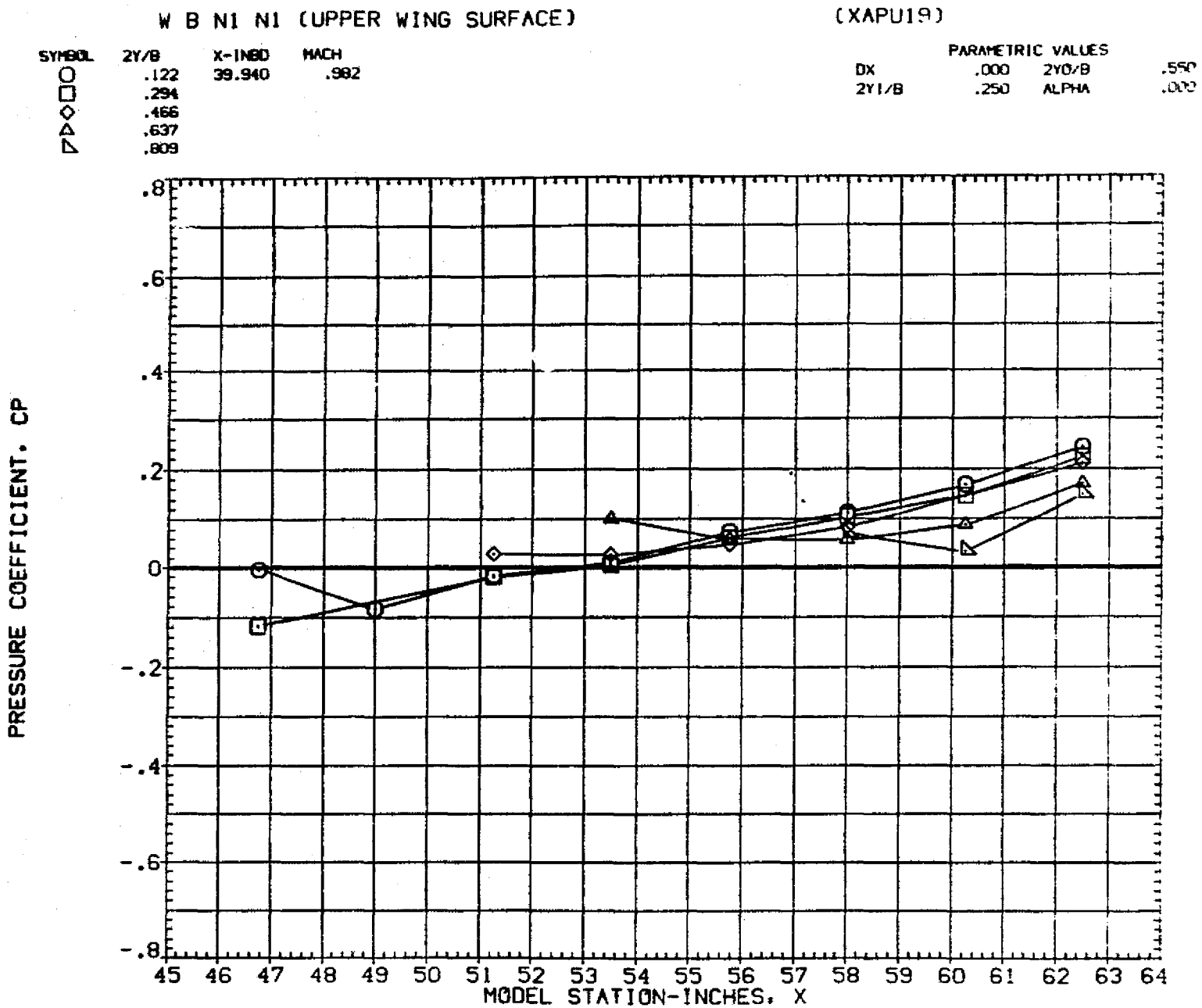


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.960	.983
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

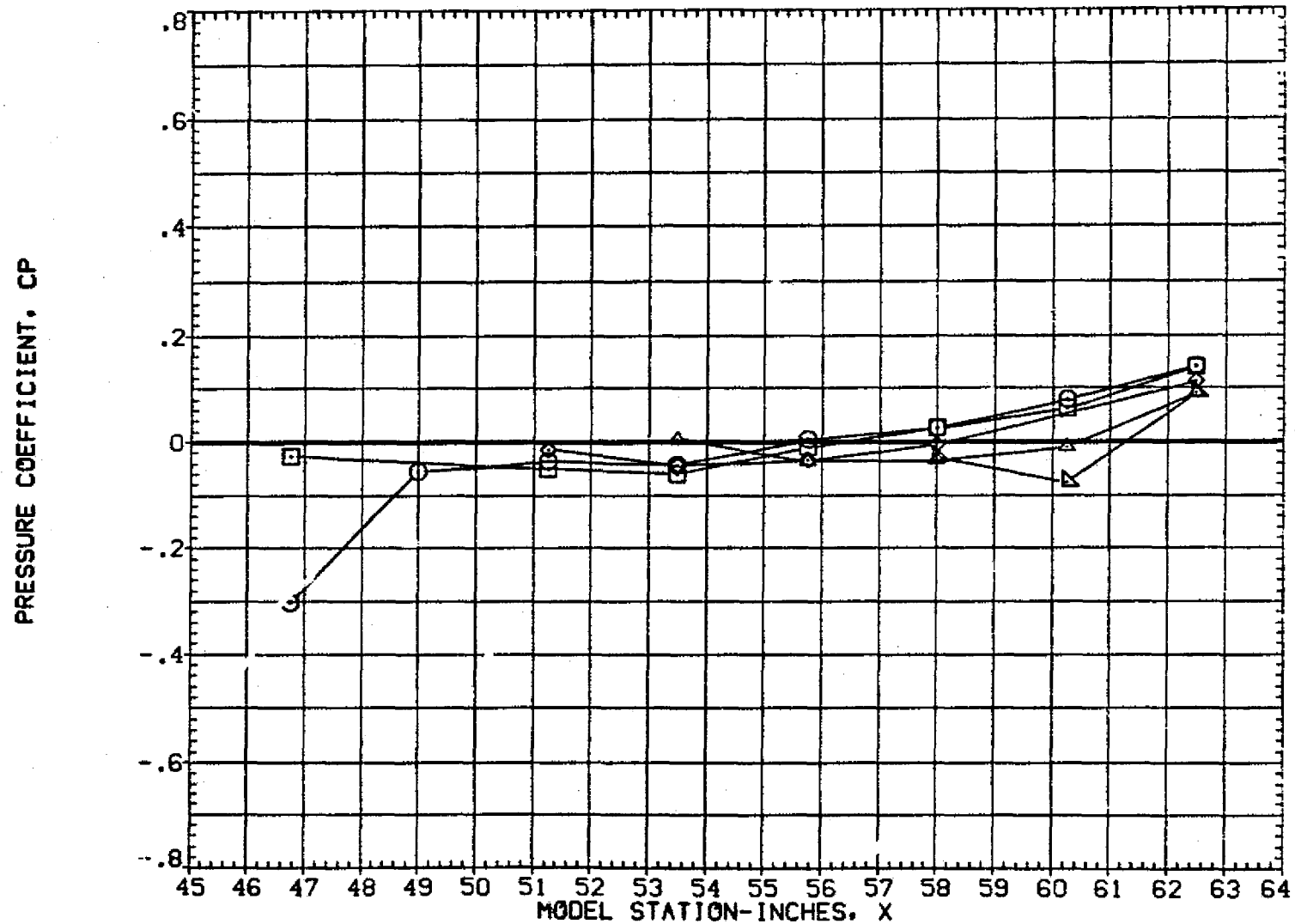


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.000	.985
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

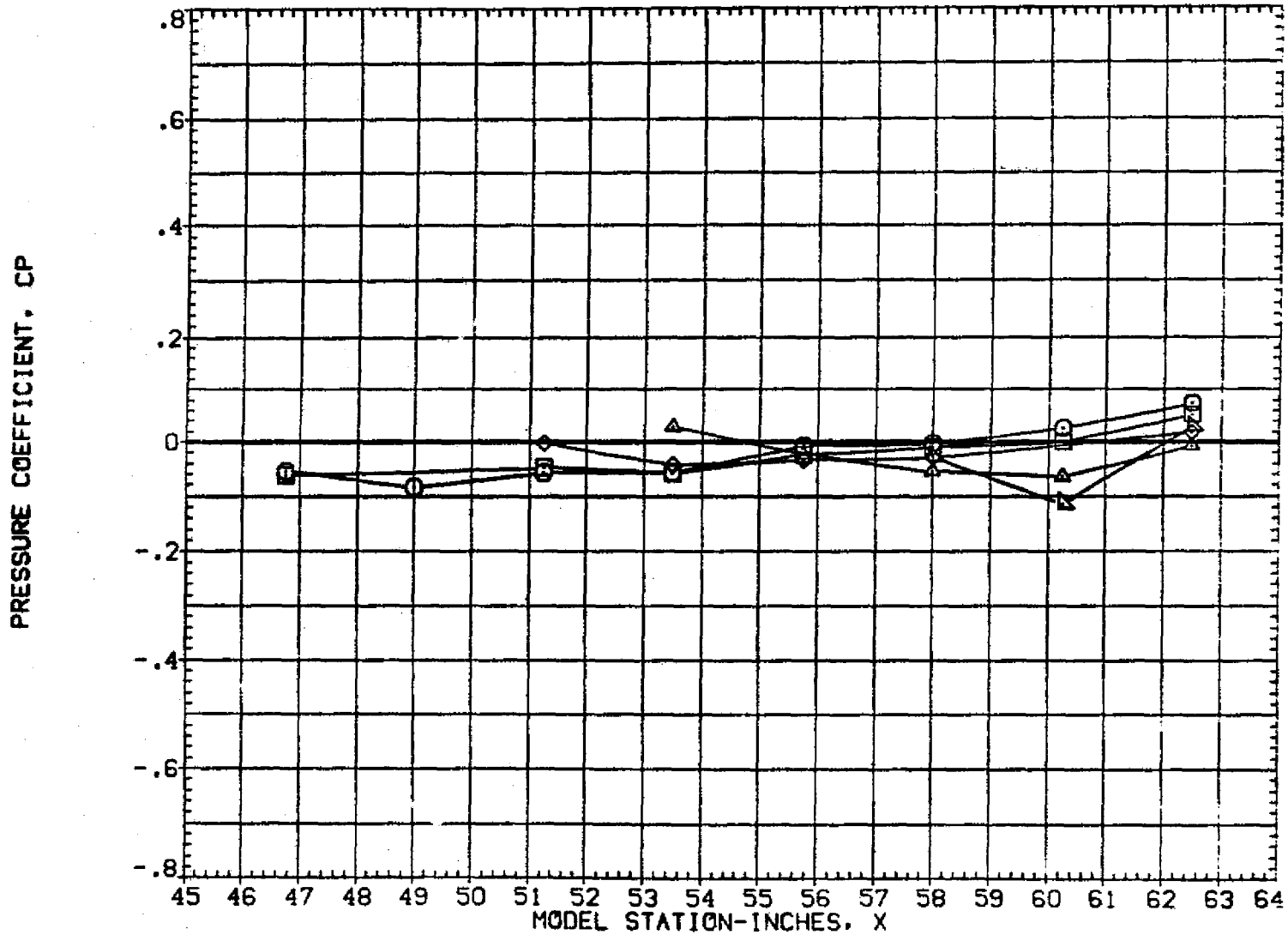


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

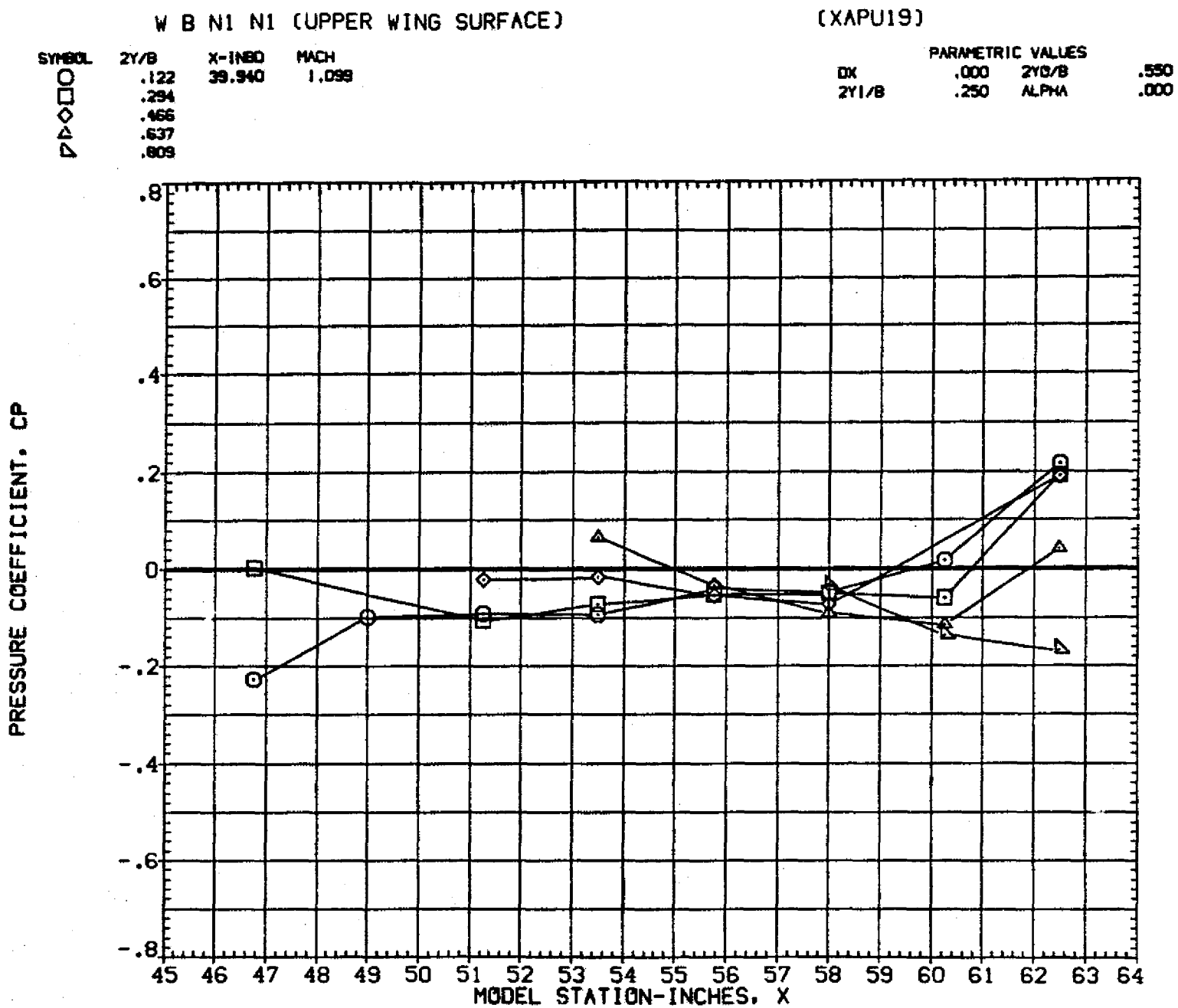


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.960	1.098
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

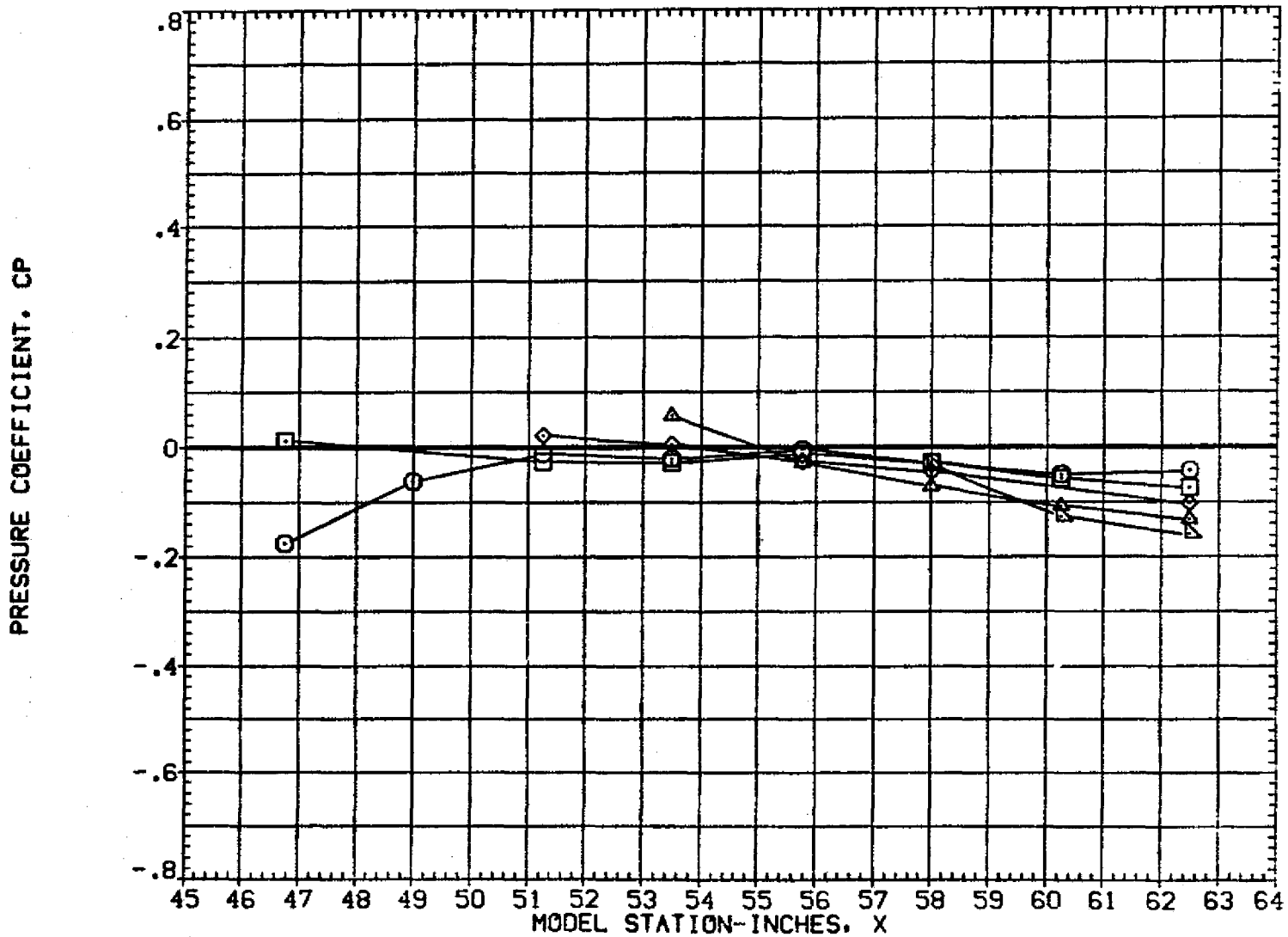


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	55.990	1.096
□	.294		
◇	.466		
△	.637		
▽	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

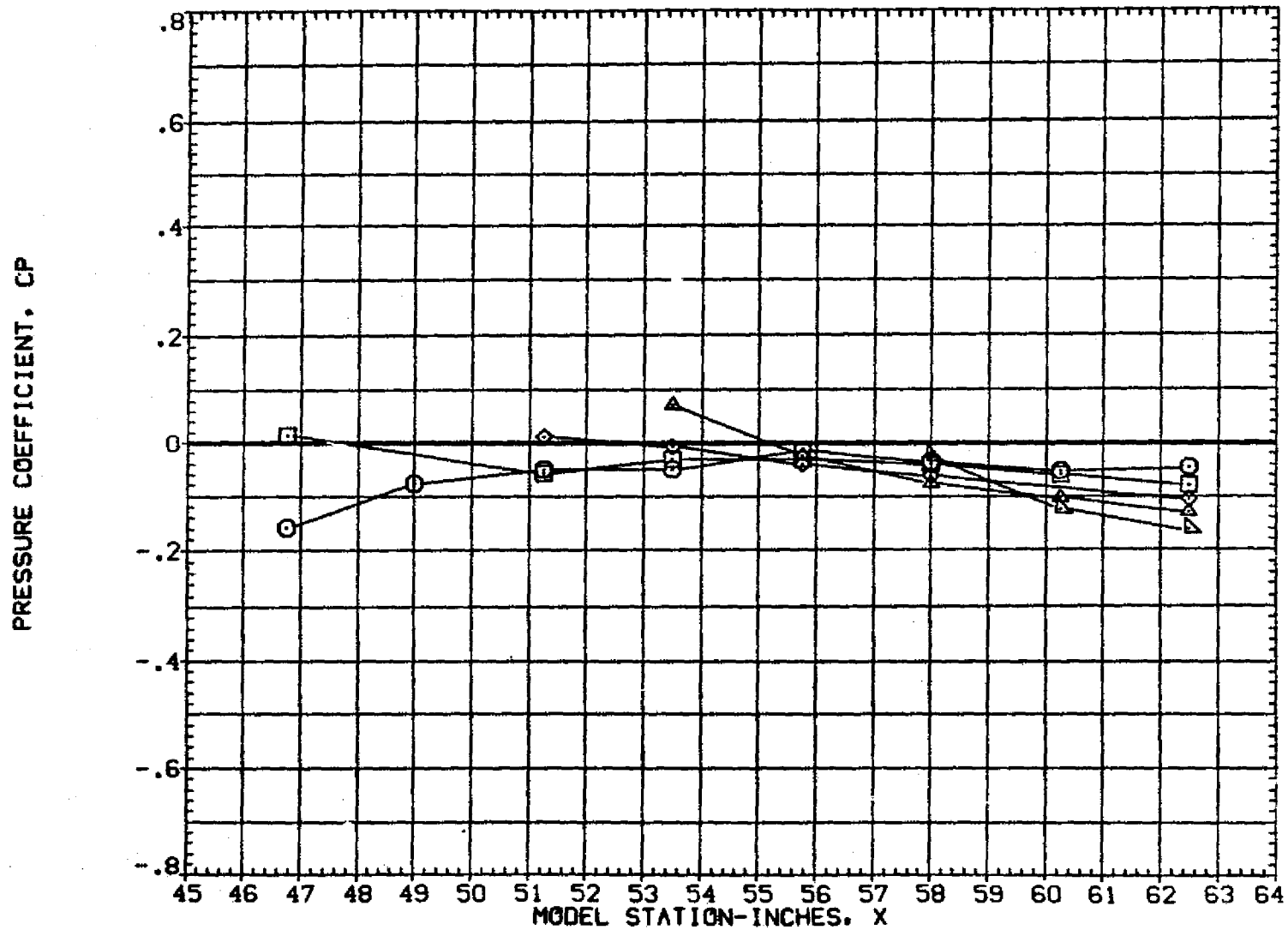


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.930	1.151
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

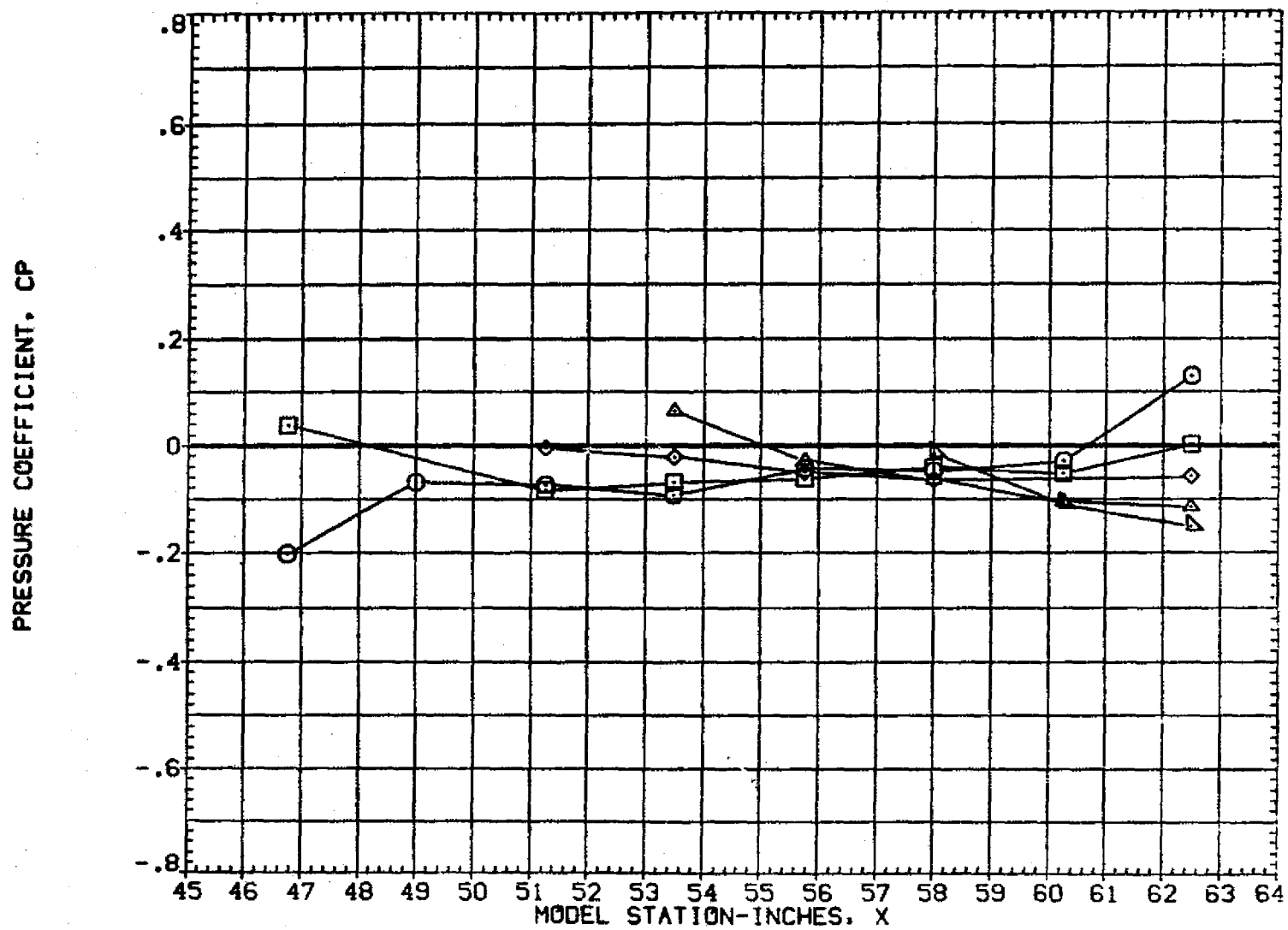


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.950	1.152
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

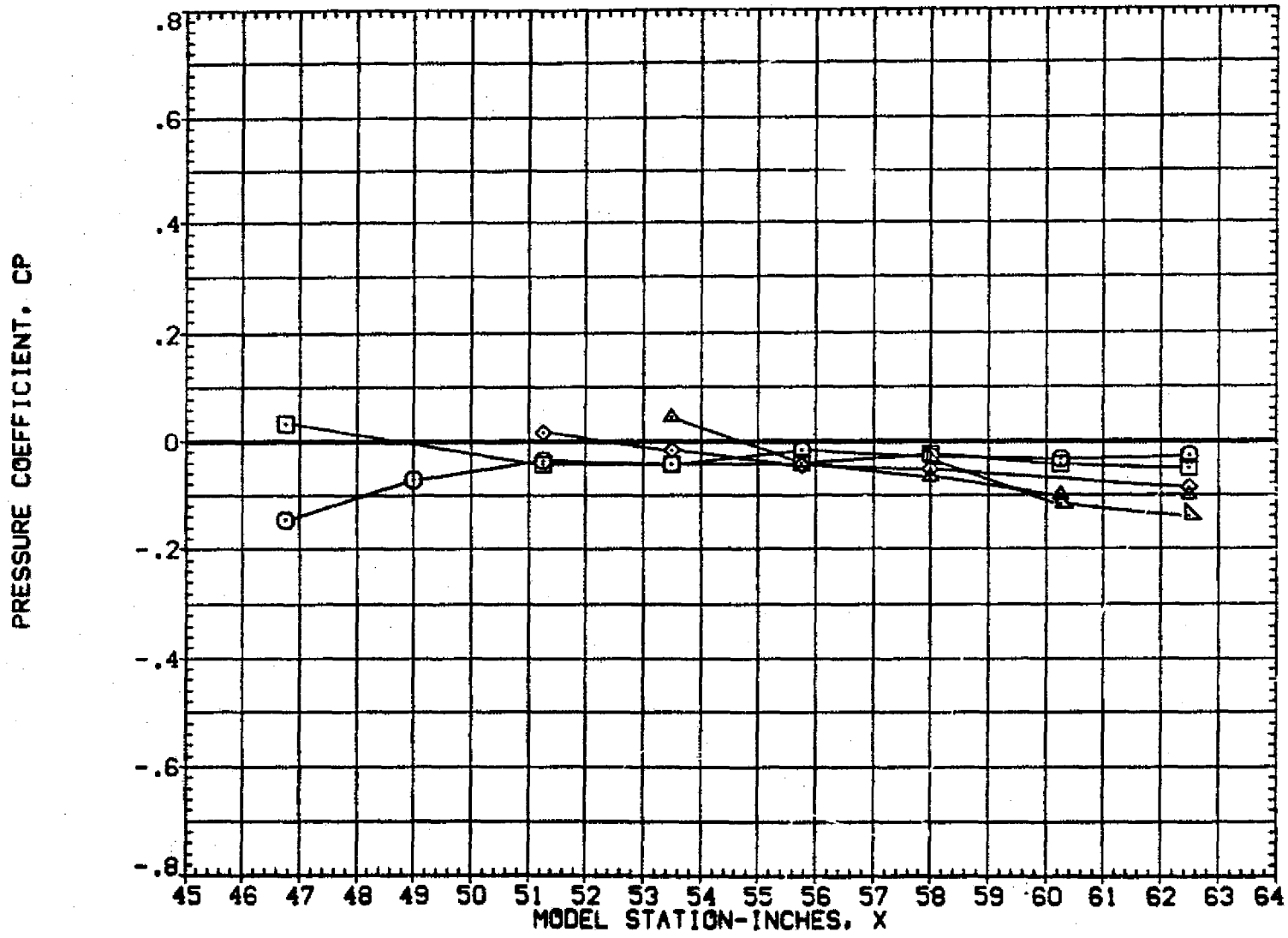


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	55.990	1.153
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

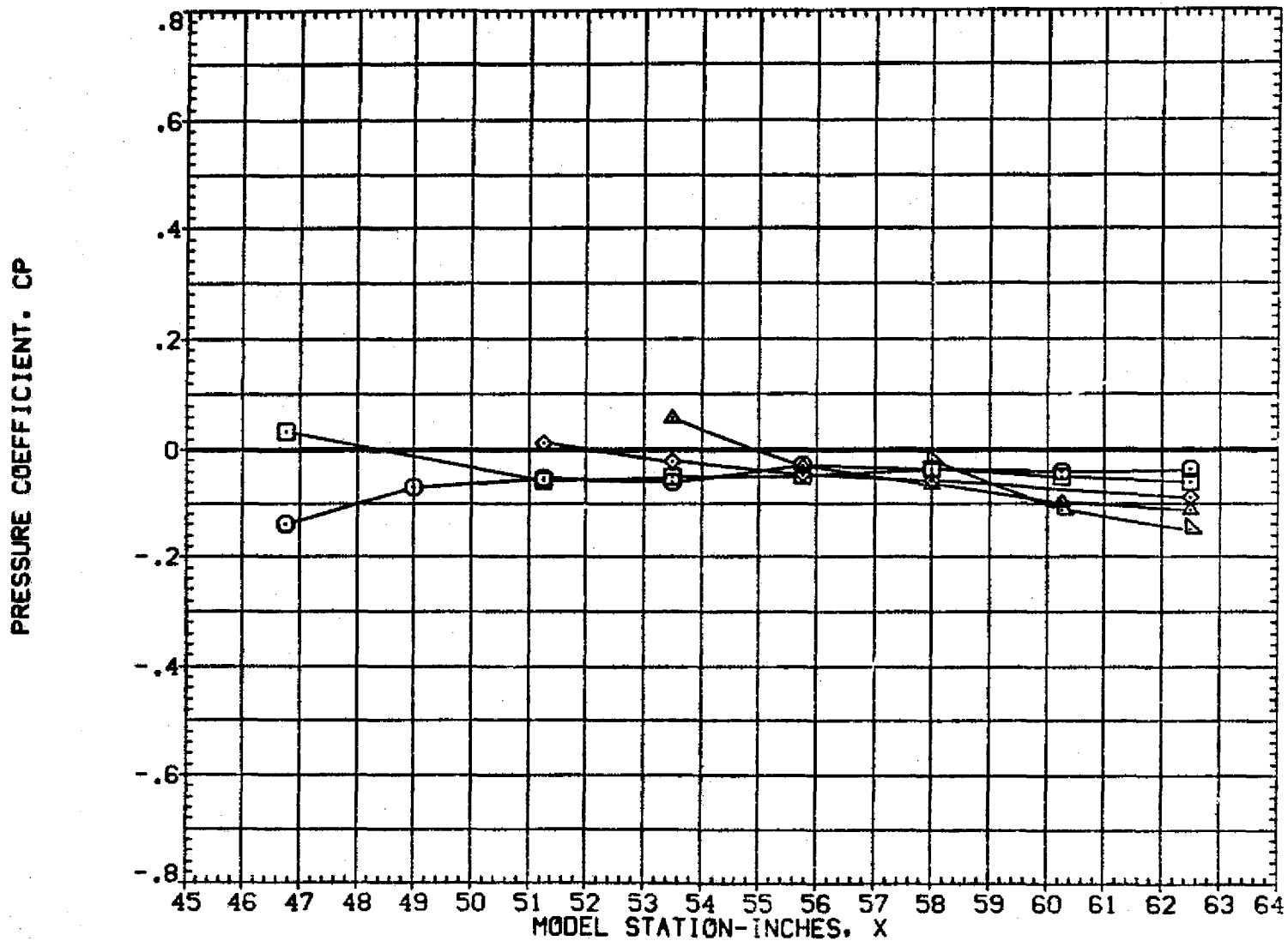


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.990	1.170
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

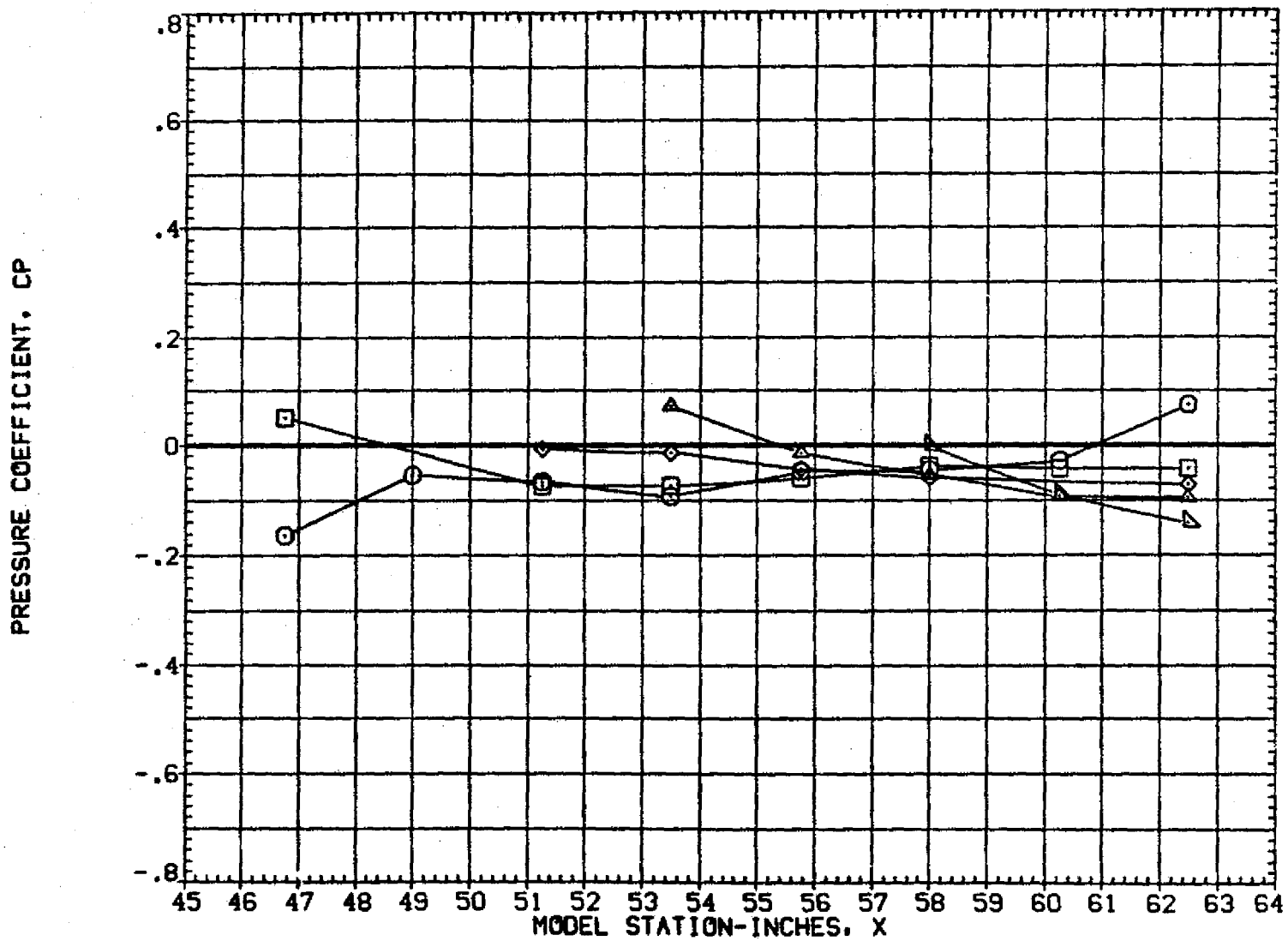


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.970	1.170
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

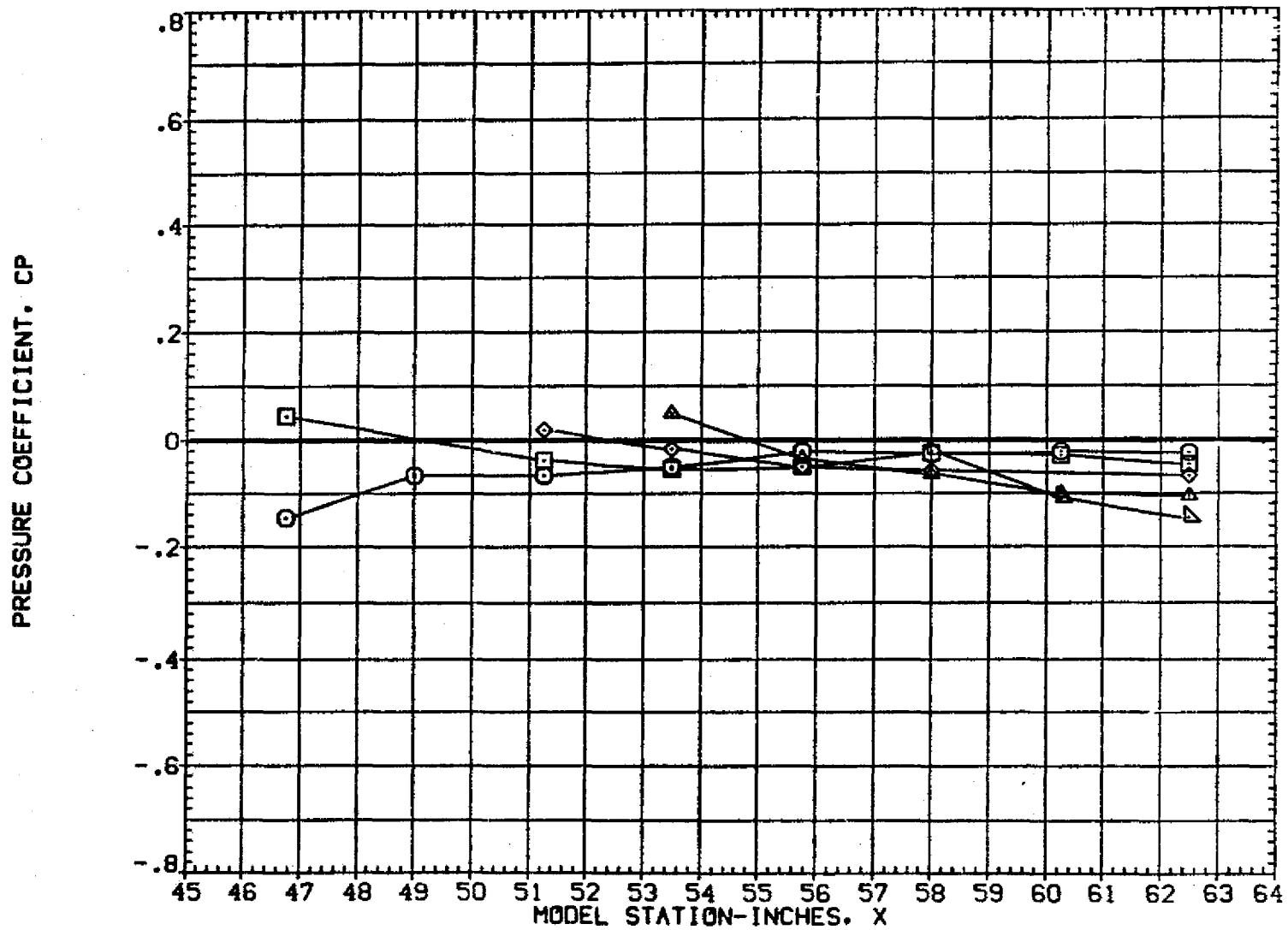


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.010	1.165
□	.294		
◇	.466		
△	.637		
▷	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

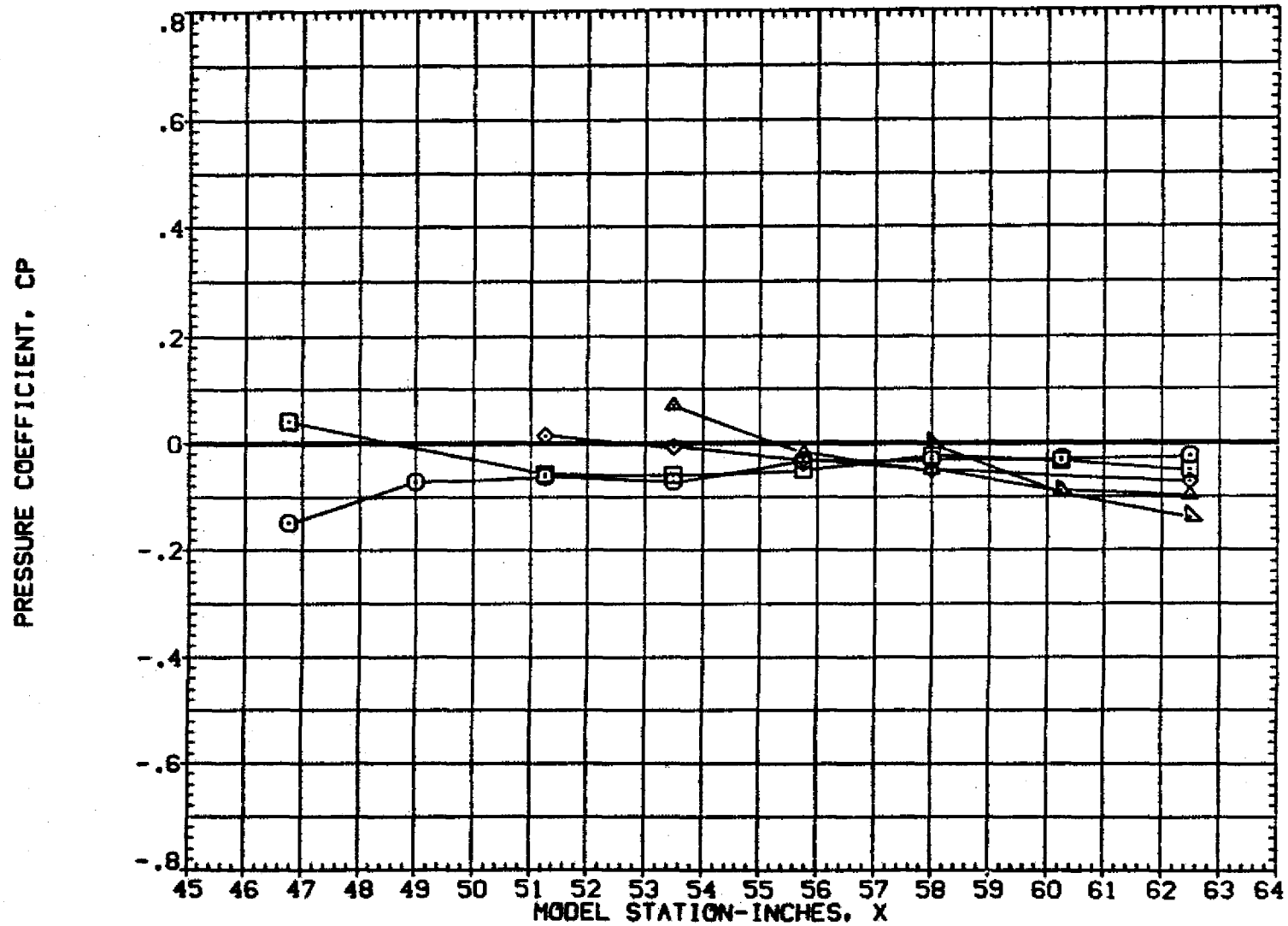


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.790	1.296
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

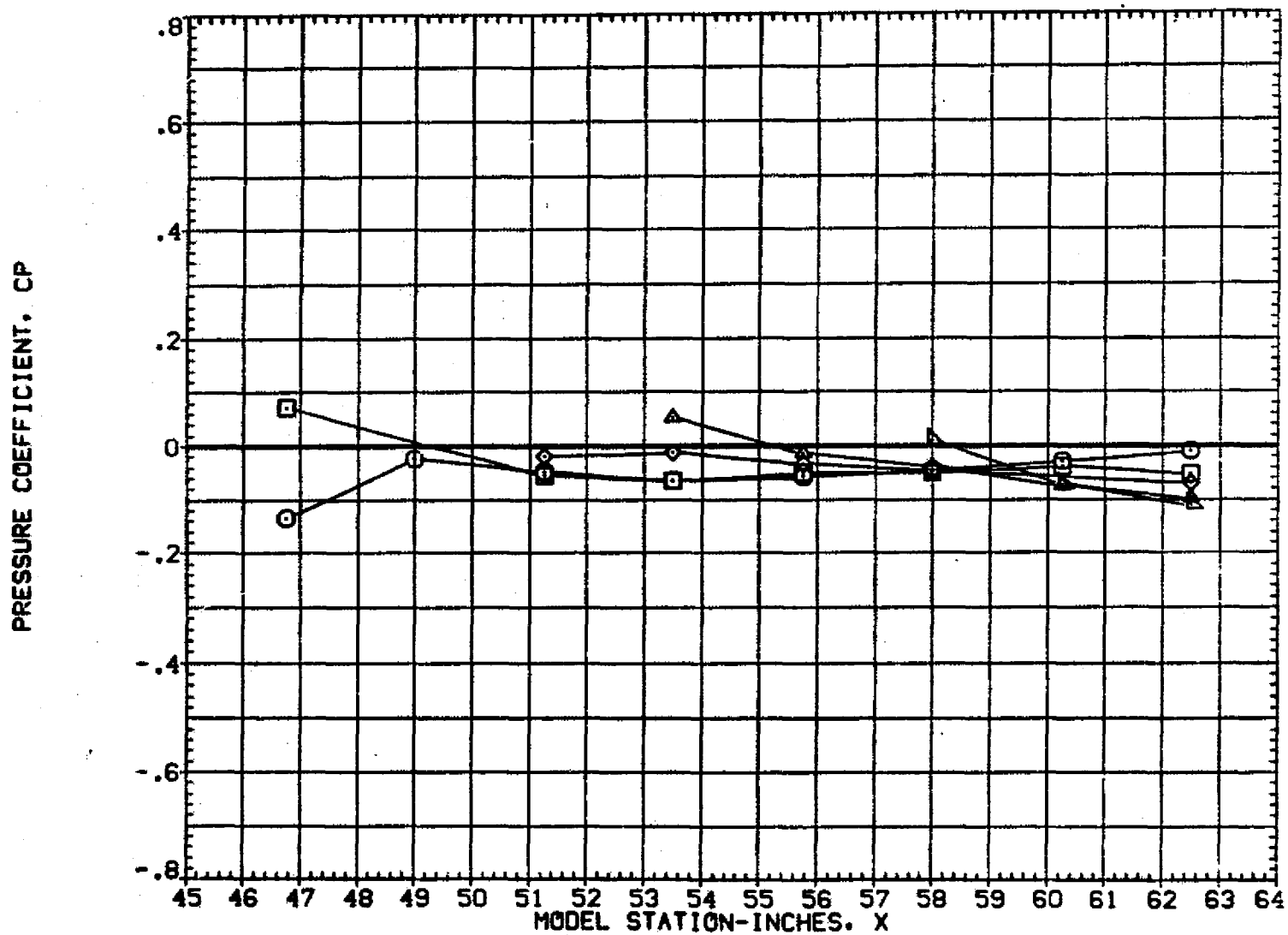


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.780	1.294
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

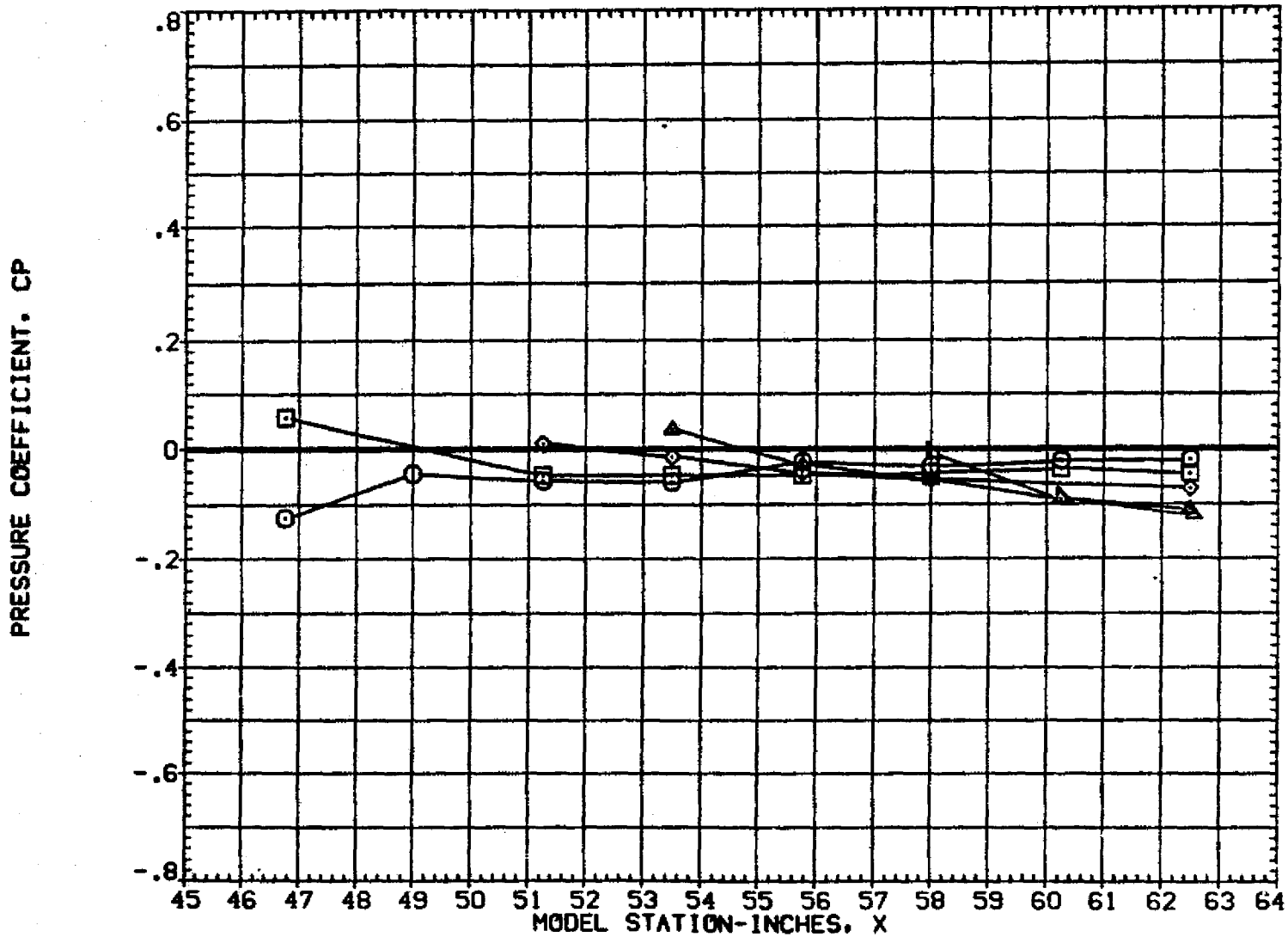


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	55.690	1.236
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

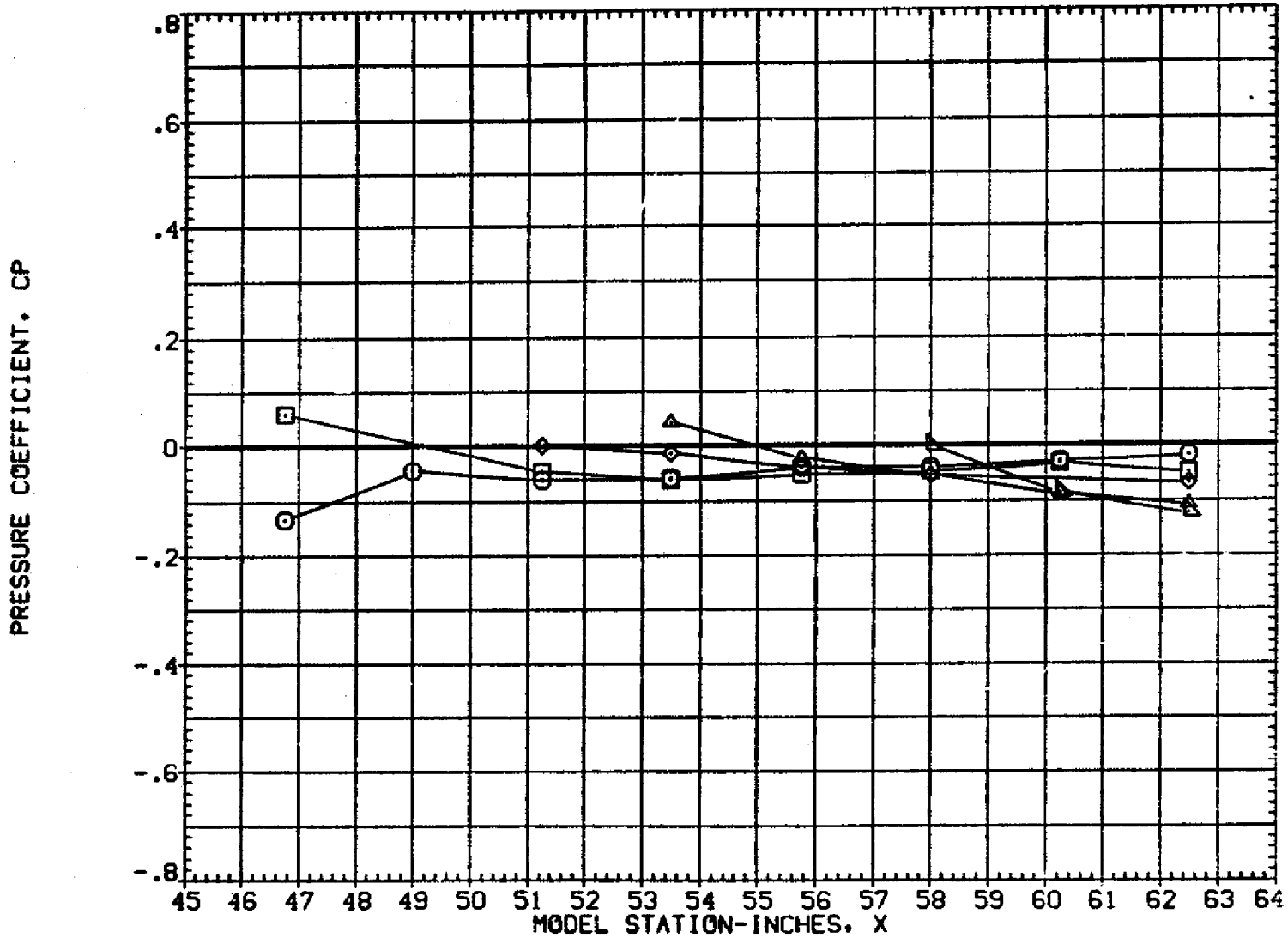


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.350	1.395
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

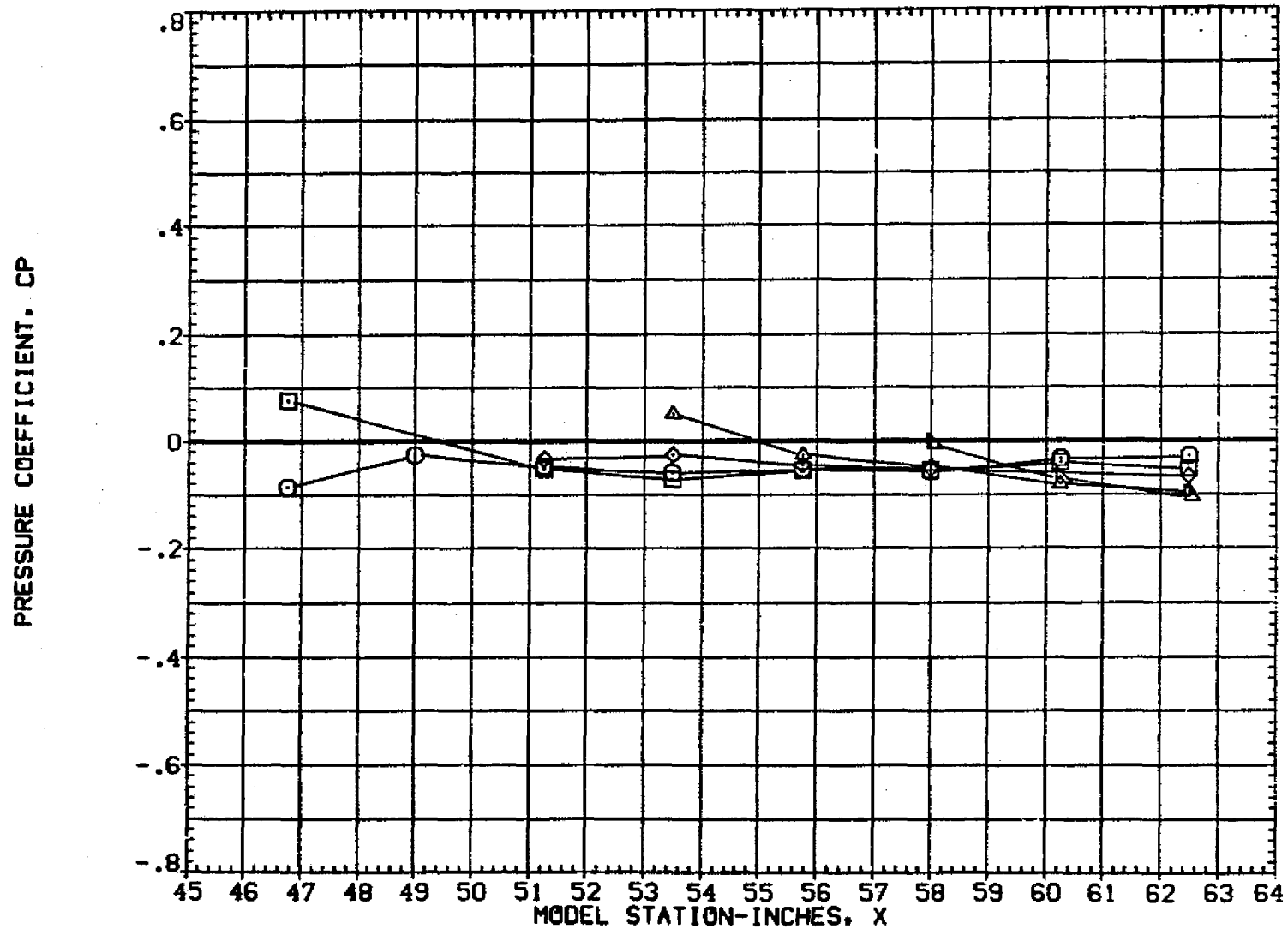


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.980	1.395
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

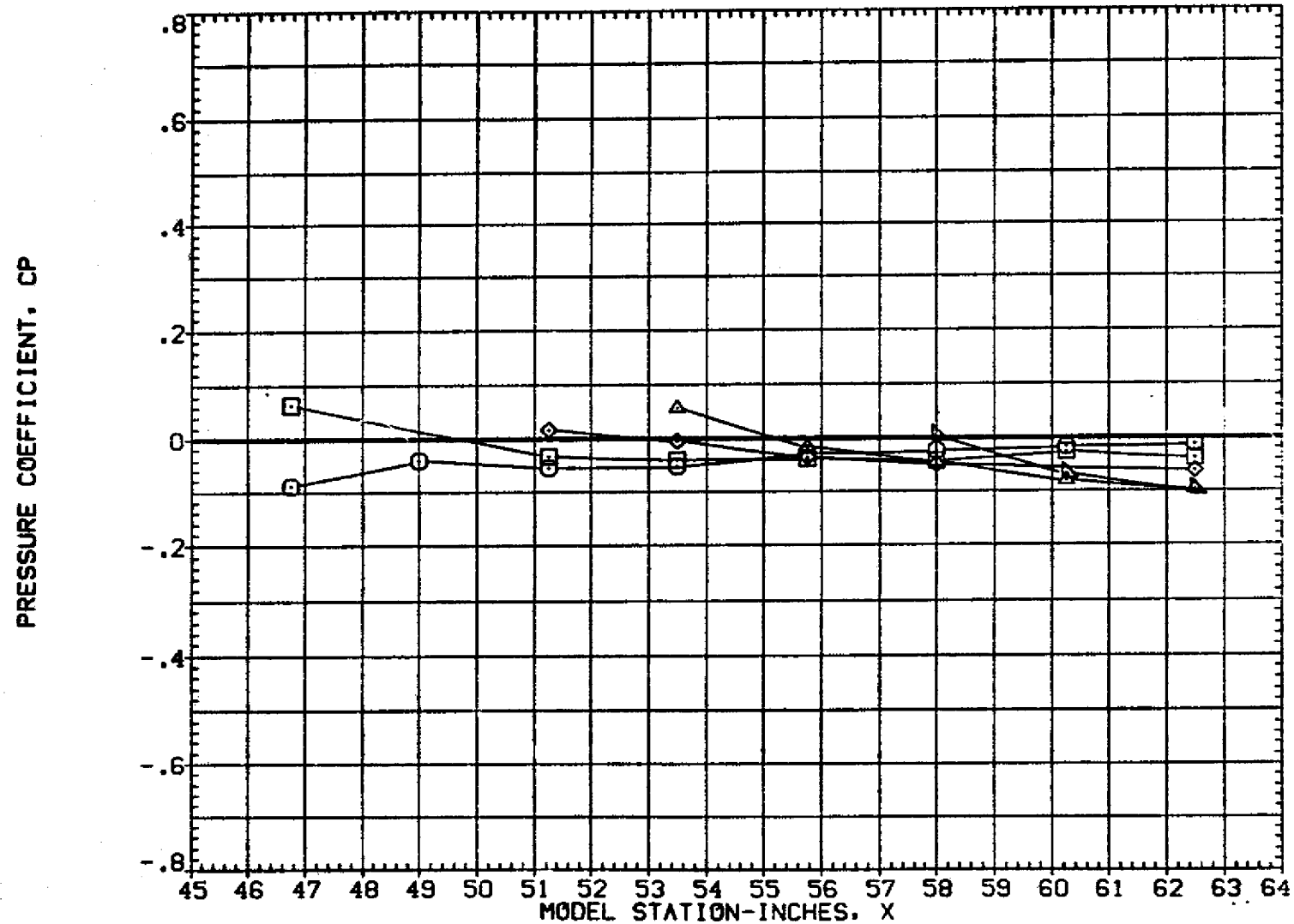


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (XAPU19)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.000	1.393
□	.294		
◇	.466		
△	.637		
▷	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

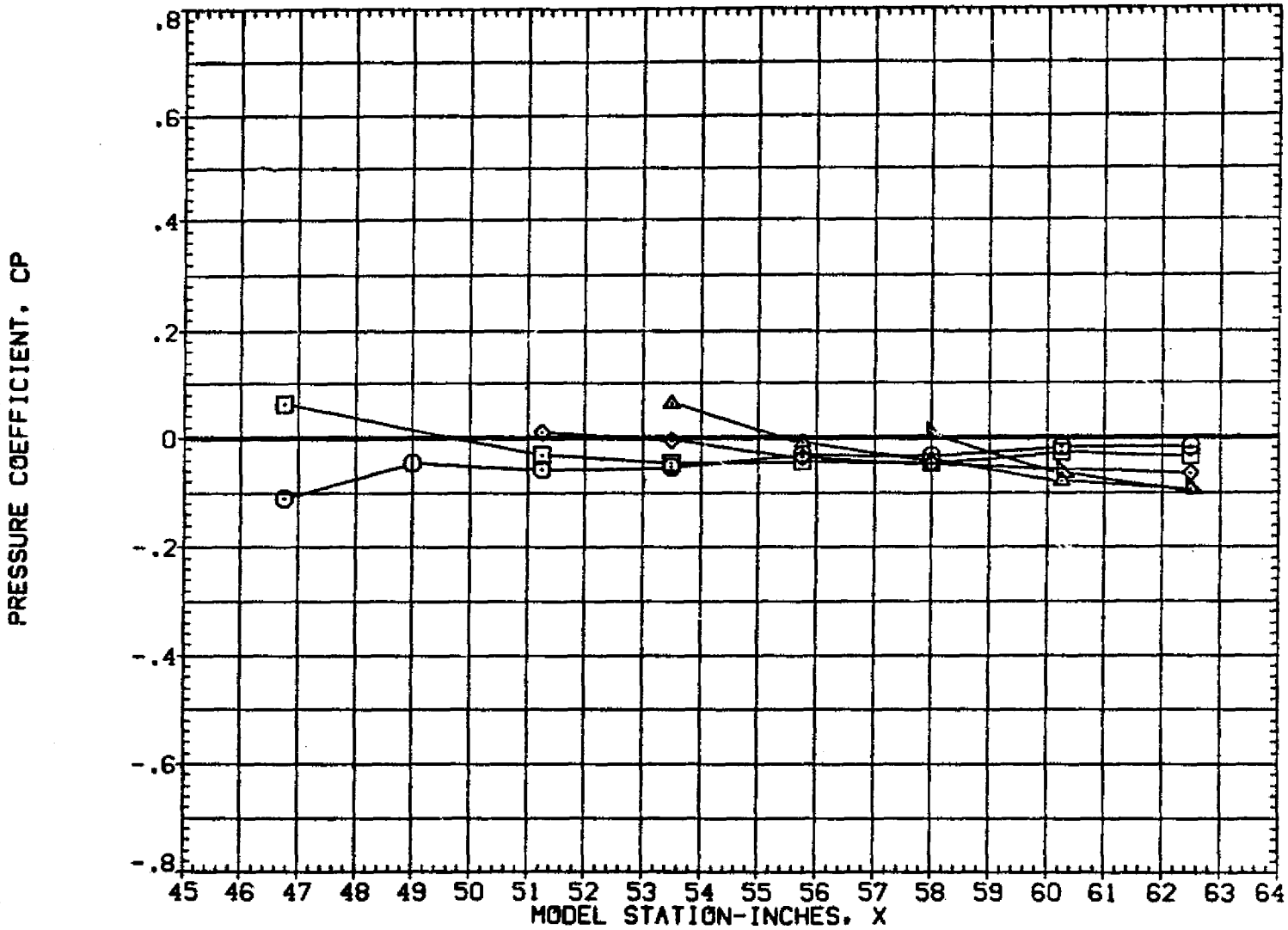


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.970	.984
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	8.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

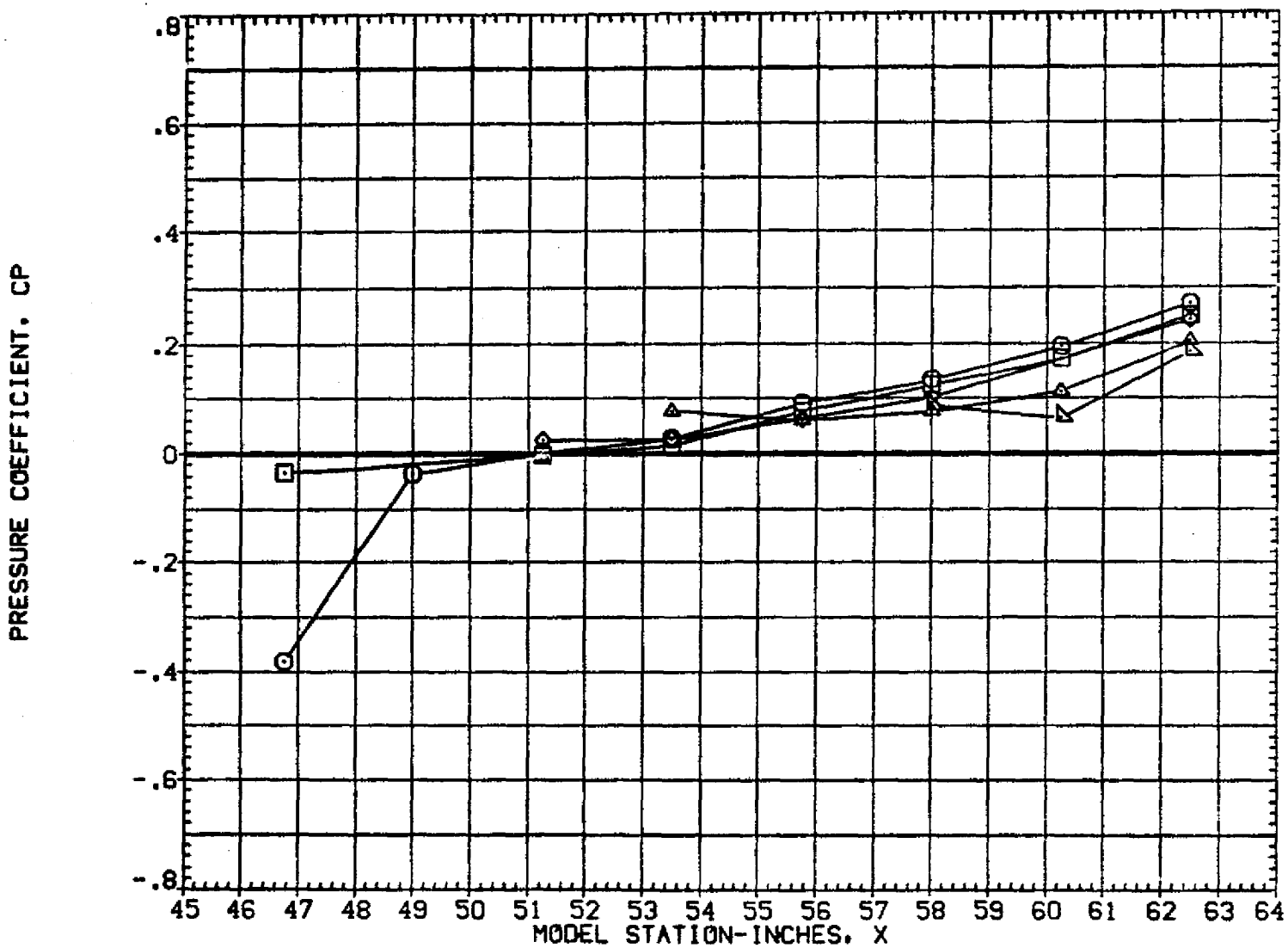


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.990	.981
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	8.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

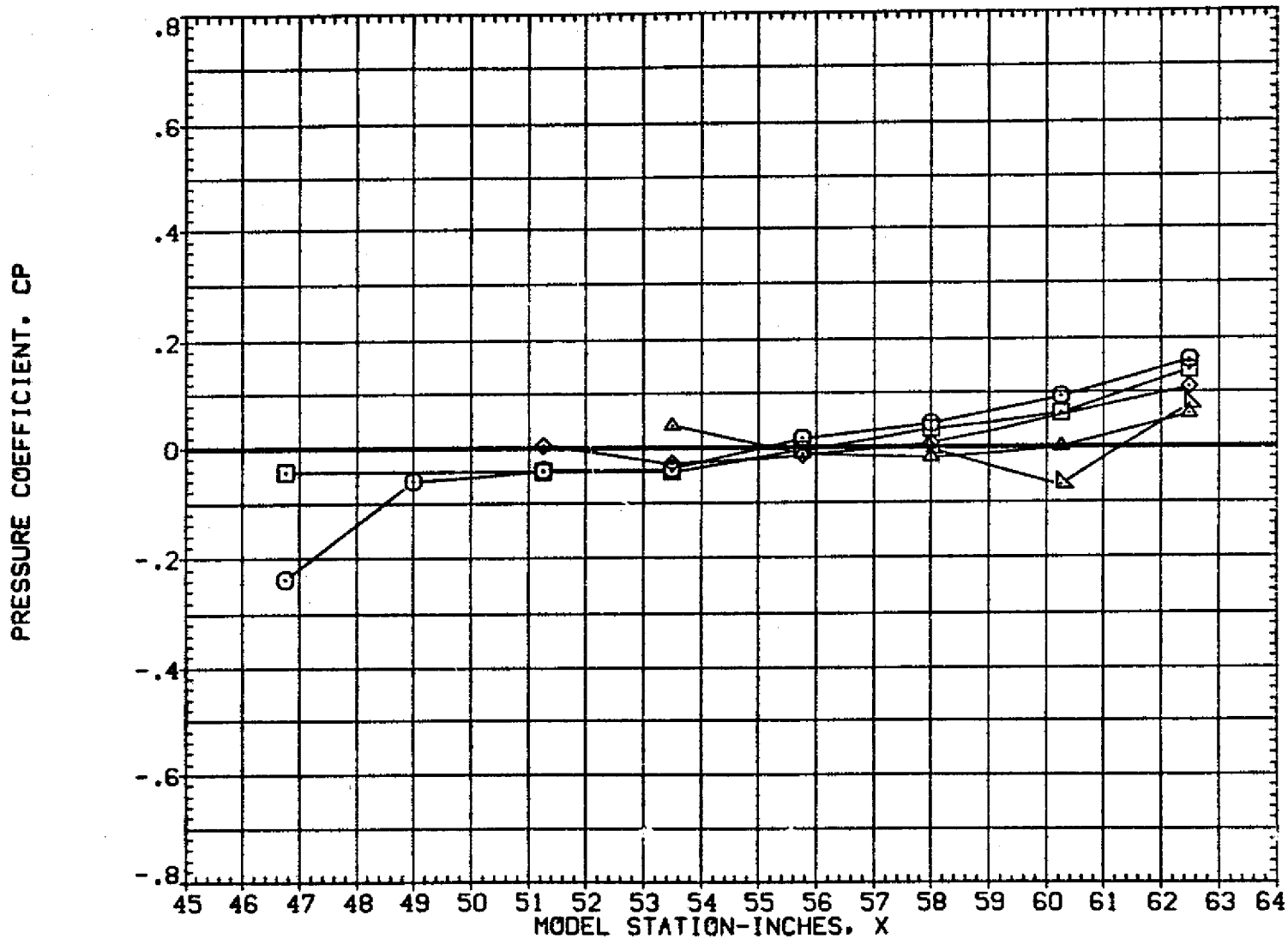


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	52.010	.982
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	8.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

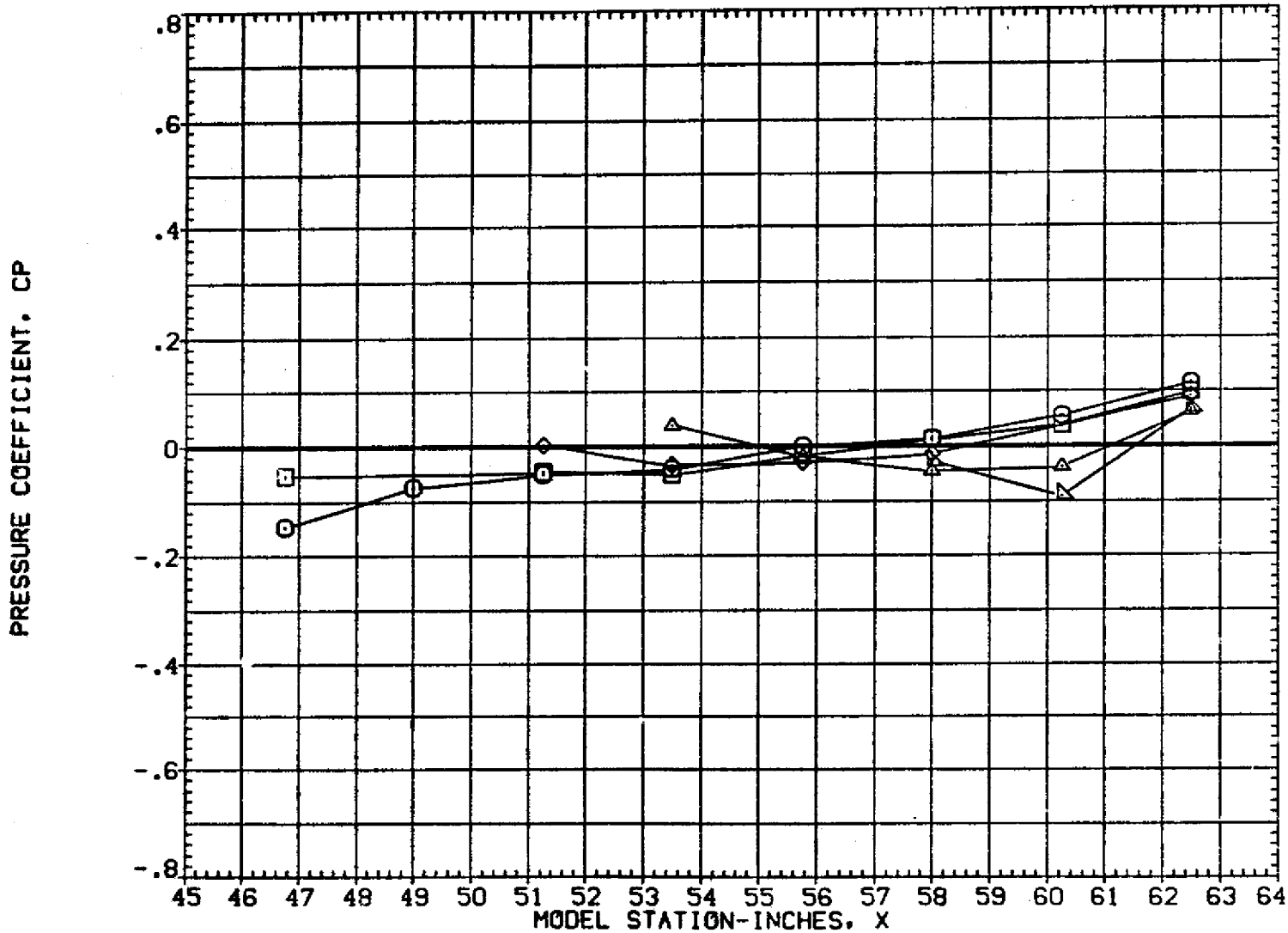


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.930	1.150
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	8.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

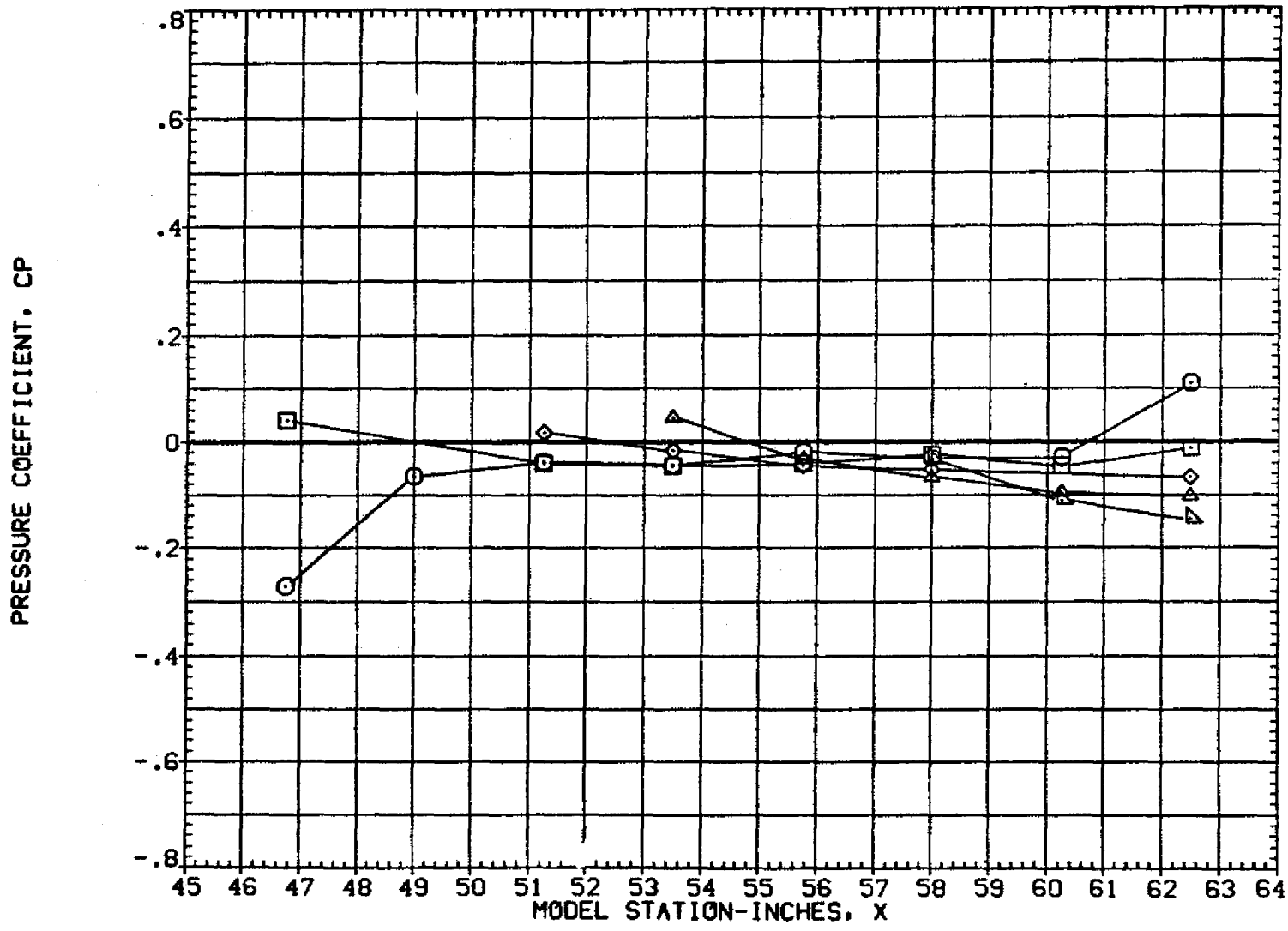


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.950	1.146
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	0.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

