

-SPACE SHUTTLE-

**EFFECT OF NACELLE POSITION,
REPAIRED FUSELAGE, AND ELEVATOR
EFFECTIVENESS AT MACH NUMBER 0.26
FOR THE NORTH AMERICAN ROCKWELL
STRAIGHT WING ORBITER
(0.00716 SCALE)**

NORTH AMERICAN ROCKWELL
CORPORATION

**WIND TUNNEL TEST RESULTS
DATA REPORT**

NOVEMBER 1970

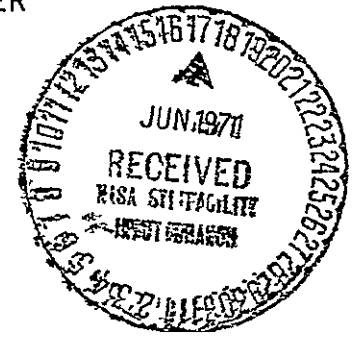
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**SADSAC SPACE SHUTTLE
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SADSAC/SPACE SHUTTLE
WIND TUNNEL TEST DATA REPORT

CONFIGURATION NAR STRAIGHT WING ORBITER (0.00761 SCALE)

TEST PURPOSE EFFECT OF NACELLE POSITION, REPAIRED FUSELAGE, AND
ELEVATOR EFFECTIVENESS AT MACH NUMBER 0.26

TEST FACILITY: NAR LOW SPEED WIND TUNNEL

TESTING AGENCY NORTH AMERICAN ROCKWELL CORPORATION

TEST NO. & DATE: TEST NO. 632; 29 SEPT. - 2 OCT. 1970

TEST CONDUCTOR(S) A. TWEEDIE, T. TUDDLE & W. LESTER (NAR)

DATA MANAGEMENT SERVICES

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ABSTRACT

A 0.00761 scale model of the North American Rockwell Corporation (NAR) Straight Wind Orbiter was tested in the NAR Low Speed Wind Tunnel to determine elevator effectiveness and the effect of nacelle position and a refaired fuselage. This test (Test No. 632) was conducted from 29 September through 2 October 1970. The model was tested at a Mach number of 0.26, Reynolds number of 1.85×10^6 per foot, and dynamic pressure of 100 psf.

DATA REDUCTION

The measured force and moment data were initially reduced about the body axis system. The forebody axial force coefficient (CAF) was calculated by subtracting the base axial force coefficient (CAB) and sting cavity force coefficient from the uncorrected total axial force coefficient. The measured data were reduced to coefficient form by using the reference dimensions listed below:

$$S_{\text{ref}} = \text{Wing Plan form Area} = 0,179 \text{ ft}^2 = 25.776 \text{ in}^2$$

$$l_{\text{ref}} = \text{Body Length} = 15.737 \text{ in} = 1.311 \text{ ft}$$

$$b = \text{Wing Equivalent Span} = 11.339 \text{ in} = 0.945 \text{ ft}$$

The body axis data were then converted to stability axis data and the stability axis data were corrected for wall interference and tunnel blockage effects. Wind tunnel interference corrections were applied to angle of attack, forebody drag force coefficient (CDF) and pitching moment coefficient (CLM) and the final body axis data placed into SADSAC were computed from the corrected stability axis data. Lift to drag ratio (L/D) is based on the forebody drag force coefficient (CDF). The moment reference point (MRP) applicable to the reduced data is 9.84 inches aft of the model nose, on the model lateral centerline, and 0.384 inch below the model vertical reference line.

CONFIGURATIONS INVESTIGATED

MODEL NOMENCLATURE

B6 = NR straight wing orbiter basic fuselage
B9 = Modified B6
N, N2, N3, N4, N5, N6 = Double Nacelles located on fuselage as described
on the component sheets for N, N2, N3, N4, N5, and N6.
W10 = Basic straight wing.
H12 - Horizontal tail
E12 - Elevator used on H12
V5 - Vertical tail

Refer to the immediately following pages and Figures 2 through 7 for a detailed description of the above components.

COMBINATIONS TESTED

B9	B6N2W10H12
B9W10	B6N2W10H12V5
B9W10H12	B6N2W10V5
B9W10H12V5	B6N3W10H12V5
B9N2W10H12V5	B6N4W10V5
B6W10V5	B6N4W10H12
B6W10H12	B6N4W10H12V5
B6W10H12V5	B6N5W10H12V5
B6W10H12E12V5	B6N6W10H12V5
B6N W10H12V5	B6N6W10H12E12V5
B6N W10H12E12V5	

The above combinations were tested at an angle of attack range of -4° to 16° at fixed sideslip angles of 0° and 5° , an angle of attack range of -4° to 30° at zero sideslip, and an angle of sideslip range of -4° to 8° at fixed angle of attack values of 0° , 6° , and 12° . Tests were also conducted at horizontal stabilizer deflections of -10° , 0° , and 10° and elevator deflection of -30° , -20° , -10° , 0° , 10° , and 20° .

MODEL COMPONENT - BODY - B6

GENERAL DESCRIPTION. Basic Outline of straight wing orbiter per NR
lines dwg. 9992-130C.

DRAWING NUMBER S-870-3,-4,-16,-18,-26,-30,-51,-53

<u>DIMENSIONS</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, ft	<u>172.33</u>	<u>1.311</u>
Max. Width, in	<u>310.00</u>	<u>2.36</u>
Max. Depth, in	<u>340.34</u>	<u>2.59</u>
Fineness Ratio	<u>6.037</u>	<u>6.037</u>
Area		
Max. Cross-Sectional, ft ²	<u>640.03</u>	<u>0.037</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

MODEL COMPONENT: BODY - B9

GENERAL DESCRIPTION: Basic Fuselage of Straight Wing Orbiter per HR Lines

Drawing 9992-130C Modified by Fairing to Remove Discontinuity between

F.S. 1419.18 and F.S. 1773.98

DRAWING NUMBER: S-870-3, -4, -16, -18, -26, -30, -51, -53

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>172.33</u>	<u>1.311</u>
Max. Width	<u>310.00</u>	<u>2.36</u>
Max. Depth	<u>340.34</u>	<u>2.59</u>
Fineness Ratio	<u>6.037</u>	<u>6.037</u>
Area		
Max. Cross-Sectional	<u>640.03</u>	<u>0.037</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

MODEL COMPONENT: BODY - Nacelle - N

GENERAL DESCRIPTION: Straight Wing Orbiter Body with Double Nacelles Located
On Lower Surface of Body B-6. Pylon P3 Used, Model Scale is .00761.

DRAWING NUMBER: S-870-82, -83, -85

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, ft.	<u>15.33071</u>	<u>.11667</u>
Max. Width, in.	<u>98.55453</u>	<u>.75</u>
Max. Depth, in.	<u>55.19054</u>	<u>.42</u>
Fineness Ratio	<u>2.39730</u>	<u>2.39730</u>
Area		
Max. Cross-Sectional, ft ² .	<u>32.12004</u>	<u>.00186</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
	<u>Pylon p3</u>	
Area, ft ²		
Planform	<u>7.91429</u>	<u>.00046</u>
Span (equivalent), in.	<u>7.88436</u>	<u>.060</u>
Sweepback Angles, degrees		
Leading Edge	<u>0.0</u>	<u>0.0</u>
Trailing Edge	<u>0.0</u>	<u>0.0</u>
Chords:		
Fus. Sta. of L.E., in.	<u>1064.12615</u>	<u>8.098</u>
P.L. of Pylon P3, in.	<u>72.27332</u>	<u>0.55</u>
Airfoil Section		
Root, t/c	<u>0.03182</u>	<u>0.03182</u>
Tip, t/c	<u>0.08182</u>	<u>0.08182</u>

MODEL COMPONENT: BODY - Nacelle - N2

GENERAL DESCRIPTION: Straight wing orbiter body with double nacelles located
above FRP on side of body B-6, 50° to vertical centerline, using Pylon-P.
Model scale is .00761.

DRAWING NUMBER: S-870-82, -83, -84

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, ft.	<u>15.33071</u>	<u>.11667</u>
Max. Width, in.	<u>98.55453</u>	<u>.75</u>
Max. Depth, in.	<u>55.19054</u>	<u>.42</u>
Finess Ratio	<u>2.39730</u>	<u>2.39730</u>
Area		
Max. Cross-Sectional, ft ² .	<u>32.12004</u>	<u>.00186</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
	<u>Pylon -P</u>	
Area		
Planform	<u>38.25242</u>	<u>.00222</u>
Span (equivalent), in.	<u>38.10775</u>	<u>.29</u>
Toe-in Angle, degrees	<u>0</u>	<u>0</u>
Can. angle, degrees	<u>50.0</u>	<u>50.0</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0</u>	<u>0</u>
Trailing Edge	<u>0</u>	<u>0</u>
Chords:		
F.L. Sta. of L.E., in.	<u>1064.12615</u>	<u>8.098</u>
W.P. of E (B.P. O.O)	<u>0</u>	<u>0</u>
Airfoil Section		
Root, l/c	<u>.08182</u>	<u>.06182</u>
Tip, t/c	<u>.06152</u>	<u>.03182</u>

MODEL COMPONENT: BODY + Nacelle - N3

GENERAL DESCRIPTION: Straight wing orbiter body with double nacelles located above FRP on side of body B-6, 50° to vertical centerline, using Pylon-P. Ducts are plugged. Model Scale is .00761.

DRAWING NUMBER: S-870-82, -83, -84

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, ft.	<u>15.33071</u>	<u>.11667</u>
Max. Width, in.	<u>98.55453</u>	<u>.75</u>
Max. Depth, in.	<u>55.19054</u>	<u>.42</u>
Fineness Ratio	<u>2.39730</u>	<u>2.39730</u>
Area		
Max. Cross-Sectional, ft ² .	<u>32.12004</u>	<u>.00186</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
	<u>Pylon-P</u>	
Area, ft ²		
Planform	38.25242	.00222
Span (equivalent), in.	38.10775	.29
Toe-in Angle, degrees	0	0
Cant Angle, degrees	50.0	50.0
Sweepback Angles, degrees		
Leading Edge	0	0
Trailing Edge	0	0
Chords:		
Fus. Sta. of L.E., in.	1064.12615	8.0988
W.P. of E (B.P. O.O)	0	0
Airfoil Section:		
Root, t/c	.08182	.08182
Tip, t/c	.08182	.08182

MODEL COMPONENT: BODY + Nacelle - H4

GENERAL DESCRIPTION: Straight wing orbiter body with double nacelles
located above FRP on side of body B-6, 50° to vertical centerline, using
Pylon-P2. Model scale is .00761.

DRAWING NUMBER: S-870-82, -83, -84

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, ft.	<u>15.33071</u>	<u>.11667</u>
Max. Width, in.	<u>98.55453</u>	<u>.75</u>
Max. Depth, in.	<u>55.19054</u>	<u>.42</u>
Fineness Ratio	<u>2.39730</u>	<u>2.39730</u>
Area		
Max. Cross-Sectional, ft ² .	<u>32.12004</u>	<u>.00186</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
	<u> Pylon-12</u>	
Area, ft ² .		
Planform	<u>38.25242</u>	<u>.00222</u>
Span (equivalent), in.	<u>38.10775</u>	<u>.29</u>
Toe-in Angle, degrees	<u>0</u>	<u>0</u>
Cant Angle, degrees	<u>50.0</u>	<u>50.0</u>
Chords:		
Fus. Sta. of L.E., in.	<u>1542.70696</u>	<u>11.74</u>
W.P. of L (B.P.O.O)	<u>0</u>	<u>0</u>
Airfoil Section		
Root, t/c	<u>.08182</u>	<u>.08182</u>
Tip, t/c	<u>.08182</u>	<u>.08182</u>

MODEL COMPONENT: BODY - Nacelle-N5

GENERAL DESCRIPTION: Straight wing orbiter body with double nacelles
located above FRP on side of body B-6, 50° to vertical centerline, using
Pylon-P2. Ducts are plugged. Model Scale is .00761.

DRAWING NUMBER: S-870-82, -83, -84

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length, ft.	<u>15.33071</u>	<u>.11667</u>
Max. Width, in.	<u>98.55453</u>	<u>.75</u>
Max. Depth, in.	<u>55.19054</u>	<u>.42</u>
Fineness Ratio	<u>2.39730</u>	<u>2.39730</u>
Area		
Max. Cross-Sectional, ft ² .	<u>32.12004</u>	<u>.00186</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

Pylon P2

Area, ft ² .		
Planform	38.25242	.00222
Span (equivalent), in.	38.10775	.29
Toe-in Angle, degrees	0	0
Cant Angle, degrees	50.0	50.0
Chords:		
Fus. Sta. of I.E.; in.	1542.70696	11.74
W.P. of E (B.P.O.O)	0	0
Airfoil Section		
Root, t/c	.08182	.08182
Tip, t/c	.08182	.08182

MODEL COMPONENT: BODY - Nacelle - N6

GENERAL DESCRIPTION: Straight Wing Orbiter Body with Double Nacelles

Located On Lower Surface of Body B-6. Pylon P3 Used, Model Scale is .00761.

Ducts are plugged.

DRAWING NUMBER: S-870-82, -83, -85

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>15.33071</u>	<u>.11667</u>
Max. Width	<u>98.55433</u>	<u>.75</u>
Max. Depth	<u>55.19054</u>	<u>.42</u>
Fineness Ratio	<u>2.39730</u>	<u>2.39730</u>
Area		
Max. Cross-Sectional, Ft ² .	<u>32.12004</u>	<u>.00186</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
	<u>Pylon p3</u>	
Area, Ft ²		
Planform	<u>7.91429</u>	<u>0.00046</u>
Span (equivalent), in.	<u>7.88436</u>	<u>0.060</u>
Sweepback Angles, degrees		
Leading Edge	<u>0.0</u>	<u>0.0</u>
Trailing Edge	<u>0.0</u>	<u>0.0</u>
Chords:		
Fus. Sta. of L.E., in.	<u>1064.12615</u>	<u>8.098</u>
B.L. of Pylon ϕ , in.	<u>72.27332</u>	<u>0.55</u>
Airfoil Section		
Root, t/c	<u>0.08182</u>	<u>0.08182</u>
Tip, t/c	<u>0.08182</u>	<u>0.08182</u>

MODEL COMPONENT: Wing W10

GENERAL DESCRIPTION: Basic straight wing defined by NR lines dwg. 9992-130C,
except for position. Wing has been moved aft 0.84 inches (34.1% of M.A.C.).

Wing position per Ref. 9992-130G lines dwg.

DRAWING NUMBER: 9992-130G
8-870-8,-9

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, ft ²		
Planform	<u>3084.</u>	<u>0.178</u>
Wetted		
Span (equivalent), ft	<u>124.15</u>	<u>0.945</u>
Aspect Ratio	<u>4.96</u>	<u>4.96</u>
Rate of Taper	<u>0.397</u>	<u>0.397</u>
Taper Ratio	<u>0.333</u>	<u>0.333</u>
Dihedral Angle, degrees	<u>7.0</u>	<u>7.0</u>
Incidence Angle, degrees	<u>0.0</u>	<u>0.0</u>
Aerodynamic Twist, degrees	<u>4.0</u>	<u>4.0</u>
Toe-In Angle	<u>-</u>	<u>-</u>
Cant Angle	<u>-</u>	<u>-</u>
Sweep Back Angles, degrees		
Leading Edge	<u>21.67</u>	<u>21.67</u>
Trailing Edge	<u>0.0</u>	<u>0.0</u>
0.25 Element Line	<u>16.60</u>	<u>16.60</u>
Chords: in.		
Root (Wing Sta. 0.0)	<u>447.20</u>	<u>3.40</u>
Tip, (equivalent)	<u>148.97</u>	<u>1.13</u>
MAC	<u>322.95</u>	<u>2.46</u>
Fus. Sta. of .25 MAC	<u>1281.97</u>	<u>9.76</u>
W.P. of .25 MAC	<u>-148.87</u>	<u>-1.13</u>
B.L. of .25 MAC	<u>310.35</u>	<u>2.36</u>
Airfoil Section		
Root	<u>NACA 0012-64</u>	
Tip	<u>NACA 0012-64</u>	

EXPOSED DATA

Area, ft ²	<u>2222.</u>	<u>0.128</u>
Span, (equivalent), ft	<u>98.31</u>	<u>0.748</u>
Aspect Ratio	<u>4.38</u>	<u>4.38</u>
Taper Ratio	<u>0.387</u>	<u>0.387</u>
Chords, in		
Root	<u>305.12</u>	<u>2.93</u>
Tip (equivalent)	<u>148.97</u>	<u>1.13</u>
MAC	<u>284.45</u>	<u>2.16</u>
Fus. Sta. of .25 MAC	<u>1310.84</u>	<u>9.98</u>
W.P. of .25 MAC	<u>-137.06</u>	<u>-1.04</u>
B.L. of .25 MAC	<u>406.52</u>	<u>3.09</u>
Leading Edge Cuff		
Planform Area, ft ²	<u>31.79</u>	<u>0.0018</u>

MODEL COMPONENT. Horizontal Tail - H12

GENERAL DESCRIPTION. Basic horizontal tail as defined by NR lines dwg. 9992-130C
(Straight Wing Orbiter). Panels are fully movable (+30 to -50° and incorporate
elevators aft of 70% chord.

DRAWING NUMBER: 9992-130C
S-871, S-876-1,-2

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, ft ²		
Planform	<u>1816.</u>	<u>0.11</u>
Wetted		
Span (equivalent), ft	<u>79.48</u>	<u>0.60</u>
Aspect Ratio	<u>3.48</u>	<u>3.48</u>
Rate of Taper	<u>0.712</u>	<u>0.712</u>
Taper Ratio	<u>0.228</u>	<u>0.228</u>
Dihedral Angle, degrees	<u>7.0</u>	<u>7.0</u>
Incidence Angle, degrees	<u>0.0</u>	<u>0.0</u>
Aerodynamic Twist, degrees	<u>0.0</u>	<u>0.0</u>
Toe-In Angle	<u>-</u>	<u>-</u>
Can Angle	<u>-</u>	<u>-</u>
Sweep Back Angles, degrees		
Leading Edge	<u>40.00</u>	<u>40.00</u>
Trailing Edge	<u>6.90</u>	<u>6.90</u>
0.25 Element Line	<u>33.22</u>	<u>33.22</u>
Chords, in.		
Root (Horiz. Sta. 0.0)	<u>443.05</u>	<u>3.37</u>
Tip, (equivalent)	<u>101.02</u>	<u>0.77</u>
MAC	<u>307.87</u>	<u>2.34</u>
Fus. Sta. of .25 MAC	<u>1840.46</u>	<u>14.01</u>
W.P. of .25 MAC	<u>4.12</u>	<u>0.03</u>
B.L. of .25 MAC	<u>188.47</u>	<u>1.43</u>
Airfoil Section		
Root	<u>NACA 0012-64</u>	
Tip	<u>NACA 0012-64</u>	

EXPOSED DATA

Area, ft ²	<u>967.35</u>	<u>0.0560</u>
Span, (equivalent), ft	<u>53.24</u>	<u>0.405</u>
Aspect Ratio	<u>2.93</u>	<u>2.93</u>
Taper Ratio	<u>0.304</u>	<u>0.304</u>
Chords, in		
Root	<u>331.84</u>	<u>2.53</u>
Tip (equivalent)	<u>101.02</u>	<u>0.77</u>
MAC	<u>236.94</u>	<u>1.80</u>
Fus. Sta. of .25 MAC	<u>1906.37</u>	<u>14.51</u>
W.P. of .25 MAC	<u>16.26</u>	<u>0.12</u>
B.L. of .25 MAC	<u>287.37</u>	<u>2.19</u>

MODEL COMPONENT. Elevator - E12

GENERAL DESCRIPTION: Elevator used with E 12

DRAWING NUMBER - S-876-5-6; Lines 9992-1300

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>150.27</u>	<u>0.0087</u>
Span (equivalent)	<u>27.15</u>	<u>0.2066</u>
Inb'd equivalent chord	<u>99.87</u>	<u>0.76</u>
Outb'd equivalent chord	<u>32.96</u>	<u>0.2508</u>
Ratio movable surface chord/ total surface chord		.
At Inb'd equiv. chord	<u>0.30087</u>	<u>0.30087</u>
At Outb'd equiv. chord	<u>0.32967</u>	<u>0.32967</u>
Sweep Back Angles, degrees		
Leading Edge	<u>18.07</u>	<u>18.07</u>
Trailing Edge	<u>6.897</u>	<u>6.897</u>
Hingeline	<u>18.07</u>	<u>18.07</u>
Area Moment (Normal to hinge line)	<u>913.847</u>	<u>0.0004</u>

MODEL COMPONENT: Vertical Tail - V5

GENERAL DESCRIPTION: Basic centerline vertical tail of straight wing orbiter
as defined by NR lines 9992-130C.

DRAWING NUMBER: 9992-130C
S-871, S-876-13

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, ft ²		
Planform	<u>694.</u>	<u>0.04</u>
Wetted		
Span (equivalent), ft	<u>32.13</u>	<u>0.24</u>
Aspect Ratio	<u>1.49</u>	<u>1.49</u>
Rate of Taper	<u>0.721</u>	<u>0.721</u>
Taper Ratio	<u>0.302</u>	<u>0.302</u>
Dihedral Angle, degrees	<u>-</u>	<u>-</u>
Incidence Angle, degrees	<u>-</u>	<u>-</u>
Aerodynamic Twist, degrees	<u>-</u>	<u>-</u>
Toe-In Angle	<u>0.0</u>	<u>0.0</u>
Cant Angle	<u>0.0</u>	<u>0.0</u>
Sweep Back Angles, degrees		
Leading Edge	<u>43.25</u>	<u>43.25</u>
Trailing Edge	<u>12.42</u>	<u>12.42</u>
0.25 Element Line	<u>37.26</u>	<u>37.26</u>
Chords: in.		
Root (W.P. Sta. 0.0) W.P. 154.40	<u>398.03</u>	<u>3.029</u>
Tip, (equivalent)	<u>120.19</u>	<u>0.915</u>
MAC	<u>283.94</u>	<u>2.161</u>
Fus. Sta. of .25 MAC	<u>1931.90</u>	<u>14.702</u>
W.P. of .25 MAC	<u>312.75</u>	<u>2.38</u>
B.L. of .25 MAC	<u>0.0</u>	<u>0.0</u>
Airfoil Section		
Root	<u>NACA 0015-64</u>	
Tip	<u>NACA 0010-64</u>	

EXPOSED DATA

Area		
Span, (equivalent)		
Aspect Ratio		
Taper Ratio		
Chords		
Root		
Tip		
MAC		
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		
B.L. of .25 MAC		

TEST *** NAAL 632 *** DATA COLLATION SHEET

ALPHA SCHED. A = -4,-2,0,2,4,6,8,10,12,14,16

BETA SCHED. C = -4,-3,-2,-1,0,1,2,3,4,6,8

ALPHA SCHED. D = -4,-2,0,2,4,6,8,10,12,14,16,18,20,25,30

MACH NO. = .259 FOR ALL RUNS

COEFFICIENTS = CL CDF CLM CN CAF CLN CSL CY CLM/CNL/D

 * DATA SET * * SCHEDULE * CONTROL DEFL. * NO. *
 * IDENTIFIER * CONFIGURATION * * * OF *
 * * * ALPHA BETA * HOR ELEVTR * RUNS *

17

RCG001	B6 W10 H12 V5	A	0	1
RCG002	B6 W10 H12 V5	A	5	1
RCG003	B6 W10 H12 V5	0	C	1
RCG004	B6 W10 H12 V5	6	C	1
RCG005	B6 W10 H12 V5	12	C	1
RCG006	B6 N2 W10 H12 V5	A	0	1
RCG007	B6 N2 W10 H12 V5	A	5	1
RCG008	B6 N2 W10 H12 V5	0	C	1
RCG009	B6 N2 W10 H12 V5	6	C	1
RCG010	B6 N2 W10 H12 V5	12	C	1
RCG011	B6 N3 W10 H12 V5	A	0	1
RCG012	B6 N3 W10 H12 V5	A	5	1
RCG013	B6 N3 W10 H12 V5	0	C	1
RCG014	B6 N3 W10 H12 V5	6	C	1
RCG015	B6 N3 W10 H12 V5	12	C	1
RCG016	B6 N5 W10 H12 V5	A	0	1
RCG017	B6 N5 W10 H12 V5	A	5	1
RCG018	B6 N5 W10 H12 V5	0	C	1
RCG019	B6 N5 W10 H12 V5	6	C	1
RCG020	B6 N5 W10 H12 V5	12	C	1
RCG023	B6 N4 W10 H12 V5	0	C	1
RCG024	B6 N4 W10 H12 V5	6	C	1
RCG025	B6 N4 W10 H12 V5	12	C	1
RCG026	B6 N W10 H12 V5	A	0	1
RCG027	B6 N W10 H12 V5	A	5	1

TEST *** NAAL 632 *** DATA COLLATION SHEET
 ALPHA SCHED. A = -4,-2,0,2,4,6,8,10,12,14,16
 BETA SCHED. C = -4,-3,-2,-1,0,1,2,3,4,6,8
 ALPHA SCHED. D = -4,-2,0,2,4,6,8,10,12,14,16,18,20,25,30
 MACH NO. = .259 FOR ALL RUNS
 COEFFICIENTS = CL CDF CLM CN CAF | CLN CSL CY CLM/CNL/D

```

*****
* DATA SET *          * SCHEDULE * CONTROL DEFL. * NO. *
* IDENTIFIER * CONFIGURATION *          *          * OF *
*          *          * ALPHA BETA * HOR ELEVTR * RUNS *
*****
  RCG028      B6 N W10 H12 V5          0 C          1
  RCG029      B6 N W10 H12 V5          6 C          1
  RCG030      B6 N W10 H12 V5         12 C          1
  RCG031      B6 W10 H12              A 0          1
  RCG032      B6 W10 H12              A 5          1
  RCG033      B6 W10 H12              0 C          1
  RCG034      B6 W10 H12              6 C          1
  RCG035      B6 W10 H12             12 C          1
  RCG036      B6 W10 N2 H12           A 0          1
  RCG037      B6 N2 W10 H12           A 5          1
  RCG038      B6 N2 W10 H12           0 C          1
  RCG039      B6 N2 W10 H12           6 C          1
  RCG040      B6 N2 W10 H12          12 C          1
  RCG041      B6 N4 W10 H12           A 0          1
  RCG042      B6 N4 W10 H12           A 5          1
  RCG043      B6 N4 W10 H12           0 C          1
  RCG044      B6 N4 W10 H12           6 C          1
  RCG045      B6 N4 W10 H12          12 C          1
  RCG046      B6 W10 V5              A 0          1
  RCG047      B6 W10 V5              A 5          1
  RCG048      B6 W10 V5              0 C          1
  RCG049      B6 W10 V5              6 C          1
  RCG050      B6 W10 V5             12 C          1
  RCG051      B6 N2 W10 V5           A 0          1
  RCG052      B6 N2 W10 V5           A 5          1

```

8T

TEST *** NAAL 632 *** DATA COLLATION SHEET

ALPHA SCHED. A = -4,-2,0,2,4,6,8,10,12,14,16

BETA SCHED. C = -4,-3,-2,-1,0,1,2,3,4,6,8

ALPHA SCHED. D = -4,-2,0,2,4,6,8,10,12,14,16,18,20,25,30

MACH NO. = .259 FOR ALL RUNS

COEFFICIENTS = CL CDF CLM CN CAF CLN CSL CY CLM/CNL/D

 * DATA SET * * SCHEDULE * CONTROL DEFL. * NO. *
 * IDENTIFIER * CONFIGURATION * * * OF *
 * * * ALPHA BETA * HOR ELEVTR * RUNS *

19

RCG053	B6 N2 W10 V5	0	C					1
RCG054	B6 N2 W10 V5	6	C					1
RCG055	B6 N2 W10 V5	12	C					1
RCG056	B6 N4 W10 V5	A	0					1
RCG057	B6 N4 W10 V5	A	5					1
RCG058	B6 N4 W10 V5	0	C					1
RCG059	B6 N4 W10 V5	6	C					1
RCG060	B6 N4 W10 V5	12	C					1
RCG061	B6 N4 W10 H12 V5	A	0					1
RCG062	B6 N4 W10 H12 V5	A	5					1
RCG063	B6 N4 W10 H12 V5	A	0			-10		1
RCG064	B6 N4 W10 H12 V5	A	5			-10		1
RCG065	B6 N2 W10 H12 V5	A	0			-10		1
RCG066	B6 N2 W10 H12 V5	A	5			-10		1
RCG067	B9 W10 H12 V5	A	0					1
RCG068	B9 W10 H12 V5	A	5					1
RCG069	B9 W10 H12 V5	0	C					1
RCG070	B9 W10 H12 V5	6	C					1
RCG071	B9 W10 H12 V5	12	C					1
RCG072	B9 N2 W10 H12 V5	A	0					1
RCG073	B9 N2 W10 H12 V5	A	5					1
RCG074	B9 N2 W10 H12 V5	0	C					1
RCG075	B9 N2 W10 H12 V5	6	C					1
RCG076	B9 N2 W10 H12 V5	12	C					1
RCG077	B9 W10 H12	A	0					1

TEST *** NAAL 632 *** DATA COLLATION SHEET
 ALPHA SCHED. A = -4,-2,0,2,4,6,8,10,12,14,16
 BETA SCHED. C = -4,-3,-2,-1,0,1,2,3,4,6,8
 ALPHA SCHED. D = -4,-2,0,2,4,6,8,10,12,14,16,18,20,25,30
 MACH NO. = .259 FOR ALL RUNS
 COEFFICIENTS = CL CDF CLM CN CAF CLN CSL CY CLM/CNL/D

```

*****
* DATA SET *          * SCHEDULE * CONTROL DEFL. * NO. *
* IDENTIFIER * CONFIGURATION *          *          * OF *
*          *          * ALPHA BETA * HOR  ELEVTR * RUNS *
*****
RCG078      B9 W10 H12          A    5          1
RCG079      B9 W10 H12          0    C          1
RCG080      B9 W10 H12          6    C          1
RCG081      B9 W10 H12         12    C          1
RCG082      B9 W10             A    0          1
RCG083      B9 W10             A    5          1
RCG084      B9 W10             0    C          1
RCG085      B9 W10             6    C          1
RCG086      B9 W10            12    C          1
RCG087      B9                 A    0          1
RCG088      B9                 A    5          1
RCG089      B9                 0    C          1
RCG090      B9                 6    C          1
RCG091      B9                12    C          1
RCG092      B6 W10 H12E12 V5    D    0          0   -10    1
RCG093      B6 W10 H12E12 V5    D    0          0   -20    1
RCG094      B6 W10 H12E12 V5    D    0          0   -30    1
RCG096      B6 W10 H12E12 V5    D    0          0    20    1
RCG097      B6 W10 H12E12 V5    D    0          0    10    1
RCG098      B6 W10 H12E12 V5    D    0          10    10    1
RCG099      B6 W10 H12E12 V5    D    0          10   -10    1
RCG100      B6 W10 H12E12 V5    D    0         -10   -10    1
RCG101      B6 W10 H12E12 V5    D    0         -10    10    1
RCG102      B6 N6 W10 H12 V5    A    0          1
RCG103      B6 N6 W10 H12 V5    0    C          1

```

TEST *** MAAL 632 *** DATA COLLATION SHEET
 ALPHA SCHED. A = -4,-2,0,2,4,6,8,10,12,14,16
 BETA SCHED. C = -4,-3,-2,-1,0,1,2,3,4,6,8
 ALPHA SCHED. D = -4,-2,0,2,4,6,8,10,12,14,16,18,20,25,30
 MACH NO. = .259 FOR ALL RUNS
 COEFFICIENTS = CL CDF CLM CN CAF CLN CSL CY CLM/CNL/D

```

*****
* DATA SET *          * SCHEDULE * CONTROL DEFL. * NO. *
* IDENTIFIER * CONFIGURATION *          *          * OF *
*          *          * ALPHA BETA * -HOR ELEVTR * RUNS *
*****
RCG104      B6 N6 W10 H12 V5      6      C          1
RCG105      B6 N6 W10 H12 V5     12      C          1
RCG106      B6N6W10H12E12V5      A      0          0      -10      1
RCG107      B6N W10H12E12V5      A      0          0      -10      1
RCG108      B6N W10H12E12V5      A      0          0       10      1

```

TEST FACILITY DESCRIPTION

The North American Rockwell Aerodynamics Laboratory (NAAL) 7.75 x 11 foot Wind Tunnel (located at the International Airport, Los Angeles, California) is a continuous flow, closed circuit single return type tunnel, capable of speeds up to 220 miles per hour. The test section is vented to atmospheric pressure and is 7.75 feet high by 11 feet wide by 12 feet in length. Power is supplied by a 1250 horsepower nacelle mounted synchronous motor driving a 19 foot seven blade laminated birch propeller. The airspeed is controlled by varying the degree of coupling between the motor and propeller by means of a magnetic clutch. A damping screen and honeycomb section have been installed in the settling chamber upstream from the contraction cone (ratio 7.53 to 1) to minimize turbulence in the test section. The NAAL Wind Tunnel has been in operation since June 1943 and calibrations are available over a wide range of test conditions.

Tests may be conducted using a variety of mounting systems, e.g., a single strut, double strut, sting strut, reflection plane, cable suspension, and two dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting mounted internal balances. Instrumentation is available for recording 24 channels of force data on strip chart recorders and for photographically recording multiple pressures on manometer boards. These data are rapidly reduced and plotted by automatic data processing equipment. Additional information about this facility is presented in the Users Manual for the North American Aviation, Inc., NAAL 7.75 x 11 foot Wind Tunnel (NA-60-1346).

NOMENCLATURE

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
A_b		base area; m^2 , ft^2 , in^2
a		speed of sound; m/sec, ft/sec
AR	ASPECT	aspect ratio, b^2/S
b	REFB	wing span or reference span; m, ft, in
c		wing chord; m, ft, in
\bar{c}		wing mean aerodynamic chord or reference chord; m, ft, in (see l_{ref} or refl)
c. g.		center of gravity
C. P.		center of pressure
C_A	CA	axial force coefficient, F_A/qS_{ref}
C_{A_b}	CAB	base axial force coefficient, $[(p_\infty - p_b)/q] (A_b/S_{ref})$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_D	CDTOTL	drag force coefficient in the wind axis system, $F_D/q S_{ref}$

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C'_D	CD	drag force coefficient in the stability axis system, $F'_D/q S_{ref}$
C_L	CL	lift force coefficient (stability or wind axis) $F_L/q S_{ref}$
C_l	CBL	rolling moment coefficient in body axis system, $M_x/q S_{ref} b$
$C_{l,s}$	CSL	rolling moment coefficient in the stability axis system, $M_{x,s}/q S_{ref} b$
$C_{l,w}$	CWL	rolling moment coefficient in the wind axis system, $M_{x,w}/q S_{ref} b$
C_m	CLM	pitching moment coefficient in the body axis system, $M_y/q S_{ref} \ell_{ref}$
$C_{m,s}$	CLM	pitching moment coefficient in the stability axis system, $C_{m,s} = C_m$
$C_{m,w}$	CPM	pitching moment coefficient in the wind axis system, $M_{y,w}/q S_{ref} \ell_{ref}$
C_N	CN	normal force coefficient in the body axis system, $F_N/q S_{ref}$

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C_n	CYN	yawing moment coefficient in the body axis system, $M_z/q S_{ref} b$
$C_{n,s}$	CLN	yawing moment coefficient in the stability axis system, $C_{n,s} = C_n$
$C_{n,w}$	CLN	yawing moment coefficient in the wind axis system, $M_{z,w}/q S_{ref} b$
C_p	CP	pressure coefficient, $(p-p_\infty)/q$
C_y	CY	side force coefficient (body or stability axis system), $F_y/q S_{ref}$
C_c	CC	side force coefficient (wind axis system), $F_y/q S_{ref}$
F_A		axial force; N, lb
F_D		drag force in wind axis system; N, lb
F'_D		drag force in the stability axis system; N, lb
F_L		lift force (stability or wind axis system); N, lb
F_N		normal force; N, lb

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
F_Y		side force; N, lb
	N/A	normal to axial force ratio
l_{ref}	REFL	reference length; m, ft, in (see \bar{c})
L/D	L/D	lift-to-drag ratio, C_L/C_D (stability axis system)
L/D	CL/CD	lift-to-drag ratio, C_L/C_D (wind axis system)
M	MACH	Mach number
MRP	MRP	abbreviation for moment reference point
	XMRP	abbreviation for moment reference point on x-axis
	YMRP	abbreviation for moment reference point on y-axis
	ZMRP	abbreviation for moment reference point on z-axis
M_x		rolling moment in the body axis system; N-m, ft-lb
$M_{x,s}$		rolling moment in the stability axis system; N-m, ft-lb

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
$M_{x,w}$		rolling moment in the wind axis system; N-m, ft-lb
M_y		pitching moment in the body (or stability) axis system; N-m, ft-lb
$M_{y,w}$		pitching moment in the wind axis system; N-m, ft-lb
M_z		yawing moment in the body axis system; N-m, ft-lb
$M_{z,w}$		yawing moment in the wind axis system; N-m, ft-lb
p		static pressure; N/m ² ; psi
P		total pressure; N/m ² ; psi
q	Q(PSI) Q(PSF)	dynamic pressure; N/m ² , psi, psf
RN/L	RN/L	Reynold's number per unit length; million/ft.
S		wing area; m ² , ft ²
S_{ref}	REFS	reference area; m ² , ft ²
T		temperature; °K, °C, °R, °F
V		speed of vehicle relative to surrounding atmosphere; m/sec, ft/sec

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
i_T		tail incidence positive when trailing edge down, deg
\bar{V}		velocity of vehicle relative to surrounding atmosphere; m/sec, ft/sec
α	ALPHA	angle of attack, angle between the projection of the wind X_w -axis on the body X, Z-plane and the body X-axis; deg
β	BETA	sideslip angle, angle between the wind X_w -axis and the projection of this axis on the body X-Z-plane; deg
γ		ratio of specific heats
Γ	DIHDRL	wing dihedral angle; deg
δ		control surface deflection angle; deg
		positive deflections are:
	AILRON	aileron - left aileron trailing edge down
	ELVATR	elevator - trailing edge down
	RUDDER	rudder - trailing edge to the left
	FLAP	flap - trailing edge down
	TAB	tab - trailing edge down with respect to control surface
ρ		air density; K_g/m^3 , slugs/ft ³

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>SADGAC SYMBOL</u>	<u>DEFINITION</u>
θ		pitch angle, angle of rotation about the body Y-axis, positive when the positive Z-axis is rotated toward the positive X-axis; deg
ϕ	PHI	roll angle, angle of rotation about the body X-axis, positive when the positive Y-axis is rotated toward the positive Z-axis; deg
ψ	PSI	yaw angle, angle of rotation about the body Z-axis, positive when the positive X-axis is rotated toward the positive Y-axis; deg

NOMENCLATURE (continued)

SUBSCRIPTS

DEFINITION

a	aileron
b	base
c	canard
e	elevator or elevon
f	flap
r	rudder or ruddervator
s	stability axis system
t	tail, or total conditions
w	wind axis system
ref	reference conditions
∞	freestream condition

ADDITIONS TO
NOMENCLATURE

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C_{A_f}	CAF	forebody axial force coefficient, $C_A = C_{A_b} + C_{A_{bc}}$
	HOR	horizontal tail deflection angle (degrees), positive with trailing edge down
$C_{A_{bc}}$		axial force coefficient due to sting cavity - $(p_{sc} - p_{\infty}) (A_{sc}/S_{ref})$
p_{sc}		sting cavity pressure
A_{sc}		sting cavity area

FIGURES

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows.
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity.

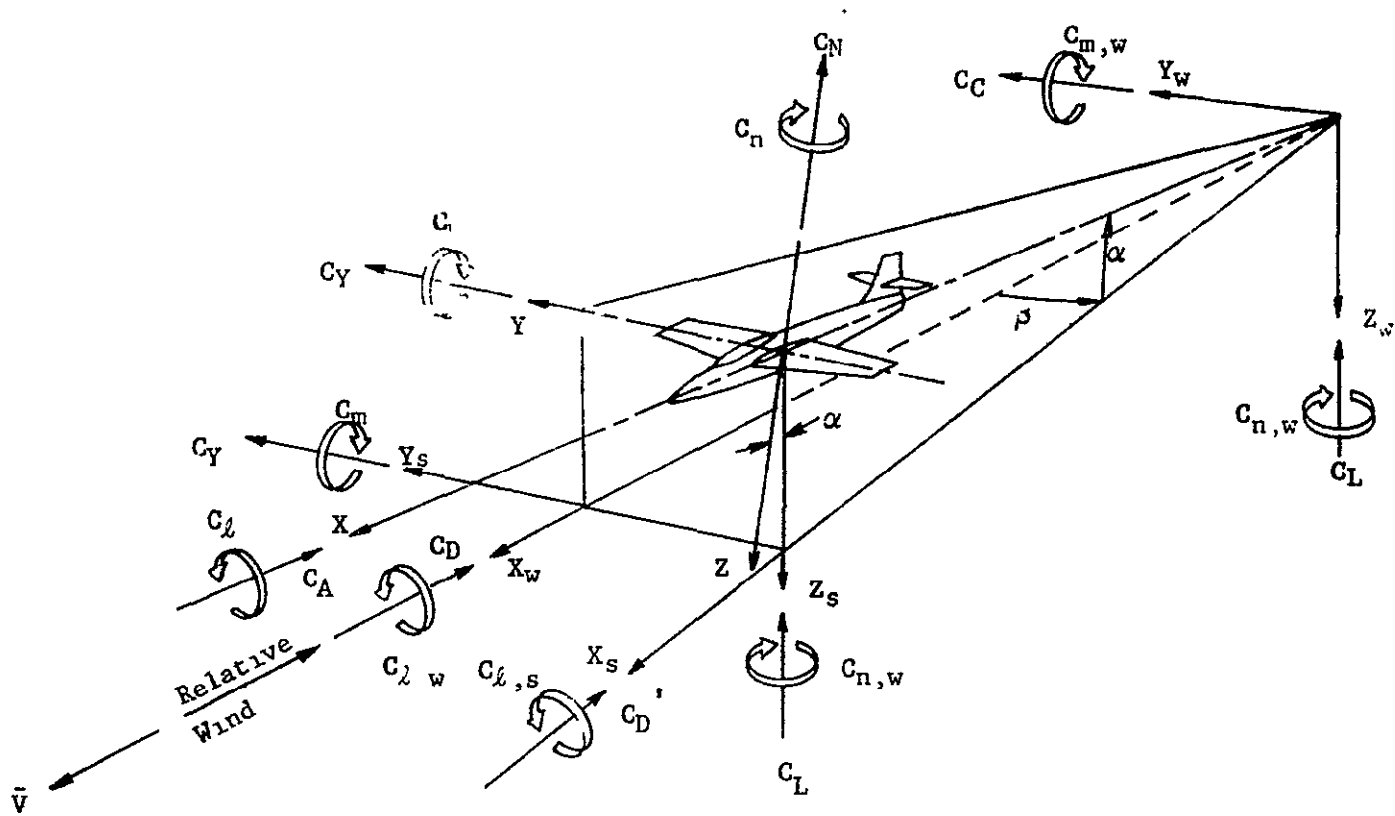


Figure 1. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle

GENERAL ARRANGEMENT
NAR STRAIGHT WING ORBITER
REF. DWG 9992-1300 & 130G

LOS ANGELES DIVISION
NORTH AMERICAN ROCKWELL CORPORATION

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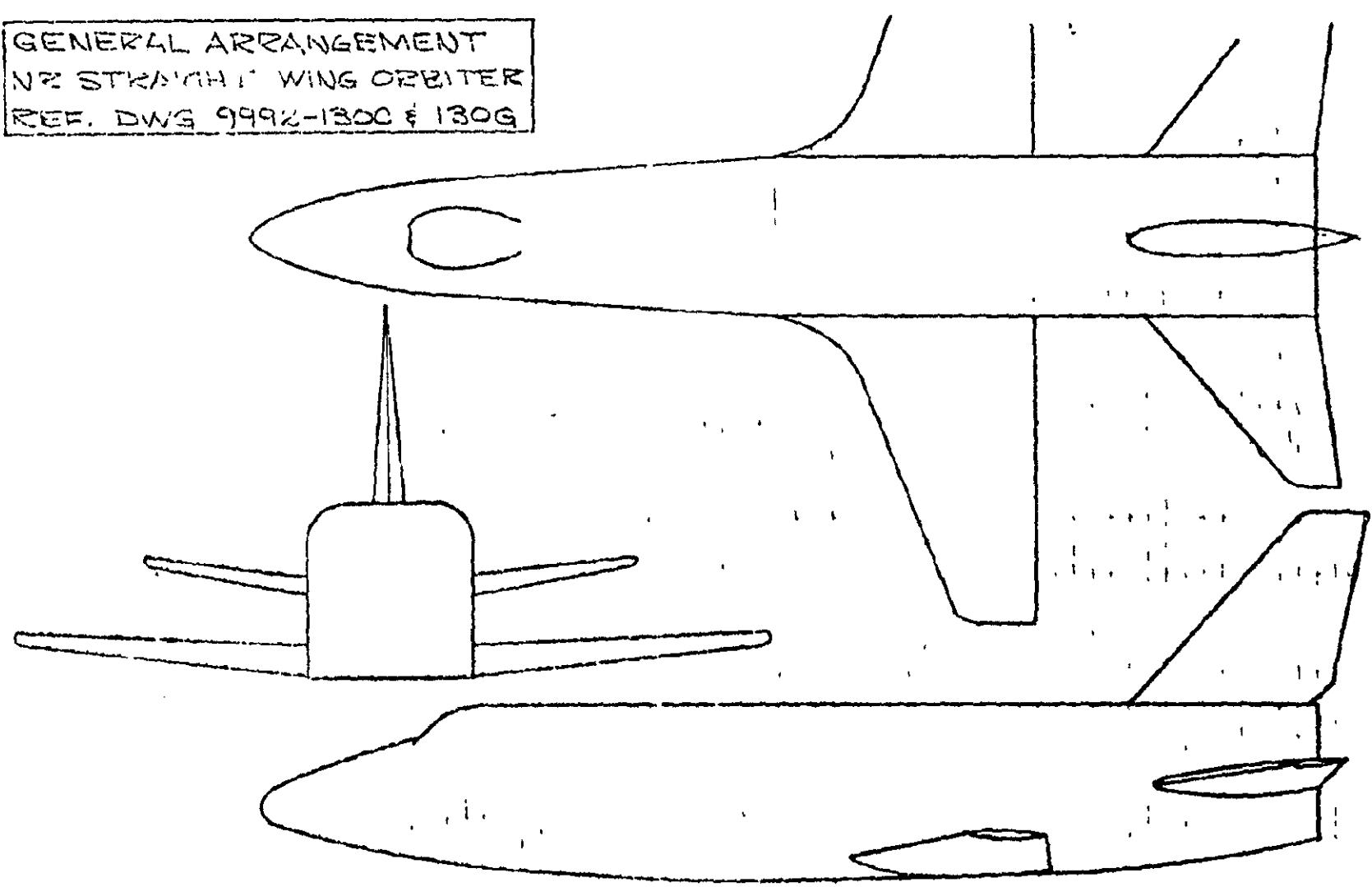
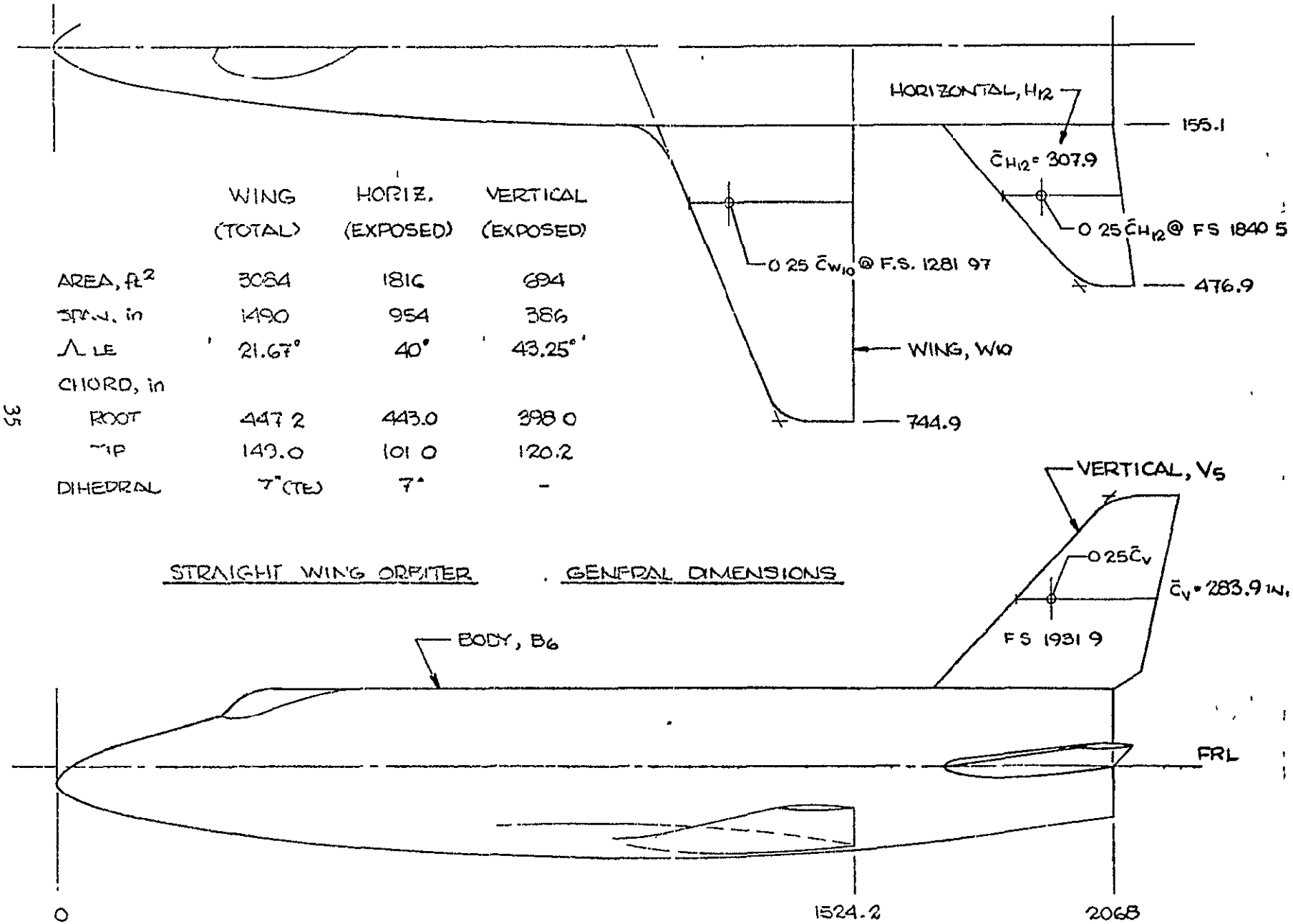


FIGURE 2. GENERAL ARRANGEMENT OF NAR STRAIGHT WING ORBITER

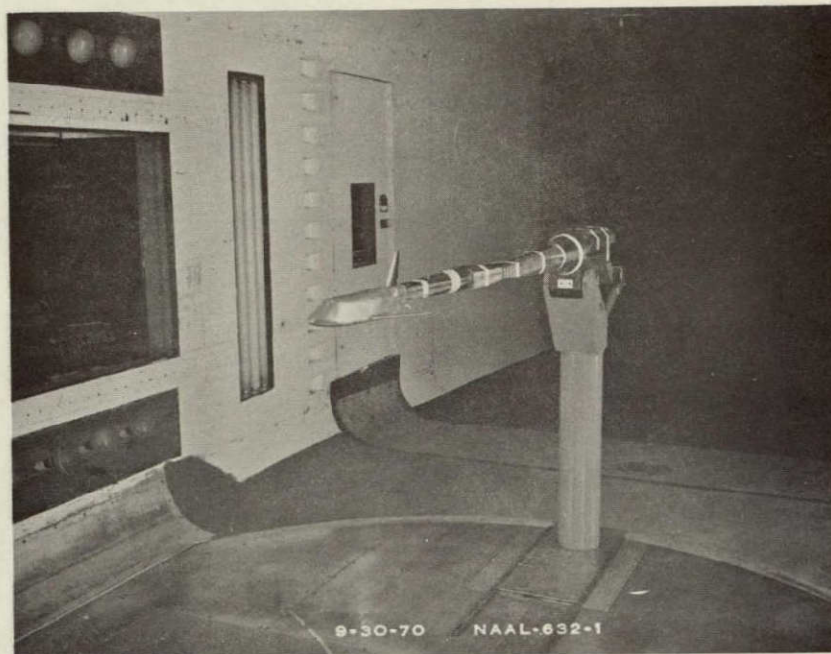
FIGURE 3. NAR STRAIGHT-WING ORBITER GENERAL DIMENSIONS



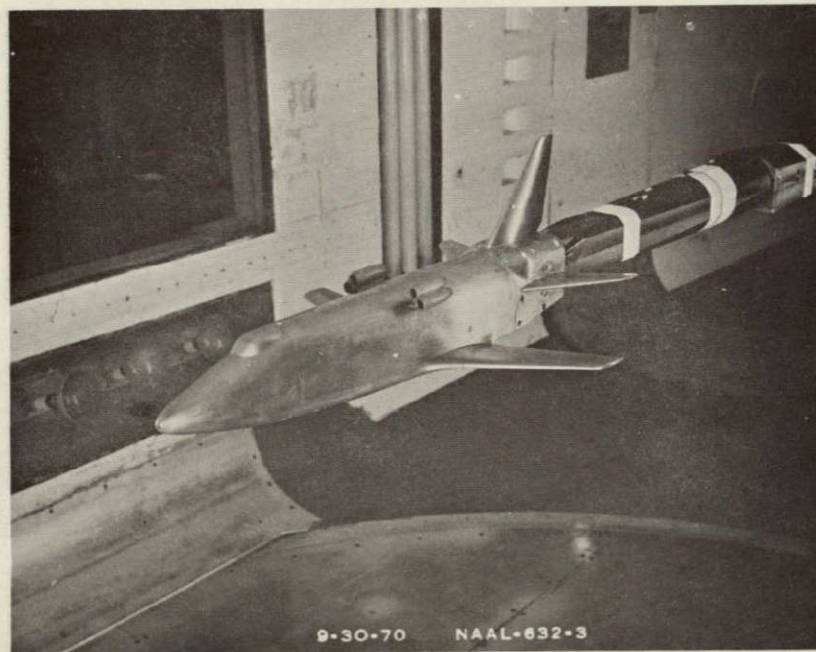
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NOT REPRODUCIBLE

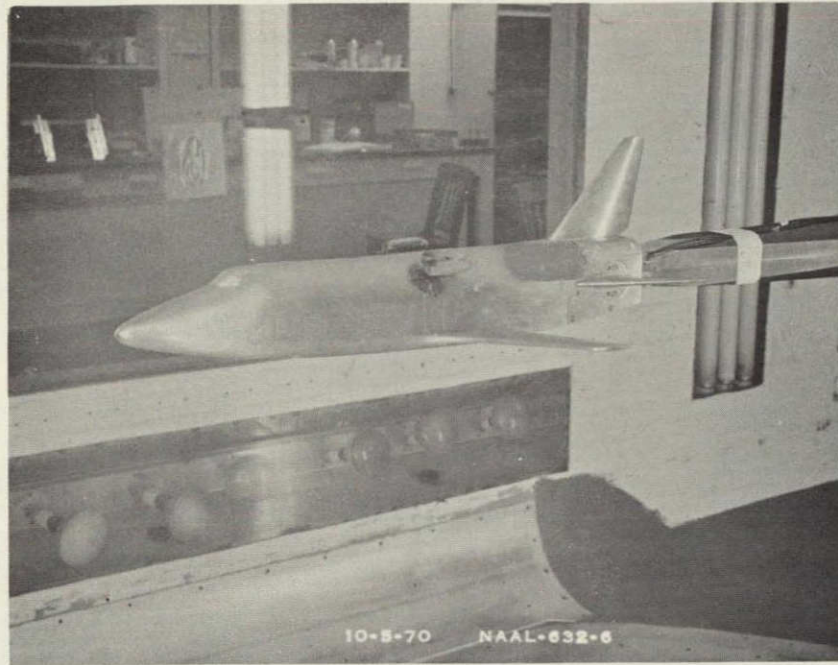


3/4 Front View B6 W10 H12 V5 Configuration

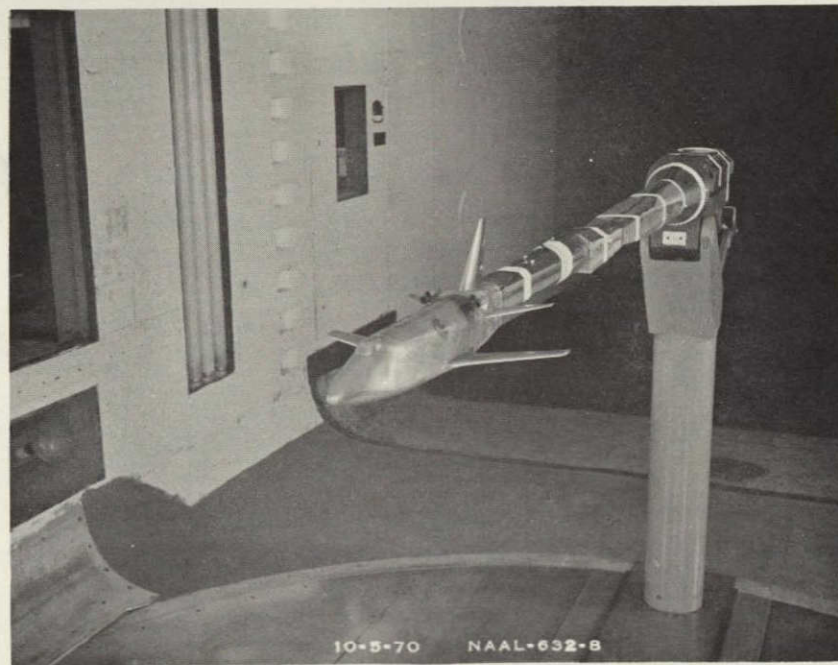


3/4 Front View B6 N2 W10 H12 V5 Configuration

FIGURE 5. PHOTOGRAPHS OF MODEL IN WIND TUNNEL



3/4 Front View B9 N2 W10 H12 V5 Configuration



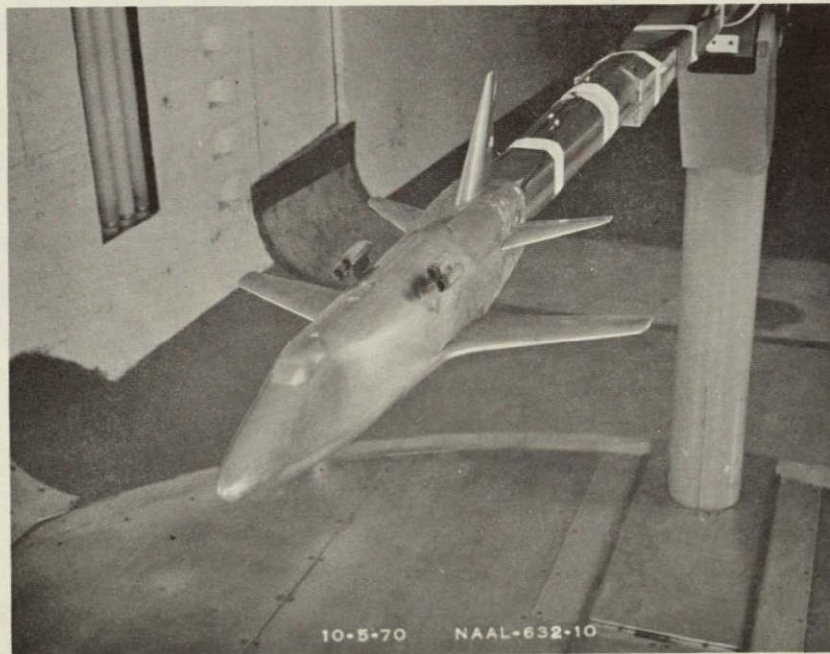
3/4 Front View B6 N4 W10 H12 V5 Configuration

FIGURE 6. PHOTOGRAPHS OF MODEL IN WIND TUNNEL

NOT REPRODUCIBLE



3/4 Front View B6 N W10 H12 V5 Configuration



3/4 Front View B9 N2 W10 H12 V5 Configuration

FIGURE 7. PHOTOGRAPHS OF MODEL IN WIND TUNNEL

DATA DISPLAY INDEX

DATA PLOT INDEX

COMPONENT BUILDUP

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG046 RCG031 RCG001 RCG006

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE	
		BEGINNING	ENDING
CN	ALPHA	1	1
CLM	ALPHA	2	2
CAF	ALPHA	3	3
CLM/CN	ALPHA	4	4
CL	ALPHA	5	5
CDF	ALPHA	6	6
L/O	ALPHA	7	7

DATA PLOT INDEX

COMPONENT BUILDUP

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG046 RCG031 RCG001 RCG006

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE	
		BEGINNING	ENDING
CN	CLM	8	8
CN	CAF	9	9
CL	CLM	10	10
CL	CDF	11	11

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG046 RCG047

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	12	12
CLM	ALPHA	13	13
CAF	ALPHA	14	14
CLM/CN	ALPHA	15	15
CL	ALPHA	16	16
CDF	ALPHA	17	17
L/D	ALPHA	18	18

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG046 RCG047

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	19	19
CN	CAF	20	20
CL	CLM	21	21
CL	CDF	22	22

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASFTS PLOTTED:
RCG031 RCG032

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	23	23
CLM	ALPHA	24	24
CAF	ALPHA	25	25
CLM/CN	ALPHA	26	26
CL	ALPHA	27	27
CDF	ALPHA	28	28
L/D	ALPHA	29	29

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
RCG031 RCG032

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	30	30
CN	CAF	31	31
CL	CLM	32	32
CL	CDF	33	33

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG001 RCG002

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	34	34
CLM	ALPHA	35	35
CAF	ALPHA	36	36
CLM/CN	ALPHA	37	37
CL	ALPHA	38	38
CDF	ALPHA	39	39
L/D	ALPHA	40	40

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG001 RCG002

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	41	41
CN	CAF	42	42
CL	CLM	43	43
CL	CDF	44	44

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG006 RCG007

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	45	45
CLM	ALPHA	46	46
CAF	ALPHA	47	47
CLM/CN	ALPHA	48	48
CL	ALPHA	49	49
CDF	ALPHA	50	50
L/D	ALPHA	51	51

DATA PLOT INDEX

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG006 RCG007

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	52	52
CN	CAF	53	53
CL	CLM	54	54
CL	CDF	55	55

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG026 RCG006 RCG061

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	56	56
CLM	ALPHA	57	57
CAF	ALPHA	58	58
CLM/CN	ALPHA	59	59
CL	ALPHA	60	60
CDF	ALPHA	61	61
L/D	ALPHA	62	62

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG026 RCG006 RCG061

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	63	63
CN	CAF	64	64
CL	CLM	65	65
CL	CDF	66	66

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) BETA = 5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG027 RCG007 RCG062

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE	
		BEGINNING	ENDING
CN	ALPHA	67	67
CLM	ALPHA	68	68
CAF	ALPHA	69	69
CLM/CN	ALPHA	70	70
CL	ALPHA	71	71
CDF	ALPHA	72	72
L/D	ALPHA	73	73

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) BETA = 5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG027 RCG007 RCG062

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE	
		BEGINNING	ENDING
CN	CLM	74	74
CN	CAF	75	75
CL	CLM	76	76
CL	CDF	77	77

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

~~RCG006~~ RCG011 ~~RCG061~~ RCG016

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	78	78
CLM	ALPHA	79	79
CAF	ALPHA	80	80
CLM/CN	ALPHA	81	81
CL	ALPHA	82	82
CDF	ALPHA	83	83
L/D	ALPHA	84	84

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

~~RCG006~~ RCG011 ~~RCG061~~ RCG016

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	85	85
CN	CAF	86	86
CL	CLM	87	87
CL	CDF	88	88

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG007 RCG012 RCG062 RCG017

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	89	89
CLM	ALPHA	90	90
CAF	ALPHA	91	91
CLM/CN	ALPHA	92	92
CL	ALPHA	93	93
CDF	ALPHA	94	94
L/D	ALPHA	95	95

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG007 RCG012 RCG062 RCG017

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	96	96
CN	CAF	97	97
CL	CLM	98	98
CL	CDF	99	99

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG006 RCG036 RCG051

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	100	100
CLM	ALPHA	101	101
CAF	ALPHA	102	102
CLM/CN	ALPHA	103	103
CL	ALPHA	104	104
CDF	ALPHA	105	105
L/D	ALPHA	106	106

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG006 RCG036 RCG051

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	107	107
CN	CAF	108	108
CL	CLM	109	109
CL	CDF	110	110

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG007 RCG037 RCG052

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	111	111
CLM	ALPHA	112	112
CAF	ALPHA	113	113
CLM/CN	ALPHA	114	114
CL	ALPHA	115	115
CDF	ALPHA	116	116
L/D	ALPHA	117	117

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG007 RCG037 RCG052

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	118	118
CN	CAF	119	119
CL	CLM	120	120
CL	CDF	121	121

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

~~RCG061~~ ~~RCG041~~ ~~RCG056~~

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	122	122
CLM	ALPHA	123	123
CAF	ALPHA	124	124
CLM/CN	ALPHA	125	125
CL	ALPHA	126	126
CDF	ALPHA	127	127
L/D	ALPHA	128	128

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

~~RCG061~~ ~~RCG041~~ ~~RCG056~~

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	129	129
CN	CAF	130	130
CL	CLM	131	131
CL	CDF	132	132

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG062 RCG042 RCG057

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	133	133
CLM	ALPHA	134	134
CAF	ALPHA	135	135
CLM/CN	ALPHA	136	136
CL	ALPHA	137	137
CDF	ALPHA	138	138
L/D	ALPHA	139	139

DATA PLOT INDEX

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG062 RCG042 RCG057

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	140	140
CN	CAF	141	141
CL	CLM	142	142
CL	CDF	143	143

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG
 DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG035 RCG006

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	144	144
CLM	ALPHA	145	145
CAF	ALPHA	146	146
CLM/CN	ALPHA	147	147
CL	ALPHA	148	148
CDF	ALPHA	149	149
L/D	ALPHA	150	150

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG
 DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG035 RCG006

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	151	151
CN	CAF	152	152
CL	CLM	153	153
CL	CDF	154	154

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG
DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG063 RCG061

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	155	155
CLM	ALPHA	156	156
CAF	ALPHA	157	157
CLM/CN	ALPHA	158	158
CL	ALPHA	159	159
CDF	ALPHA	160	160
L/D	ALPHA	161	161

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG
DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG063 RCG061

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	162	162
CN	CAF	163	163
CL	CLM	164	164
CL	CDF	165	165

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
RCG066 RCG007

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	166	166
CLM	ALPHA	167	167
CAF	ALPHA	168	168
CLM/CN	ALPHA	169	169
CL	ALPHA	170	170
CDF	ALPHA	171	171
L/D	ALPHA	172	172

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
RCG066 RCG007

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	173	173
CN	CAF	174	174
CL	CLM	175	175
CL	CDF	176	176

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG
 DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG064 RCG062

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	177	177
CLM	ALPHA	178	178
CAF	ALPHA	179	179
CLM/CN	ALPHA	180	180
CL	ALPHA	181	181
CDF	ALPHA	182	182
L/D	ALPHA	183	183

DATA PLOT INDEX

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG
 DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG064 RCG062

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	184	184
CN	CAF	185	185
CL	CLM	186	186
CL	CDF	187	187

DATA PLOT INDEX

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG001 RCG067

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	188	188
CLM	ALPHA	189	189
CAF	ALPHA	190	190
CLM/CN	ALPHA	191	191
CL	ALPHA	192	192
CDP	ALPHA	193	193
L/D	ALPHA	194	194

DATA PLOT INDEX

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG001 RCG067

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	195	195
CN	CAF	196	196
CL	CLM	197	197
CL	CDP	198	198

DATA PLOT INDEX

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9) BETA = 5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG002 RCG068

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	199	199
CLH	ALPHA	200	200
CAF	ALPHA	201	201
CLM/CN	ALPHA	202	202
CL	ALPHA	203	203
CDF	ALPHA	204	204
L/D	ALPHA	205	205

DATA PLOT INDEX

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9) BETA = 5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG002 RCG068

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	206	206
CN	CAF	207	207
CL	CLM	208	208
CL	CDF	209	209

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG094 RCG093 RCG092 RCG001

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE	
		BEGINNING	ENDING
CN	ALPHA	210	210
CLM	ALPHA	211	211
CAF	ALPHA	212	212
CLM/CN	ALPHA	213	213
CL	ALPHA	214	214
CDF	ALPHA	215	215
L/D	ALPHA	216	216

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG094 RCG093 RCG092 RCG001

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE	
		BEGINNING	ENDING
CN	CLM	217	217
CN	CAF	218	218
CL	CLM	219	219
CL	CDF	220	220

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS (CONT.) BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG001 RCG097 RCG096

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	221	221
CLM	ALPHA	222	222
CAF	ALPHA	223	223
CLM/CN	ALPHA	224	224
CL	ALPHA	225	225
CDF	ALPHA	226	226
L/D	ALPHA	227	227

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS (CONT.) BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG001 RCG097 RCG096

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CL	CLM	228	228
CN	CAF	229	229
CL	CLM	230	230
CL	CDF	231	231

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG099 RCG098

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	232	232
CLM	ALPHA	233	233
CAF	ALPHA	234	234
CLM/CN	ALPHA	235	235
CL	ALPHA	236	236
CDF	ALPHA	237	237
L/D	ALPHA	238	238

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
 RCG099 RCG098

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	239	239
CN	CAF	240	240
CL	CLM	241	241
CL	CDF	242	242

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
RCG100 RCG101

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	243	243
CLM	ALPHA	244	244
CAF	ALPHA	245	245
CLM/CN	ALPHA	246	246
CL	ALPHA	247	247
CDF	ALPHA	248	248
L/D	ALPHA	249	249

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:
RCG100 RCG101

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	250	250
CN	CAF	251	251
CL	CLM	252	252
CL	CDF	253	253

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG102 RCG026

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	254	254
CLM	ALPHA	255	255
CAF	ALPHA	256	256
CLM/CN	ALPHA	257	257
CL	ALPHA	258	258
CDF	ALPHA	259	259
L/D	ALPHA	260	260

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG102 RCG026

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	261	261
CN	CAF	262	262
CL	CLM	263	263
CL	CDF	264	264

DATA PLOT INDEX

COMPONENT BUILDUP WITH FAIRED FUSLLAGE B9

BETA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG087 RCG082 RCG077 RCG067 RCG072

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	265	265
CLM	ALPHA	266	266
CAF	ALPHA	267	267
CLM/CN	ALPHA	268	268
CL	ALPHA	269	269
CDF	ALPHA	270	270
L/D	ALPHA	271	271

DATA PLOT INDEX

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG087 RCG082 RCG077 RCG067 RCG072

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	272	272
CN	CAF	273	273
CL	CLM	274	274
CL	CDF	275	275

DATA PLOT INDEX

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG088 RCG083 RCG078 RCG068 RCG073

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	276	276
CLM	ALPHA	277	277
CAF	ALPHA	278	278
CLM/CN	ALPHA	279	279
CL	ALPHA	280	280
CDF	ALPHA	281	281
L/D	ALPHA	282	282

DATA PLOT INDEX

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG088 RCG083 RCG078 RCG068 RCG073

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	283	283
CN	CAF	284	284
CL	CLM	285	285
CL	CDF	286	286

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG106 RCG107

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	287	287
CLM	ALPHA	288	288
CAF	ALPHA	289	289
CLM/CN	ALPHA	290	290
CL	ALPHA	291	291
CDF	ALPHA	292	292
L/D	ALPHA	293	293

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH NACELLES

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG106 RCG107

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	294	294
CN	CAF	295	295
CL	CLM	296	296
CL	CDF	297	297

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG107 RCG108

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	ALPHA	298	298
CLM	ALPHA	299	299
CAF	ALPHA	300	300
CLM/CN	ALPHA	301	301
CL	ALPHA	302	302
CDF	ALPHA	303	303
L/D	ALPHA	304	304

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS WITH NACELLES

DEPENDENT VARIABLE VS DEPENDENT VARIABLE, PARAMETRIC STUDY

DATASETS PLOTTED:

RCG107 RCG108

DEPENDENT VARIABLE	DEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CN	CLM	305	305
CN	CAF	306	306
CL	CLM	307	307
CL	CDF	308	308

DATA PLOT INDEX

COMPONENT BUILD UP ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG048 RCG033 RCG003 RCG008

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	309	309
CLN	BETA	310	310
CY	BETA	311	311

DATA PLOT INDEX

COMPONENT BUILD UP ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG048 TCG033 TCG003 TCG008

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	312	312
CYN	BETA	313	313

DATA PLOT INDEX

COMPONENT BUILD UP ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG049 RCG034 RCG004 RCG009

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	314	314
CLN	BETA	315	315
CY	BETA	316	316

DATA PLOT INDEX

COMPONENT BUILD UP ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG049 TCG034 TCG004 TCG009

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	317	317
CYN	BETA	318	318

DATA PLOT INDEX

COMPONENT BUILD UP ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG050 RCG035 RCG005 RCG010

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	319	319
CLN	BETA	320	320
CY	BETA	321	321

DATA PLOT INDEX

COMPONENT BUILD UP ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
TCG050 TCG035 TCG005 TCG010

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	322	322
CYN	BETA	323	323

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG028 RCG008 RCG023

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	324	324
CLN	BETA	325	325
CY	BETA	326	326

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASLTS

DATASETS PLOTTED:
TCG028 TCG008 TCG023

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	327	327
CYN	BETA	328	328

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG029 RCG009 RCG024

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	329	329
CLN	BETA	330	330
CY	BETA	331	331

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
TCG029 TCG009 TCG024

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	332	332
CYN	BETA	333	333

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG030 RCG010 RCG025

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	334	334
CLN	BETA	335	335
CY	BETA	336	336

DATA PLOT INDEX

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG030 TCG010 TCG025

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	337	337
CYN	BETA	338	338

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG008 RCG013 RCG023 RCG018

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	339	339
CLN	BETA	340	340
CY	BETA	341	341

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG008 TCG013 TCG023 TCG018

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	342	342
CYN	BETA	343	343

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG009 RCG014 RCG024 RCG019

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	344	344
CLN	BETA	345	345
CY	BETA	346	346

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG009 TCG014 TCG024 TCG019

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	347	347
CYN	BETA	348	348

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG010 RCG015 RCG025 RCG020

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	349	349
CLN	BETA	350	350
CY	BETA	351	351

DATA PLOT INDEX

EFFECT OF PLUGGING NACELLES ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG010 TCG015 TCG025 TCG020

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	352	352
CYN	BETA	353	353

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
 RCG008 RCG038 RCG053

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	354	354
CLN	BETA	355	355
CY	BETA	356	356

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
 TCG008 TCG038 TCG053

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	357	357
CYN	BETA	358	358

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG009 RCG039 RCG054

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	359	359
CLN	BETA	360	360
CY	BETA	361	361

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG009 TCG039 TCG054

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	362	362
CYN	BETA	363	363

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG010 RCG040 RCG055

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	364	364
CLN	BETA	365	365
CY	BETA	366	366

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG010 TCG040 TCG055

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	367	367
CYN	BETA	368	368

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG023 RCG043 RCG058

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	369	369
CLN	BETA	370	370
CY	BETA	371	371

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG023 TCG043 TCG058

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	372	372
CYN	BETA	373	373

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG024 RCG044 RCG059

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	374	374
CLN	BETA	375	375
CY	BETA	376	376

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
TCG024 TCG044 TCG059

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	377	377
CYN	BETA	378	378

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG025 RCG045 RCG060

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	379	379
CLN	BETA	380	380
CY	BETA	381	381

DATA PLOT INDEX

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG025 TCG045 TCG060

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	382	382
CYN	BETA	383	383

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG103 RCG028

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	384	384
CLN	BETA	385	385
CY	BETA	386	386

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG103 TCG028

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	387	387
CYN	BETA	388	388

DATA PLOT INDEX

EFFECT OF FAIRED FUSELAGE B₉ IN COMPONENT BUILD UP ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG089 RCG084 RCG079 RCG069 RCG074

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	389	389
CLN	BETA	390	390
CY	BETA	391	391

DATA PLOT INDEX

EFFECT OF FAIRED FUSELAGE B₉ IN COMPONENT BUILD UP ALPHA = 0.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG089 TCG084 TCG079 TCG069 TCG074

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	392	392
CYN	BETA	393	393

DATA PLOT INDEX

EFFECT OF FAIRED FUSELAGE B₉ IN COMPONENT BUILD UP

ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG090 RCG085 RCG080 RCG070 RCG075

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	394	394
CLN	BETA	395	395
CY	BETA	396	396

DATA PLOT INDEX

EFFECT OF FAIRED-FUSELAGE B₉ IN COMPONENT BUILD UP

ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG090 TCG085 TCG080 TCG070 TCG075

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	397	397
CYN	BETA	398	398

DATA PLOT INDEX

EFFECT OF FAIRED FUSELAGE 89 IN COMPONENT BUILD UP ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG091 RCG086 RCG081 RCG071 RCG076

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	399	399
CLN	BETA	400	400
CY	BETA	401	401

DATA PLOT INDEX

EFFECT OF FAIRED FUSELAGE 89 IN COMPONENT BUILD UP ALPHA = 12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG091 TCG086 TCG081 TCG071 TCG076

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	402	402
CYN	BETA	403	403

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
RCG104 RCG029

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	404	404
CLN	BETA	405	405
CY	BETA	406	406

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
TCG104 TCG029

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	407	407
CYN	BETA	408	408

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION ALPHA =12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG105 RCG030

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CSL	BETA	409	409
CLN	BETA	410	410
CY	BETA	411	411

DATA PLOT INDEX

EFFECT OF PLUGGED NACELLES IN LOWER POSITION ALPHA =12.0 DEG

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

TCG105 TCG030

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
CBL	BETA	412	412
CYN	BETA	413	413

DATA PLOT INDEX

INCREMENTAL EFFECT OF NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
 BCG001 BCG002 BCG003

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	414	414
DCLM	ALPHA	415	415
DCDF	ALPHA	416	416

DATA PLOT INDEX

INCREMENTAL EFFECT OF NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
 BCG004 BCG005 BCG006

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	417	417
DCLM	ALPHA	418	418
DCDF	ALPHA	419	419

DATA PLOT INDEX

INCREMENTAL EFFECT OF NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
BCG007 BCG008 BCG009

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	420	420
DCLM	ALPHA	421	421
DCDF	ALPHA	422	422

DATA PLOT INDEX

INCREMENTAL EFFECT OF NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
BCG010 BCG011

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	423	423
DCLM	ALPHA	424	424
DCDF	ALPHA	425	425

DATA PLOT INDEX

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
BCG013 BCG014 BCG015

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	426	426
DCLM	ALPHA	427	427
DCDF	ALPHA	428	428

DATA PLOT INDEX

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
BCG016 BCG017 BCG018

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	429	429
DCLM	ALPHA	430	430
DCDF	ALPHA	431	431

DATA PLOT INDEX

COMPONENT BUILD-UP

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

BCG019 BCG020 BCG021 BCG022

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCY/DBETA	ALPHA	432	432
DGSL/DBETA	ALPHA	433	433
DCBL/DBETA	ALPHA	434	434
DCLN/DBETA	ALPHA	435	435
DCYN/DBETA	ALPHA	436	436

DATA PLOT INDEX

COMPONENT BUILD-UP

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

BCG023 BCG024 BCG025 BCG026 BCG027

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCY/DBETA	ALPHA	437	437
DGSL/DBETA	ALPHA	438	438
DCBL/DBETA	ALPHA	439	439
DCLN/DBETA	ALPHA	440	440
DCYN/DBETA	ALPHA	441	441

DATA PLOT INDEX

INCREMENTAL EFFECT OF NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

BCG028 BCG029 BCG030

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DEL(DCY/DBETA)	ALPHA	442	442
DEL(DCSL/DBETA)	ALPHA	443	443
DEL(DCBL/DBETA)	ALPHA	444	444
DEL(DCLN/DBETA)	ALPHA	445	445
DEL(DCYN/DBETA)	ALPHA	446	446

DATA PLOT INDEX

INCREMENTAL EFFECT OF NACELLES

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

BCG031 BCG032

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DEL(DCY/DBETA)	ALPHA	447	447
DEL(DCSL/DBETA)	ALPHA	448	448
DEL(DCBL/DBETA)	ALPHA	449	449
DEL(DCLN/DBETA)	ALPHA	450	450
DEL(DCYN/DBETA)	ALPHA	451	451

DATA PLOT INDEX

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG033 BCG034 BCG035

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DEL(DCY/DBETA)	ALPHA	452	452
DEL(DCSL/DBETA)	ALPHA	453	453
DEL(DCEL/DBETA)	ALPHA	454	454
DEL(DCLN/DBETA)	ALPHA	455	455
DEL(DCYN/DBETA)	ALPHA	456	456

DATA PLOT INDEX

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

RCG036 BCG037 BCG038

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DEL(DCY/DBETA)	ALPHA	457	457
DEL(DCSL/DBETA)	ALPHA	458	458
DEL(DCEL/DBETA)	ALPHA	459	459
DEL(DCLN/DBETA)	ALPHA	460	460
DEL(DCYN/DBETA)	ALPHA	461	461

DATA PLOT INDEX

EFFECT OF WACELLE POSITION ON HORIZONTAL STABILIZER EFFECTIVENESS

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
BCG039 BCG040

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	462	462
DCLM	ALPHA	463	463
DCDF	ALPHA	464	464

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:
BCG041 BCG042 BCG043

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	465	465
DCLM	ALPHA	466	466
DCDF	ALPHA	467	467

DATA PLOT INDEX

ELEVATOR EFFECTIVENESS

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

BCG044 BCG045

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	468	468
DCIM	ALPHA	469	469
DCDF	ALPHA	470	470

DATA PLOT INDEX

EFFECT OF NACELLE POSITION ON ELEVATOR EFFECTIVENESS

DEPENDENT VARIABLE VS INDEPENDENT VARIABLE, MULTIPLE DATASETS

DATASETS PLOTTED:

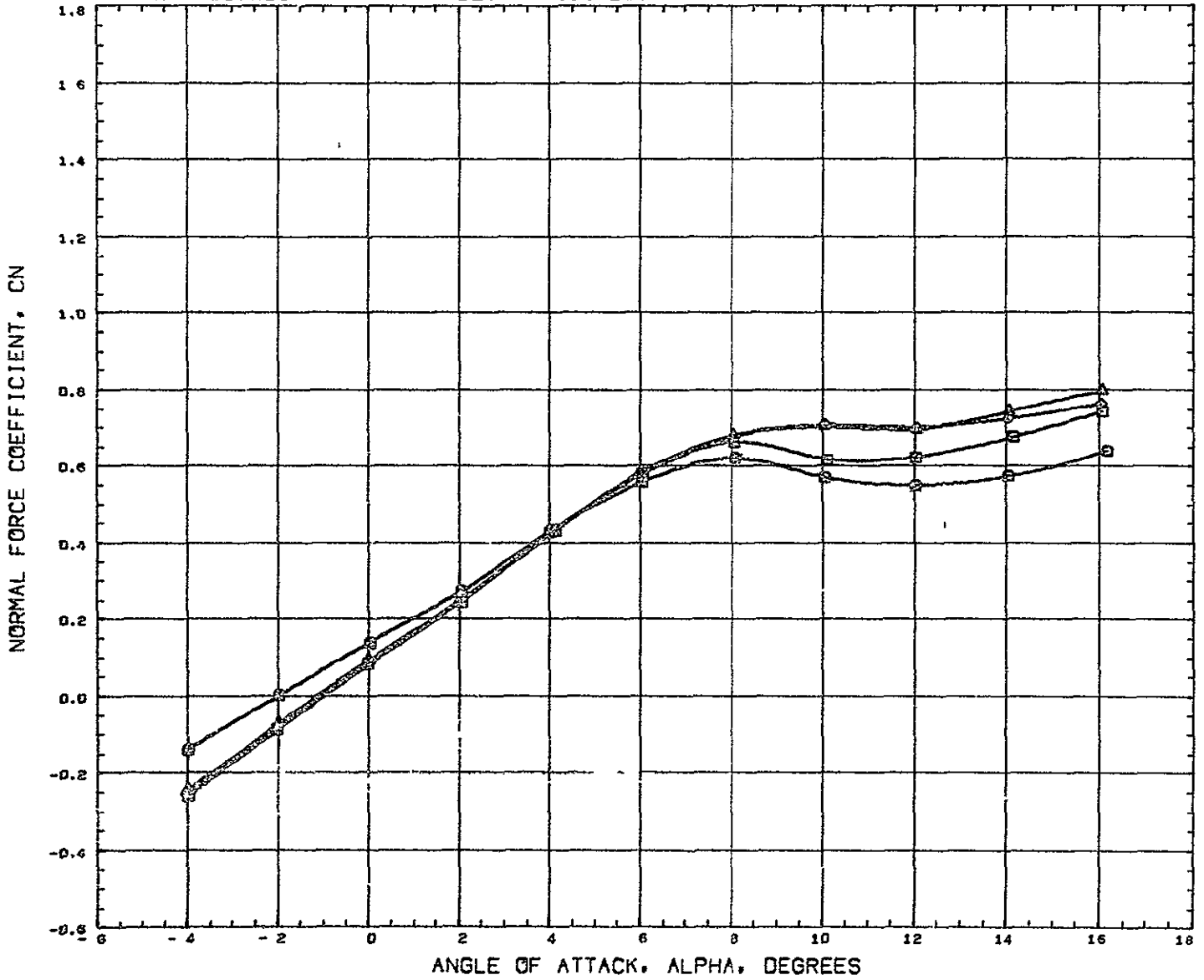
BCG046 BCG047 BCG048 BCG049 BCG050

DEPENDENT VARIABLE	INDEPENDENT VARIABLE	PLOT PAGE BEGINNING / ENDING	
DCL	ALPHA	471	471
DCIM	ALPHA	472	472
DCDF	ALPHA	473	473

DATA

COMPONENT BUILDUP

BETA = 0.0 DEG

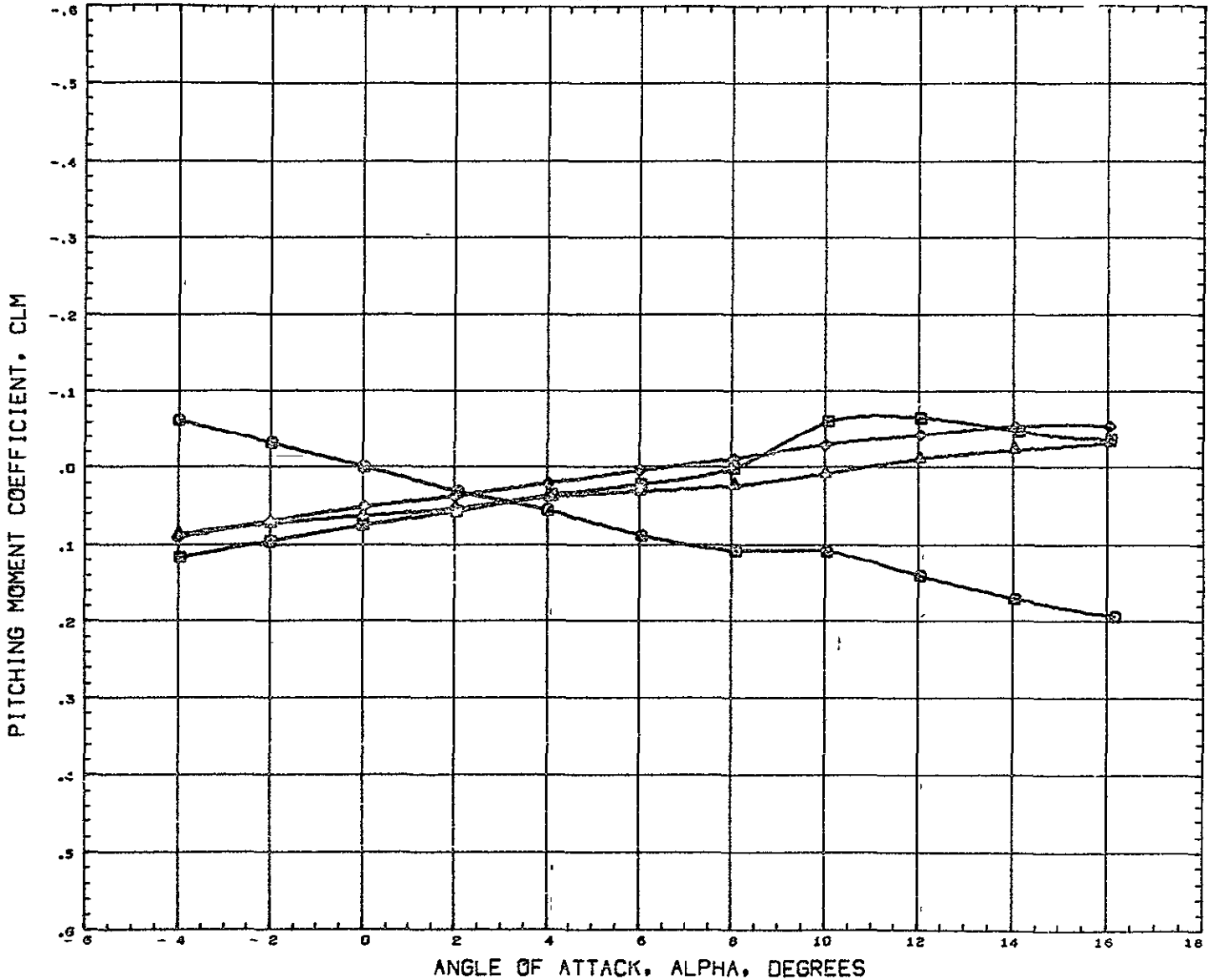


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG046)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0.000	REFS 0 1790 SQ FT
(RCG031)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RCG001)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V4		REFB 11 3390 INCHES
(RCG006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 00*6 SCALE

NACH 0.259

COMPONENT BUILDUP

BETA = 0.0 DEG



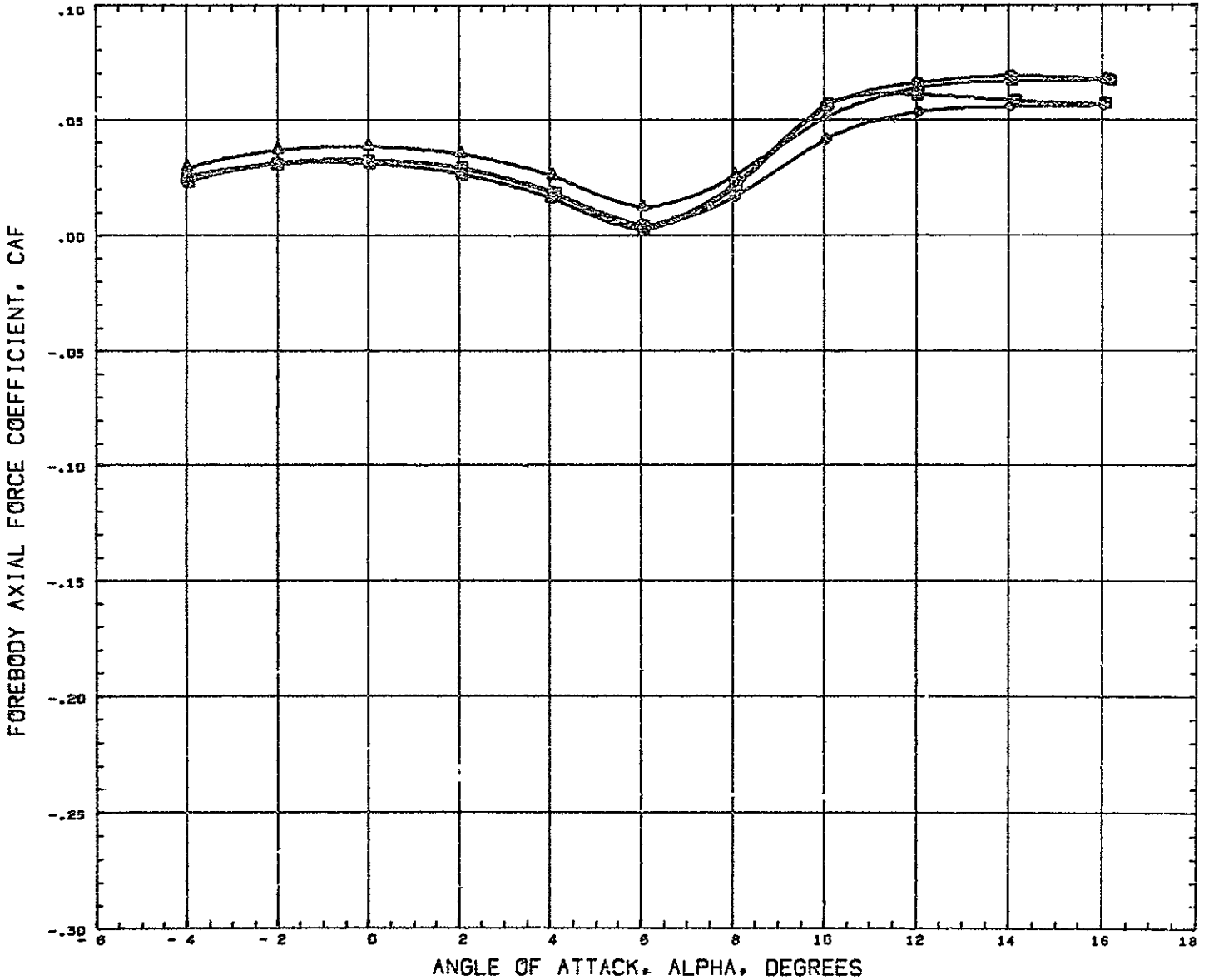
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCC046)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0.000
(RCC032)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12	
(RCC001)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	
(RCC006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	

REFEPENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0.0076	SCALE

MACH 0.259

COMPONENT BUILDUP

BETA = 0.0 DEG

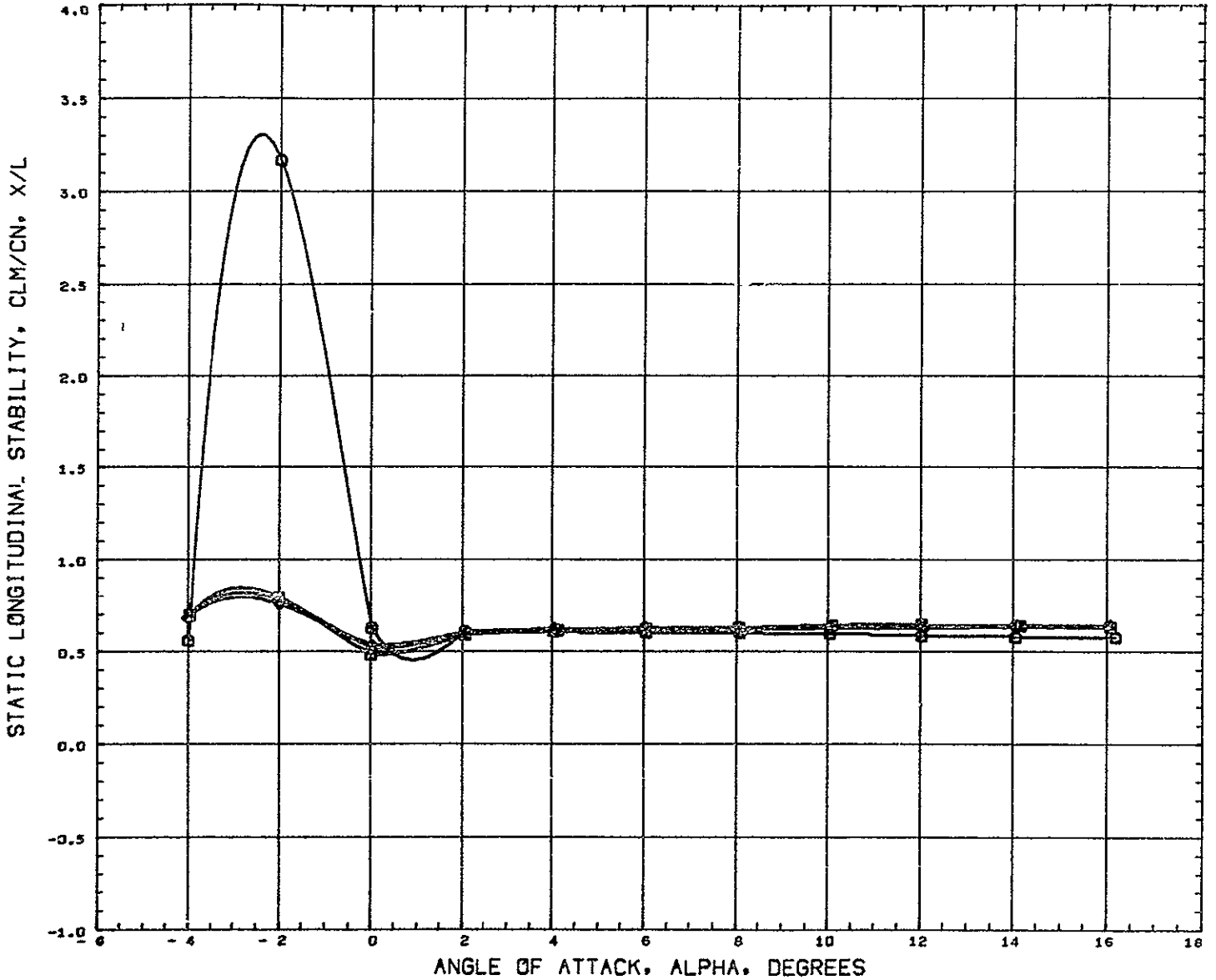


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG046)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0 000	REFS 0 1790 SQ FT
(RCG051)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7170 INCHES
(RCG001)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RCG008)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMPP 9 8400 INCHES
			YMPP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP

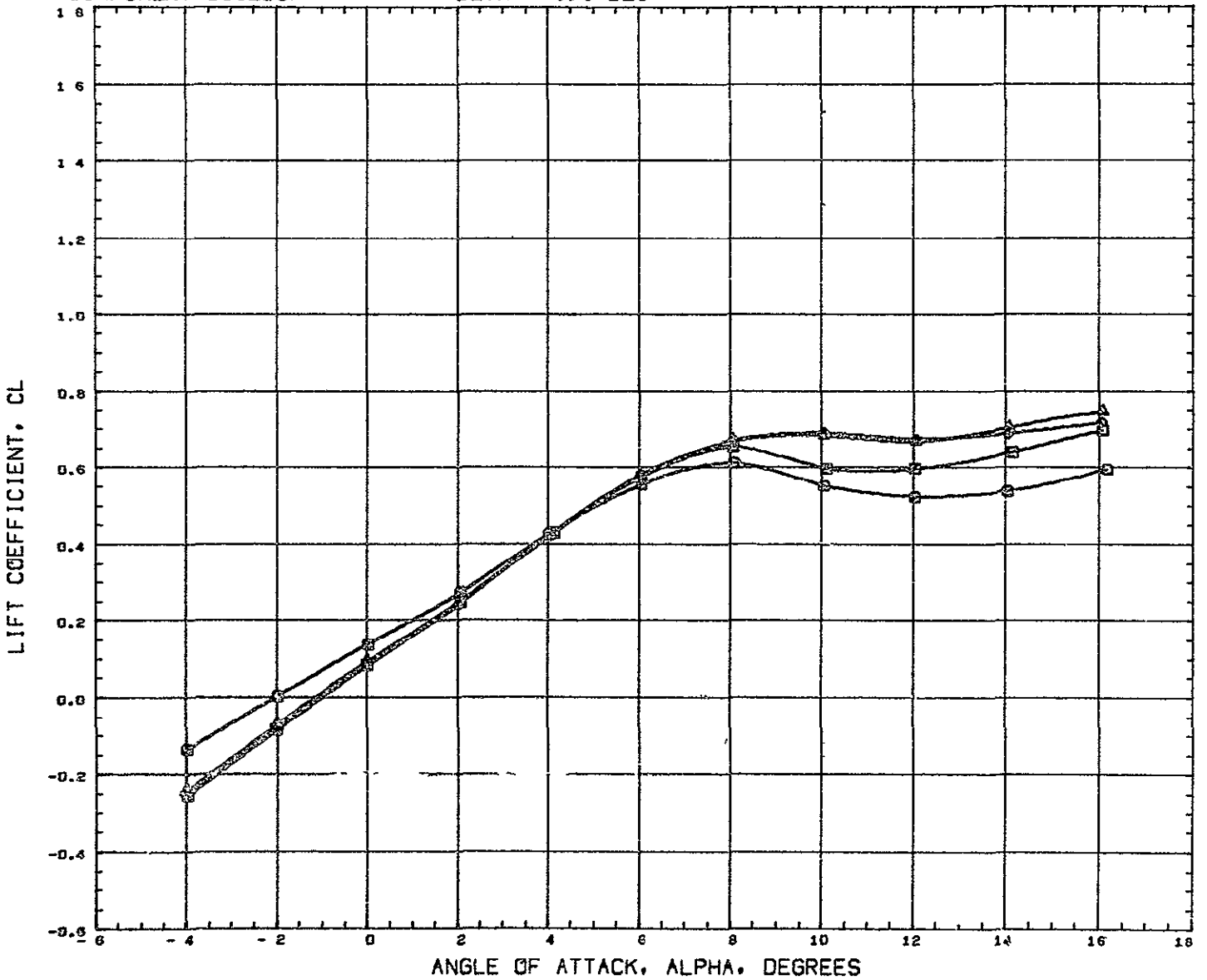
BETA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PCGD46)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0 000	REFS 0 1790 SQ FT
(RCGD31)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RCGD01)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RCGD06)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE
MACH 0.259			

COMPONENT BUILDUP

BETA = 0.0 DEG

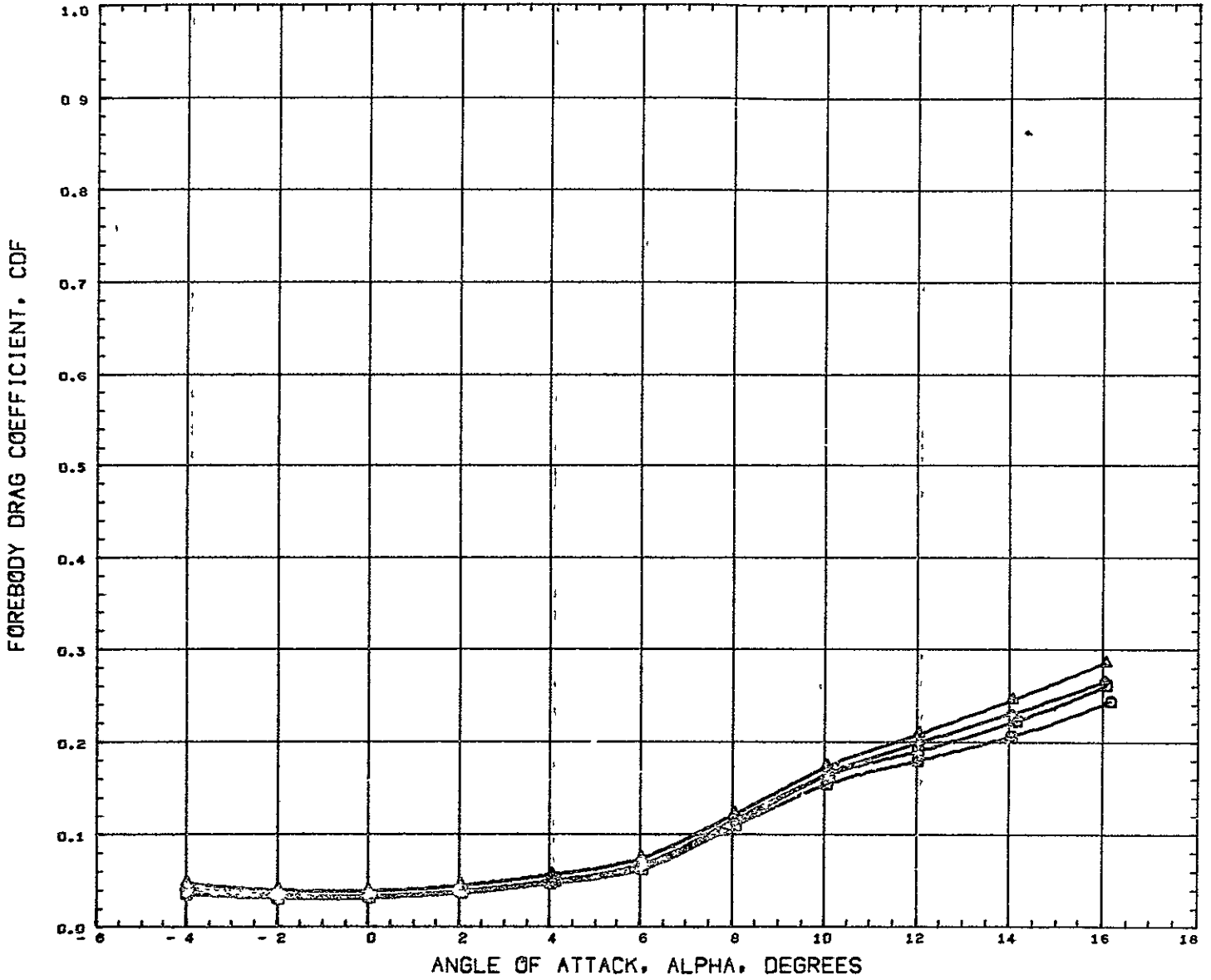


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0046)	NAAL 632 SSV-STR WING FORCE-NAC B6 WLD V5	SET4 0 000	REFS 0 1790 SQ FT
(RC0031)	NAAL 632 SSV-STR WING FORCE-NAC B6 WLD H12		REFL 15 7370 INCHES
(RC0001)	NAAL 632 SSV-STR WING FORCE-NAC B6 WLD H12 V5		REFB 11 3390 INCHES
(RC0006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 WLD H12 V5		XMRP 9 8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP

BETA = 0.0 DEG

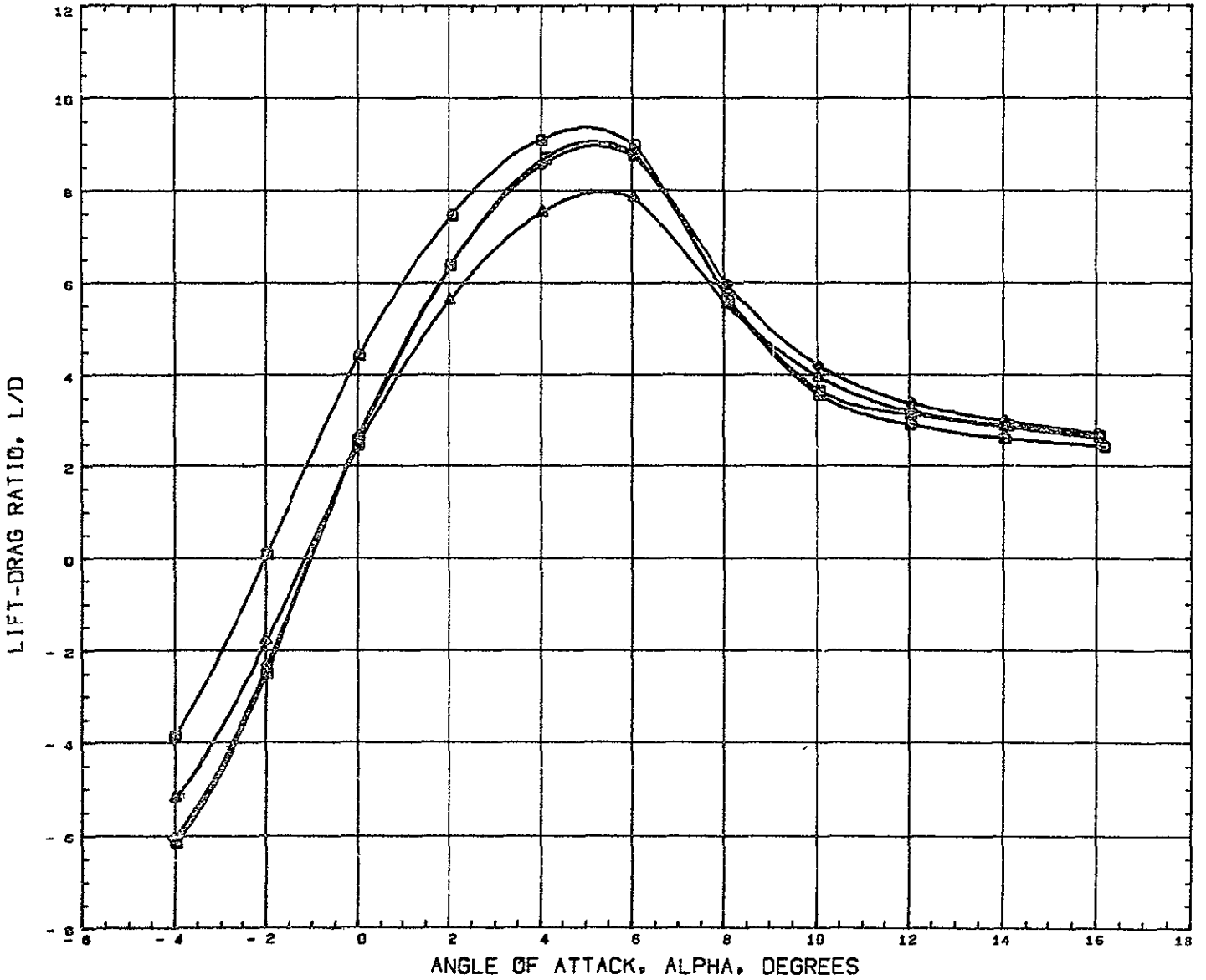


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG046)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0 000	REFS 0 1790 SQ FT
(RCG031)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RCG001)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFD 11 3390 INCHES
(RCG008)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMRP 9 8400 INCHES
			YHPP 0 0000 INCHES
			Z'RP - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0.259

COMPONENT BUILDUP

BETA = 0.0 DEG

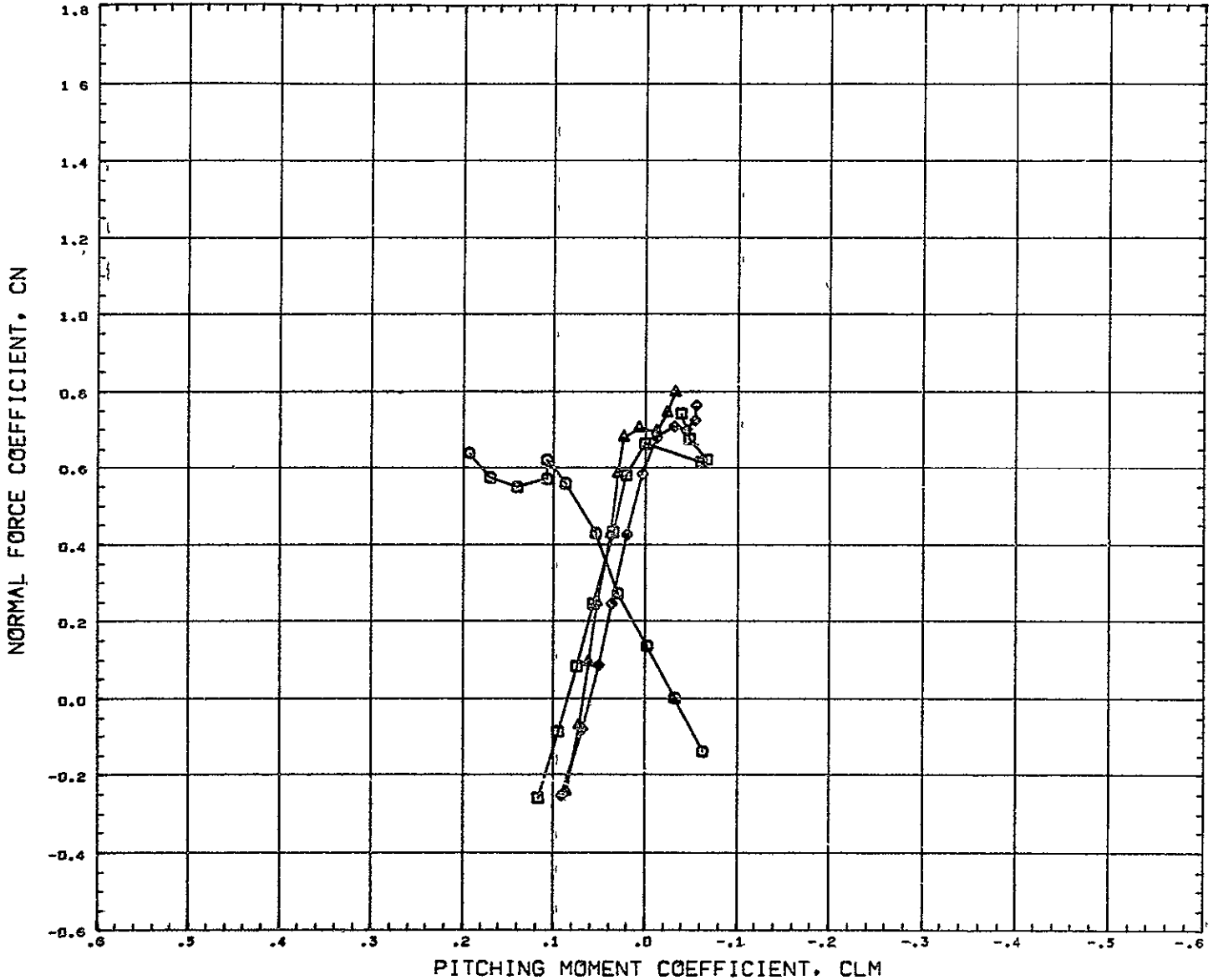


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PC6046)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0.000	REFS 0 1790 SQ FT
(RC6031)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RC6001)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RC6006)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

COMPONENT BUILDUP

BETA = 0.0 DEG

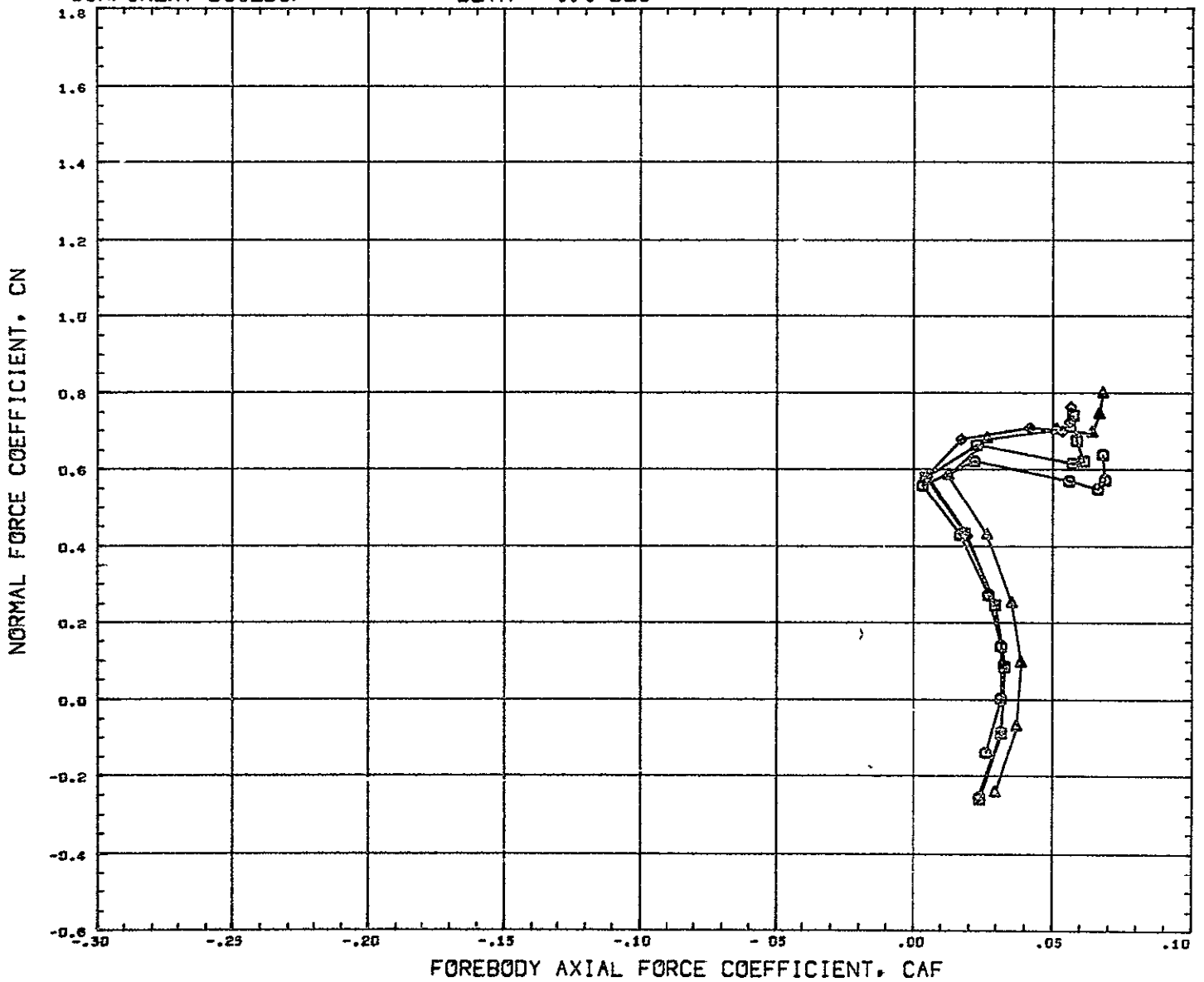


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG046)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	0.000		REFS 0 1790 SQ.FT
(RCG031)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12			REFL 15 7370 INCHES
(RCG001)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5			REFB 11 3390 INCHES
(RCG006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5			XMRP 9 8400 INCHES
				YMRF 0 0000 INCHES
				ZMRP - 0 3840 INCHES
				SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP

BETA = 0.0 DEG

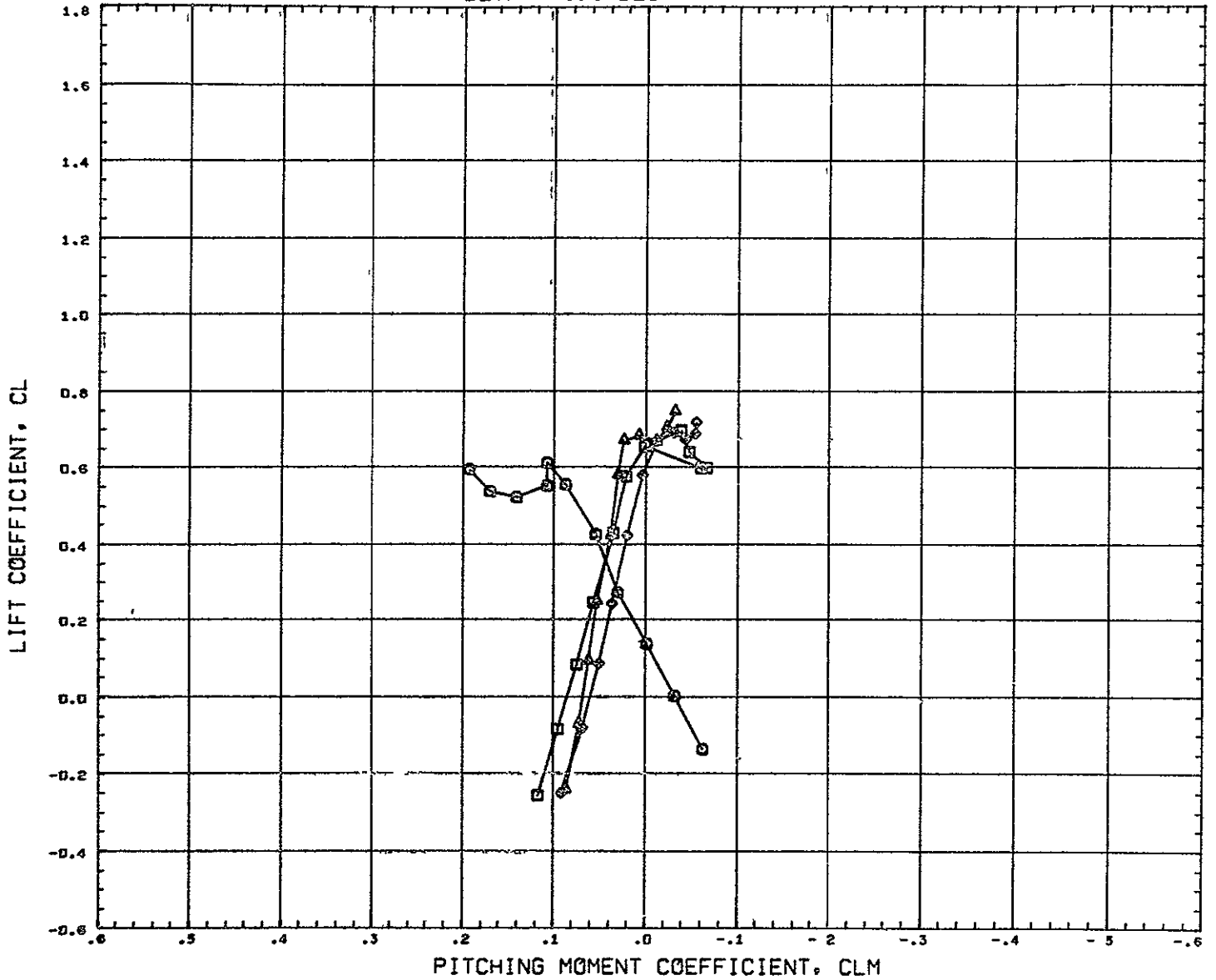


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG046)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0.000	REFS 0 1790 SQ FT
(RCG031)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RCG001)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RCG006)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP

BETA = 0.0 DEG

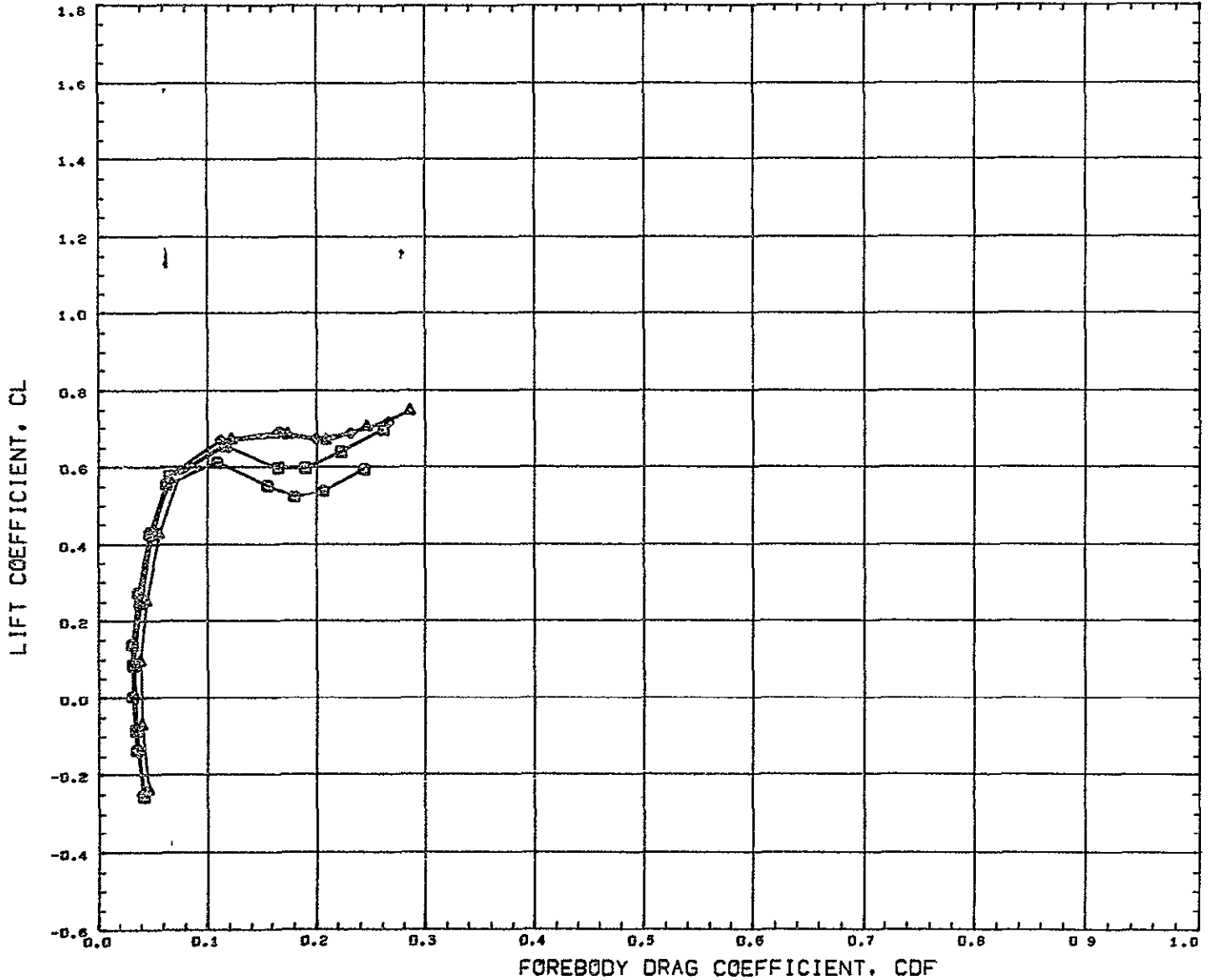


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG048)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0.000	REFS 0 1790 SQ.FT
(RCG031)	◻ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RCG001)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RCG006)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XHRP 9 8400 INCHES
			YMRP 0.0000 INCHES
			ZMPF - 0.3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP

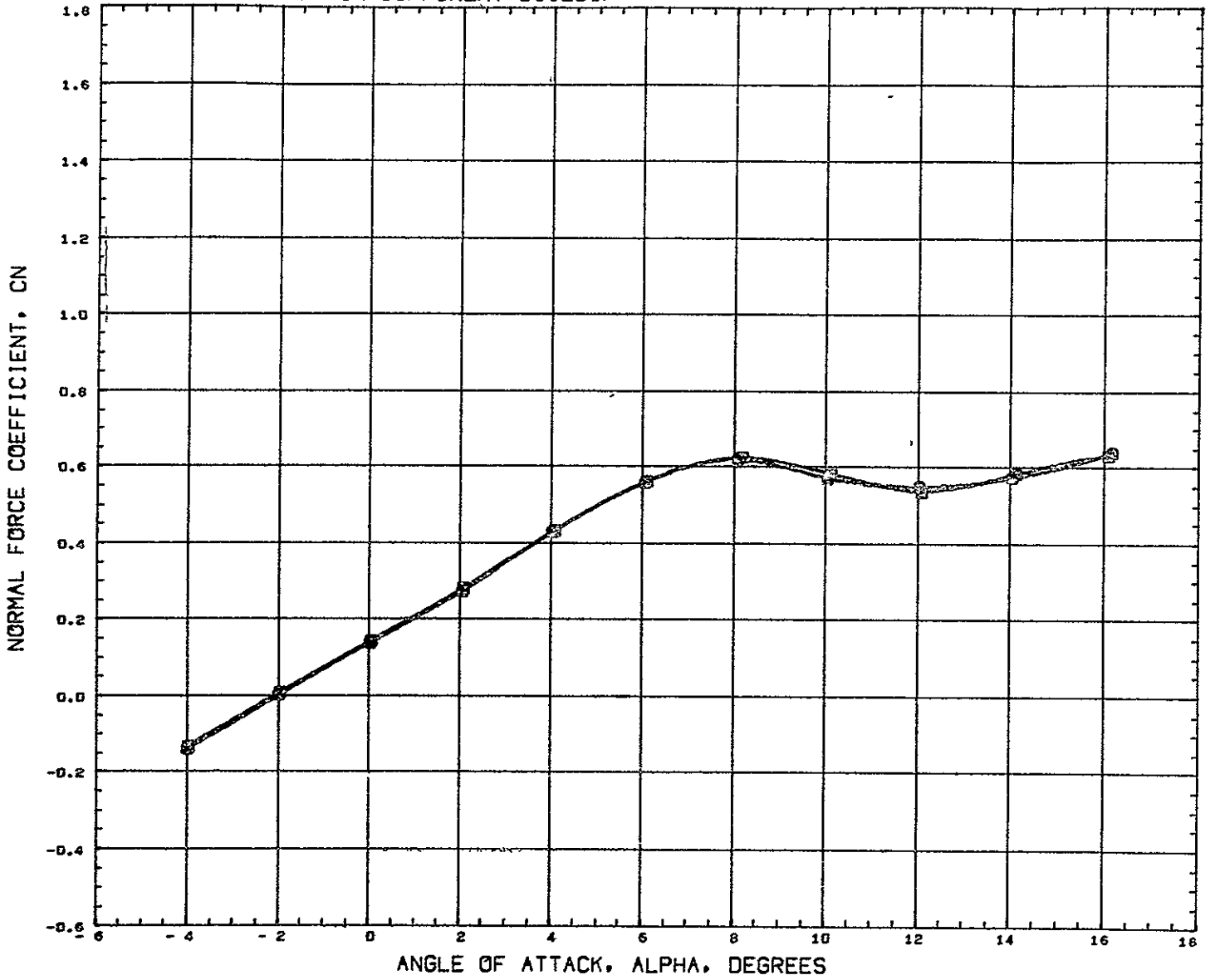
BETA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC046)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	BETA 0 000	REFS 0 1790 SQ FT
(RCC031)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(RCC001)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RCC006)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

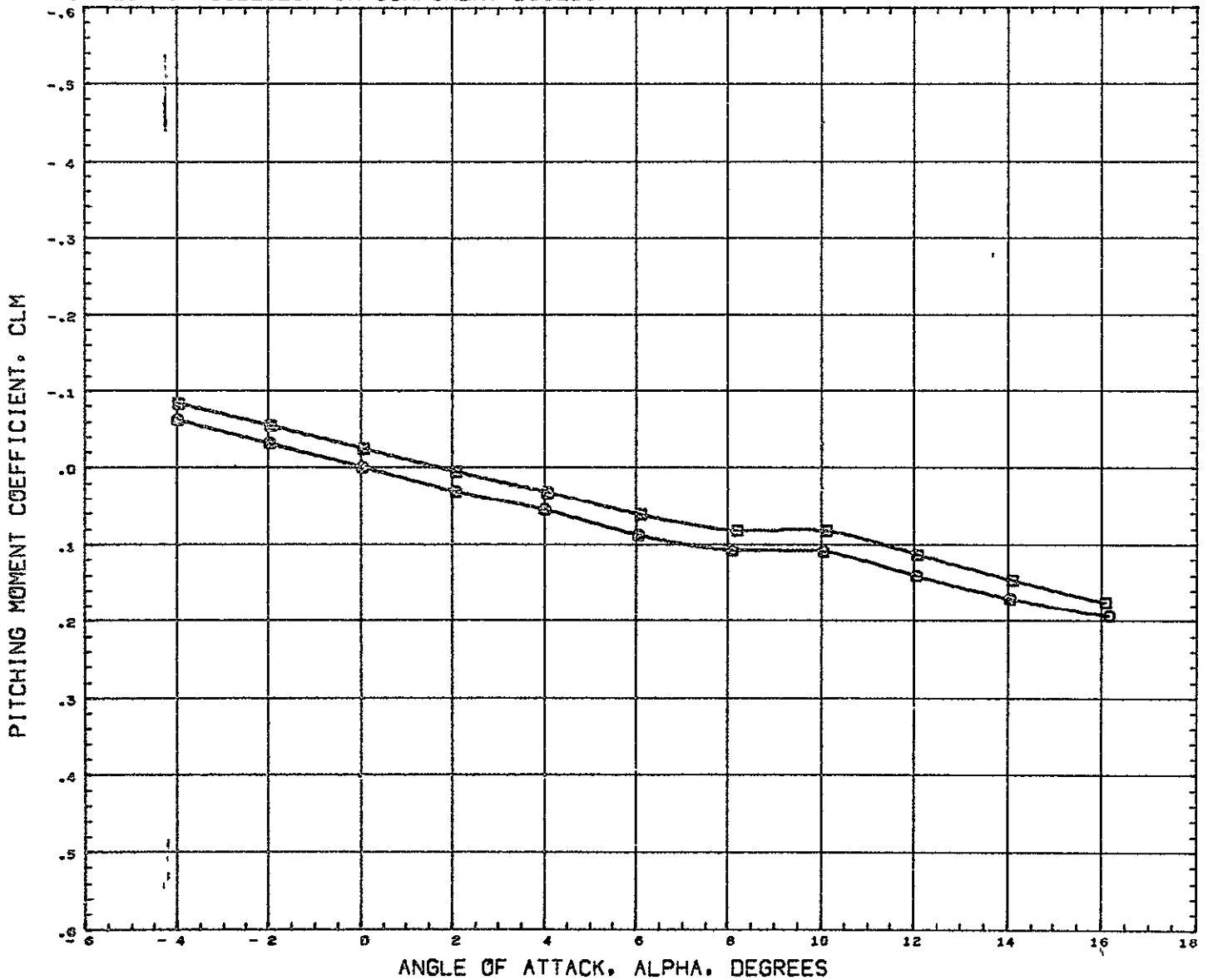


SYMBOL	BETA	PARAMETRIC VALUES
□	0.000	MACH 0.259
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	sq'ft
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

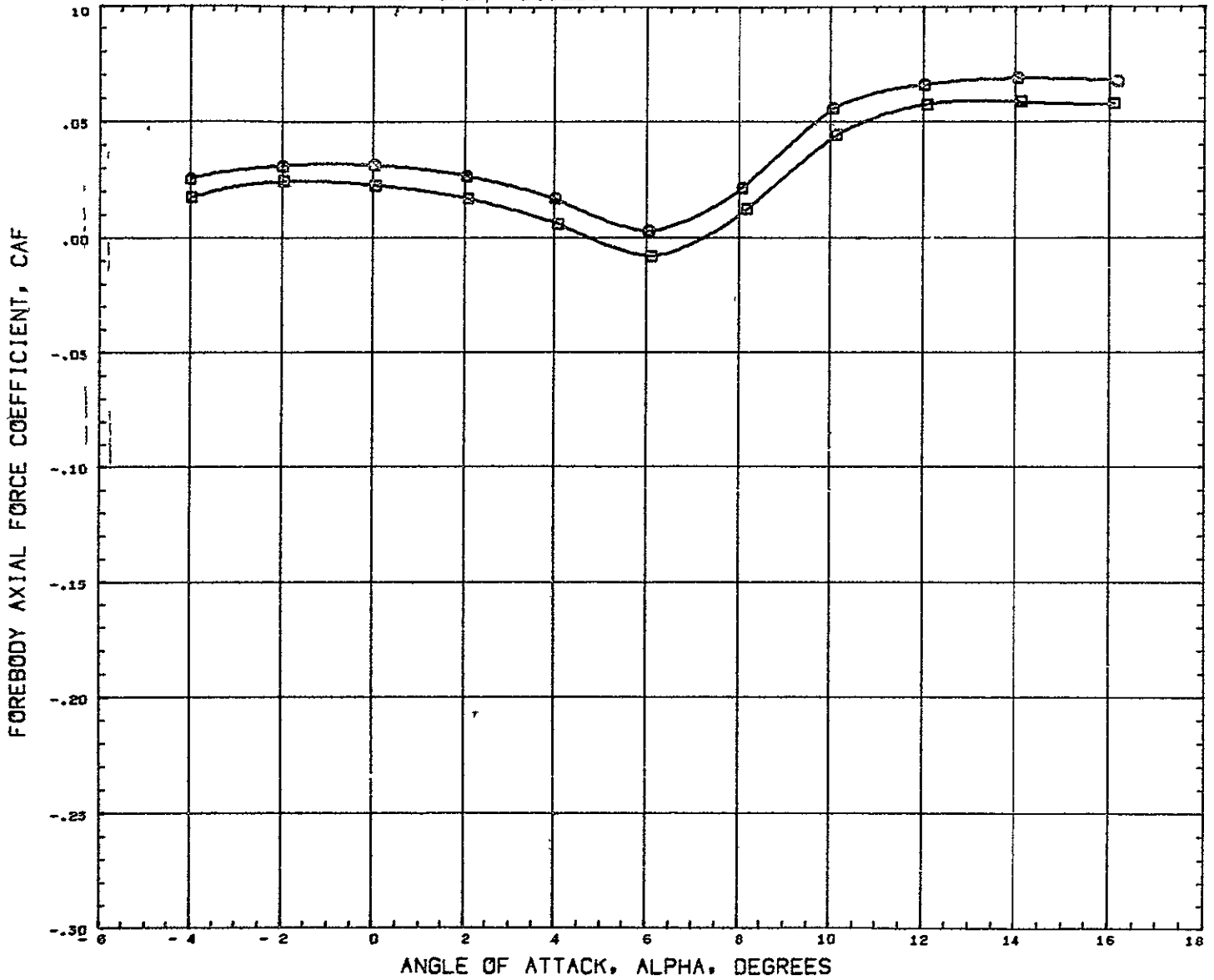


SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	MACH 0.259
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

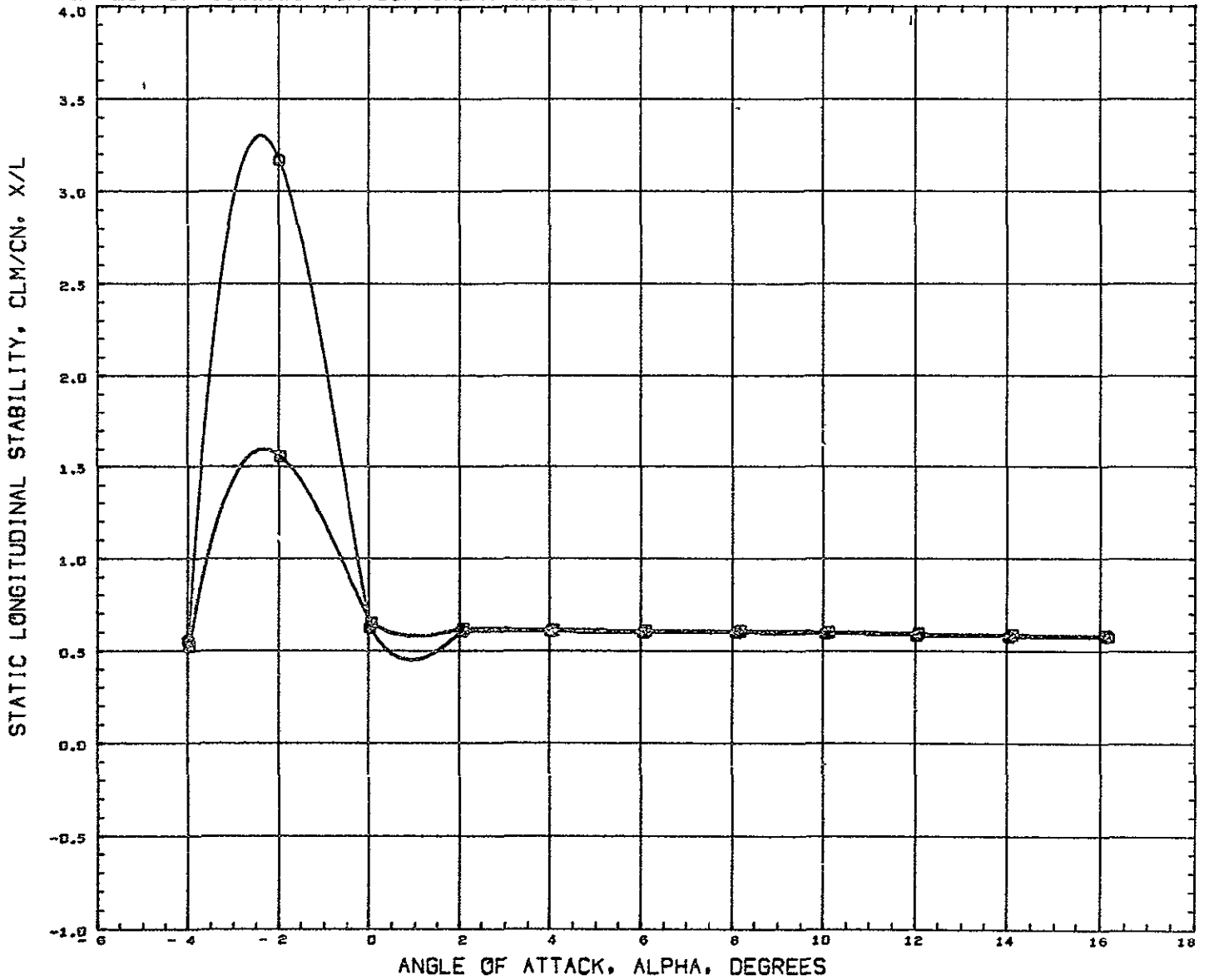


SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	0.259
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP