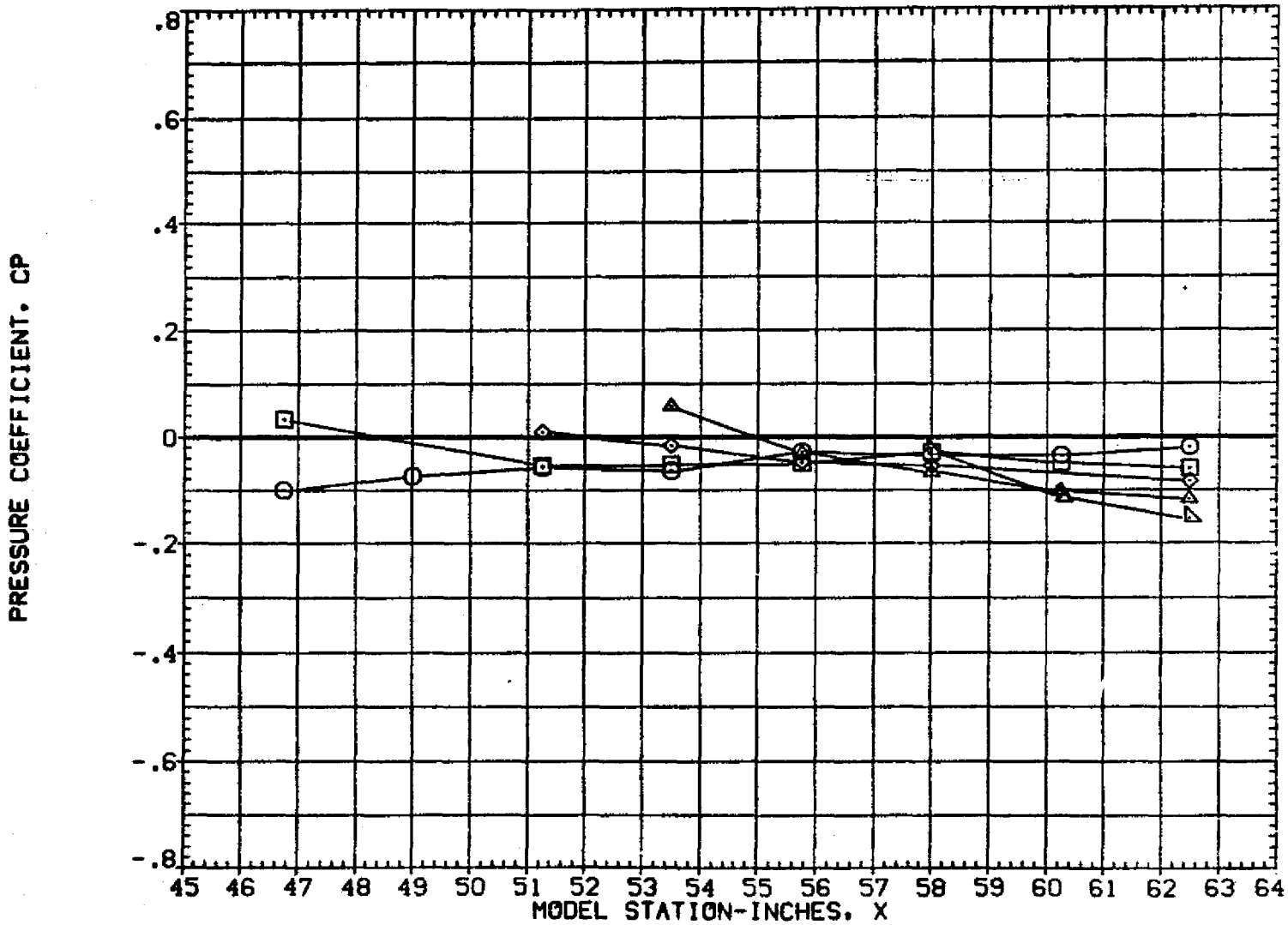


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	51.970	1.150
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	0.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

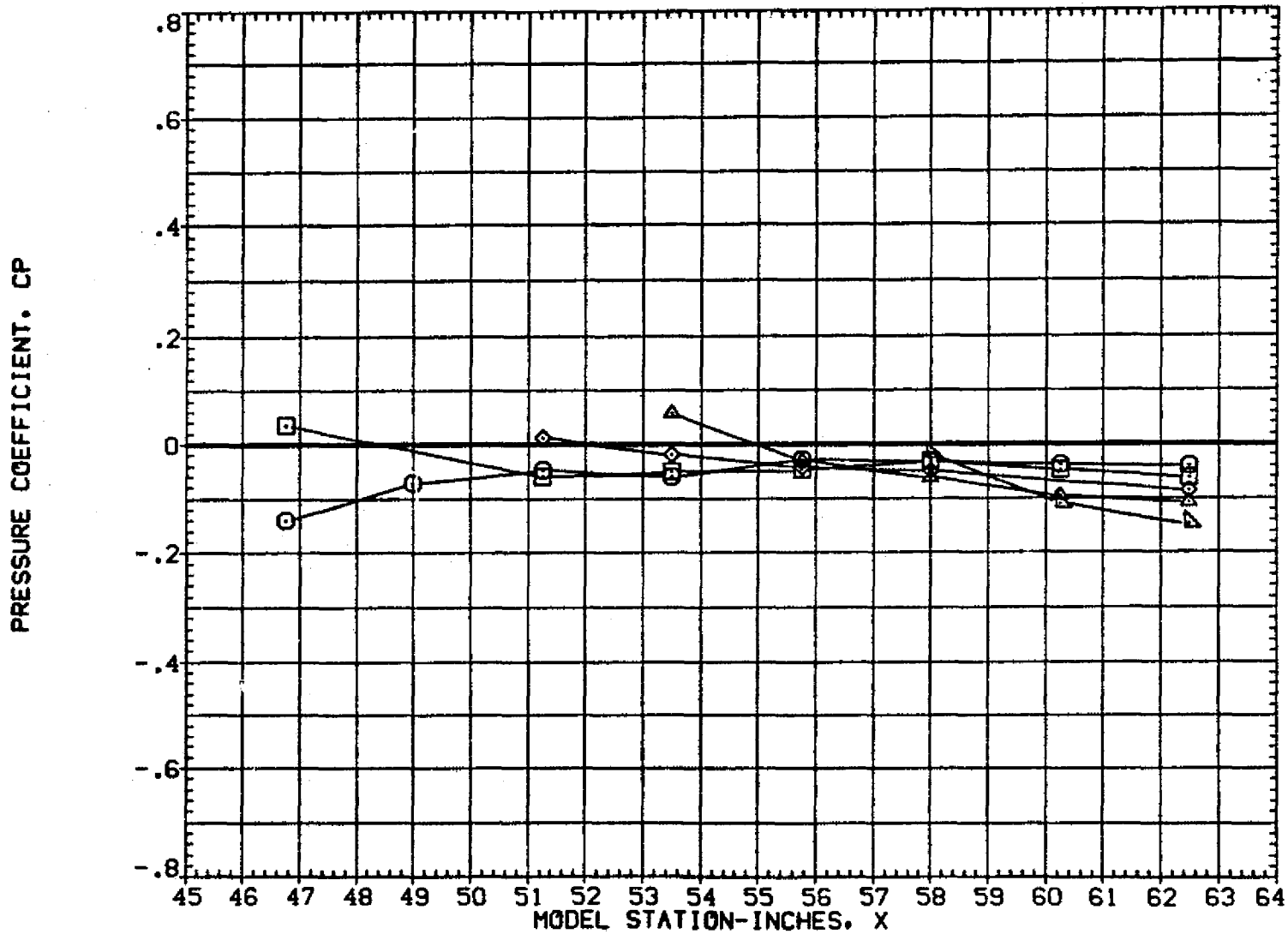


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

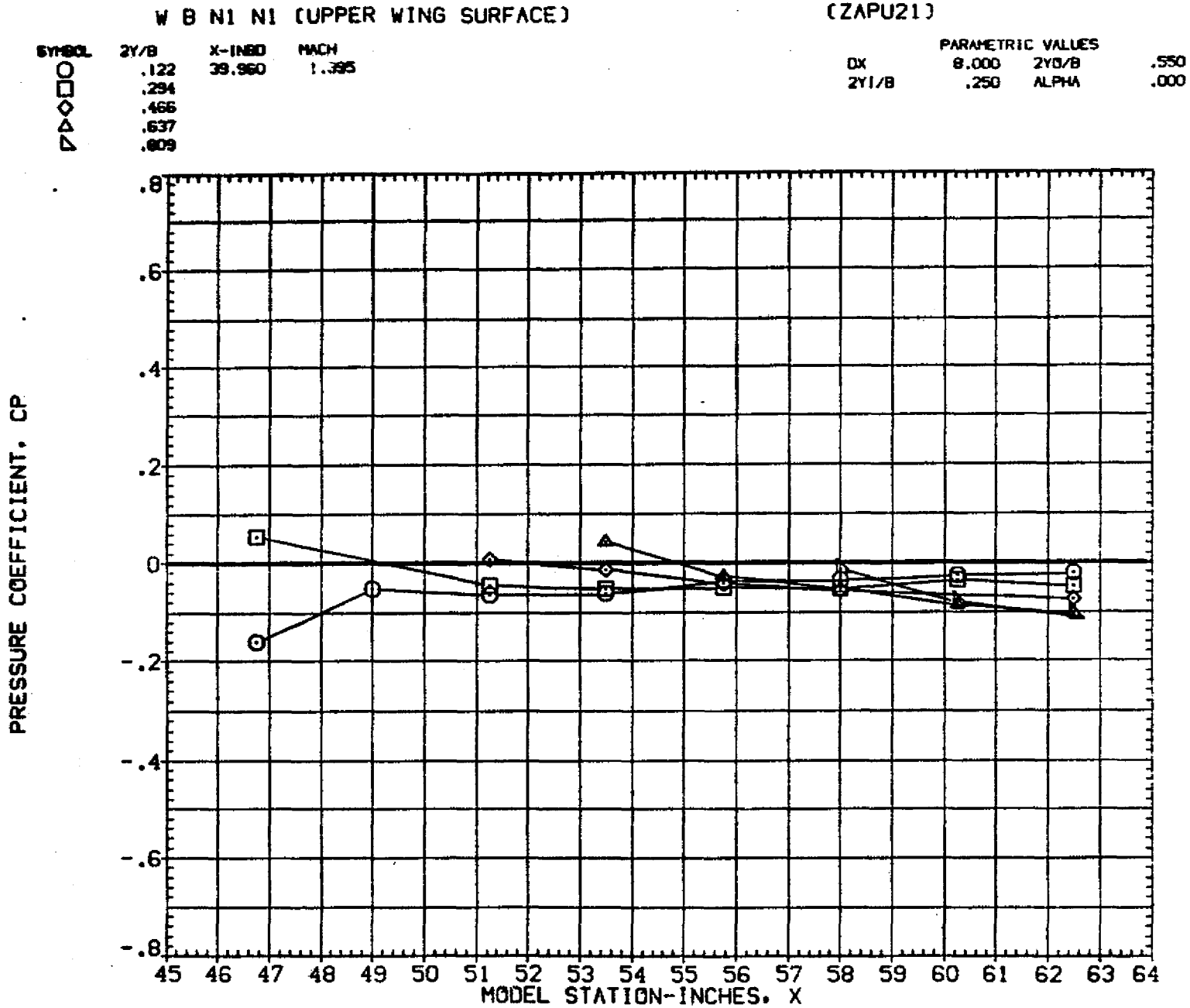


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	47.980	1.394
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	8.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

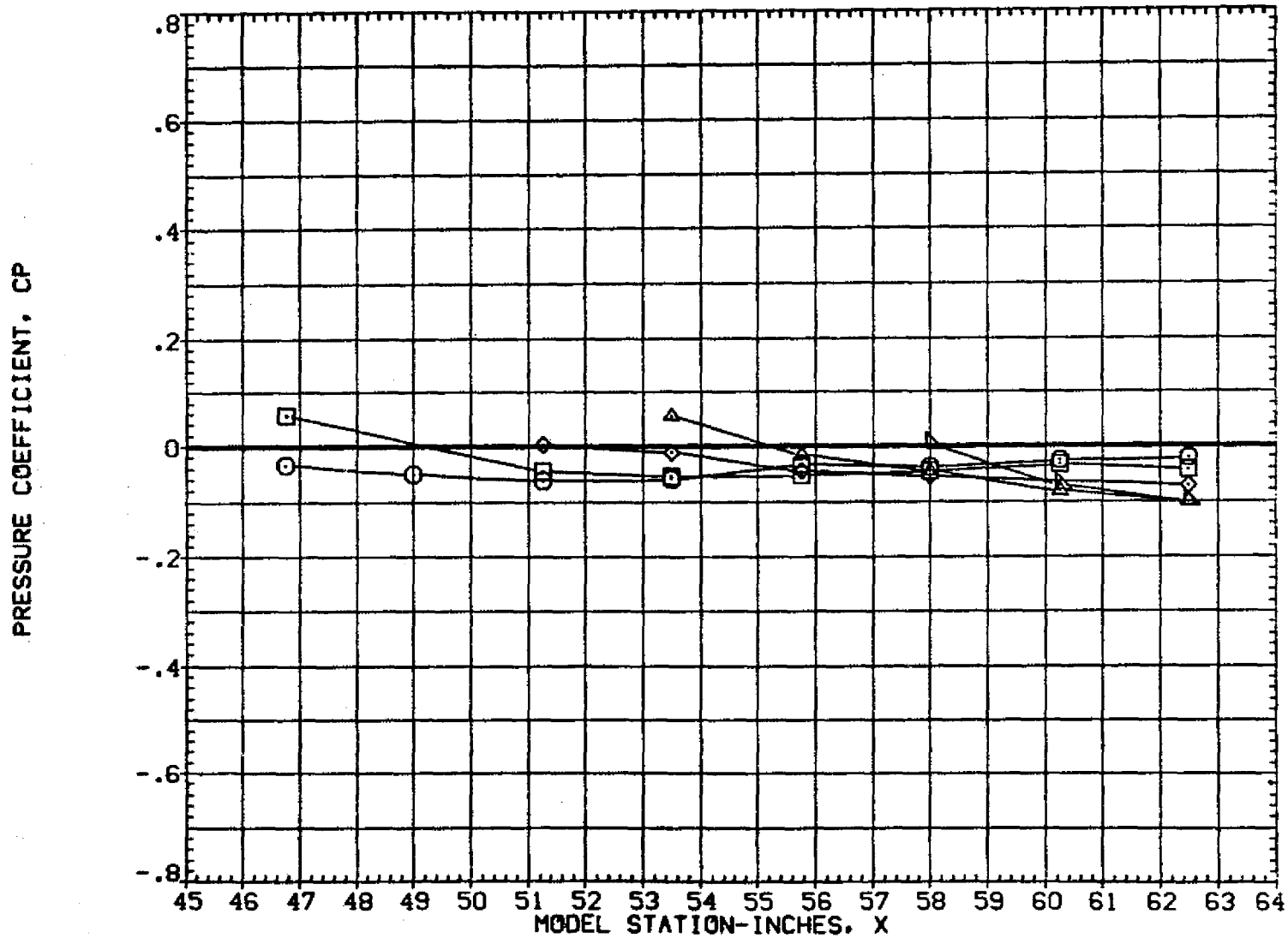


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU21)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	52.010	1.400
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	8.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

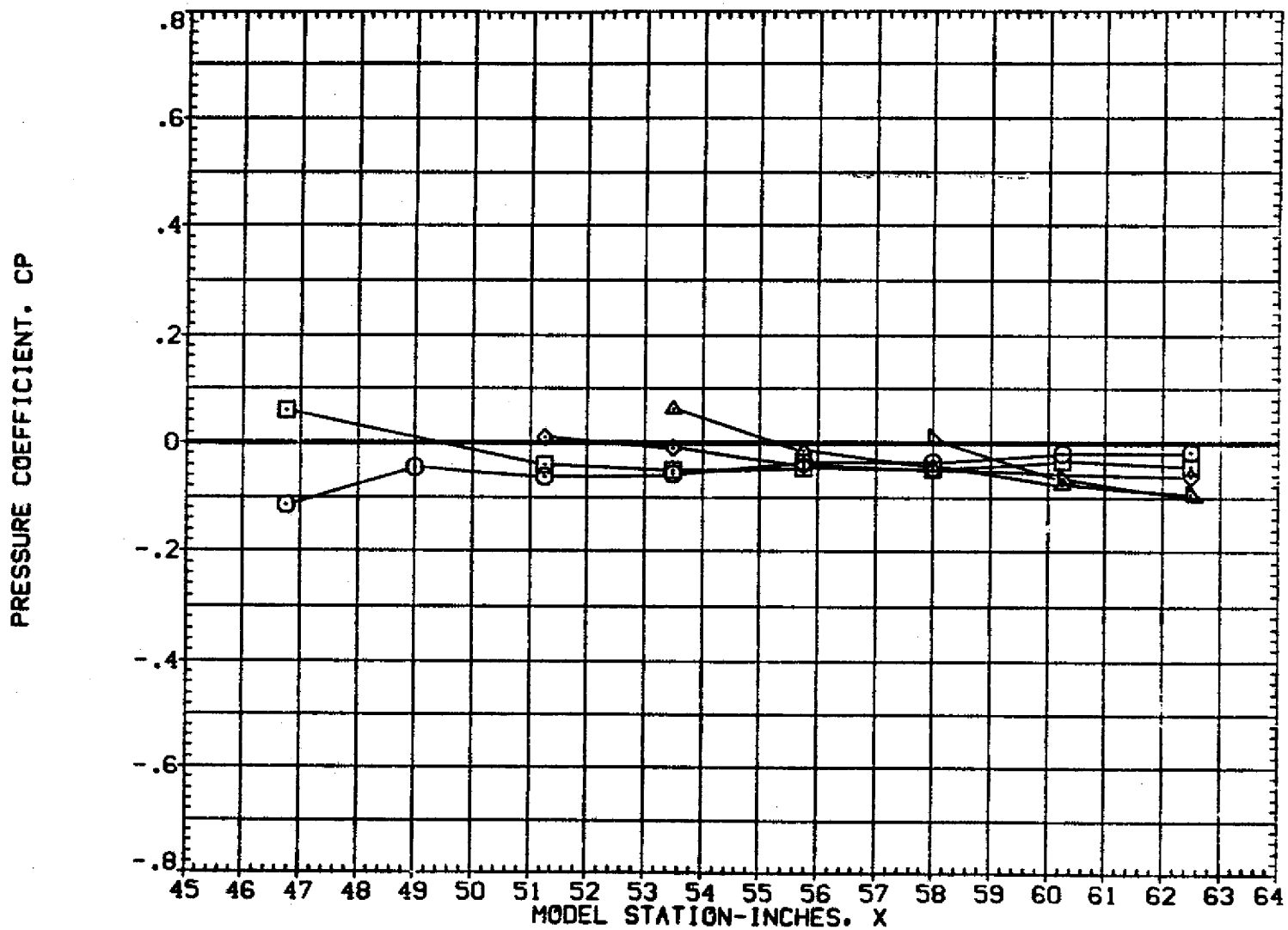


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU22)

SYMBOL	2Y/B	MFR-AV	MACH
○	.122	.636	.901
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250
ALPHA	.000		

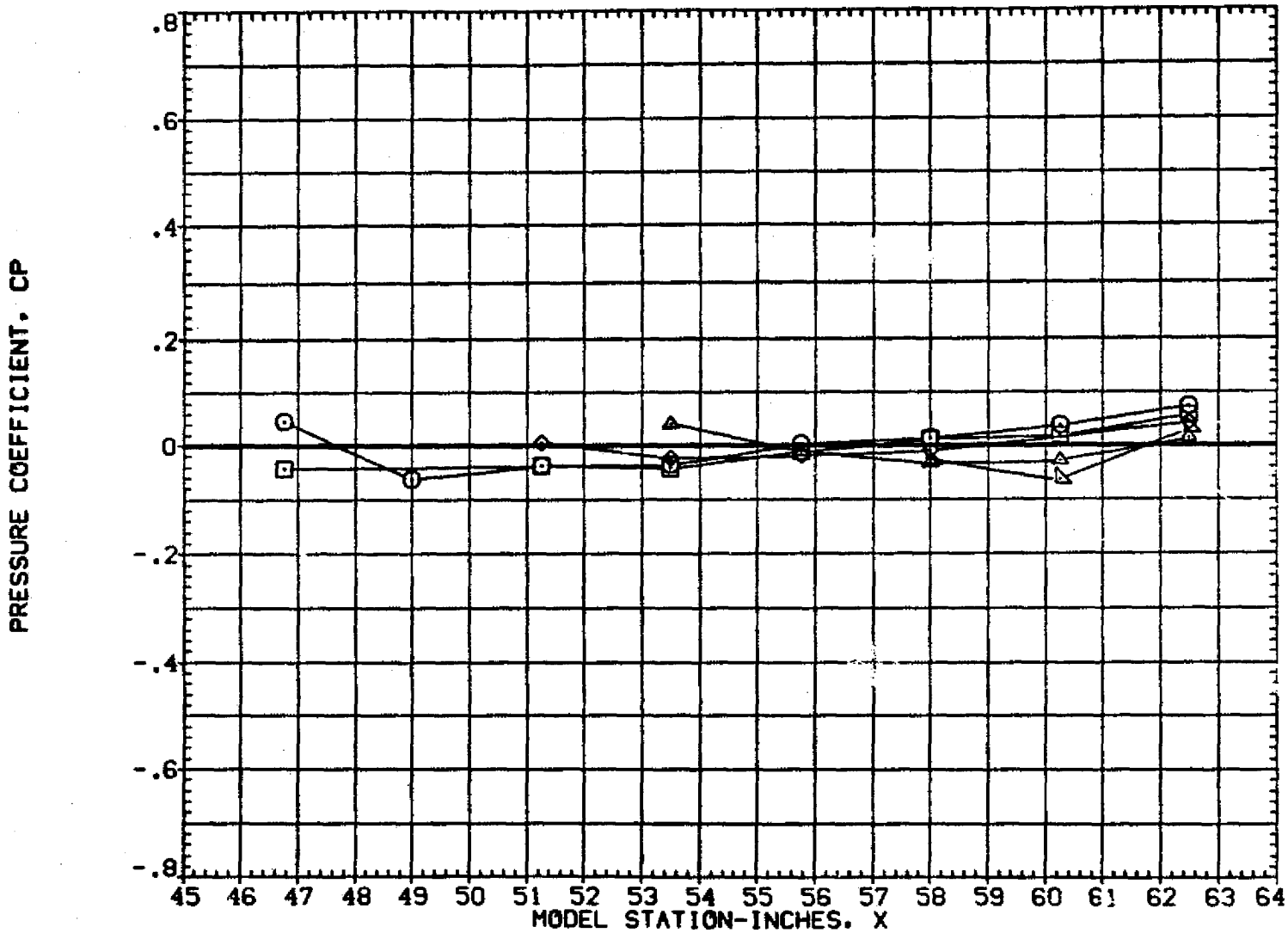


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

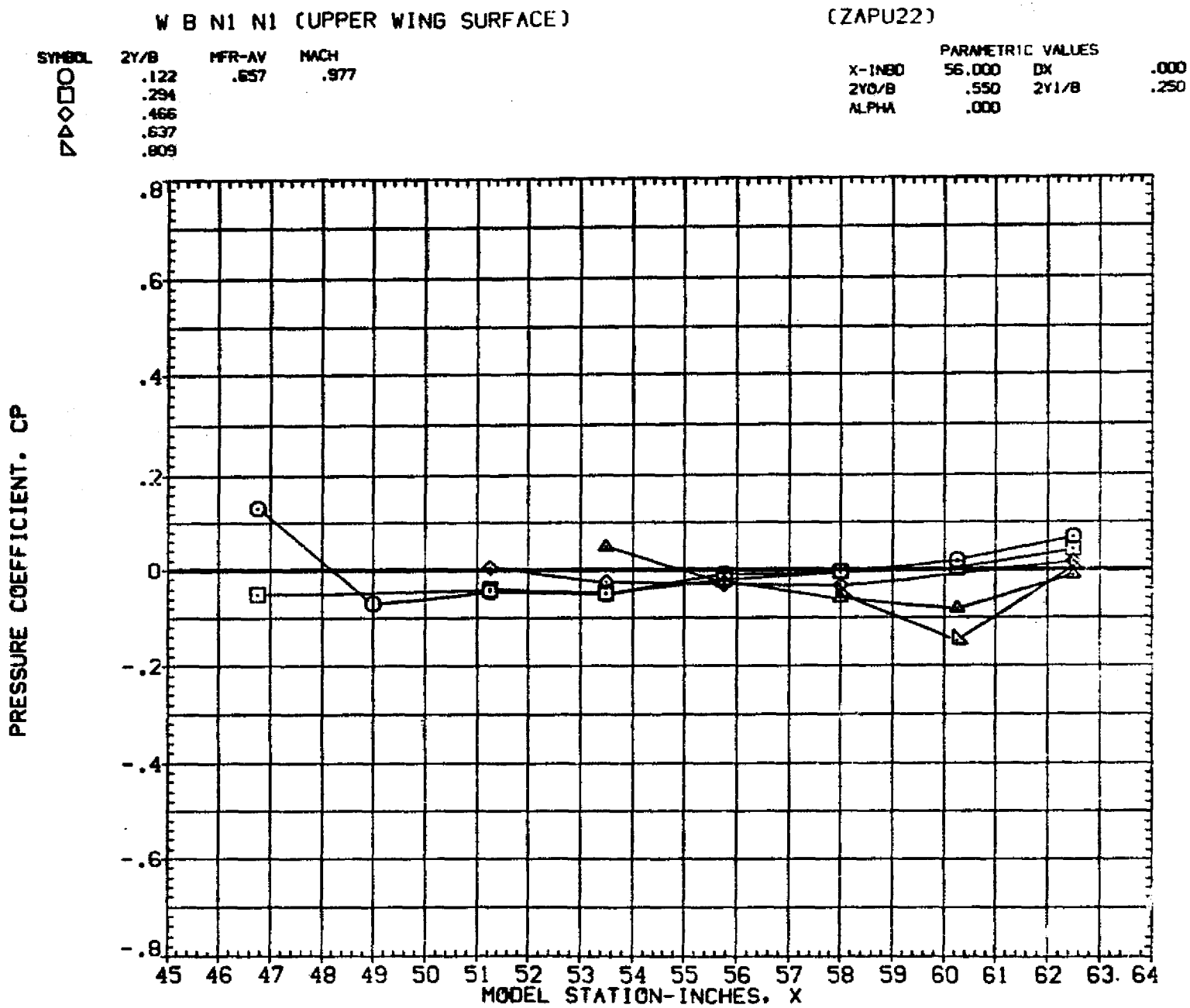


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU22)

SYMBOL	2Y/B	MFR-AV	MACH
○	.122	.688	1.098
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2YO/B	.550	2YI/B	.250
ALPHA	.000		

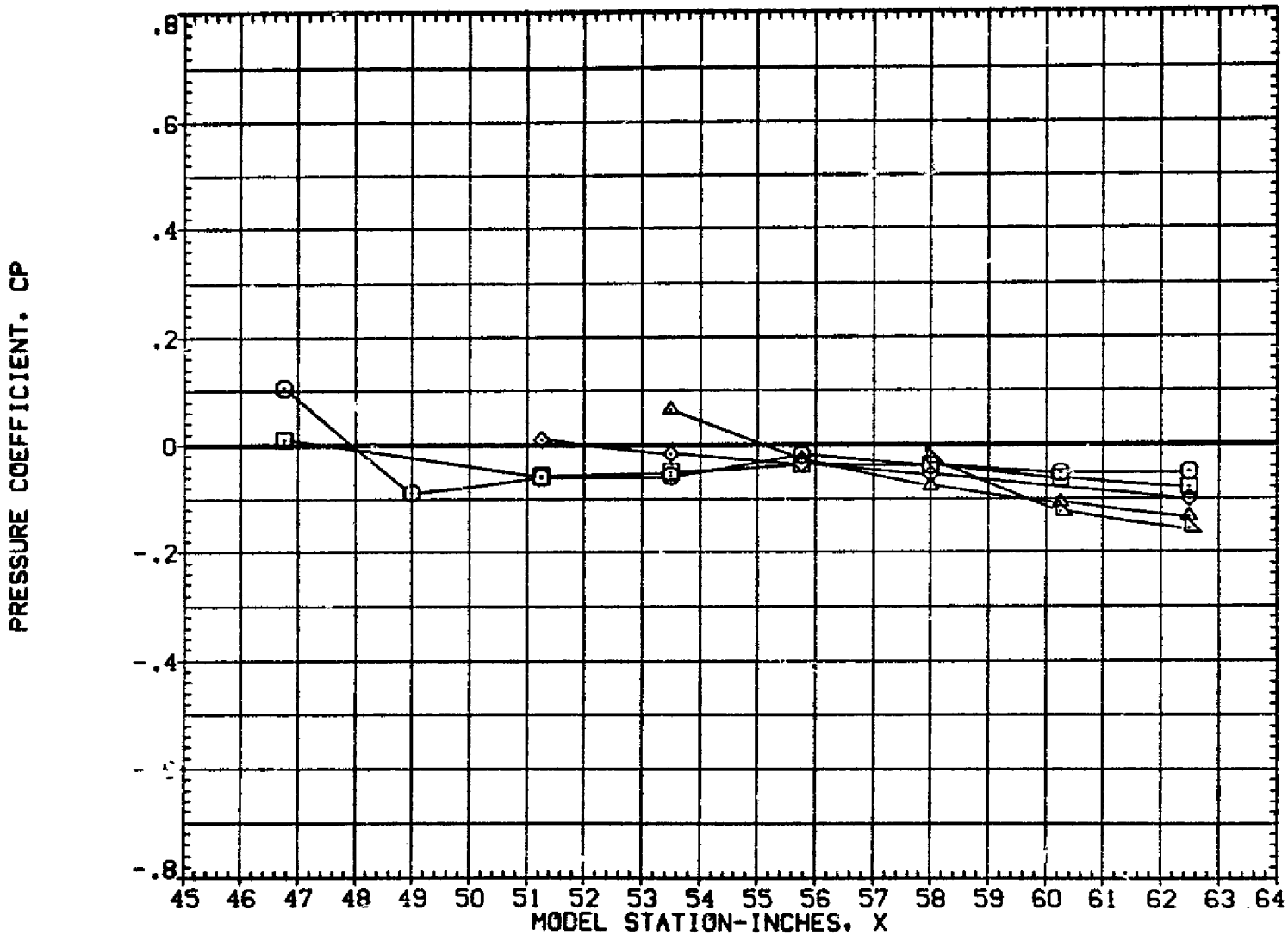


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU22)

SYMBOL	2Y/B	MFR-AV	MACH
○	.122	.787	1.150
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2YO/B	.550	2YI/B	.250
ALPHA	.000		

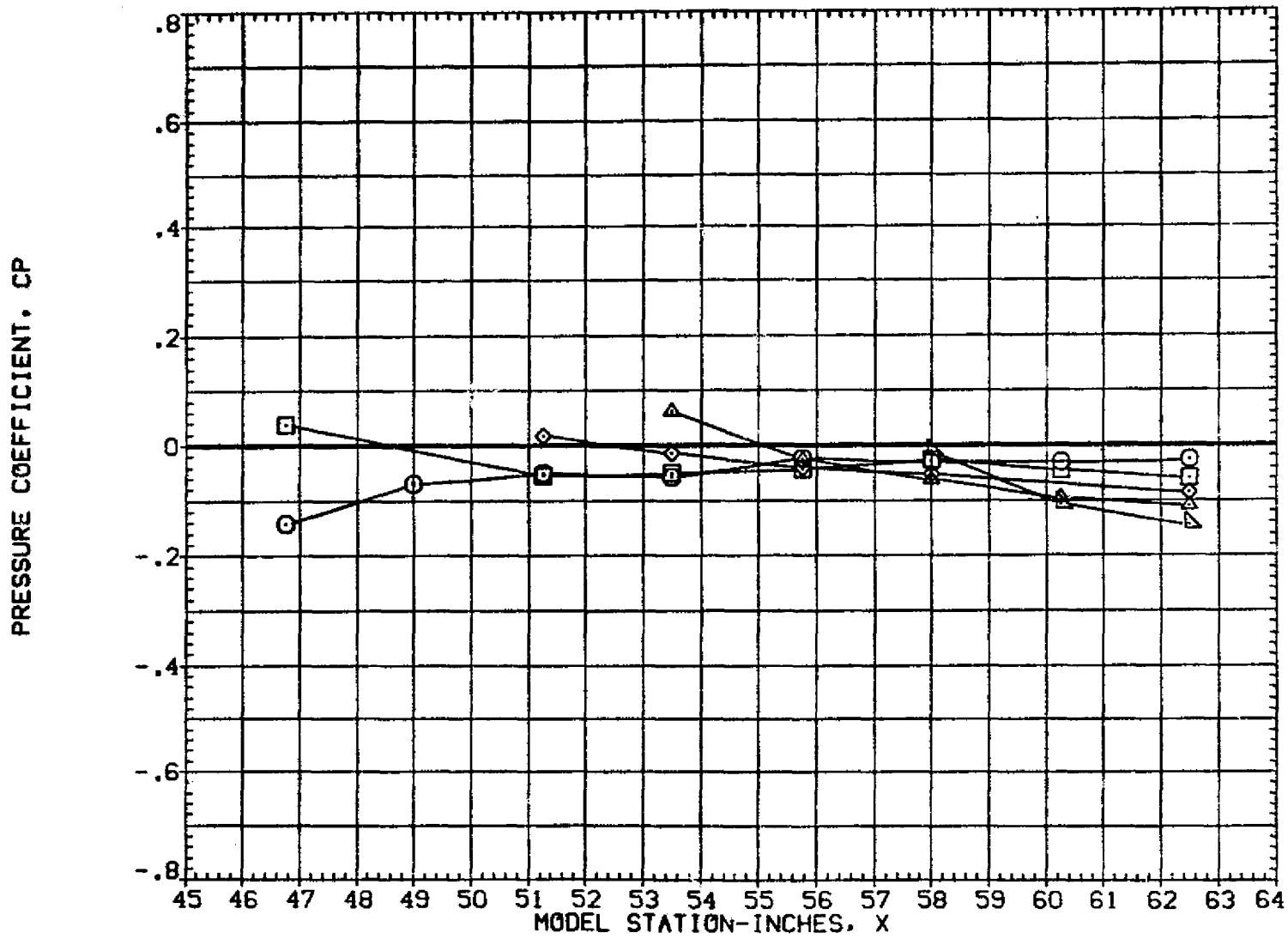


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU22)

SYMBOL	2Y/B	MFR-AV	MACH
○	.122	.689	1.198
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2YO/B	.550	2YI/B	.250
ALPHA	.000		

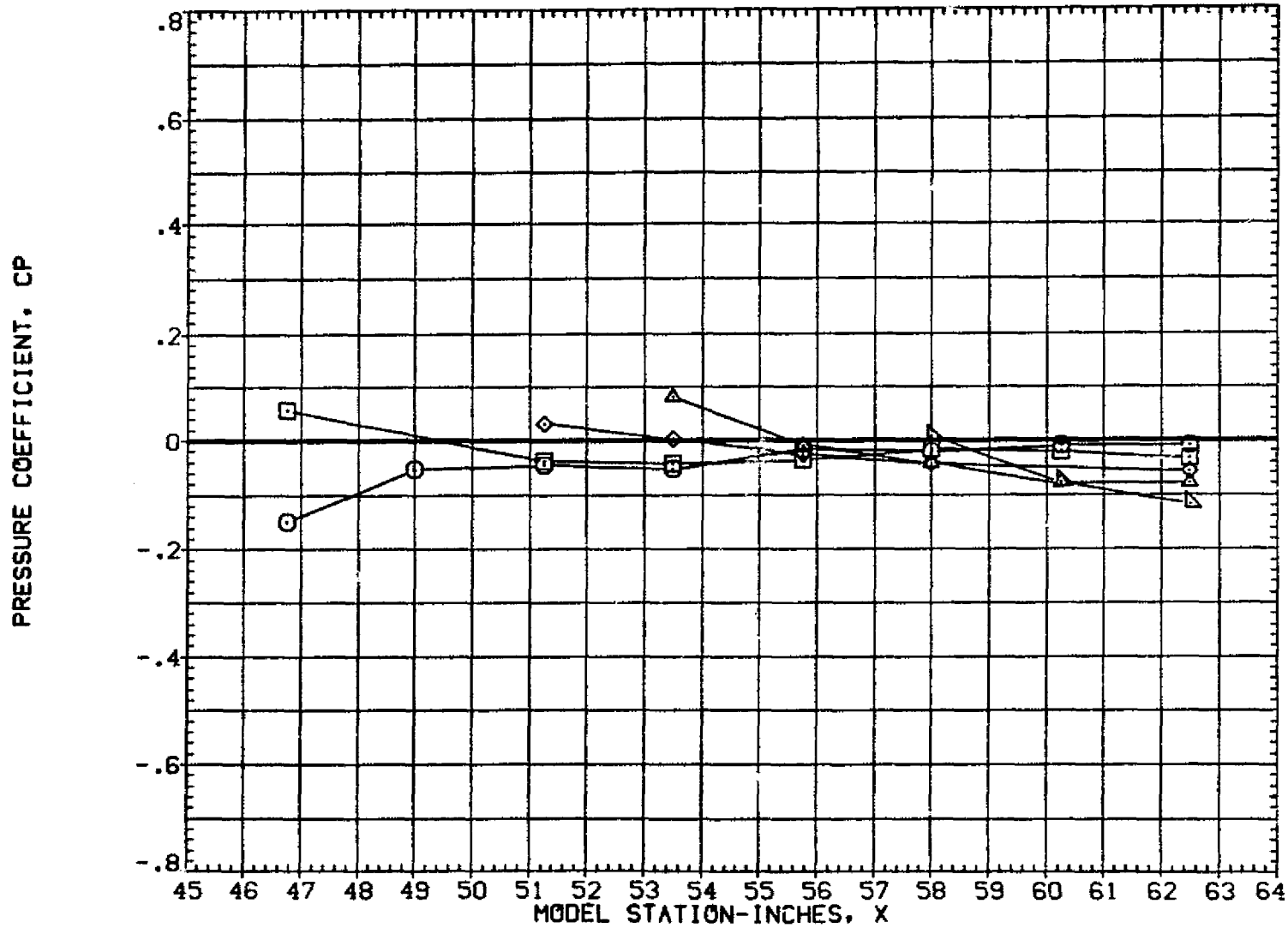


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU22)

SYMBOL	2Y/B	MFR-AV	MACH
○	.122	.690	1.296
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250
ALPHA	.000		

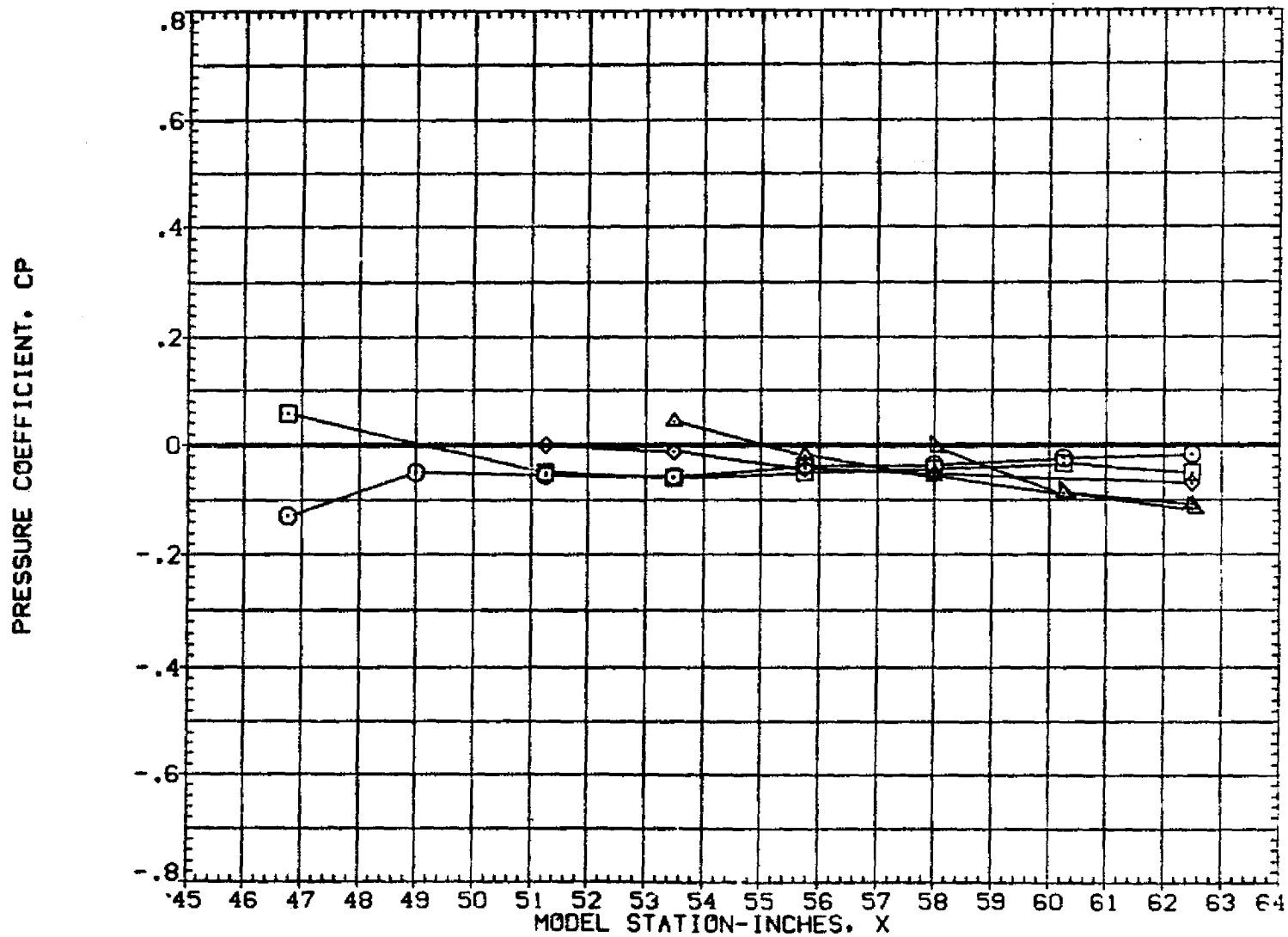


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU22)

SYMBOL	2Y/B	MFR-AV	MACH
○	.122	.779	1.400
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250
ALPHA	.000		

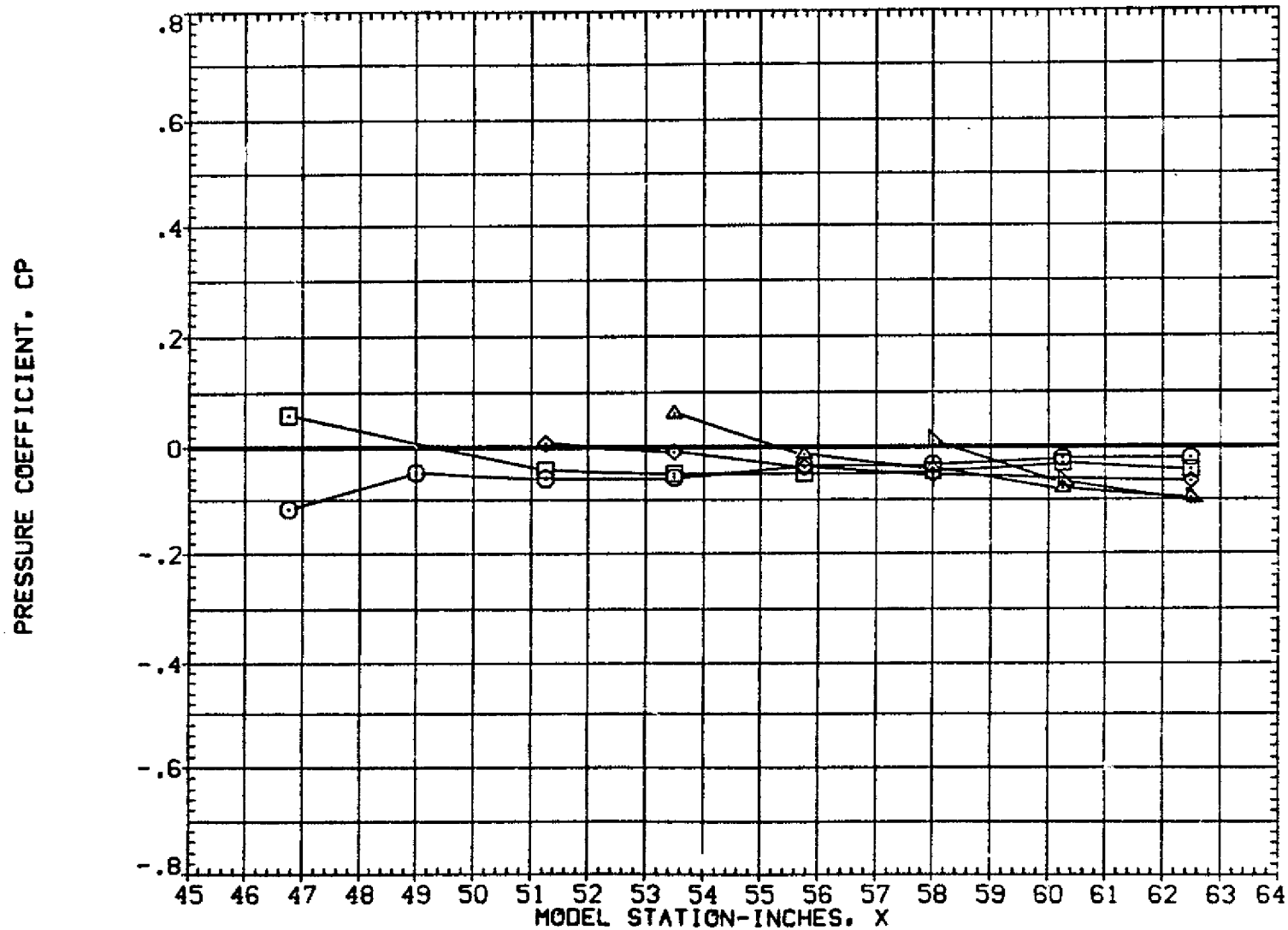


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.260	.902
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

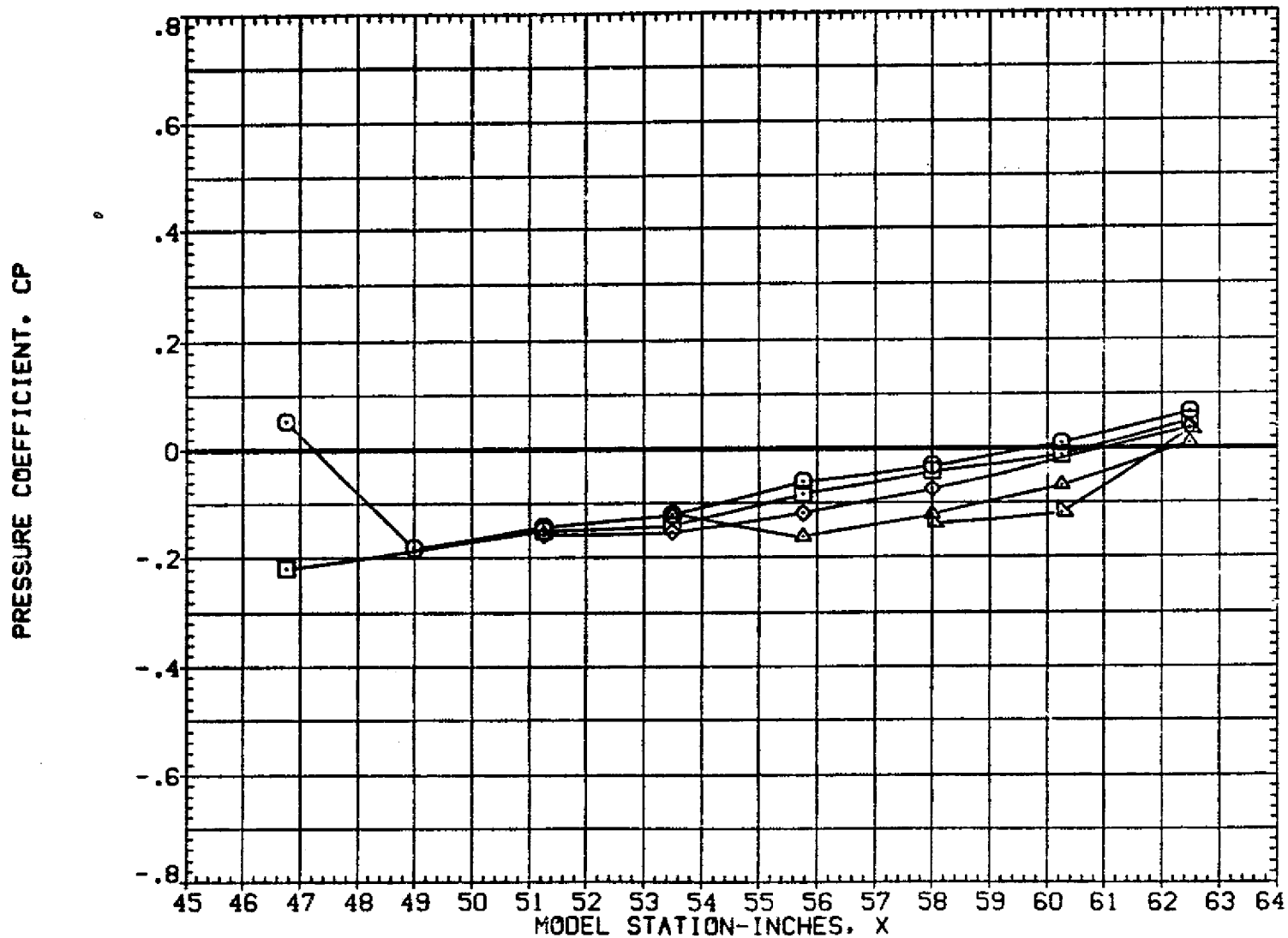


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.860	.899
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

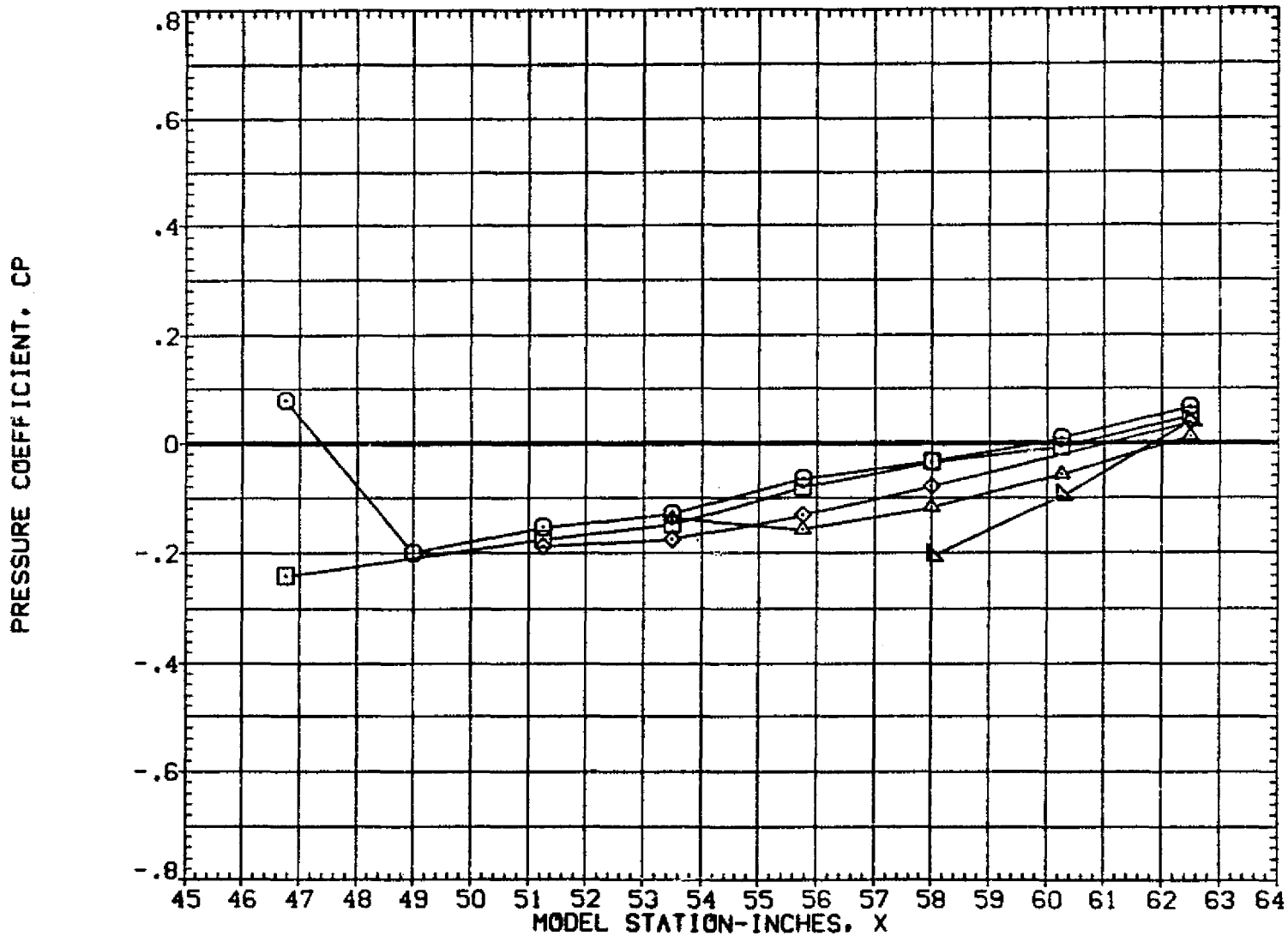


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

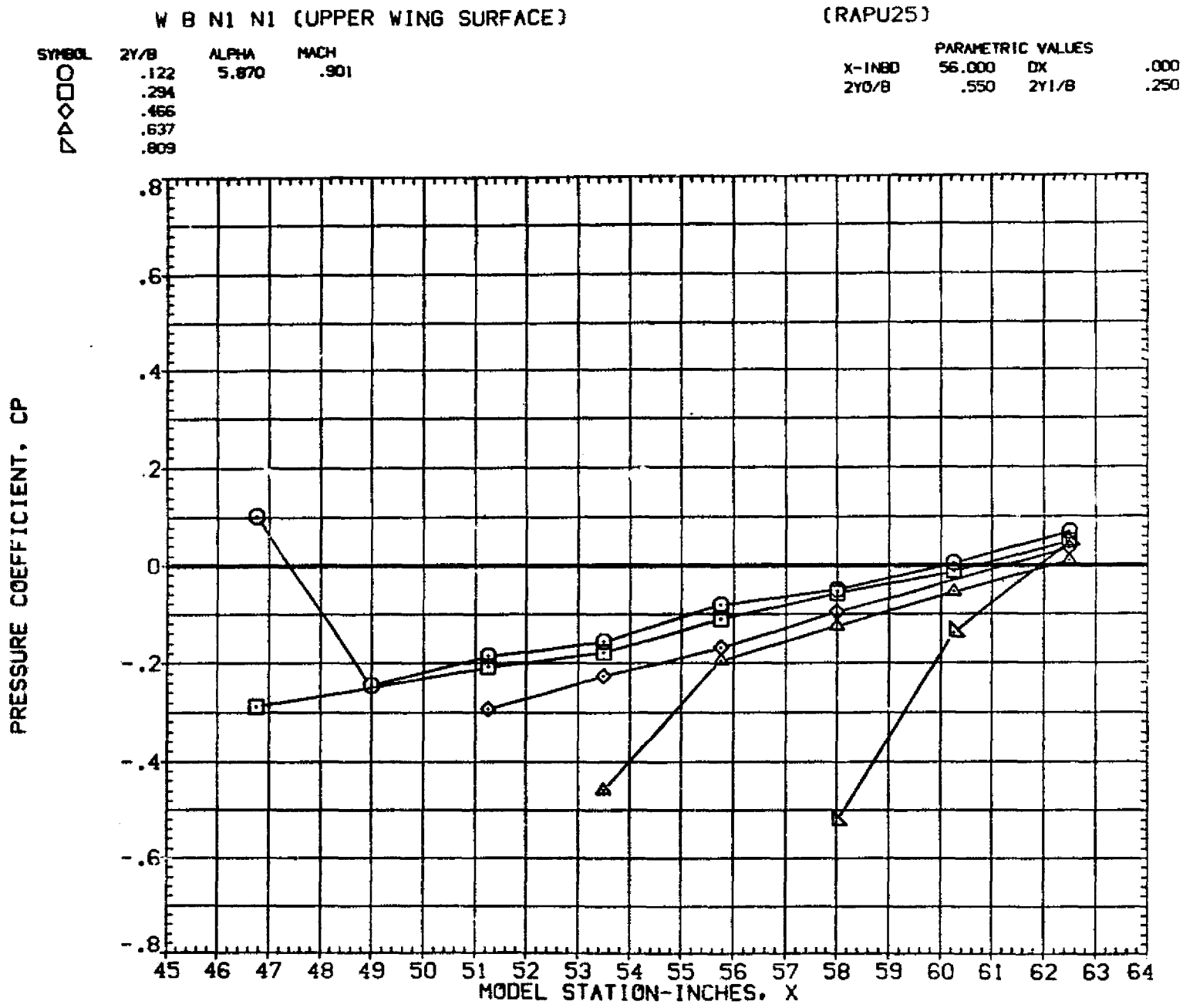


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

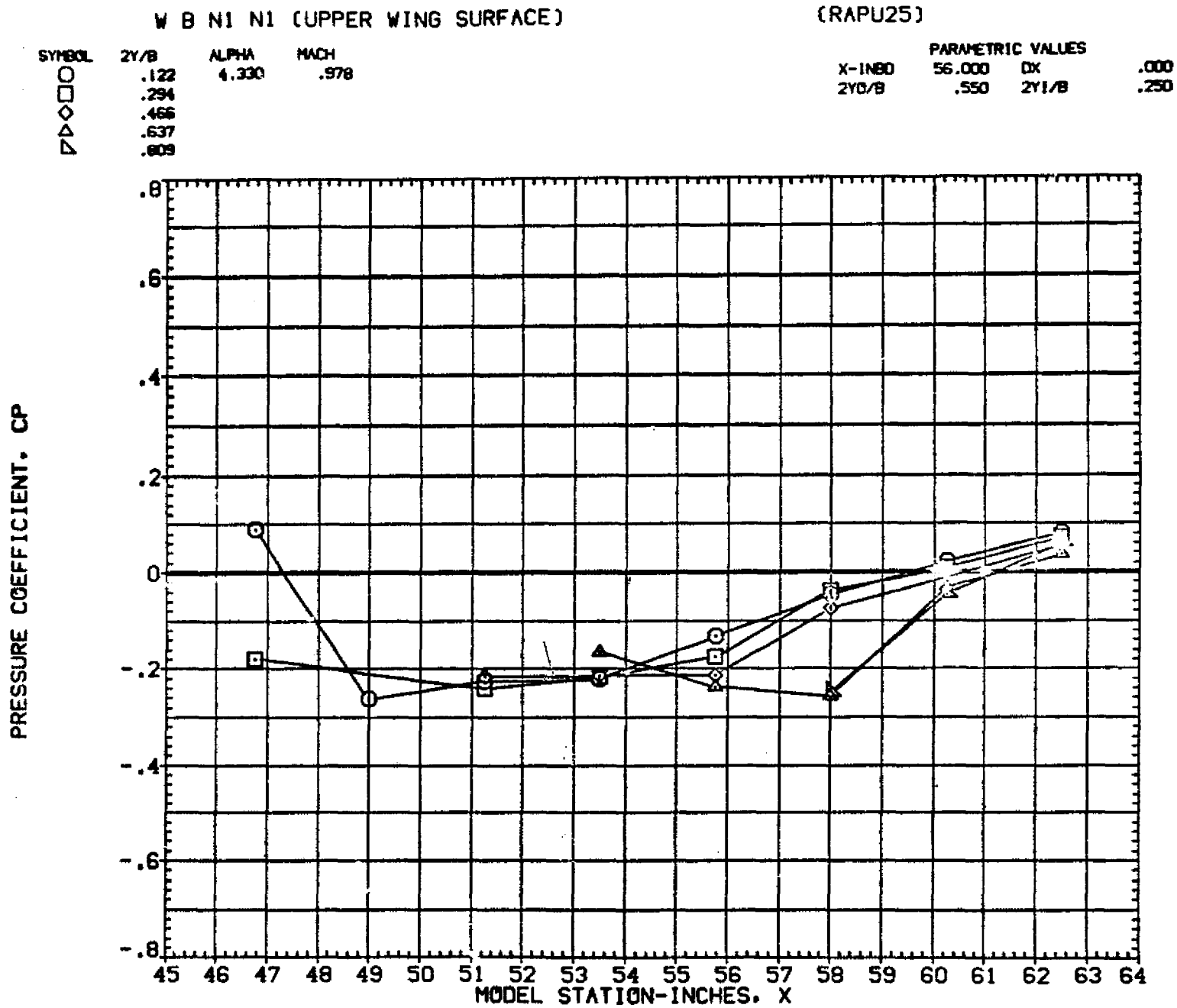


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.930	.978
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2YO/B	.550	2YI/B	.250

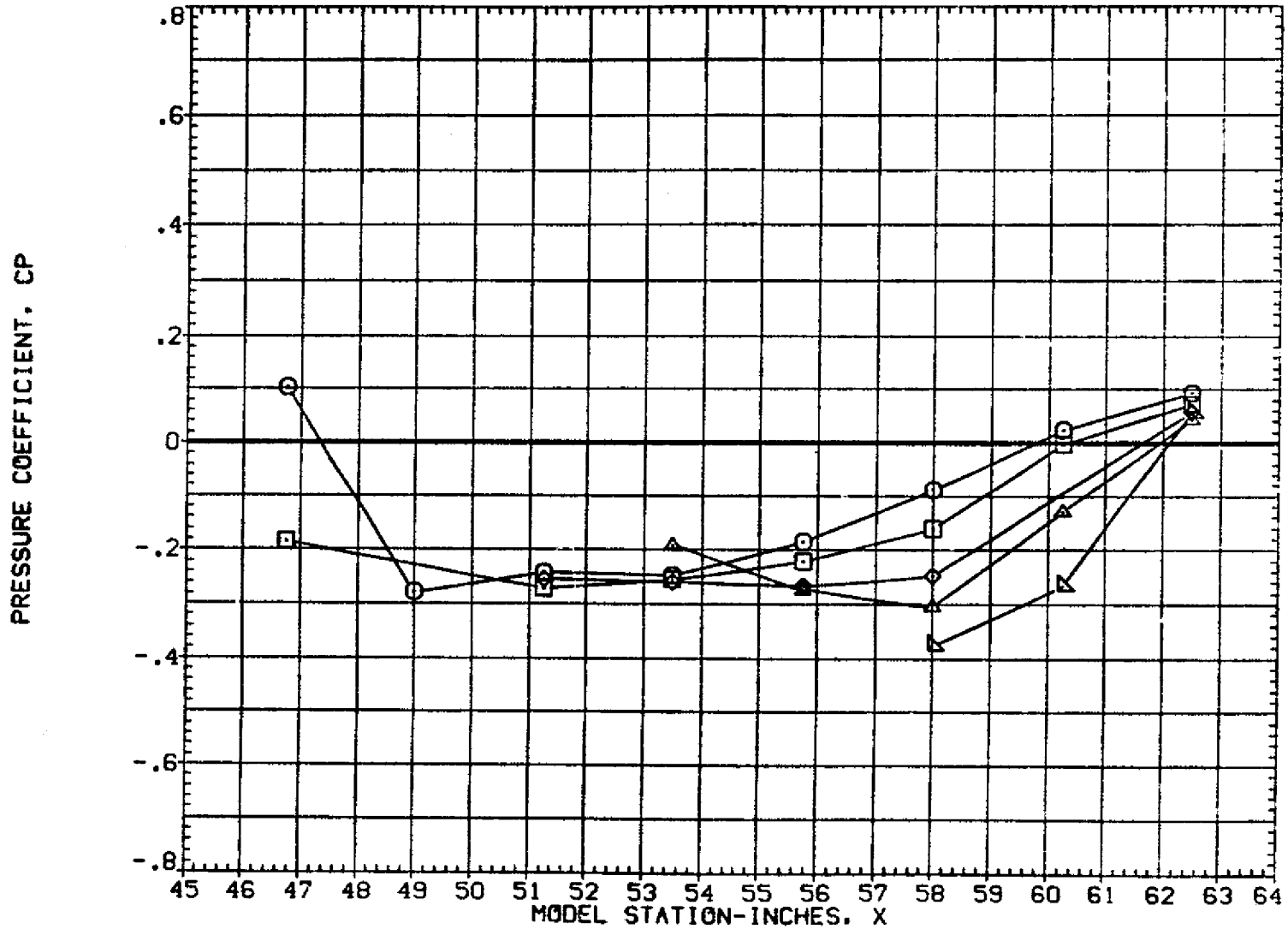


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.930	.979
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

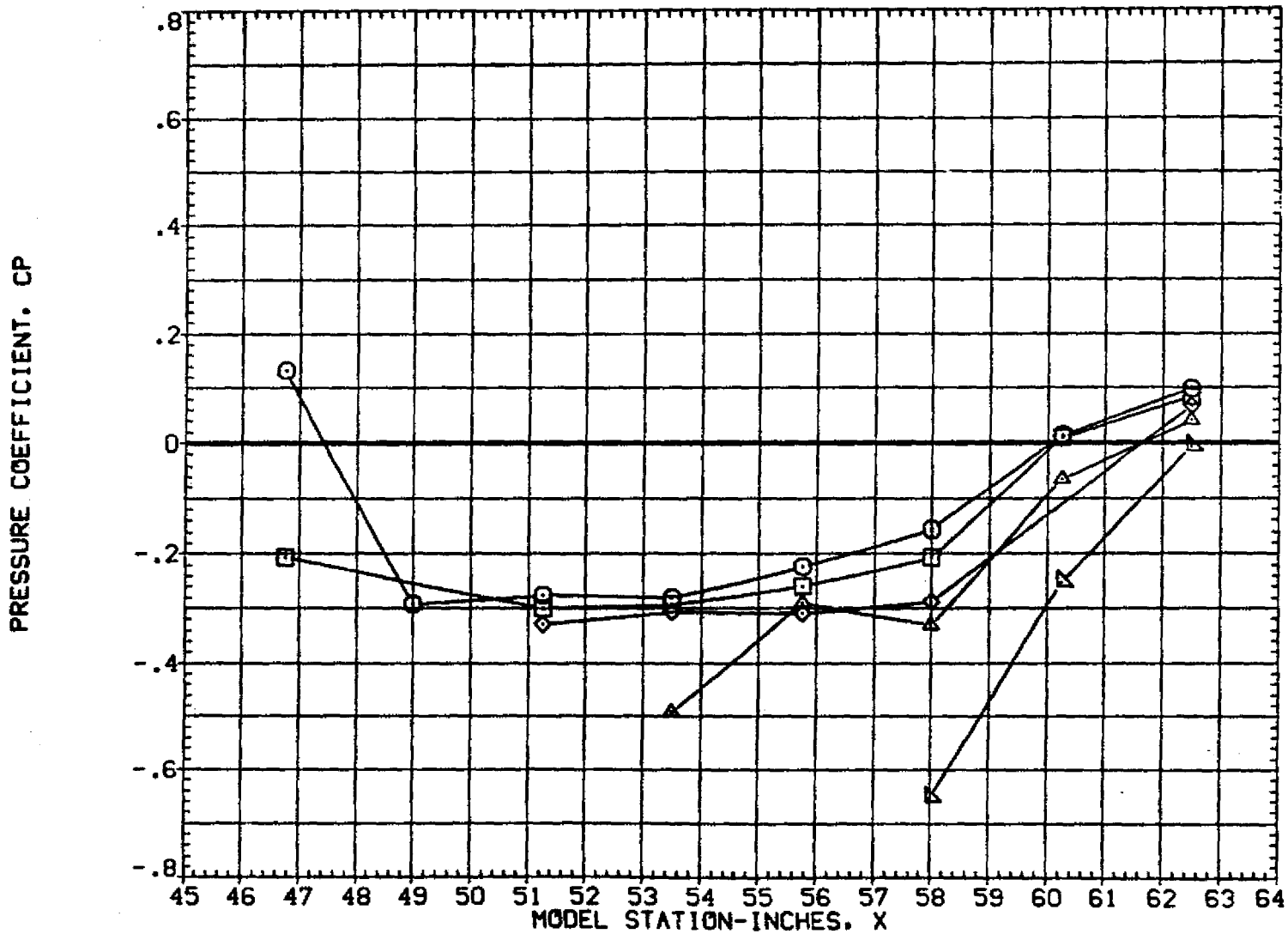


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.230	1.098
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

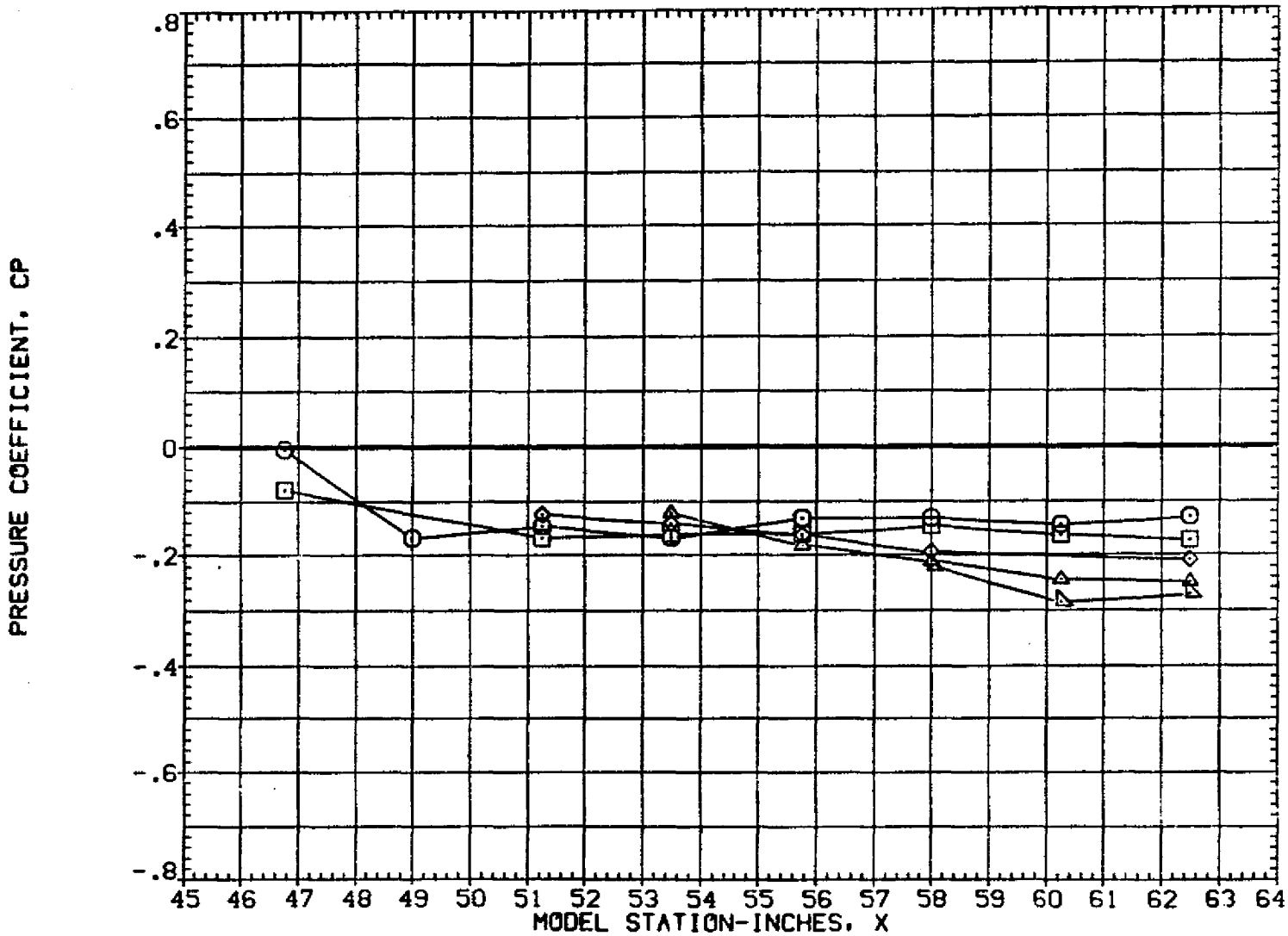


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.830	1.099
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2YO/B	.550	2YI/B	.250

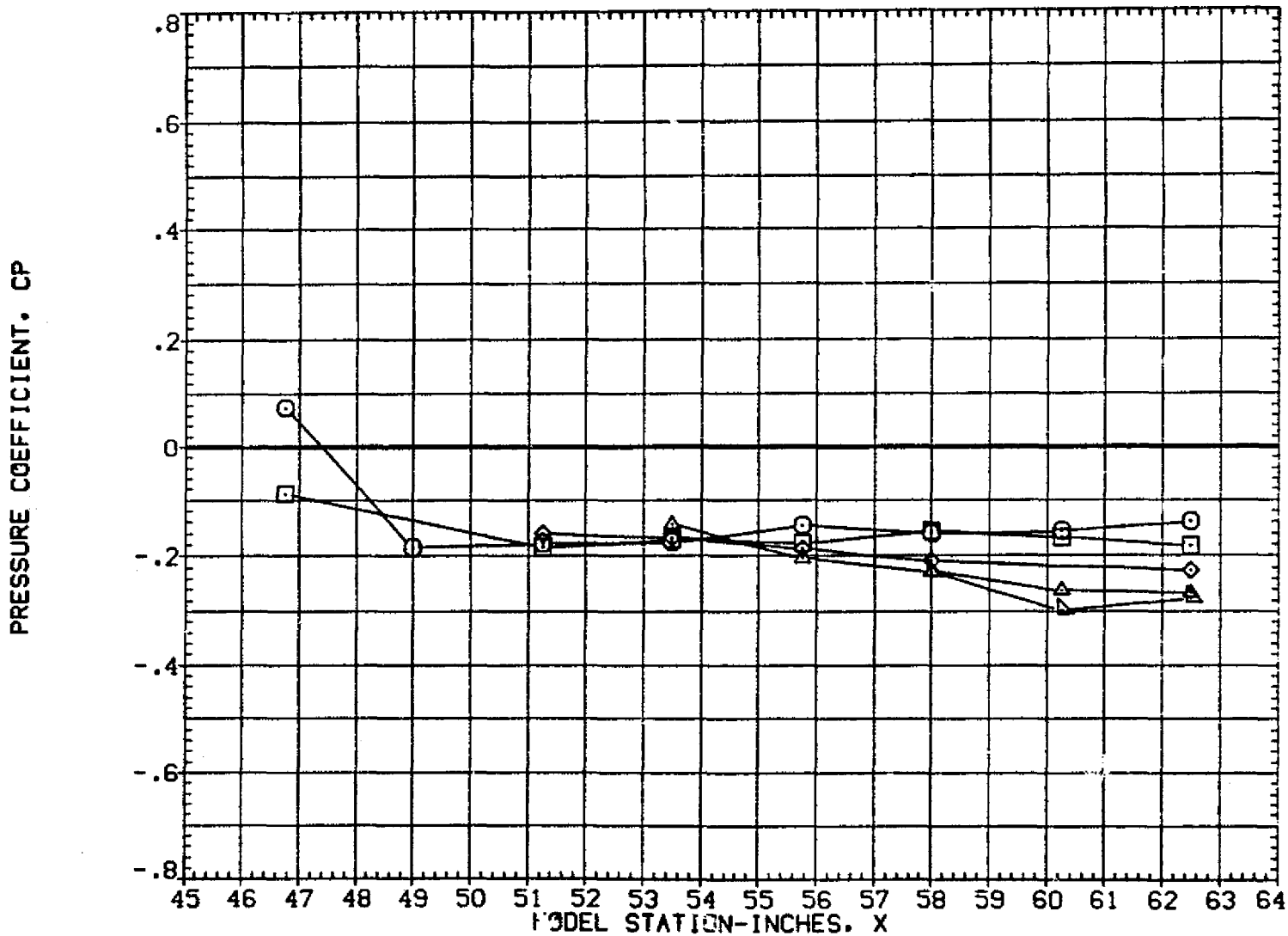


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

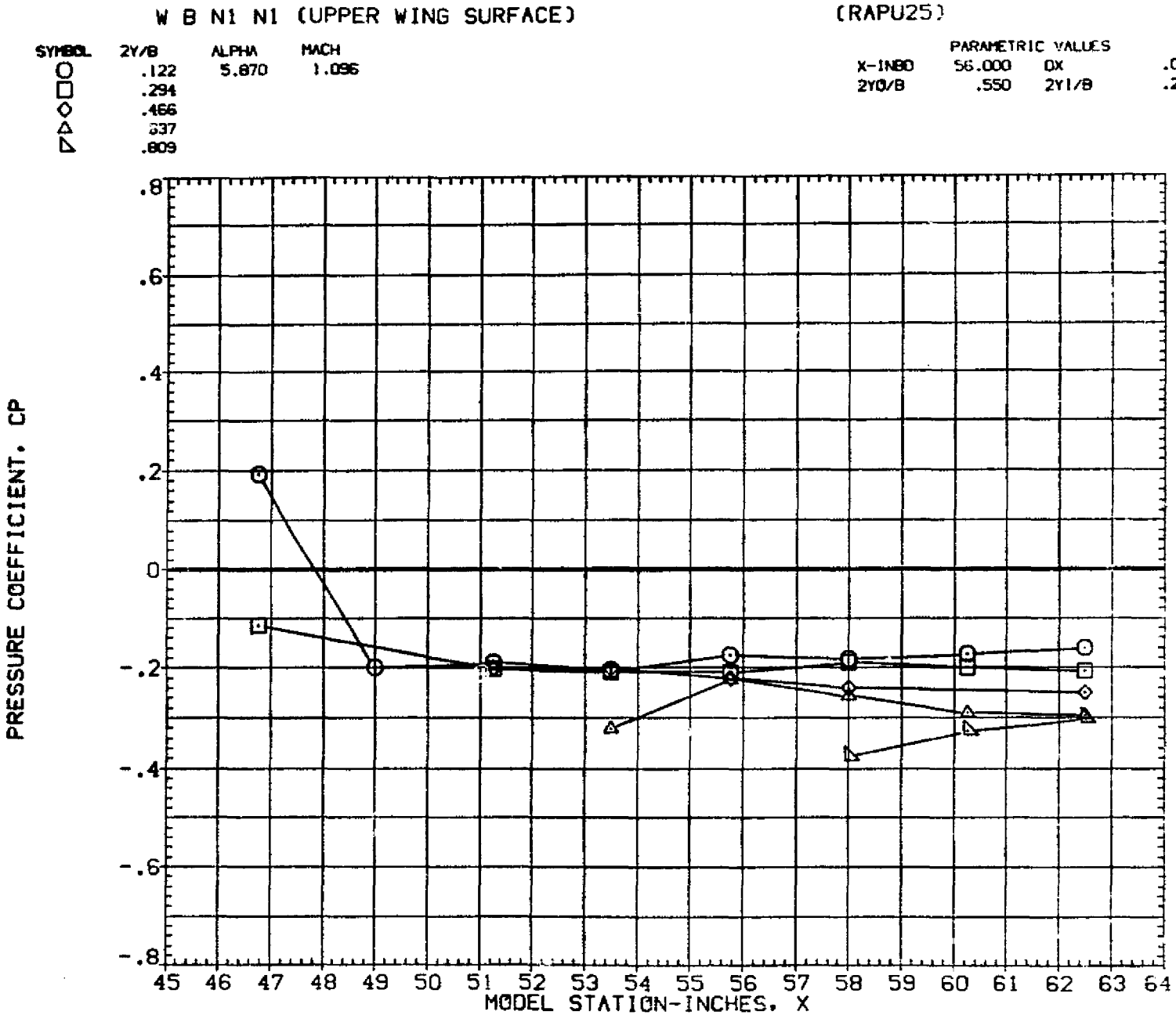


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

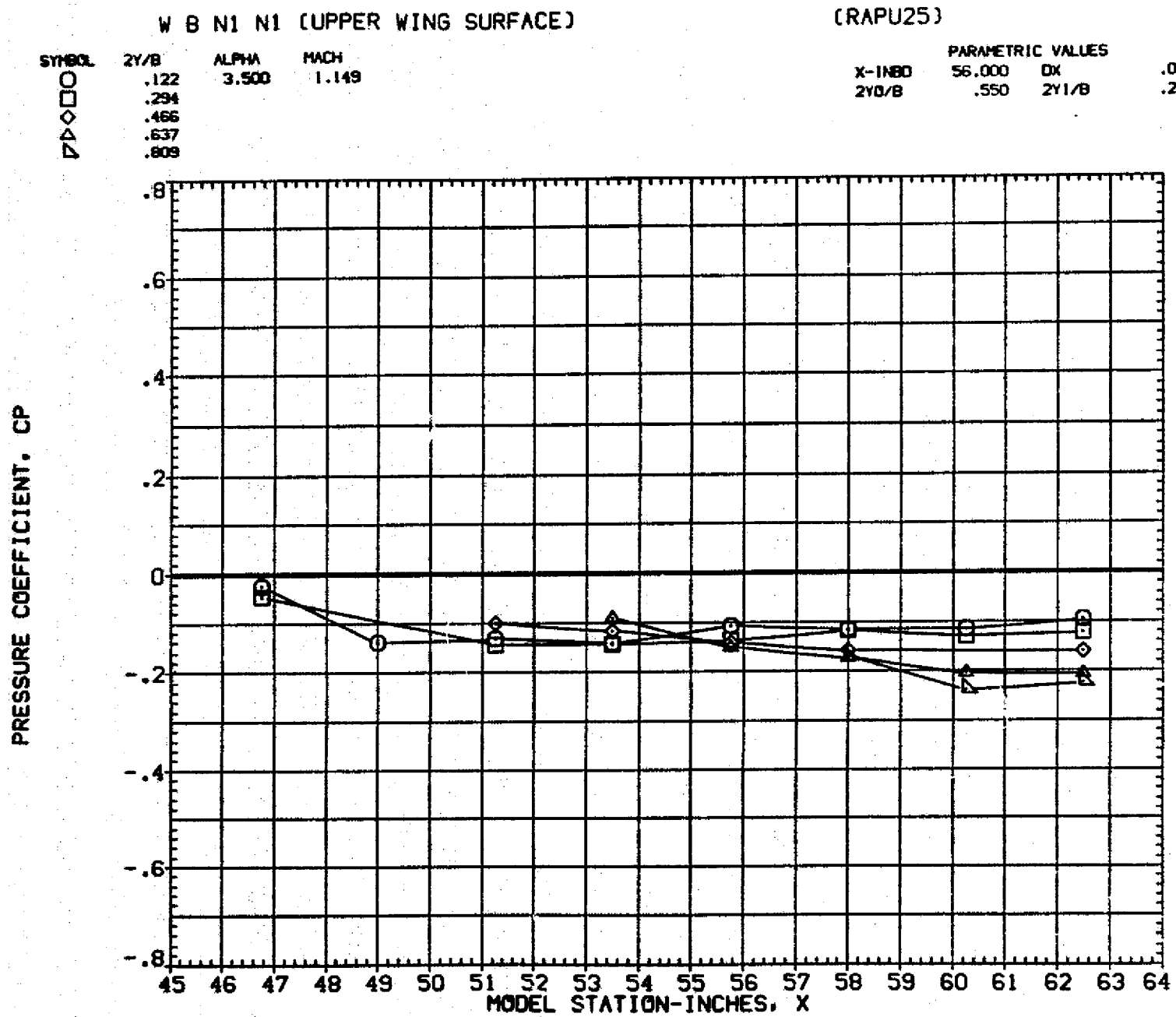


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

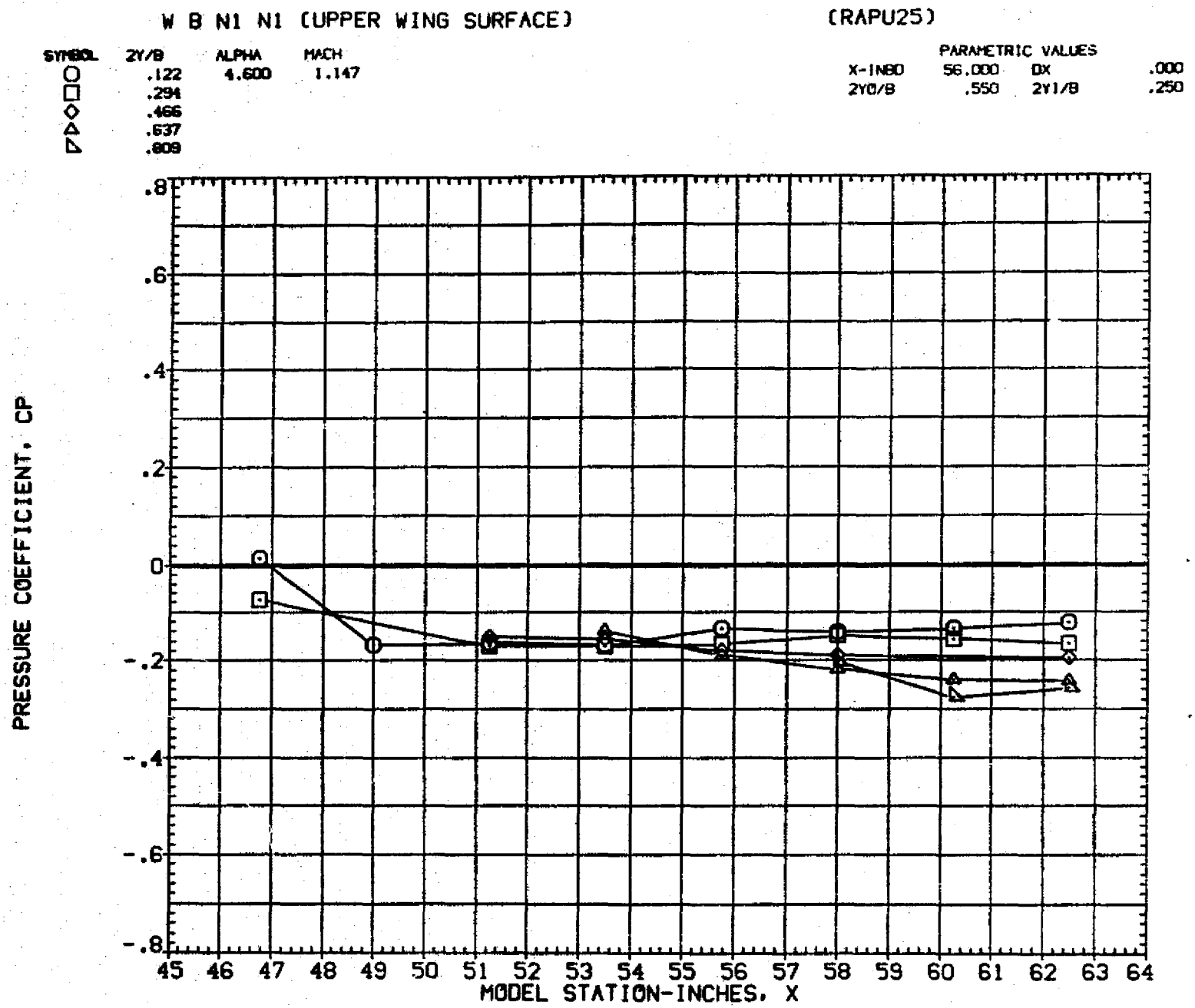


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.650	1.147
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