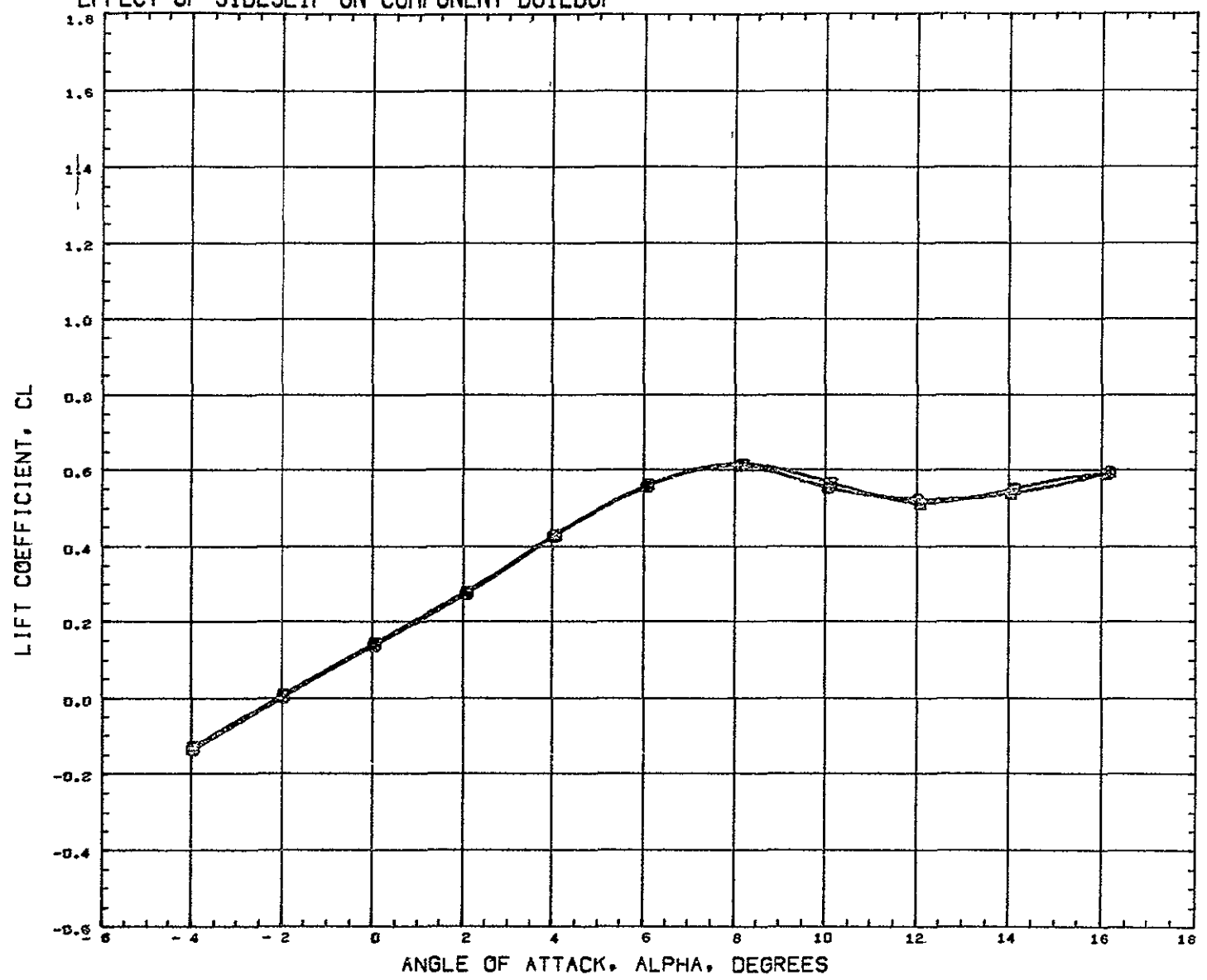
SYMBOL	BETA	PARAMETRIC VALUES
○	0.500	MACH 0.250
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT.
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

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EFFECT OF SIDESLIP ON COMPONENT BUILDUP



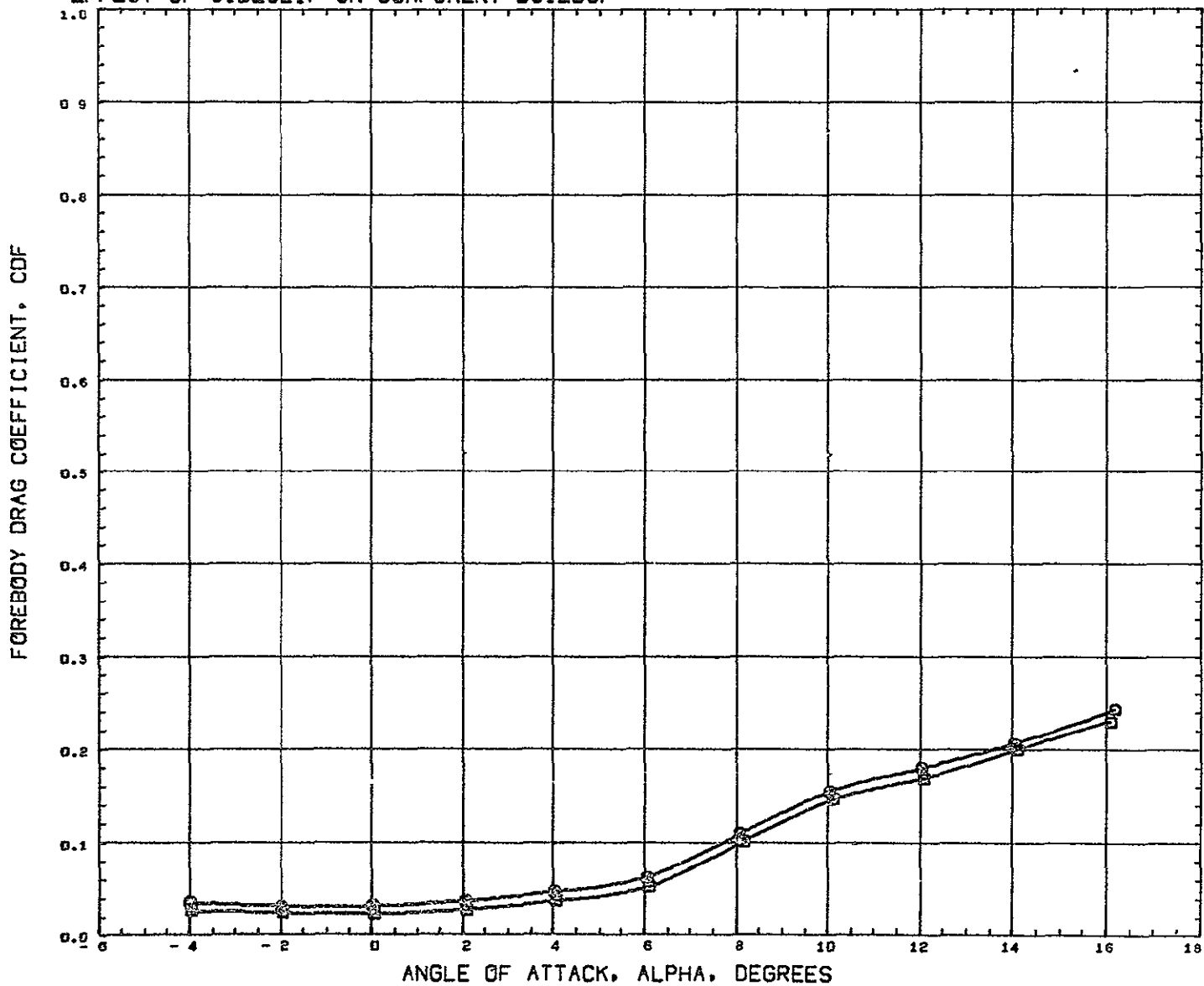
SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	MACH 0.259
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRF	9 8400	INCHES
YHRF	0 0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73



EFFECT OF SIDESLIP ON COMPONENT BUILDUP

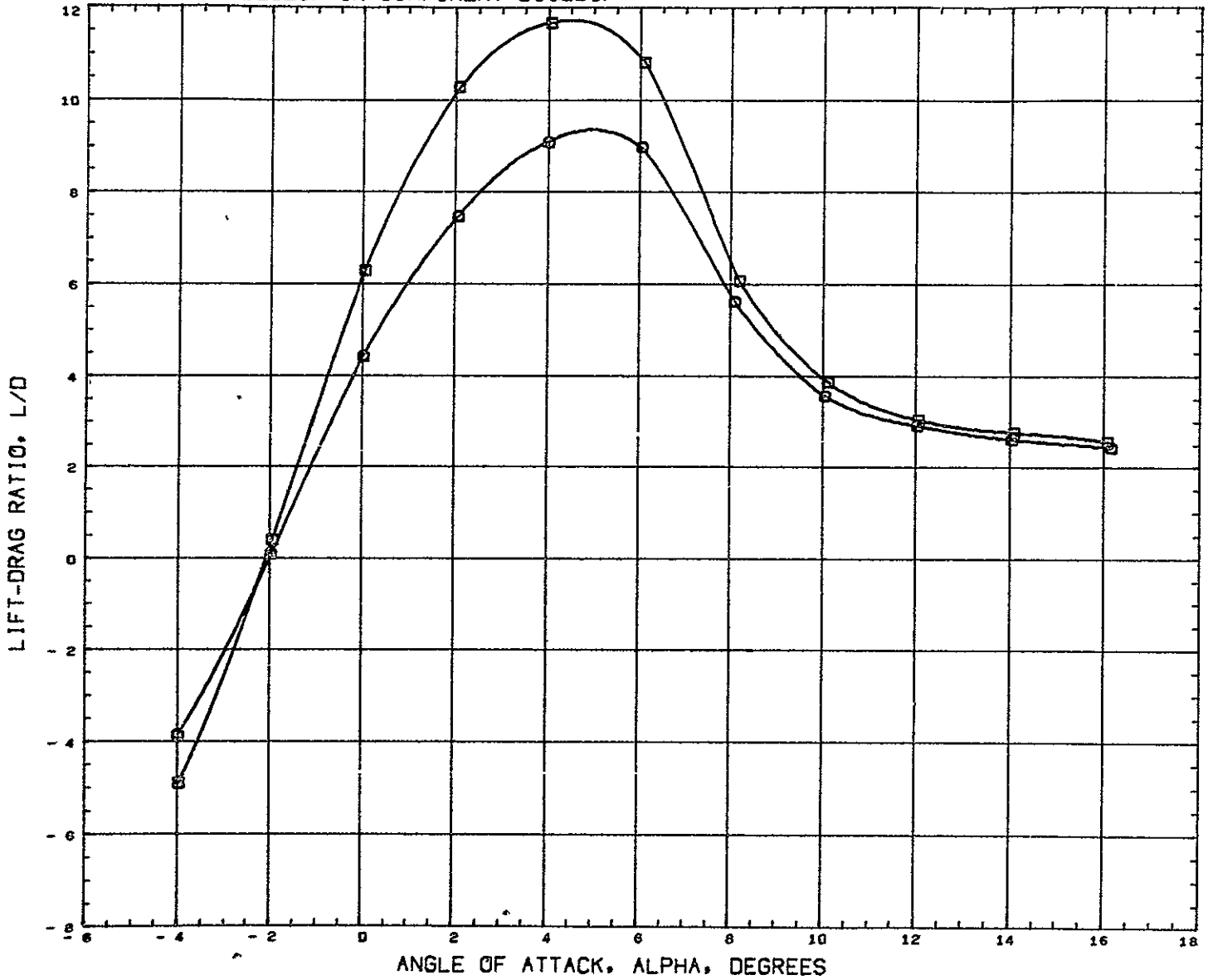


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 HACH 0.259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP



SYMBOL **BETA** **PARAMETRIC VALUES**
 ○ 0.000 MACH 0.259
 □ 5.000

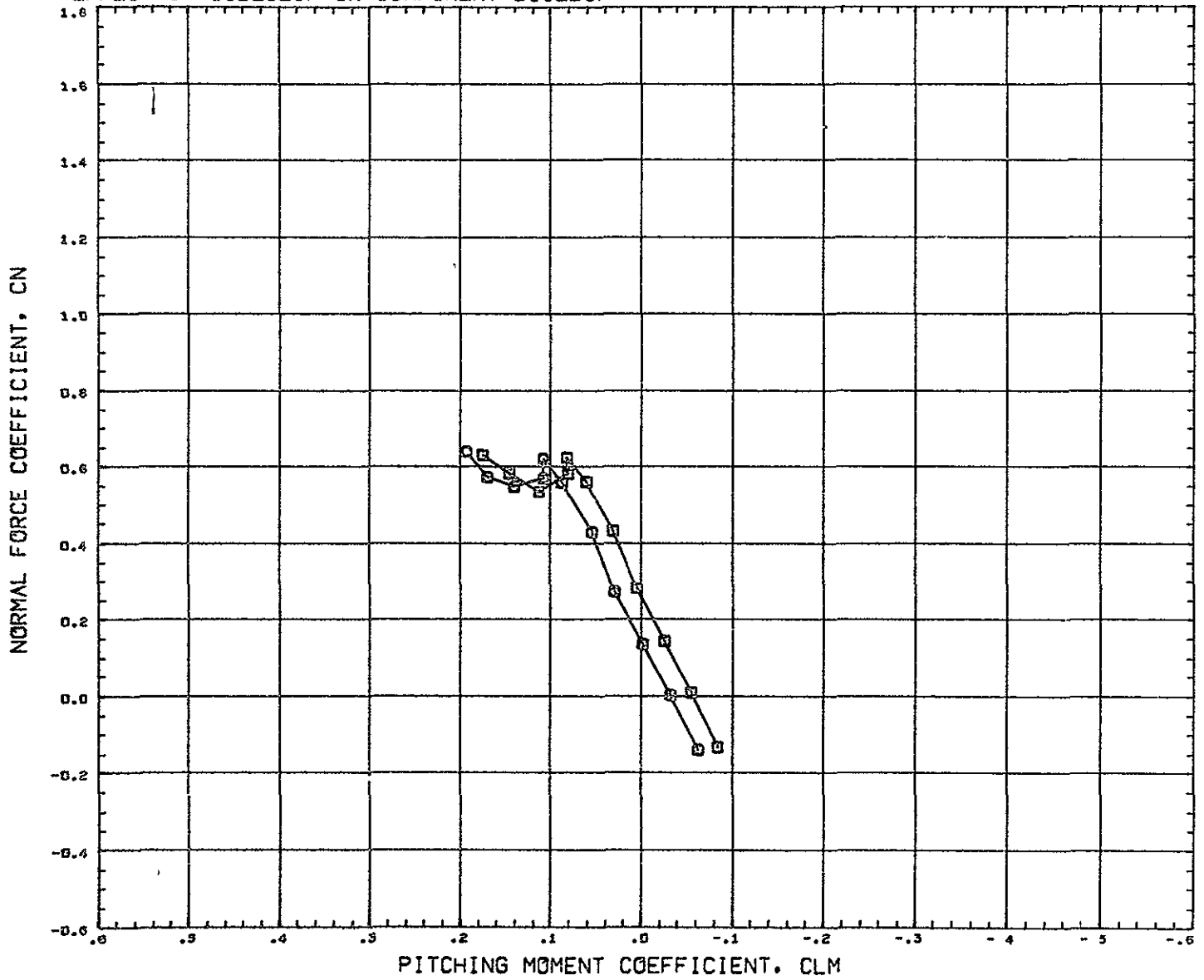
REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5

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EFFECT OF SIDESLIP ON COMPONENT BUILDUP

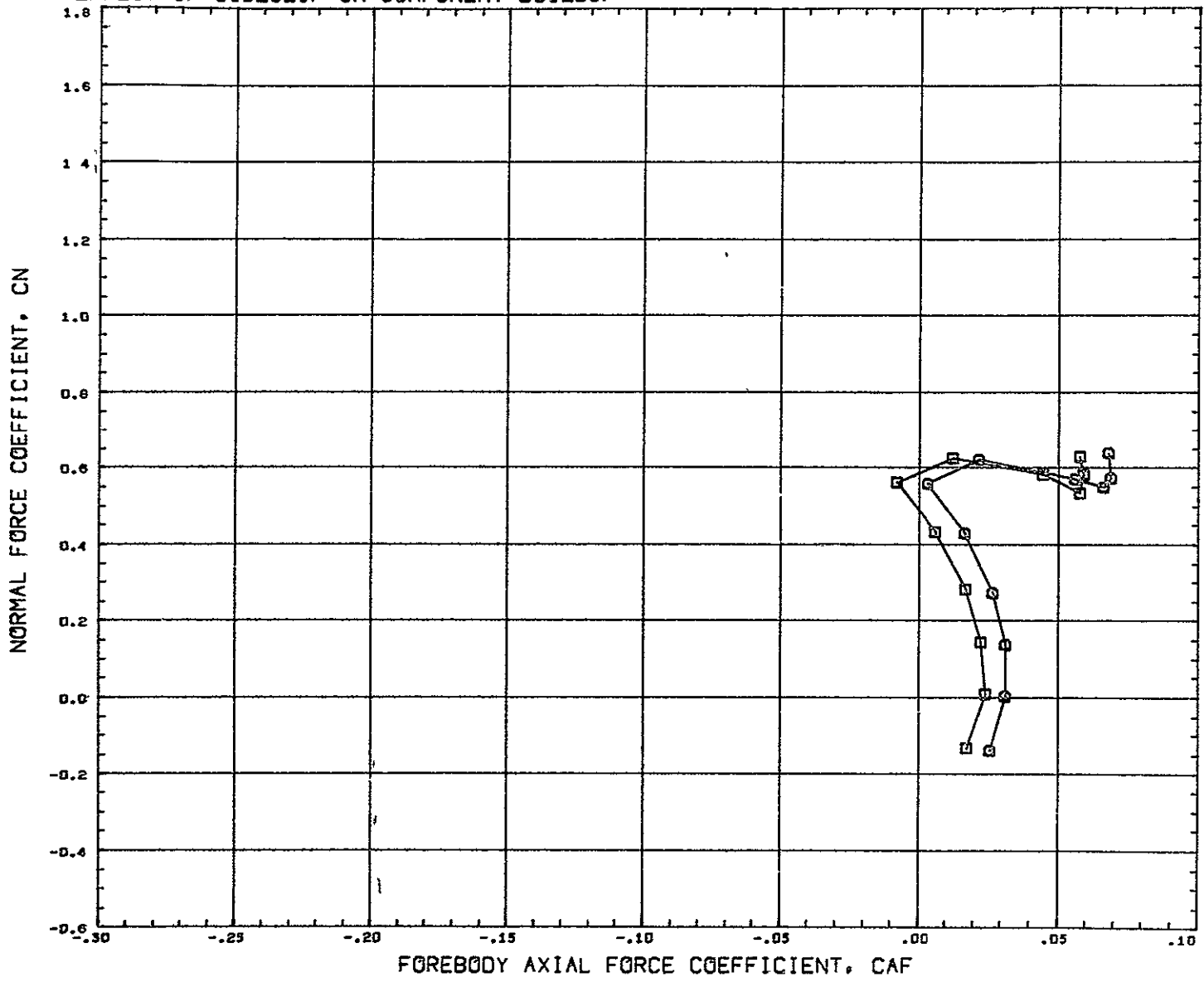


SYMBOL BETA PARAMETRIC VALUES
 O 0.000 MACH 0.250
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRF 9 8400 INCHES
 YMRP 0.0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

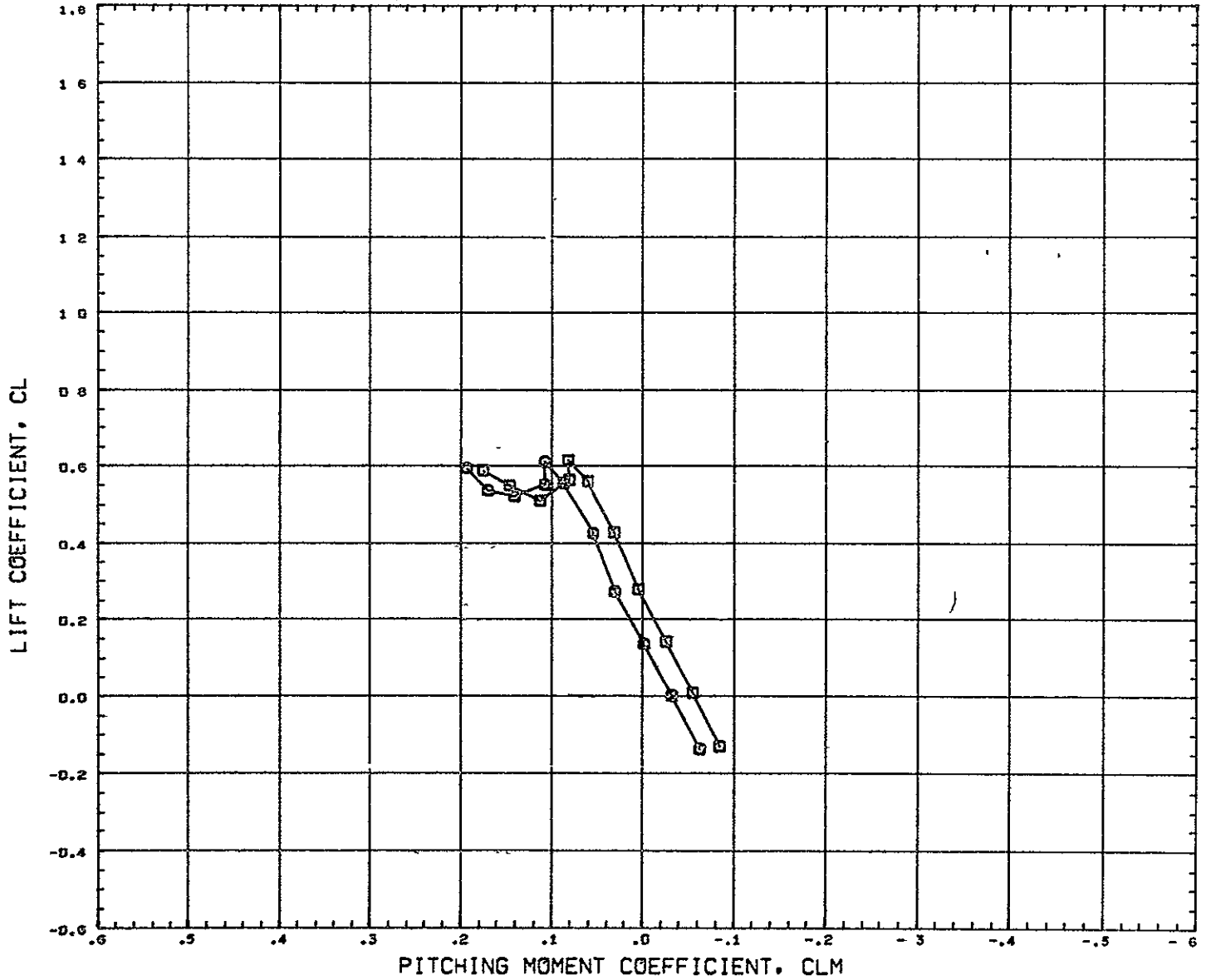


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 MAC² 0.259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

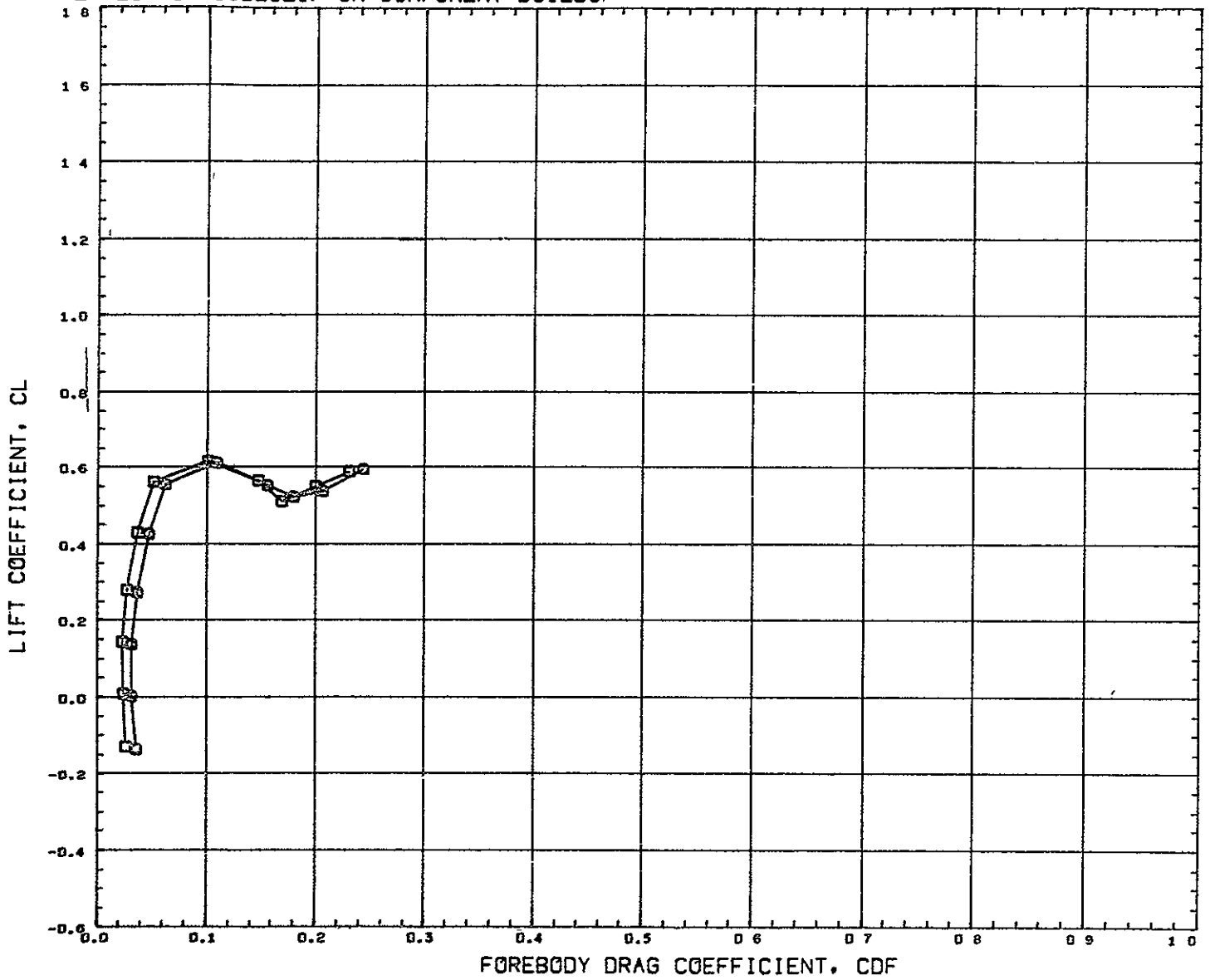


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 MACH 0.259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ.FT
 REFL 15.7370 INCHES
 REFB 11.3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0.3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

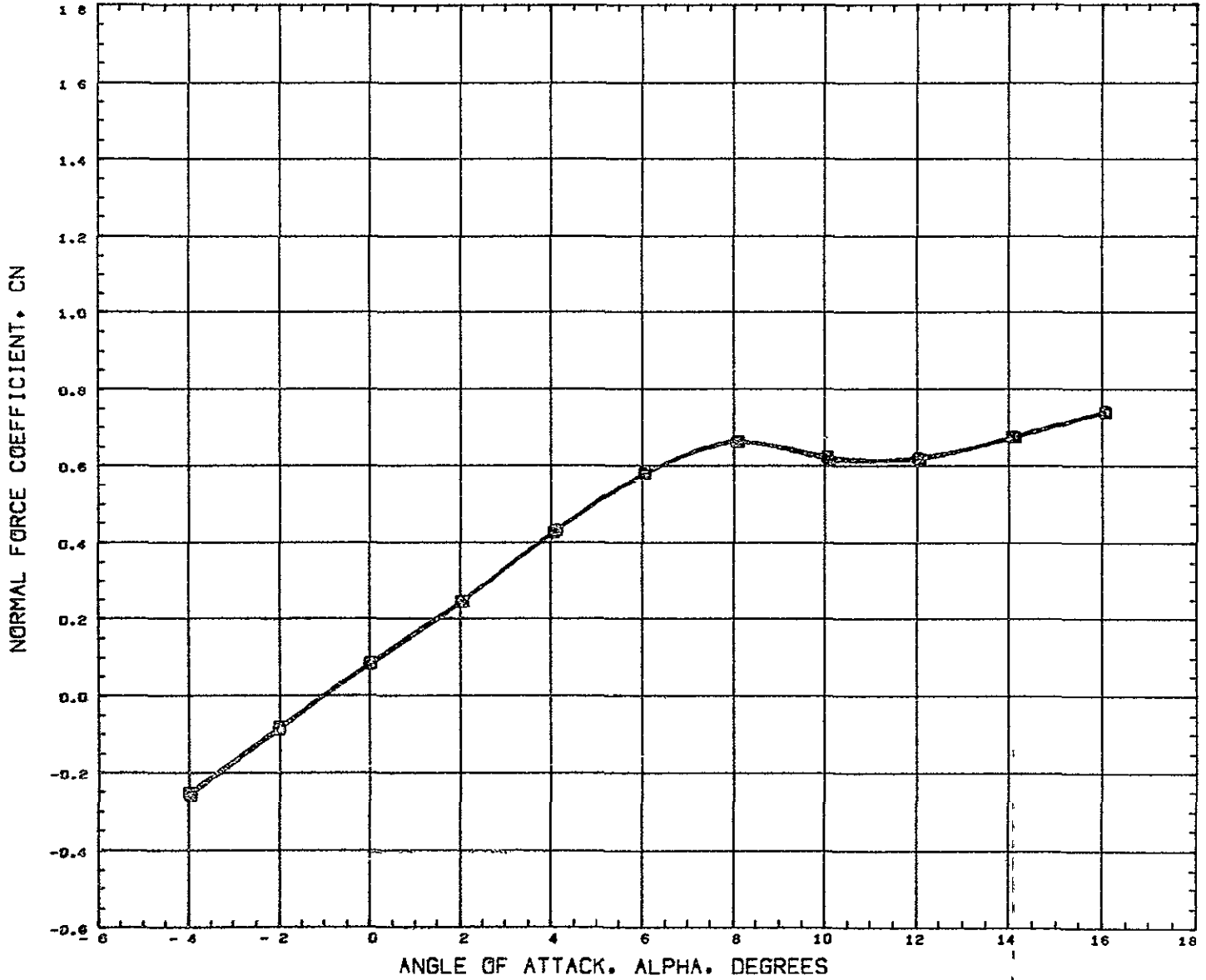


SYMBOL	BETA	MACH	PARAMETRIC VALUES
○	0.000		0.249
□	5.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ. FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRF	9 8400	INCHES
YNRF	0 0000	INCHES
ZNRF	0 3640	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

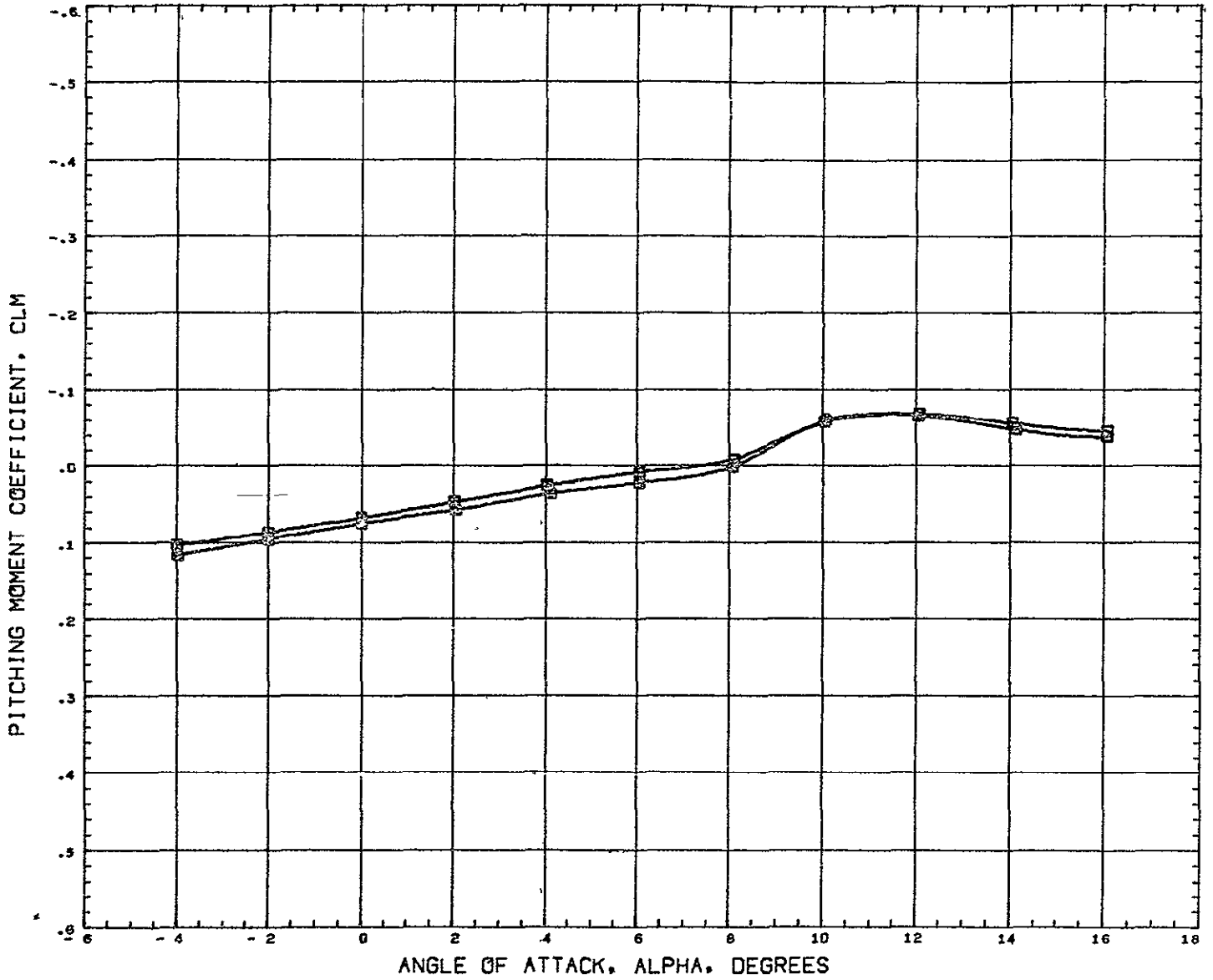


SYMBOL BETA MACH PARAMETRIC VALUES
 O 0.000 0.259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0.0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP



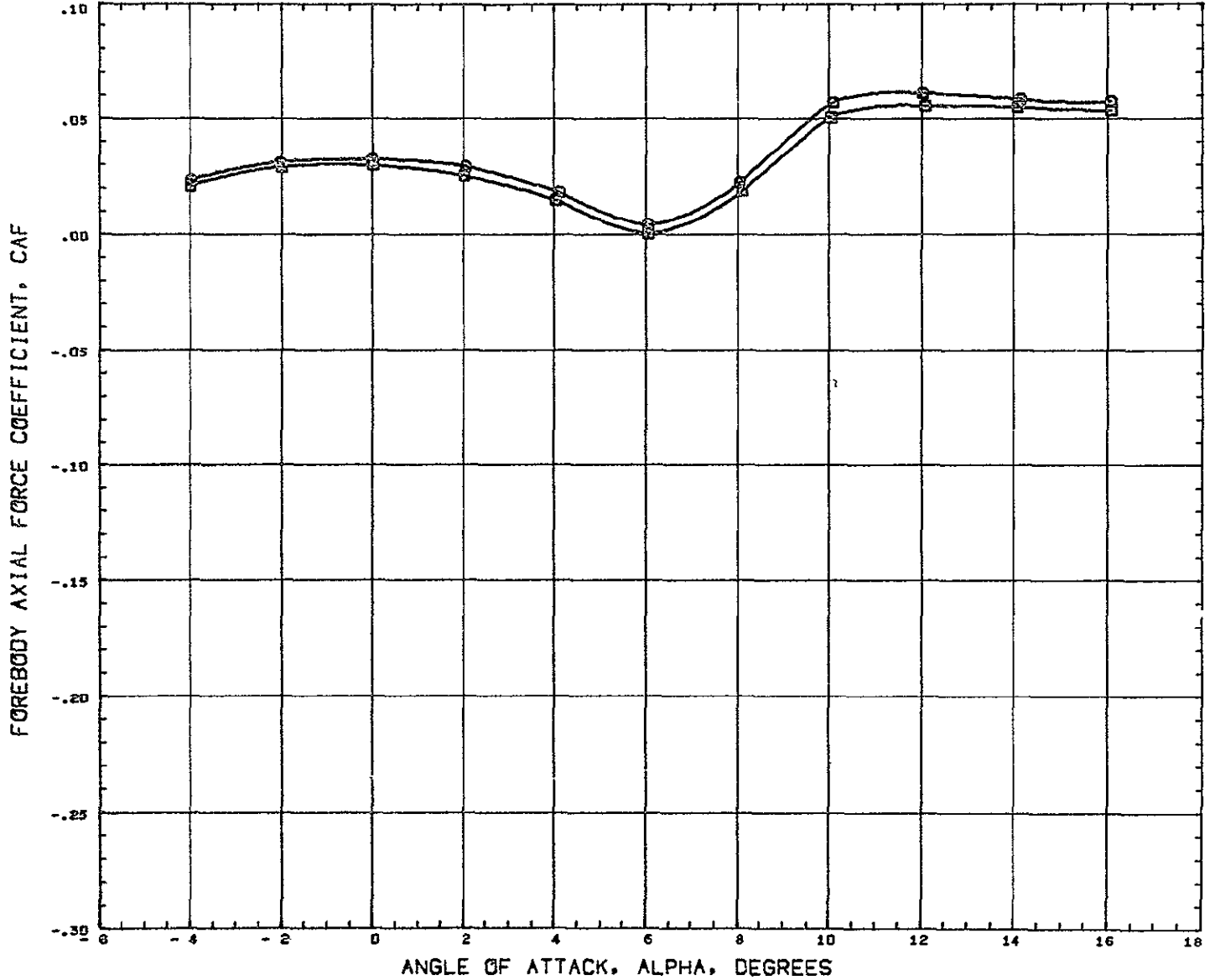
SYMBOL	BETA	HACH	PARAMETRIC VALUES
○	2.000		0.259
□	3.000		

REFERENCE INFORMATION		
REFS	0	1790 SQ.FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

6025

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

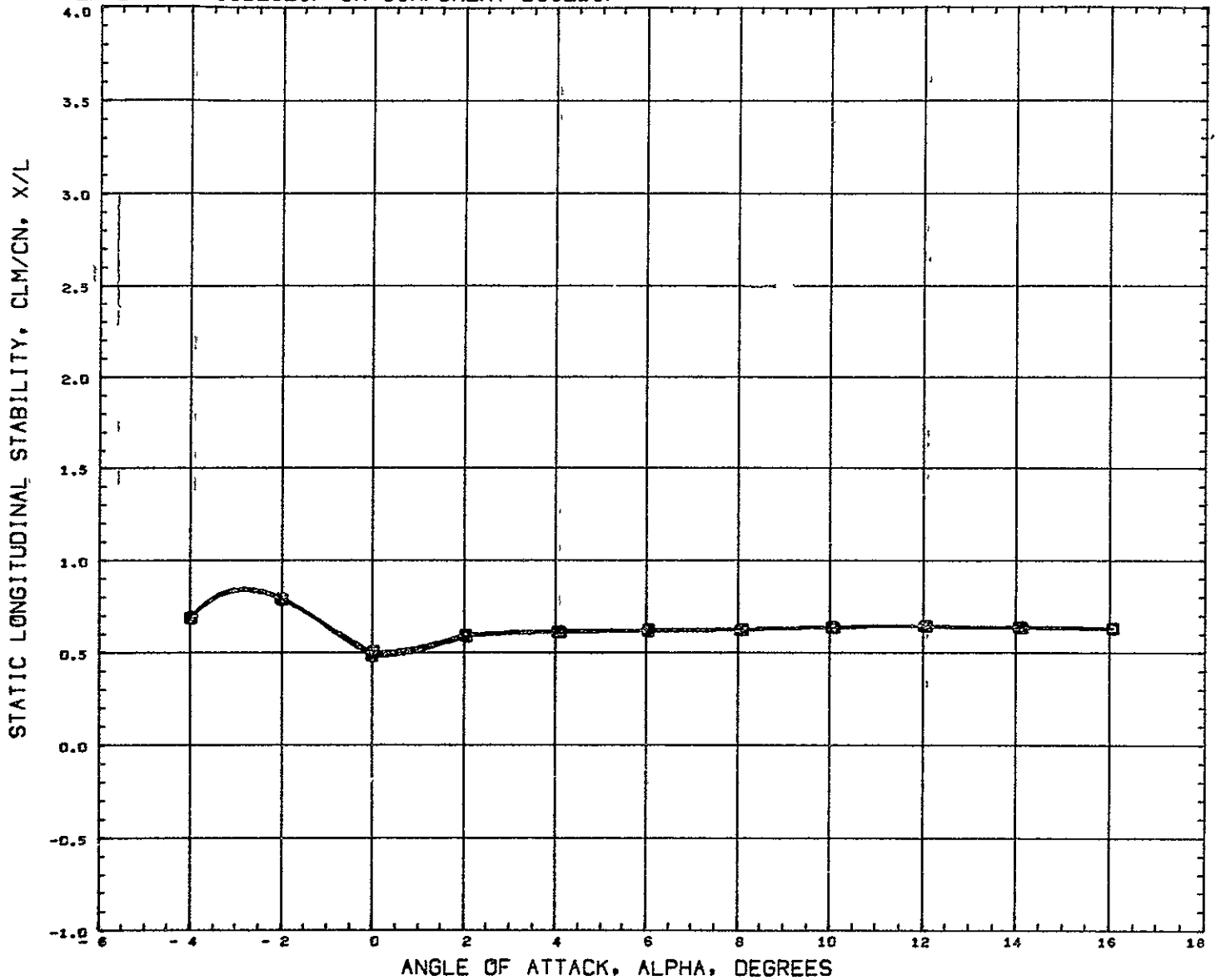


SYMBOL BETA MACH PARAMETRIC VALUES
 □ 0.000 5.000 0 259

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15.7370 INCHES
 REF8 11.3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

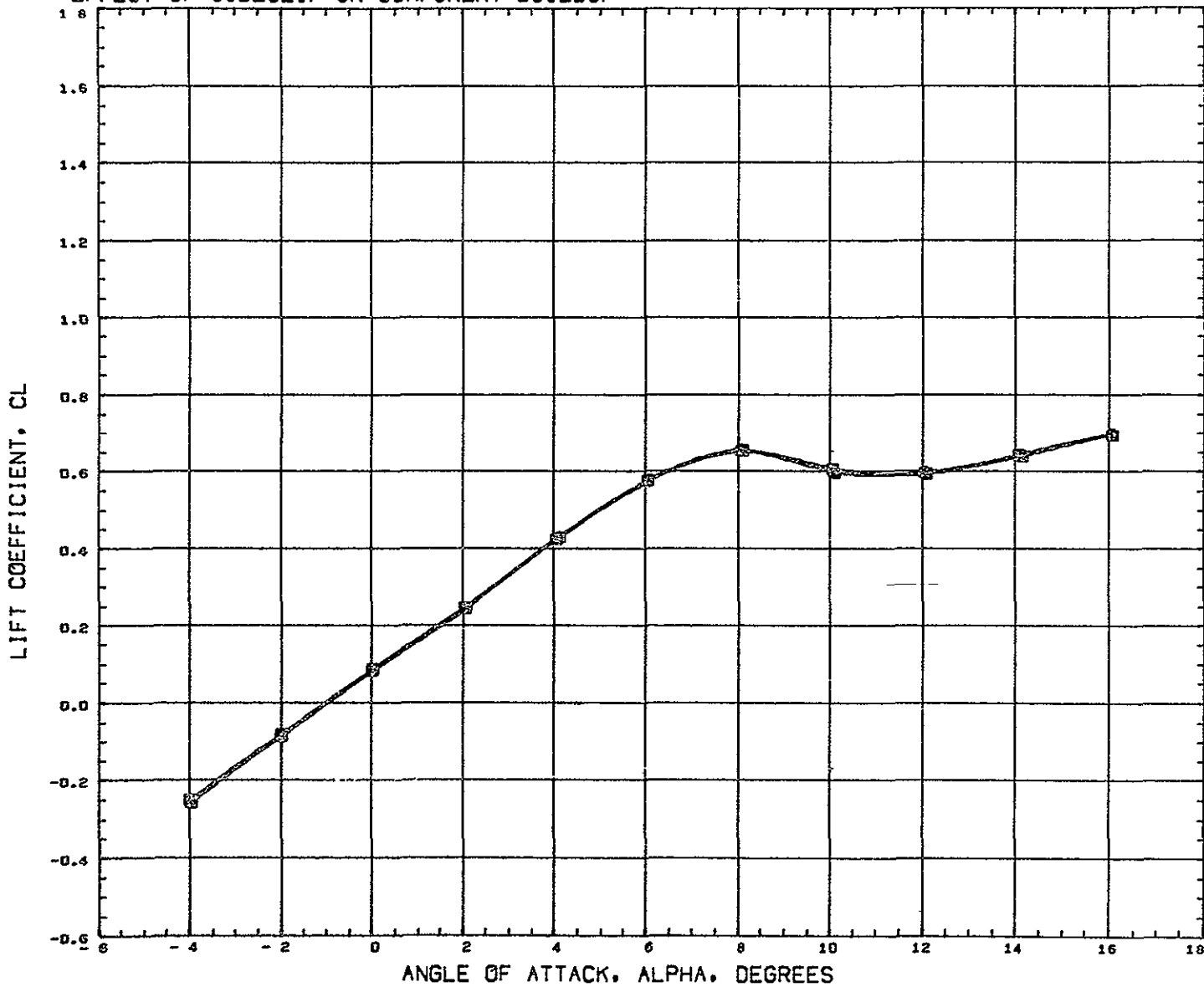


SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	H4CH 0 250
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
PEFL	15.7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

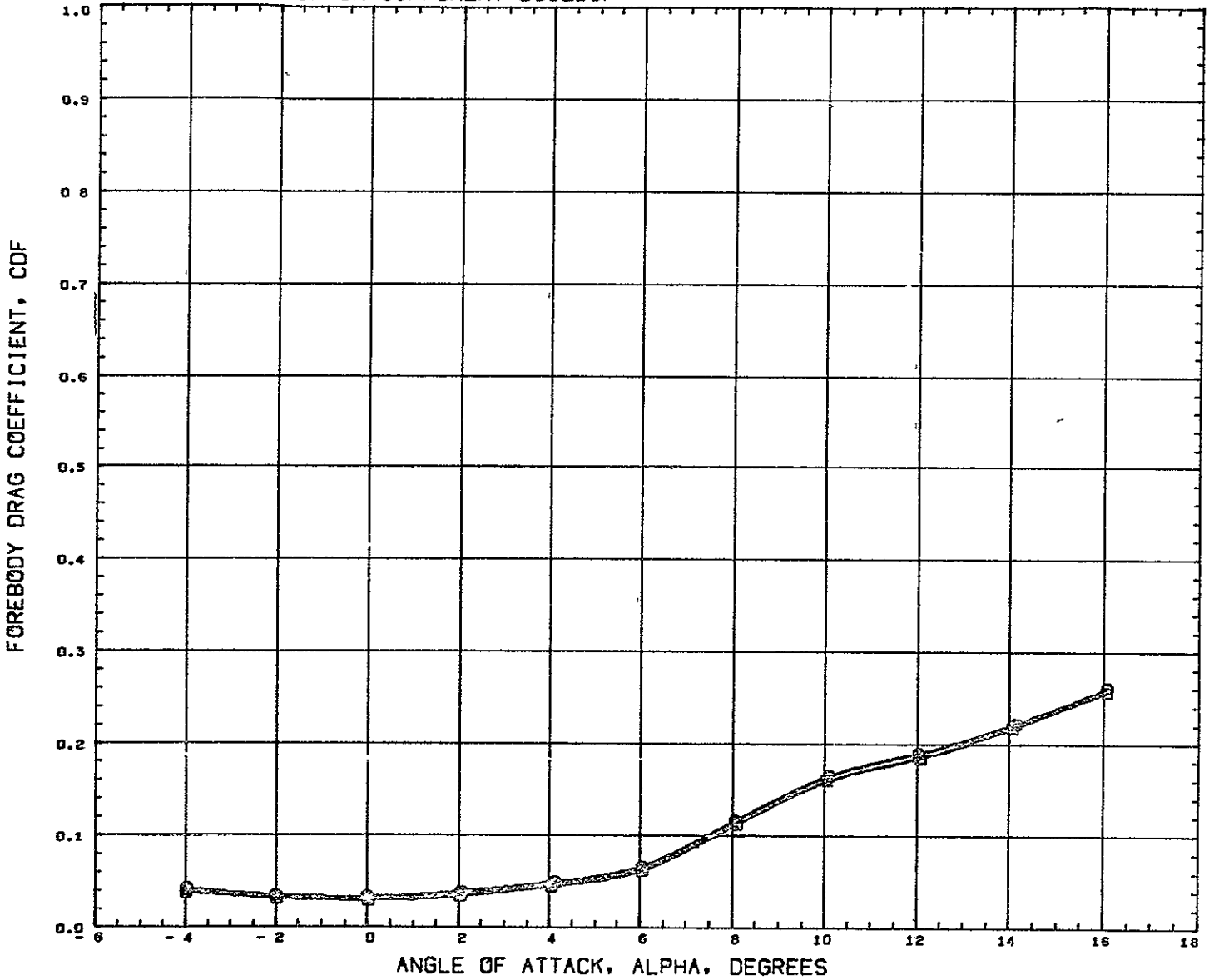


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 MACH 0.259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

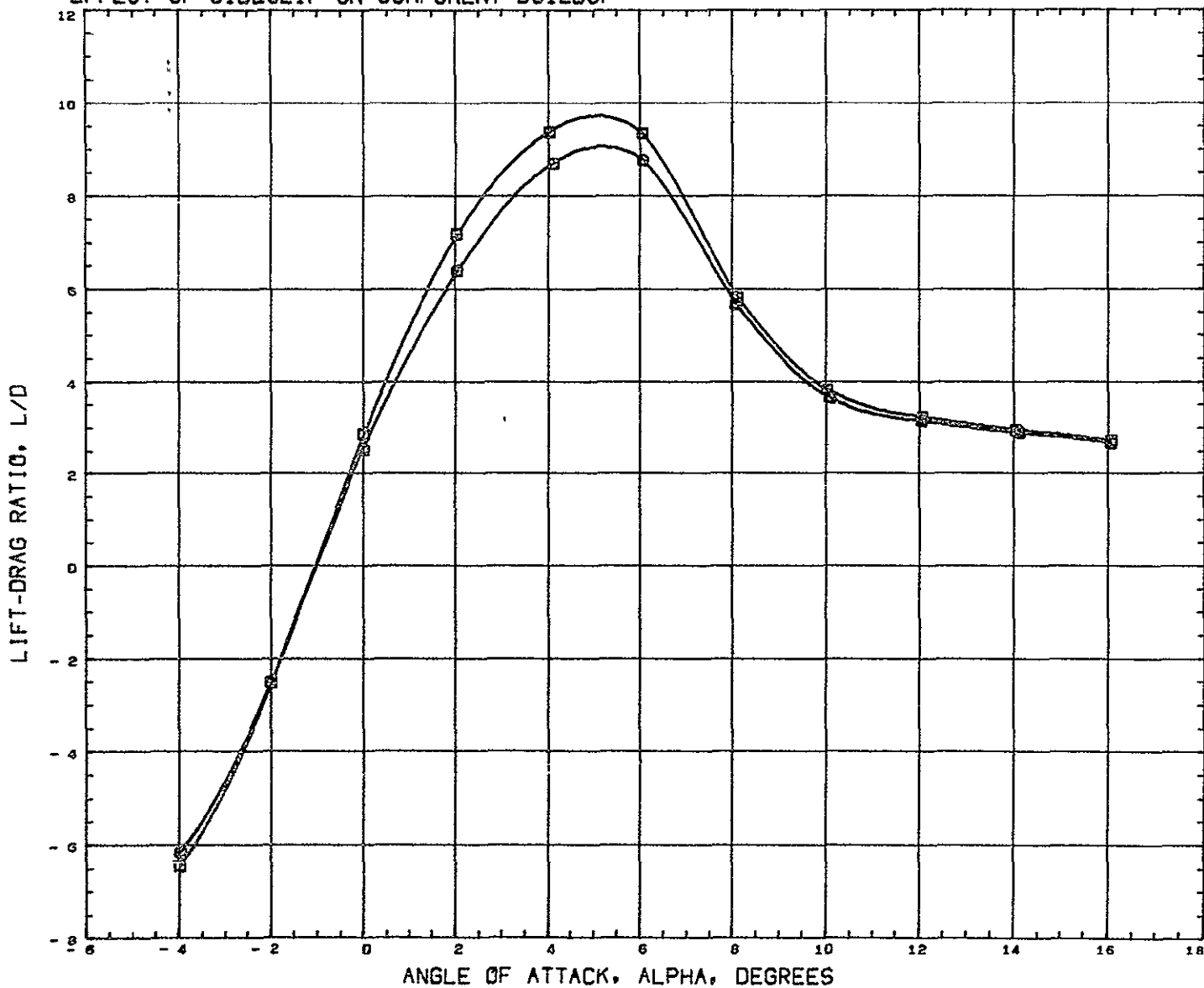


SYMBOL BETA⁴ MACH PARAMETRIC VALUES
 ○ 0.000 0 259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

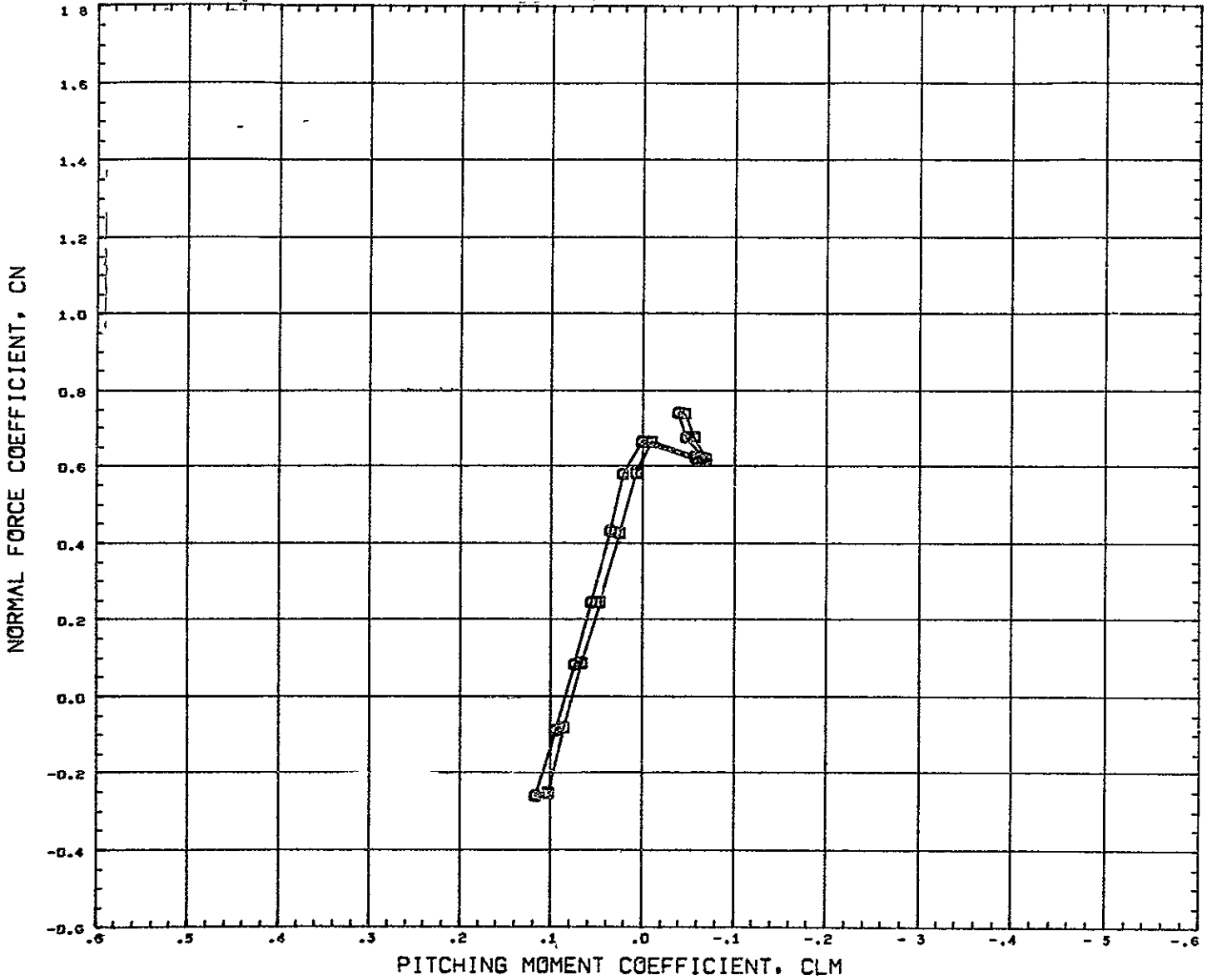


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 MACH 0.259
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP



SYMBOL	BETA	MACH	PARAMETRIC VALUES
○	0.000		0.253
□	5.000		

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

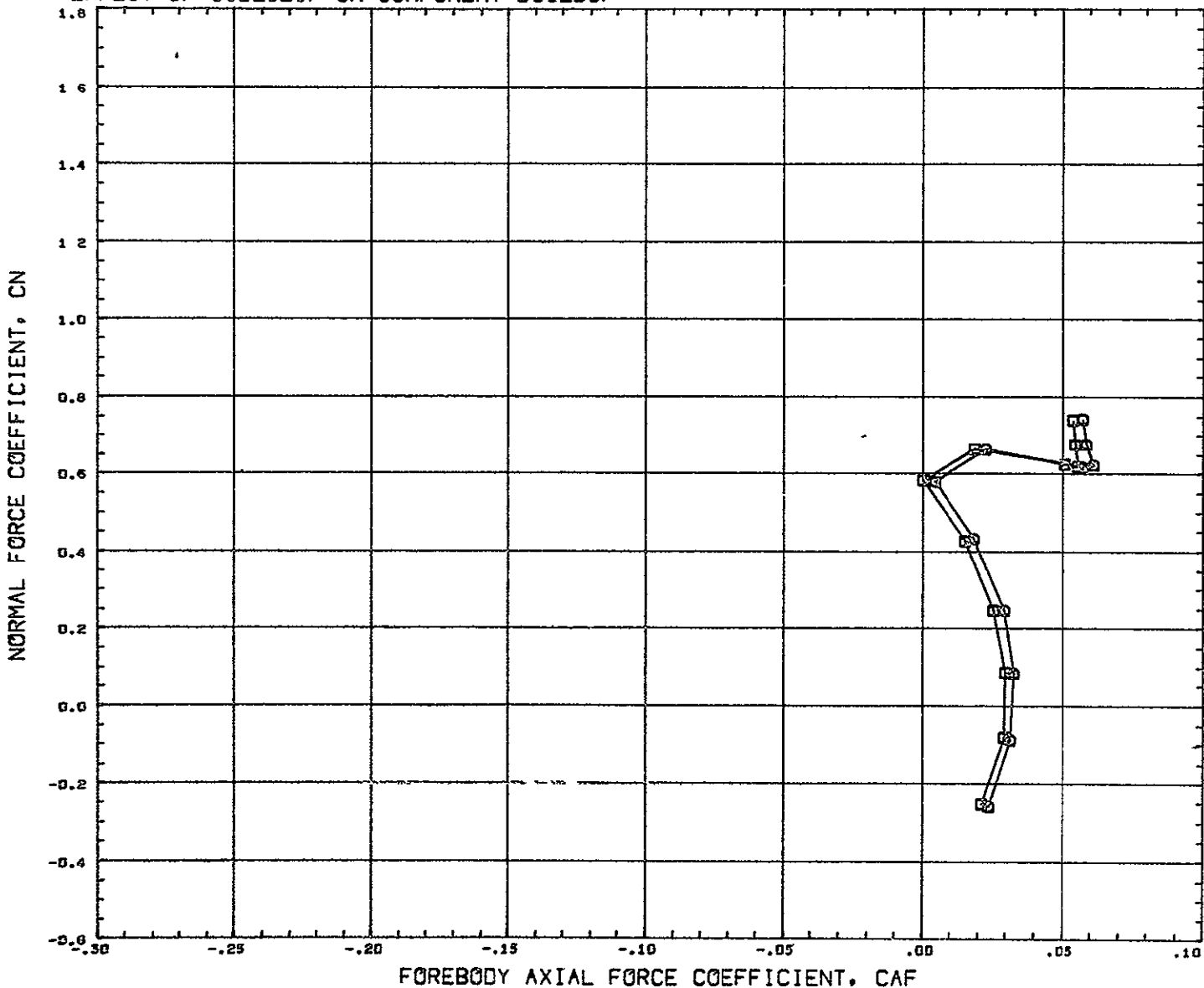
REFERENCE FILE NAAL 632 NA-70-73

NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12

(RCG031) 02 NOV 70

PAGE 30

EFFECT OF SIDESLIP ON COMPONENT BUILDUP



SYMBOL BETA MACH PARAMETRIC VALUES

○ 0.000 5 0 259

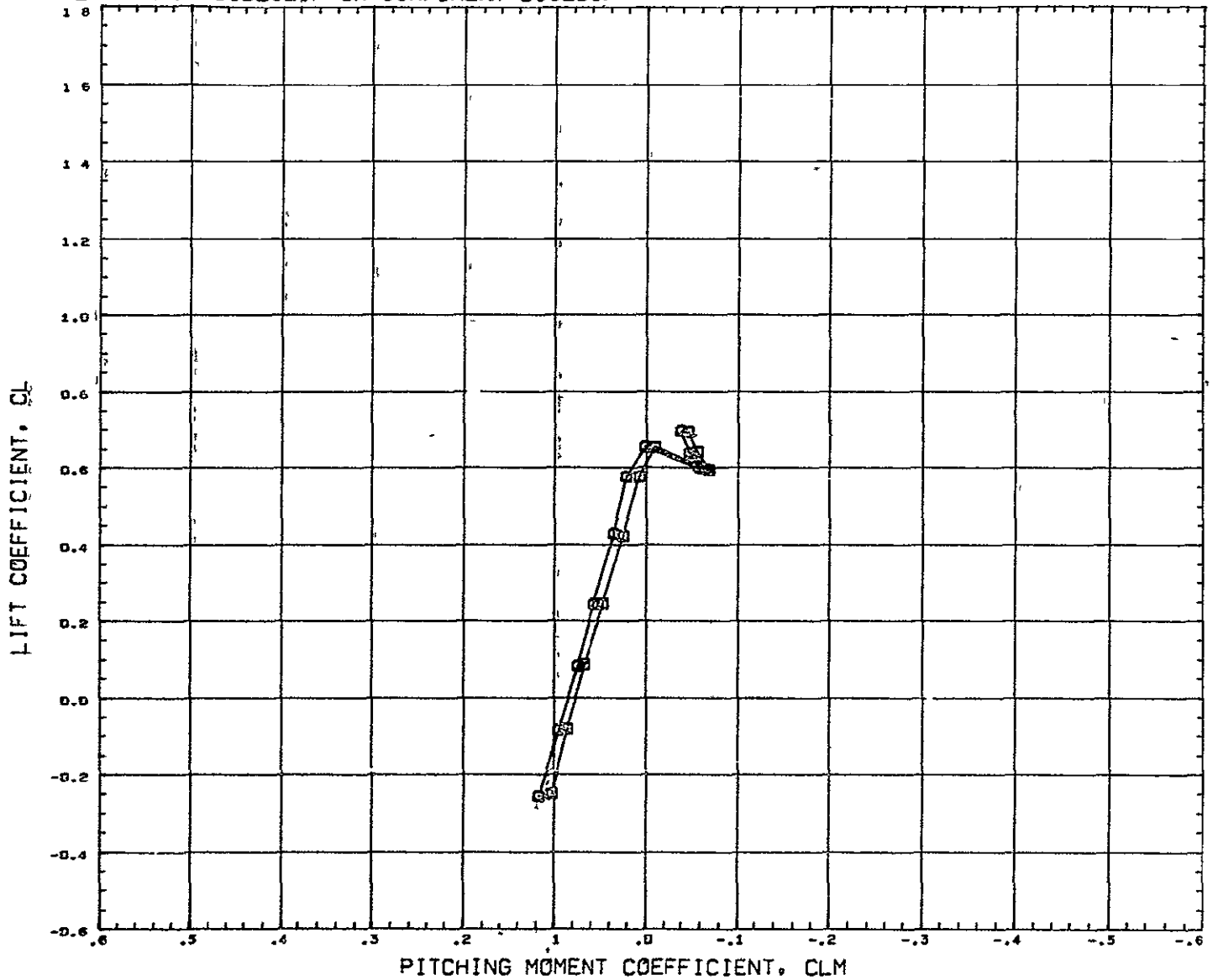
□ 5.000 5 0 259

REFERENCE INFORMATION

REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

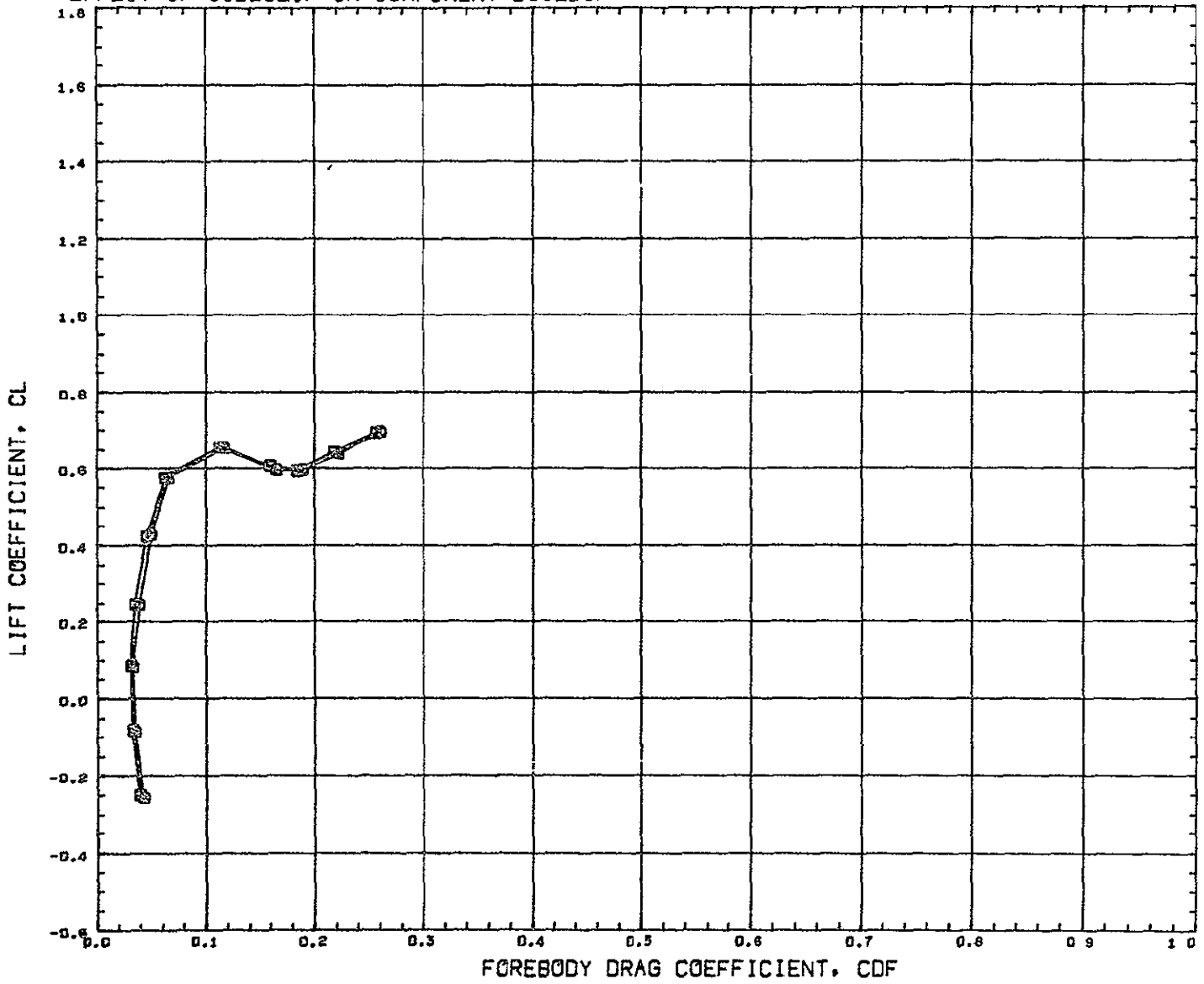


SYMBOL	BETA	PARAMETRIC VALUES
□	0.000	MACH 0.239
○	5.000	

REFERENCE INFORMATION		
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REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP

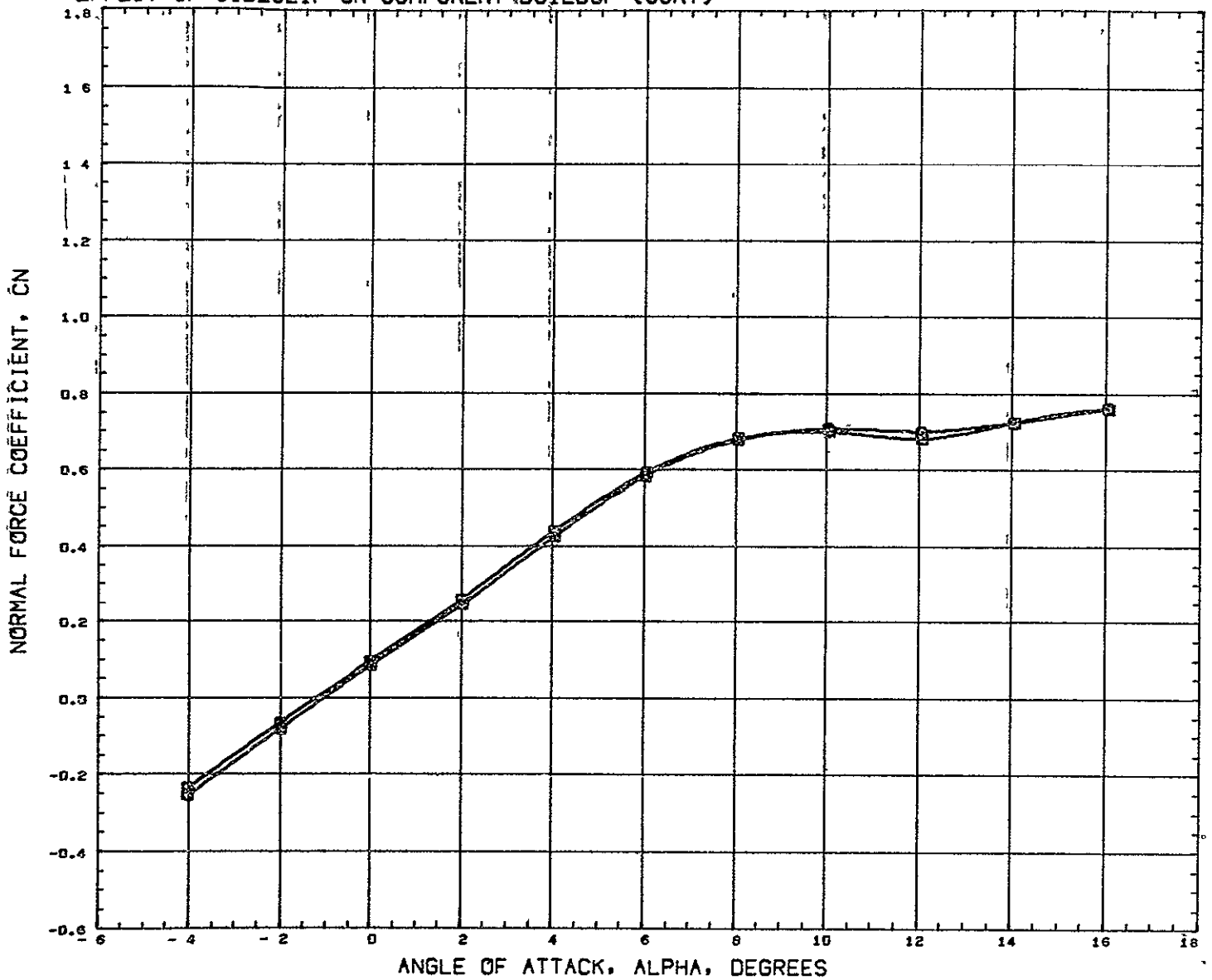


SYMBOL	BETA	MACH	PARAMETRIC VALUES
□	0.000		0.259
□	5.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-75

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

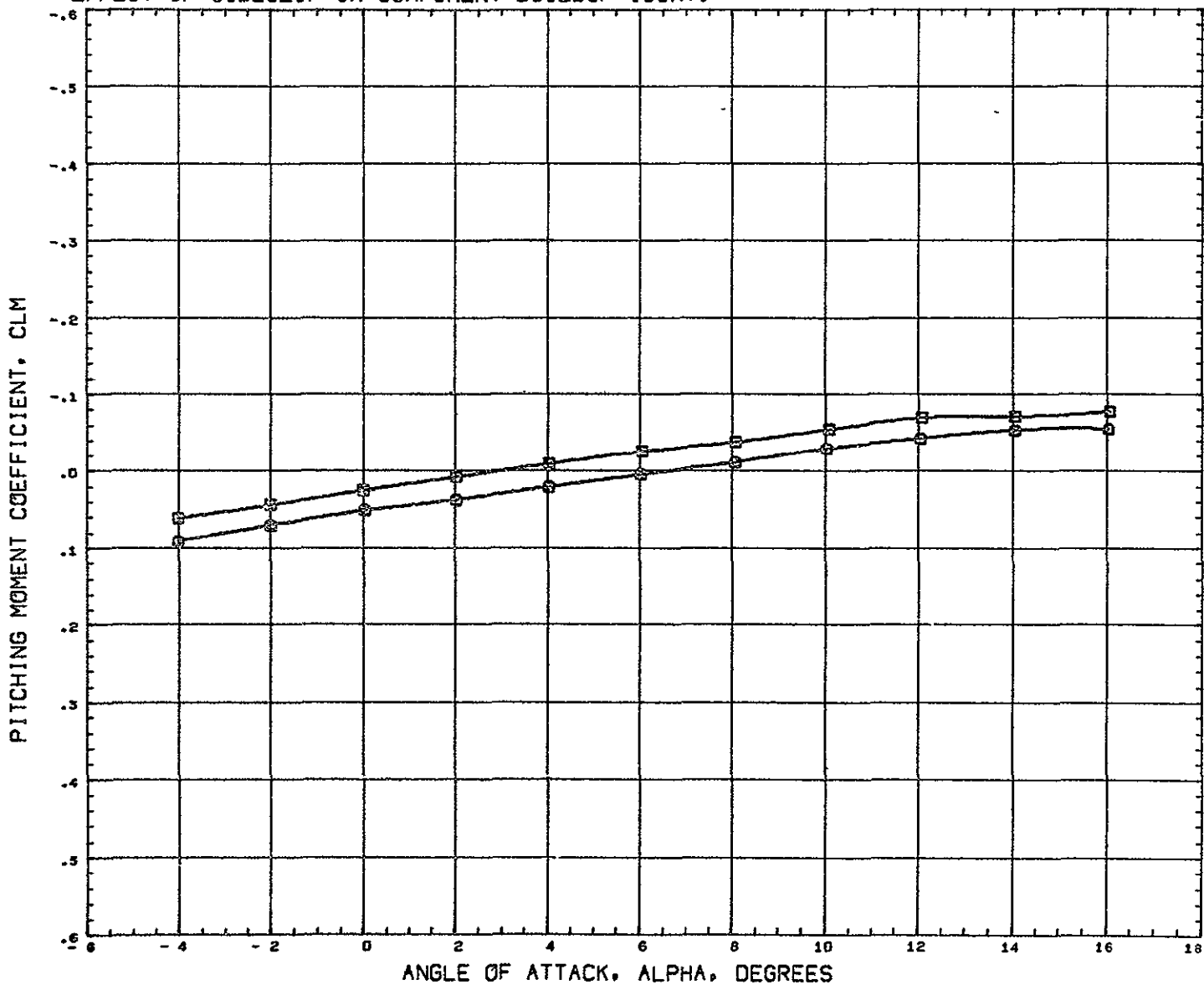


SYMBOL	BETA	PARAMETRIC VALUES			
□	0.000	H ₀ CH	0.25°	ELEVTR	0.000
□	5.000				

REFERENCE INFORMATION		
REFS	0 1790	88 FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

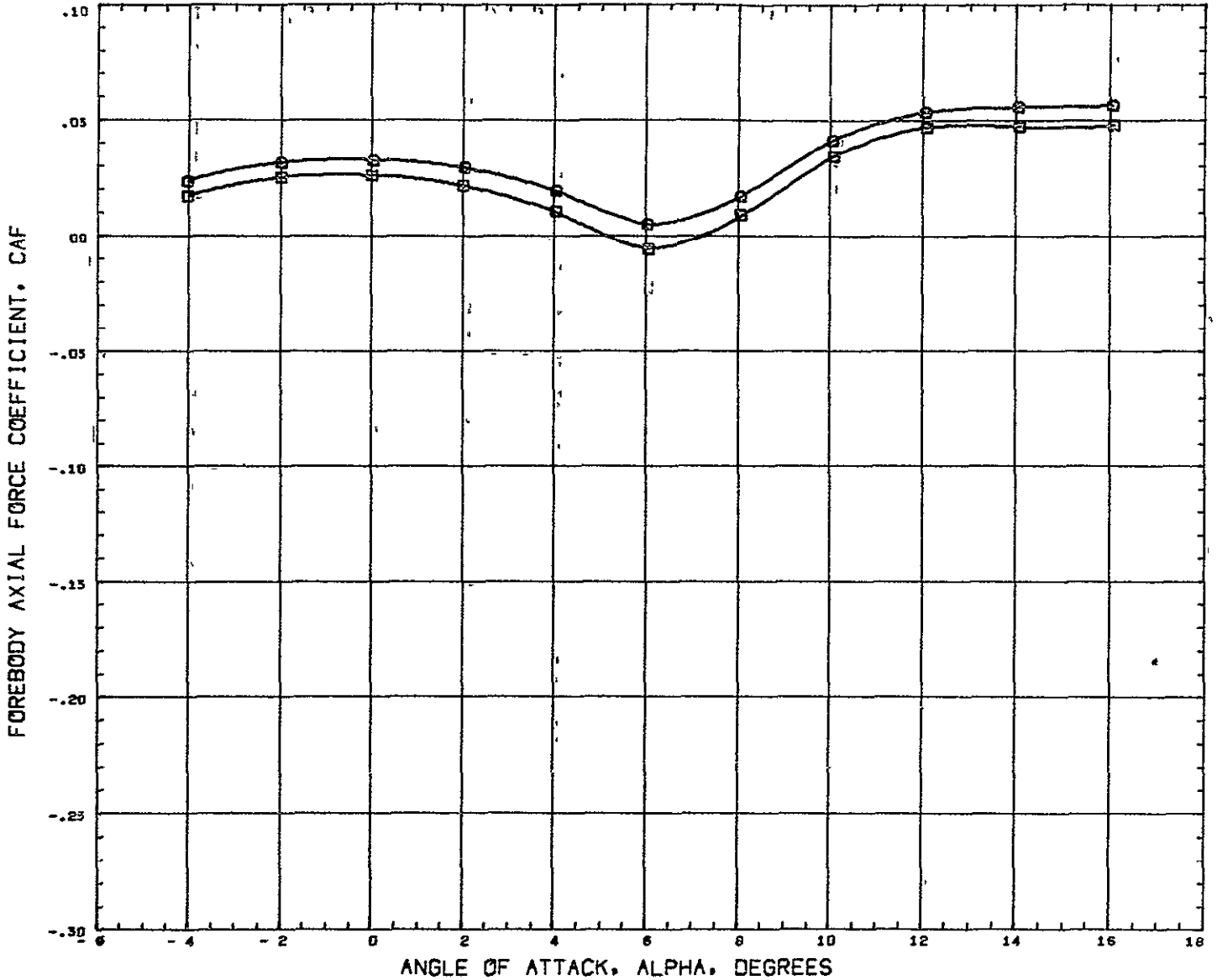


SYMBOL **BETA** **PARAMETRIC VALUES**
 ○ 0.000 MACH 0.259 ELEVTR 0.000
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0.0000 INCHES
 ZHRP 0.3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

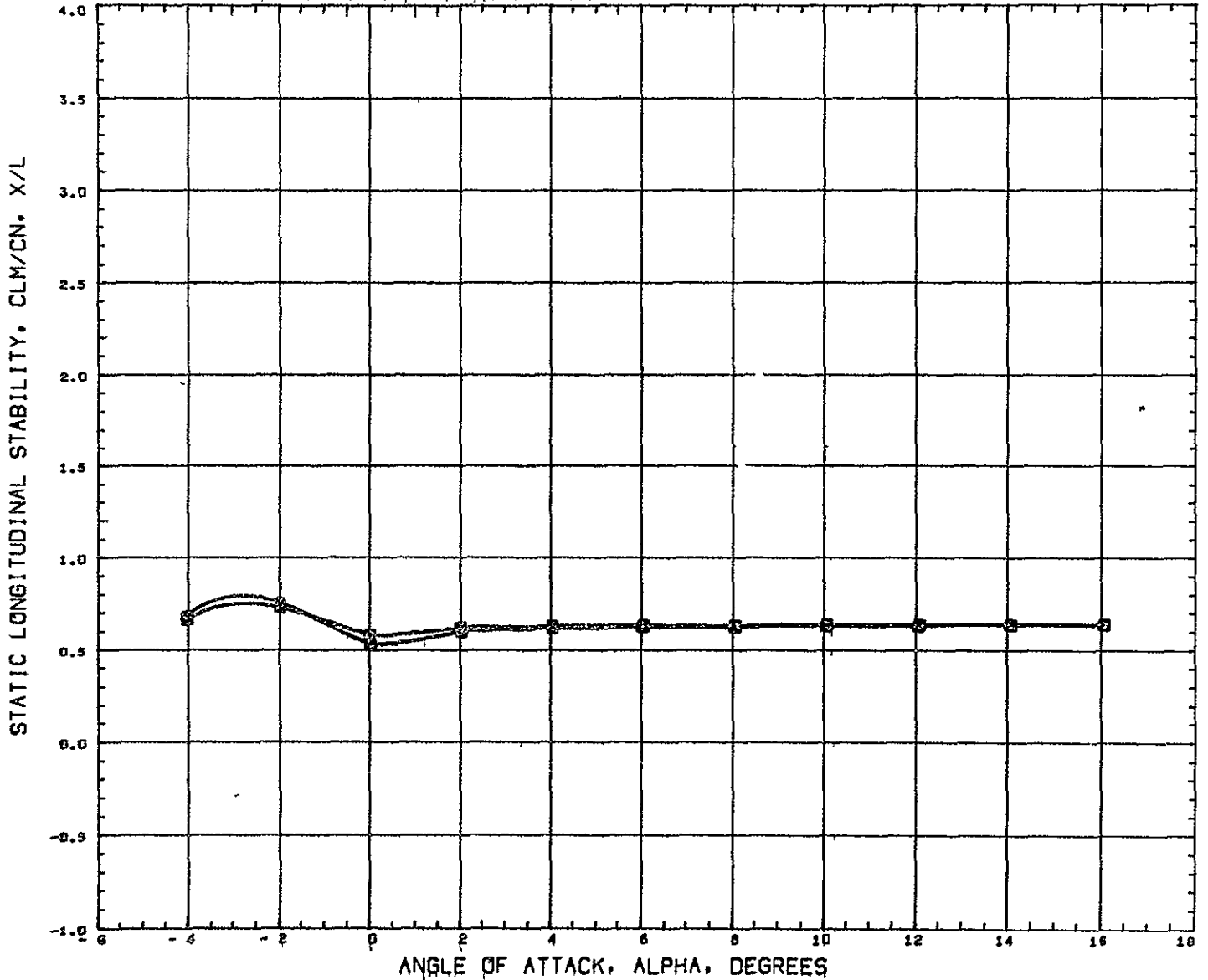


SYMBOL	BETA	MACH	PARAMETRIC VALUES		
○	0.000		0.259	ELEVTR	0.000
□	5.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

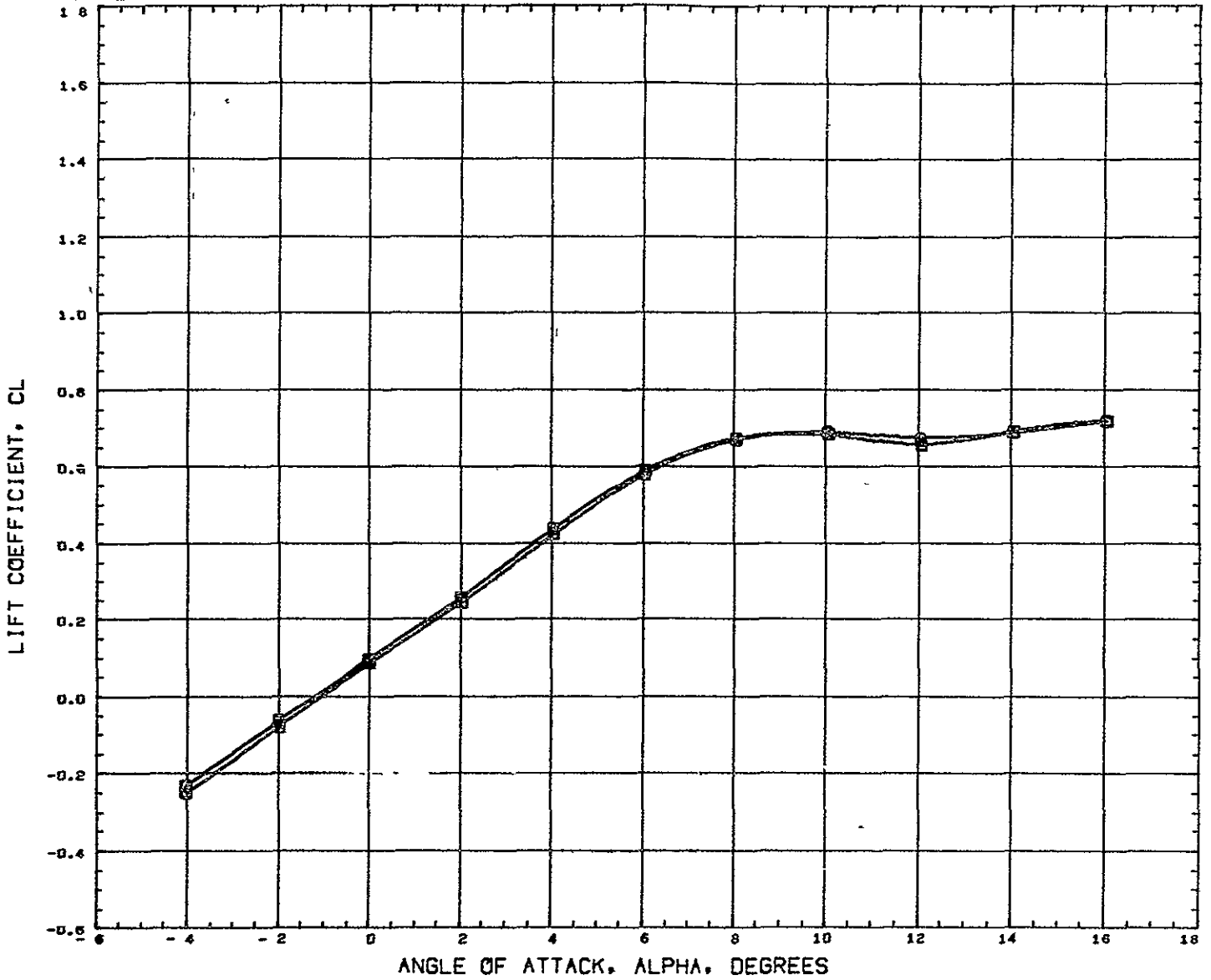


SYMBOL BETA PARAMETRIC VALUES
 □ 0.000 MACH 0.253 ELEVTR 0.000
 □ 5.000

REFERENCE INFORMATION
 REFS 0.1790 SQ FT
 REFL 15.7370 INCHES
 REFB 11.3390 INCHES
 XHRP 9.8400 INCHES
 YHRP 0.0000 INCHES
 ZHRP 0.3840 INCHES
 SCALE 0.0076 SCALE

REFERENCE FILE NAAL 632 HA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

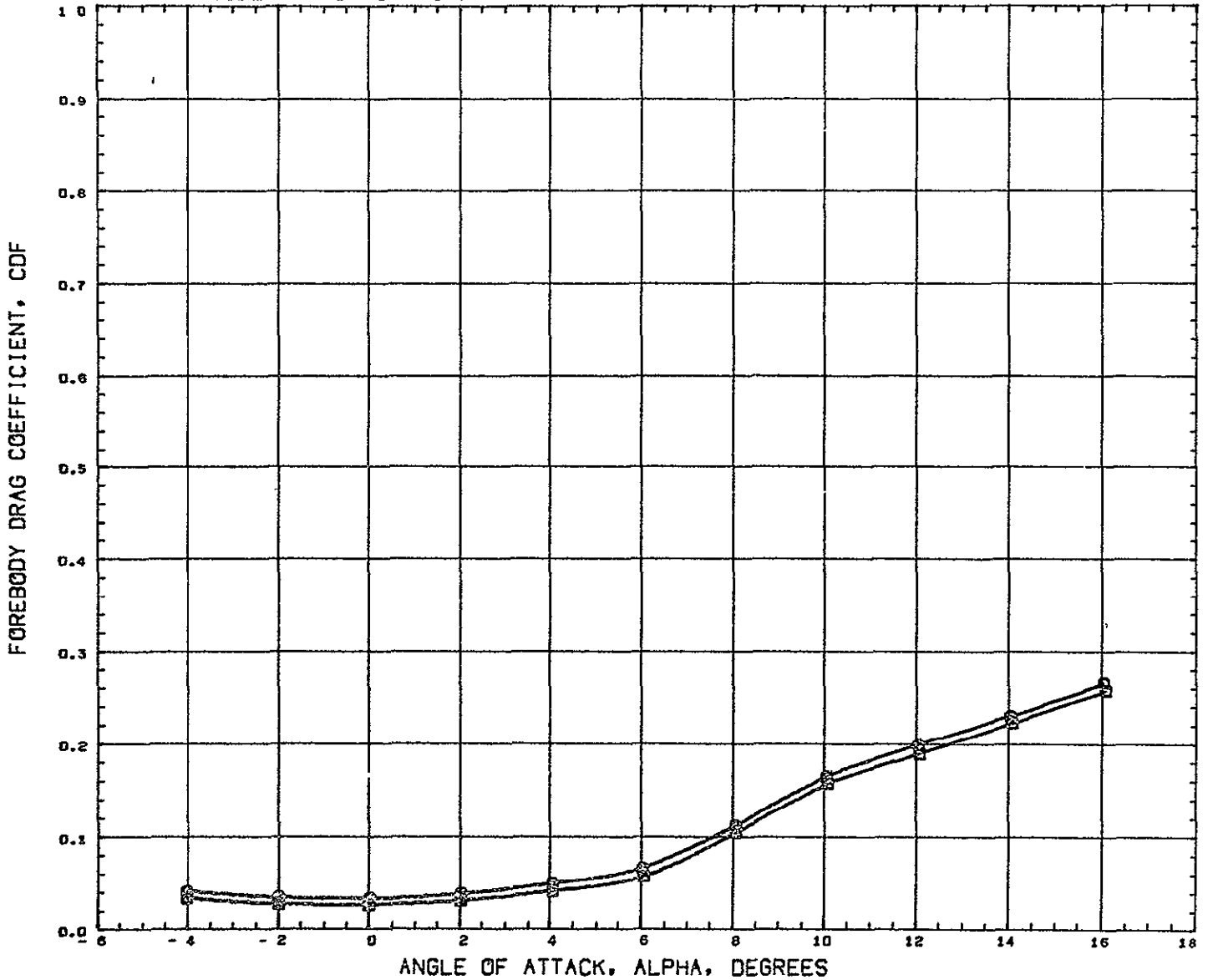


SYMBOL	BETA	PARAMETRIC VALUES			
○	0.000	MACH	0.253	ELE/TR	0 000
□	5.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFD	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

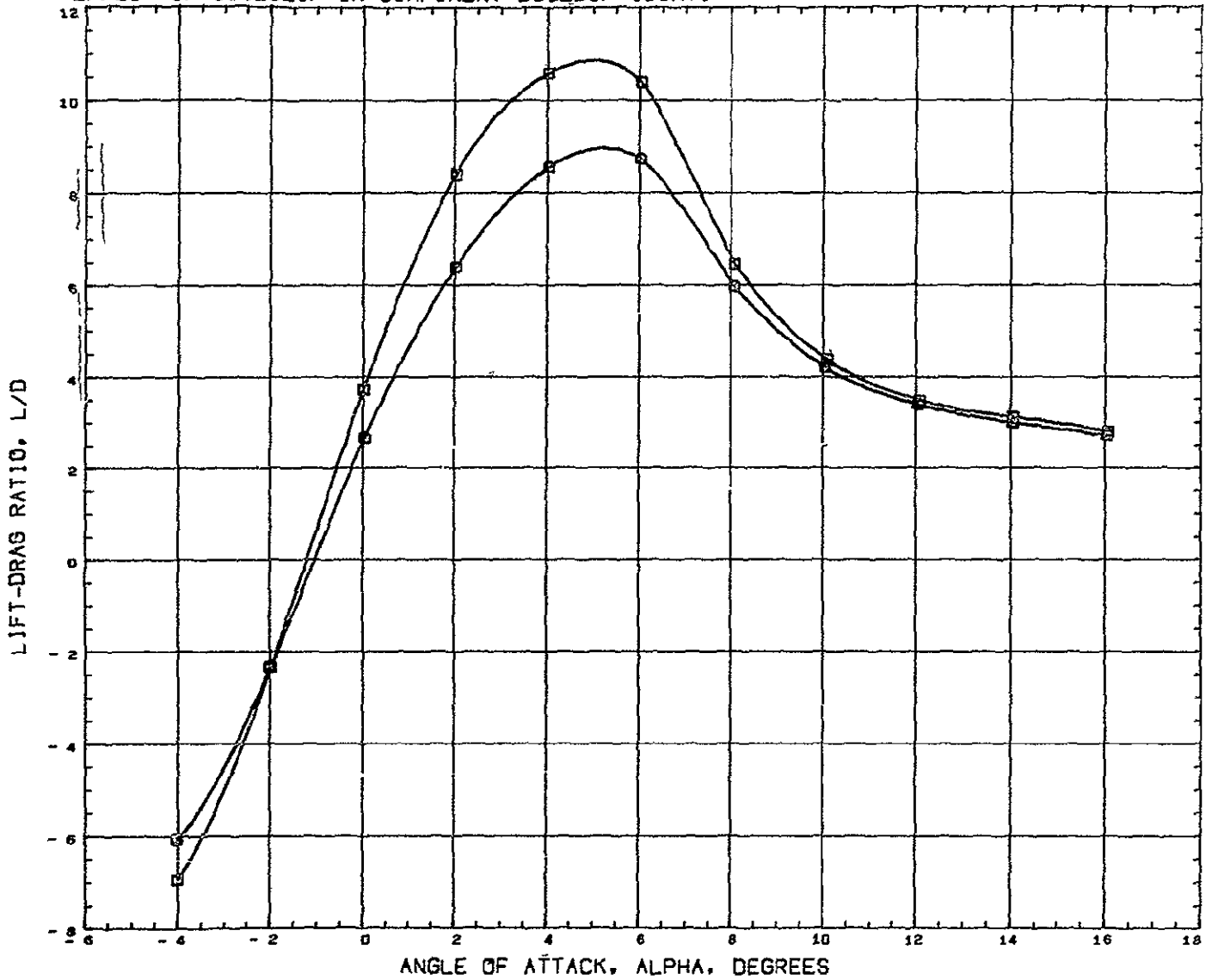


SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	MACH 0.253 ELEVTR 0.000
□	5.000	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)



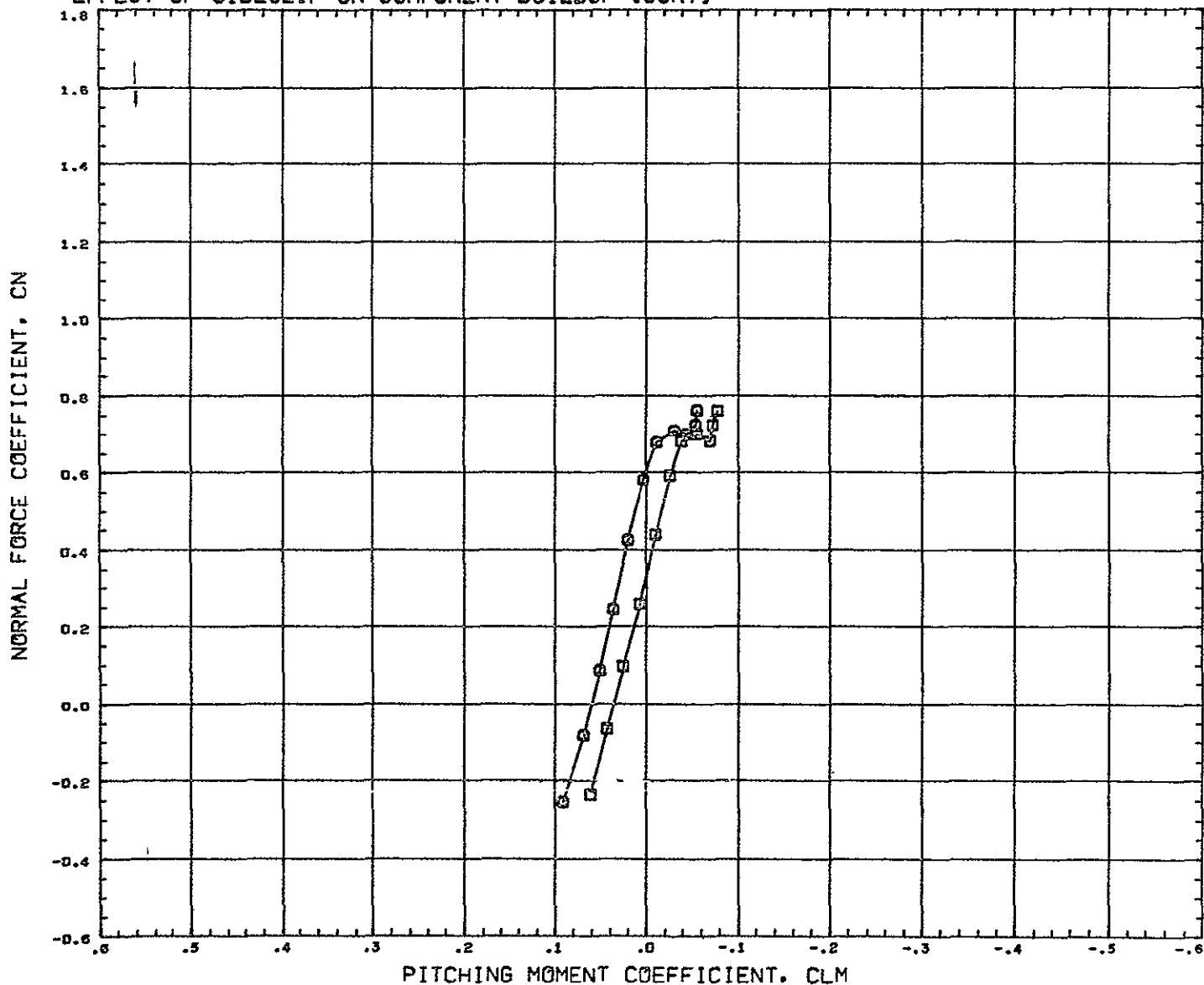
SYMBOL	BETA	MACH	PARAMETRIC VALUES		
○	0.566		0.259	ELECTR	0.000
□	5.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ. FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
YHRF	9 8400	INCHES
YHRP	0.0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73



EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

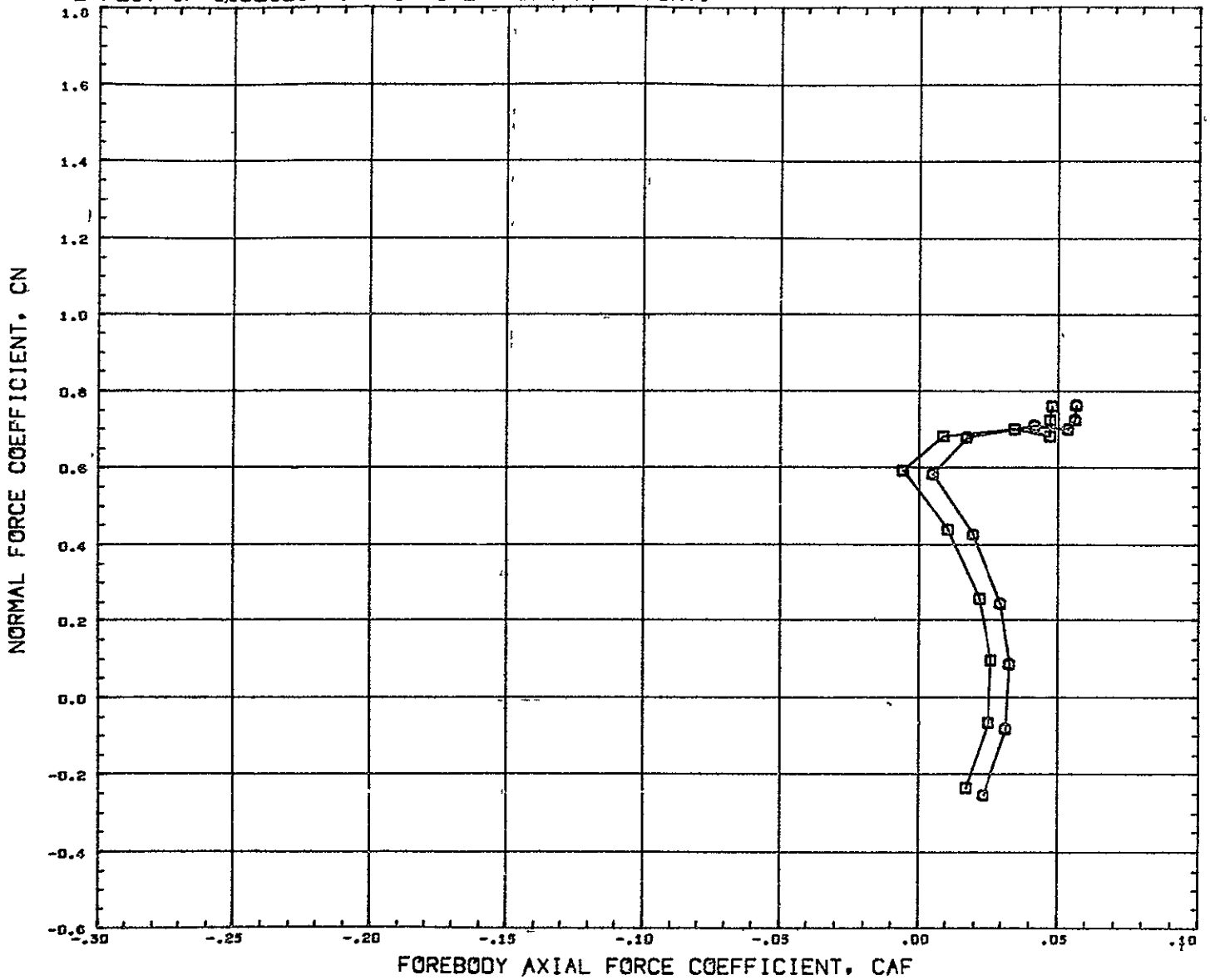


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 HACH 0 259 ELEVTR 0 000
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

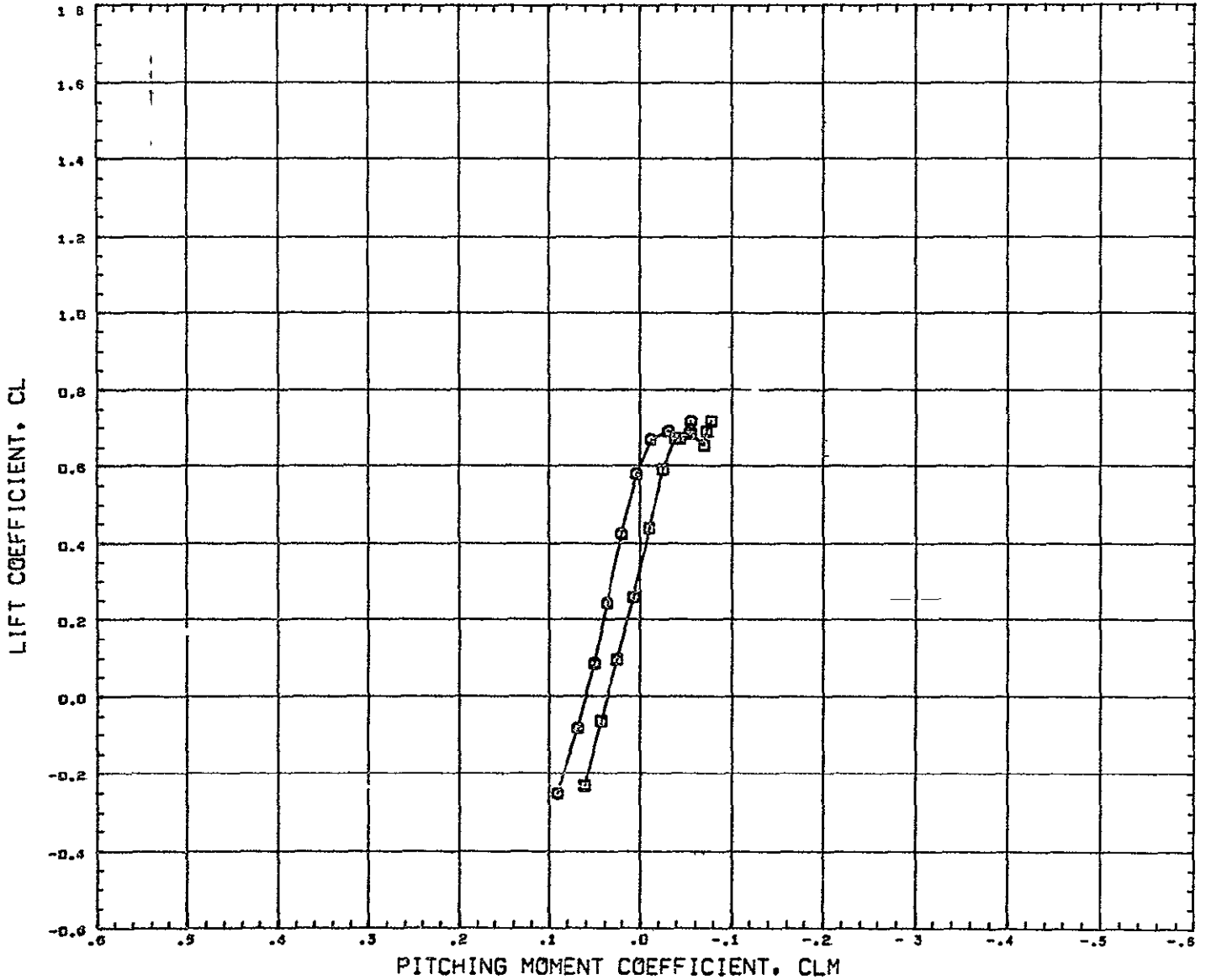


SYMBOL BETA PARAMETRIC VALUES
 □ 0.000 MACH 0.259 ELEVTR 0.000
 ○ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9.8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 INCHES SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

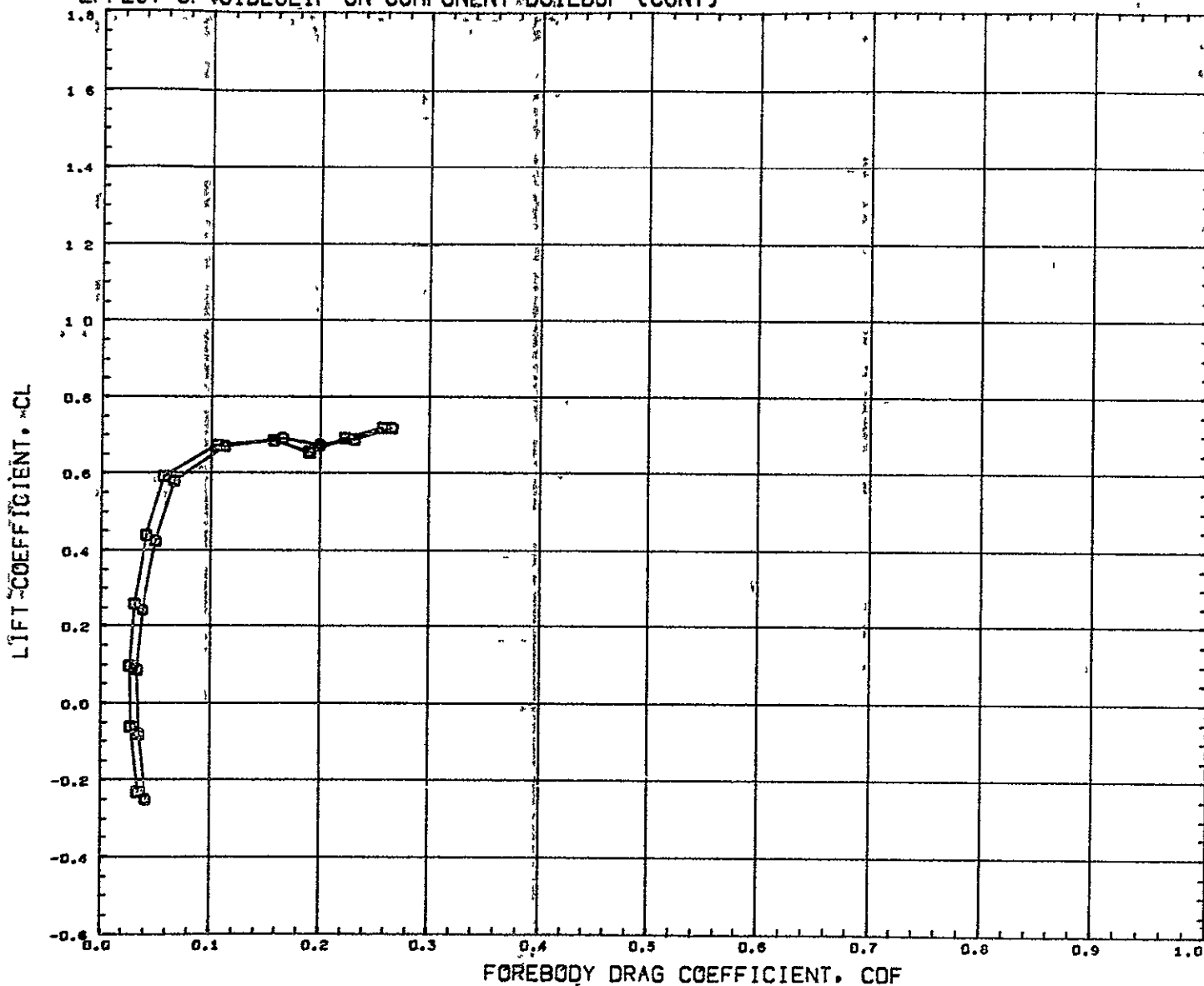


SYMBOL	BETA	PARAMETRIC VALUES			
○	0.000	MACH	0.259	ELEVTR	0.000
□	5.000				

REFERENCE INFORMATION		
REFS	0.1790	SQ FT.
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XHRP	9.8400	INCHES
YHRP	0.0000	INCHES
ZHRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

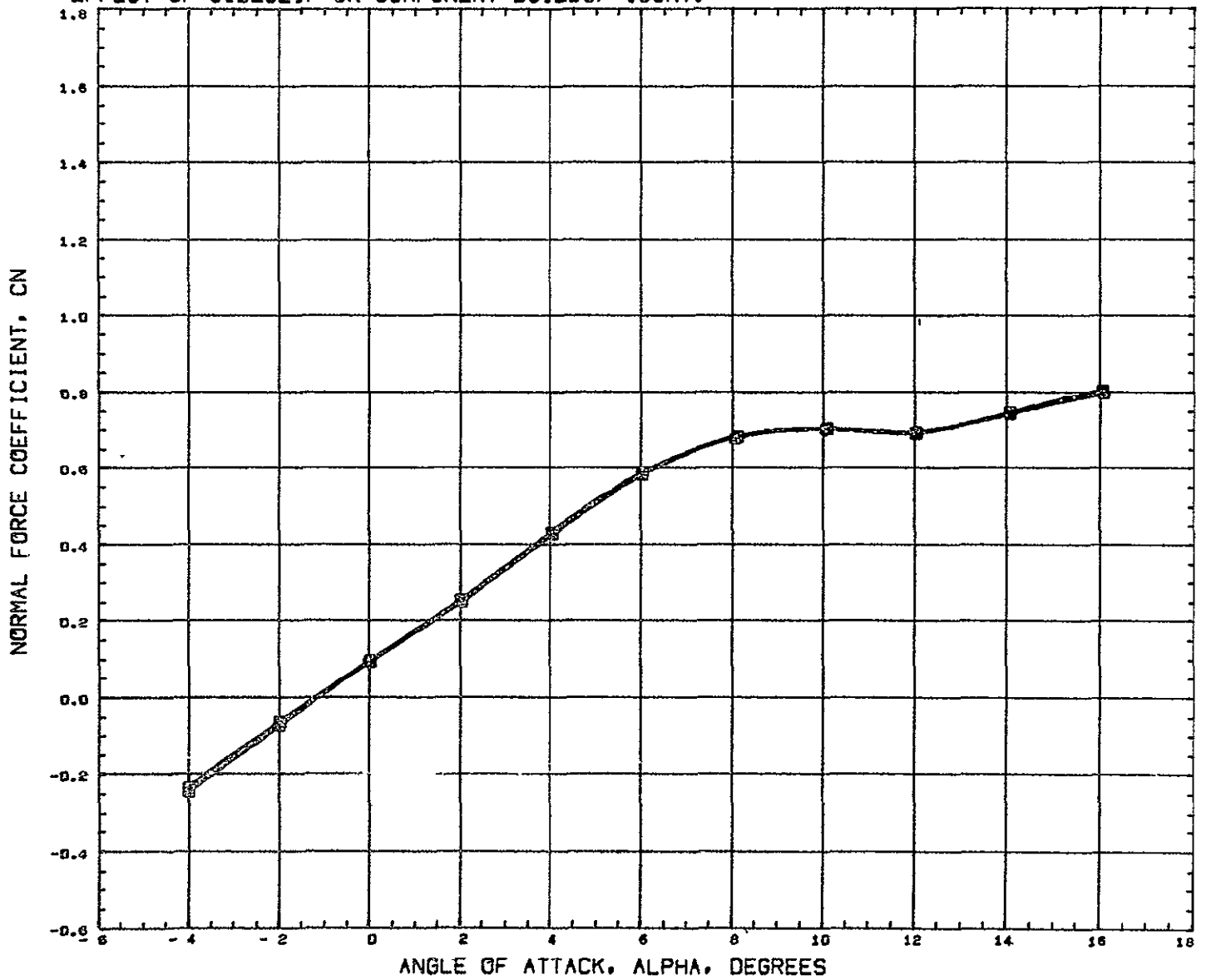


SYMBOL BETA PARAMETRIC VALUES
 0.000 MACH 0.259 ELEVTR 0.000
 5.000

REFERENCE INFORMATION
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 REFL 15 7370 INCHES
 REFB 11.5398 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

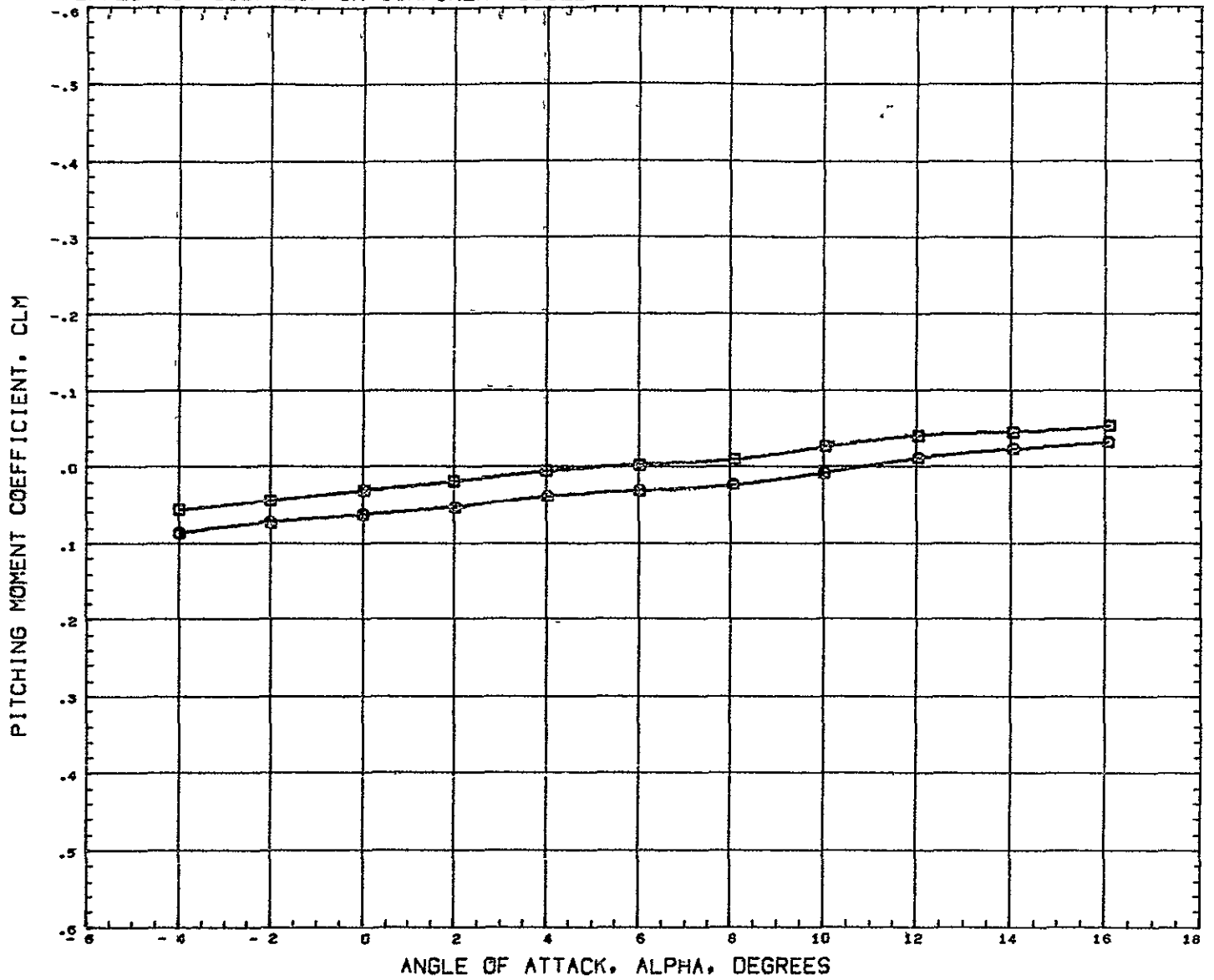


SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	MACH 0 259 MOR 0.000
□	5.000	

REFERENCE INFORMATION		
REFS	0.1790	SQ.FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

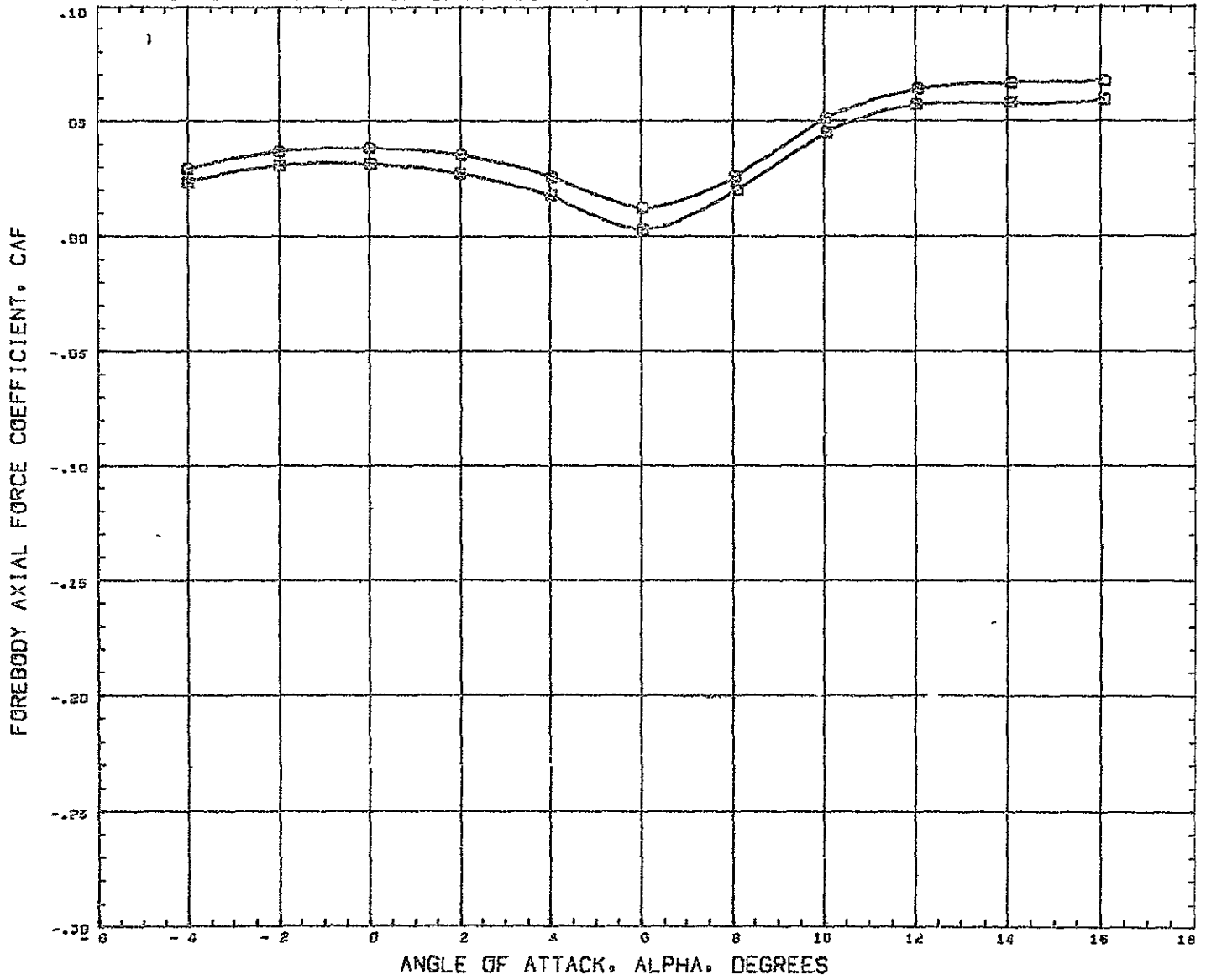


SYMBOL BETA 0.000 MAC_{cr} 0.259 HCP 0.000
 0.0 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15.7370 INCHES
 REFB 11 3390 INCHES
 XNRP 9 8400 INCHES
 YNRP 0 0000 INCHES
 ZNRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

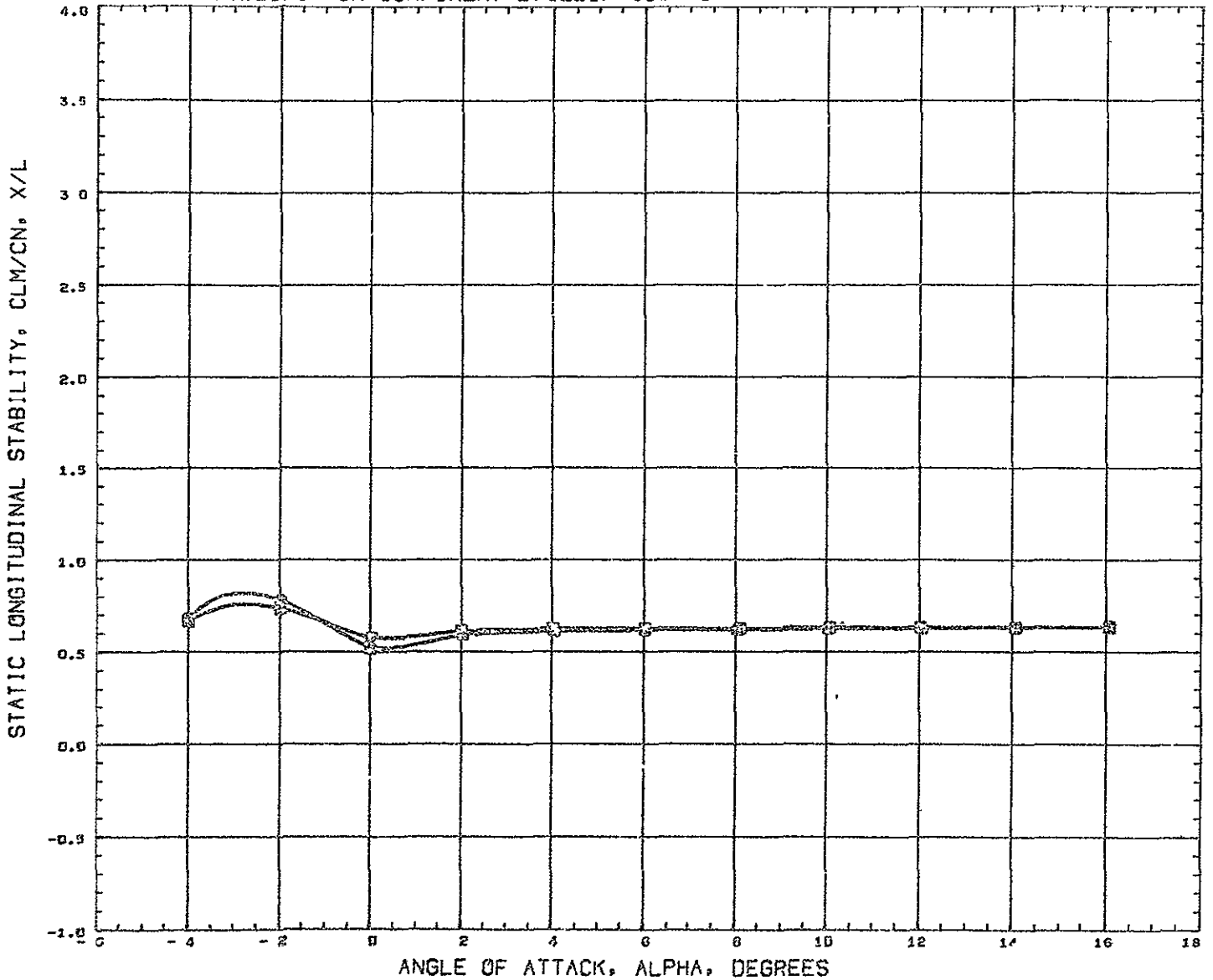


SYMBOL	BETA	PARAMETRIC VALUES			
○	0.000	MACH	0.259	NOX	0.000
□	5.000				

REFERENCE INFORMATION		
PEFS	0.1790	SQ FT
REFL	15.7370	INCHES
REFB	11.5350	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

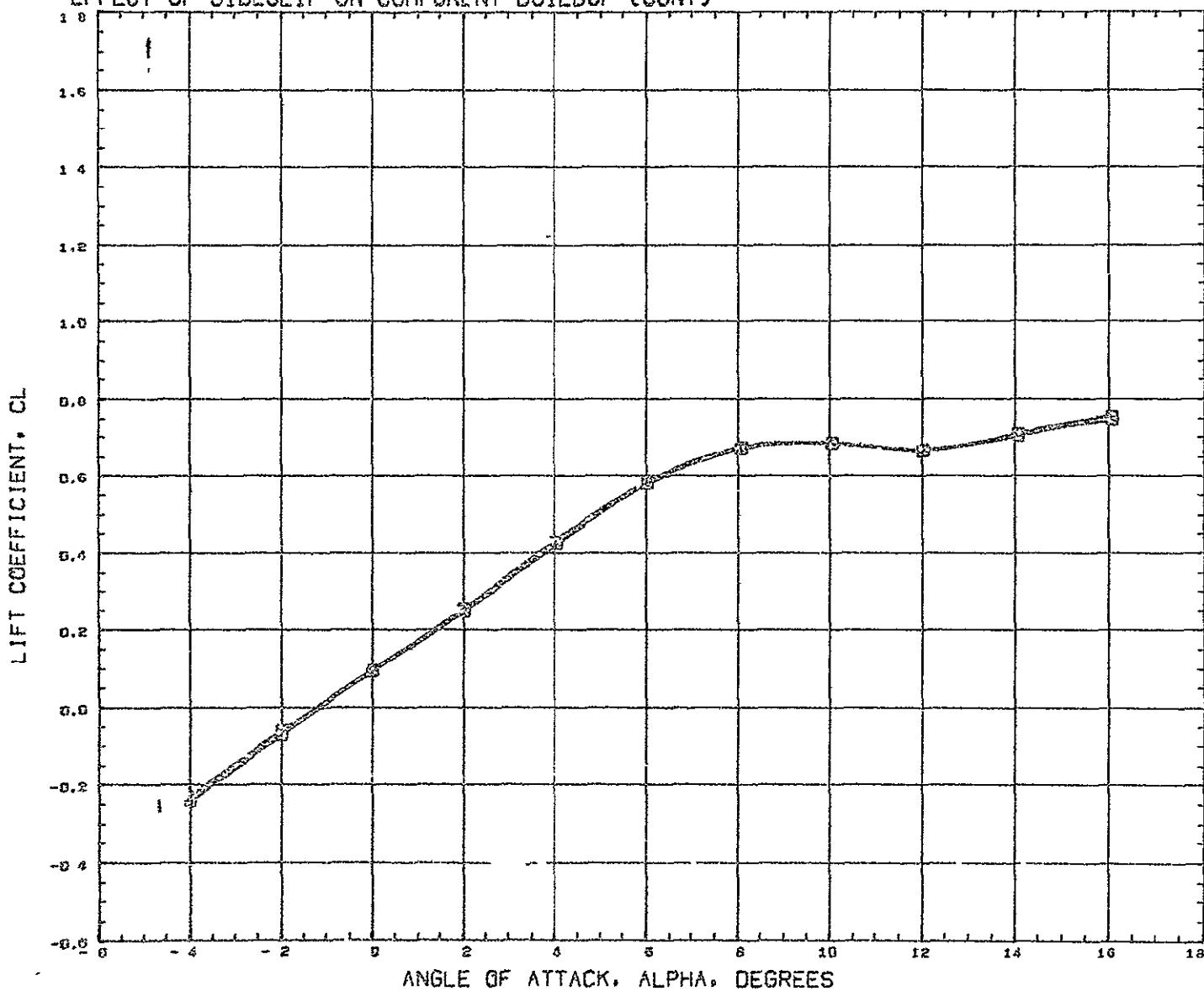


SYMBOL	BETA	MACH	PARAMETRIC VALUES	REFL	SCALE
○	0.000		0 250	15	0.000
□	5.000			11	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
YHRP	9 8400	INCHES
ZHRP	0 0000	INCHES
ZNRF	0 3870	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 N1-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)



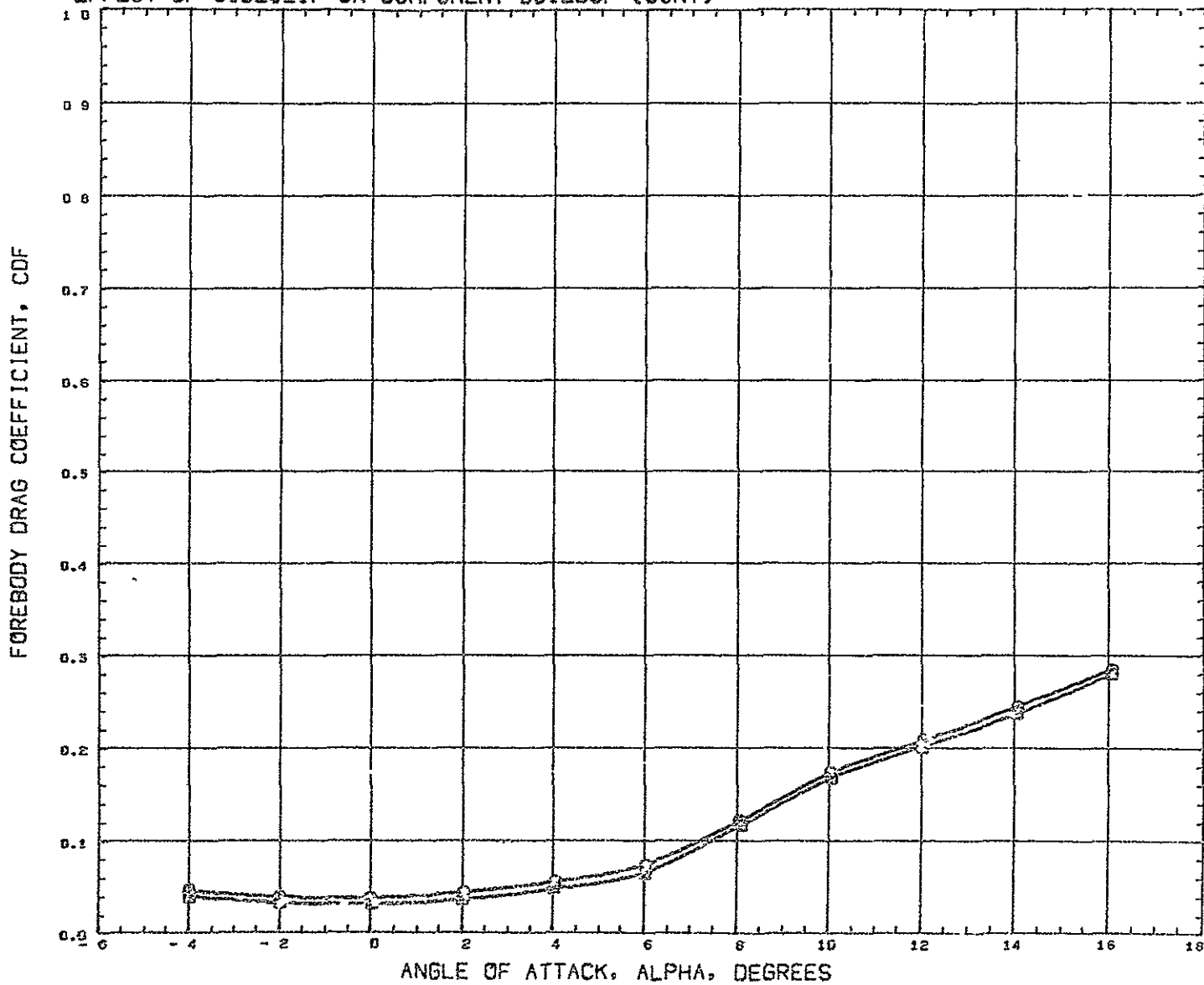
SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	0.253 hQR 0.000
□	5.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
PEFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0.0000	INCHES
ZMPF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 HA-70-73



EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

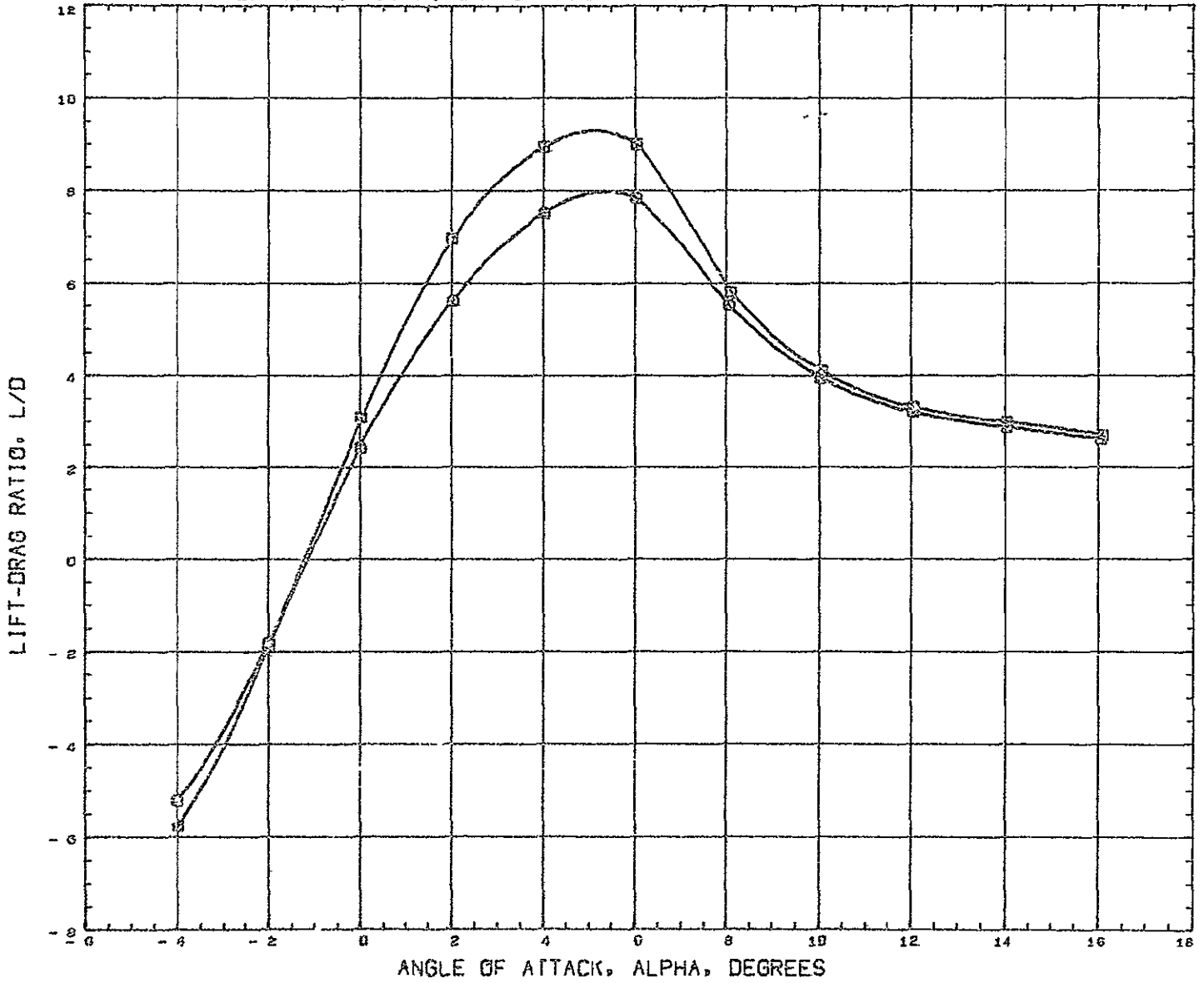


SYMBOL	BETA	PARAMETRIC VALUES			
○	0.000	MACH	0.239	HOR	0.000
□	5.000				

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 73.0	INCHES
REFB	11 3350	INCHES
XMRP	9 0400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-79-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