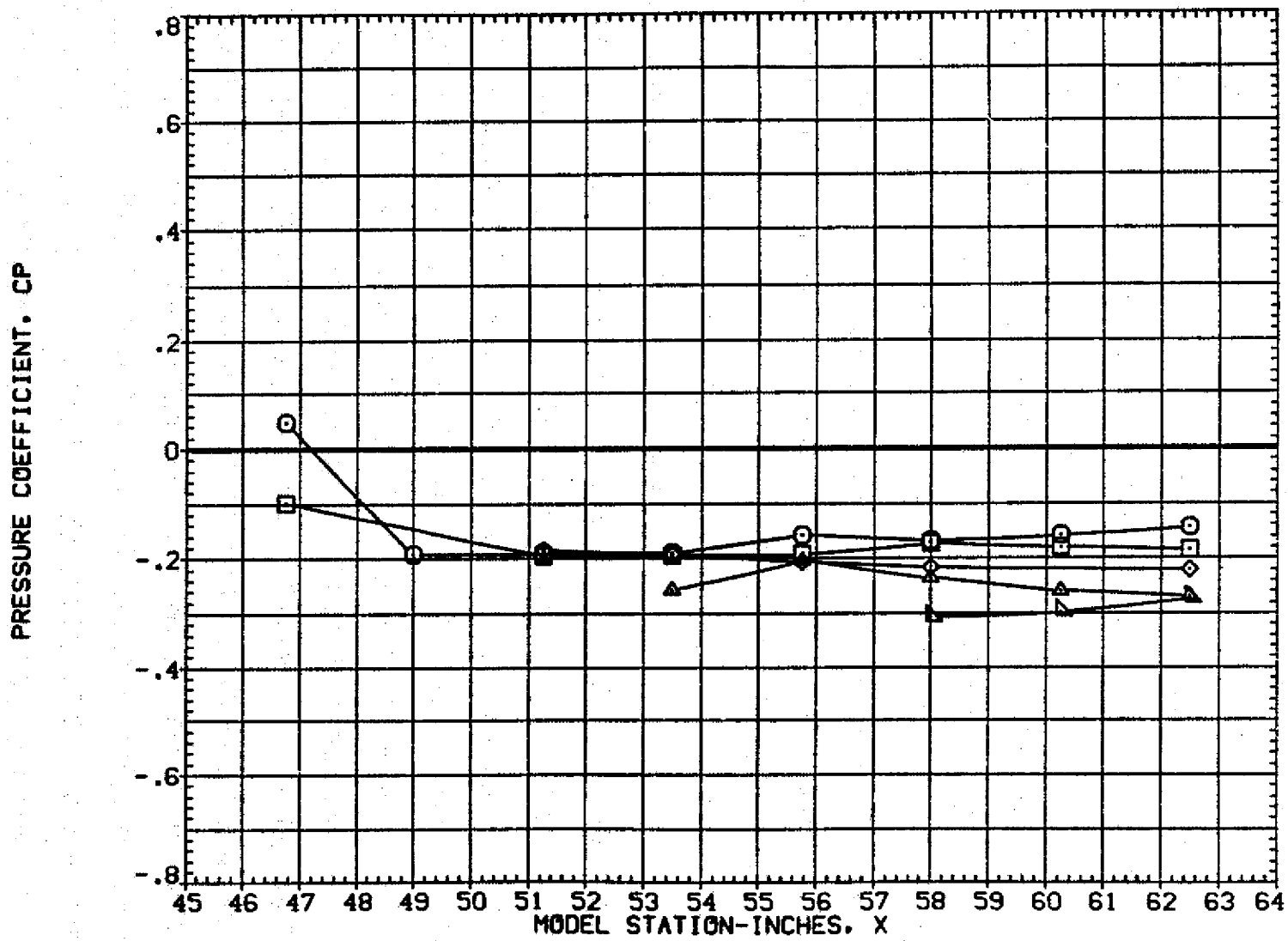


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

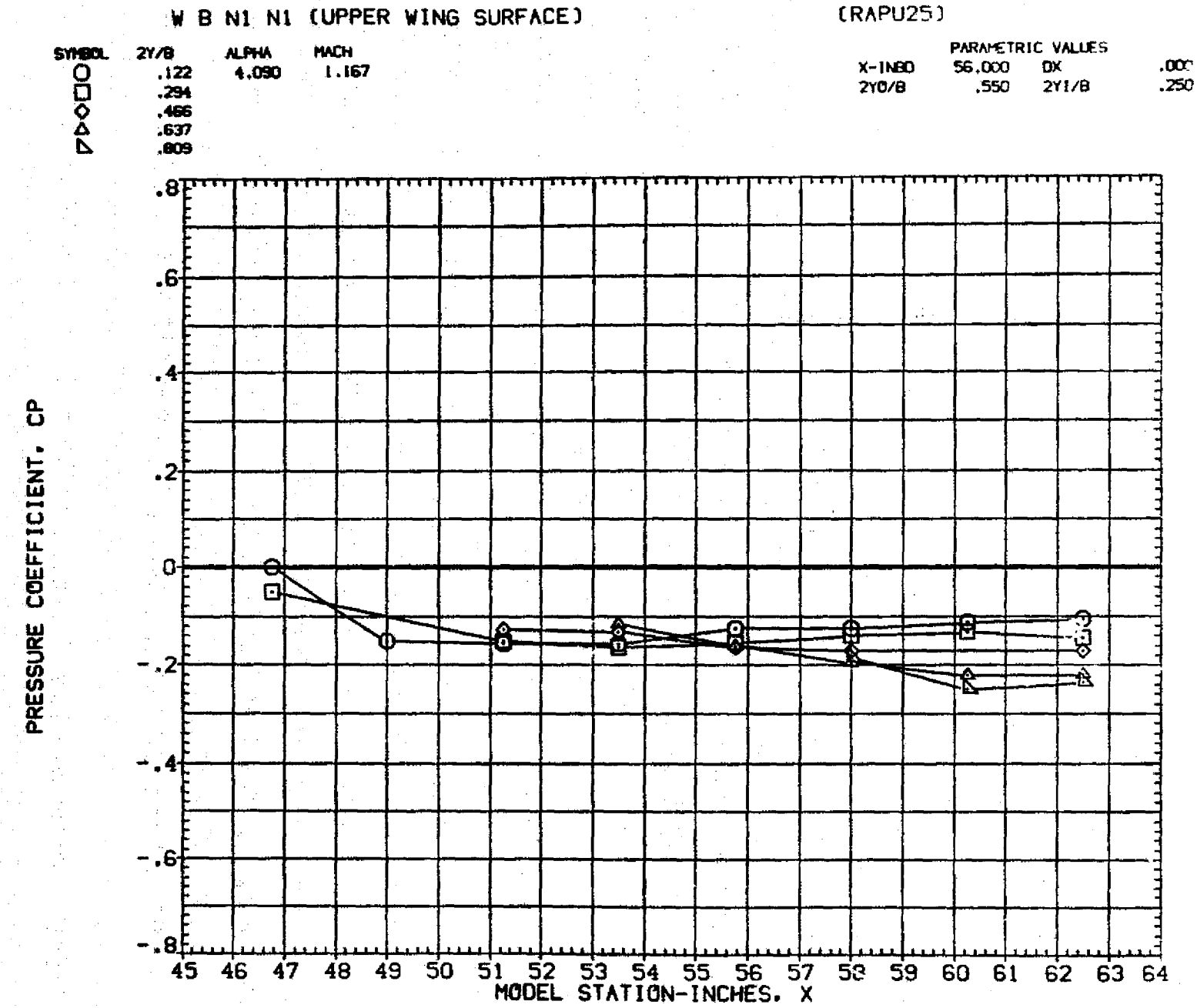


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

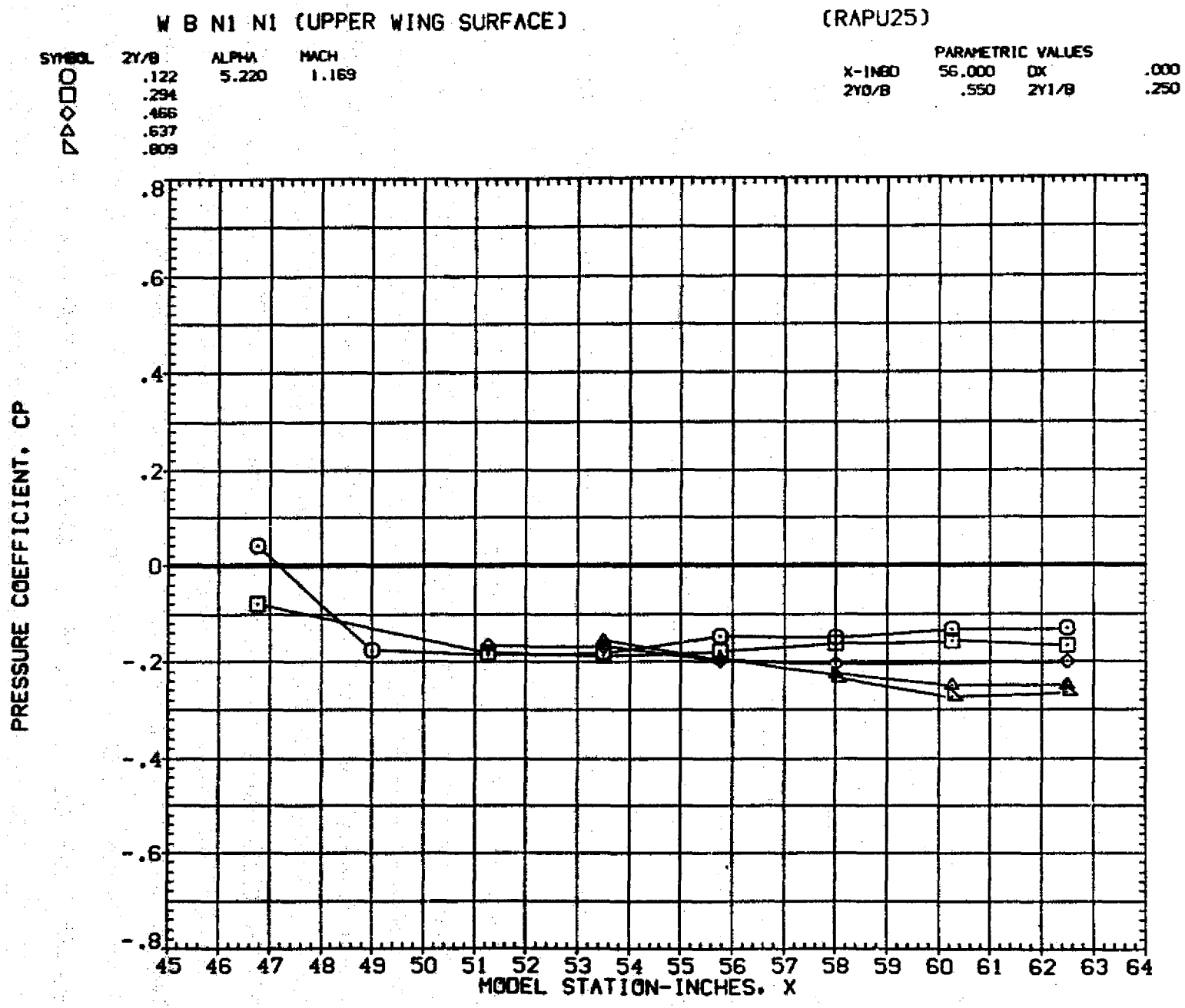


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.790	1.169
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

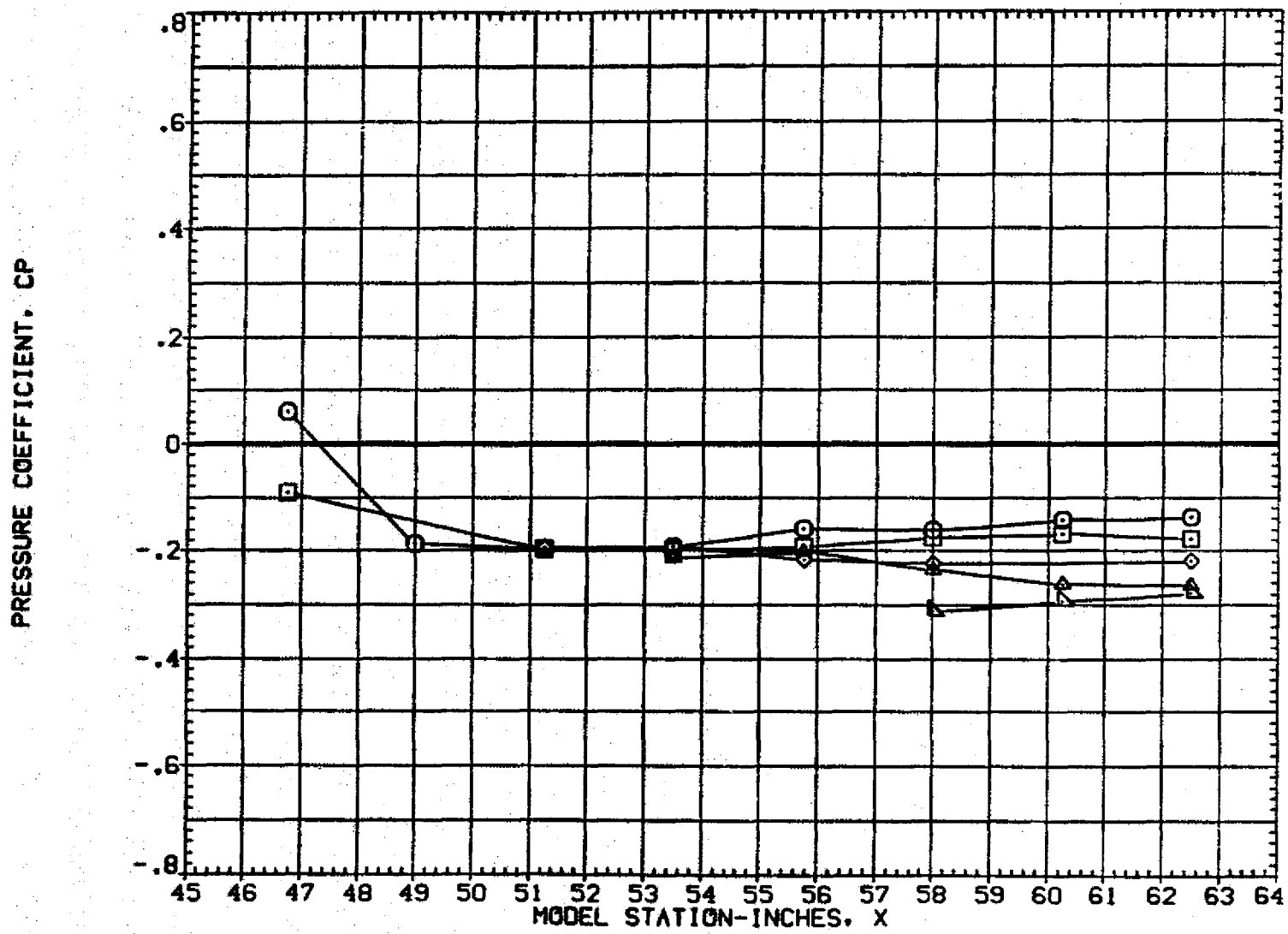


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	3.450	1.296
□	.294		
◇	.466		
△	.637		
▷	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

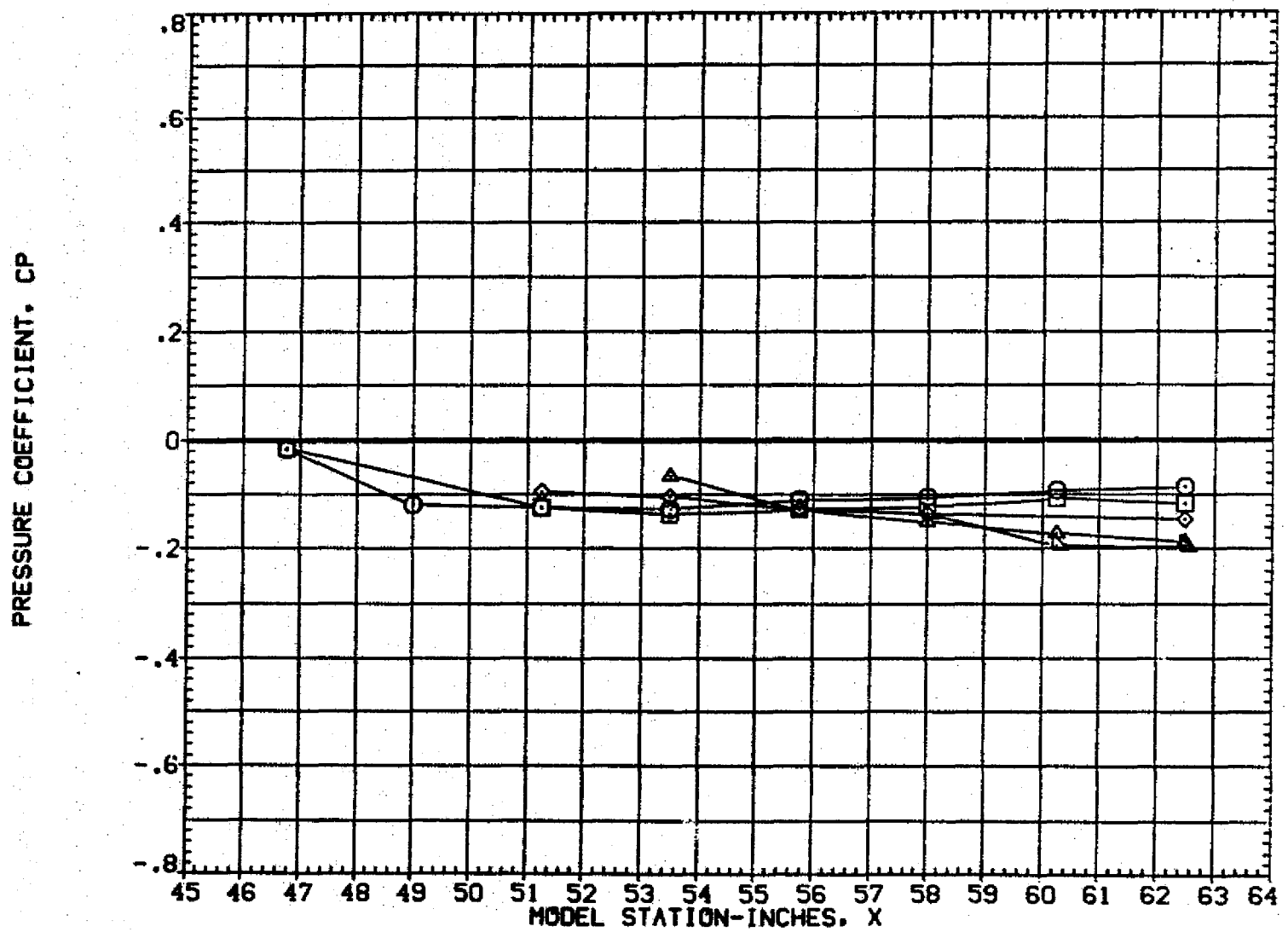


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.550	1.294
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

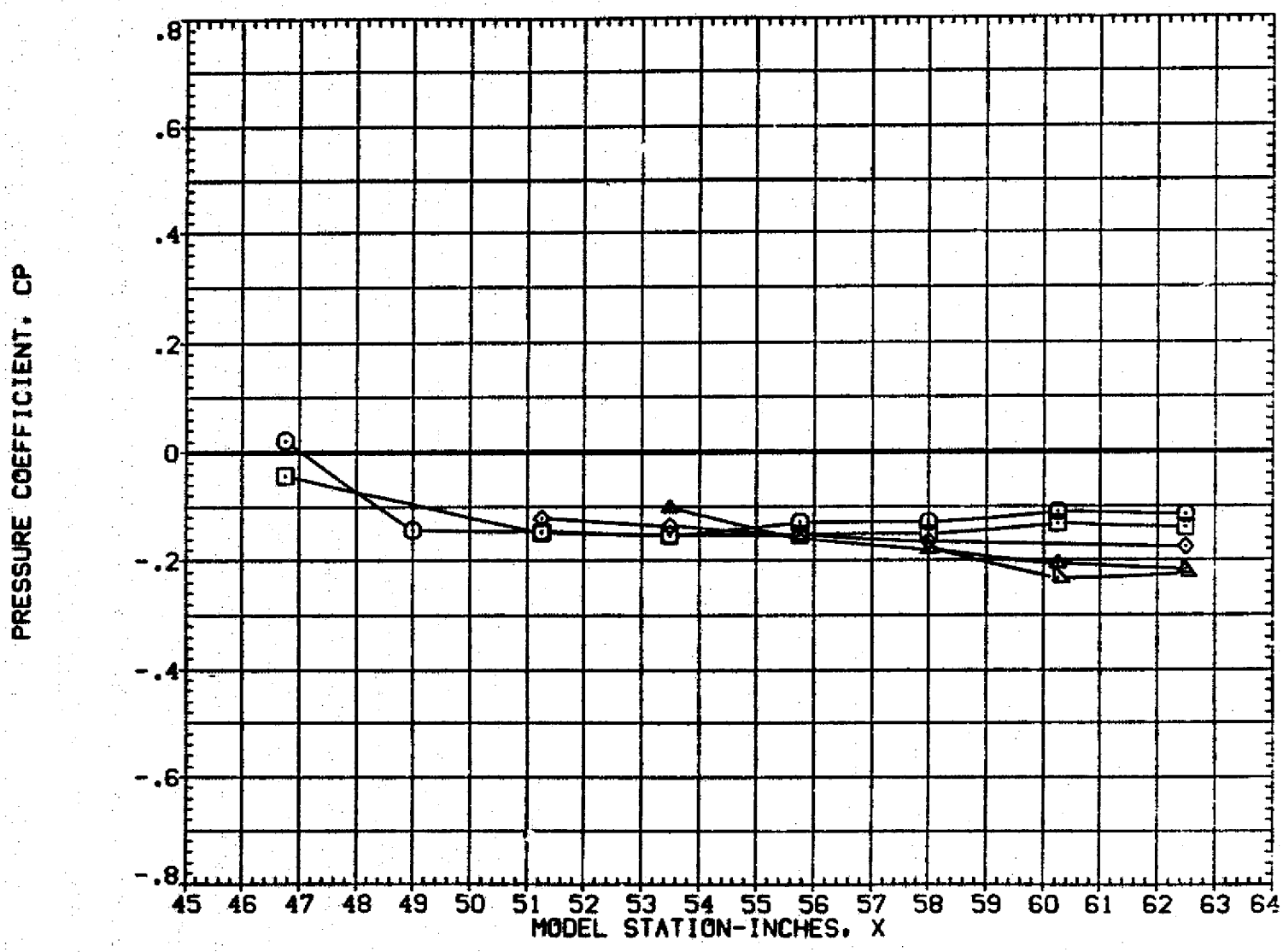


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.710	1.295
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2Y0/B	.550	2Y1/B	.250

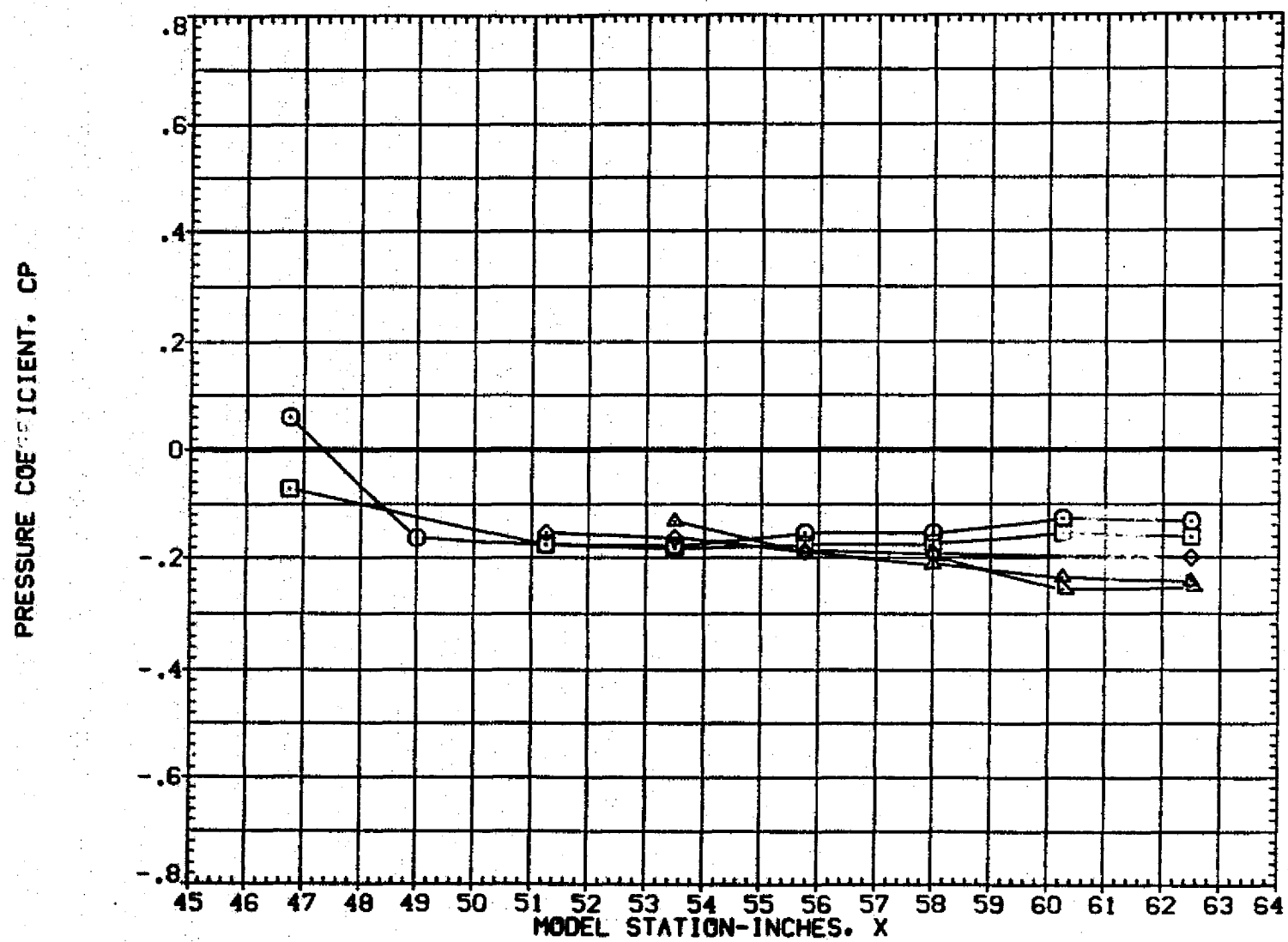


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

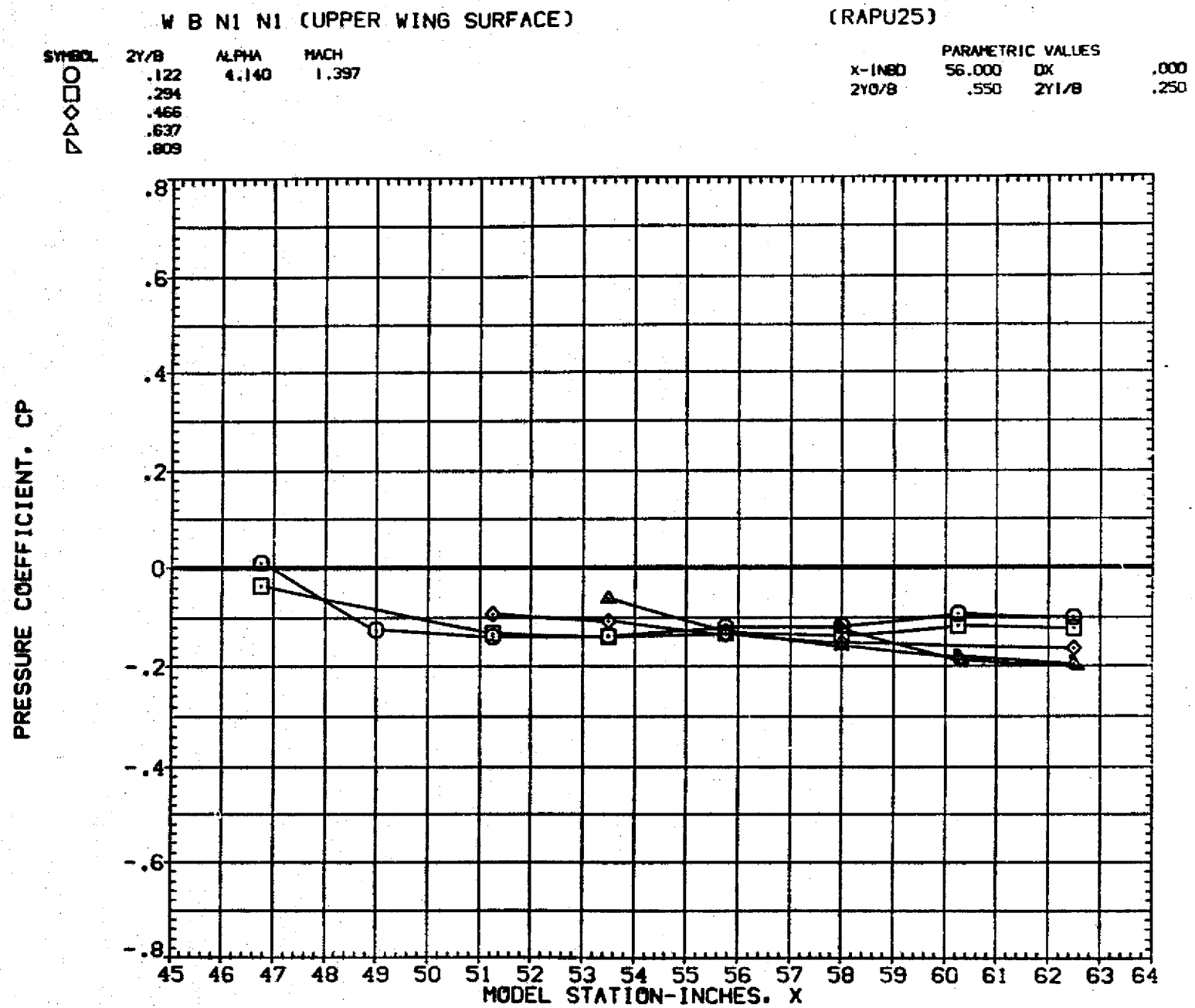


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (RAPU25)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.240	1.398
□	.294		
◇	.466		
△	.637		
◿	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
2YO/B	.550	2YI/B	.250

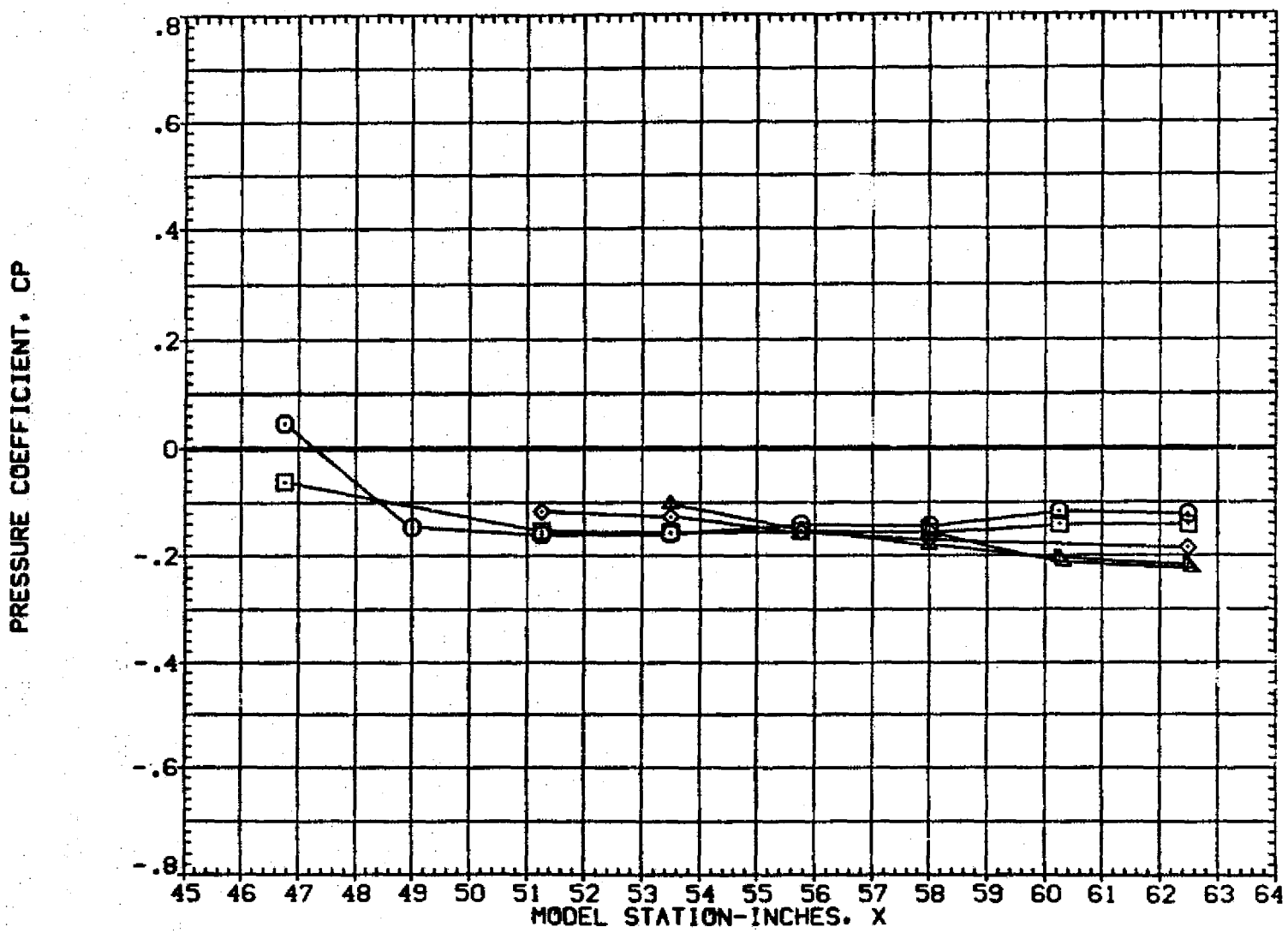


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

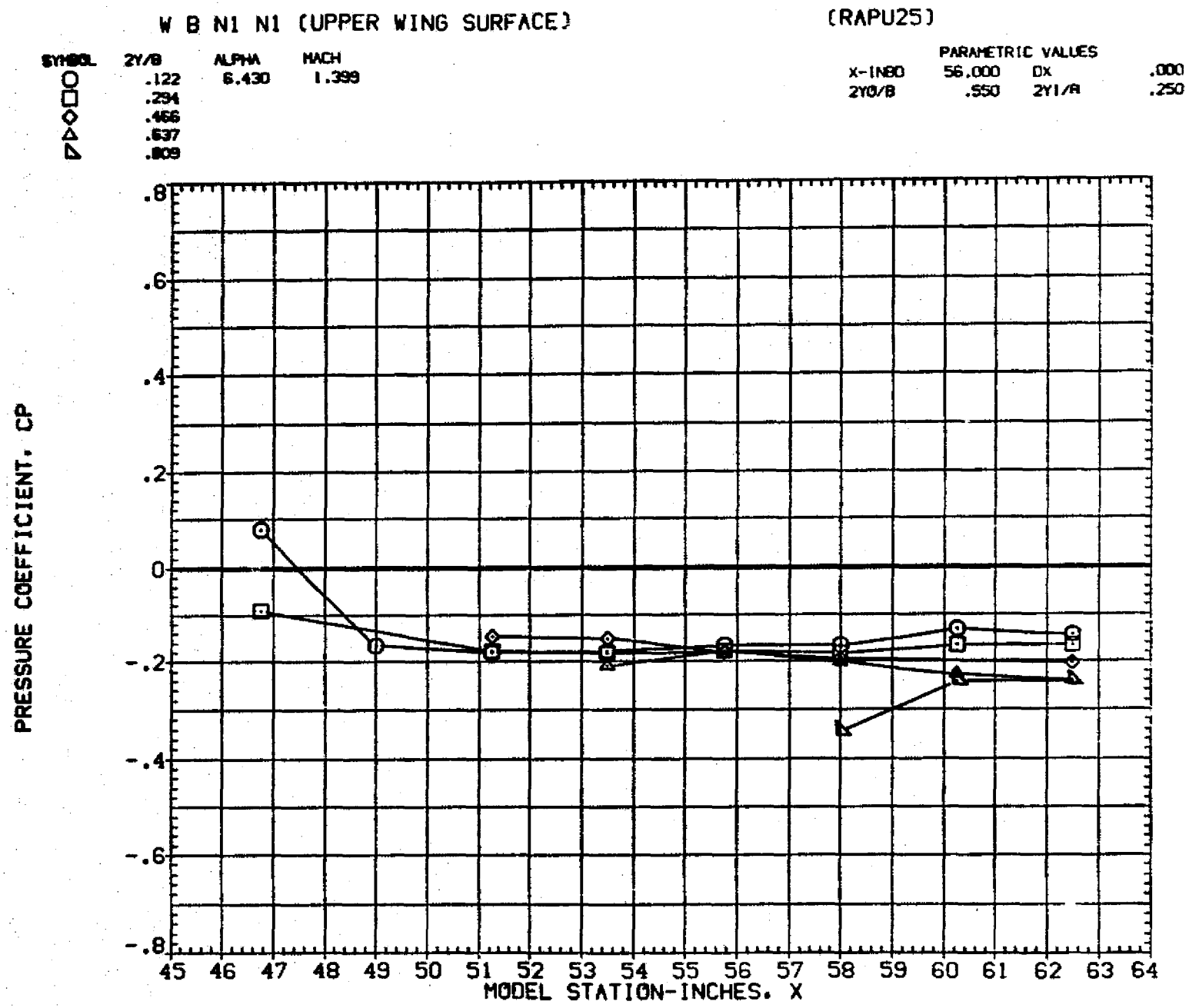


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

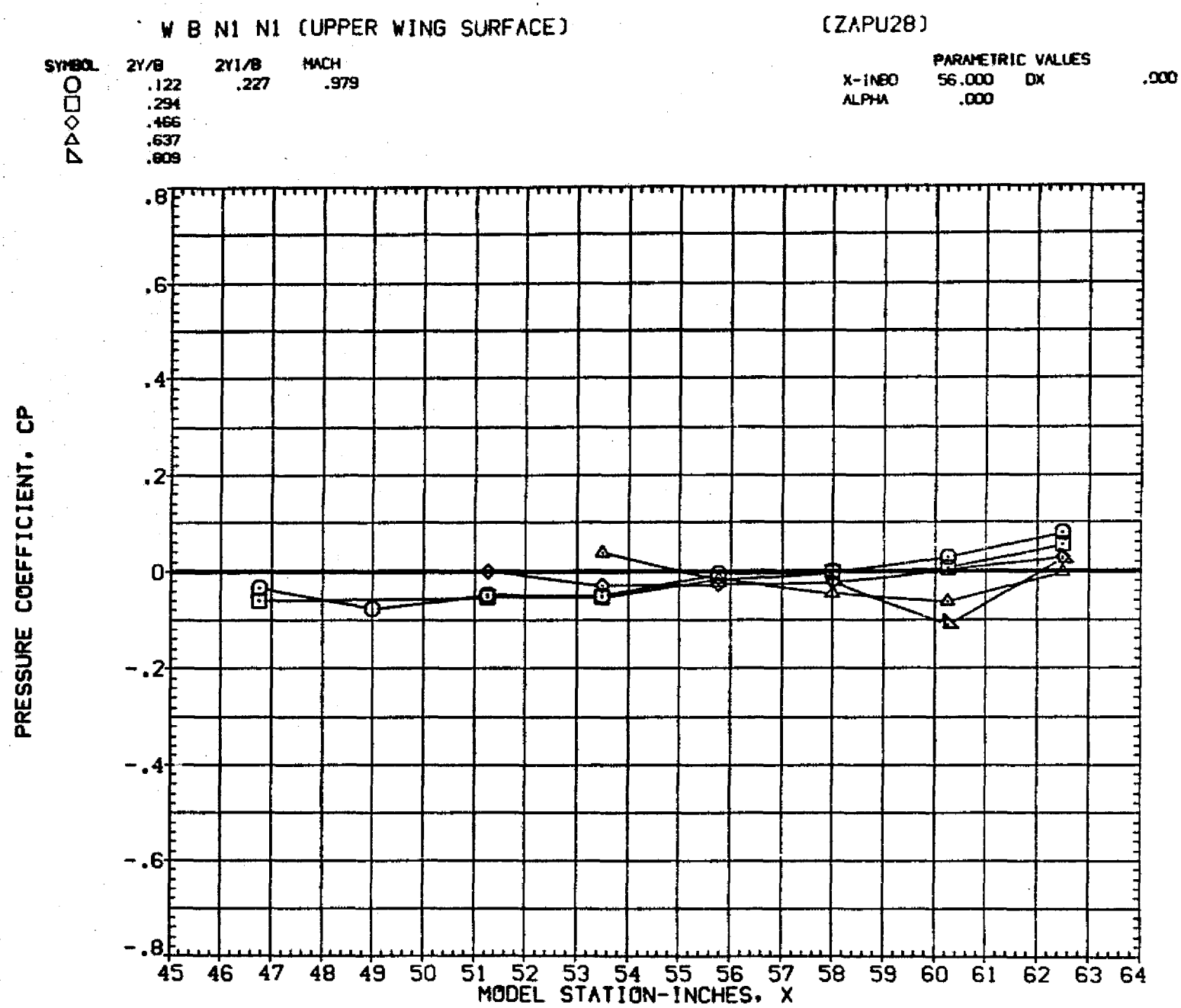


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.122	.301	.980
□	.294		
◇	.466		
△	.637		
▷	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

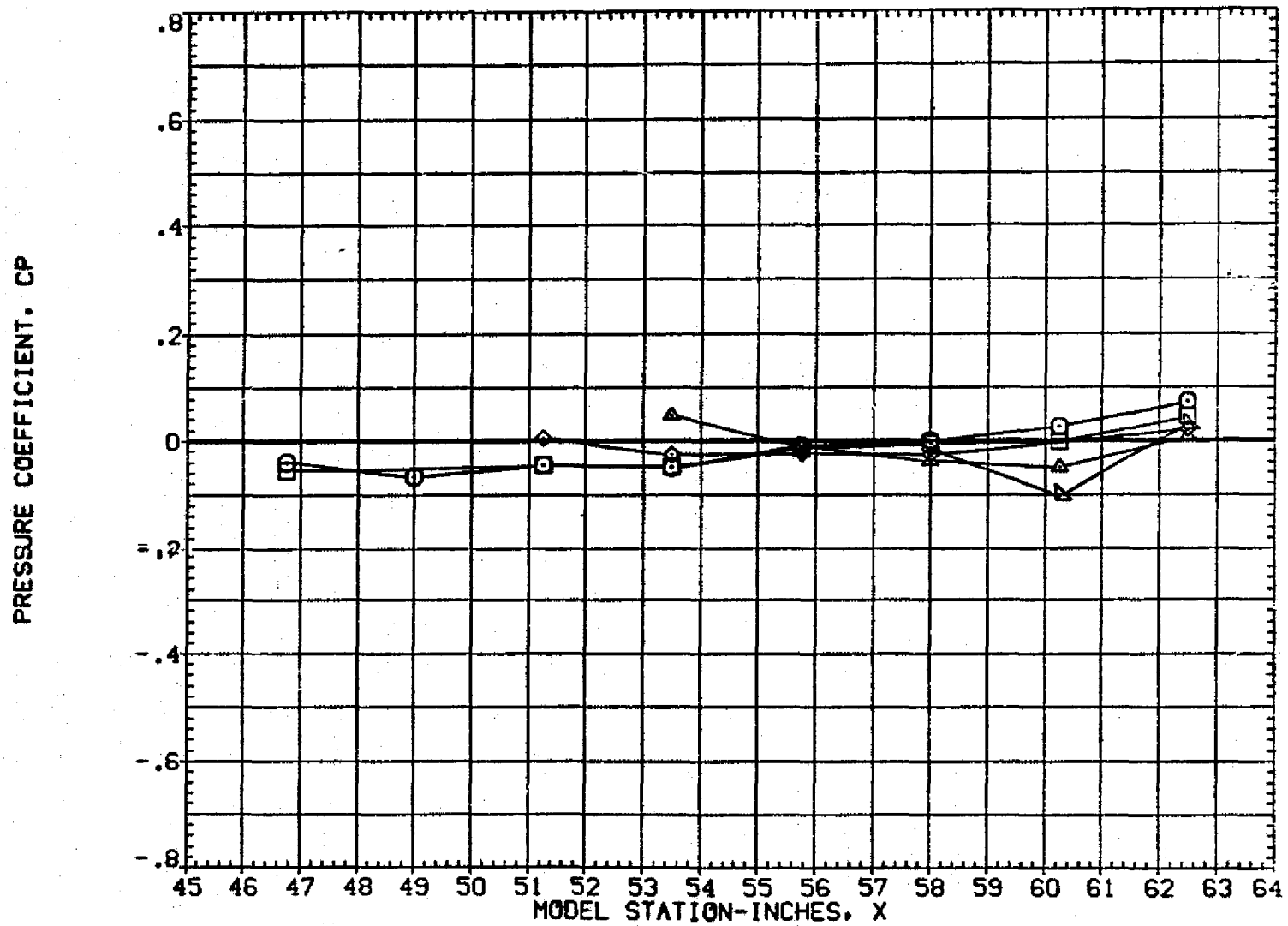


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU28)

SYMBOL	2Y/B	2YI/B	MACH
○	.122	.225	1.149
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

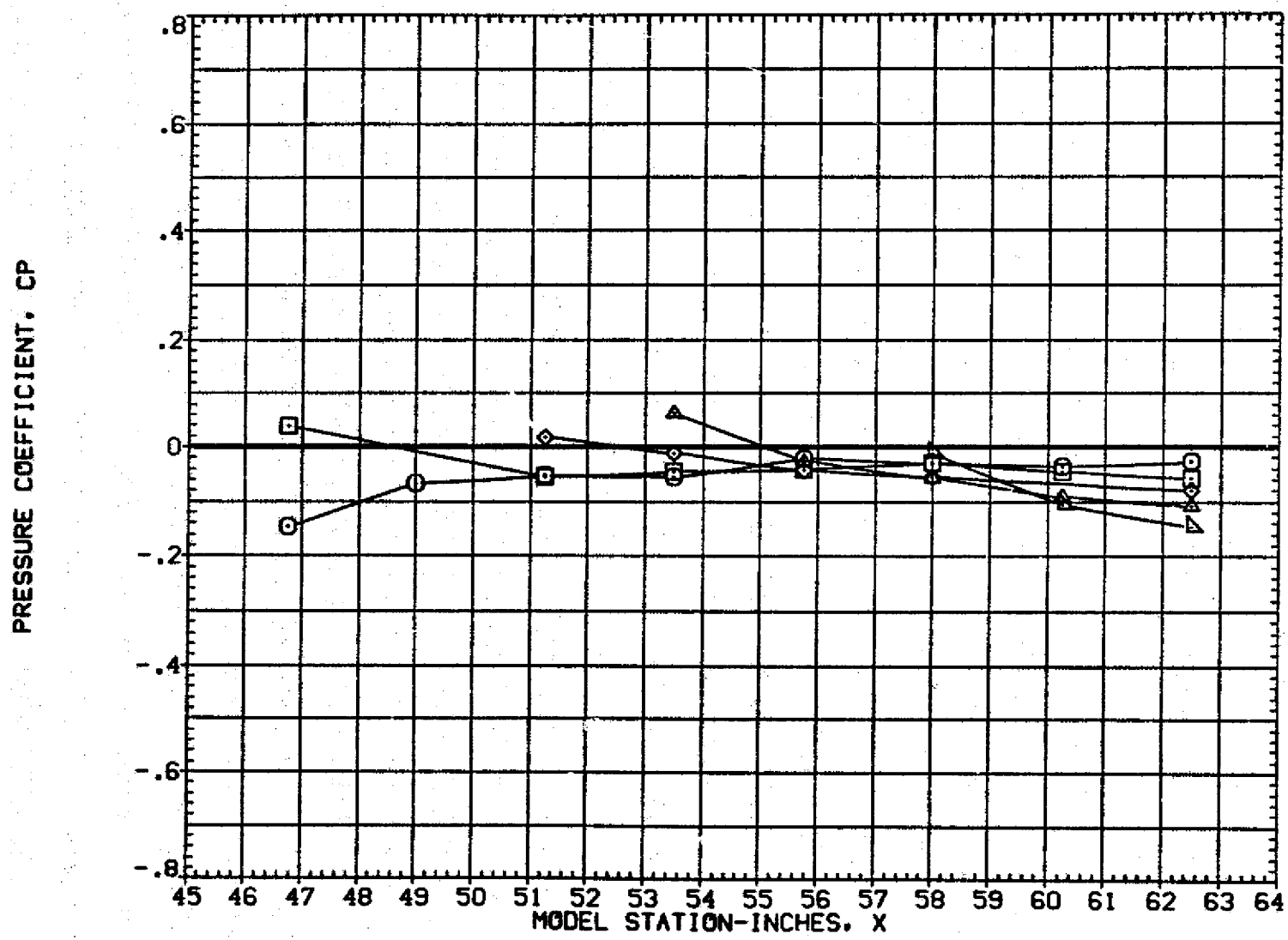


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.122	.299	1.149
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

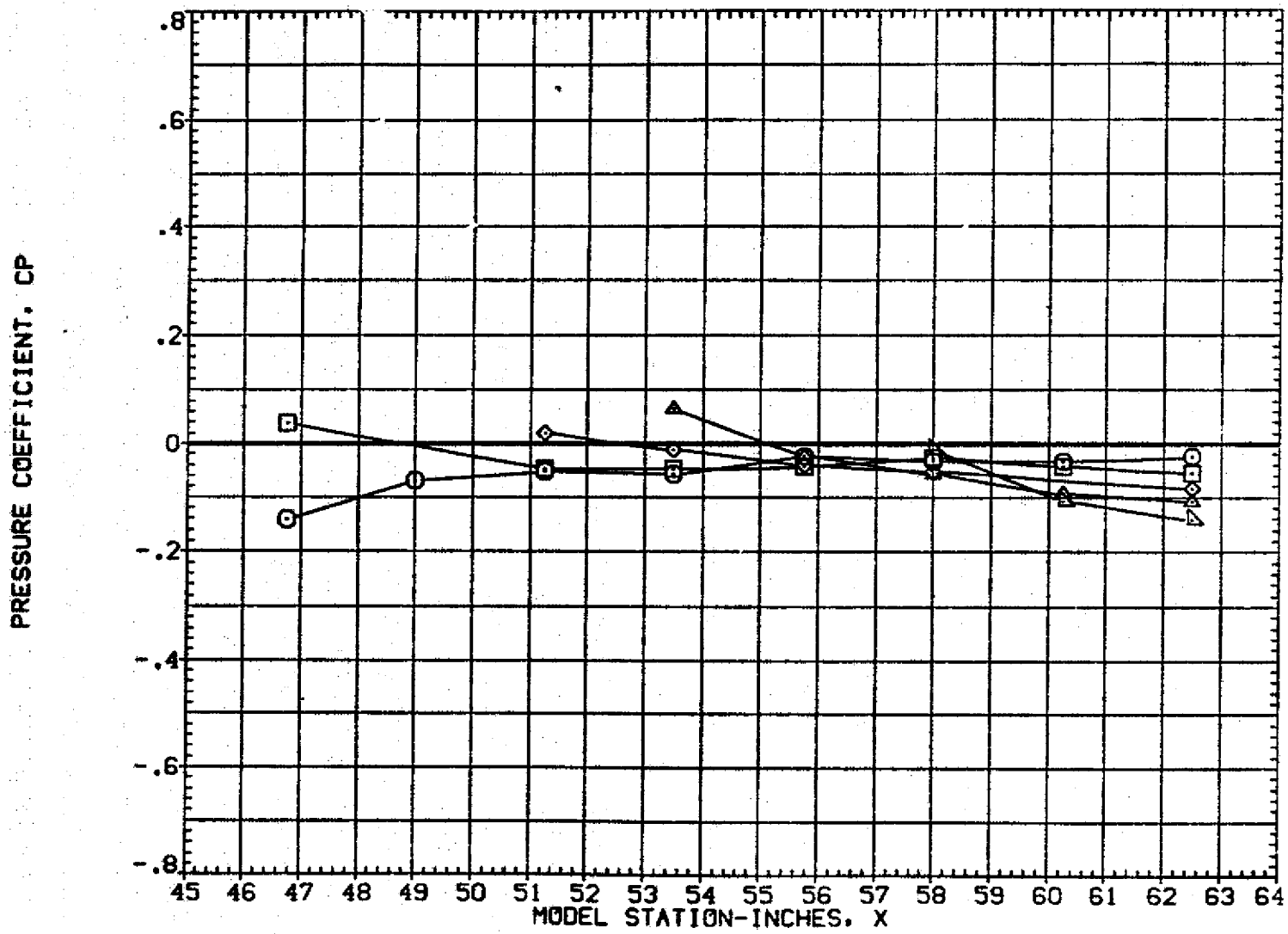


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU28)

SYMBOL	2Y/B	2Y1/B	MACH
○	.122	.225	1.400
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	56.000	DX	.000
ALPHA	.000		

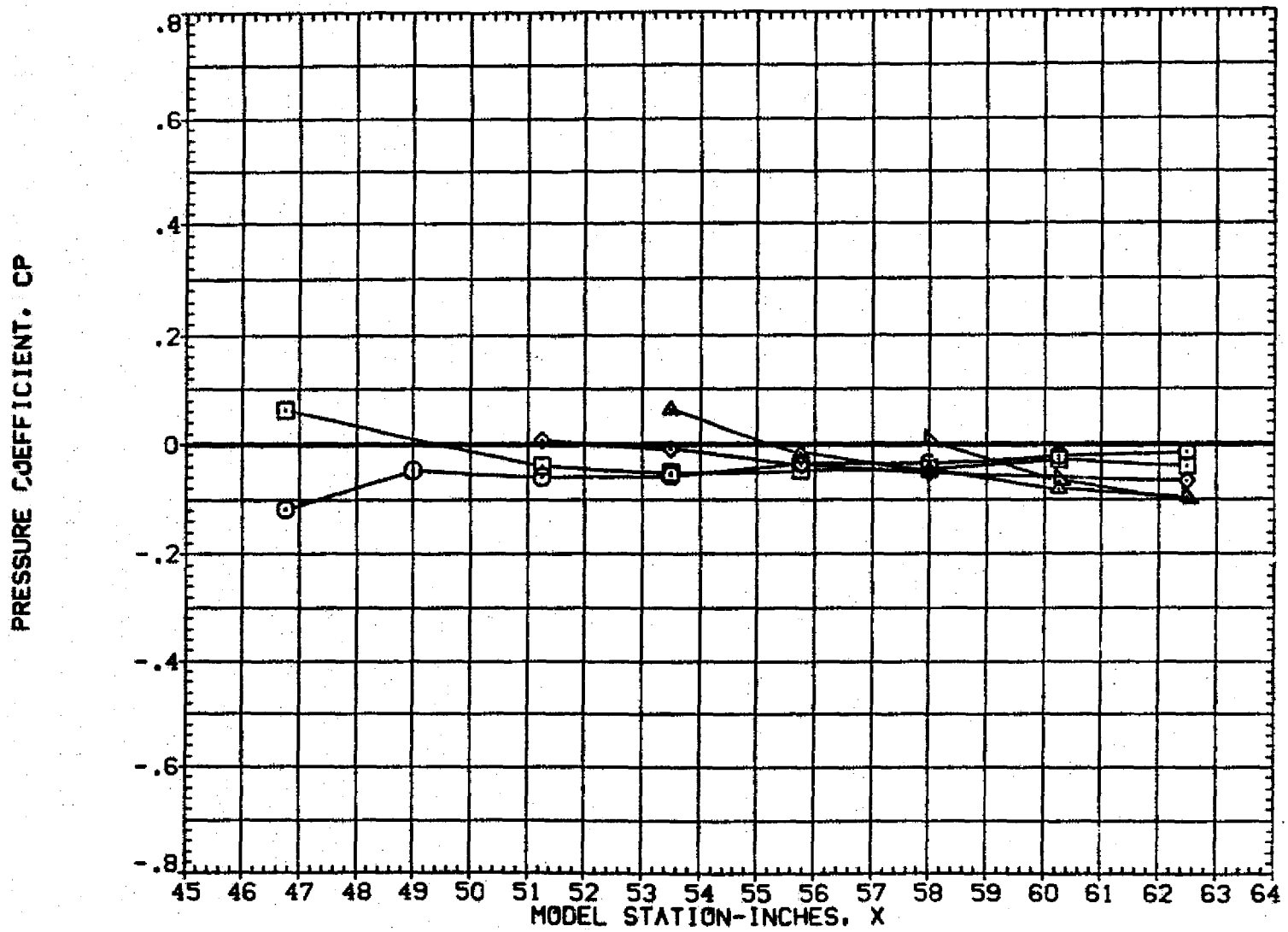


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

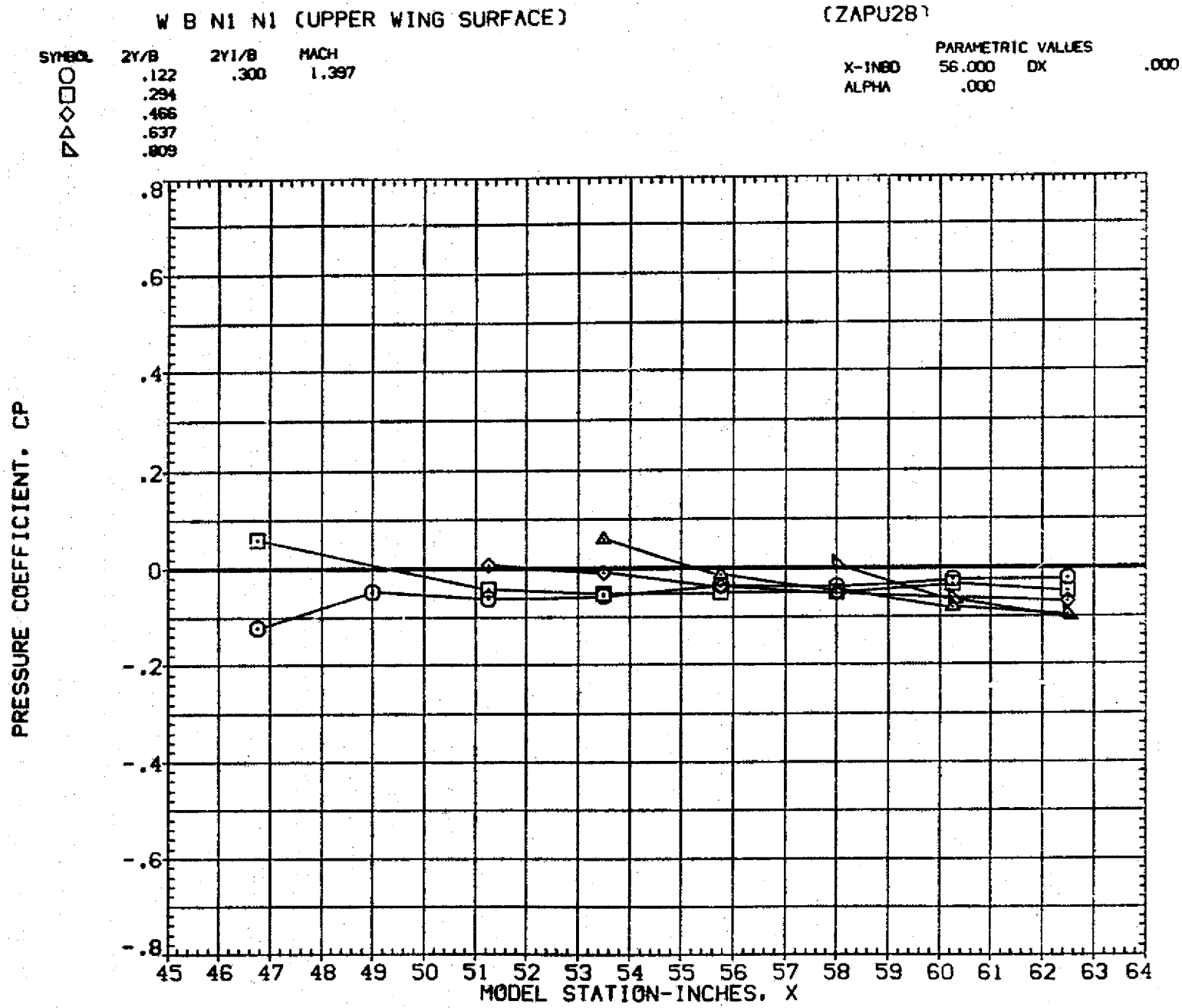


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

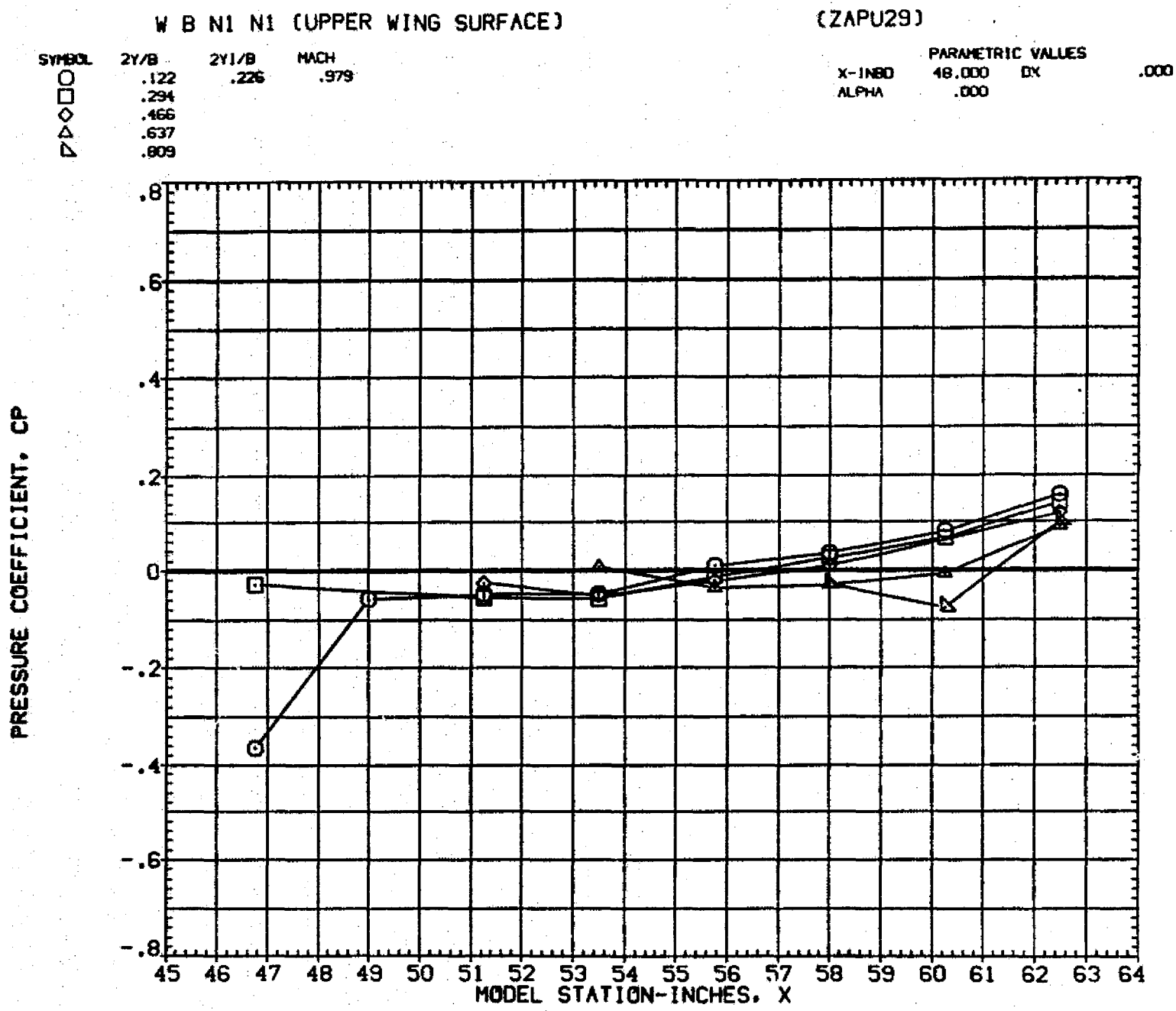


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

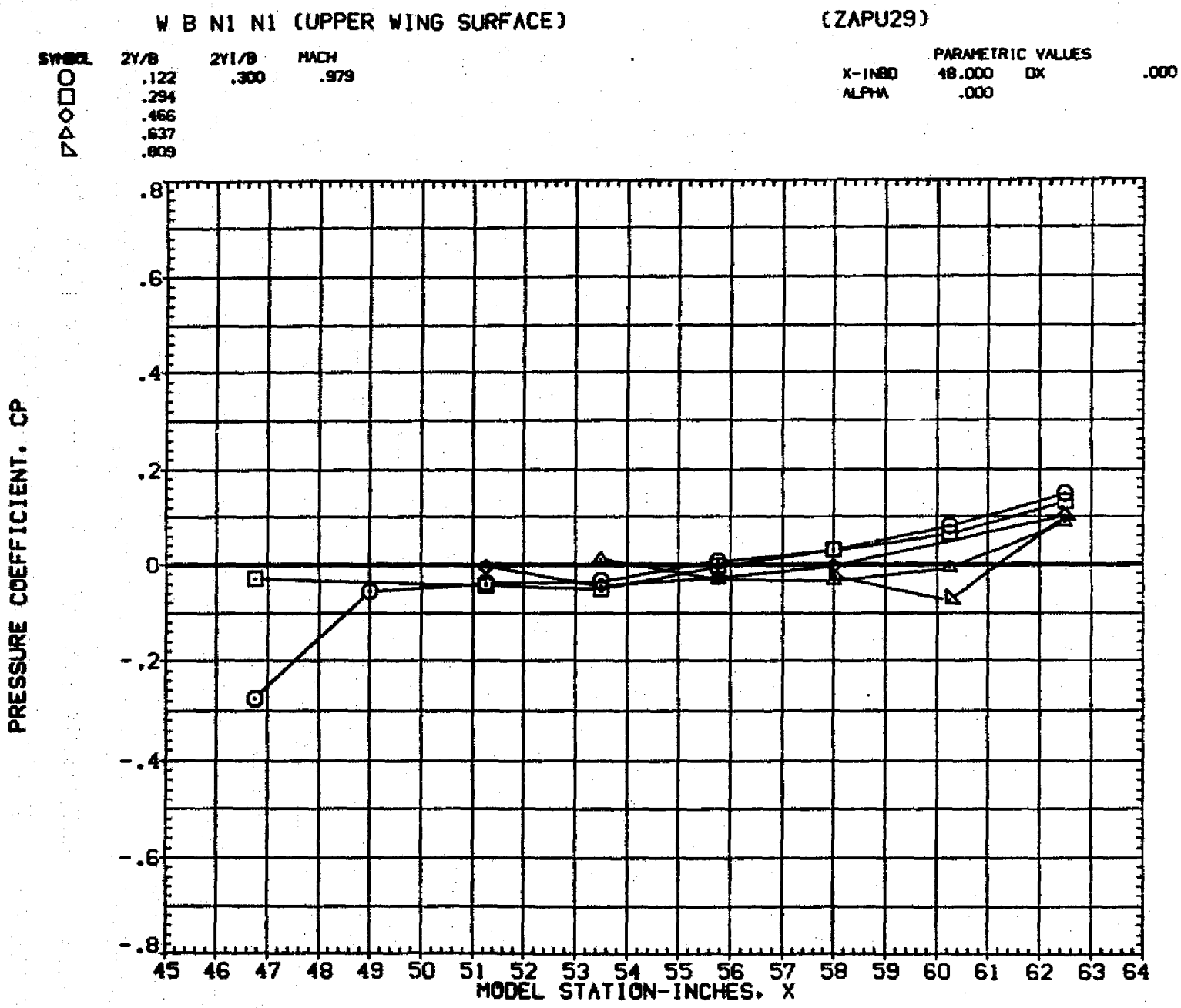


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU29)

SYMBOL	2Y/B	2Y1/B	MACH
○	.122	.225	1.151
□	.294		
◇	.466		
△	.637		
◸	.809		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		

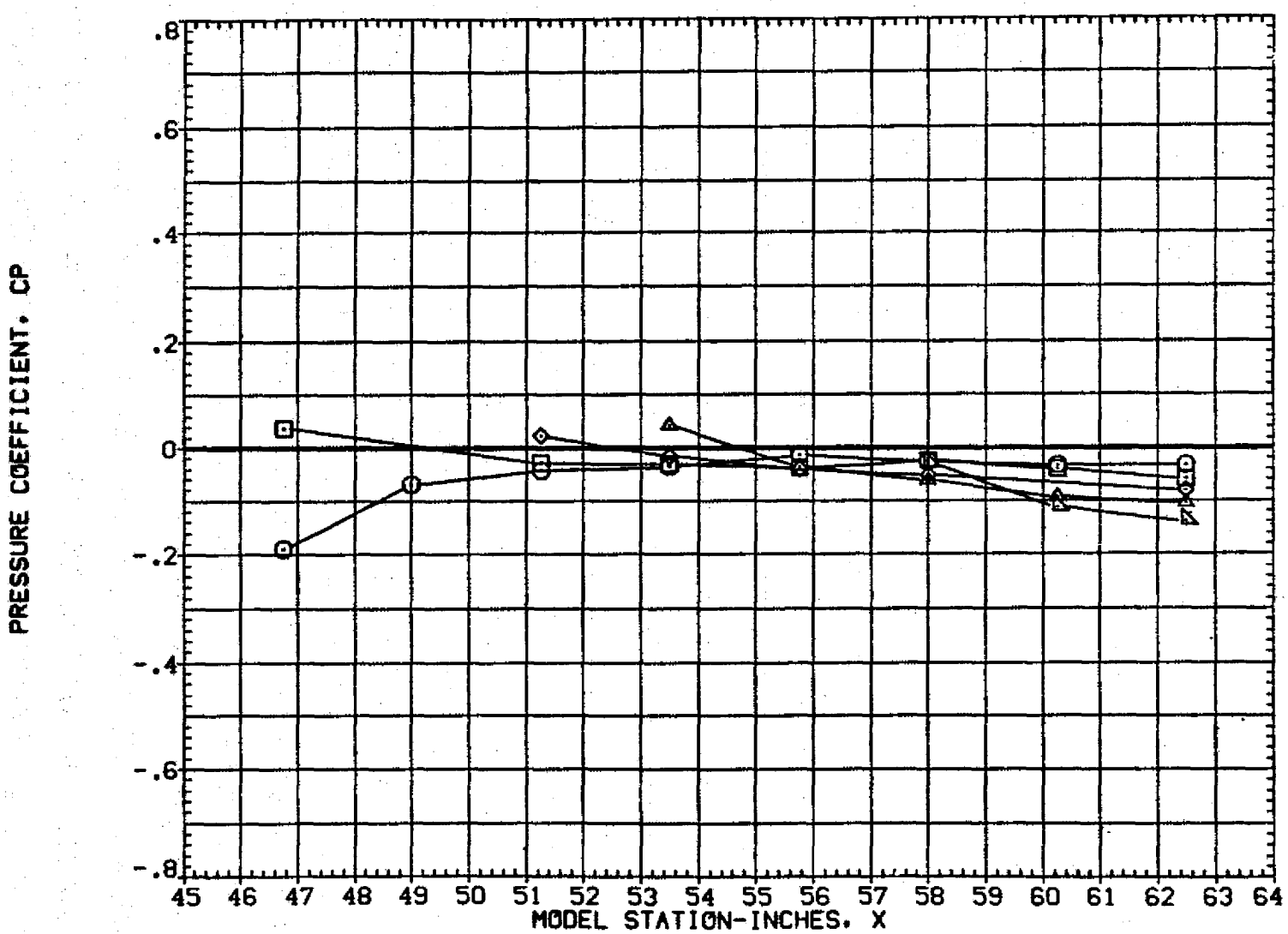


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU29)

SYMBOL	2Y/B	2Y1/B	MACH
○	.122	.299	1.149
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		

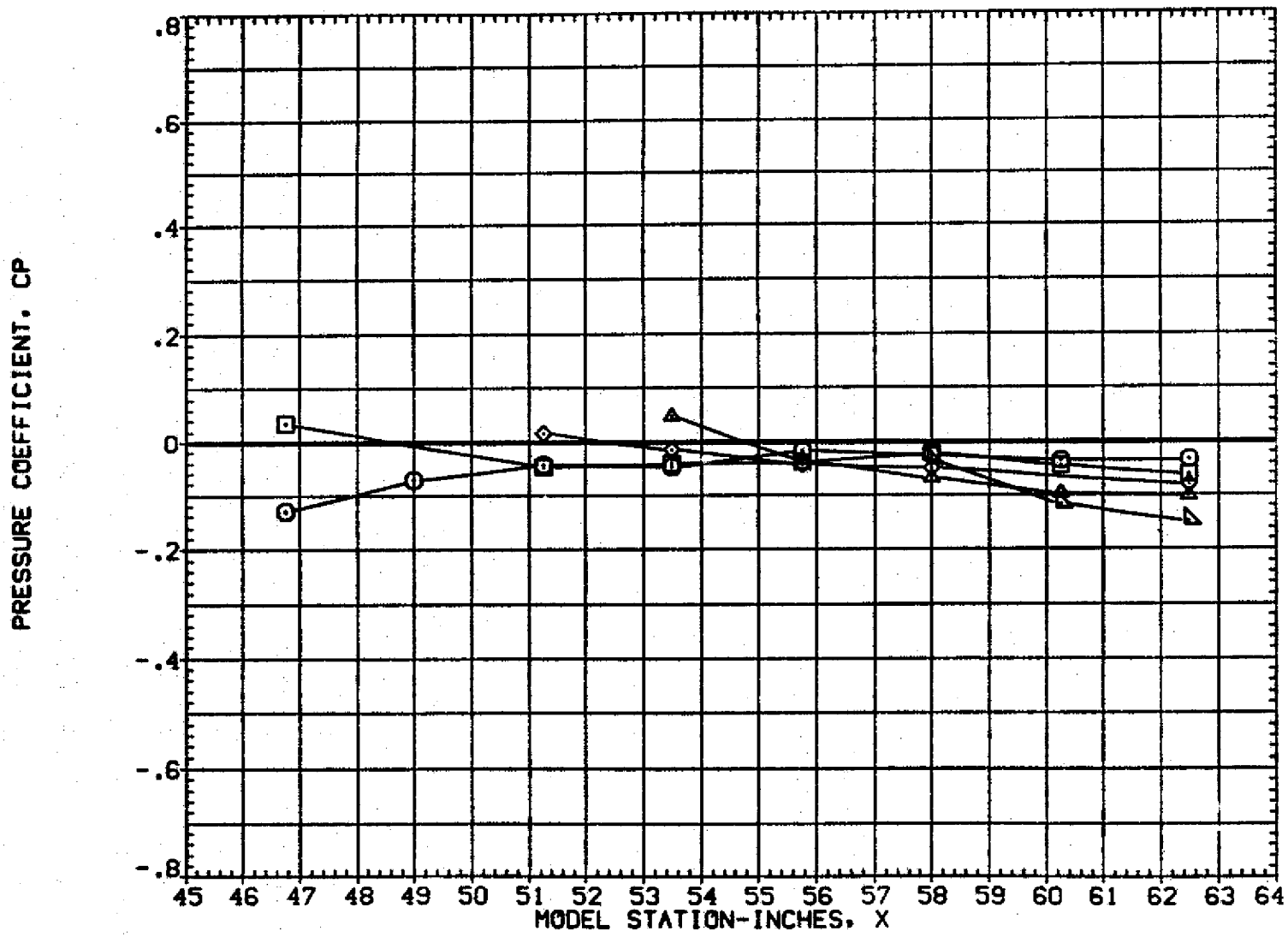


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU29)

SYMBOL	2Y/B	2YI/B	MACH
○	.122	.226	1.398
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		

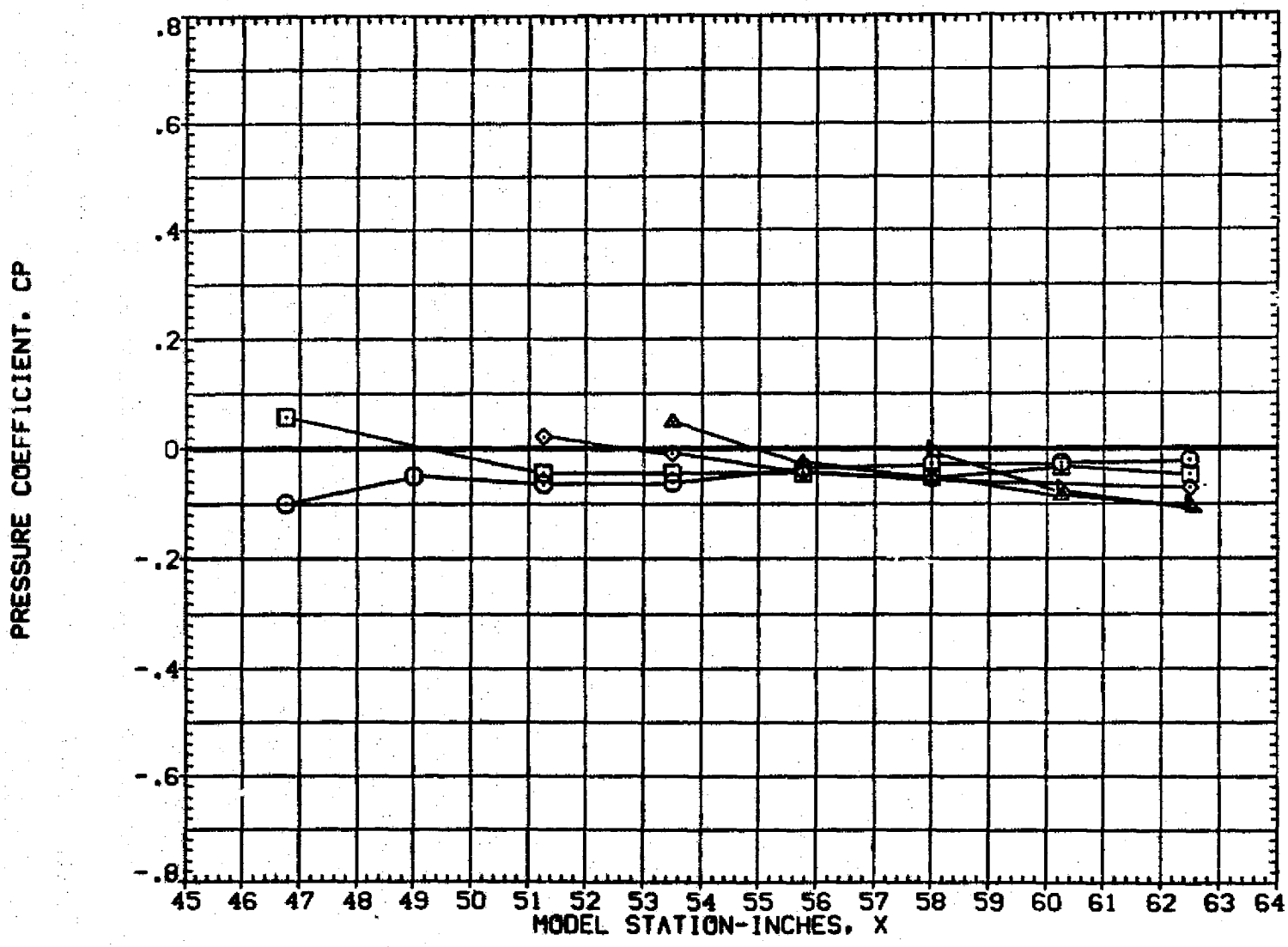


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU29)

SYMBOL	2Y/B	2YI/B	MACH
○	.122	.300	1.395
□	.294		
◇	.466		
△	.637		
◸	.809		

PARAMETRIC VALUES

X-INBD	48.000	DX	.000
ALPHA	.000		

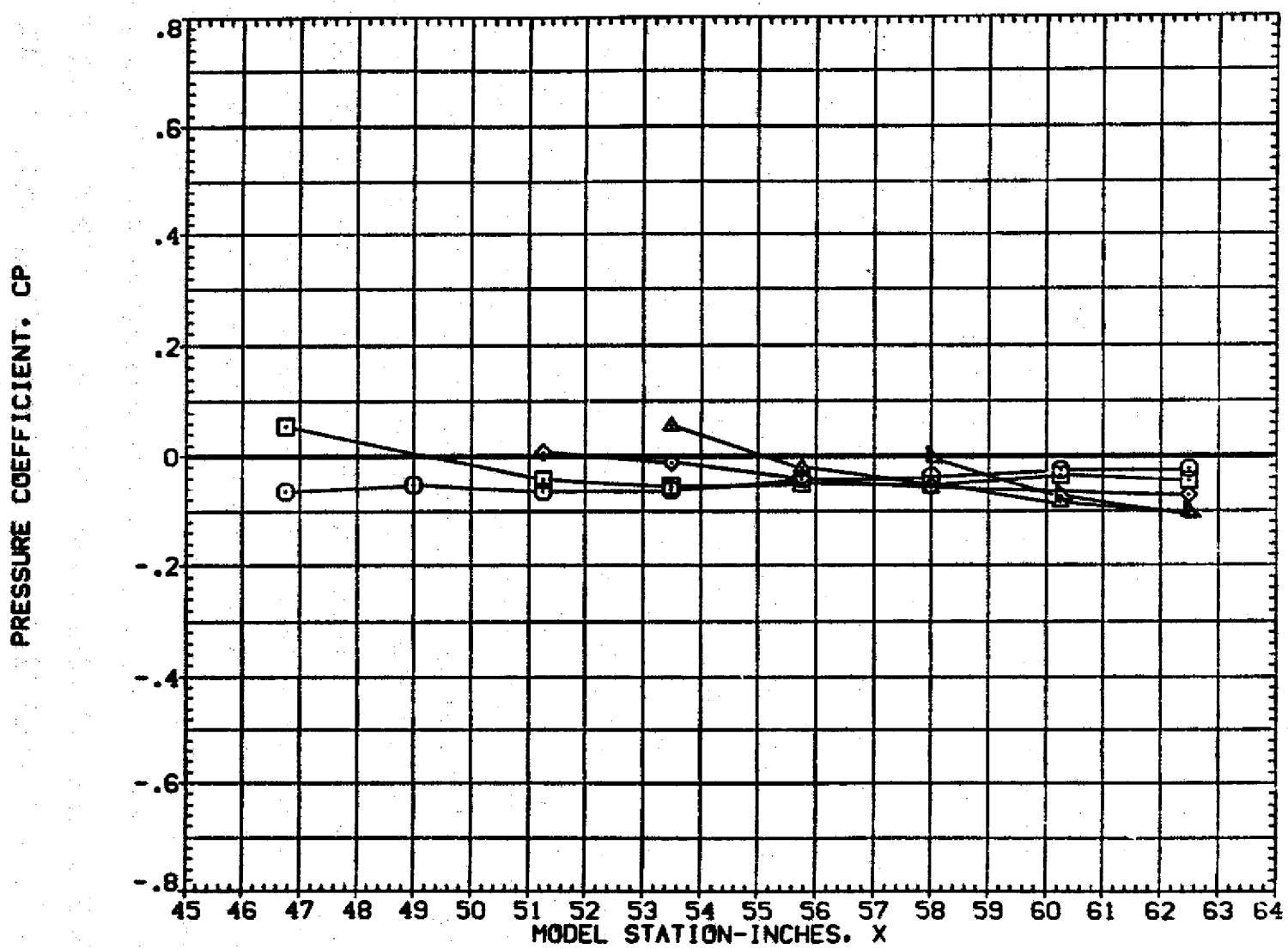


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

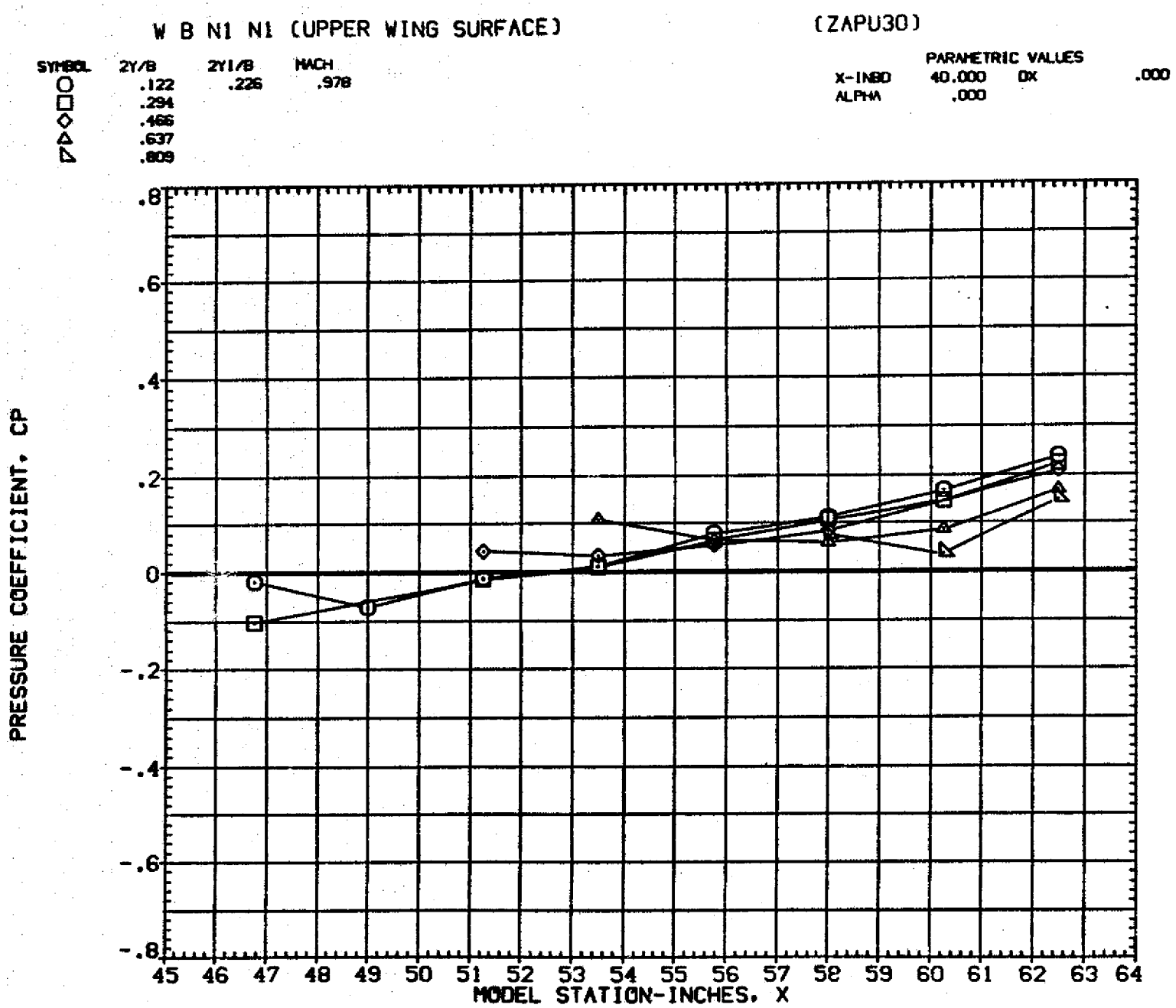


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

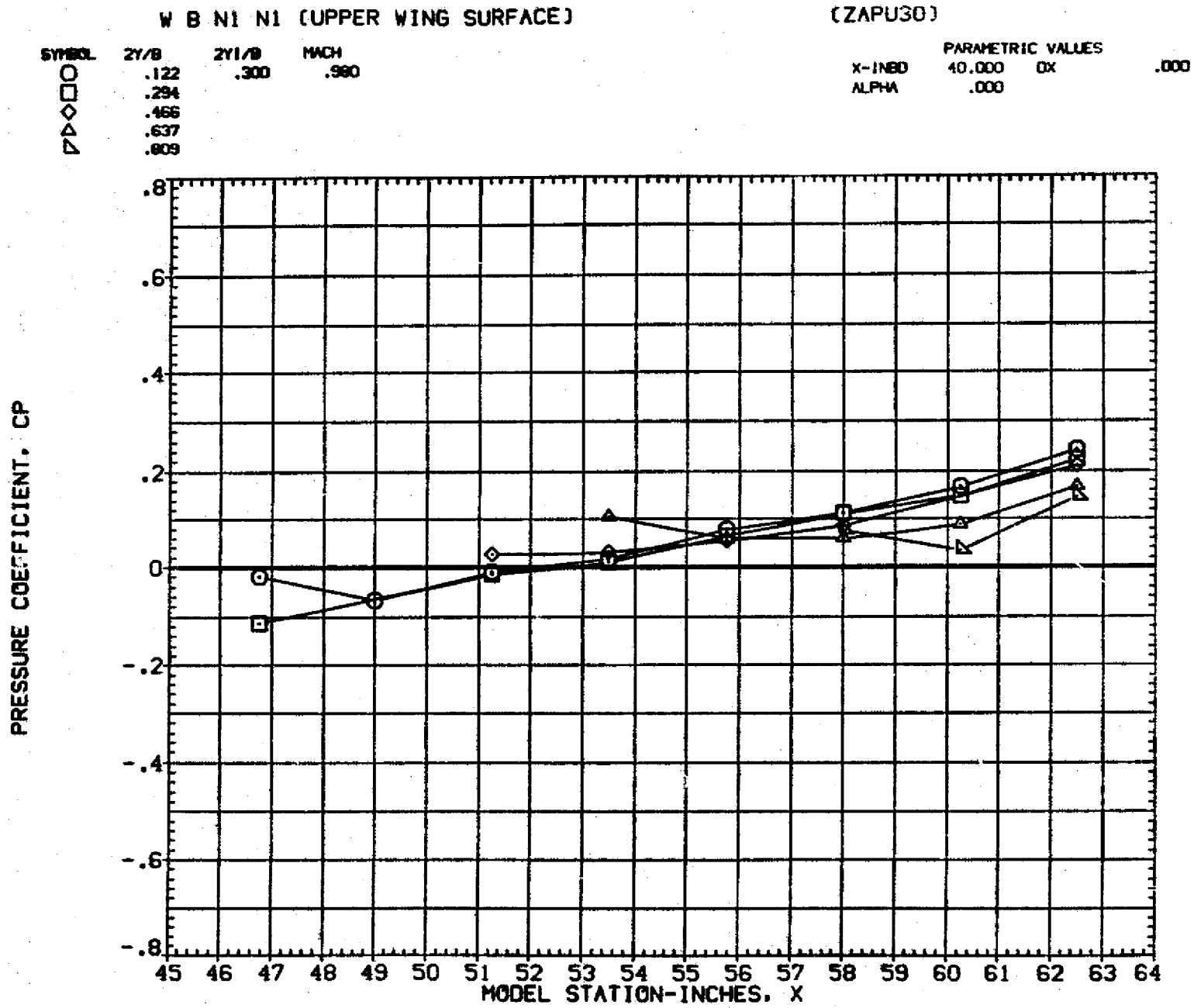


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

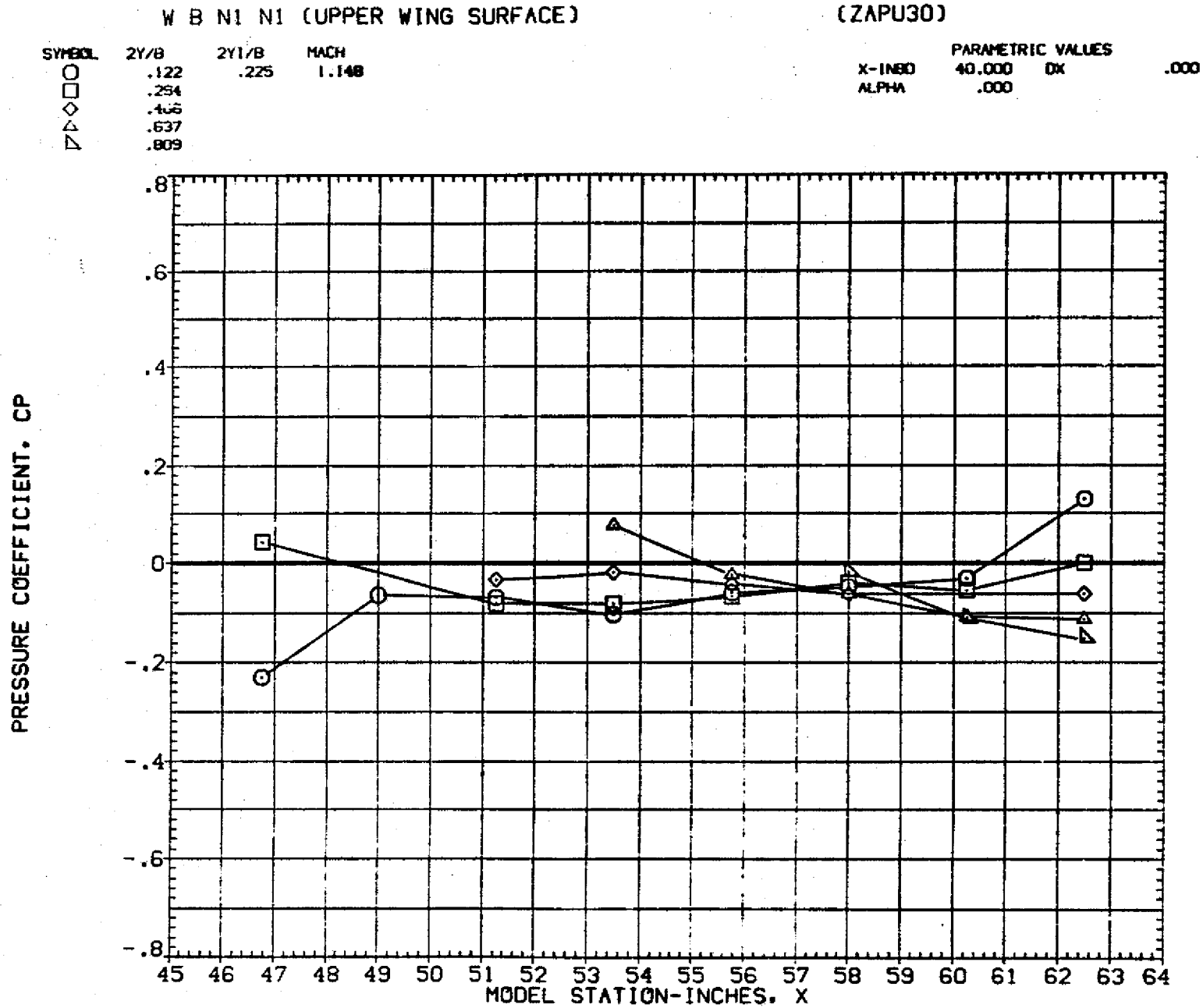


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N1 N1 (UPPER WING SURFACE) (ZAPU30)

SYMBOL	2Y/B	2Y1/B	MACH
○	.122	.299	1.146
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-INBD	40.000	DX	.000
ALPHA	.000		

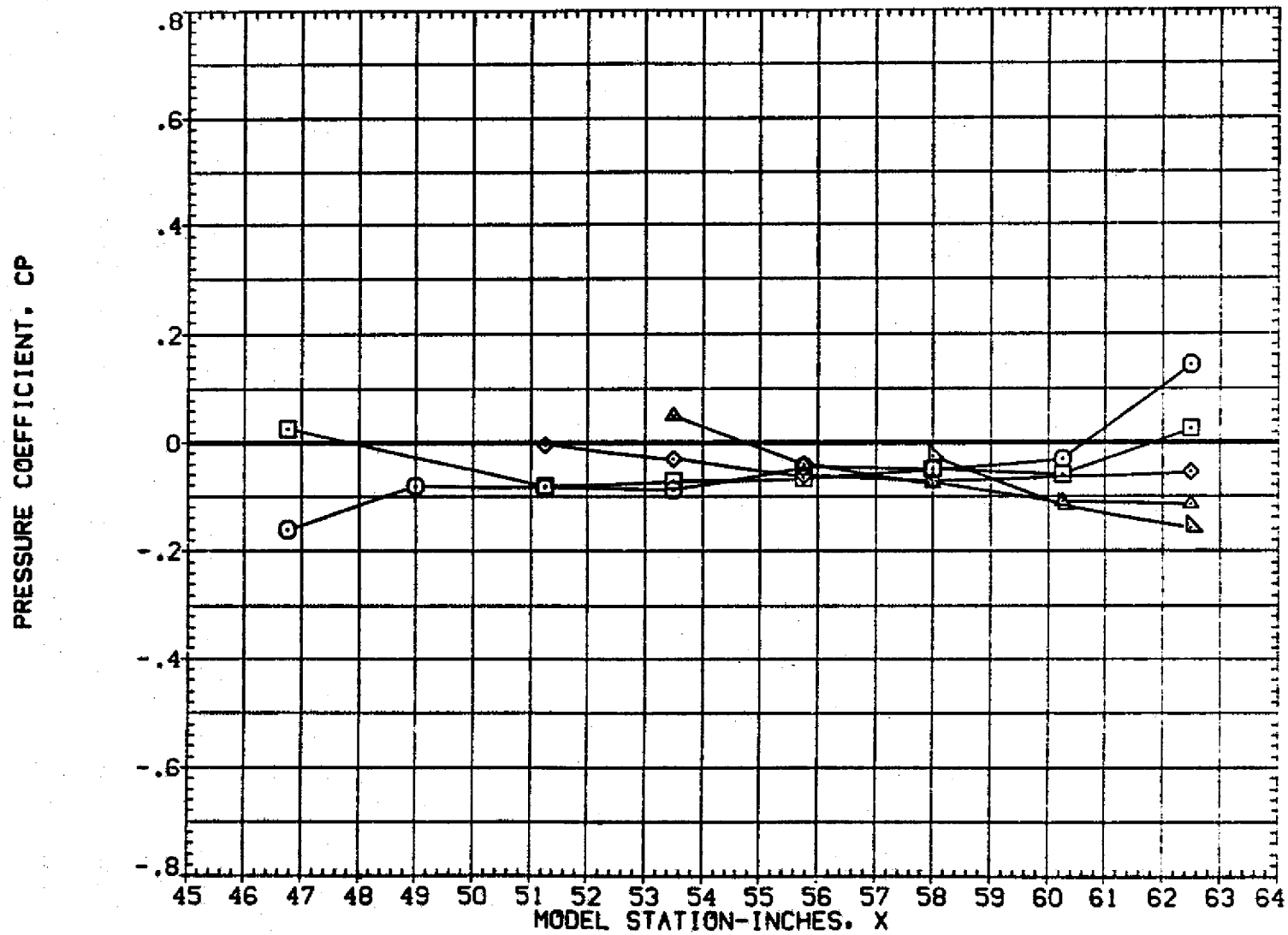


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

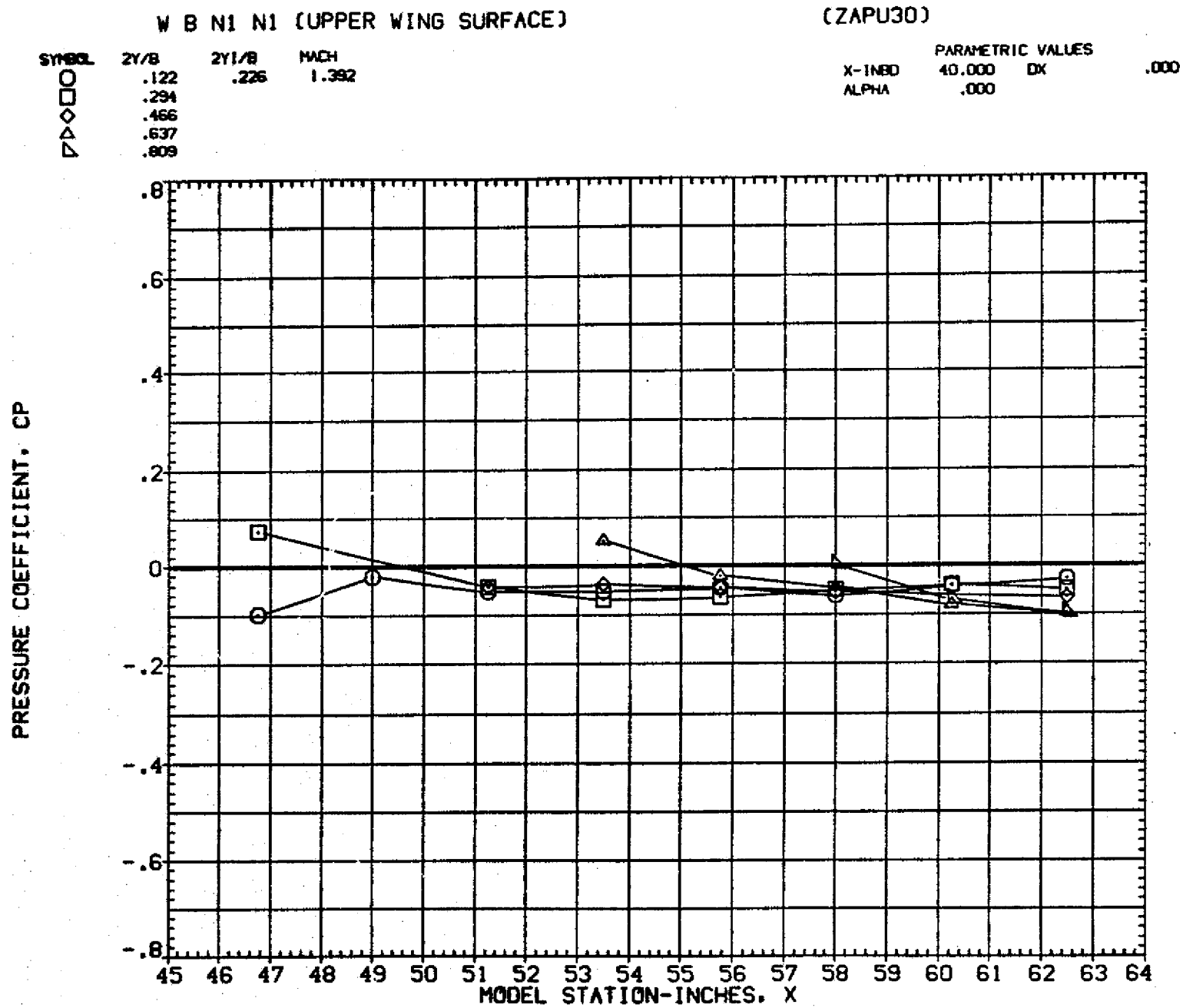


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

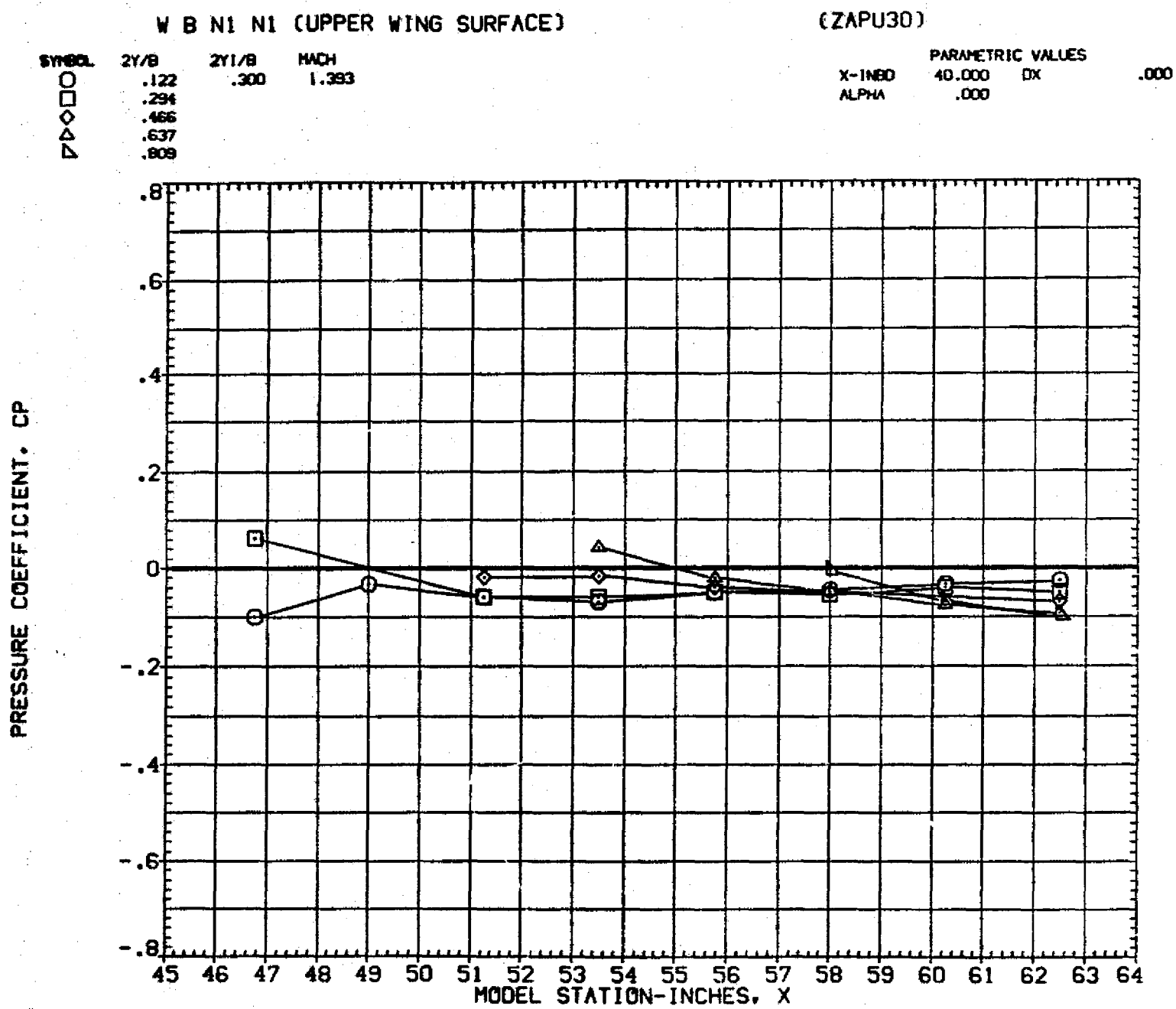


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	40.000	.980
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

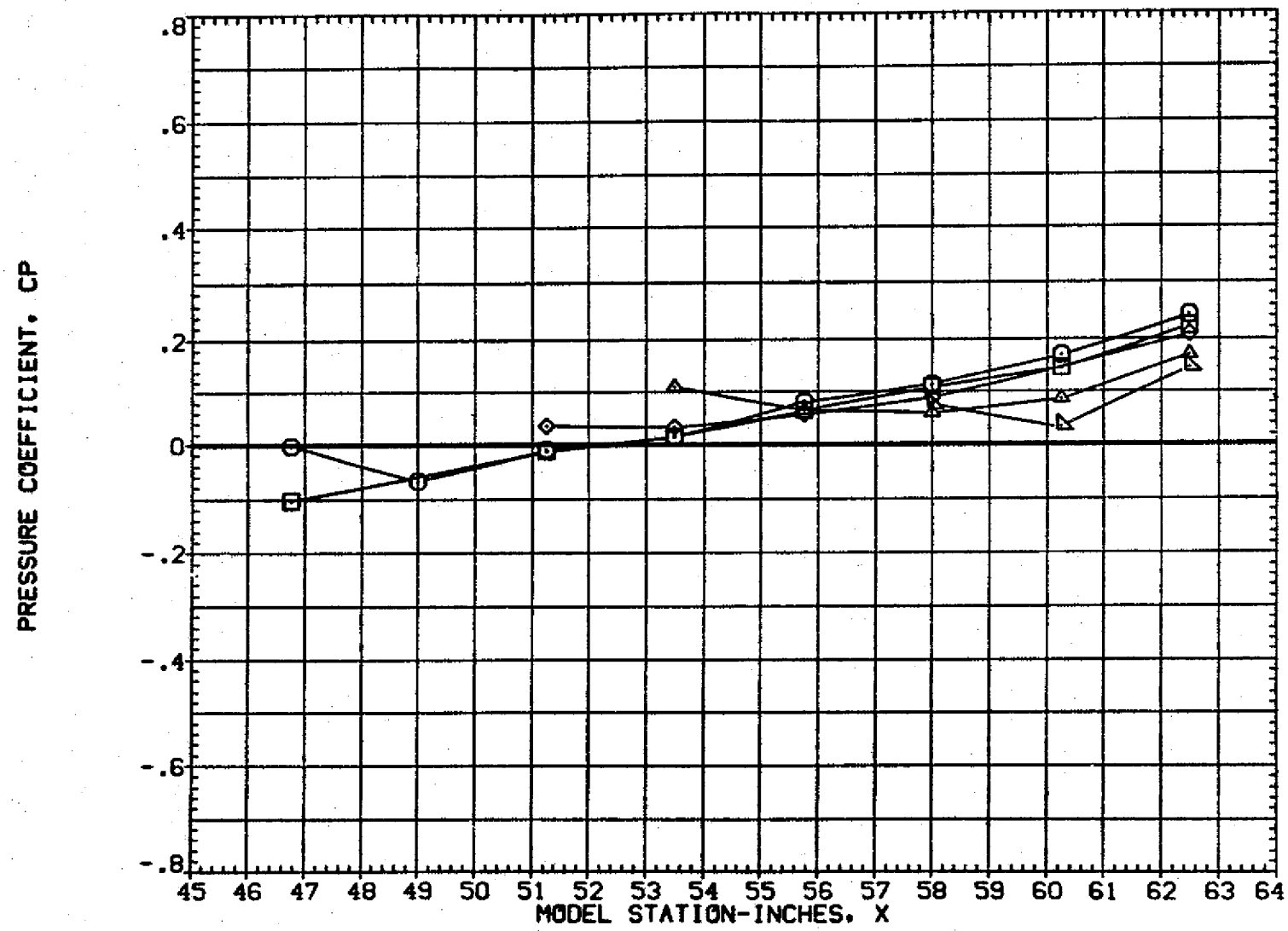


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE)

(ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	48.000	.978
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

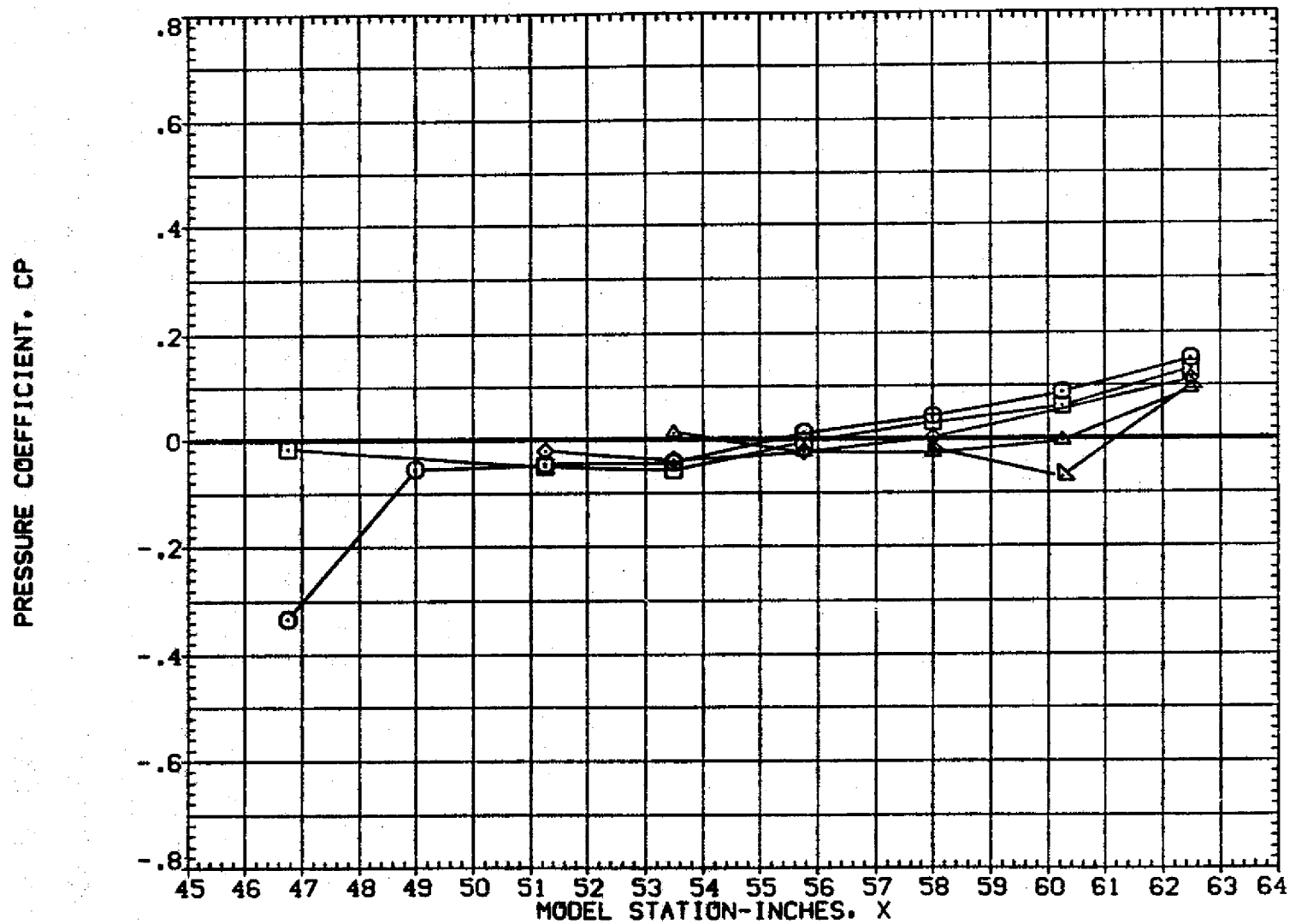


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.010	.982
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

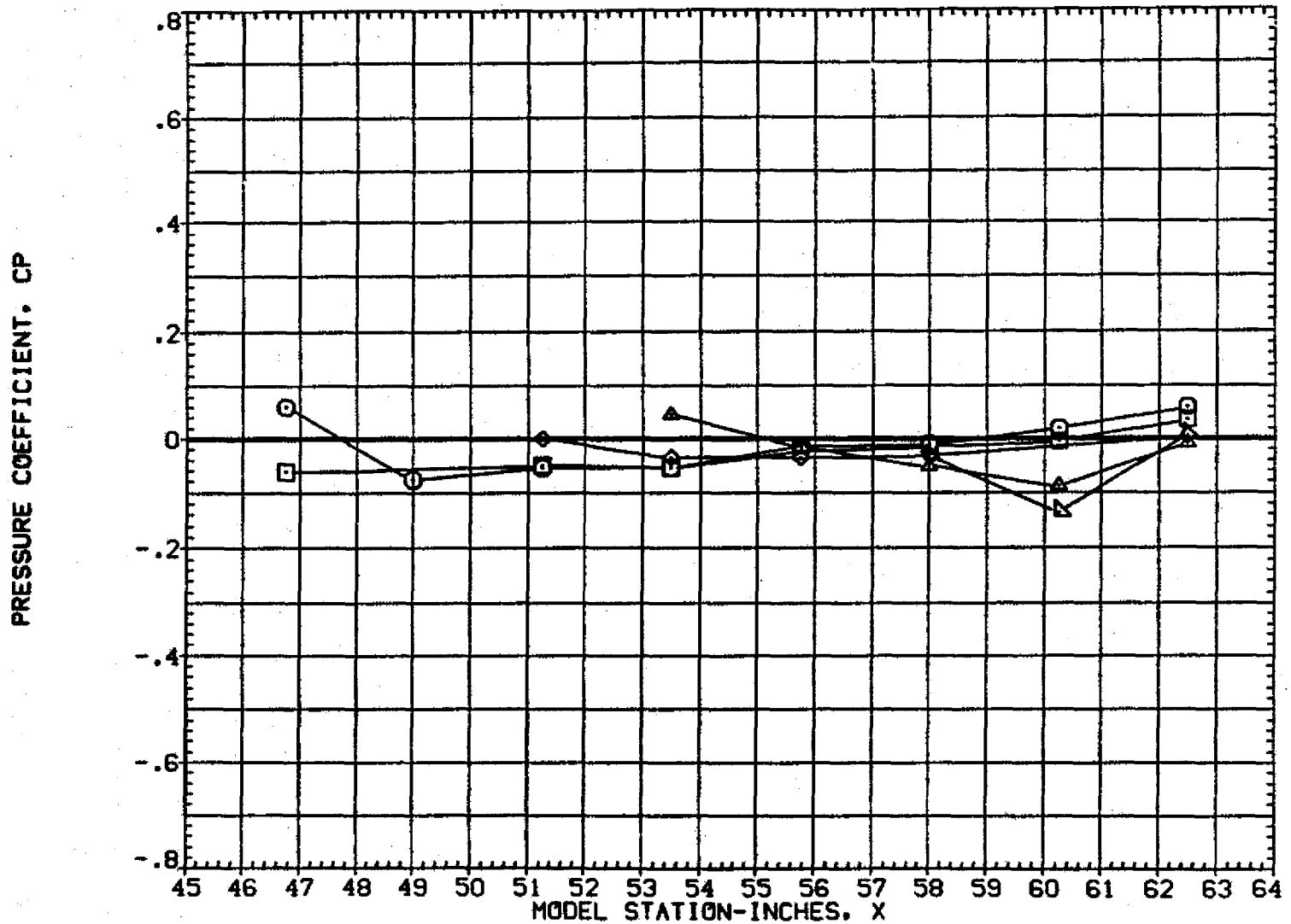


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	40.010	1.150
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

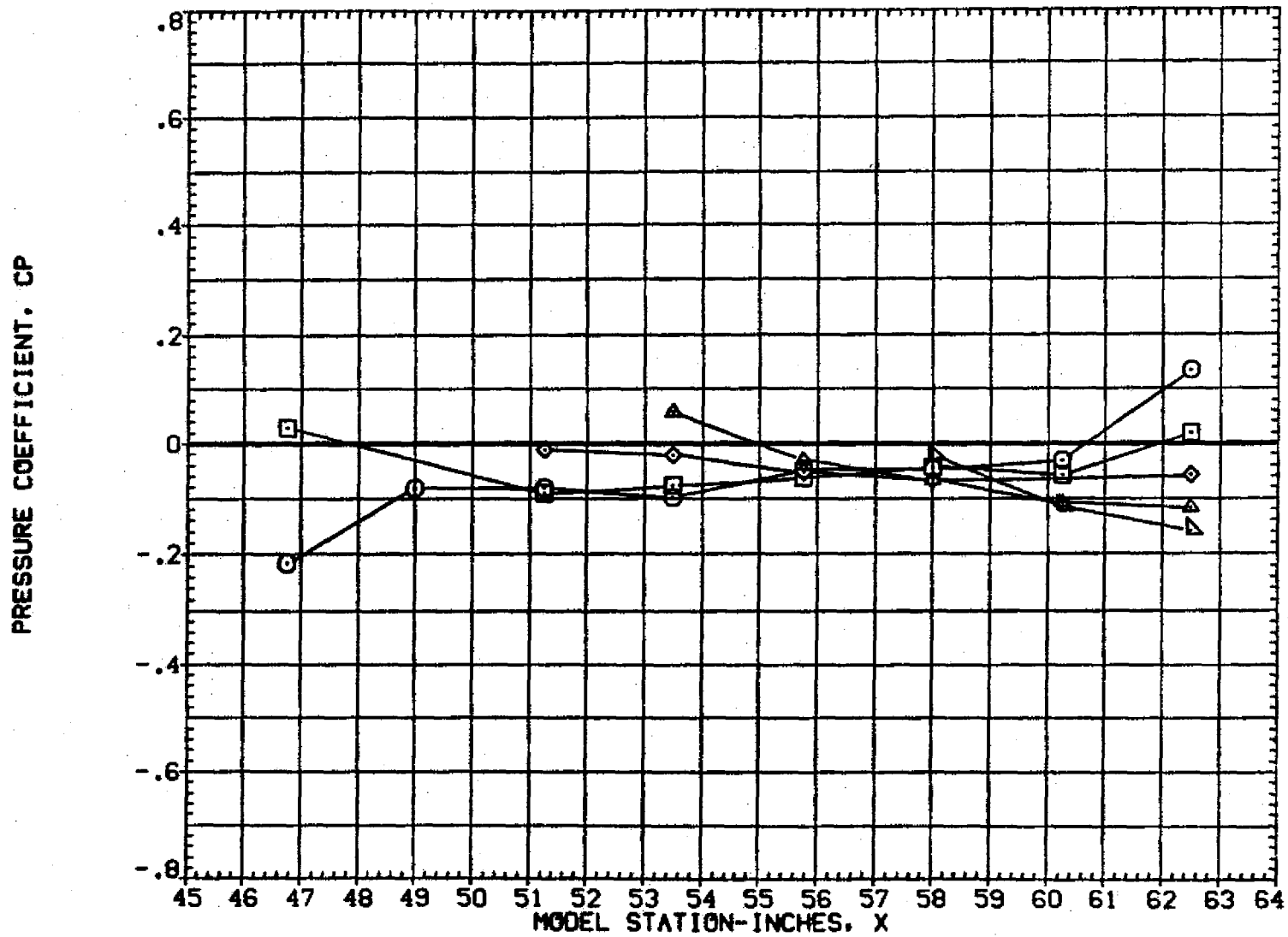


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	48.000	1.149
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

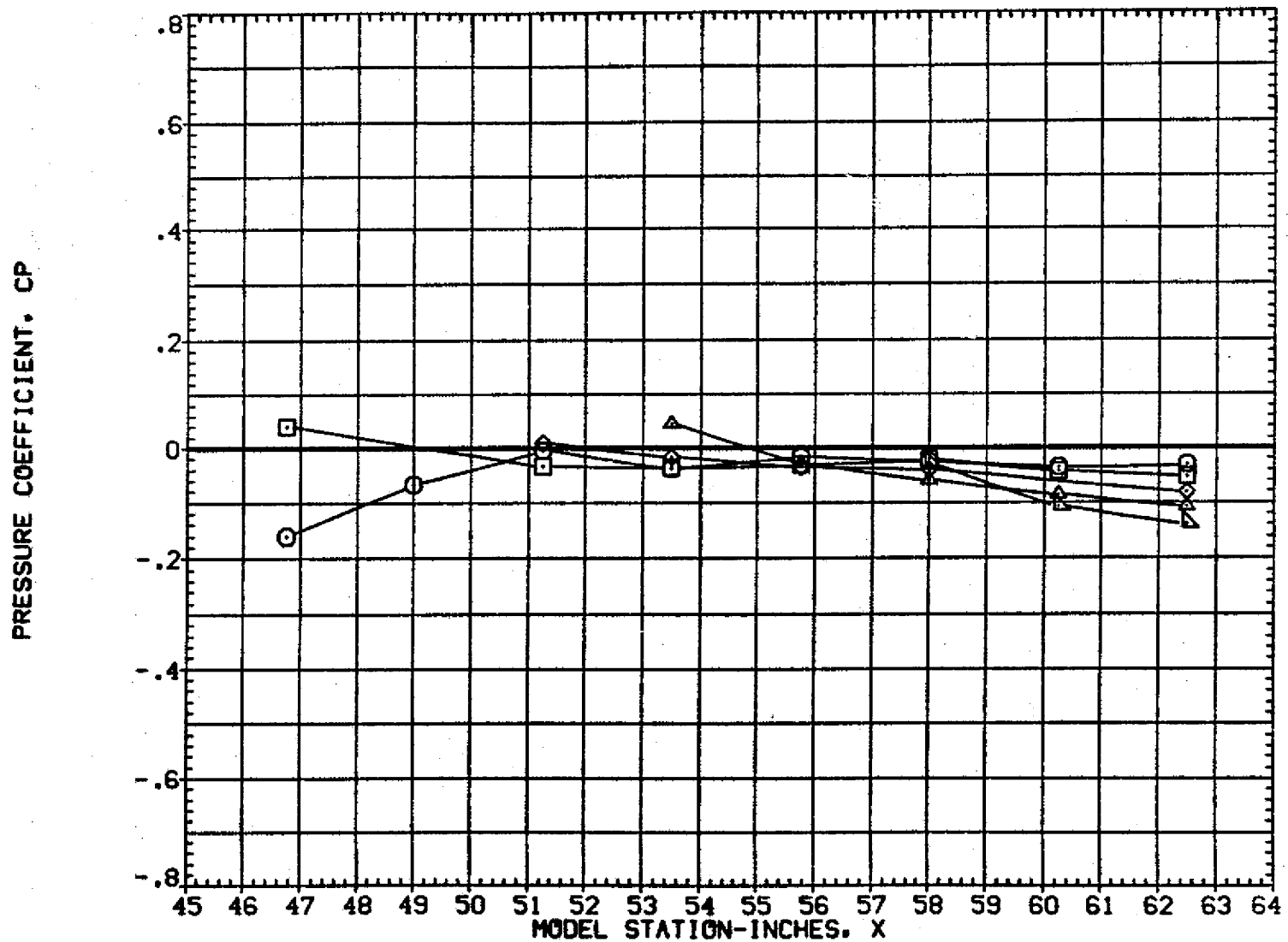


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.000	1.149
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

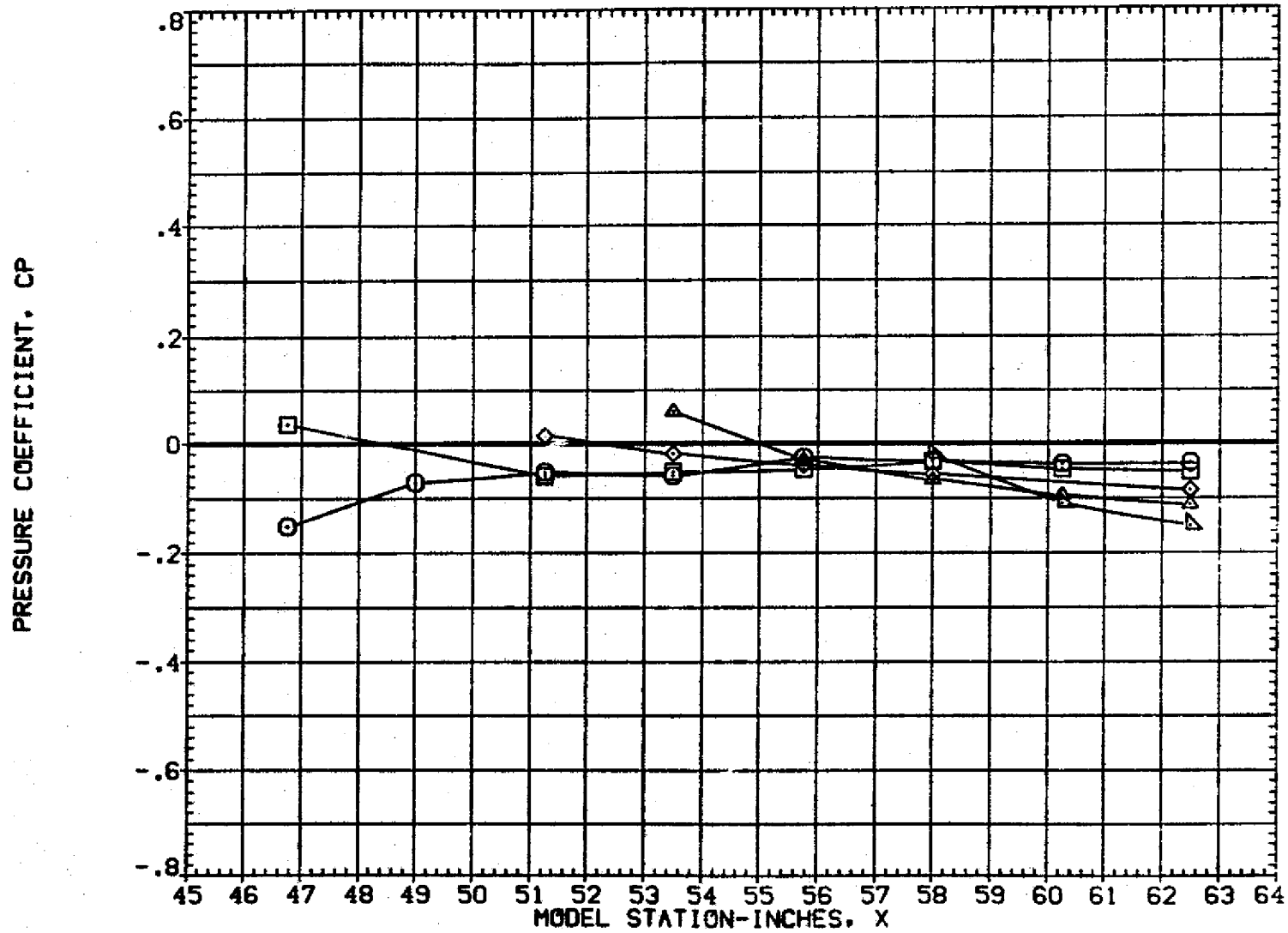


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	39.840	1.399
□	.294		
◇	.466		
△	.637		
◿	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

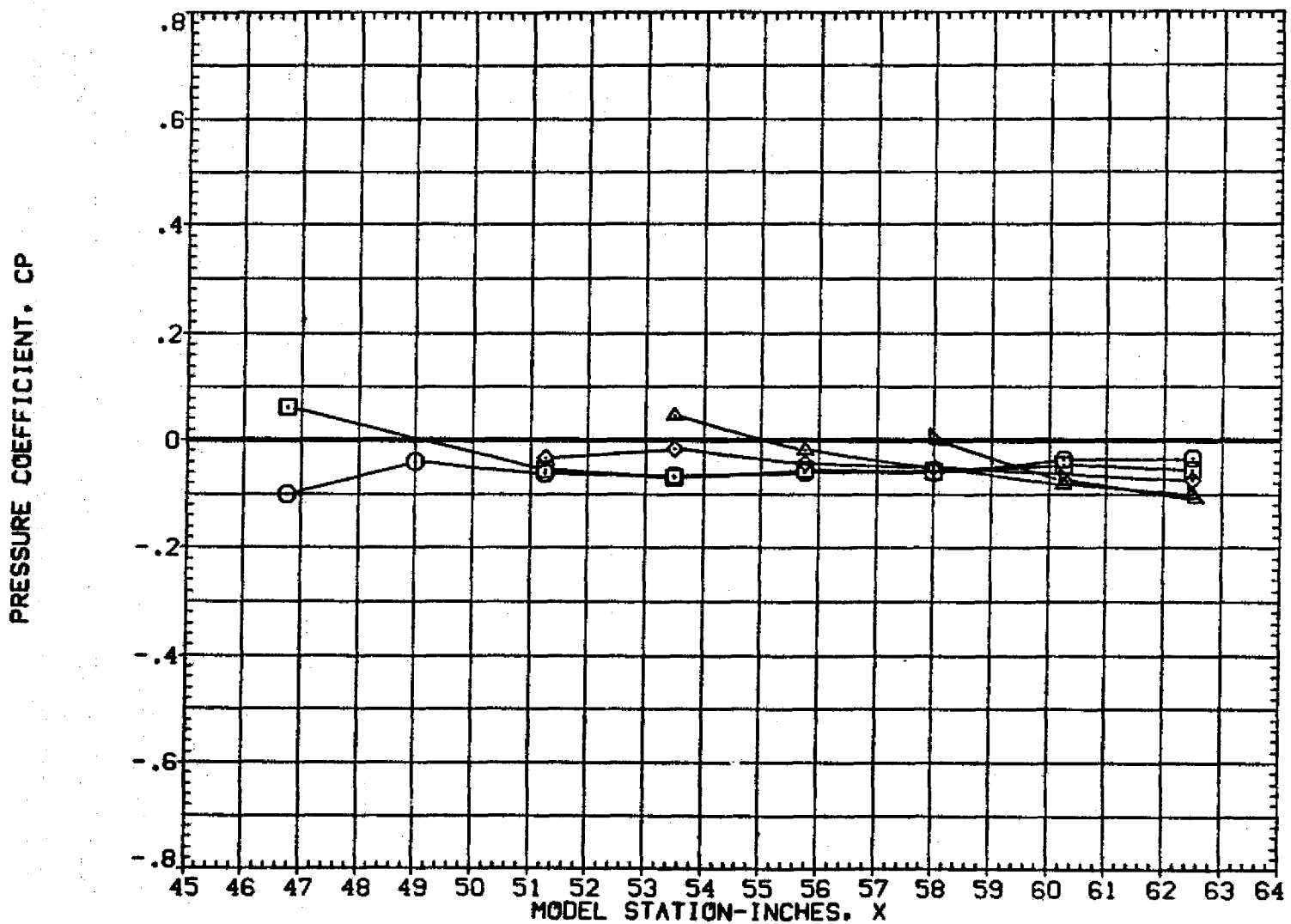


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

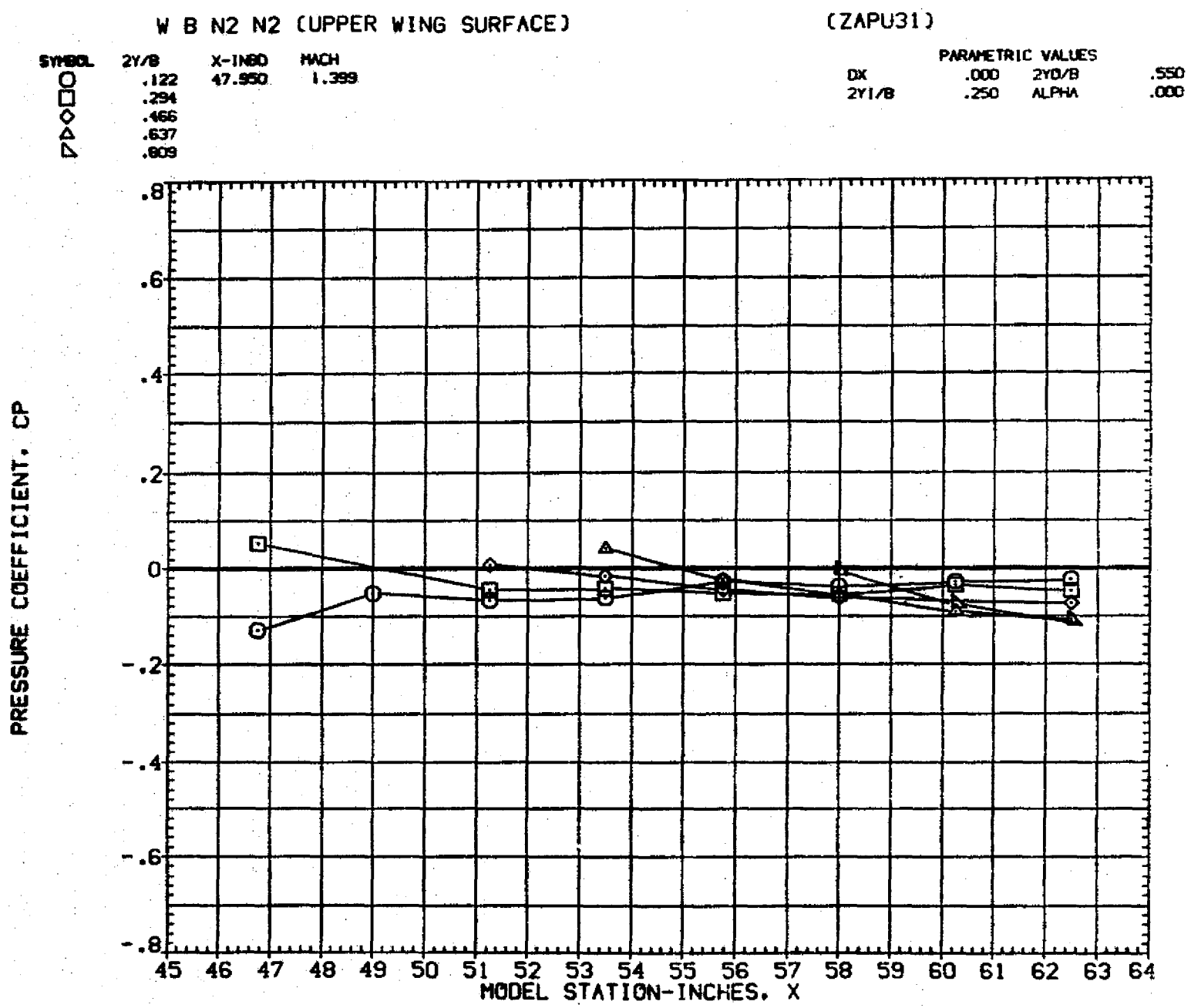


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B N2 N2 (UPPER WING SURFACE) (ZAPU31)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.000	1.399
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

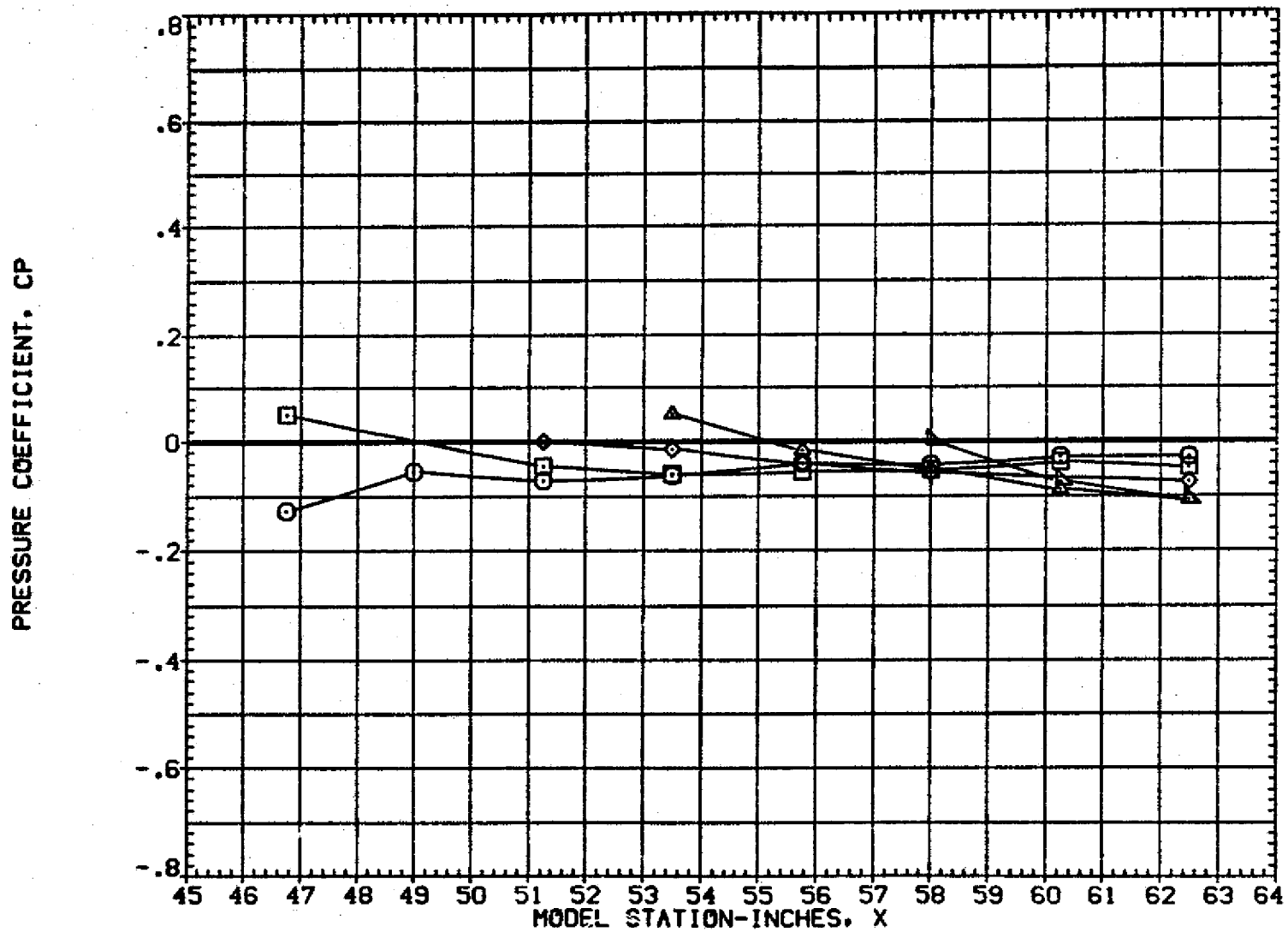


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	-.110	.901
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

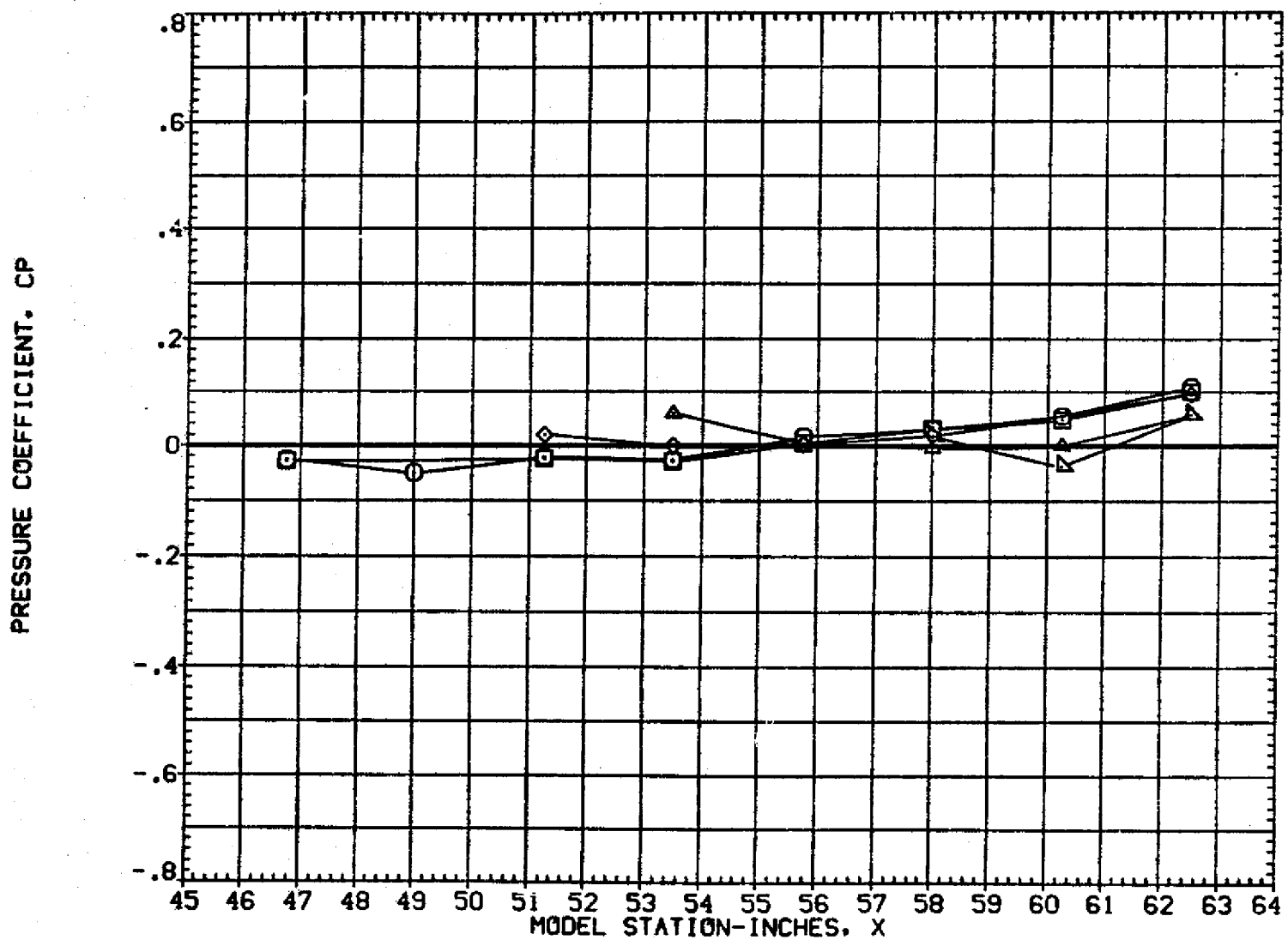


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

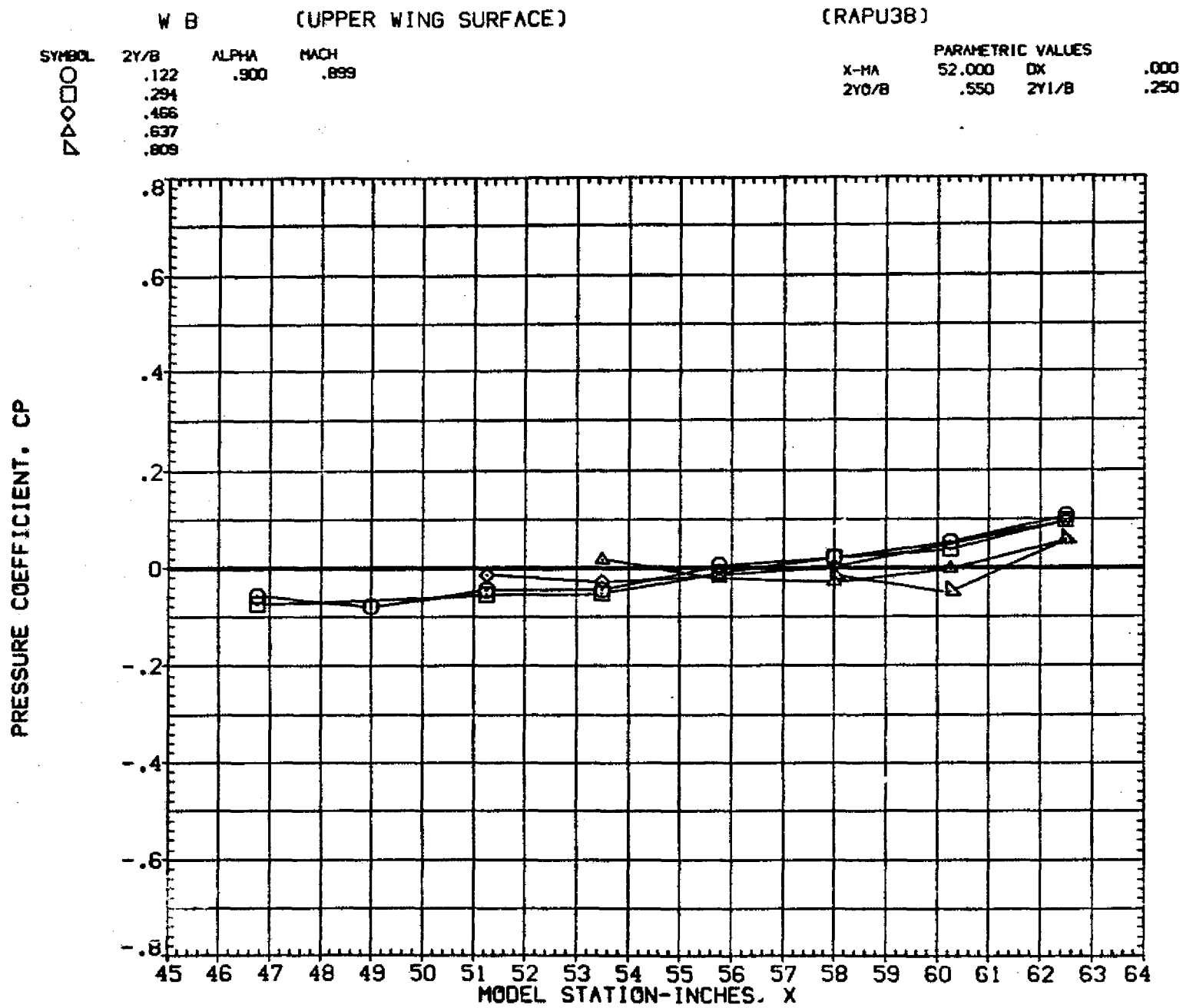


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

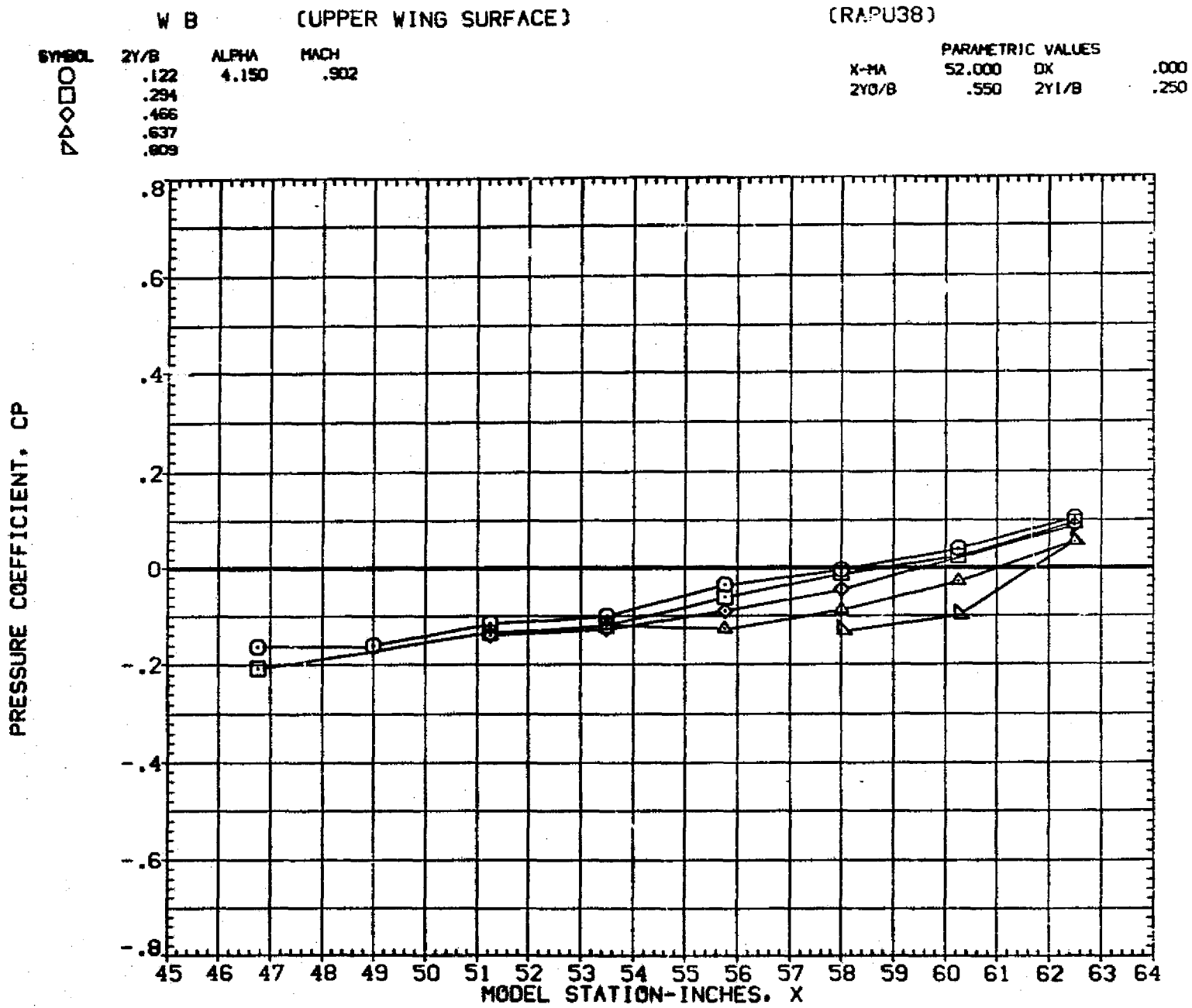


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

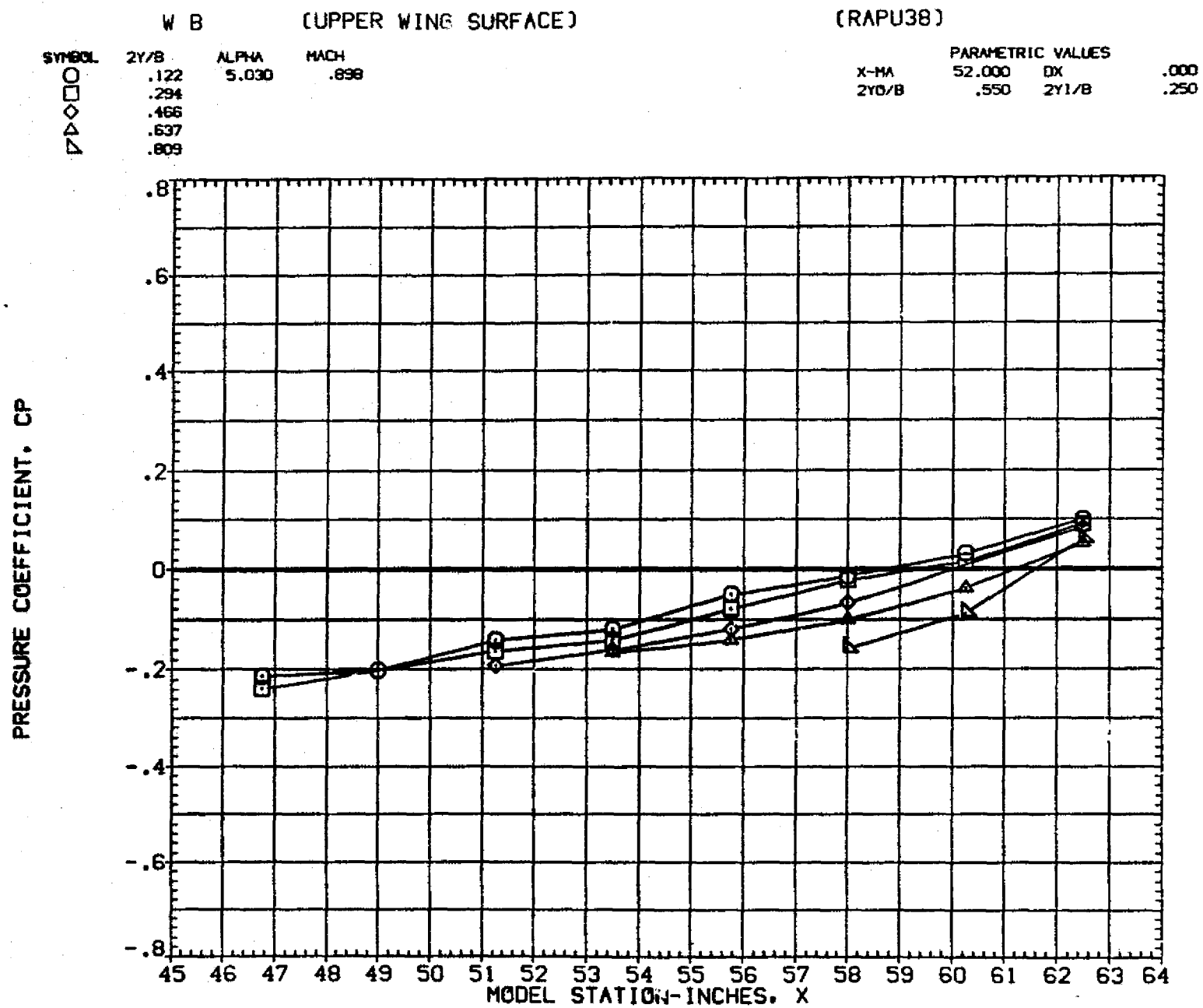


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

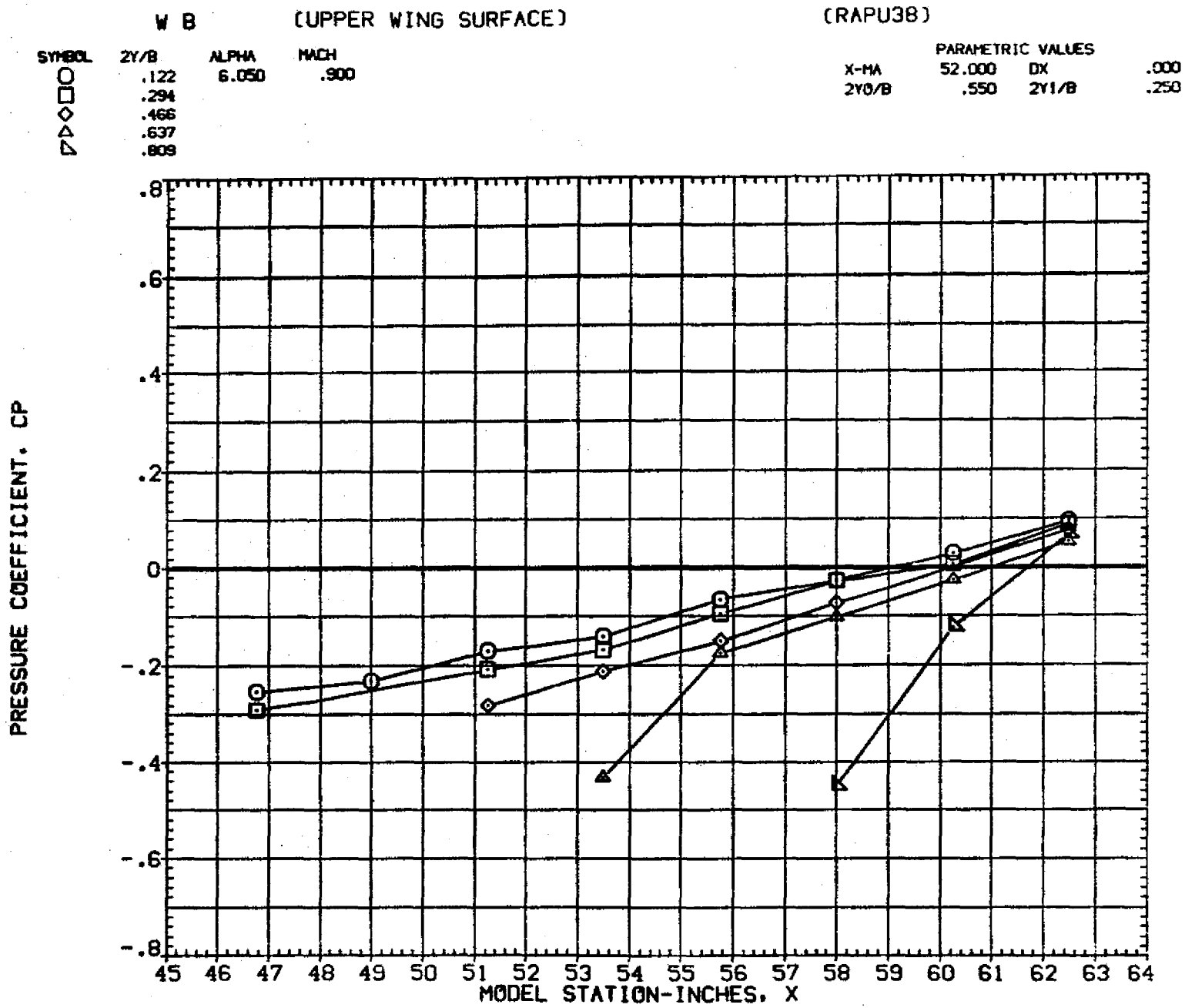


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

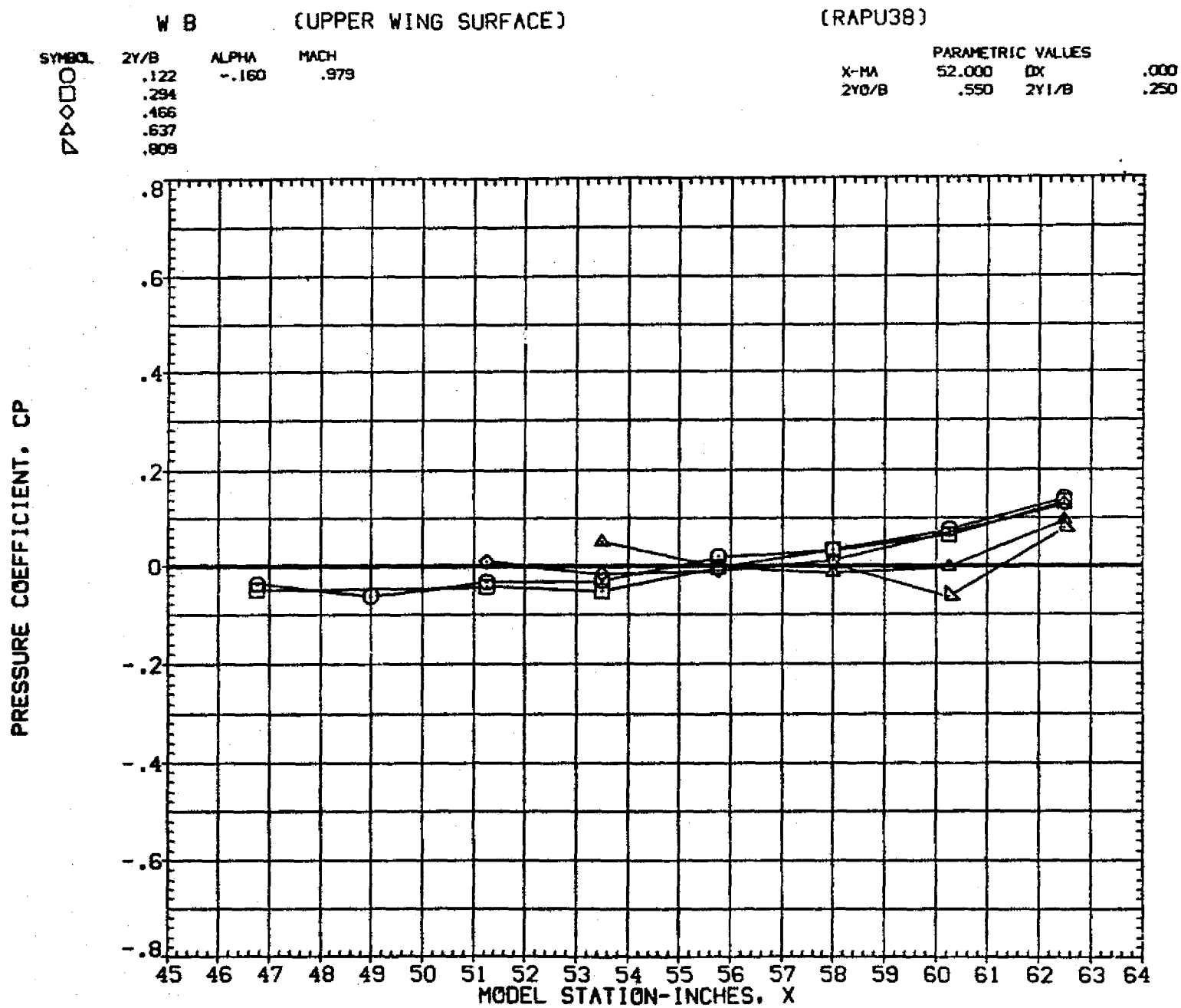


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

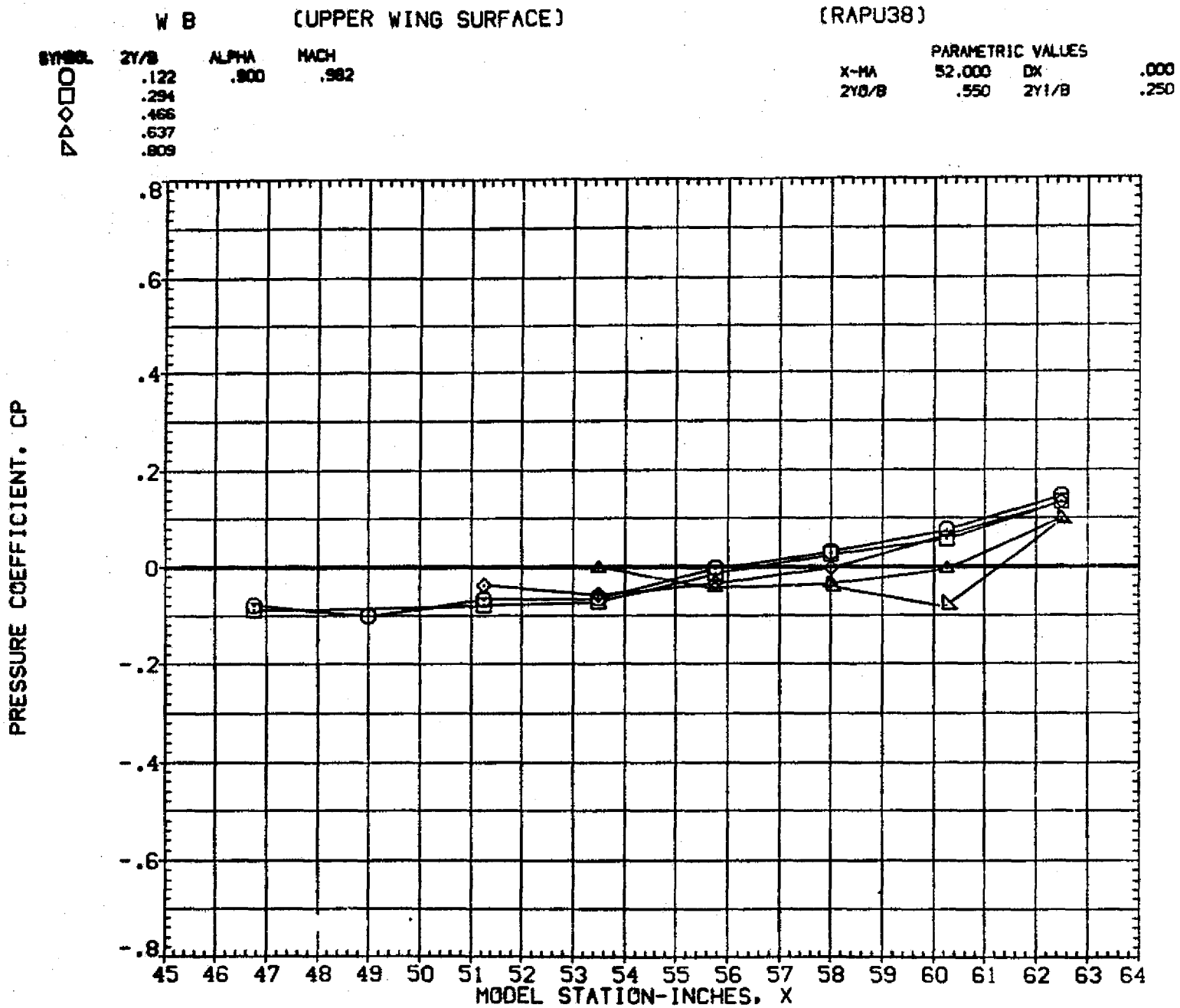


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

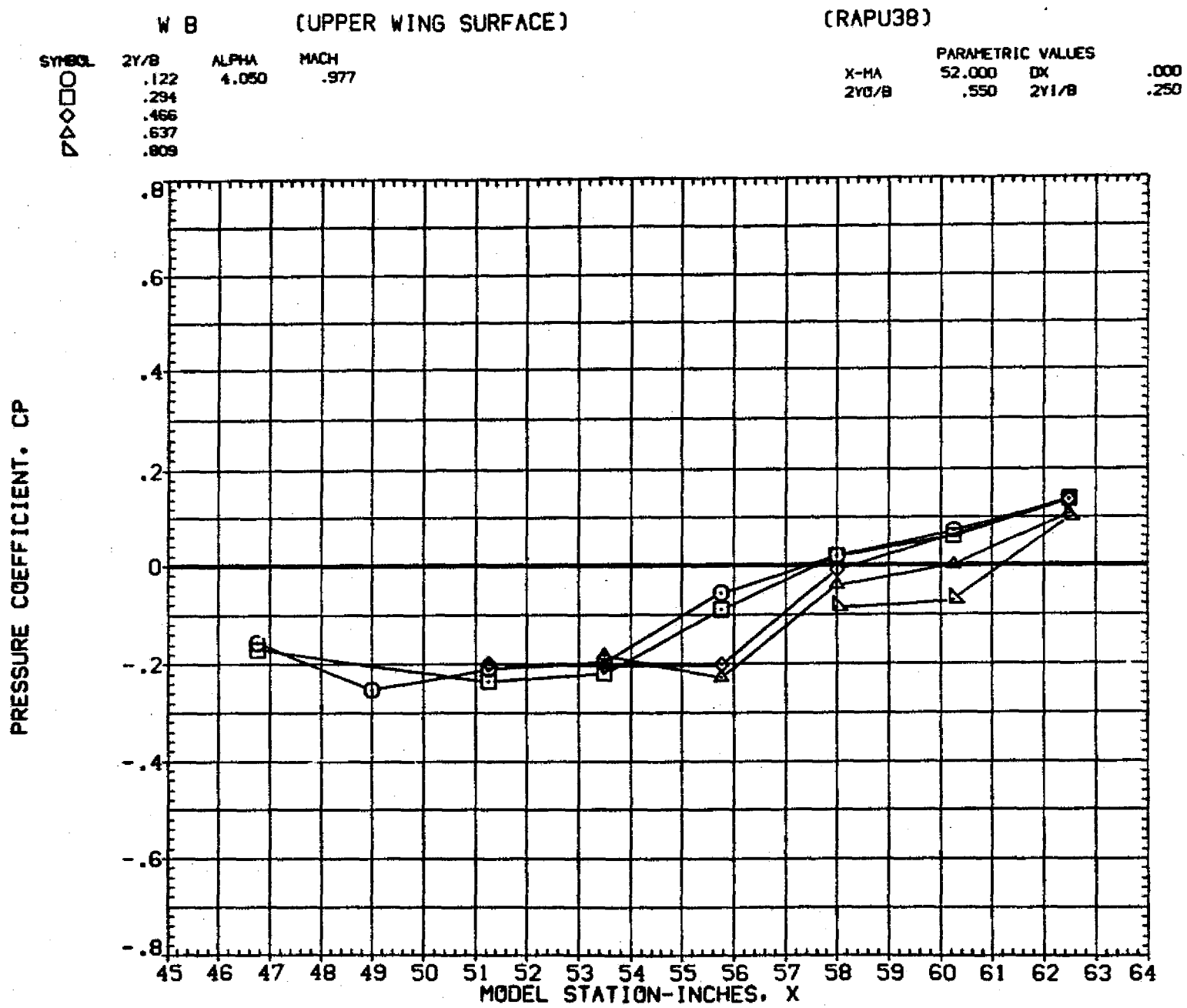


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.010	.979
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