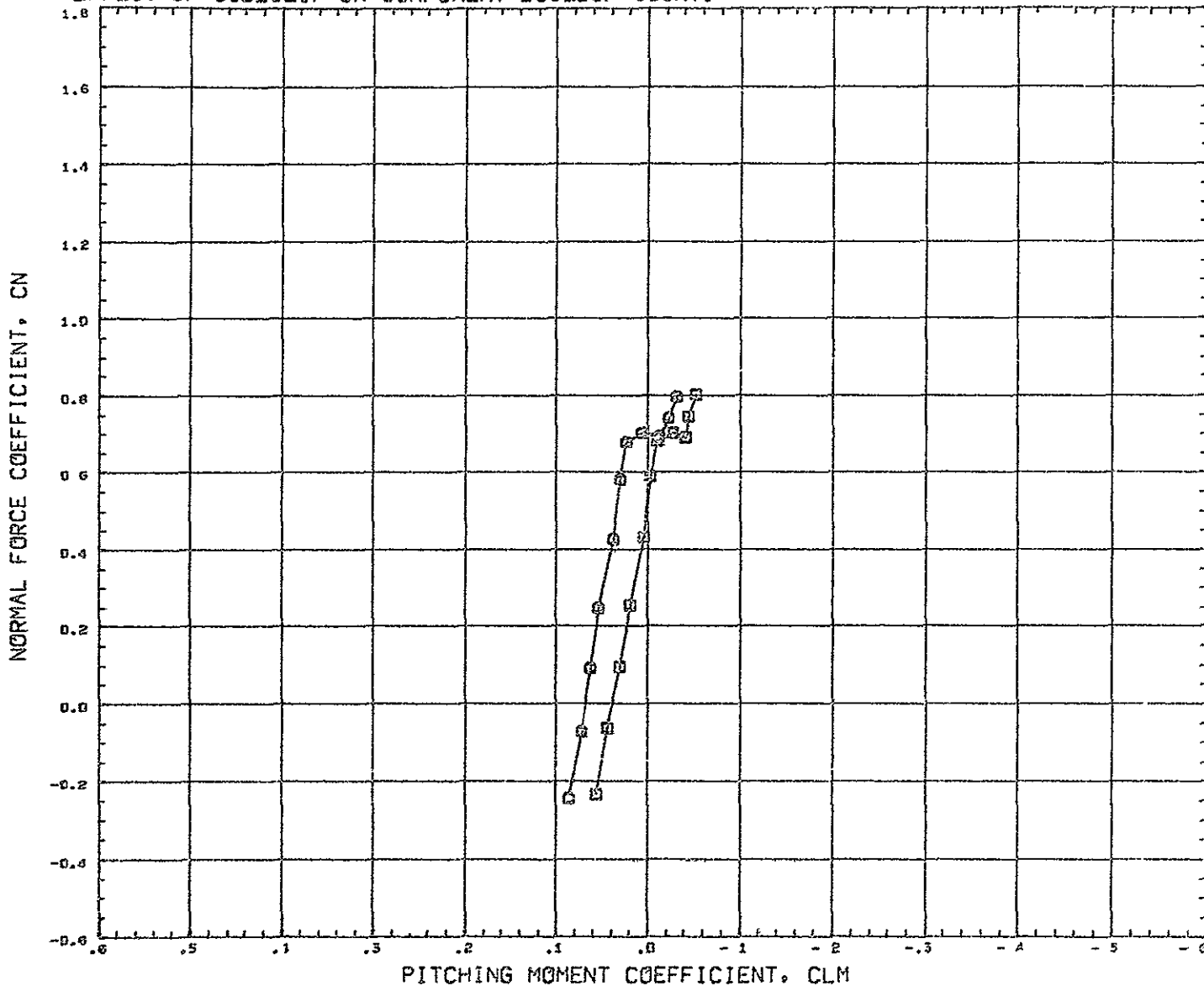


SYMBOL	BETA	MACH	PARAMETRIC VALUES		
○	0.000		0.259	HCX	0.000
□	5.000				

REFERENCE INFORMATION			
REFS	0	1790	SQ FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YHRP	0	0000	INCHES
ZMPP	0	3840	INCHES
SCALE	0	0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

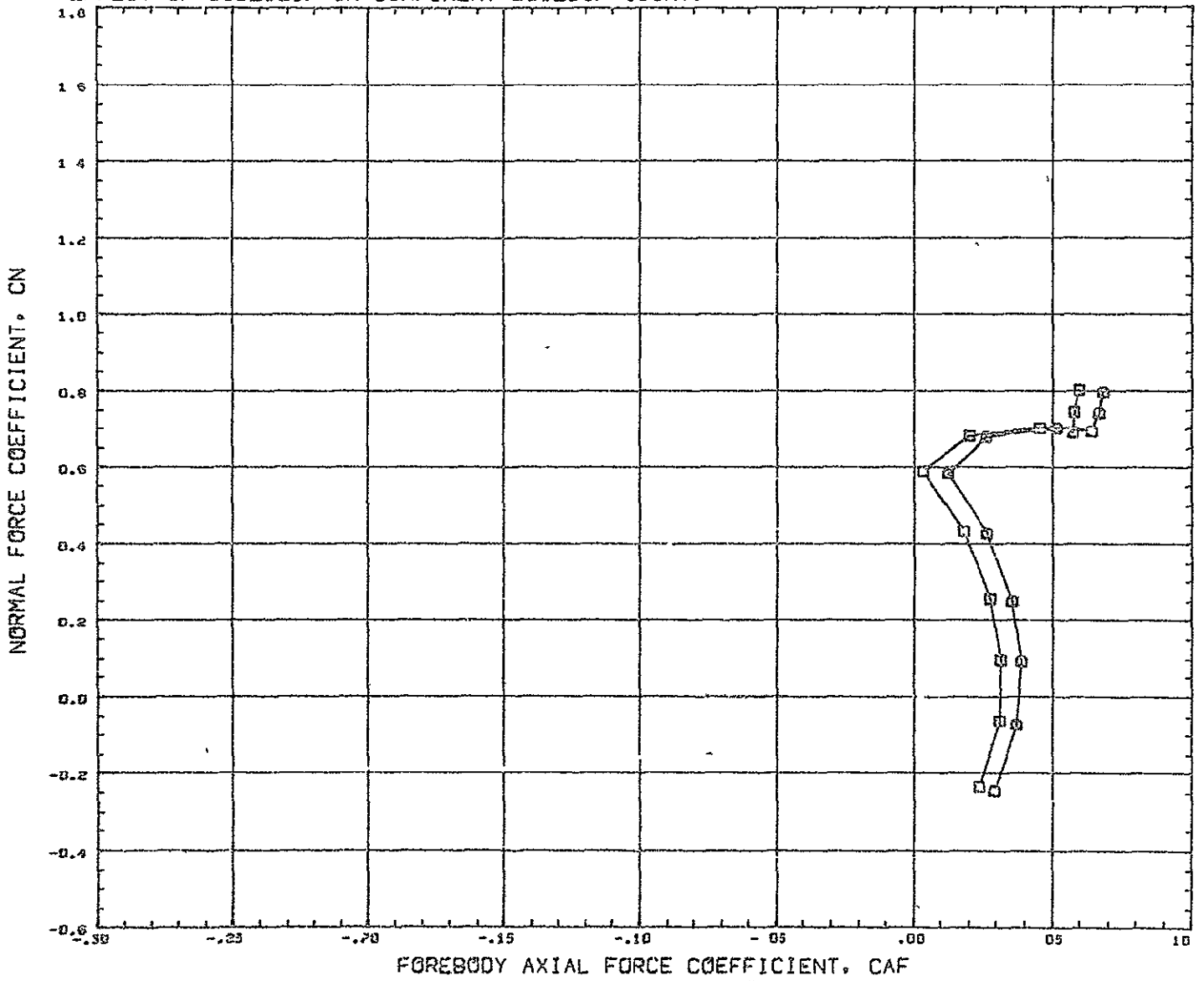


SYMBOL	BETA	PARAMETRIC VALUES
○	0.000	AACH 0.259 HOR 0.000
□	5.000	

REFERENCE INFORMATION		
PEFS	0 1790	SQ F1
PEFL	15 7370	INCHES
PEFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

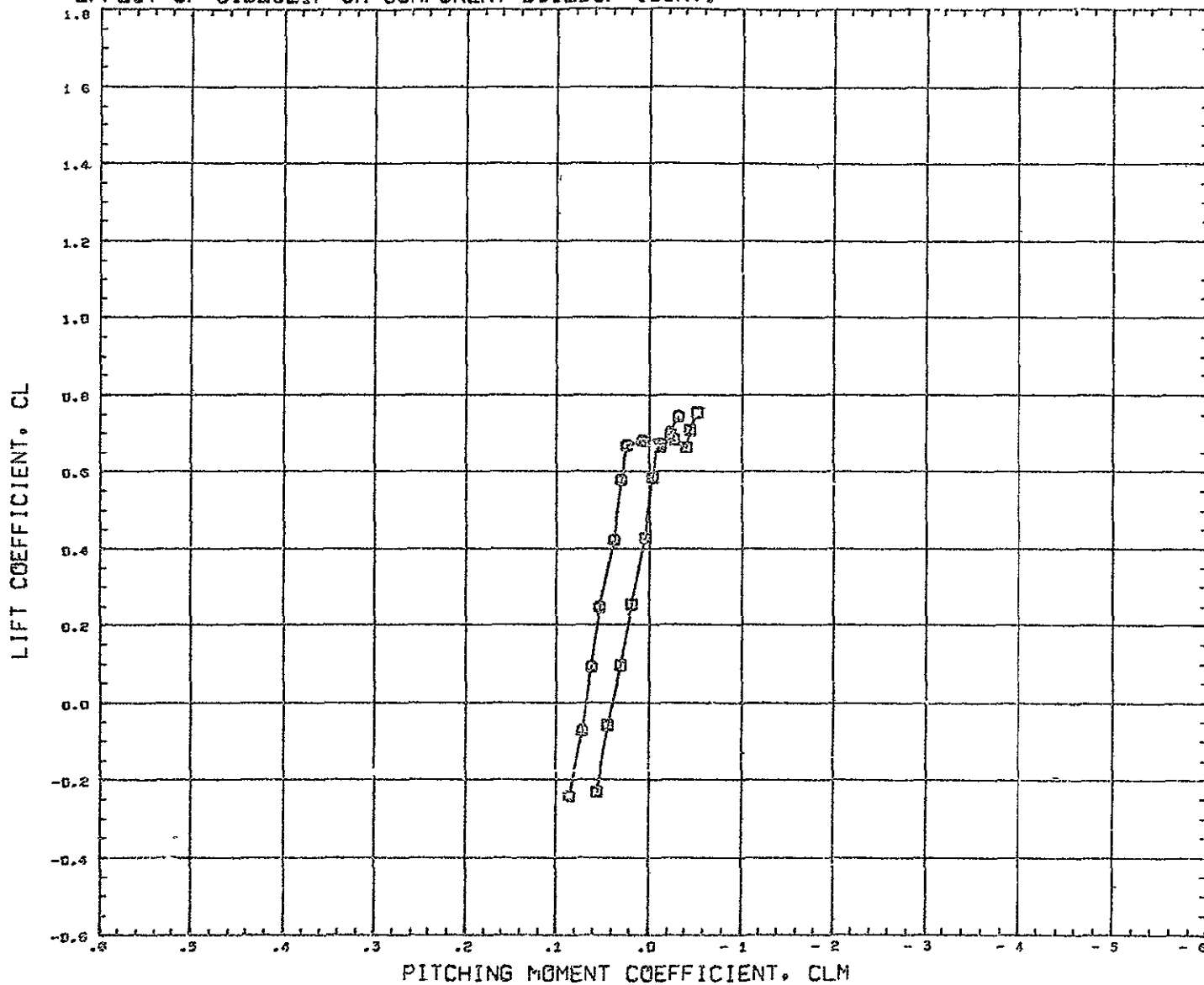


SYMBOL	BETA	PARAMETRIC VALUES			
□	0.000	MACH	0.259	HCR	U.000
○	5.000				

REFERENCE INFORMATION		
PEFS	0.1790	SQ. FT.
REFL	15.7370	INCHES
PEFB	11.3390	INCHES
XMRP	0.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE PAAL 632 YA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)

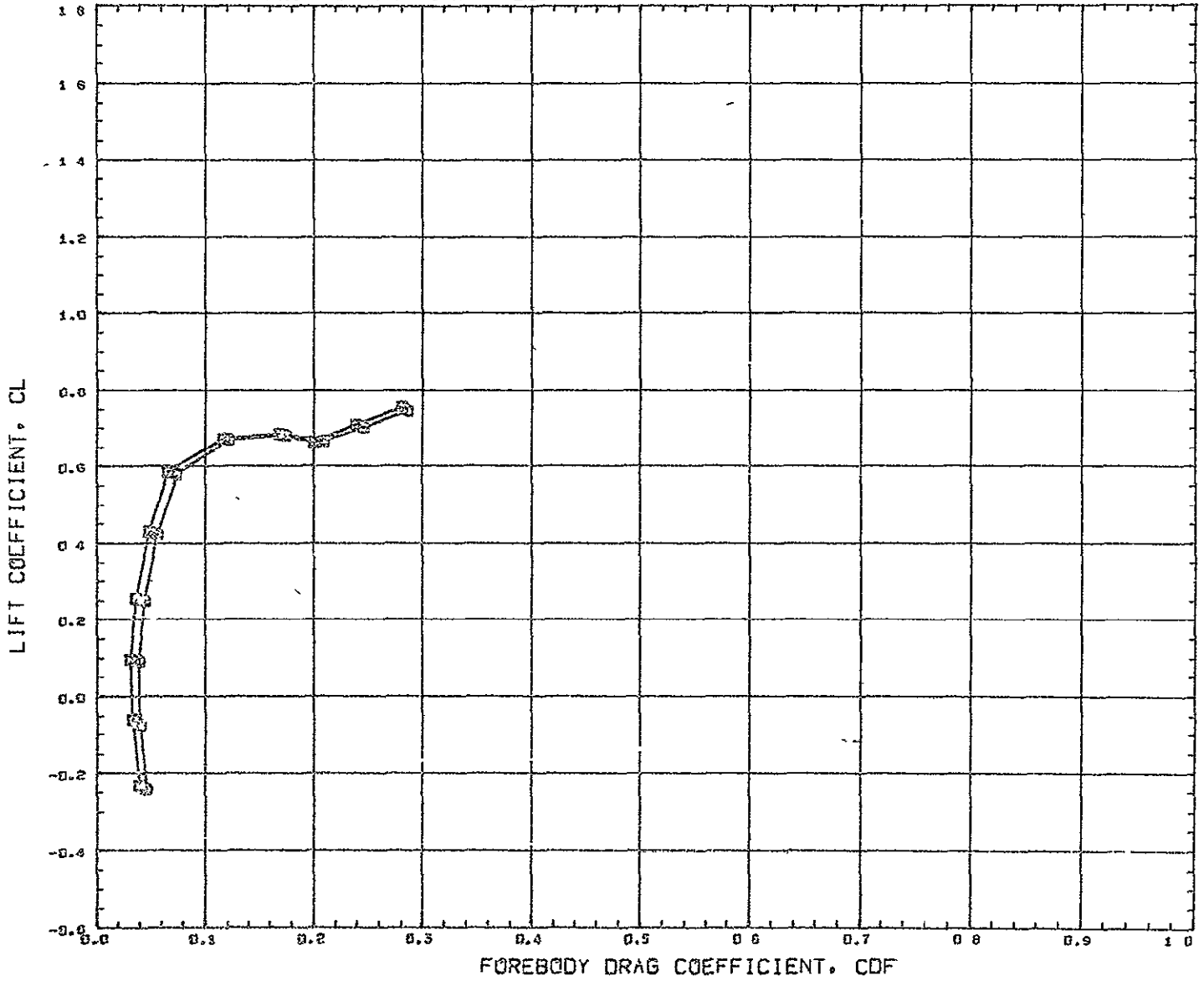


SYMBOL BETA PARAMETRIC VALUES
 ○ 0.000 MACH 0.259 HOR 0.000
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF SIDESLIP ON COMPONENT BUILDUP (CONT)



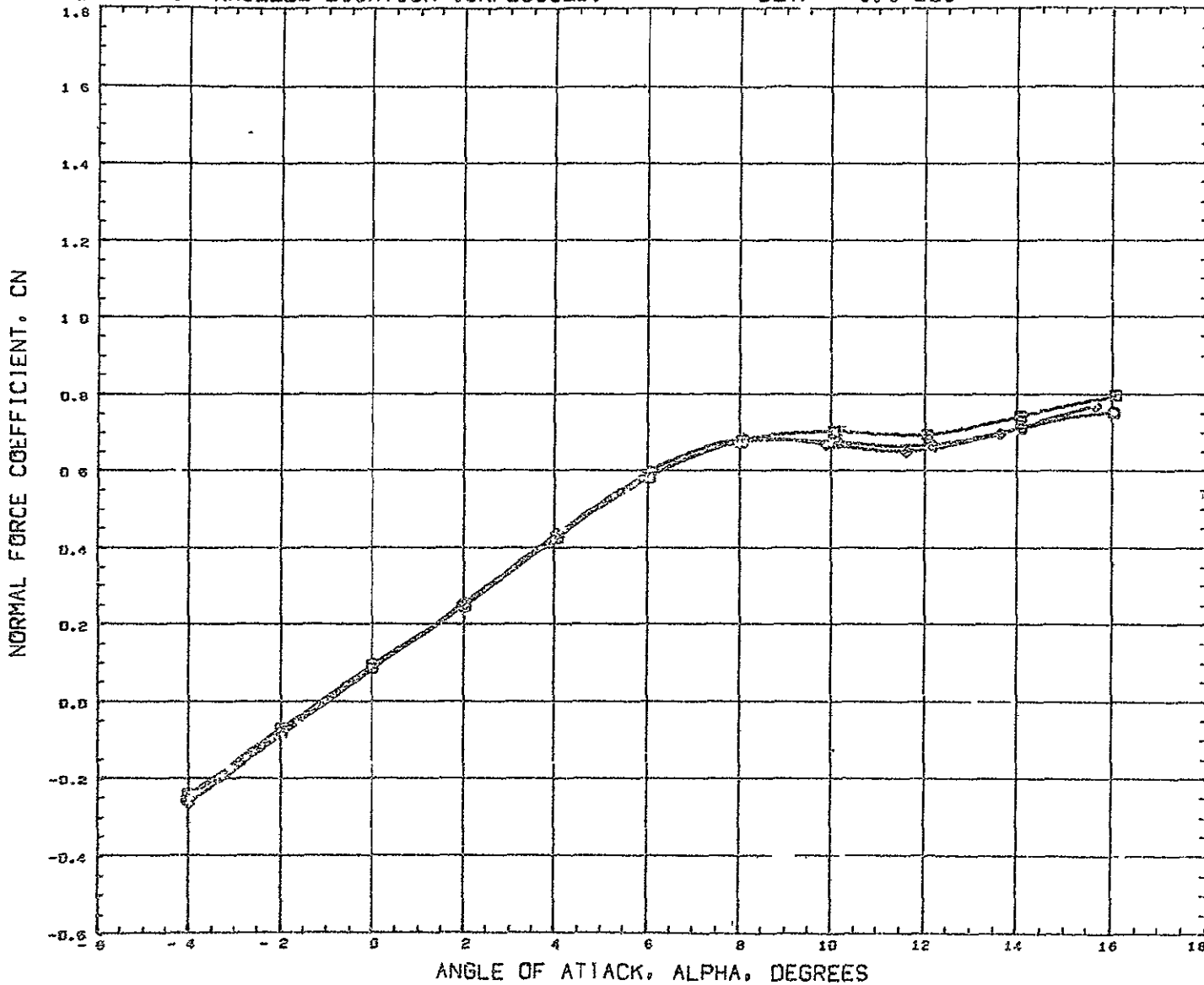
SYMBOL BETA PARANETIC VALUES
 ○ 0.000 0.259 HOR 0.000
 □ 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRF 9 8400 INCHES
 YHRF 0.0000 INCHES
 ZHRF 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

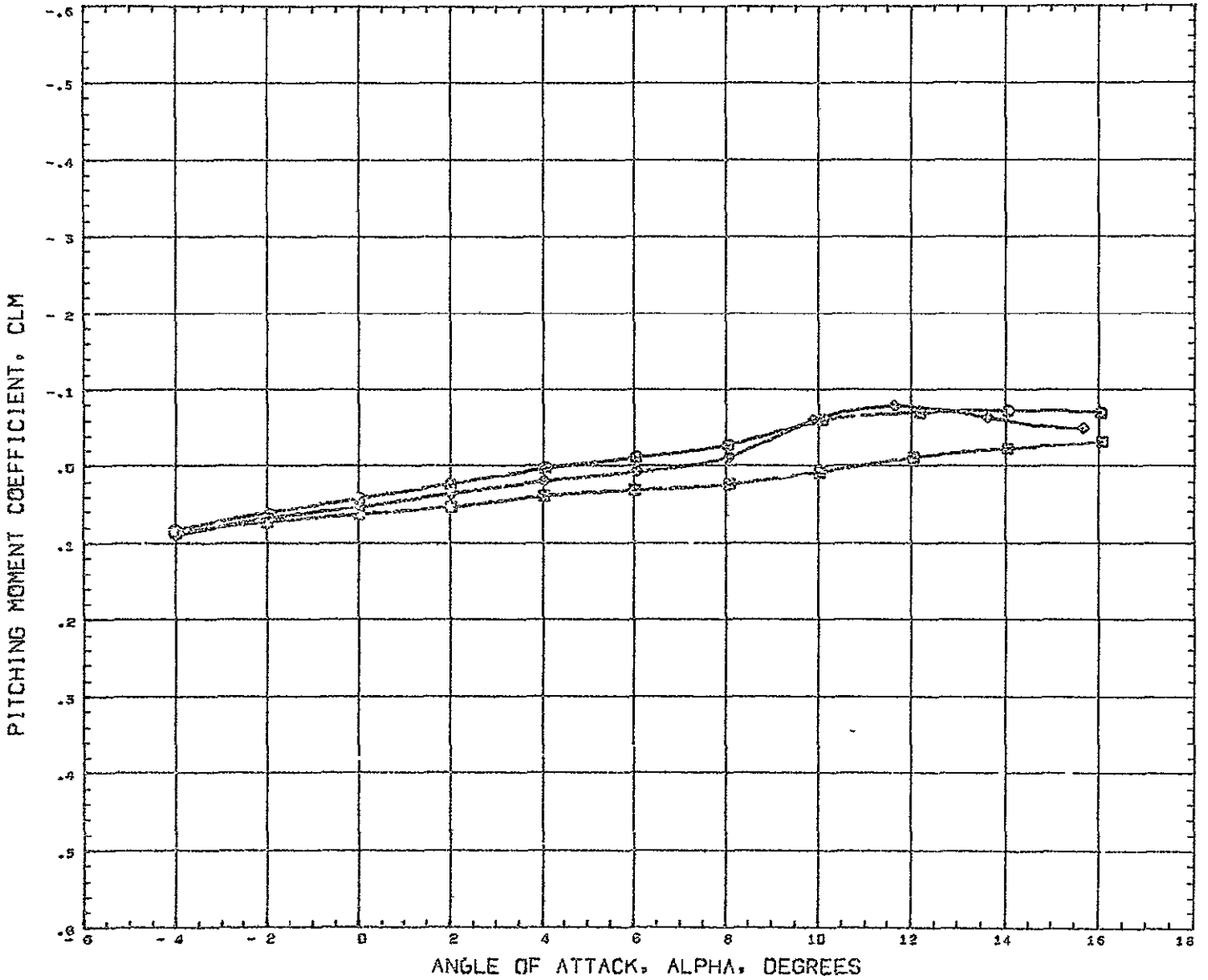


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6020)	□ NAAL 632 SSV-STR WING FORCE-MAC 86 N W10 H12 V5	BETA 0 000	REFS 0 1796 SQ FT
(RC6006)	○ NAAL 632 SSV-STR WING FORCE-MAC 86 N2 W10 H12 V5		REFL 15 7370 INCHES
(RC6061)	◇ NAAL 632 SSV-STR WING FORCE-MAC 86 N3 W10 H12 V5		REFB 11 3390 INCHES
			ANRP 9 8400 INCHES
			YHRF 0 0050 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0075 SCALE

NACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG



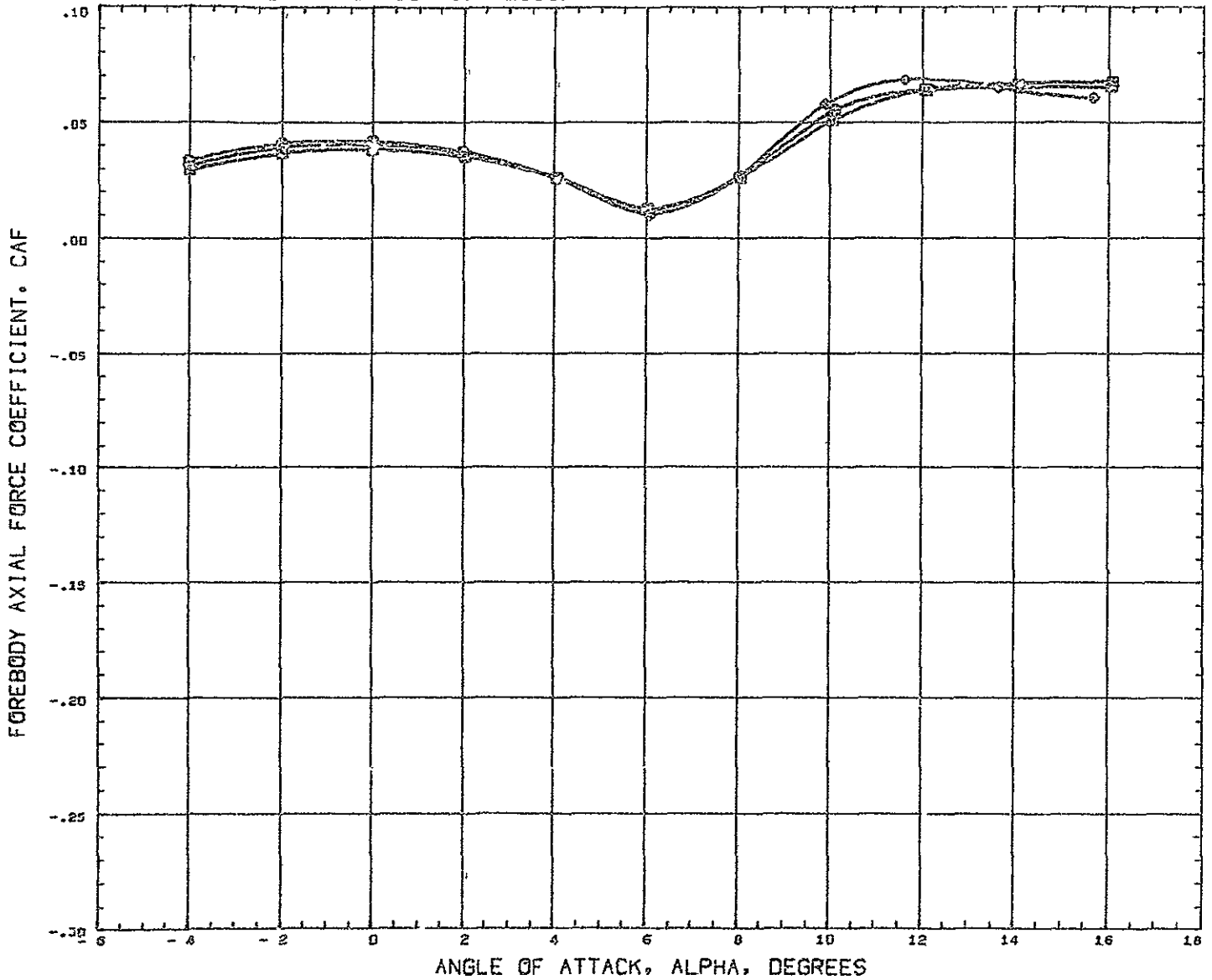
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6025)	NAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 H12 V5	BETA 0.000	REFS 0 1790 SQ FT
(RC6006)	NAAL 032 SSV-STR WING FORCE-NAC 86 N2 W10 H12 V5		REFL 15 7370 INCHES
(PC6001)	NAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259



EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

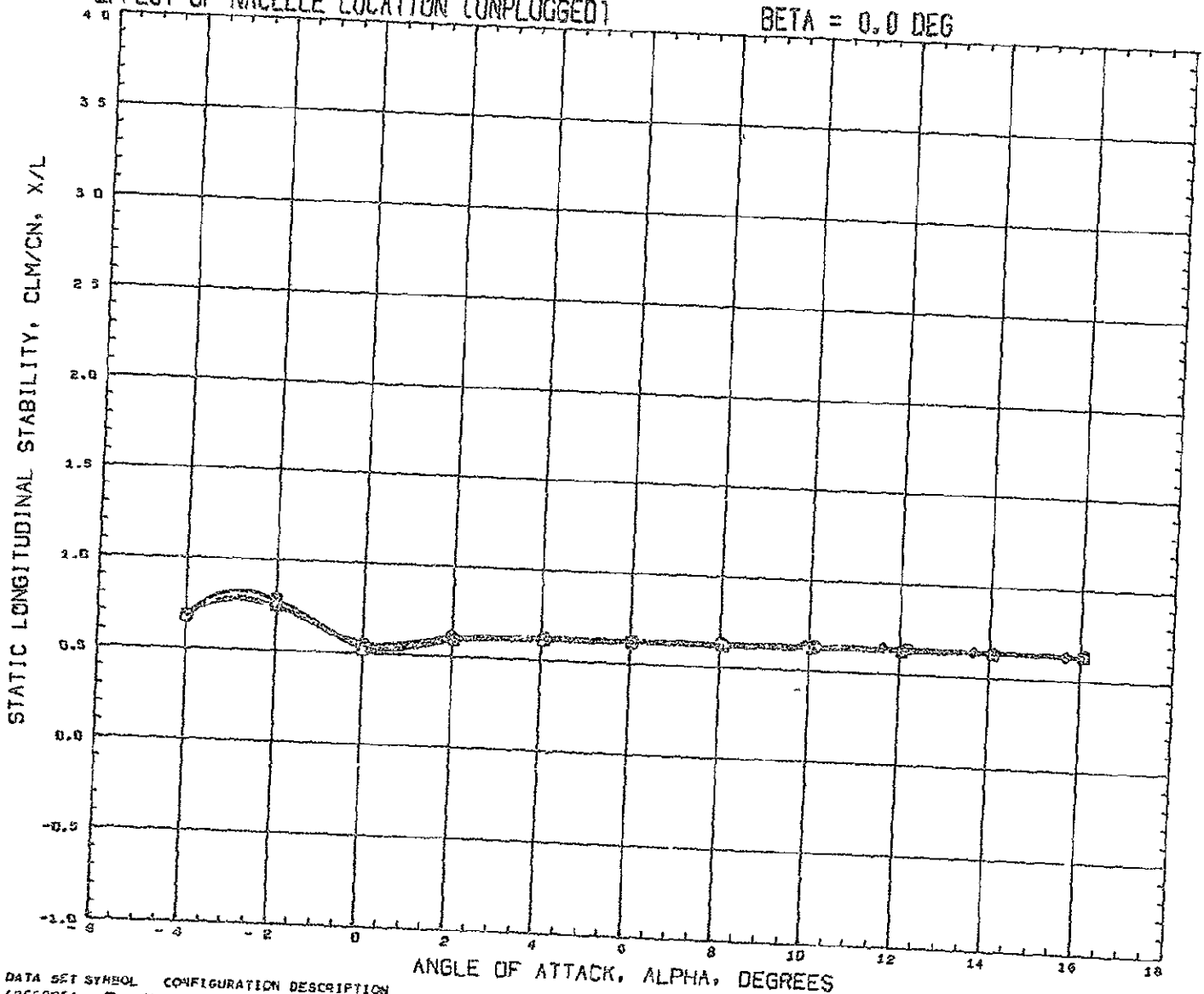


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0020)	NAAL 632 SSV-STP WING FORCE-NAC B6 N1 WIG H12 V5	BETA 0 000	REFS 0 1790 SQ FT
(RC0006)	NAAL 632 SSV-STP WING FORCE-NAC B6 N2 WIG H12 V5		REFL 15 7370 INCHFS
(RC0051)	NAAL 632 SSV-SIR WING FORCE-NAC B6 N4 WIG H12 V5		REFB 11 3110 INCHES
			XNRP 9 3400 INCHES
			Y4PP 0 0000 INCHFS
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH D 259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RC6025) □ NAAL 632 SSV-STR WING FORCE-NAC 86 N W10 W12 V5
 (RC6005) □ NAAL 632 SSV-STR WING FORCE-NAC 85 N2 W10 W12 V5
 (RC6005) ◊ NAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 W12 V5

PARAMETRIC VALUES
 BETA 0.000

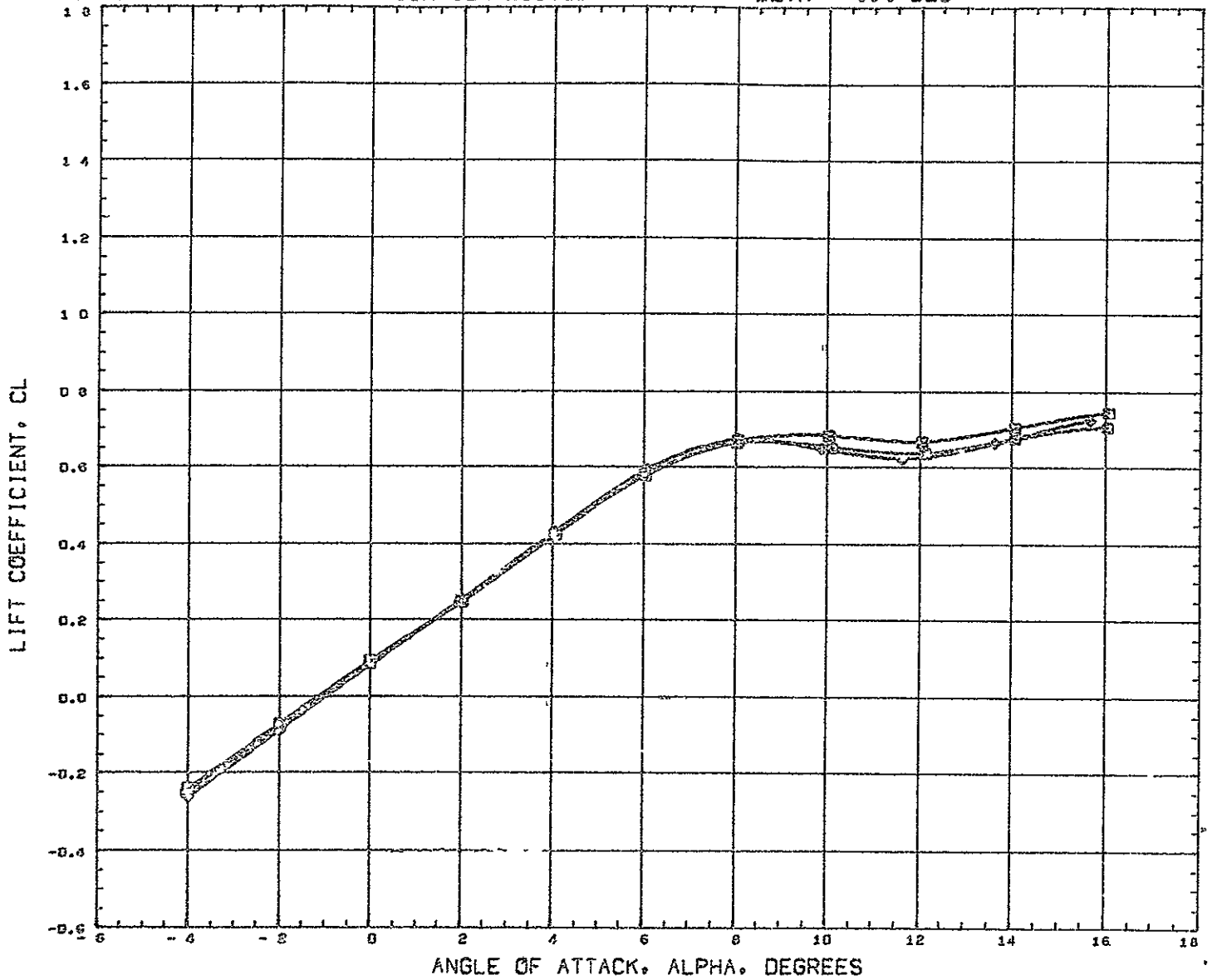
REFERENCE INFORMATION

REFS	0	1790	60 FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YMRP	0	0000	INCHES
ZMRP	0	3840	INCHES
SCALE	0	0076	SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG



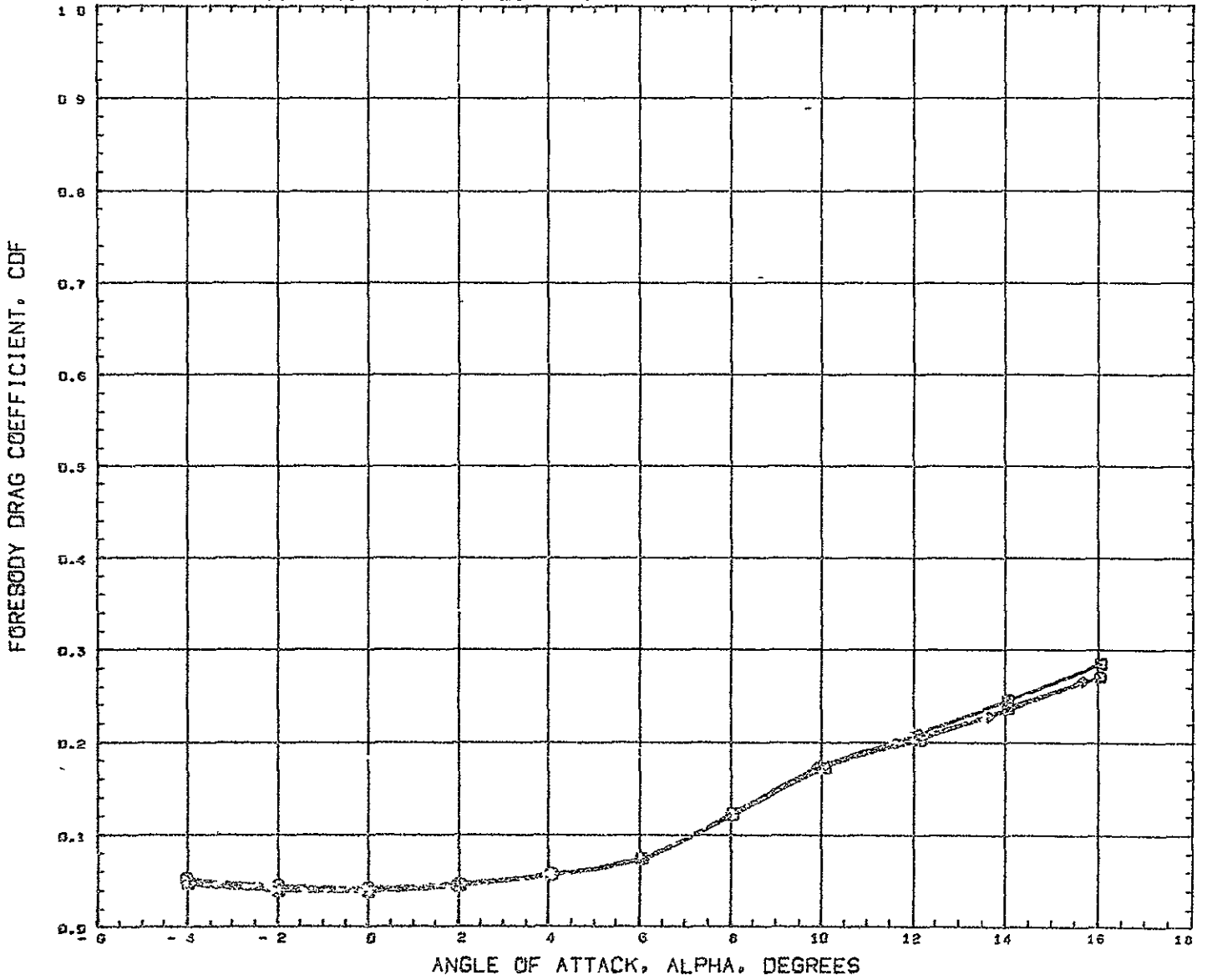
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG026)	○ NAAL 632 SSV-STR WING FORCE-NAC 86 4 410 N12 V5	BETA 0 000	PEFS 0 1796 SQ FT
(RCG008)	□ NAAL 632 SSV-STR WING FORCE-NAC 86 N2 W10 H12 V5		REFL 15 7370 INCHES
(RCG061)	◇ NAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 H12 V5		REFB 11 3390 INCHES
			XNRF 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

15-522

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

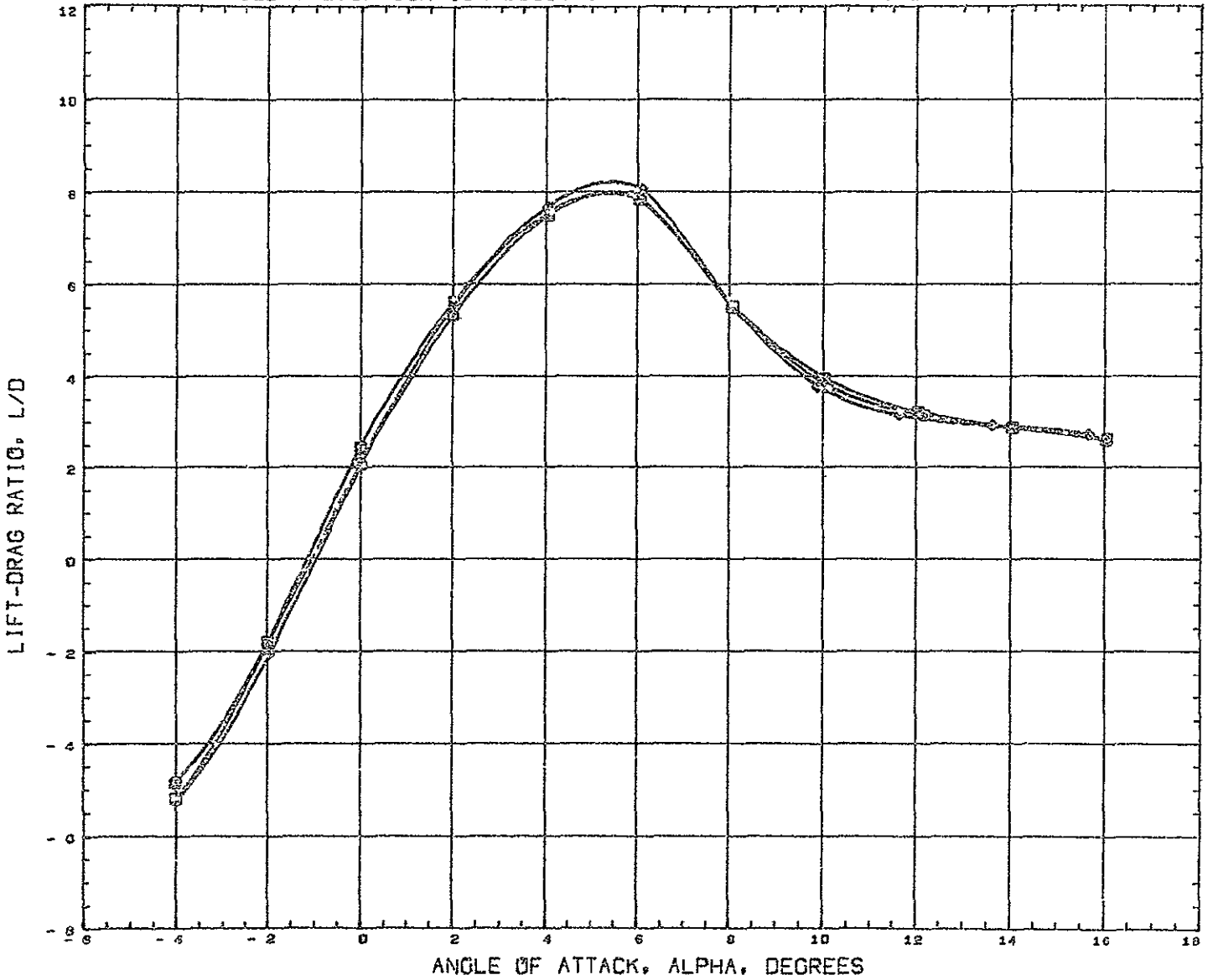


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(7C0028)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12 V5	BETA 0.000	REFS 0 1790 SQ FT
(7C0030)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 WID H12 V5		REFL 15 7370 INCHES
(7C0031)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

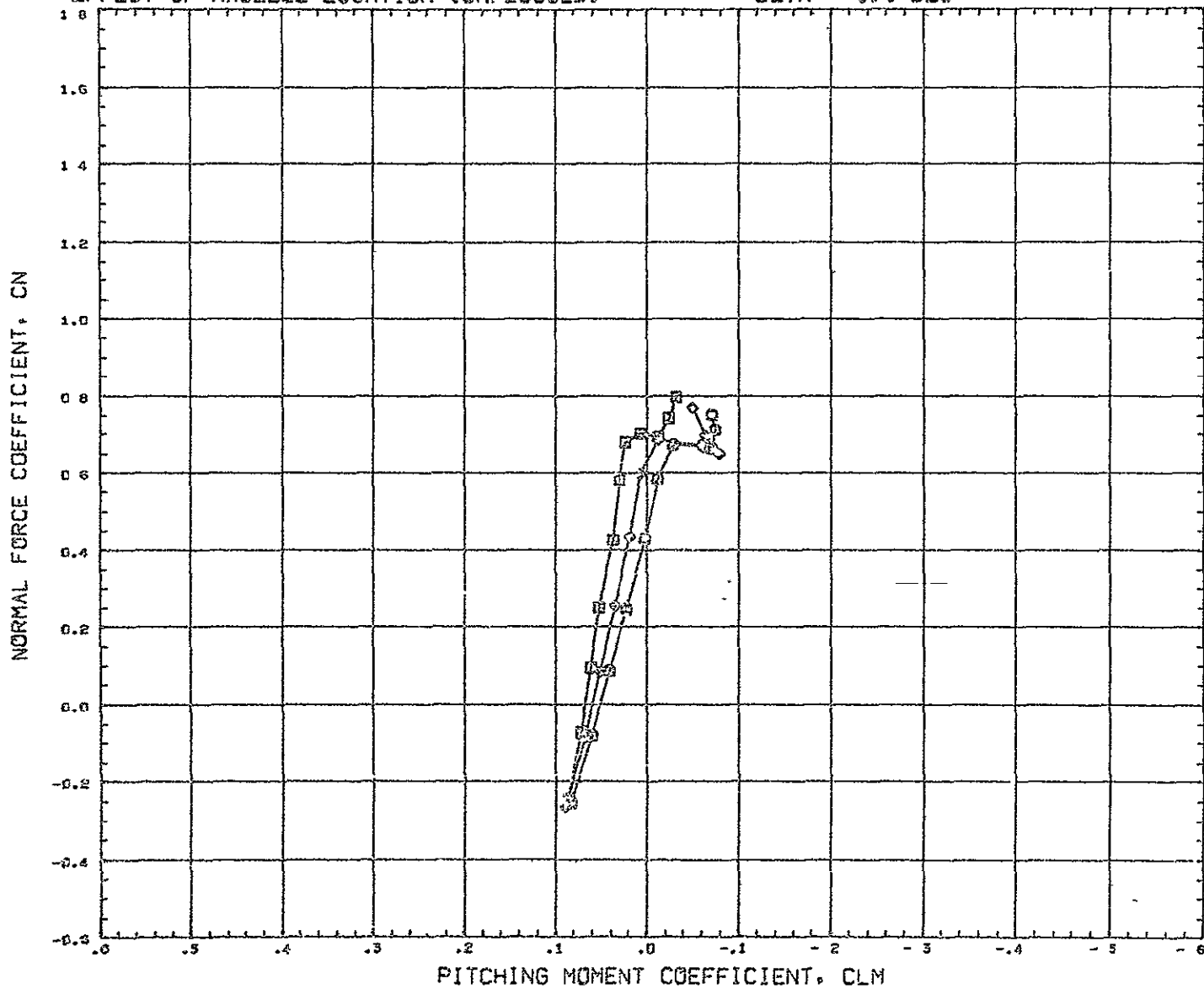


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0020)	HAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	BETA 0 000	REFS 0 1790 SQ.FT
(PC0006)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		REFL 15 7570 INCHES
(RC0061)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

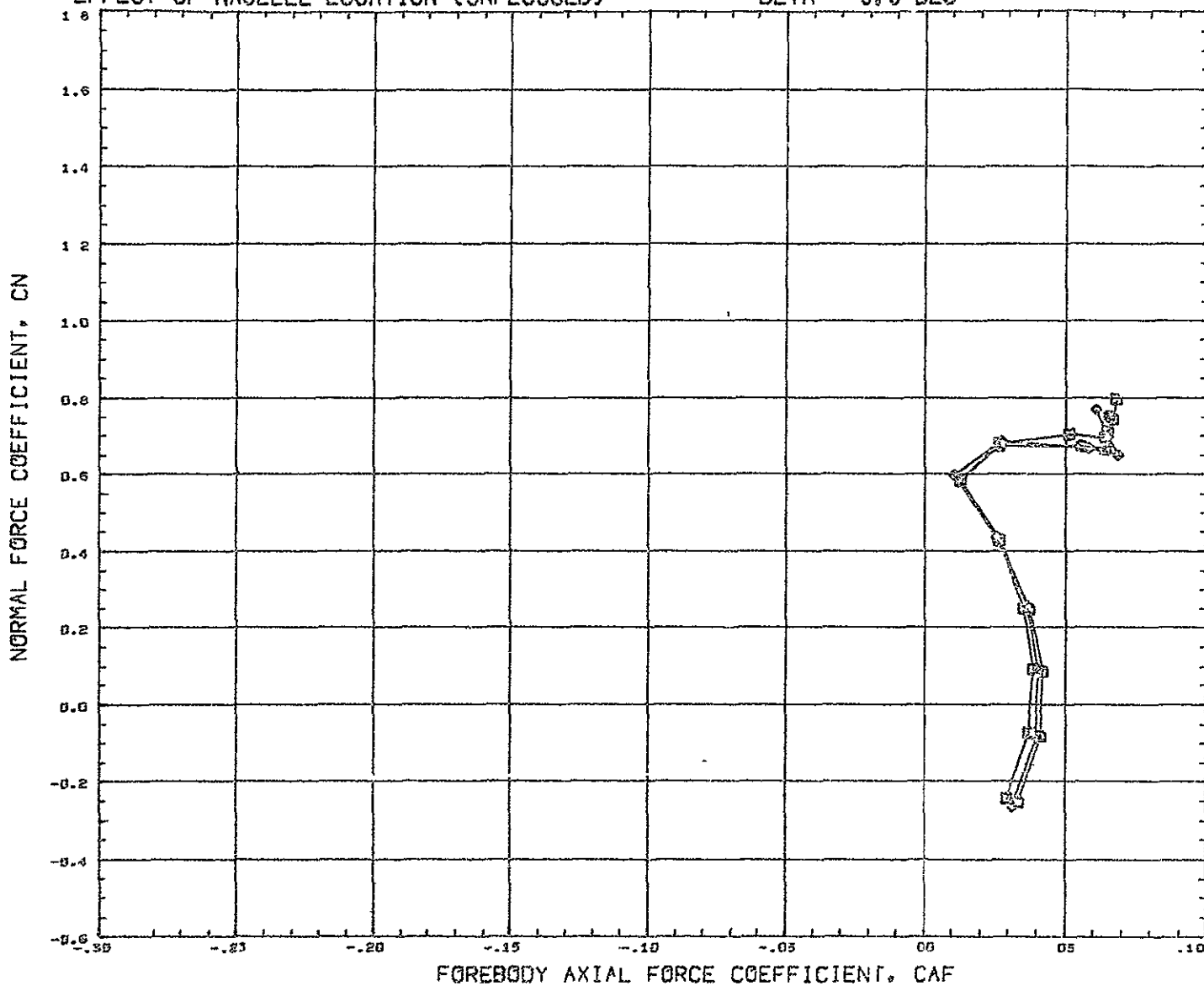


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC020)	NAAL 032 SSV-514 WING FORCE-NAC B6 N W10 H12 V3	BETA 0 000	REFS 0 1790 SQ FT
(RCC006)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V3		REFL 15 7370 INCHES
(RCC051)	NAAL 032 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V3		REFB 11 3390 INCHES
			XVPP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP - 0 1840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

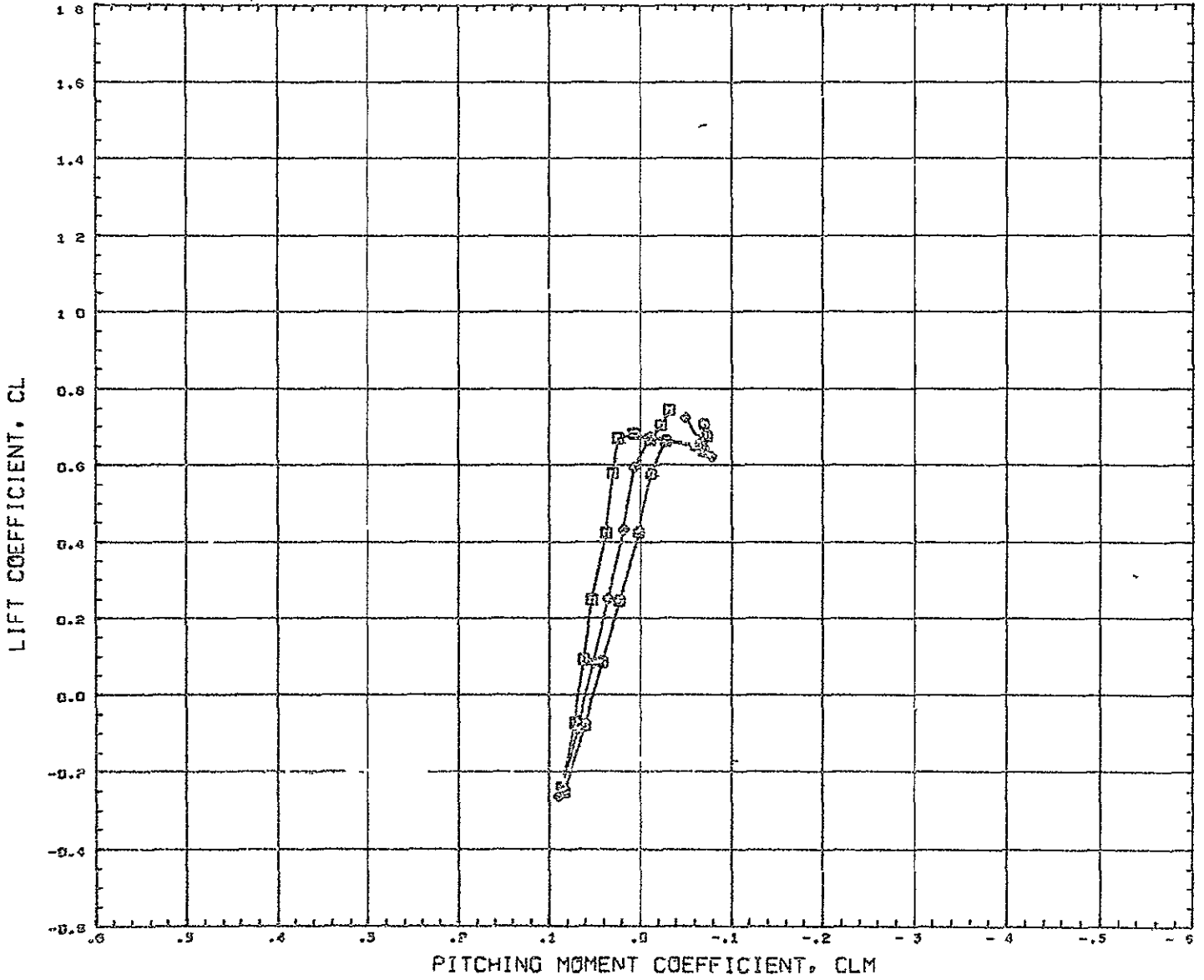


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG026)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	BETA 0.000	RE-S 0 1790 SQ FT
(RCG006)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		REPL 15 7370 INCHES
(RCG081)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		PEFB 11 3390 INCHES
			XREF 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACA 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

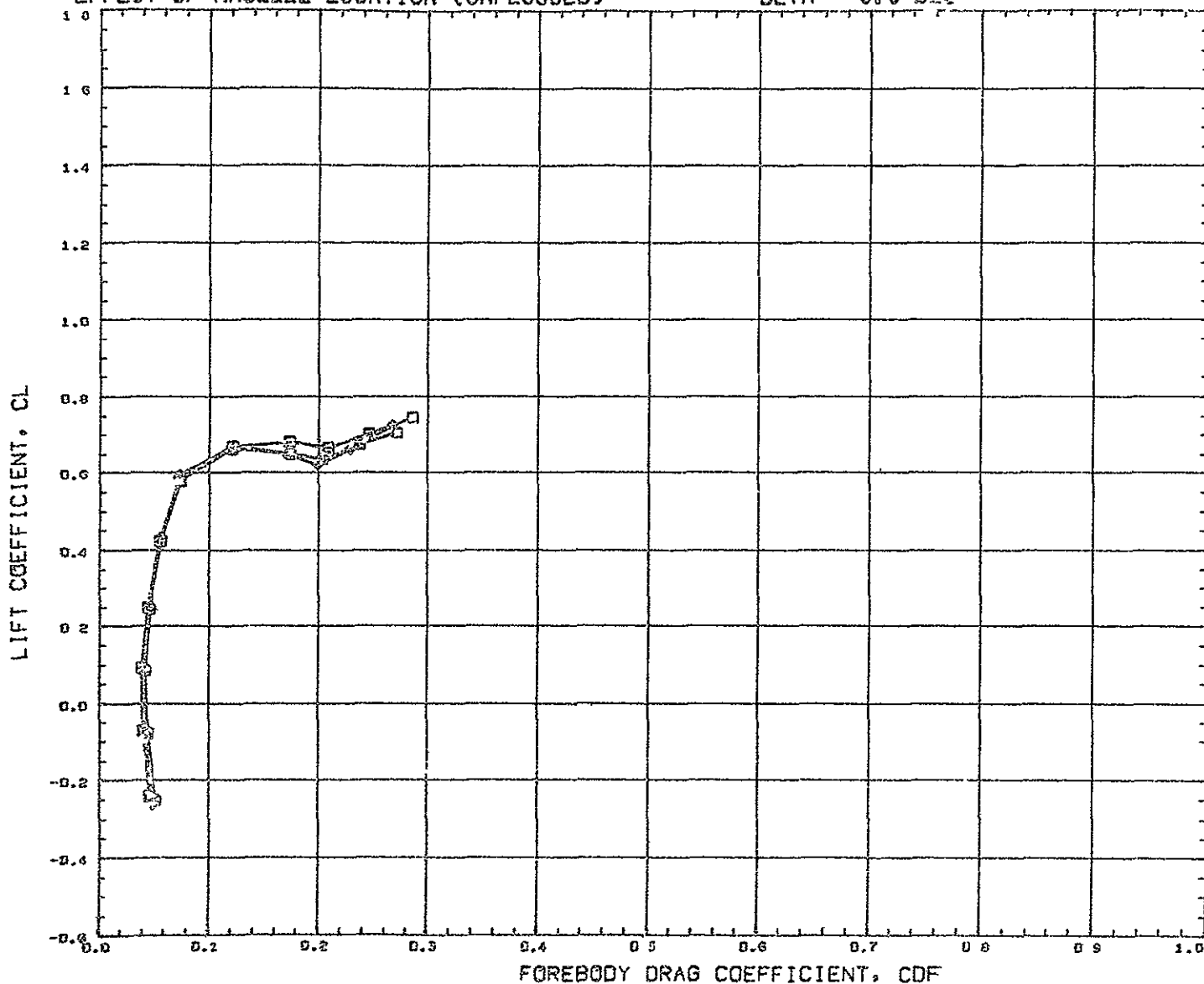


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6025)	HAAL 632 SSV-STR WING FORCE-MAC B6 M W10 H12 V5	BFT	REFS 0 1790 SQ FT
(RC6003)	HAAL 632 SSV-STR WING FORCE-MAC B6 M2 W10 H12 V5	B 000	REFL 15 7370 INCHES
(RC6081)	HAAL 632 SSV-STR WING FORCE-MAC B6 N4 W10 H12 V5		REFD 11 3390 INCHES
			XNPF 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZNRF 0 3940 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 0.0 DEG

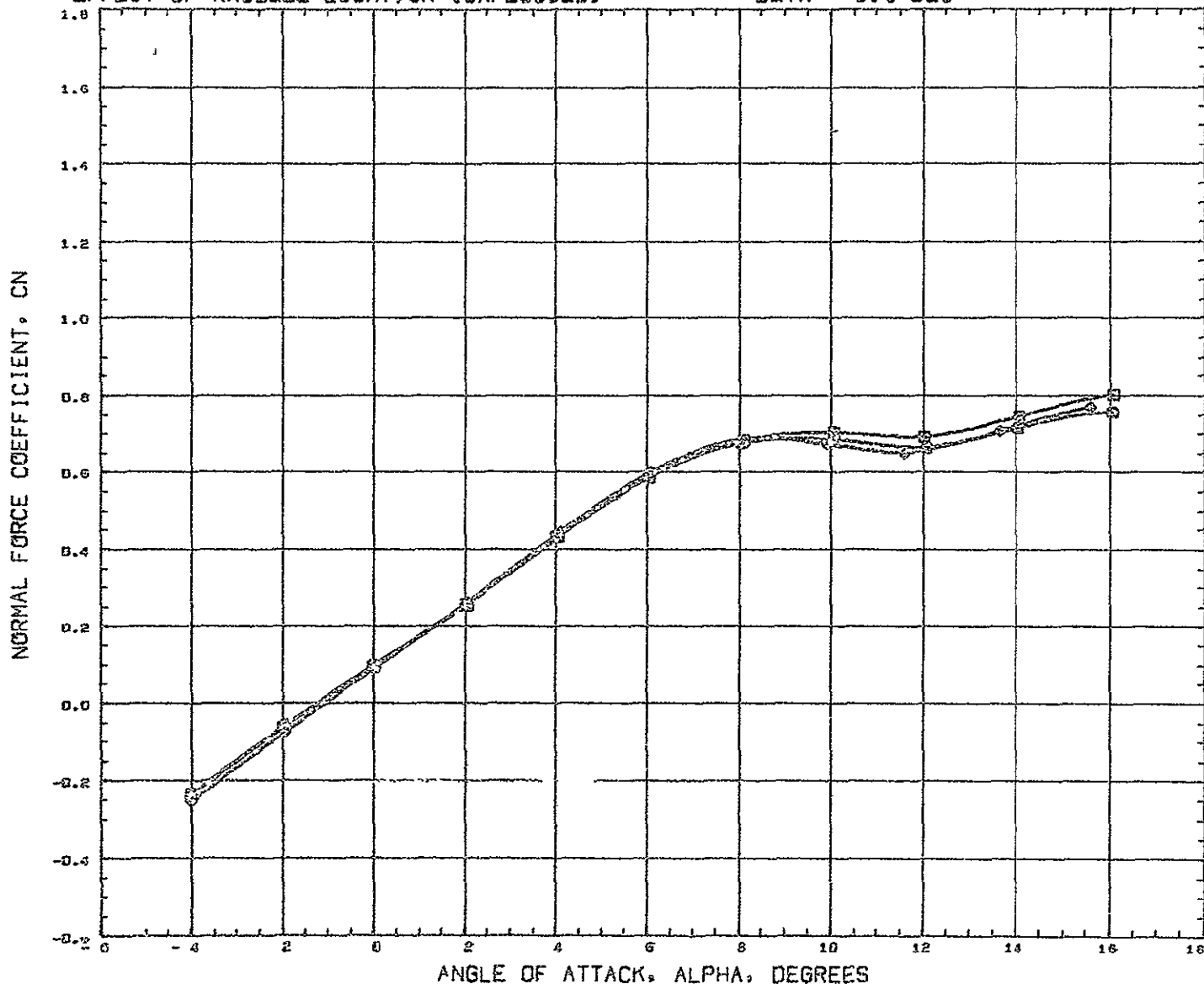


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG025)	NAAL 532 SSV-STR WING FORCE-NAC B6 N1 W13 H12 V5	BETA 0 000	PEFS 0 1790 98 FT
(RCG008)	NAAL 632 S57-STR WING FORCE-NAC B5 N2 W10 H12 V5		REFL 15 7370 INCHES
(RCG061)	NAAL 632 SSV-STR WING FORCE-NAC B6 N1 W10 H12 V5		REFB 11 3390 INCHES
			XNPF 9 8400 INCHES
			YNRF 0 0000 INCHES
			ZNPF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

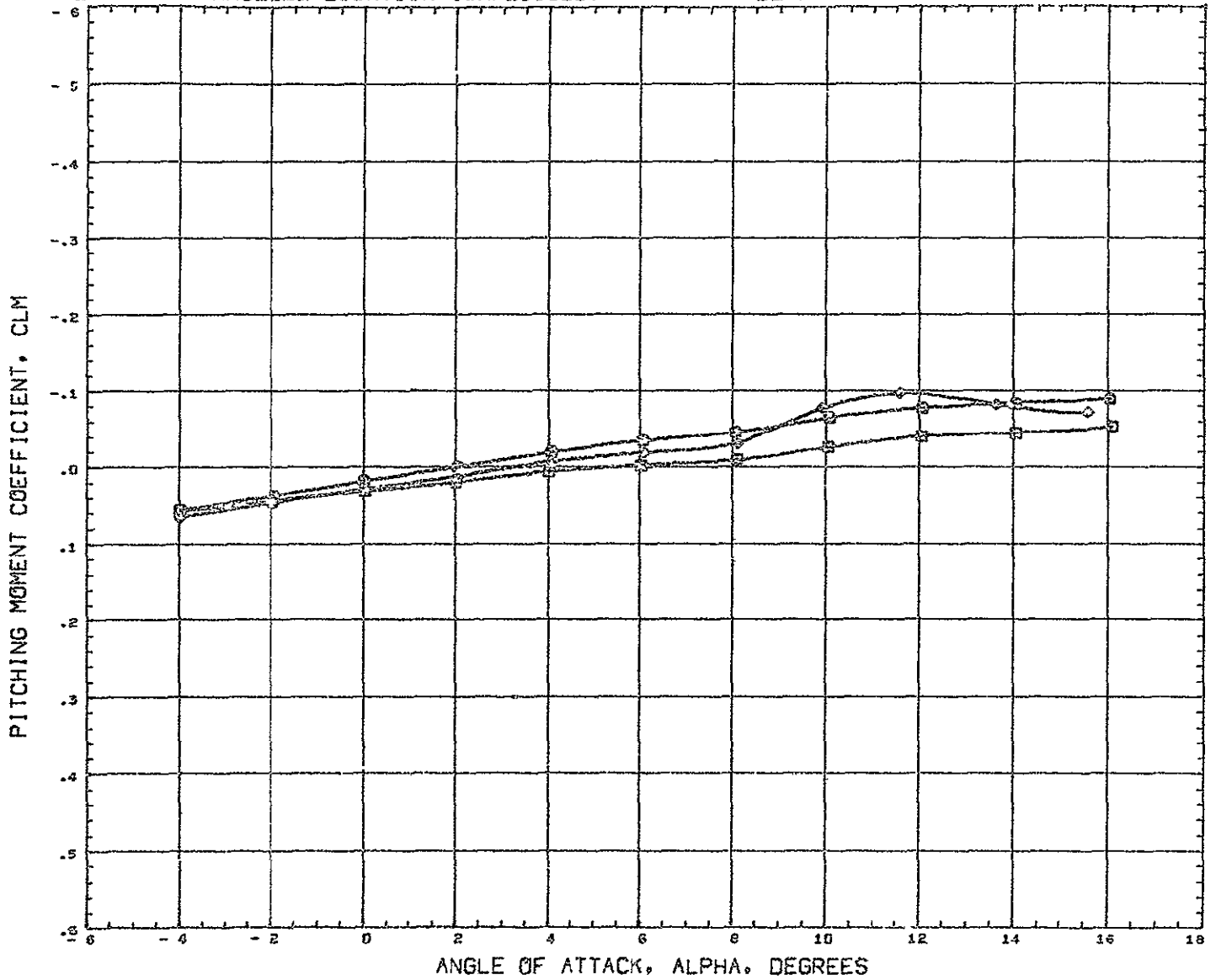


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6027)	HAAL 632 SSV-STR WING FORCE-NAC BS 4 WID H12 V5	BETA 5.000	REFS 0 1730 50 FT
(RC6007)	HAAL 632 SSV-STR WING FORCE-NAC BS H2 WID H12 V5		REFL 15 7370 INCHES
(RC6062)	HAAL 632 SSV-STR WING FORCE-NAC BS H4 WID H12 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3640 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

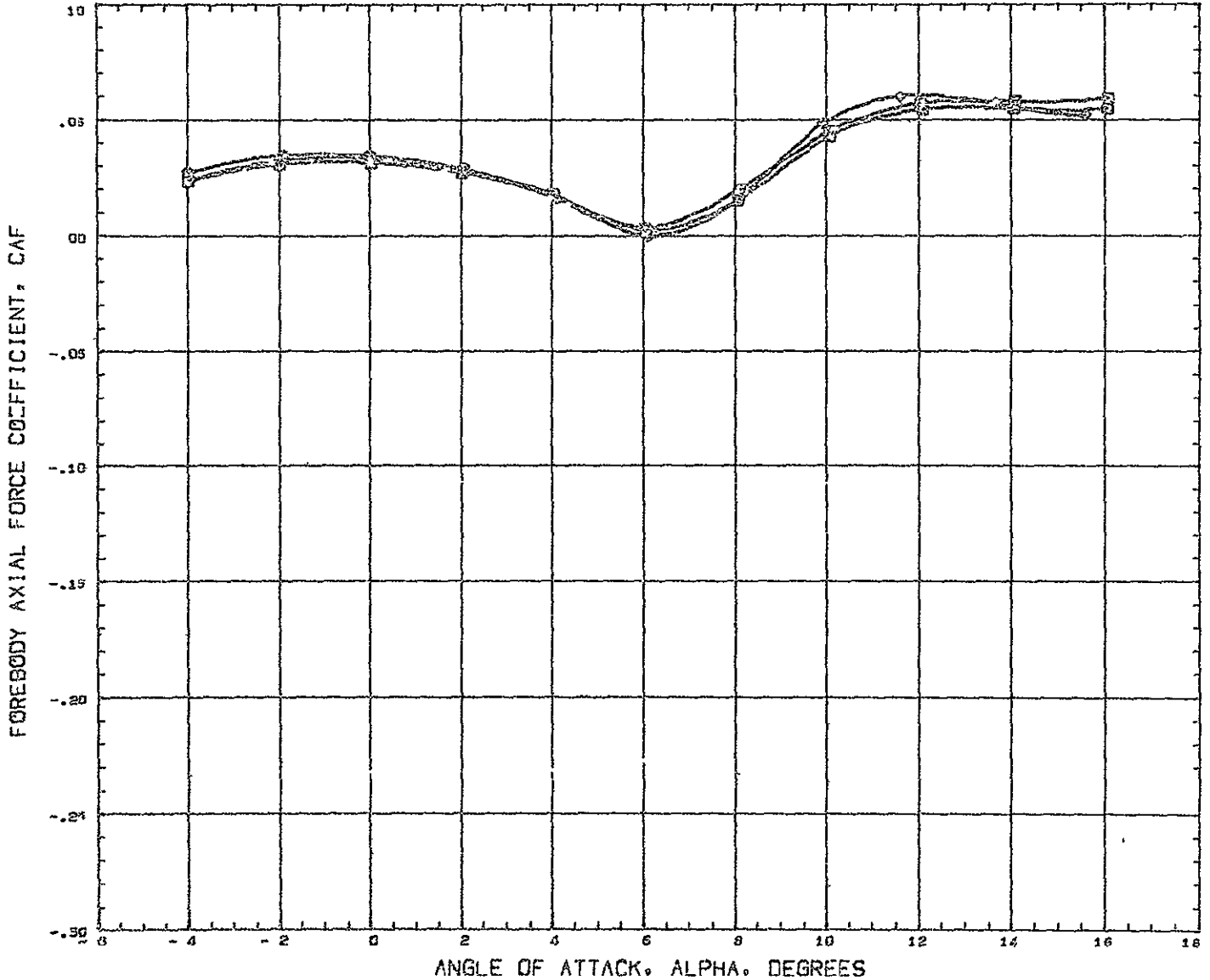


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6027)	MAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RC6007)	MAAL 632 SSV-STR WING FORCE-NAC B6 NZ W10 H12 V5		REFL 15 7370 INCHES
(RC6032)	MAAL 632 SSV-STR WING FORCE-NAC B6 N1 W10 H12 V5		REFB 11 3390 INCHES
			YMPP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP - 0 38.0 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

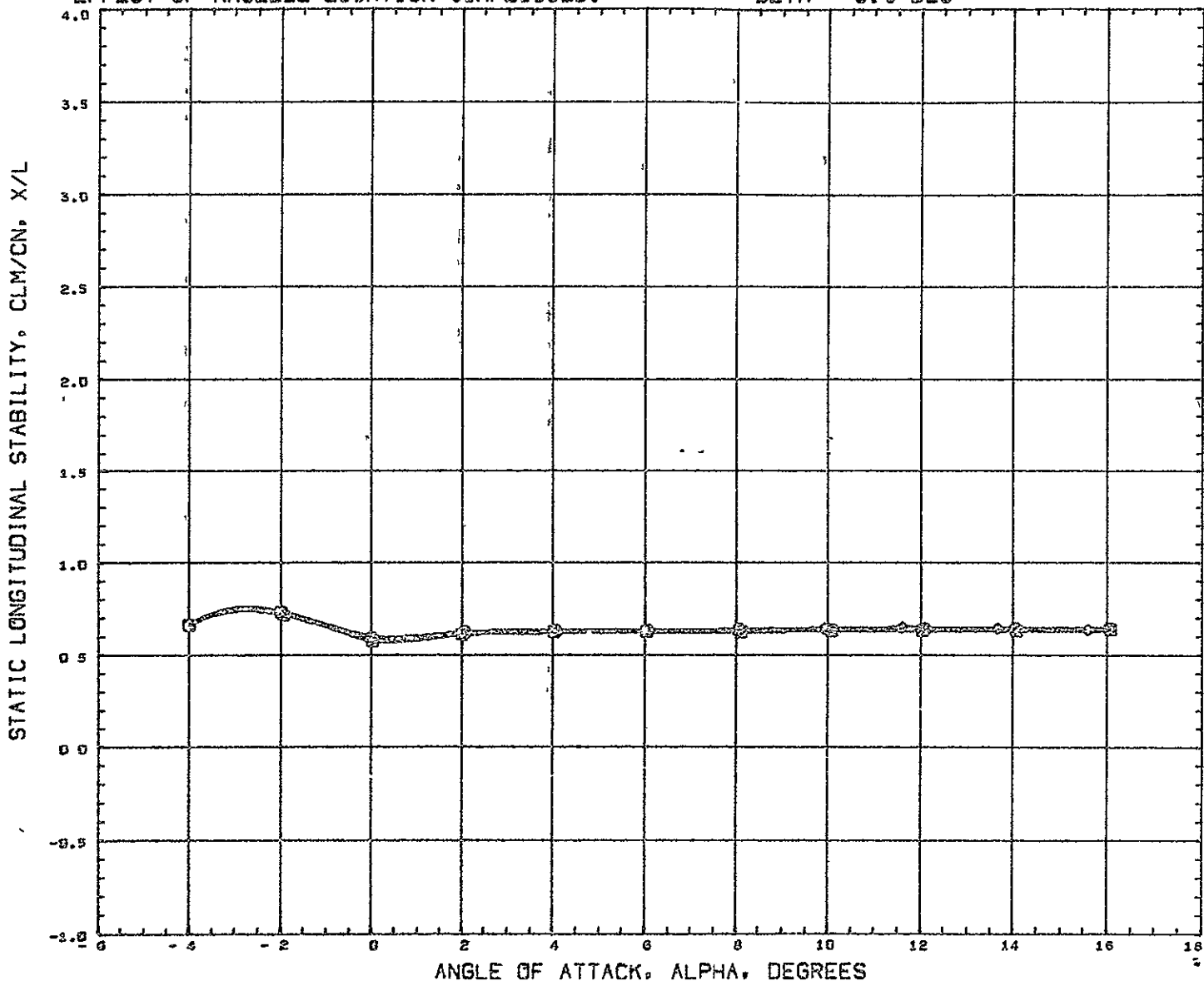


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PAPAMETRIC VALUES	REFERENCE INFORMATION
(RC6027)	MAAL 032 SSV-STR WING FORCE-HAC B6 N W-0 H12 V3	BETA 5 000	REPS 0 1790 SQ FT
(RC6007)	MAAL 032 SSV-STR WING FORCE-HAC B6 HZ W10 H12 V3		REFL 15 7370 INCHES
(RC6002)	MAAL 032 SSV-STR WING FORCE-HAC B6 H4 W10 H12 V3		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 299

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

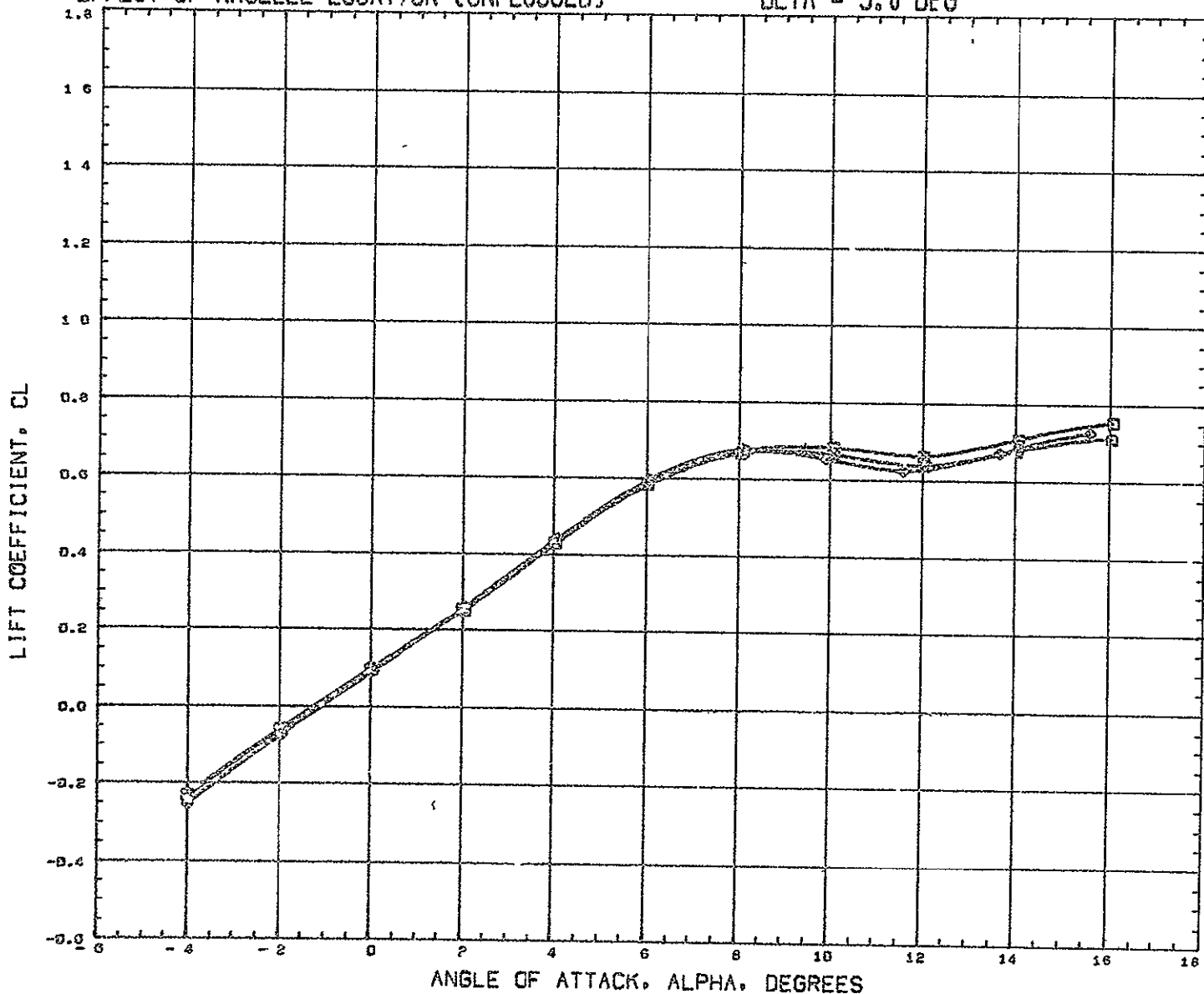


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0027)	NAAL 632 SSV-STR WING FORCE-NAC B5 H WIG H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RC0007)	NAAL 632 SSV-STR WING FORCE-NAC B5 H2 W10 H12 V5		REFL 15.7570 INCHES
(RC0062)	NAAL 032 SSV-STR WING FORCE-NAC B6 H4 W10 H12 V5		REFB 11 5390 INCHES
			XHRF 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.239

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RC6027) ○ NAAL G32 SSV-STP WING FORCE-NAC B6 H W10 H12 V5

(RC6007) □ NAAL G32 SSV-STP WING FORCE-NAC B6 H2 W10 H12 V5

(RC6082) ◇ NAAL C32 SSV-STP WING FORCE-NAC B6 H4 W10 H12 V5

PARAMETRIC VALUES

BETA 5.000

REFERENCE INFORMATION

REFS 0 1790 SQ FT

REFL 15.7370 INCHES

REFB 11 3390 INCHES

XHRP 9 8400 INCHES

YNRP 0.0000 INCHES

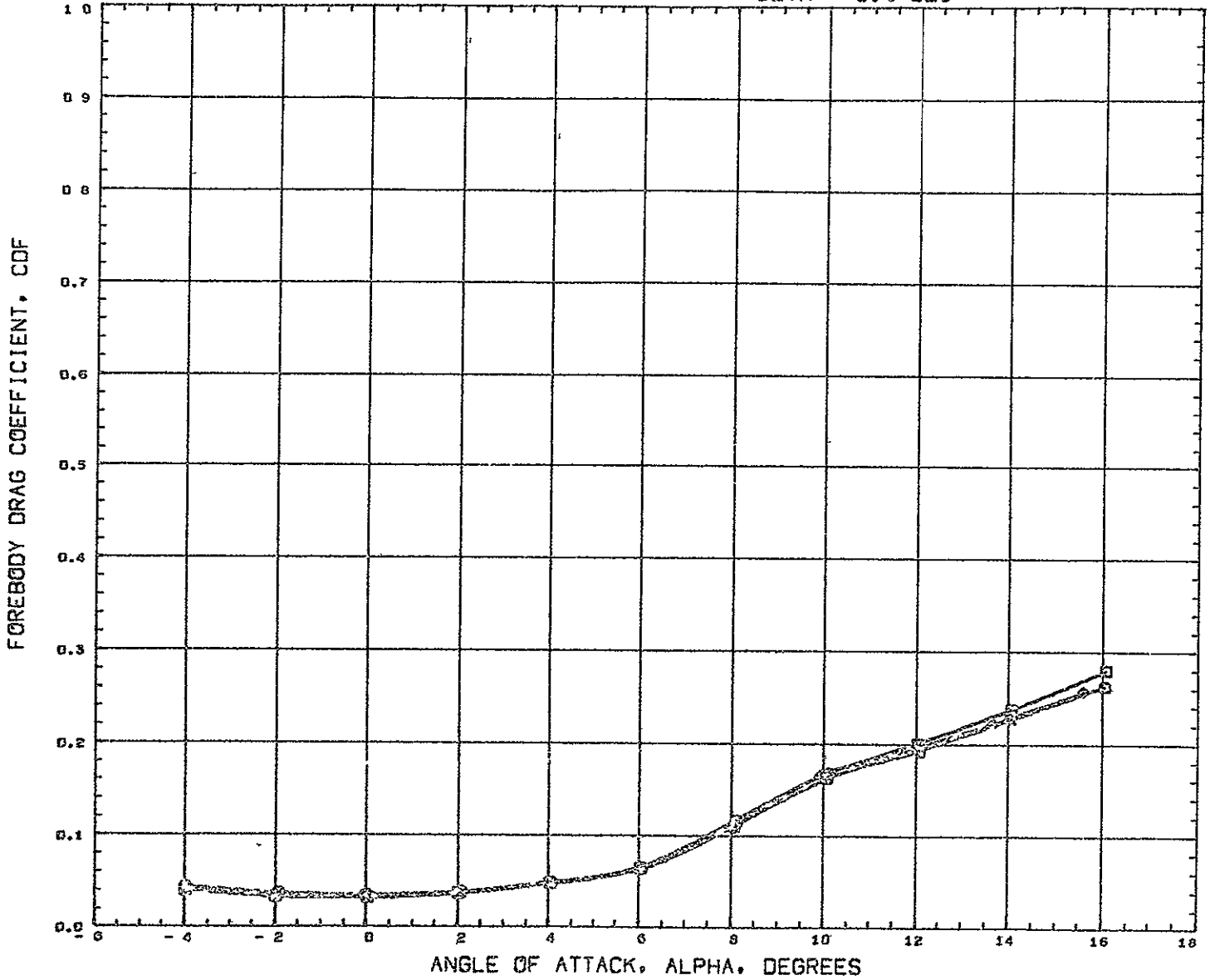
ZNRP 0 3840 INCHES

SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RC6027) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N1 W10 H12 V5 BETA

(RC6007) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5

(RC6062) ◊ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5

PARAMETRIC VALUES

BETA 5.000

REFERENCE INFORMATION

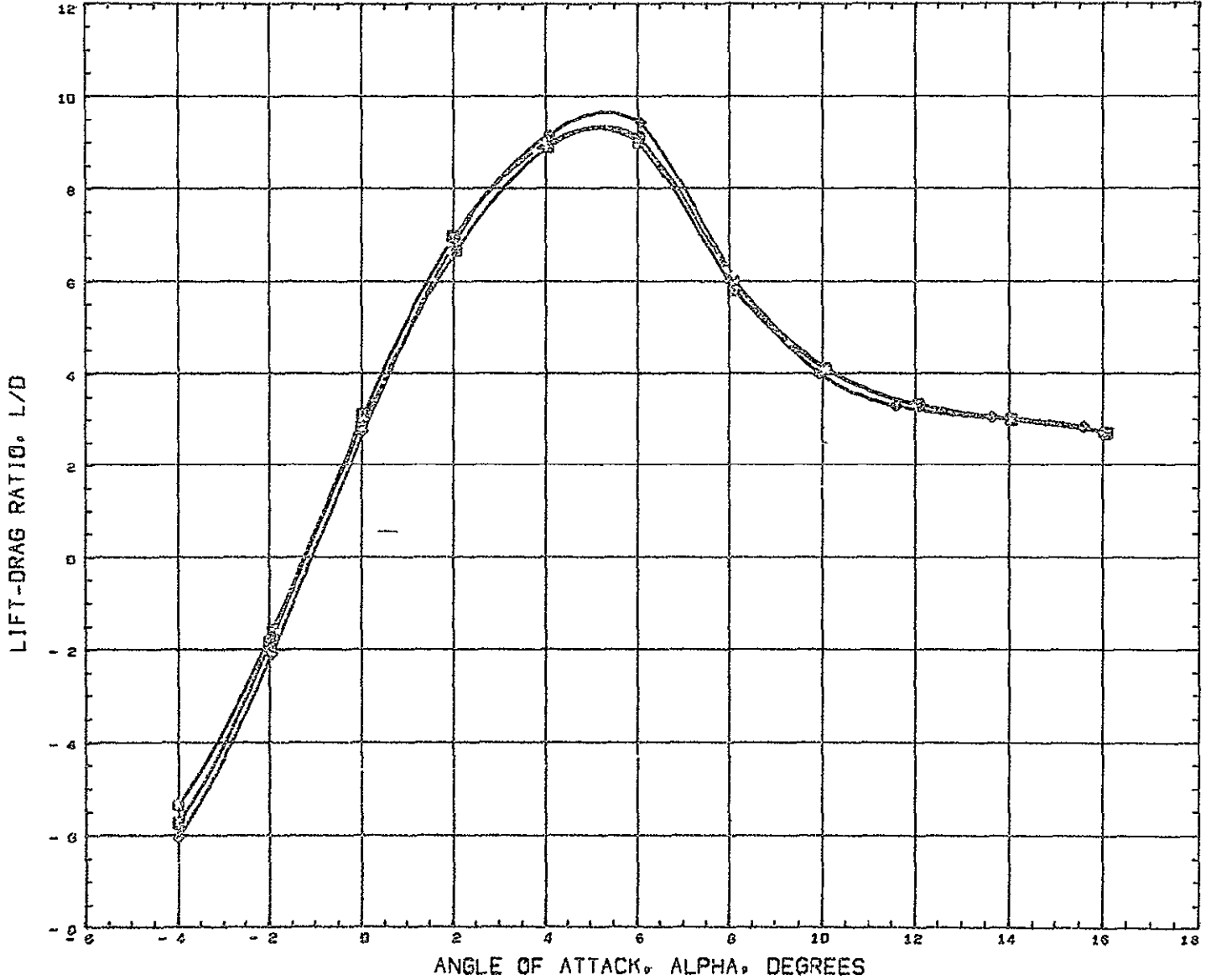
REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

FACH

D.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

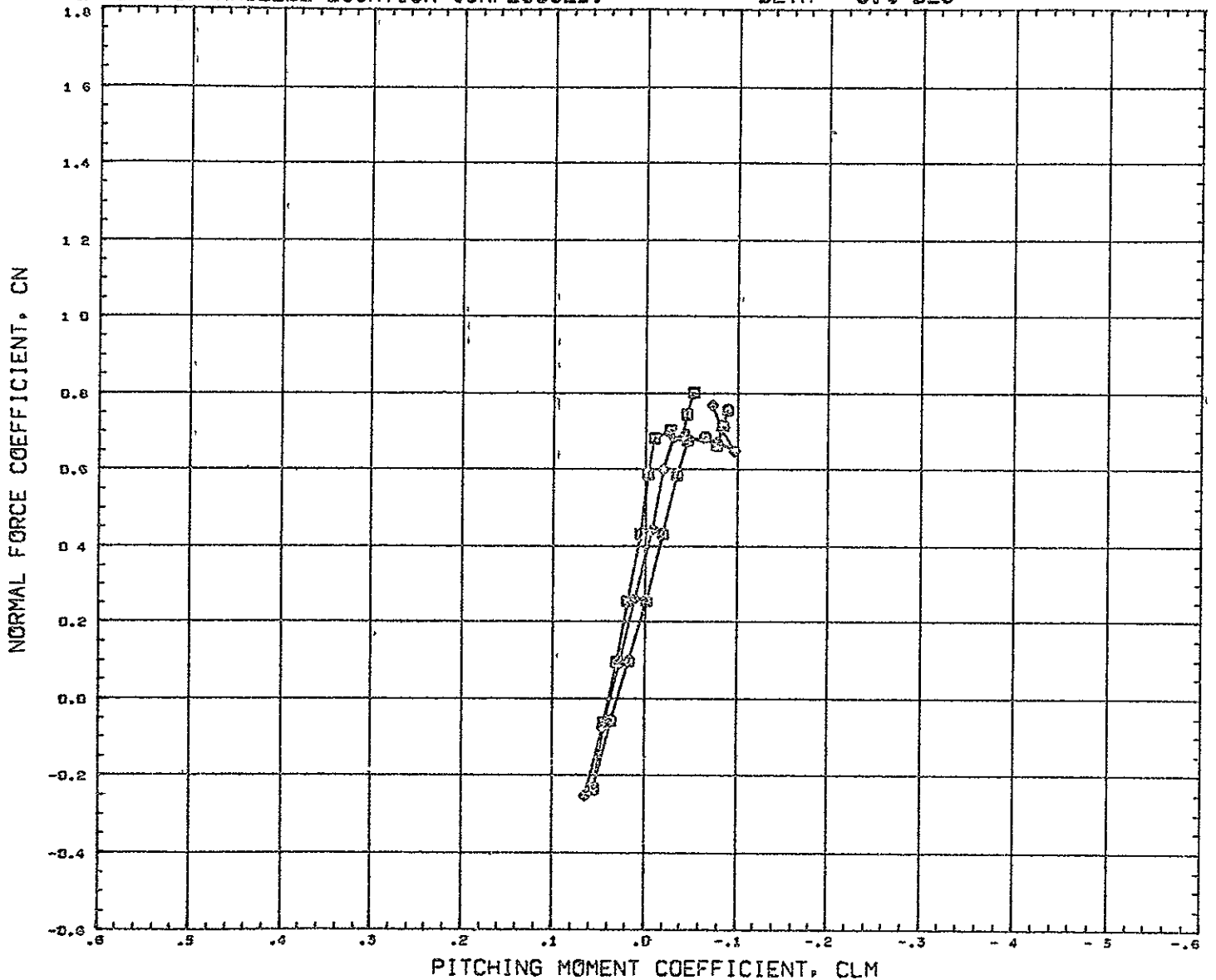


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(R6027)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V3	BETA 5.000	REFS 0 1790 SQ FT
(R6007)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		REFL 15 7370 INCHES
(R6002)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V3		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

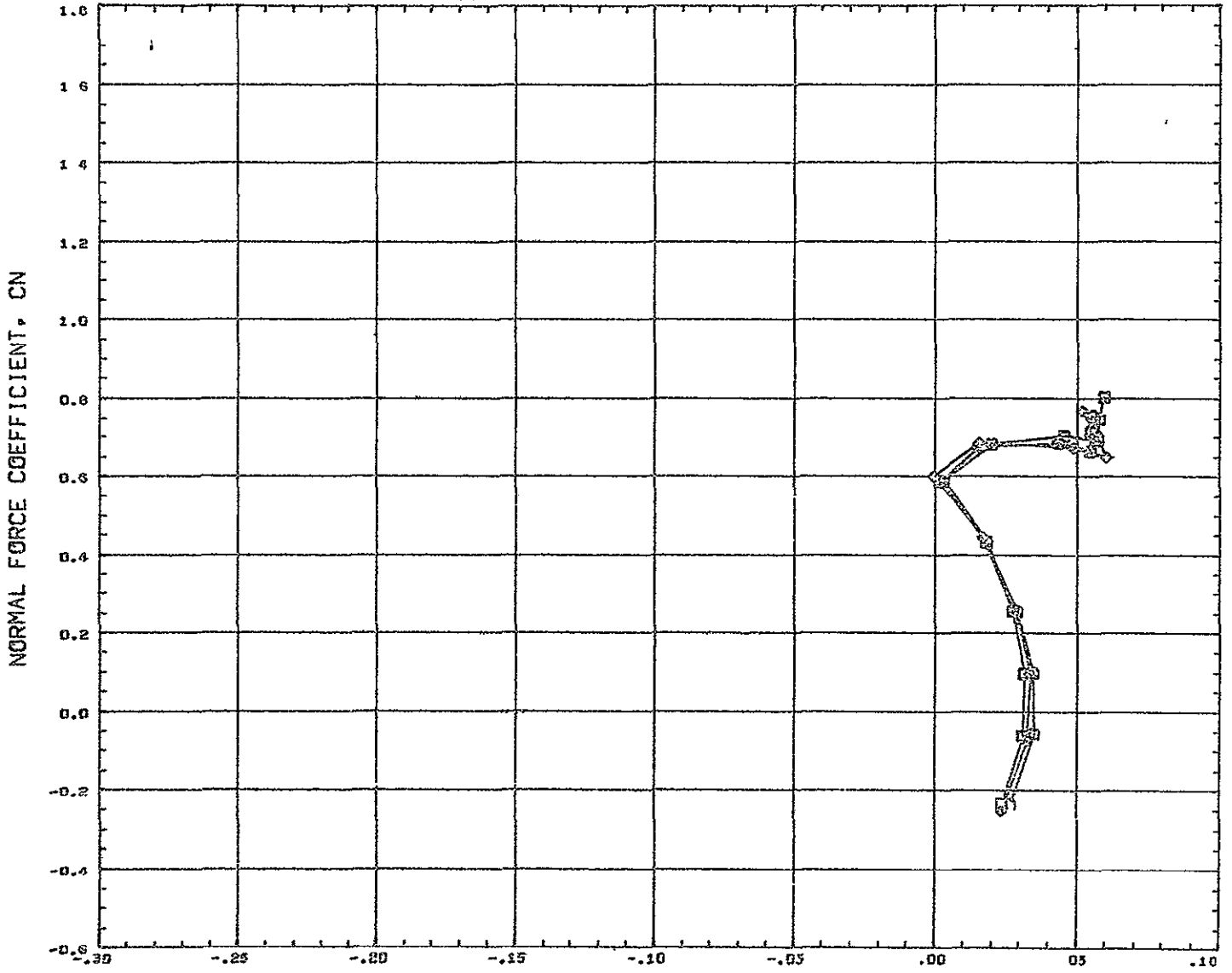


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6027)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RC6007)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		REFL 15 7370 INCHES
(RC6062)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMPP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG



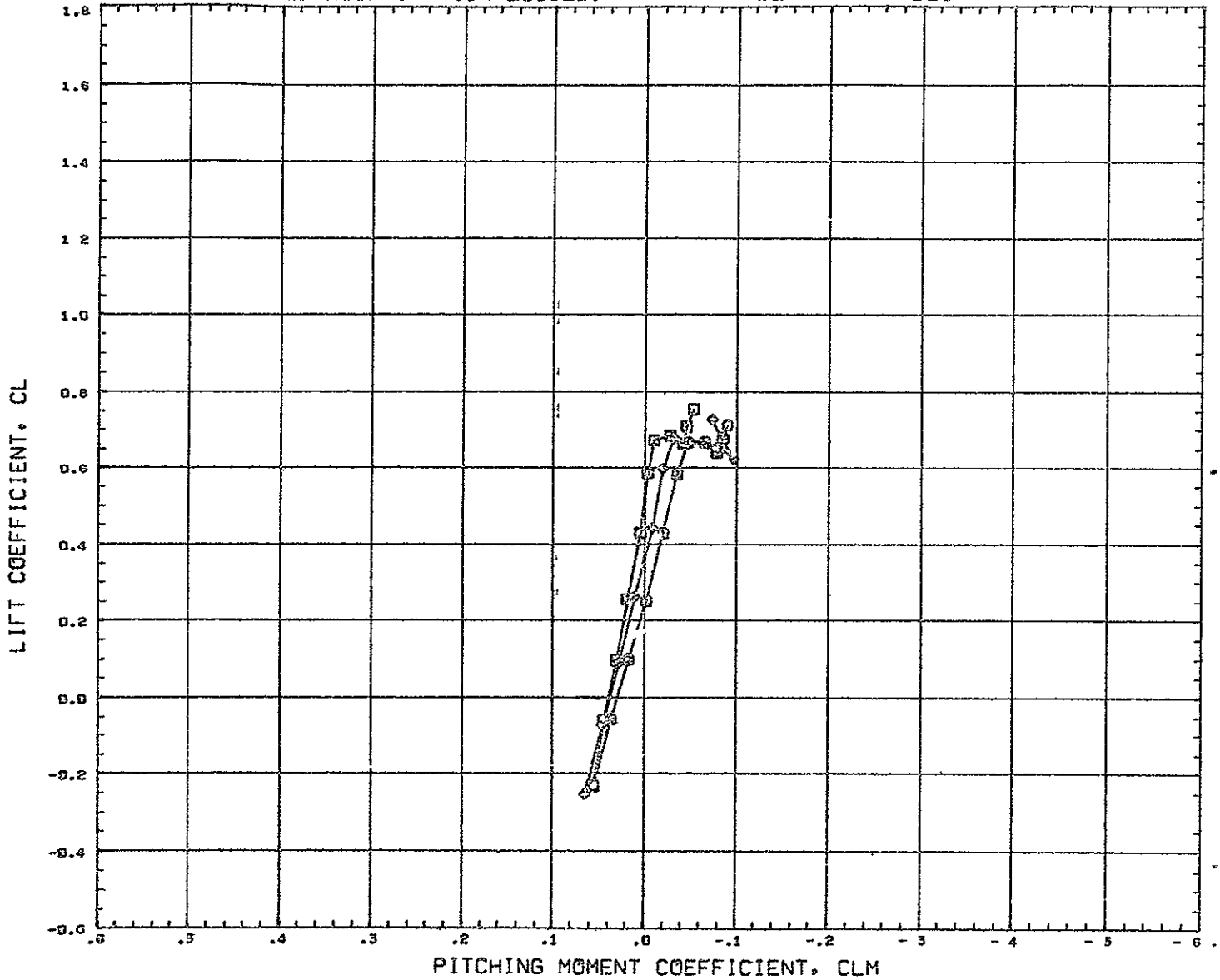
FOREBODY AXIAL FORCE COEFFICIENT, CAF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG027)	MAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	BETA 5 000	REFS 0 1790 SQ FT
(RCG007)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		REFL 15 7370 INCHES
(RCG082)	MAAL 632 SSV-STR WING FORCE-NAC B6 N1 W10 H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

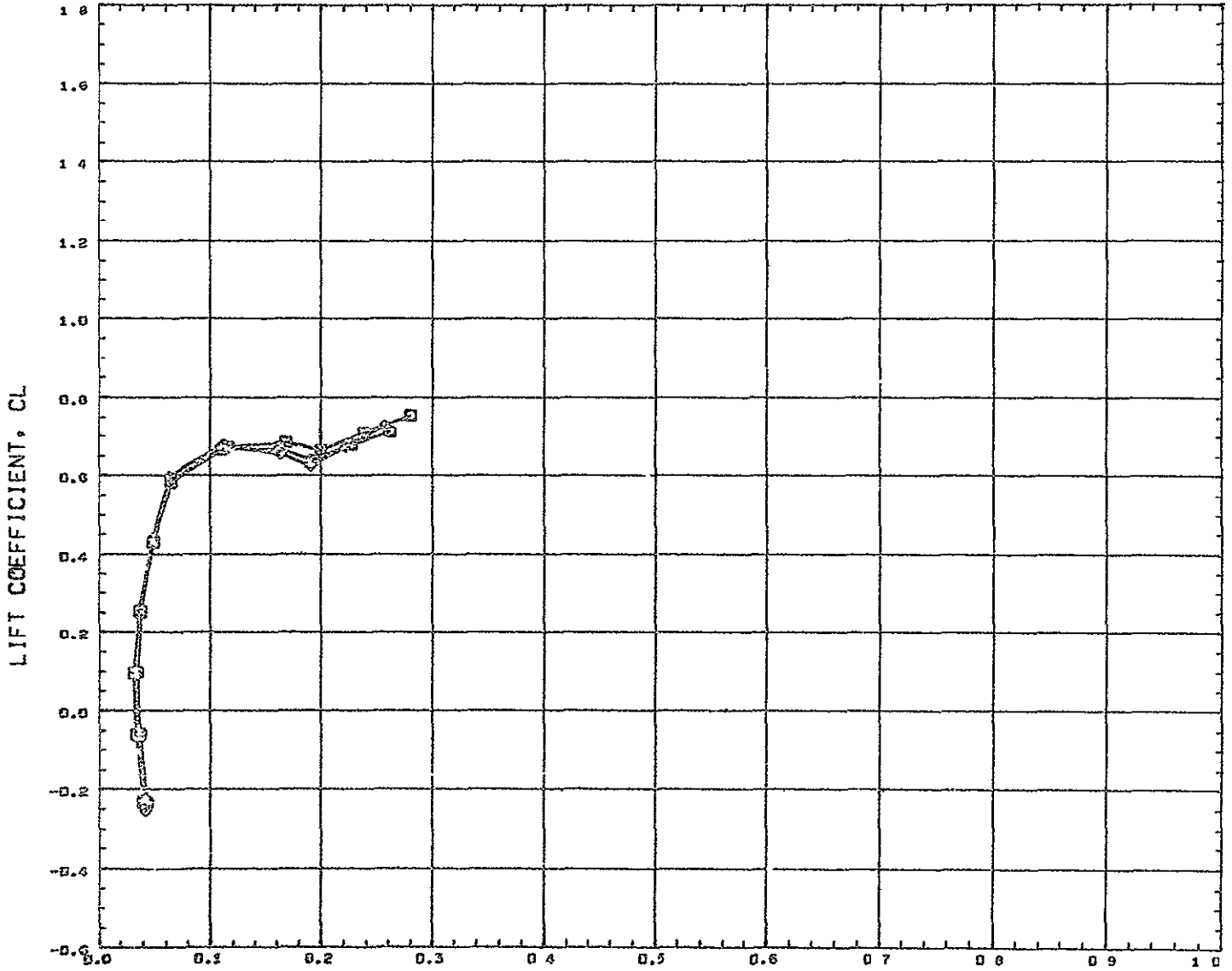


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6D27)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	BETA 5.000	REFS 0 1793 SQ FT
(RC6D07)	NAAL 632 SSV-STR WING FORCE-NAC B5 H2 W10 H12 V5		REFL 15 7370 INCHES
(RC6D92)	NAAL 632 SSV-STR WING FORCE-NAC B6 H4 W10 H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YNPP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 259

EFFECT OF NACELLE LOCATION (UNPLUGGED)

BETA = 5.0 DEG

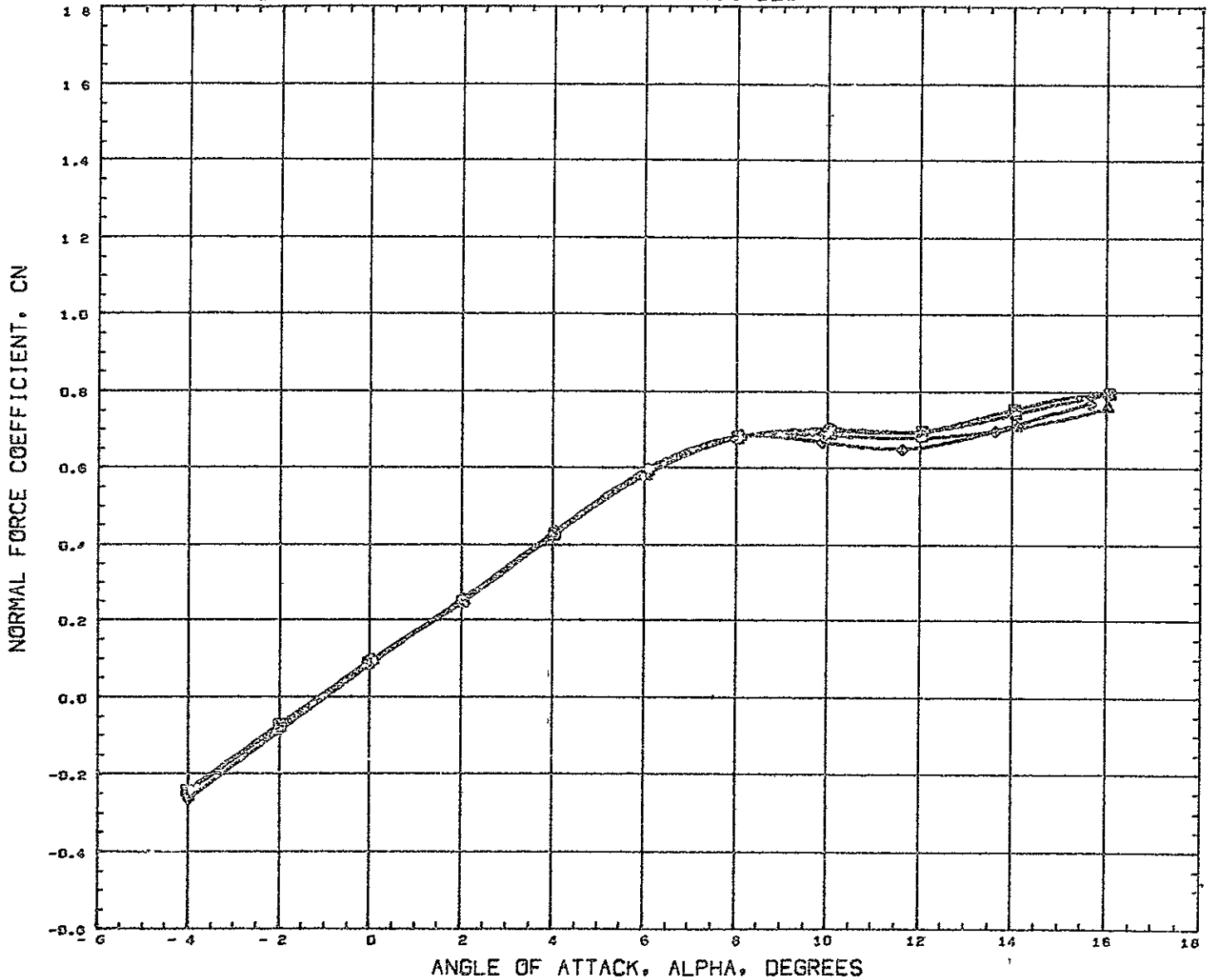


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6027)	NAAL 632 SSV-STR WING FORCE-NAC B5 N4 W10 H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RC6007)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		PEFL 15 7370 INCHES
(RC6002)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
			XNRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZNRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

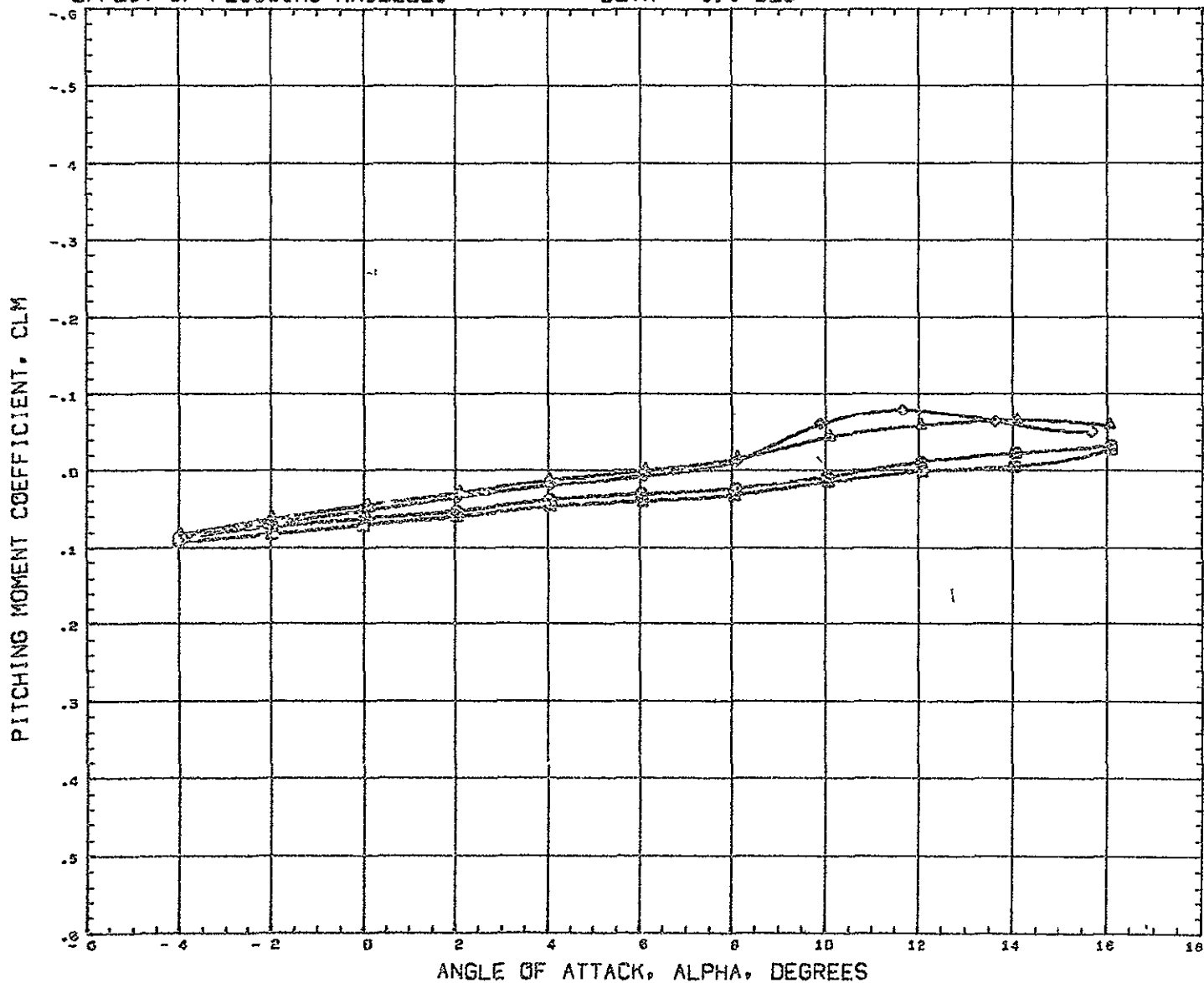


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG006)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0 1790 SQ FT
(RCG011)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RCG061)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG016)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XNRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

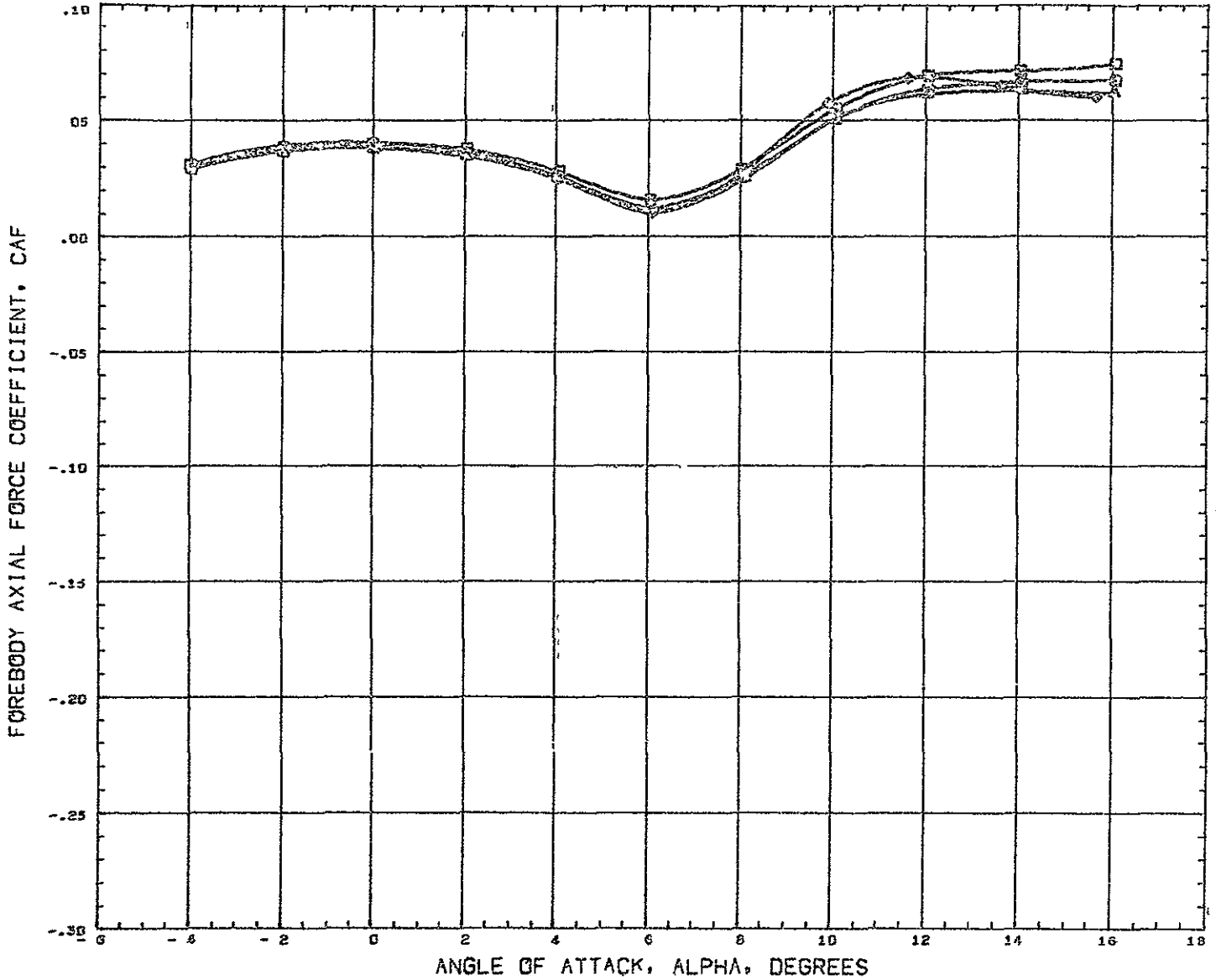


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG006)	□	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0 1790 SQ.FT
(RCG011)	○	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RCG031)	◇	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG010)	△	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XHRF 9 8400 INCHES
				YHRF 0 0000 INCHES
				ZHRF - 0 3840 INCHES
				SCALE 0 0076 SCALE

HACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

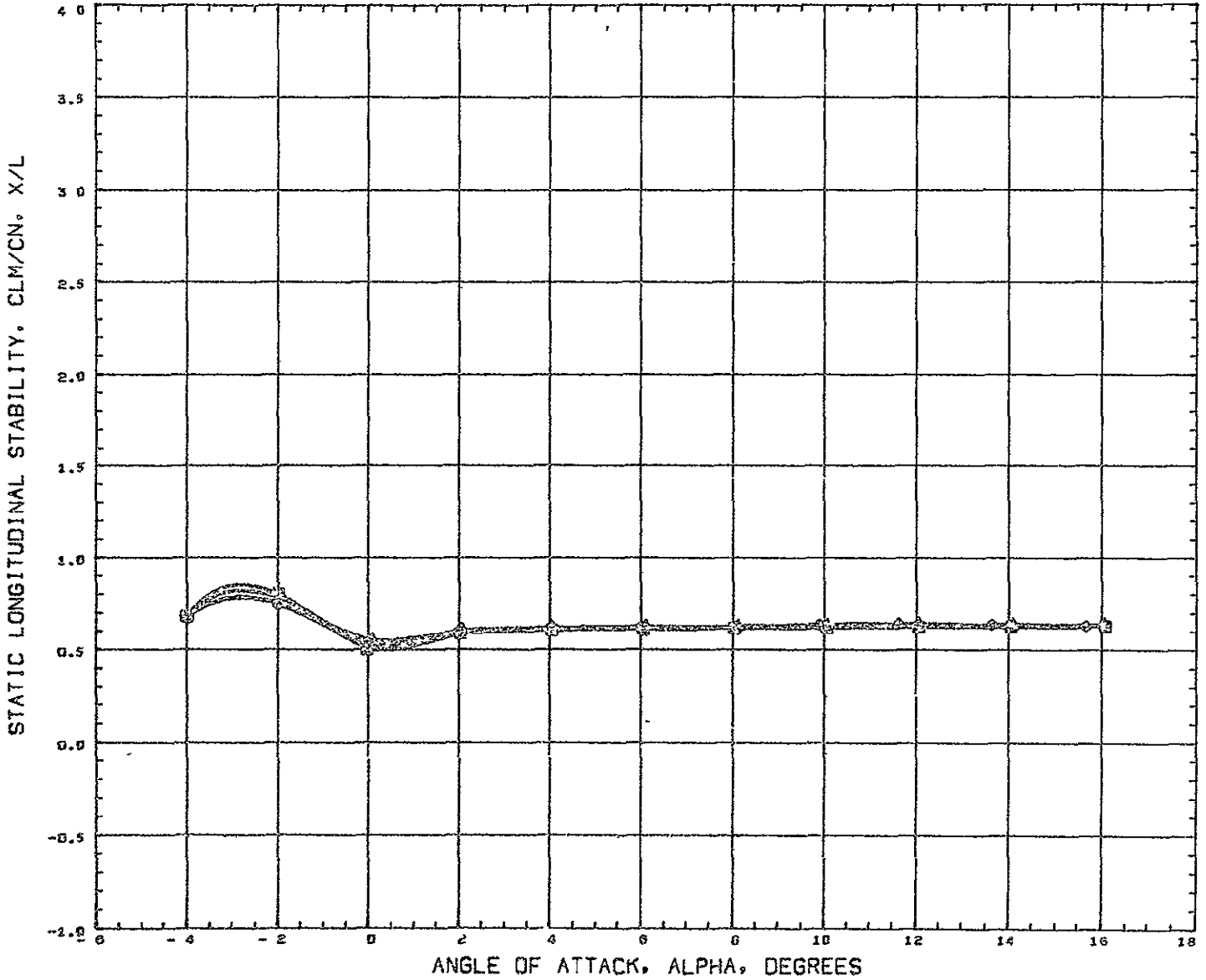


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6006)	□ NAAL 632 SSV-STR WING FORCE-NAC 06 N2 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
(RC6011)	△ NAAL 632 SSV-STR WING FORCE-NAC 06 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6001)	◇ NAAL 632 SSV-STR WING FORCE-NAC 06 N4 W10 H12 V5		REFB 11 3330 INCHES
(RC6016)	○ NAAL 632 SSV-STR WING FORCE-NAC 06 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHPP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0 259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

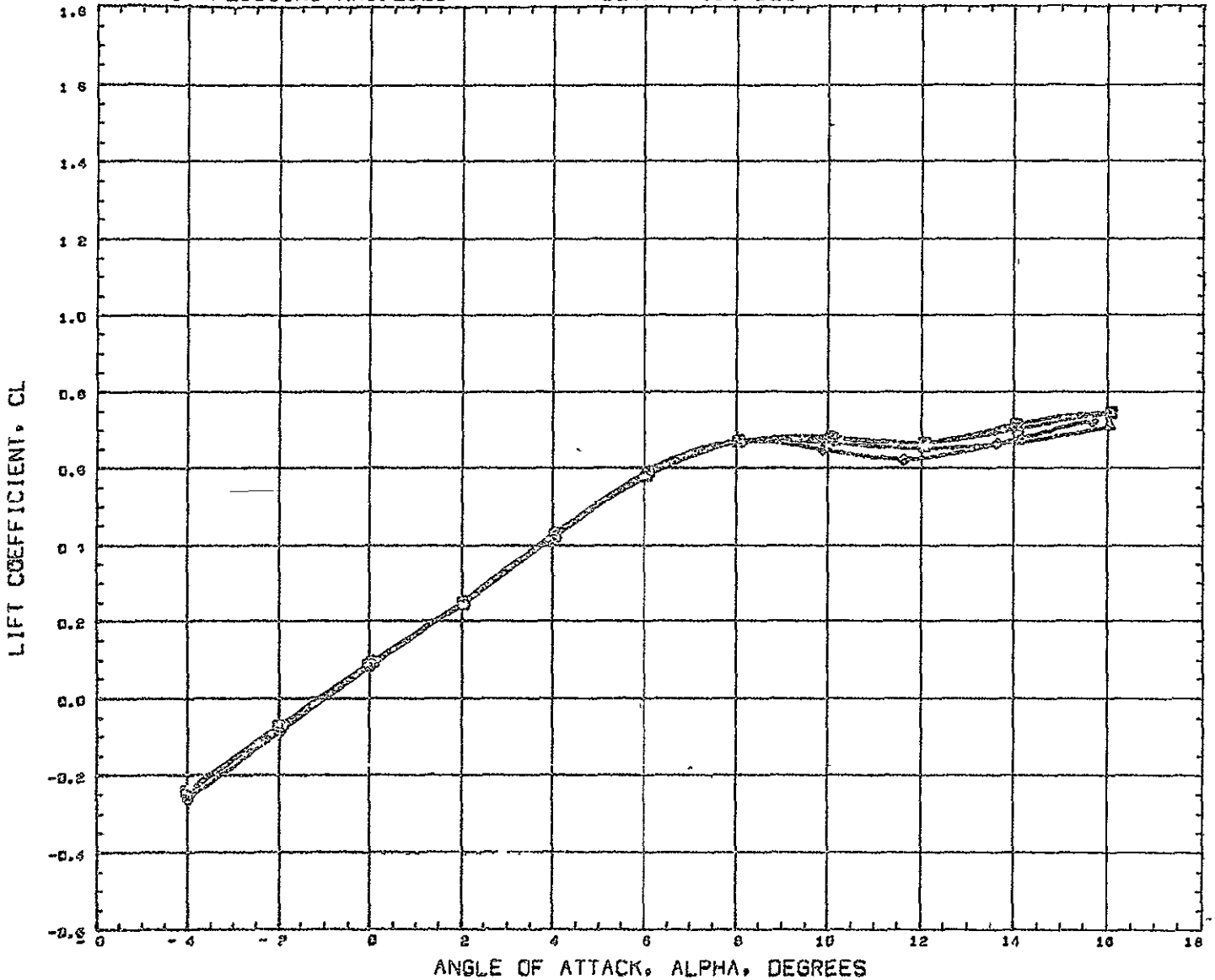


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG008)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0 000 HOR 0 000	PEFS 0 1790 SQ FT
(RCG011)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RCG005)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG016)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

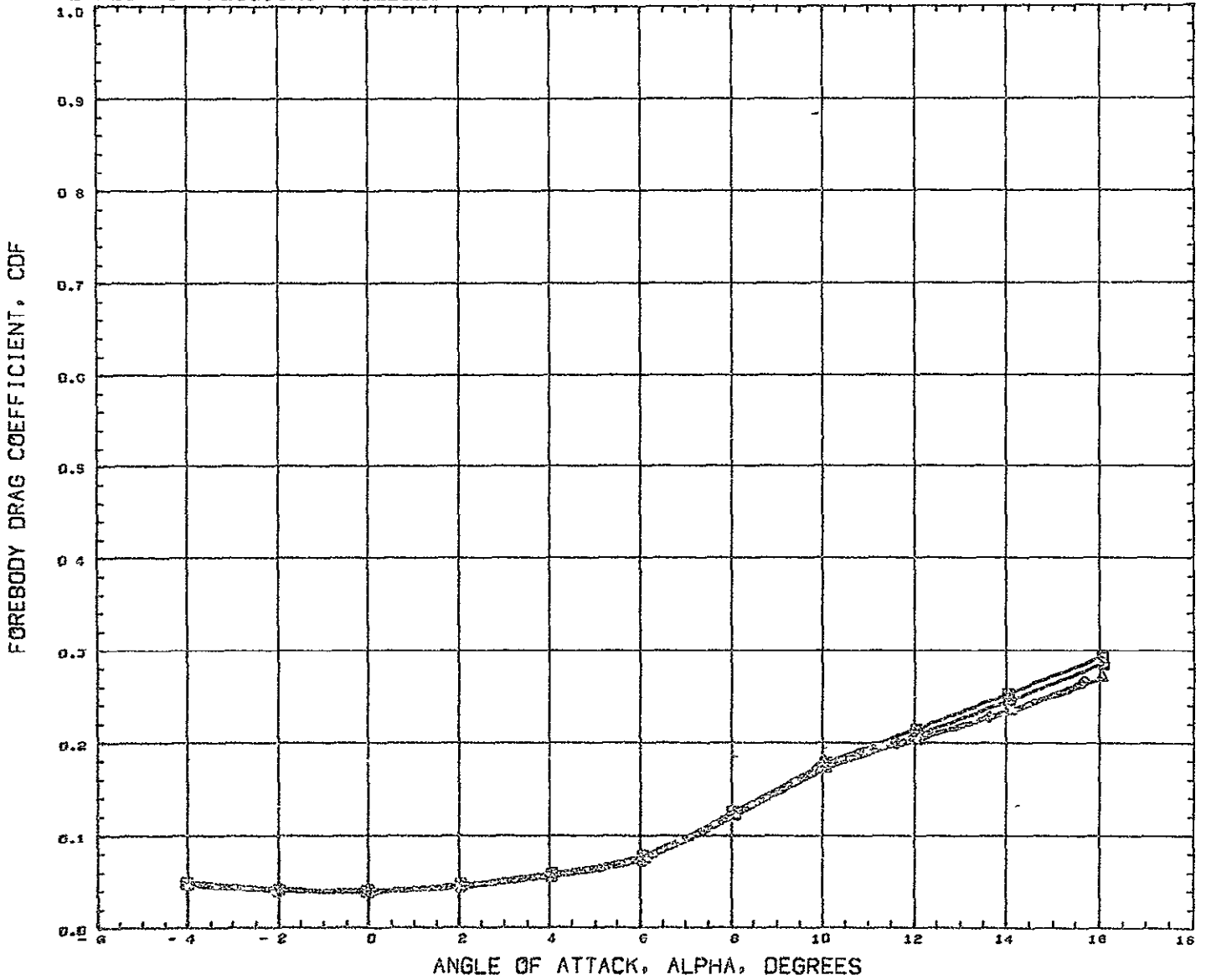


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6008)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0.1790 SQ FT
(RC6011)	MAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6001)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC6016)	MAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XHRP 9.8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

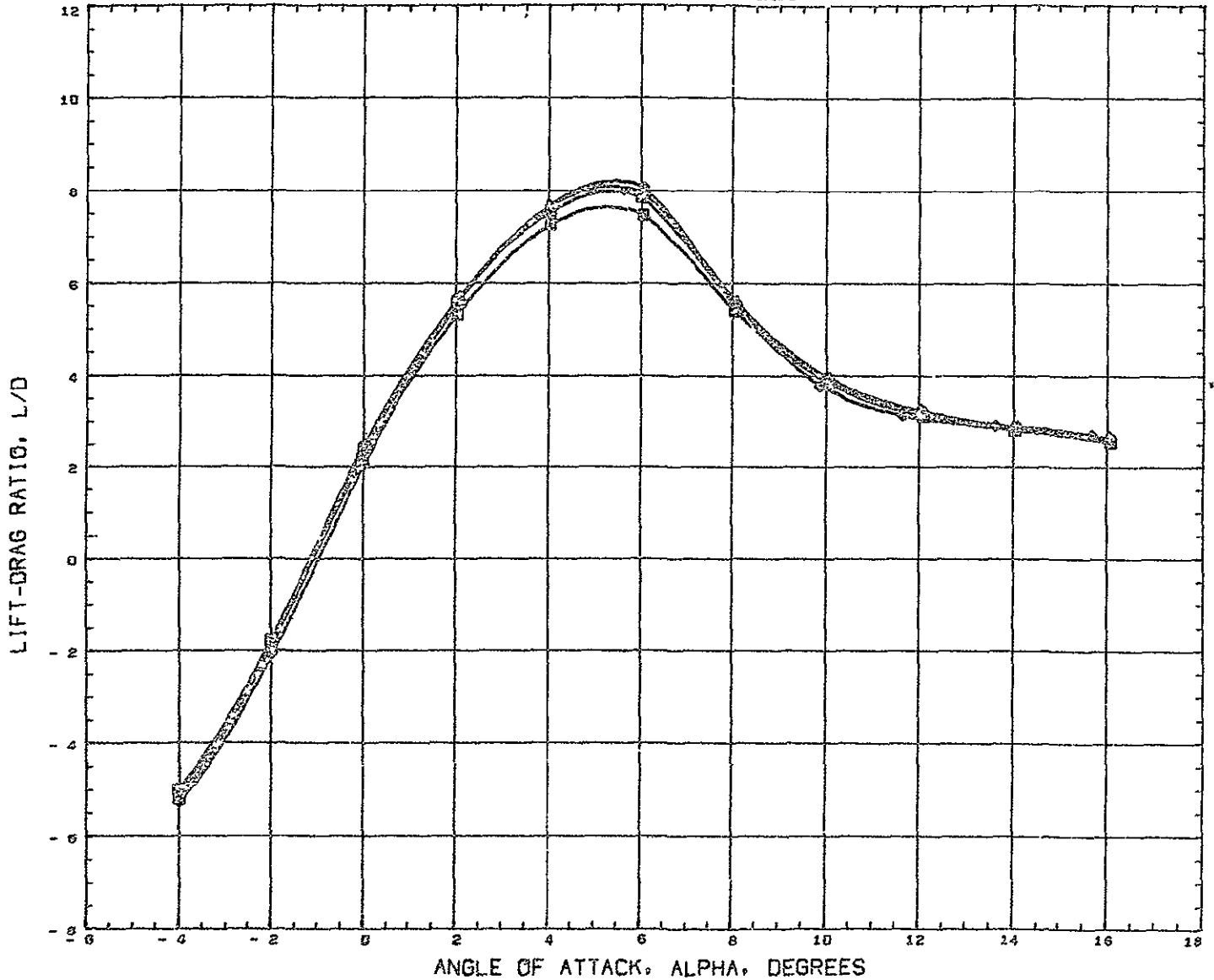


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCCG008)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
(RCCG011)	HAAL 632 SSV-STR WING FORCE-N1C B8 N3 W10 H12 V5		REFL 15 7370 INCHES
(RCCG001)	HAAL 632 SSV-STR WING FORCE-NAC B8 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCCG016)	HAAL 632 SSV-STR WING FORCE-NAC B8 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

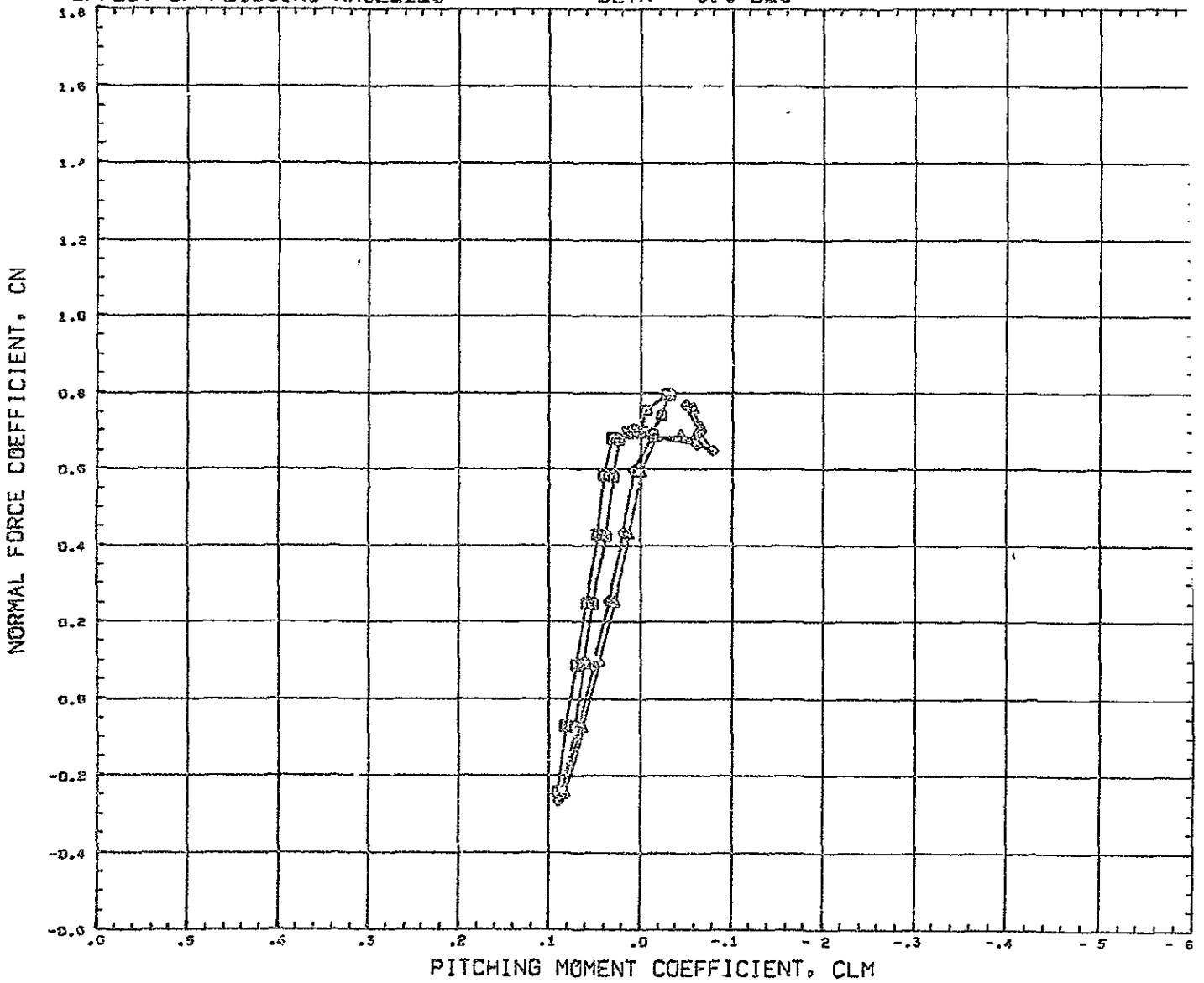


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0.000	REFS 0 1790 SQ.FT
(RC6011)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6061)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC6018)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF PLUGGING NACELLES

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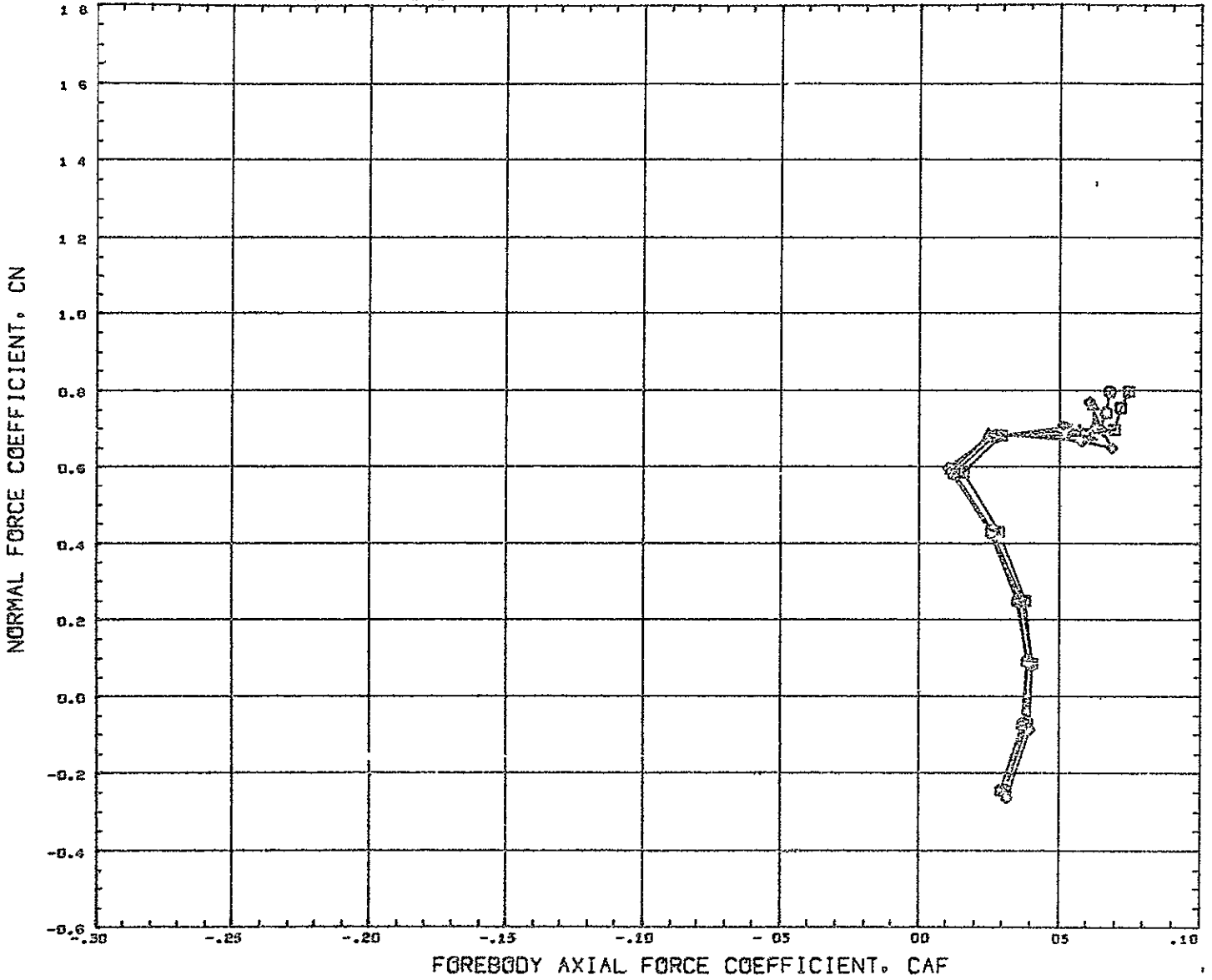


DATA SET SYMBOL	CONFIGURATICY DESCRIPTIC ⁿ	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC000)	□ NAAL 632 88V-STR WING FORCE-NAC B6 H2 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT.
(RCC011)	□ NAAL 632 88V-STR WING FORCE-NAC B6 H3 W10 H12 V5		REFL 15 7370 INCHES
(RCC081)	◇ NAAL 632 88V-STR WING FORCE-NAC B6 H4 W10 H12 V5		REFB 11 3390 INCHES
(RCC016)	△ NAAL 632 88V-STR WING FORCE-NAC B6 H5 W10 H12 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0 239