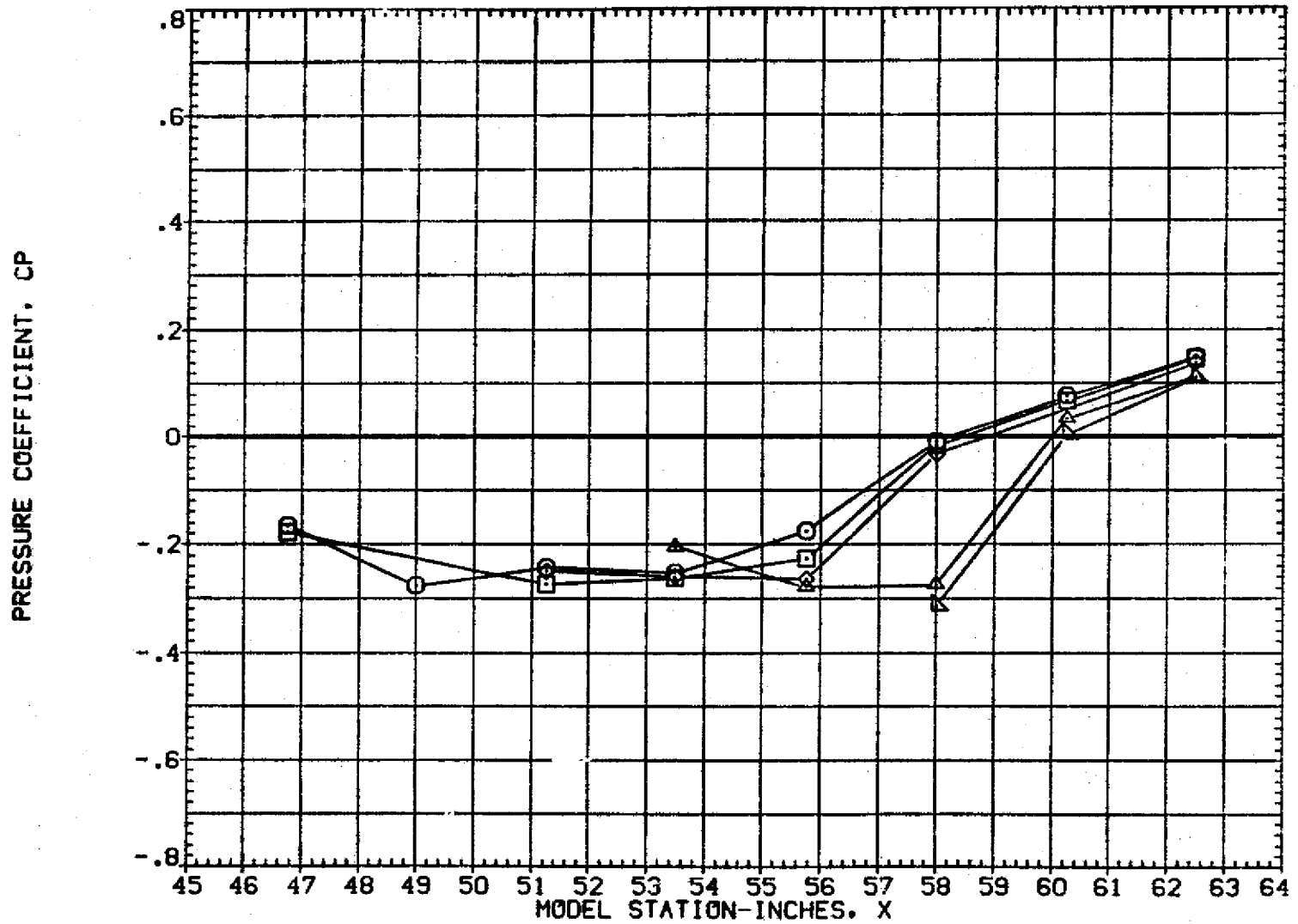


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

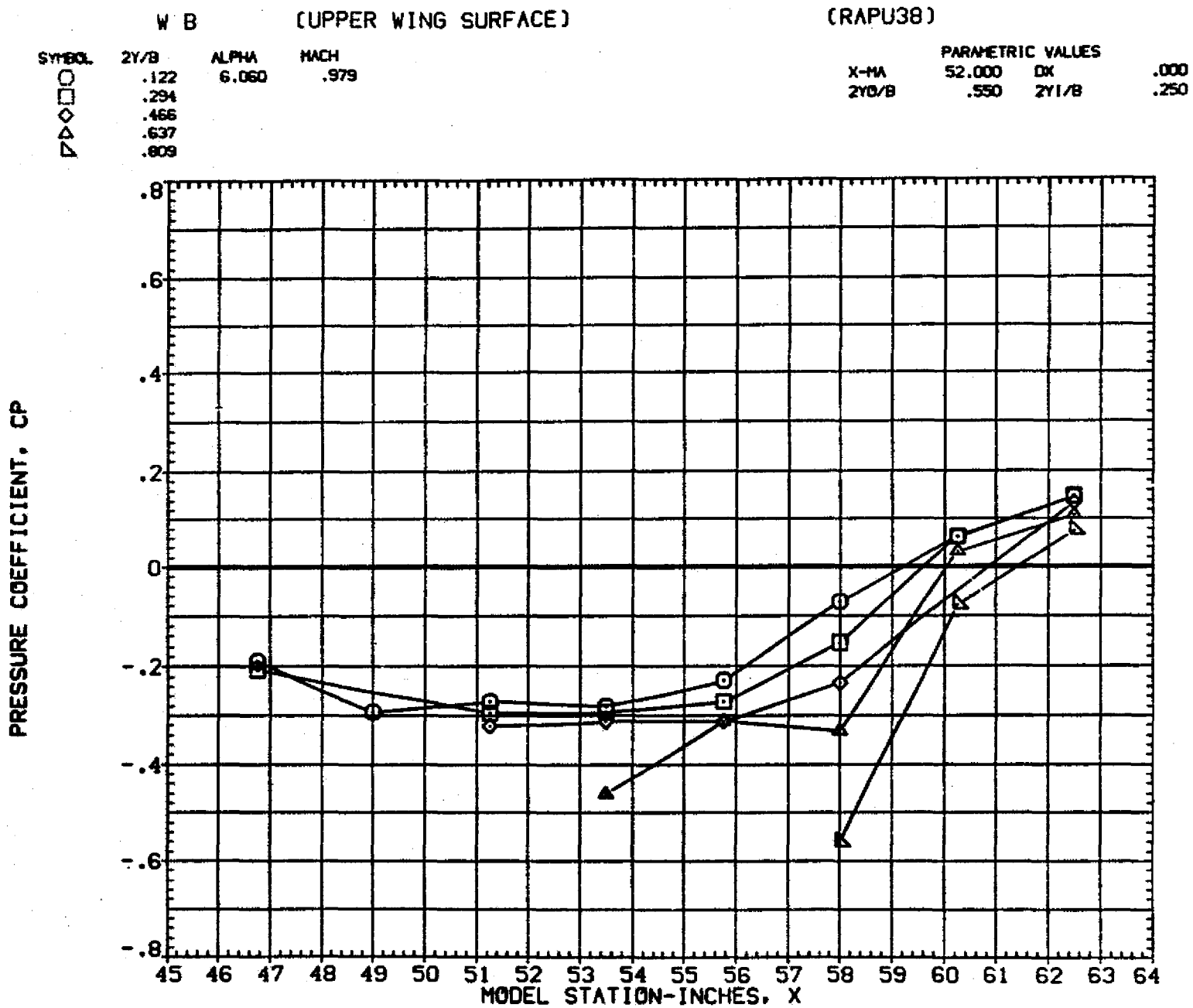


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

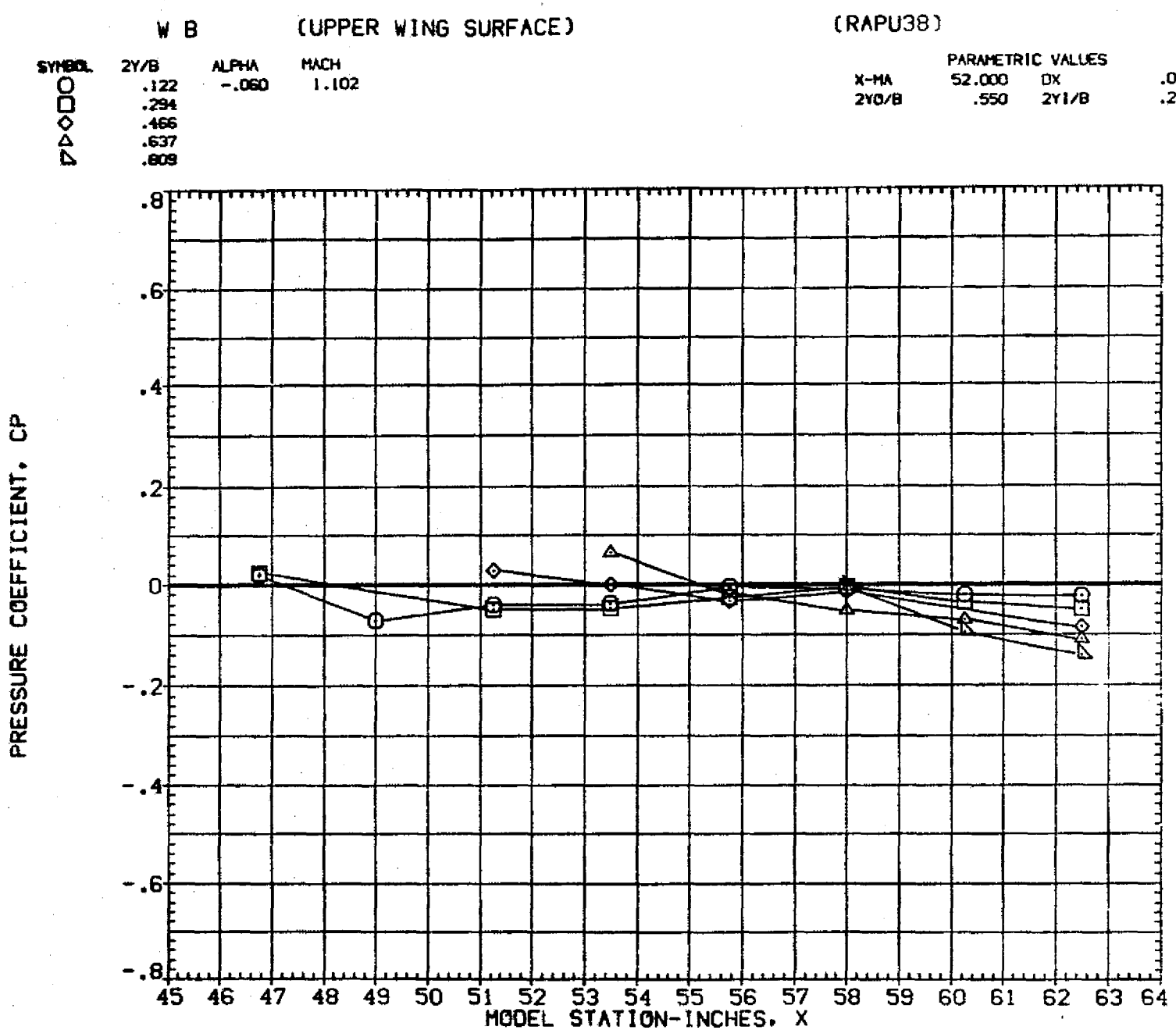


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.940	1.104
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2YO/B	.550	2YI/B	.250

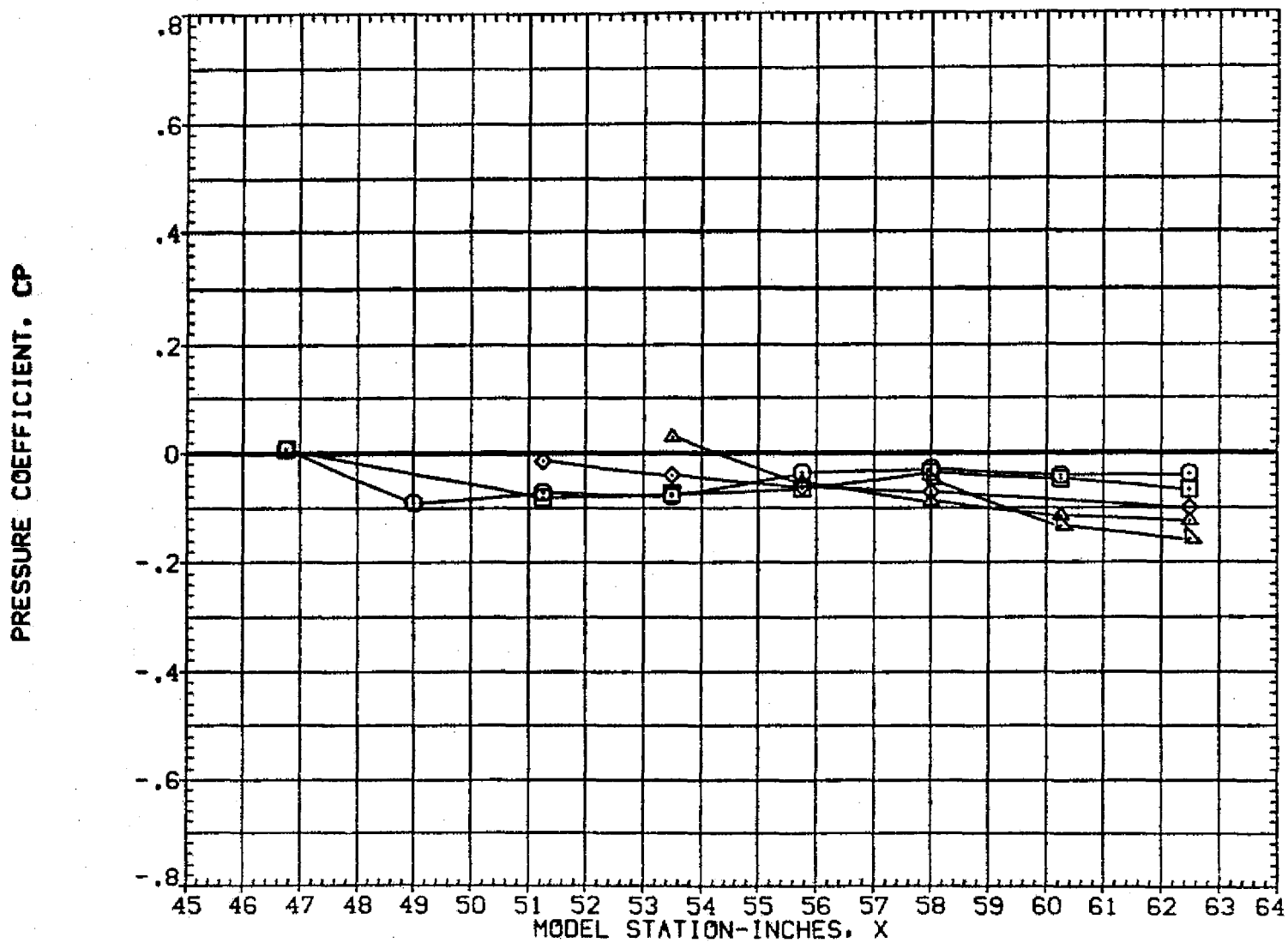


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.000	1.102
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

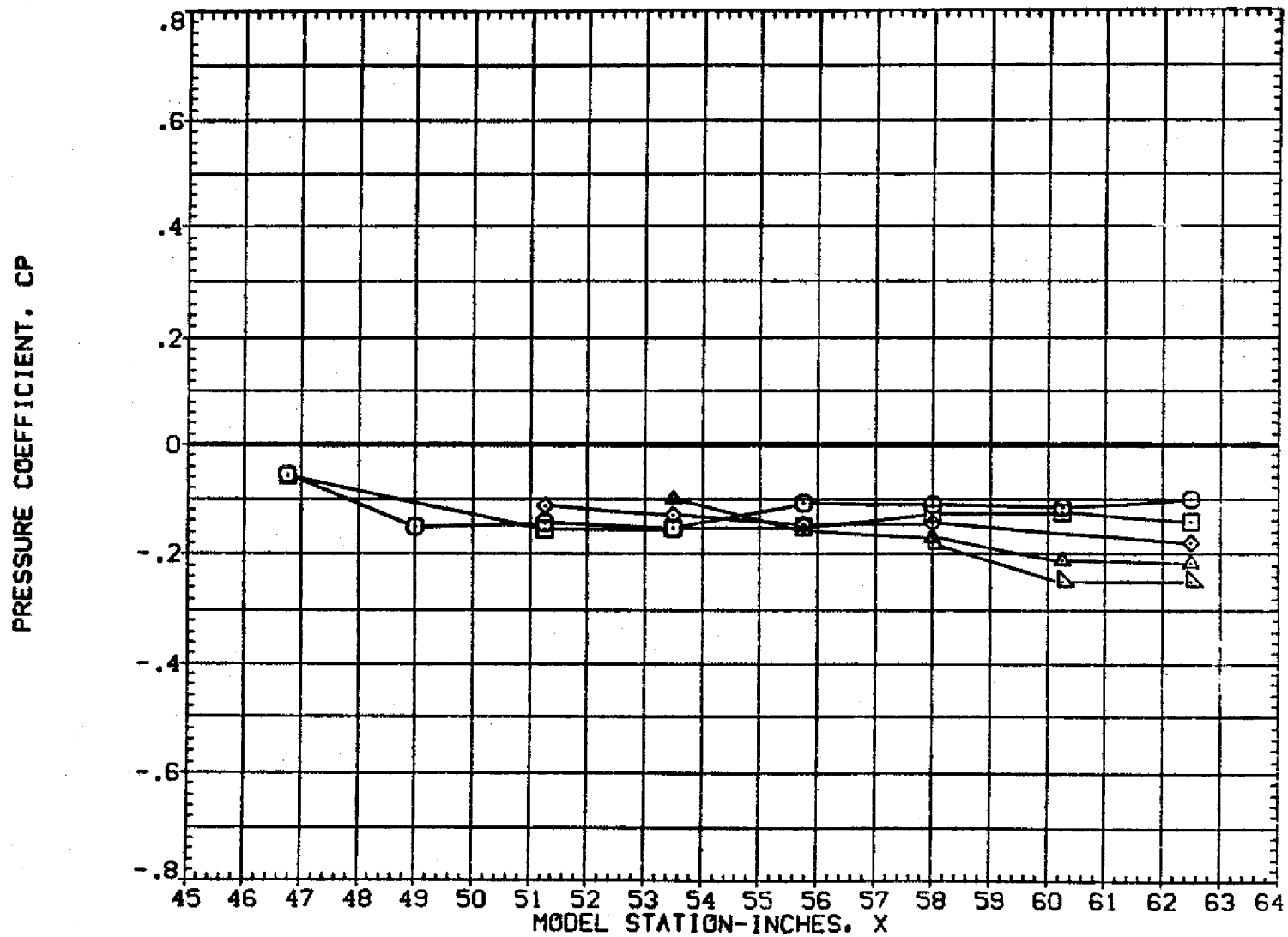


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

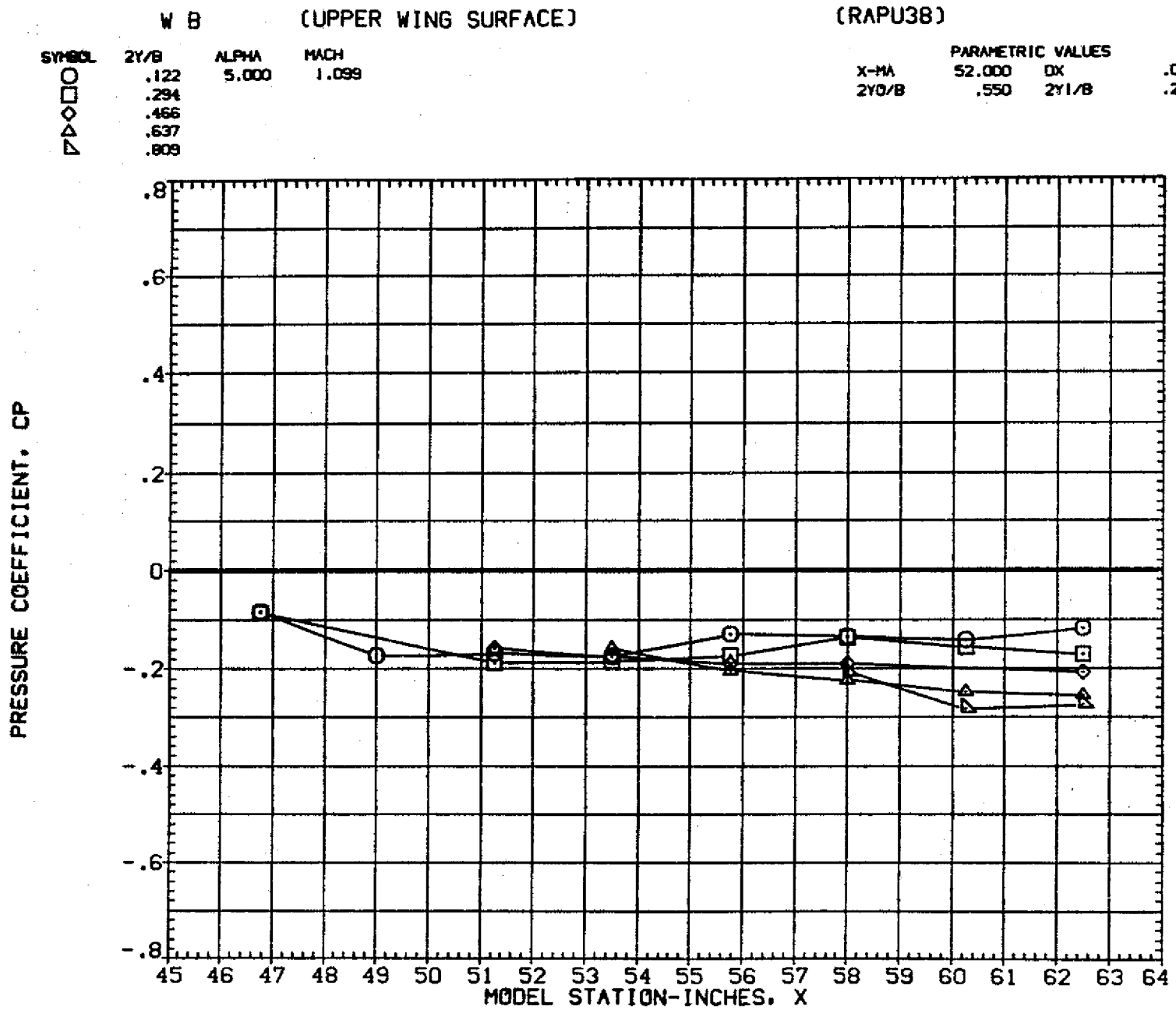


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

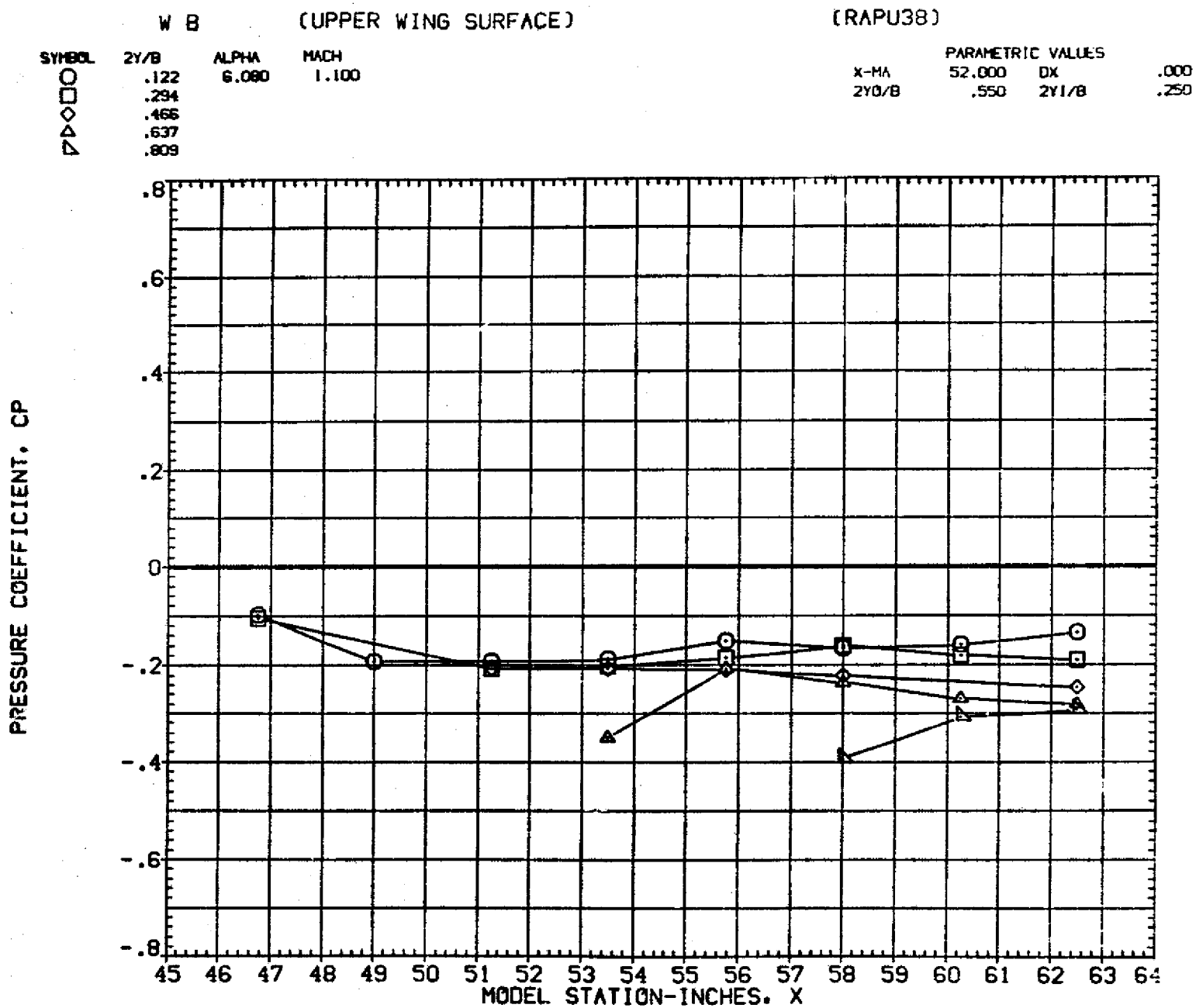


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

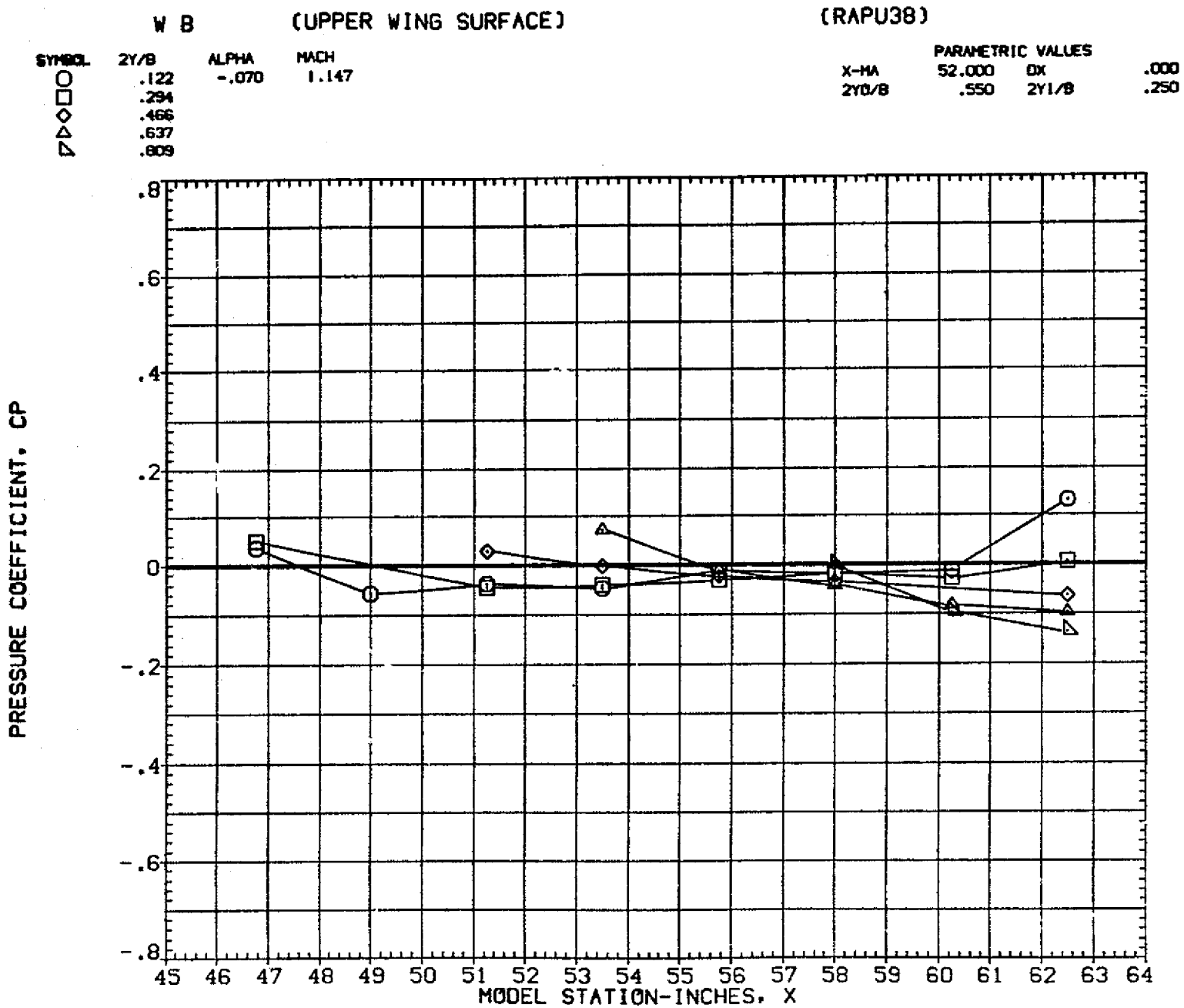


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.920	1.148
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

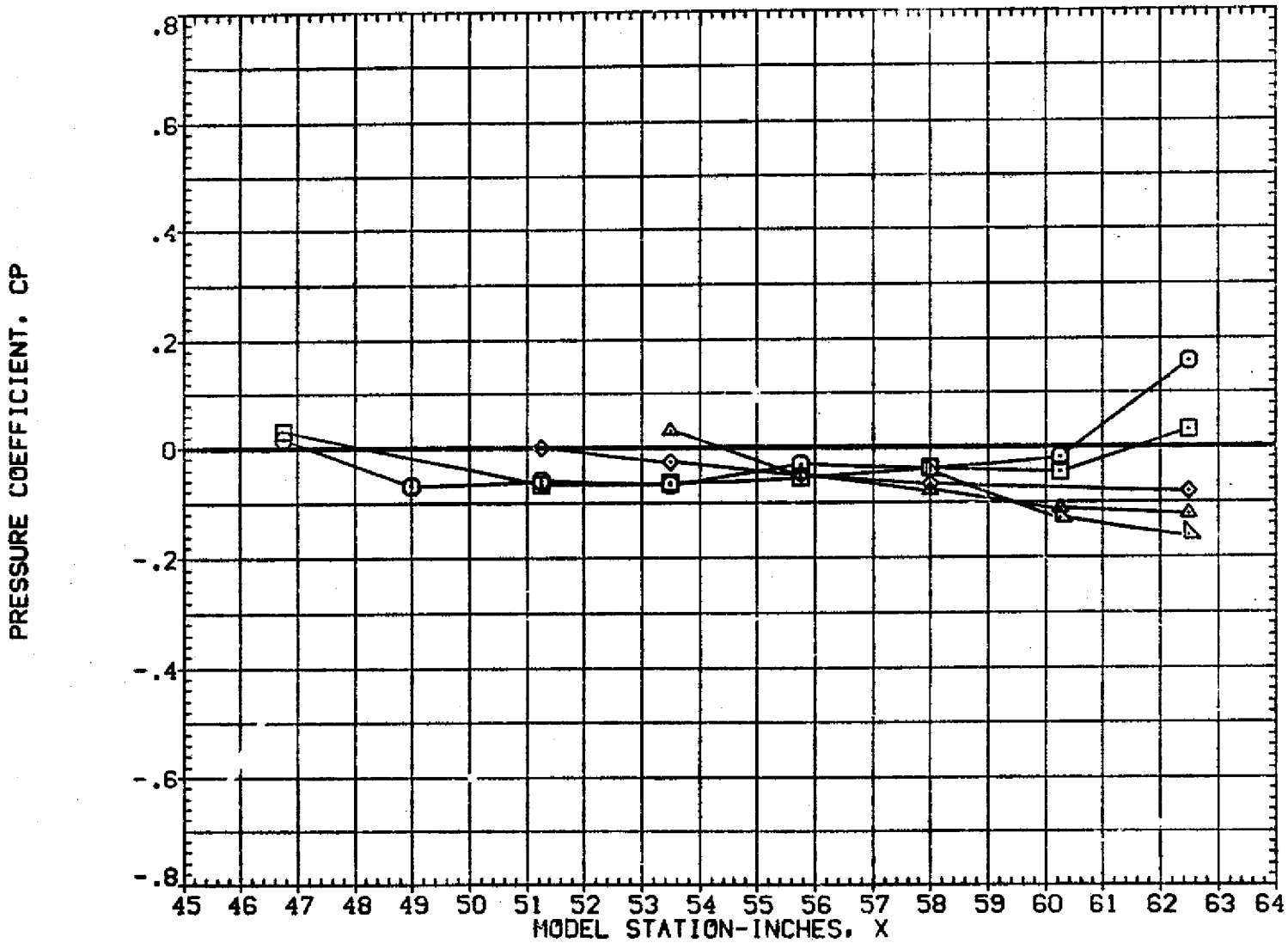


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

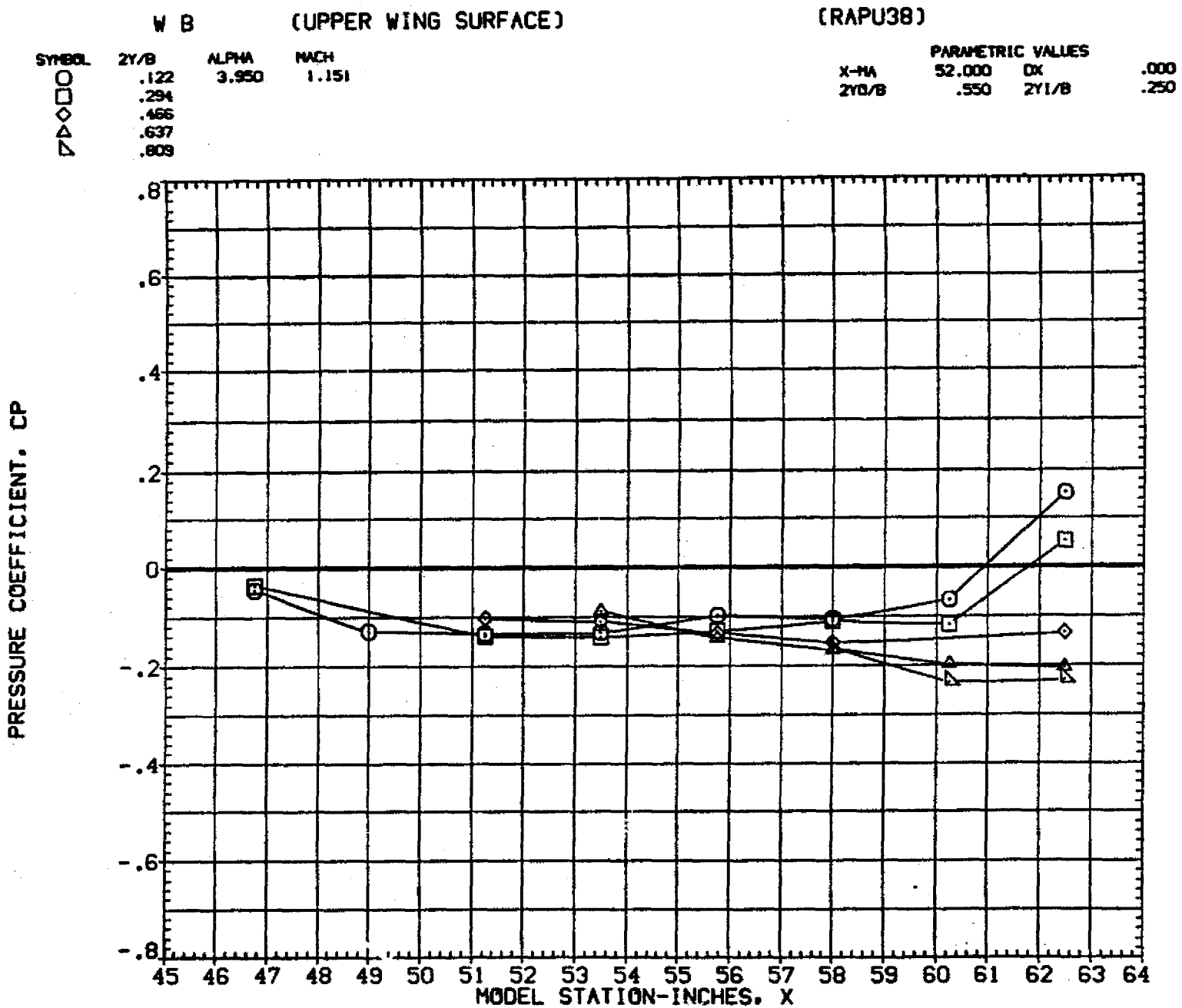


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

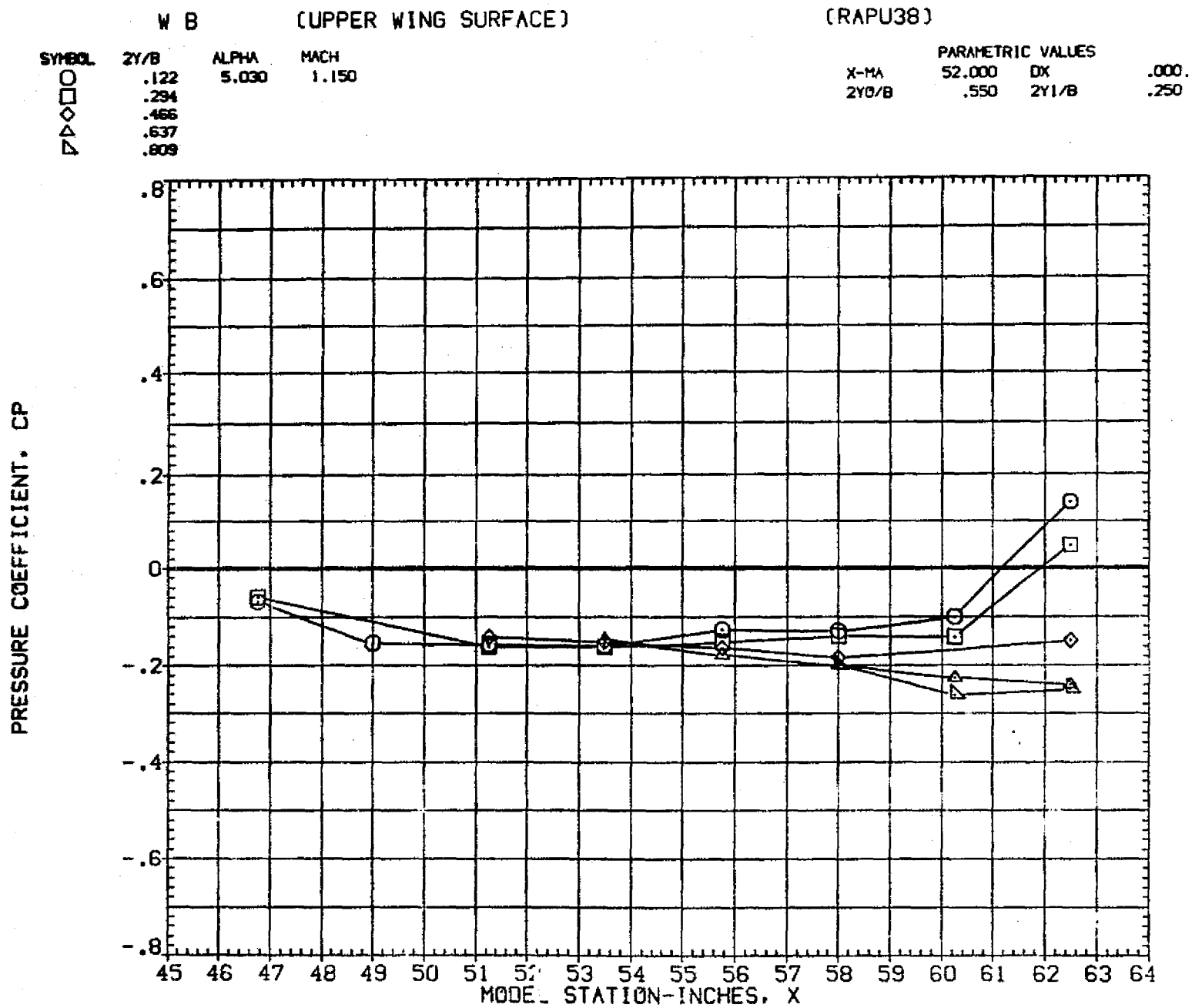


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.900	1.150
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2YO/B	.550	2Y1/B	.250

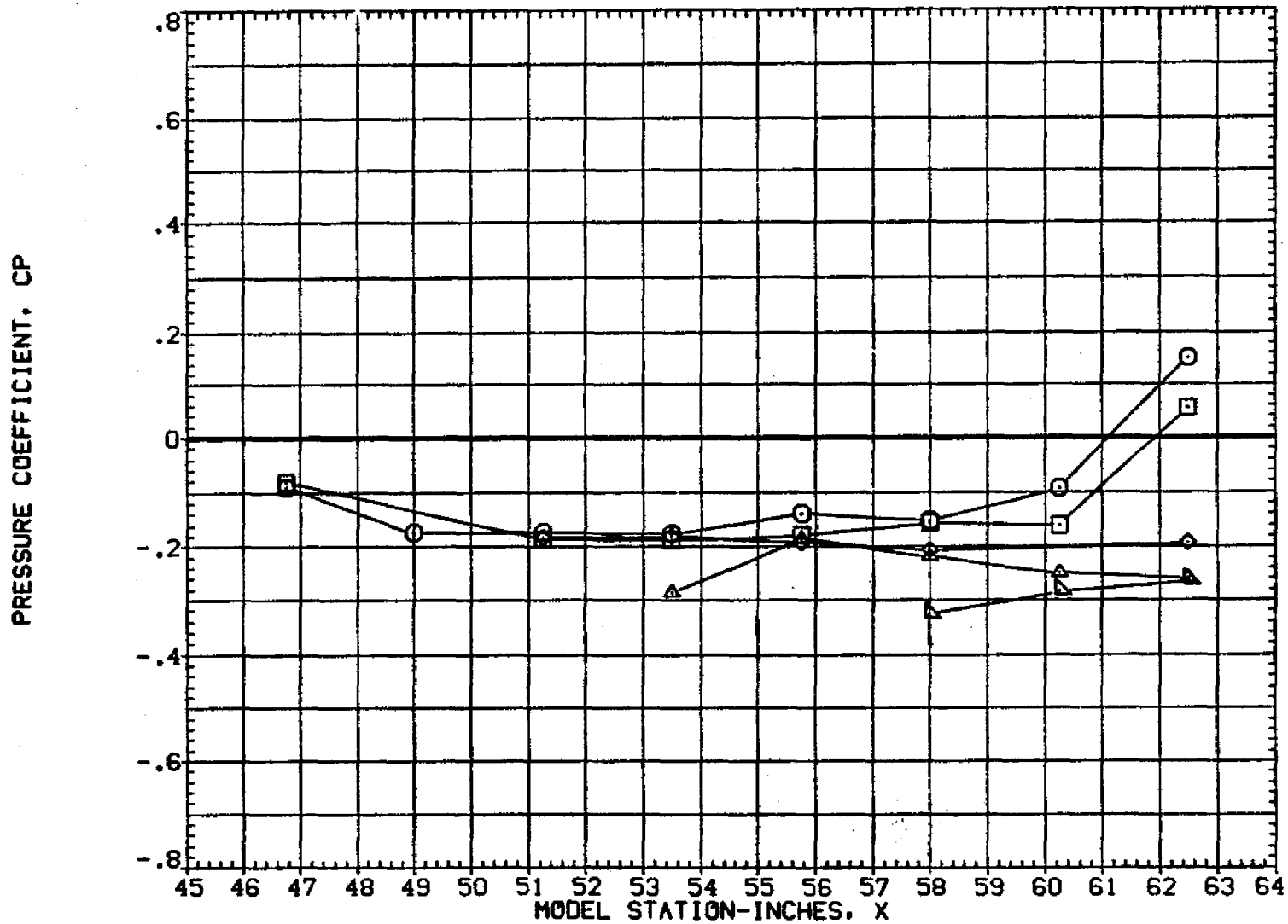


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	-.040	1.200
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

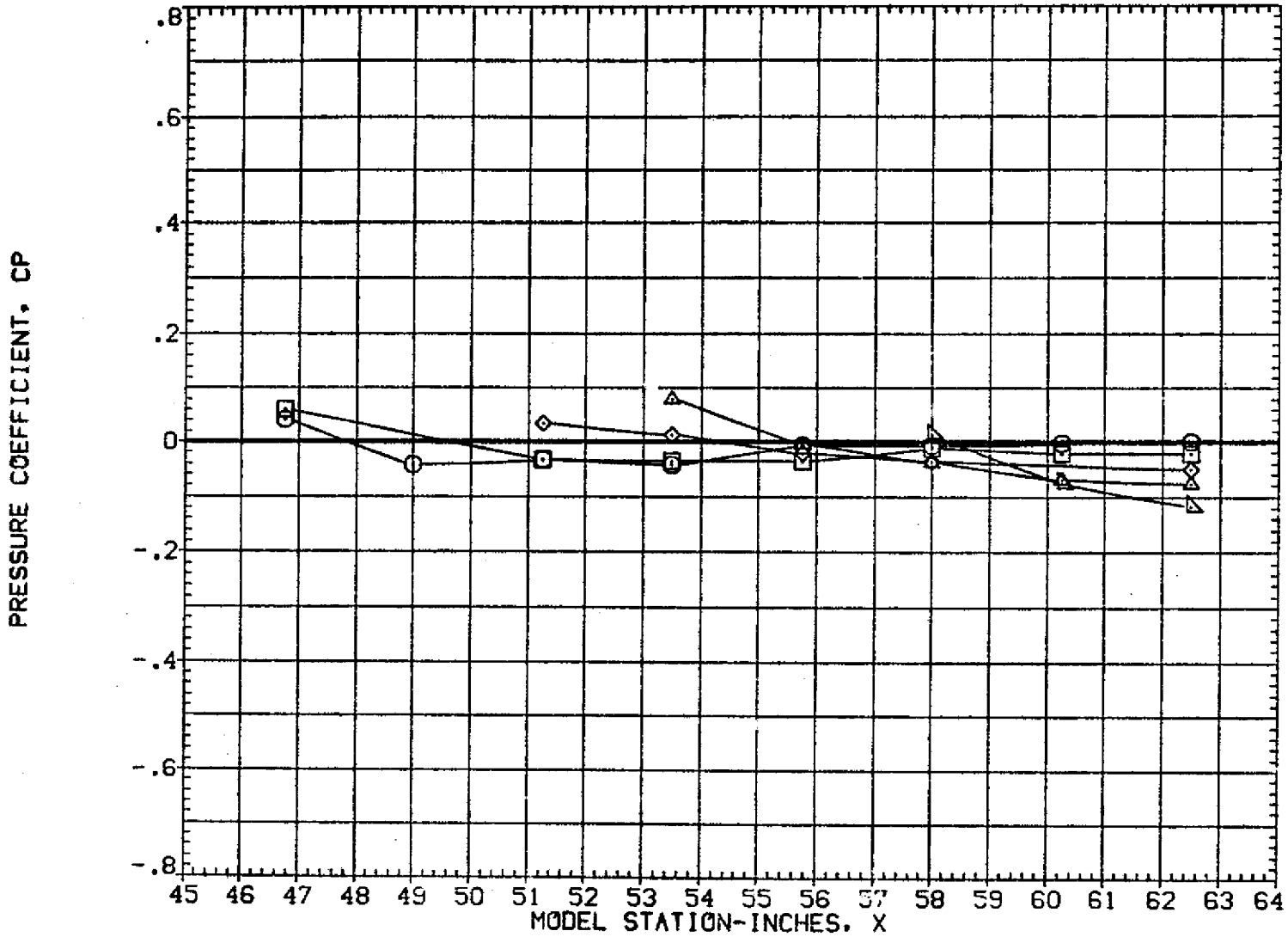


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

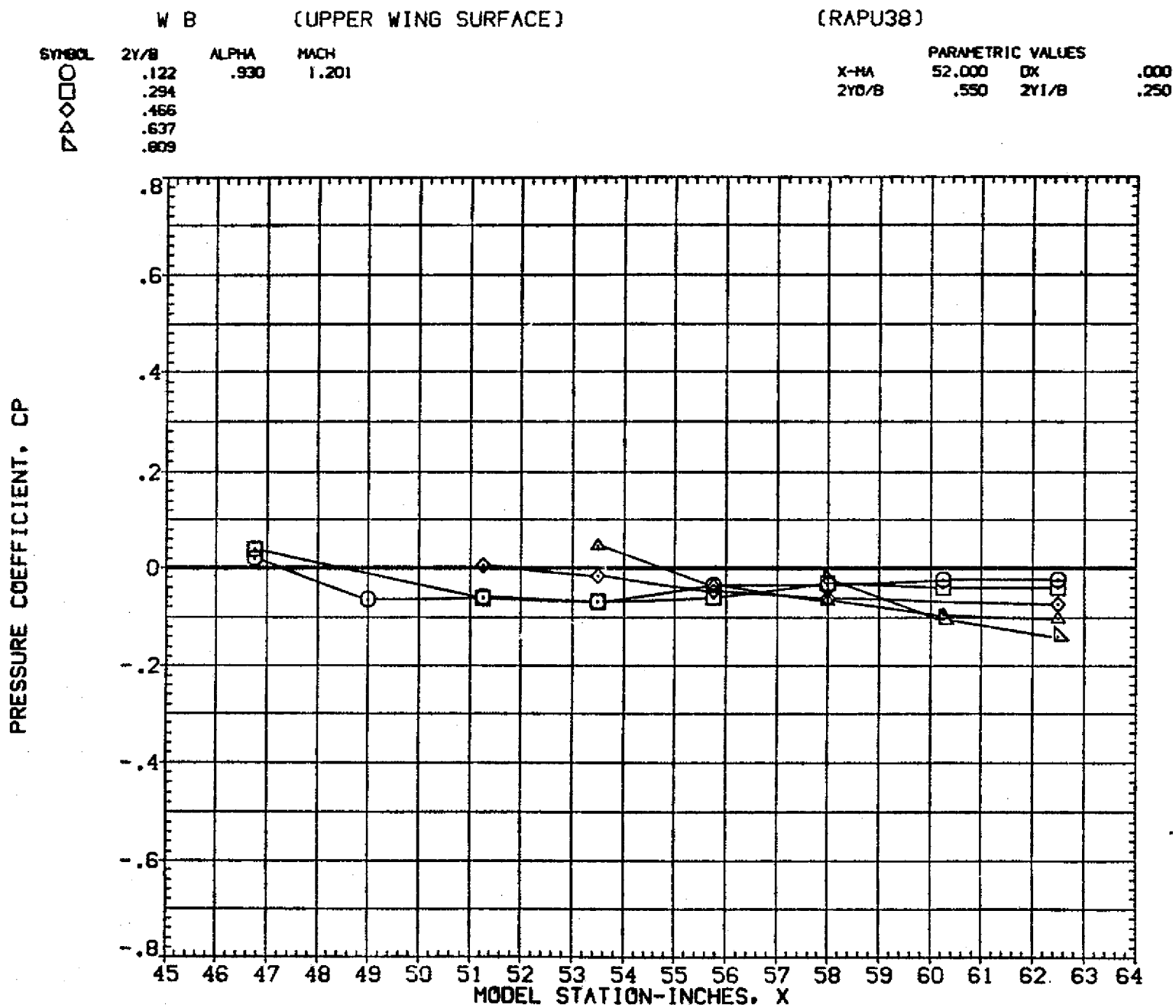


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.060	1.199
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

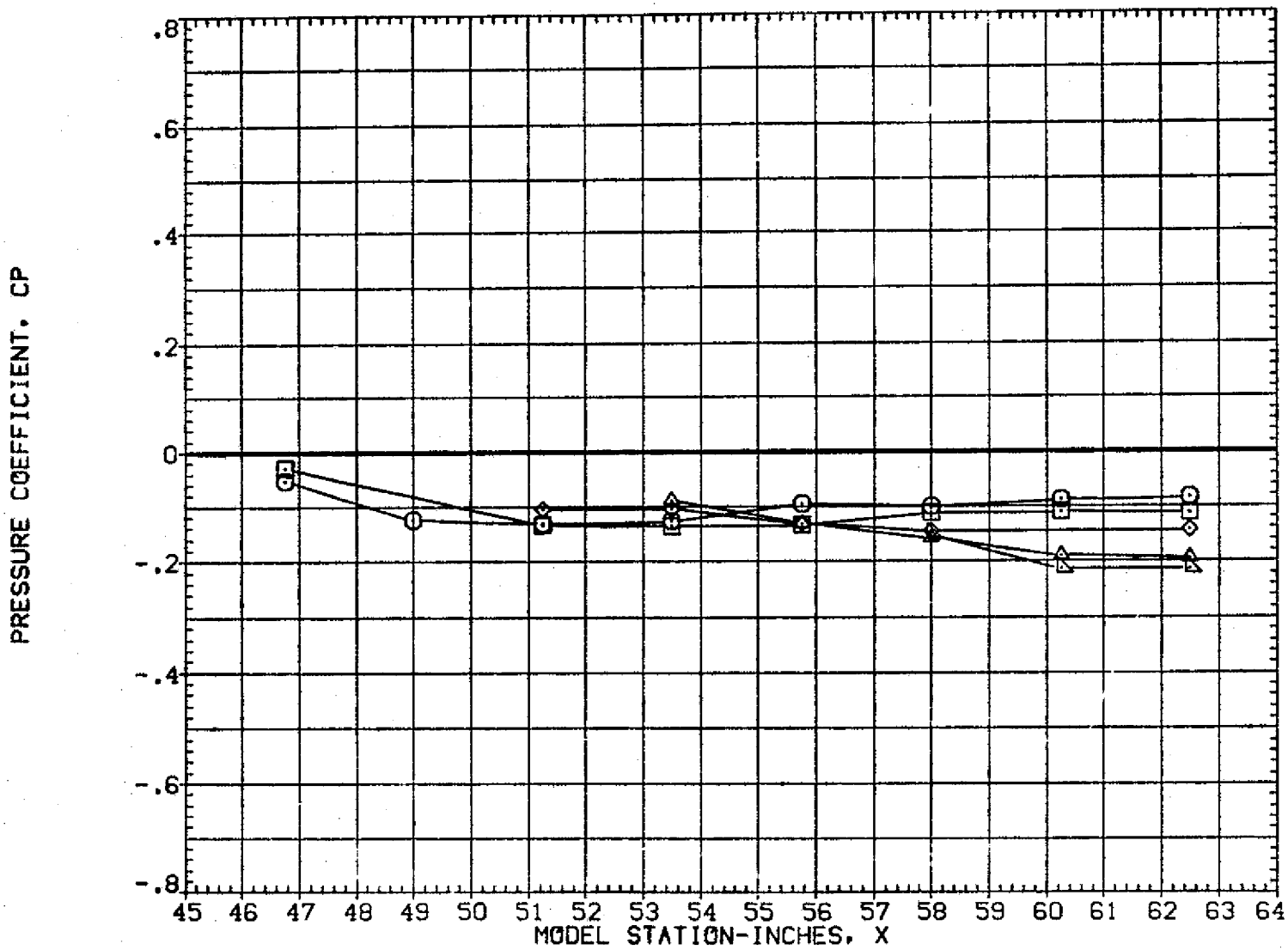


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.120	1.200
□	.294		
◇	.466		
△	.637		
◿	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2YO/B	.550	2YI/B	.250

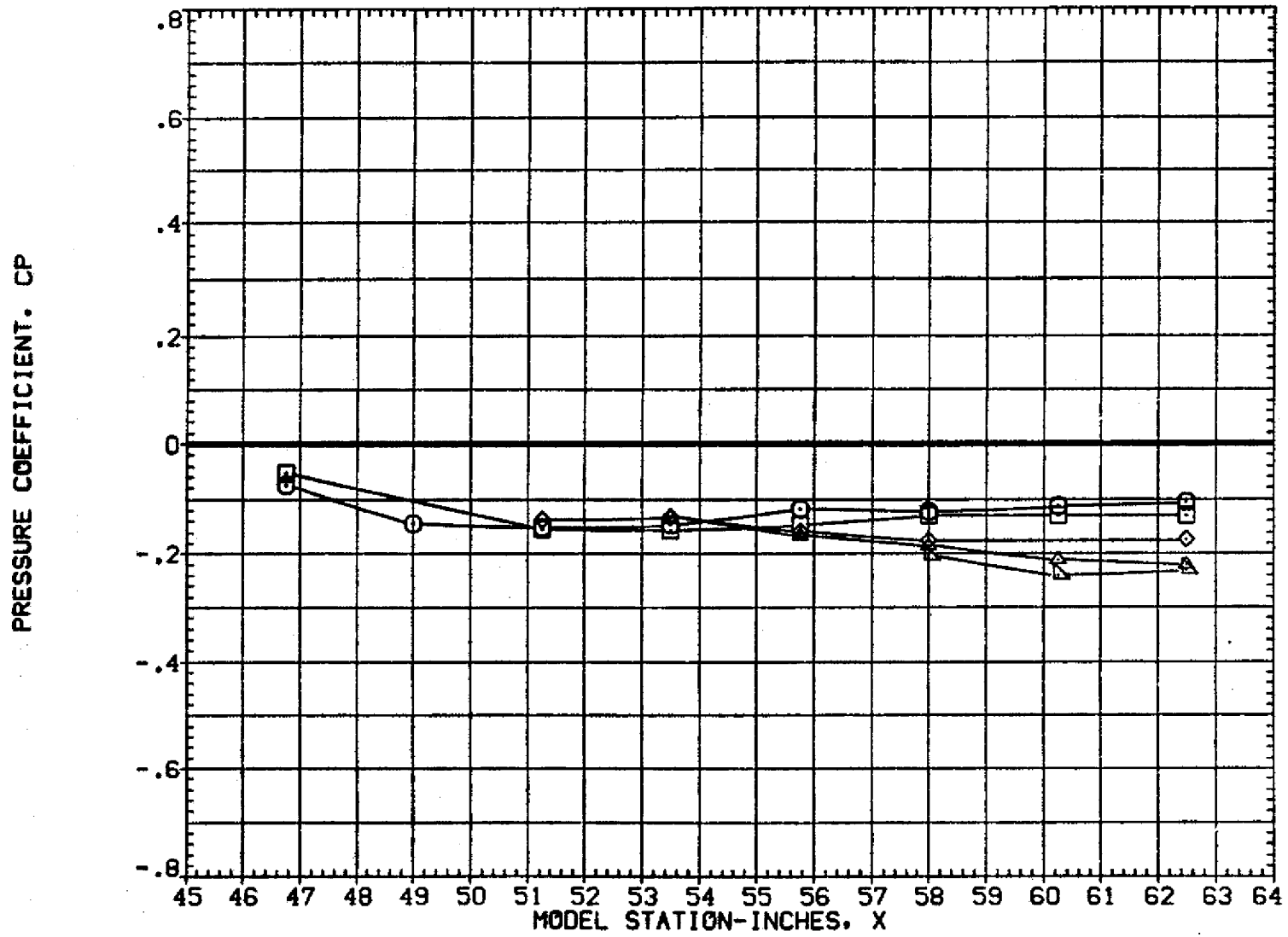


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.650	1.200
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

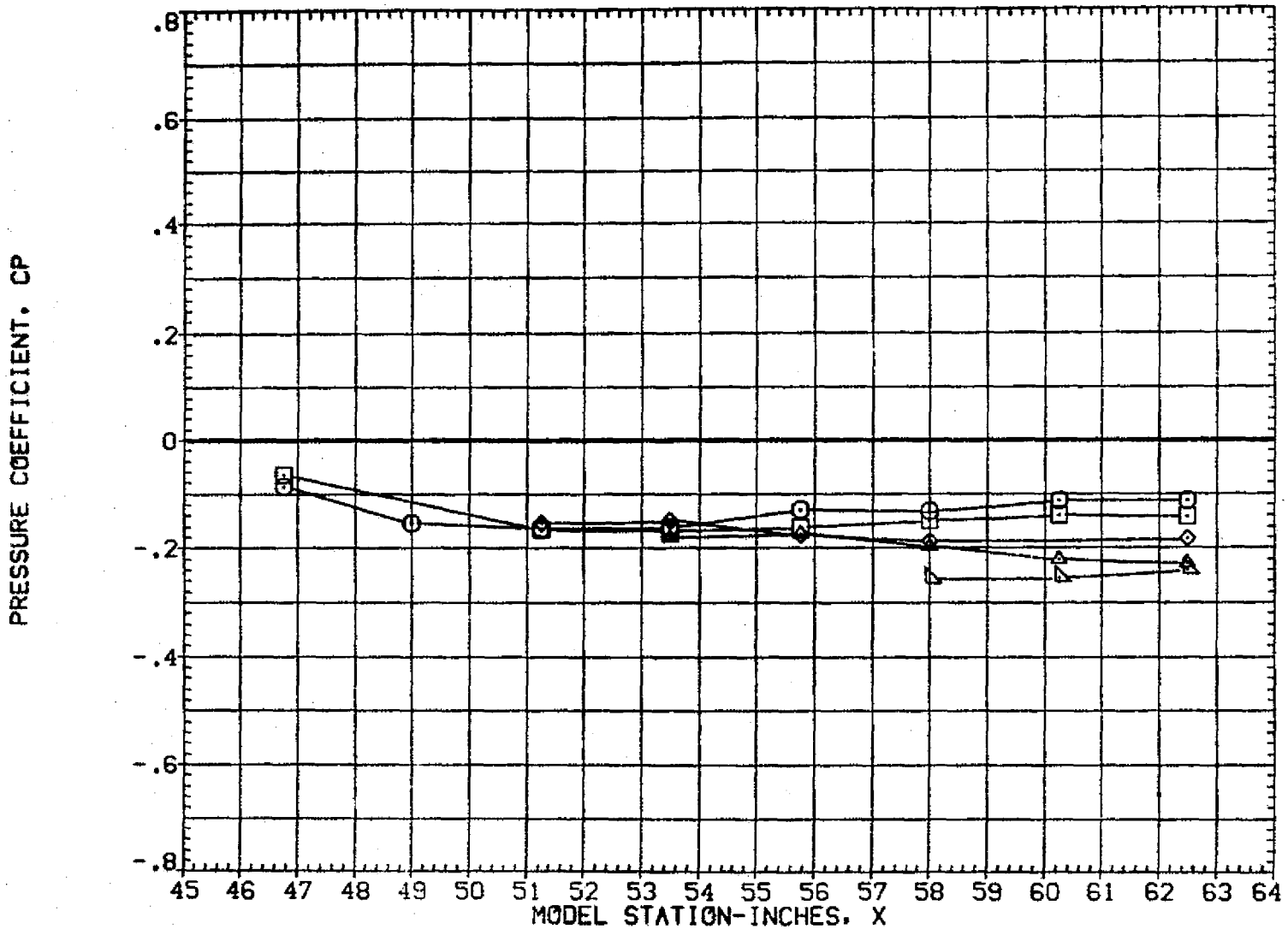


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	-.010	1.301
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

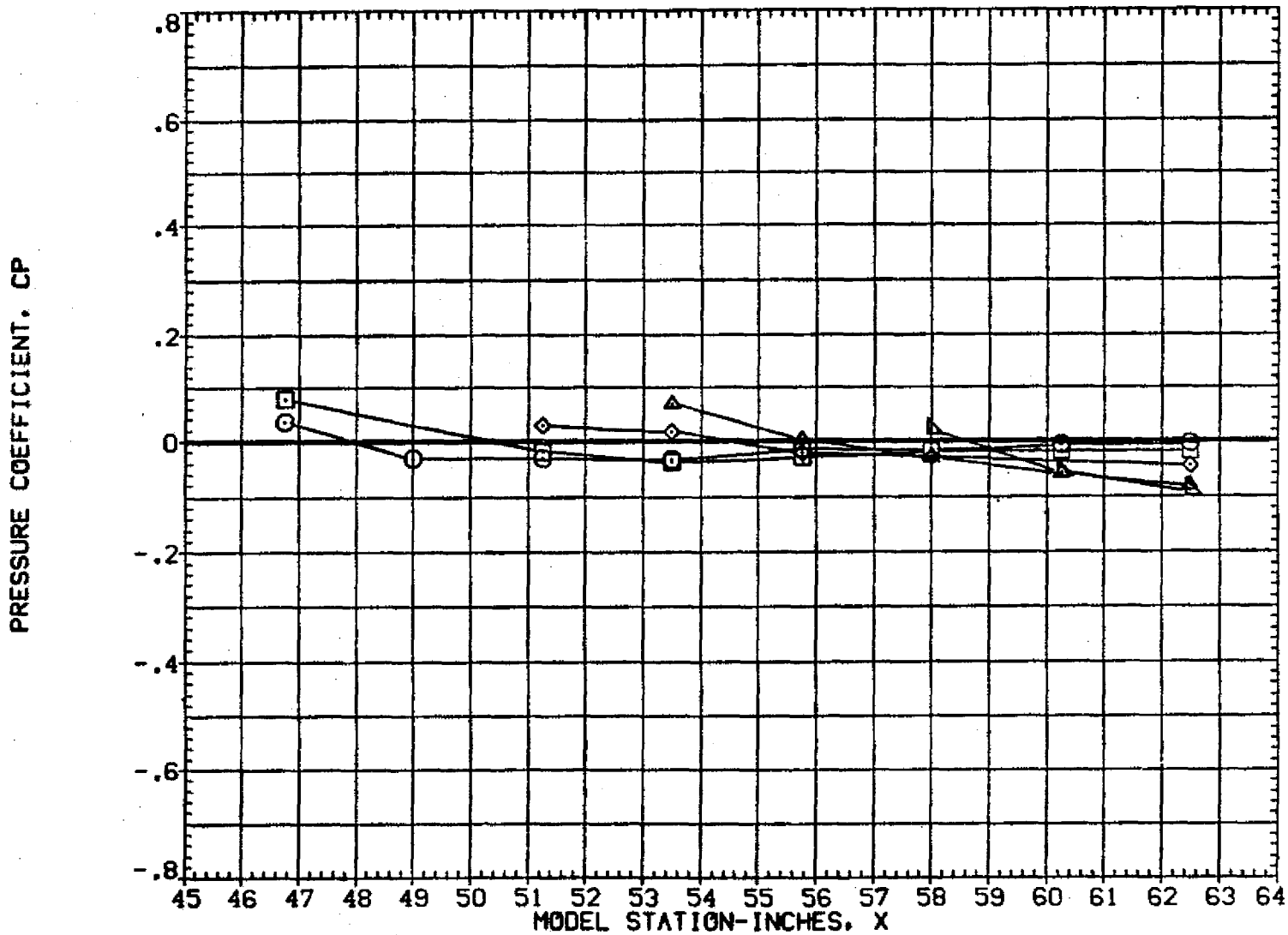


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

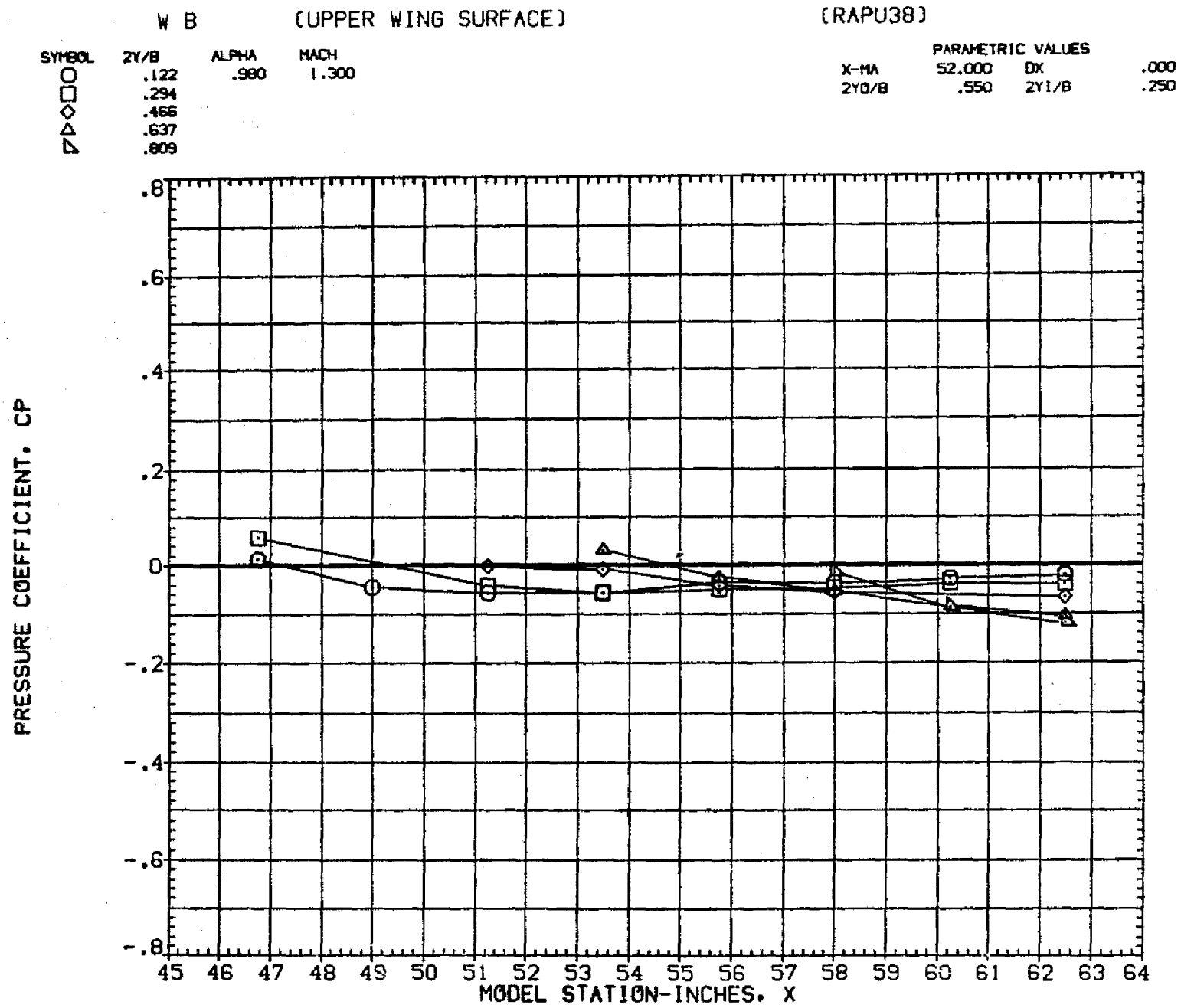


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

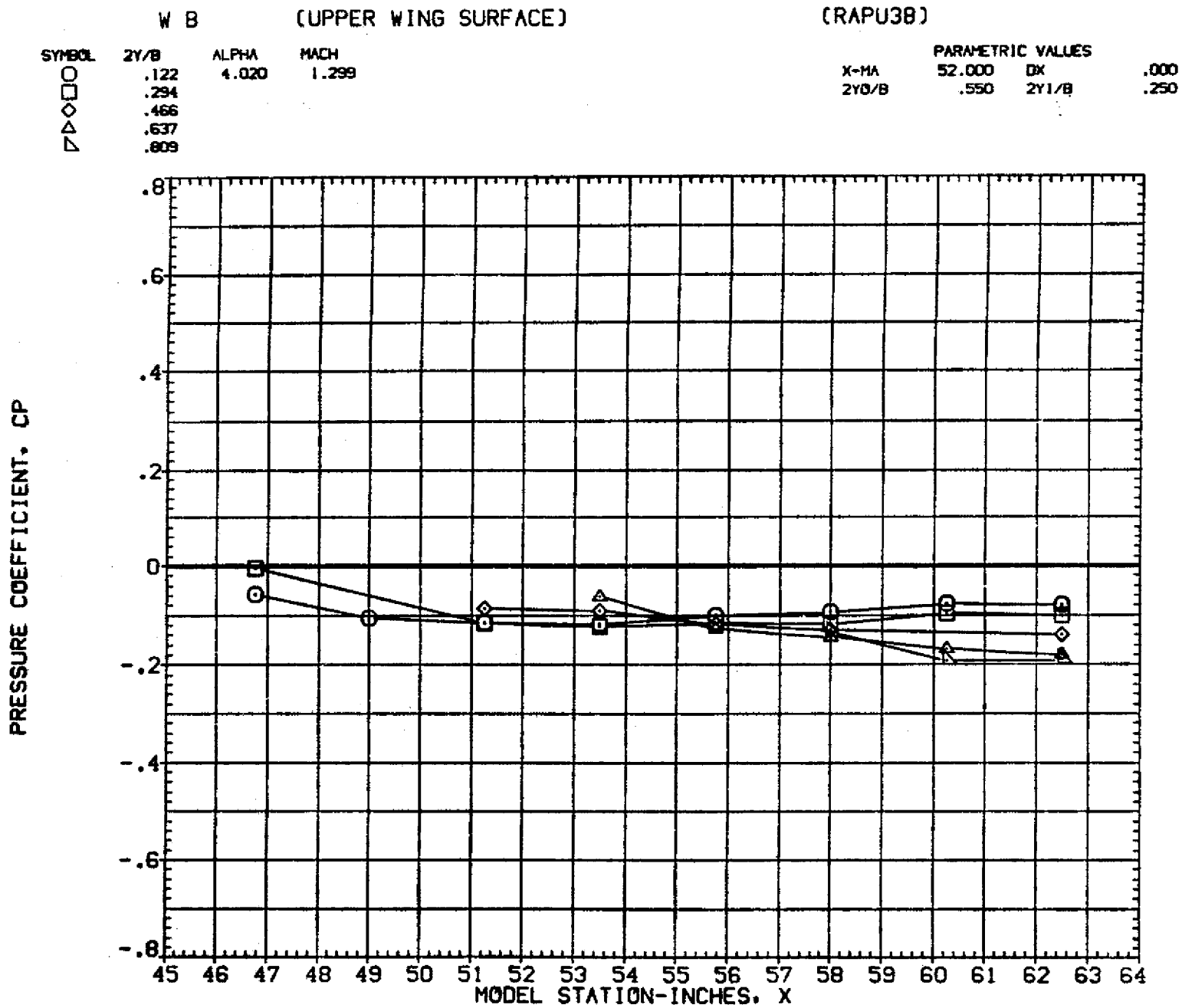


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

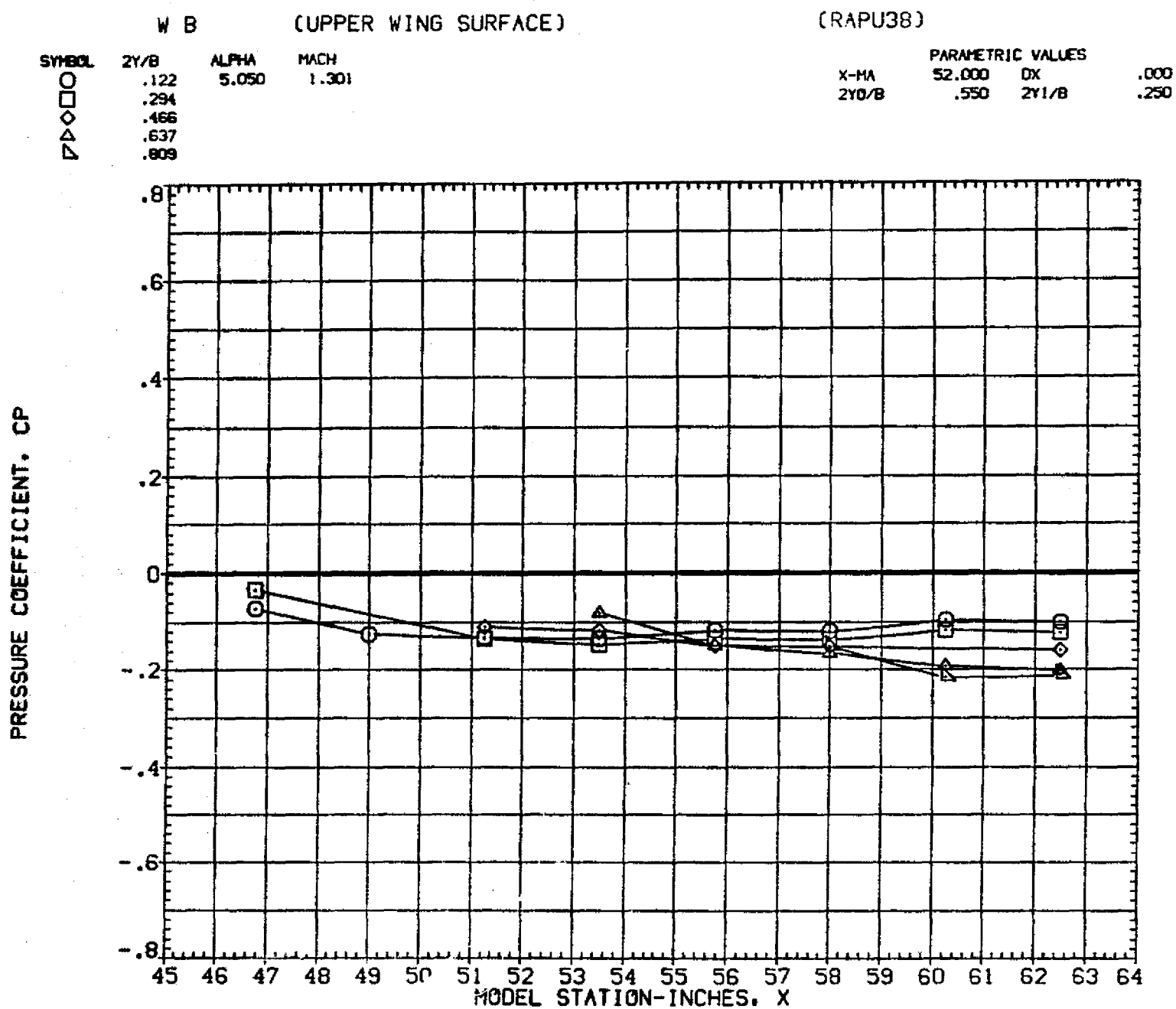


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU3B)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	6.150	1.300
□	.294		
◇	.466		
△	.637		
◸	.809		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