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

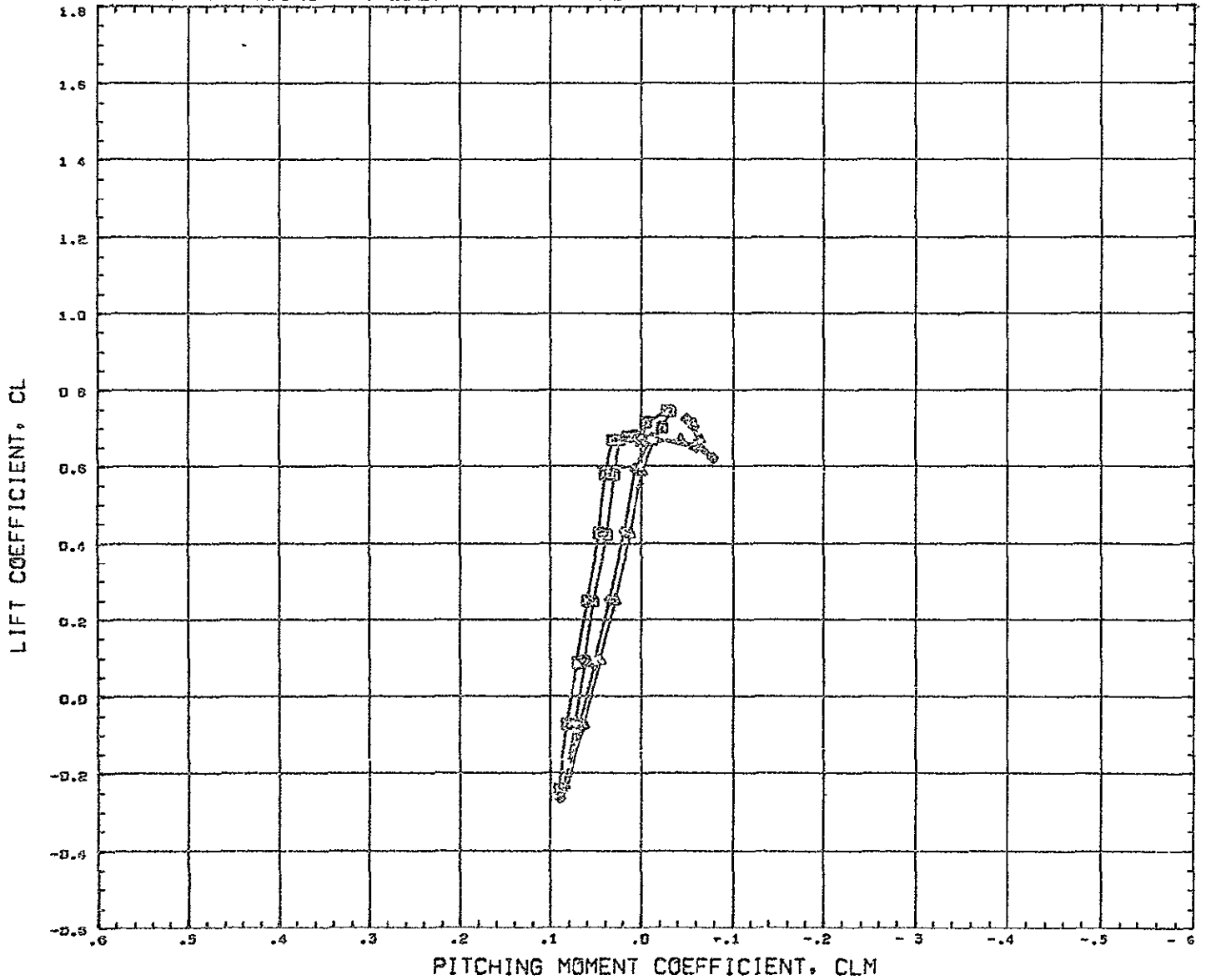


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	PEFS 0 1790 SQ FT
(RC6011)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6081)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		PEFB 11 3390 INCHES
(RC6016)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 5000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 239

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

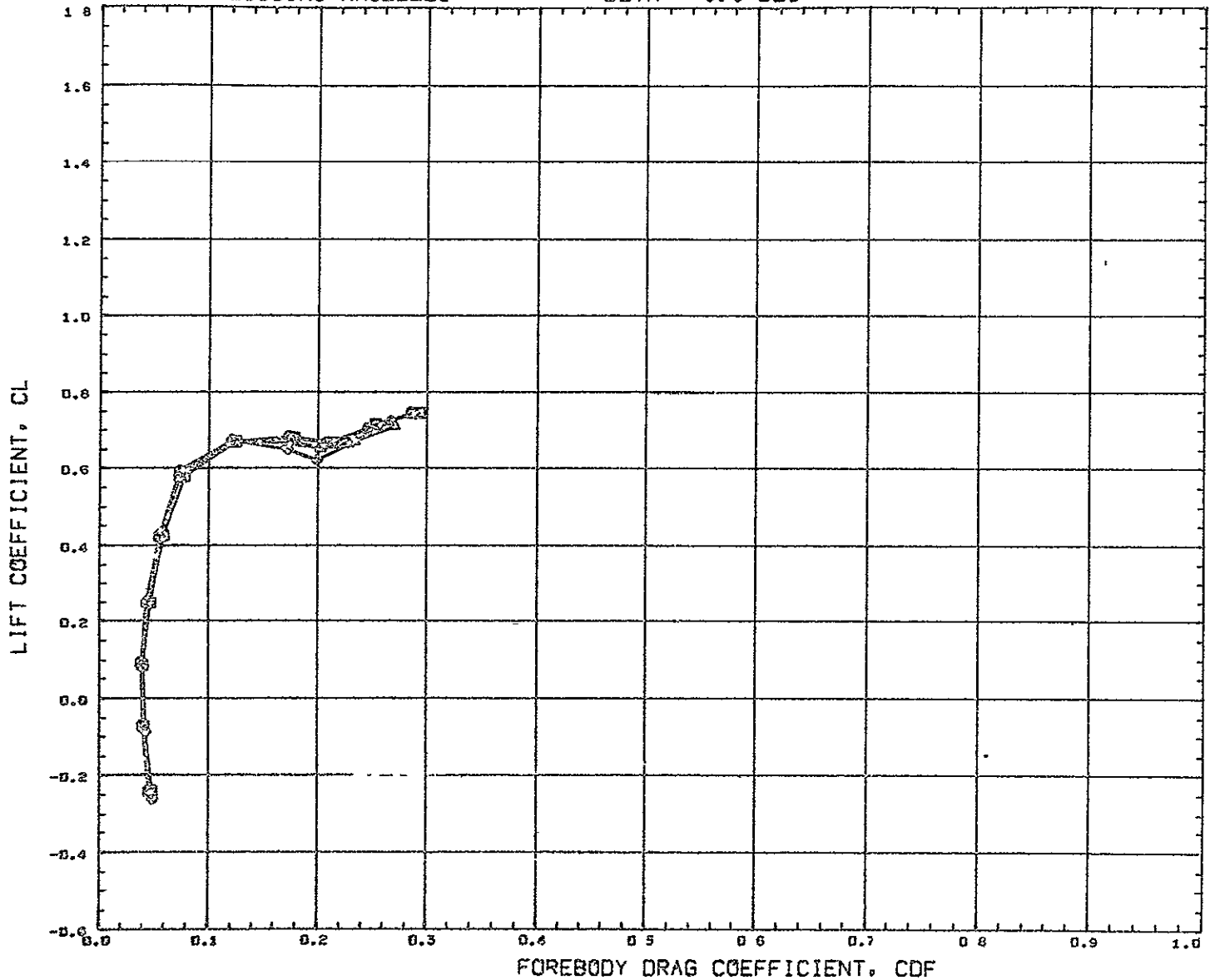


DATA	SY	S	190L	CONFIGURATION DESCRIPTION	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG008)	□			NAAL 632 SSV-STR WING FORCE-NAC B6 W2 W10 H12 V5		0 000 HOR 0 000	REFS 0 1790 SQ FT
(RCG011)	□			NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5			REFL 15 7370 INCHES
(RCG061)	◇			NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5			REFB 11 3390 INCHES
(RCG016)	△			NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5			X4RF 9 8400 INCHES
							YHRF 0 0000 INCHES
							ZHRF 0 3640 INCHES
							SCALE 0 0076 SCALE

MACH 0.759

EFFECT OF PLUGGING NACELLES

BETA = 0.0 DEG

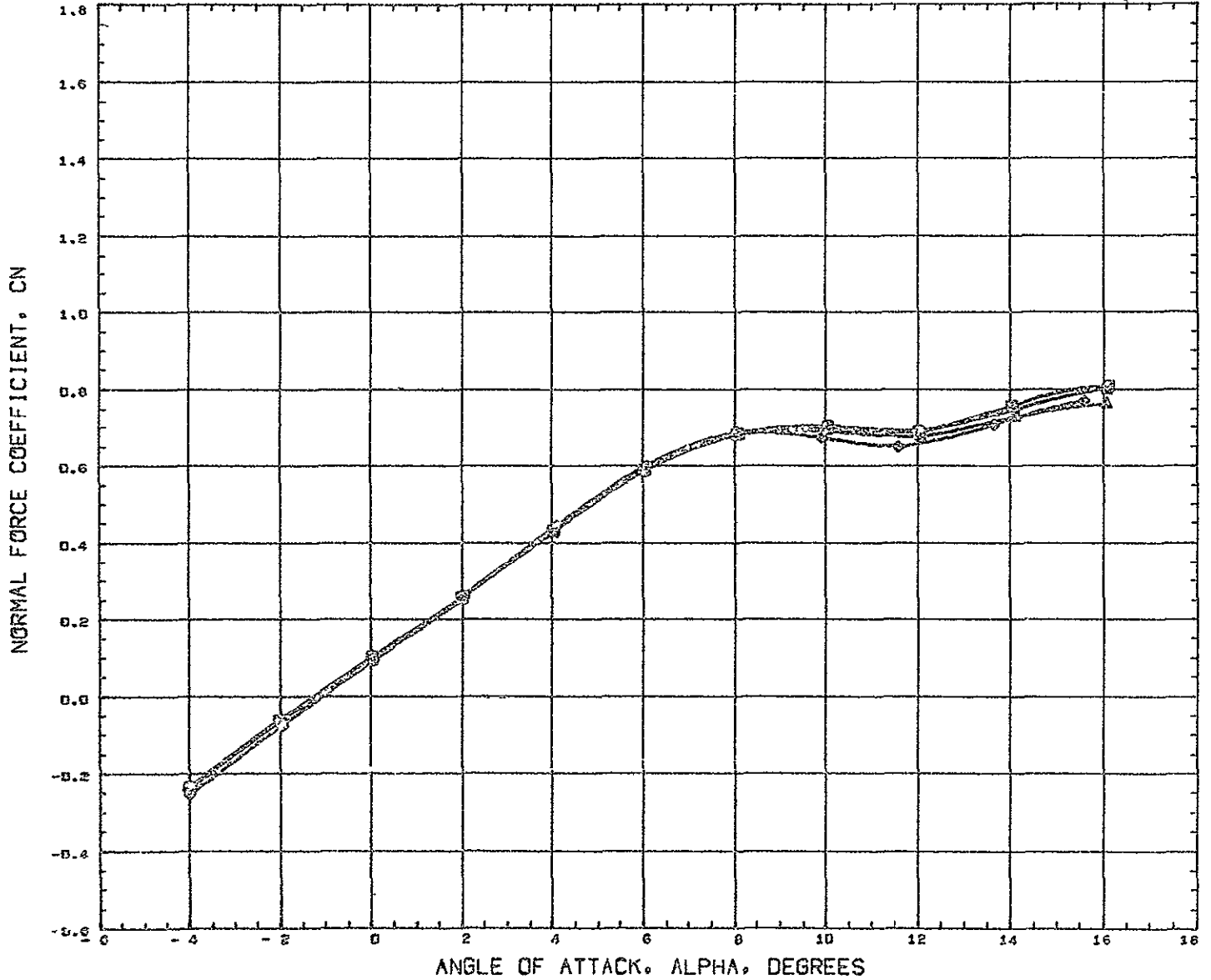


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG005)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 WID H12 V3	BETA 0.000 HOR U 000	PEFS 0 1790 SQ.FT
(RCG011)	□ NAAL 632 SSV-STR WING FORCE-NAC B8 N3 WID H12 V5		PEFL 15 7370 INCHES
(RCG081)	◇ NAAL 632 SSV-STR WING FORCE-NAC B8 N4 WID H12 V5		REFL 11 3390 INCHES
(RCG010)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N5 WID H12 V5		XMRP 9 8400 INCHES
			YHPP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

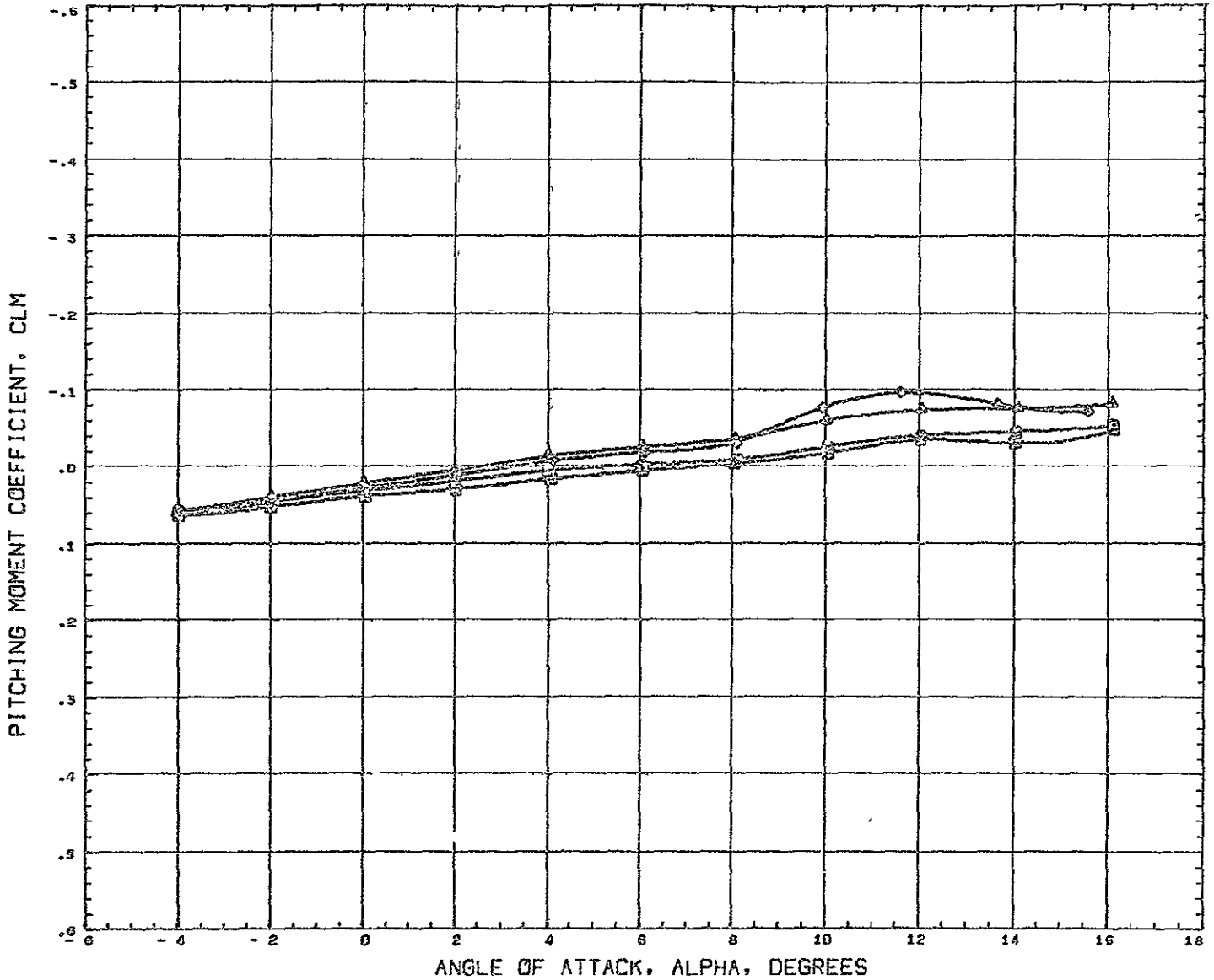


DATA SYM	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG007)	□	NAAL 632 SSV-STR WING FORCE-NAC 86 N2 W18 H12 V5	BETA 5.000 HOP 0.000	REFS 0 1790 SQ FT
(RCG012)	□	NAAL 632 SSV-STR WING FORCE-NAC 86 N3 W18 H12 V5		REFL 15 7370 INCHES
(RCG082)	◇	NAAL 632 SSV-STR WING FORCE-NAC 86 N4 W18 H12 V5		PEFB 11 3390 INCHES
(RCG017)	△	NAAL 632 SSV-STR WING FORCE-NAC 86 N5 W18 H12 V5		XHRF 9 8400 INCHES
				YHRF 0 0000 INCHES
				ZHRF 0 3640 INCHES
				SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

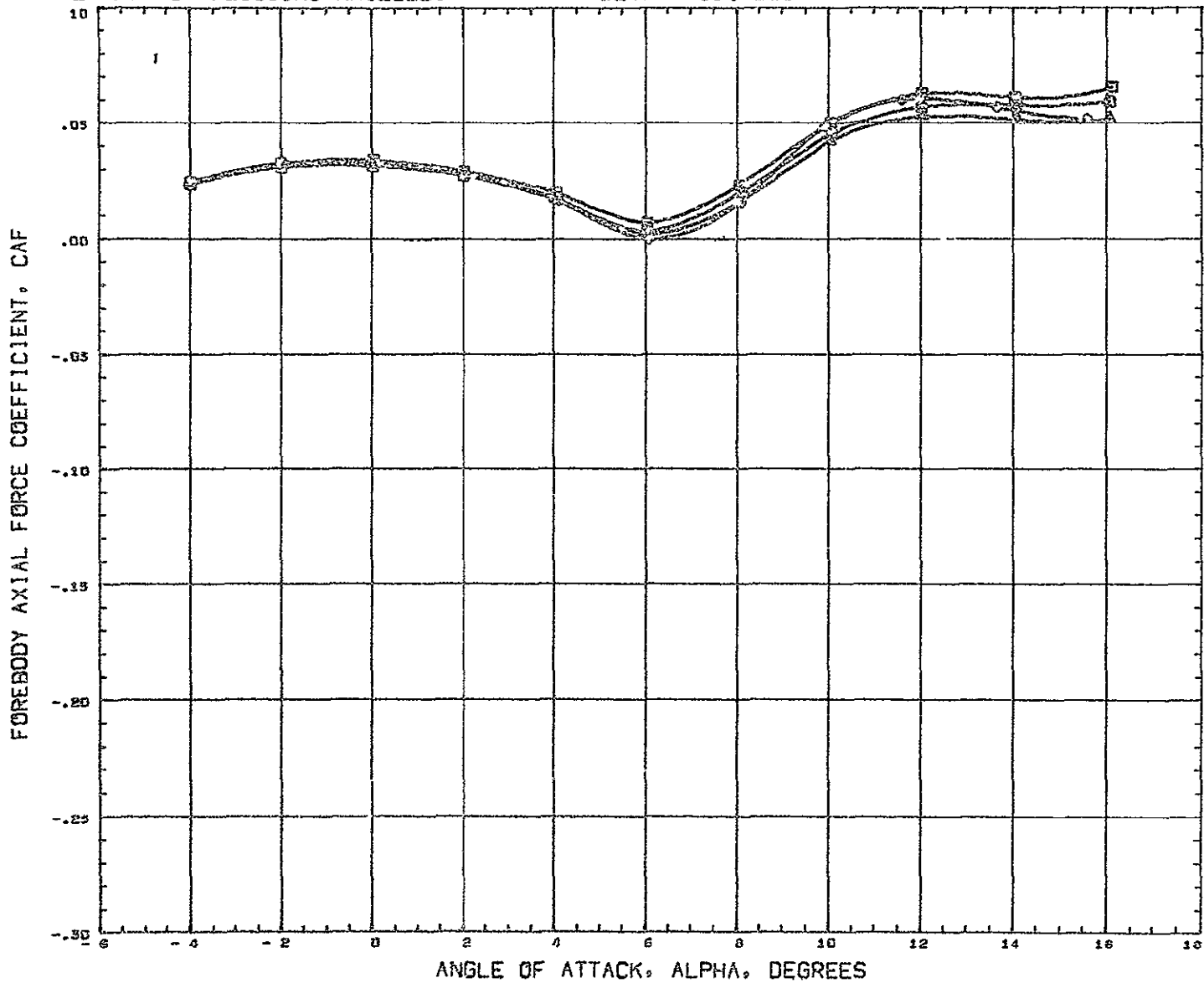


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC600)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR	REFS 0.1790 SQ FT
(RC6012)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		PEFL 15 7370 INCHES
(RC6032)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC6017)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0.3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

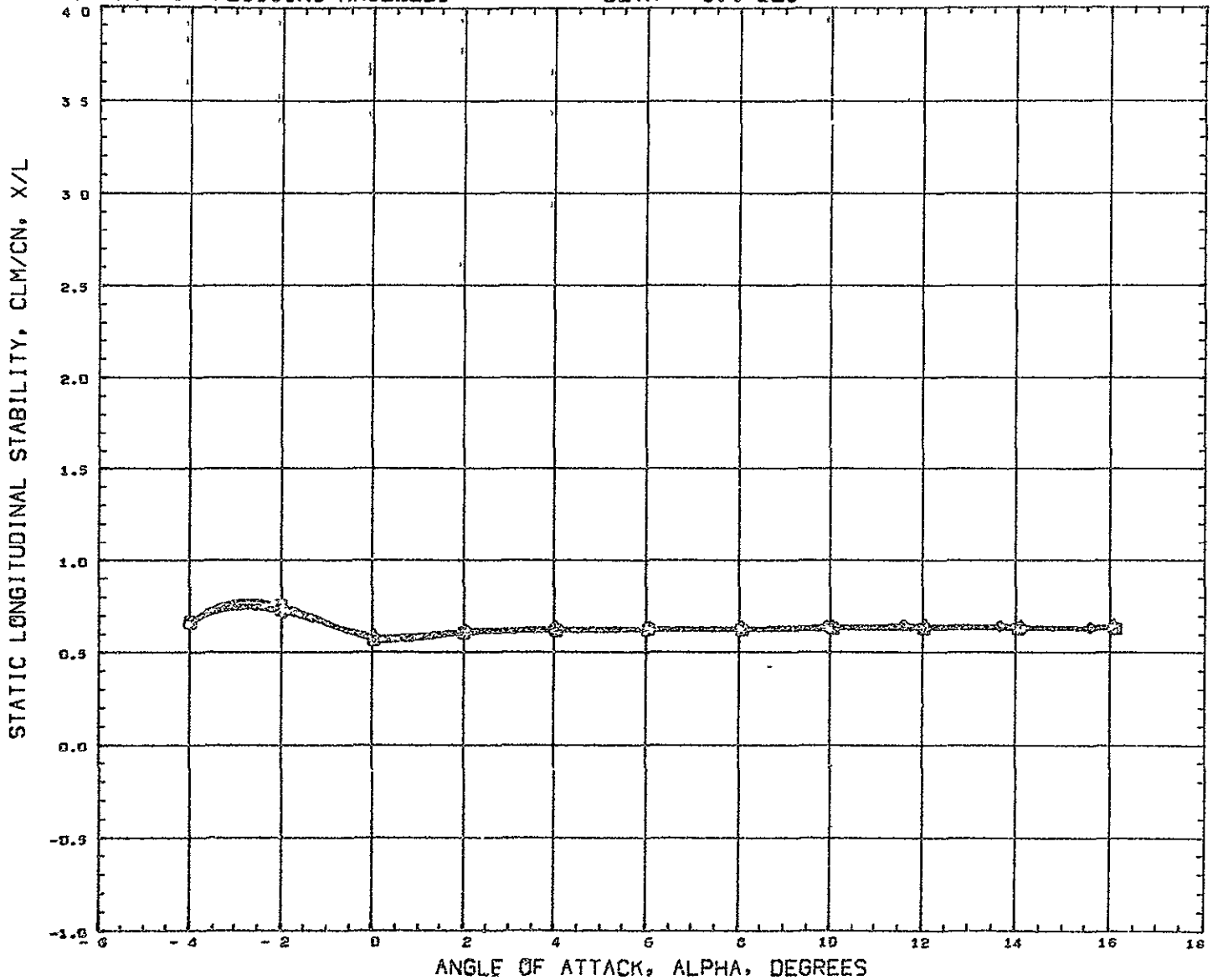


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG007)	□	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12 V5	BETA 5.000 HOR 0.000	REFS 0 1790 SQ FT
(RCG012)	○	NAAL 632 SSV-STR WING FORCE-MAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RCG002)	△	NAAL 632 SSV-STR WING FORCE-MAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG017)	◇	NAAL 632 SSV-STR WING FORCE-MAC B6 N5 W10 H12 V5		XNRP 9 8400 INCHES
				YHRF 0 0000 INCHES
				ZHRF 0 3840 INCHES
				SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

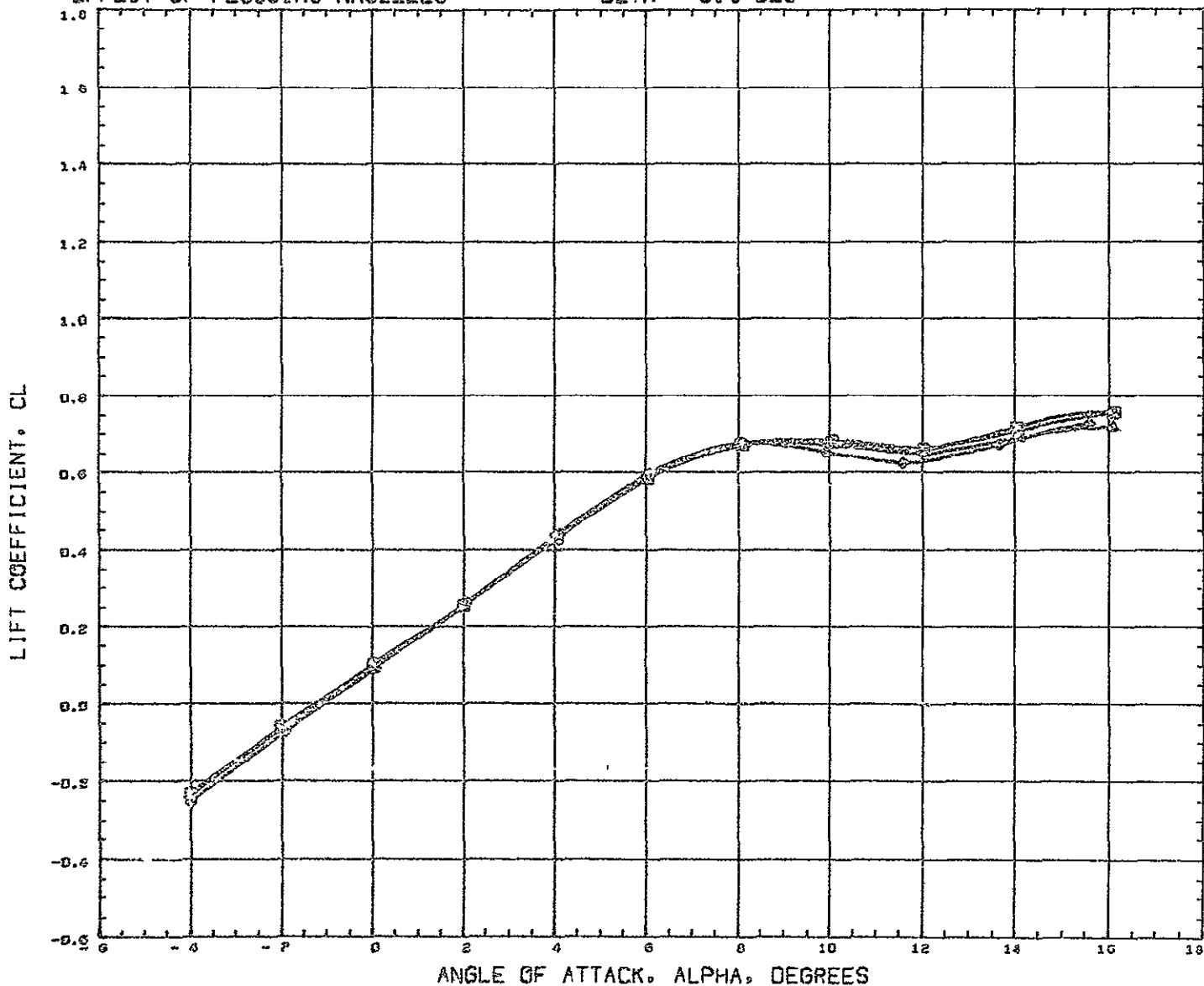


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6007)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V3	BL1A 5 000 HOP 0 000	REFS 0 1790 SQ FT
(RC6012)	HAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6012)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC6017)	HAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8,00 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

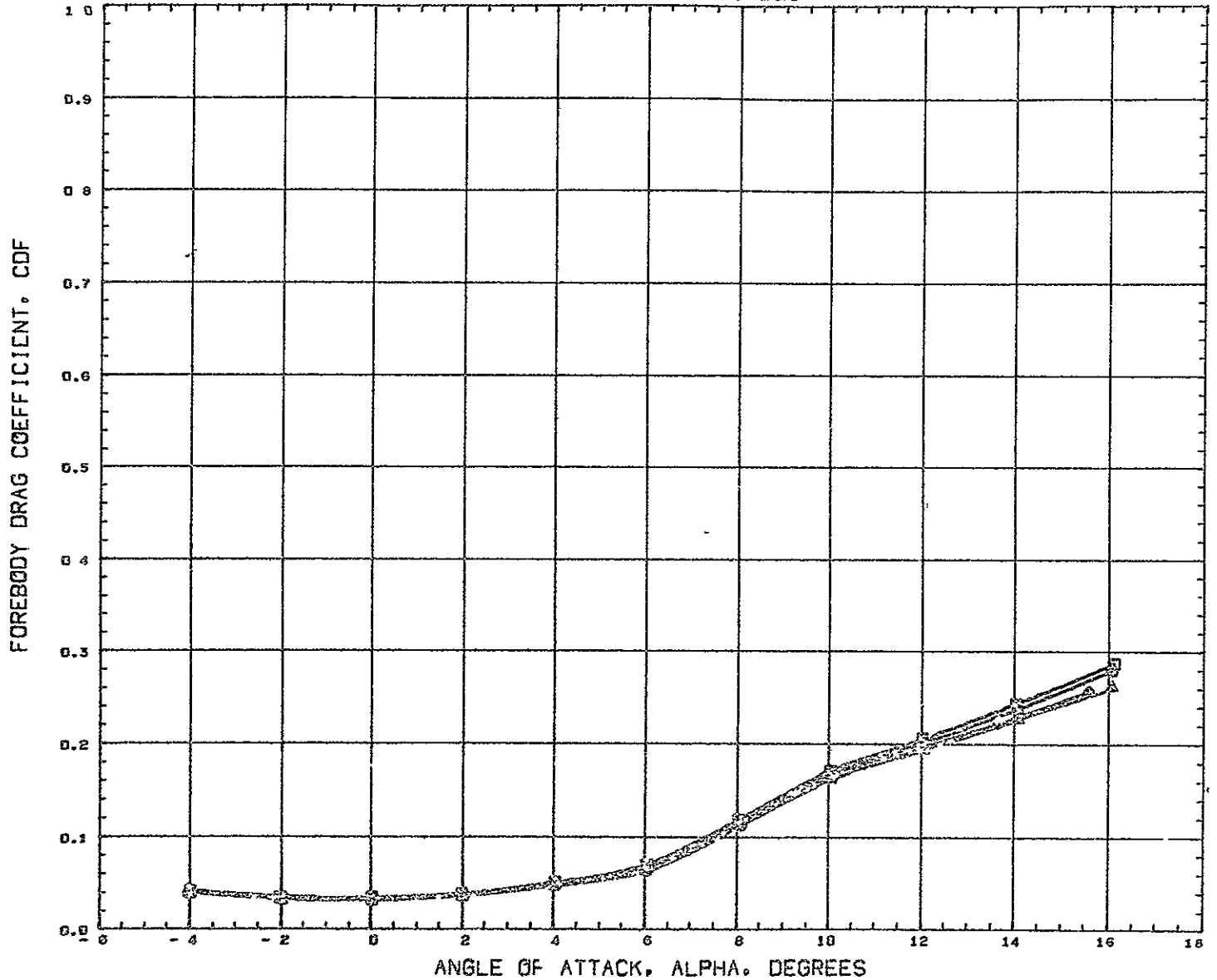


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC007)	□ NAAL 632 SSV-STR WING FORCE-NAC B5 M2 W10 H12 V5	BETA 5 000 HOR 0 000	REFS 0.1790 SQ FT
(RCC012)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 M3 W10 H12 V5		REFL 5 7370 INCHES
(RCC062)	◇ NAAL 632 SSV-STR WING-FORCE-NAC B6 M4 W10 H12 V5		REFB 11 3390 INCHES
(RCC017)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 M5 W10 H12 V5		AMRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 239

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

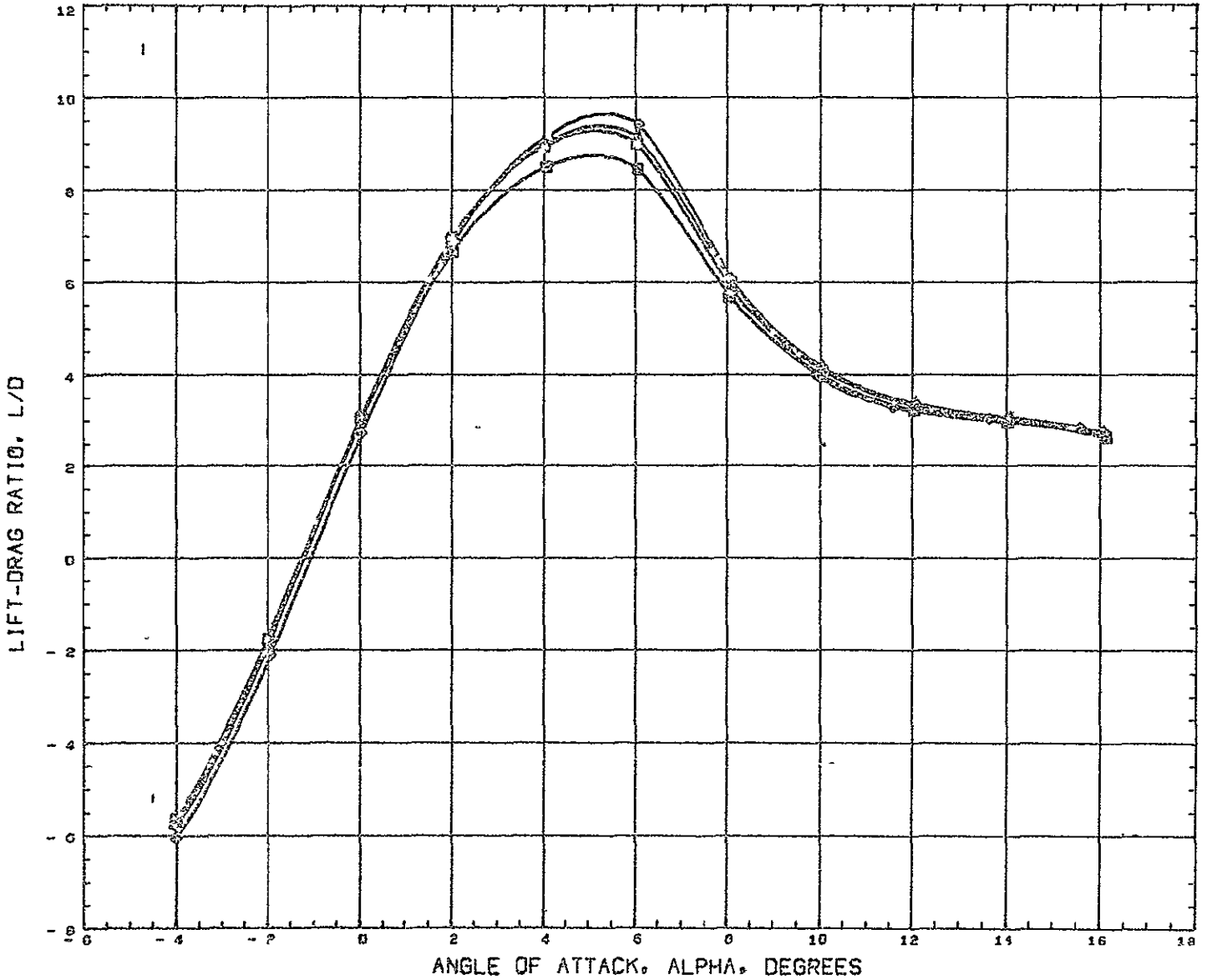


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0007)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR 0.000	REFS 0 1790 SQ FT
(RC0012)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC0062)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC0017)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XPRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZNRP 0 3640 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

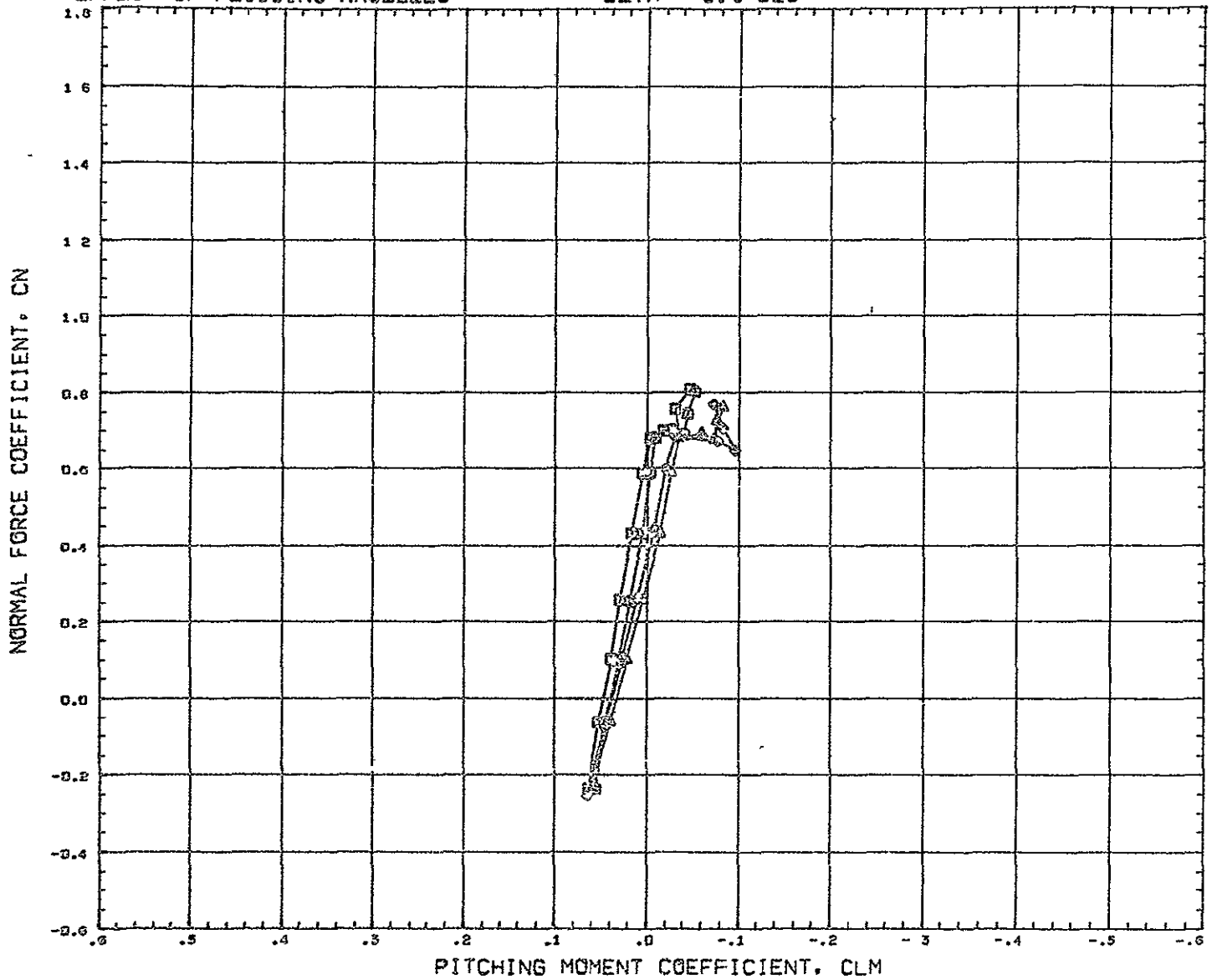


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6007)	□ NAAL 632 SSY-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR	REFS 0 1790 SQ FT
(RC6012)	◇ NAAL 632 SSY-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6002)	○ NAAL 632 SSY-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC6017)	△ NAAL 632 SSY-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9.8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH D 259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG



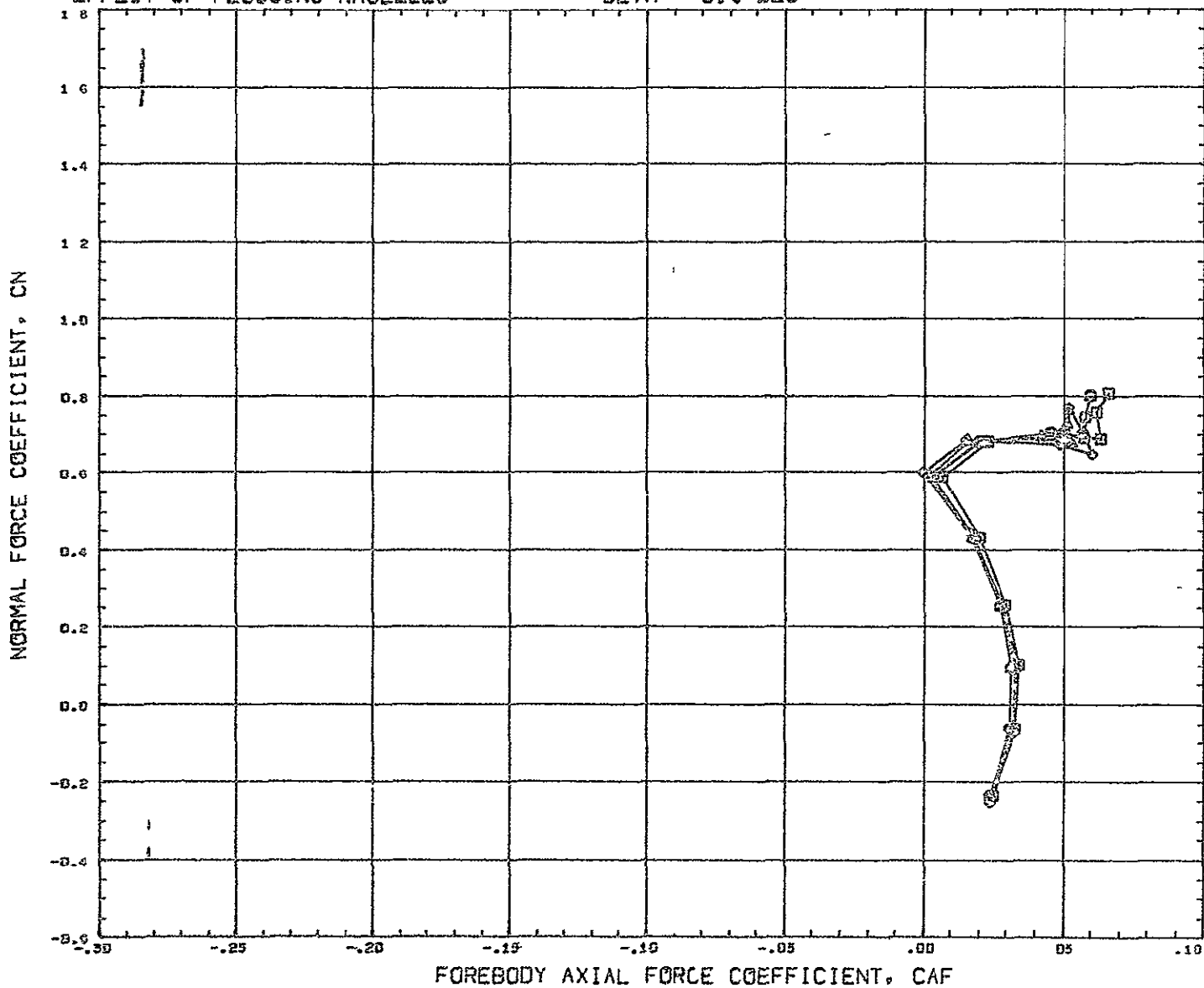
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCSD07)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V3	BETA 5.000 HOR	0.000
(RCSD12)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		
(RCSD02)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		
(RCSD17)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		

REFERENCE INFORMATION	VALUE	UNIT
REFS	0.1790	SQ FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XHRP	9.0400	INCHES
YHRP	0.0000	INCHES
ZHRP	0.3840	INCHES
SCALE	0.0076	SCALE

MACH	0.259
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EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

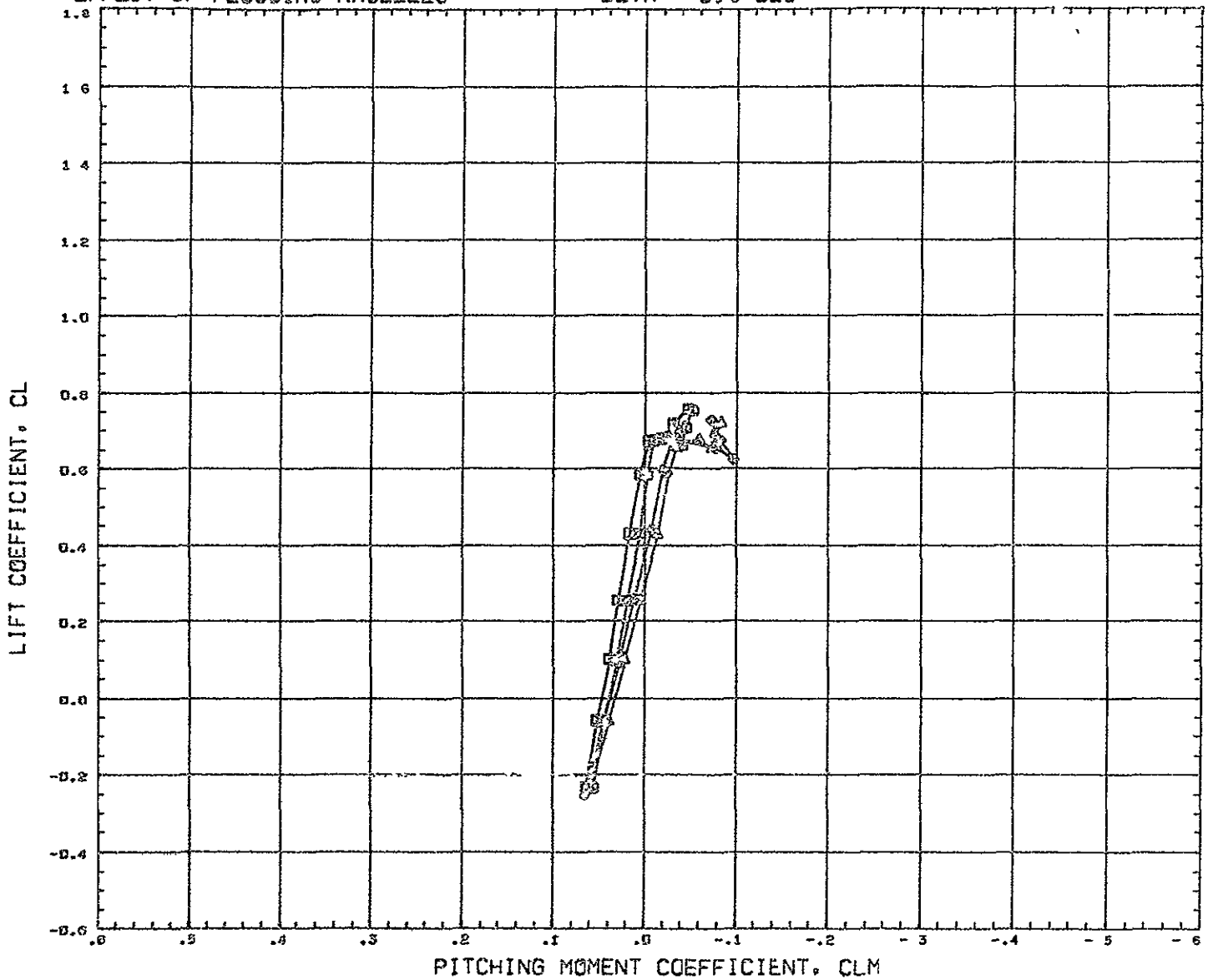


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PC6207)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR	REFS 0 1790 SQ FT
(PC6012)	NAAL 632 SSV-STR WING FORCE-NAC B5 N3 W10 H12 V5		REFL 15.7370 INCHES
(PC6052)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(PC6017)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

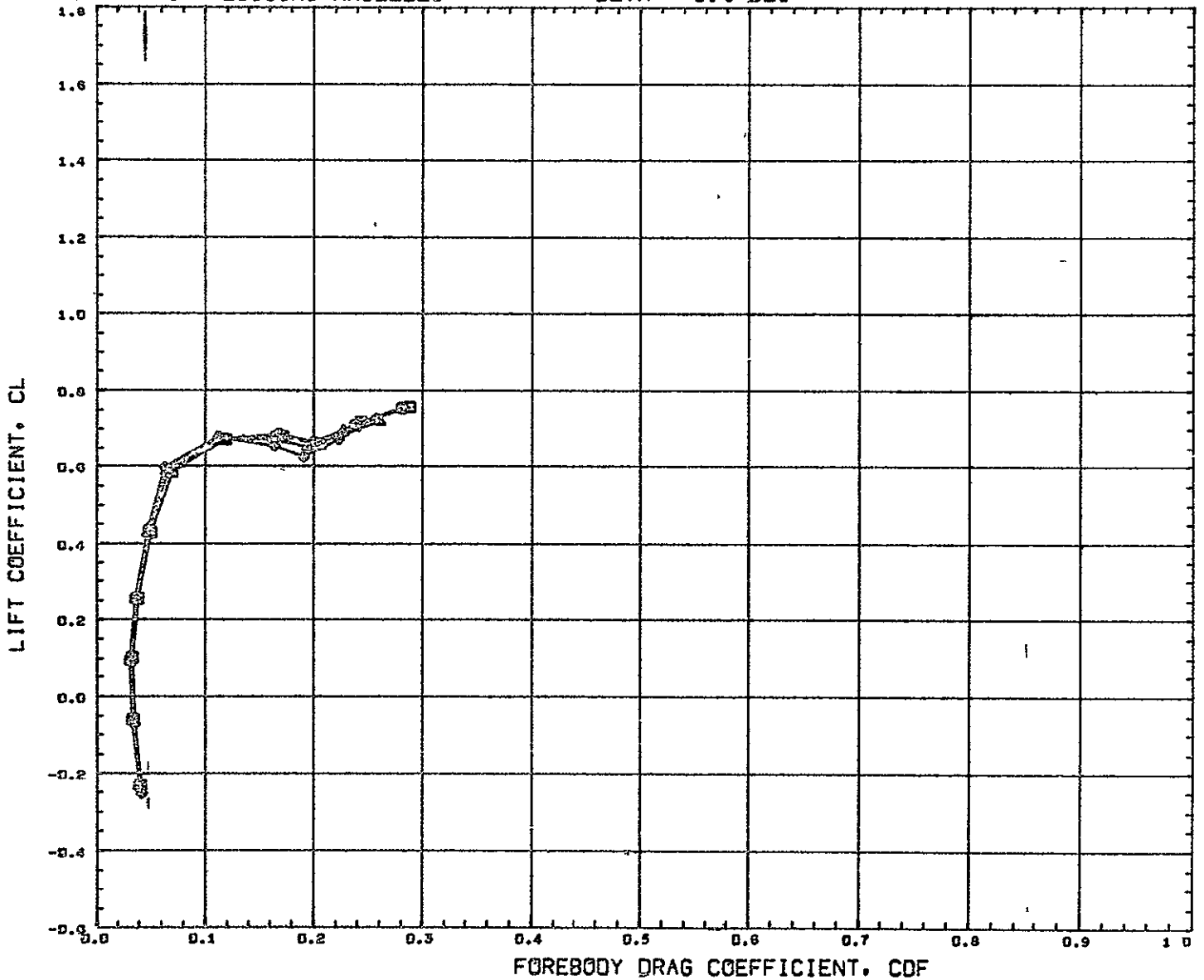


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG007)	NAAL 032 SSV-STP WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOP 0.000	REFS 0 1790 SQ FT
(RCG012)	NAAL 032 SSV-STP WING FORCE-NAC B6 N3 W10 H12 V5		PEFL 15 7370 INCHES
(RCG062)	NAAL 032 SSV-STP WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG017)	NAAL 032 SSV-STP WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8*00 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

BETA = 5.0 DEG

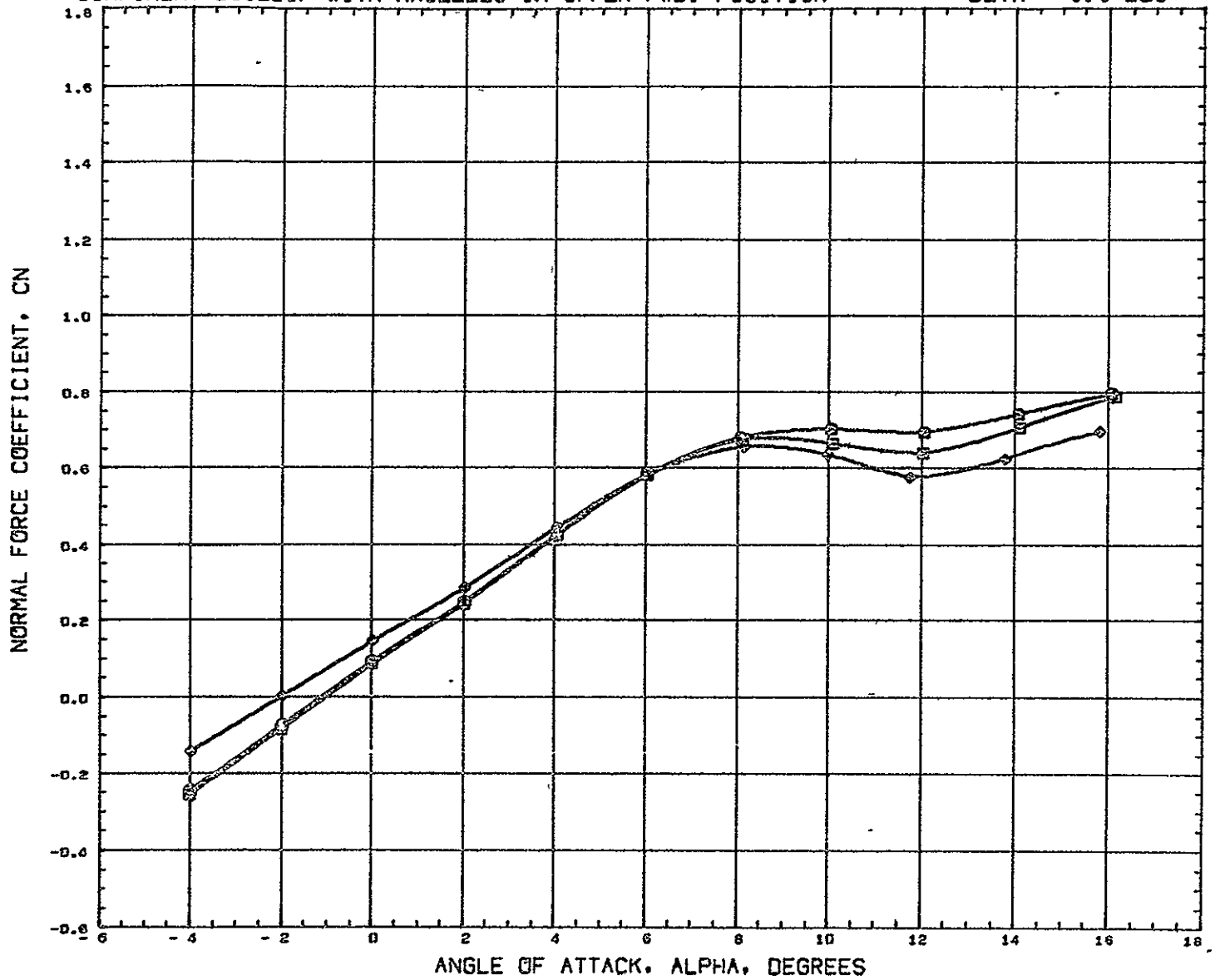


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
{RC6007}	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR 0.000	REFS 0.1790 SQ FT
{RC6012}	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15.7370 INCHES
{RC6032}	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11.3390 INCHES
{RC6017}	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		XMRP 9.8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP 0.3840 INCHES
			SCALE 0.0076 SCALE

HACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

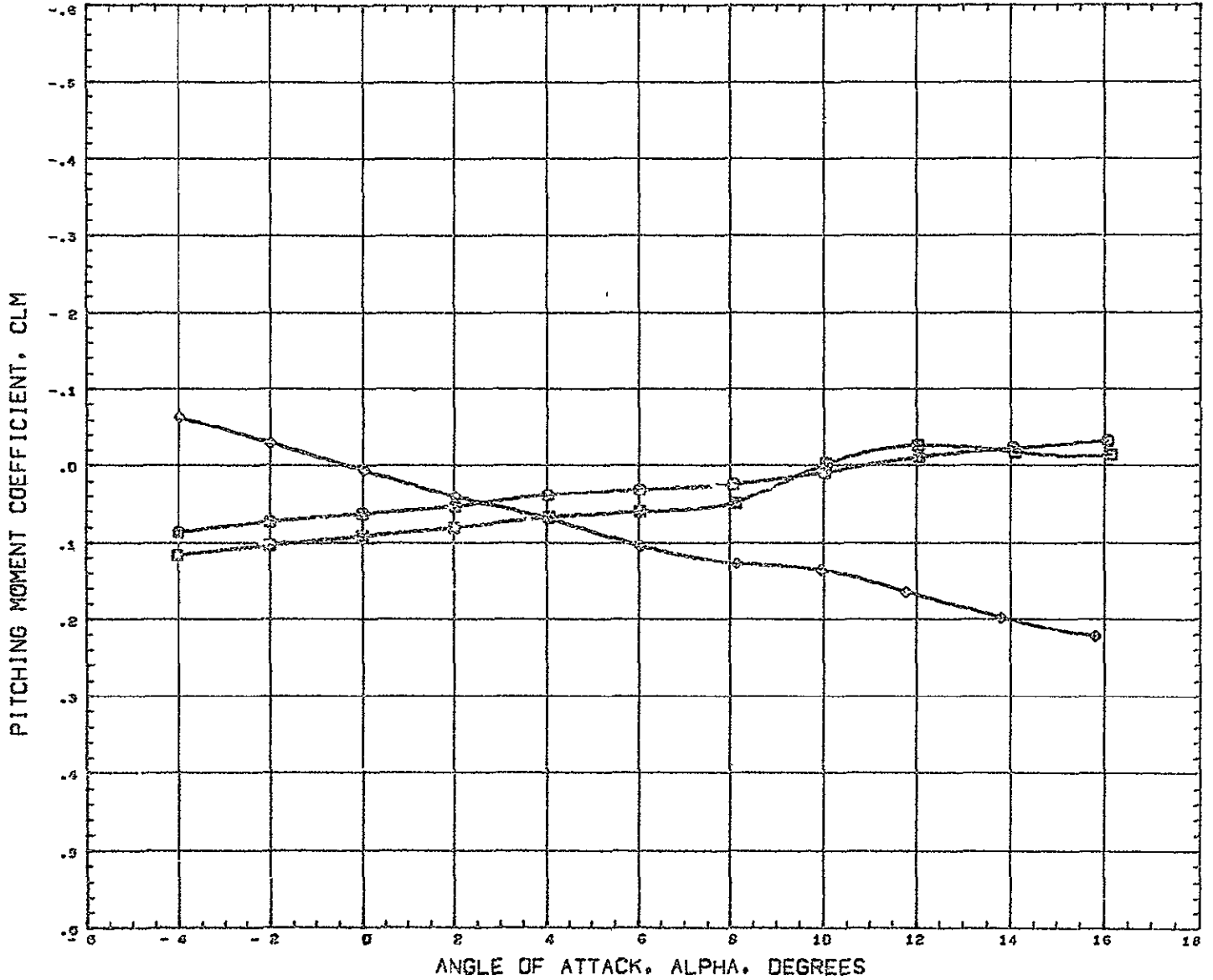


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6086)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0 1790 SQ.FT
(RC6089)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RC6081)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

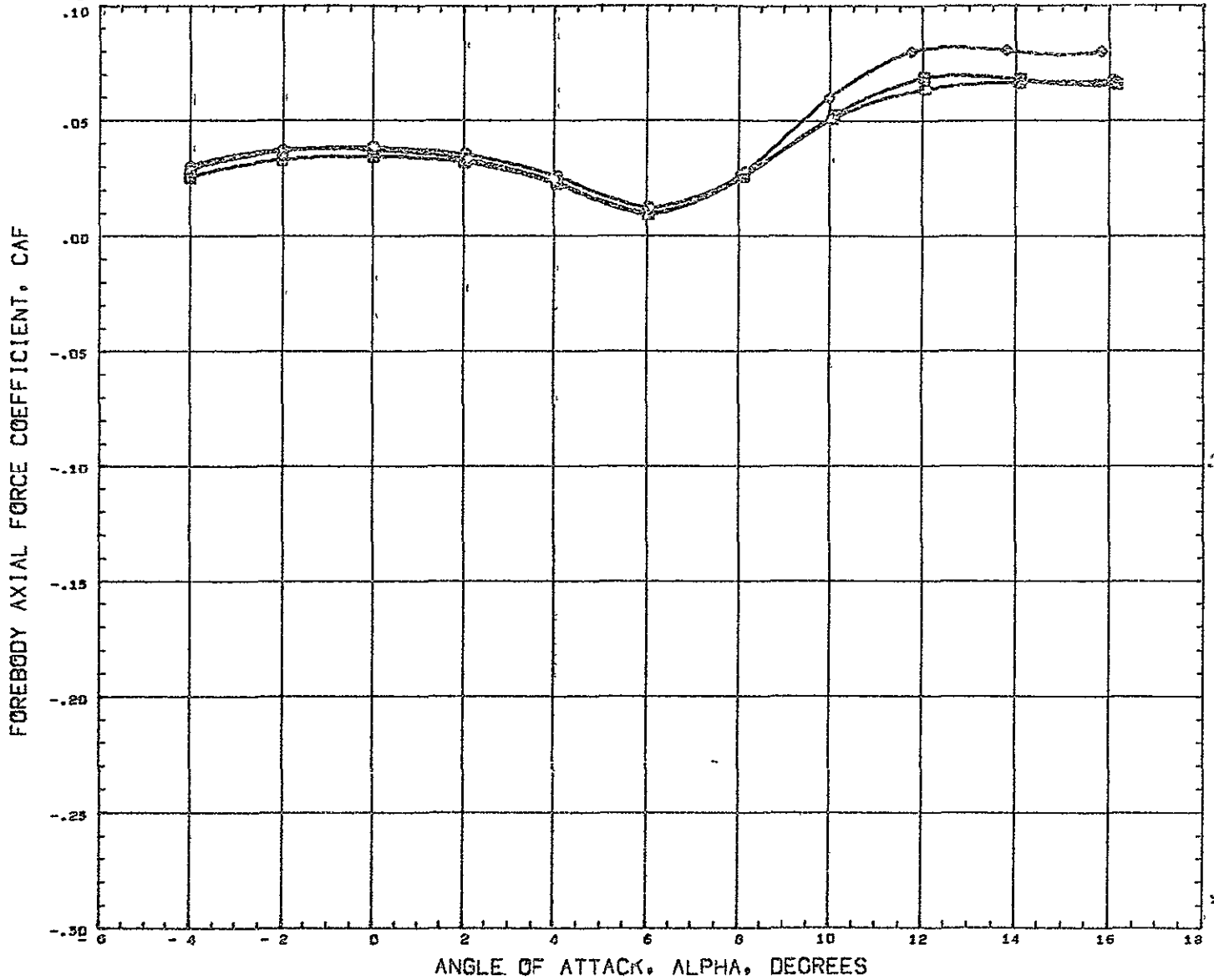


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6006)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0.000	REFS 0 1790 SQ FT
(RC6036)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RC6031)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.250

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG



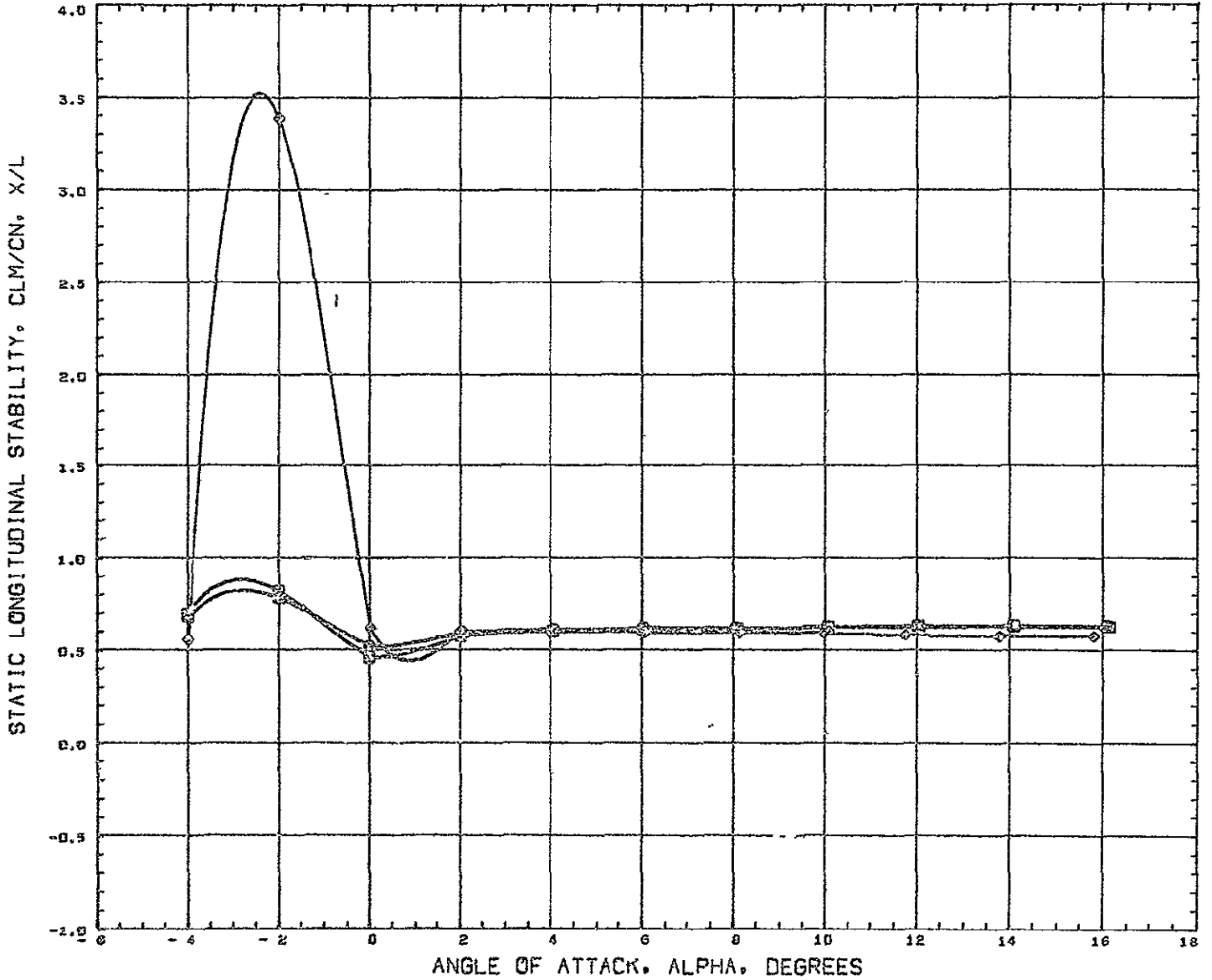
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PC0006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0 000 HOR	REFS 0 1790 SQ FT
(RC0036)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RC0051)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11.3390 INCHES
			XMRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

SECRET

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

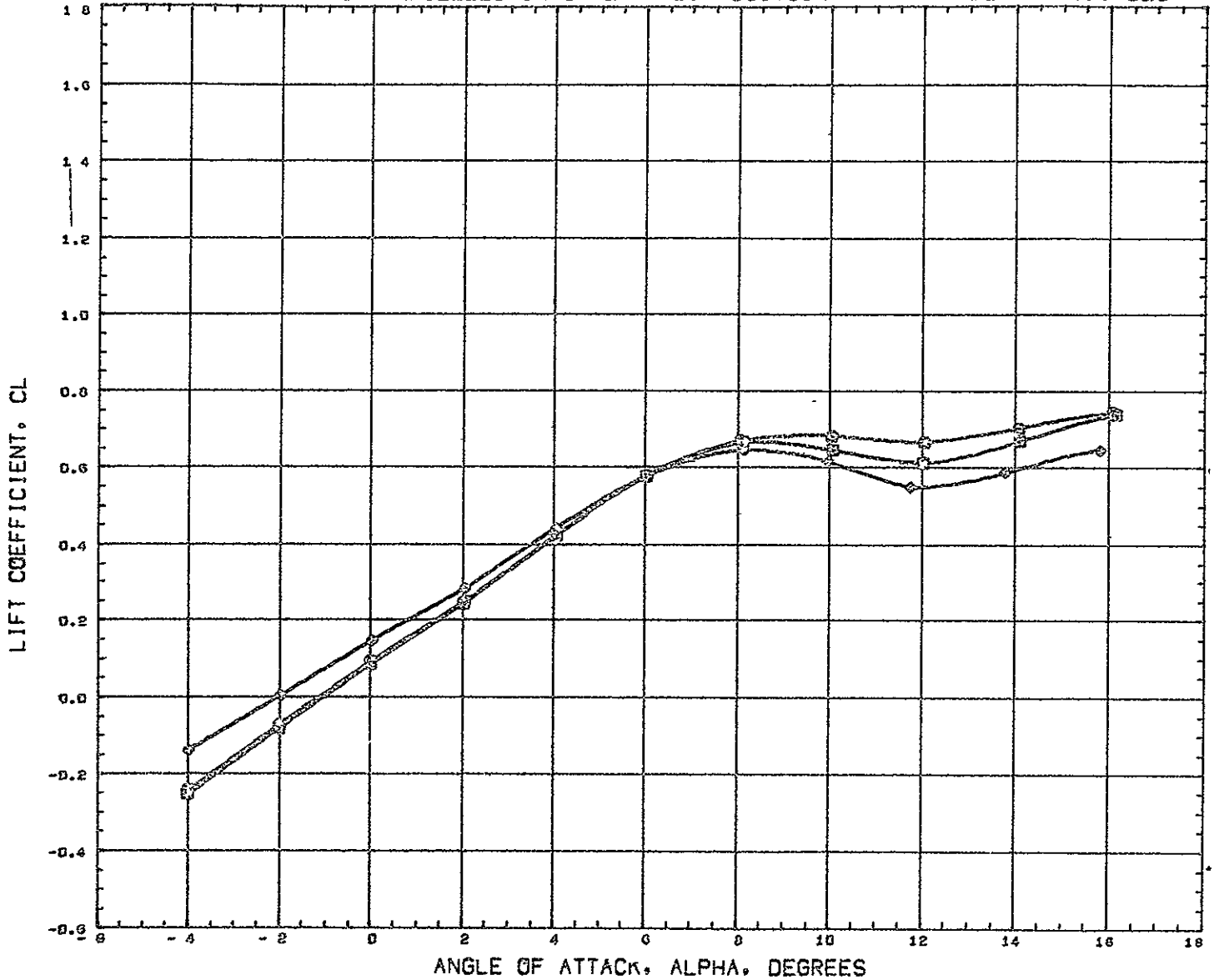


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCCG00)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0.000	REFS 0 1790 SQ FT
(RCCG03)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RCCG05)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG



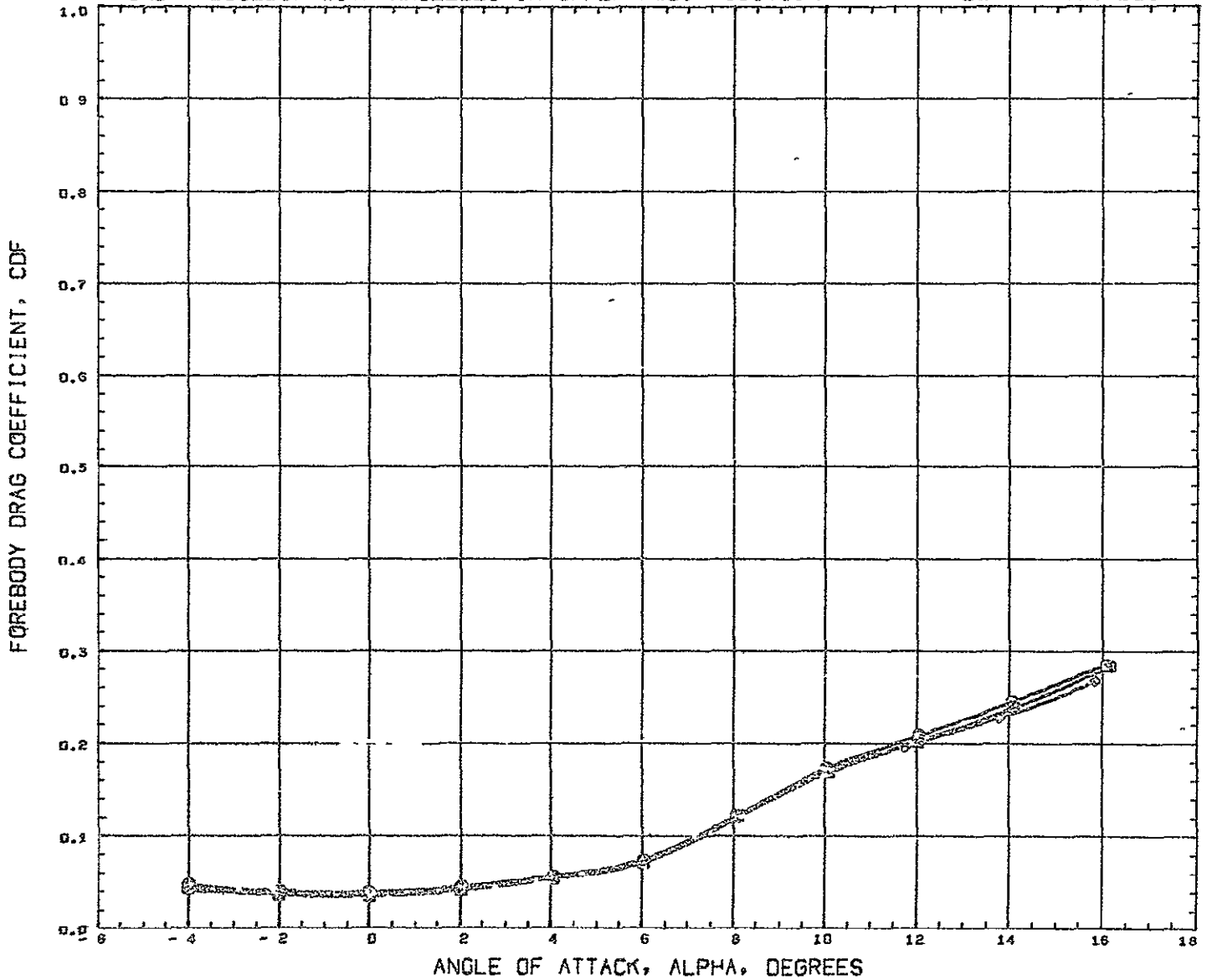
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG006)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5 BETA	0 000 HOR 0 000	REFS 0 1790 SQ FT
(RCG036)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RCG031)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZMRP 0 3640 INCHES
			SCALE 0 0076 SCALE

MACH 0.259



COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

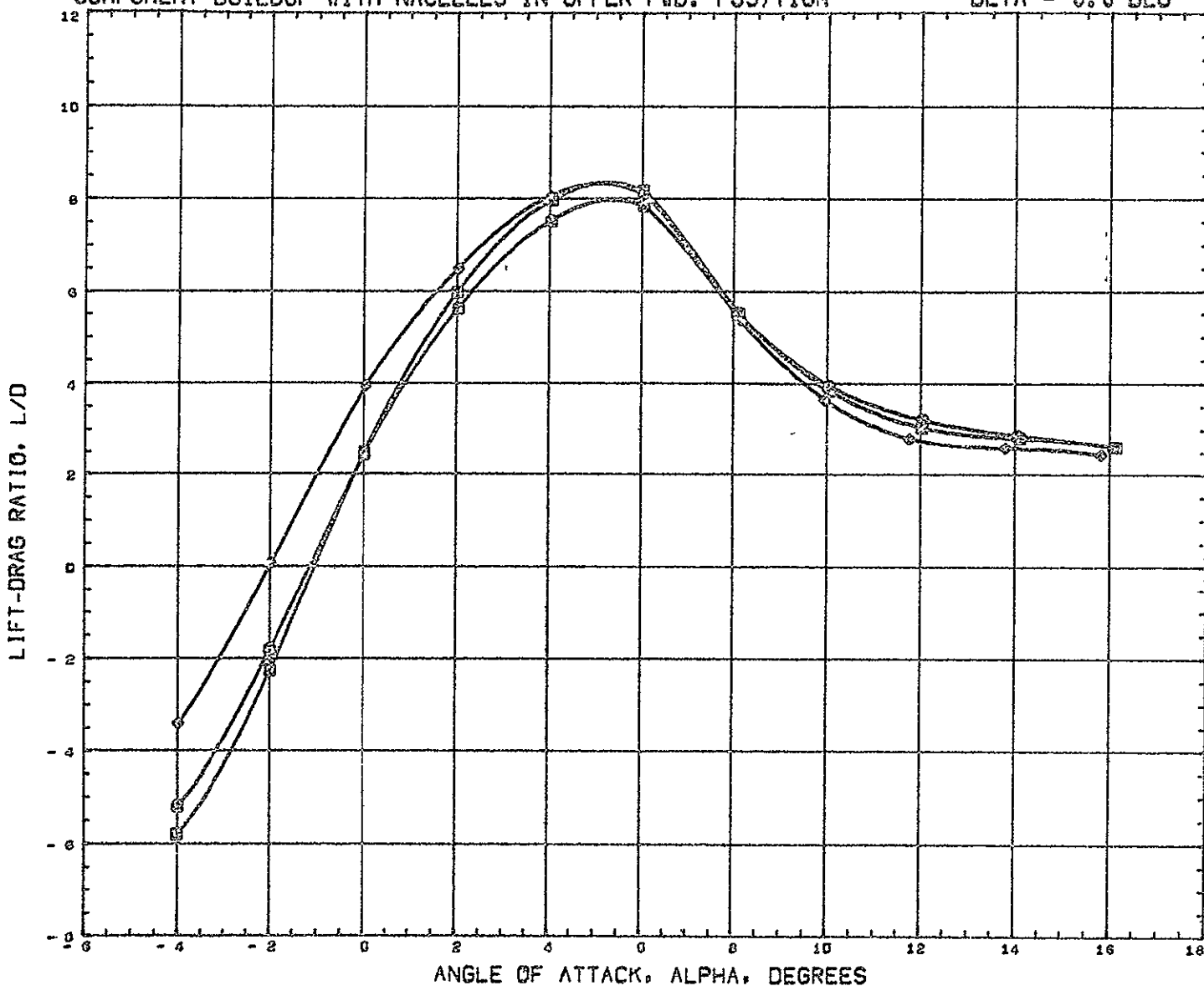


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5 BETA	0 000 HOR 0.000	REFS 0 1790 SQ FT
(PC0036)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RC0051)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XHPP 9 8100 INCHES
			YHPP 0 0000 INCHES
			ZHPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

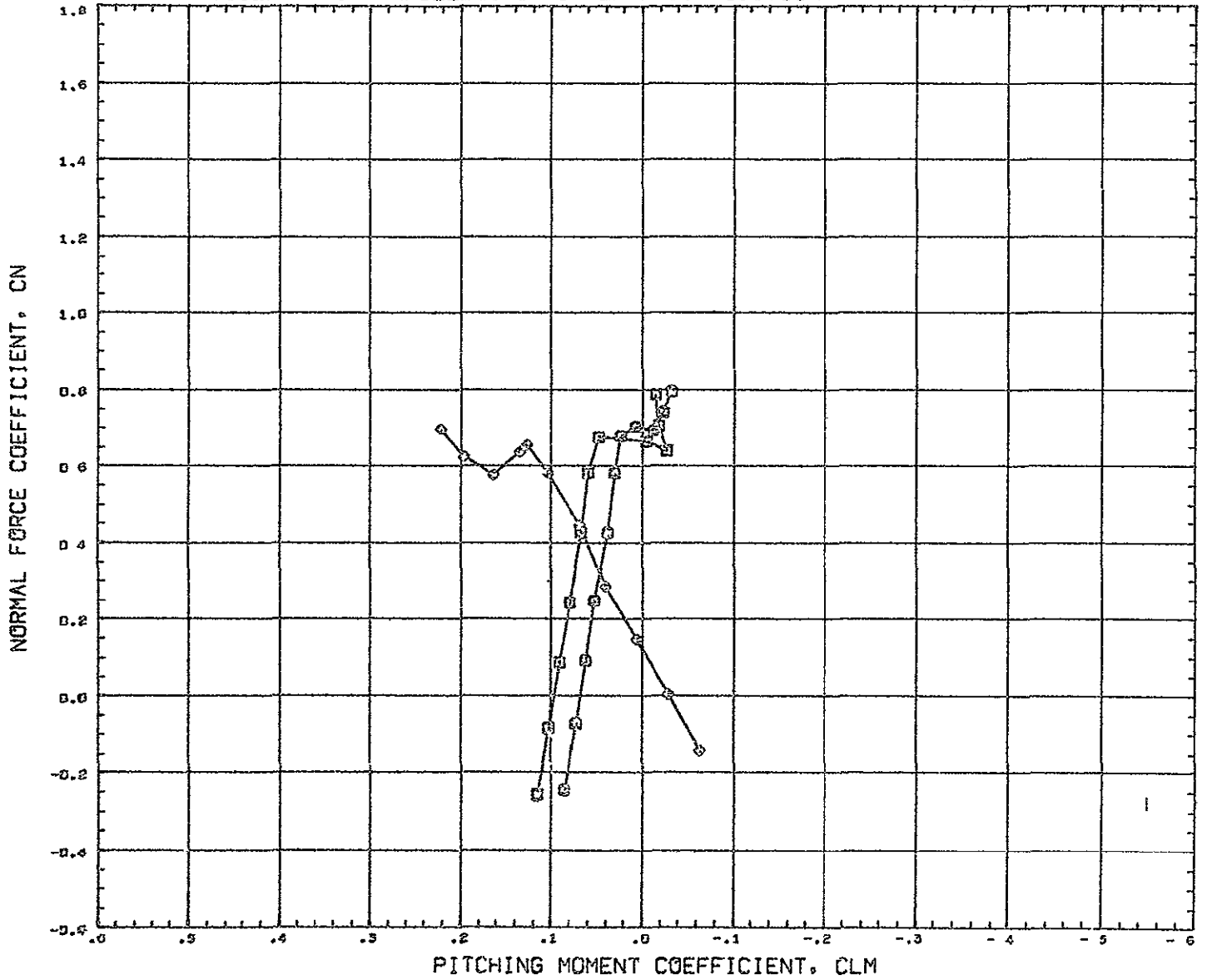


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6008)	HAAL 632 05V-STR WING FORCE-MAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0.1790 SQ.FT.
(RC6036)	HAAL 632 05V-STR WING FORCE-MAC B6 W10 H2 H12		REFL 15.7370 INCHES
(RC6051)	HAAL 632 05V-STR WING FORCE-MAC B6 N2 W10 V5		REFB 11.3550 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0.3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

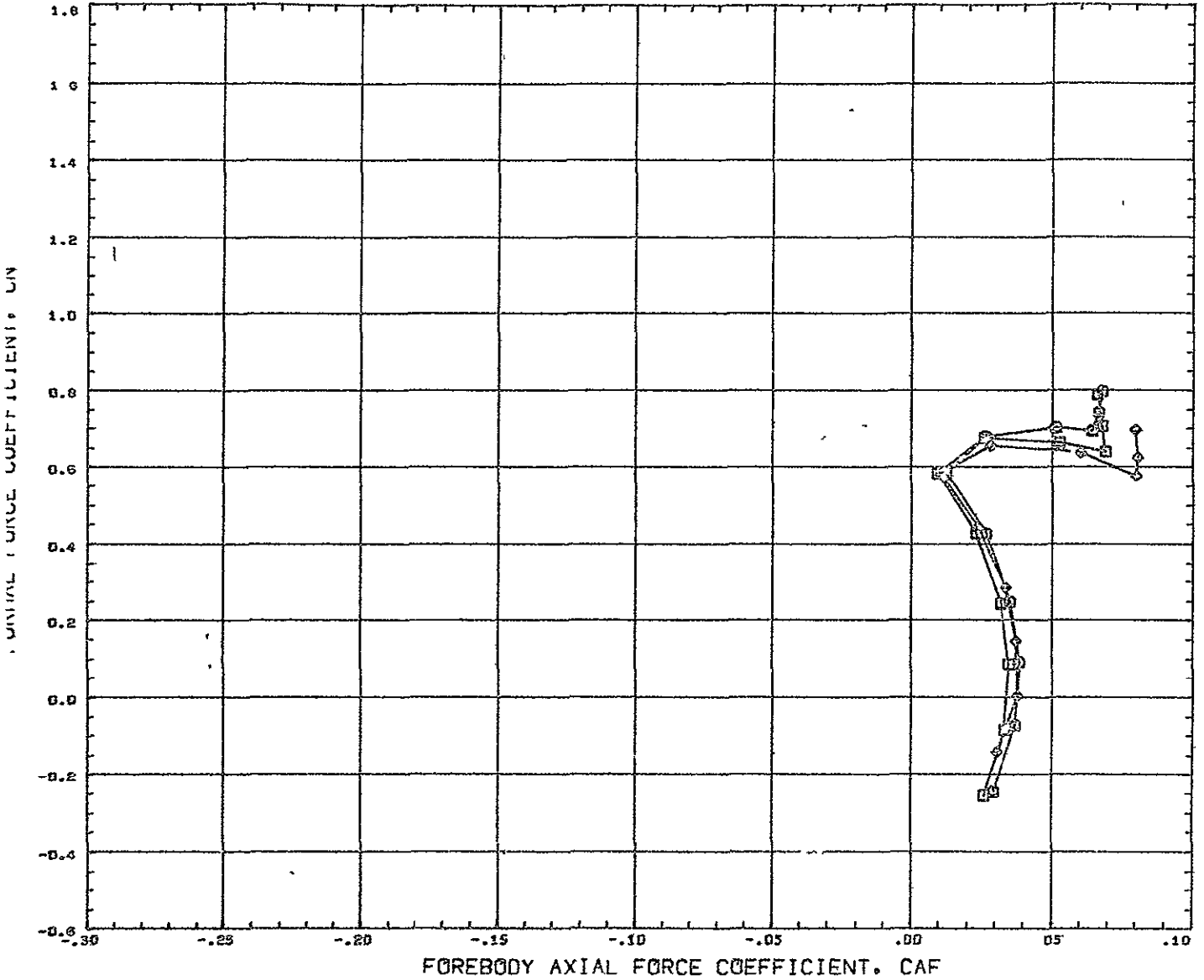


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG005)	NAAL 632 SSV-STP WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0 1790 SQ FT
(RCG036)	NAAL 632 SSV-STR WING FORCE-NAC B6 H10 H2 H12		REFL 15 7370 INCHES
(RCG091)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG



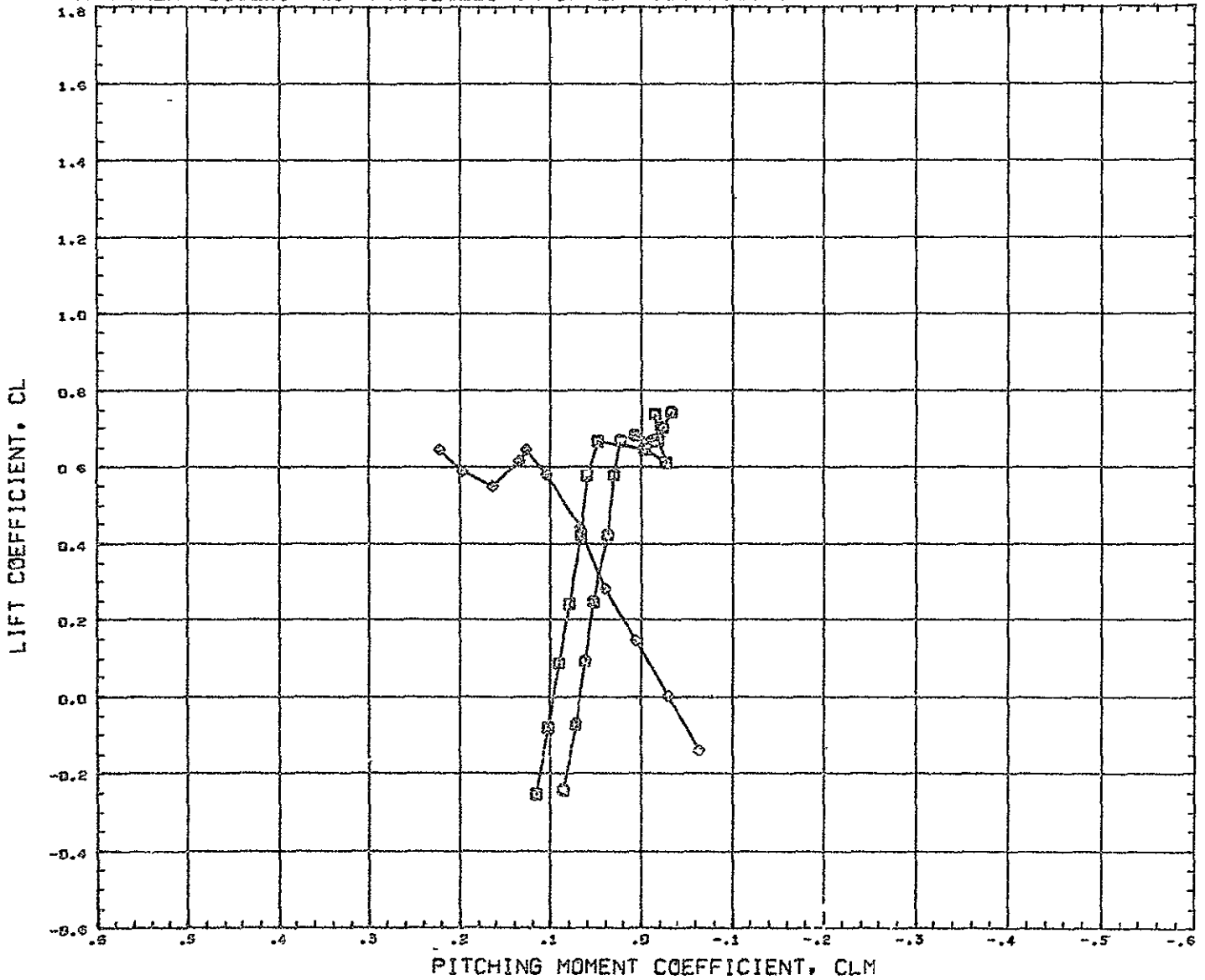
ATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
RC6006)	NAAL 632 SSV-STR WING FORCE-NAC B6 H2 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
RC6036)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H2 H12		PEFL 15 7370 INCHES
RC6051)	NAAL 632 SSV-STP WING FORCE-NAC B6 H2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259



COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

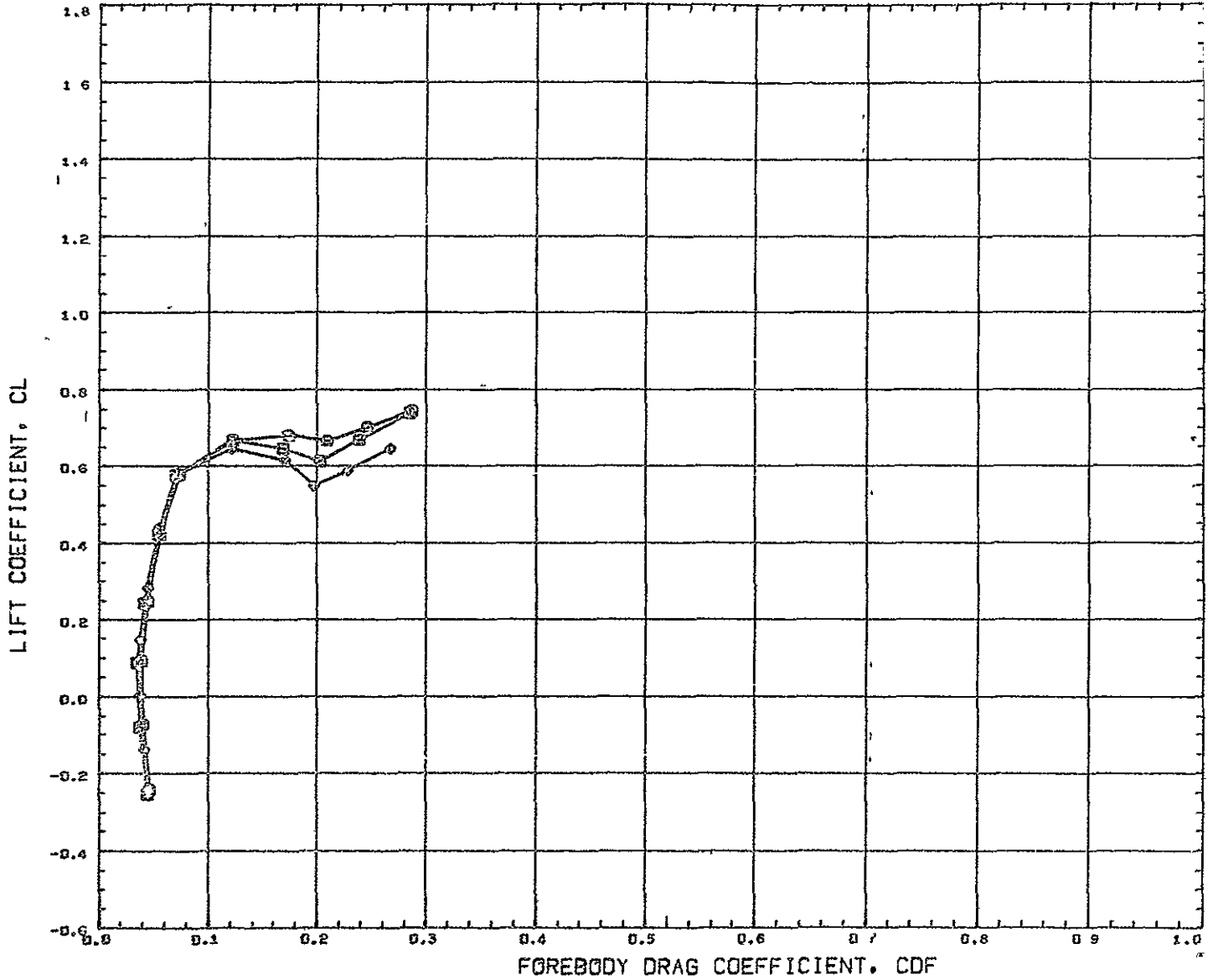


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6006)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 WID H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ.FT
(RC6036)	HAAL 632 SSV-STR WING FORCE-NAC B6 WID N2 H12		REFL 15 7370 INCHES
(RC6051)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 WID V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 0.0 DEG

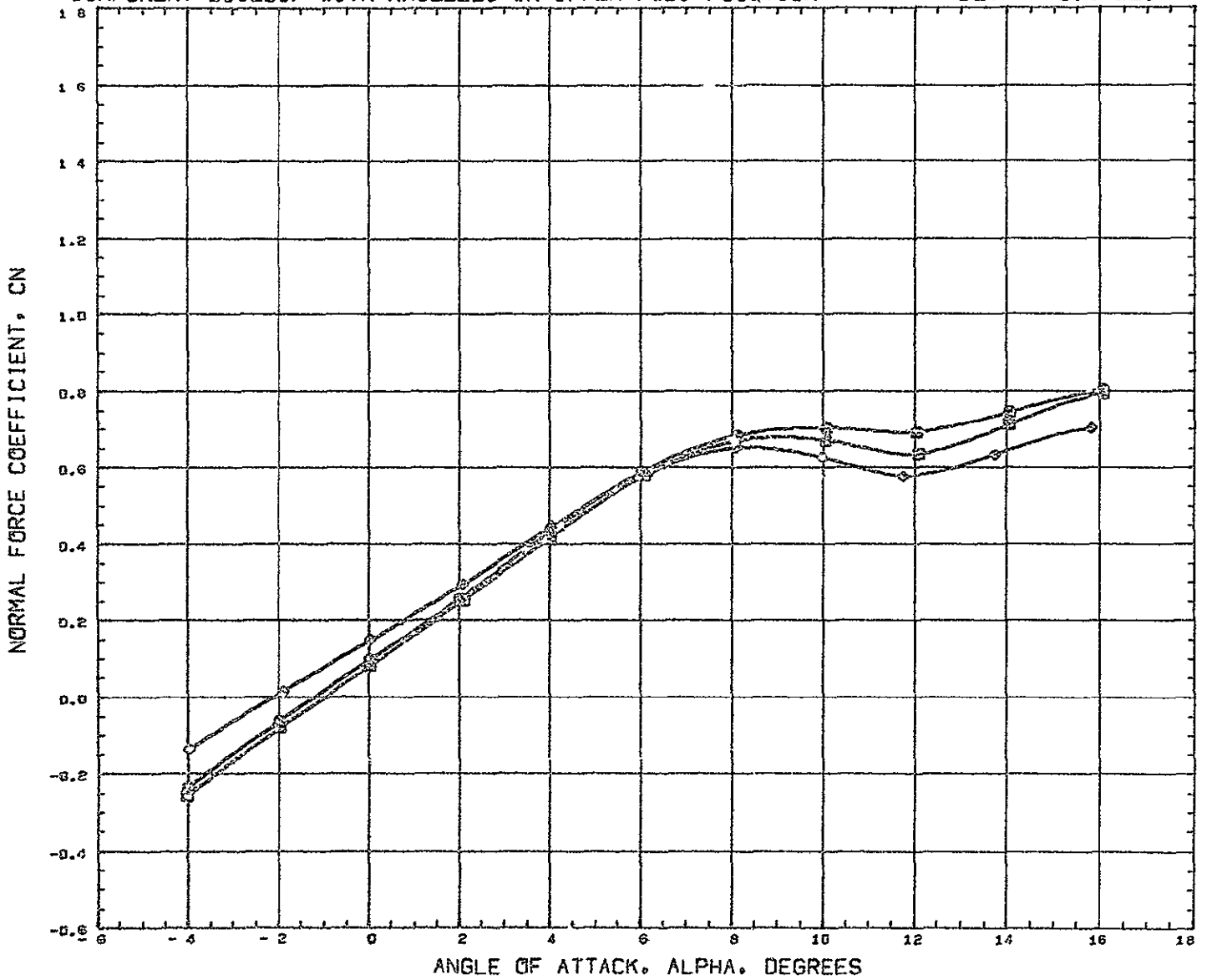


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PAPANETPIC VALUES	REFERENCE INFORMATION
(RC6006)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0 1790 SQ FT
(RC6036)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 N2 H12		REFL 15 7370 INCHES
(RC6051)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 5390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

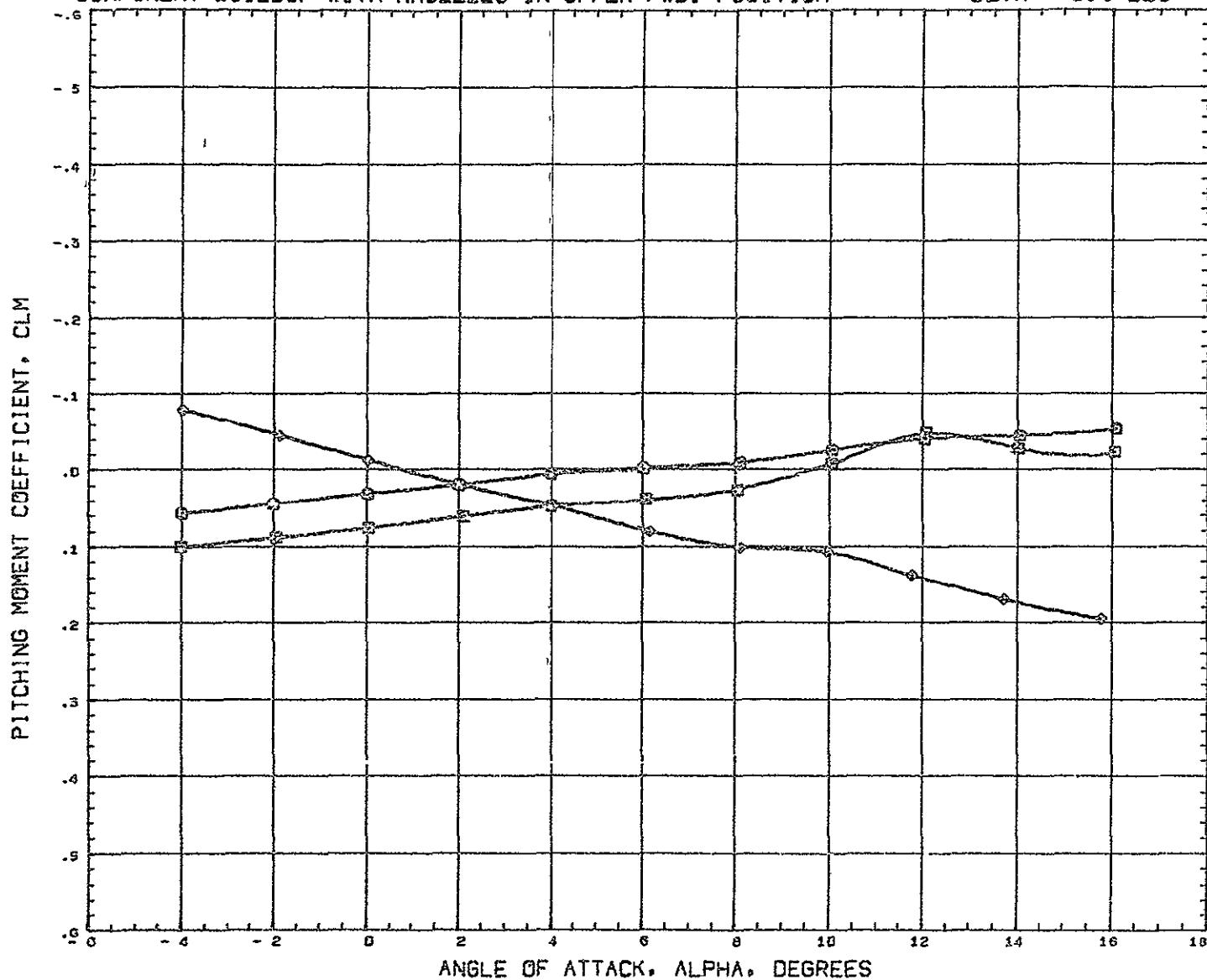


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC007)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12 V5	BETA 5 000 HOR	REFS 0 1790 SQ FT
(RCC037)	NAAL 632 SSV-STR WING FORCE-MAC B8 N2 W10 H12		REFL 15 7370 INCHES
(RCC052)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3880 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

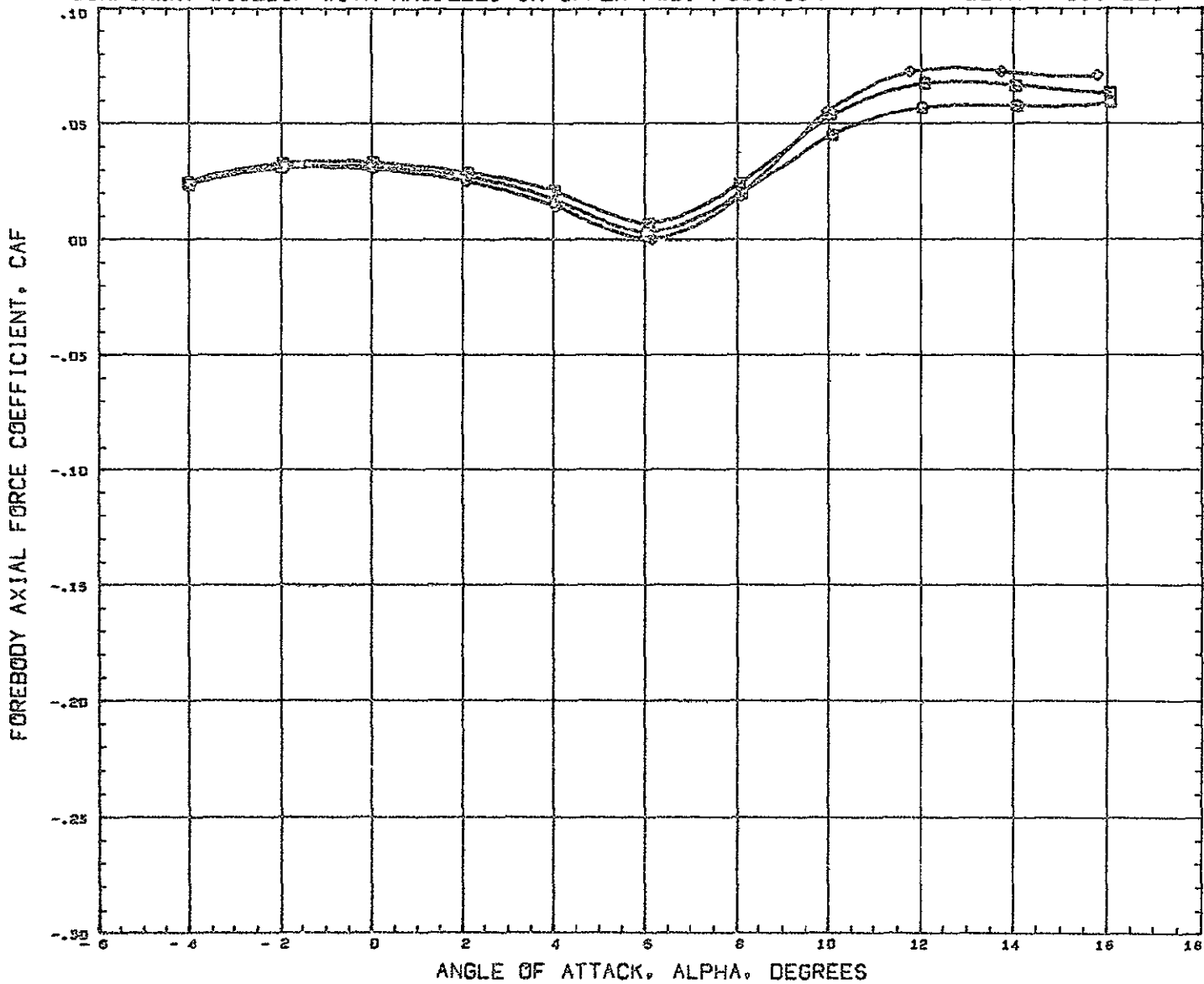


DATA SET SYM	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG007)	NAAL 632 SSV-STP WING FORCE-NAC B5 N2 W10 H12 V5	BETA 5.000 HOR	0 000 REFS 0 1790 SQ FT
(RCG037)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12		PEFL 15 7370 INCHES
(RCG052)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZNPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

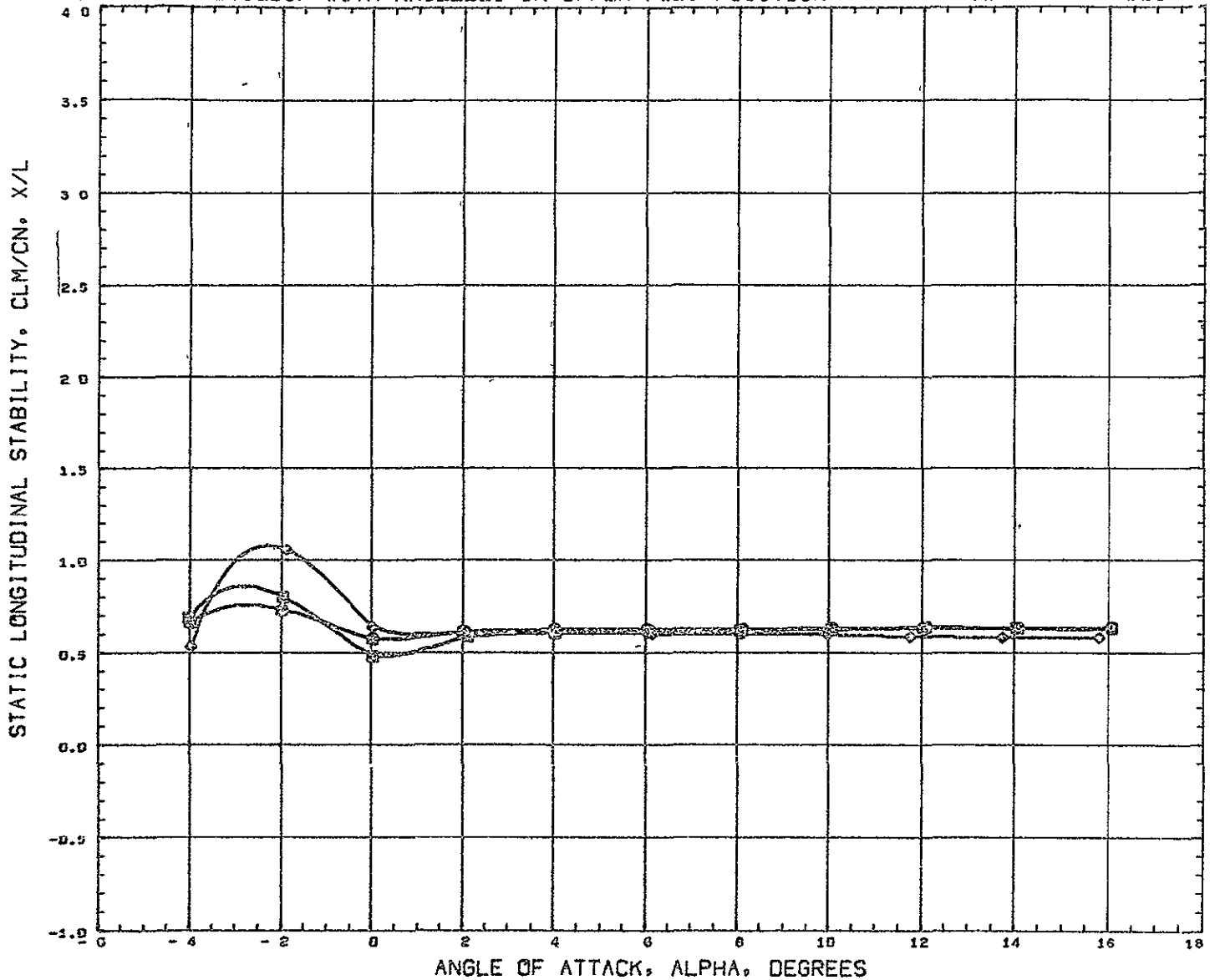


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC007)	MAAL 032 SSV-STR WING FORCE-NAC B6 M2 W10 H12 V5	BETA 5.000 HOR	0.000
(RCC037)	MAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12		
(RCC052)	MAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 V5		
			REFS 0 1790 SQ FT
			REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 6400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3640 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG



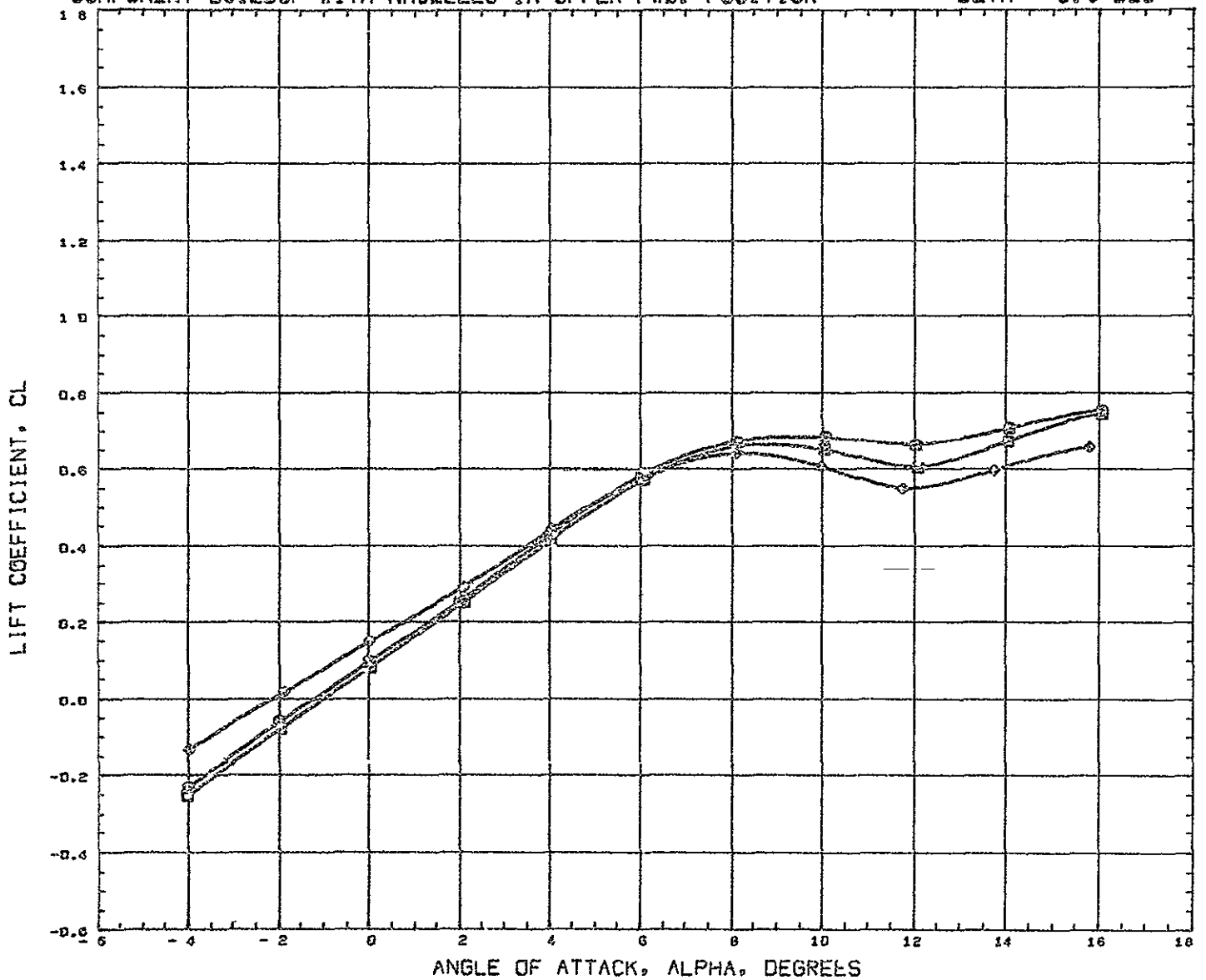
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0007)	□ NAAL 632 SSV-STP WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR	0.000
(RC0037)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12		
(RC0032)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		

REFERENCE INFORMATION	VALUE	UNIT
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH	0.250
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COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

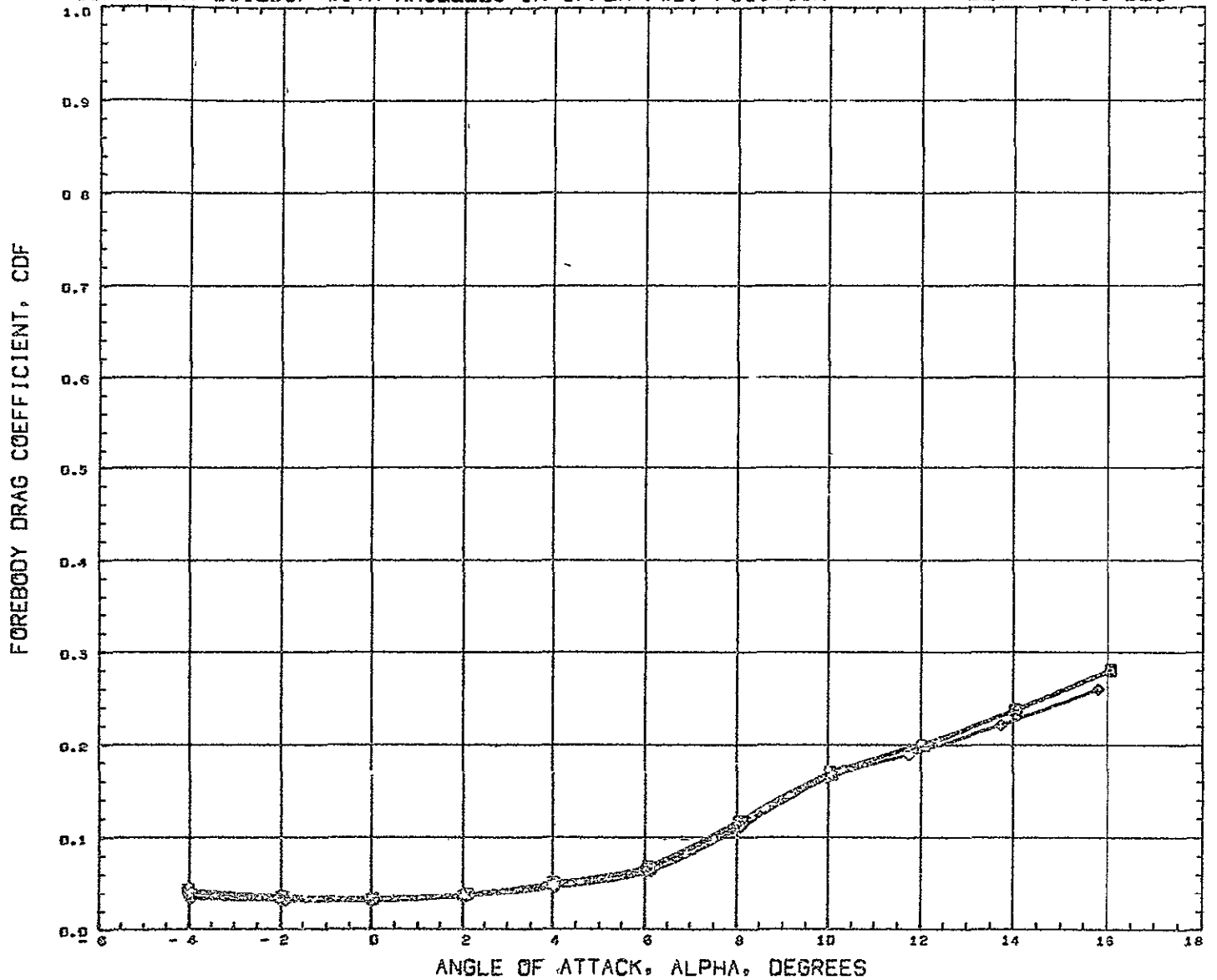


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6007)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOR 0.000	REFS 0 1790 SQ FT
(RC6037)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12		REFL 15 7370 INCHES
(RC6052)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

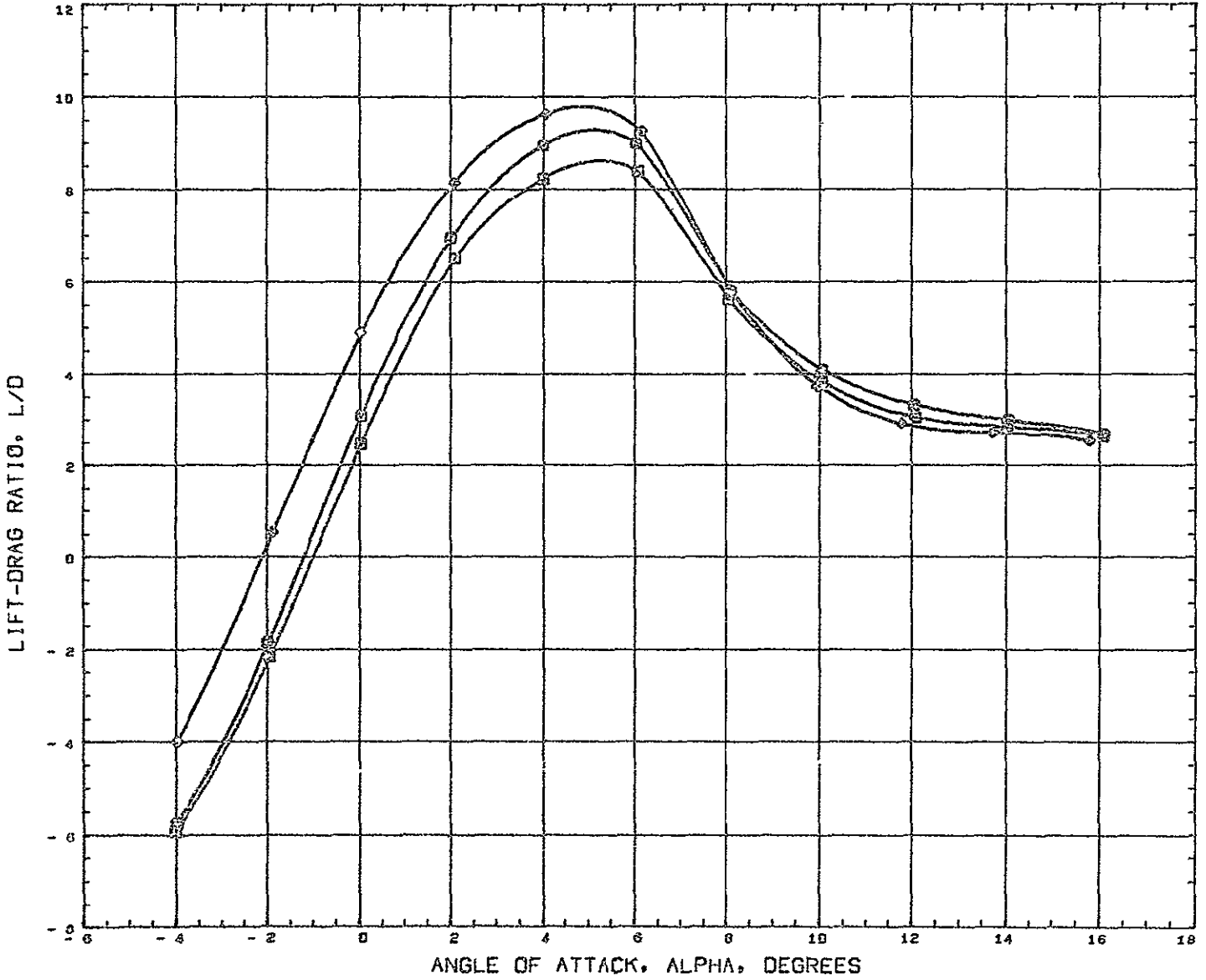


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PCG007)	HAAL 632 SSV-STR WING FORCE-NAC B5 N2 W10 H12 V5	BETA 5 000 HOR G 000	REFS 0 1790 SQ FT
(RCG037)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12		REFL 15 7370 INCHES
(RCG052)	HAAL 632 SSV-STR WING FORCE-NAC B8 N2 W10 V5		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

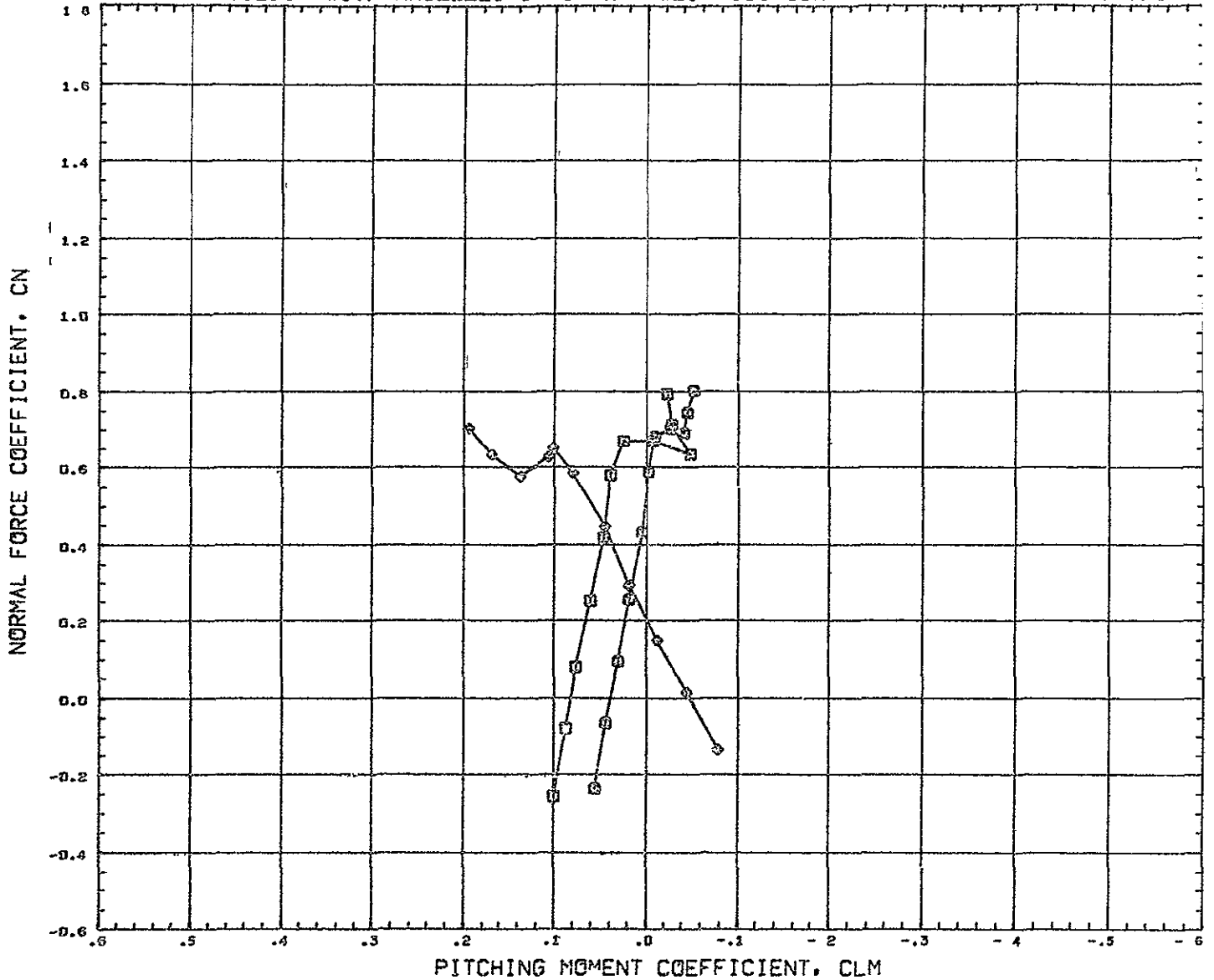


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6007)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V3	BETA 3 000 HOR	REFS 0 1790 SQ FT
(RC6037)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12		REFL 15 7370 INCHES
(RC6032)	MAAL 632 SSV-STR WING FORCE-NAC B8 N2 W10 V3		REFB 11 3390 INCHES
			XNRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZNRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

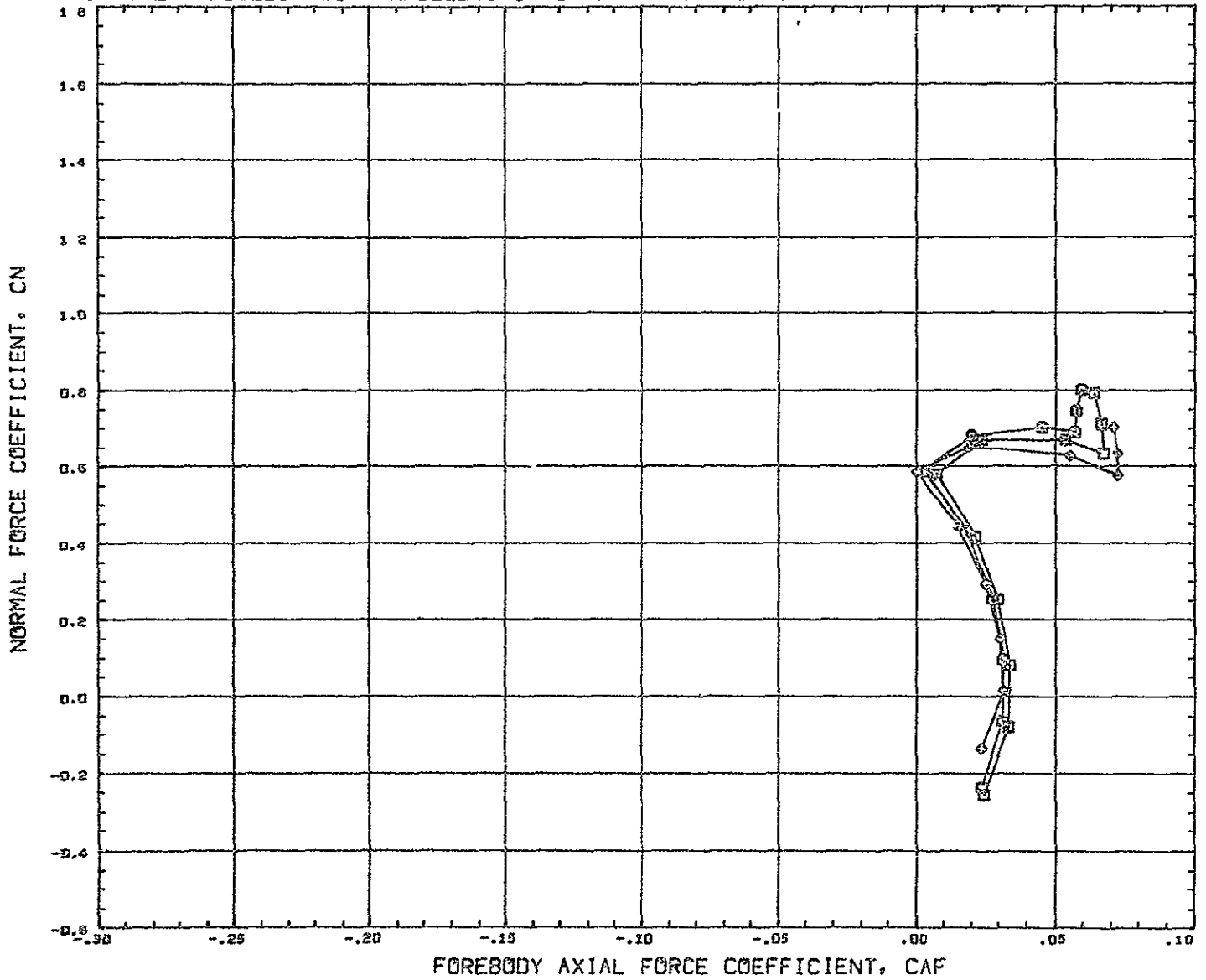


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6057)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5 000 HOP 0 000	PEFS 0 1790 SQ FT
(RC6037)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12		REFL 15 7370 INCHES
(RC6032)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

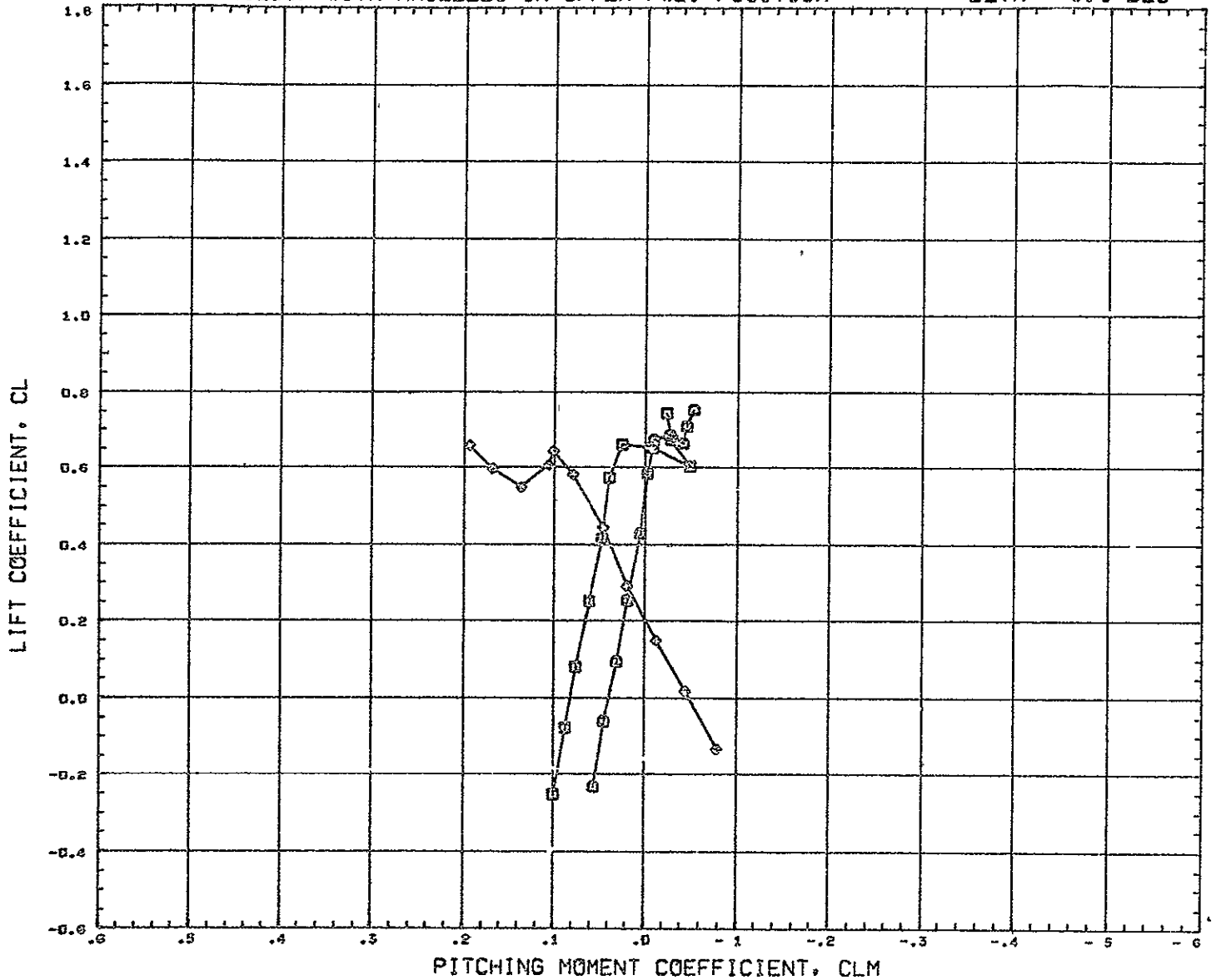


DATA SET SYMBOL	CONFIGURATICN DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG007)	NAAL 032 SSV-STR WING FORCE-PAC B6 N2 W10 H12 V5	BETA 5.000 HOR 0.000	REFS 0 1790 SQ FT
(RCG037)	NAAL 032 SSV-STR WING FORCE-NAC B0 N2 W10 H12		REPL 15.7370 INCHES
(RCG052)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

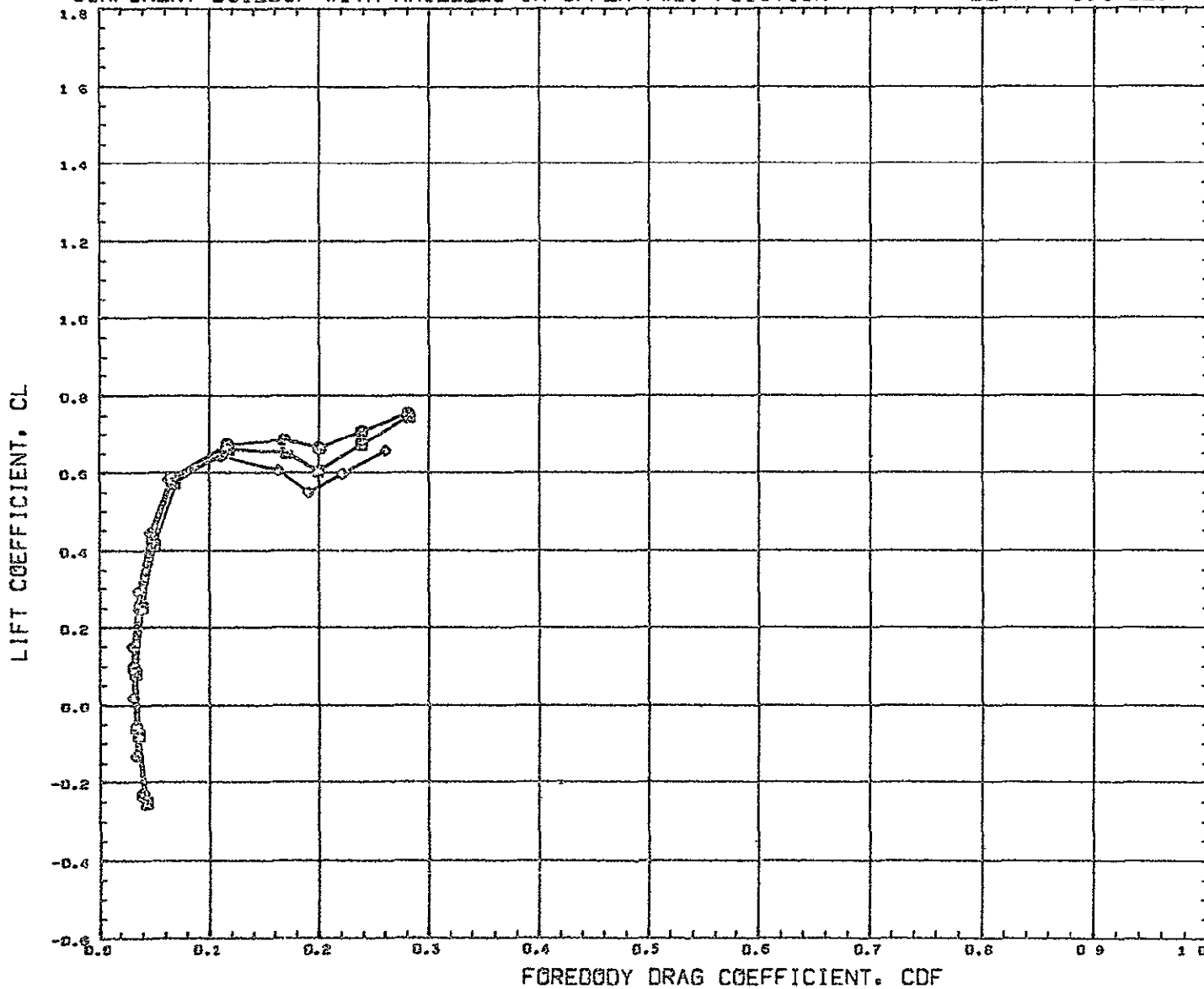


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6007)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	BETA 5.000 HOP 0.000	REFS 0.1790 SQ FT
(RC6037)	◇ NAAL 632 SS/-STR WING FORCE-NAC B6 N2 W10 H12		REFL 15.7370 INCHES
(RC6052)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5		REFB 11.3390 INCHES
			XHRF 9.8400 INCHES
			YHRF 0.0000 INCHES
			ZHRF 0.3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER FWD. POSITION

BETA = 5.0 DEG

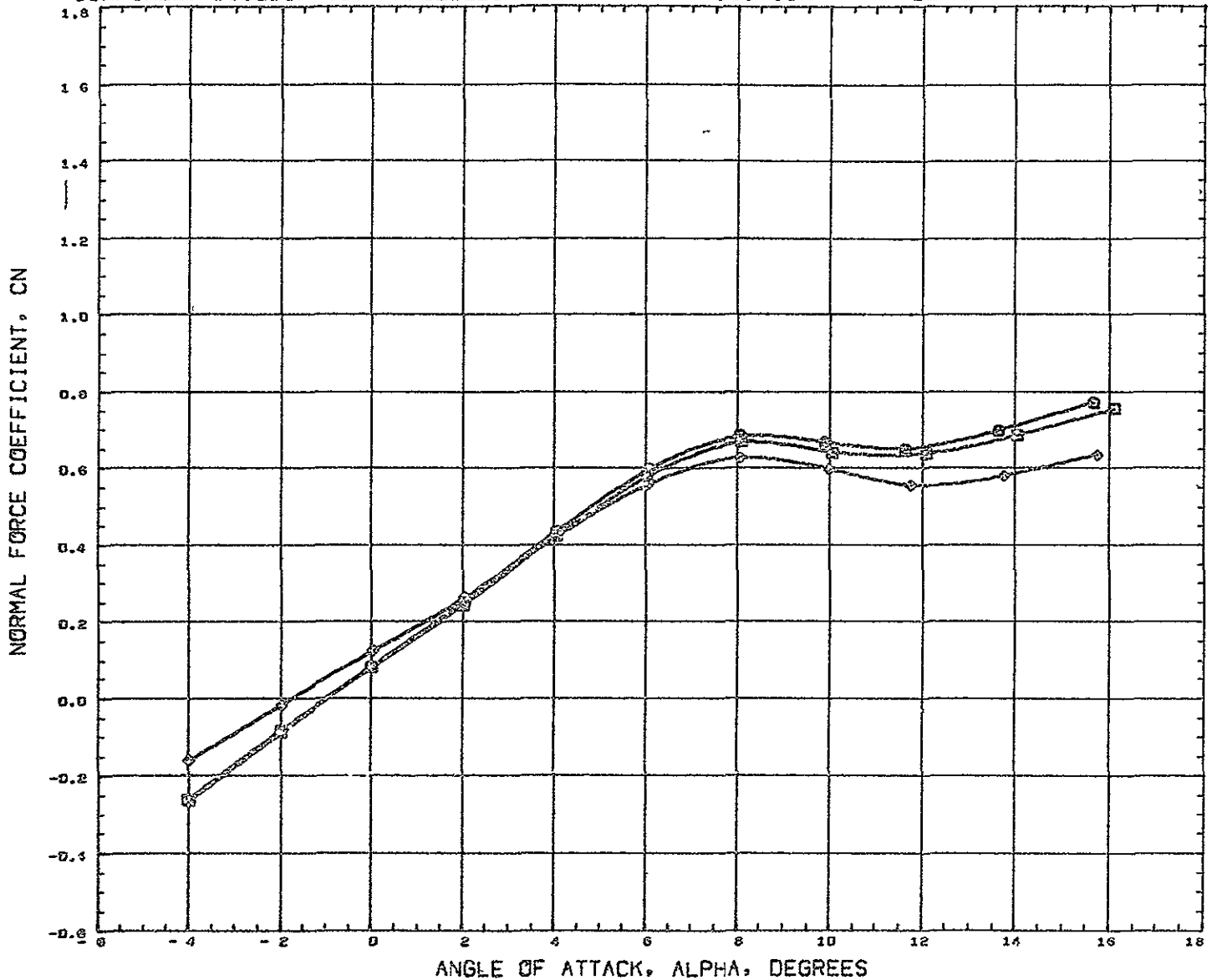


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6007)	N1AL 632 SSV-STR WING FORCE-NAC B6 N2 W1R H12 V5	BETA 5.000 HOR	PEFS 0 1790 SQ FT
(RC6057)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W1D H12		REFL 15 7370 INCHES
(RC6052)	NAAL 632 SSV-STR WING FORCE-NAC B5 N2 W1D V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