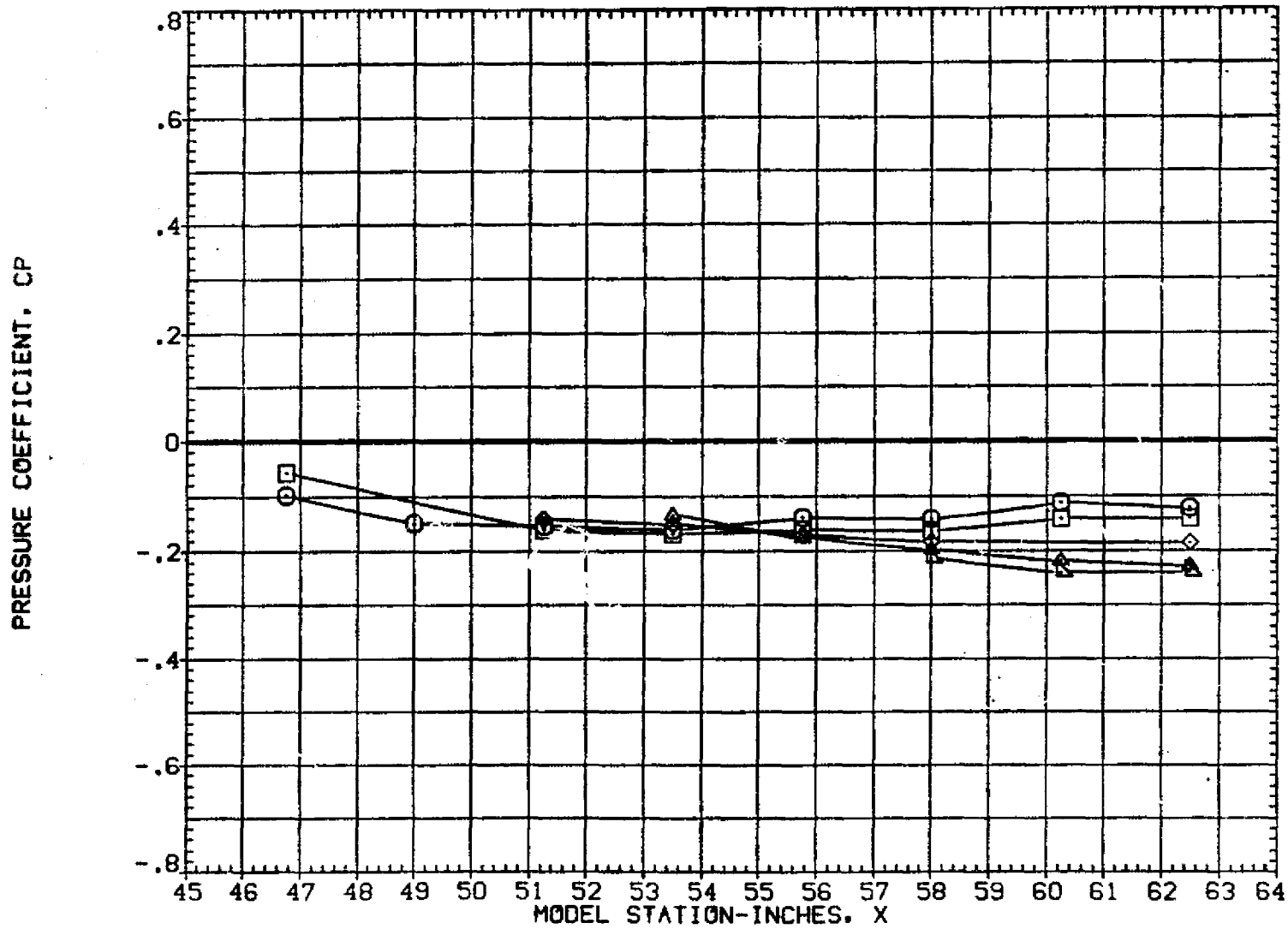


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAP038)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	-.020	1.401
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-HA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

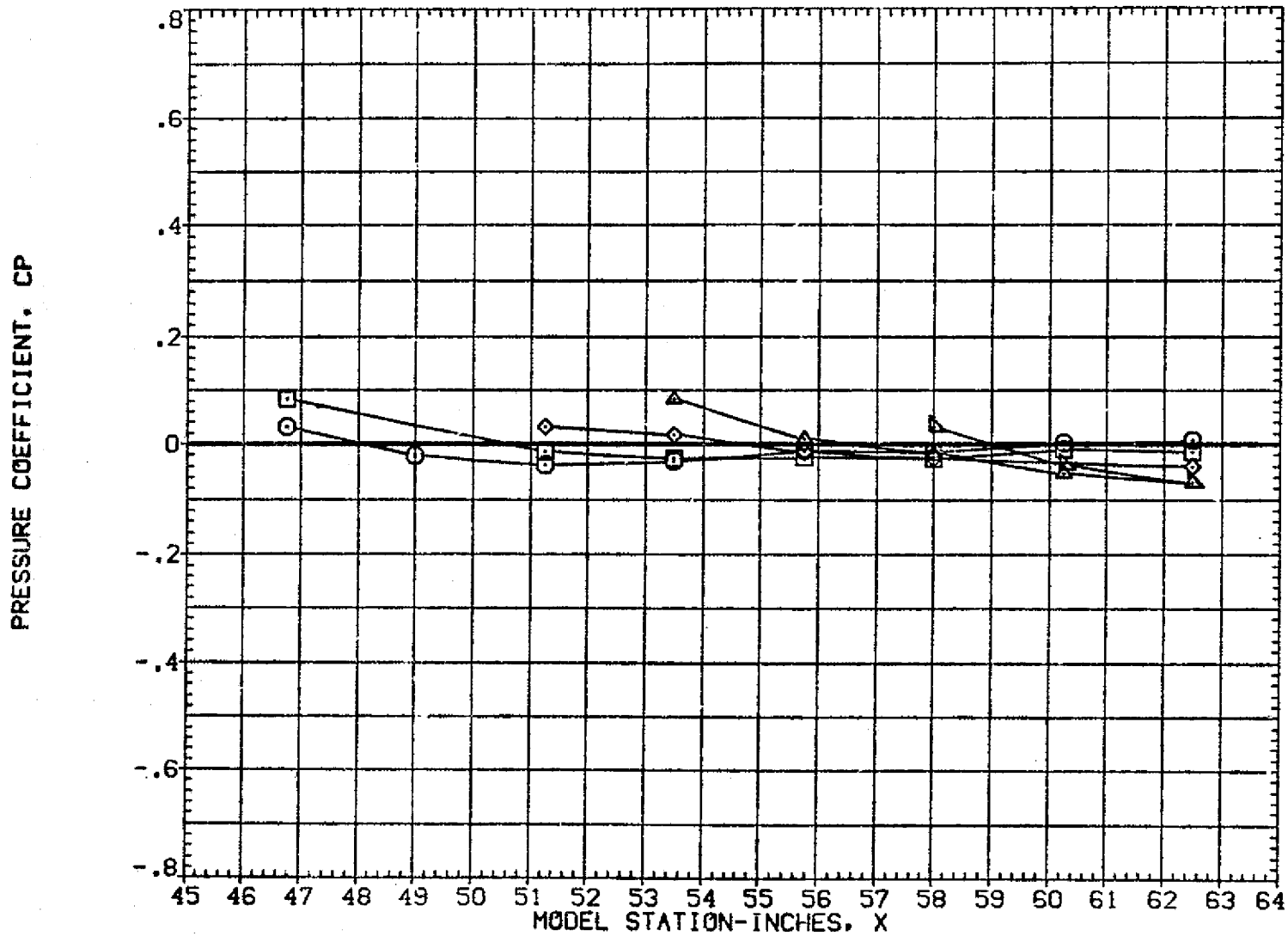


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

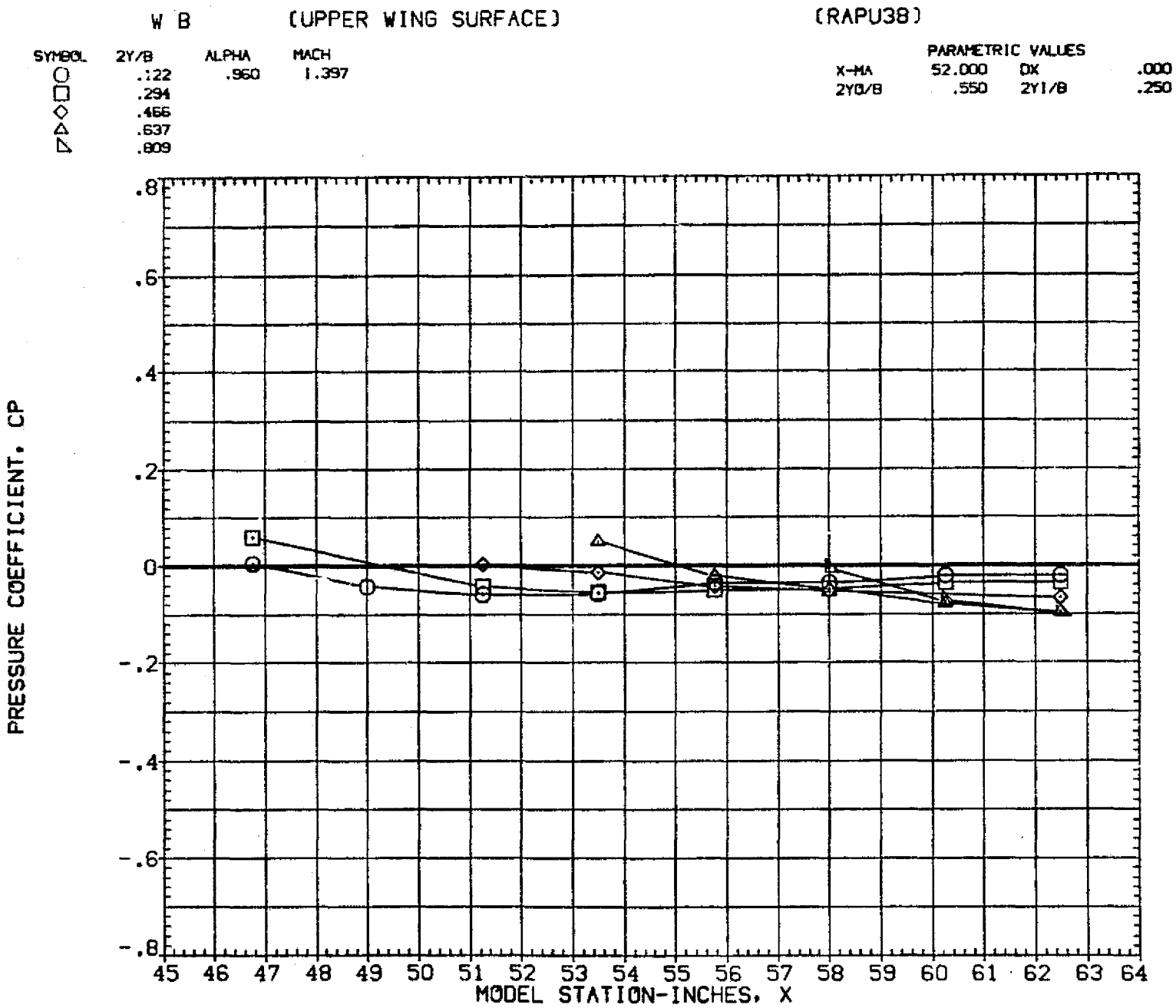


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

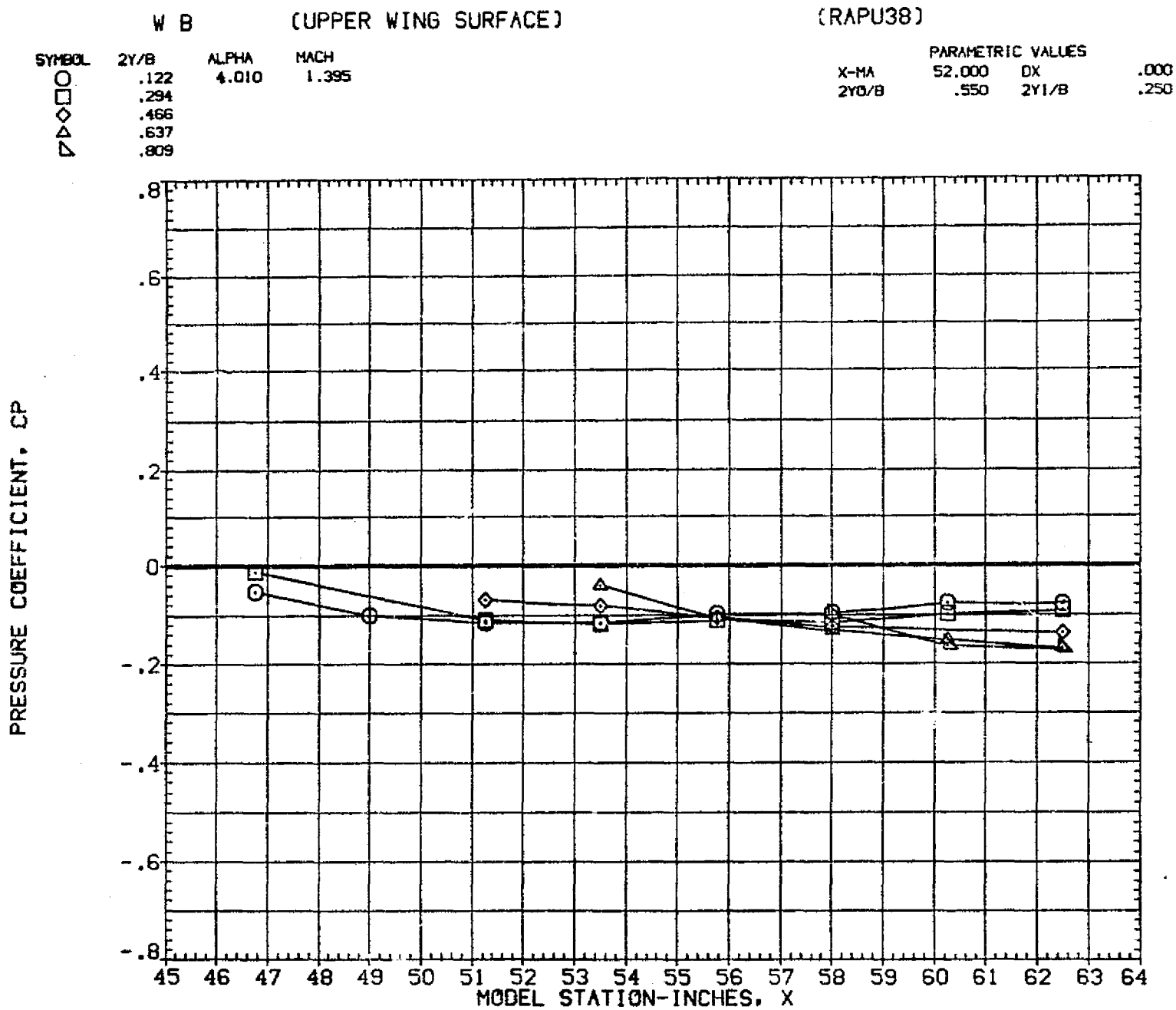


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

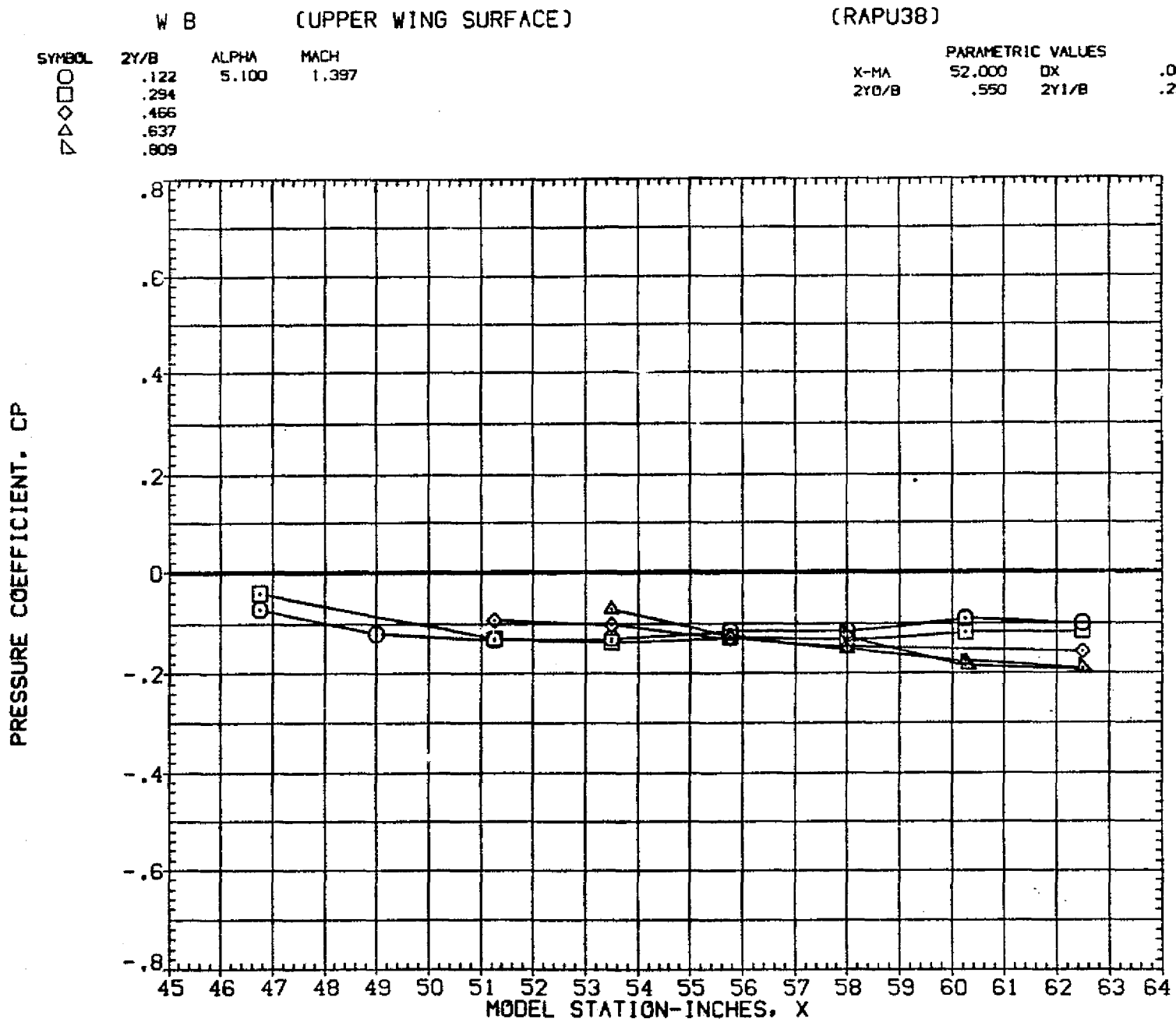


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU38)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	6.090	1.400
□	.294		
◇	.466		
△	.637		
◺	.909		

PARAMETRIC VALUES

X-MA	52.000	DX	.000
2Y0/B	.550	2Y1/B	.250

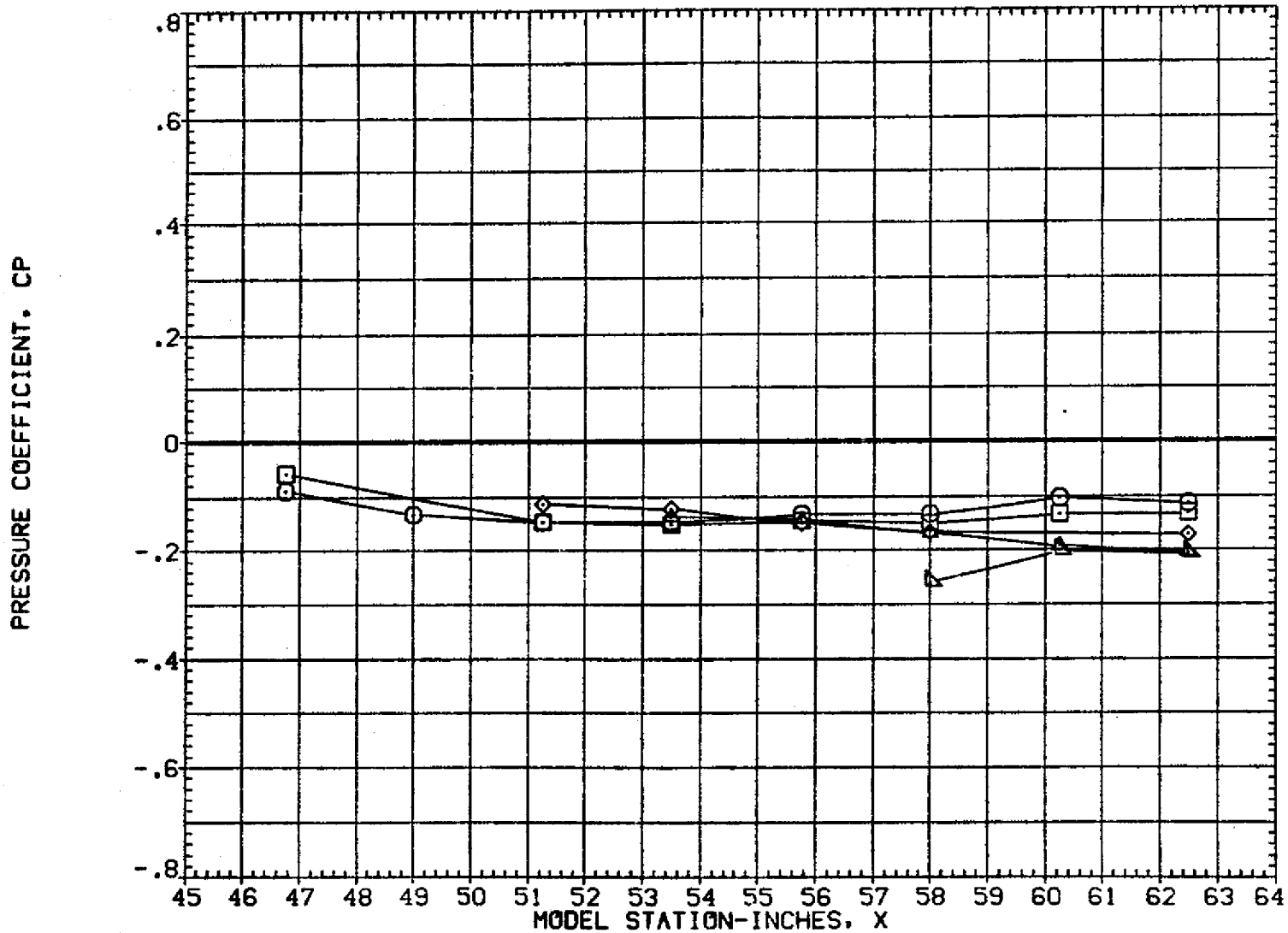


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

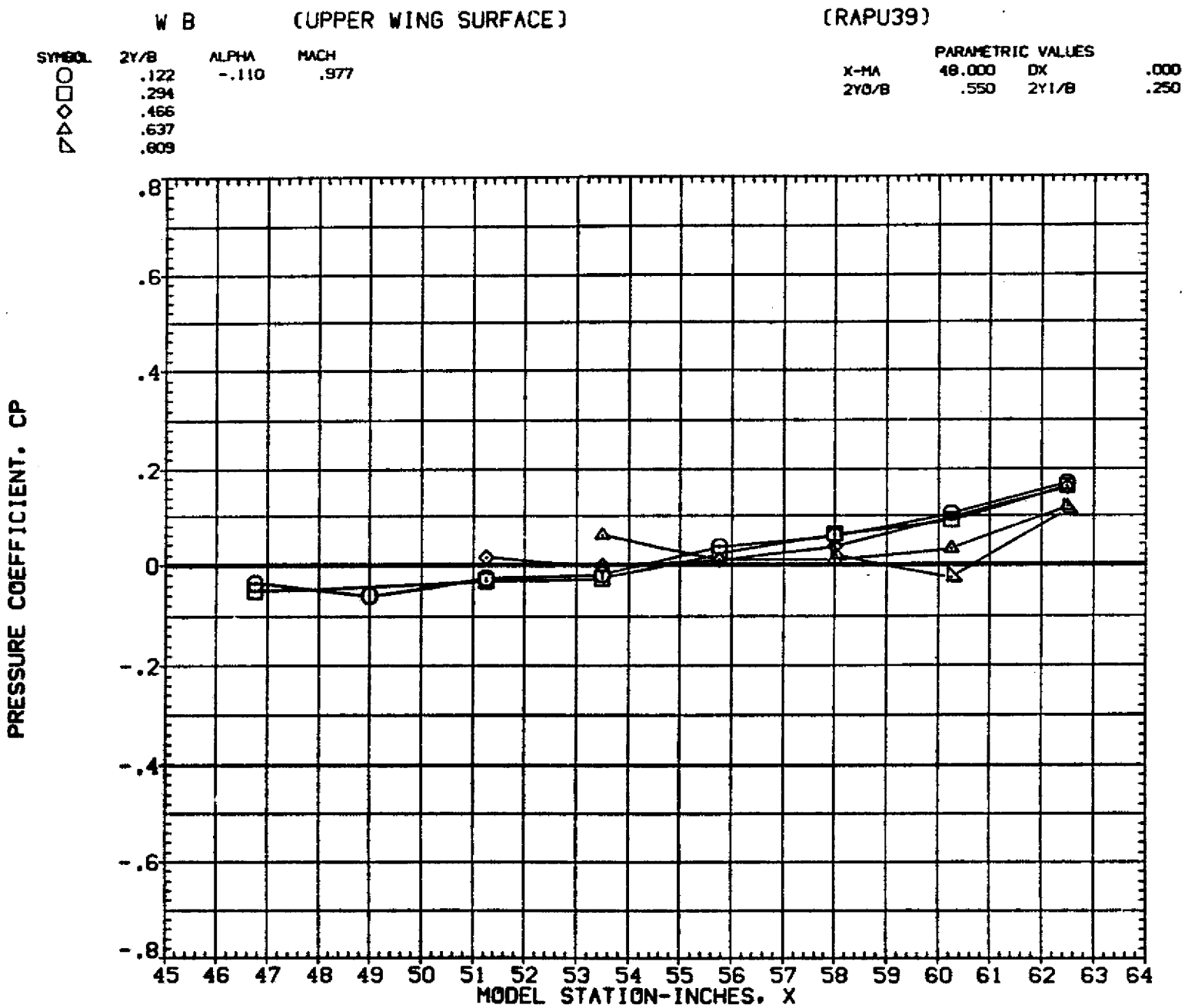


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

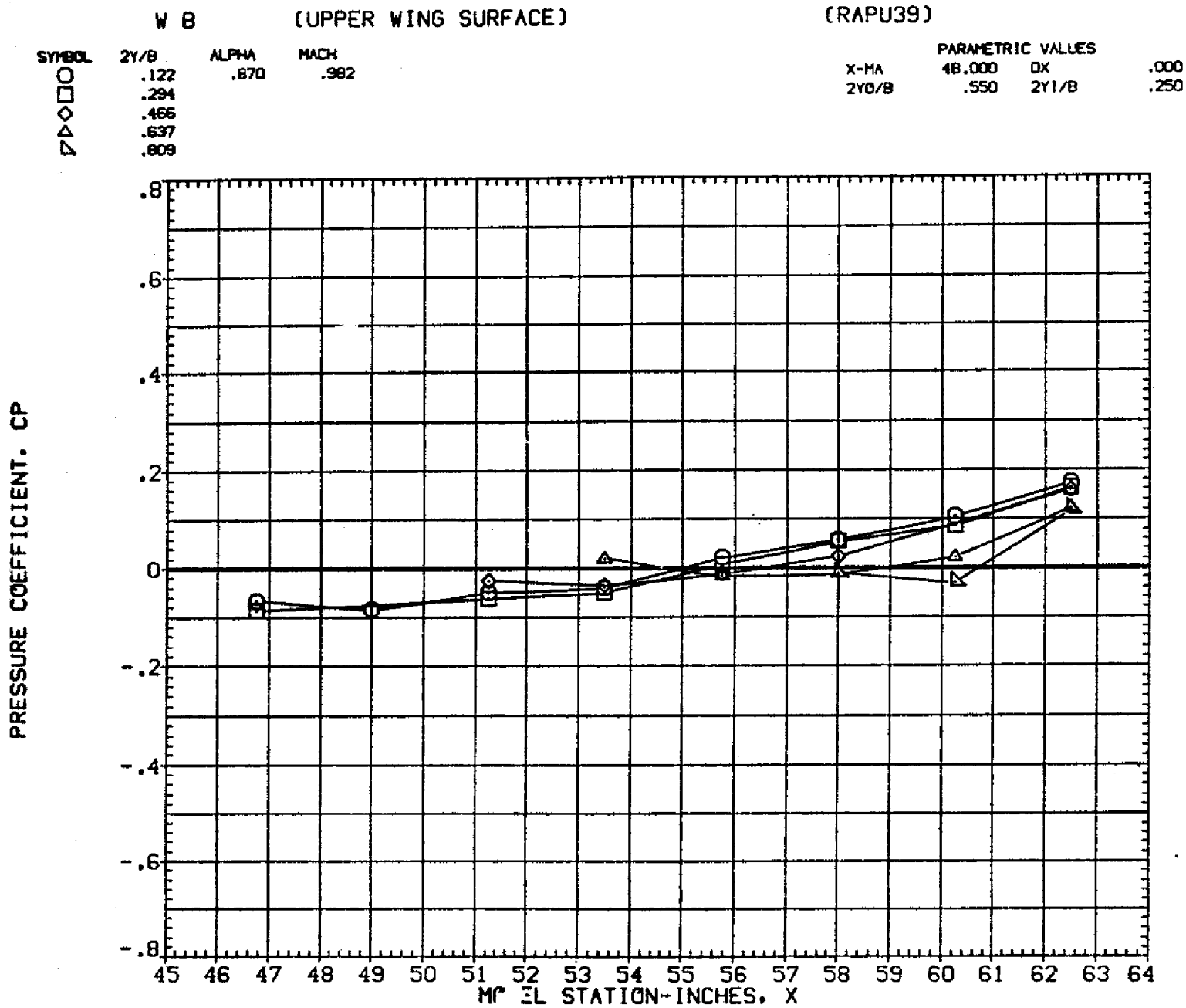


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

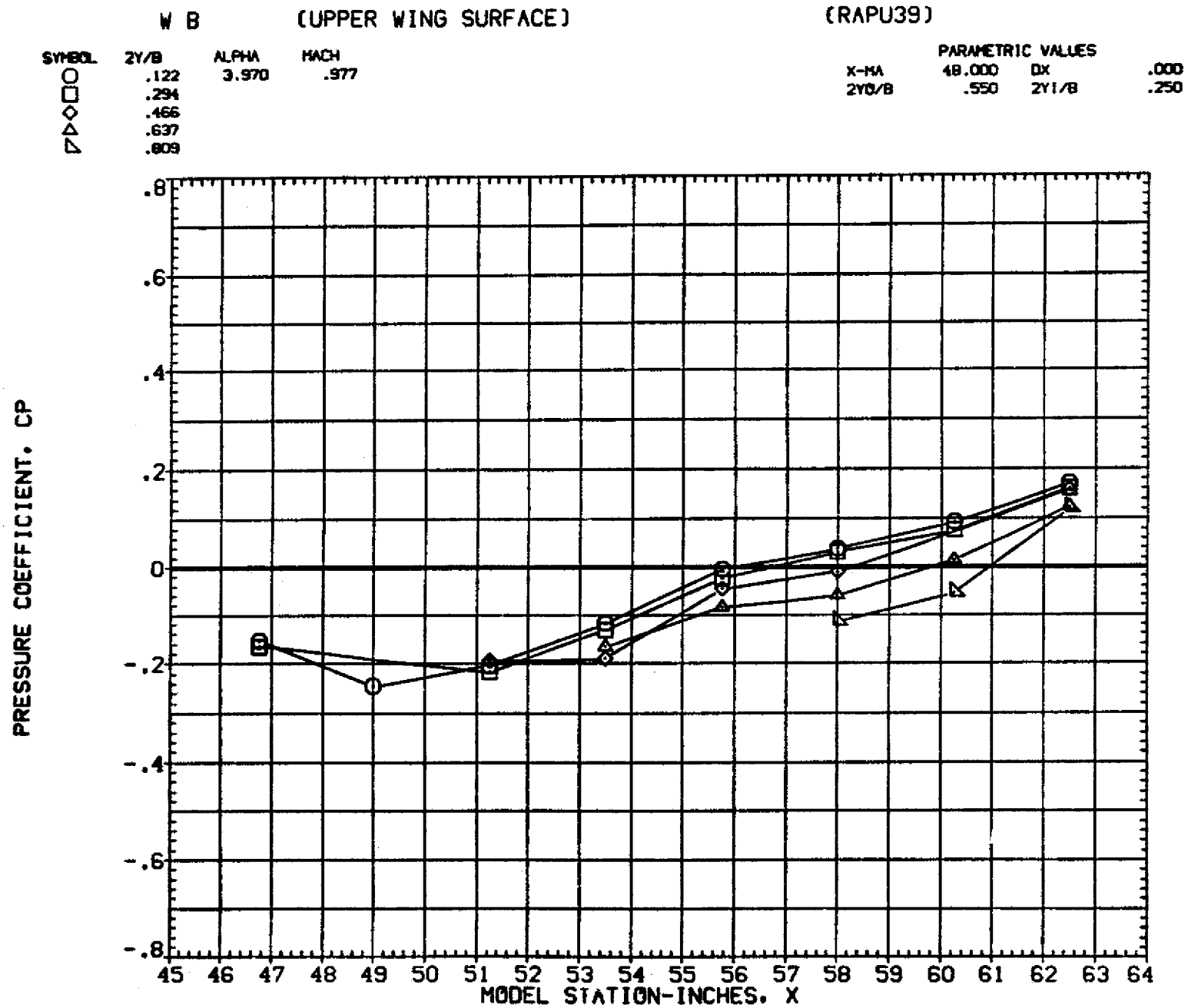


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

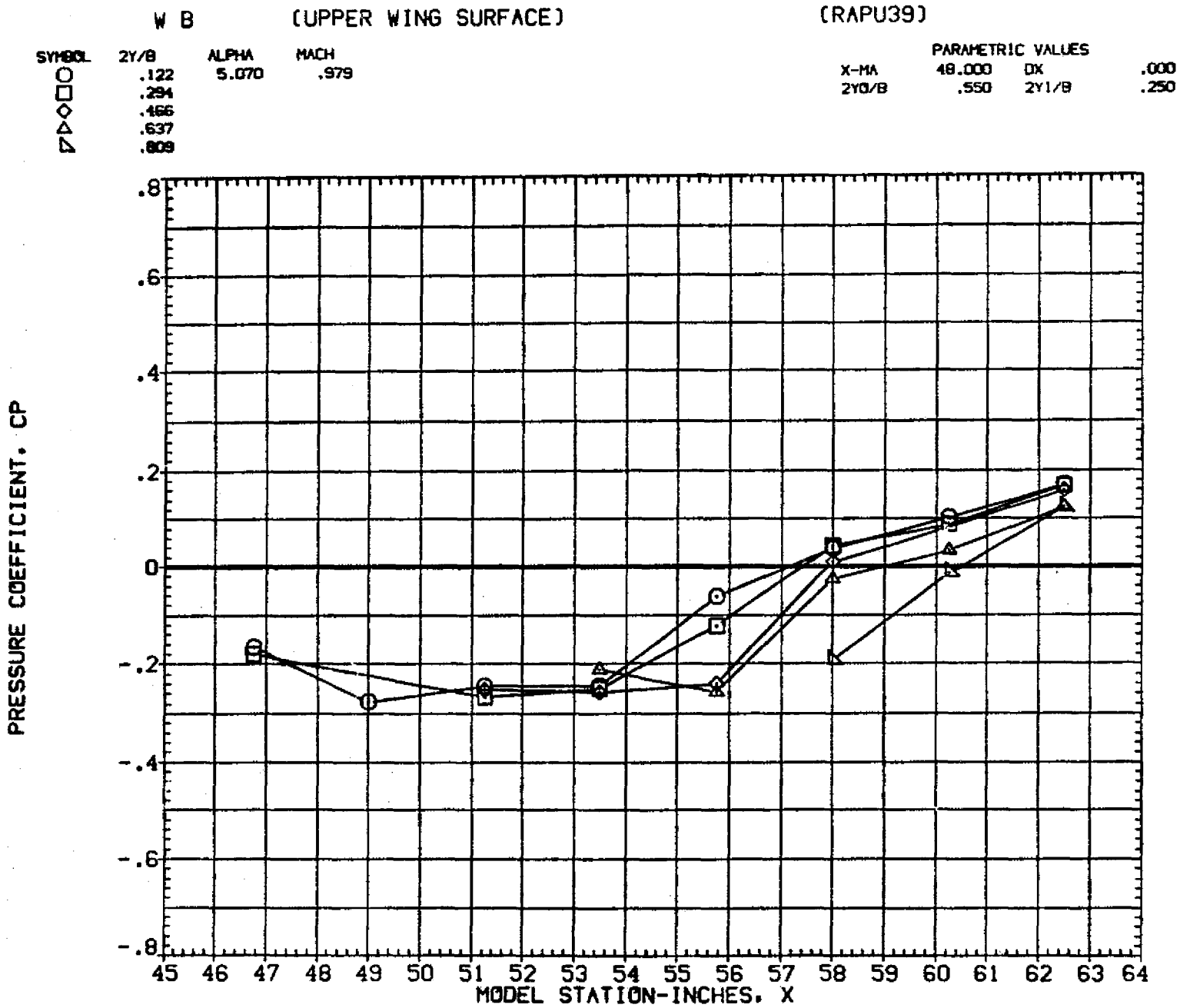


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

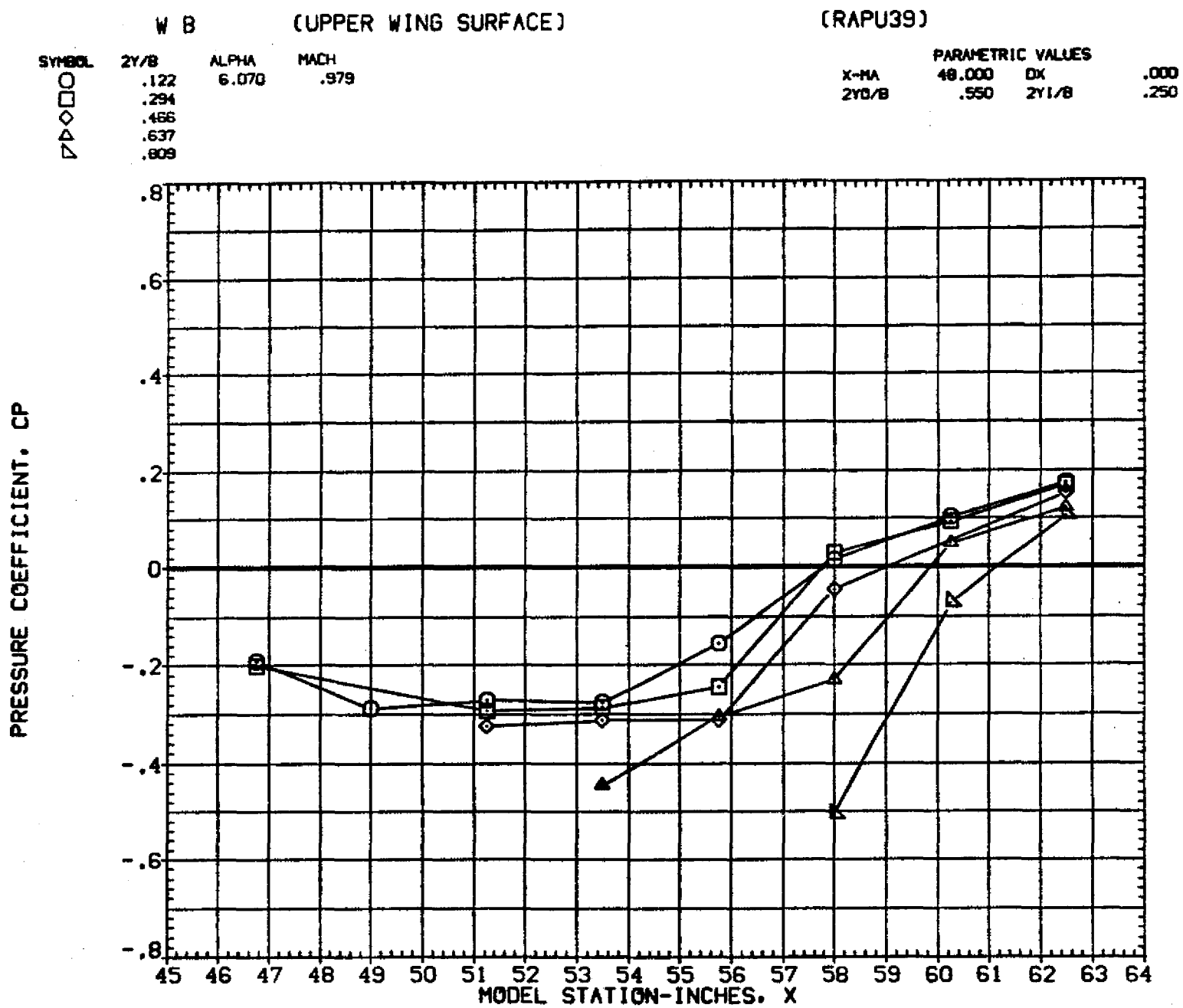


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

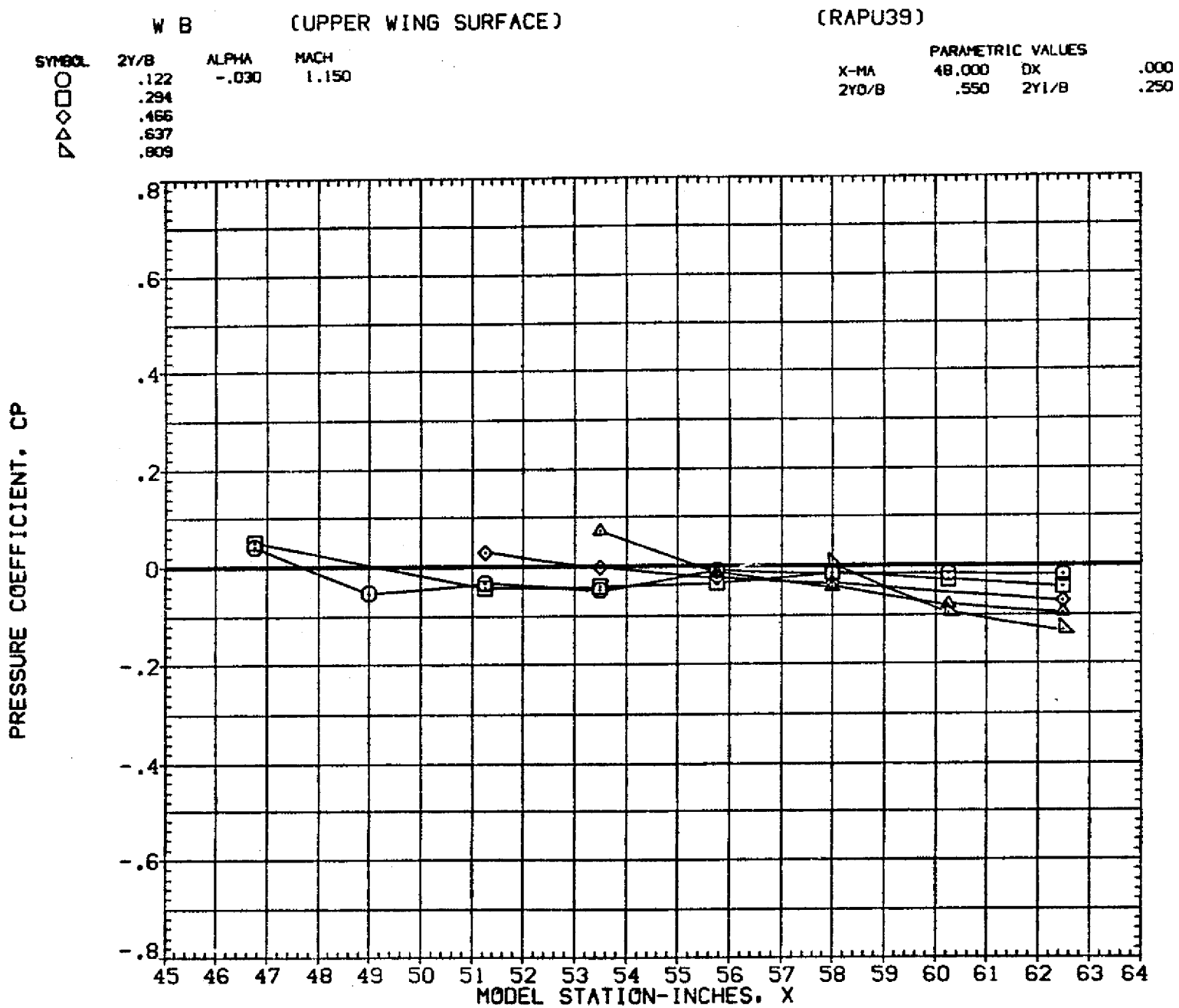


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU39)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.940	1.150
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

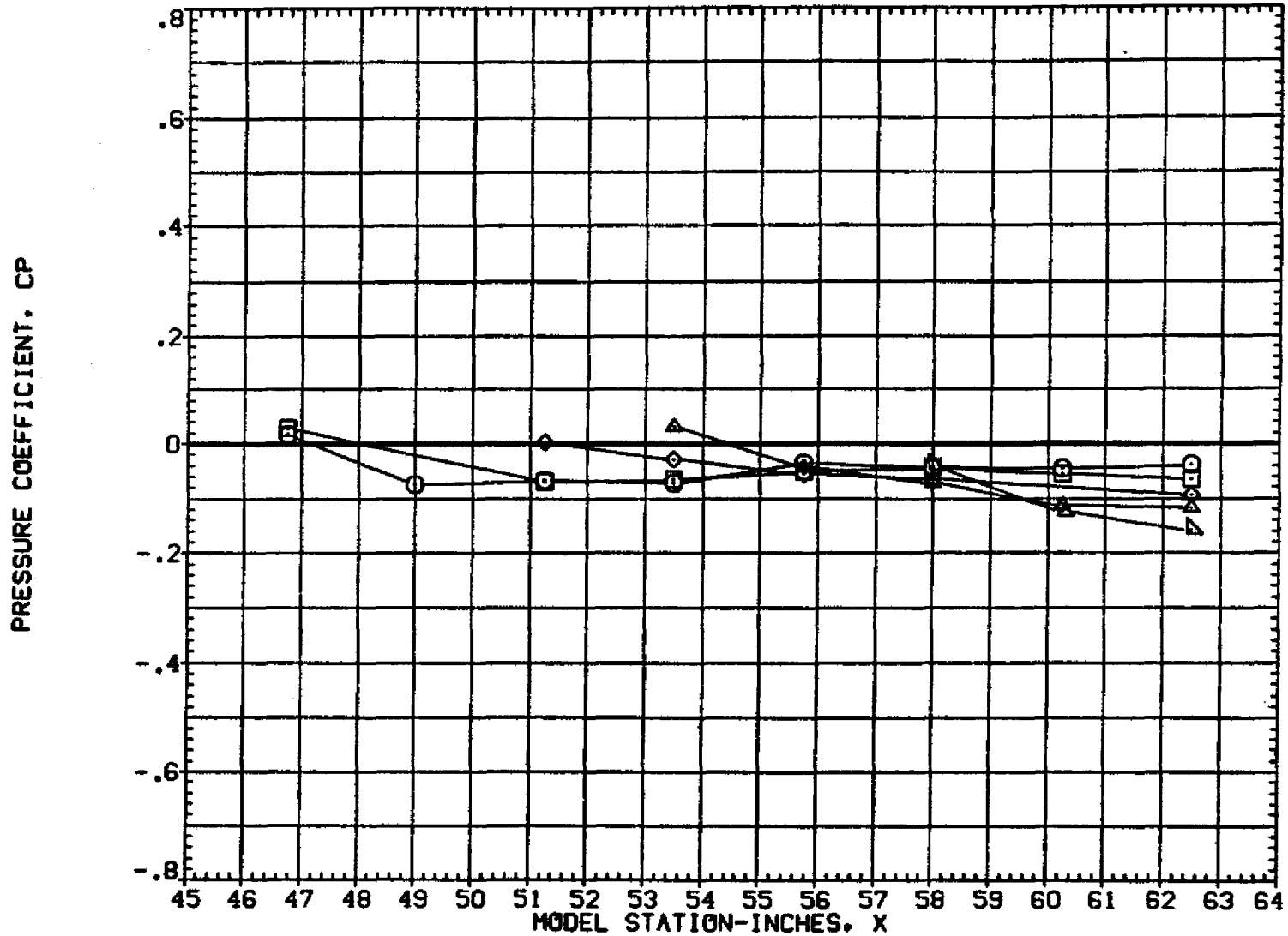


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

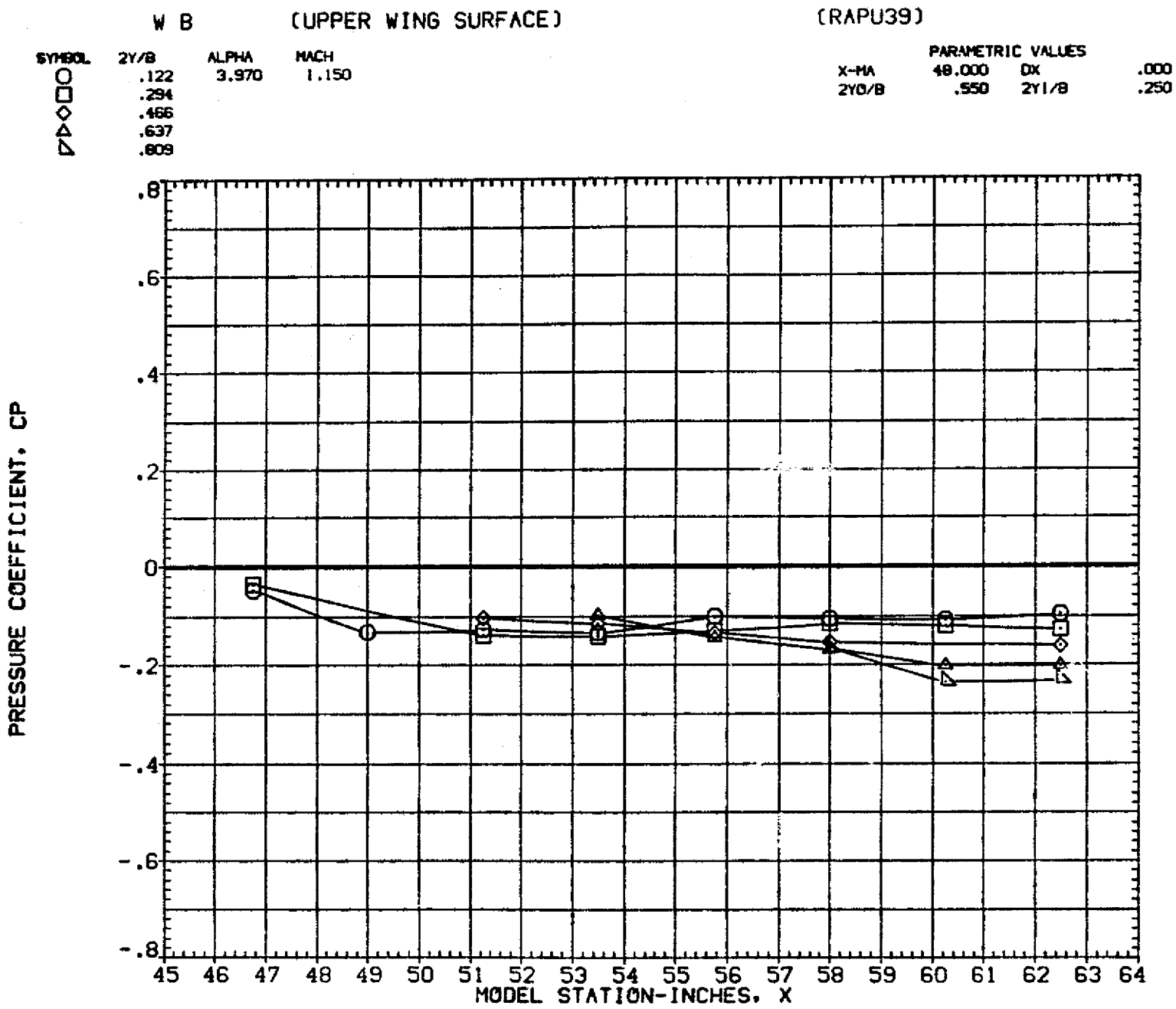


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

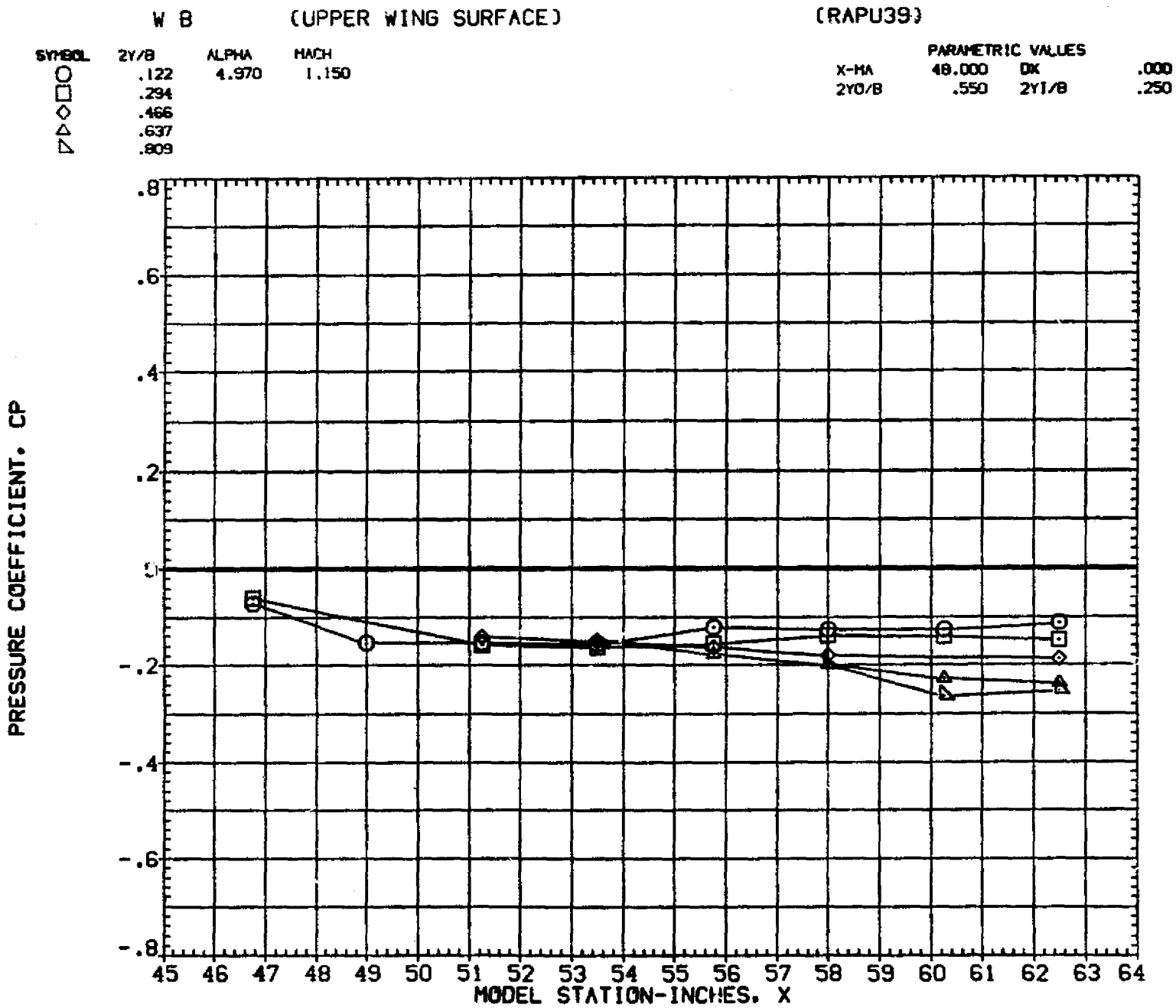


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

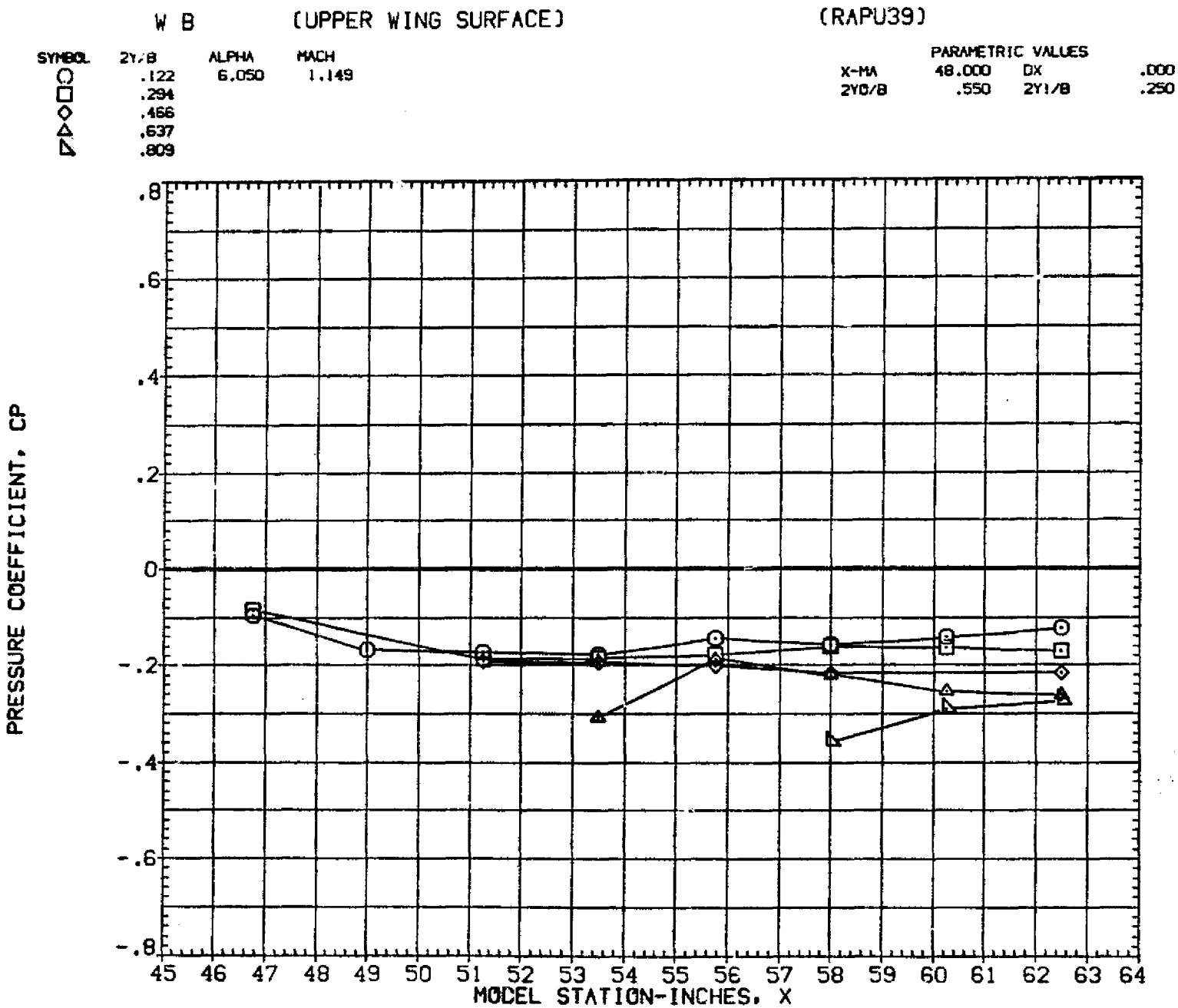


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

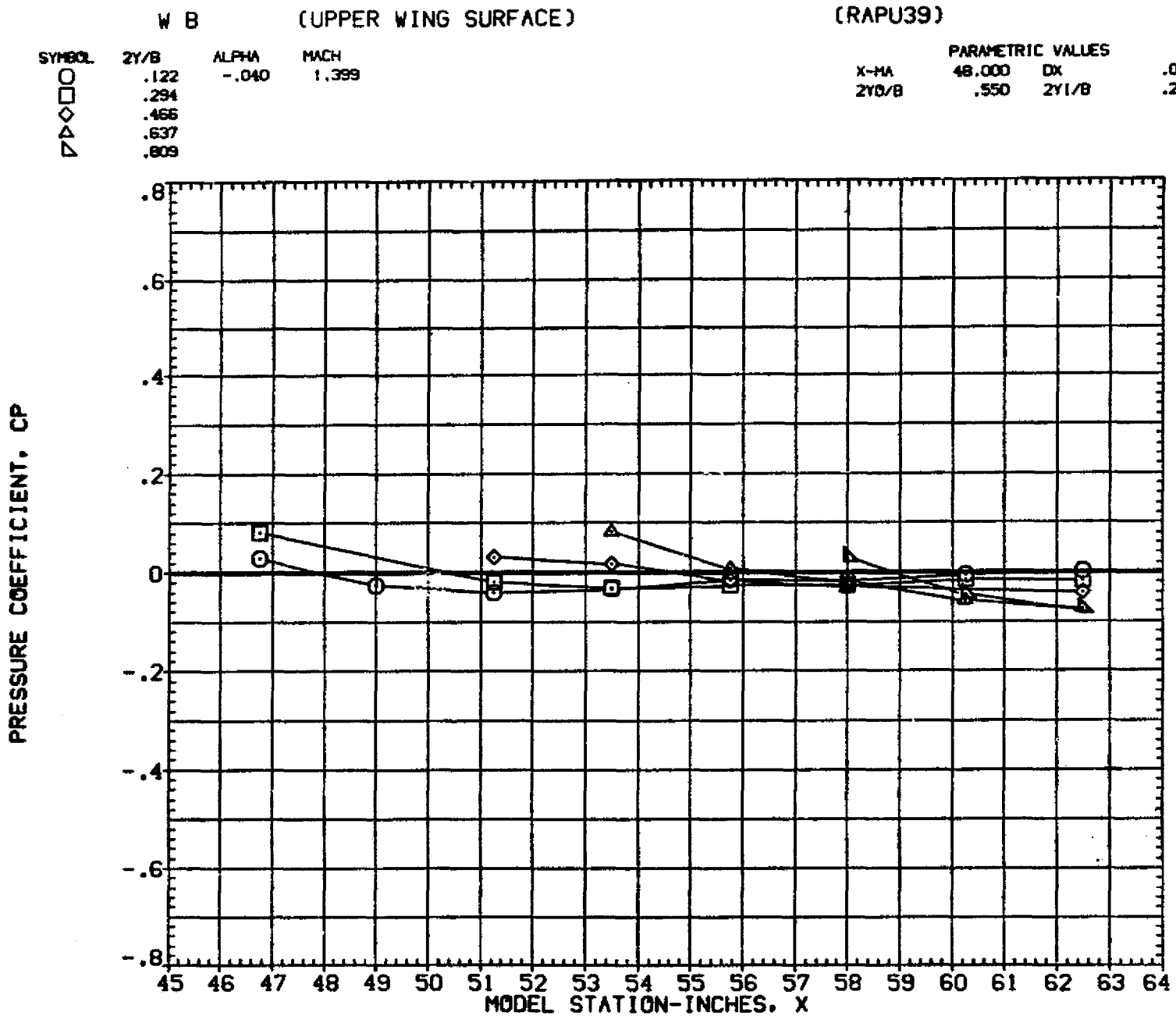


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU39)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.970	1.400
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

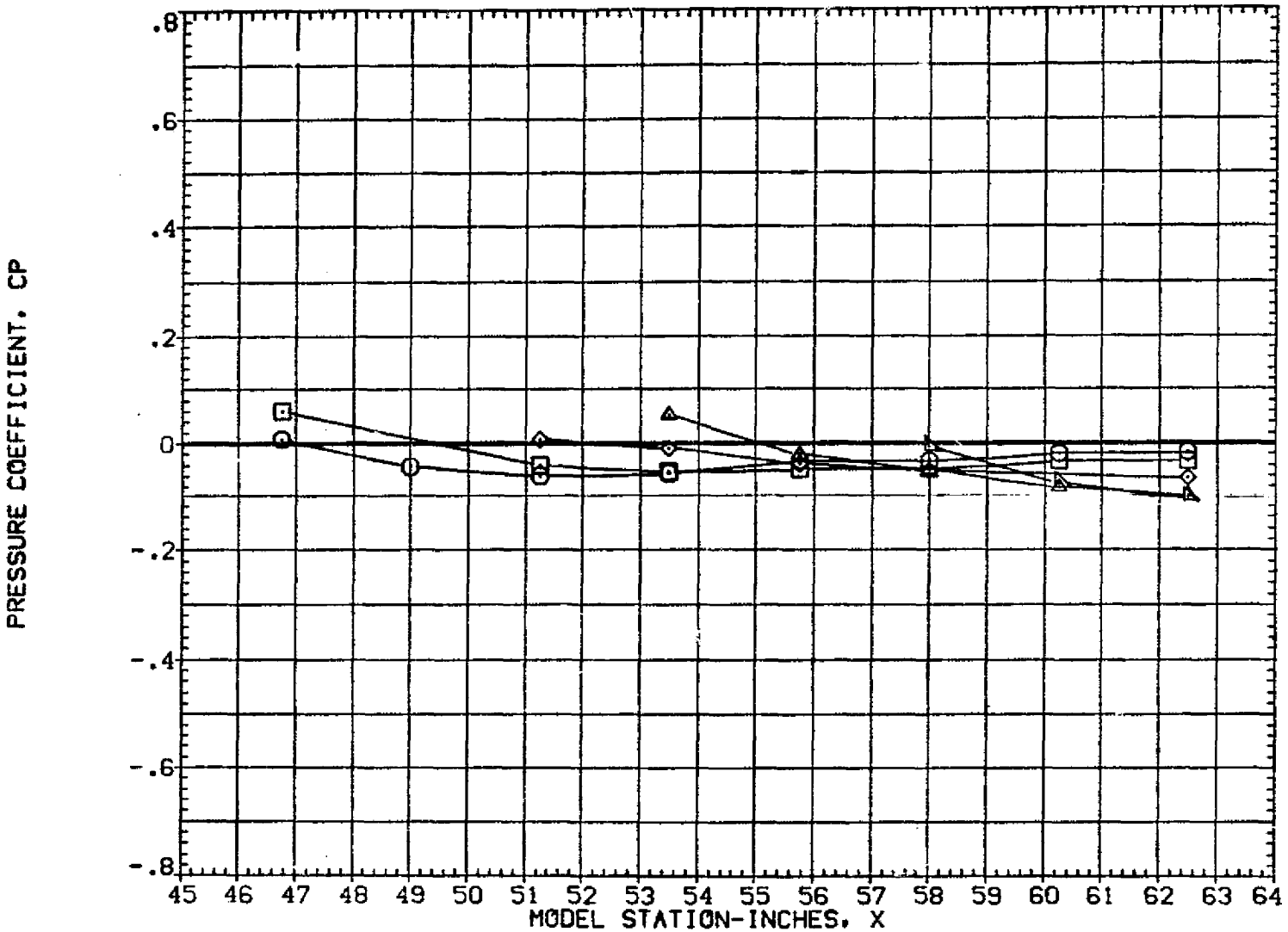


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU39)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	3.960	1.395
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

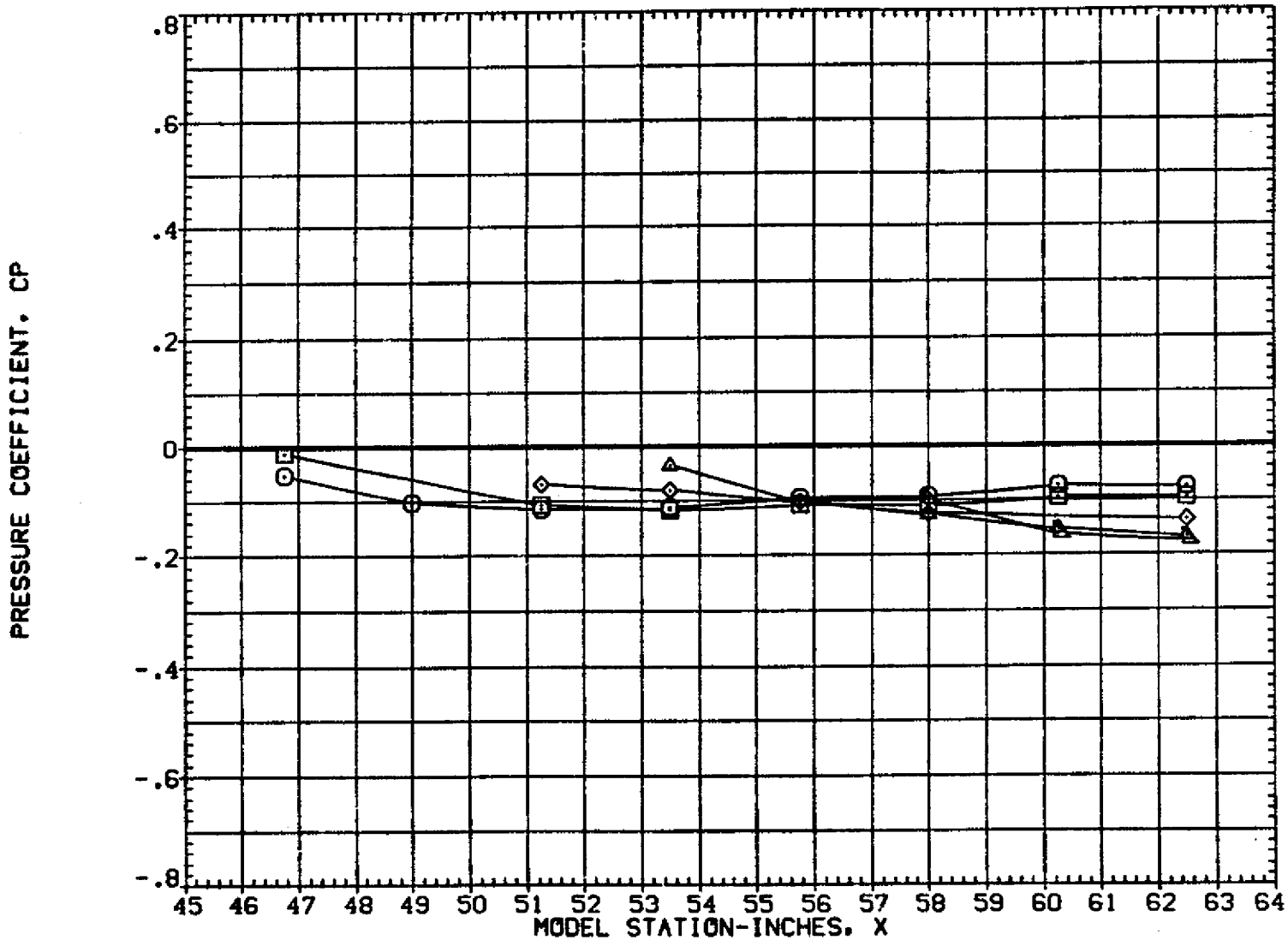


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W 6 (UPPER WING SURFACE) (RAPU39)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.990	1.398
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	48.000	DX	.000
2Y0/B	.550	2Y1/B	.250

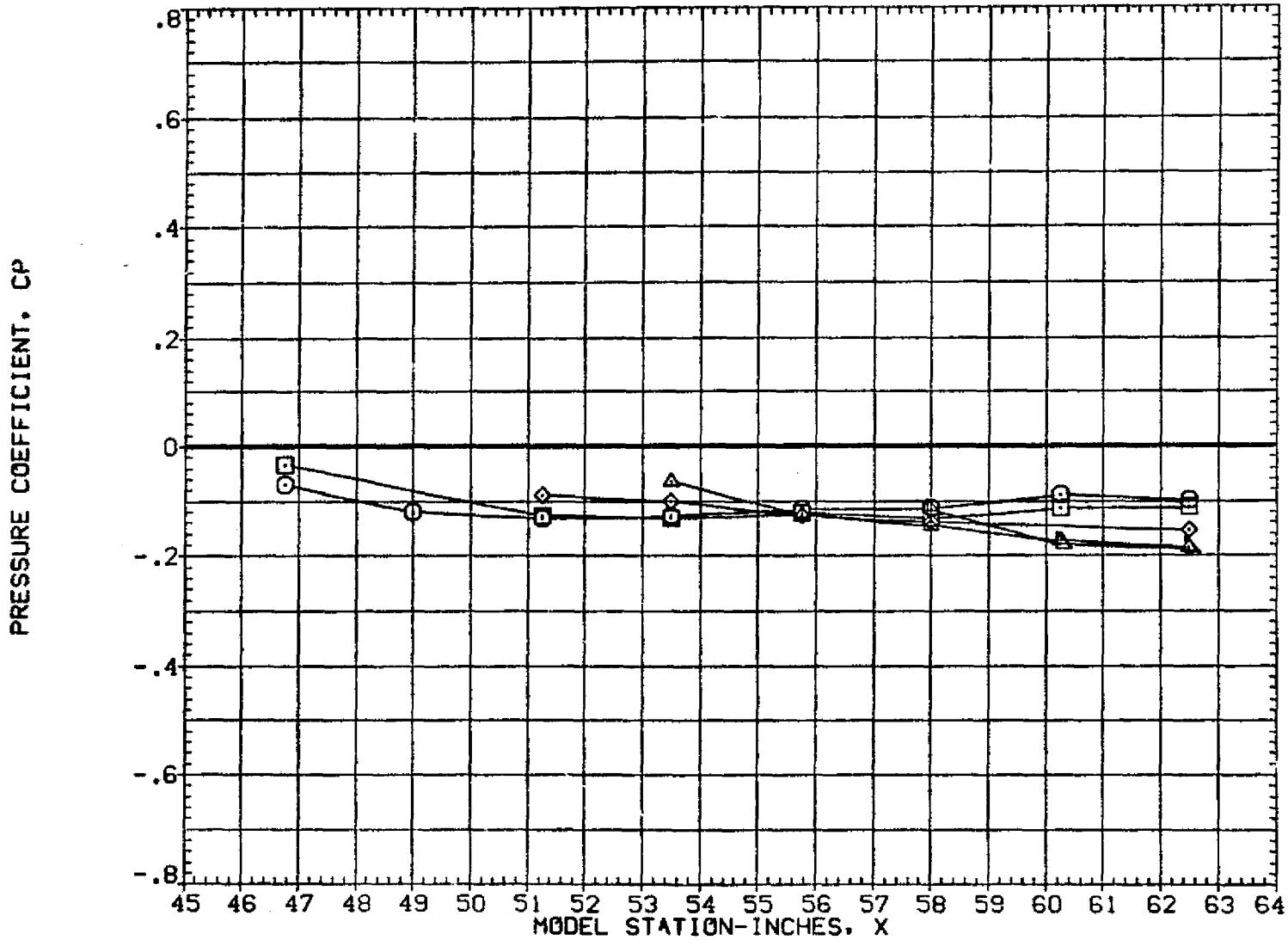


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU39)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	6.000	1.400
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	49.000	DX	.000
2Y0/B	.550	2Y1/B	.250