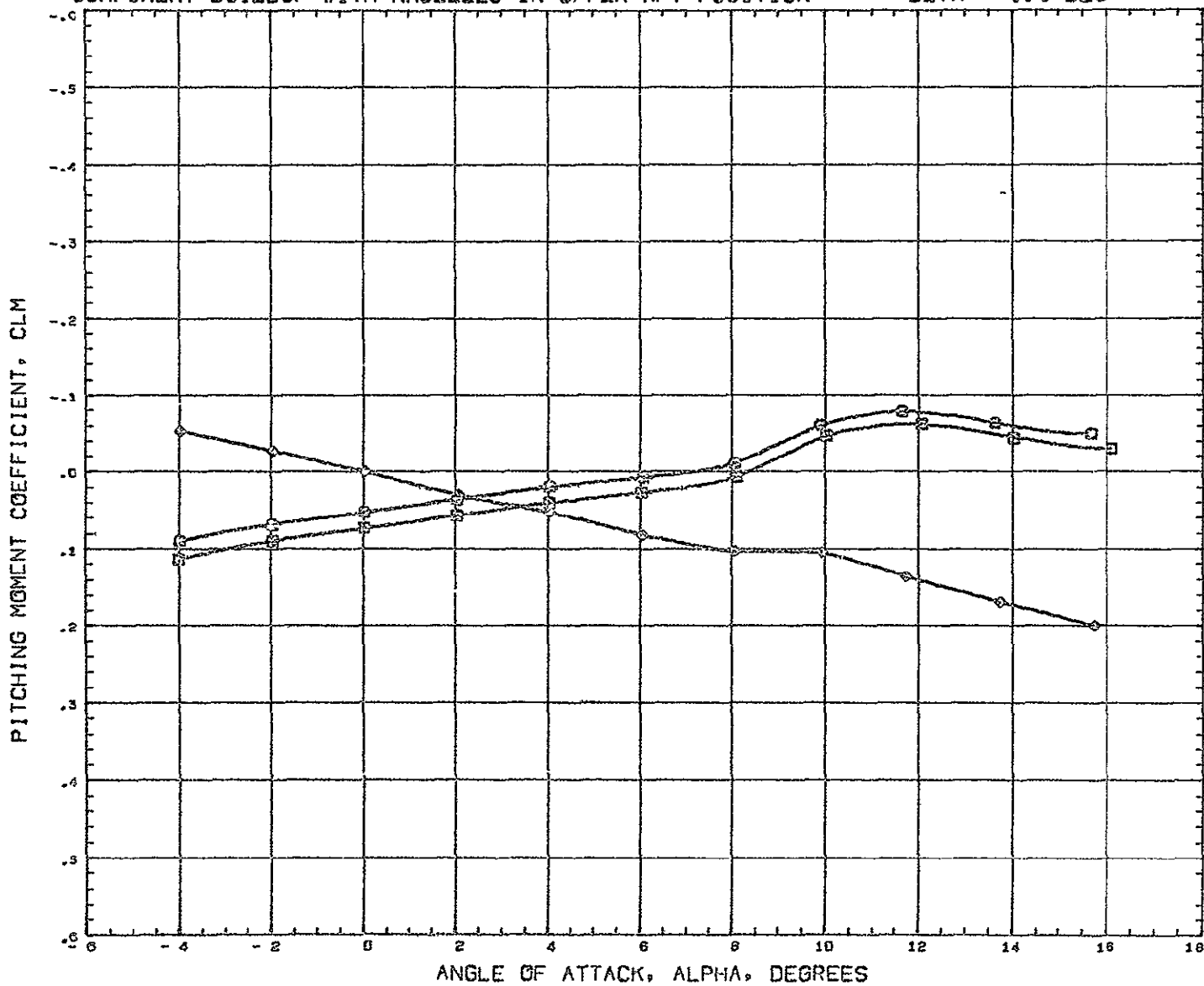


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6081)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5 SETA	0 000 HOR	0 000
(RC6041)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFS 0 1790 SQ FT
(RC6050)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V3		REFL 15 7370 INCHES *
			REFB 11 3390 INCHES
			XMRP 9 0400 INCHES -
			YMRP 0 0000 INCHES
			ZMPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

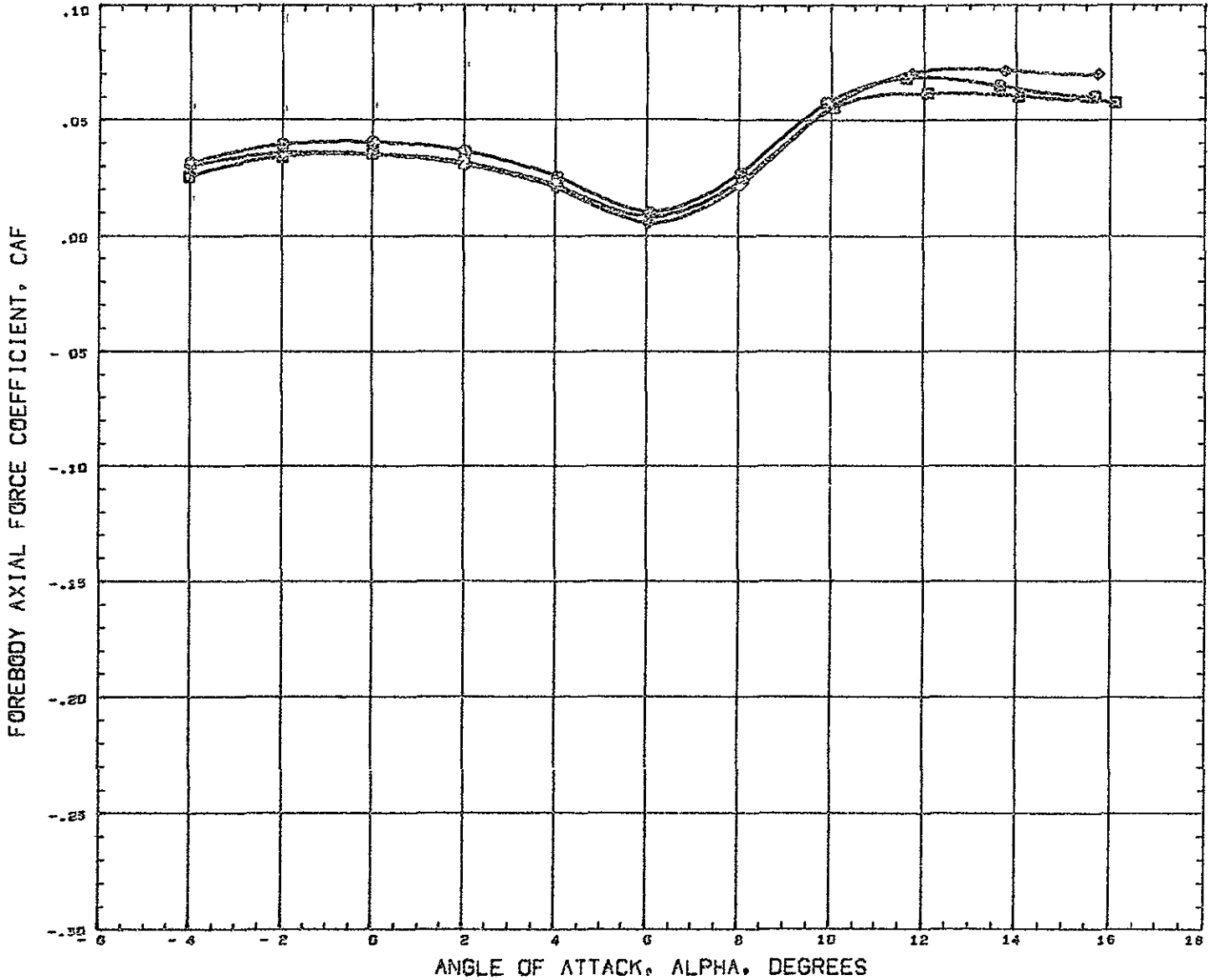


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6081)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 0.000 HOR 0 000	REFS 0.1790 SQ FT
(RC6041)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RC6036)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0.3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

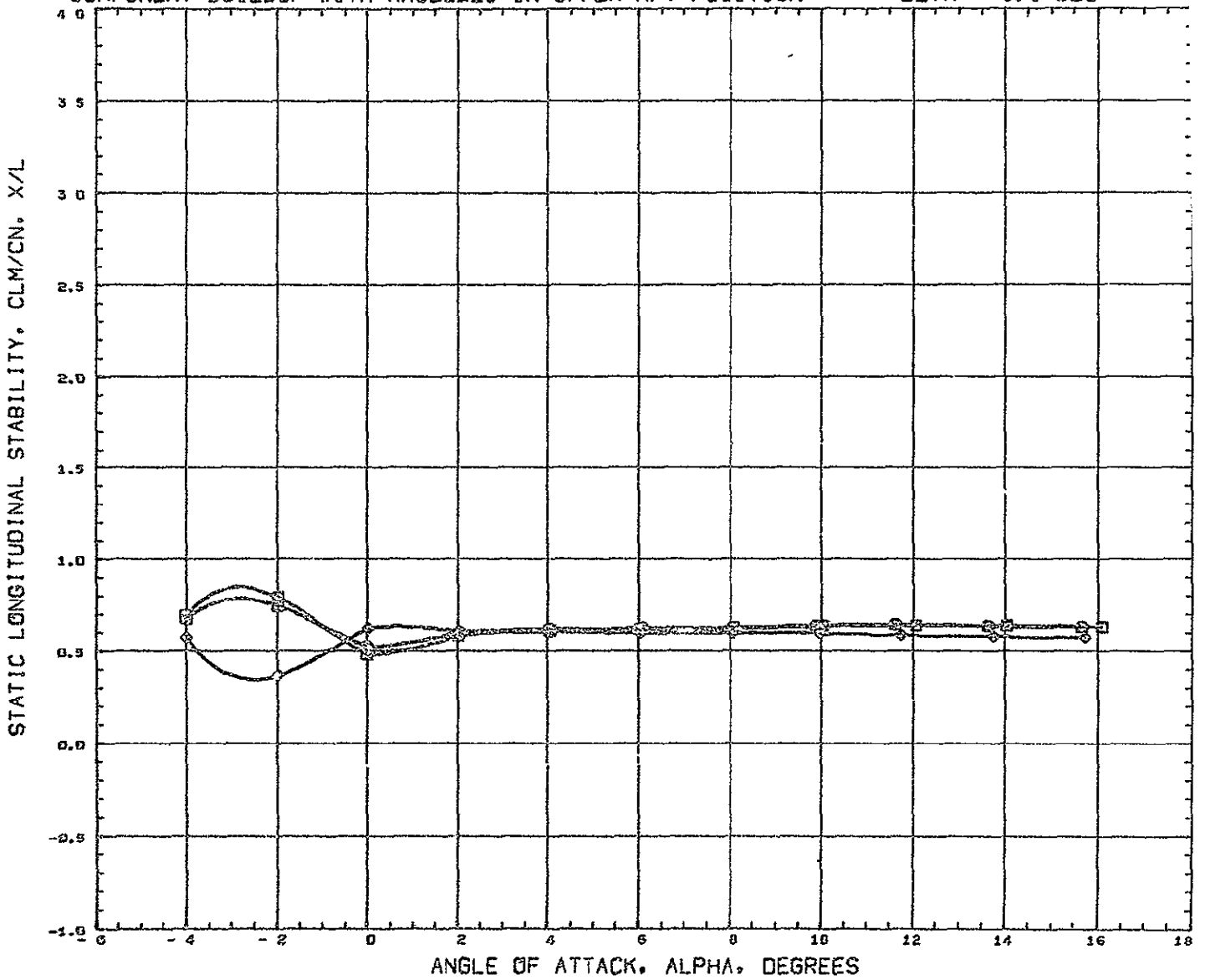


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6061)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	56.1A 0.000 HOR 0.000	REFS 0 1790 SQ FT
(RC6041)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RC6056)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XRRP 9 8400 INCHES
			YRRP 0 0000 INCHES
			ZRRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

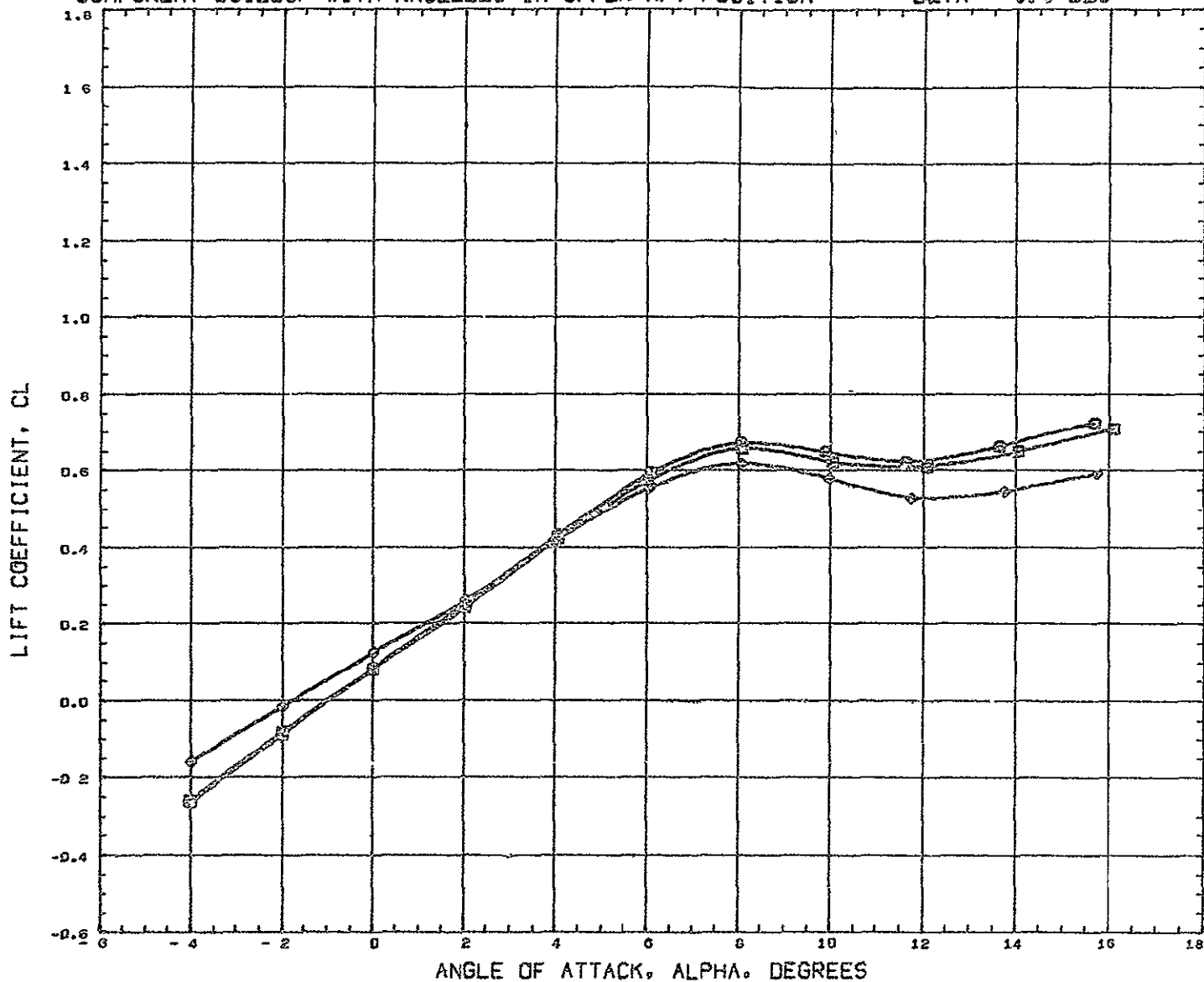


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6081)	NAAL 632 SSV-STR WING FORCE-NAC B6 N1 WLD H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
(RC6041)	NAAL 632 SSV-STR WING FORCE-NAC B8 N4 WLD H12		REFL 15 7370 INCHES
(RC6050)	NAAL 632 SSV-STR WING FORCE-NAC B8 N4 WLD V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

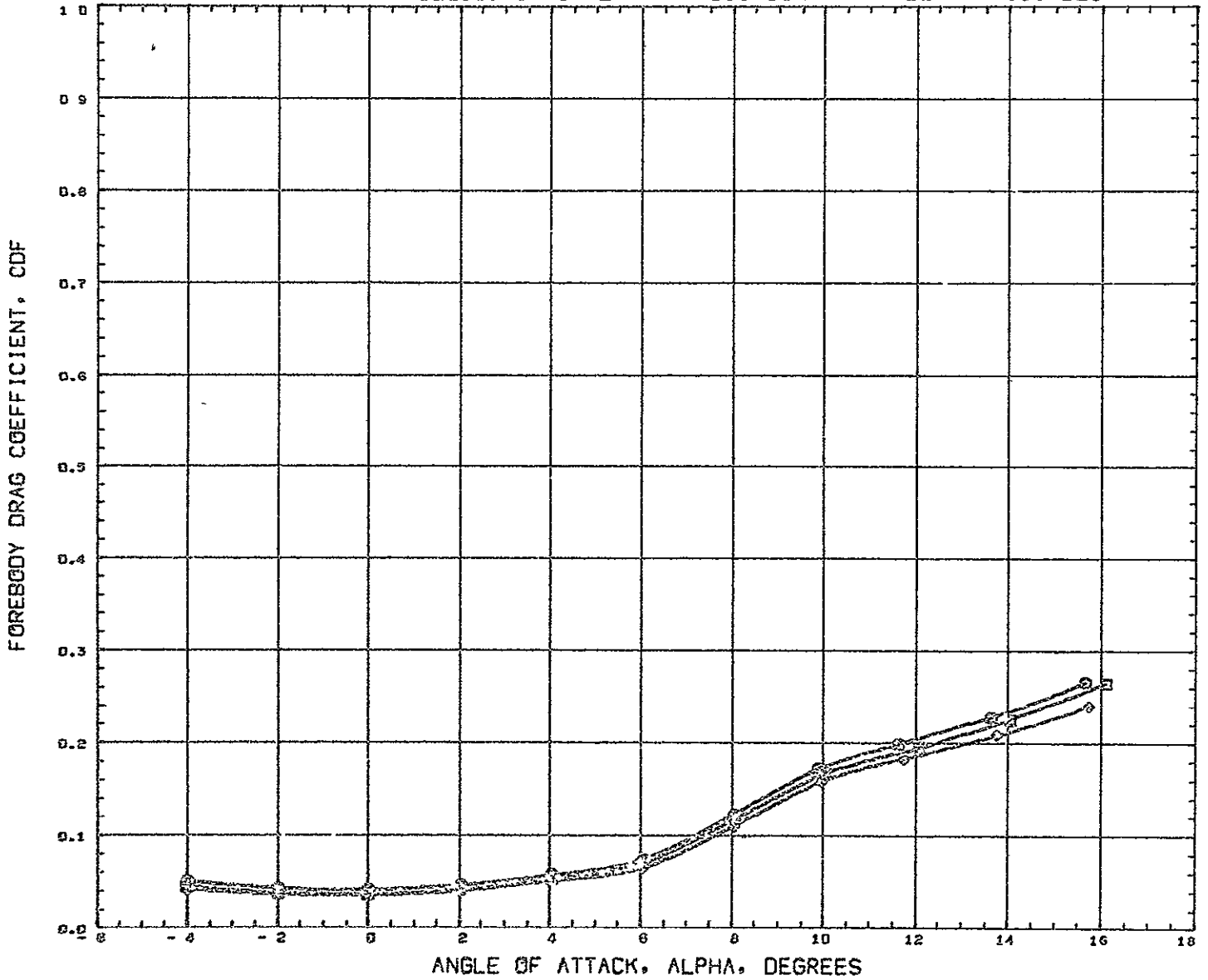


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG051)	NAAL 032 SSV-STR WING FORCE-NAC 06 N4 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
(RCG041)	NAAL 032 SSV-STR WING FORCE-NAC 06 N4 W10 H12		PEFL 15 7370 INCHES
(RCG056)	NAAL 032 SSV-STR WING FORCE-NAC 06 N4 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.239

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG



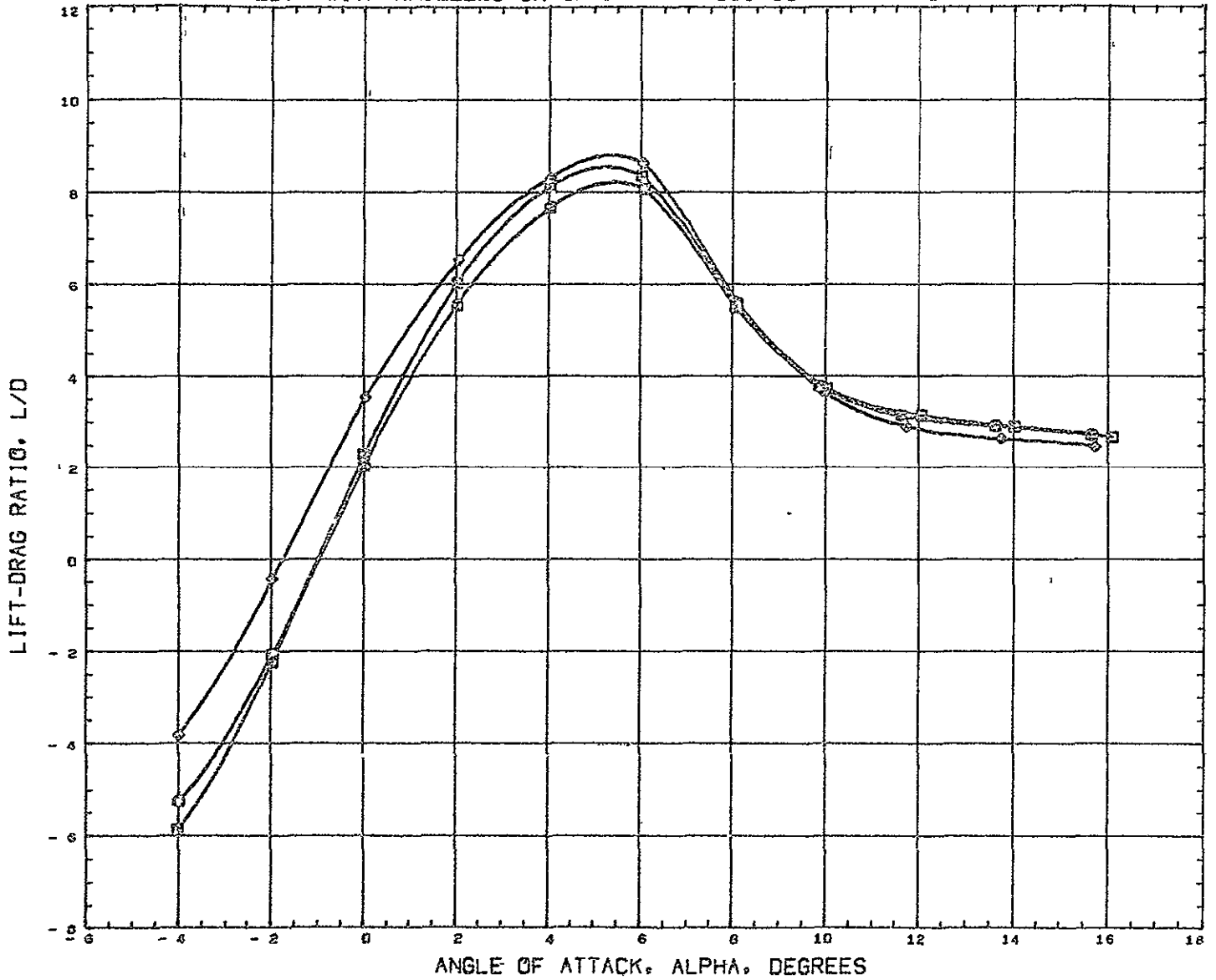
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6091)	NAAL 632 SSV-STR WING FORCE-NAC B8 H4 W10 H12 V5 BETA	0.000 HOR	0 000 REFS 0 1790 SQ FT
(RC6041)	NAAL 632 SSV-STR WING FORCE-NAC B6 H4 W10 H12		REFL 15 7370 INCHES
(RC6030)	NAAL 632 SSV-STR WING FORCE-NAC B6 H4 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0.0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259



COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

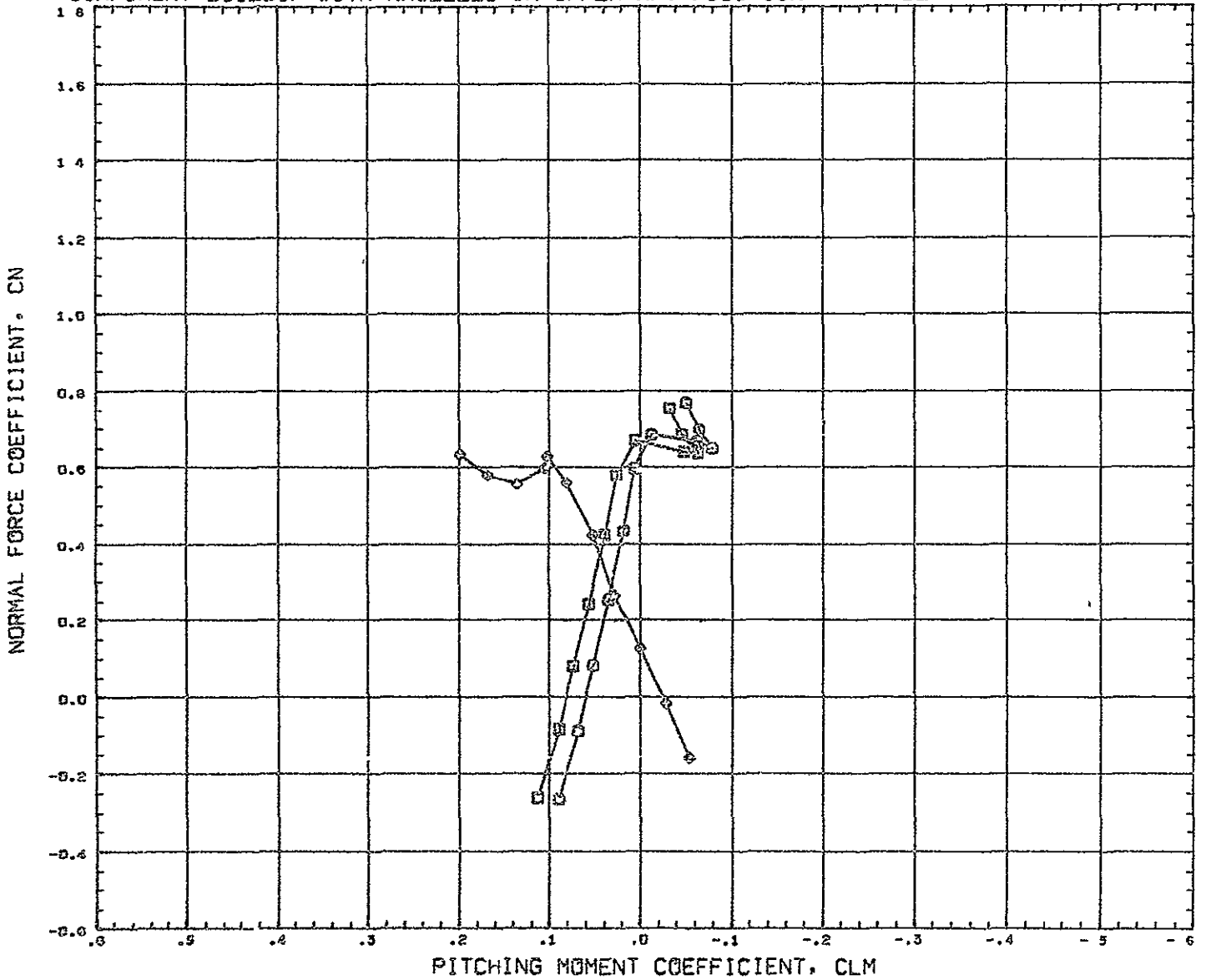


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG001)	□ NA1L 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 0 000 HOX 0 000	REFS 0 1790 SQ FT
(RCG041)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RCG050)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V3		REFB 11 3390 INCHES
			XHRF 9 0400 INCHES
			YHRF 0 0000 INCHES
			ZHRF - 0 3840 INCHES
			SCALE 0 0076 SCALE

MAC# 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

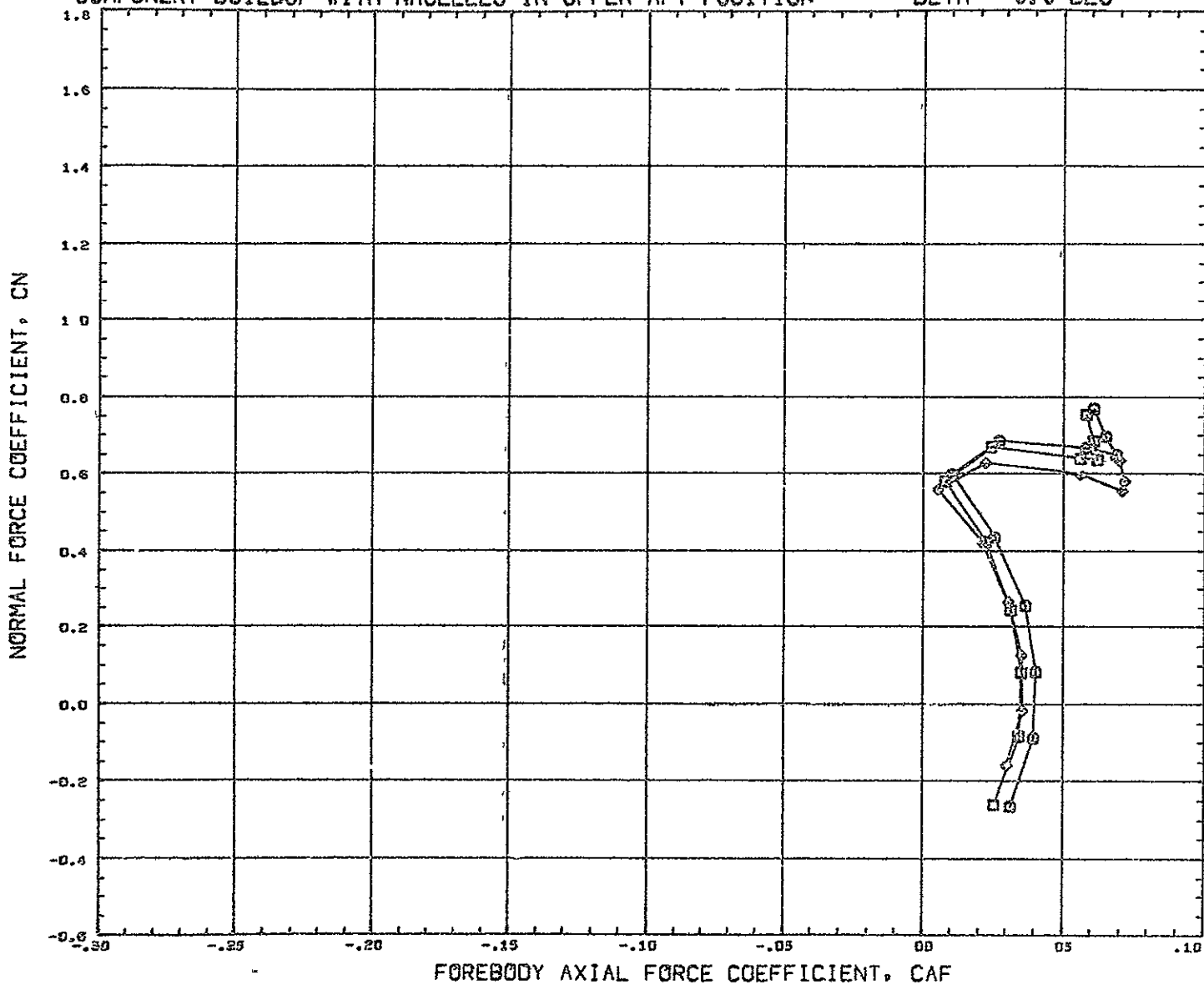


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC001)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
(RCC041)	□ NAAL 632 SSV-STR WING FORCE-NAC 06 N4 W10 412		REFL 15.7370 INCHES
(RCC056)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION -

BETA = 0.0 DEG

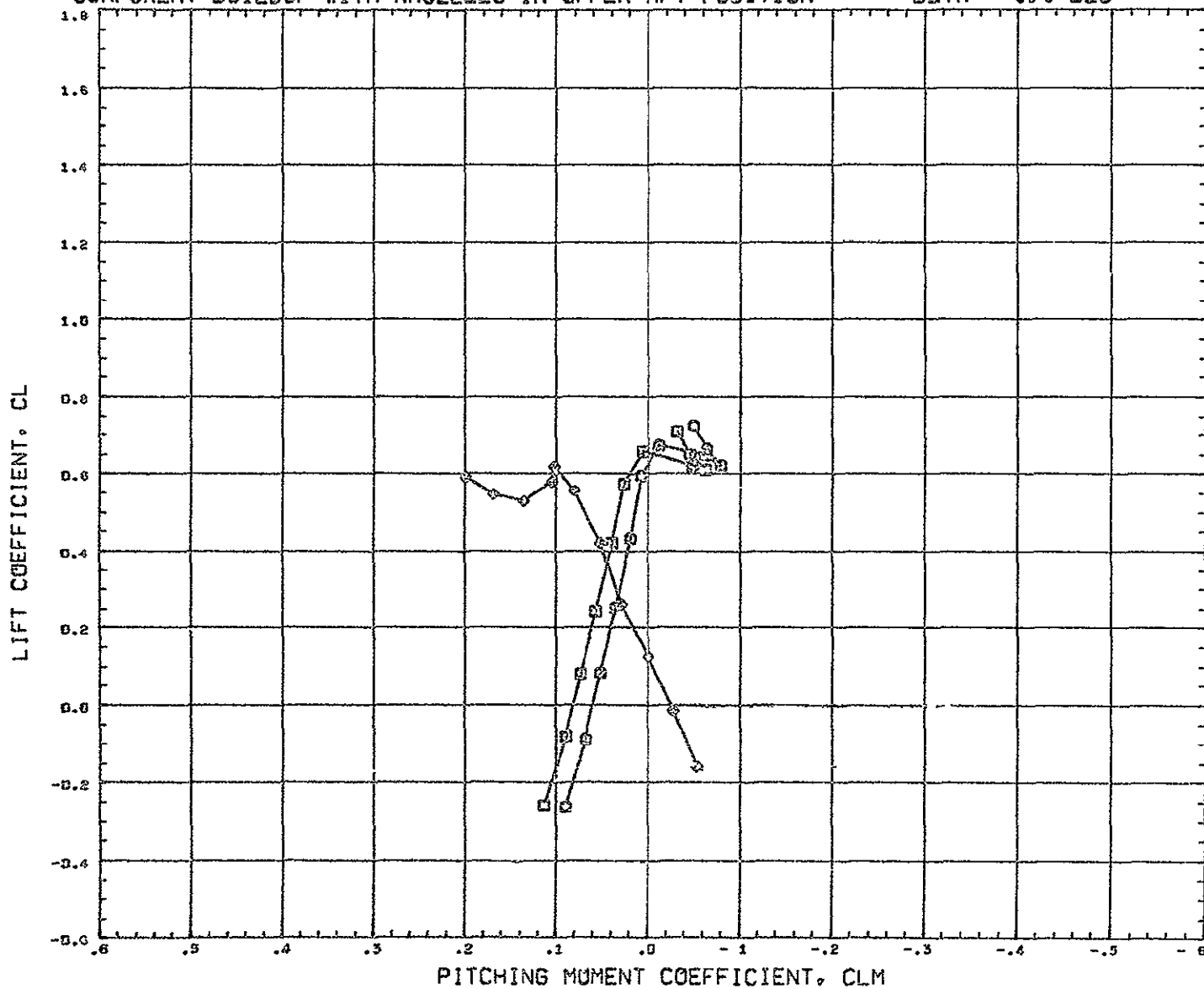


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0001)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 0.000 HOR 0.000	REFS 0 1790 SQ FT
(RC0041)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RC0056)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

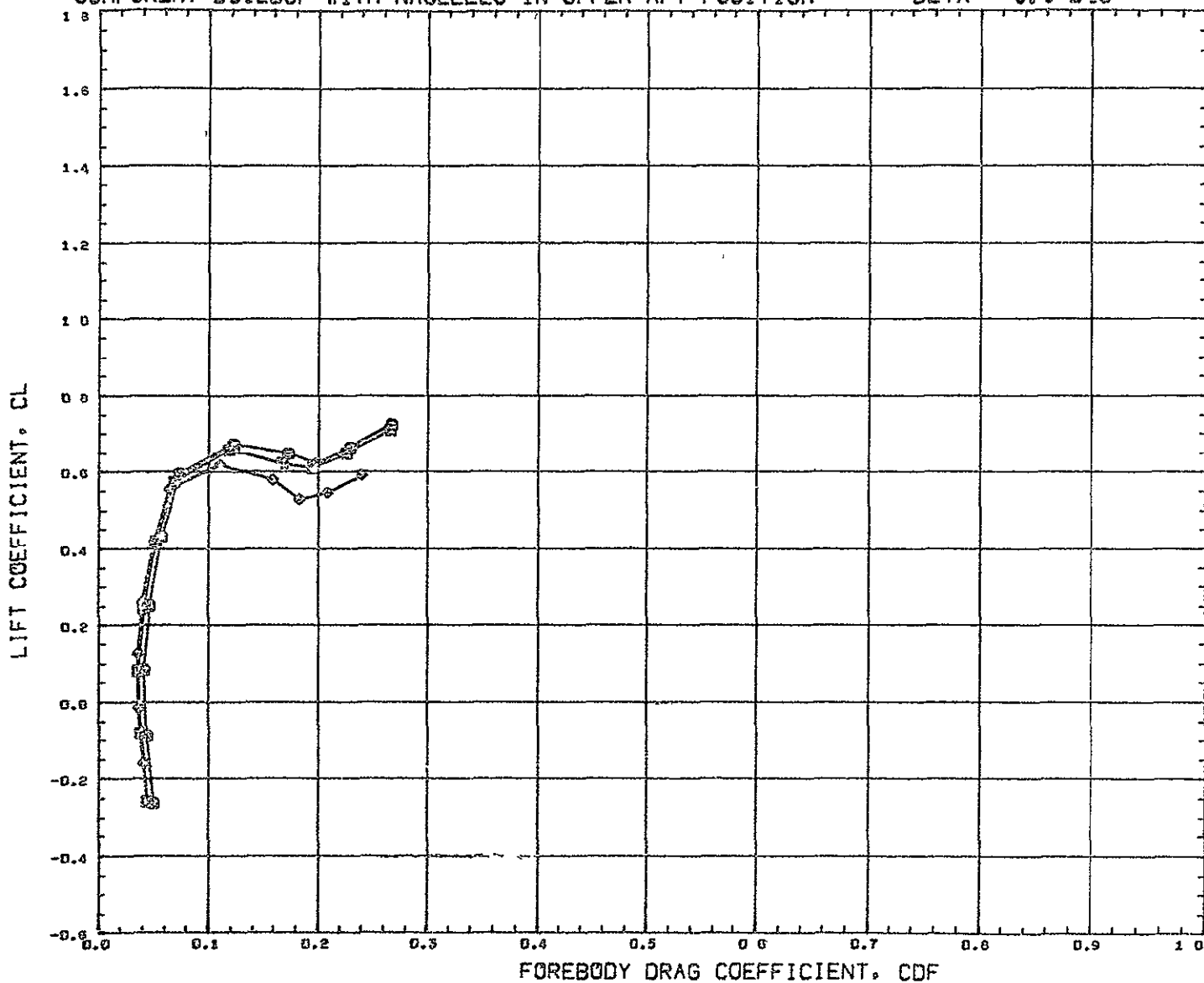


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6051)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 W12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT.
(RC6041)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 W12		REFL 15 7370 INCHES
(RC6056)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XMRP 9 6400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 0.0 DEG

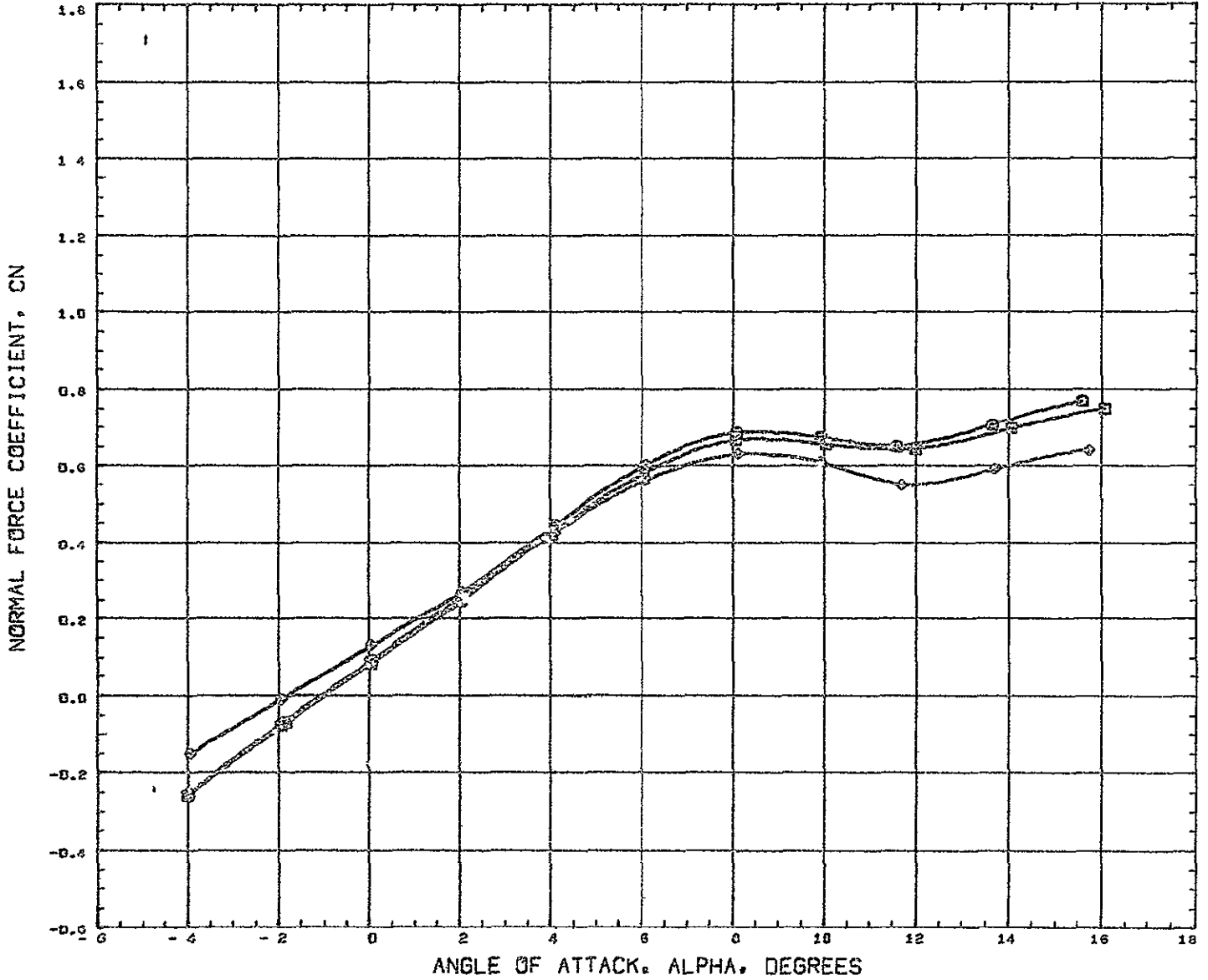


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG061)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 0 000 HOR 0 000	REFS 0 1790 SQ FT
(RCG041)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RCG056)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 5390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3640 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

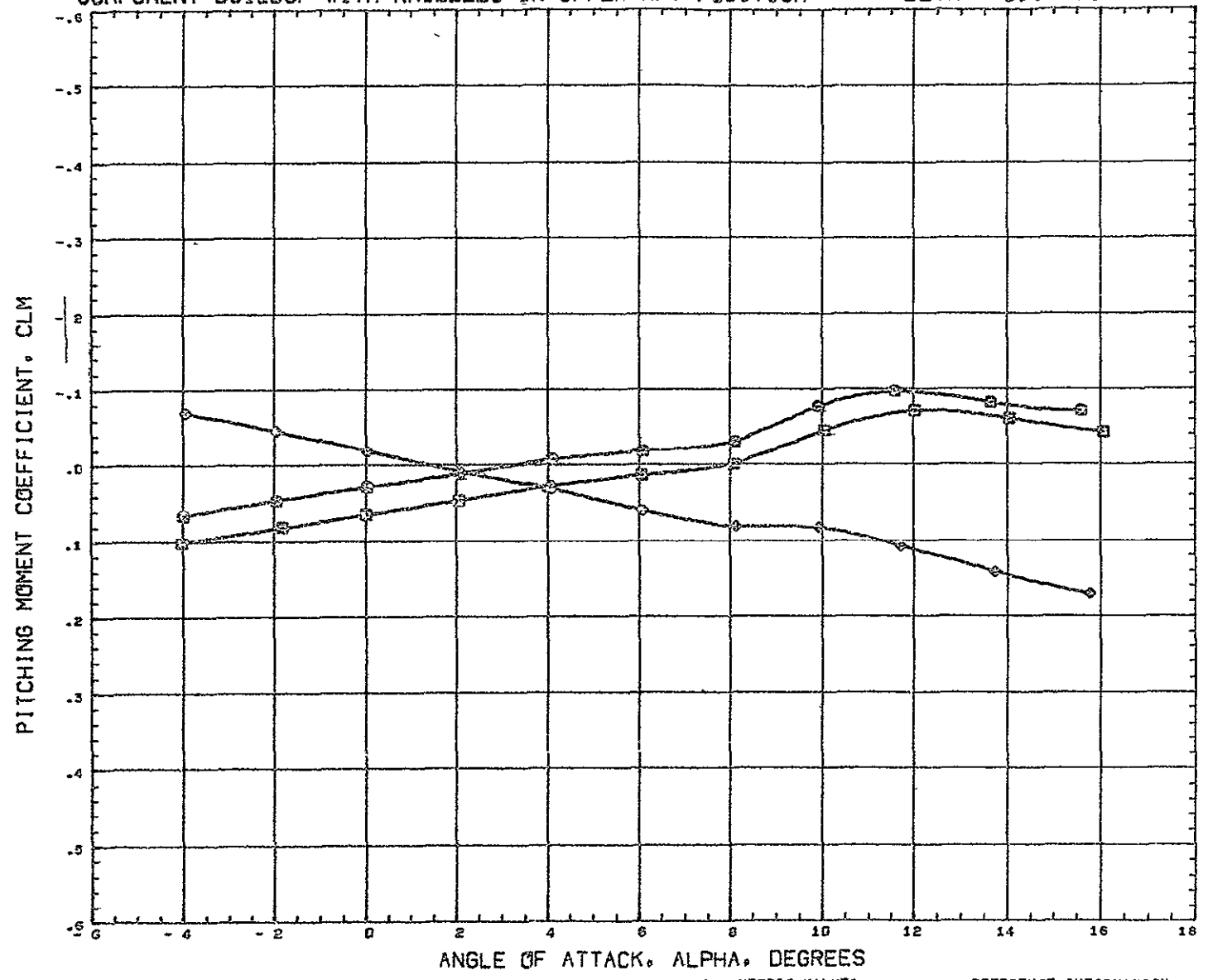
BETA = 5.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCGD62)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12 V5	BETA 5.000 HOR	0.000 REFS 0 1790 SQ FT
(RCGD42)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12		PEFL 15 7370 INCHES
(RCGD57)	HAAL 632 SSV-STP WING FORCE-NAC B6 N4 WID V5		REFB 11 3390 INCHES
			X4RP 9 6400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION BETA = 5.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG002)	□ NAAL 032 SSV-STR WING FORCE-NAC B6 M4 W10 H12 V5	BETA 5.000 HOR	0.000
(RCG042)	◇ NAAL 032 SSV-STR WING FORCE-NAC B6 M4 W10 H12		
(RCG057)	○ NAAL 032 SSV-STR WING FORCE-NAC B6 M4 W10 V5		

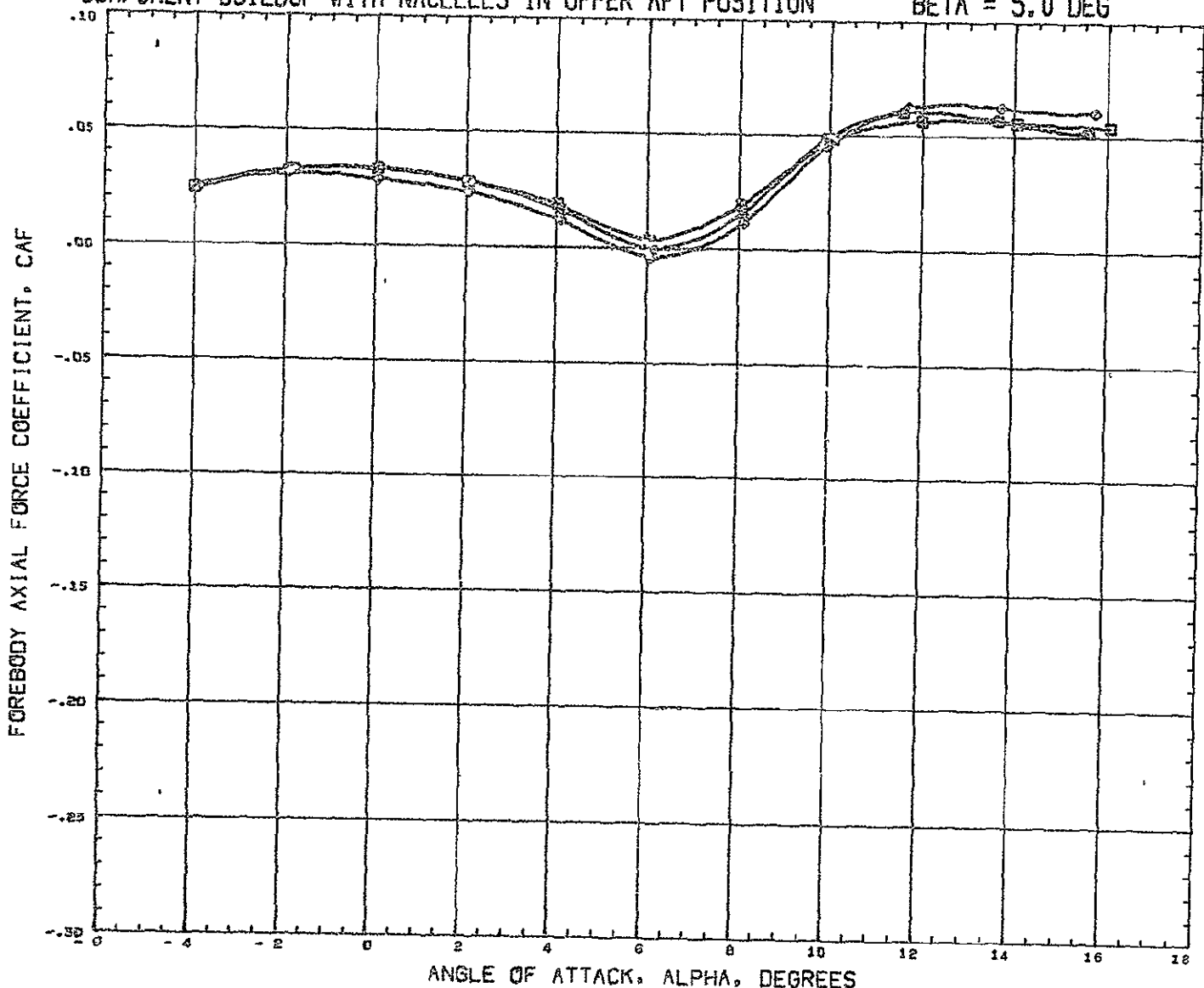
REFERENCE INFORMATION	VALUE	UNIT
REFS	0 1790	SG FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHPP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 38-0	INCHES
SCALE	0 0076	SCALE

MACH	0.259
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710023

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

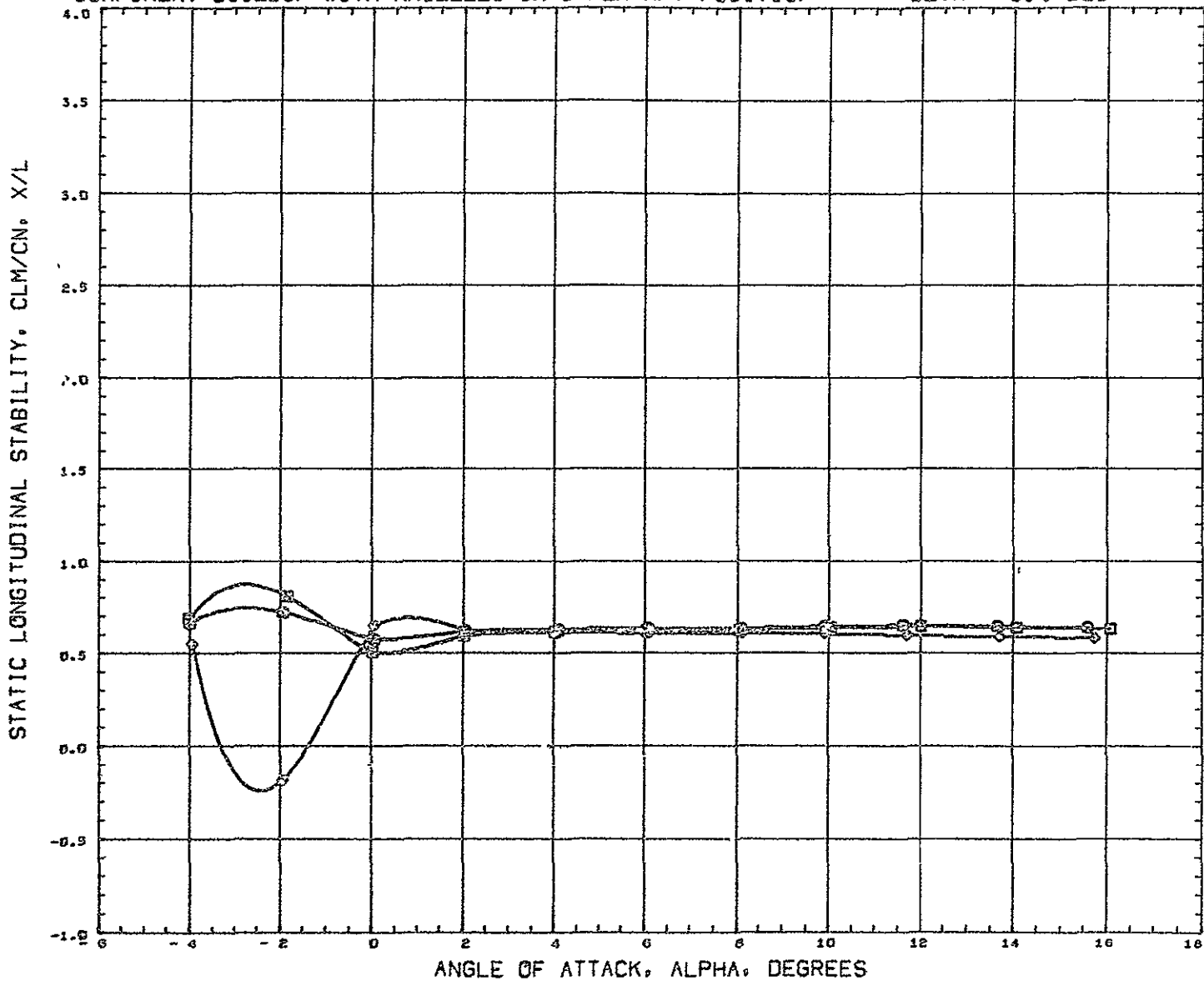


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PC0002)	NAAL G32 SSV-STR WING FORCE-NAC B5 N4 W10 H12 V5	BETA 5 000 HOR	0 000 REFS 0 1790 SQ.FT
(RC0042)	NAAL G32 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RC0037)	NAAL G32 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH D.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

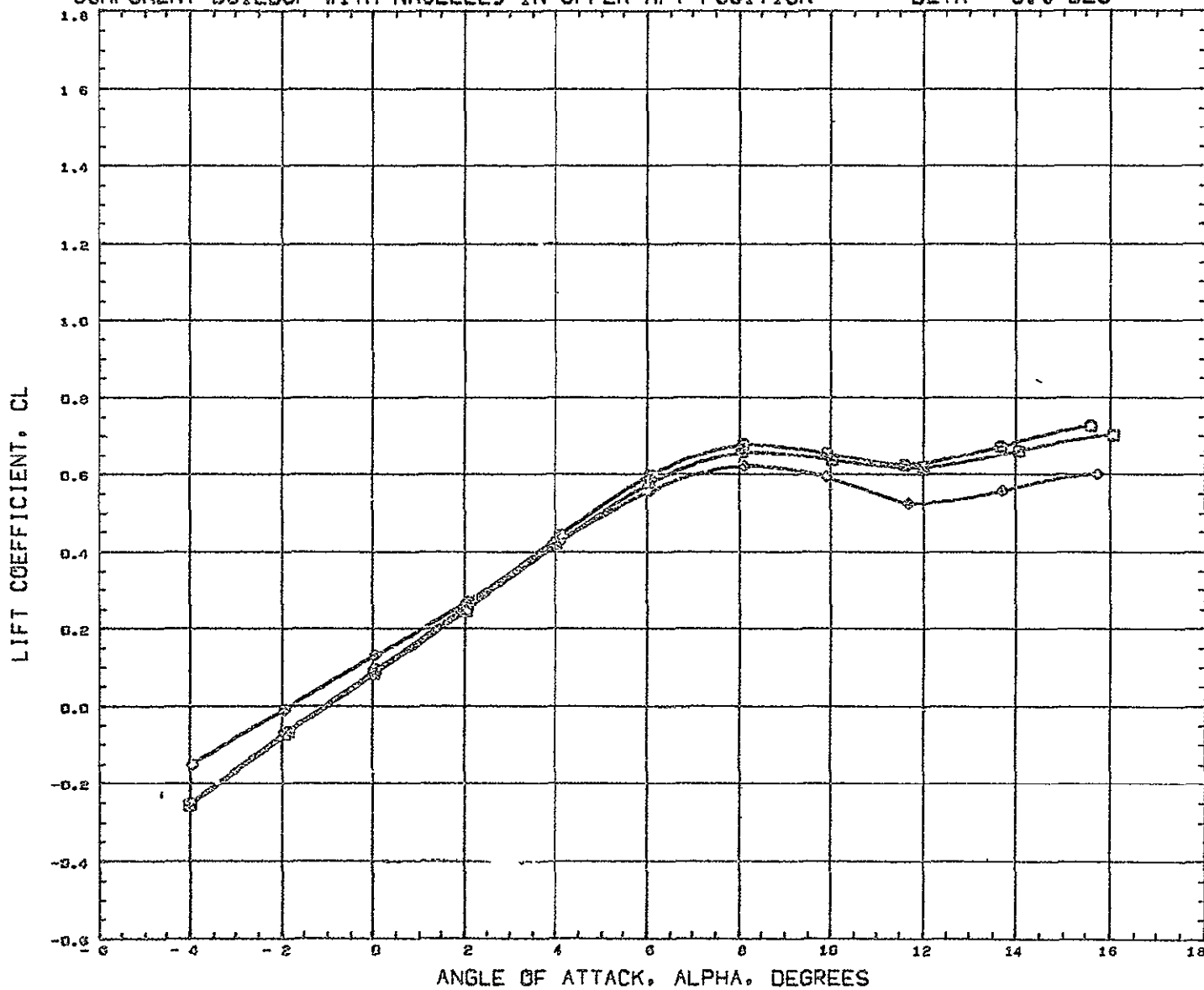


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PAPANETRIC VALUES	REFERENCE INFORMATION
(RCGD62)	NAAL 632 SSV-STR WING FORCE-NAC B6 M4 W10 H12 V5	BETA 5.000 HOR	REFS 0 1790 SQ FT
(RCGB42)	NAAL 632 SSV-STR WING FORCE-MAC B6 M4 W10 H12		REPL 15 7370 INCHES
(RCGD97)	NAAL 632 SSV-STR WING FORCE-NAC B6 M4 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

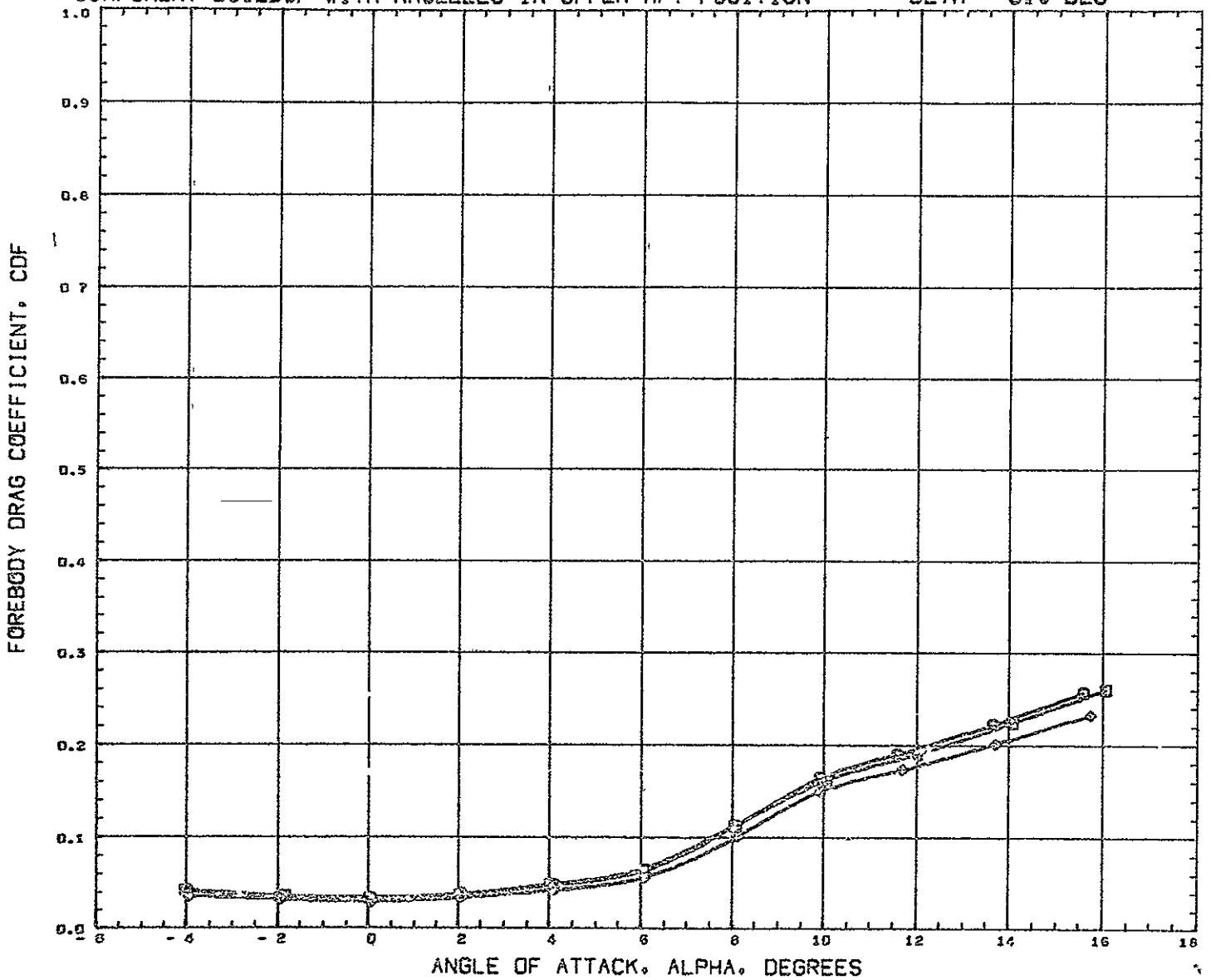


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6052)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 5.000 HOR	REFS 0 1790 SQ FT.
(RC6042)	NAAL 032 SSV-STR WING FORCE-NAC B6 H4 W10 H12		REFL 15 7370 INCHES
(RC6057)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG



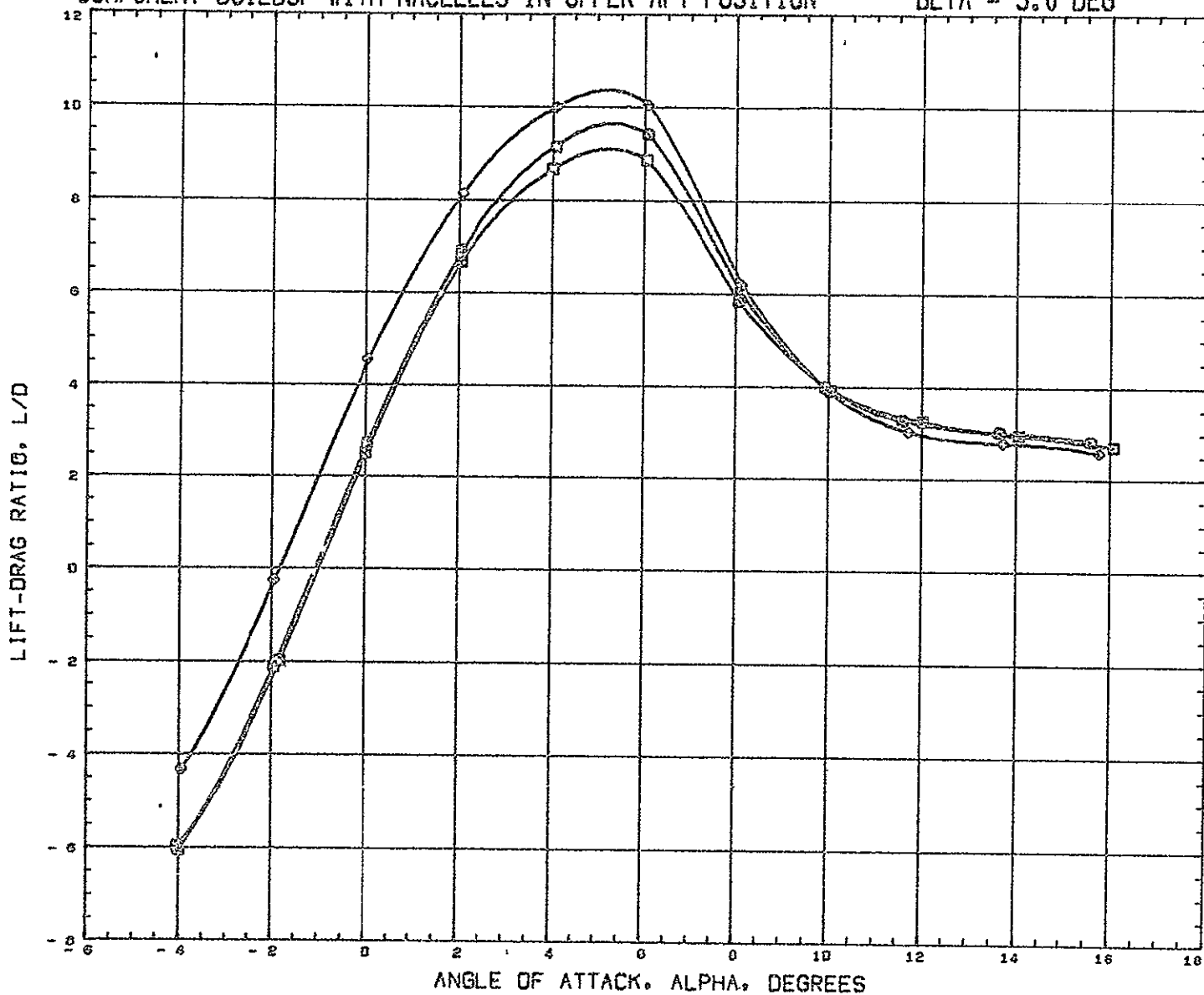
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC062)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 5.000 HOR	0.000
(RCC042)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		
(RCC057)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		

REFERENCE INFORMATION	VALUE	UNIT
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XNPF	9	8400 INCHES
YHRF	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.239

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG



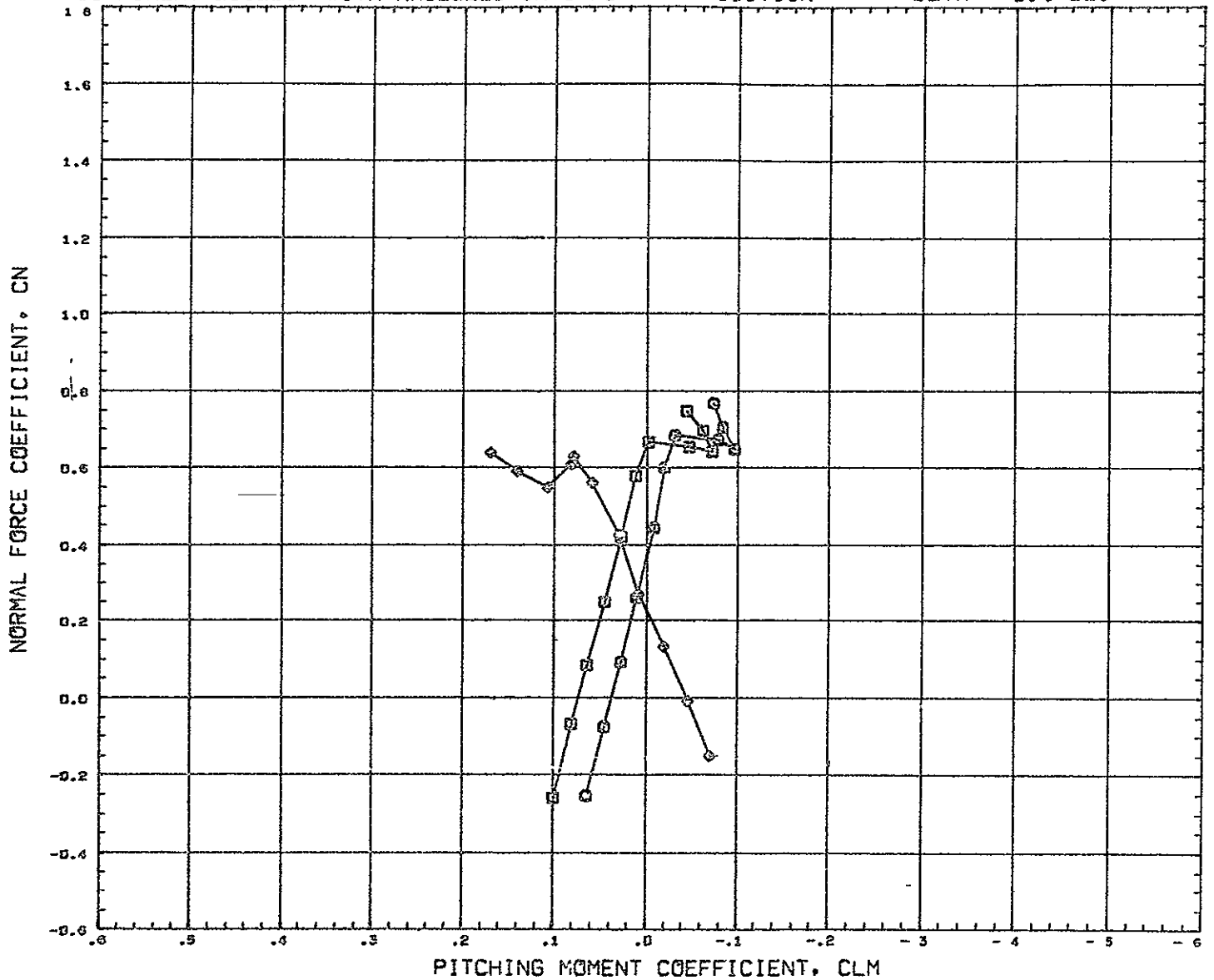
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6062)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	BETA 5.000 MOR	D 000 REFS 0 1790 SQ FT
(RC6042)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		REFL 15 7370 INCHES
(RC6037)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		REFB 11 3390 INCHES
			XNRF 9 8400 INCHES
			YNRF 0 0000 INCHES
			ZNRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

47251

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

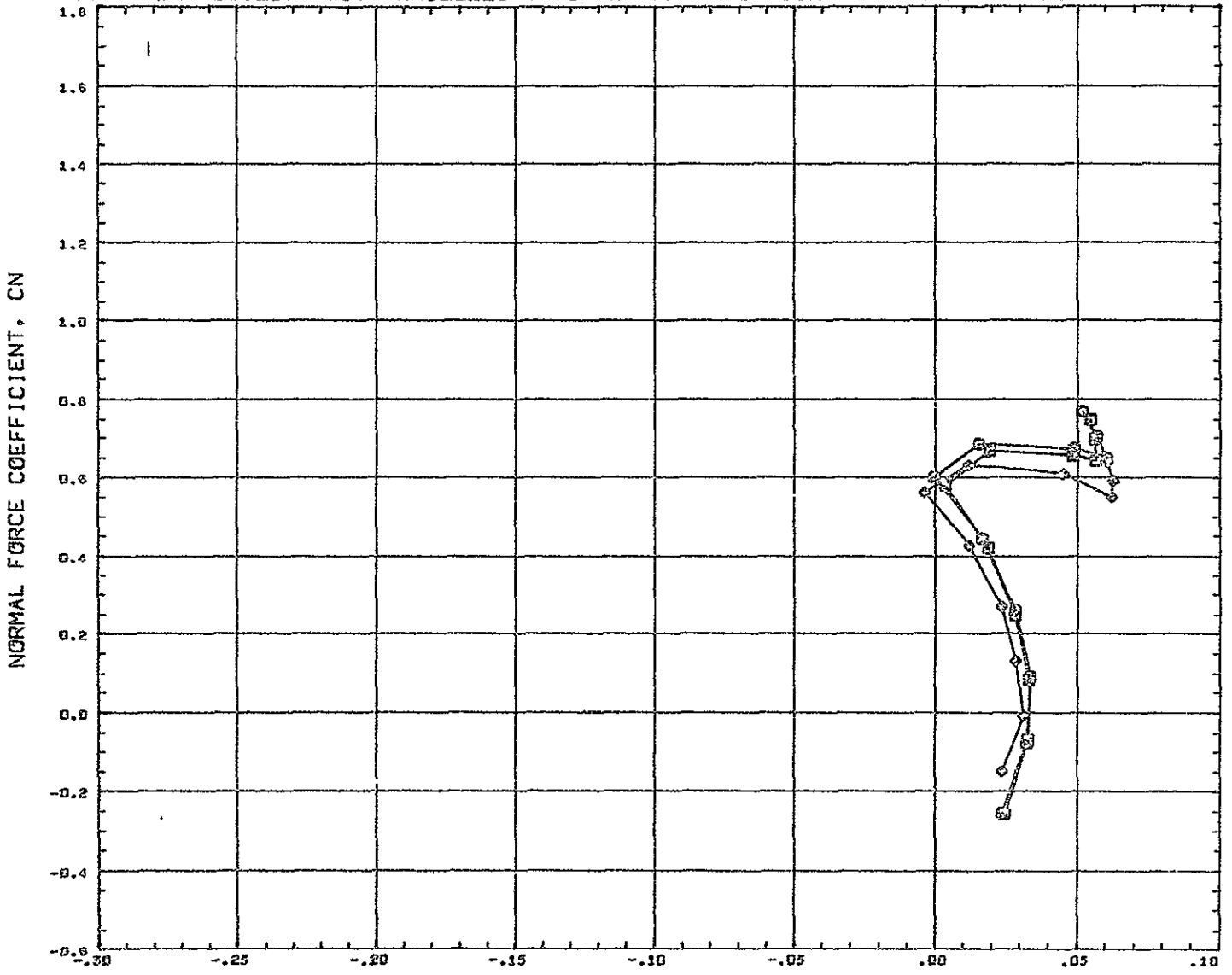


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG082)	MAAL 632 SSV-STR WING FORCE-NAC B6 H4 W1D H12 V5	BETA 5 000 HOR 0 000	REFS 0 1790 SQ FT
(RCG042)	MAAL 632 SSV-STR WING FORCE-NAC B6 H4 W1D H12		REFL 15 73.0 INCHES
(RCG057)	MAAL 632 SSV-STR WING FORCE-NAC B6 H4 W1D V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE
MACH	0 259		

140

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

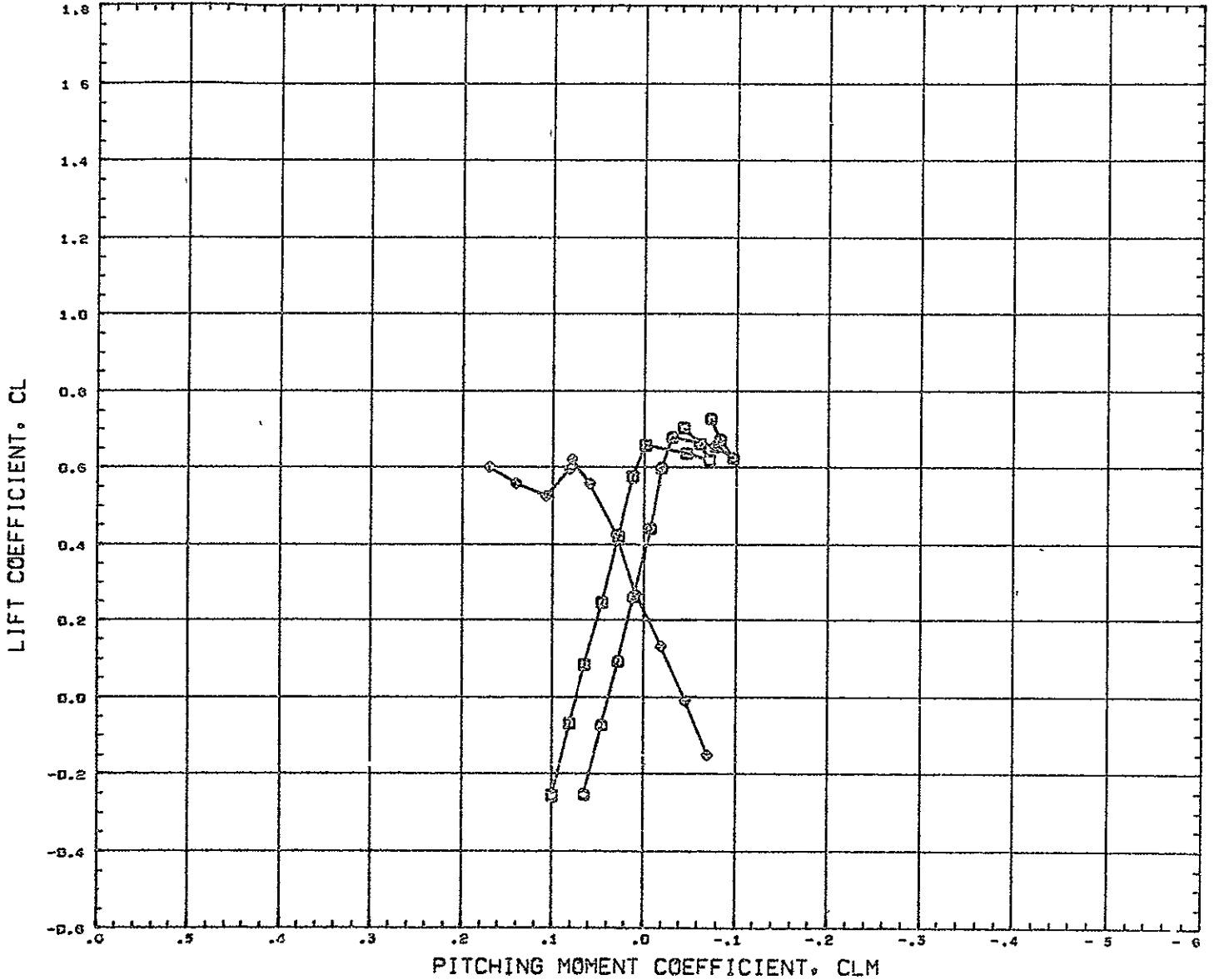


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6062)	HAAL 632 SSV-STR WING FORCE-NAC B8 N4 WIG H12 V5	BETA 5 000 HOP 0 000	REFS 0 1790 SQ FT
(PC6042)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WIG H12		REFL 15 7370 INCHES
(RC6057)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WIG V5		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

BETA = 5.0 DEG

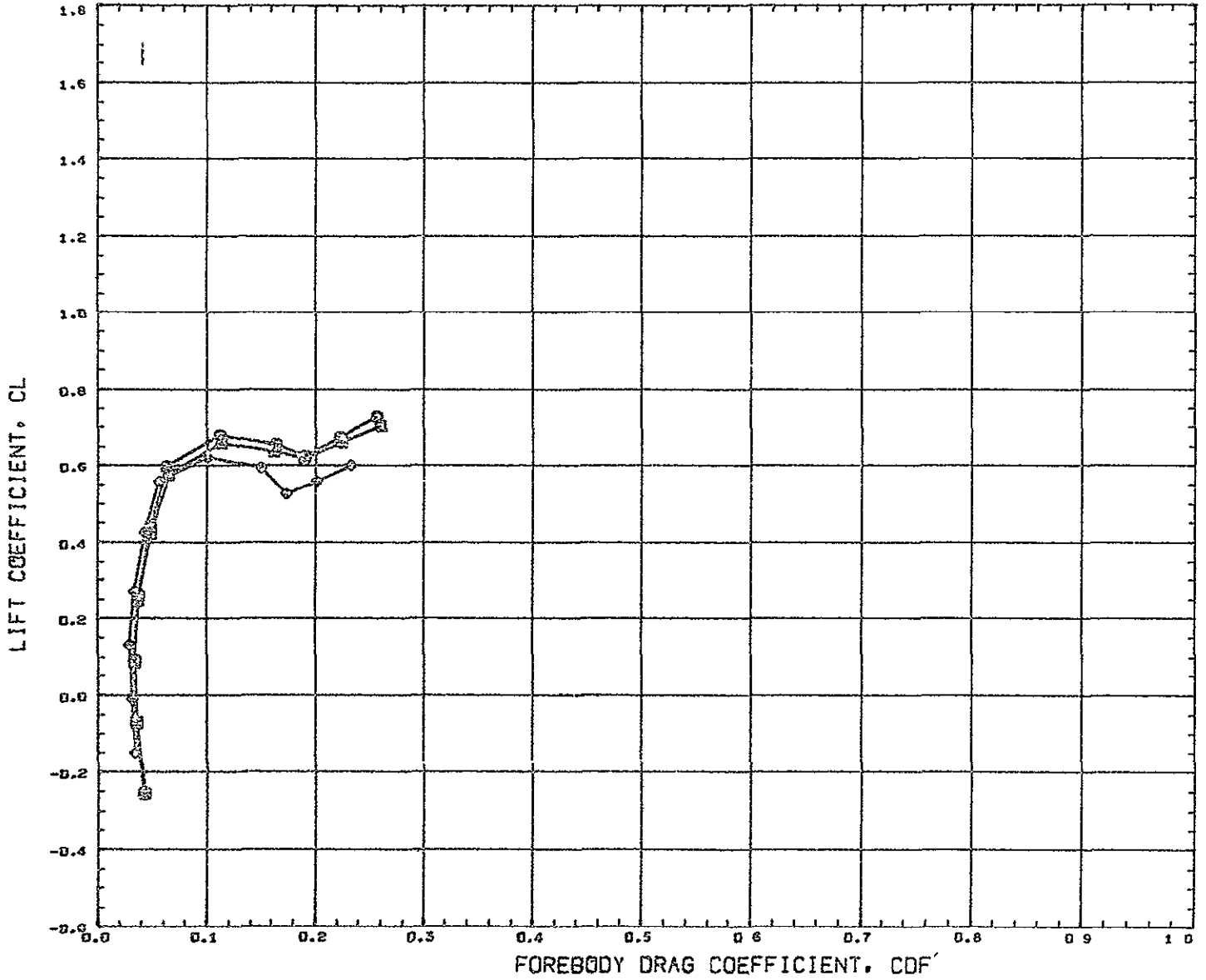


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6052)	□ NAAL 632 SSV-STR WING FORCE-MAC 86 H4 W10 H12 V5	BETA 5.000 HOR 0.000	REFS 0 1790 SQ FT
(RC6042)	□ NAAL 632 SSV-STR WING FORCE-MAC 86 H4 W10 H12		PEFL 15 7370 INCHES
(RC6057)	◇ NAAL 632 SSV-STR WING FORCE-MAC 86 H4 W10 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH NACELLES IN UPPER AFT POSITION

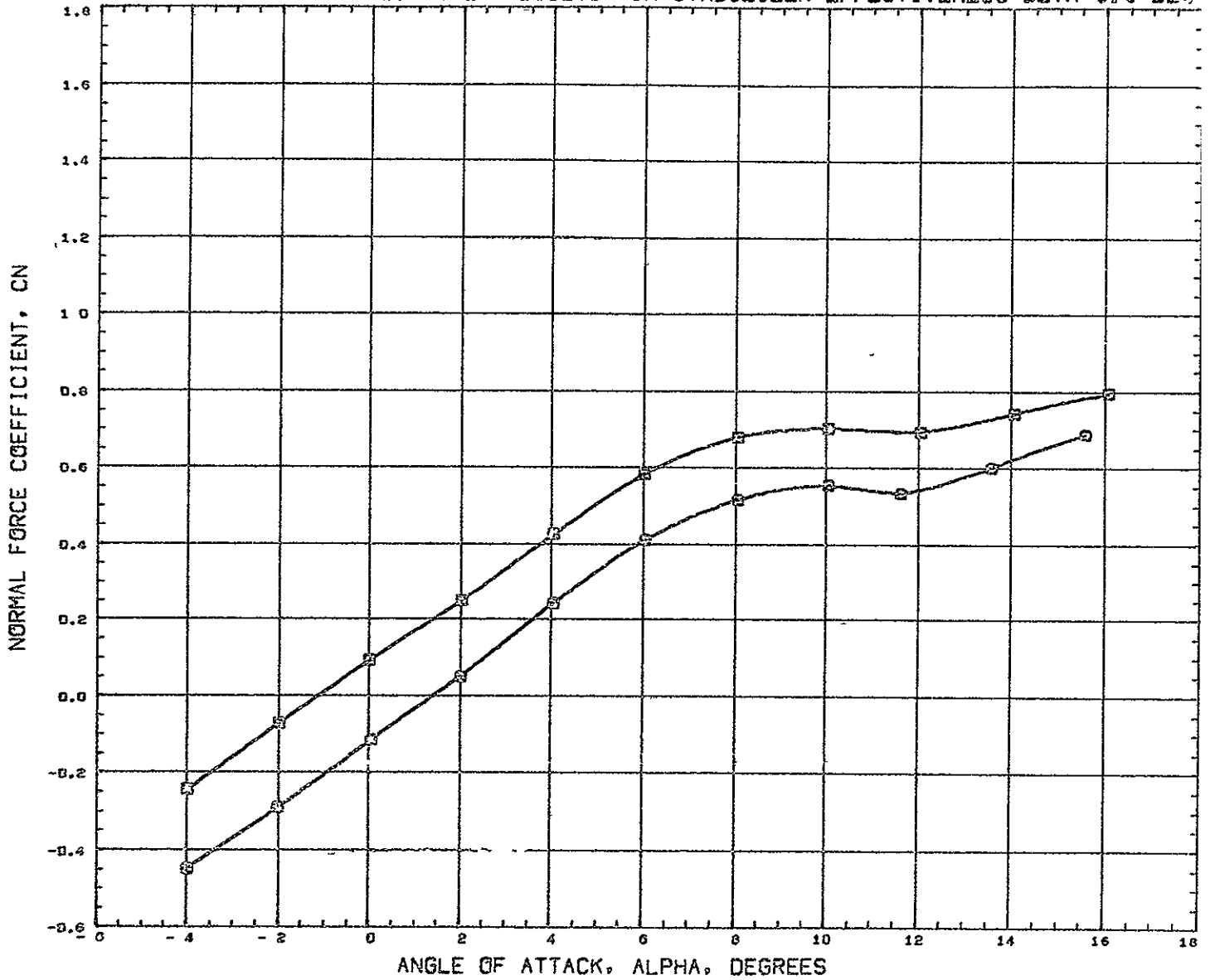
BETA = 5.0 DEG



DATA SET SYMCL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6052)	HAAL 632 SSV-STR WING FORCE-NAC B5 N4 W10 H12 V5	BETA 5 000 HOR	0 000
(RC6012)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12		
(RC6057)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5		
			REFS 0 1790 SQ FT
			REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

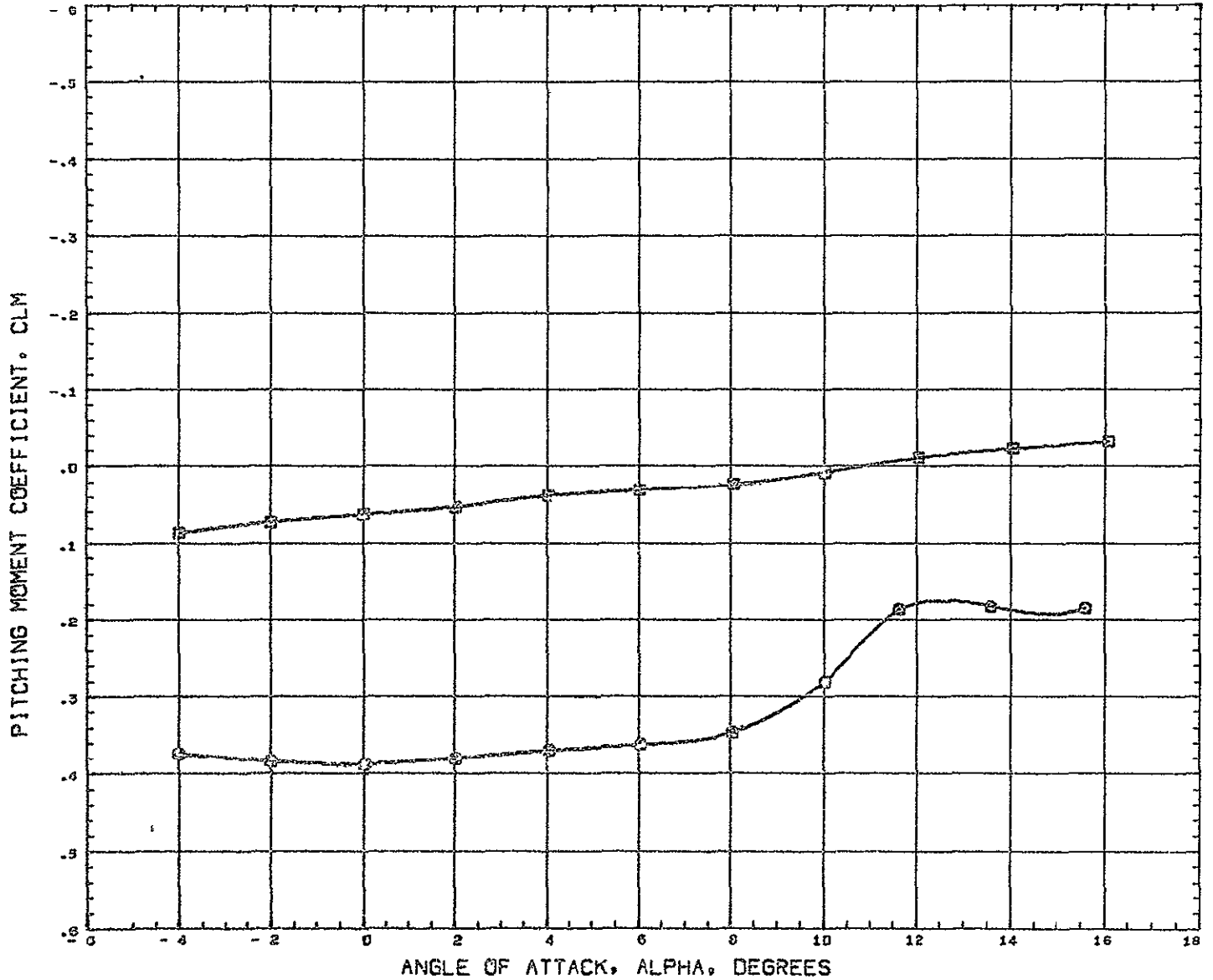


SYMBOL	HCR	PARAMETRIC VALUES
○	- 10.000	MACH 0.259 BETA 0.000
□	0.000	

REFERENCE INFORMATION		
REF5	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

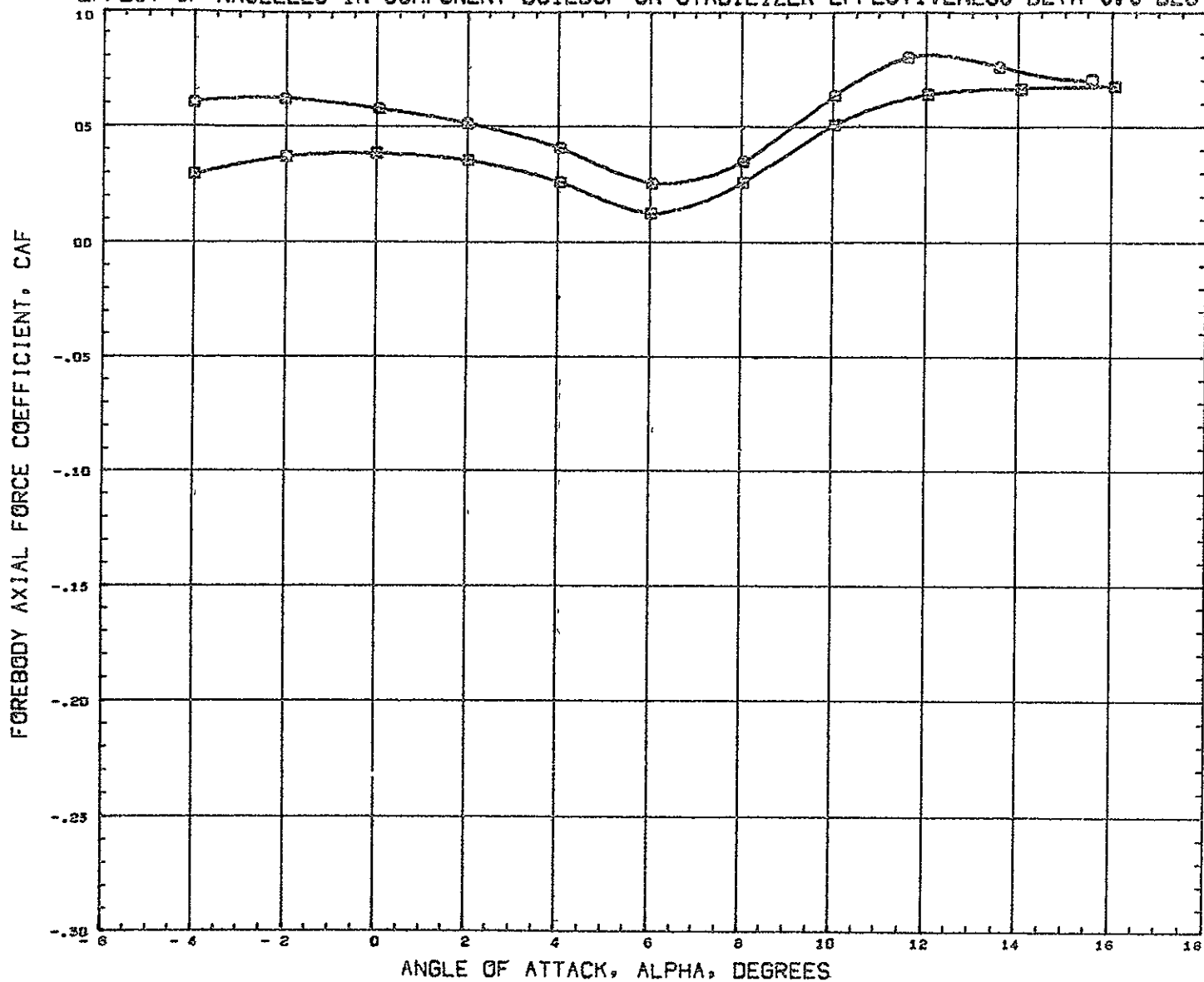


SYMBOL	NOR	PARAMETRIC VALUES	
□	- 10 000	MACH	0.259 BETA 0.000
○	0.000		

REFERENCE INFORMATION		
REFS	0 1790	90 FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3940	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 N1-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG



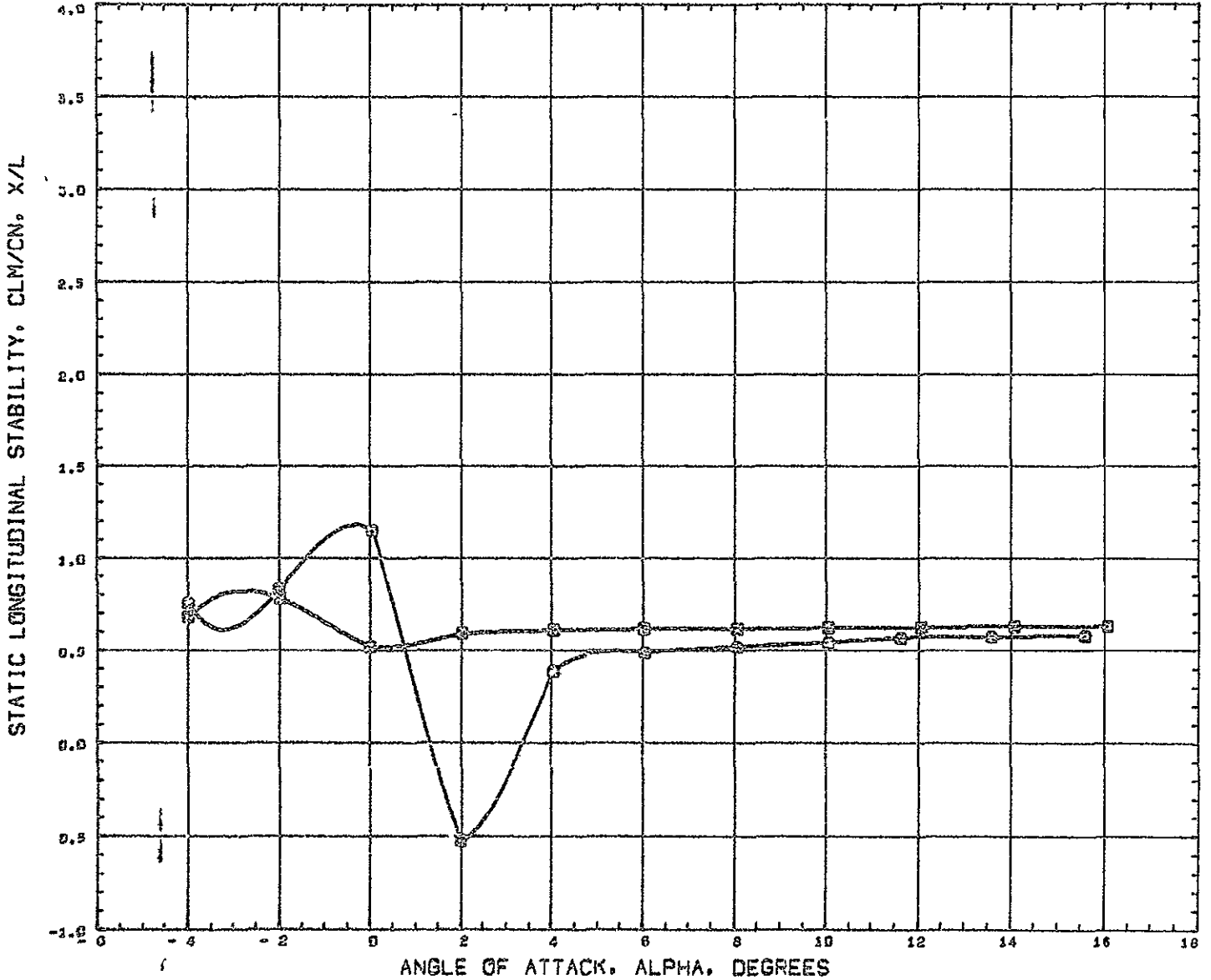
SYMBOL HCR
 O - 10.000 MACH
 □ 0.000

PARAMETRIC VALUES
 0.25% BETA 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRF 9 8400 INCHES
 YHRF 0 0000 INCHES
 ZHRF - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG



SYMBOL HCR PARAMETRIC VALUES
 O - 10.000 HACH 0.259 BETA 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15.7370 INCHES
 REFD 11 3390 INCHES
 XHRP 9 0400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3940 INCHES
 SCALE 0.0076 SCALE

REFERENCE FILE NAAL 032 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG



SYMBOL MCF
 □ - 10.000 NACH
 ○ 0.000

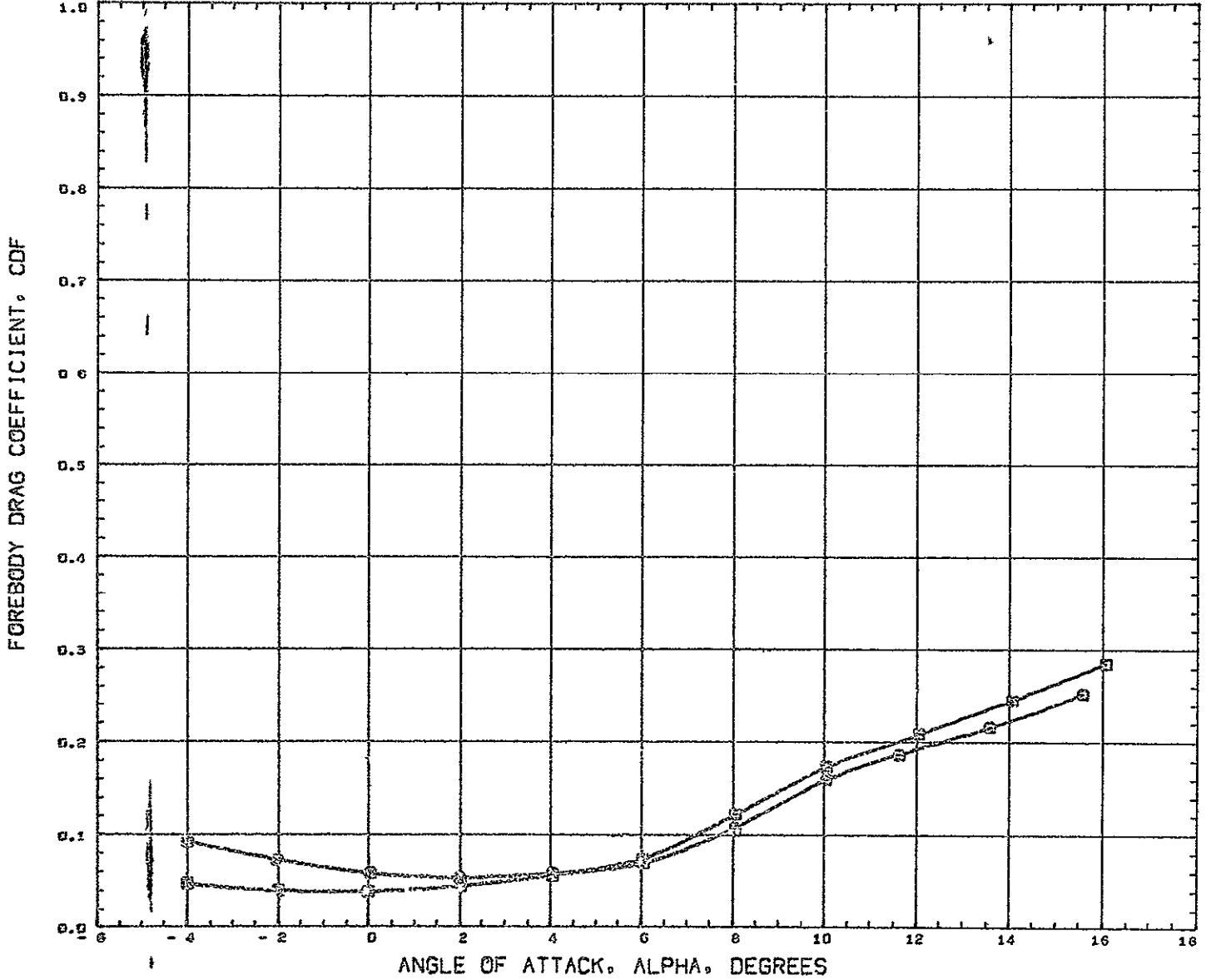
PARAMETRIC VALUES
 0.259 BETA 0.000

REFERENCE INFORMATION
 REFS 0.1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73



EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

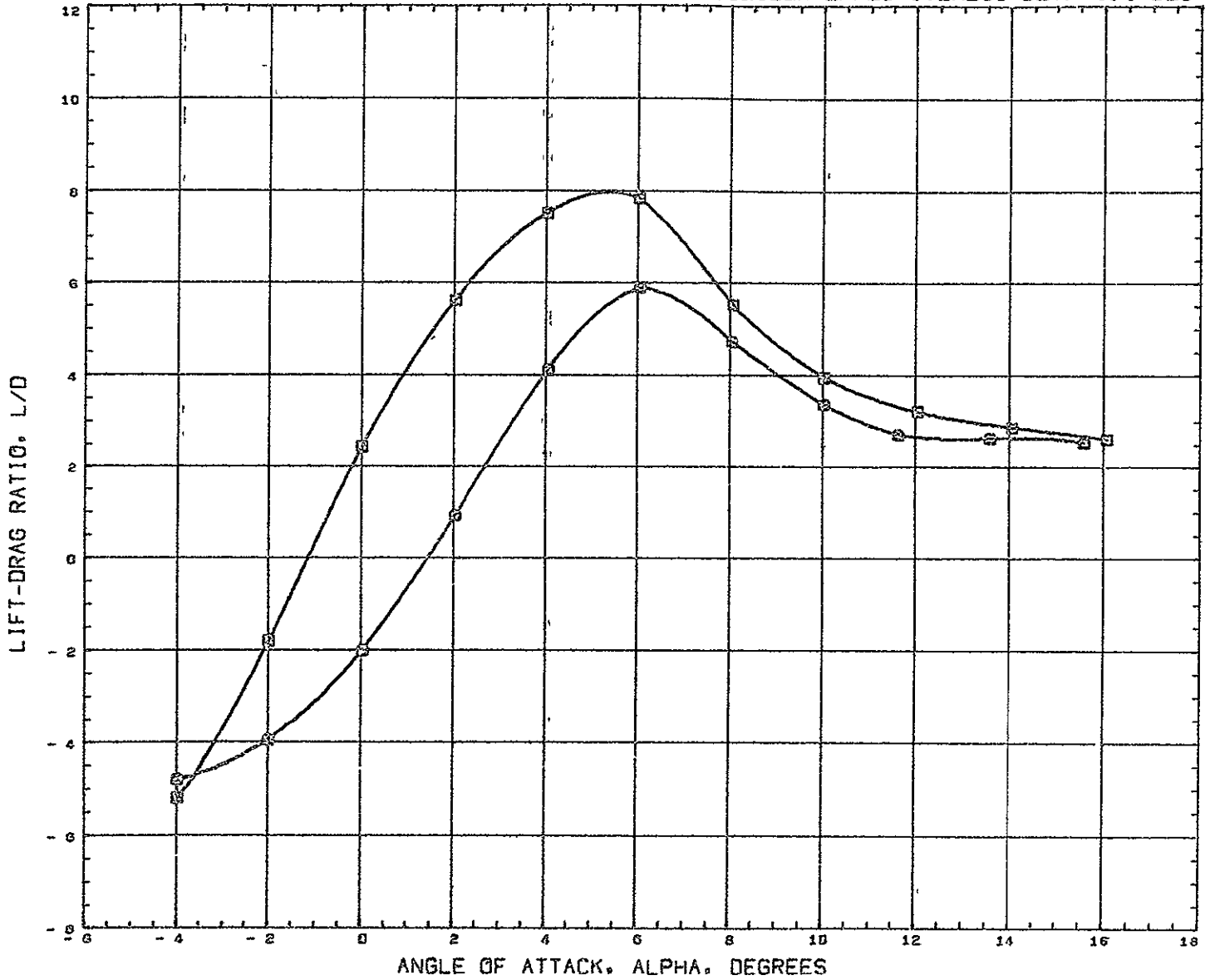


SYMBOL MCR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ.FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZHRF - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

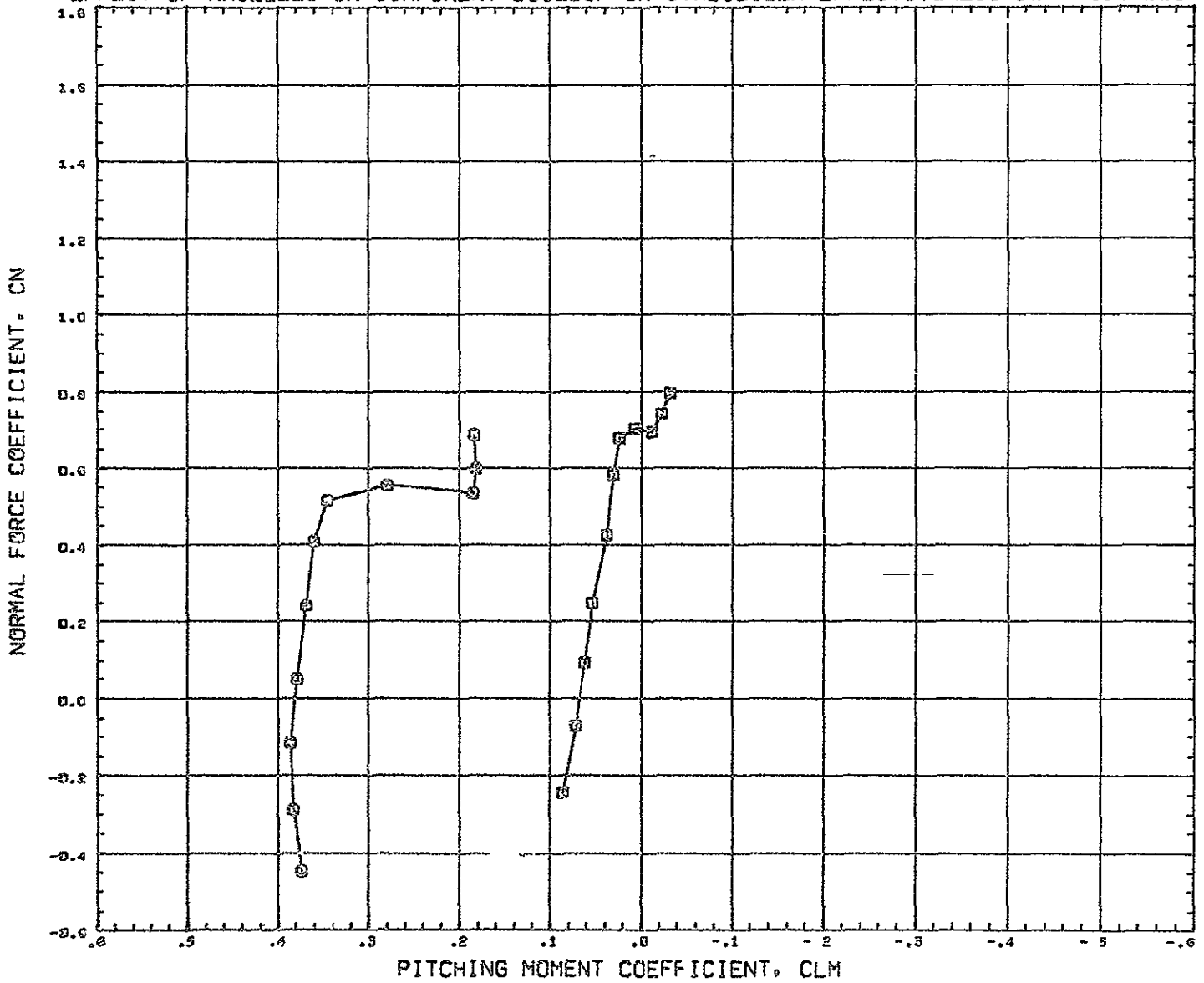


SYMBOL	HCR	PARAMETRIC VALUES
○	- 10.000	HACH 0.239 BETA 0.000
□	0 000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
PEFB	11 3390	INCHES
XHRF	9 8490	INCHES
YHRF	0 0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

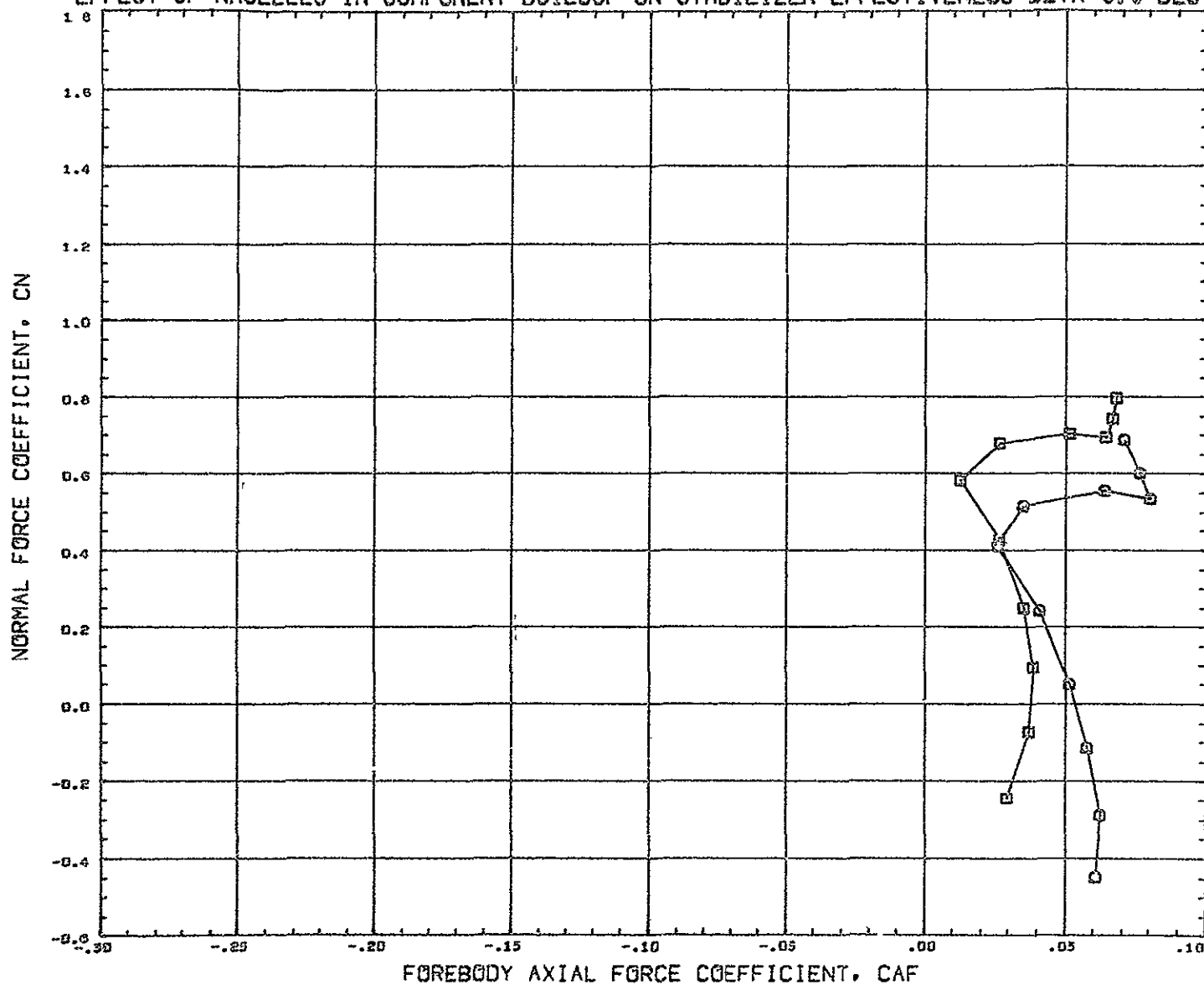


SYMBOL MOR PARAMETRIC VALUES
 O - 10.000 NACH 0.259 BETA 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT.
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 MA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

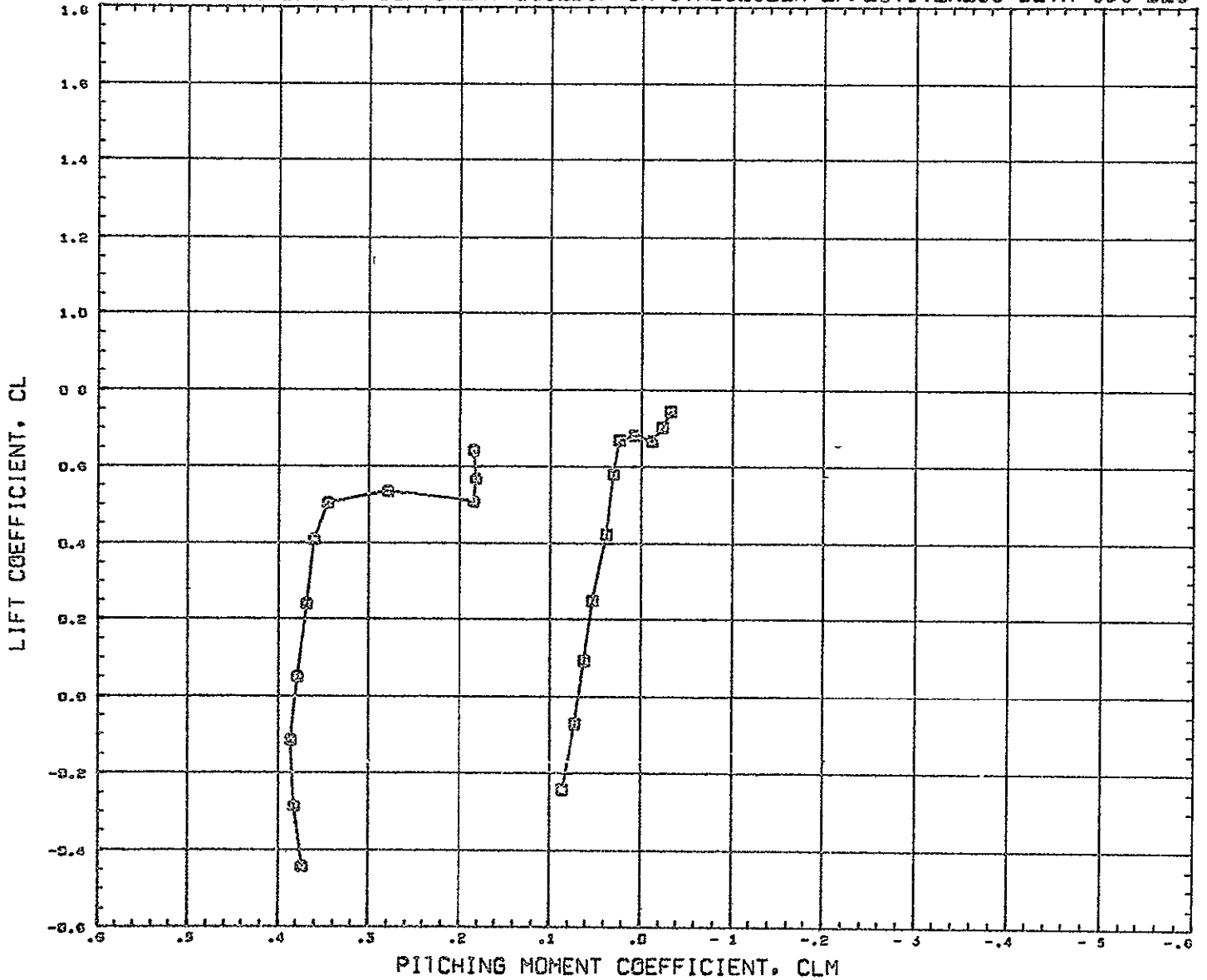


SYMBOL	MOR	PARAMETRIC VALUES			
○	- 10.000	MACH	0 259	BETA	0 000
□	0.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

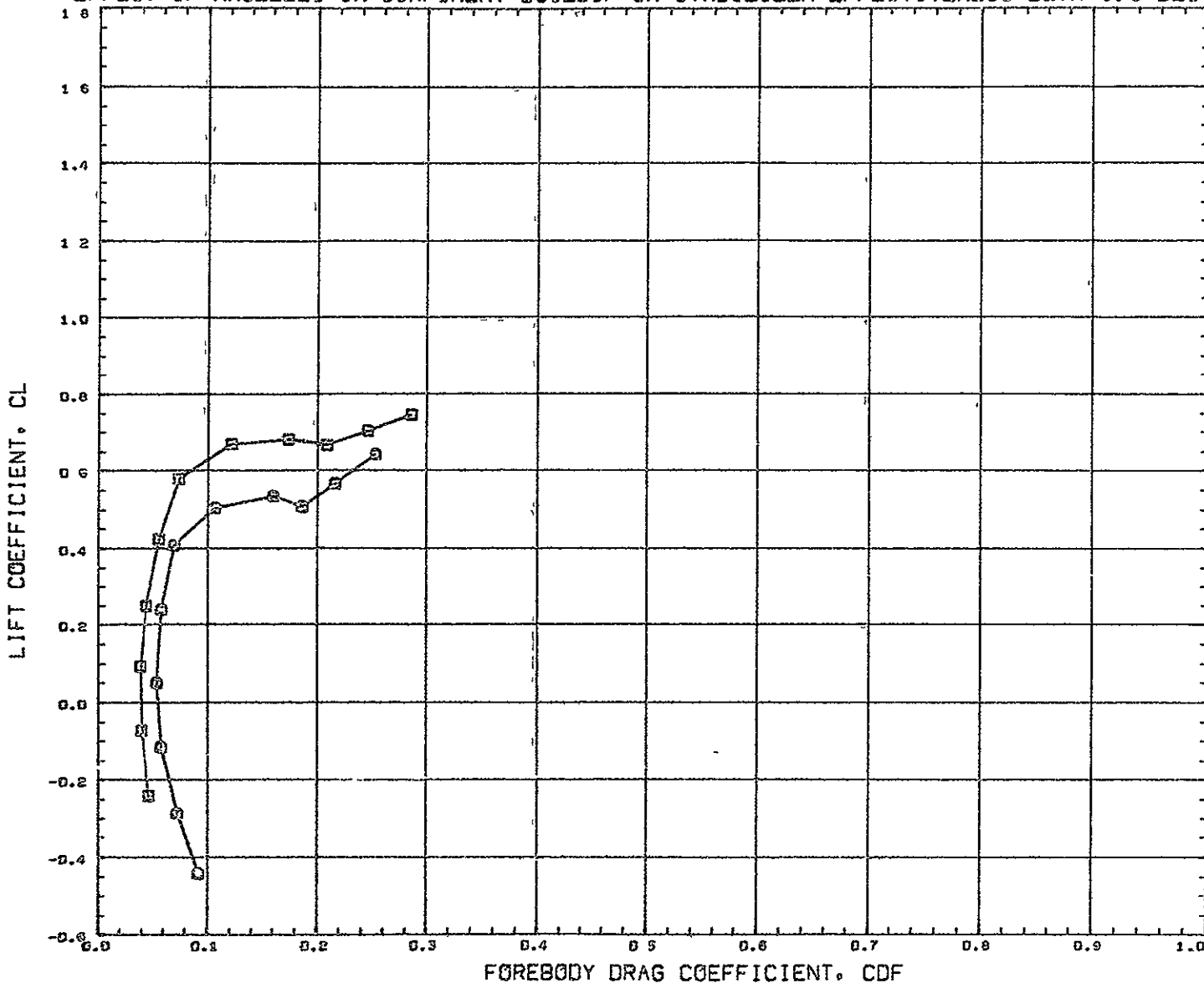


SYMBOL MCR PARAMETRIC VALUES
 ○ - 10.000 NACH 0 299 BETA 0 000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRP 9 8400 INCHES
 YHRP 0.0000 INCHES
 ZNRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NA4L 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

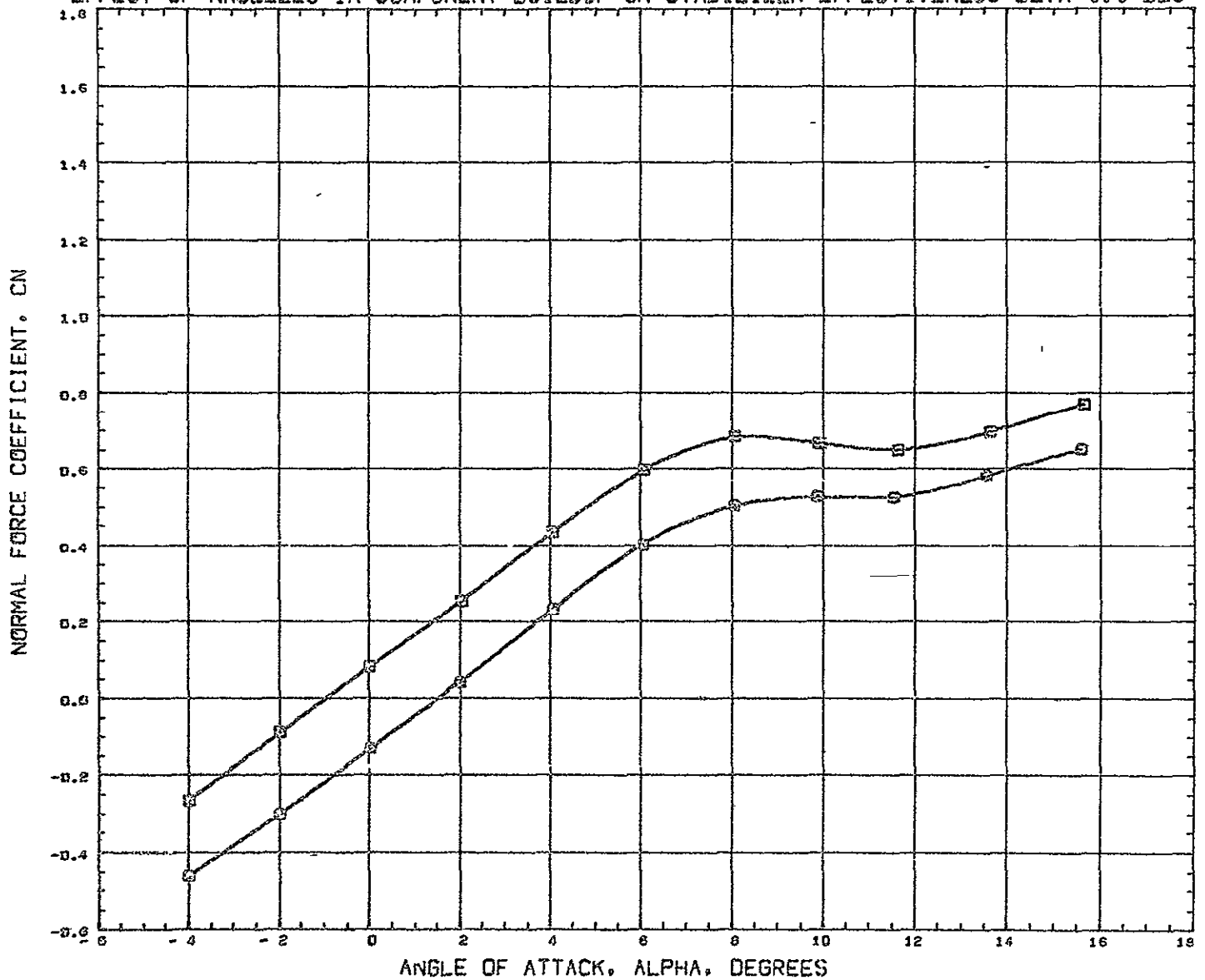


SYMBOL HCR PARAMETRIC VALUES
 ○ - 10.000 NACH 0.259 BETA 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

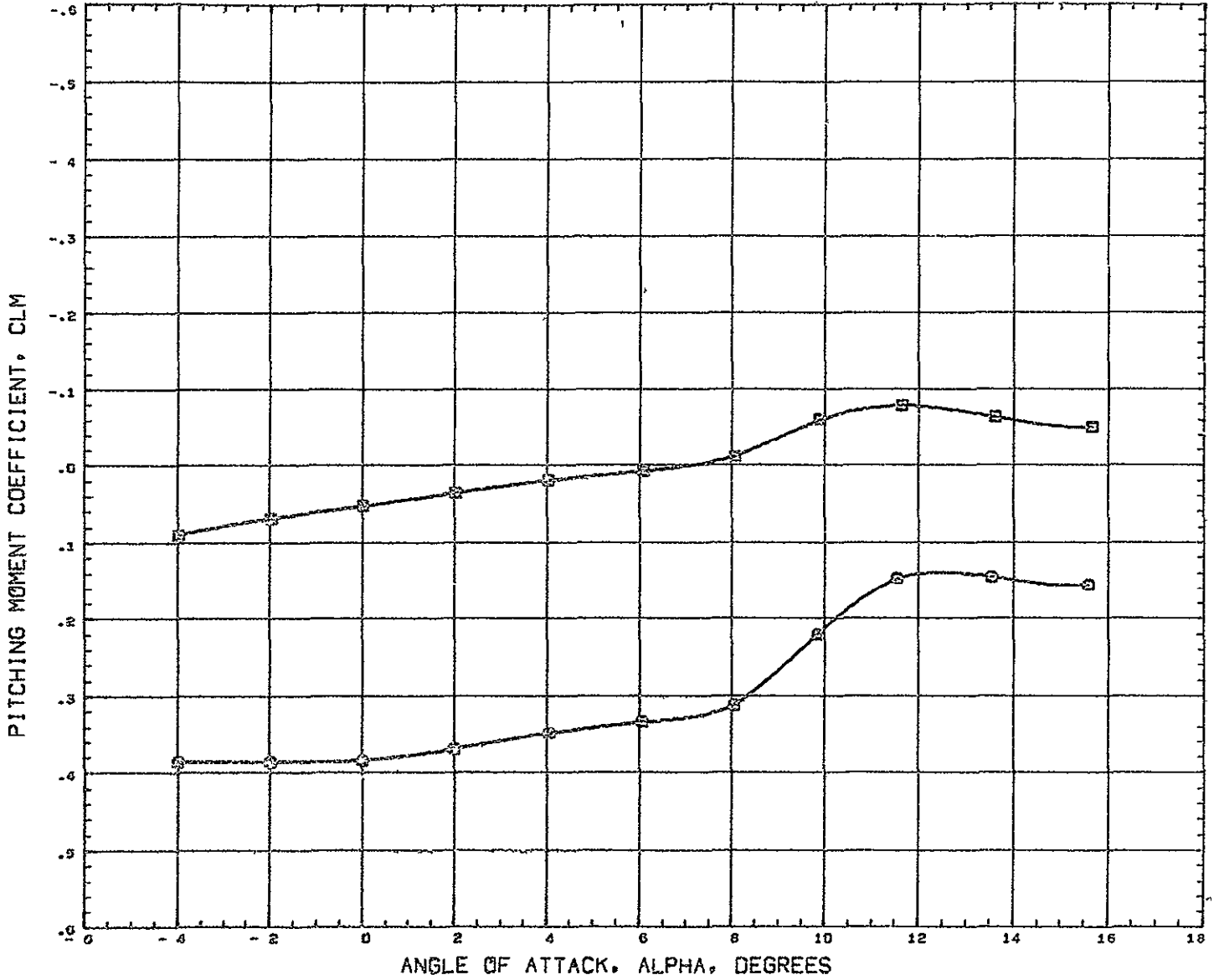


SYMBOL	MOR	PARAMETRIC VALUES
○	10.000	MACH 0.259 BETA 0.000
□	0.000	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 6400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

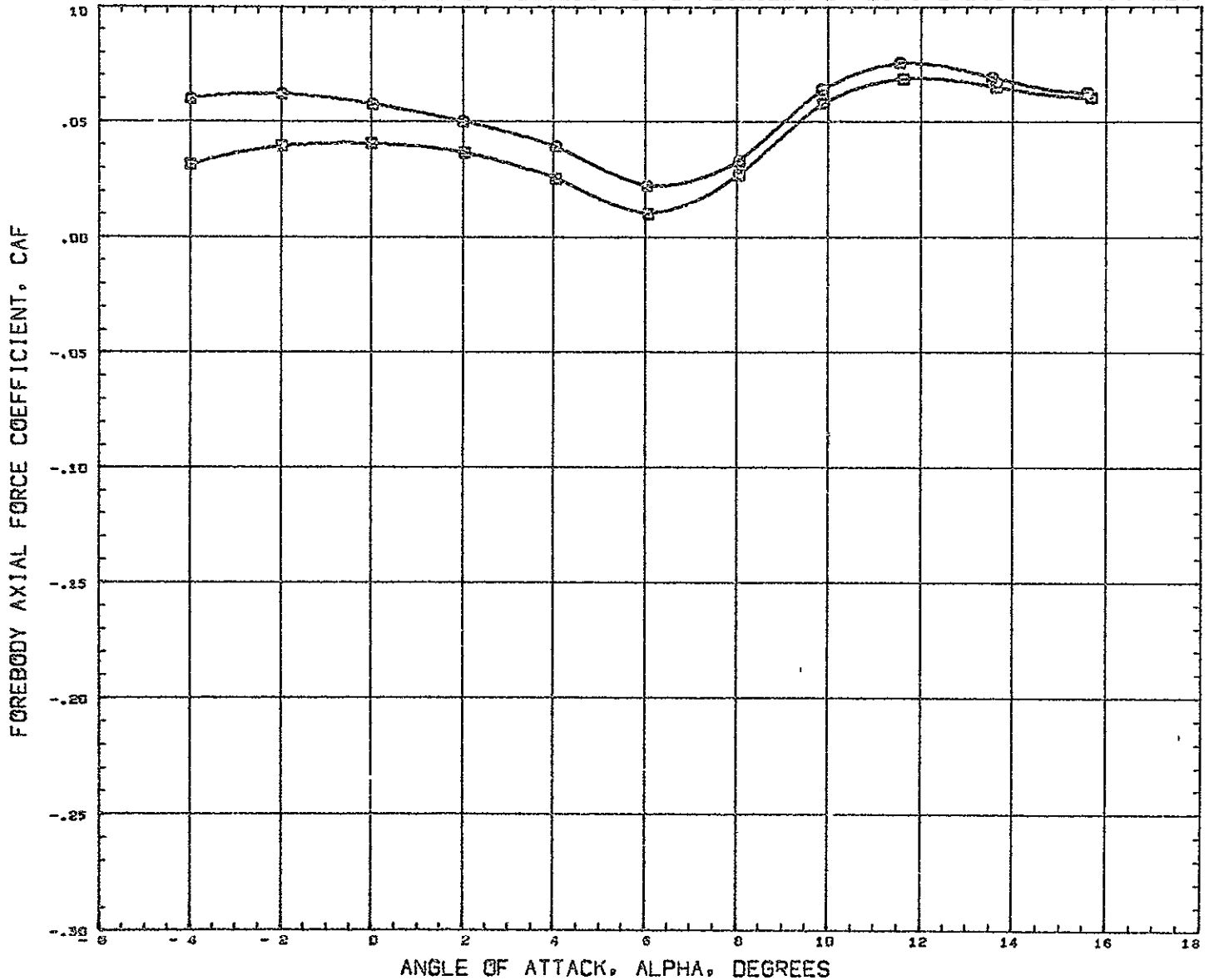


SYMBOL HOR PARAMETRIC VALUES
 O - 10 000 MACH 0.25° BETA 0.000
 □ 0 000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YJPP 0 0000 INCHES
 ZMFP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 HA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

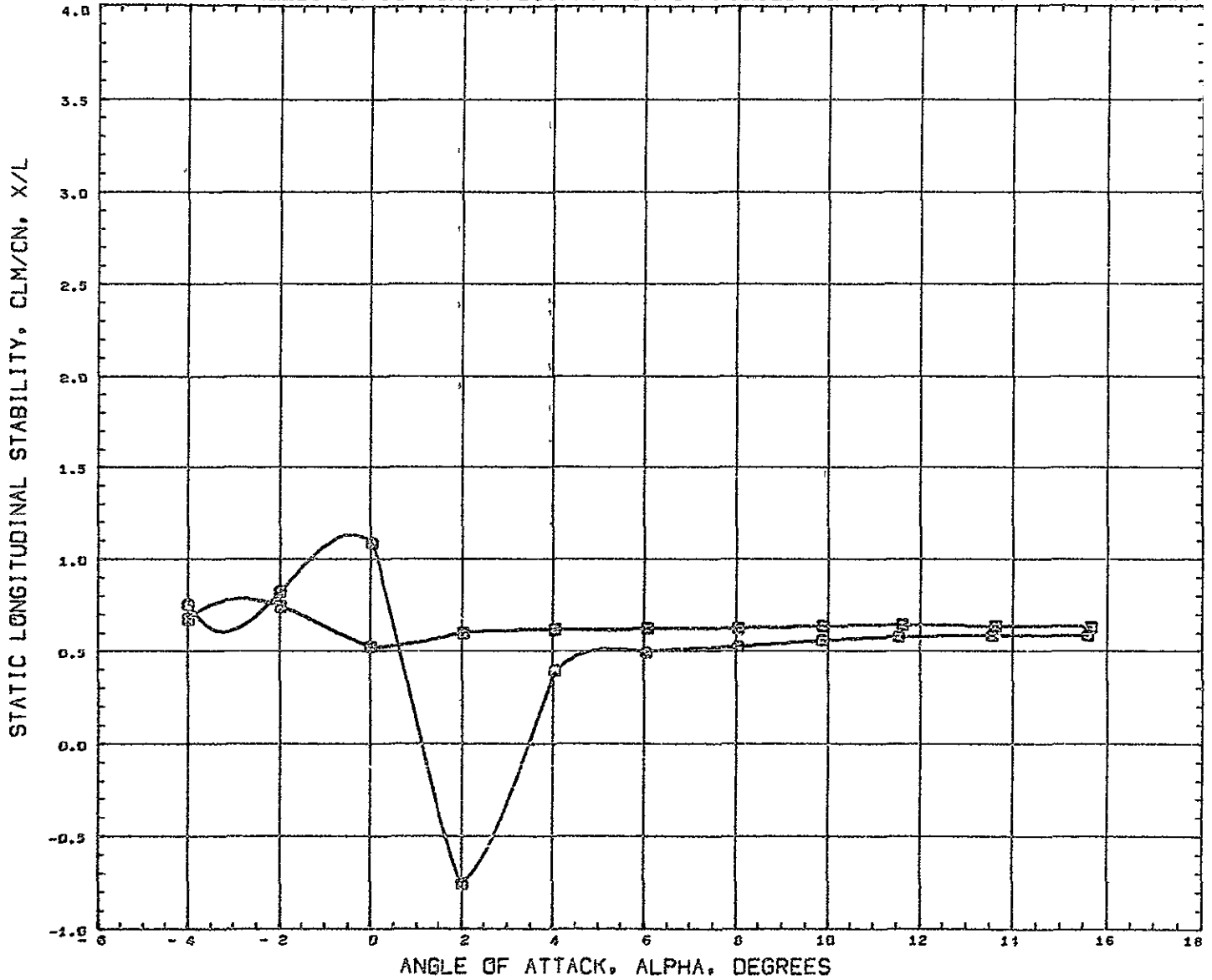


SYMBOL FOR PARAMETRIC VALUES
 O - 10.500 MACH 0.239 BETA 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ.FT
 REFL 15 7370 INCHES
 REFB 11.3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