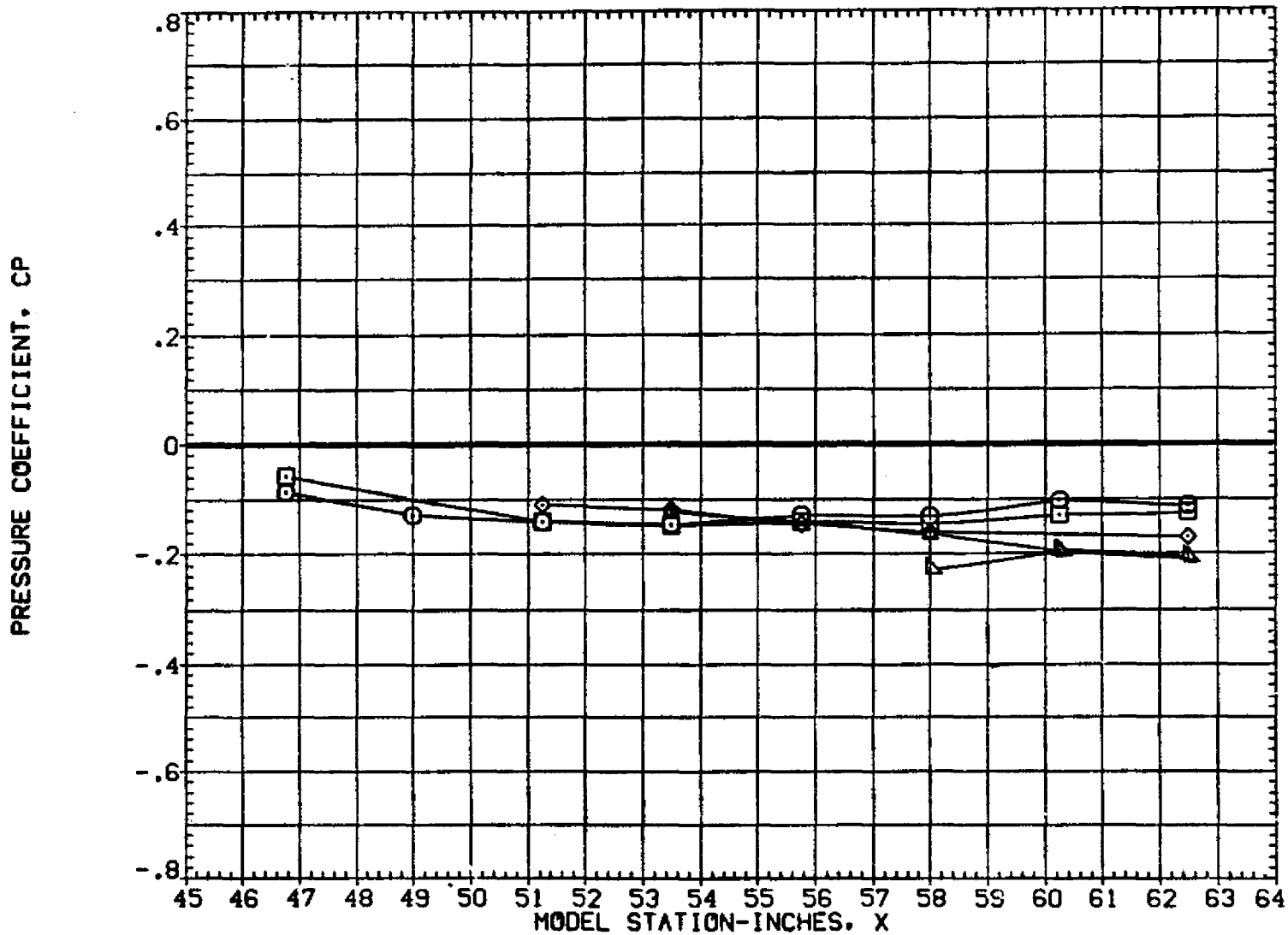


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

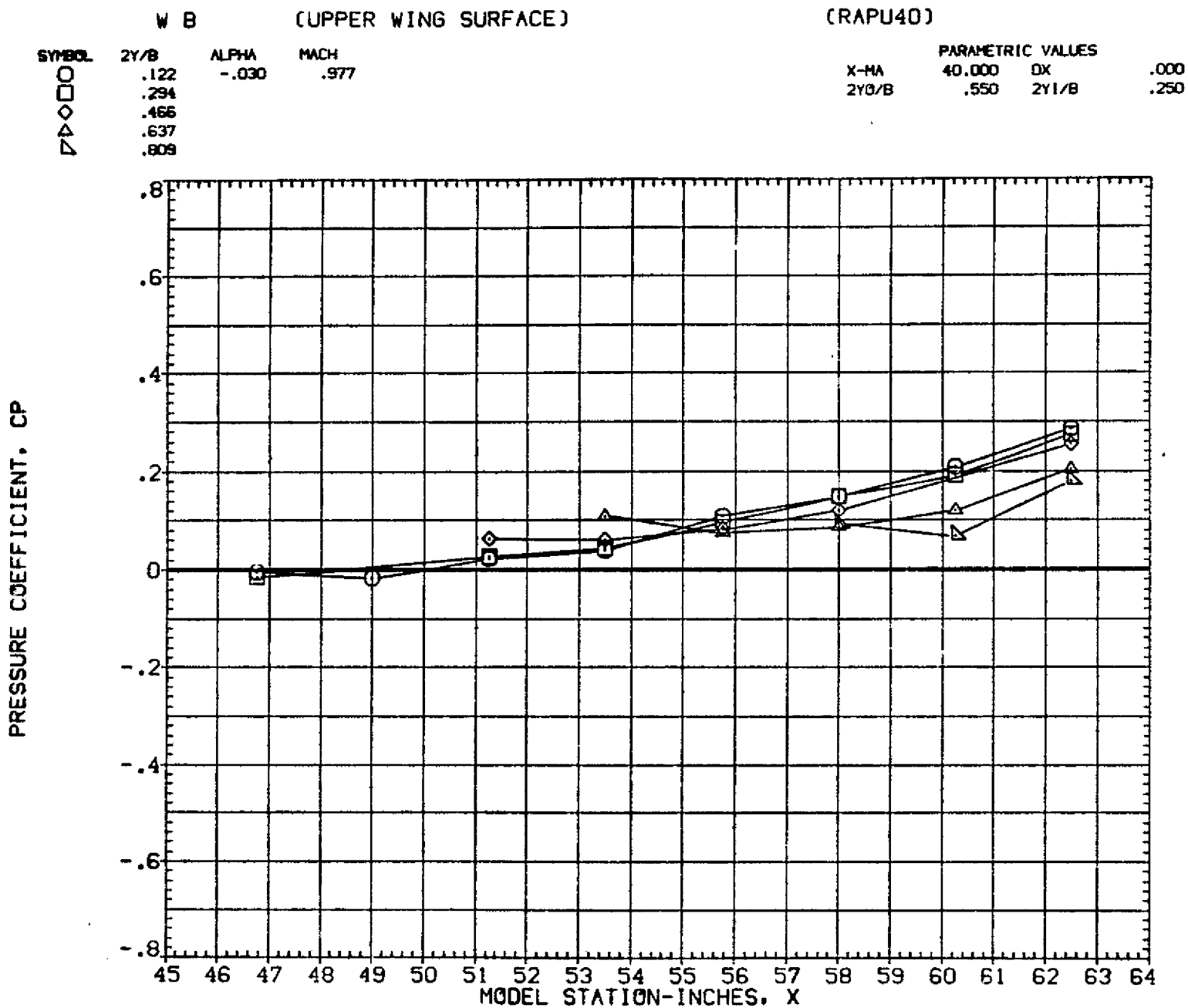


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.940	.978
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

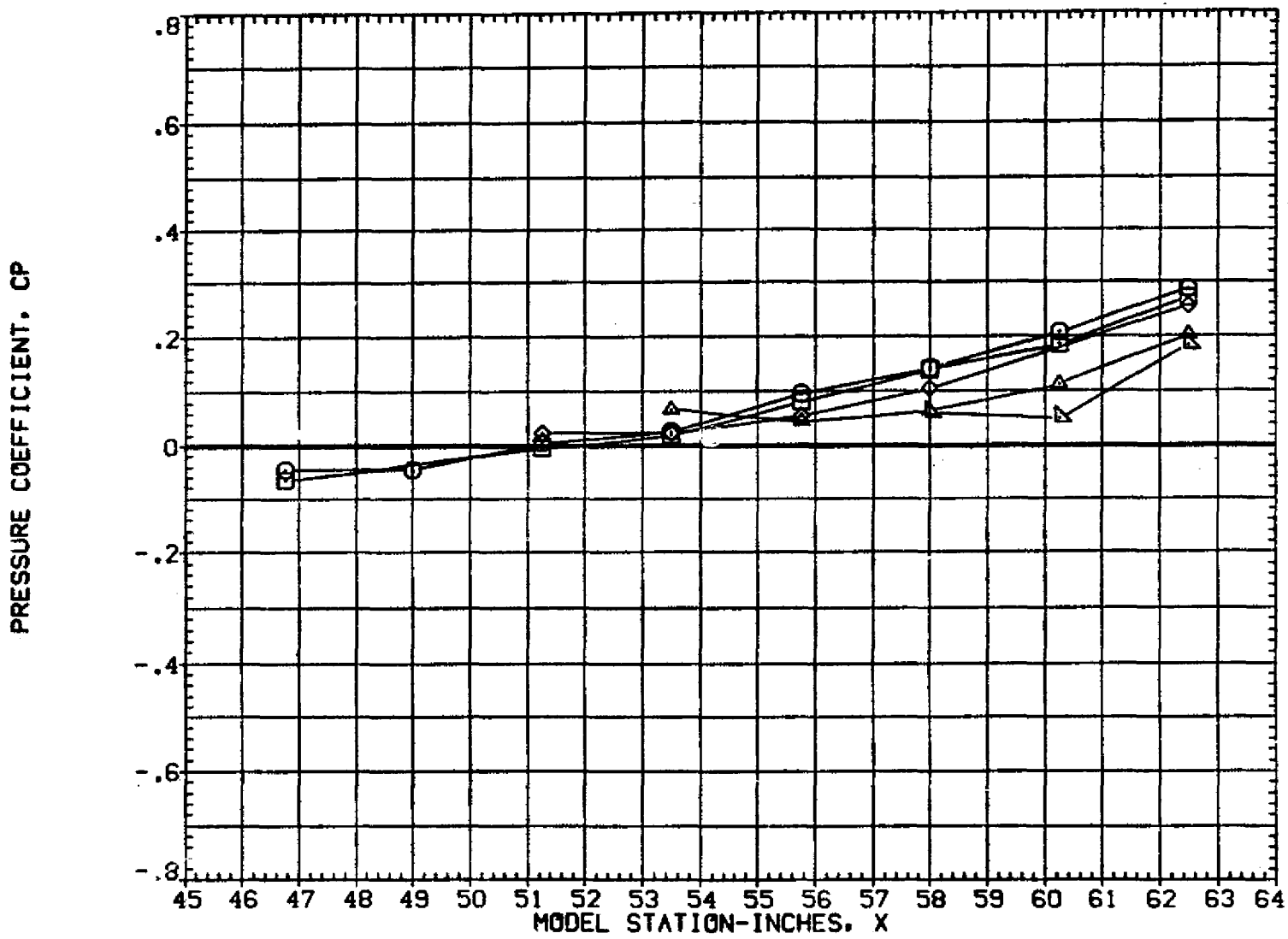


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

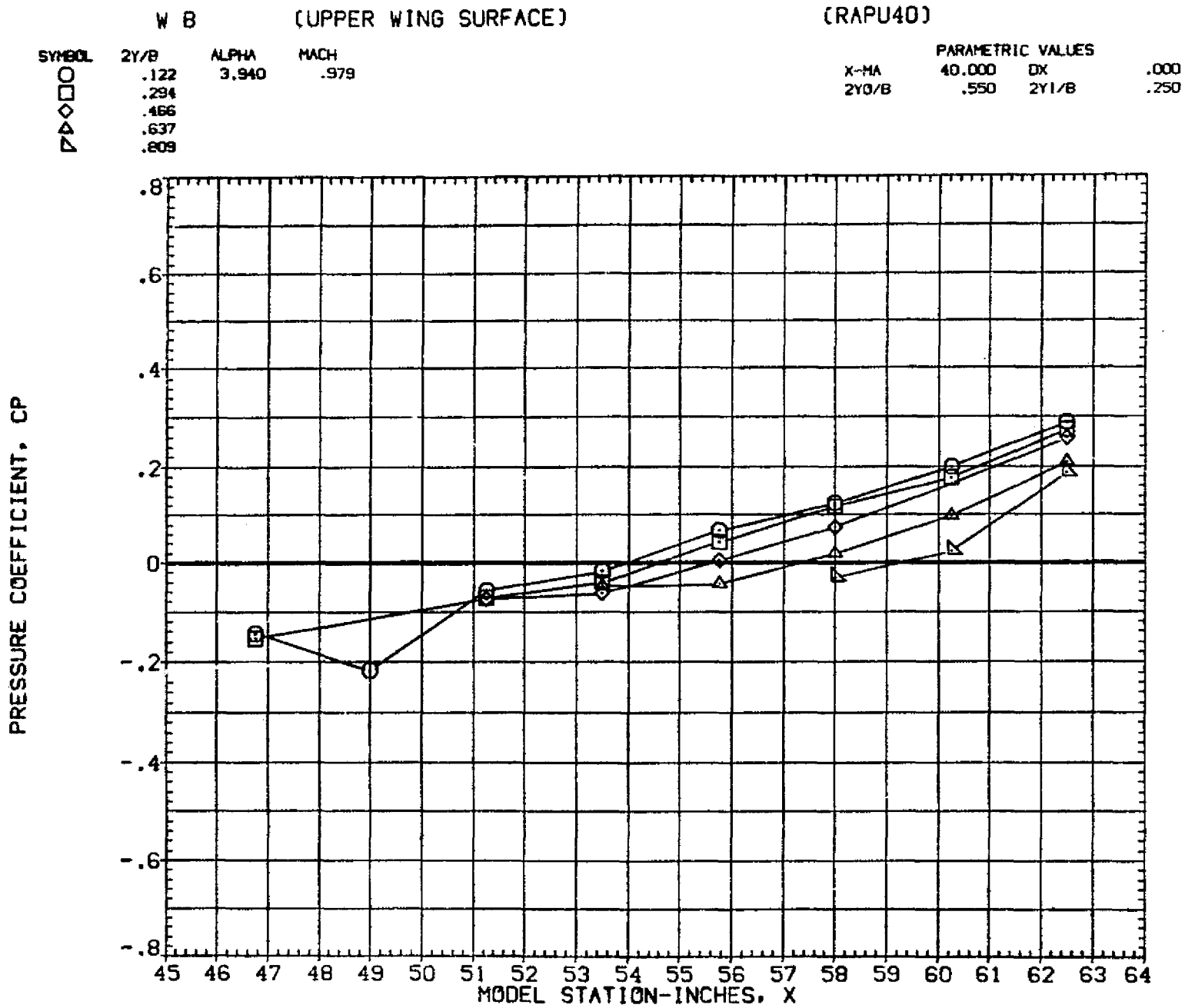


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.990	.981
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2YO/B	.550	2YI/B	.250

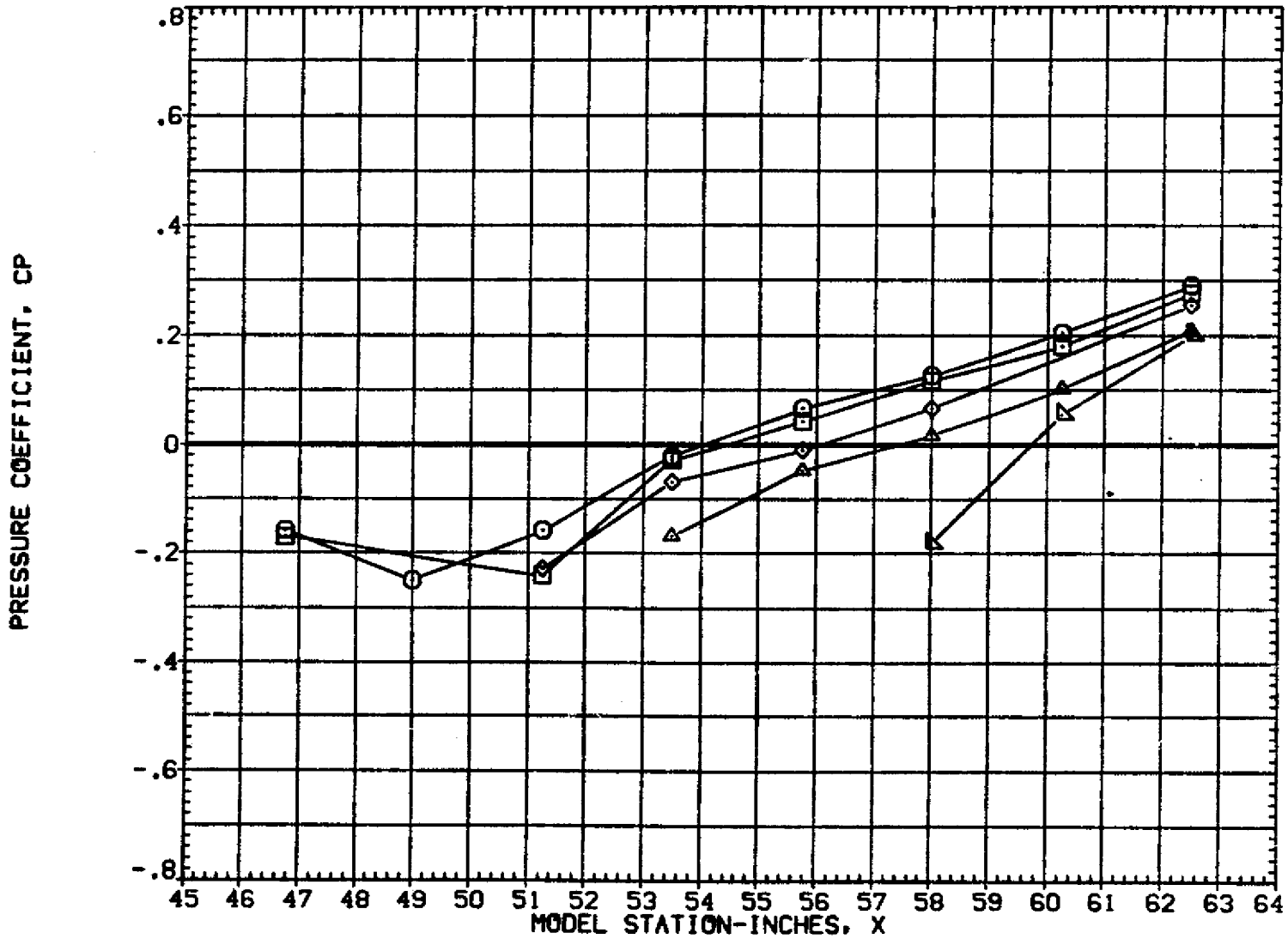


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

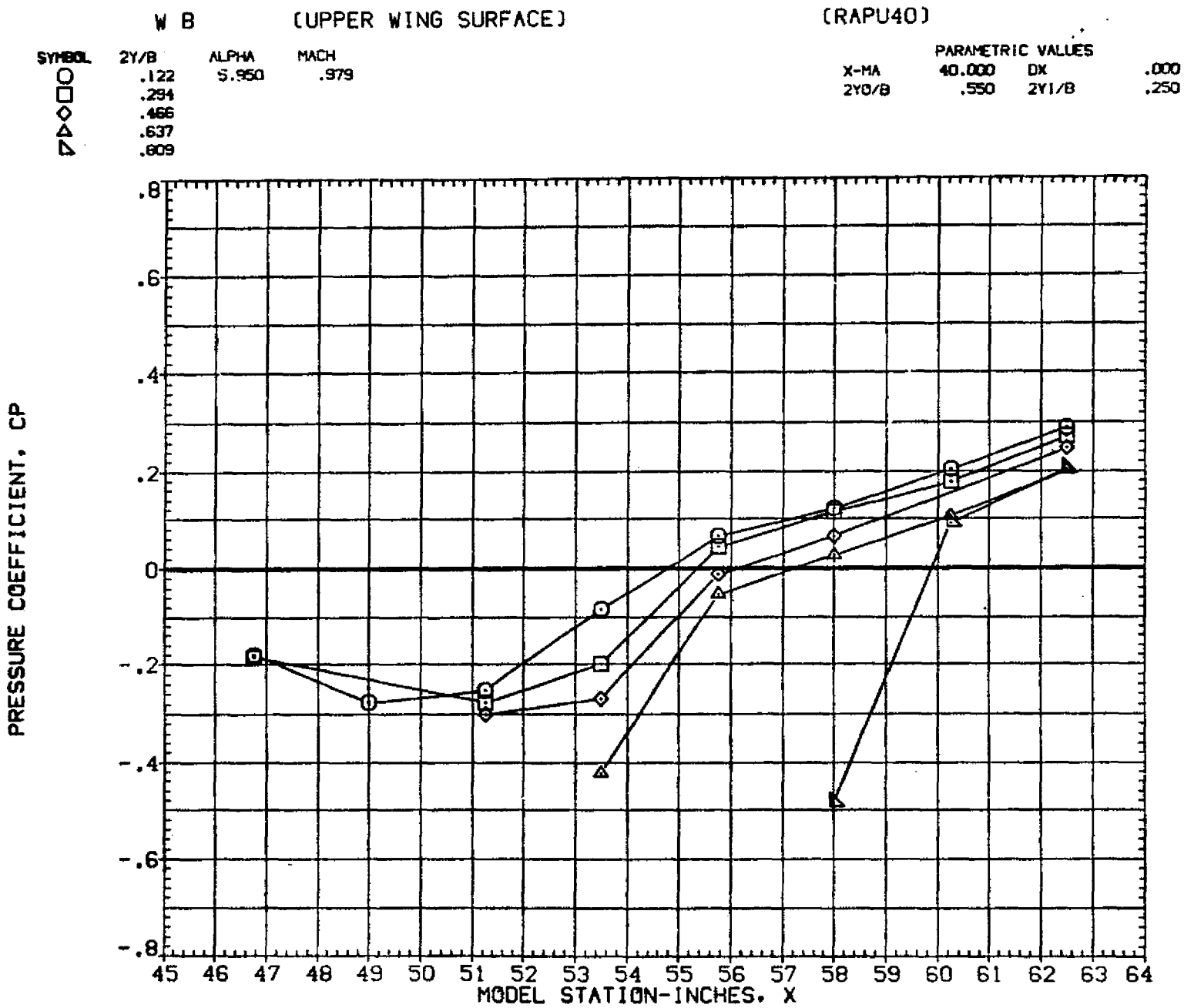


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	-.040	1.151
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

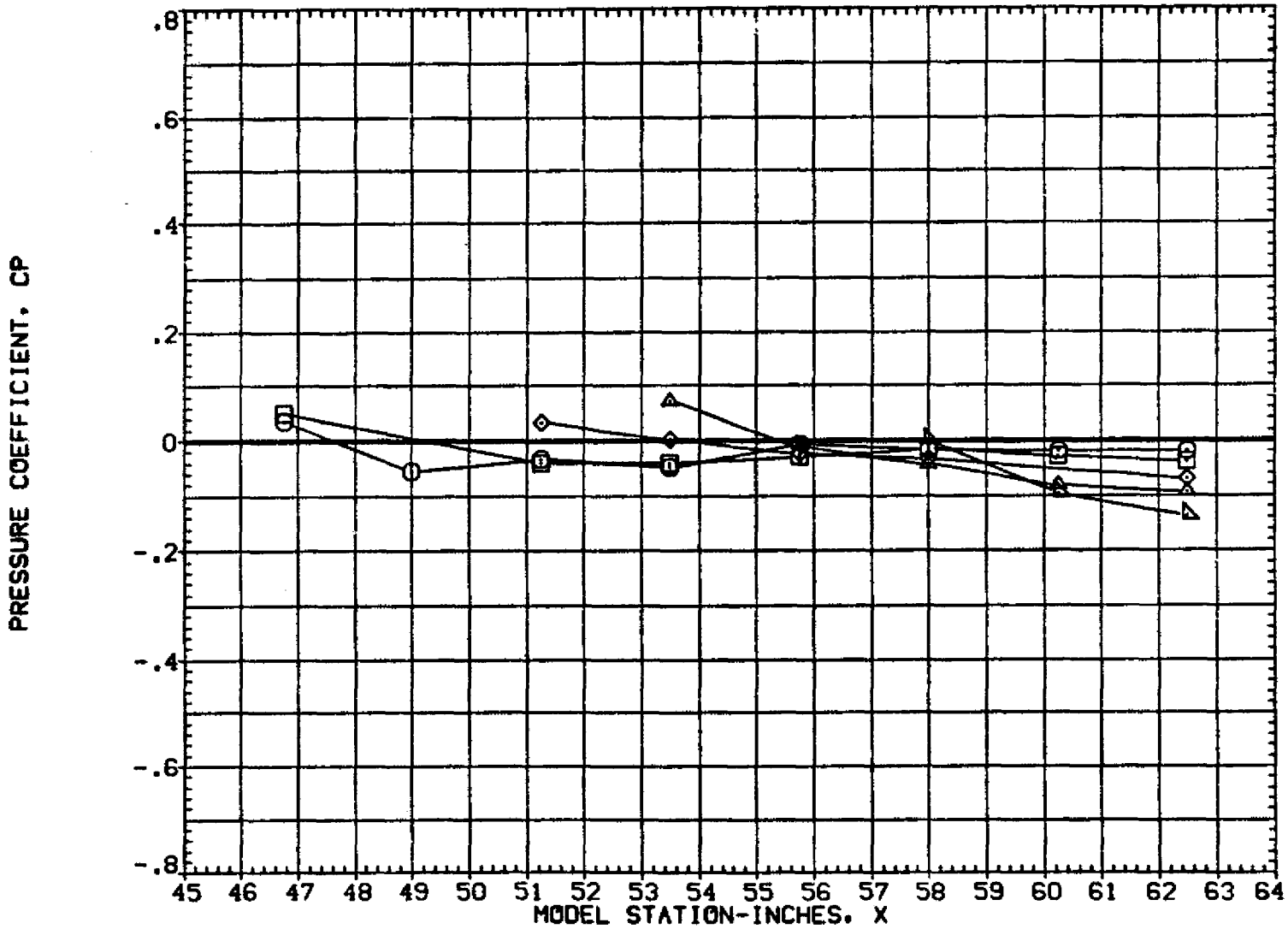


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.930	1.152
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

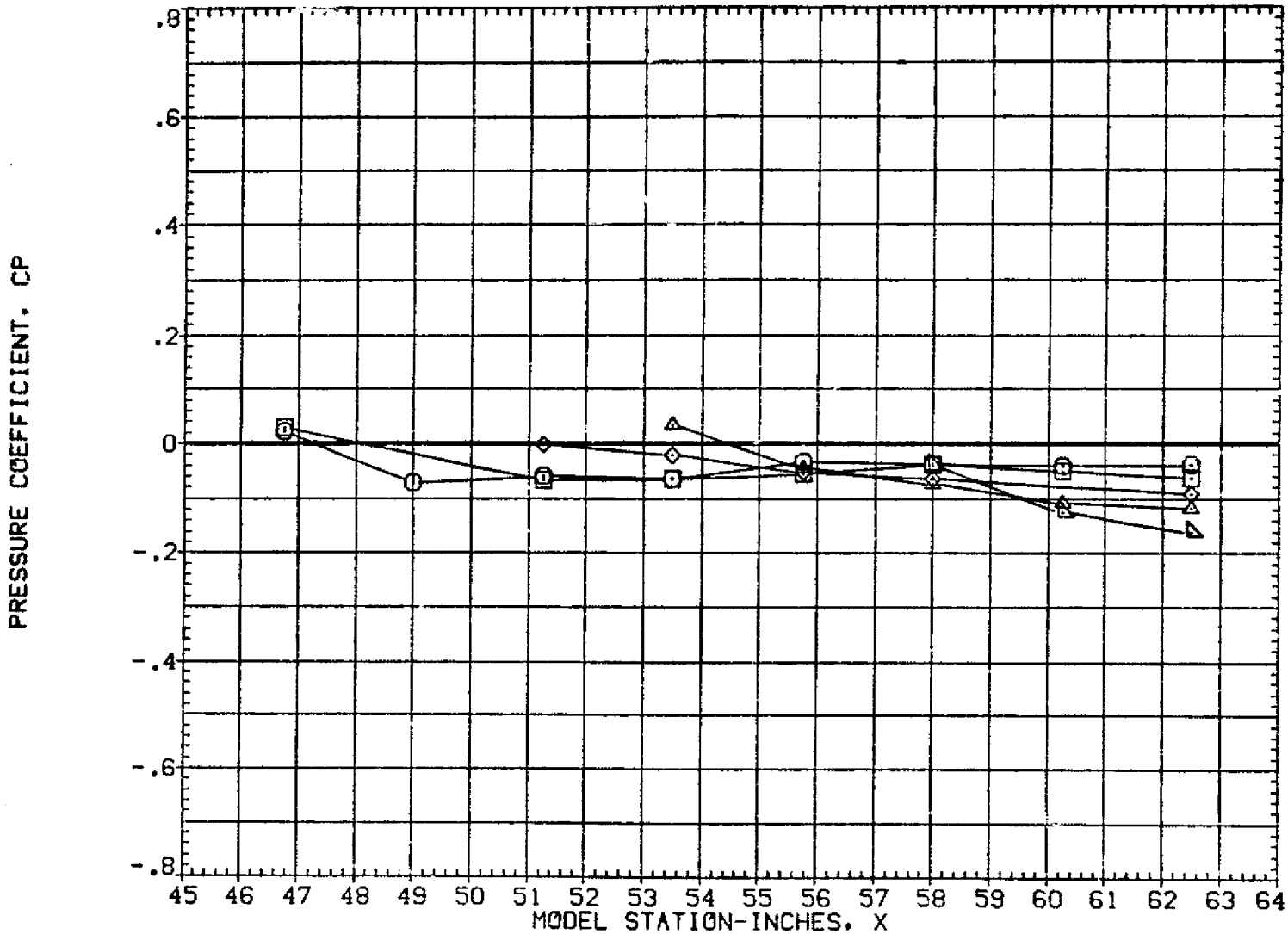


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	4.010	1.151
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

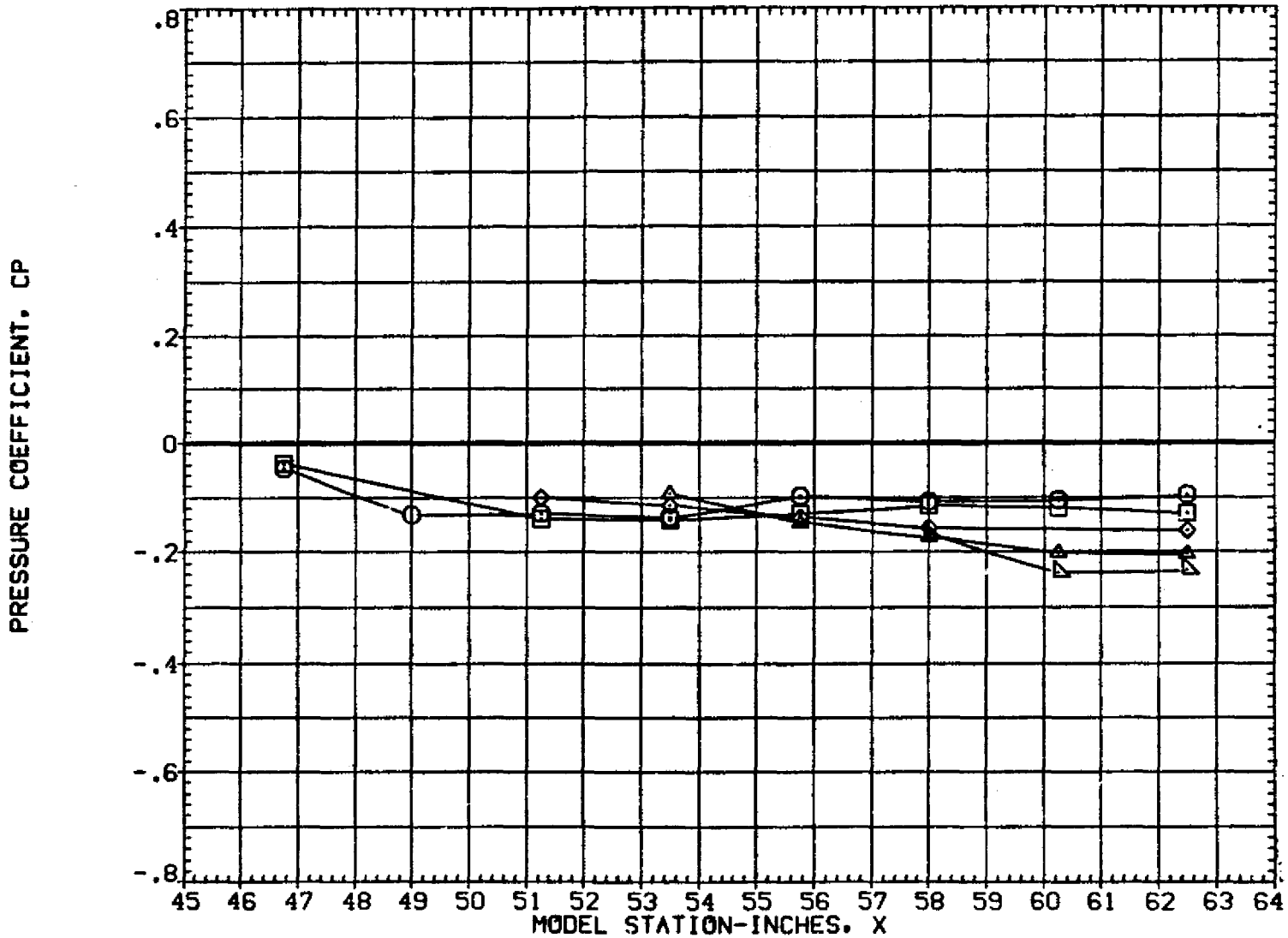


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	5.010	1.152
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

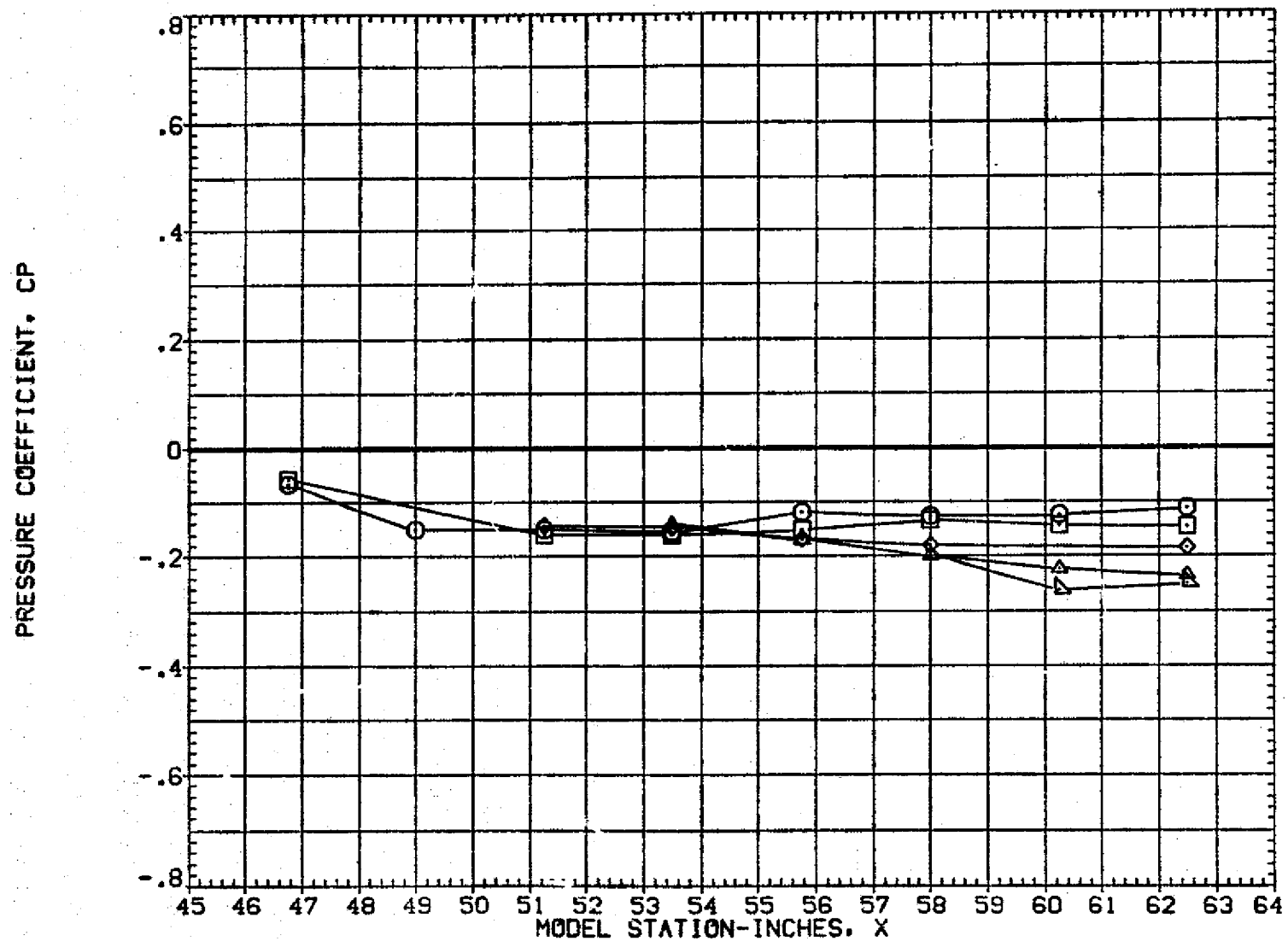


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

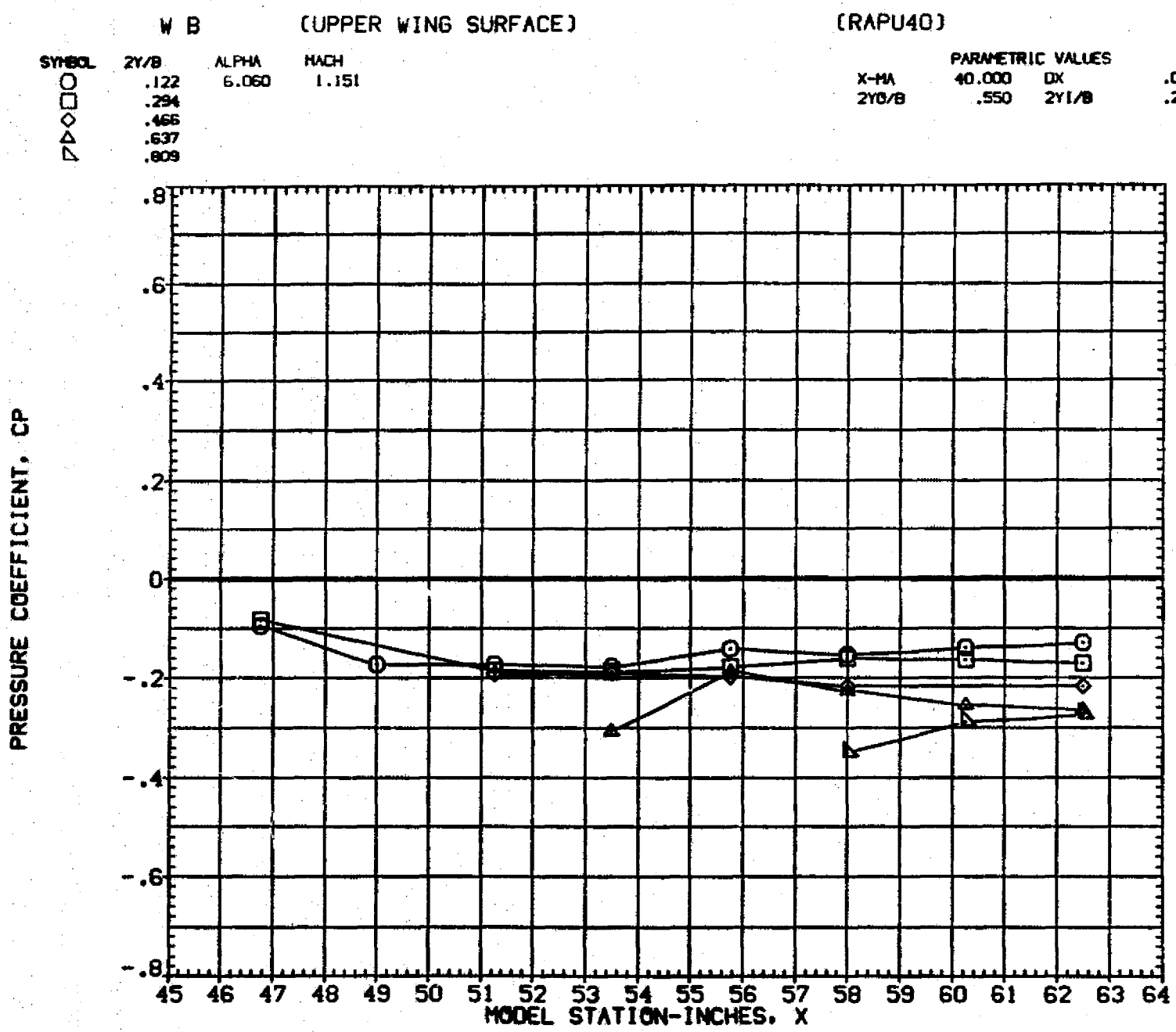


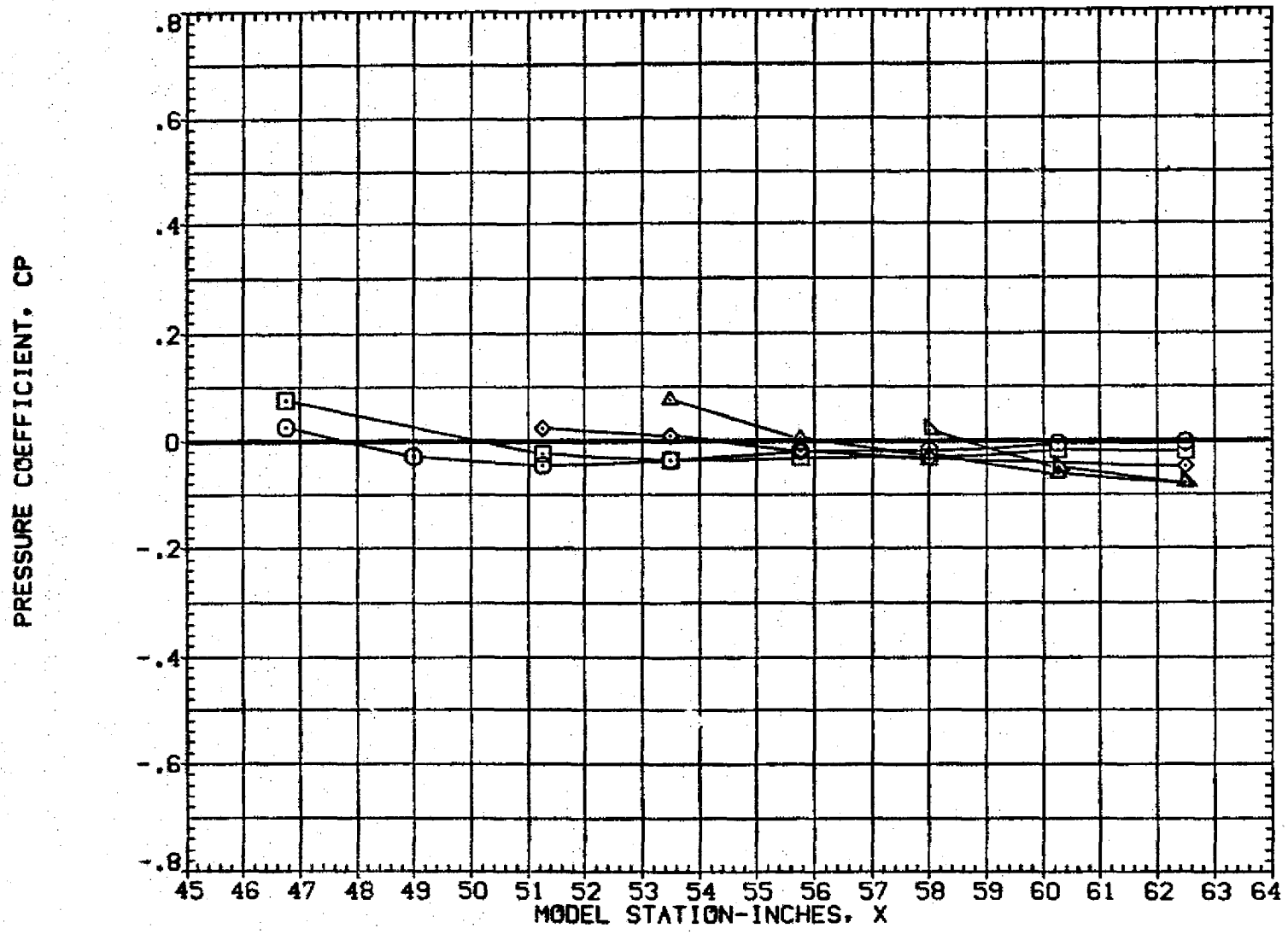
FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	.050	1.399
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250



WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (RAPU40)

SYMBOL	2Y/B	ALPHA	MACH
○	.122	1.010	1.398
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

X-MA	40.000	DX	.000
2Y0/B	.550	2Y1/B	.250

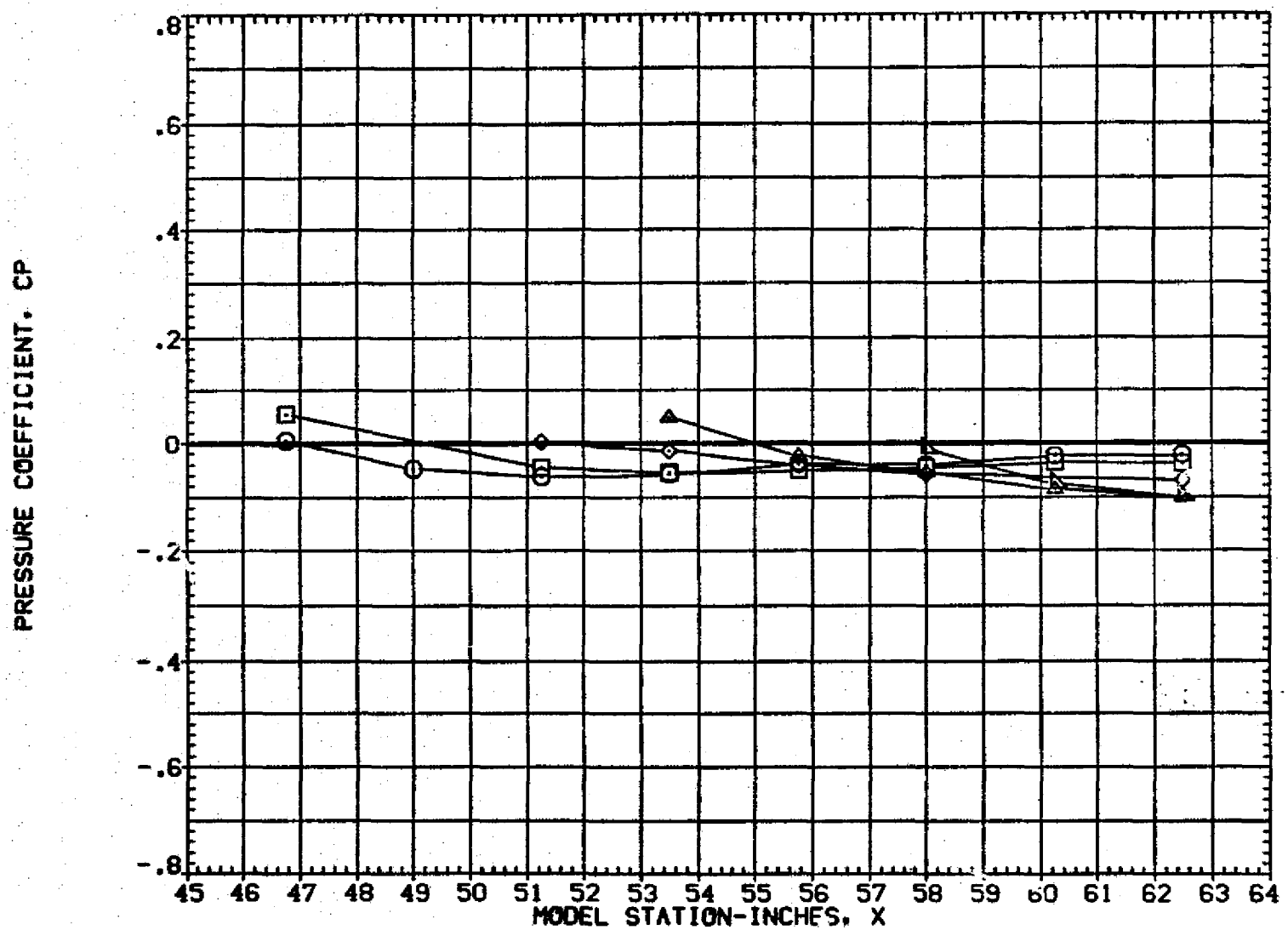


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

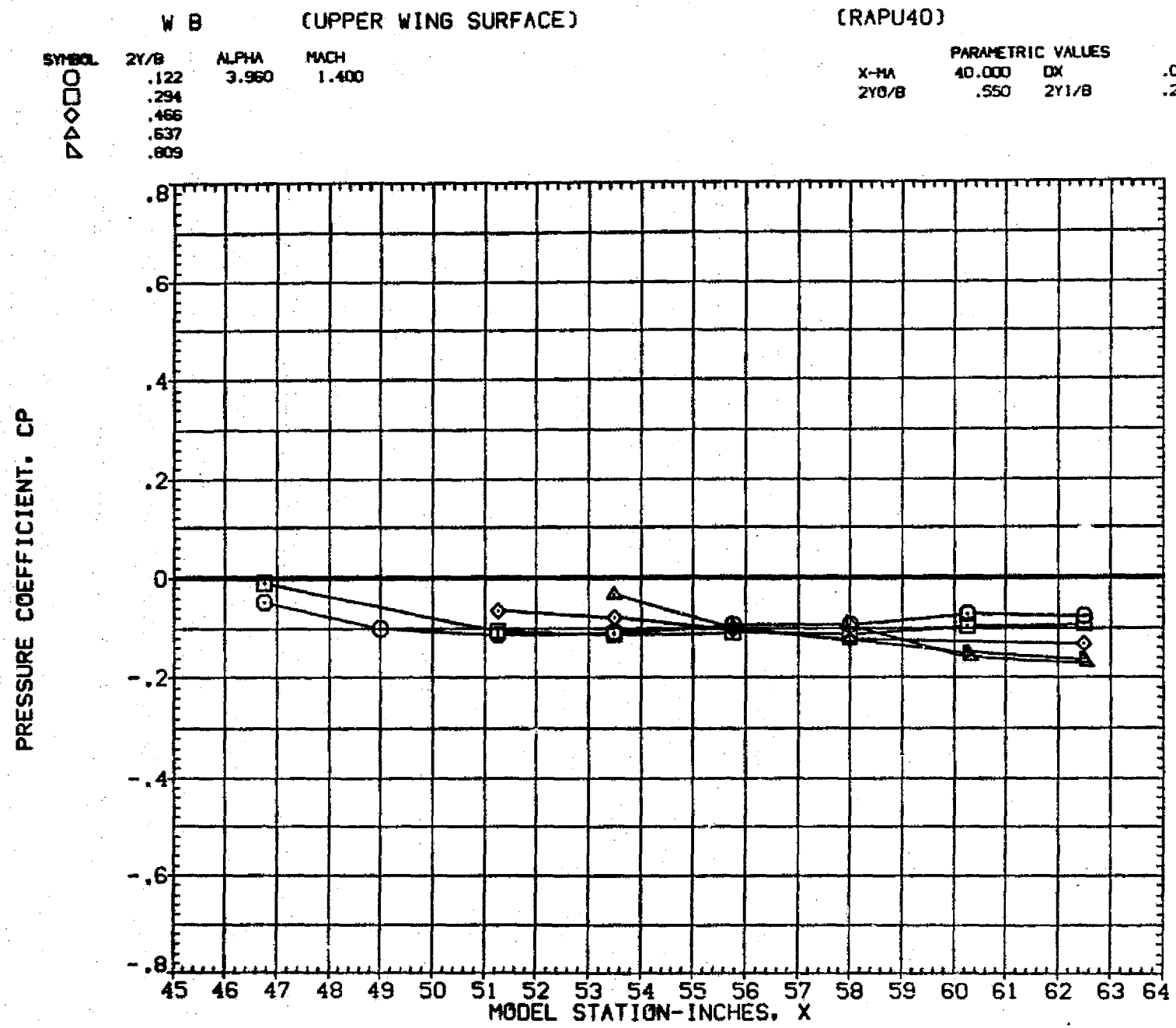


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

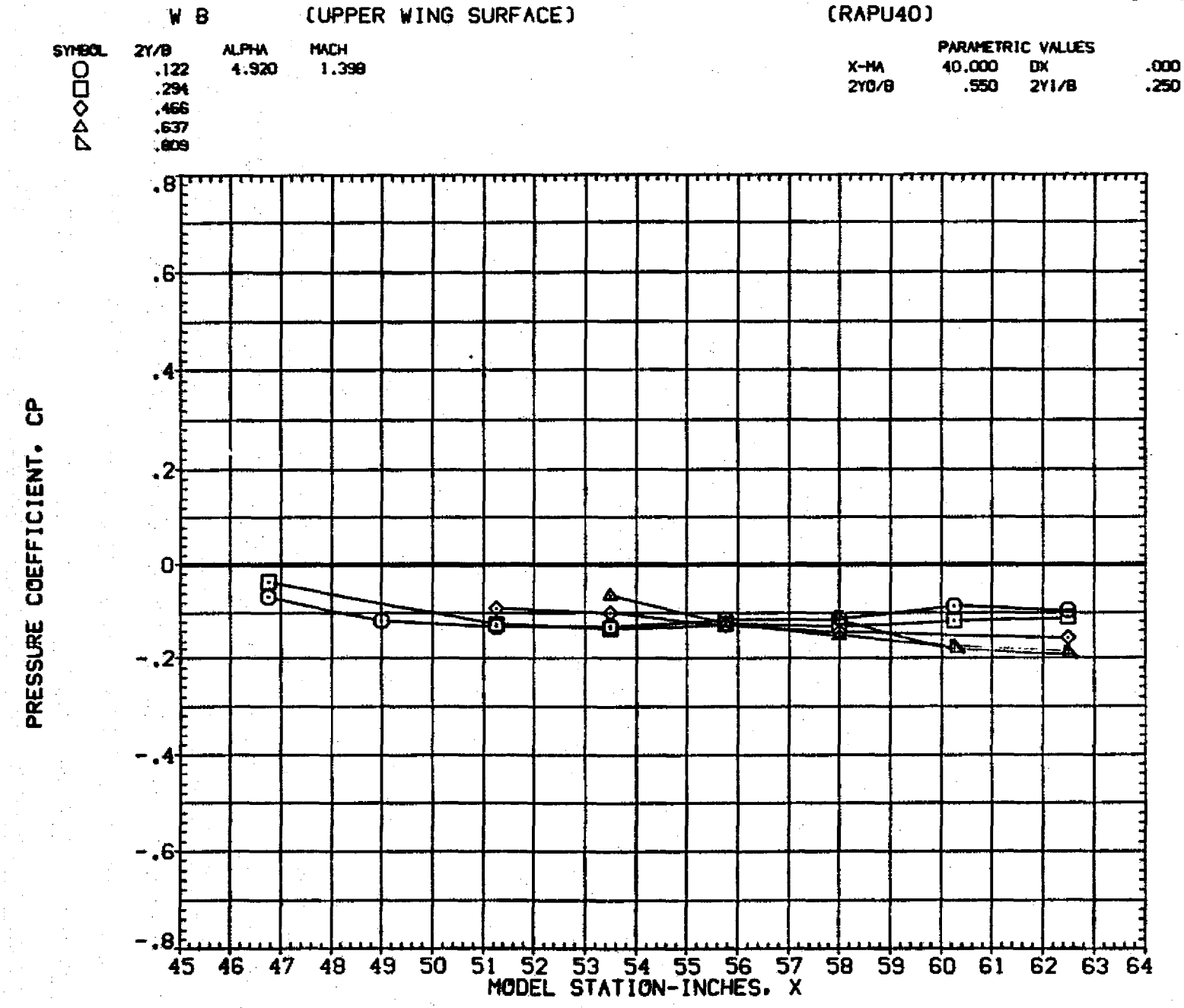


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

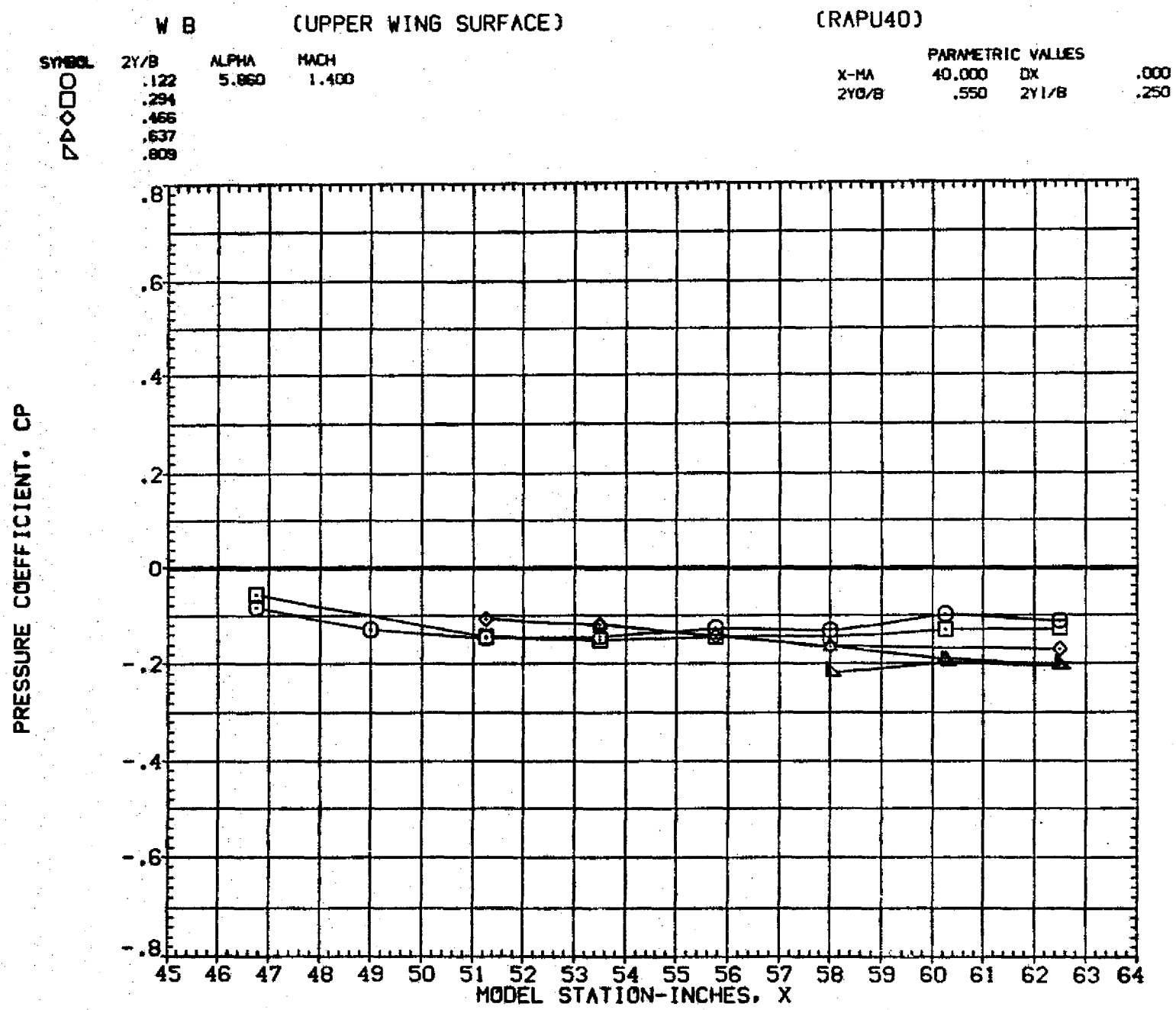


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

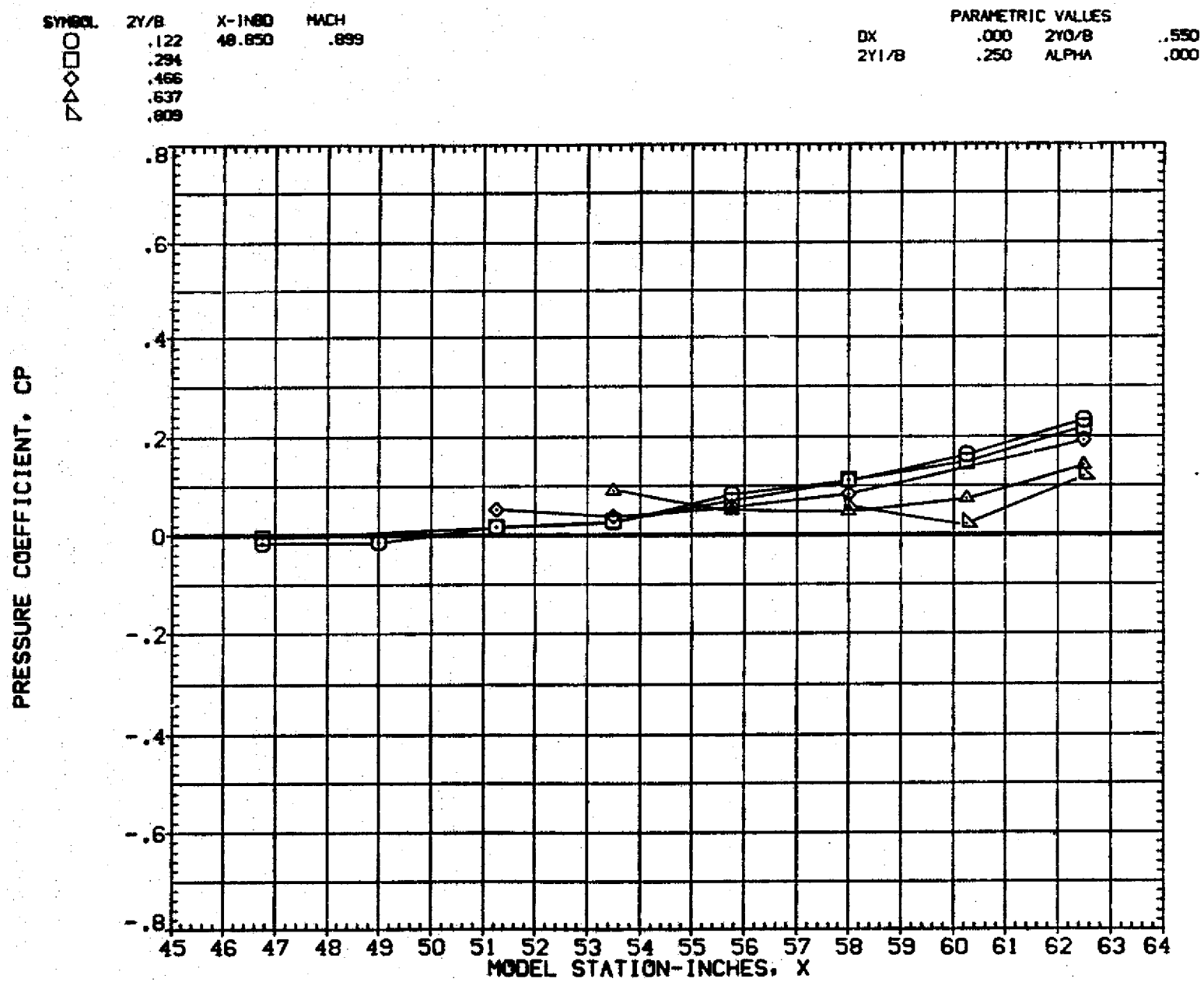


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

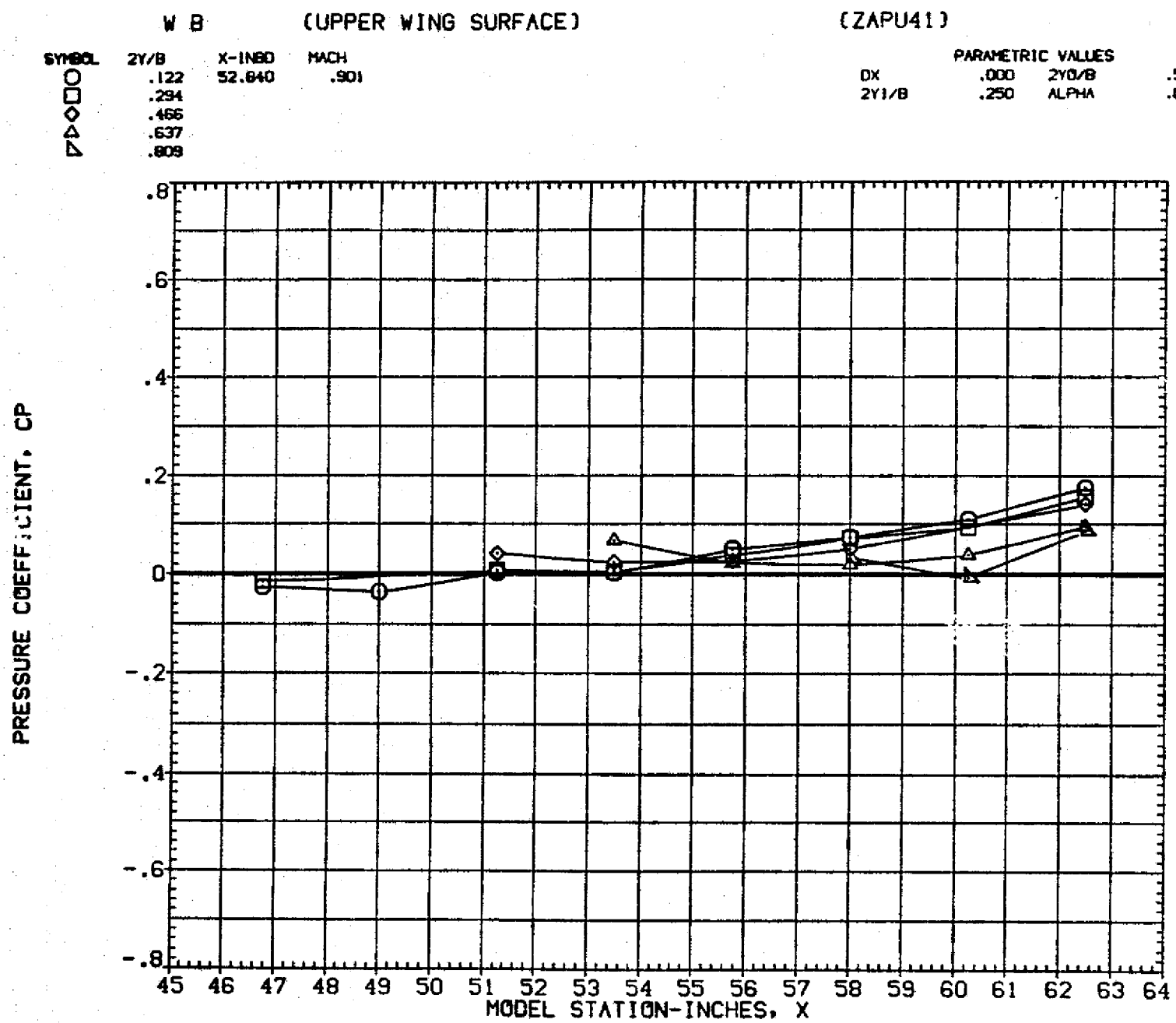


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

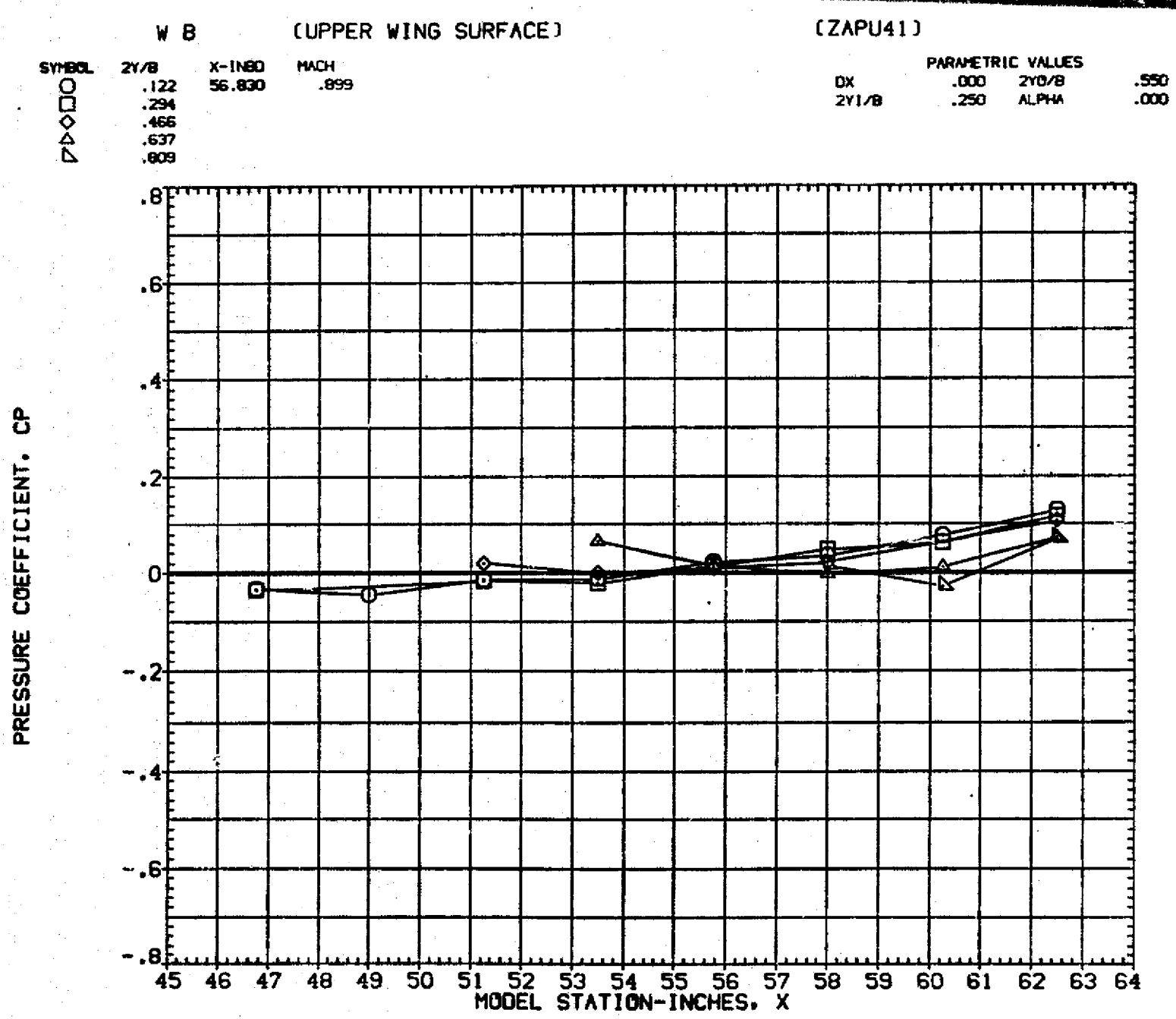


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

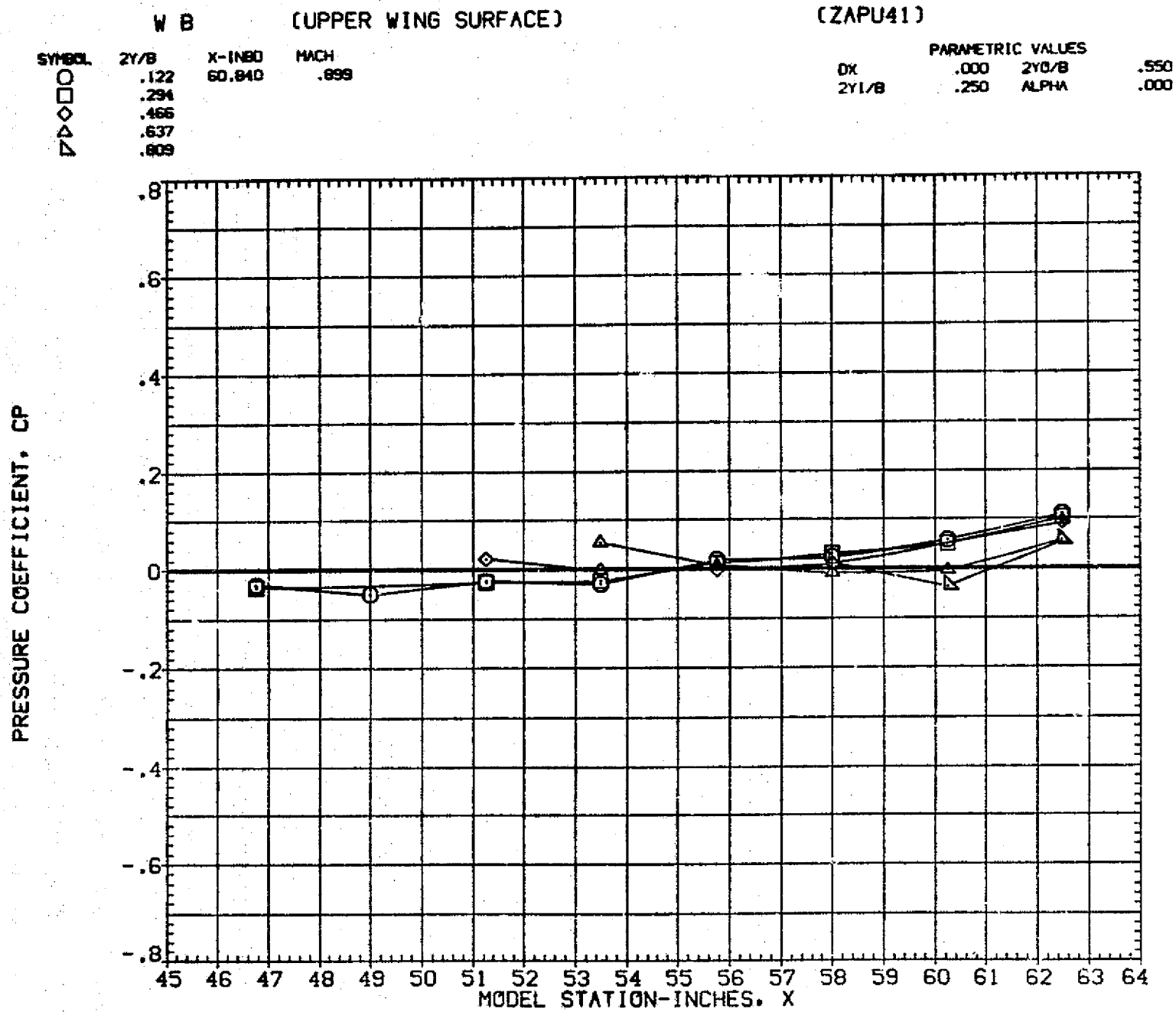


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	48.850	.979
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

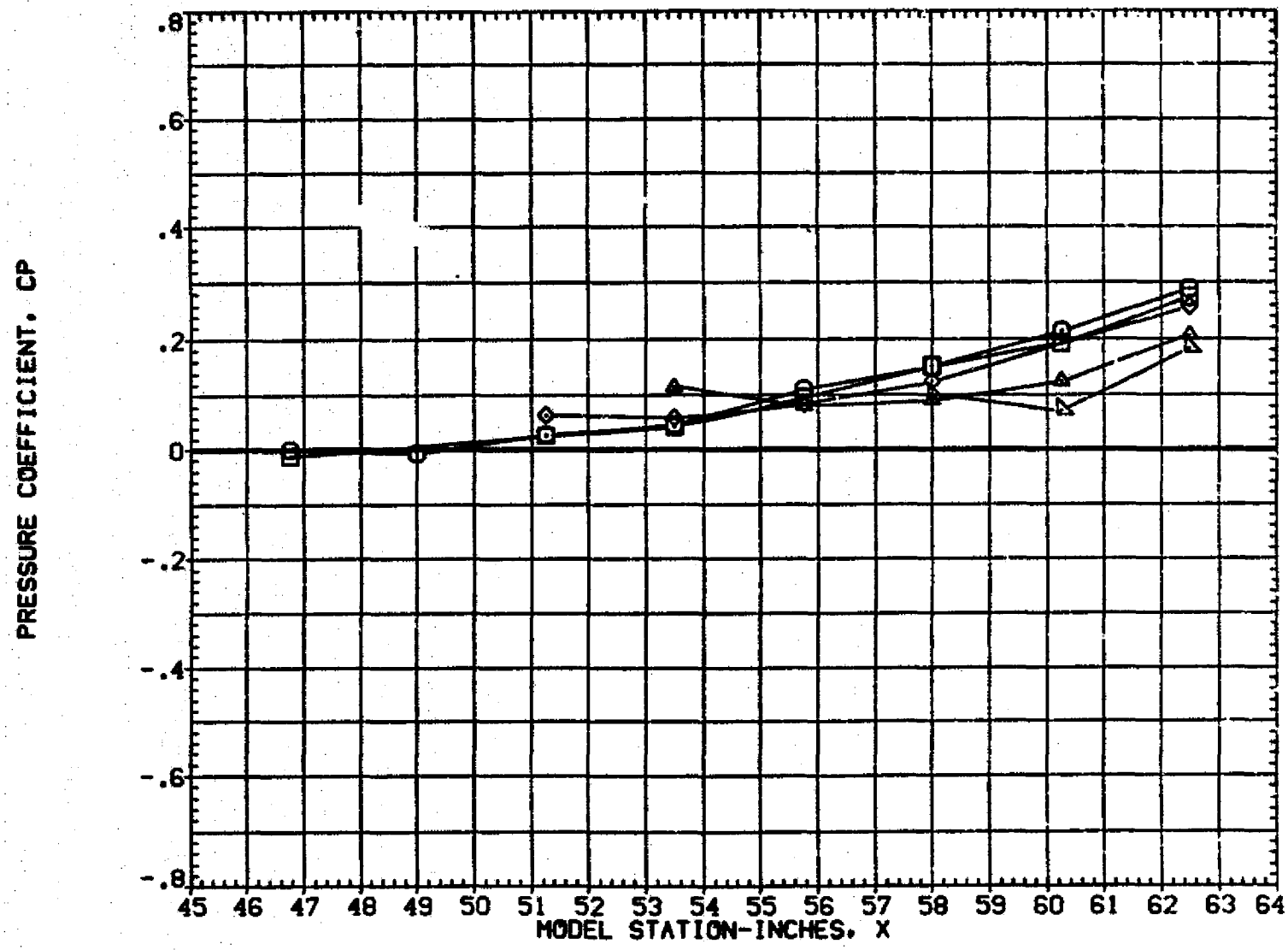


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

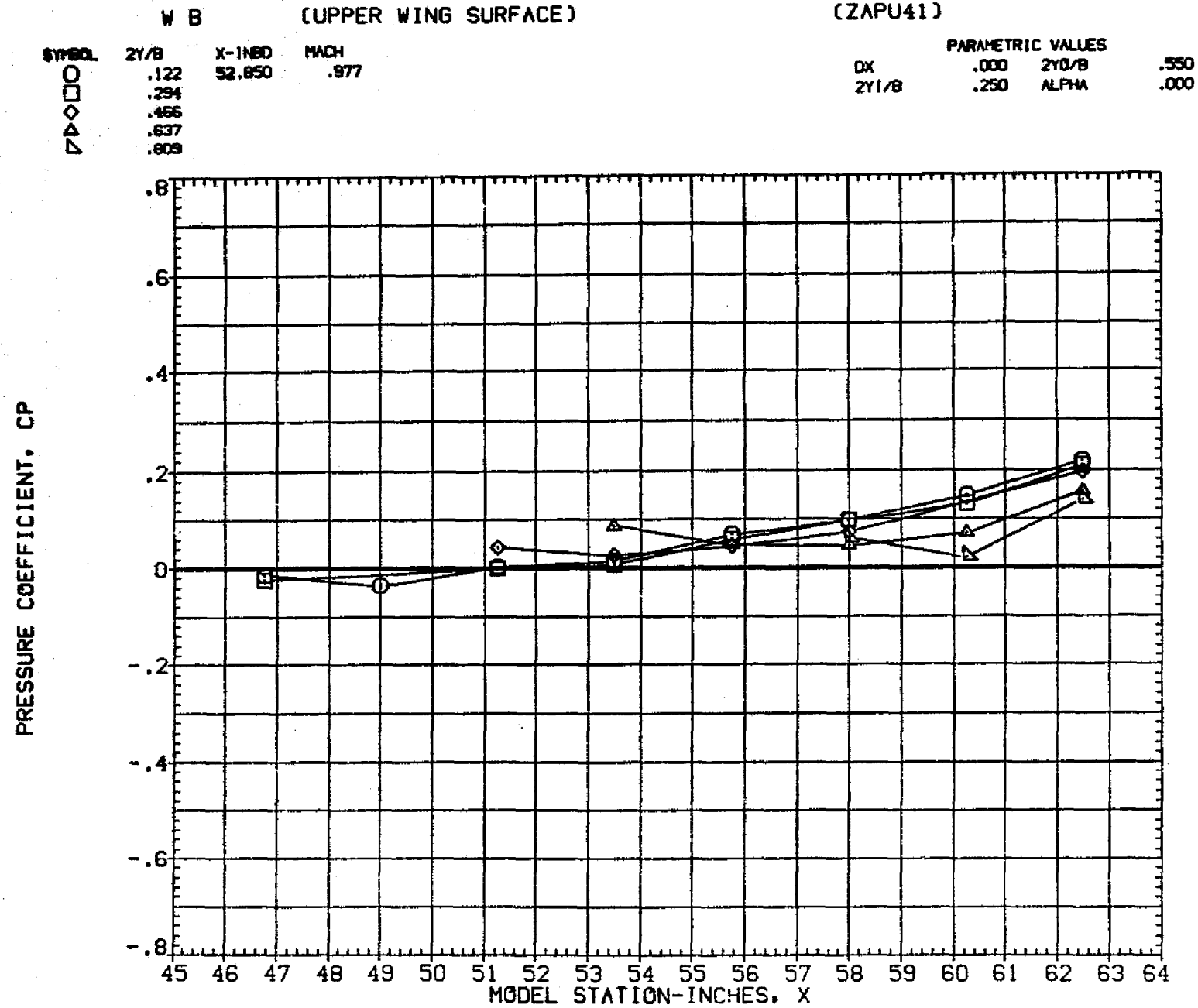


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.830	.979
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