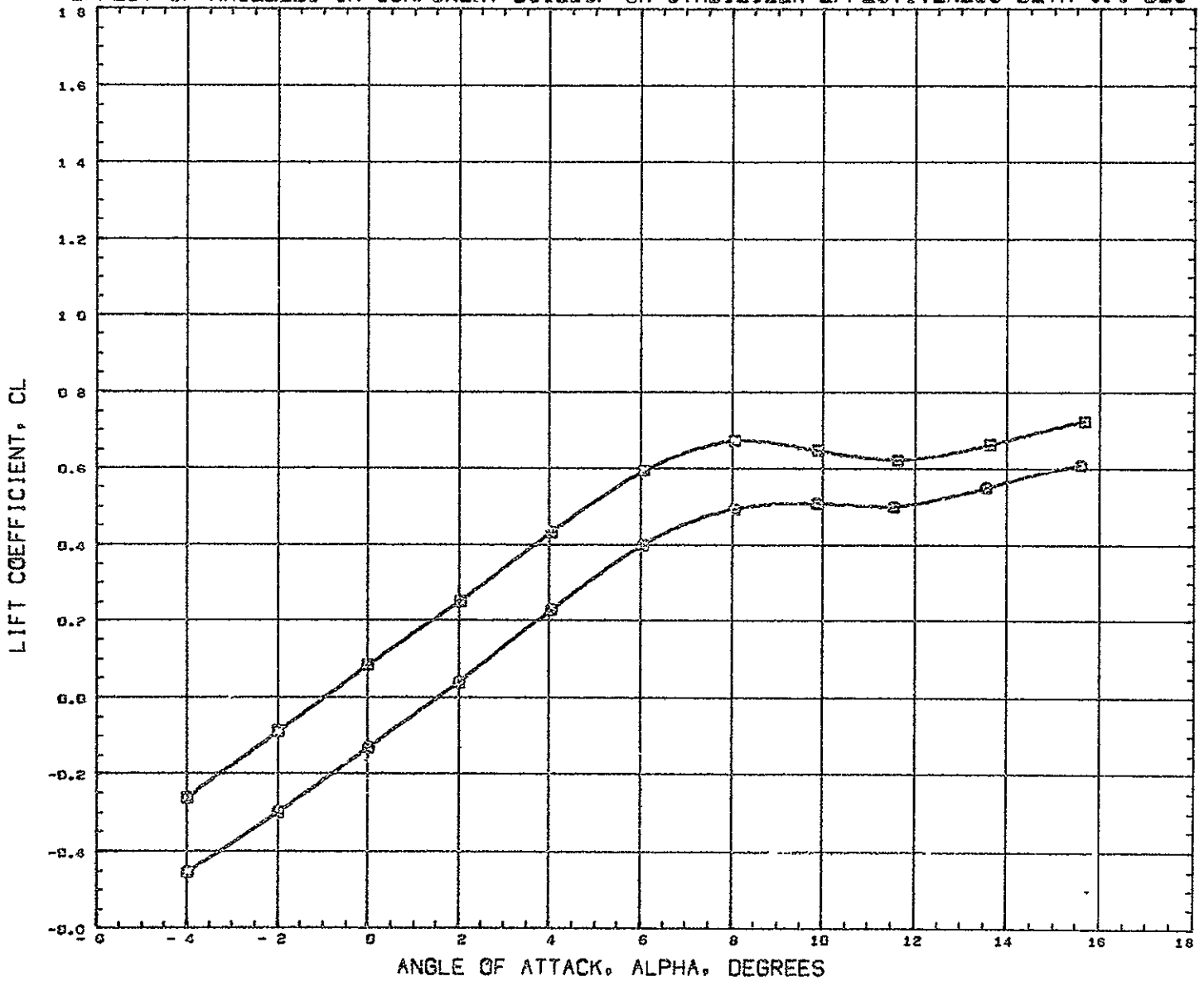


SYMBOL MOR PARAMETRIC VALUES
 O - 10.000 MACH 0 259 BETA 0 000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

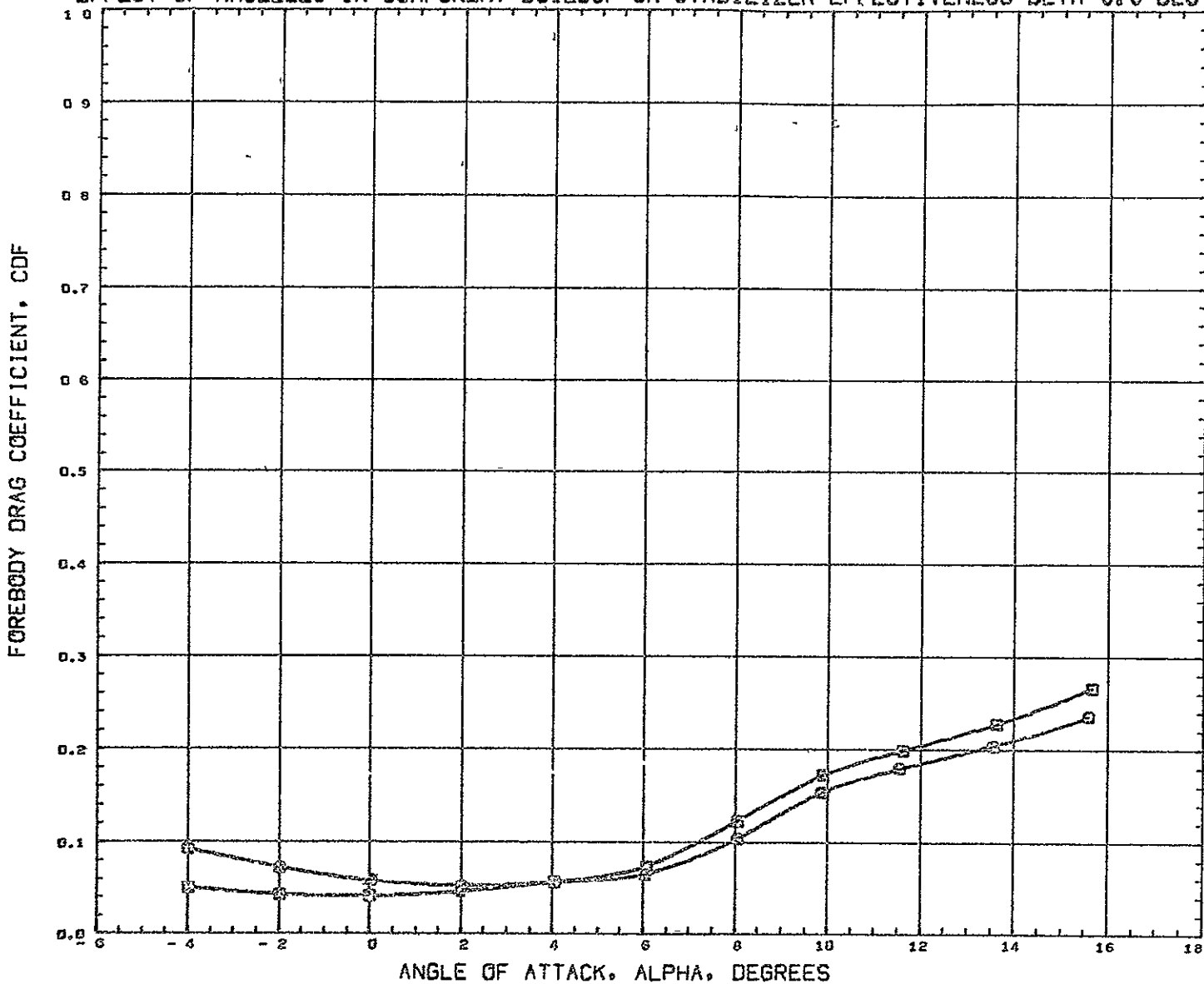


SYMBOL MACH PARAMETRIC VALUES
 O - 10.000 MACH 0 259 BETA 0.000
 O 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

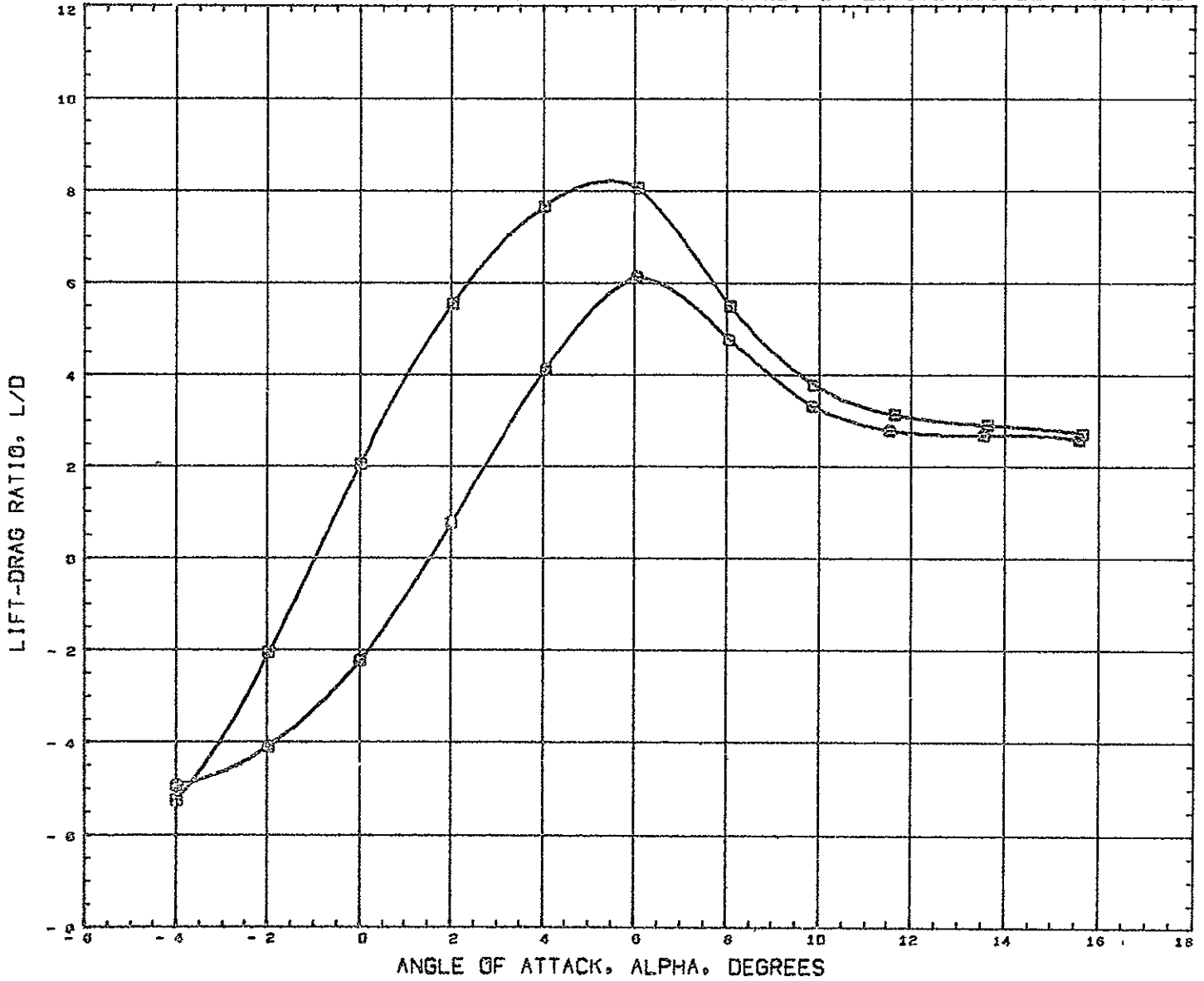


SYMBOL	MOR	PARAMETRIC VALUES			
○	- 10 000	HACH	0.259	BETA	0 000
□	0.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNPP	0 8400	INCHES
YNRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

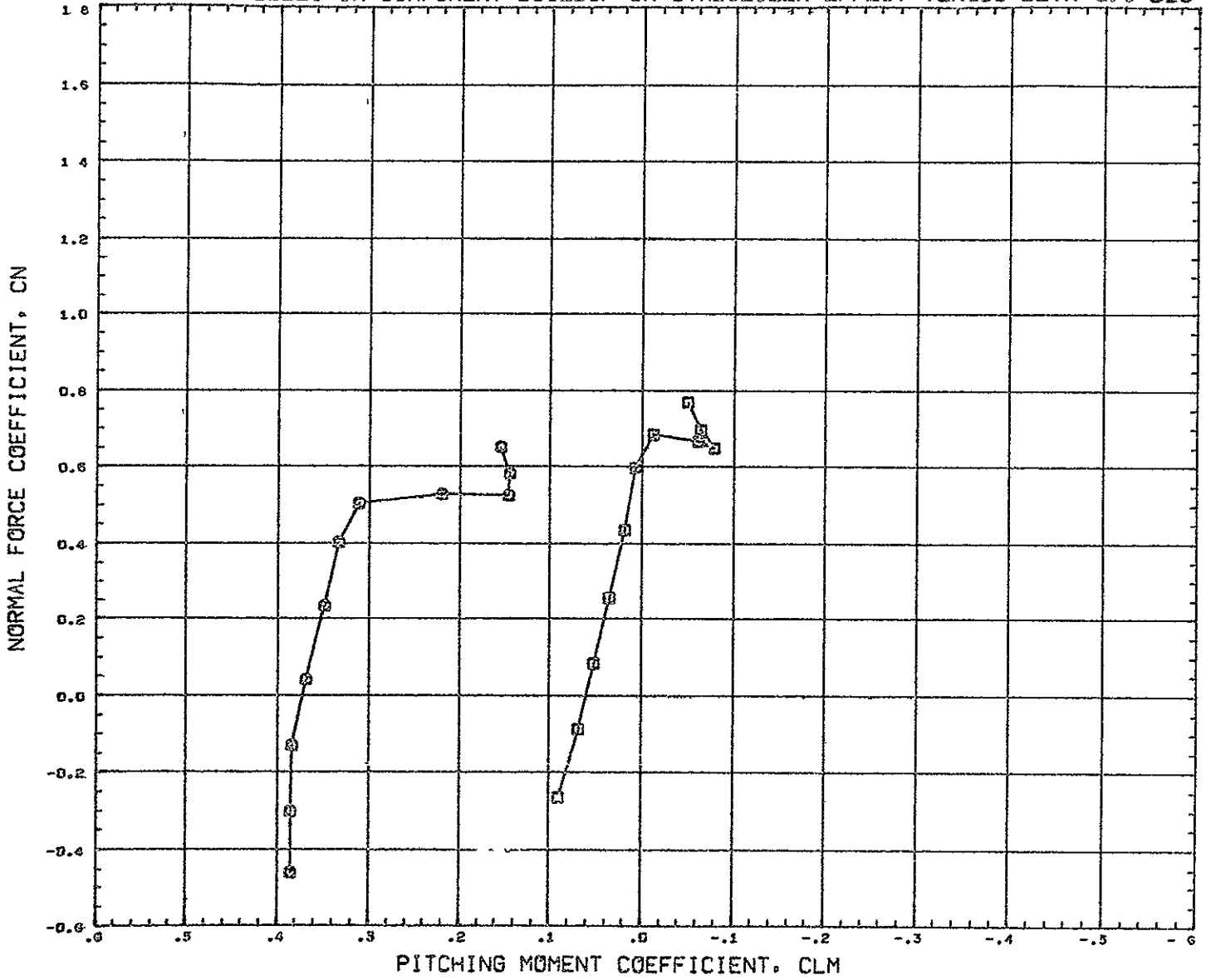


SYMBOL FOR PARAMETRIC VALUES
 □ - 10 000 NACH 0.259 BETA 0.000
 ○ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15.7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

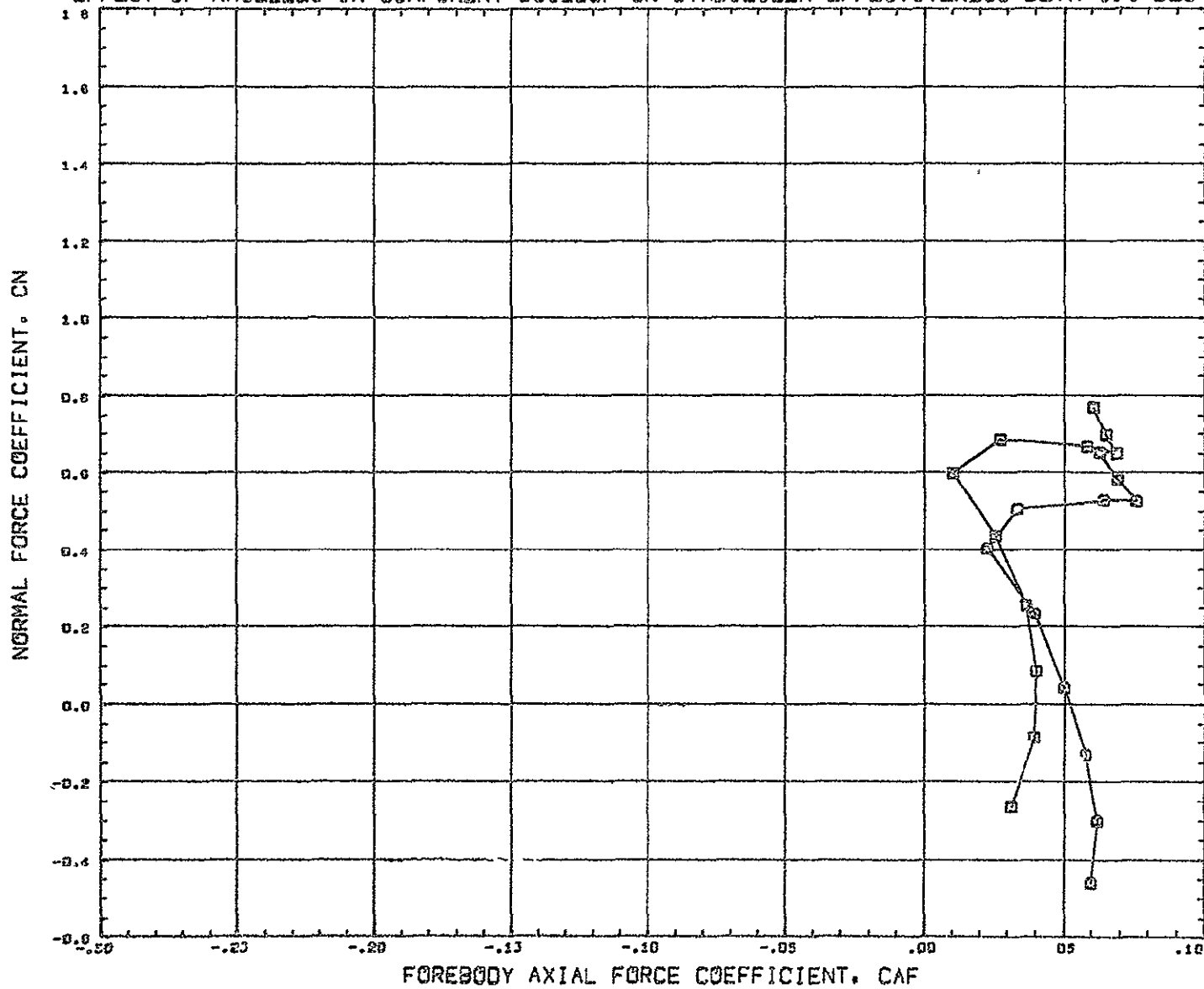


SYMBOL HOR PARAMETRIC VALUES
 ○ - 10 000 MACH 0 259 BETA 0 000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

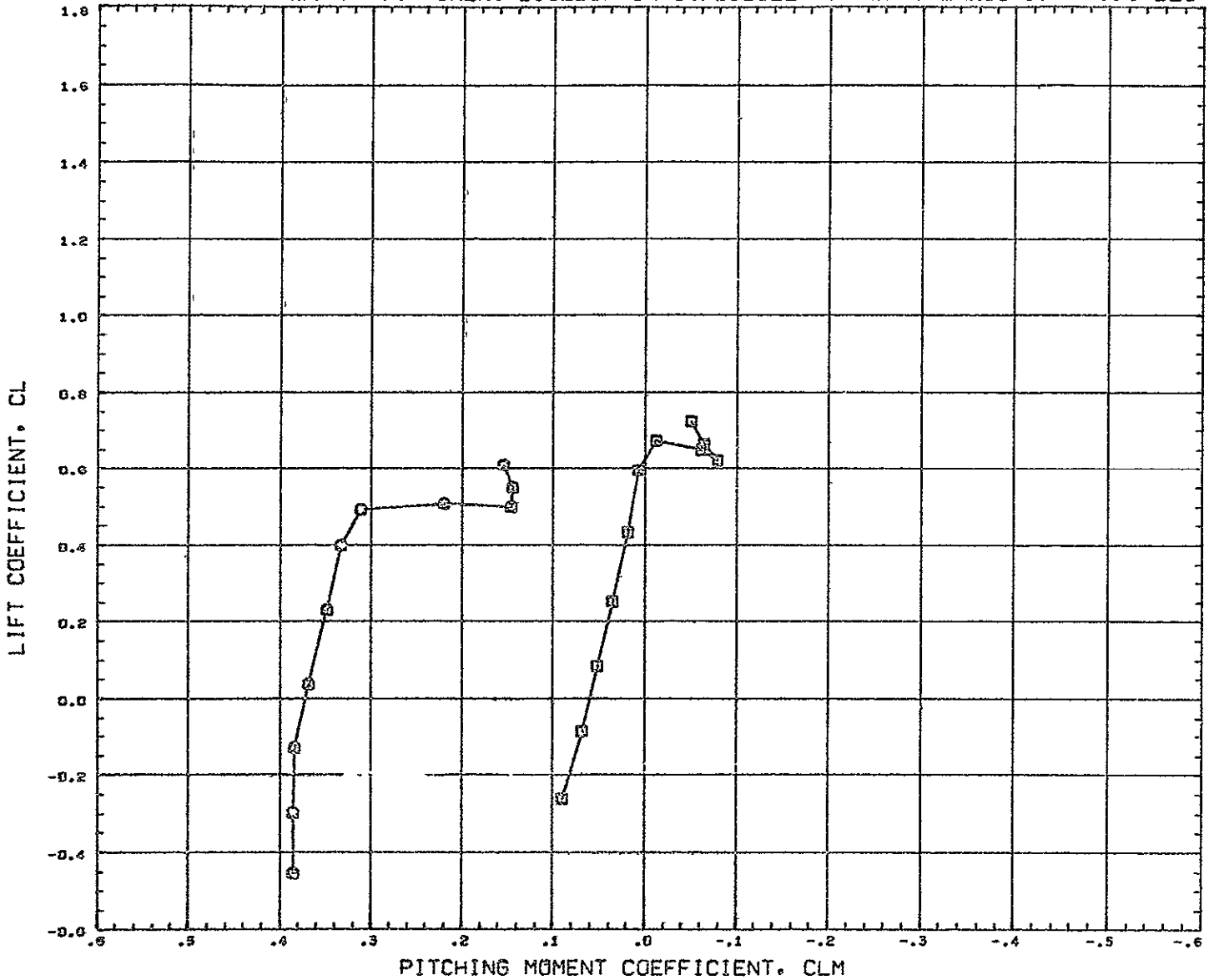


SYMBOL	HOR	PARAMEPIC VALUES
□	- 10.000	HACH 0.259 BETA 0.000
□	0.000	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11.3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 HA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=0.0 DEG

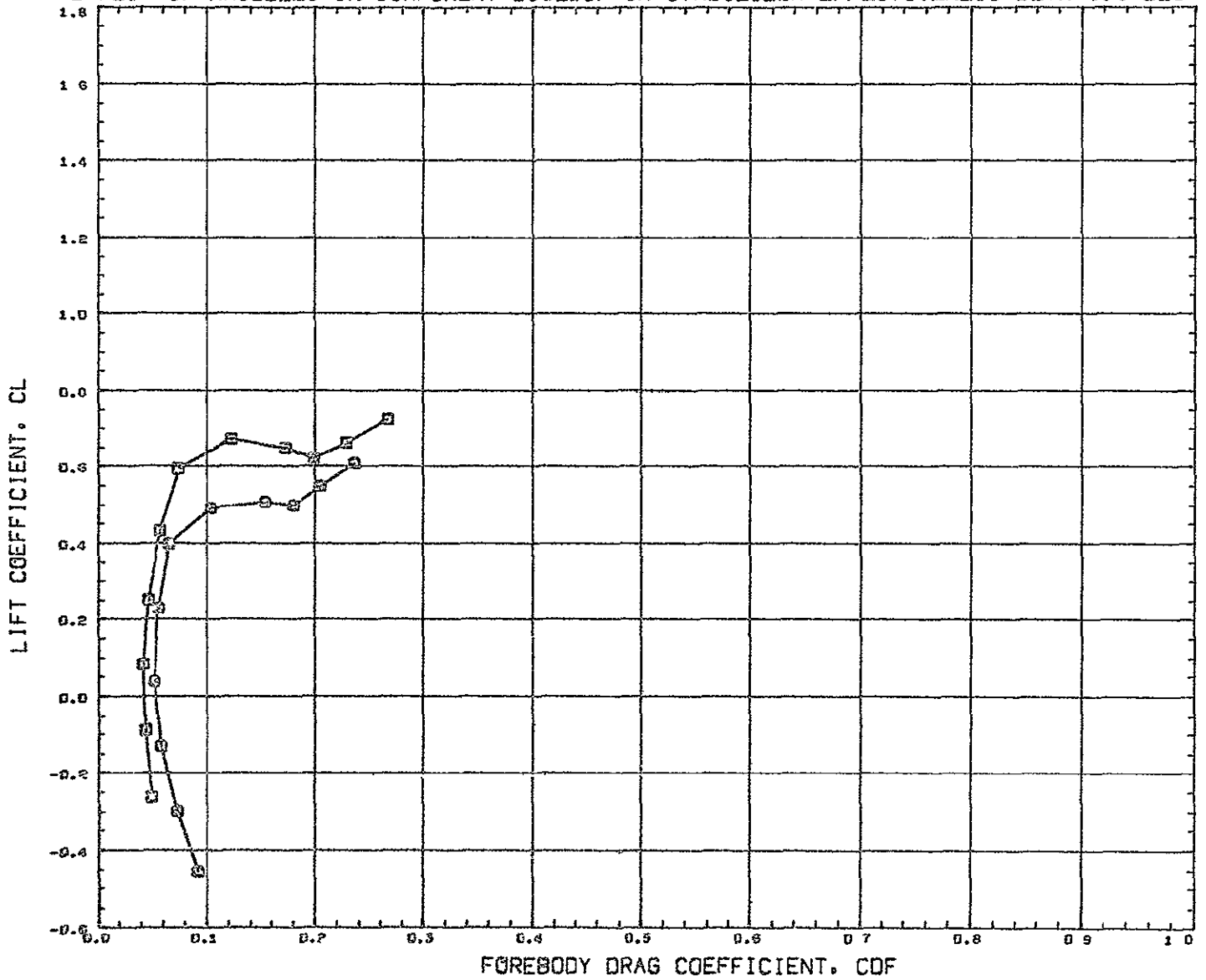


SYMBOL HCR PARAMETRIC VALUES
 ○ - 10.000 NACH 0.239 SET. 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRP 9 8400 INCHES
 YNRP 0 0000 INCHES
 ZNRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NALESSES IN COMPONENT BUILDUP ON STABILIZER-EFFECTIVENESS BETA=0.0 DEG

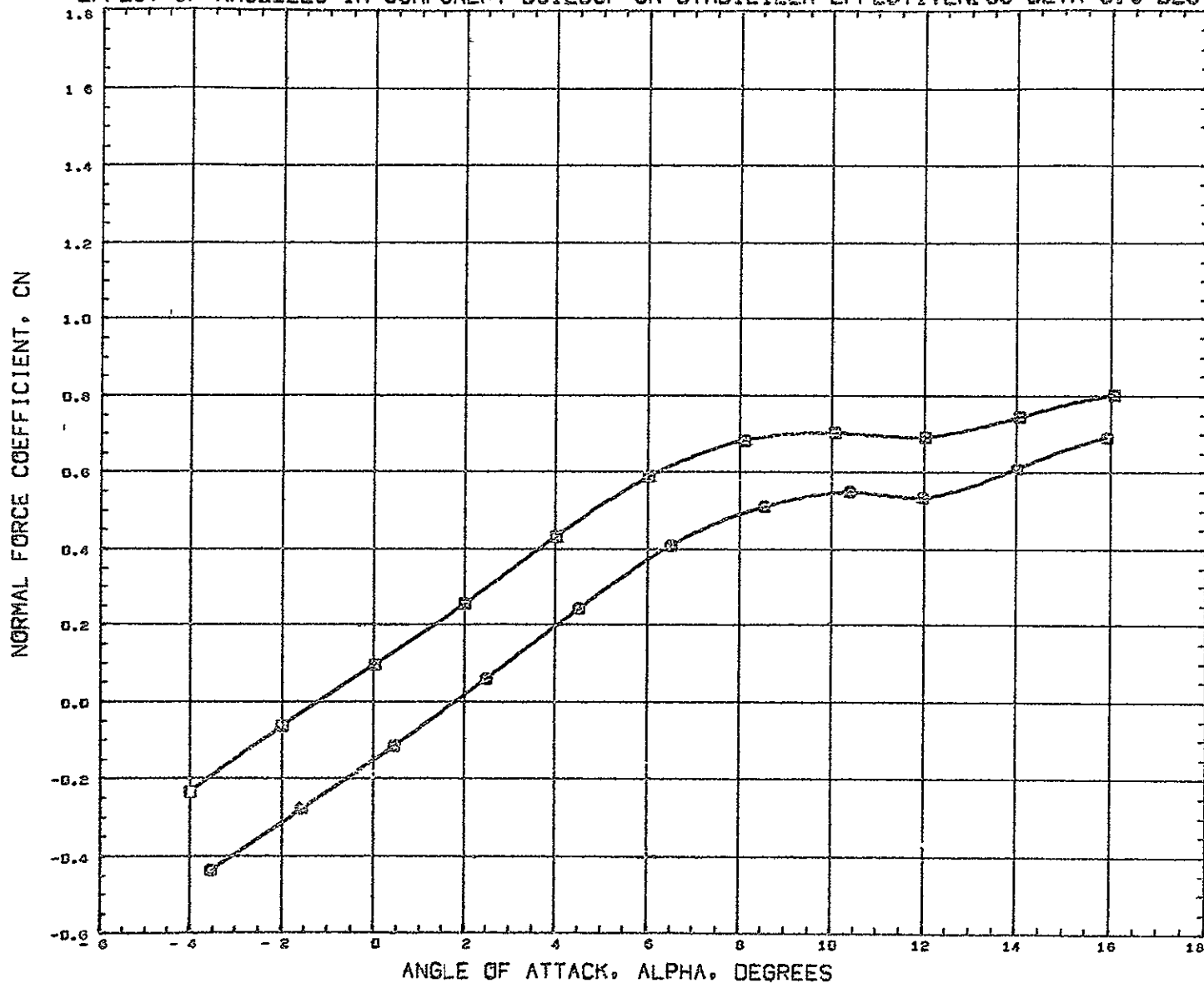


SYMBOL MCR PARAMETRIC VALUES
 O - 10.000 MACH 0.250 BETA 0.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9.8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 MA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

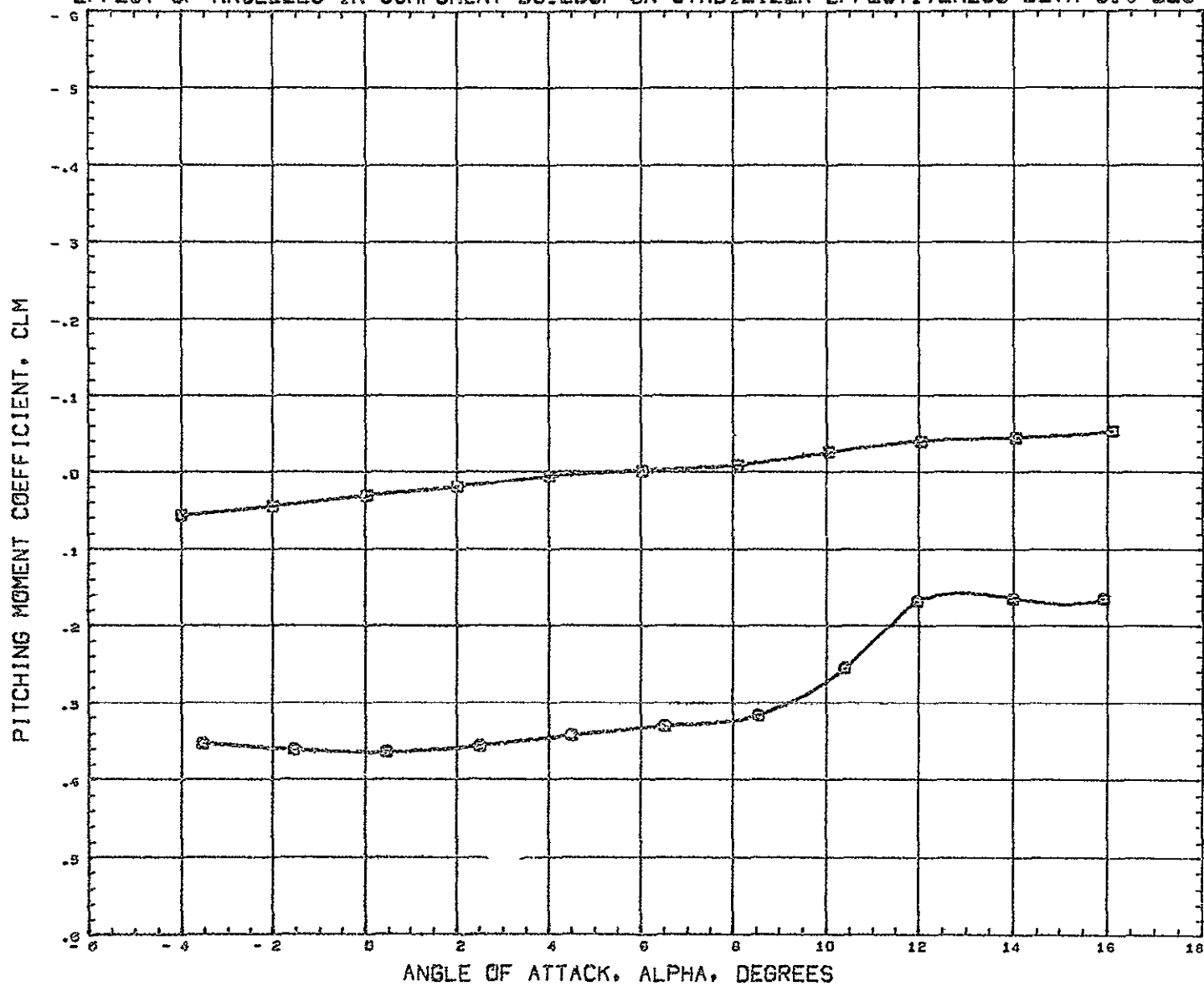


SYMBOL HOR MACH PARAMETRIC VALUES
 □ 10.000 0.259 BETA 5.000
 ○ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 PEFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-75

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

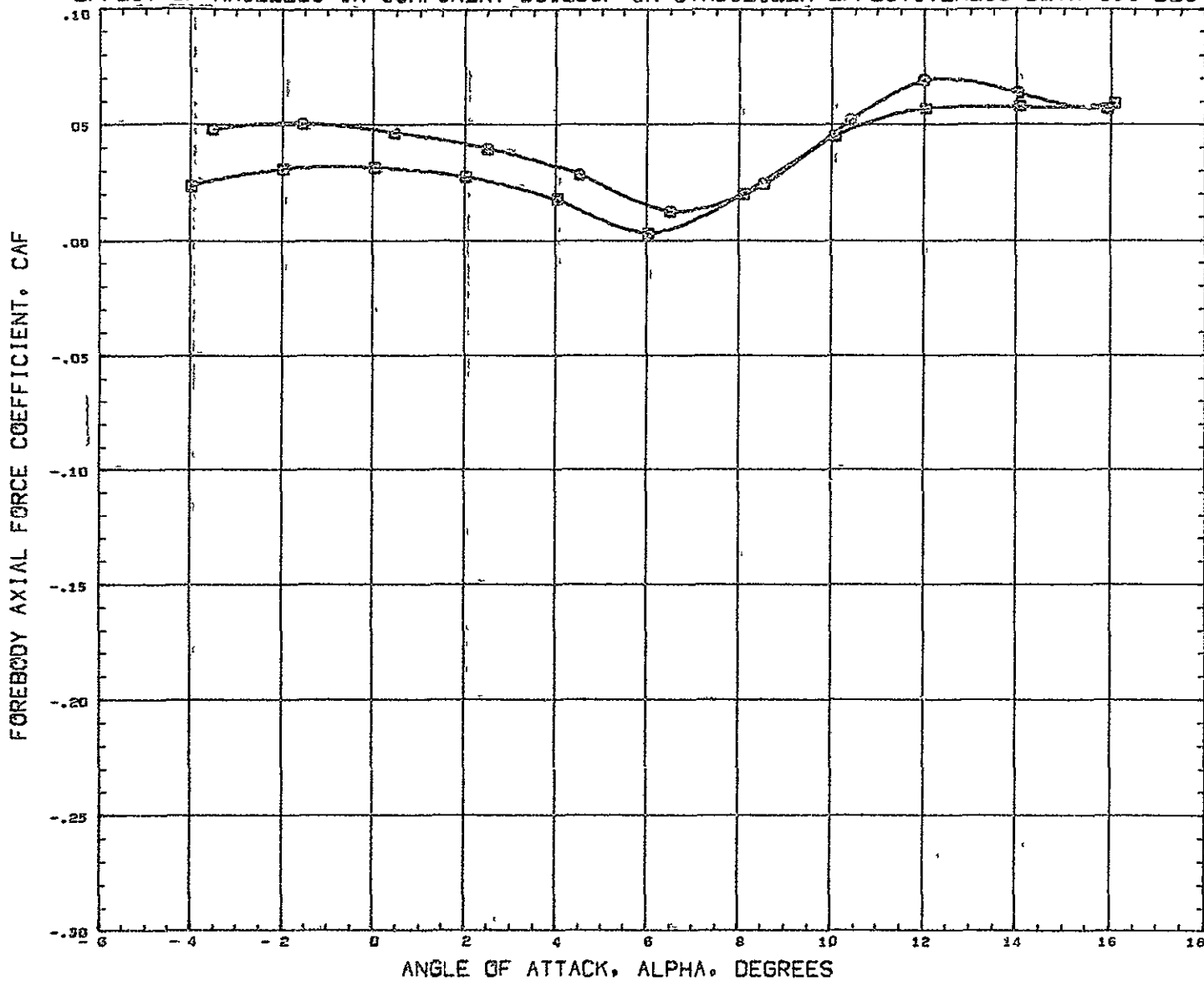


SYMBOL HOR PARAMETRIC VALUES
 ○ - 10.000 NACH 0.259 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

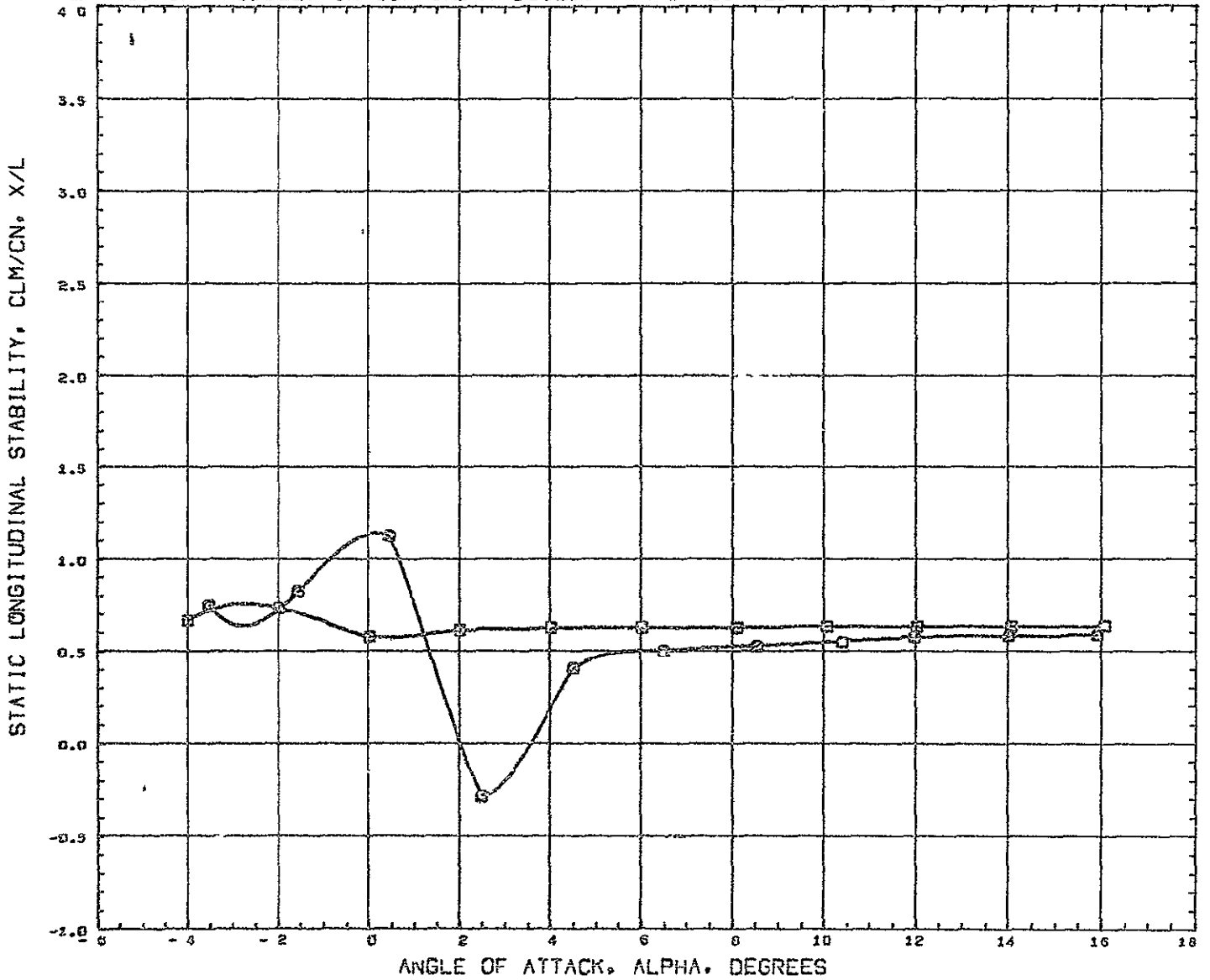


SYMBOL MACH PARAMETRIC VALUES
 C_{Df} - 10.000 MACH 0.259 BETA 5.000
 C_{L_f} 0.000

REFERENCE INFORMATION
REFS 0 1790 SQ FT
REFL 15.7370 INCHES
REFB 11 3390 INCHES
XMRP 9 6400 INCHES
YMRP 0 0000 INCHES
ZMRP 0 3840 INCHES
SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG



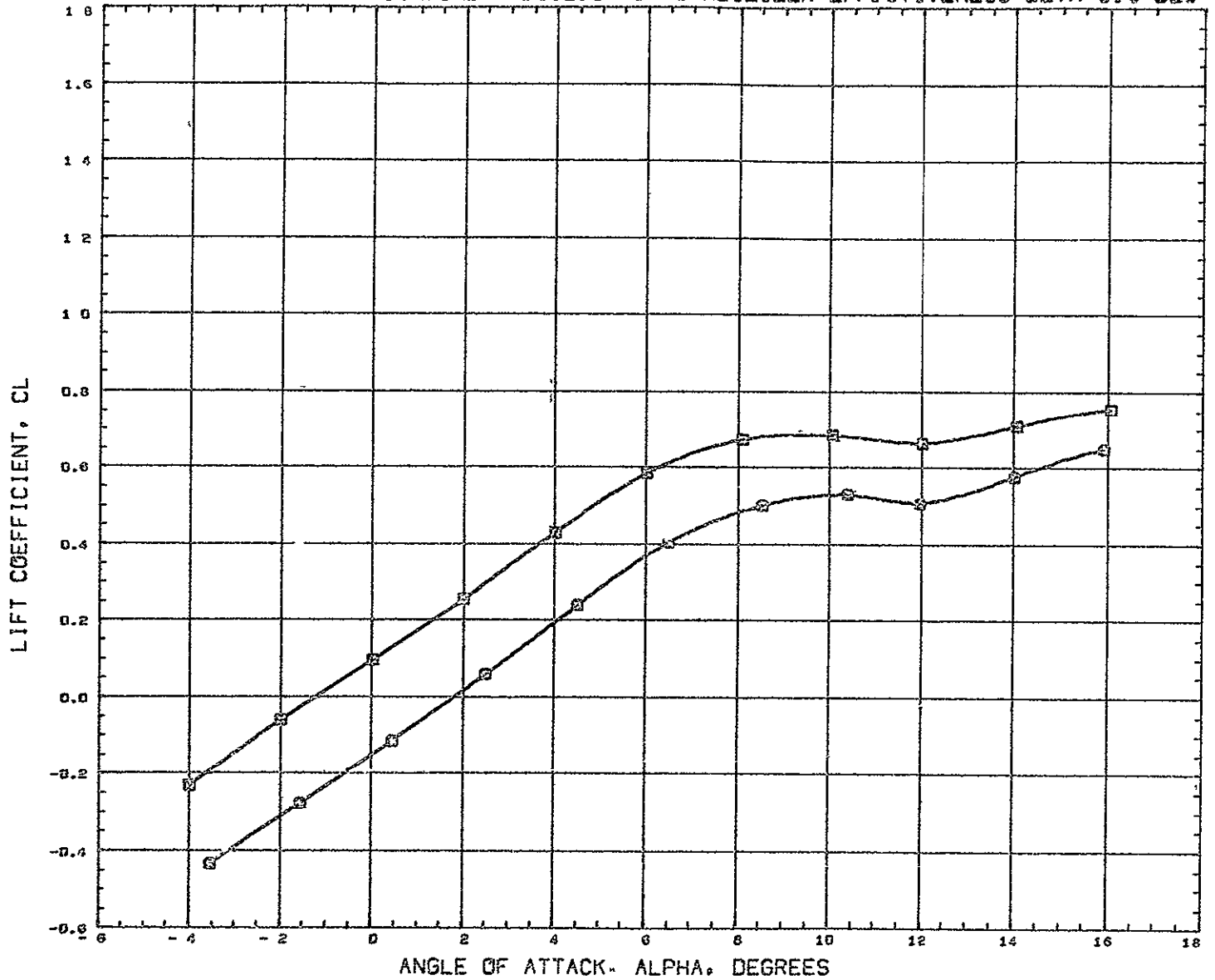
SYMBOL HQF
 ○ - 10 000 MACH
 □ 0.000

PARAMETRIC VALUES
 0.259 BETA 5.000

REFERENCE INFORMATION
 REFS 0.1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

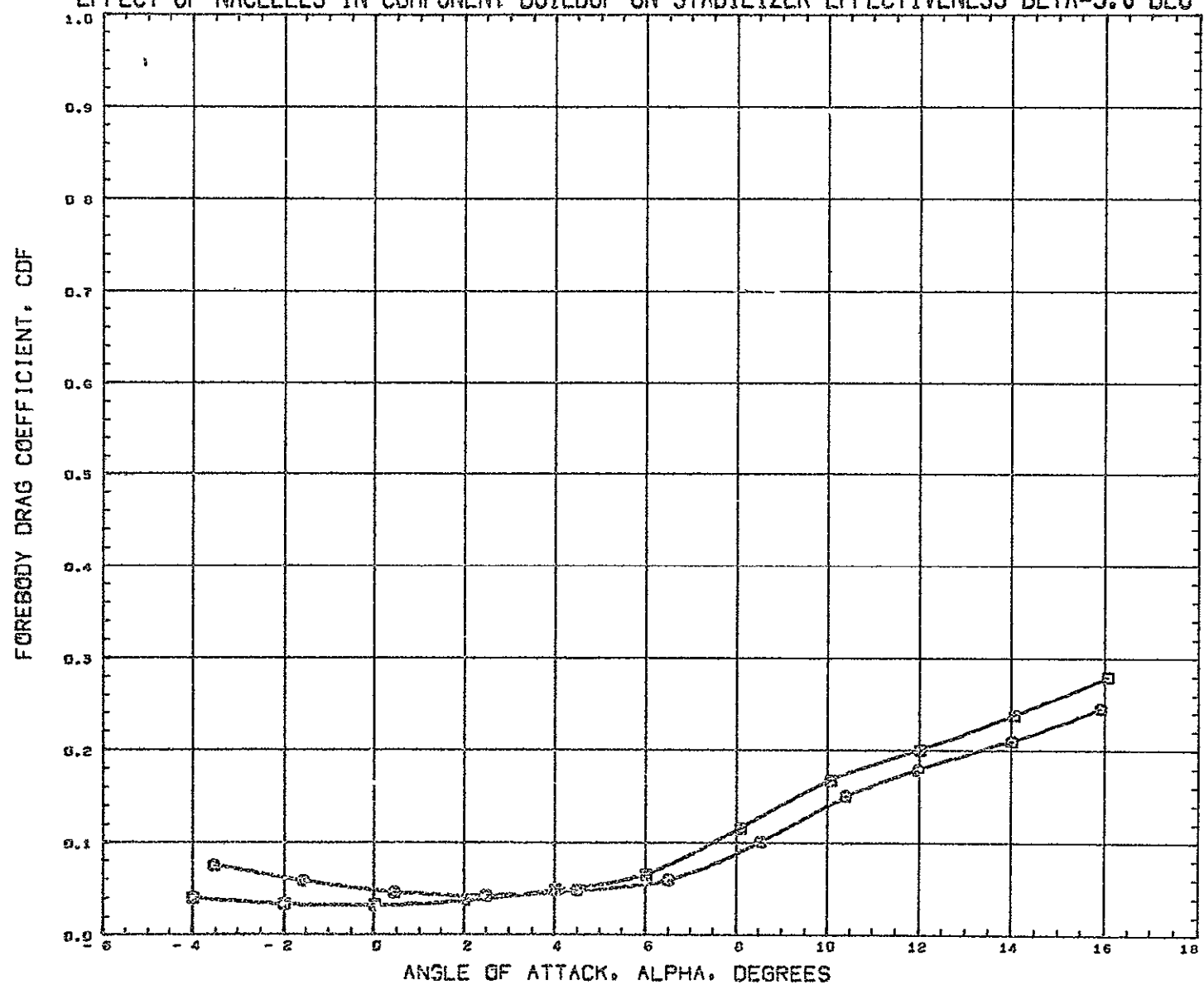


SYMBOL HOR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XAPP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

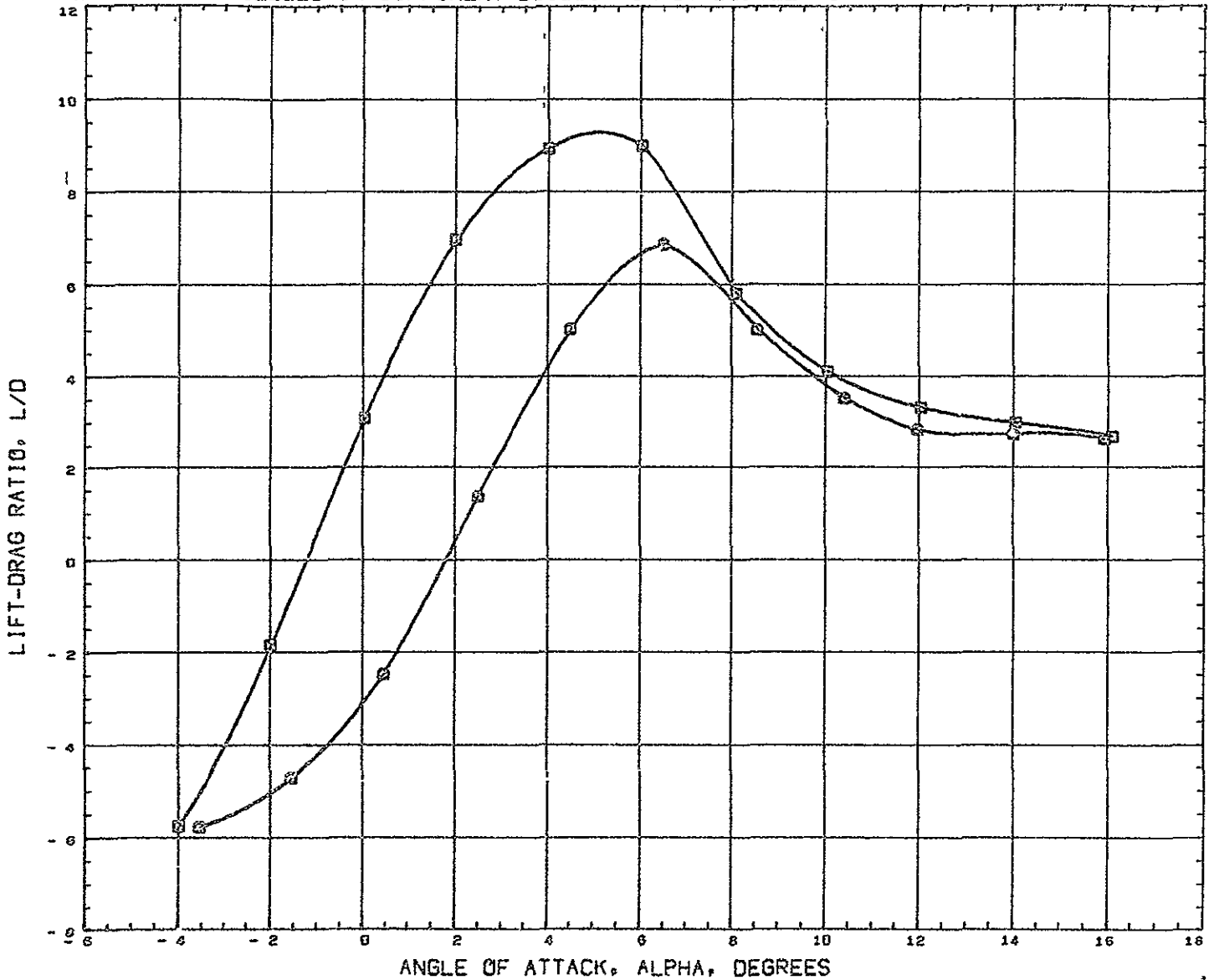


SYMBOL (HOR) PARAMETRIC VALUES
 O - 10.000 hACH 0.259 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 PEFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG



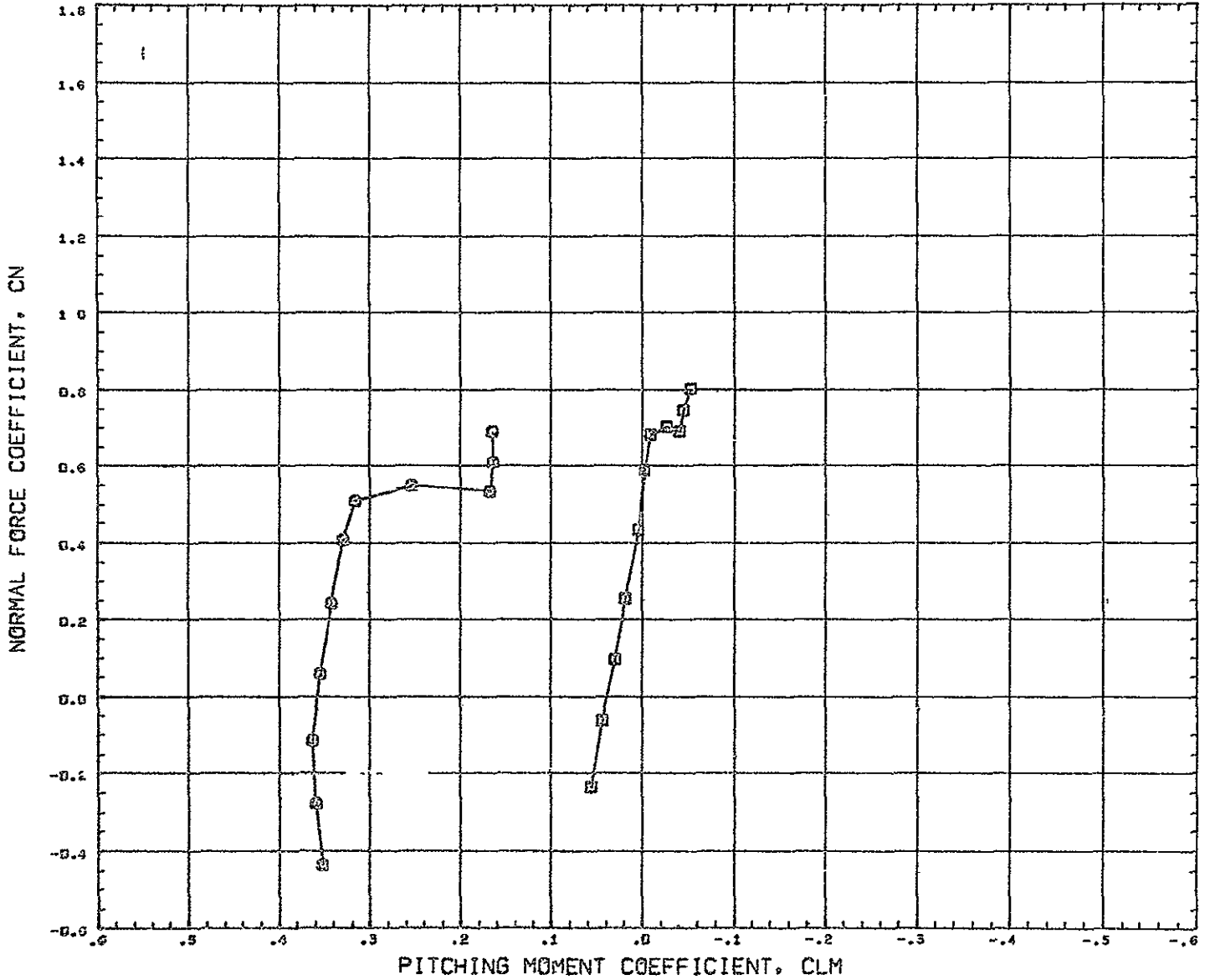
SYMBOL HOR PARAMETRIC VALUES
 □ - 10 000 MACH 0 299 BETA 5 000
 ○ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNPF 9 8400 INCHES
 YNRF 0 0000 INCHES
 ZHRF - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

6-1309

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

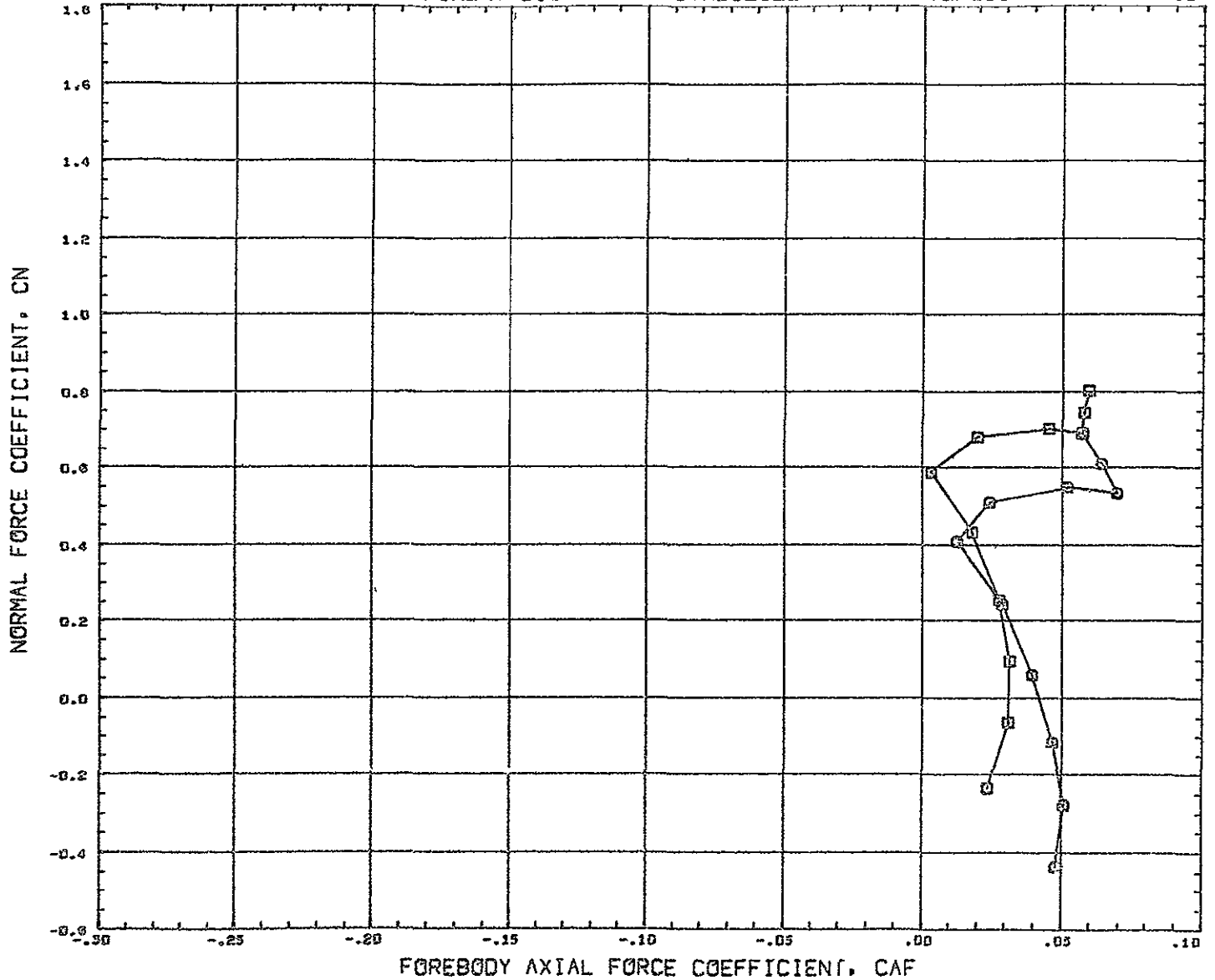


SYMBOL MCR PARAMETRIC VALUES
 O - 10.000 MACH 0.253 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 90 FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0.3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

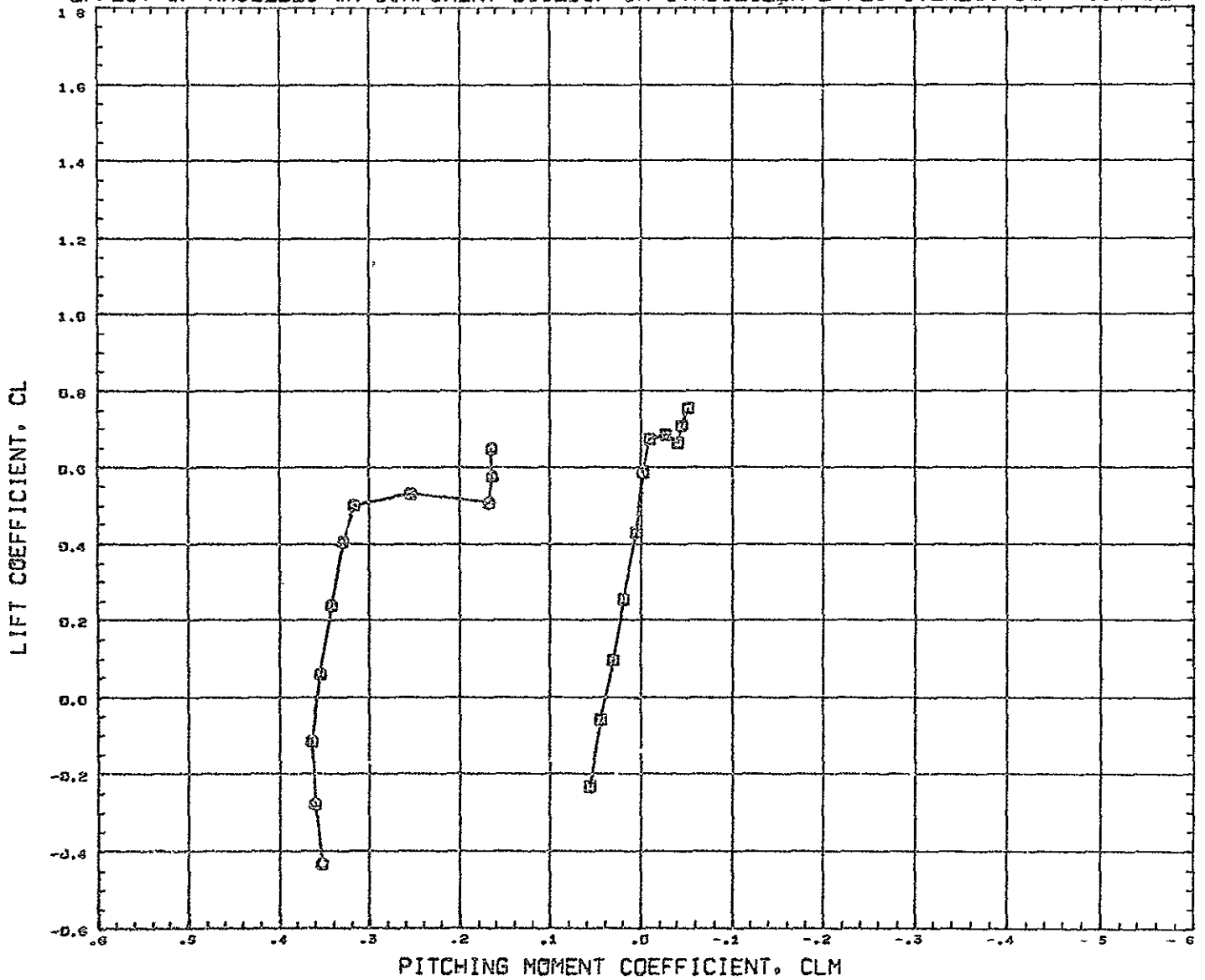


SYMBOL HOR PARAMETRIC VALUES
 ○ - 10 000 MACH 0.259 BETA 5 000
 □ 0 000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

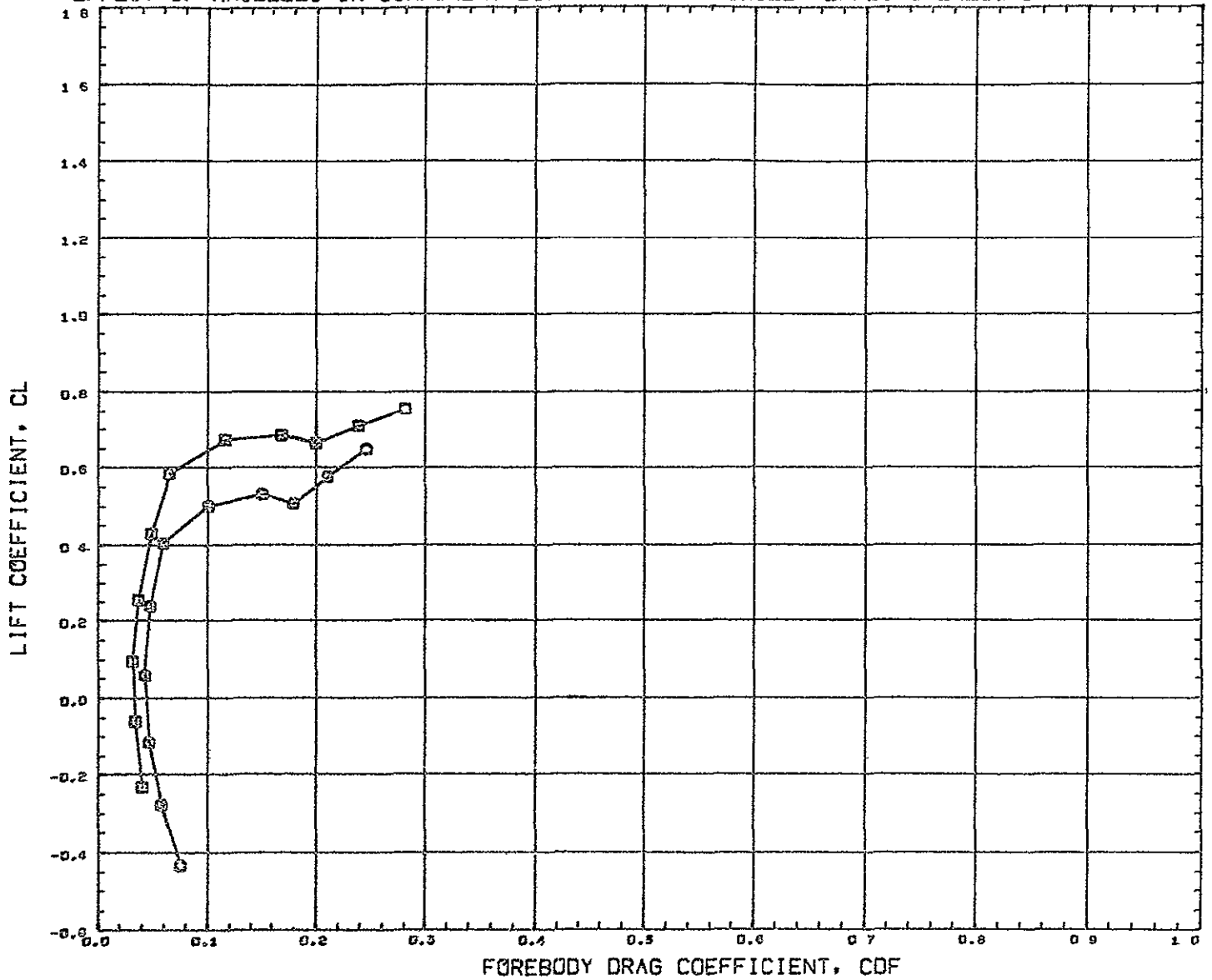


SYMBOL FOR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0,0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZED EFFECTIVENESS BETA=5.0 DEG

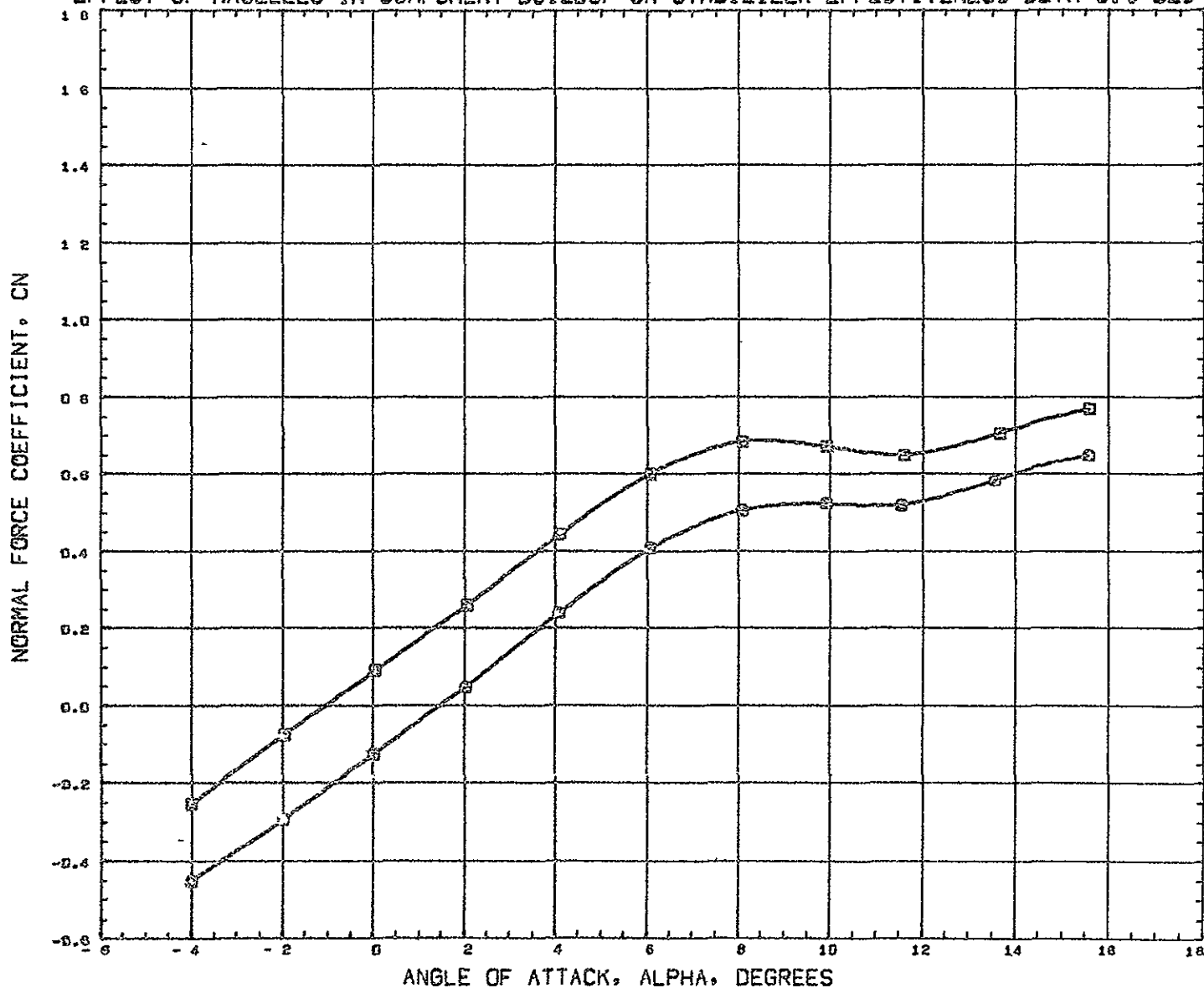


SYMBOL MOR PARAMETRIC VALUES
 ○ - 10.000 MACH 0 259 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0.1790 SQ. FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0.0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

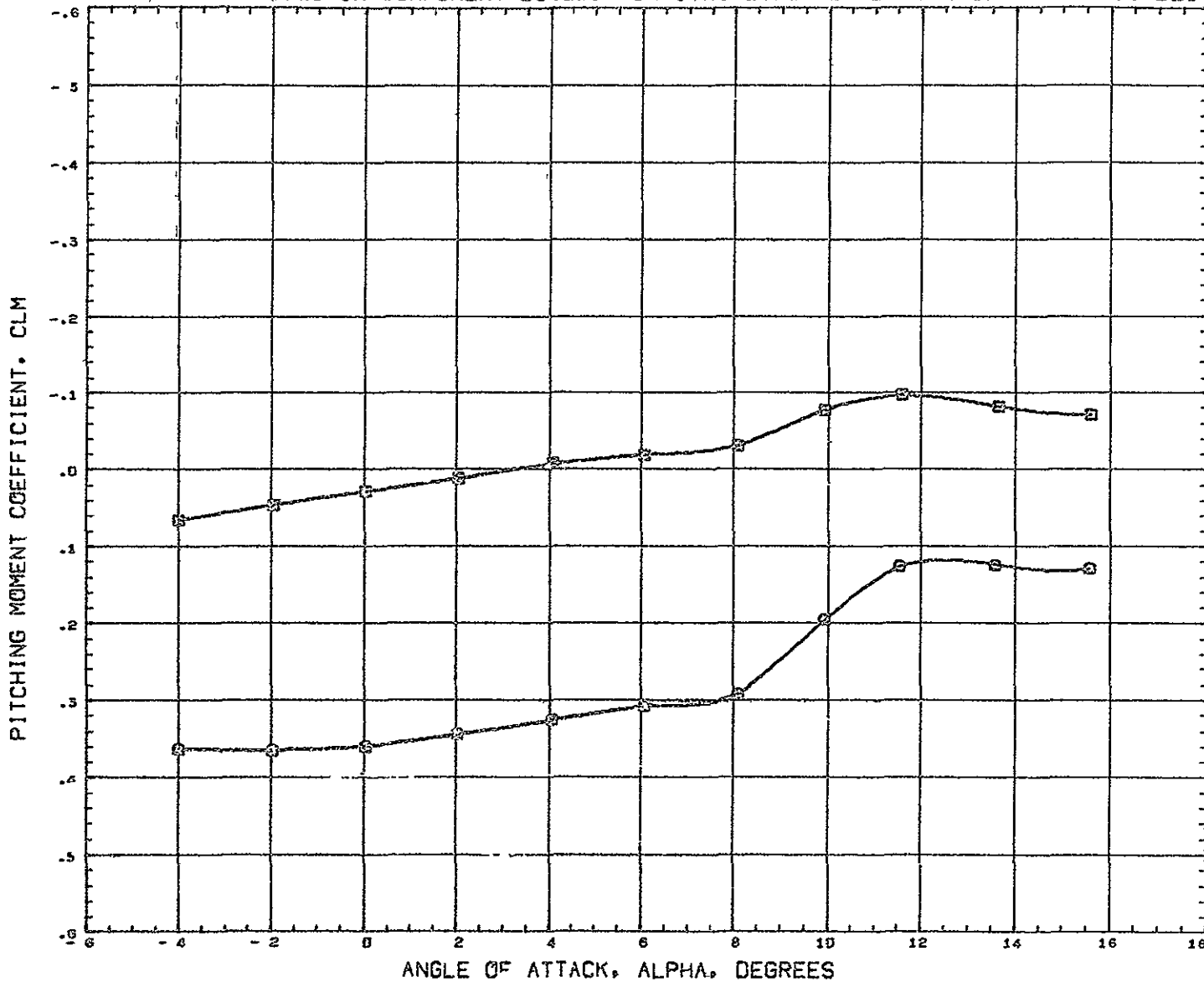


SYMBOL	MOR	PARAMETRIC VALUES
○	- 10.000	MACH 0.259 BETA 5.000
□	0.000	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG



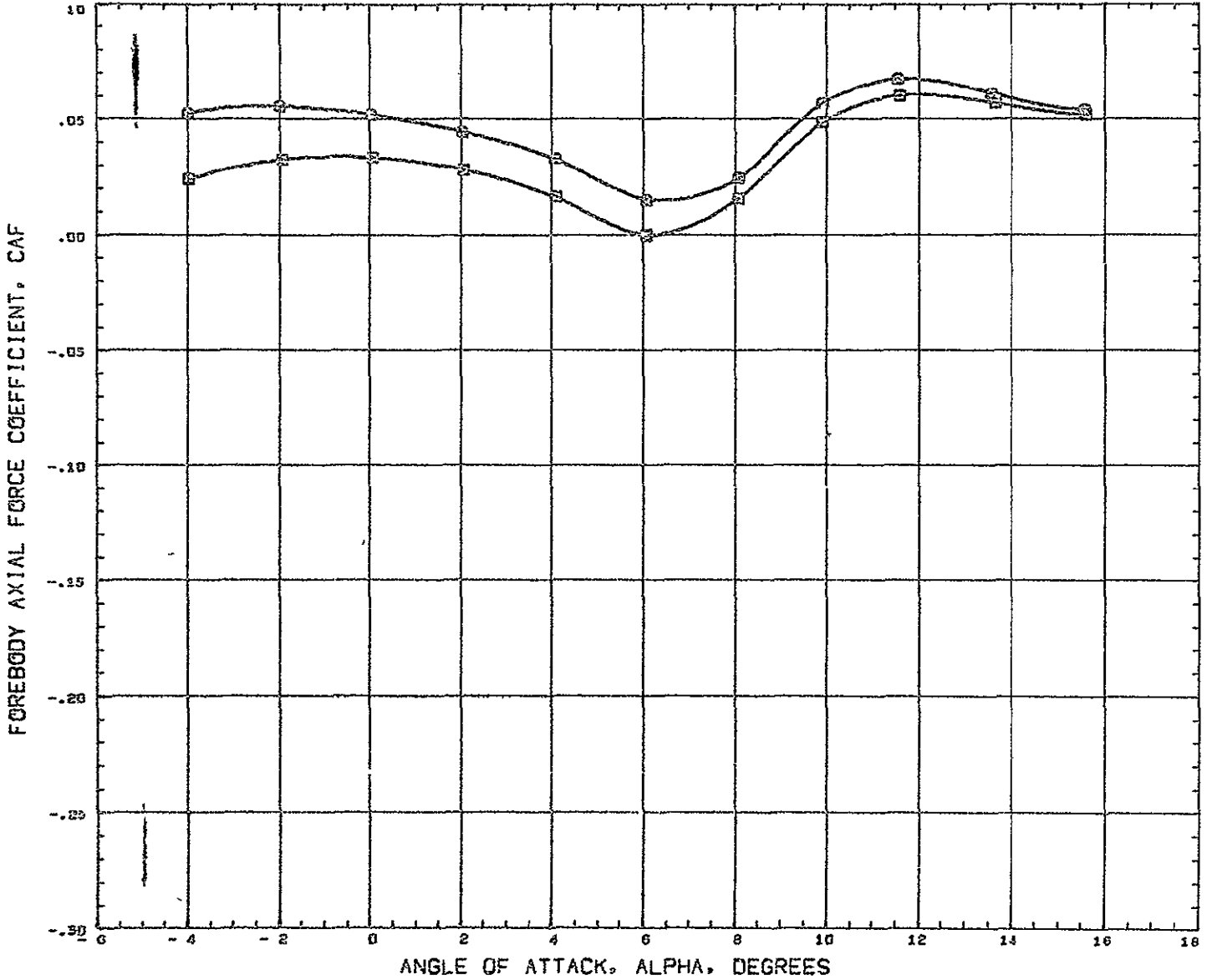
SYNDCL HOR
 00 - 10.000 HACH
 00 0.000

PARAMETRIC VALUES
 0 259 BETA 5 000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 PEFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

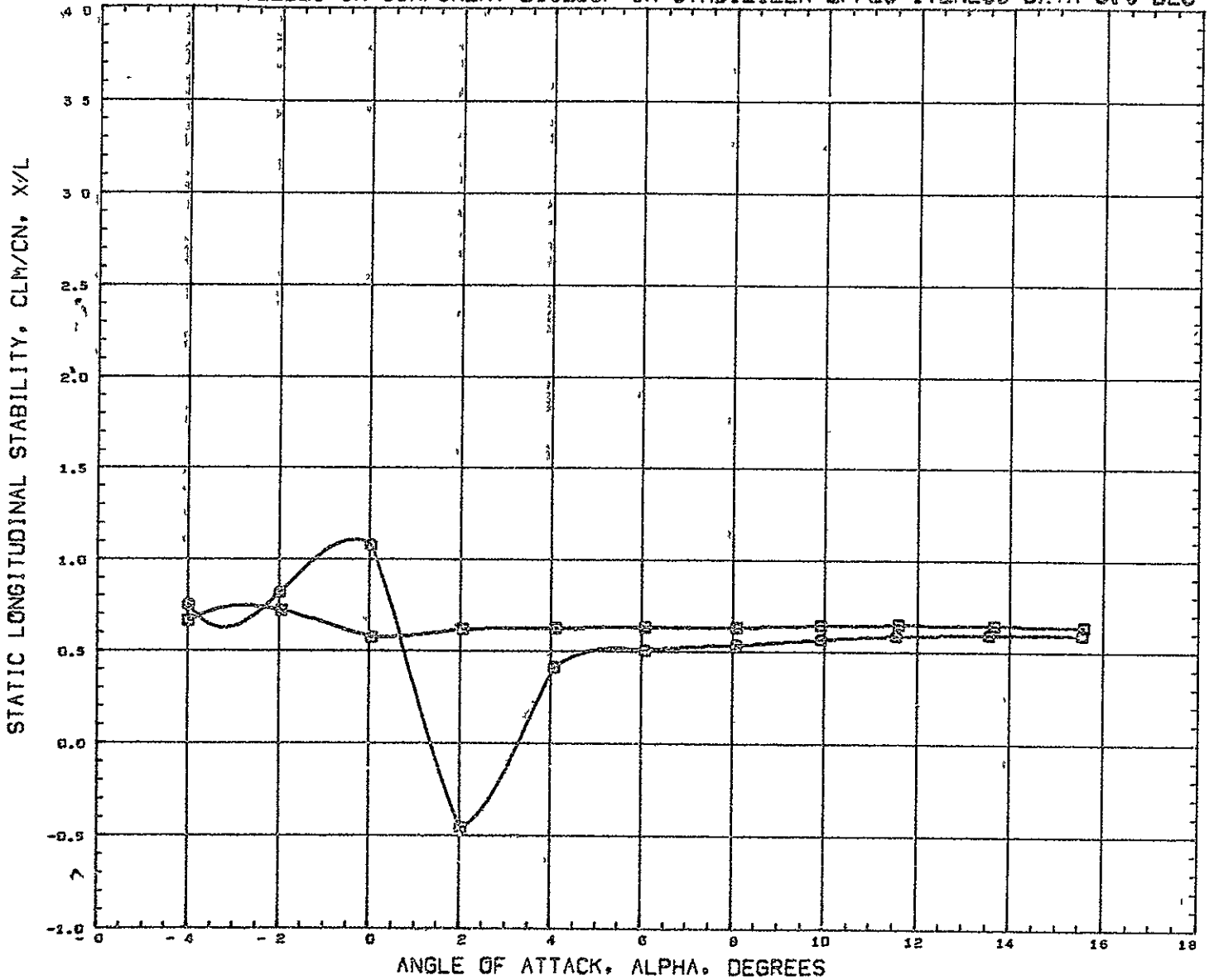


SYMBOL MOR PARAMETRIC VALUES
 ○ - 15.000 HACH 0 250 BETA 5 000
 □ 0 000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT.
 PEFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 HA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

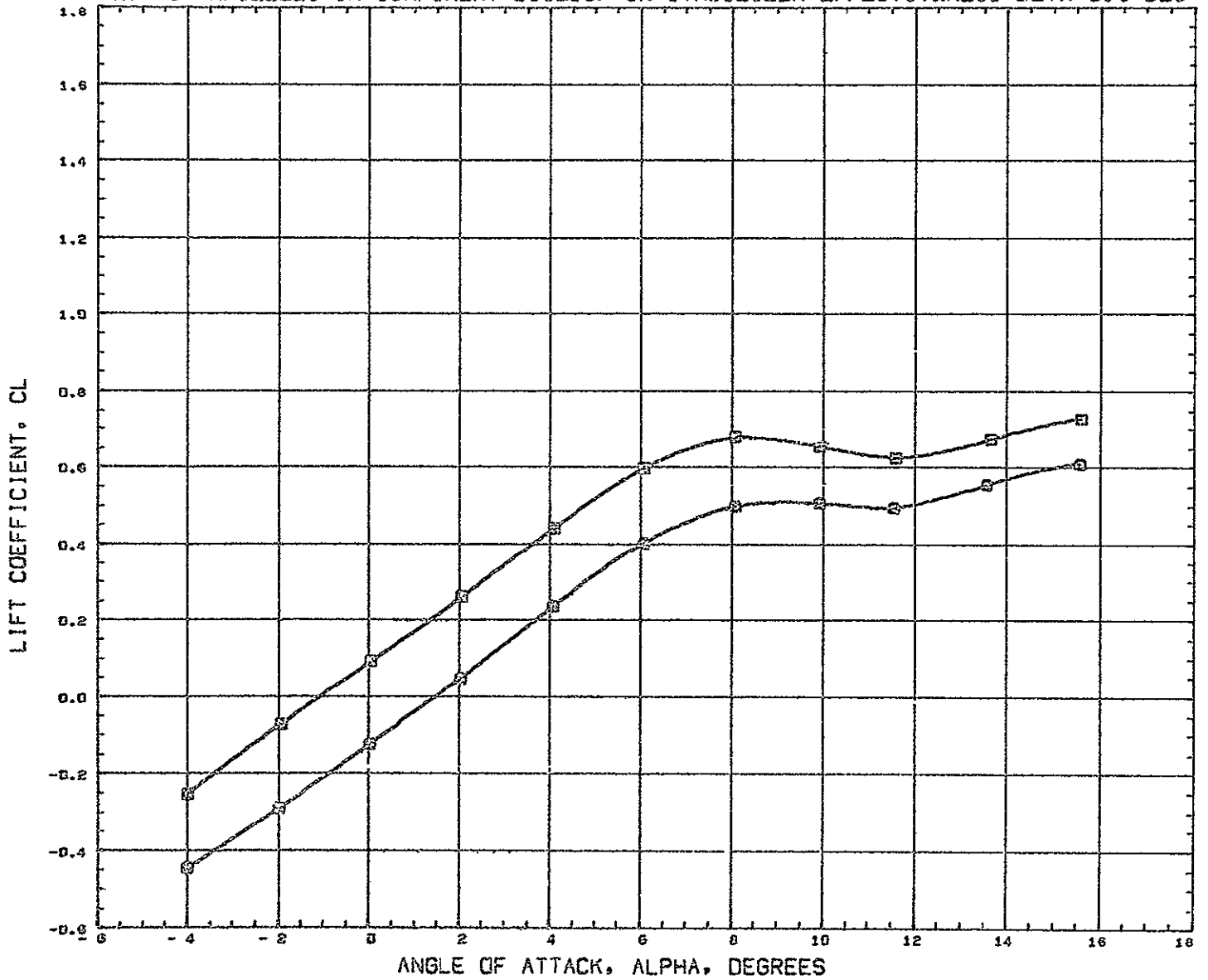


SYMBOL HOR
 ○ - 10.000 MACH
 □ 0.000
 PARAMETRIC VALUES
 0.239 BETA 5.000

REFERENCE INFORMATION
 REFS 0 1790 SR FT. 2
 REFL 15 7370 INCHES 2
 REFB 11 3300 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3640 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG



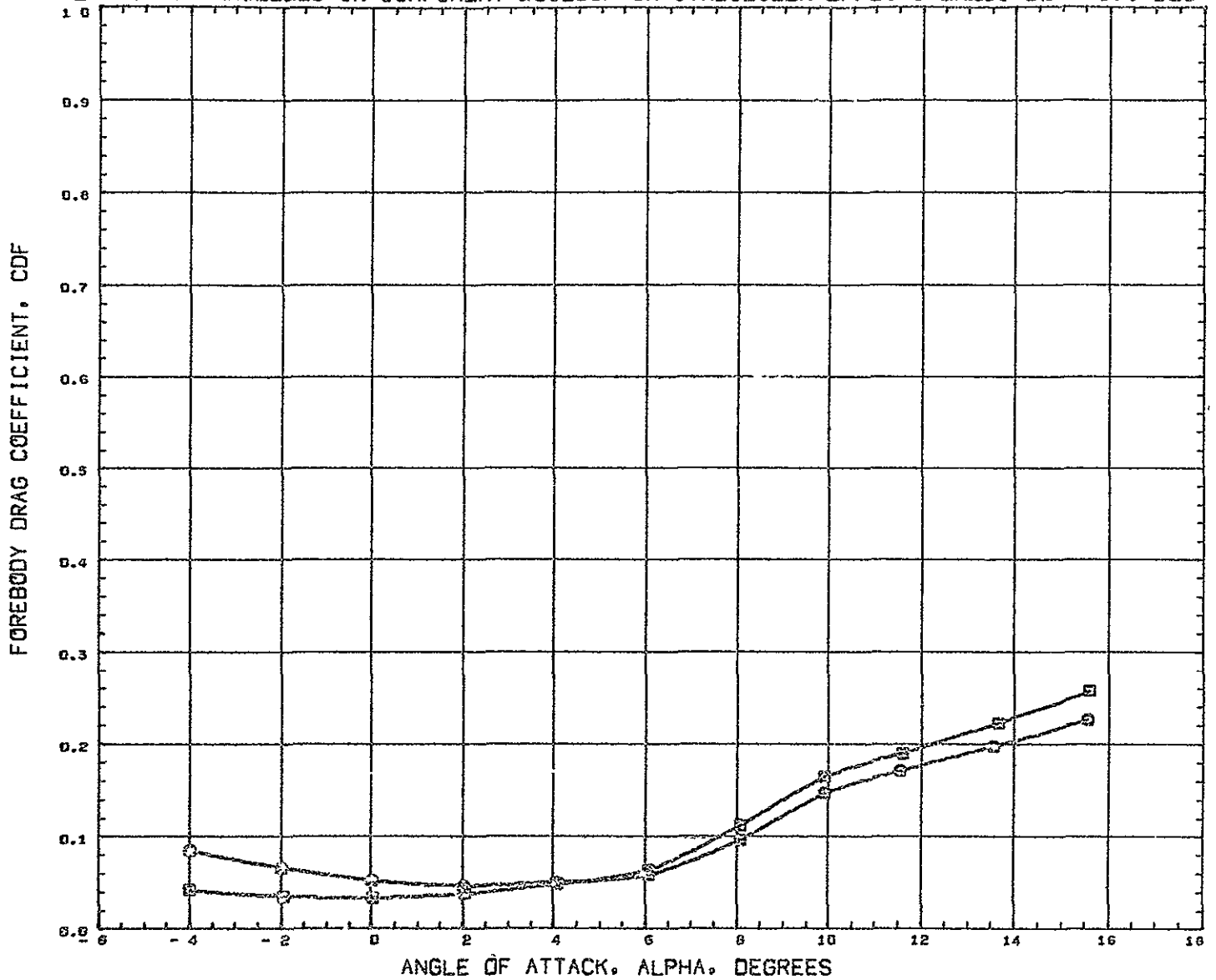
SYMBOL HOR
 ○ - 10.000 MACH
 □ 0.000

PARAMETRIC VALUES
 0.259 BETA 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 HA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

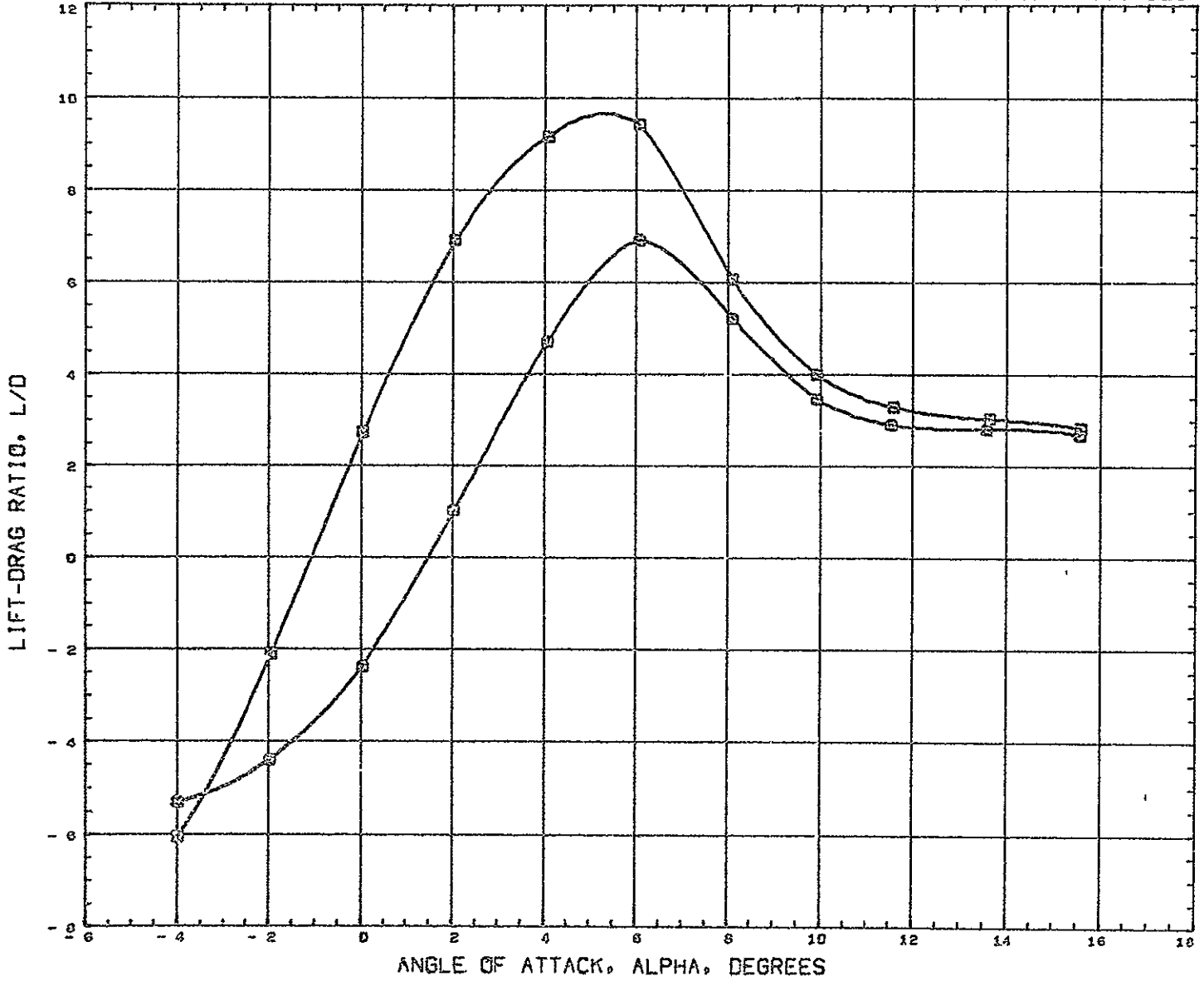


SYMBOL	HACH	PARAMETRIC VALUES
○	10.000	0.299 BETA 5.000
□	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG



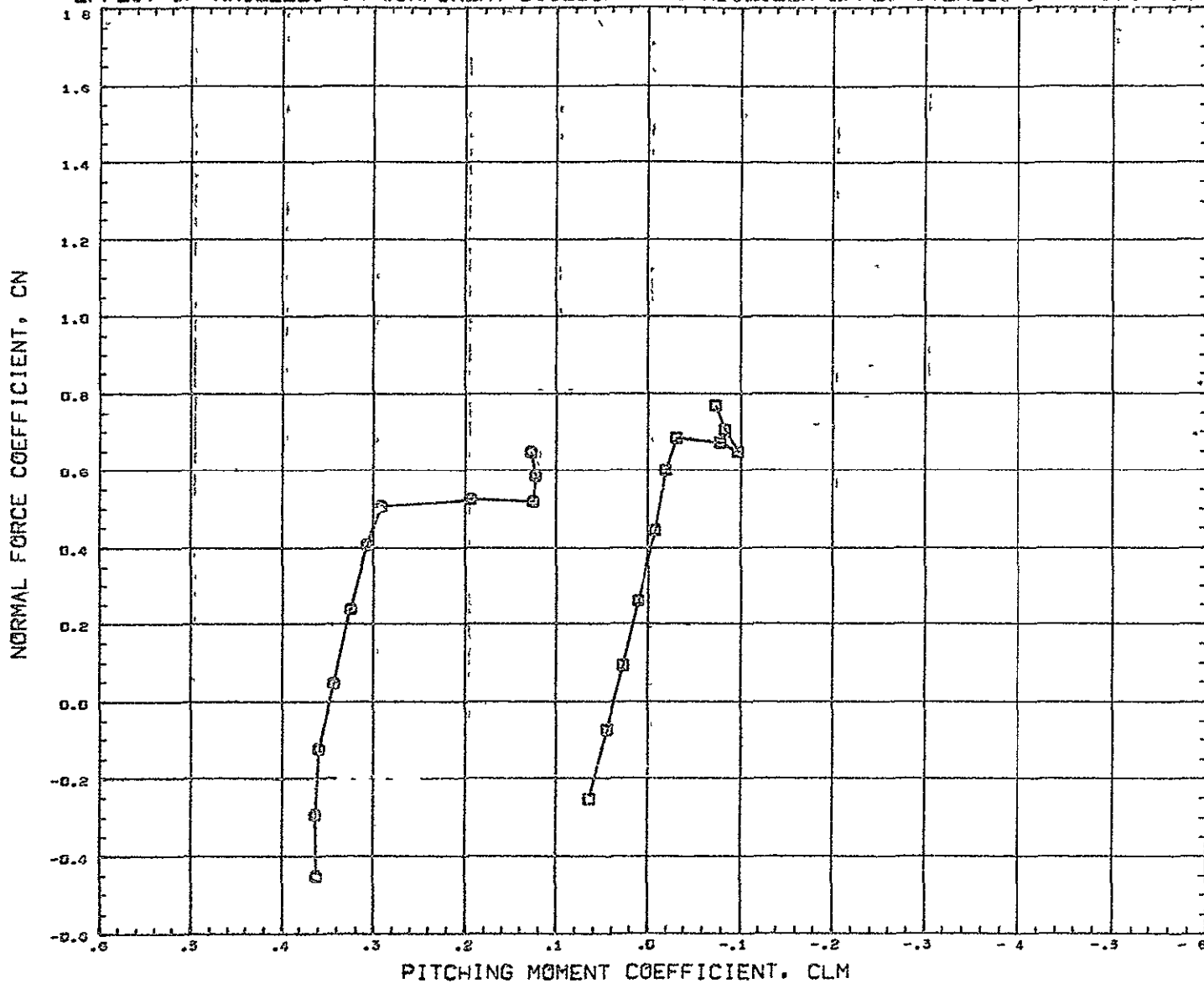
SYMBOL HOR PARAMETRIC VALUES
 □ - 10.000 MACH 0.239 BETA 5.000
 ○ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 YNRF 9 8400 INCHES
 YMPF 0 0000 INCHES
 ZHRF 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

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EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS $\beta = 5.0$ DEG

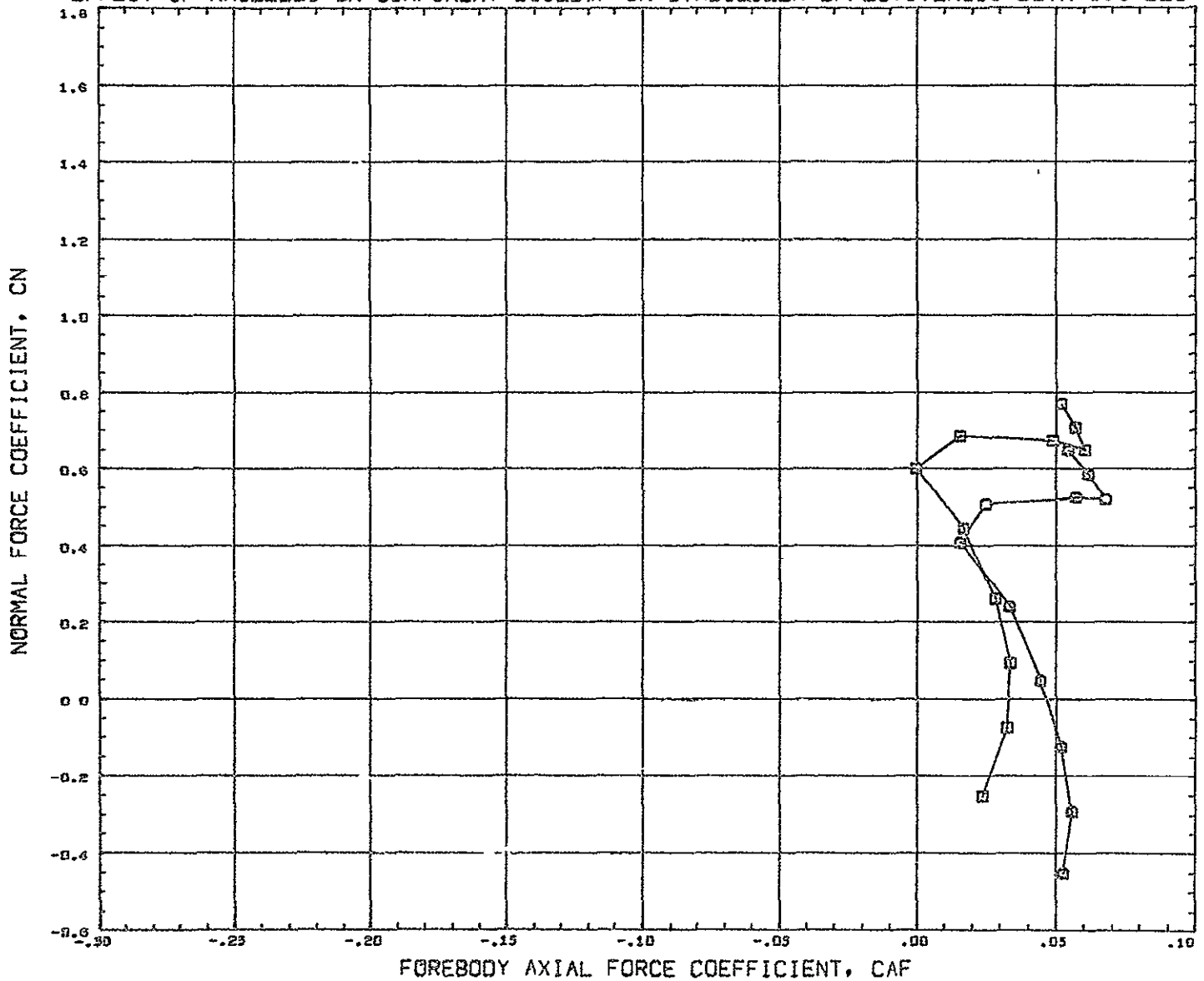


SYMBOL	HOR	PARAMETRIC VALUES
○	- 10.000	MACH 0.239 BETA 5.500
□	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMPP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

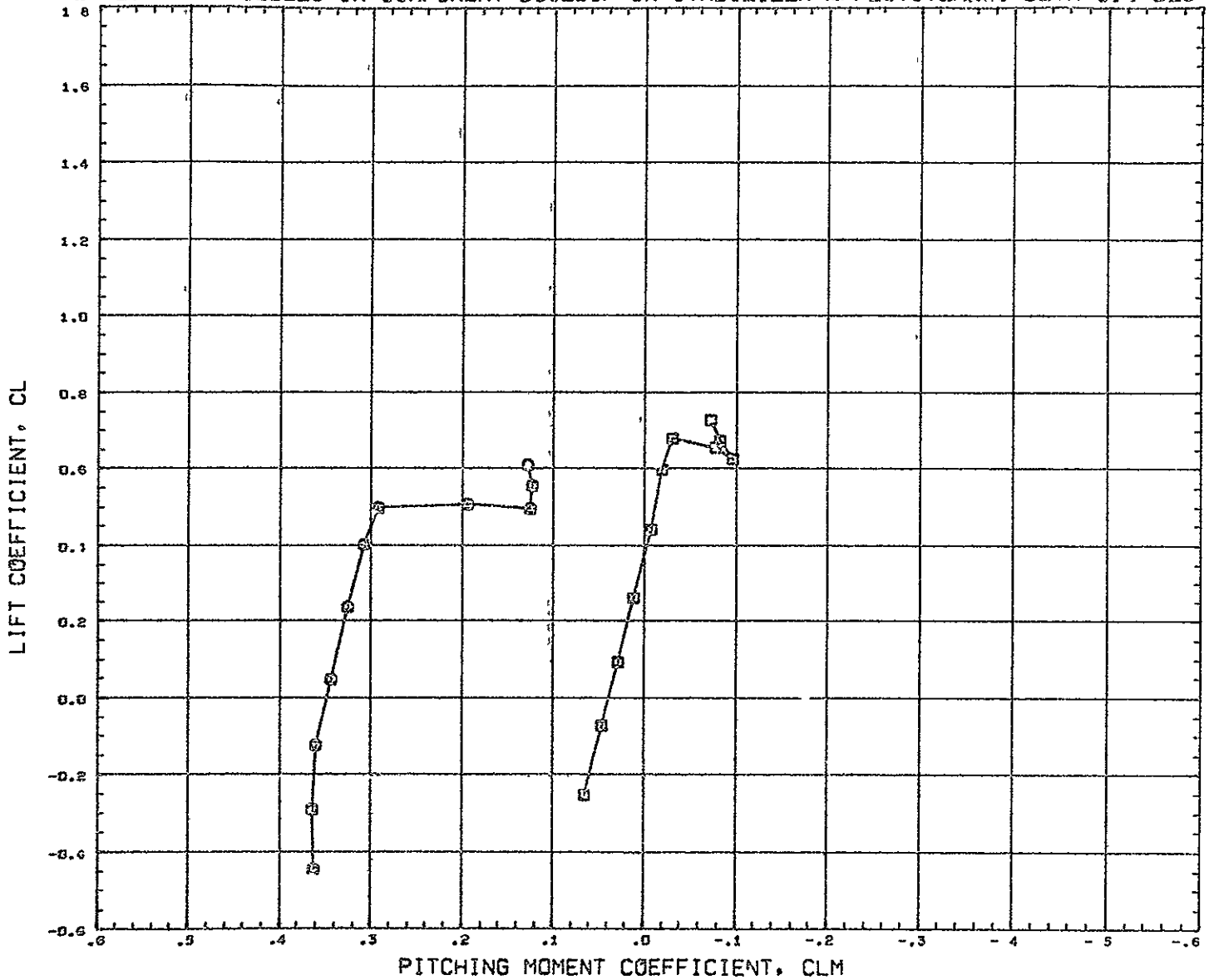


SYMBOL MCR PARAMETRIC VALUES
 □ - 10.000 P-ACH 0.249 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRF 9 8400 INCHES
 YNRF 0 0000 INCHES
 ZNRF 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG

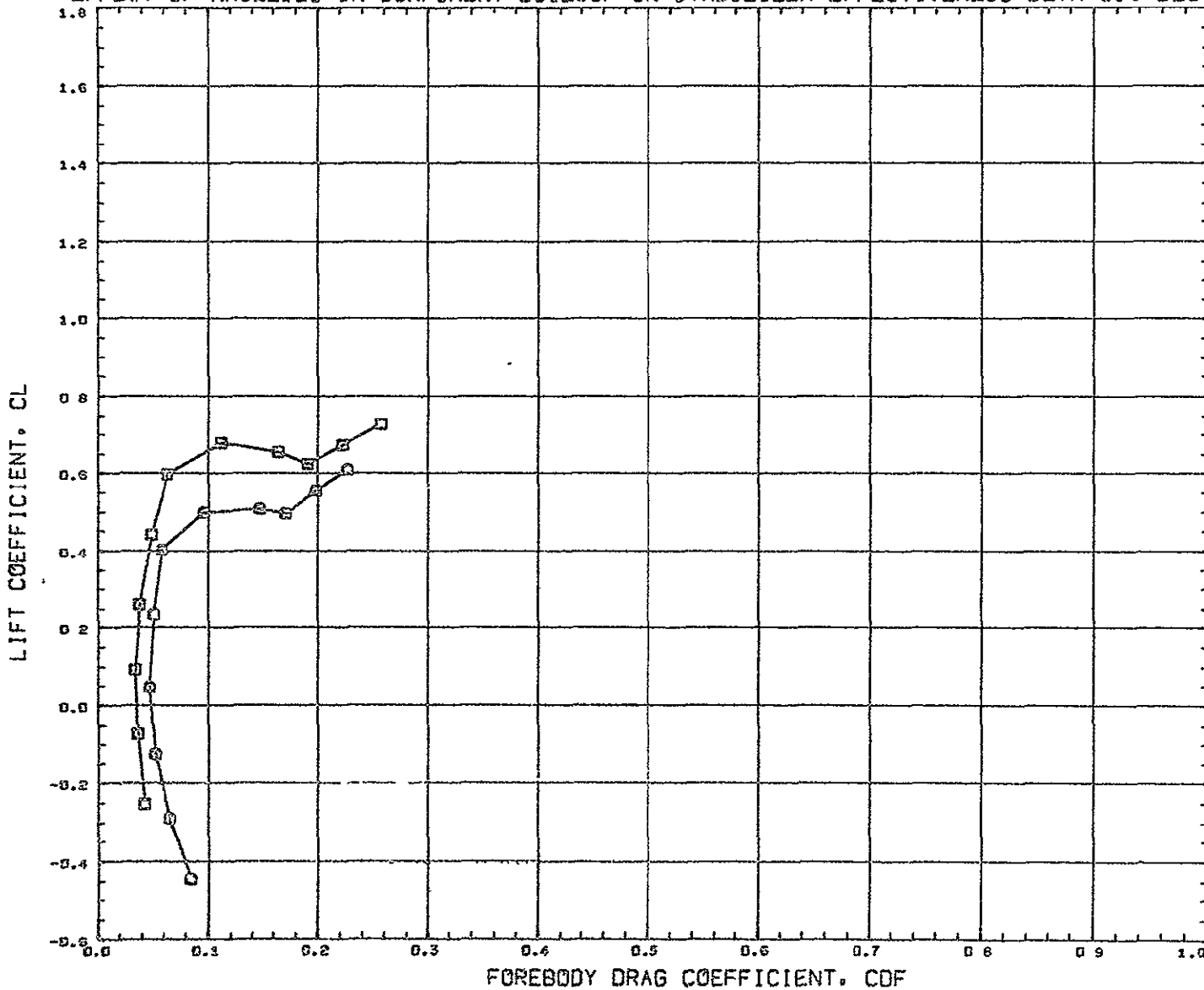


SYMBOL HCR PARAMETRIC VALUES
 ○ - 10 000 NACH 0.259 BETA 5.000
 □ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRF 9 8,00 INCHES
 YNRF 0 0000 INCHES
 ZNRF 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

EFFECT OF NACELLES IN COMPONENT BUILDUP ON STABILIZER EFFECTIVENESS BETA=5.0 DEG



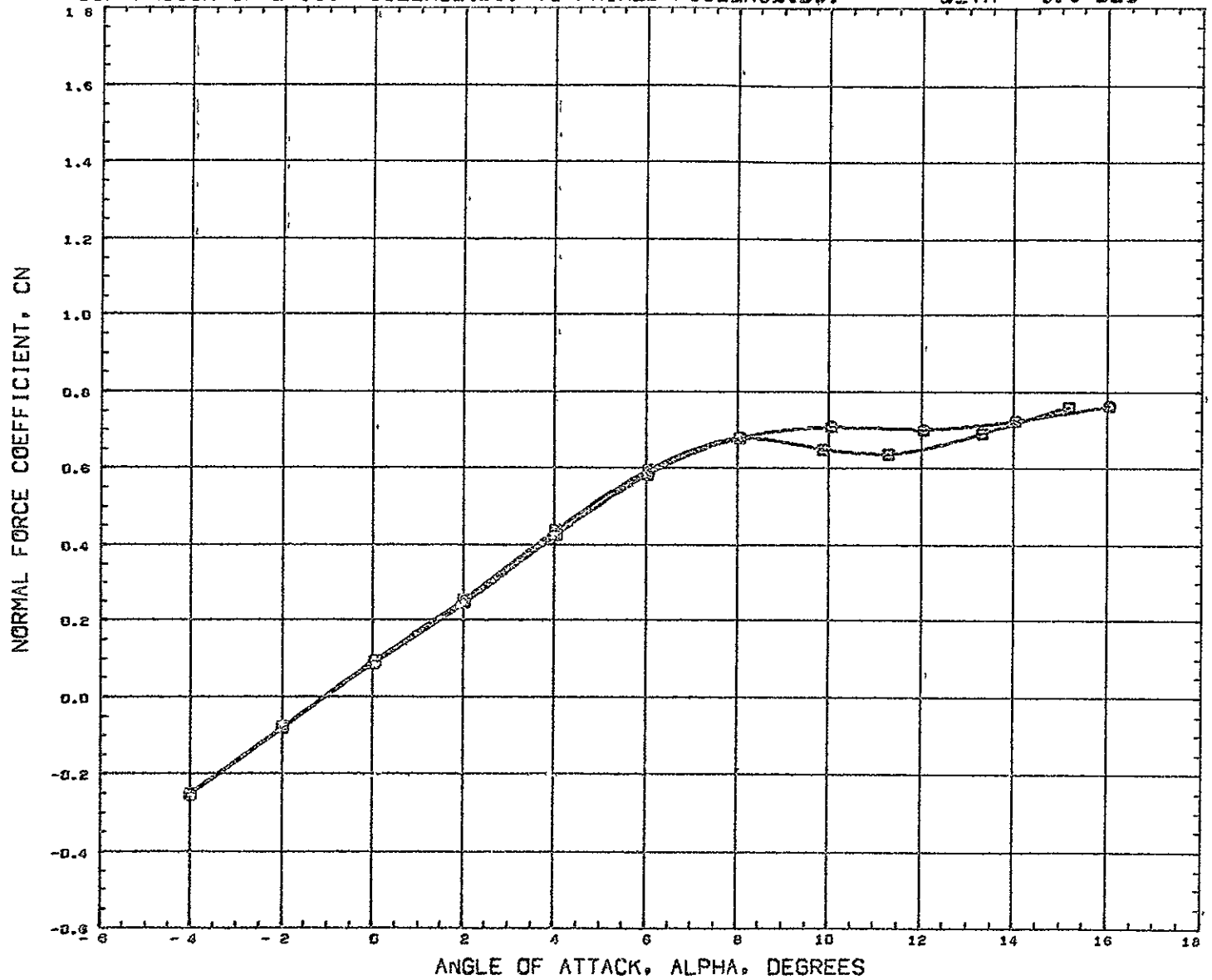
SYMBOL MCR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.859 BETA 5.036
 □ 0.000

REFERENCE INFORMATION
 PEFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

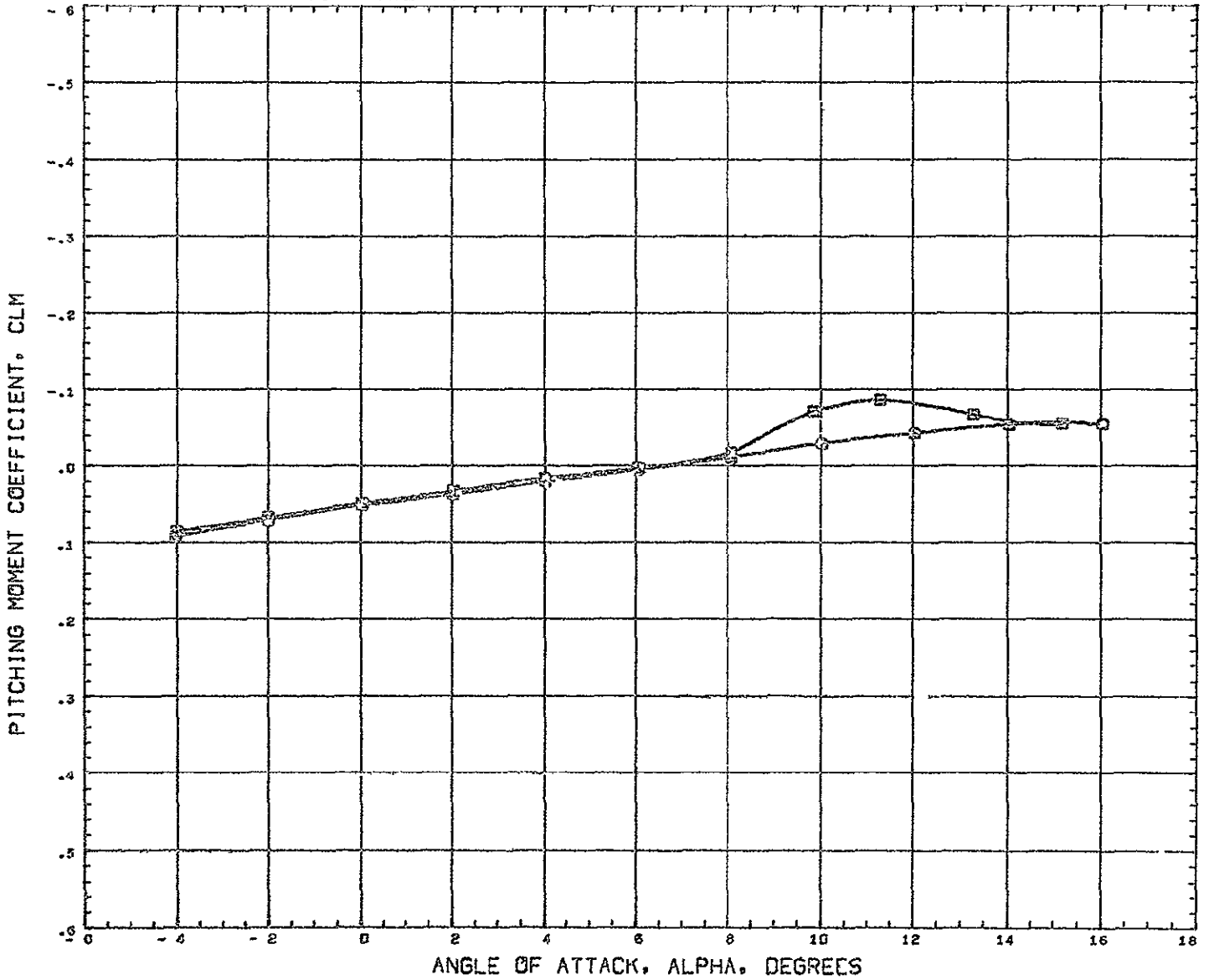


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0001)	NAAL 632 SSV-STR WING FORCE-NAC BS WIG H12 V5	BETA 0.000 ELEVTR 0.000	REFS 0 1790 SQ FT
(RC0067)	NAAL 632 SSV-STR WING FORCE-NAC BS WIG H12 V5		REFL 15 7370 INCHES
			REFD 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMFF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

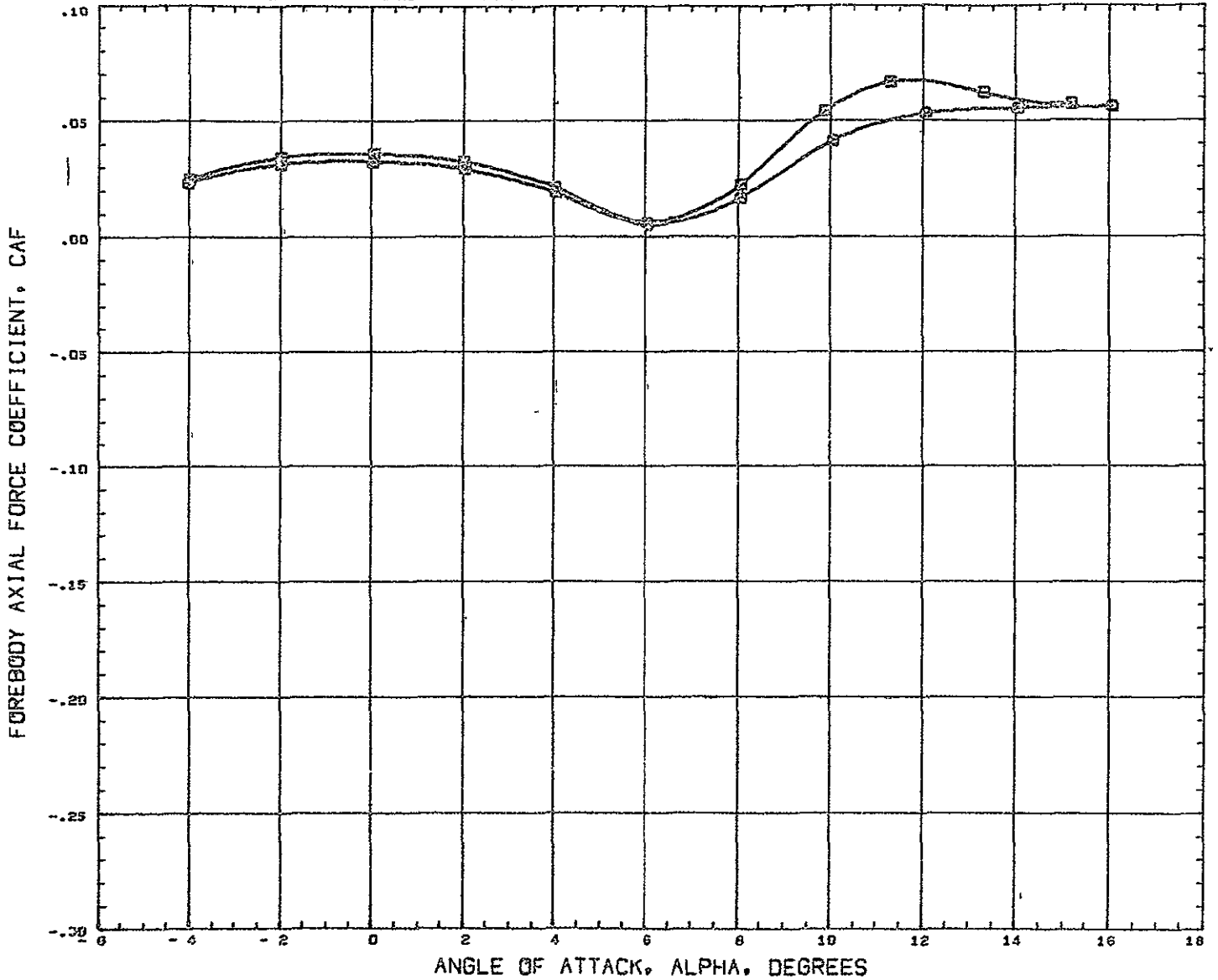


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG004)	MAAL 632 SSV-STR WING FORCE-MAC B6 W10 H12 V5	BETA 0.000 ELEVTR 0 000	REFS 0 1790 SQ FT
(RCG007)	MAAL 632 SSV-STR WING FORCE-MAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

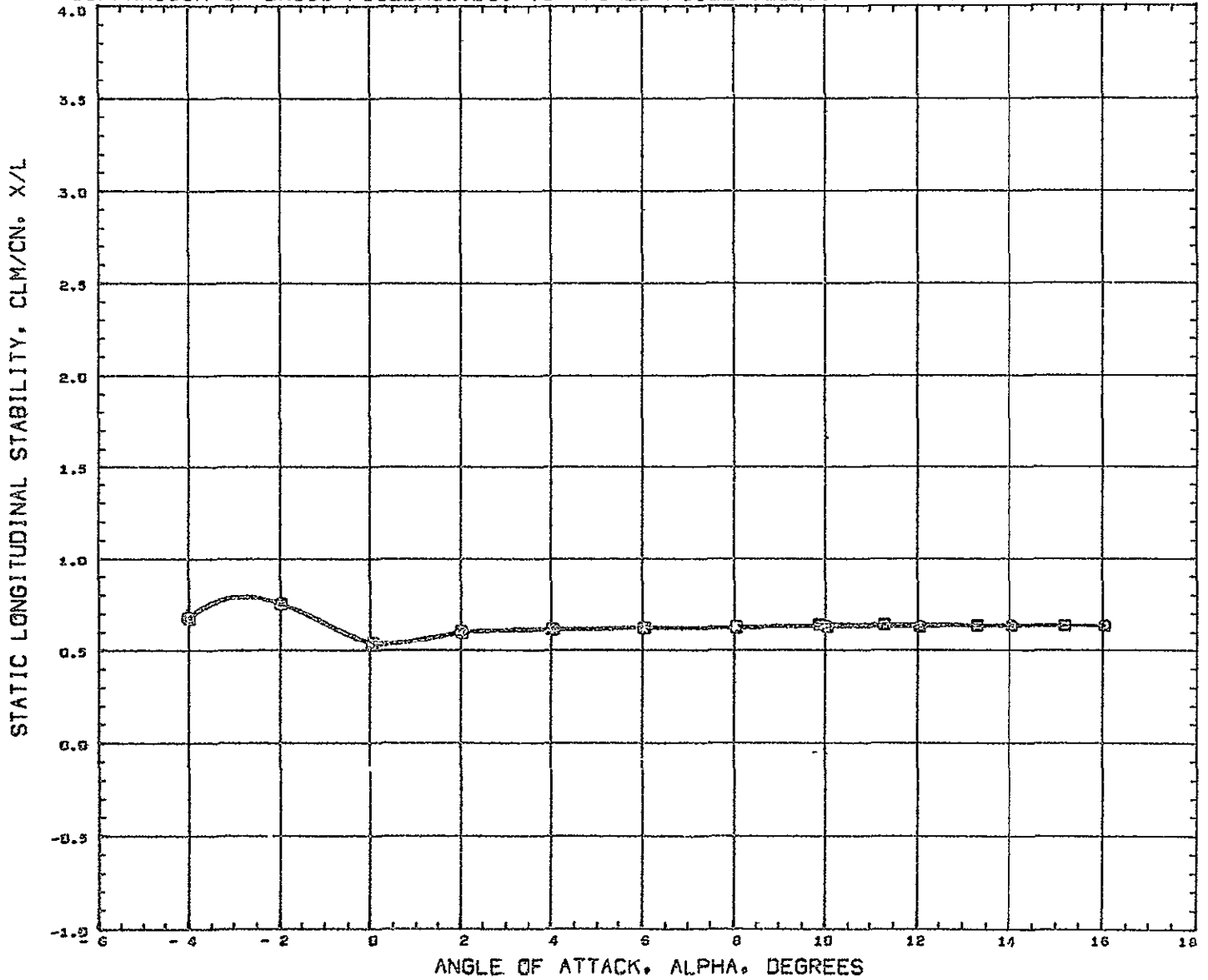


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG001)	NAAL 032 SSV-STR WING FORCE-MAC B6 W10 H12 V5	BETA 0.000 ELEVTR 0.000	RE ² S 0 1790 SQ FT
(RCG009)	NAAL 032 SSV-STR WING FORCE-MAC B9 W10 H12 V5		REFL 13 7370 INCHES
			R ² FB 11 3390 INCHES
			XMRP 9 8403 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

H1CH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG



DATA SET S/MOCL CONFIGURATION DESCRIPTION
 (RCG001) □ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5
 (RCG067) □ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5

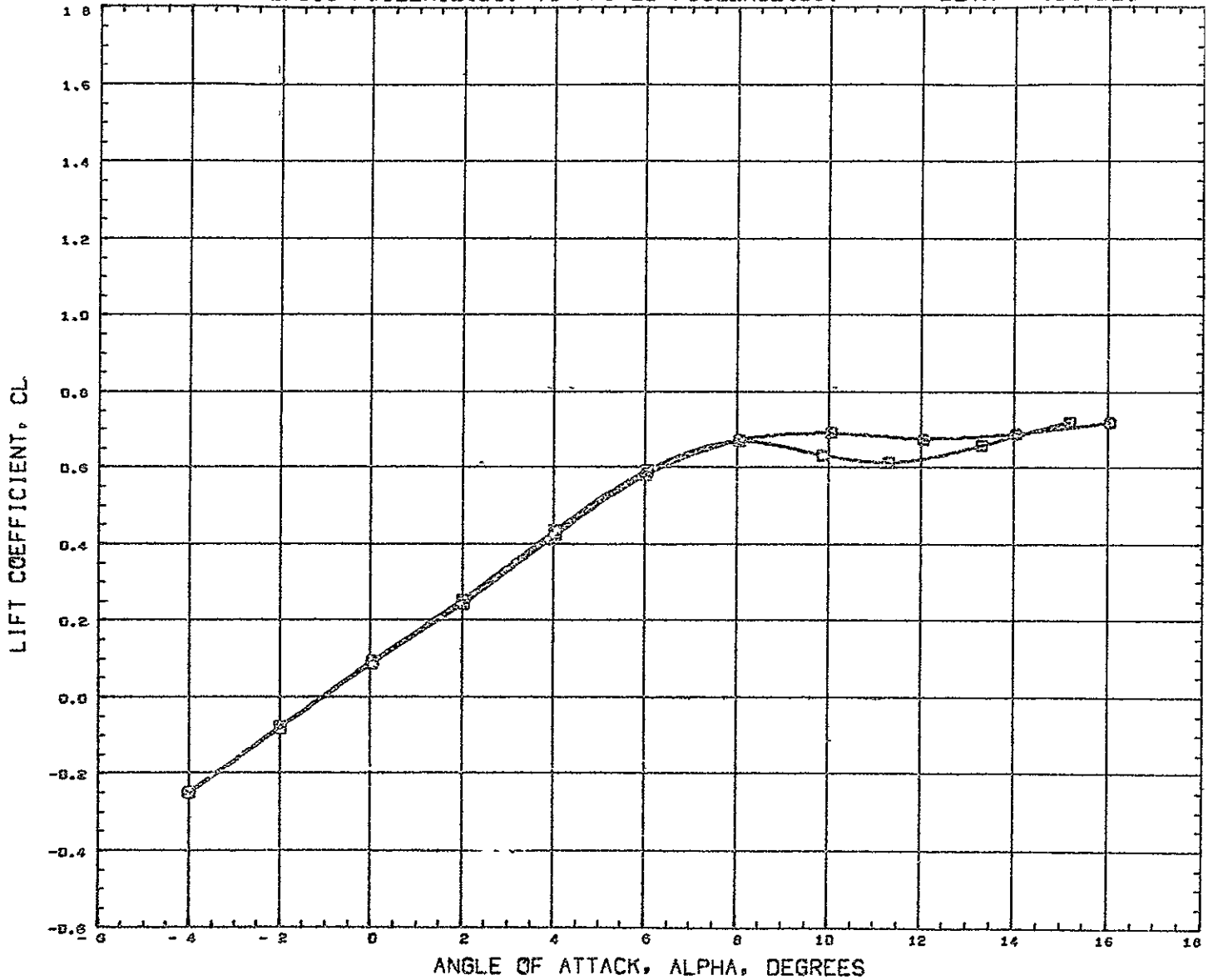
PARAMETRIC VALUES
 BETA 0.000 ELEVTP 0 000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP - 0 3840 INCHES
 SCALE 0 0075 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

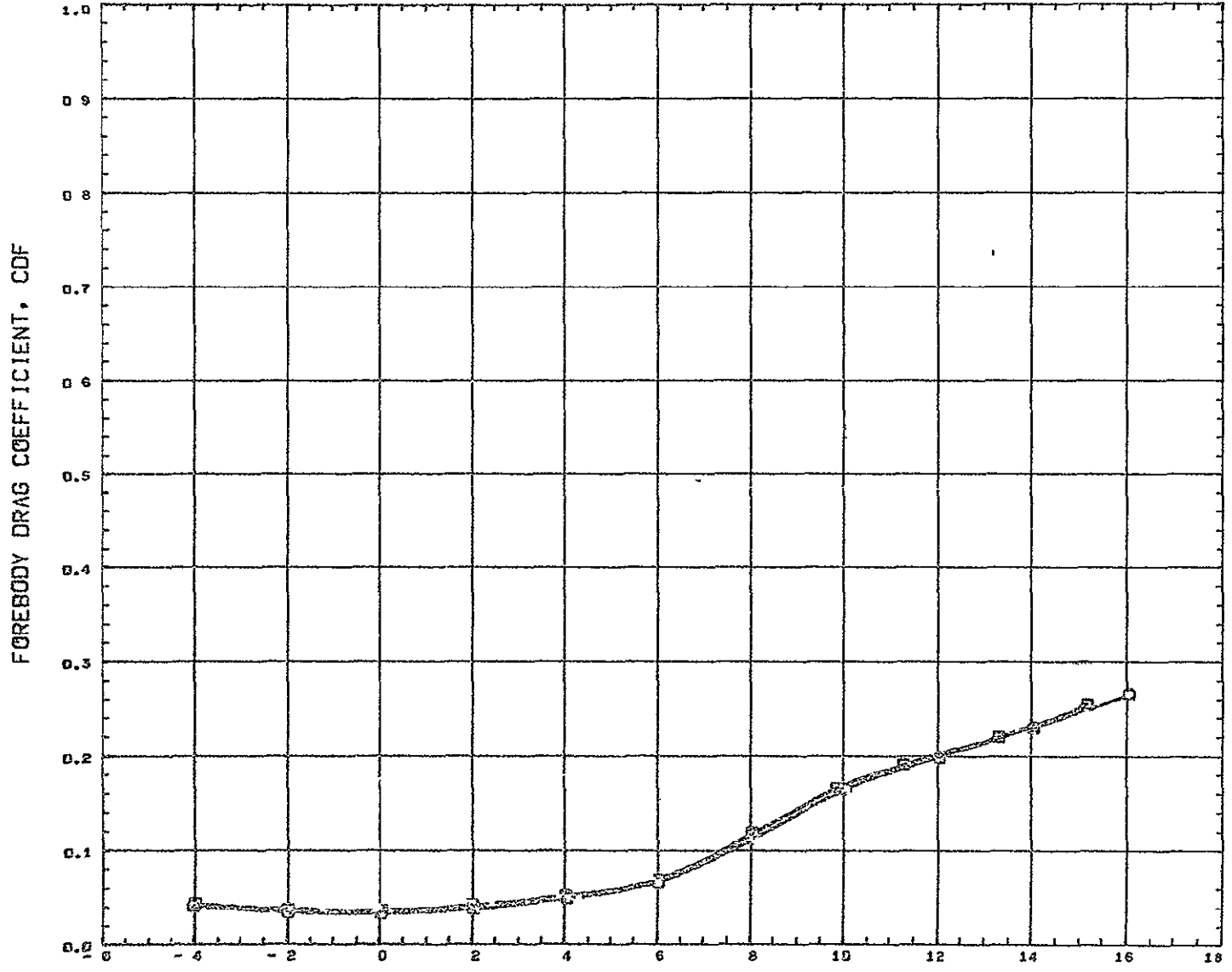


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG001)	□ NAAL 632 SSV-SIP WING FORCE-NAC B6 W10 H12 V5	BETA 0 000 ELEVTR 0 000	REFS 0 1790 SQ FT
(RCG067)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XNRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZNRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG



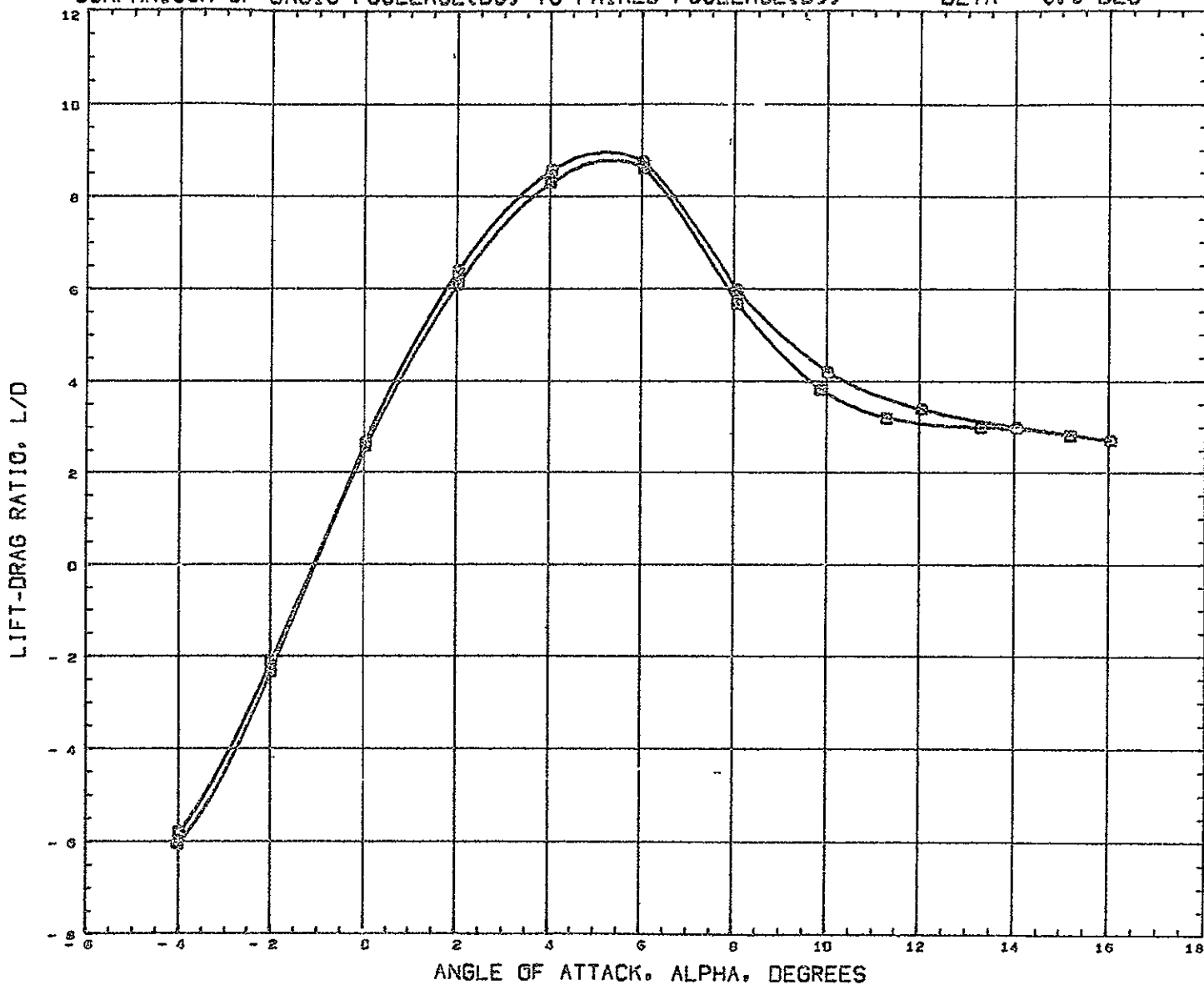
DATA SET S/NBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC5002)	NAAL 632 SSV-STP WING FORCE-NAC B6 W10 H12 V5	BETA 0.000 ELEVTR 0.000	REFS 0 1790 SQ FT
(RC6887)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