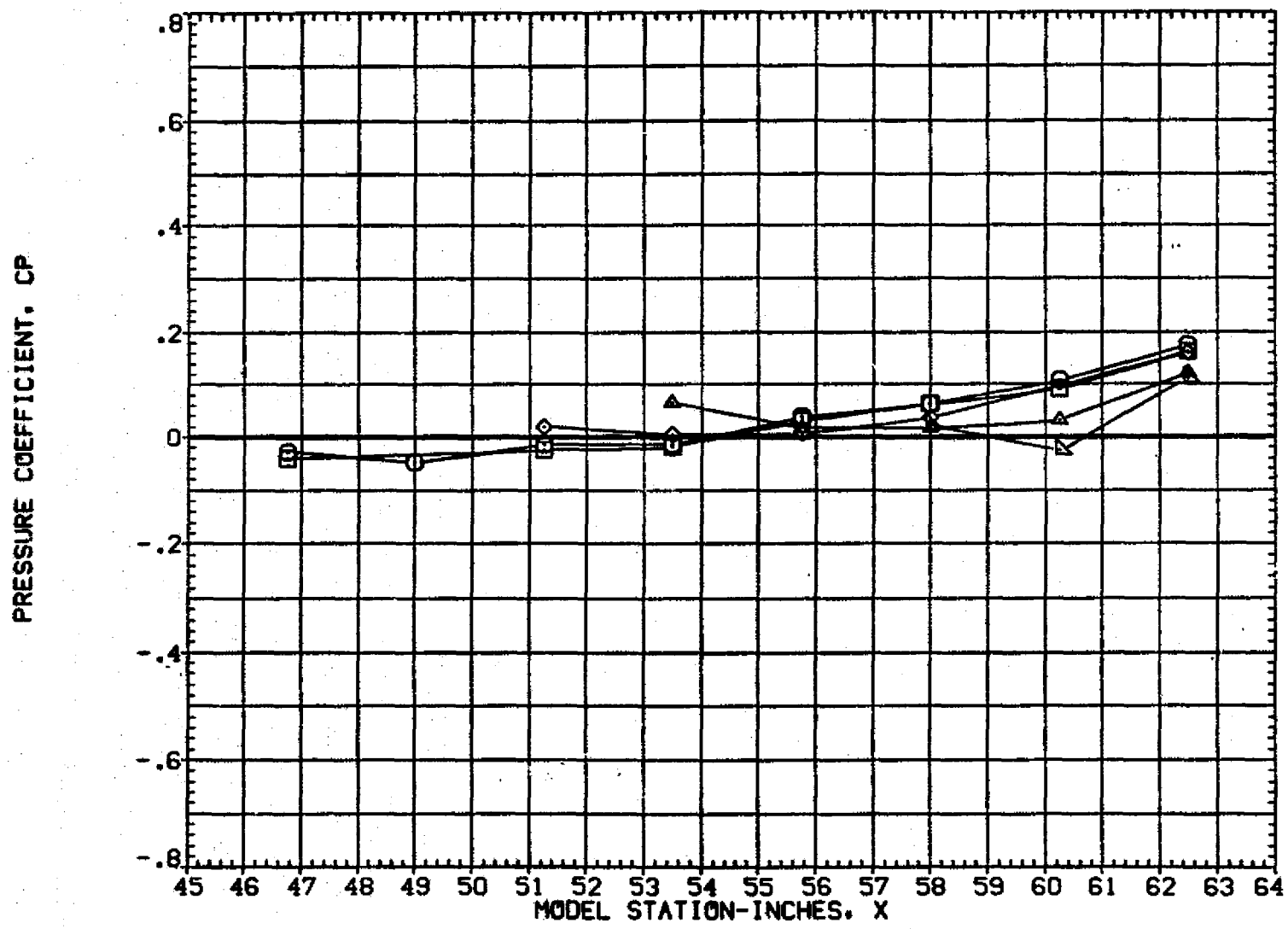


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

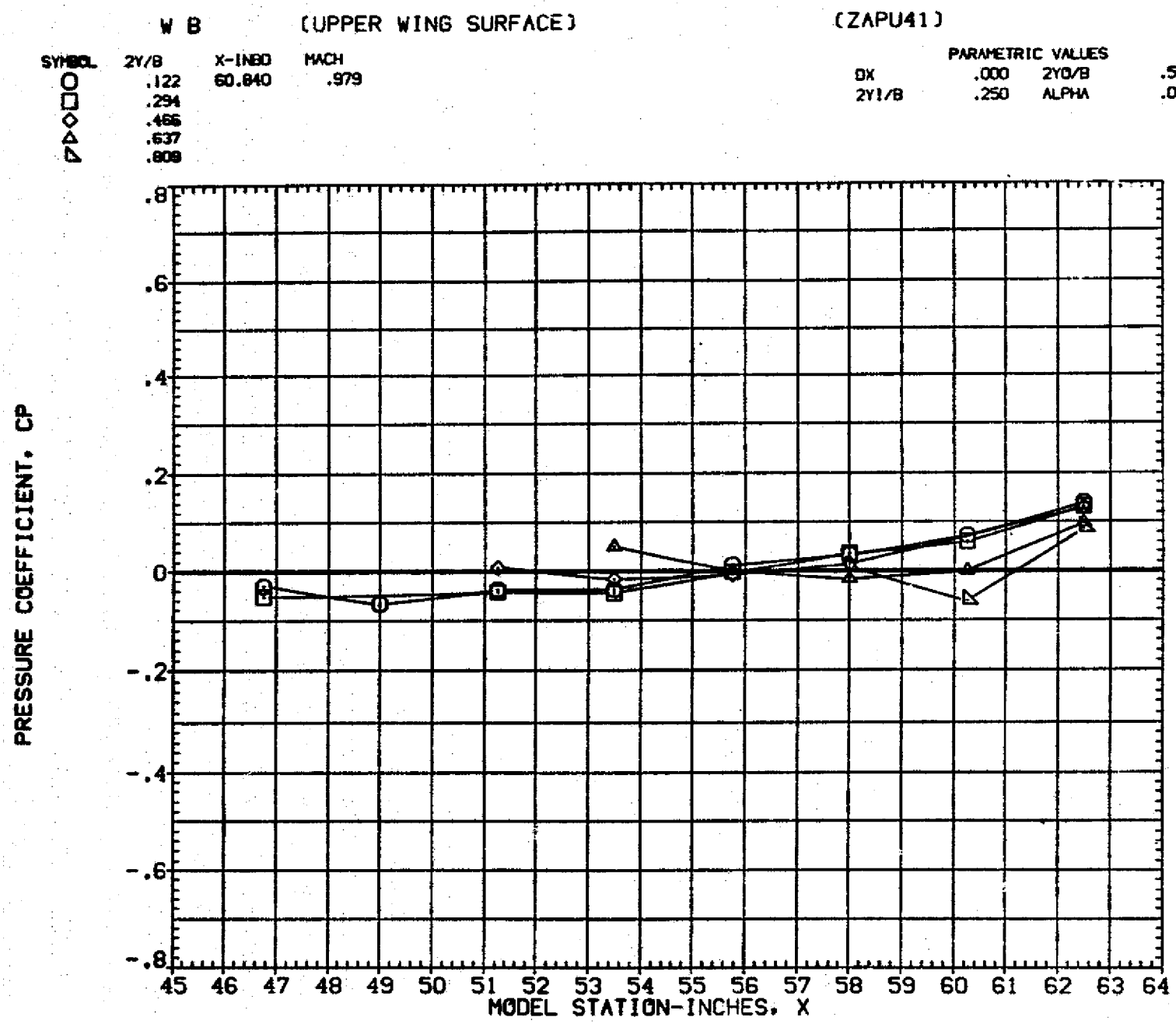


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	48.860	1.100
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

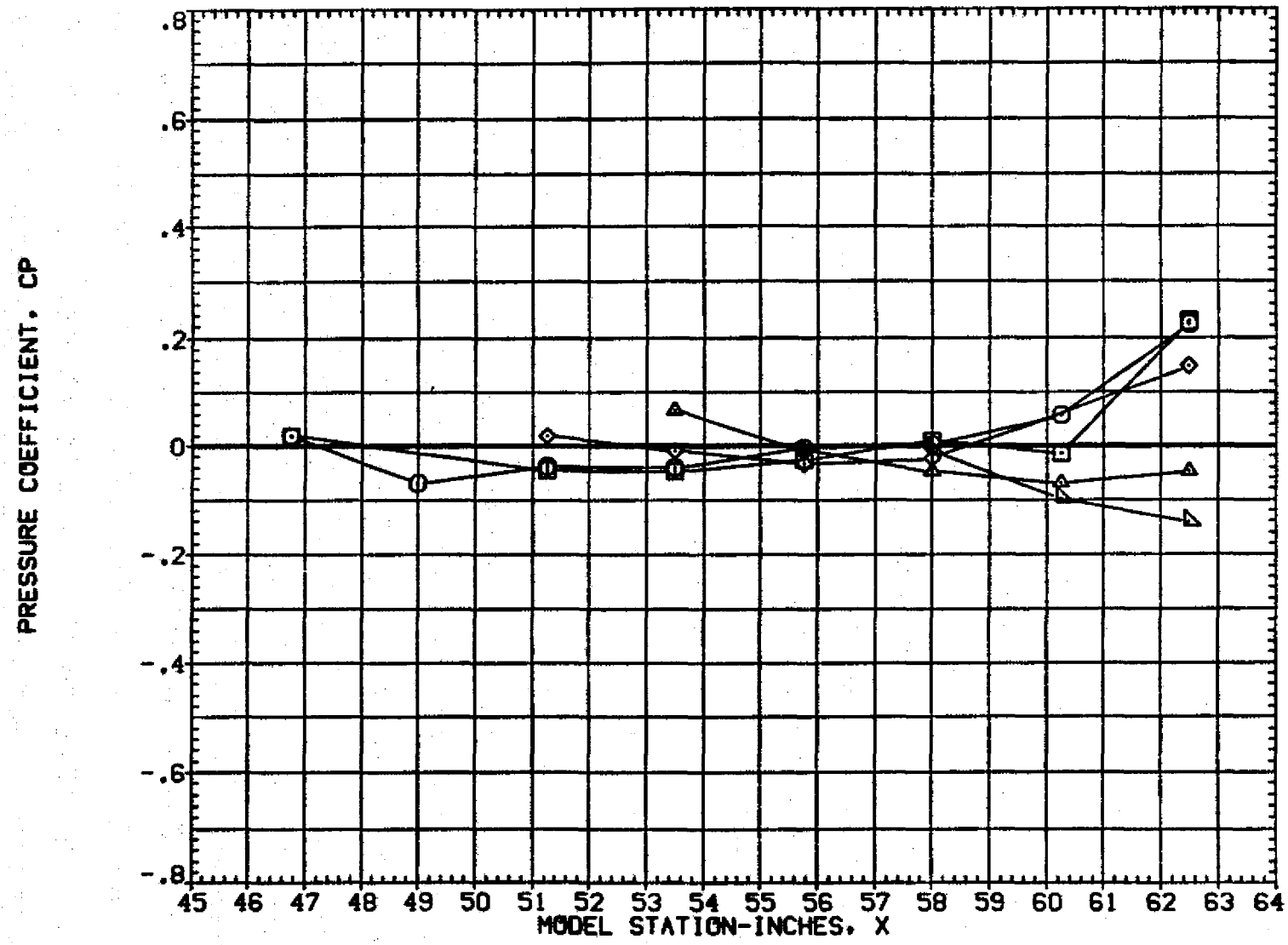


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

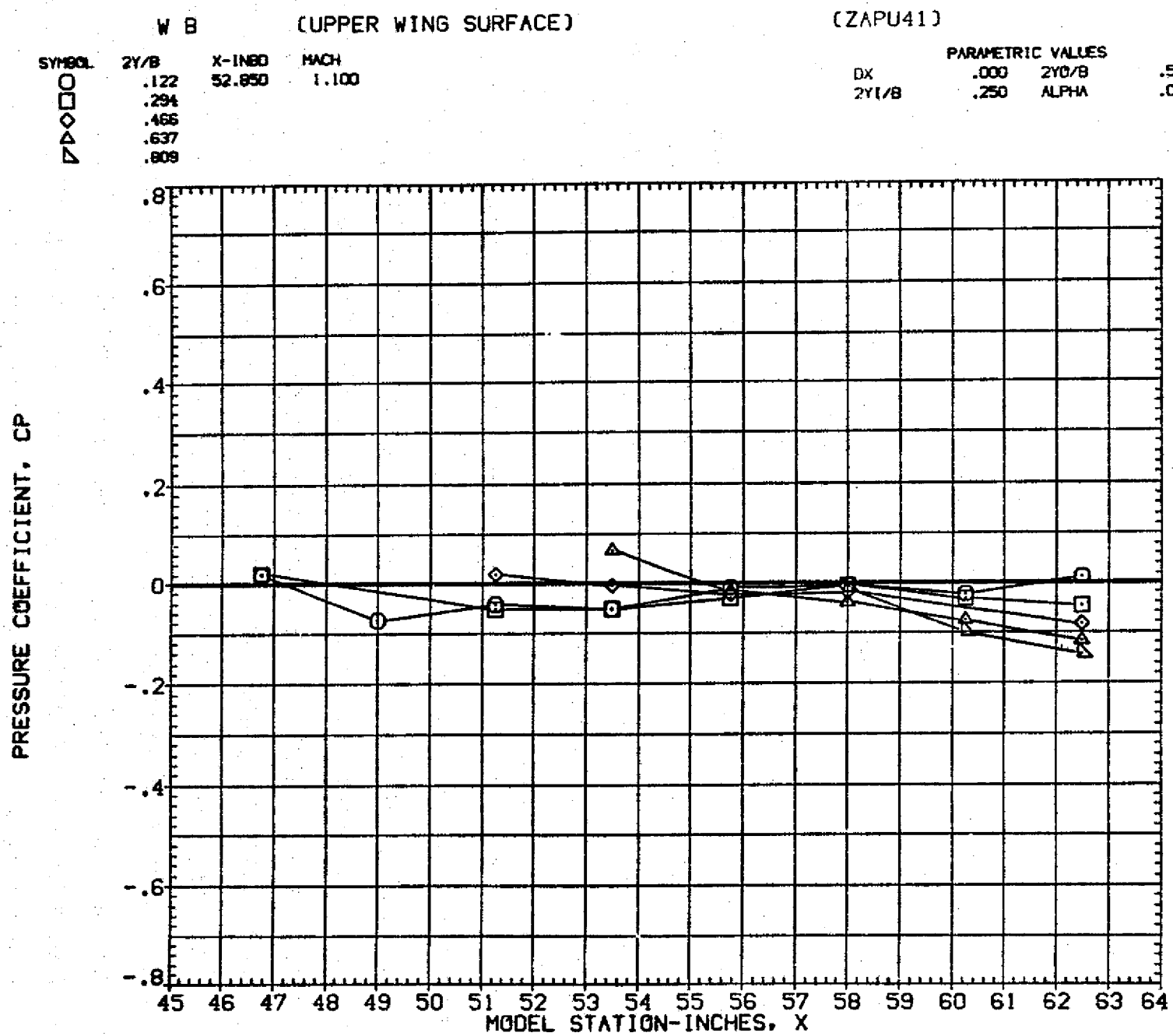


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.840	1.100
□	.294		
◇	.466		
△	.637		
◸	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

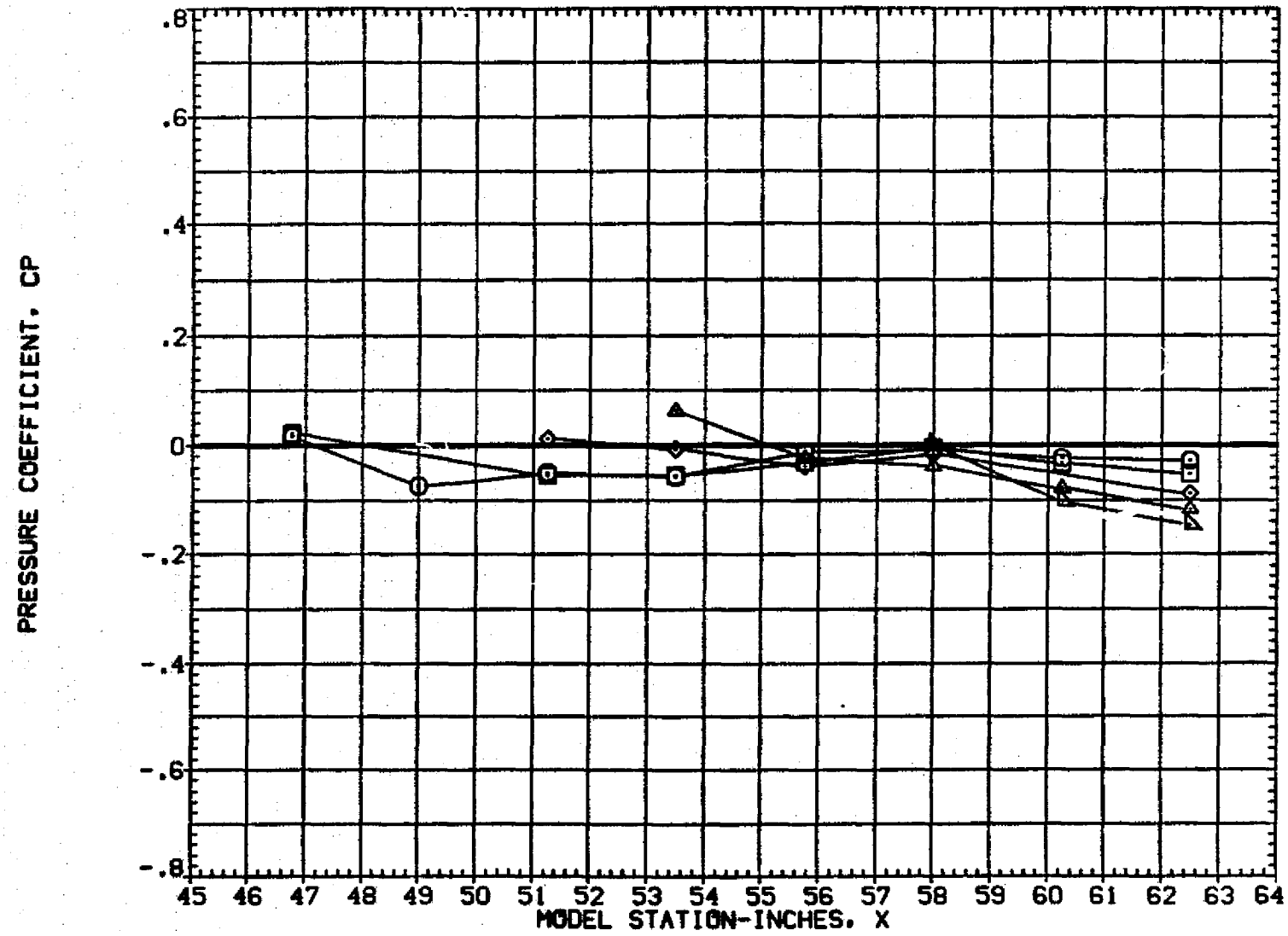


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

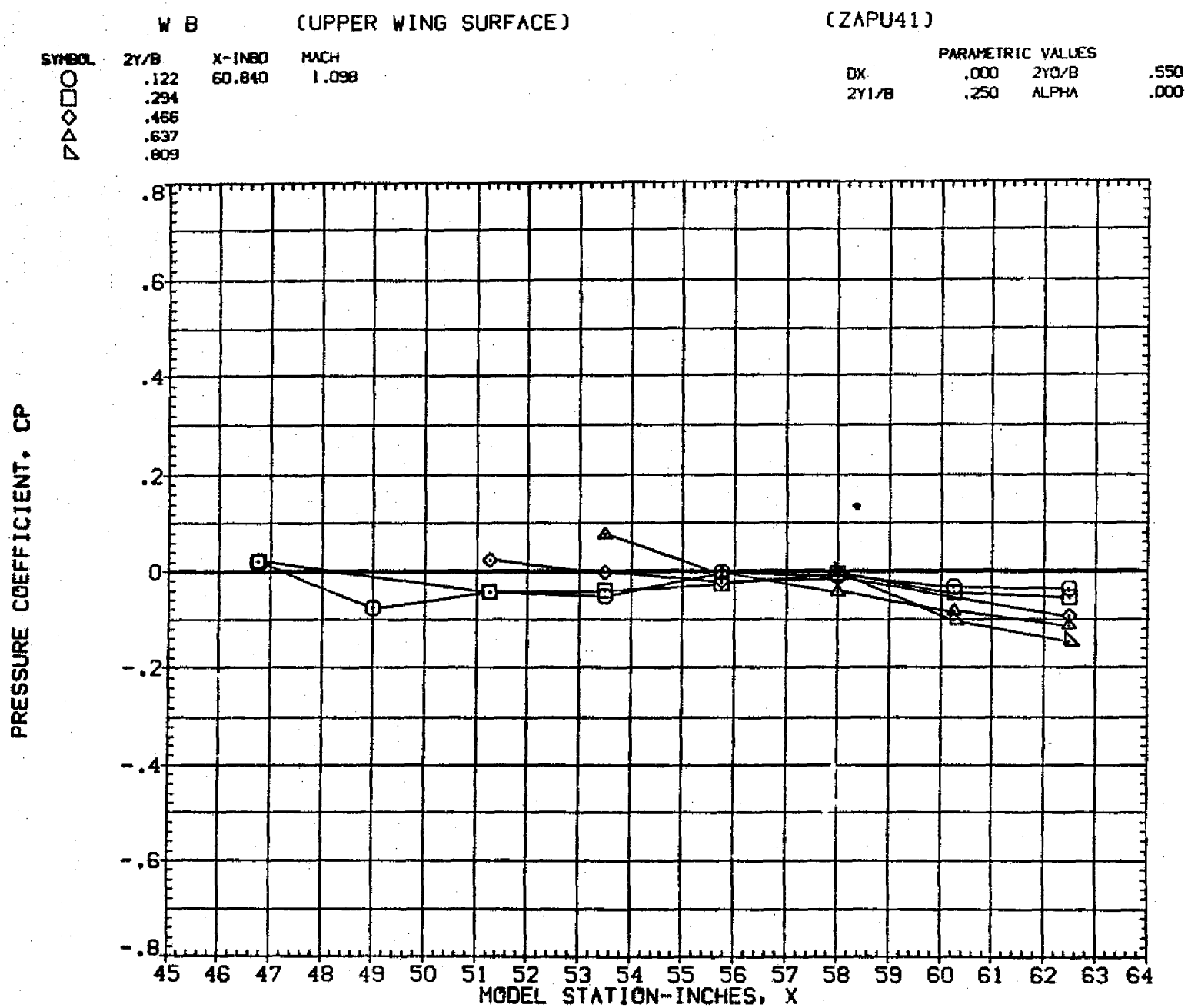


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	48.860	1.152
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

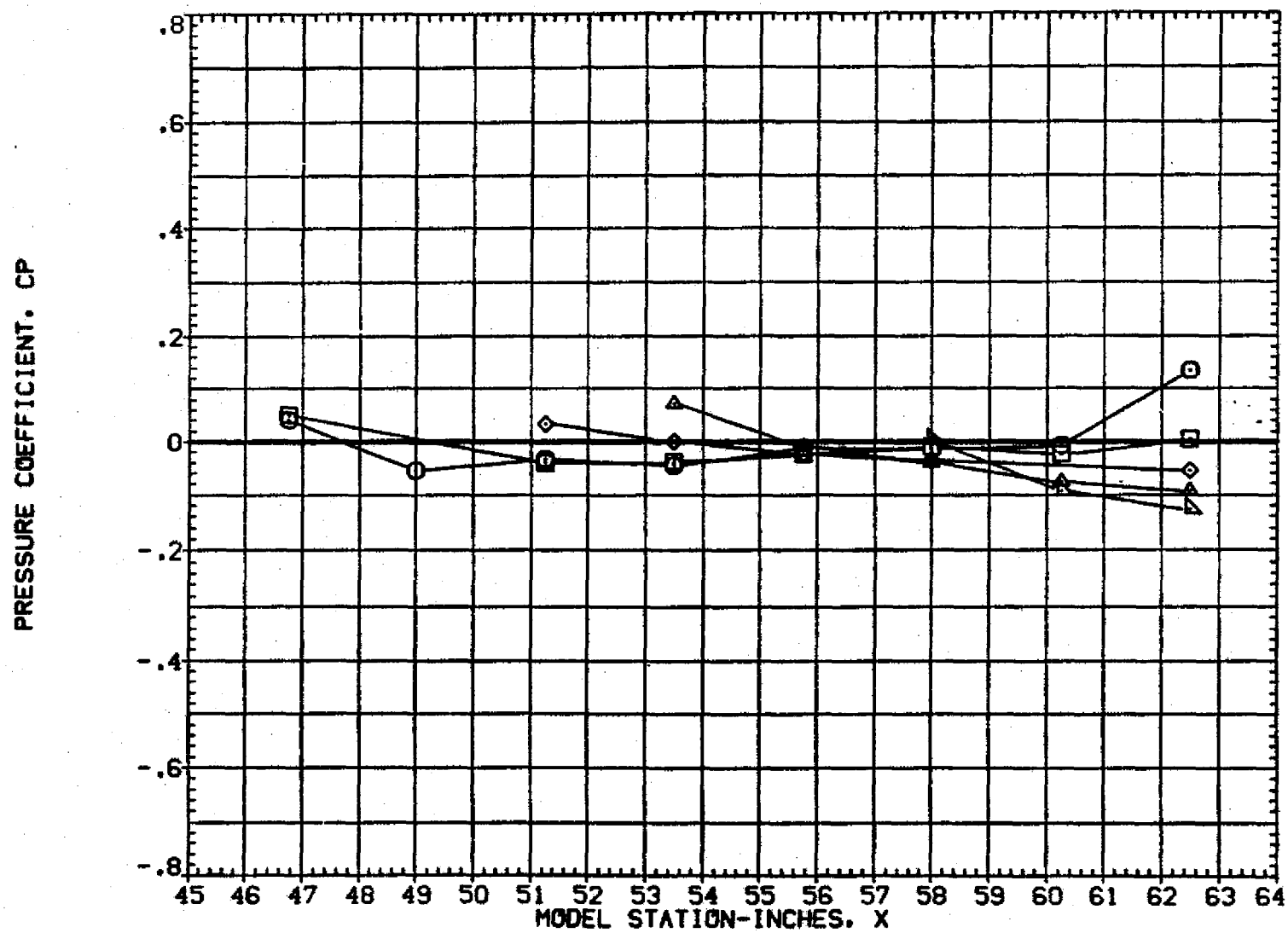


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	52.850	1.151
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

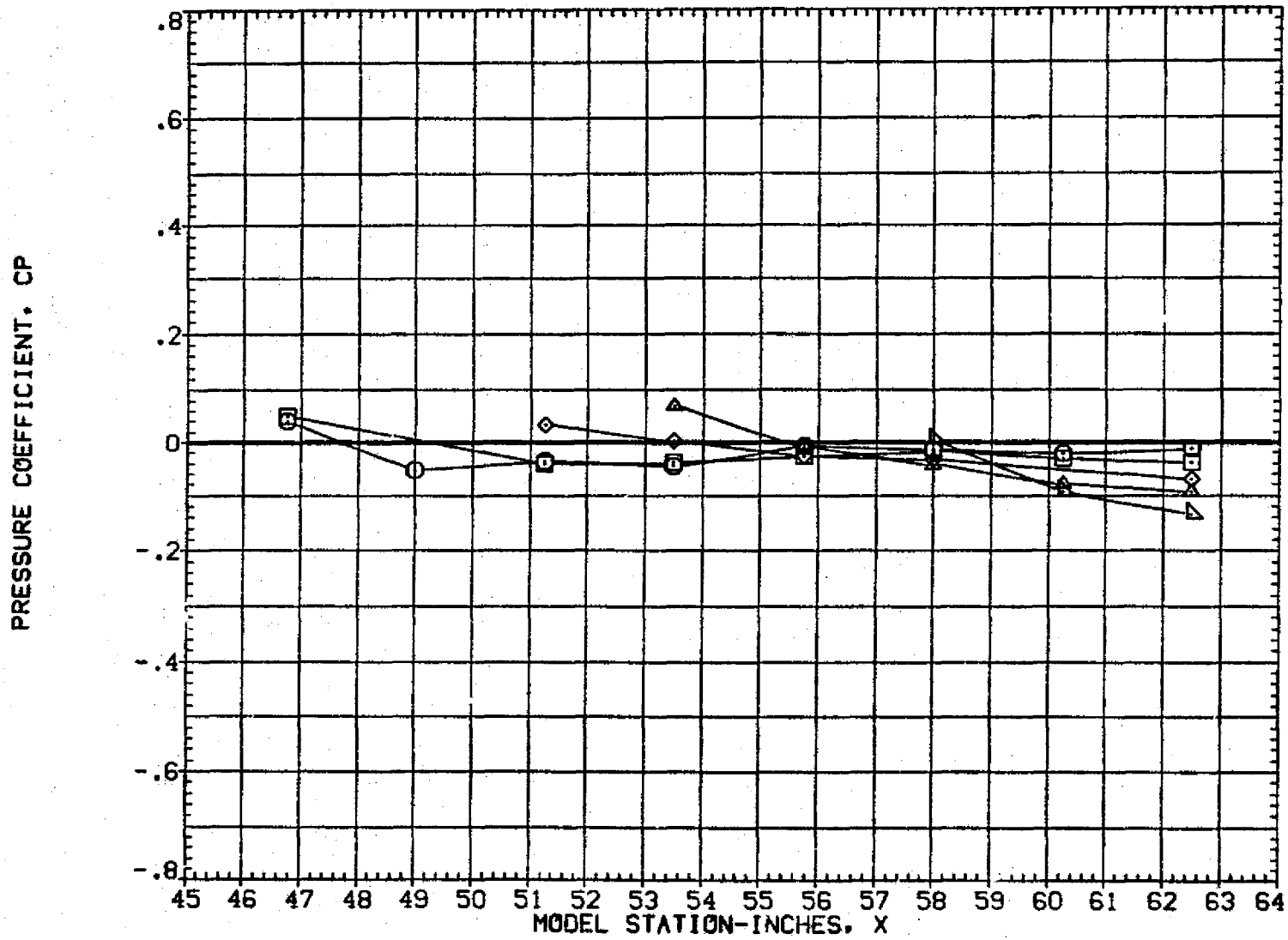


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

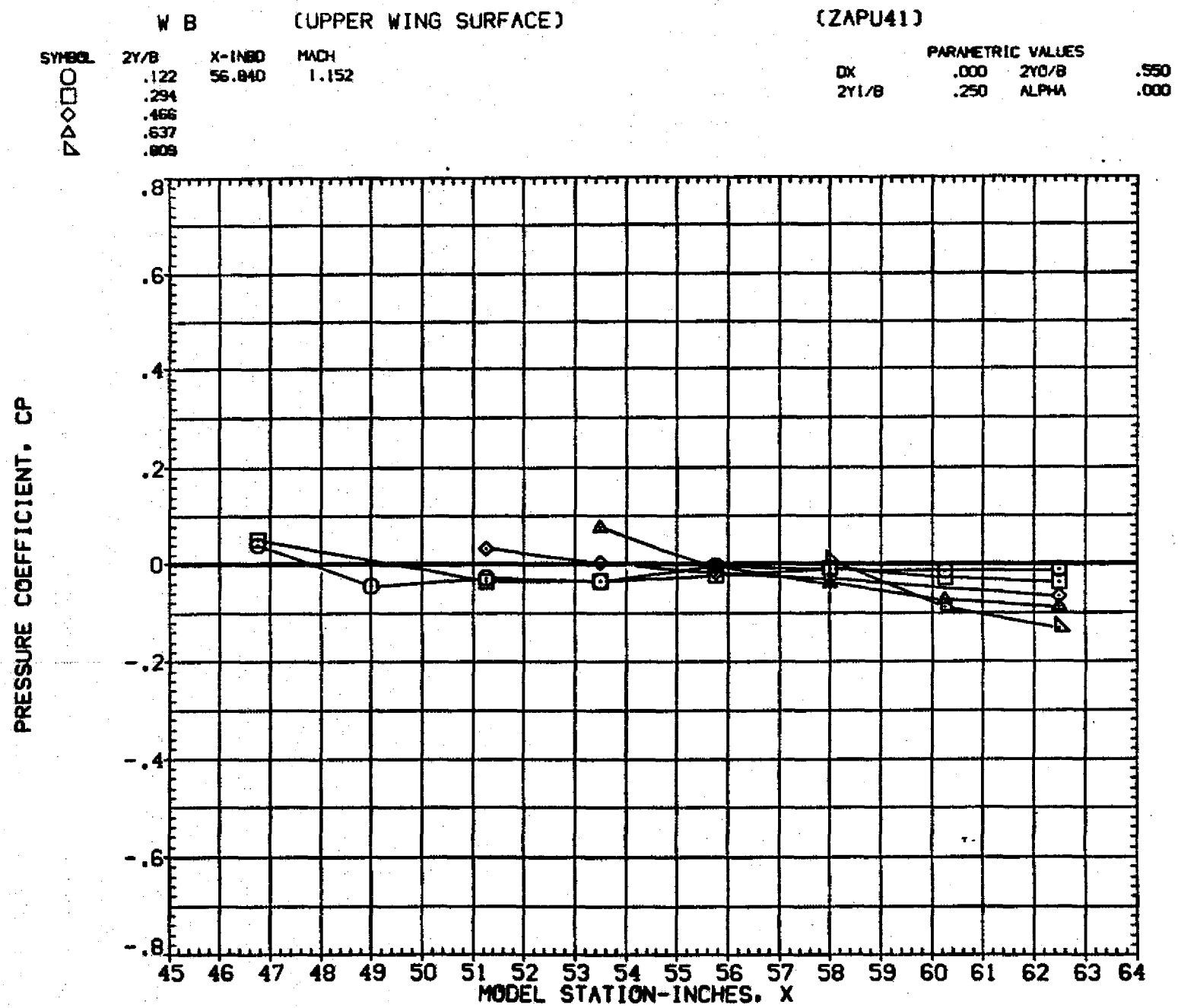


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	60.840	1.151
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

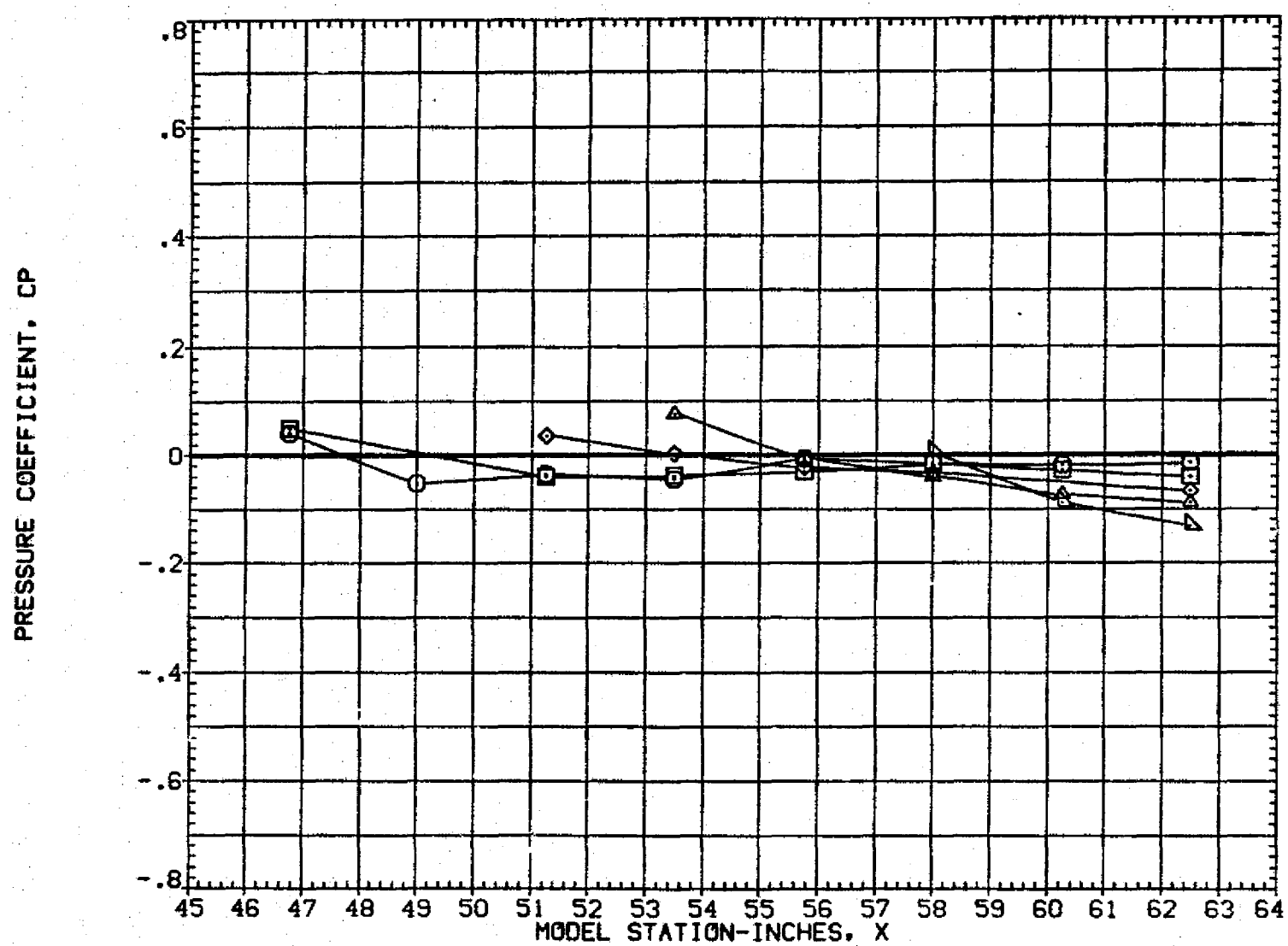


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

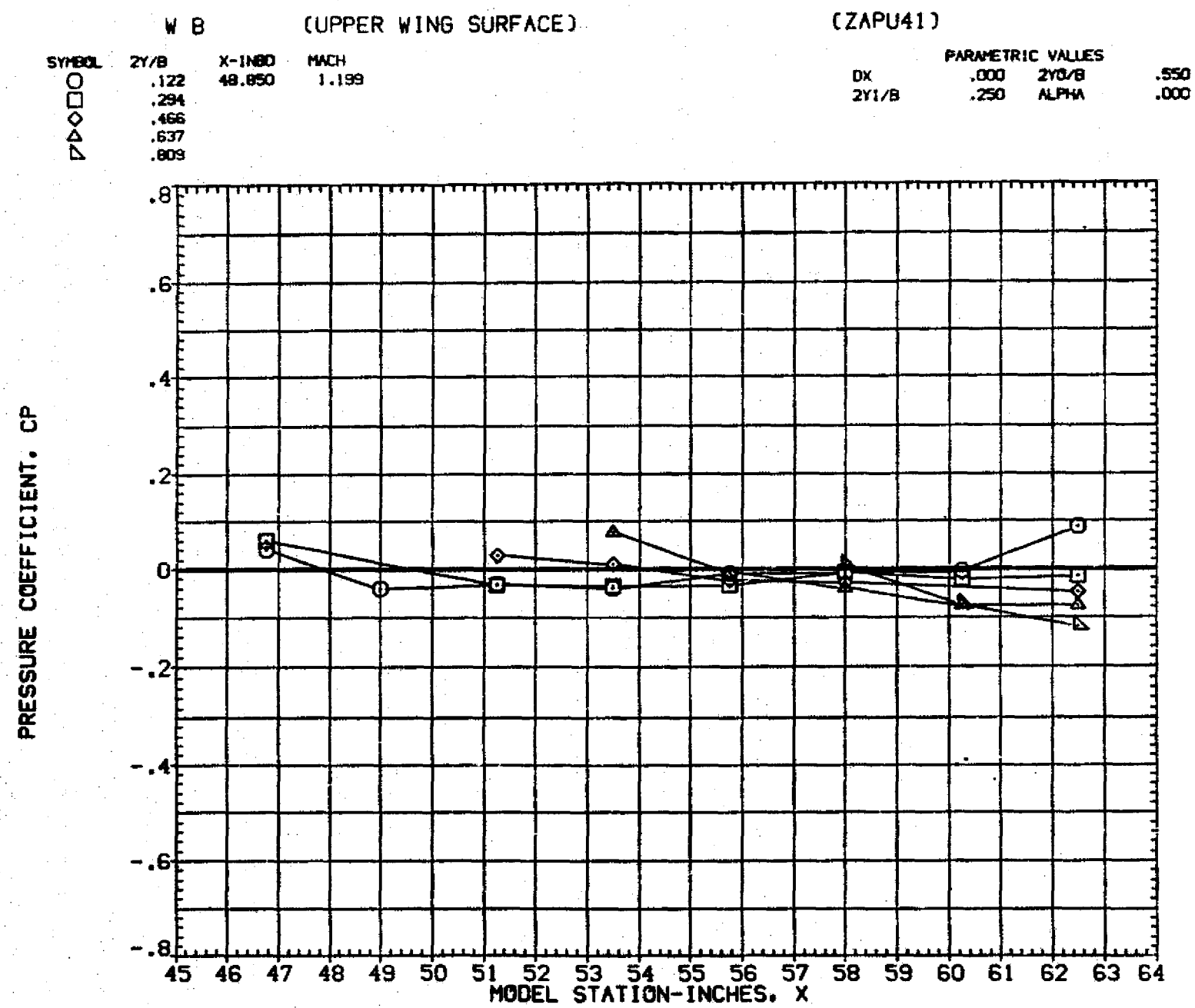


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	52.850	1.199
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

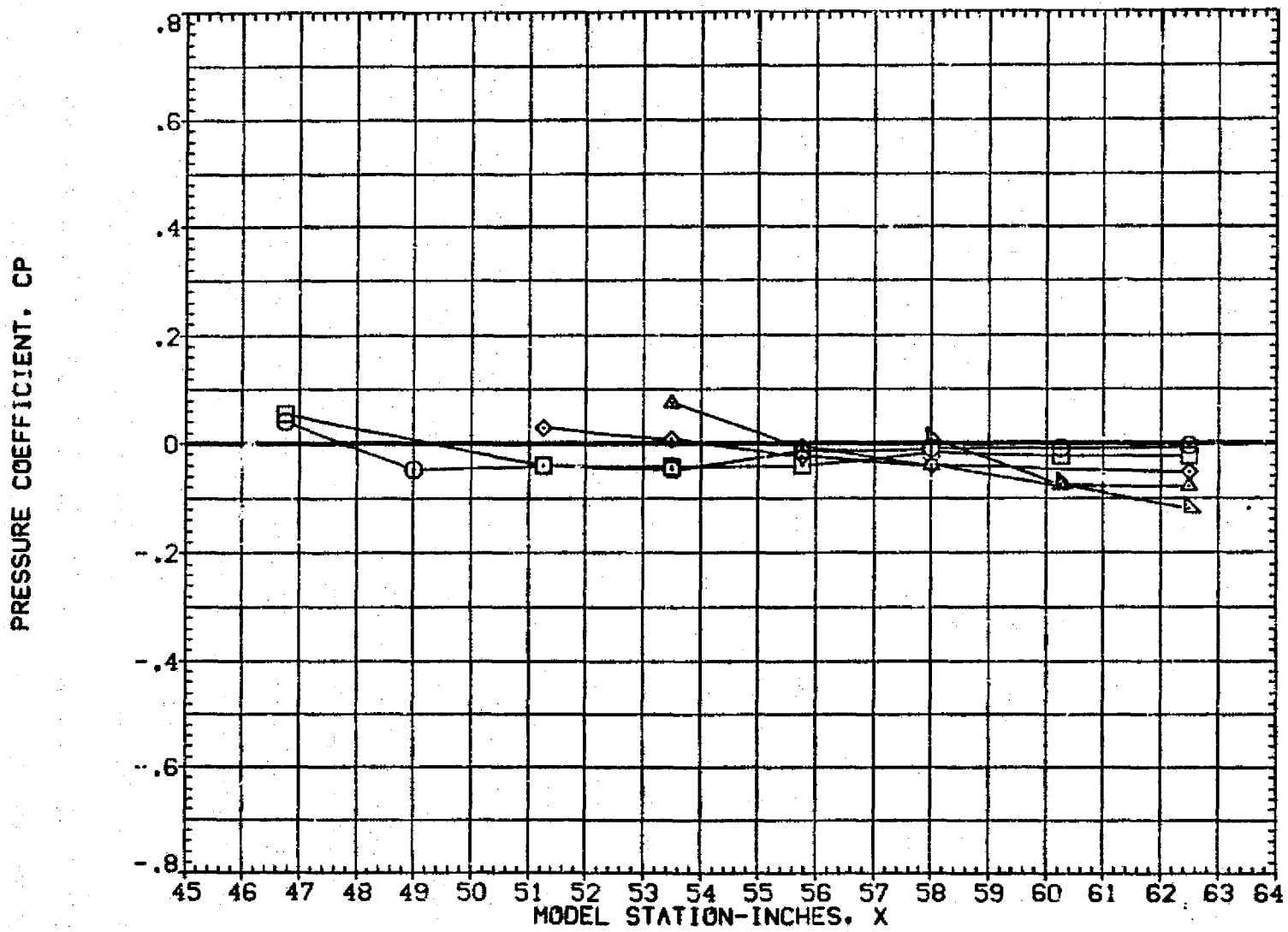


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

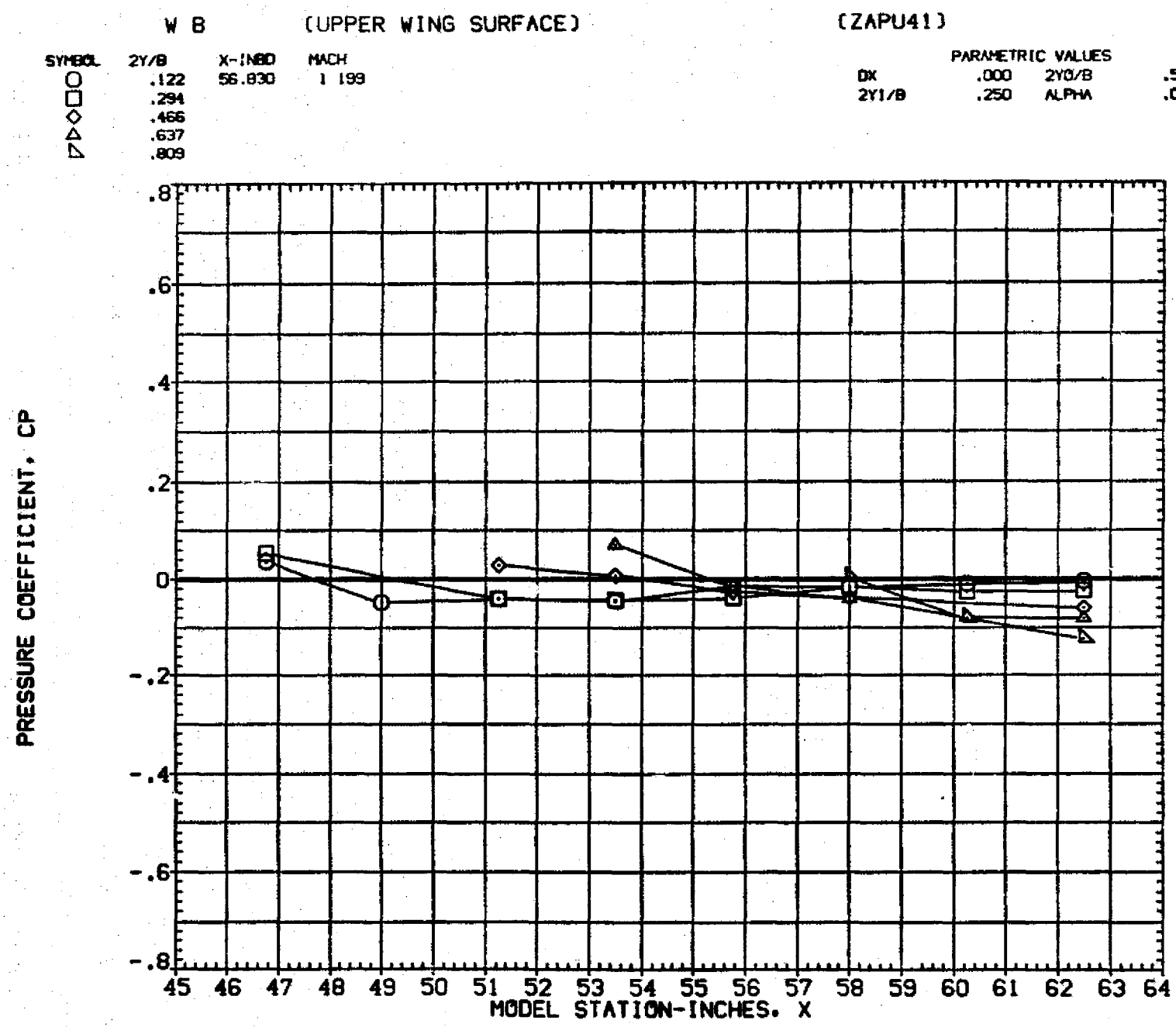


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	60.840	1.201
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

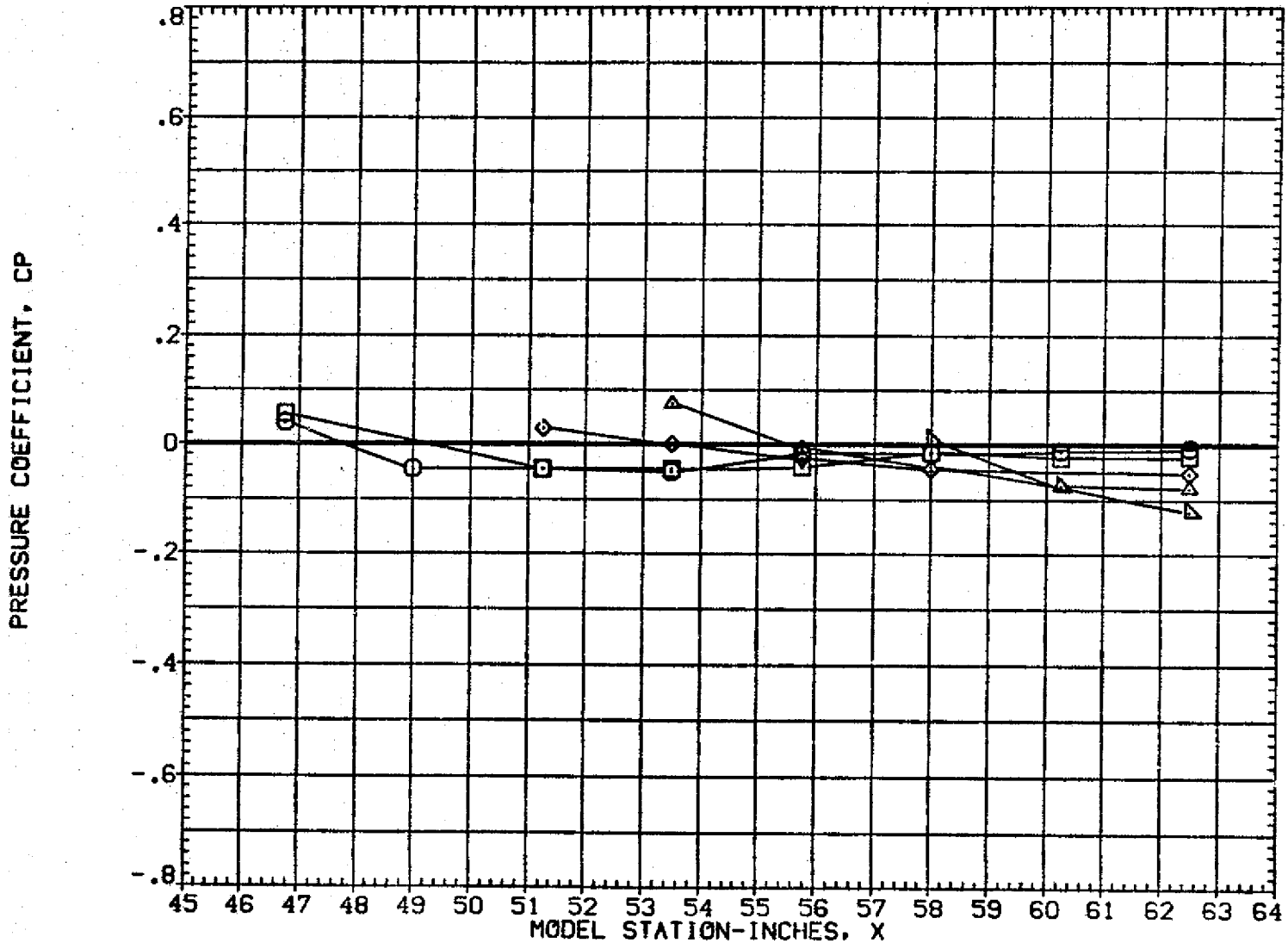


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	48.850	1.300
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

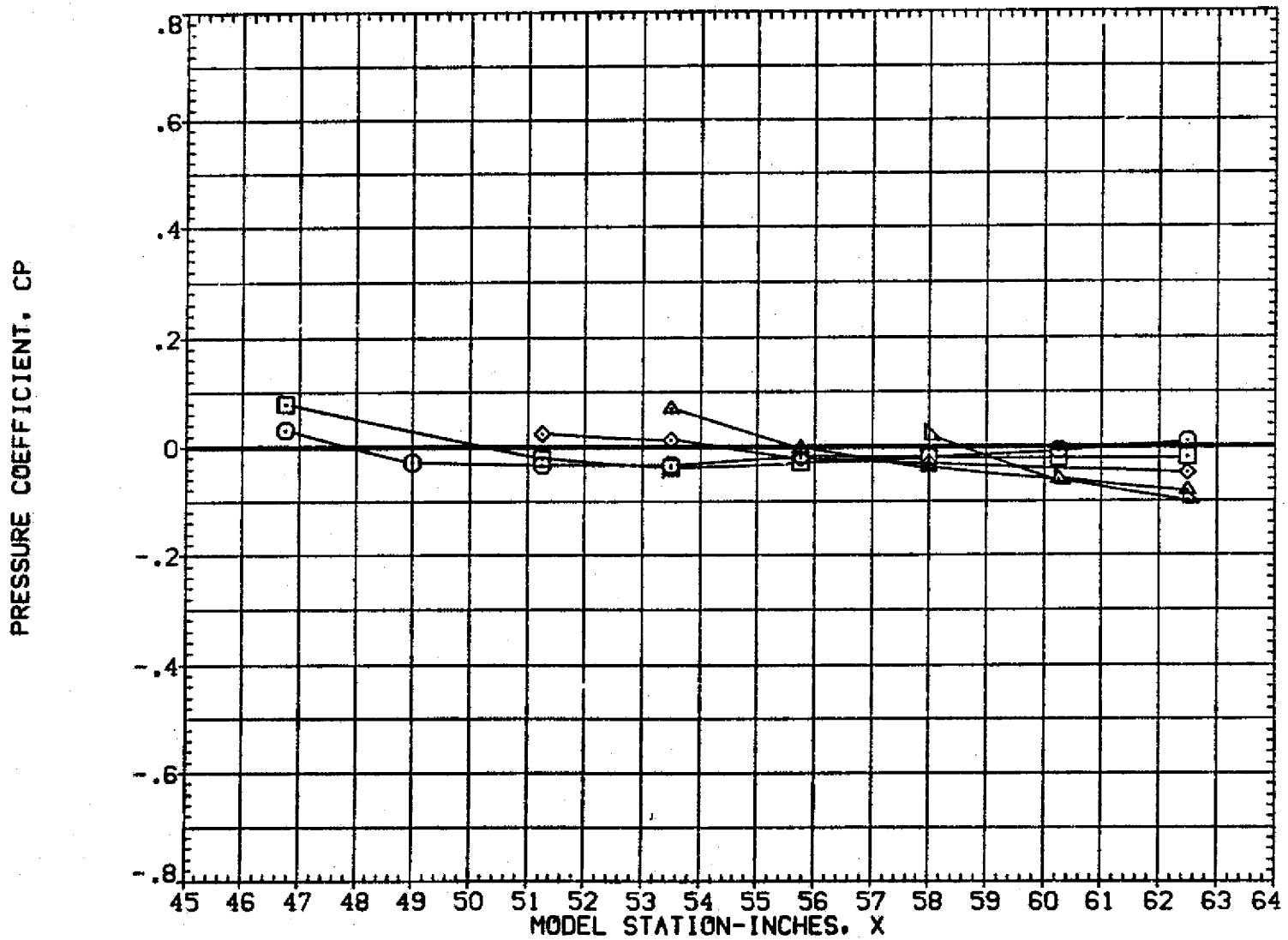


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

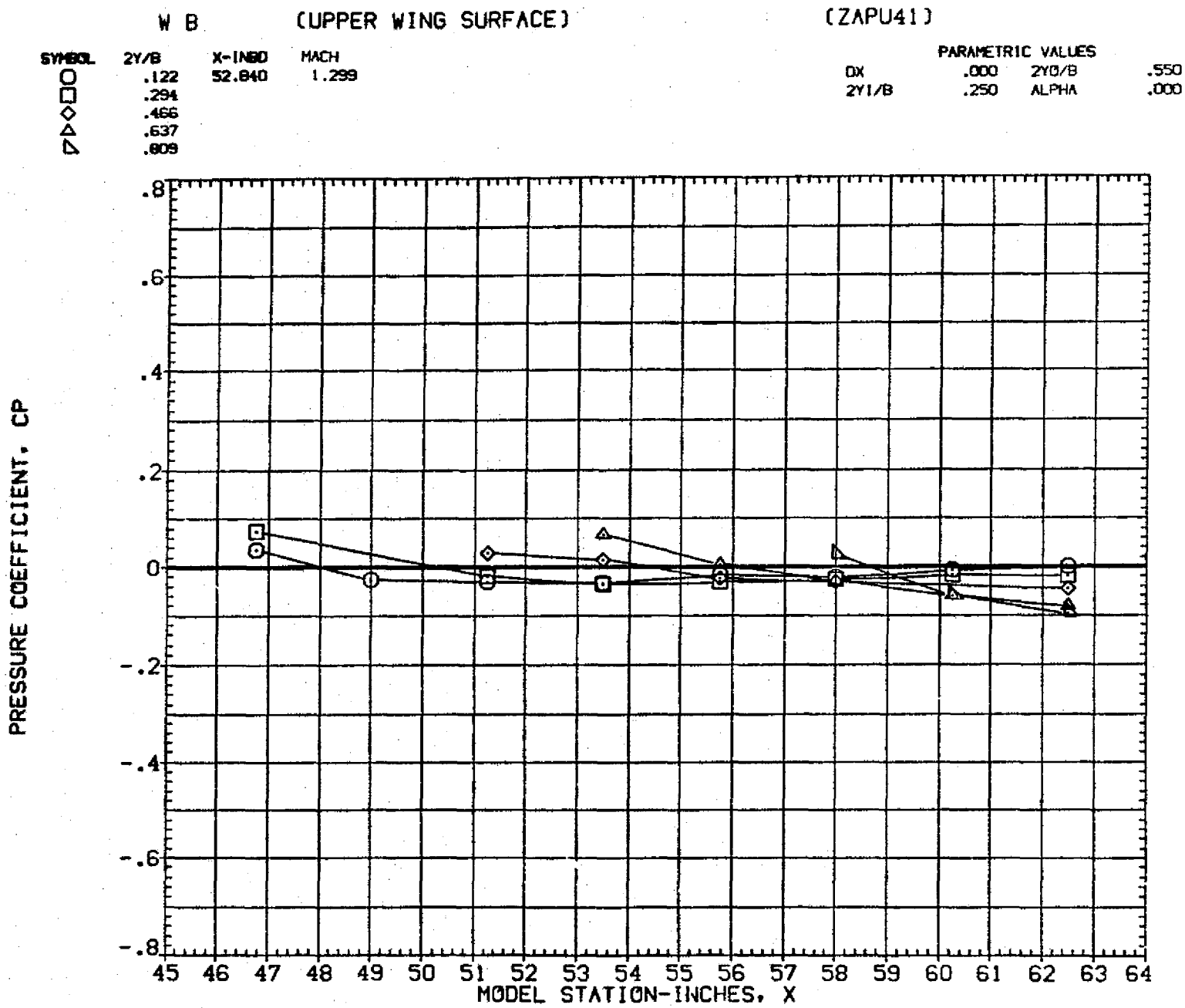


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.830	1.297
□	.294		
◇	.466		
△	.637		
◺	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

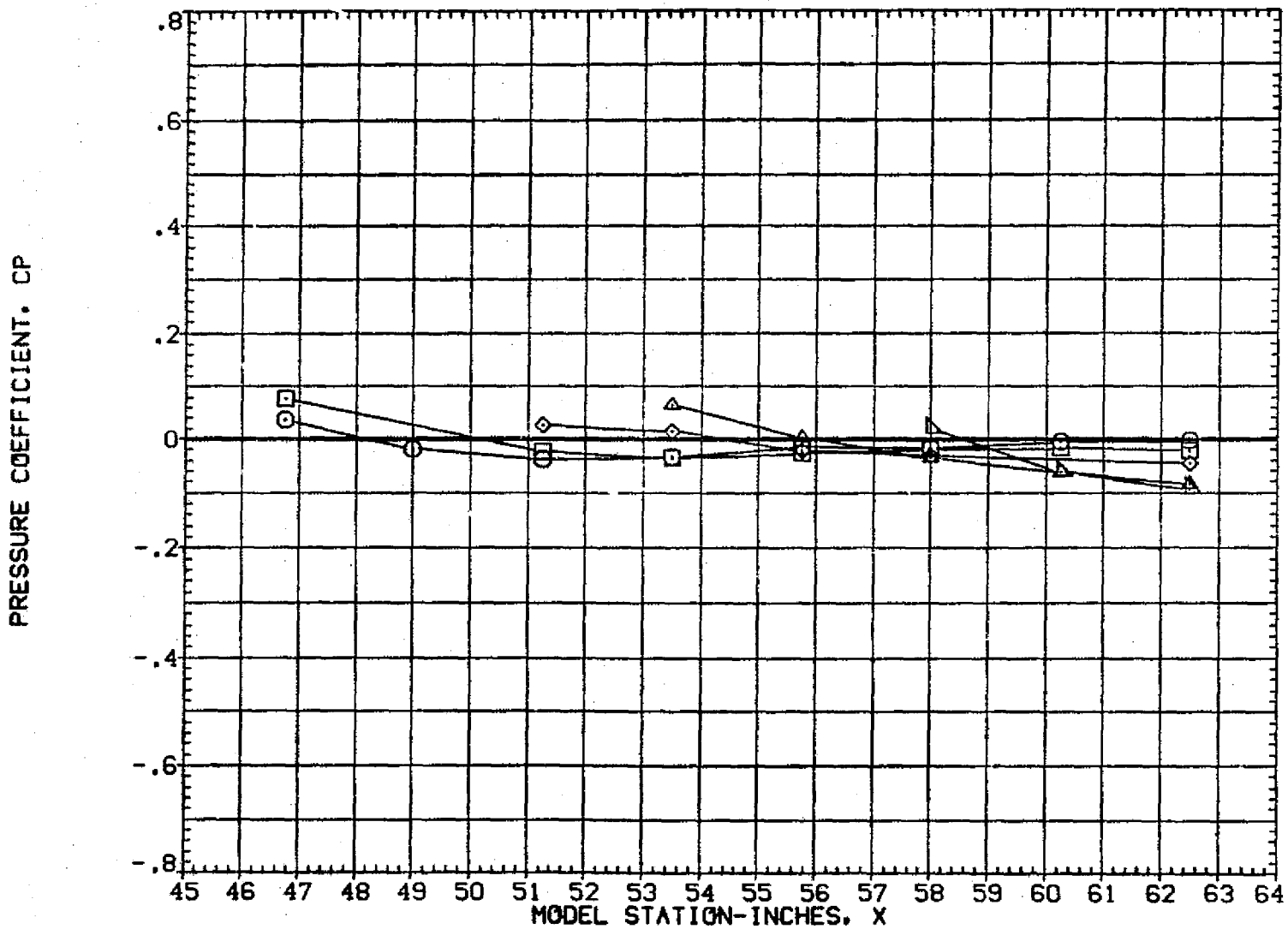


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	60.830	1.302
□	.294		
◇	.466		
△	.637		
◁	.809		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2Y1/B	.250	ALPHA	.000

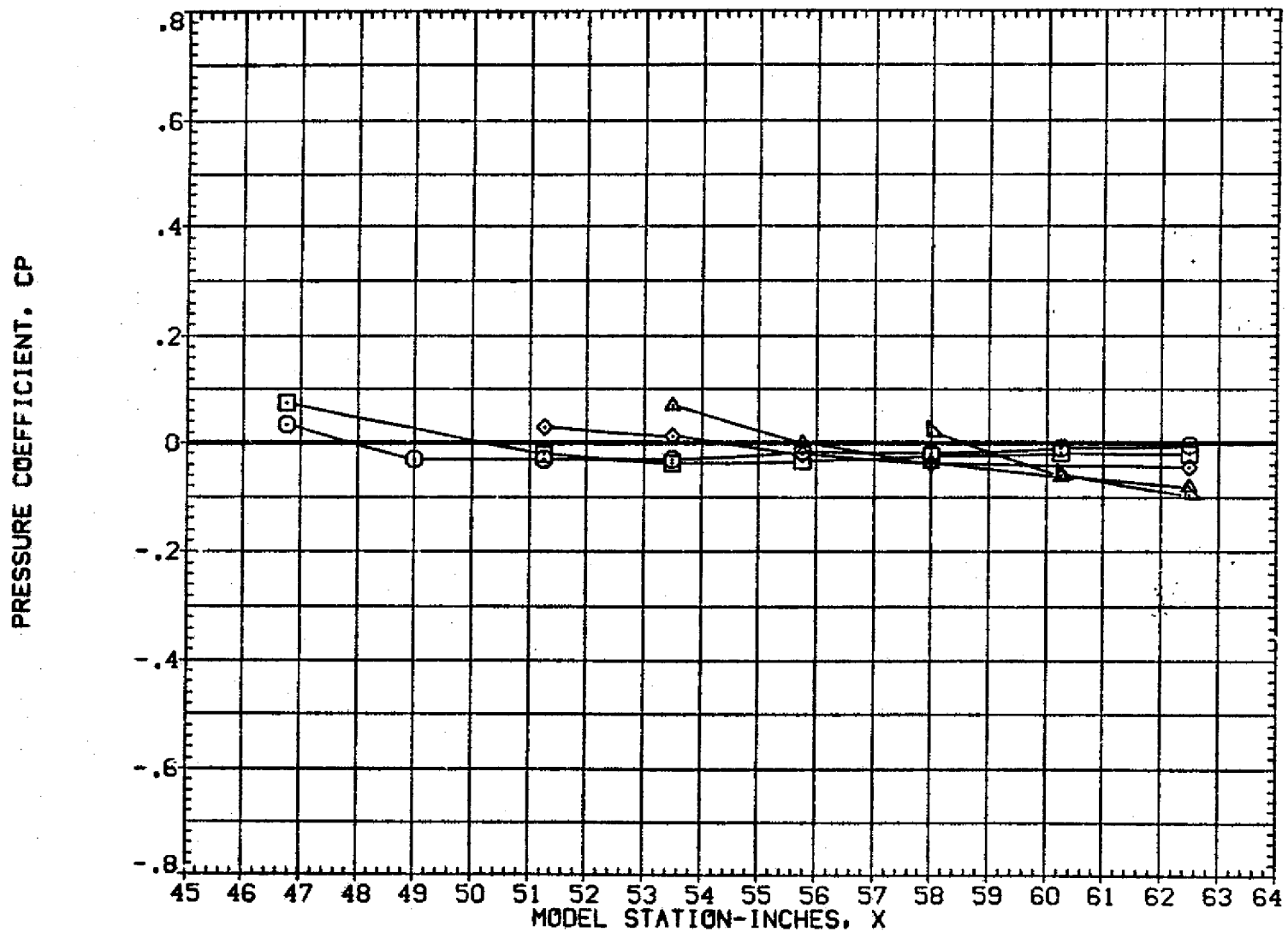


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

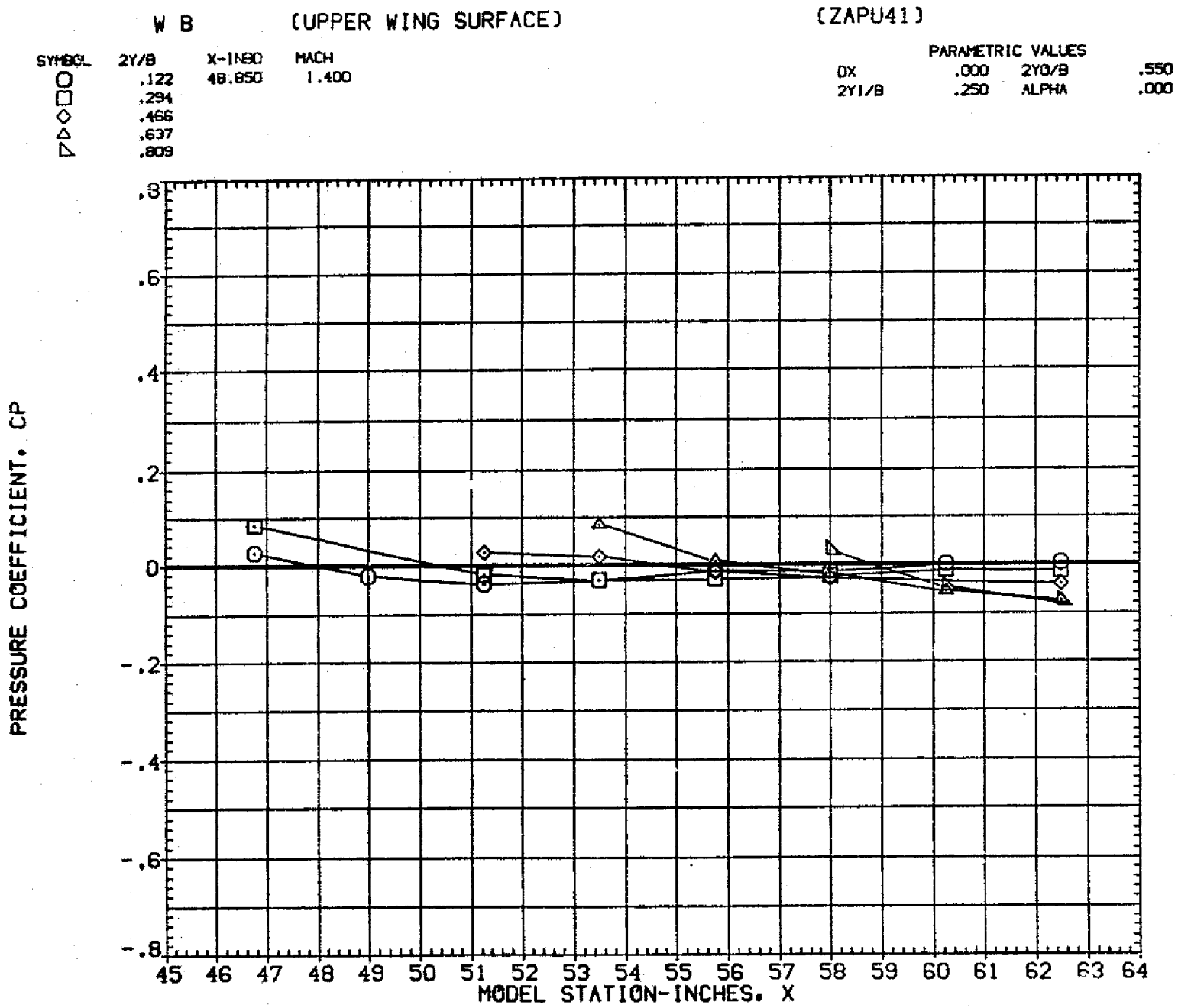


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	52.860	1.400
□	.294		
◇	.466		
△	.637		
◺	.609		

PARAMETRIC VALUES

DX	.000	2YO/B	.550
2YI/B	.250	ALPHA	.000

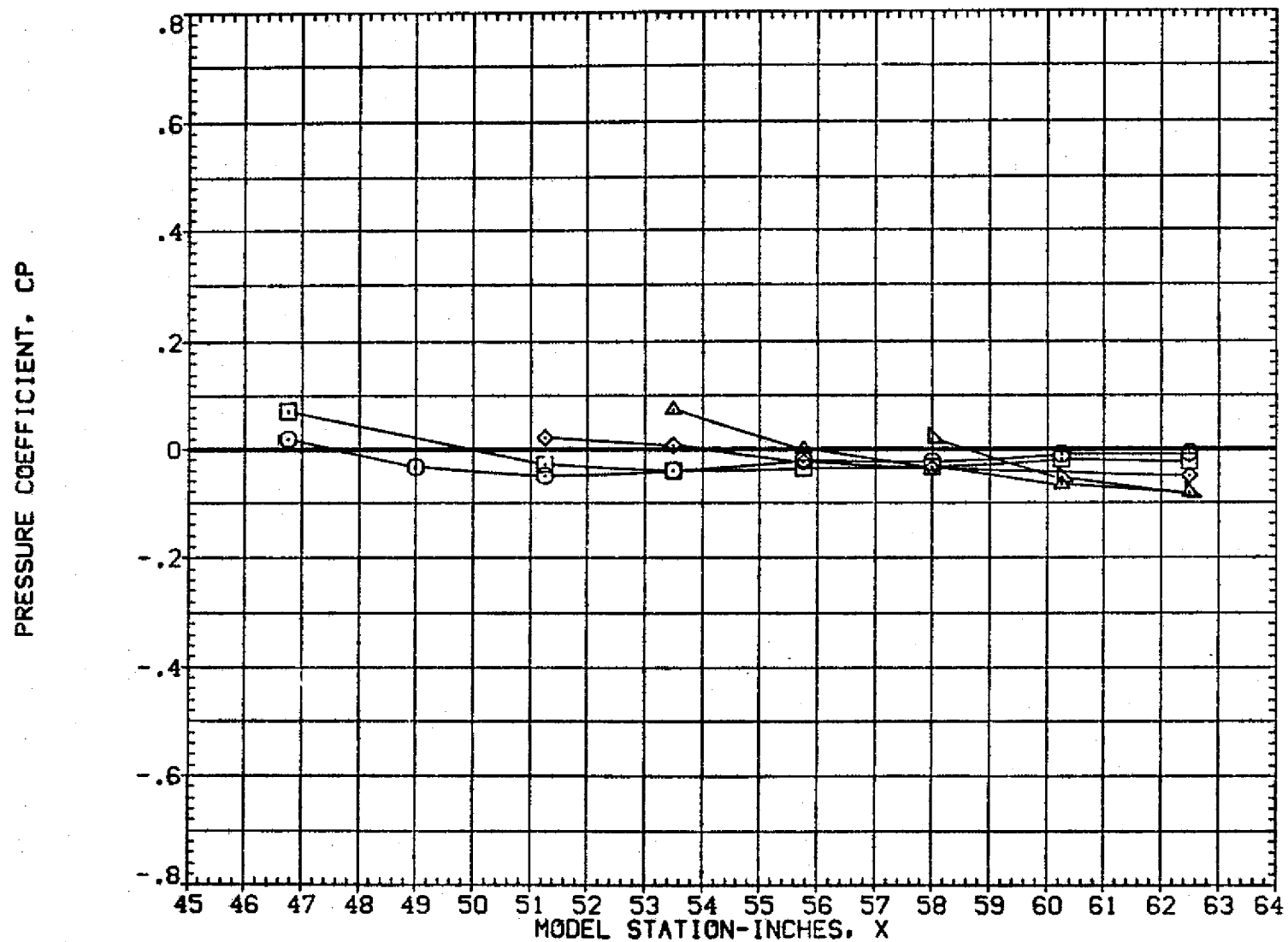


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

W B (UPPER WING SURFACE) (ZAPU41)

SYMBOL	2Y/B	X-INBD	MACH
○	.122	56.850	1.400
□	.294		
◇	.466		
△	.637		
◿	.809		

PARAMETRIC VALUES

DX	.000	2Y0/B	.550
2Y1/B	.250	ALPHA	.000

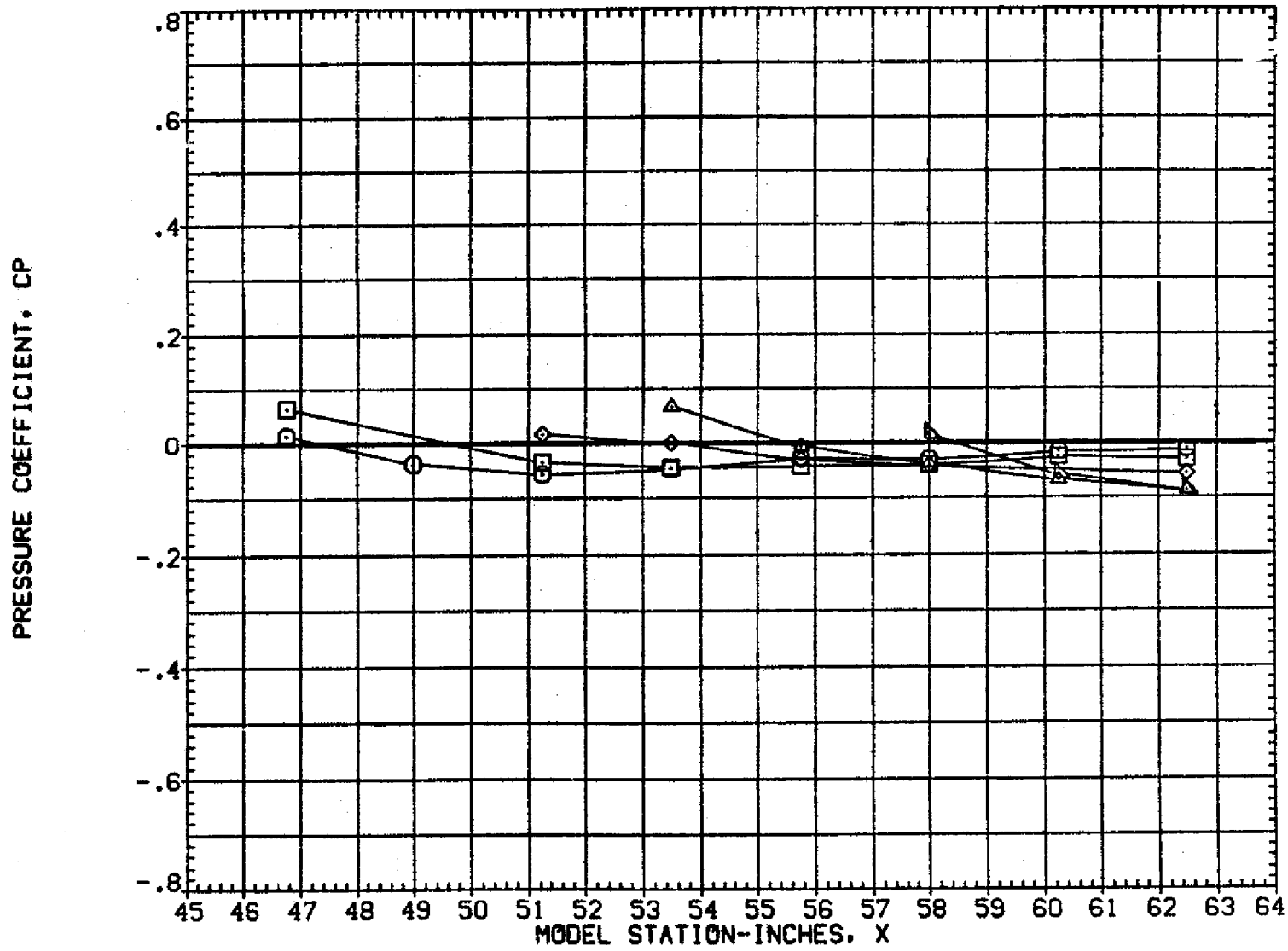


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION

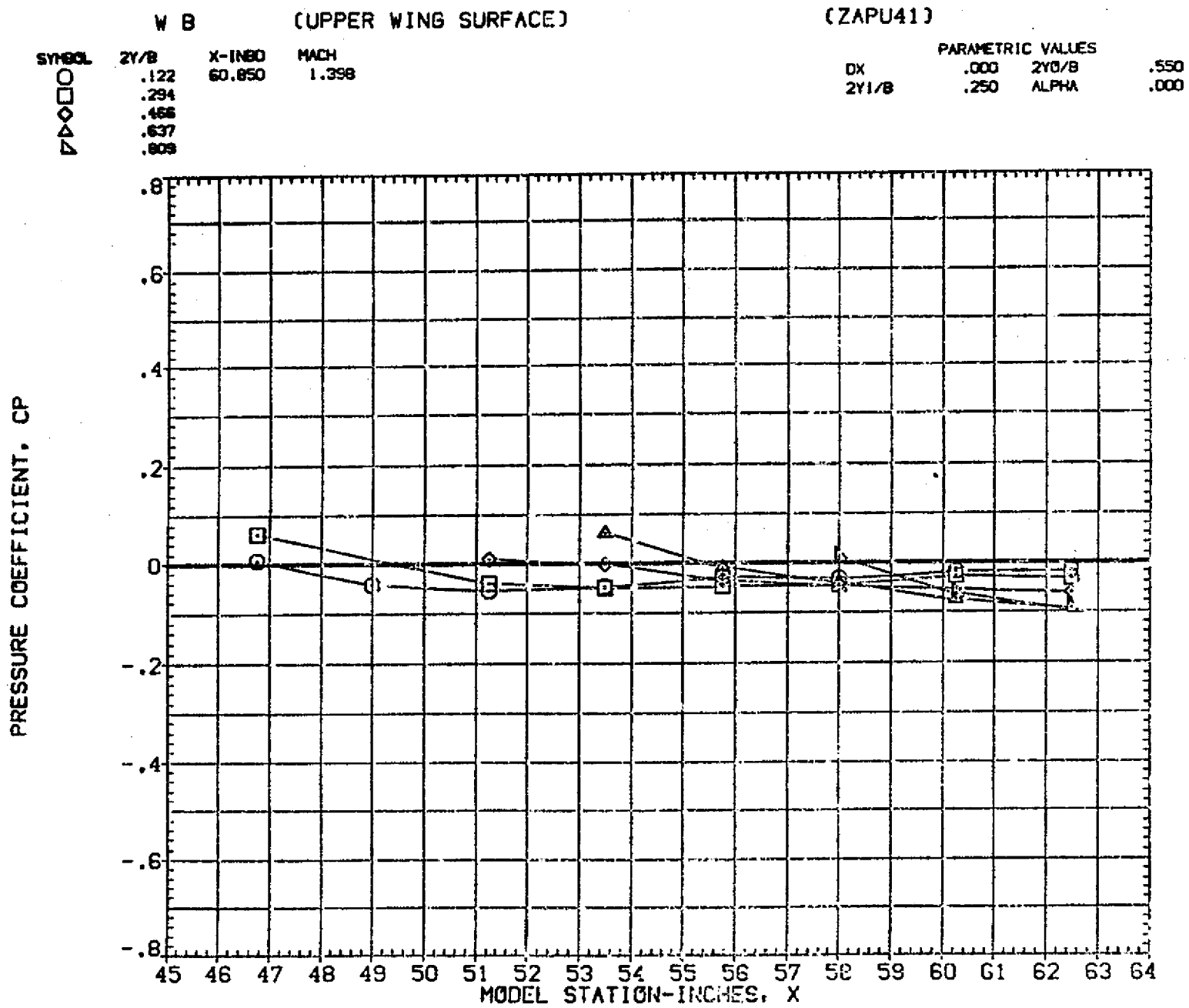


FIG 7 WING UPPER SURFACE STATIC PRESSURE DISTRIBUTION