6 ⊕

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

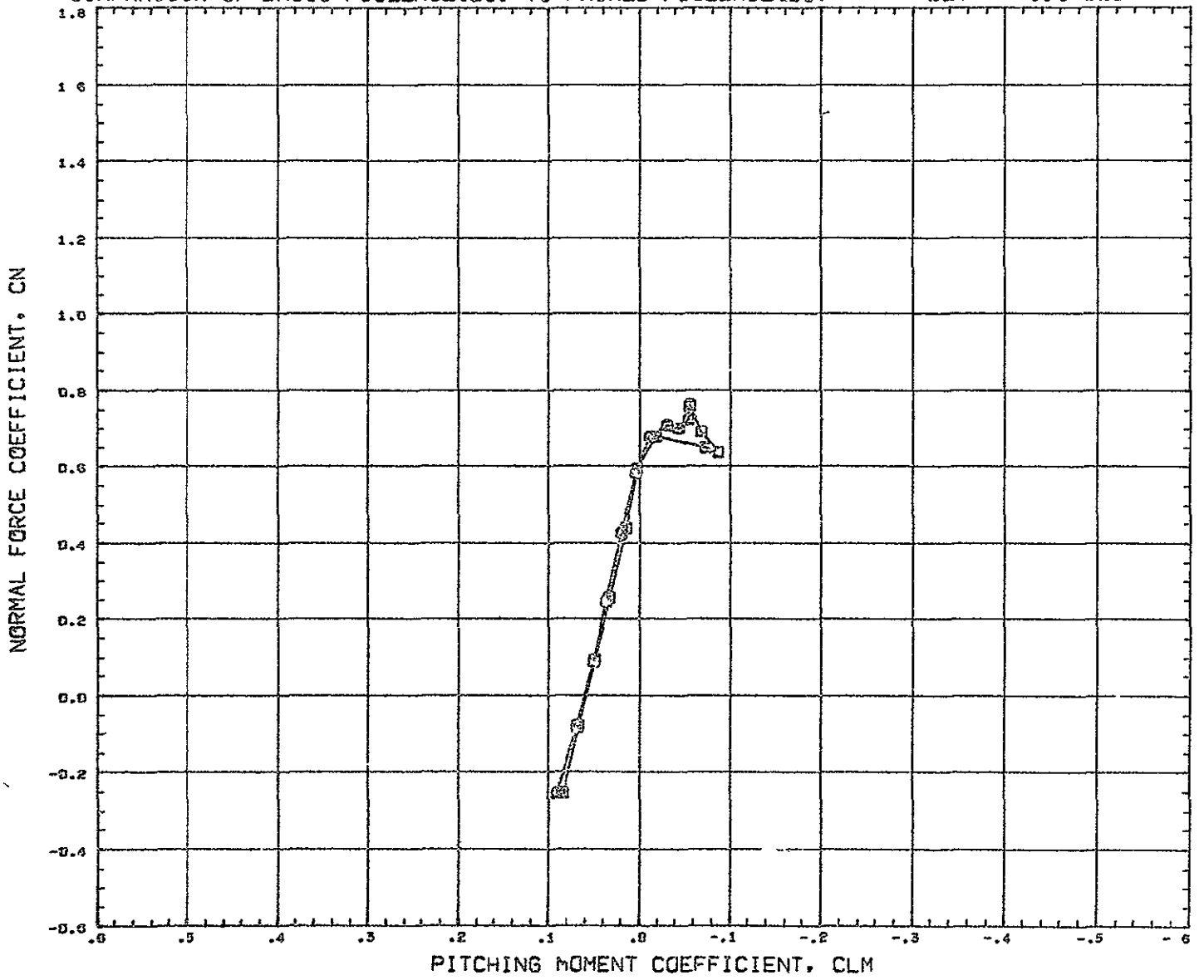
BETA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6001)	□ NAAL 032 SSV-STR WING FORCE-MAC B6 WIG H13 V5	BETA 0 000 ELEVTR 0 000	REFS 0 1790 SQ FT
(RC6087)	□ NAAL 032 SSV-STR WING FORCE-MAC B9 WIG H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9) BETA = 0.0 DEG

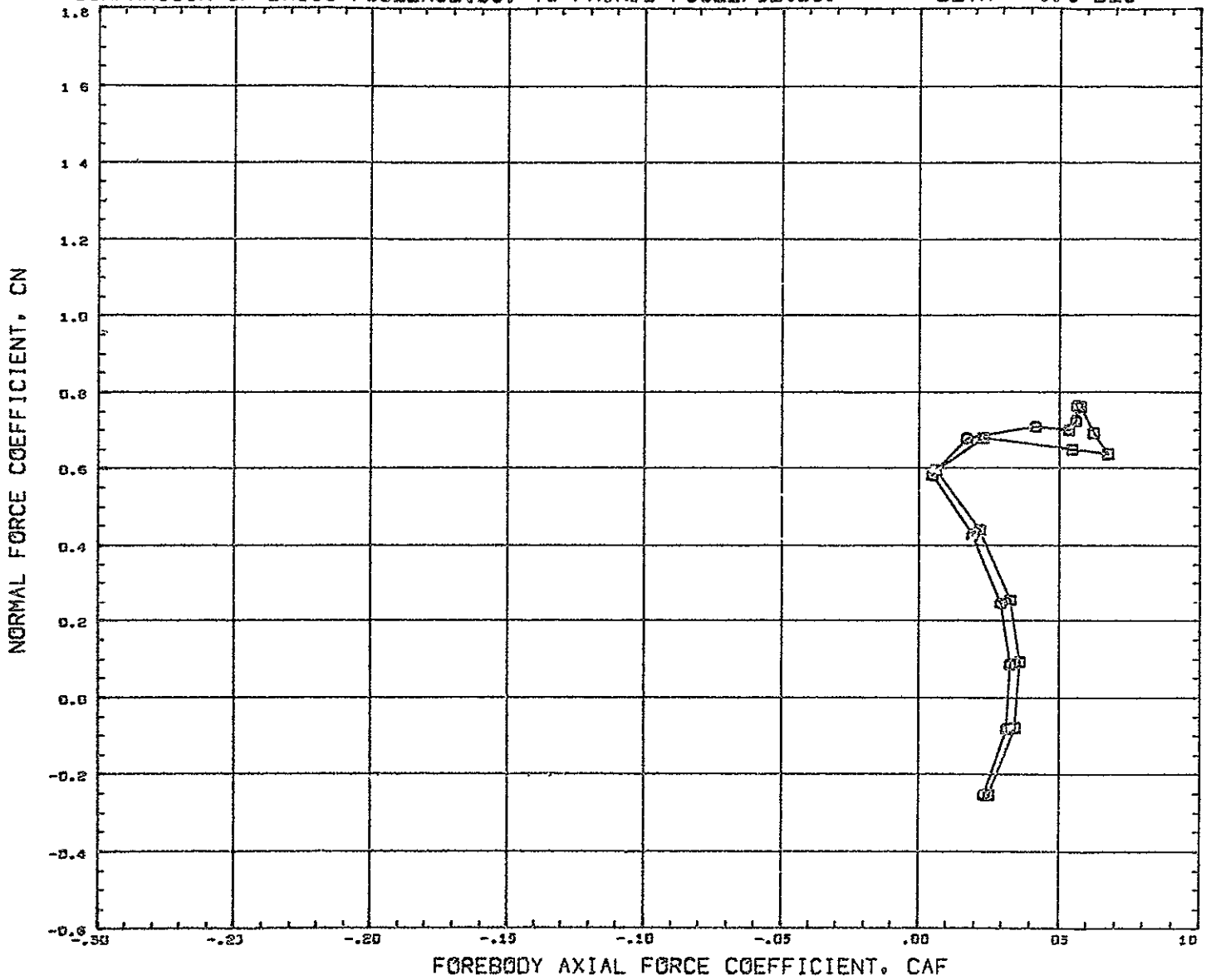


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG001)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 WID H12 V5	BETA 0 000 ELEVTR 0 000	REFS 0 1790 SQ FT
(RCG007)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 WID H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

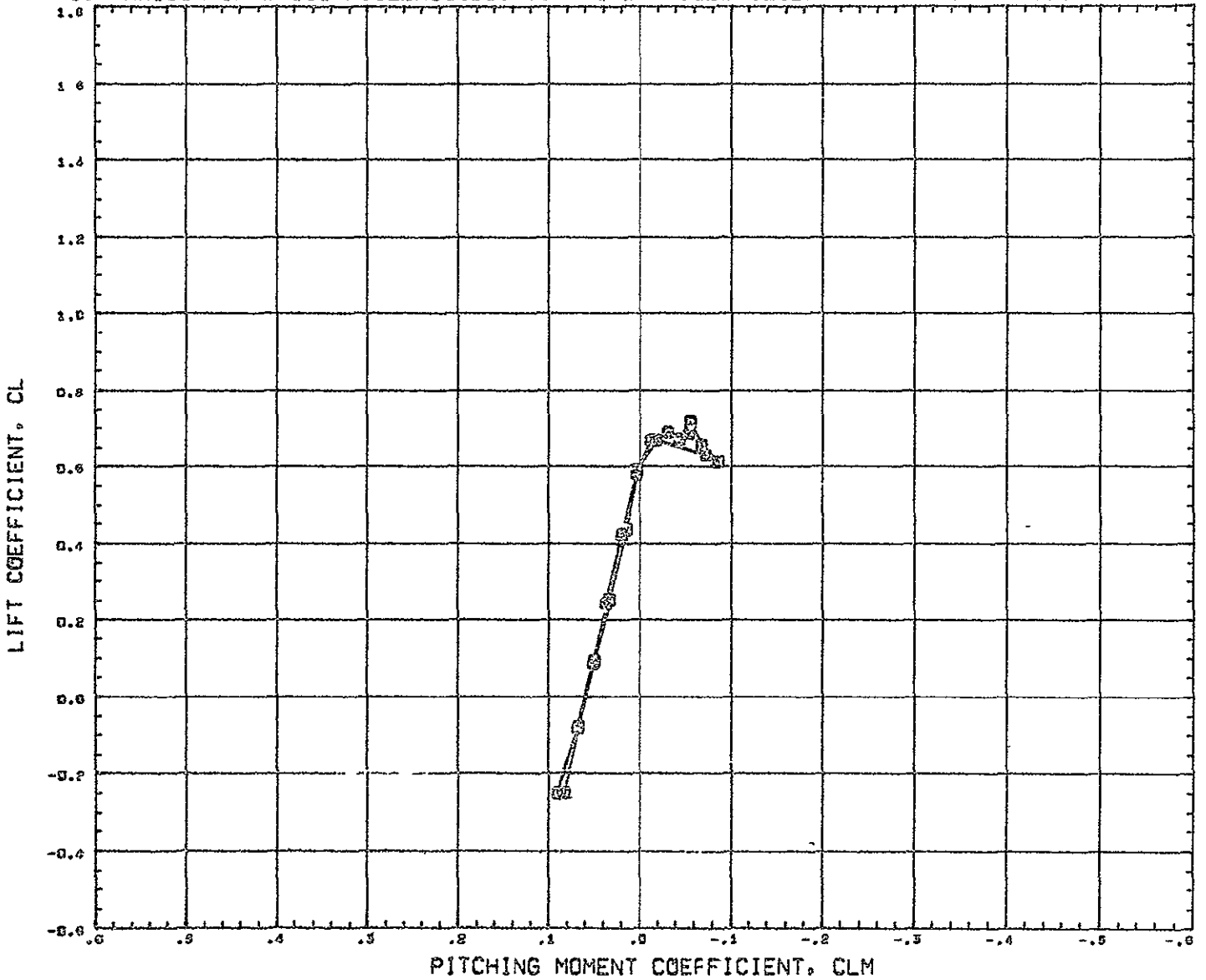


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC606)	NAAL 632 38V-STR WING FORCE-NAC B6 W10 H12 V5	BETA 0.000 ELEVTR 0.000	REFS 0 1790 SQ FT
(RC607)	NAAL 632 38V-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHPP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 0.0 DEG

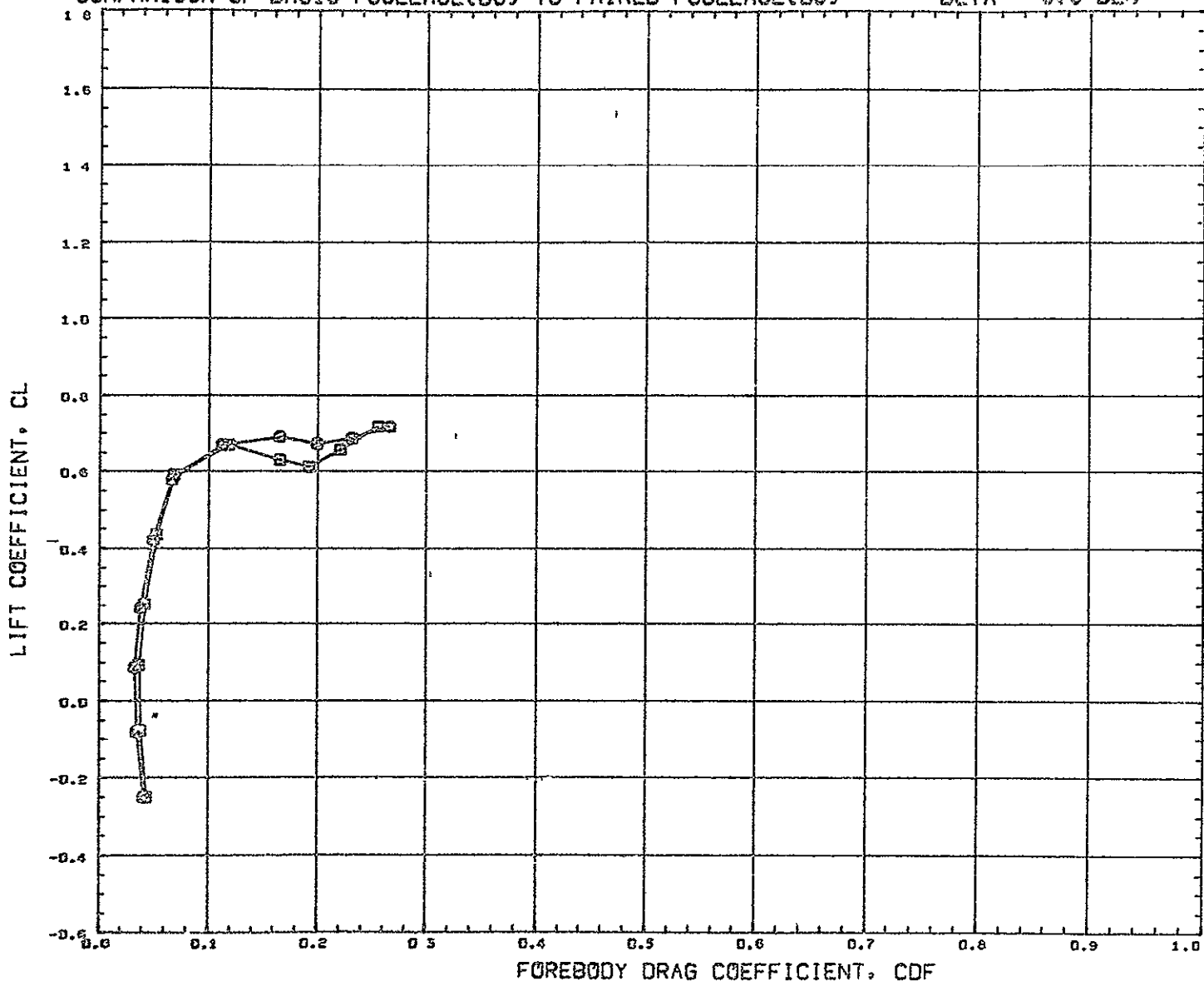


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6001)	NAAL 632 SSV-3TR WING FORCE-NAC B6 WLG H12 V5	BETA, 0.000 ELEVTP 0.000	REFS 0 1790 SQ FT
(RC6067)	NAAL 632 SSV-3TR WING FORCE-NAC B9 H10 H12 V5		REFL 15.7370 INCHES
			REFB 11 3590 INCHES
			XMRP 9.8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP 0.3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

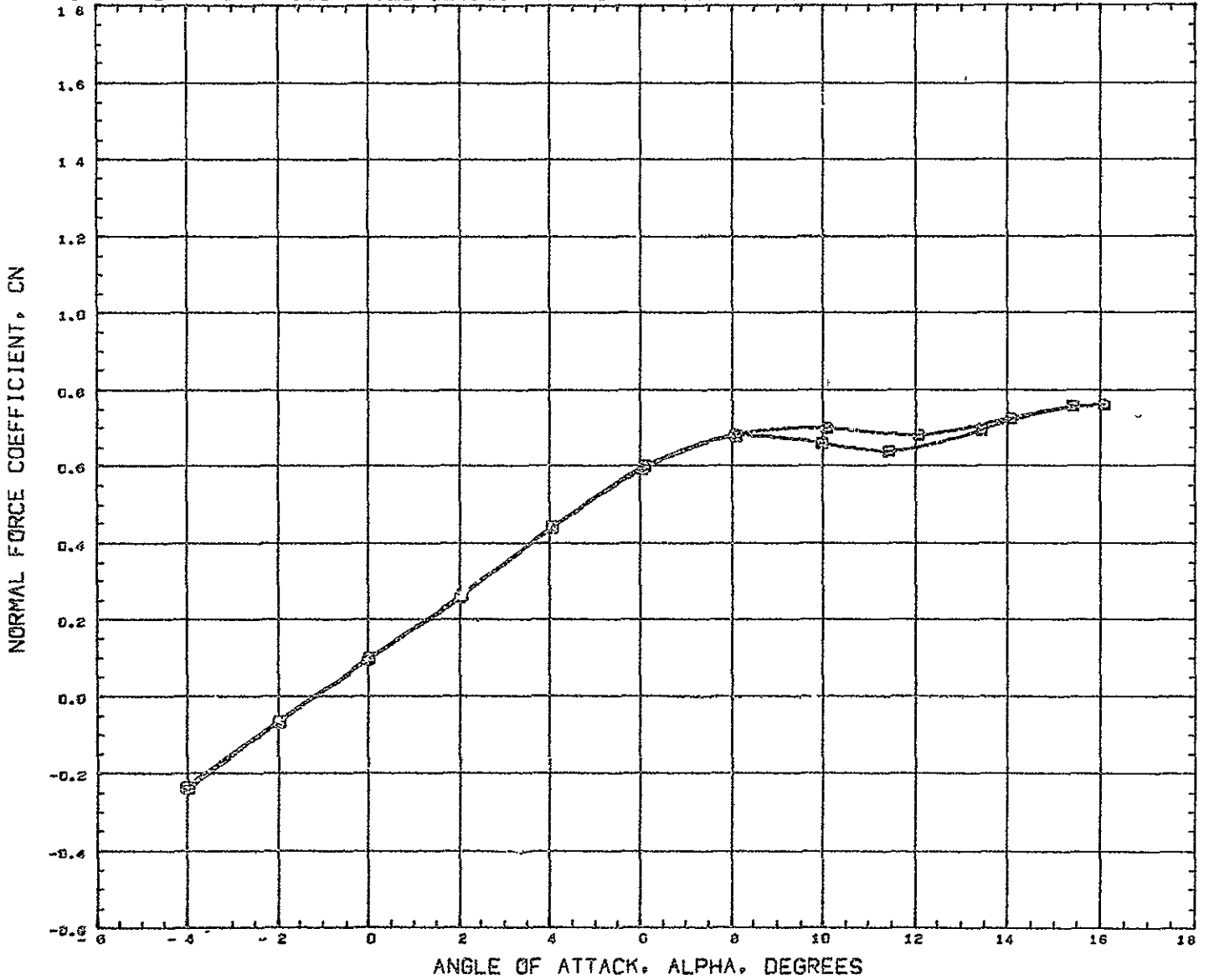
BETA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6001)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	BETA 0.000 ELEVTR 0.000	REFS 0 1790 SQ FT
(RC6067)	○ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3330 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE
MACH 0.259			

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RCC002)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 WID H12 V5
(RCC050)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 WID H12 V5

PARAMETRIC VALUES
 BETA 5.000

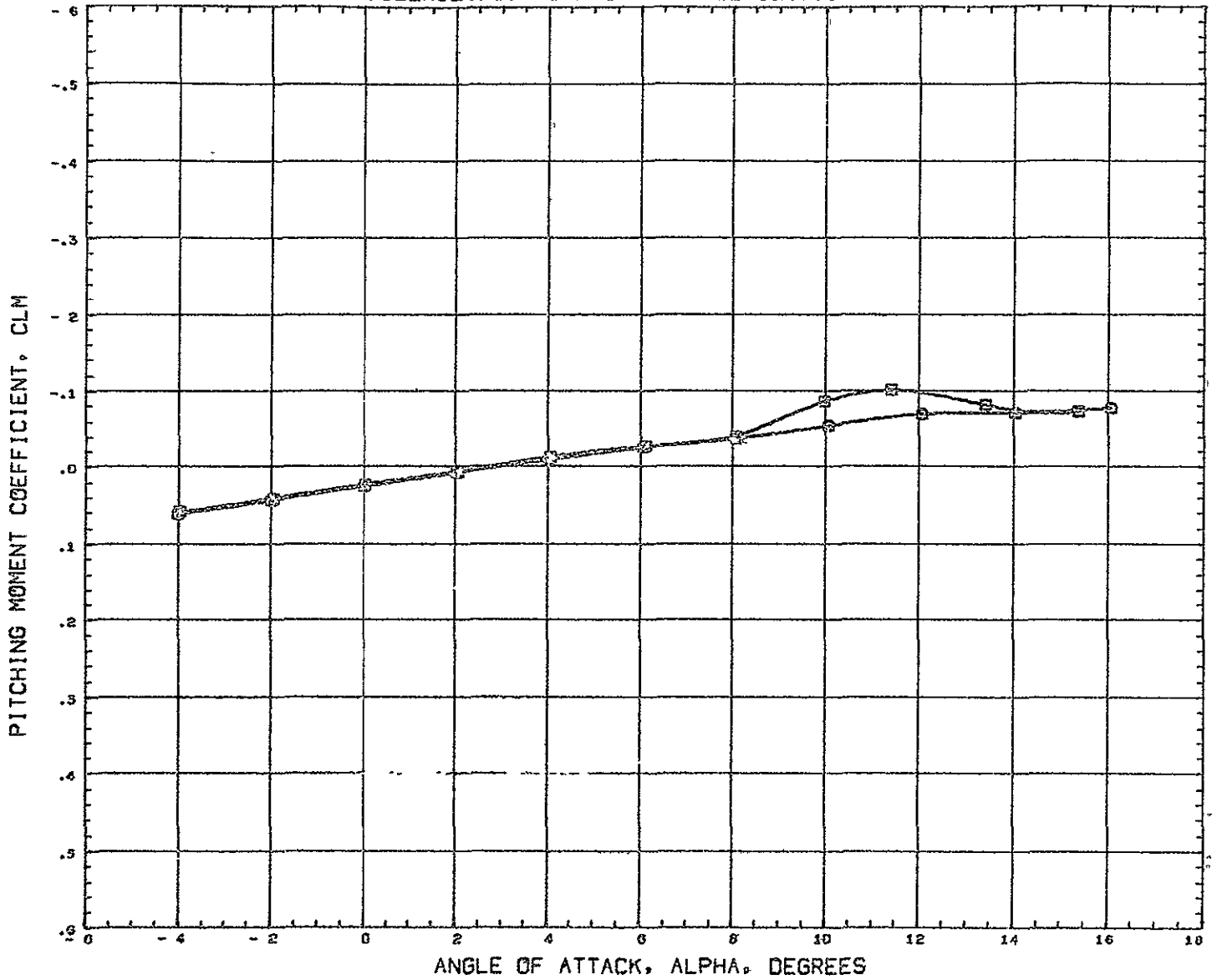
REFERENCE INFORMATION

REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG

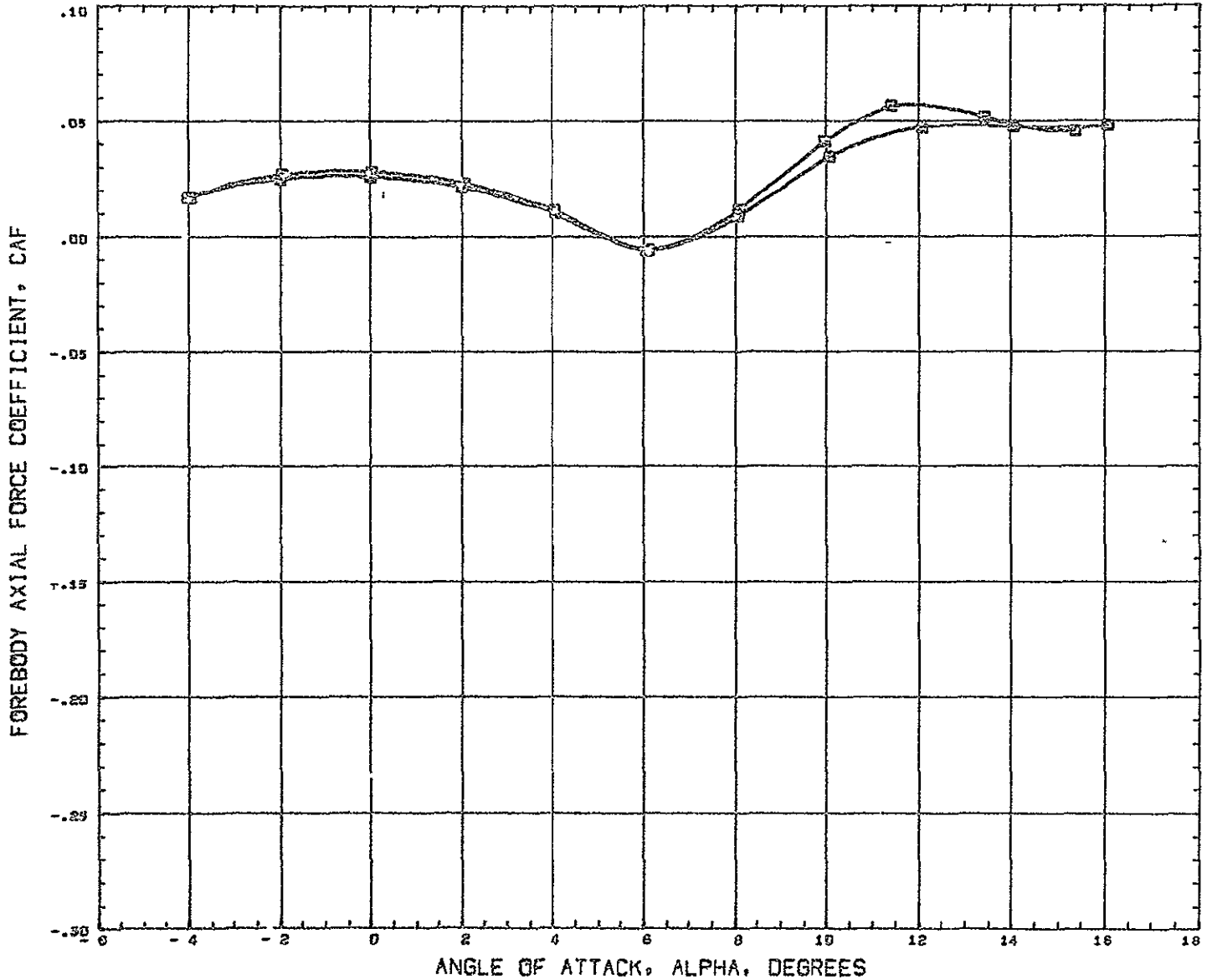


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6002)	□ NAAL 632 SSV-STR WING FORCE=NAC B6 WIG H12 V5	SET^ 5 000	REFS 0 1790 SQ FT
(RC6009)	□ NAAL 632 SSV-STR WING FORCE=NAC B9 WIG H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG

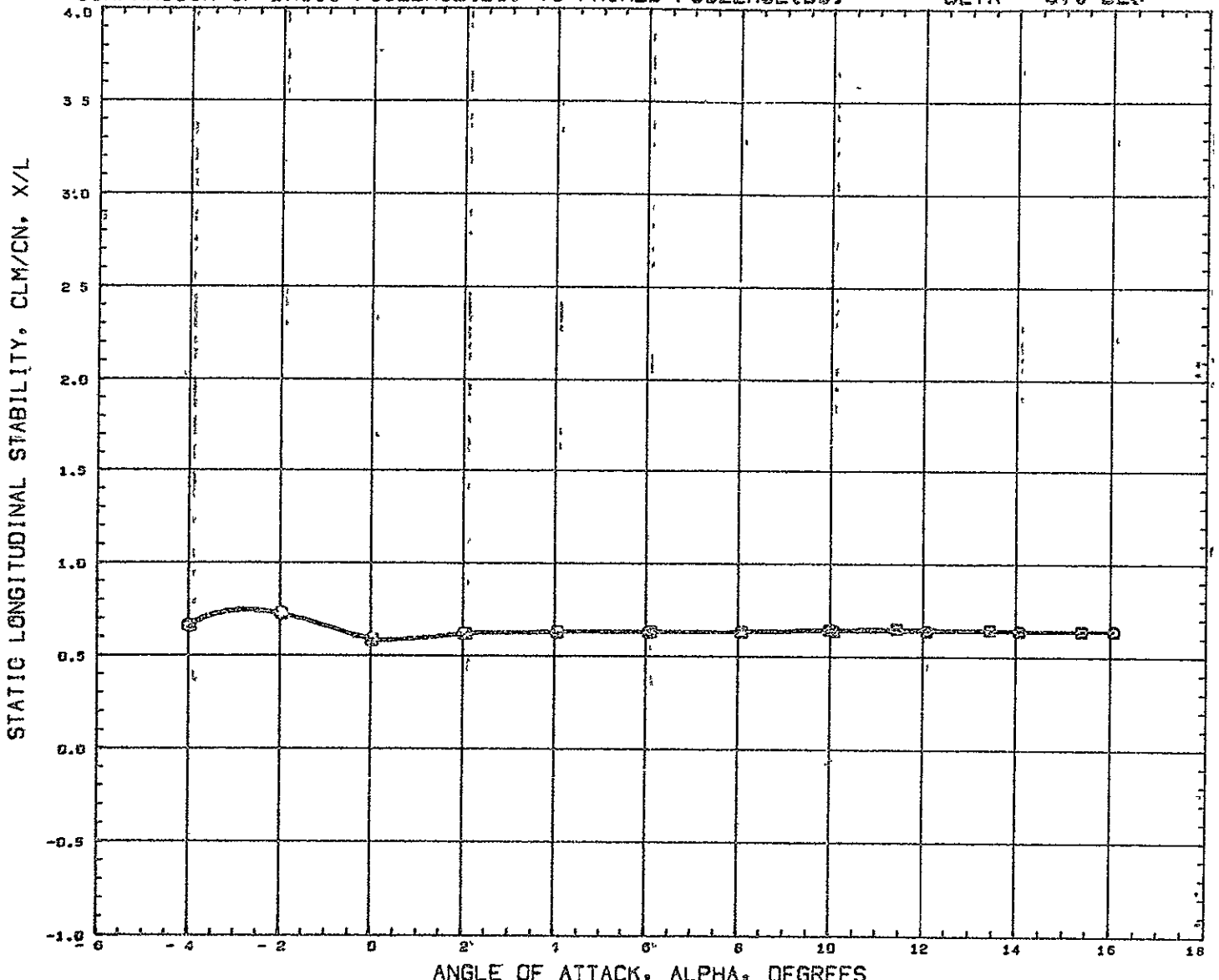


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6002)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	BETA* 5.000	REFS 0 1790 SQ FT
(RC6008)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11.3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG



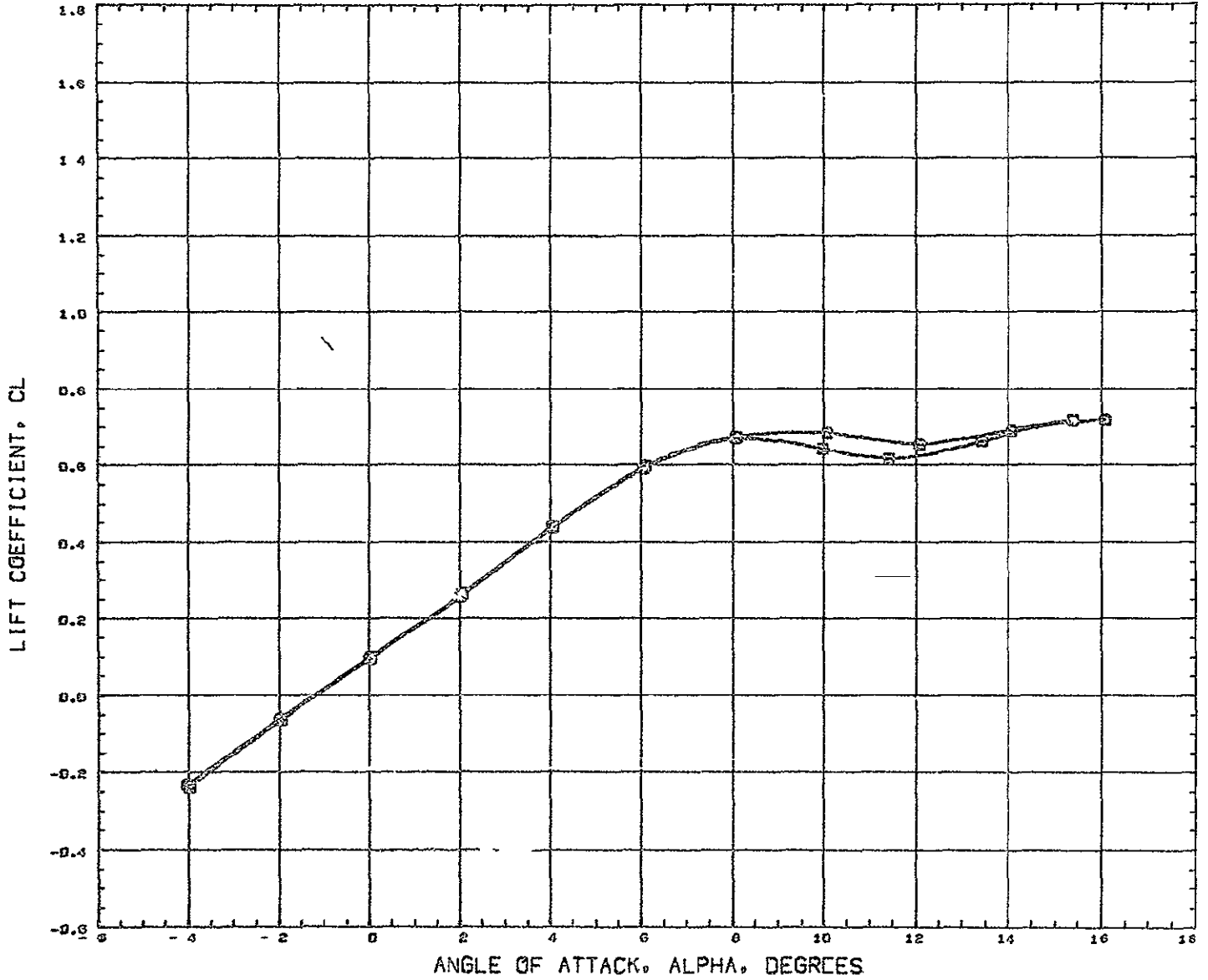
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6602)	HAAL 632 55V-STR WING FORCE-NAC 98 WIG H12 V5	BETA 5 000
(RC6600)	HAAL 632 55V-STR WING FORCE-NAC 89 WIG H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REPL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RC6002)	□ NAAL 032 SSV-STR WING FORCE-MAC B6 W10 H12 V3
(RC6000)	□ NAAL 032 SSV-STR WING FORCE-MAC B9 W10 H12 V3

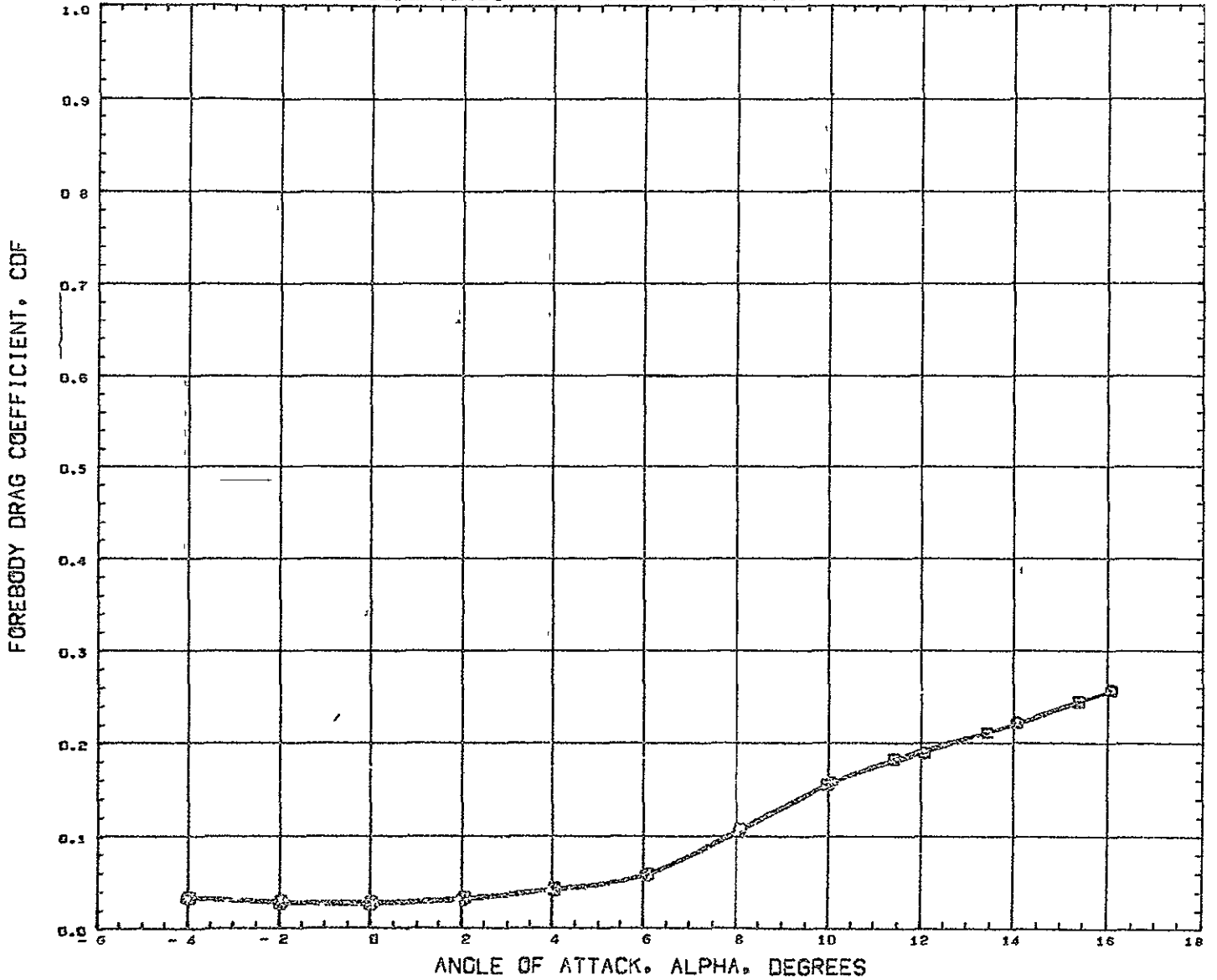
PARAMETRIC VALUES
 BETA 5.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 PEFL 15 7370 INCHES
 REFBL 11 3390 INCHES
 XNRP 9 8400 INCHES
 YNRP 0 0000 INCHES
 ZNRP 0 3840 INCHES
 SCALE 0 0076 SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG

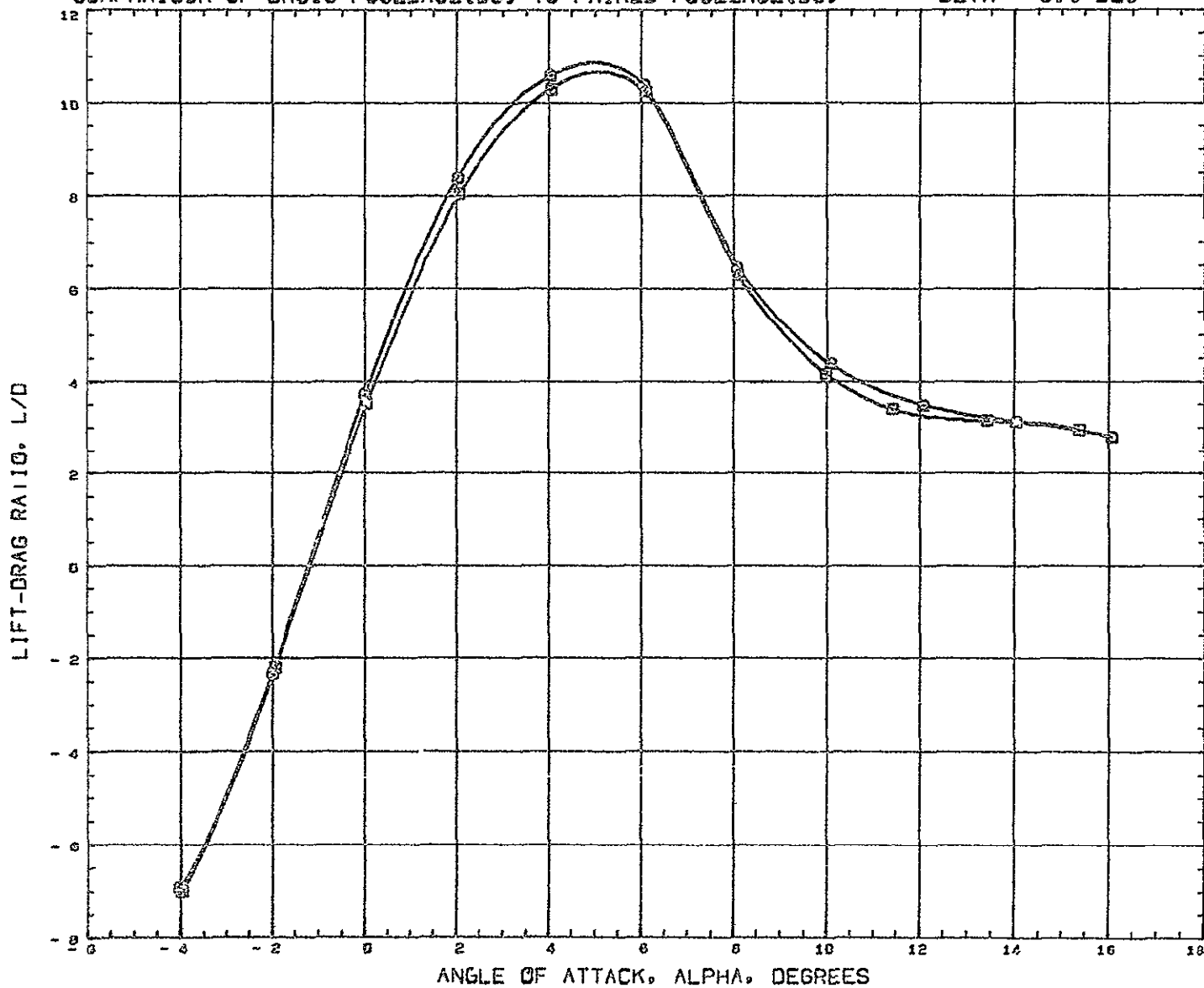


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG002)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RCG009)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3640 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG

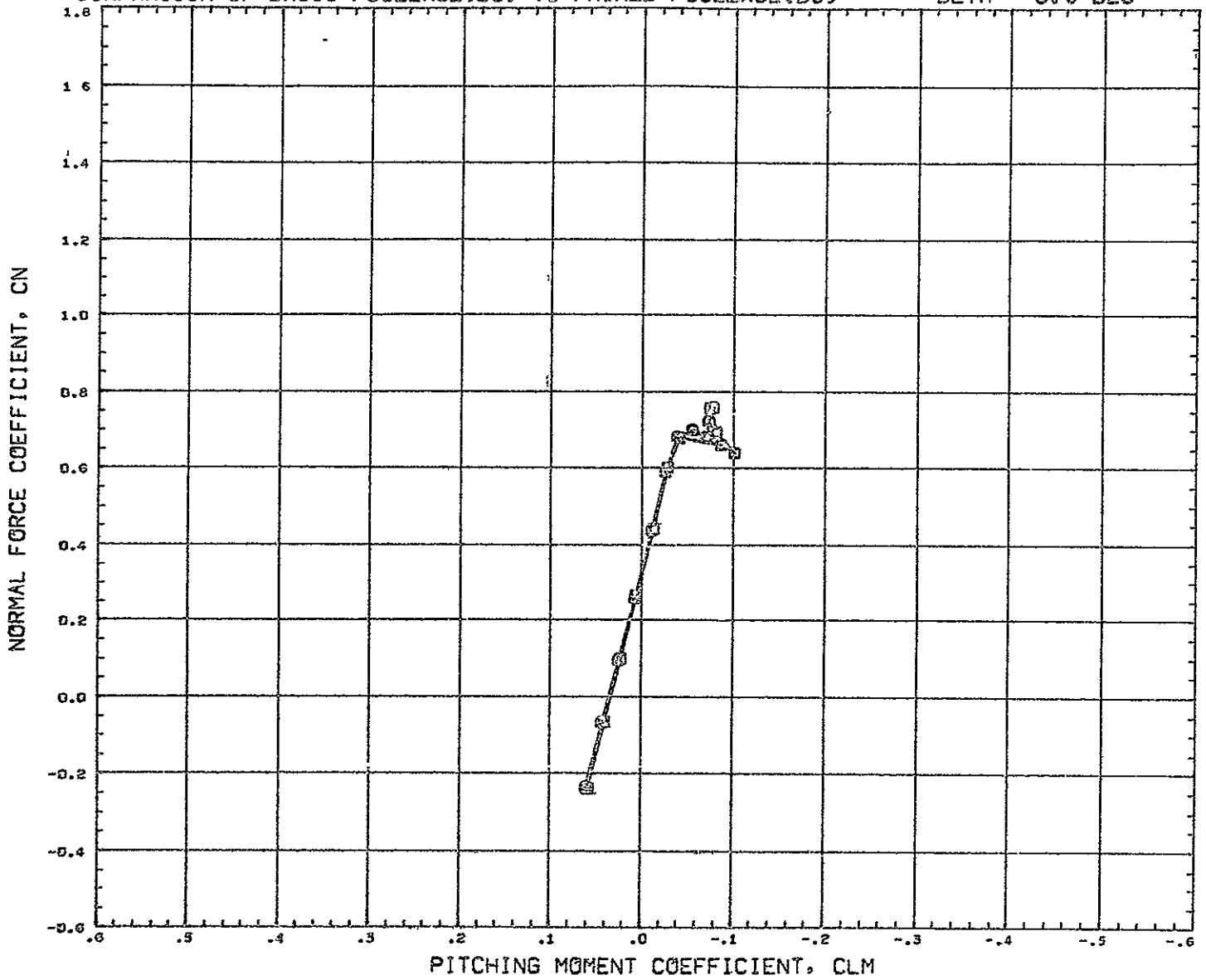


DAY SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6002)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V3	BETA 5.000	REFS 0 1790 SQ FT
(RC6009)	○ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V3		PEFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZMPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

PARAMETRIC VALUES

REFERENCE INFORMATION

(RCC002) □ NAAL 632 SSV-STR WING FORCE-MAC B6 WID H12 V5

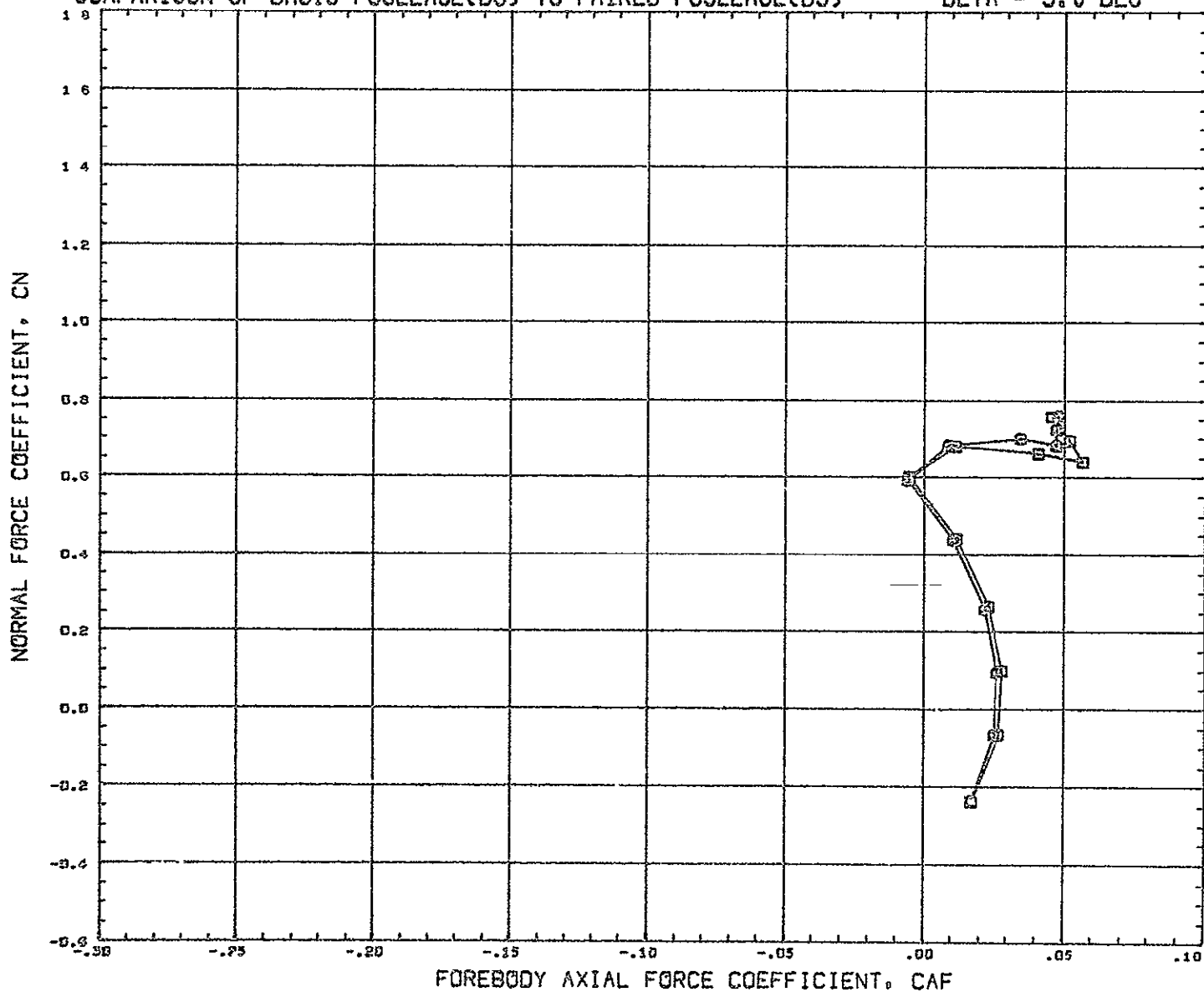
BETA 5.000

REFS 0.1700 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRF 9 8400 INCHES
 YNRF 0 0000 INCHES
 ZNRF 0 3840 INCHES
 SCALE 0 0076 SCALE

HACH 0 239

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG

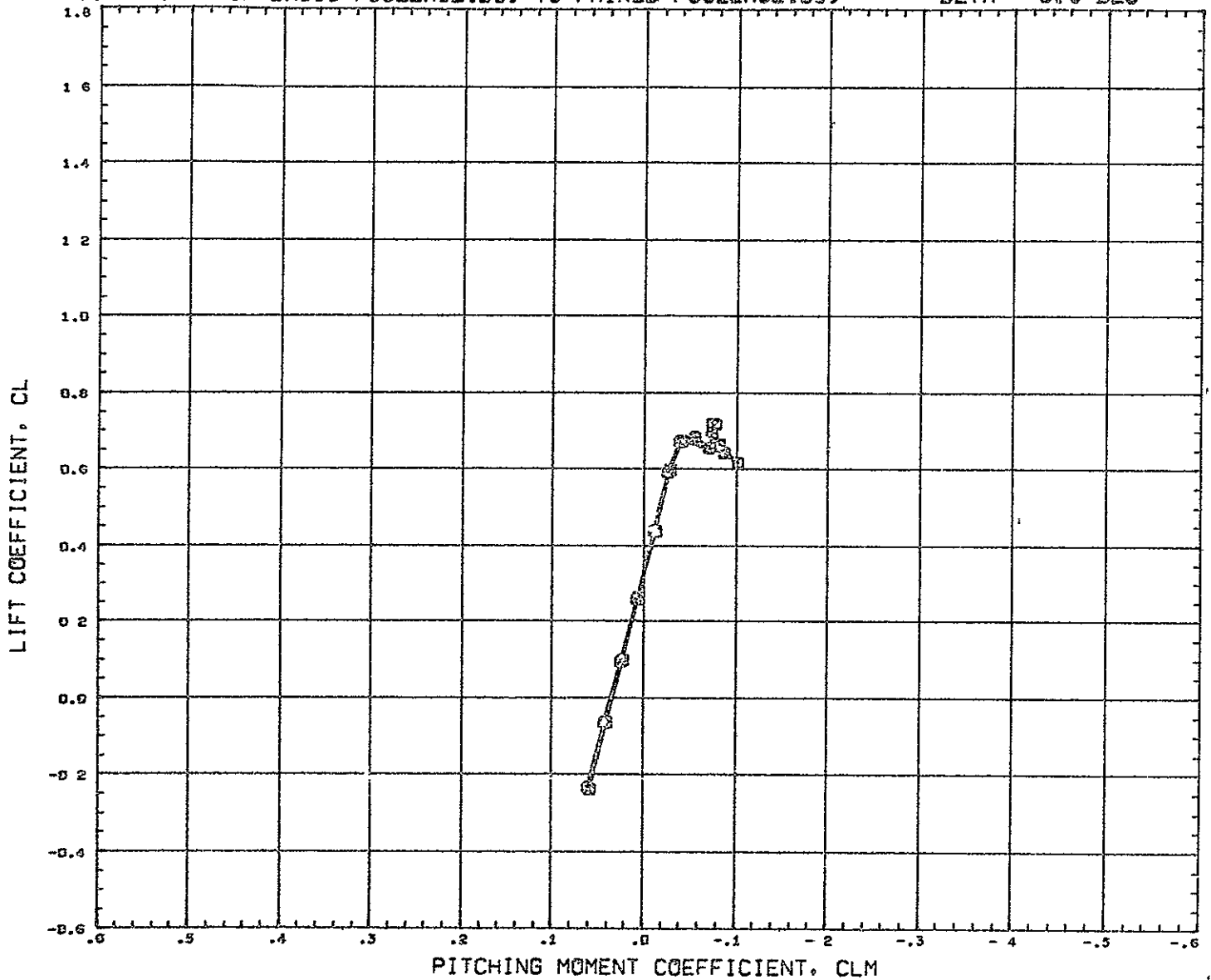


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6002)	NAAL 032 SSV-STR WING FORCE-NAC B6 W10 H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RC6003)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5		PEFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RCG082) □ MAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5
 (RCG088) □ MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5

PARAMETRIC VALUES

BETA 5.000

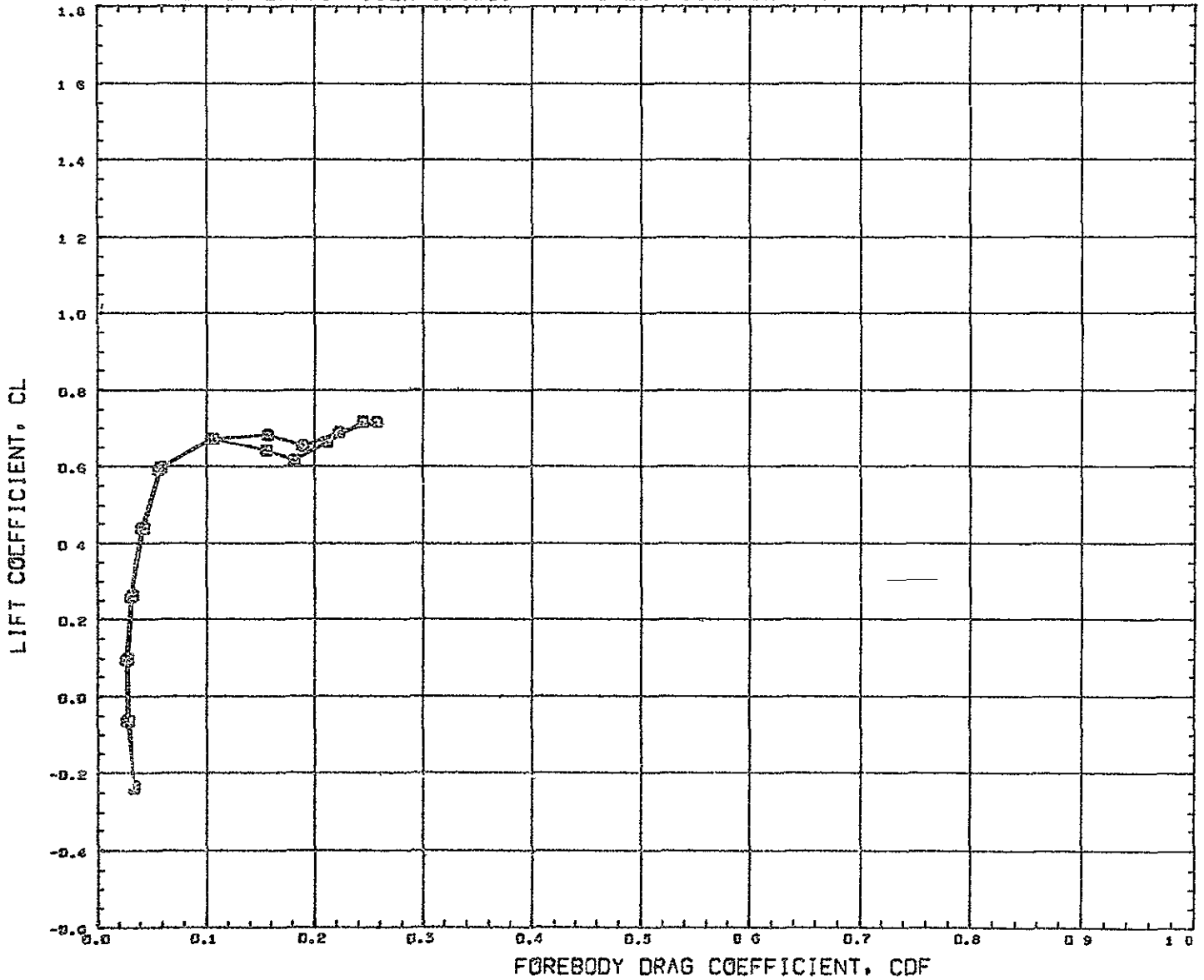
REFERENCE INFORMATION

REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRF 9 8400 INCHES
 YHRF 0 0000 INCHES
 ZHRF 0 3840 INCHES
 SCALE 0 0076 SCALE

MACH 0.259

COMPARISON OF BASIC FUSELAGE(B6) TO FAIRED FUSELAGE(B9)

BETA = 5.0 DEG

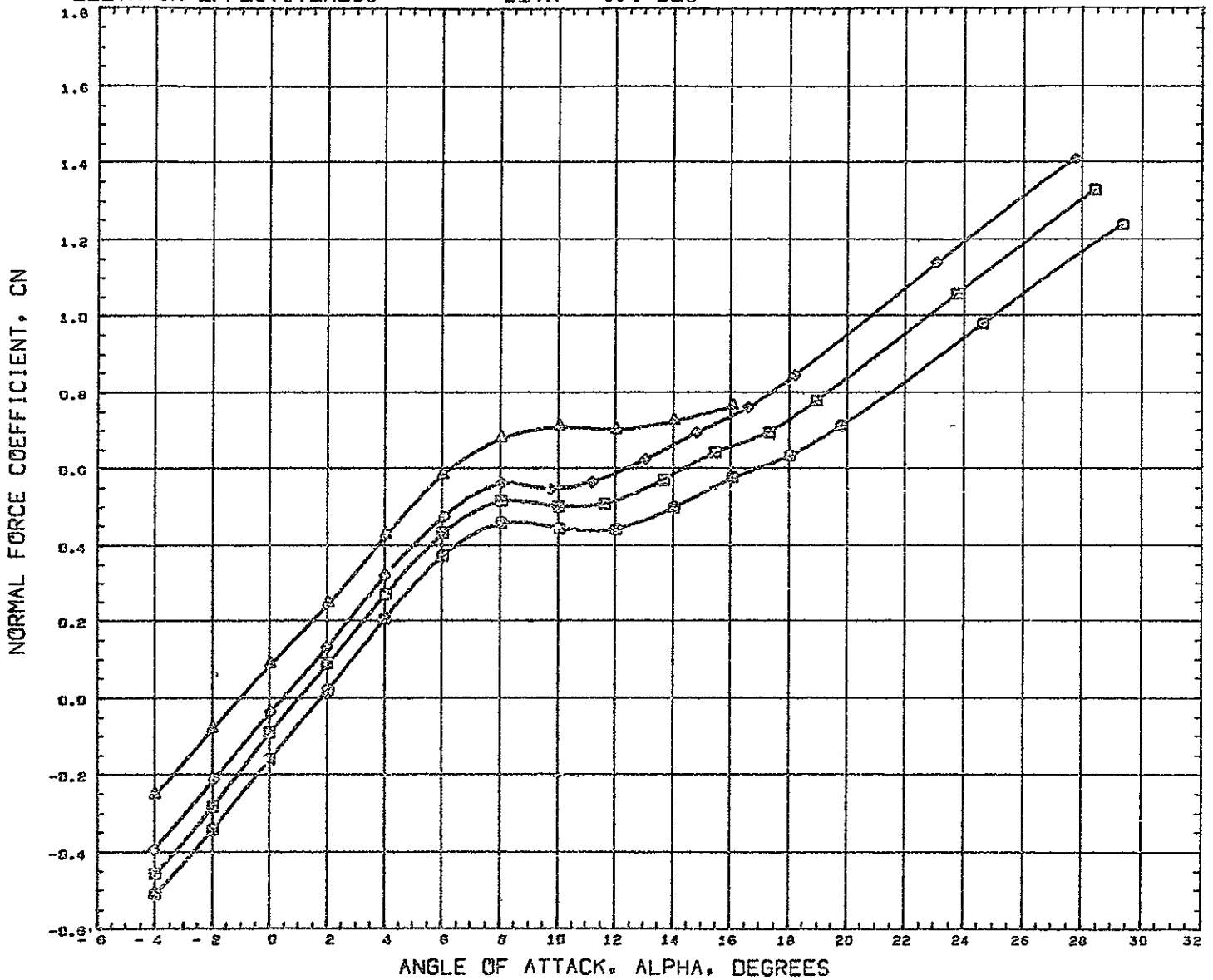


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(PC6002)	MAAL 032 SSV-STR WING FORCE-NAC B6 W10 H12 V5	BETA 5.000	REFS 0 1790 SQ FT
(RC6008)	MAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



SYMBOL	ELEVTR	MACH	PARAMETRIC VALUES	
○	- 30.000	0.250	BETA	0.000
□	- 20.000	0.000		
◇	- 10.000			
△	0.000			

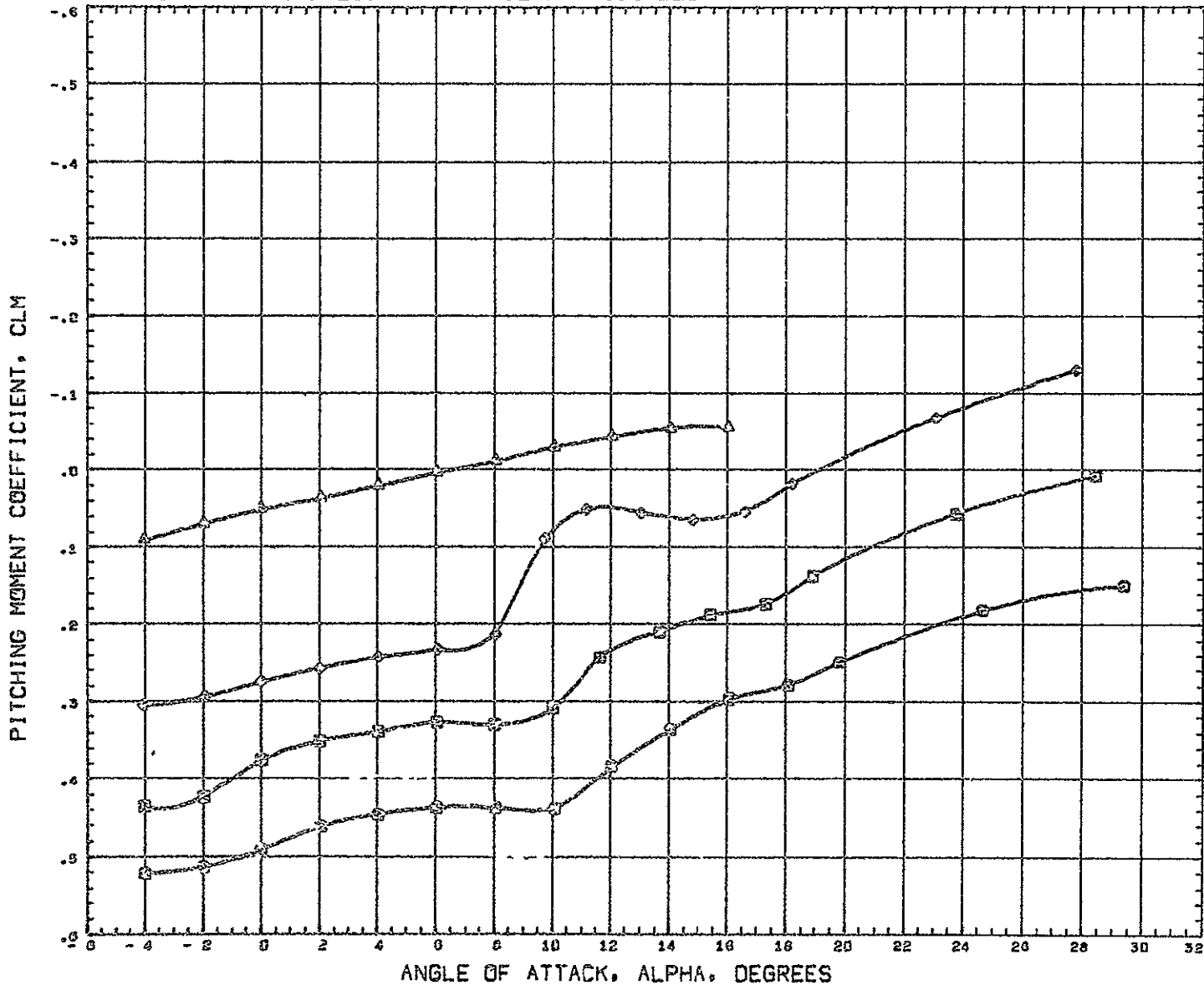
REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE N44L 632 NA-70-73



ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



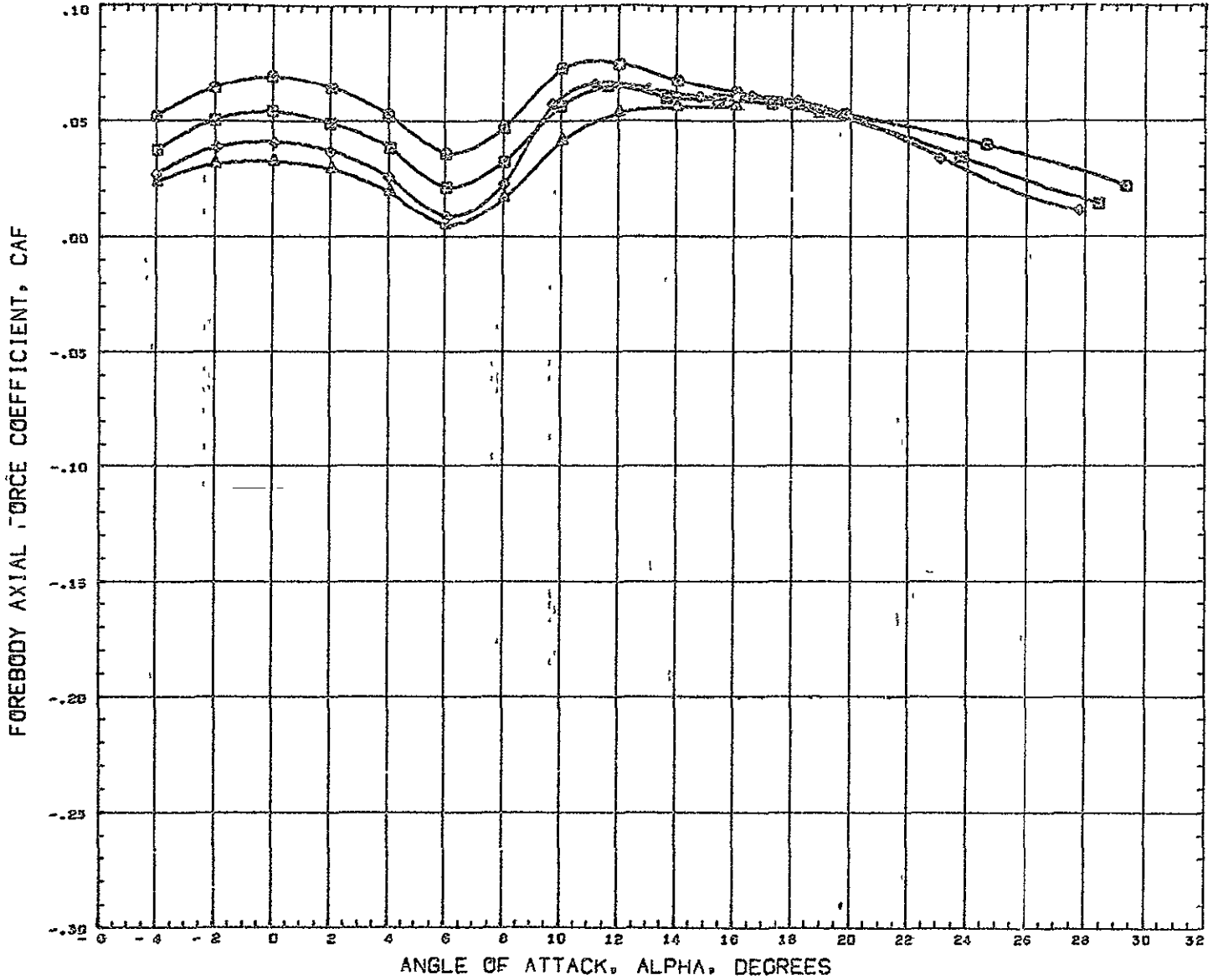
SYMBOL	ELEVTR	PARAMETRIC VALUES
○	30.000	HACH 0.259 BETA 0.000
□	20.000	HOR 0.000
◇	10.000	
△	0.000	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



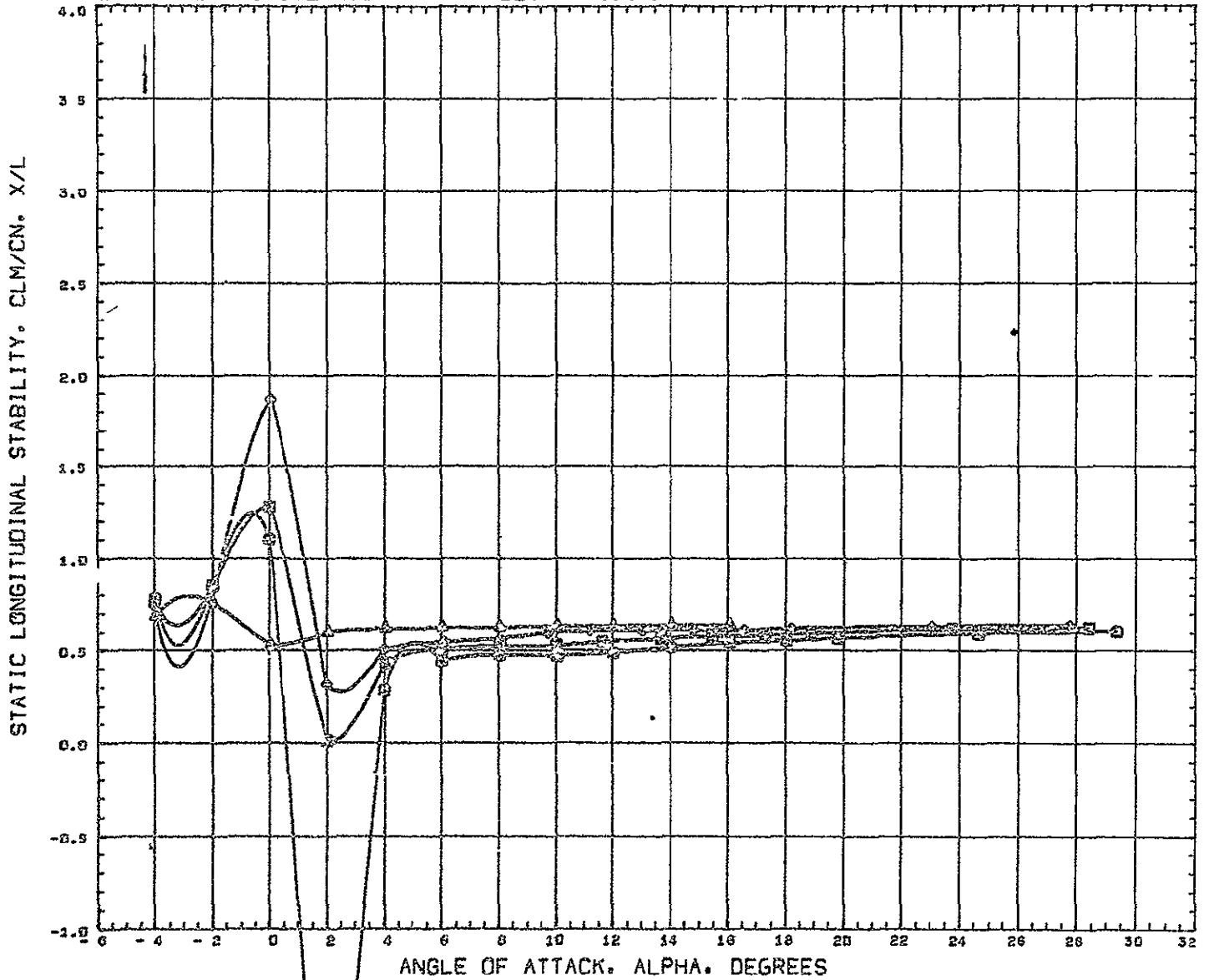
SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	30.000	MACH	0.233	BETA	0.000
□	20.000	HOR	0.000		
◇	10.000				
△	0.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15.7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 N4-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



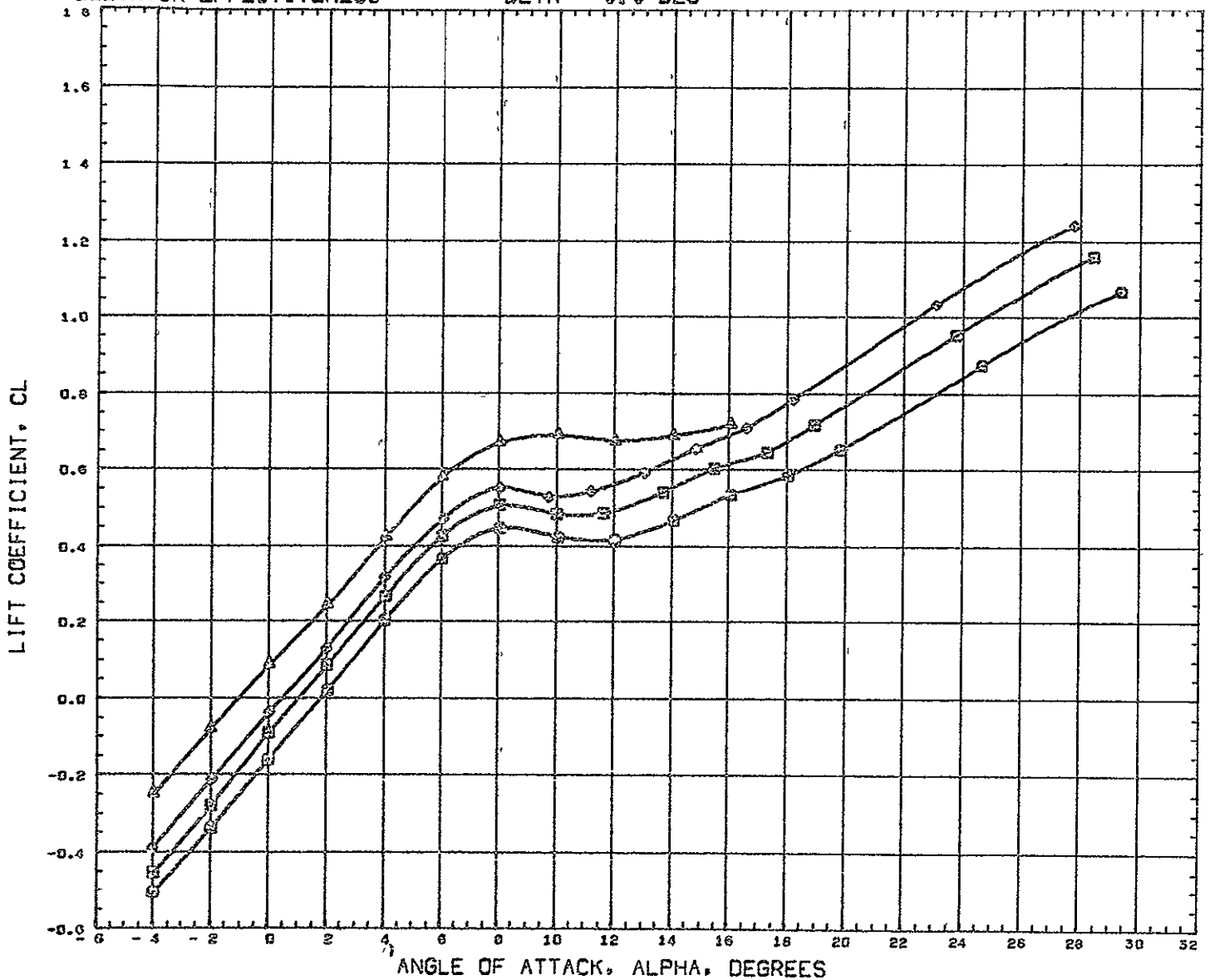
SYMBOL	ELEVTR	HACH	HOR	PARAMETRIC VALUES	BETA
□	- 30.000	HACH	0.238	BETA	0.000
◇	- 20.000	HOR	0.000		
○	- 10.000				
△	0.000				

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3040	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



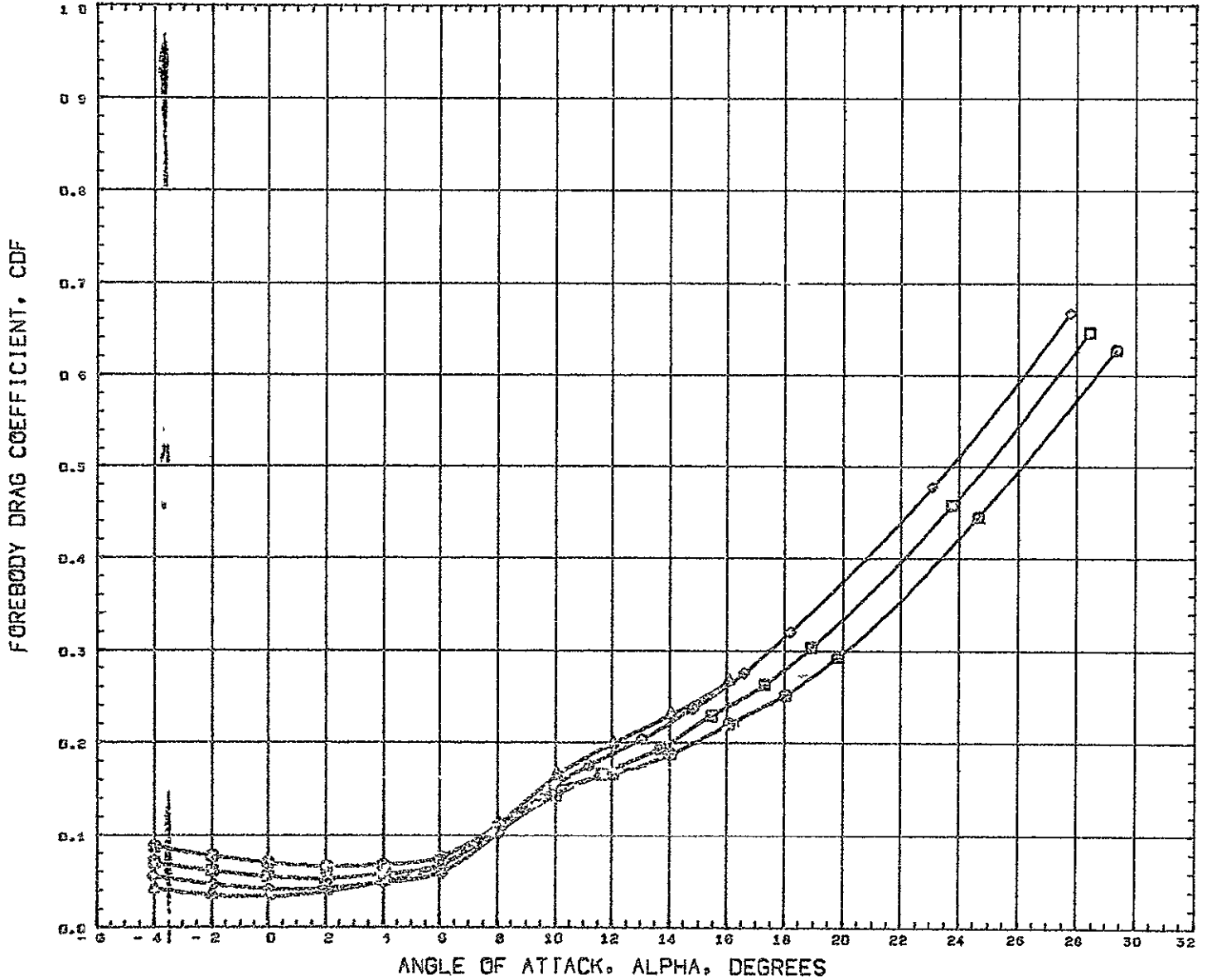
SYMBOL	ELEVTR	PARAMETRIC VALUES
○	- 30.000	MACH 0.259 BETA 0.000
□	- 20.000	FOR 0.000
◇	- 10.000	
△	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
PEFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



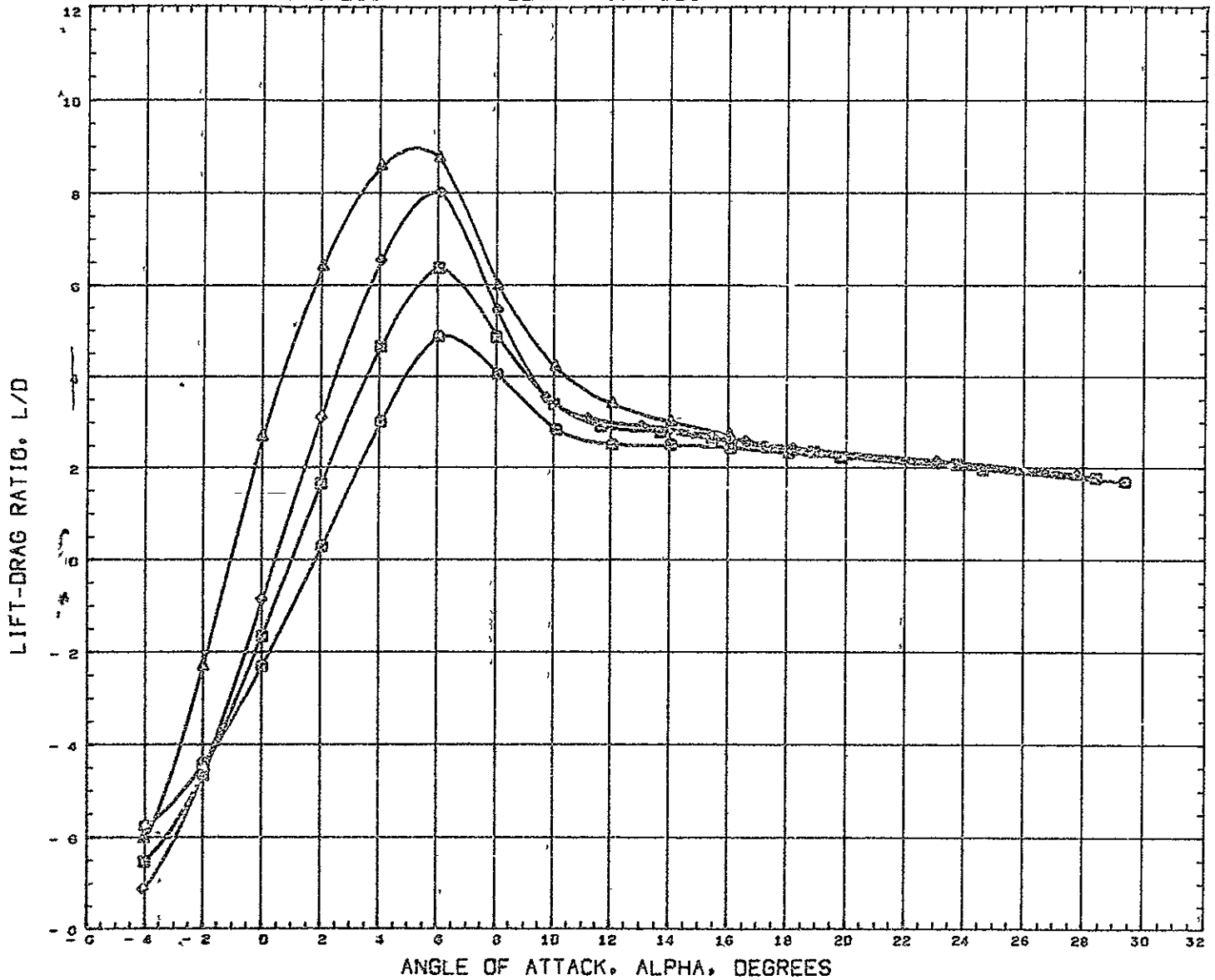
YMRP ELEVTP PARAMETRIC VALUES
 ○ - 30.000 MAC: 0.259 BETA 0.000
 □ - 20.000 I-CR 0.000
 ◇ - 10.000
 △ 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 HA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



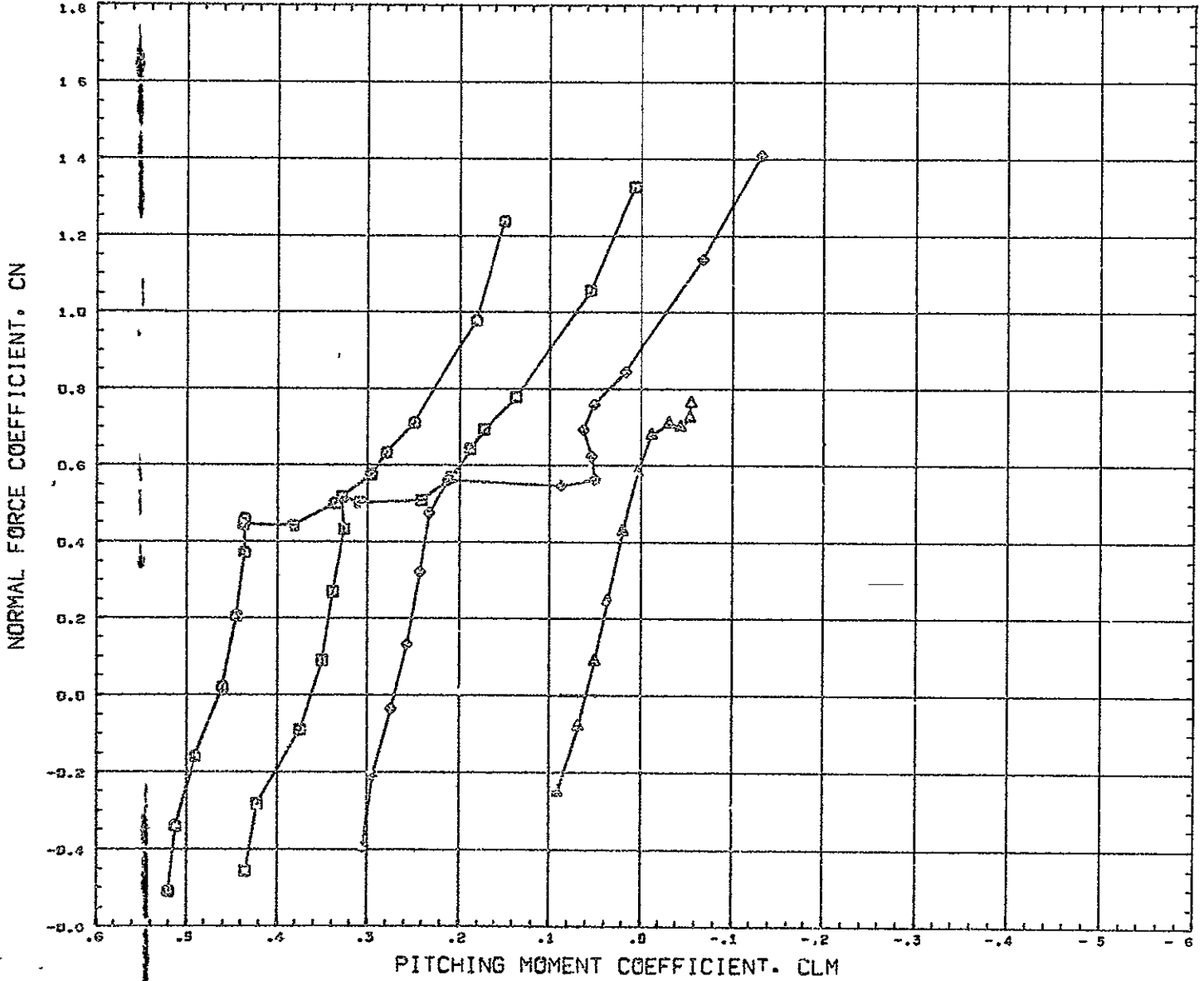
SYMBOL	ELEVTR	PARAMETRIC VALUES
○	- 30.000	HACW 0.250 BETA 0.000
□	- 20.000	HCR 0.000
◇	- 10.000	
△	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3040	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



SYMBOL ELEVTR
 ○ - 30.000
 □ - 20.000
 ◇ - 10.000
 △ - 0.000

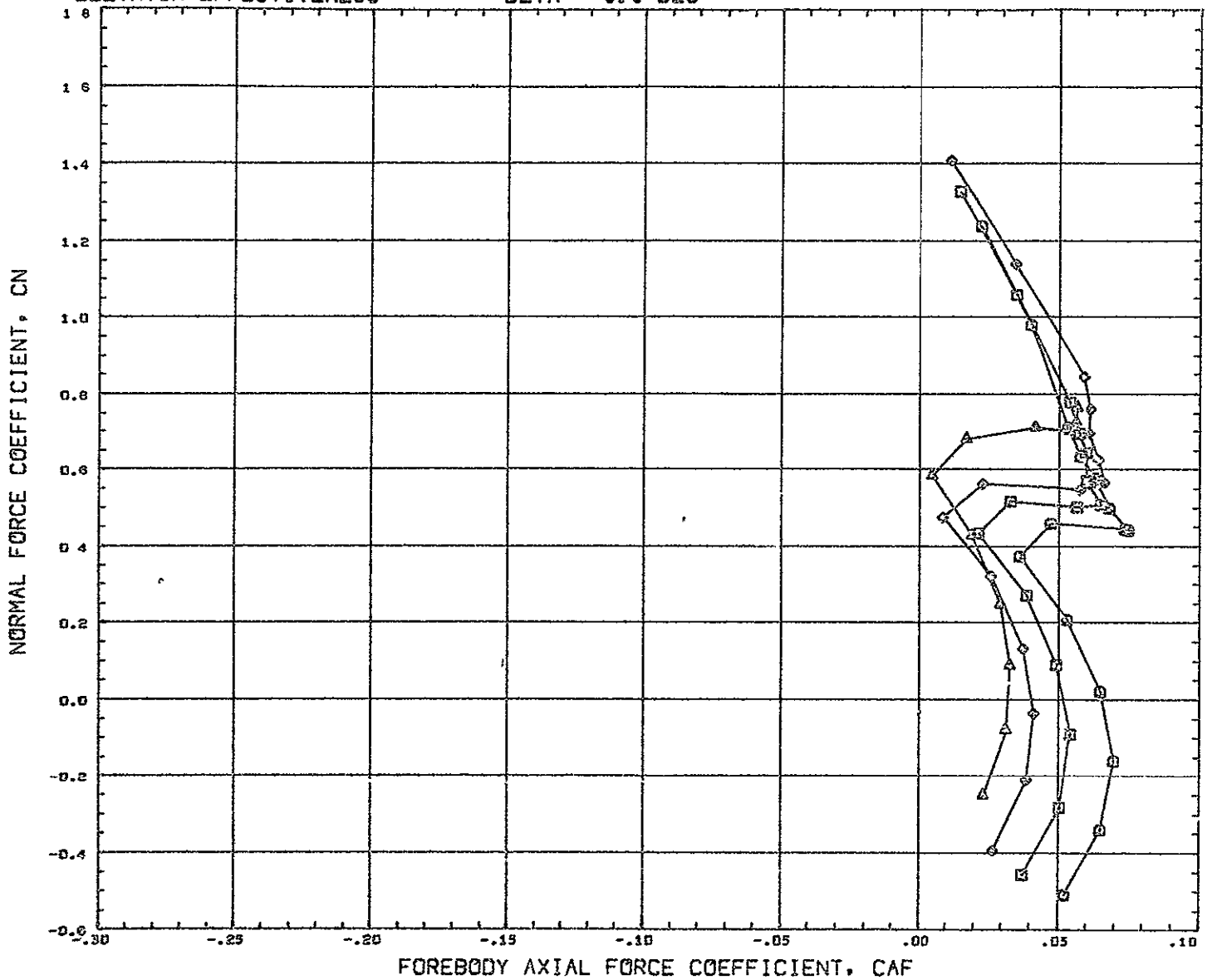
PARAMETRIC VALUES
 MACH 0.259 BETA 0.000
 HOR 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15.7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



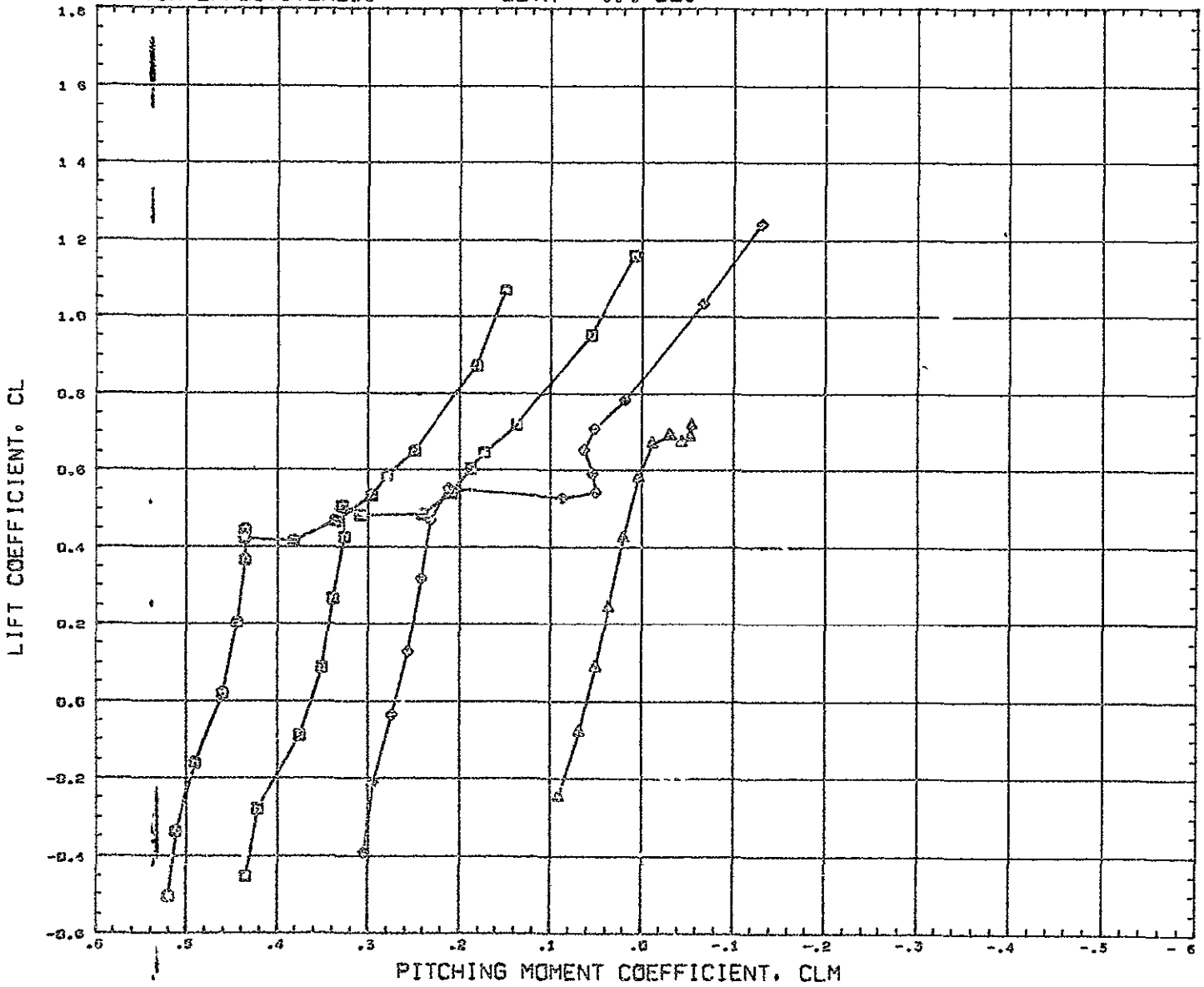
SYMBOL	ELEVTR	MACH	PARAMETRIC VALUES	BETA
○	30.000	0.259	0.259	0.000
□	20.000	0.000	0.000	0.000
◇	10.000			
△	0.000			

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



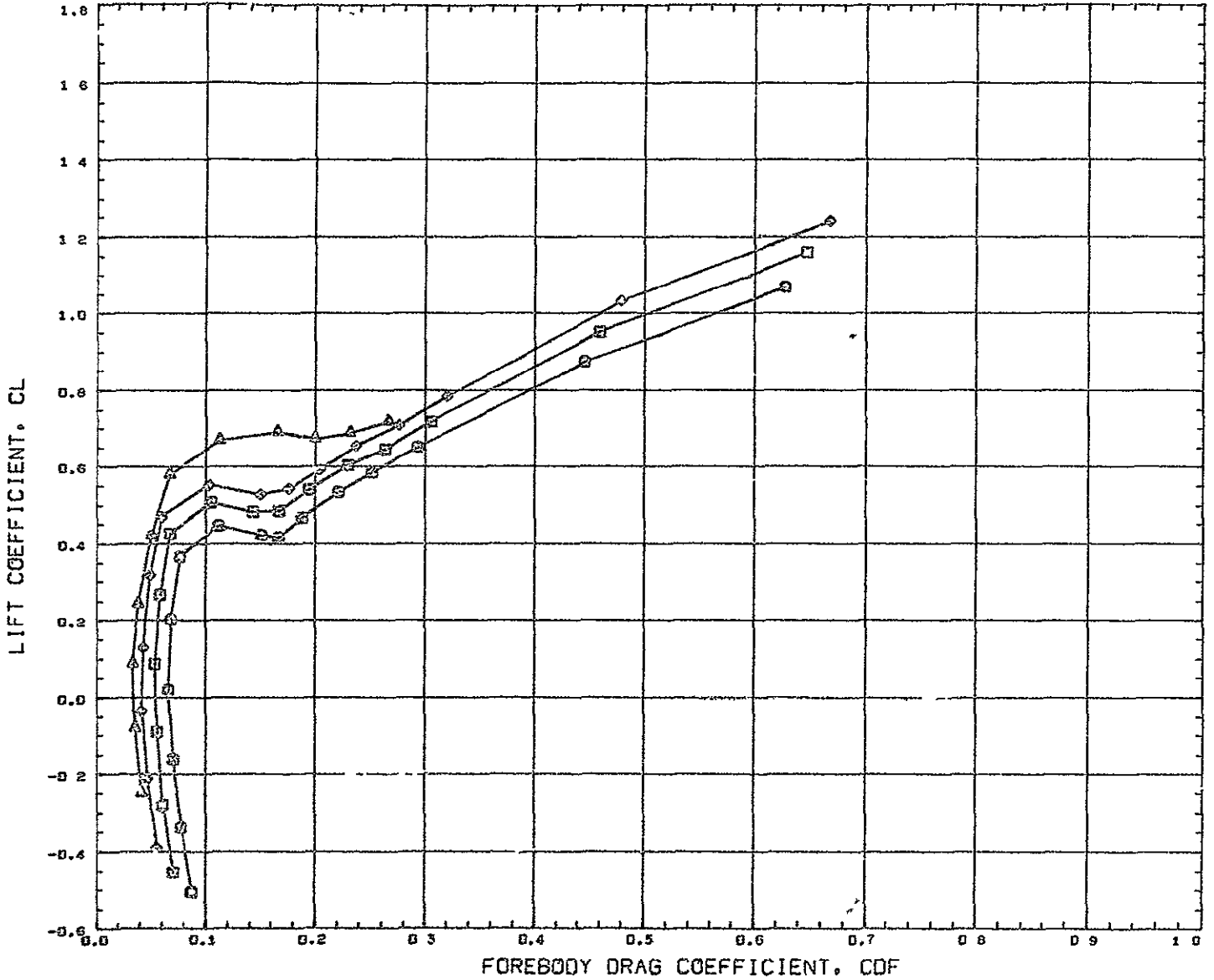
SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 30.000	MACH	0.250	BETA	0.000
□	- 20.000	NR	0.000		
◇	- 10.000				
△	0.000				

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS

BETA = 0.0 DEG



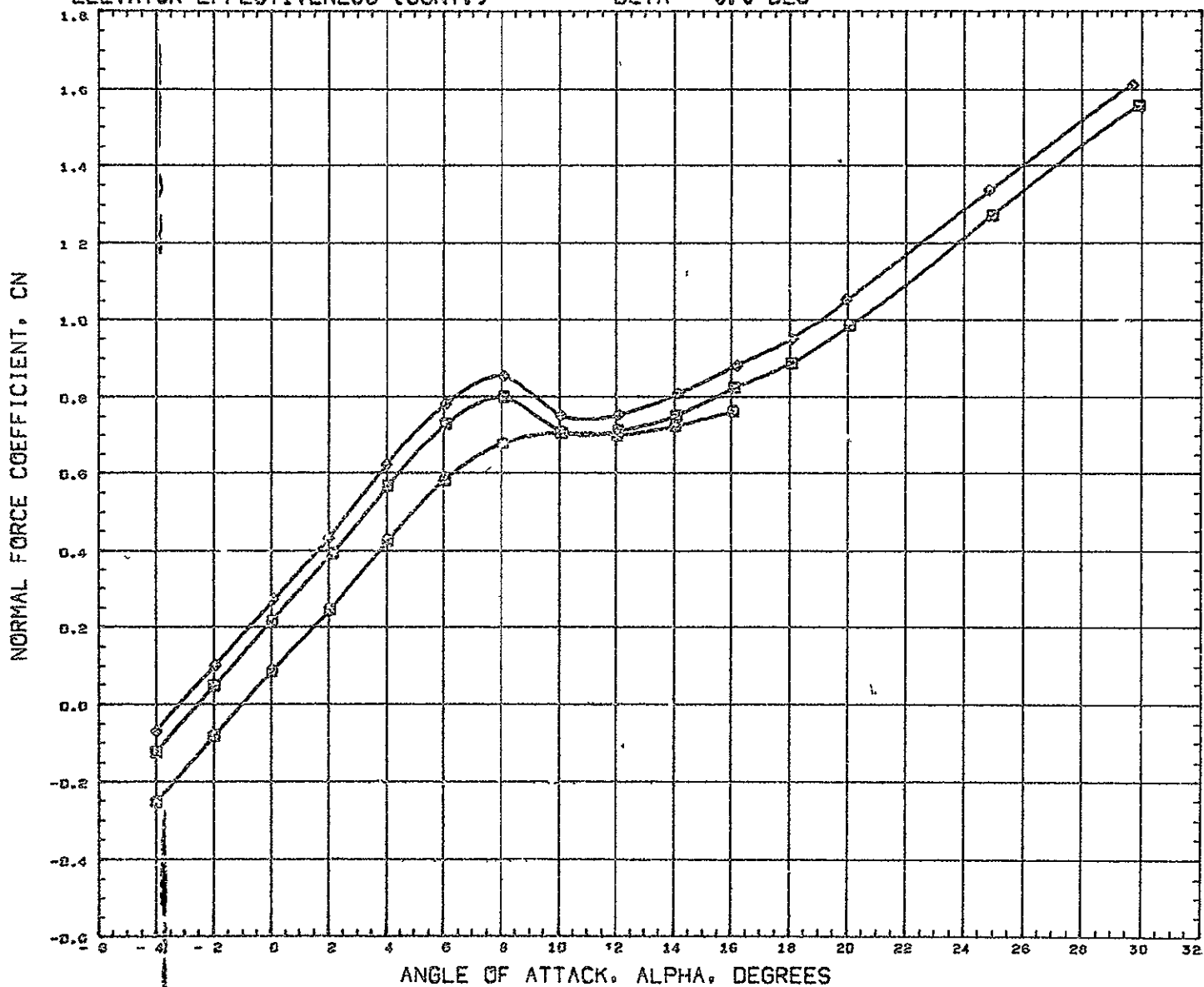
SYMBOL	ELEVTR	PARAMETRIC VALUES
○	- 30.000	MACH 0 259 BETA 0 000
□	- 20.000	MOR 0 000
◇	- 10.000	
△	9.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHPF	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0.3640	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



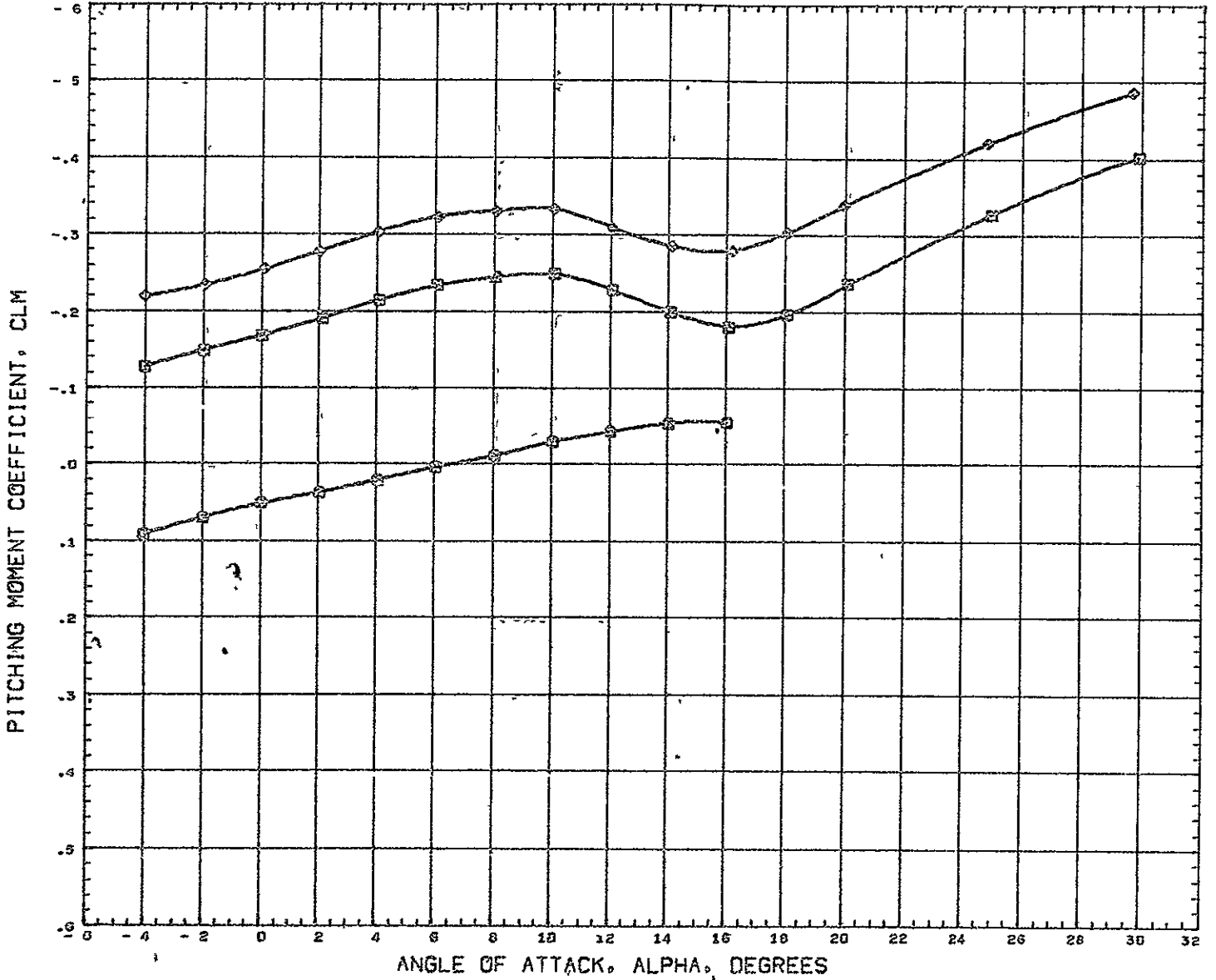
SYMBOL ELEVTR PARAMETRIC VALUES
 □ 0.000 MACH 0.250 BETA 0.000
 □ 10.000
 ○ 20.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 H1-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG

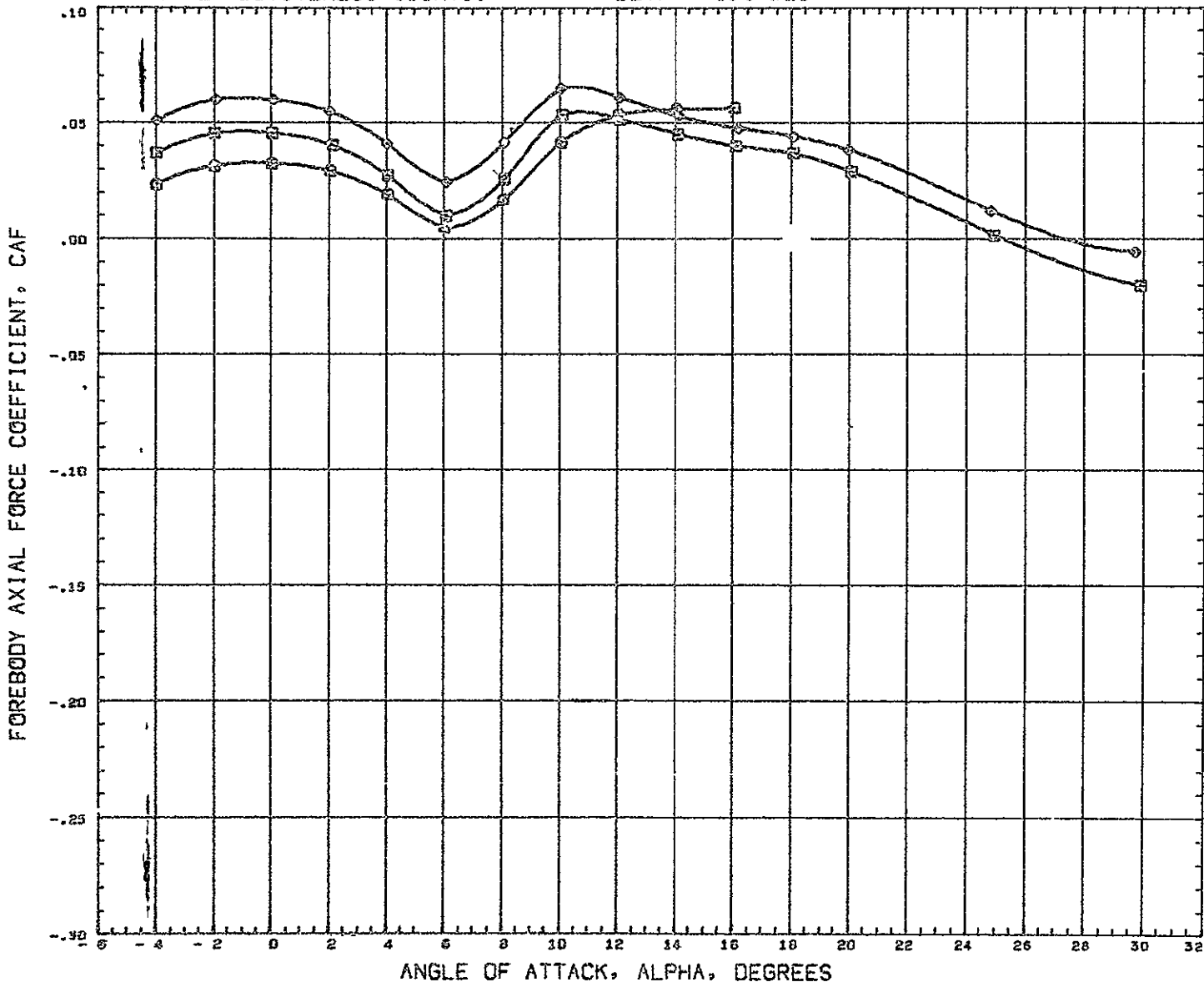


SYMBOL	ELEVTR	PARAMETRIC VALUES
○	0.000	MACH 0.219 BETA 0.000
□	10.000	
◇	20.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REPL	15 7370	INCHES
REFB	11 3390	INCHES
XMPP	9 8400	INCHES
YMPP	0 0000	INCHES
ZMPP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONT.) BETA = 0.0 DEG



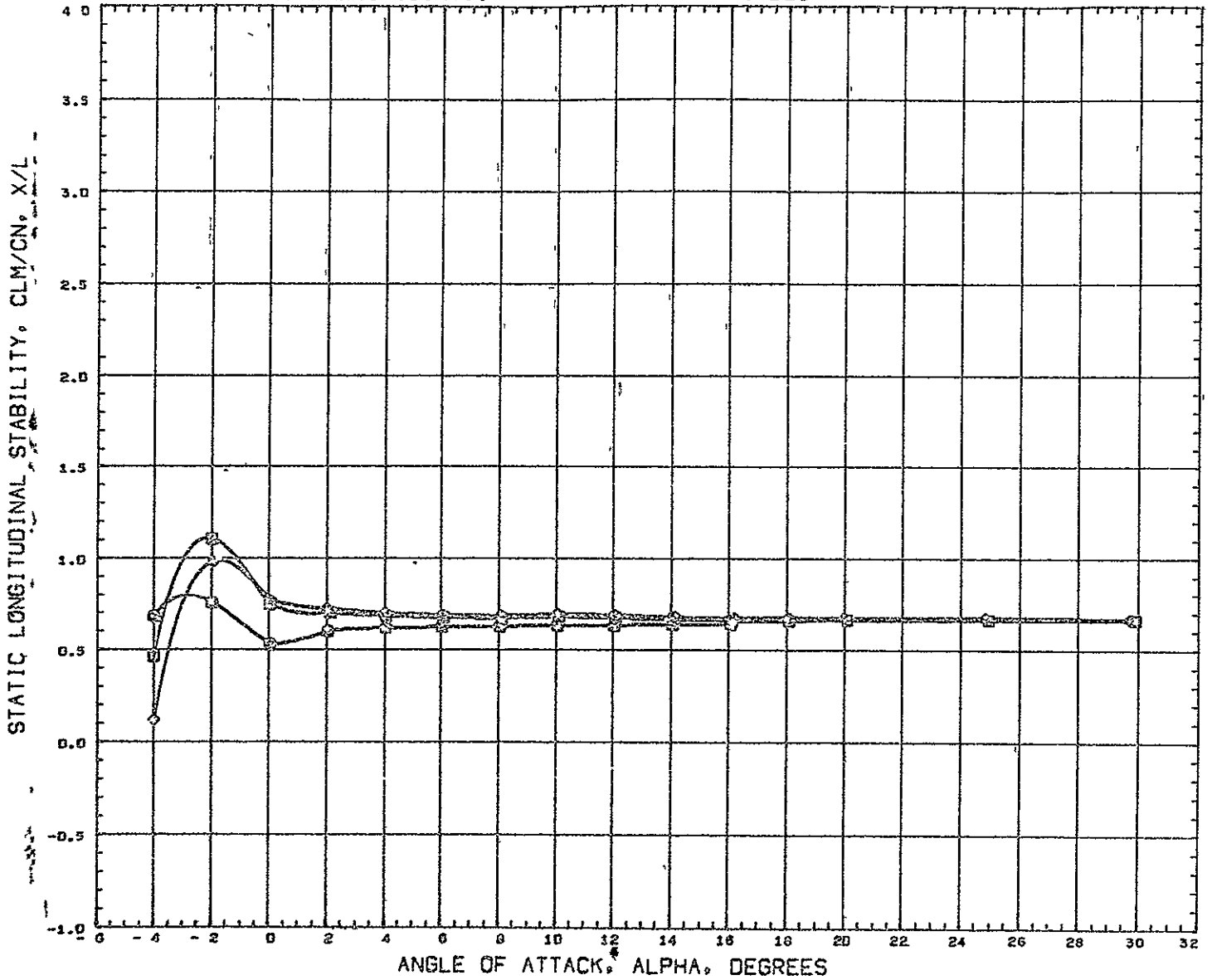
SYMBOL ELEVTR PARAMETRIC VALUES
 □ 0.000 MACH 0.259 BETA 0.000
 ◻ 10.000
 ◊ 20.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT.
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



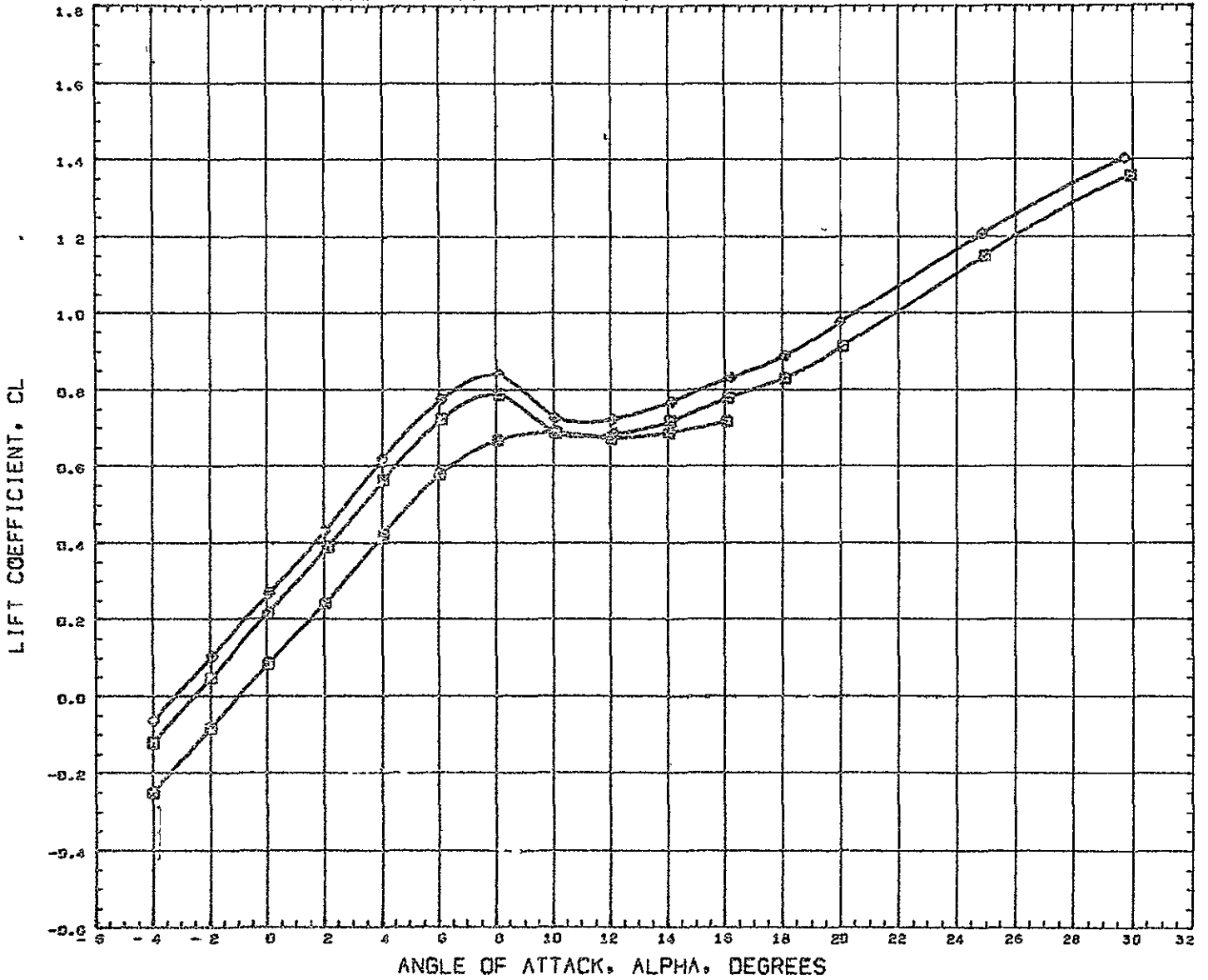
S²HDCL ELEVTR PARAMETRIC VALUES
 □ 10.000 MACH 0.259 BETA 0.000
 ◇ 20.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3300 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



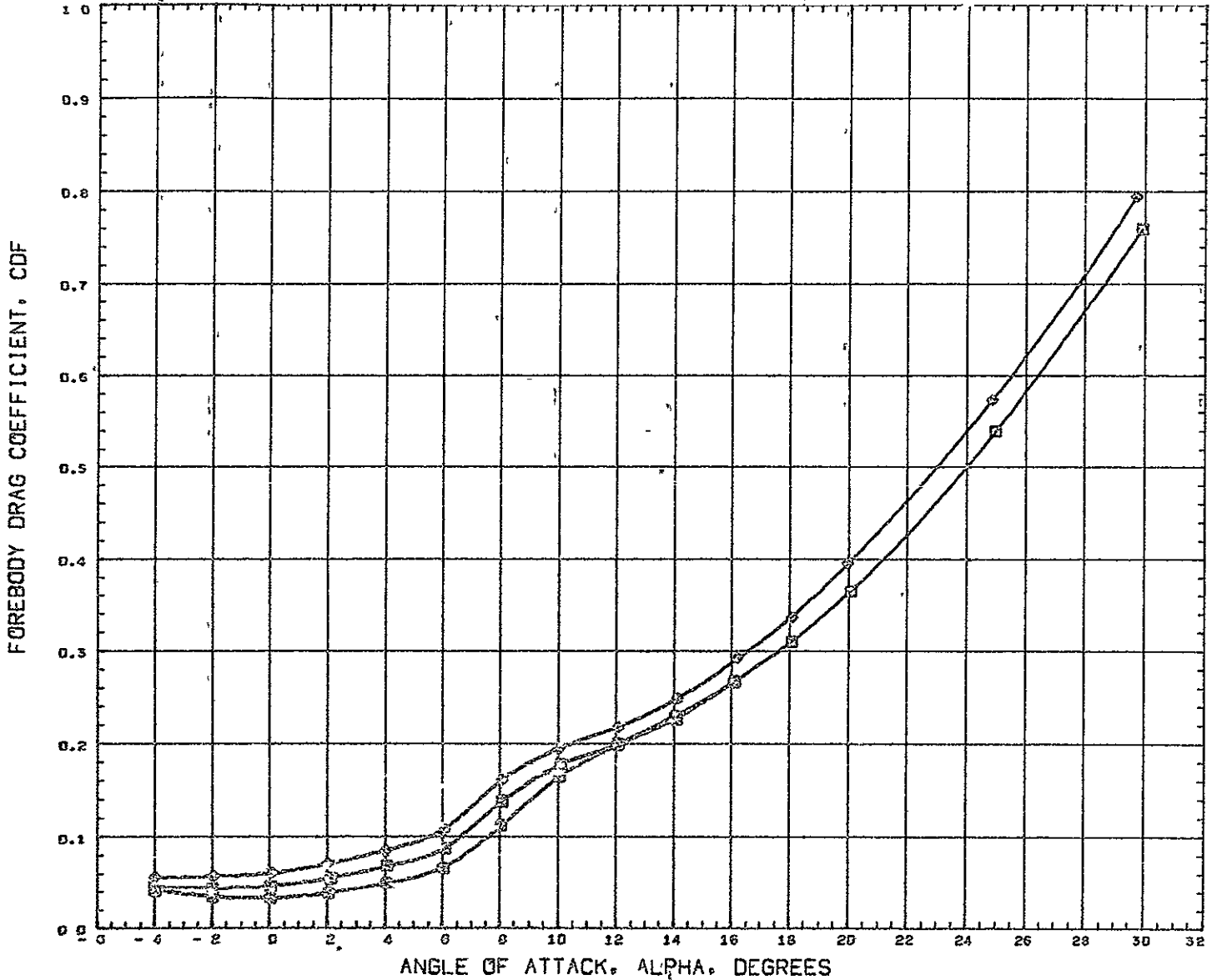
SYMBOL	ELEVTR	PARAMETRIC VALUES		
○	0.000	H4CH	0.259	BETA 0.000
□	10.000			
◇	20.000			

REFERENCE INFORMATION		
REFS	0 1790	50 FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMPF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



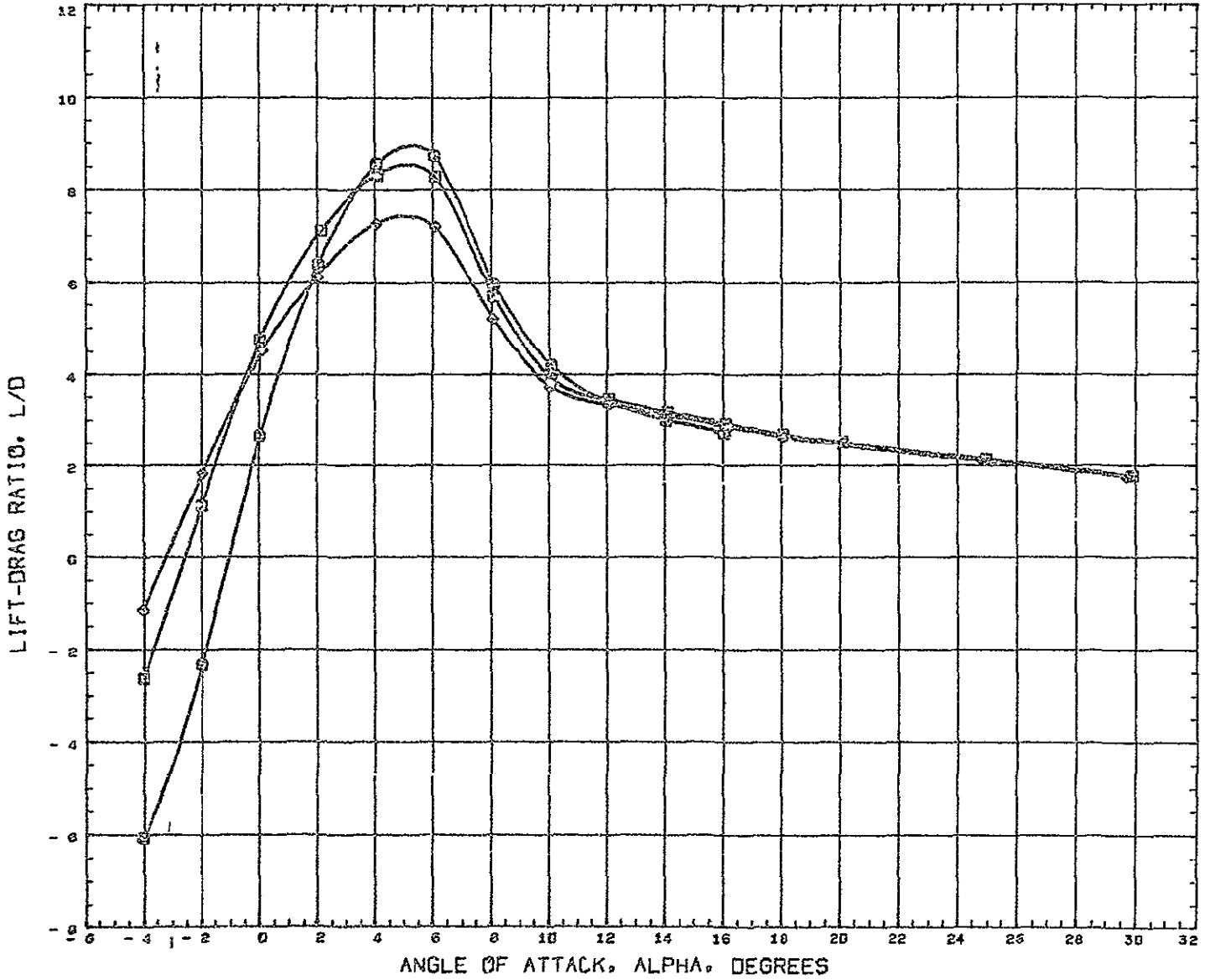
SYMBOL	ELEVTP	PARAMETRIC VALUES
○	0.000	BALM 0.259 BETA 0.000
□	10.000	
◇	20.000	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



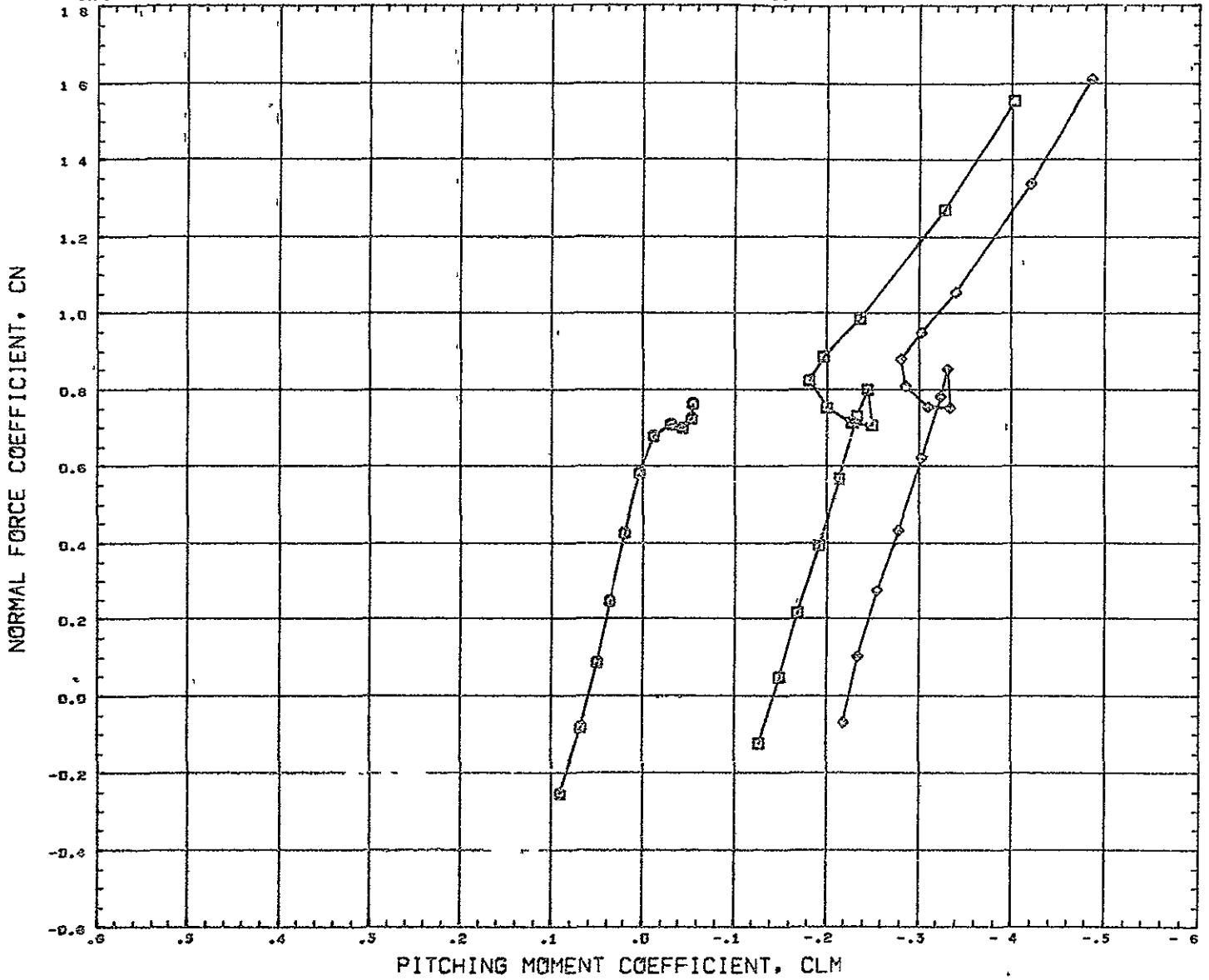
SYMBOL	ELEVTR	MACH	PARAMETRIC VALUES	
□	5.000		0.259	BETA 0.000
○	10.000			
◇	20.000			

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
PEFB	11	3390 INCHES
XMRP	9	8400 INCHES
YNPP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

REFERENCE FILE MAAL 632 MA-70-73

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



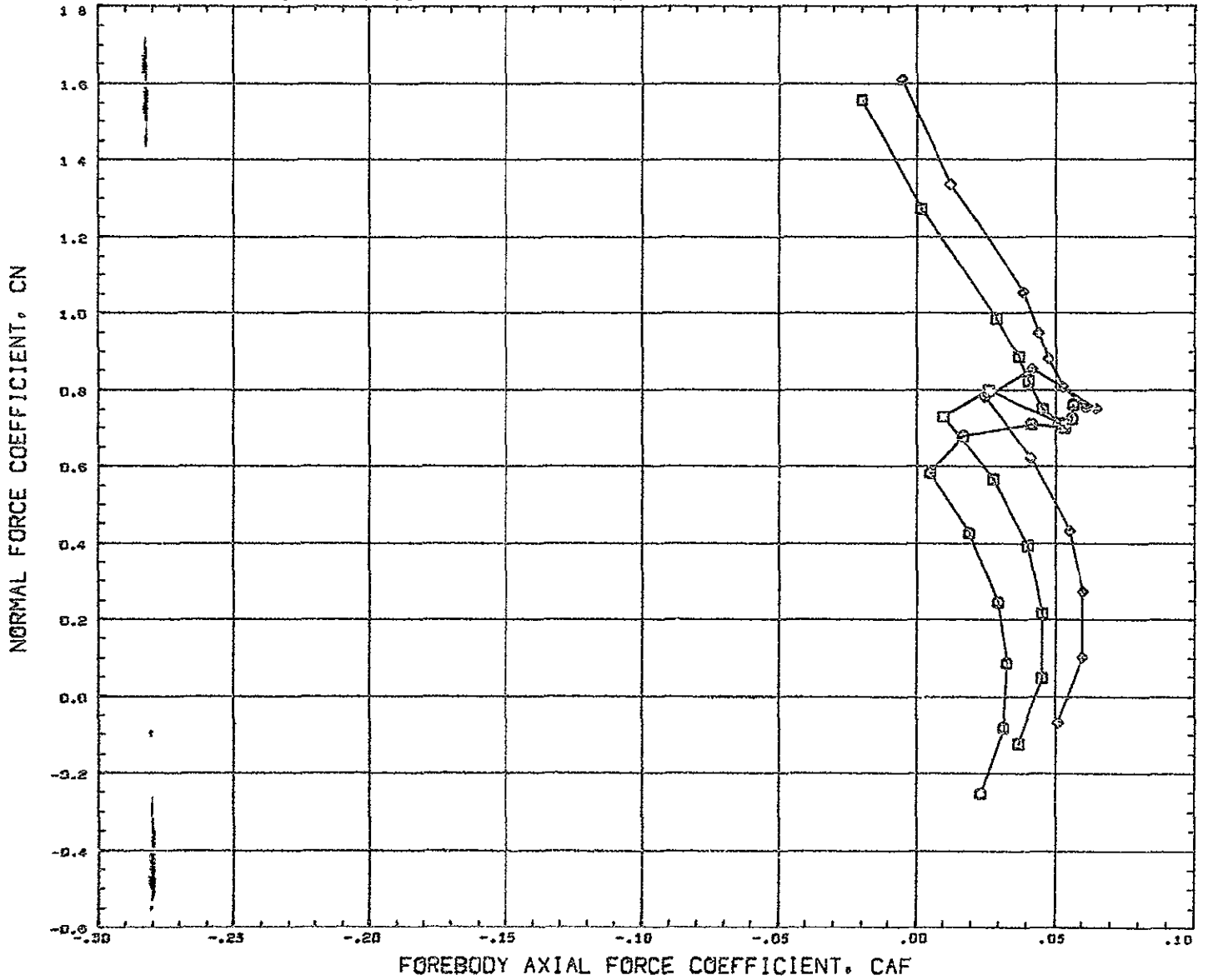
SYMBOL ELEVTR PARAMETRIC VALUES
 ○ 0.000 MACH 0.259 BETA 0.000
 □ 10.000
 ◇ 20.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REPB 11 3390 INCHES
 XMPP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS (CONI.)

BETA = 0.0 DEG



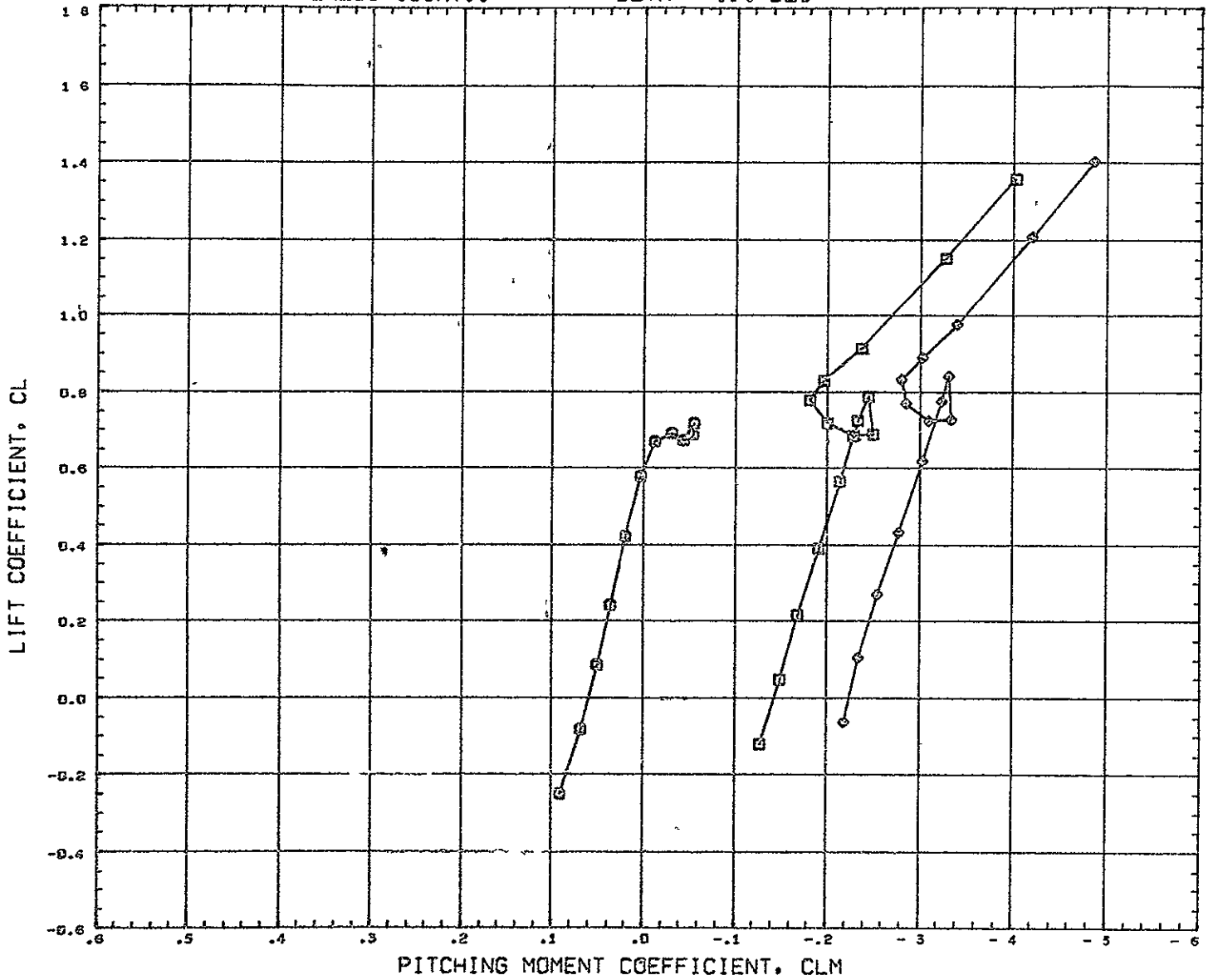
SYMBOL	ELEVTR	MACH	PARAMETRIC VALUES		
○	0.000	0.259	BETA	0.000	
□	10.000				
◇	20.000				

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NPAAL 632 HA-70-75

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG



SYMBOL	ELEVTR	PARAMETRIC VALUES
○	0.000	MACH 0.259 BETA 0.000
□	10.000	
◇	20.000	

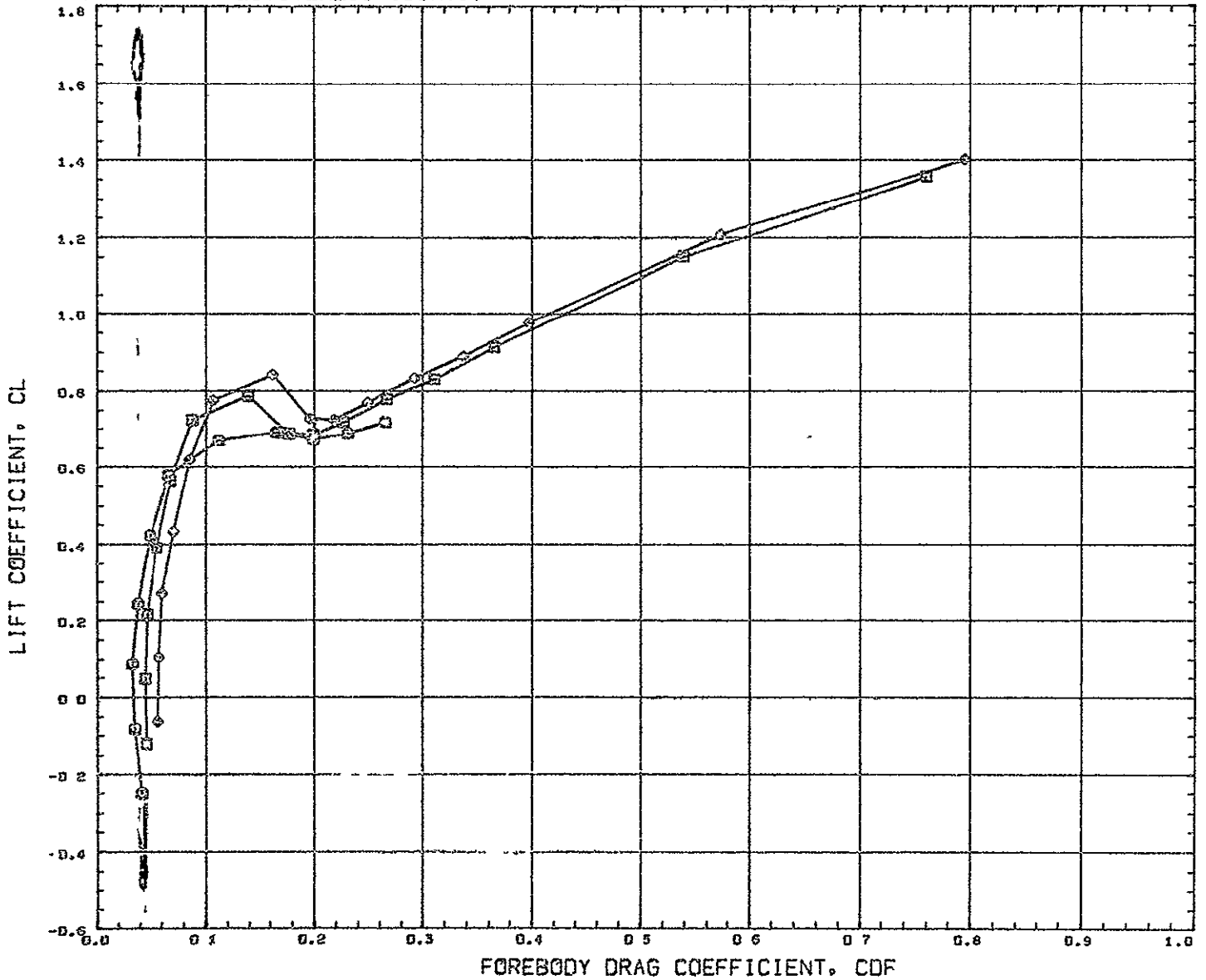
REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRF	9 8400	INCHES
YHRF	0.0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

4289

ELEVATOR EFFECTIVENESS (CONT.)

BETA = 0.0 DEG

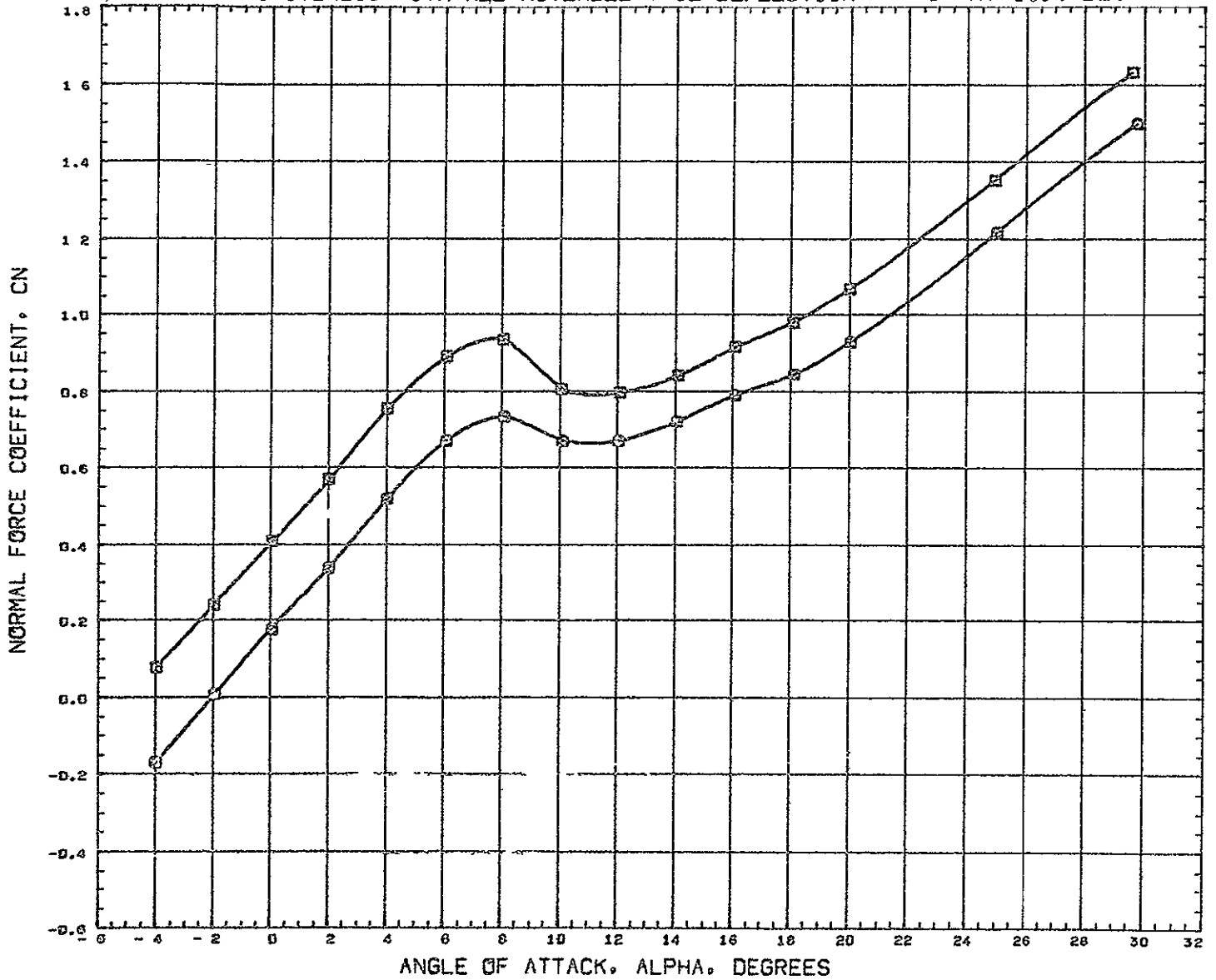


SYMBOL	ELEVTR	MACH	PARAMETRIC VALUES		
□	0.000	10.000	0.259	BETA	0.000
◇	10.000	20.000			

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

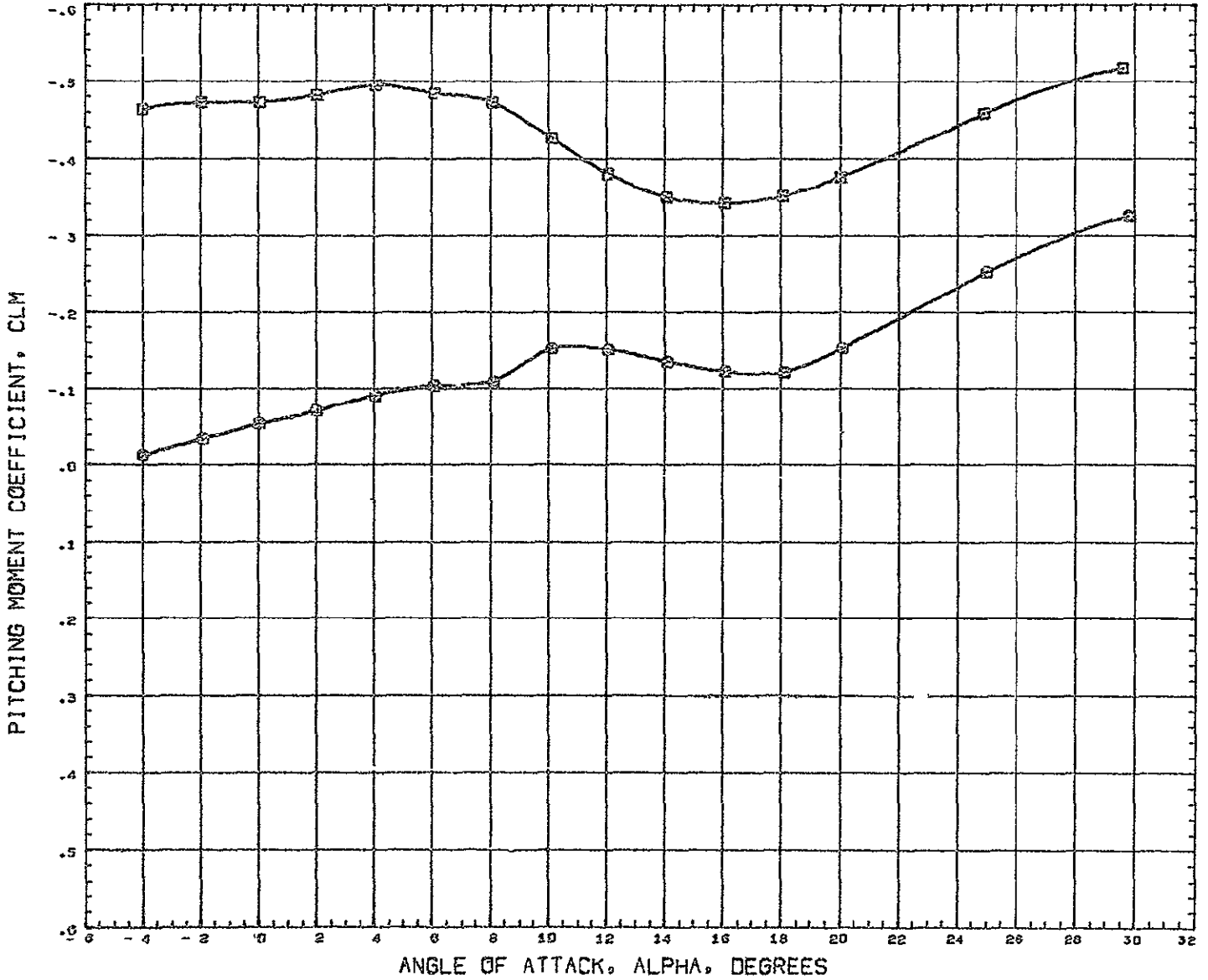


SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	-10.000	WACH	0.250	BETA	0.000
□	10.000	HOR	10.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

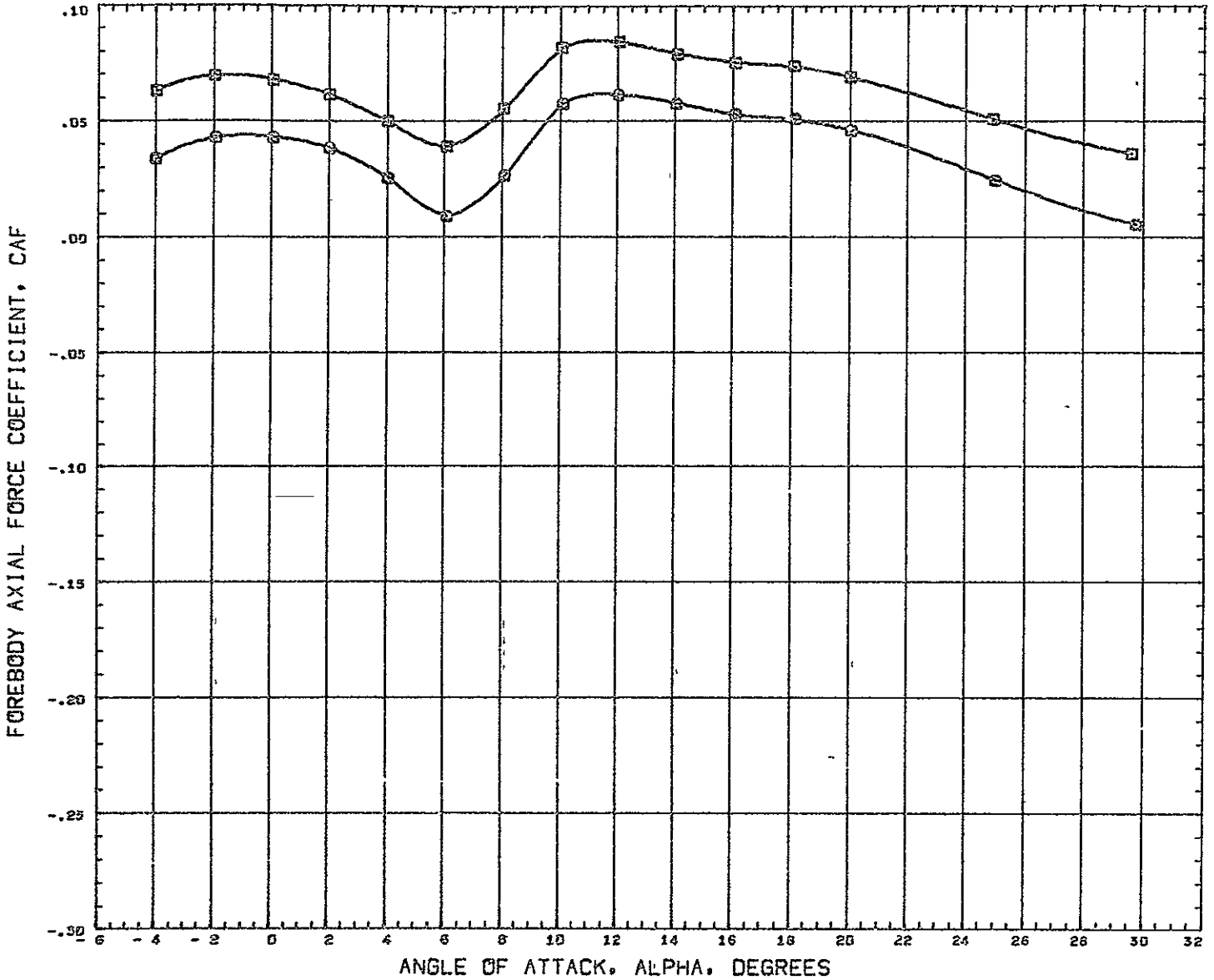


SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10.000	HACH	0.250	BETA	0.030
□	10.000	HOR	10.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMPP	0 0000	INCHES
ZMRP	0 3040	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 HA-70-75

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

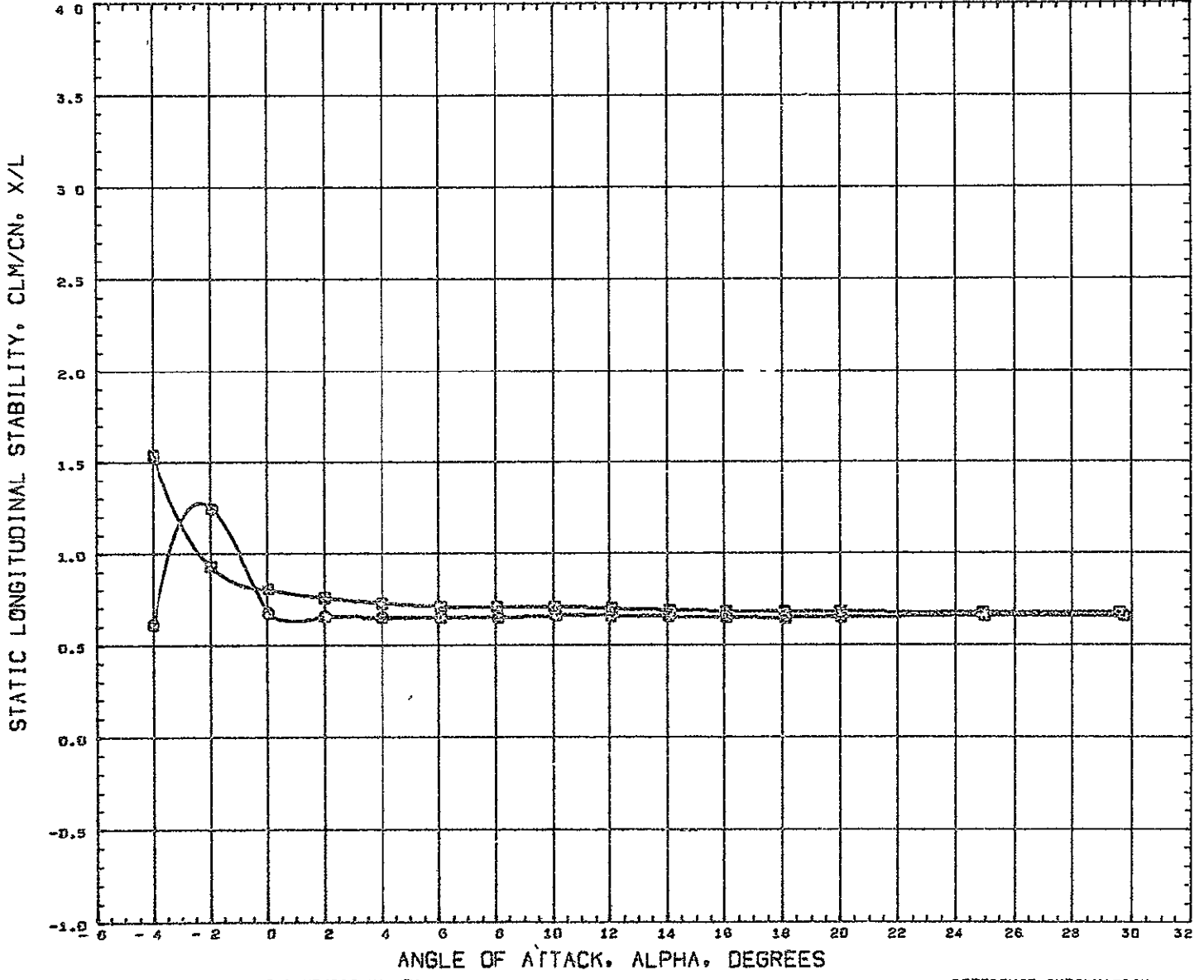


SYMBOL	ELEVTR	PARAMETRIC VALUES	
○	- 10.000	MACH	0.259 BETA 0.000
□	10.000	HOR	10.000

REFERENCE INFORMATION	
REFS	0 1790 SQ FT
REFL	15 7370 INCHES
REFB	11 3390 INCHES
XHRP	9 8400 INCHES
YHRP	0 0000 INCHES
ZHRP	0 3840 INCHES
SCALE	0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

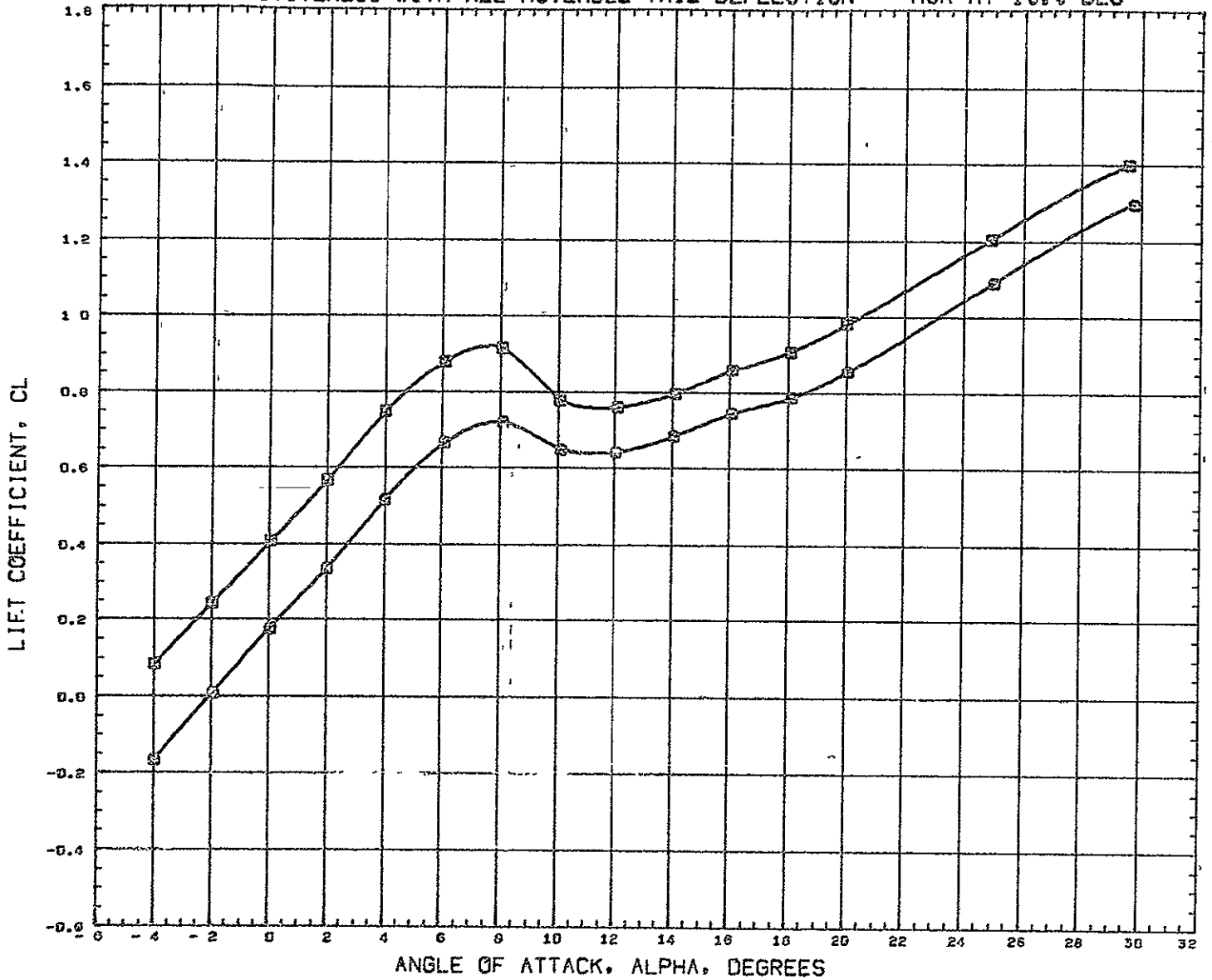


SYMBOL ELEVTR PARAMETRIC VALUES
 O - 10 000 MACH 0.259 BETA 0 000
 □ 10 000 HOR 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0600 INCHES
 ZHRP - 0 3840 INCHES
 SCALE 0 0676 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

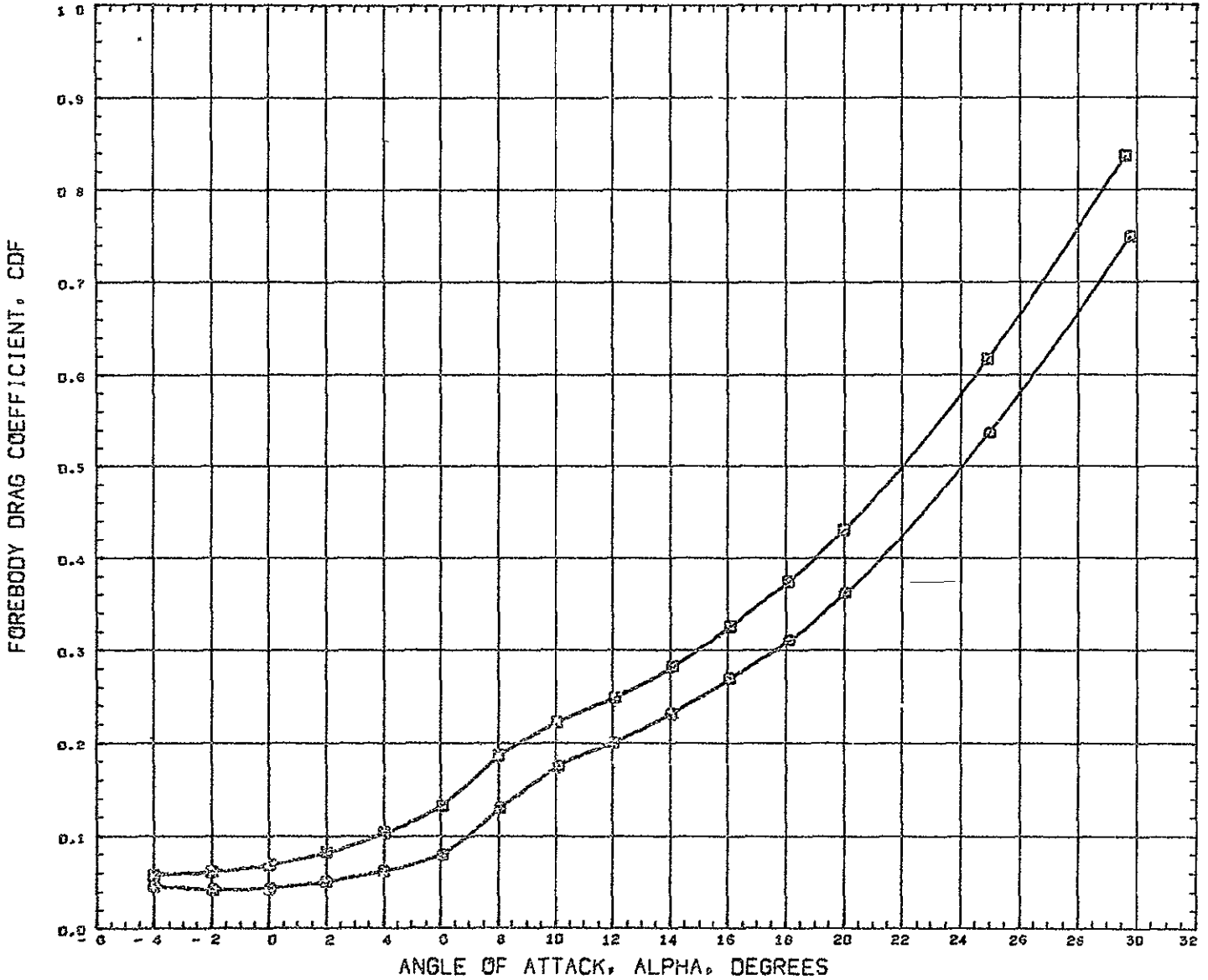


SYMBOL	ELEVTR	PARAMETRIC VALUES
○	10.000 hach	0.239 BETA 0.000
□	10.000 hor	10.000

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRP	9 8400	INCHES
YNRP	0.0000	INCHES
ZNRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 HA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

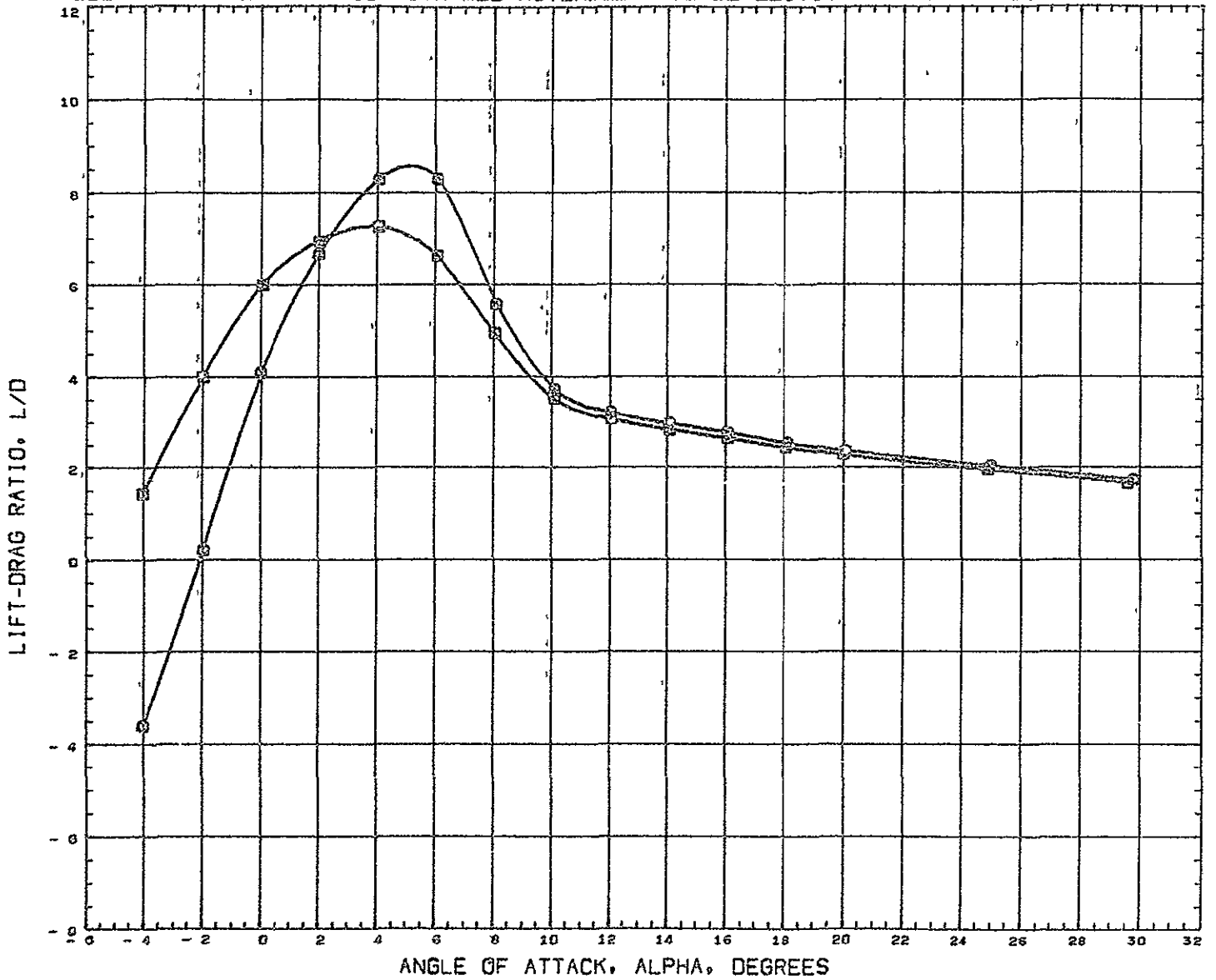


SYMBOL	ELEVTR	PARAMETRIC VALUES
○	- 10.000	MACH 0.239 BETA 0.000
□	10.000	HOR 10.000

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

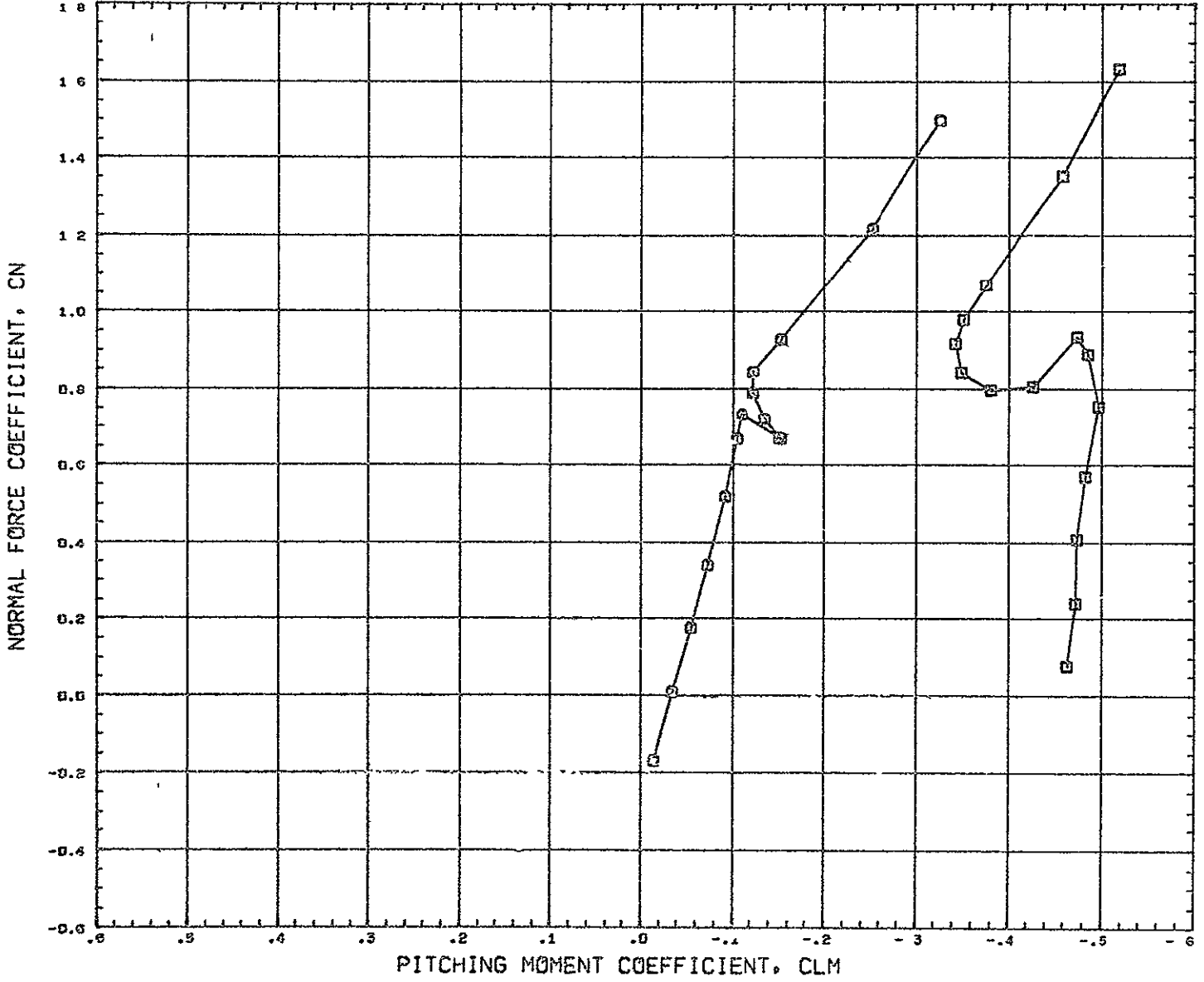


SYMBOL ELEVTR PARAMETRIC VALUES
 O - 10.000 MACH 0.250 BETA 0.000
 □ 10.000 HOR 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRP 9 8400 INCHES
 YNRP 0 0000 INCHES
 ZNRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

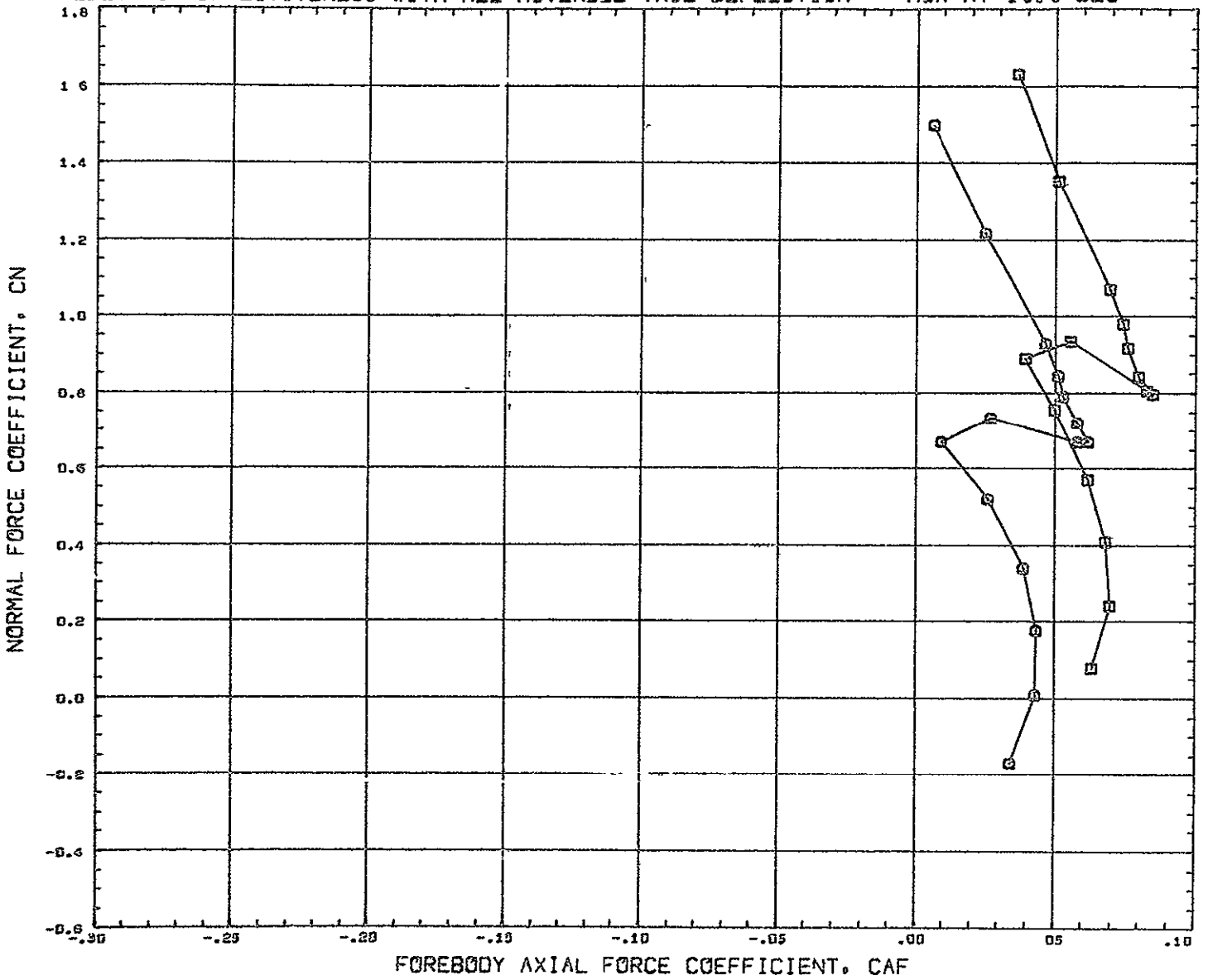


SYMBOL ELEVTR PAPANETRIC VALUES
 □ - 10.000 MACH 0.252 BETA 0.000
 □ 10.000 HOR 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

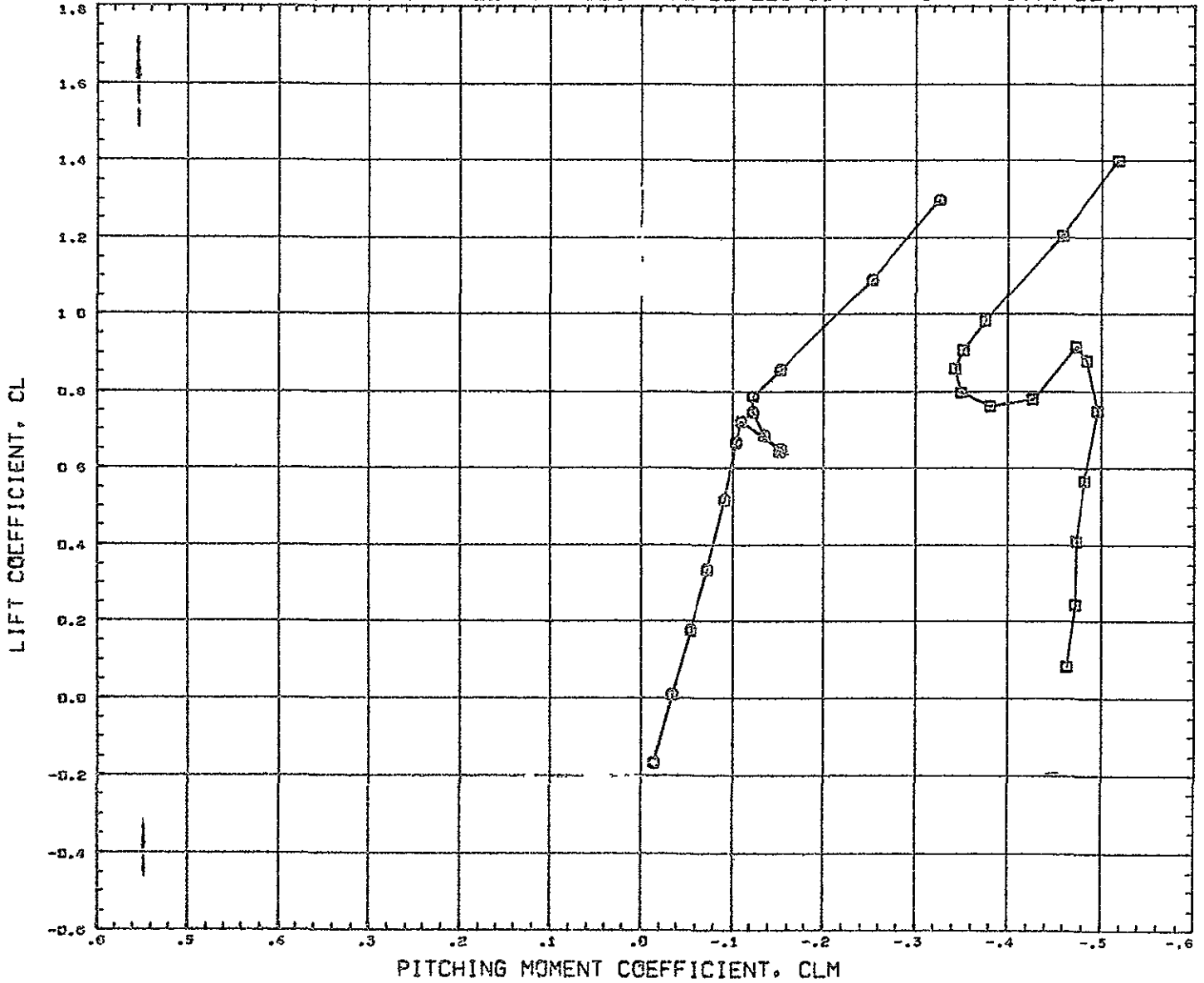


SYMBOL ELEVTR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 0.000
 □ 10.000 HOR 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRF 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

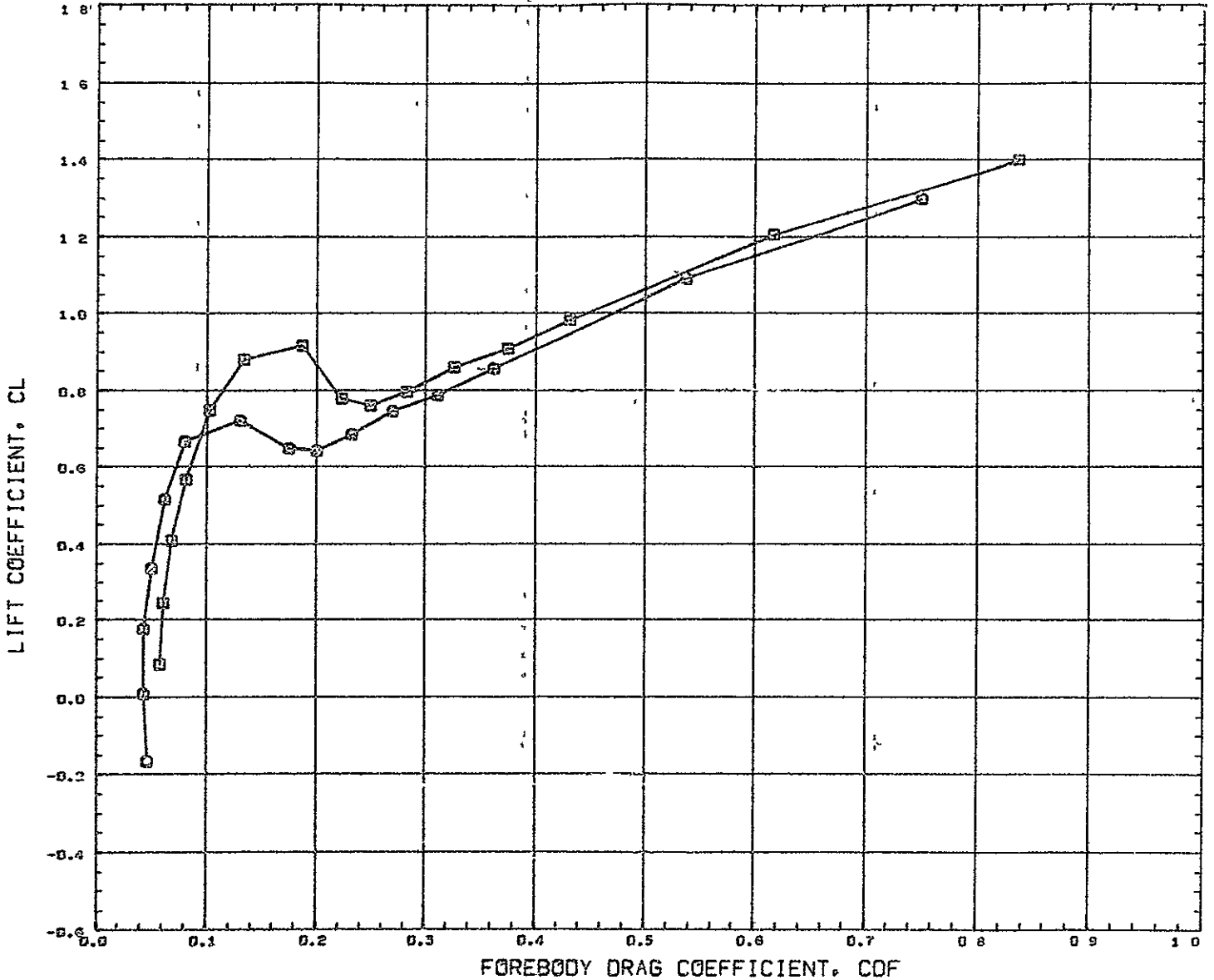


SYMBOL ELEVTP PARAMETRIC VALUES
 O - 10.000 HACH 0.259 BETA 0.000
 □ 10.000 HCF 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT 10.0 DEG

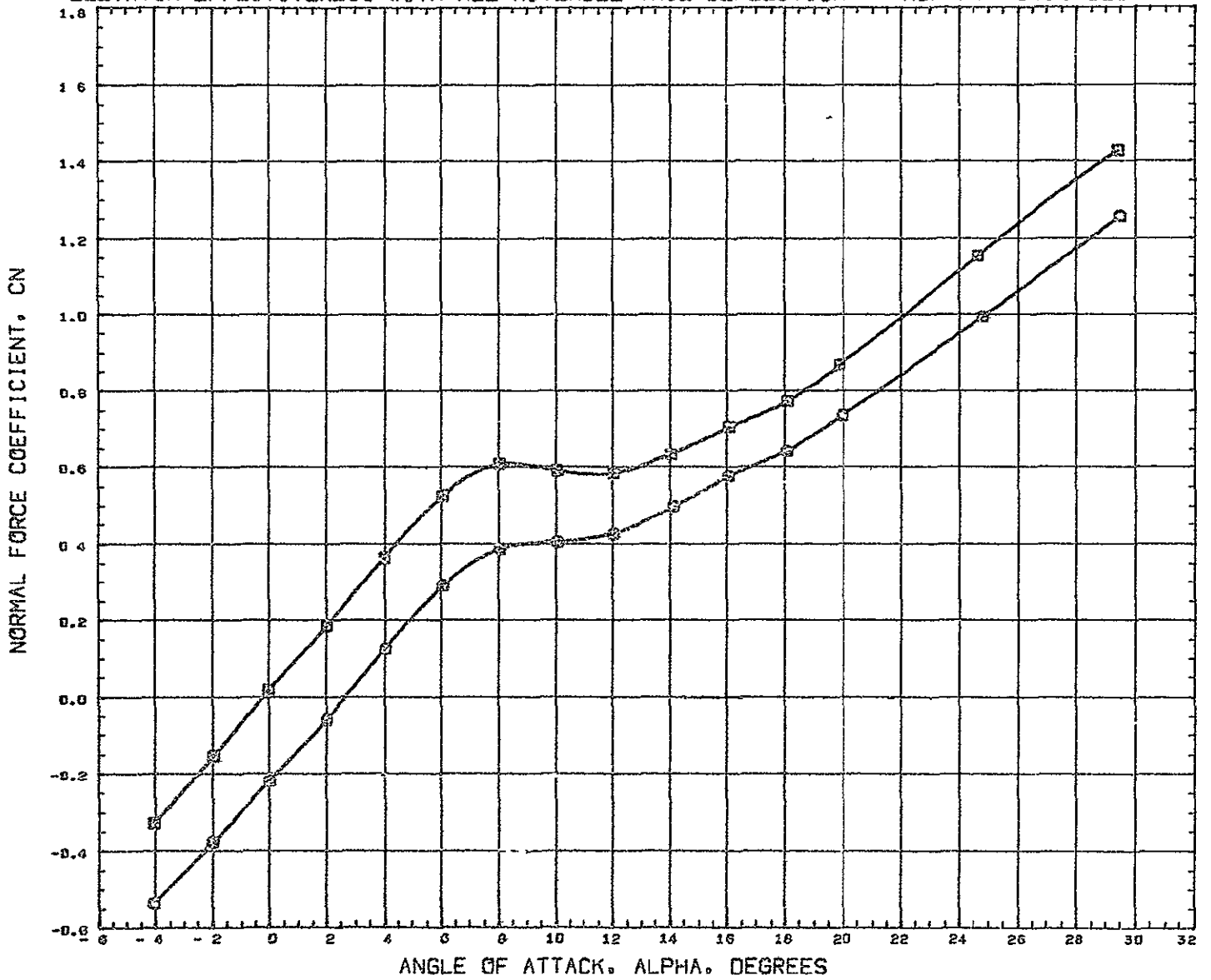


SYMBOL	ELEVTR	PARAMETRIC VALUES
○	10.000	HACH 0.259 BETA 0.000
□	16.000	HOP 10.000

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3590	INCHES
XMRP	9.8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

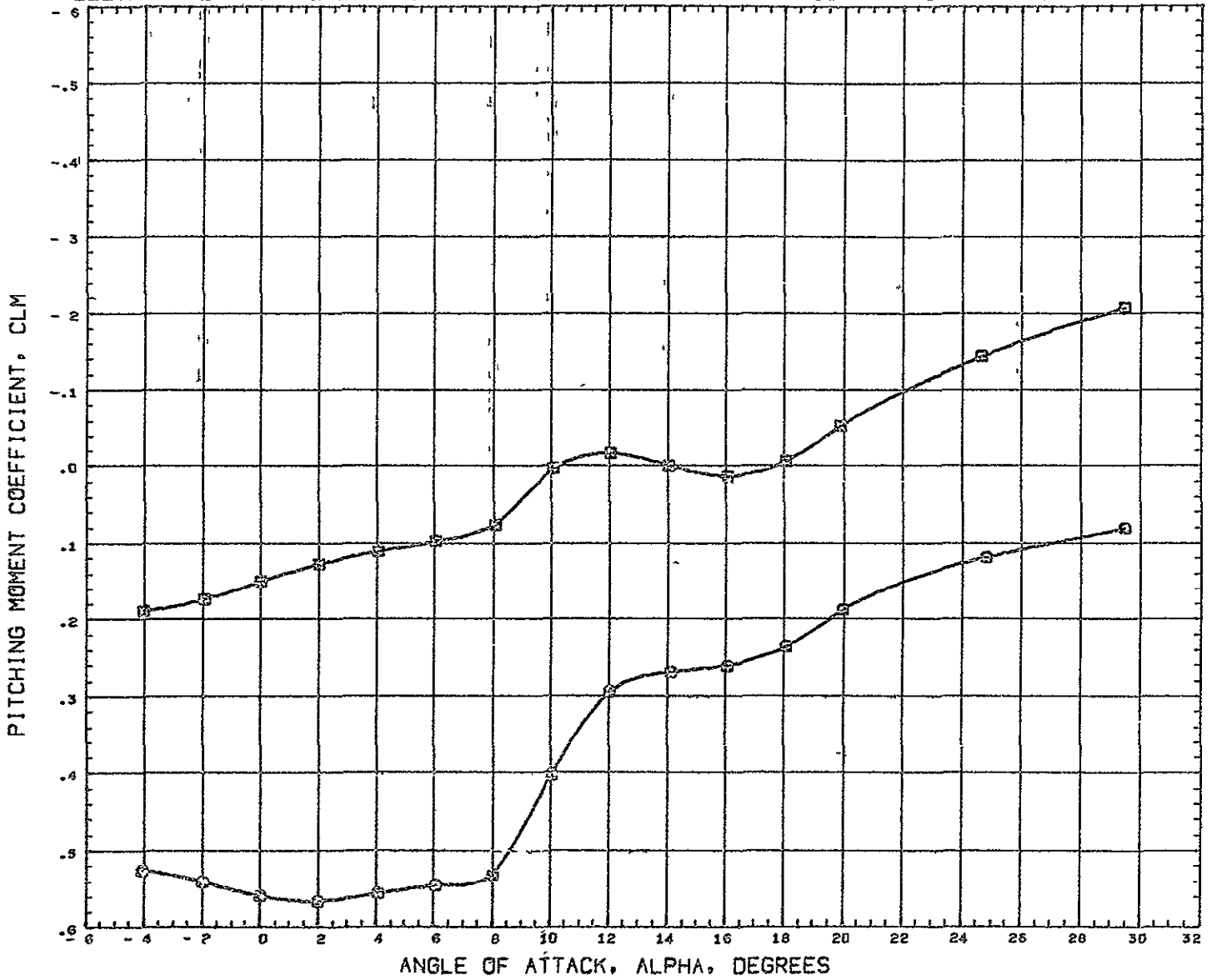


SYMBOL ELEVTR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.250 BETA 0.000
 □ 10.000 HOR - 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG



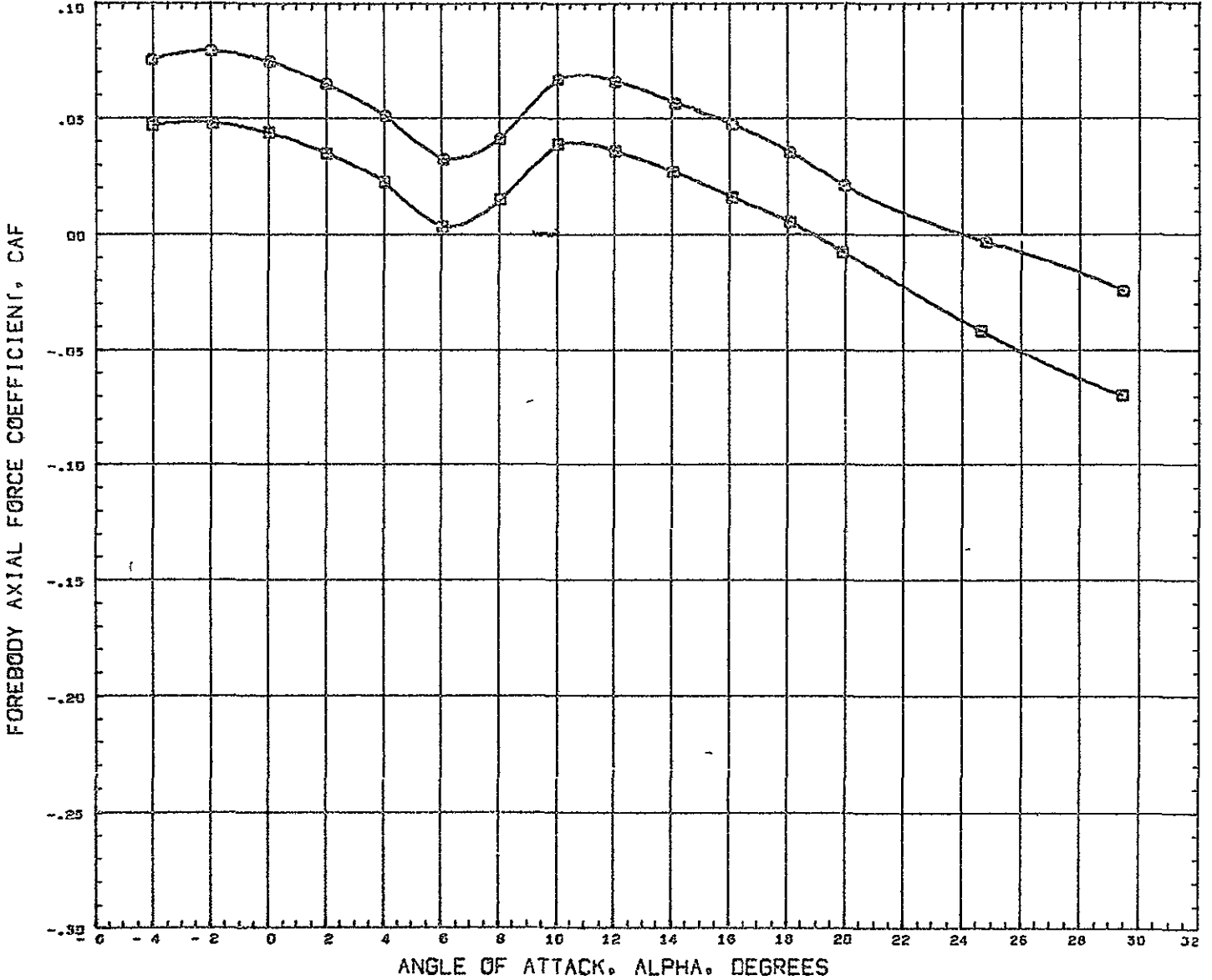
SYMBOL	ELEVTR	PARAMETRIC VALUES
○	10.000	hACd 0.252 BETA 0.000
□	16.000	HCR -10.000

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRP	9 8400	INCHES
YNRP	0 0000	INCHES
ZNRP	0 3810	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73



ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

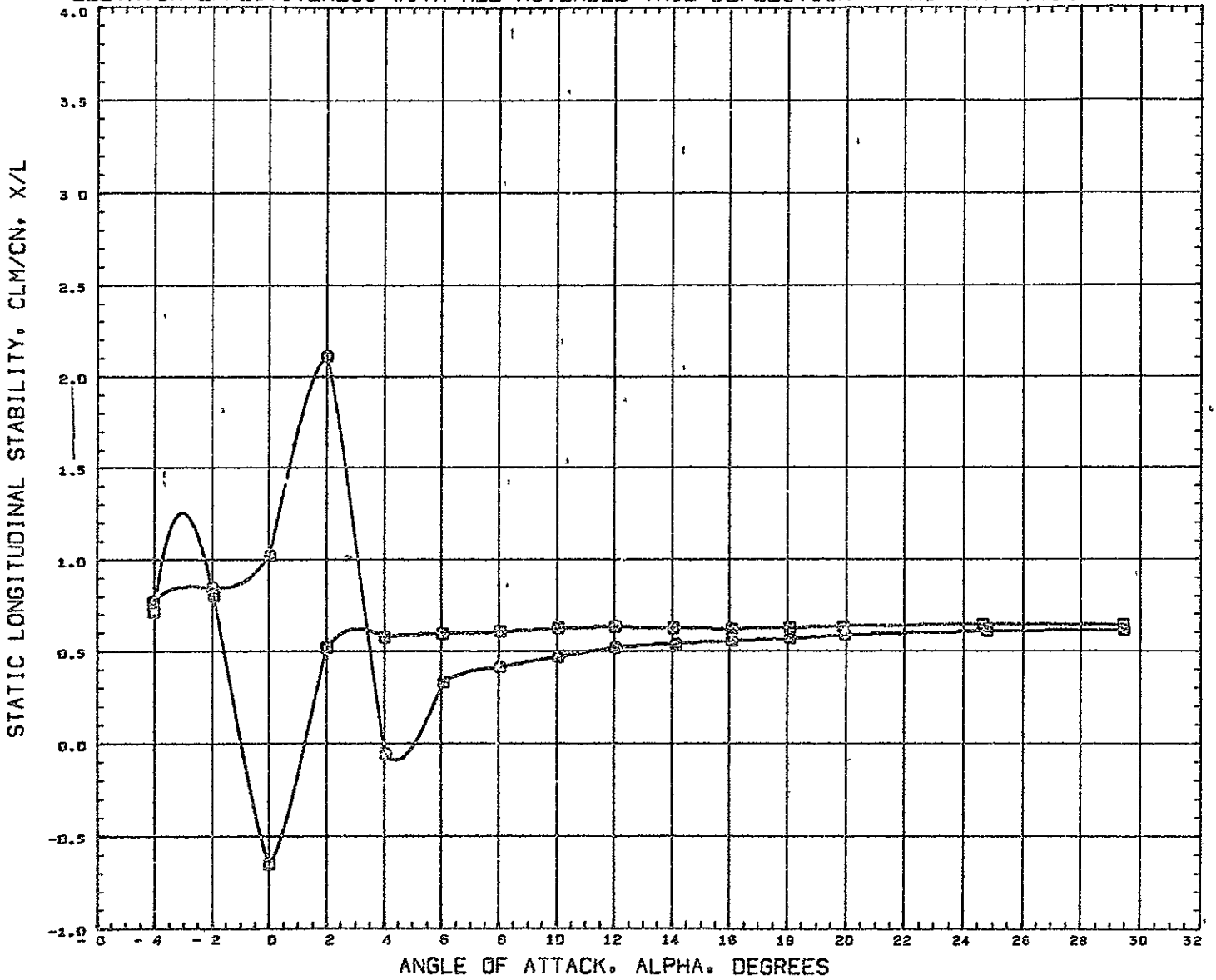


SYMBOL ELEVTR PARAMETRIC VALUES
 O - 10.000 MACH 0.259 BETA 0.000
 □ 10.000 MOP - 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRF 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

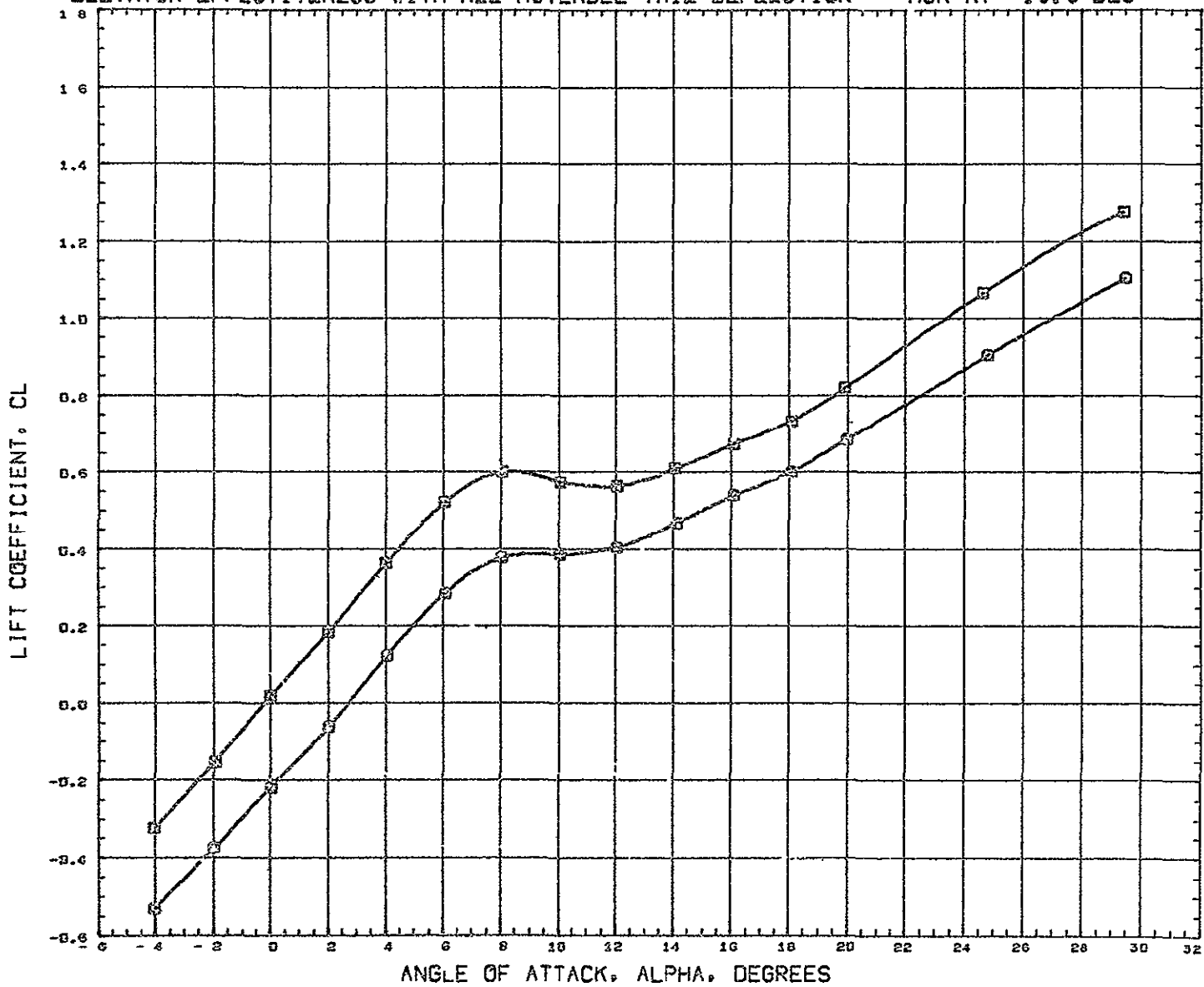


SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10.000	MACH	0.259	BETA	0.000
□	10.000	HOR	- 10.000		

REFERENCE INFORMATION		
REFS	0.1790	SQ. FT.
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XHRF	9.8400	INCHES
YHRF	0.0000	INCHES
ZHRF	0.3840	INCHES
SCALE	0.0076	SCALE

REFERENCE FILE NAAL 632 NA-7D-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

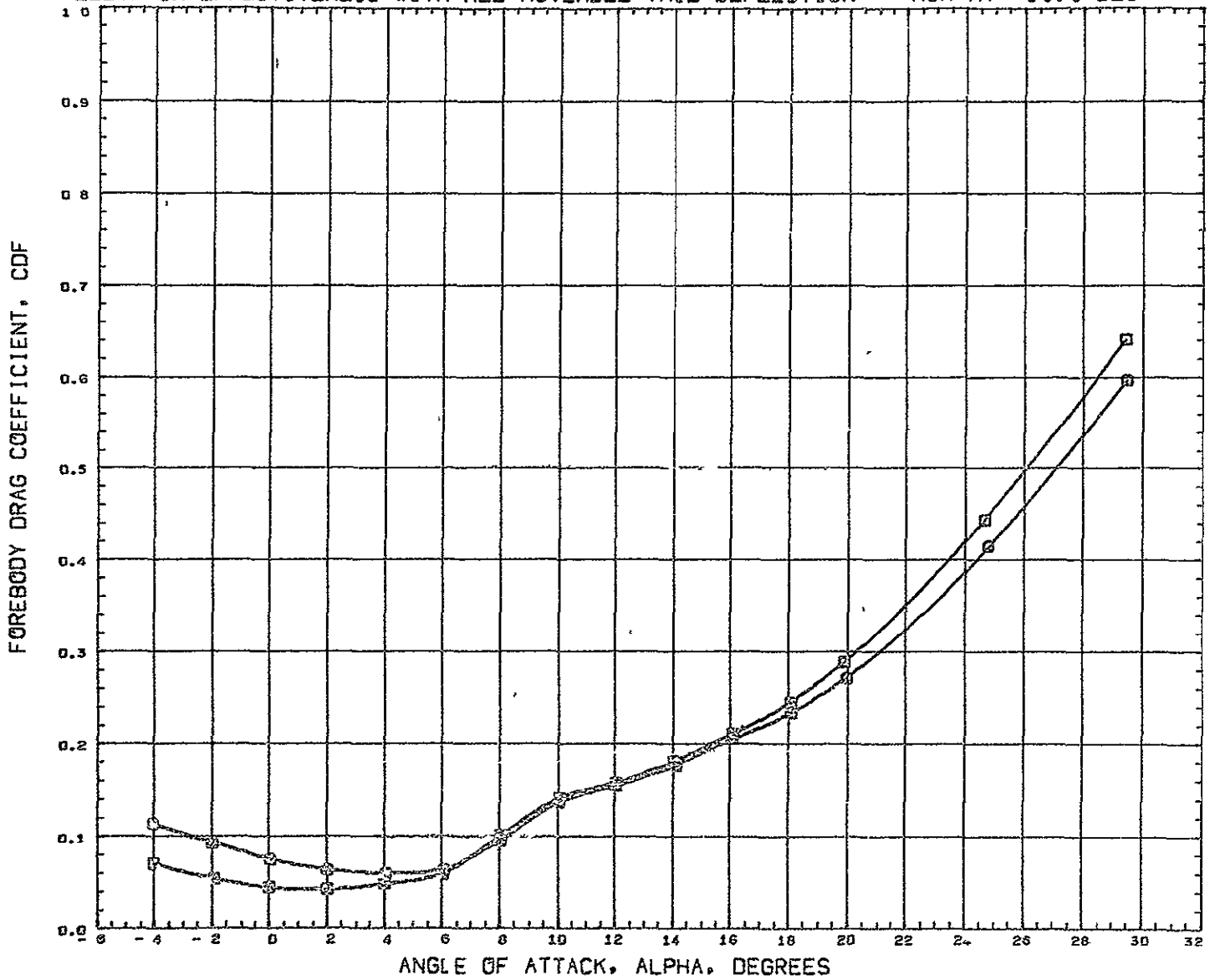


SYMBOL ELEVTP PARAMETRIC VALUES
 □ - 10.000 MACH 0.259 BETA 0.000
 □ 10.000 HOR - 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15.7370 INCHES
 REFB 11 3390 INCHES
 XMRF 9 8400 INCHES
 YMFP 0 0000 INCHES
 ZMPP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

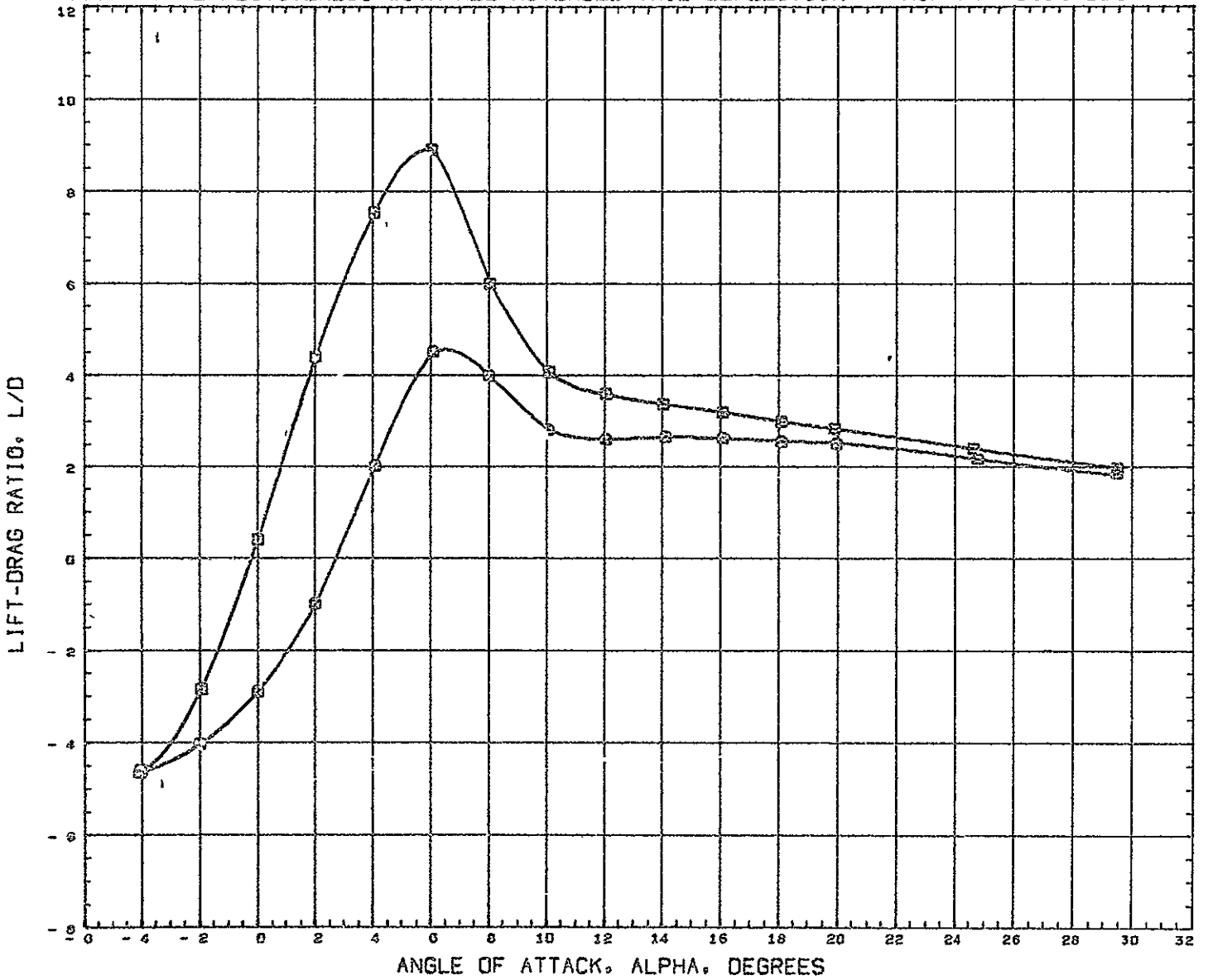


SYMBOL	ELE-TR	PARAMETRIC VALUES	
○	- 10.000	MACH	0 259 BETA 0 000
□	10.000	HOR	- 10 000

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
PEFB	11 3390	INCHES
XHRF	9 6400	INCHES
YHRF	0.0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG



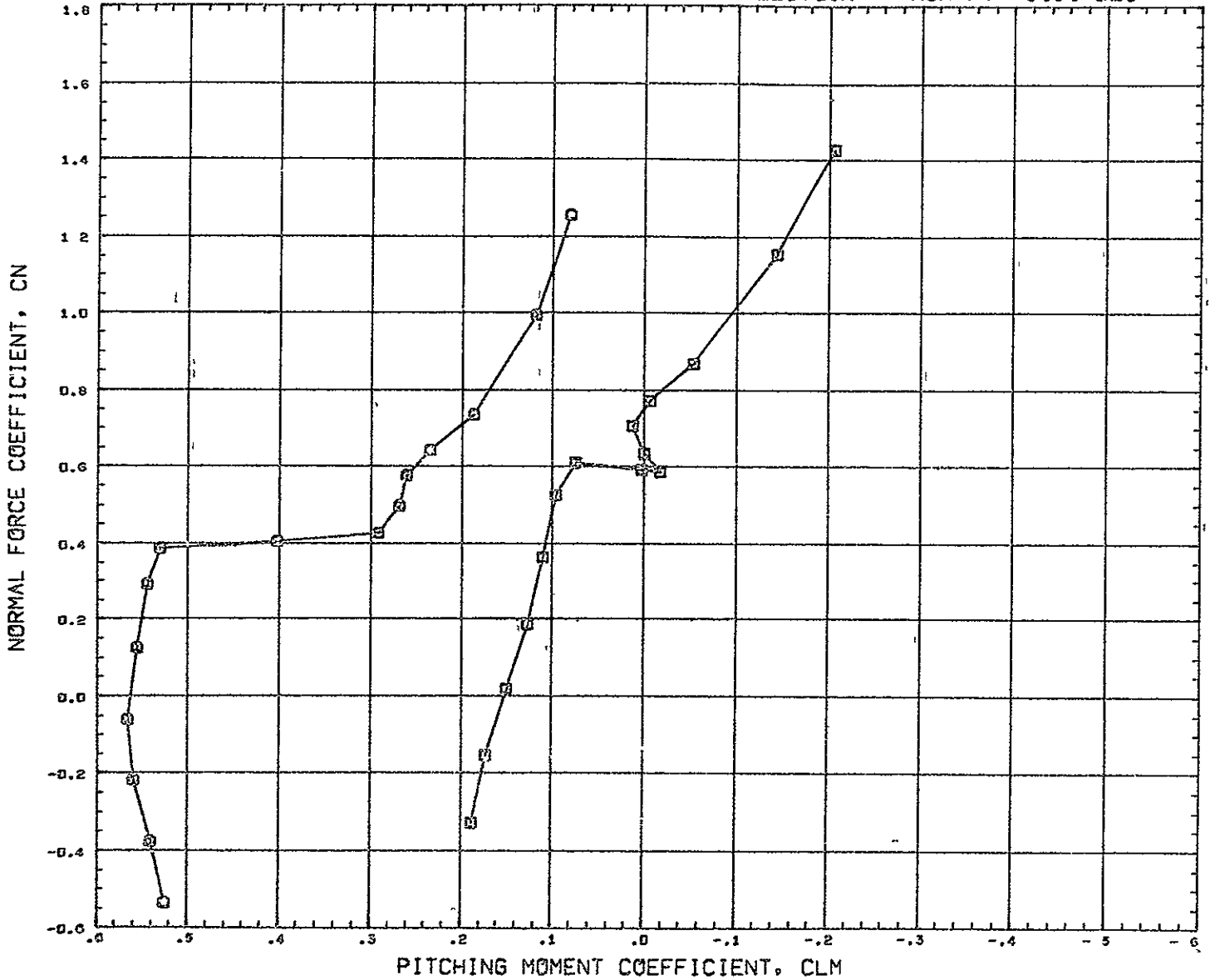
SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10.000	MACH	0.259	BETA	0.000
□	10.000	HOR	- 10.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
RE TB	11 3390	INCHES
XHRP	9 8400	INCHES
YNPP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

102

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG

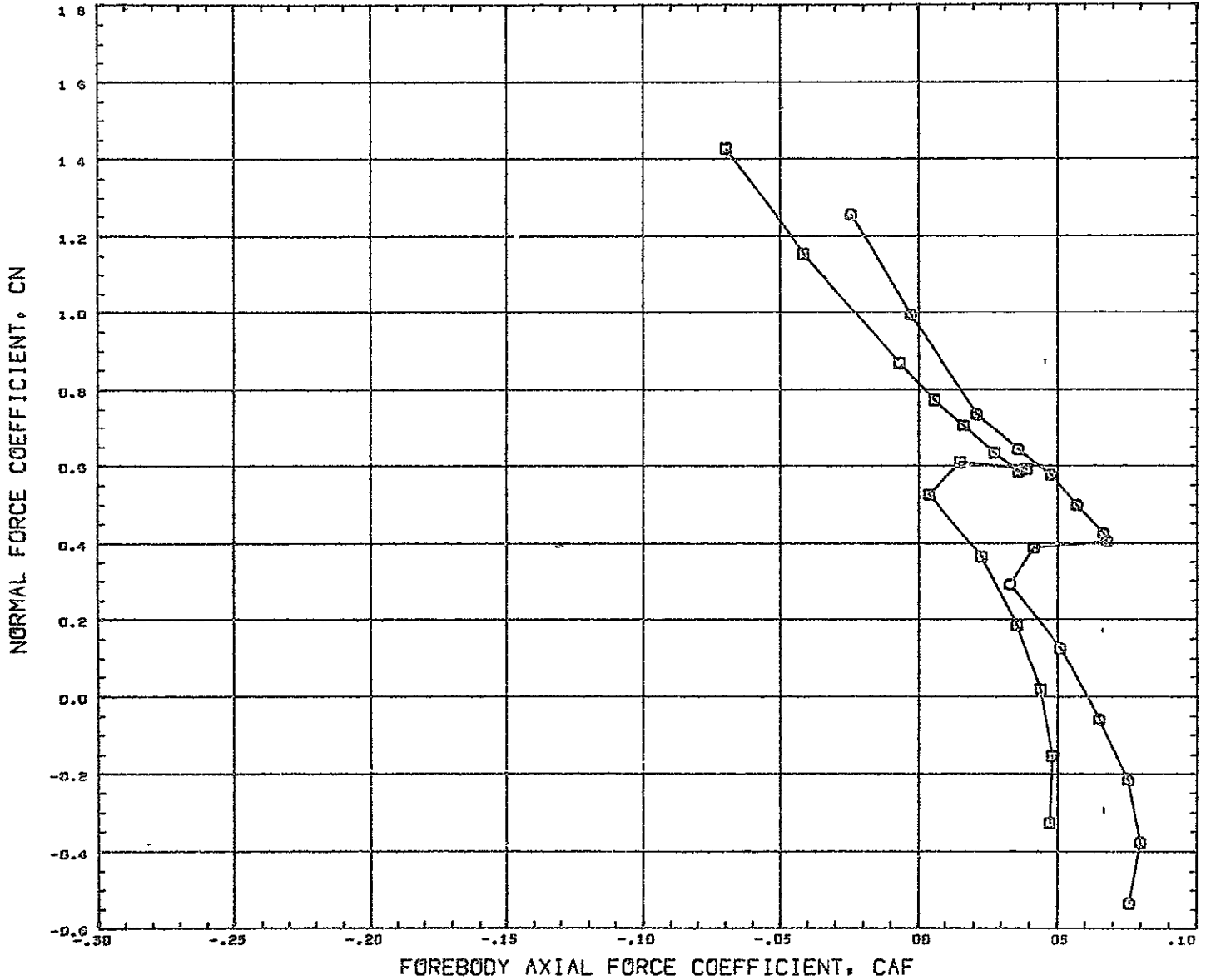


SYMBOL ELEVTR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 0.000
 □ 10.000 HOR - 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE PAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG



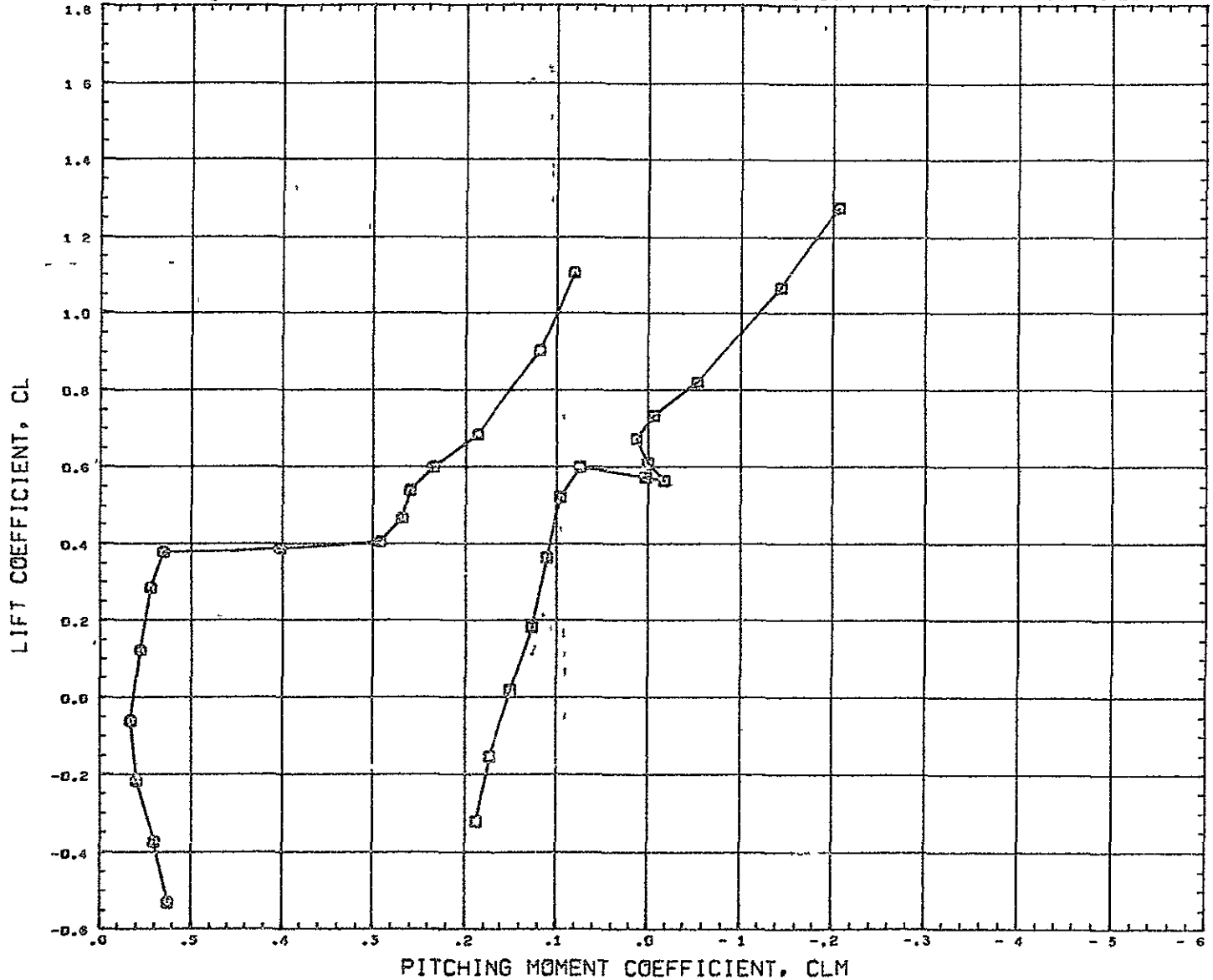
SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10.000	HACH	0.259	BEYA	0 600
□	10.000	HOR	- 10.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE MAAL 632 NA-70-73

⊕ L

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG



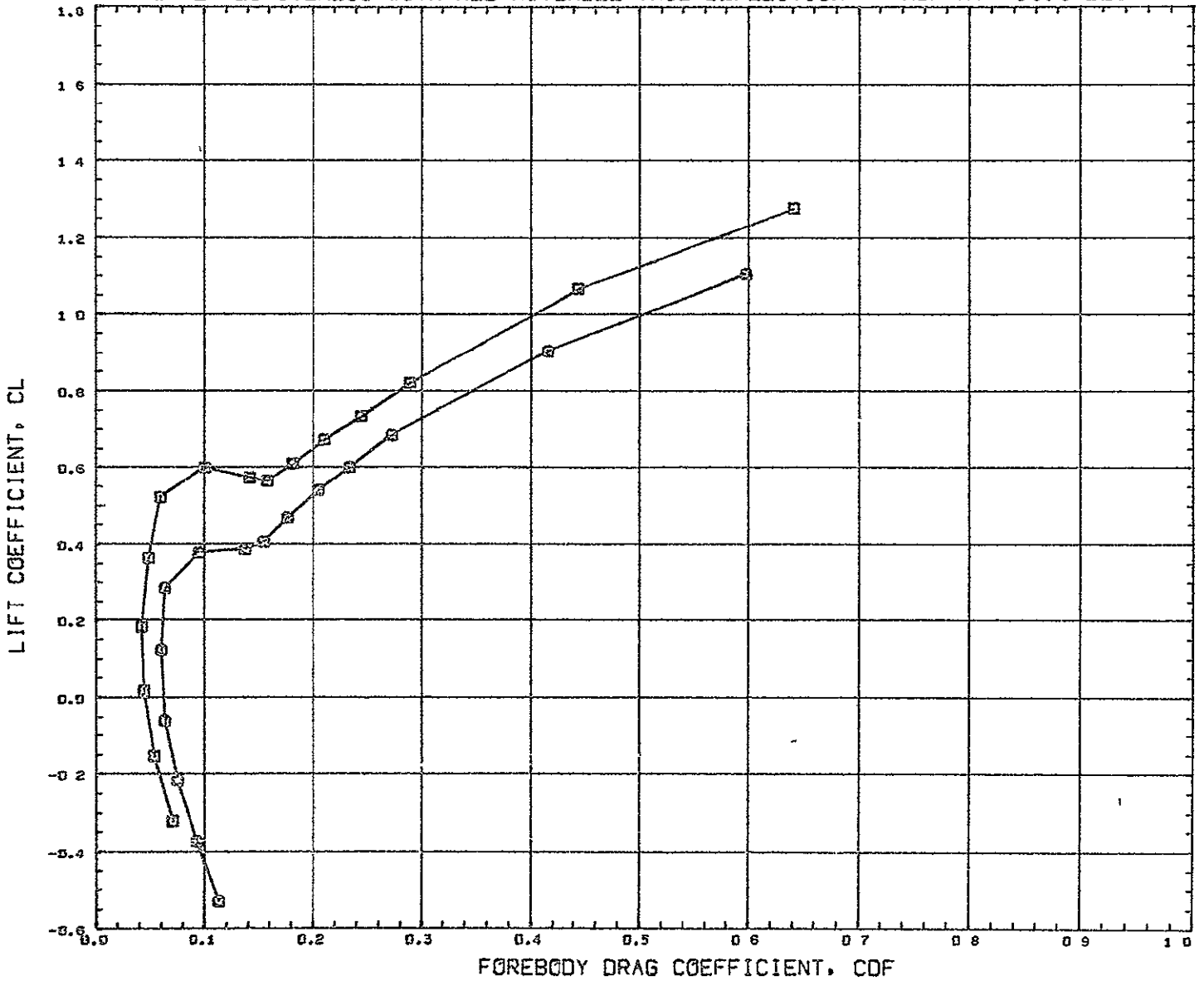
SYMBOL ELEVTR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 0.000
 □ 10.000 HOR - 10.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 HA-70-73

4875

ELEVATOR EFFECTIVENESS WITH ALL MOVEABLE TAIL DEFLECTION HOR AT -10.0 DEG



SYMBOL ELEVTR PARAMETRIC VALUES
 ○ - 10.000 HACH 0.259 BETA 0.000
 □ 10.000 HOR - 10.000

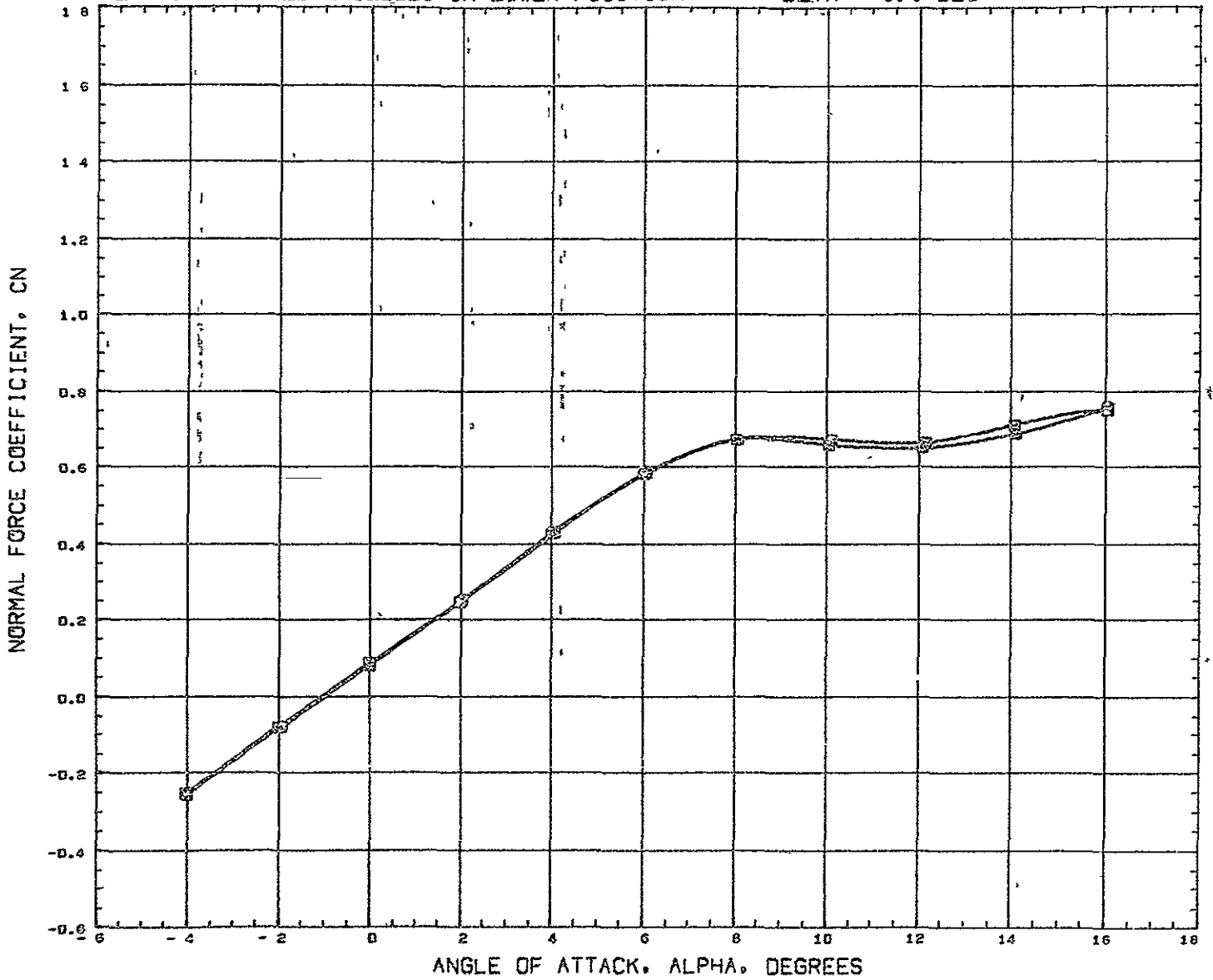
REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 PEFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73



EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



DATA SET SY (BOL) CONFIGURATION DESCRIPTION PARAMETRIC VALUES

(RCG102) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5 BETA 0 000

(RCG026) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5

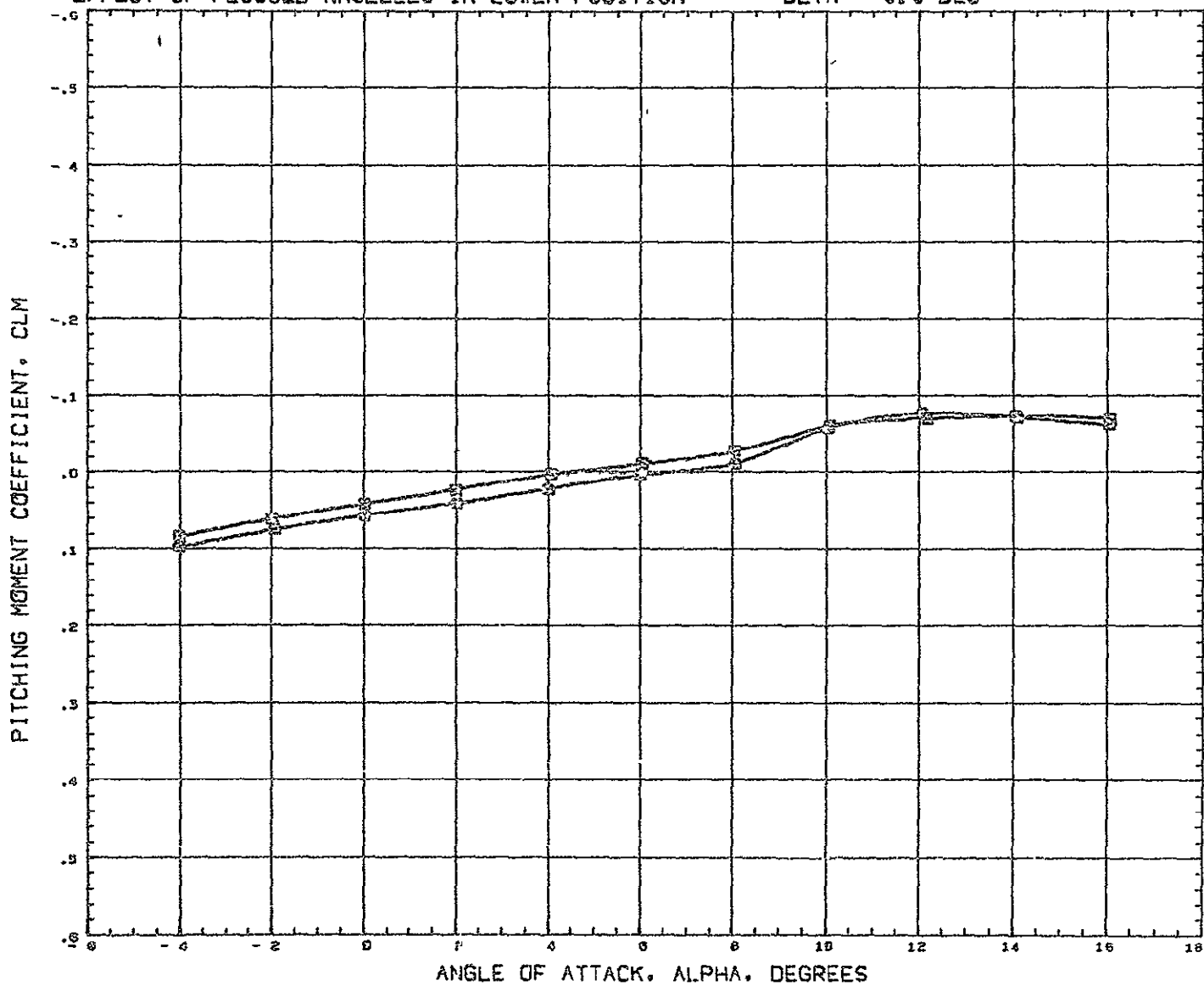
REFERENCE INFORMATION

REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRF 9 8400 INCHES
 YHRF 0 0000 INCHES
 ZHRF 0 3840 INCHES
 SCALE 1 0 0076 SCALE

HACH 0 259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG

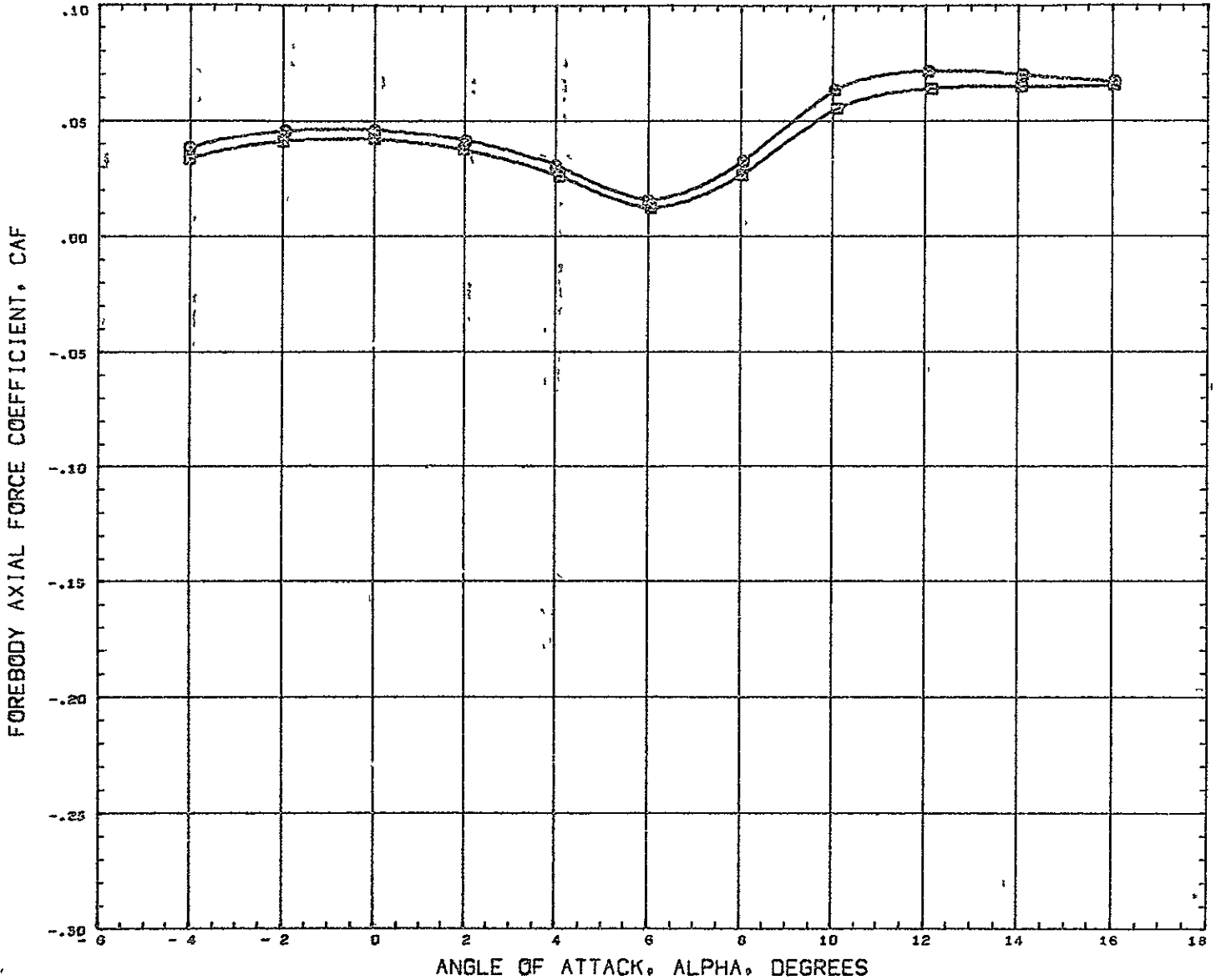


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG102)	MAAL 632 SSV-STR WING FORCE-NAC B6 M6 WIG H12 V5	BETA 0 000	REFS 0 1790 SQ FT
(RCG026)	MAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZNRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



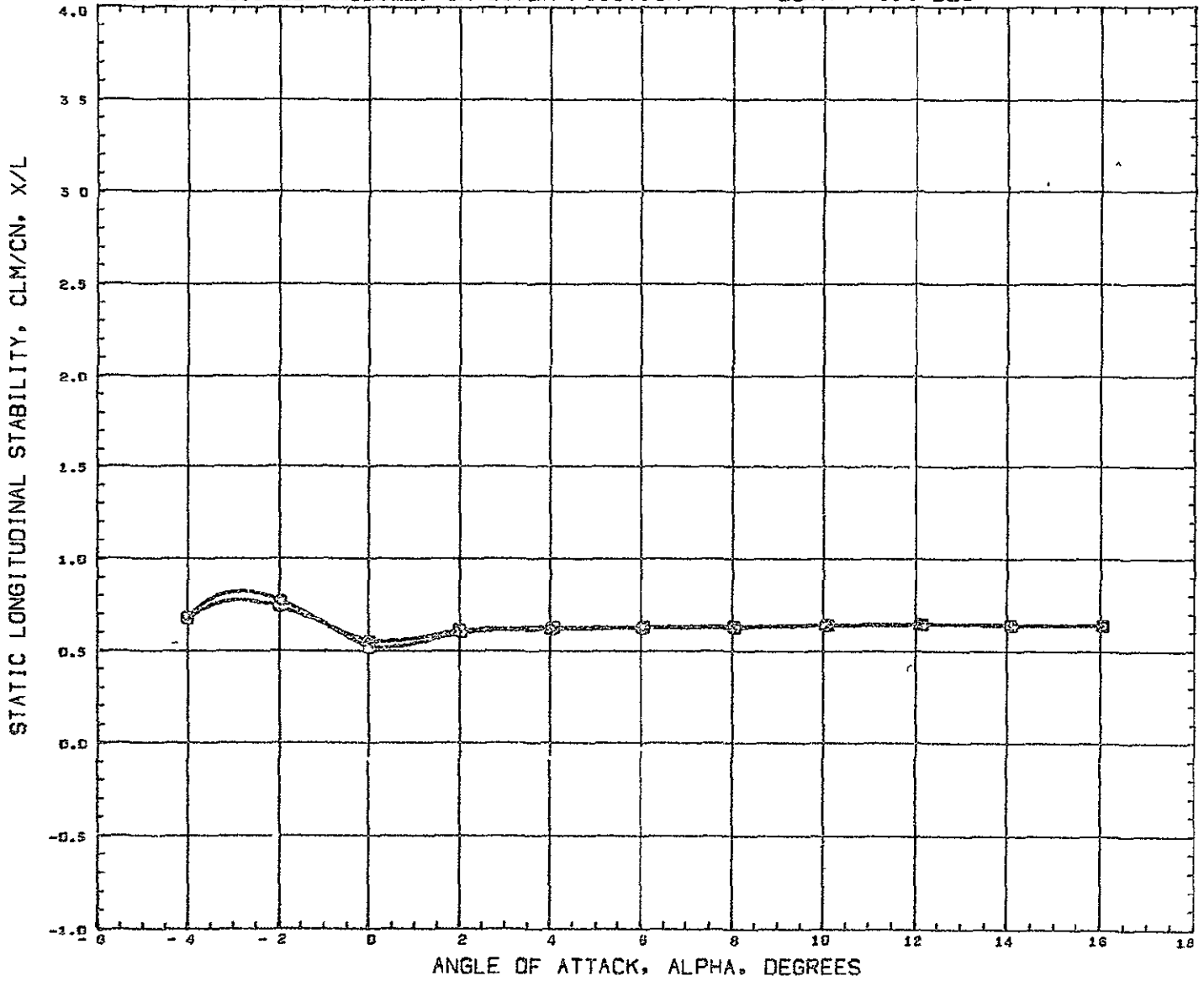
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG102)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 NC W10 H12 V5	BETA 0 000
(RCG025)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ.FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9.6400	INCHES
YMRP	0 0000	INCHES
ZMPP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.239

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



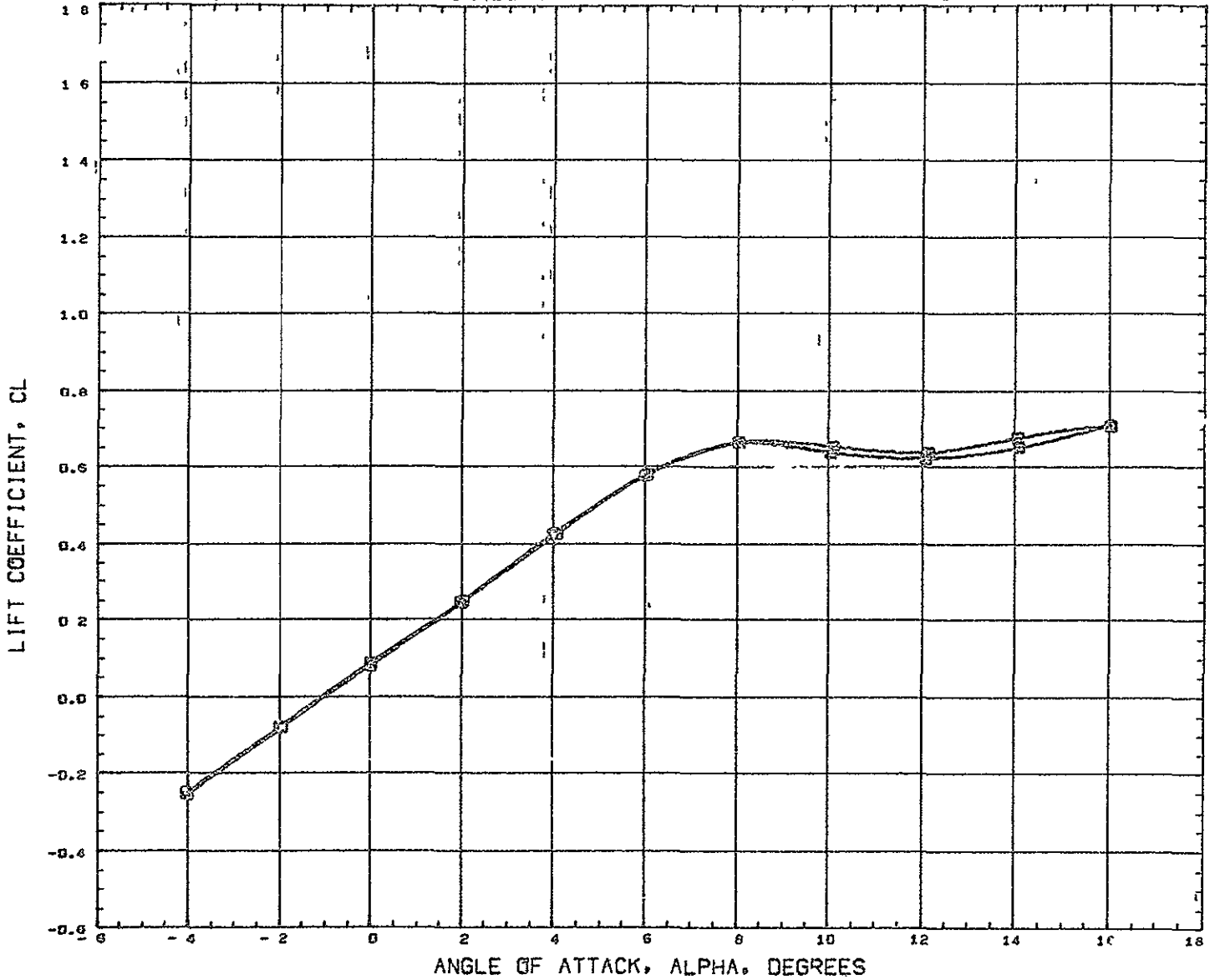
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG102)	□ NAAL 632 SSV-STR WING FORCE-NAC 86 N6 W10 H12 V5	BETA 0 000
(RCG028)	□ NAAL 632 SSV-STR WING FORCE-NAC 86 N W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REPL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0 259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RC6102) □ NAAL 032 SSV-STR WING FORCE-NAC 86 H6 W10 H12 V5 BETA 0.000

(RC6026) □ NAAL 032 SSV-STR WING FORCE-NAC 86 N W10 H12 V5

PARAMETRIC VALUES

REFERENCE INFORMATION

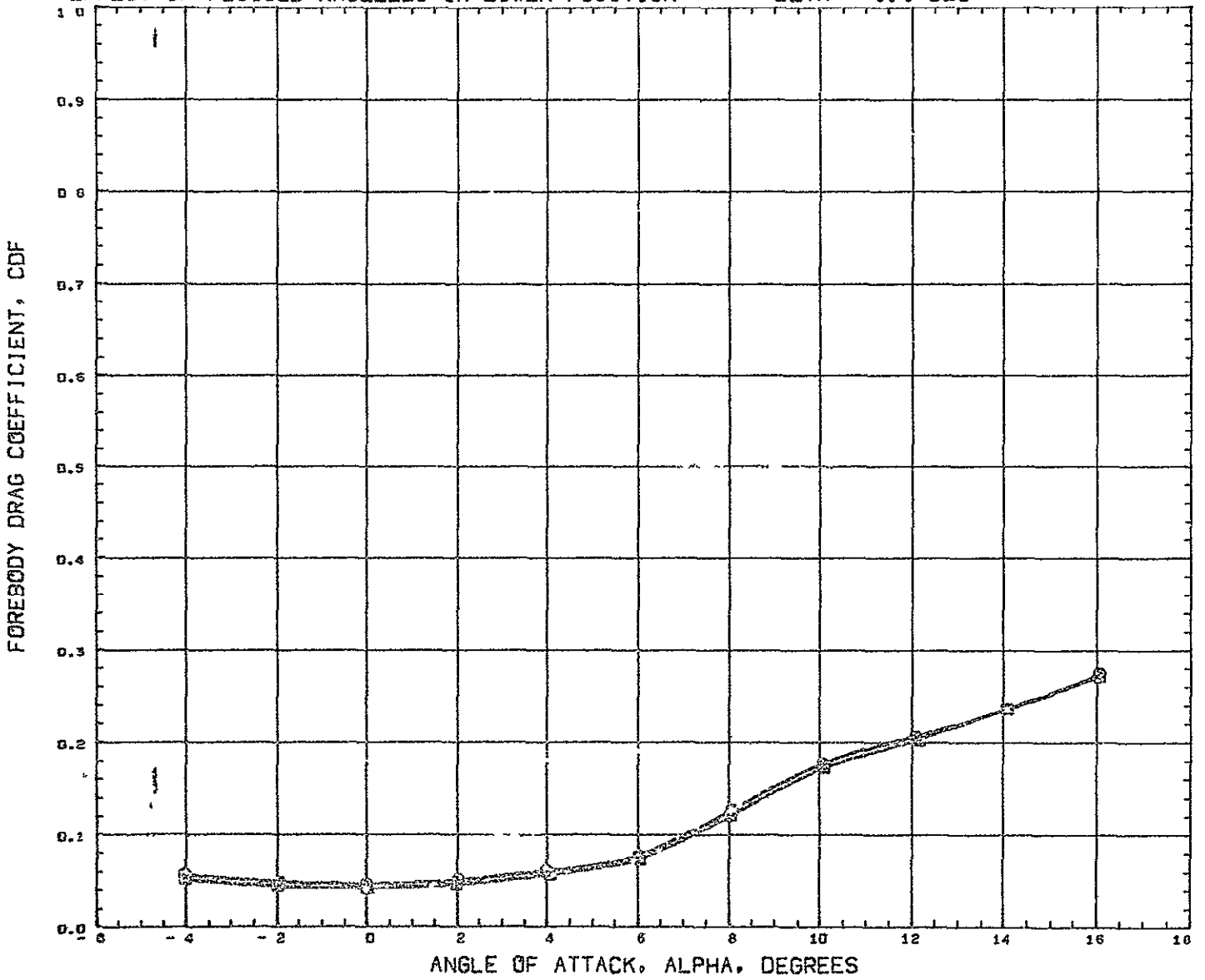
REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHPP 0 0000 INCHES
 ZHPP - 0 3840 INCHES
 SCALE 0 0076 SCALE

NACH 0 259

258

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION PARAMETRIC VALUES

(RC6102) ○ NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5 BETA 0.000

(RC6026) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5

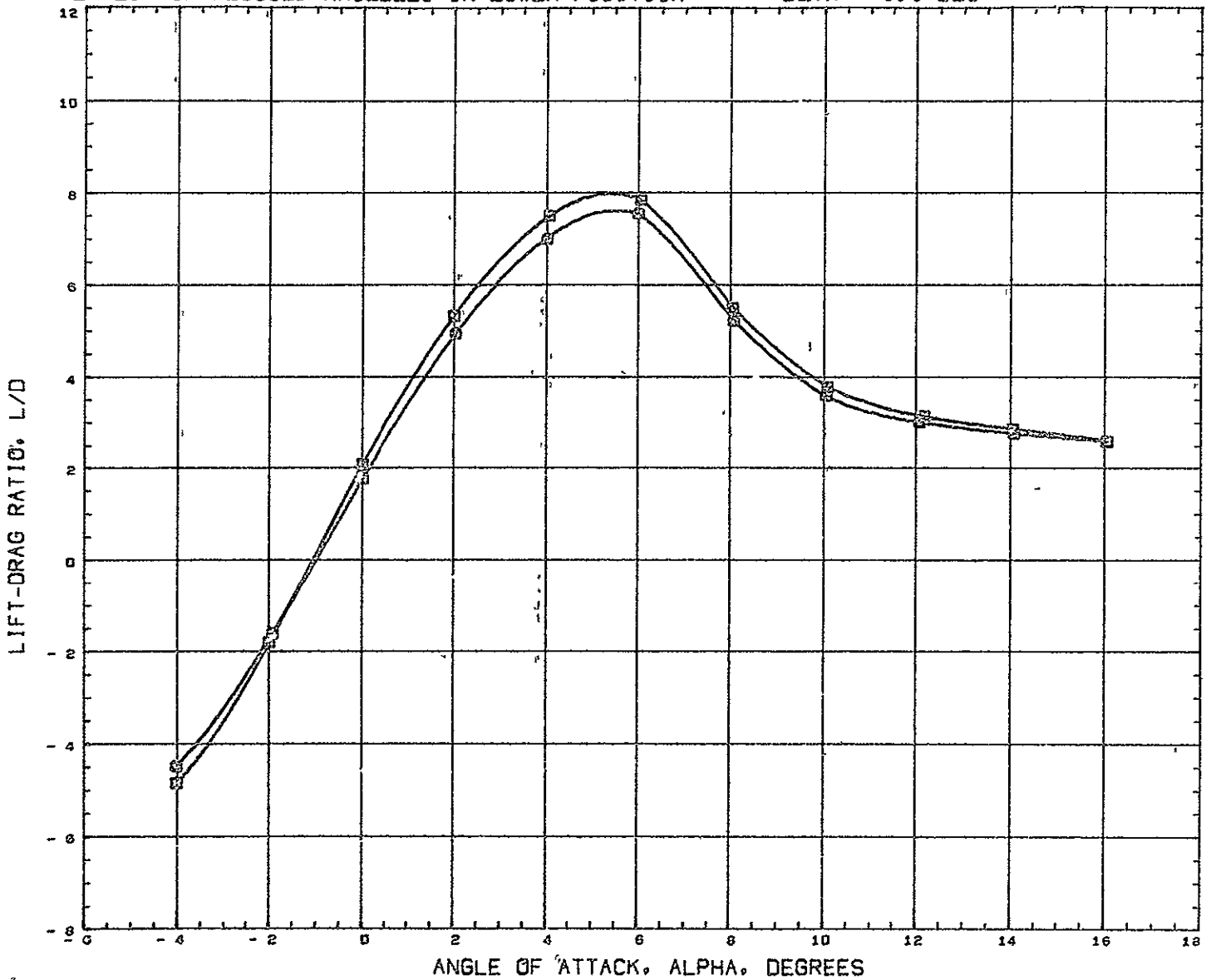
REFERENCE INFORMATION

REFS	0	1790	SQ FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YMRP	0	0000	INCHES
ZHRF	0	3840	INCHES
SCALE	0	0076	SCALE

MACH 0 259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



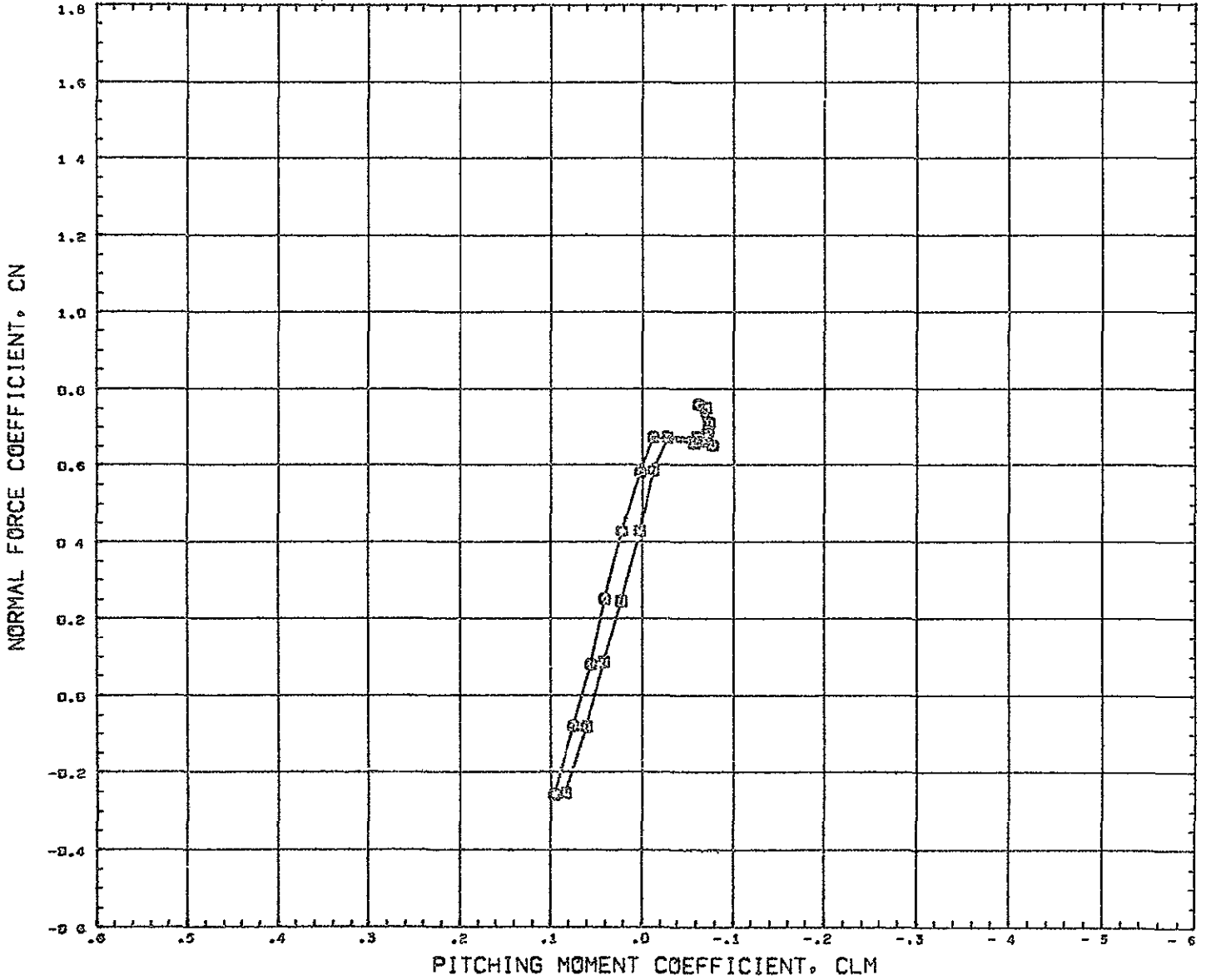
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC0102)	□ NAAL 032 SSV-STR WING FORCE-NAC 06 N6 WLD H12 V5	BETA 0 000
(RC020)	○ NAAL 032 SSV-STR WING FORCE-NAC 06 N WLD H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

NACH 0 259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RCG1D2) □ NAAL 632 SSV-STR WING FORCE-HAC B6 N6 W10 H12 V5 BETA

(RCG026) □ NAAL 632 SSV-STR WING FORCE-HAC B6 N 1/10 H12 V5

PARAMETRIC VALUES

0 000

REFERENCE INFORMATION

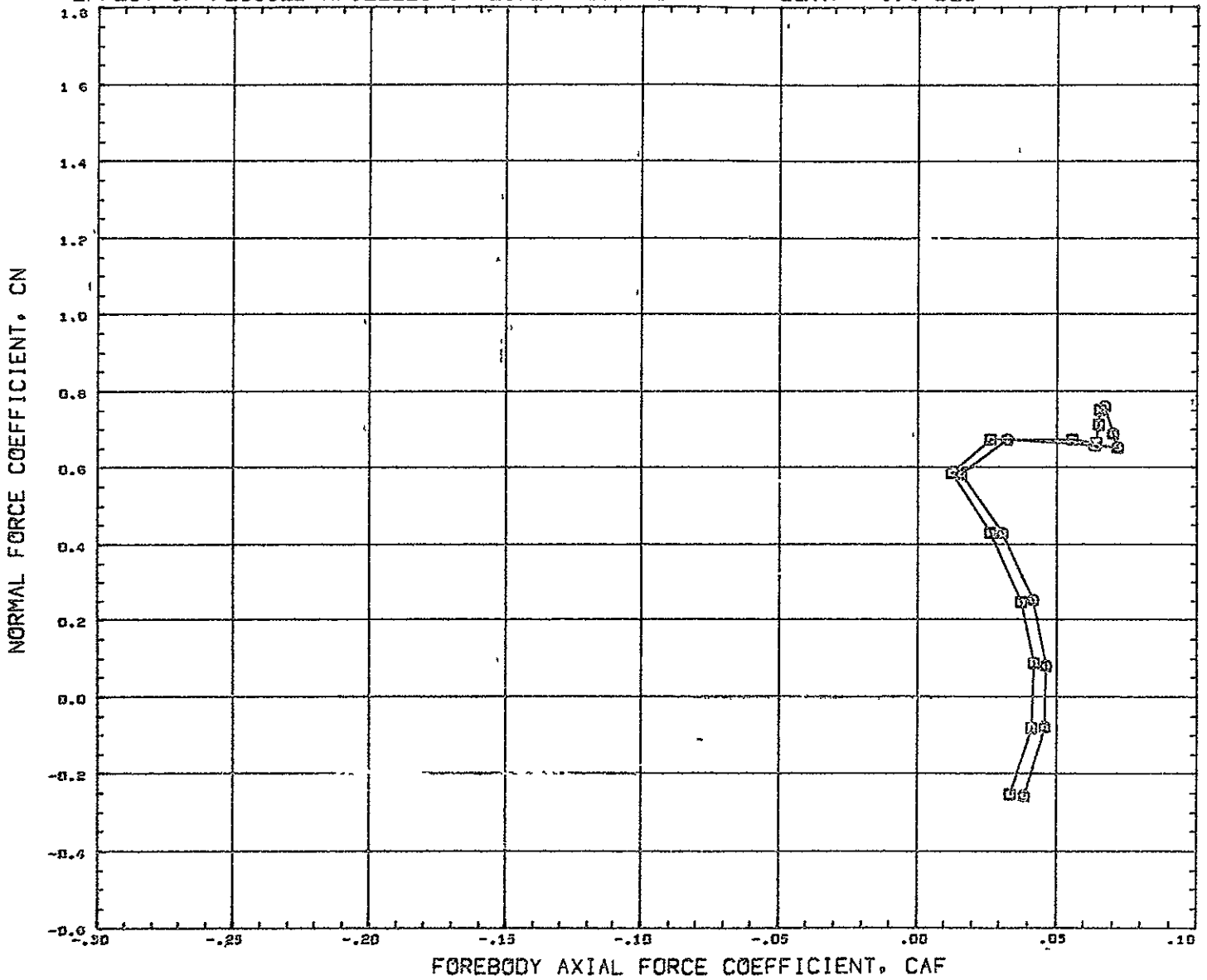
REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11,3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP - 0 3840 INCHES
 SCALE 0 0078 SCALE

HACH 0.239

1000

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG

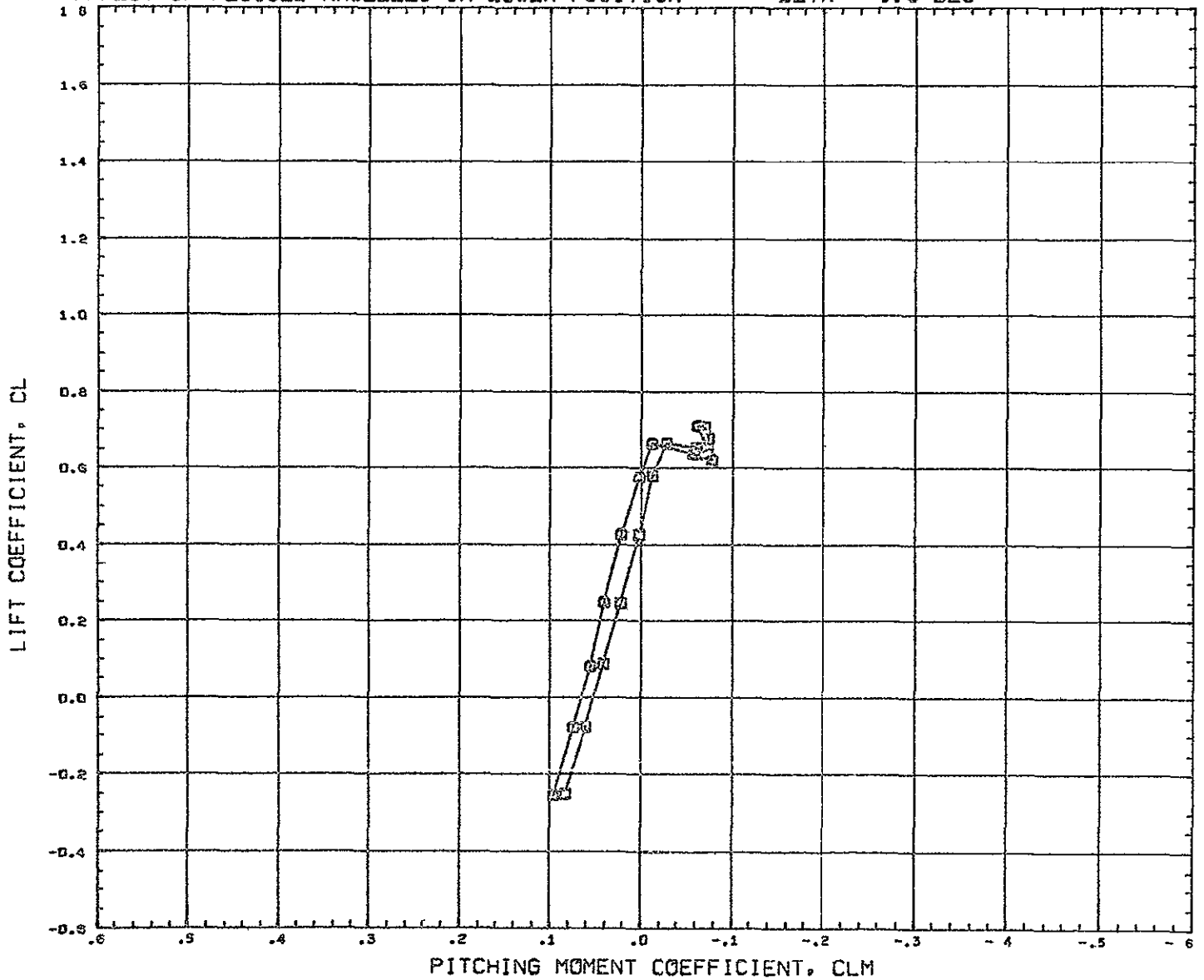


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6102)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 M6 W10 H12 V5	BETA 0 000	REFS 0 1790 SQ FT.
(RC6026)	□ NAAL 632 SSV-STR WING FORCE-NAC 56 H W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 299

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6102)	NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5	BETA 0 000
(RC6025)	NAAL 632 SSV-37° WING FORCE-NAC B6 N W10 H12 V5	

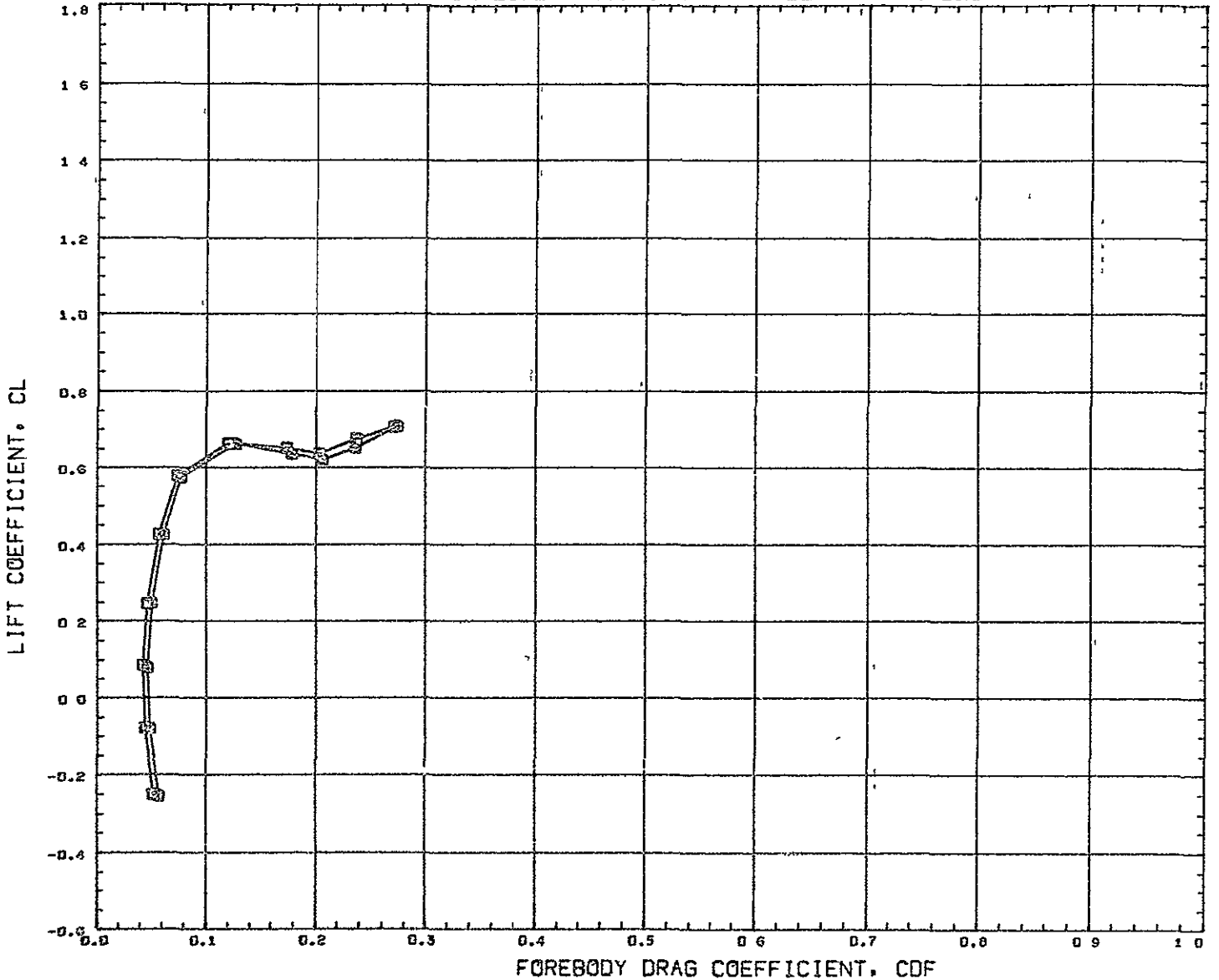
REFERENCE INFORMATION

REFS	0	1790	SQ FT
PEFL	15	7370	INCHES
REFB	11	3390	INCHES
YMRP	9	8400	INCHES
ZMRP	0	0000	INCHES
ZMRP	0	3840	INCHES
SCALE	0	0076	SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

BETA = 0.0 DEG



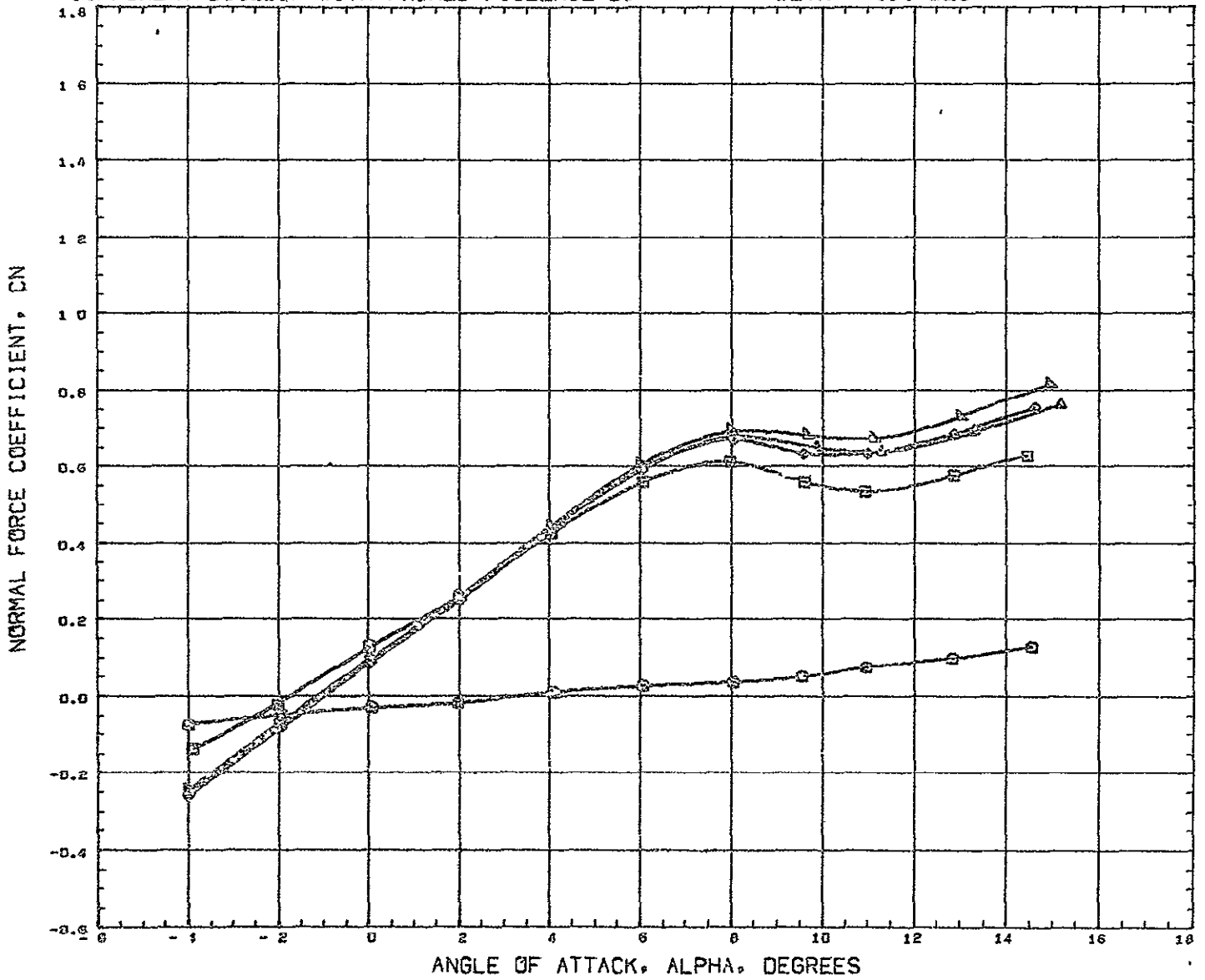
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6102)	HAAL 632 SSV-STR WING FORCE-MAC 86 N6 W10 H12 V3	BETA 0.000	REFS 0 1790 SQ FT
(RC6026)	HAAL 632 SSV-STR WING FORCE-NAC 86 N W10 H12 V5		REFL 15 7370 INCHES
			REFB 11 3398 INCHES
			XMRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

40223

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

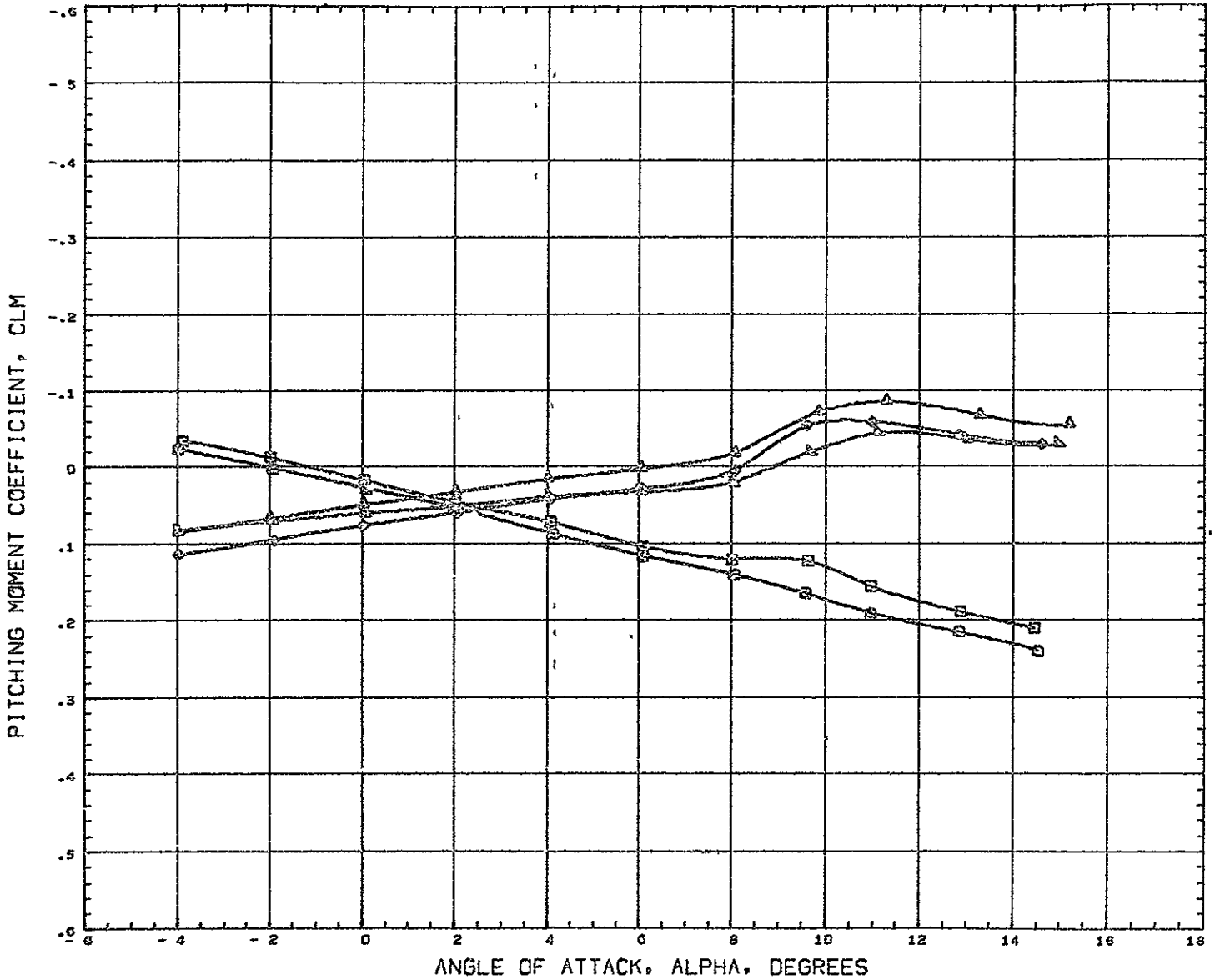


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG087)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 0.000	REFS 0 1790 SQ FT
(RCG082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG077)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG087)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V3		XHRF 9 8400 INCHES
(RCG072)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

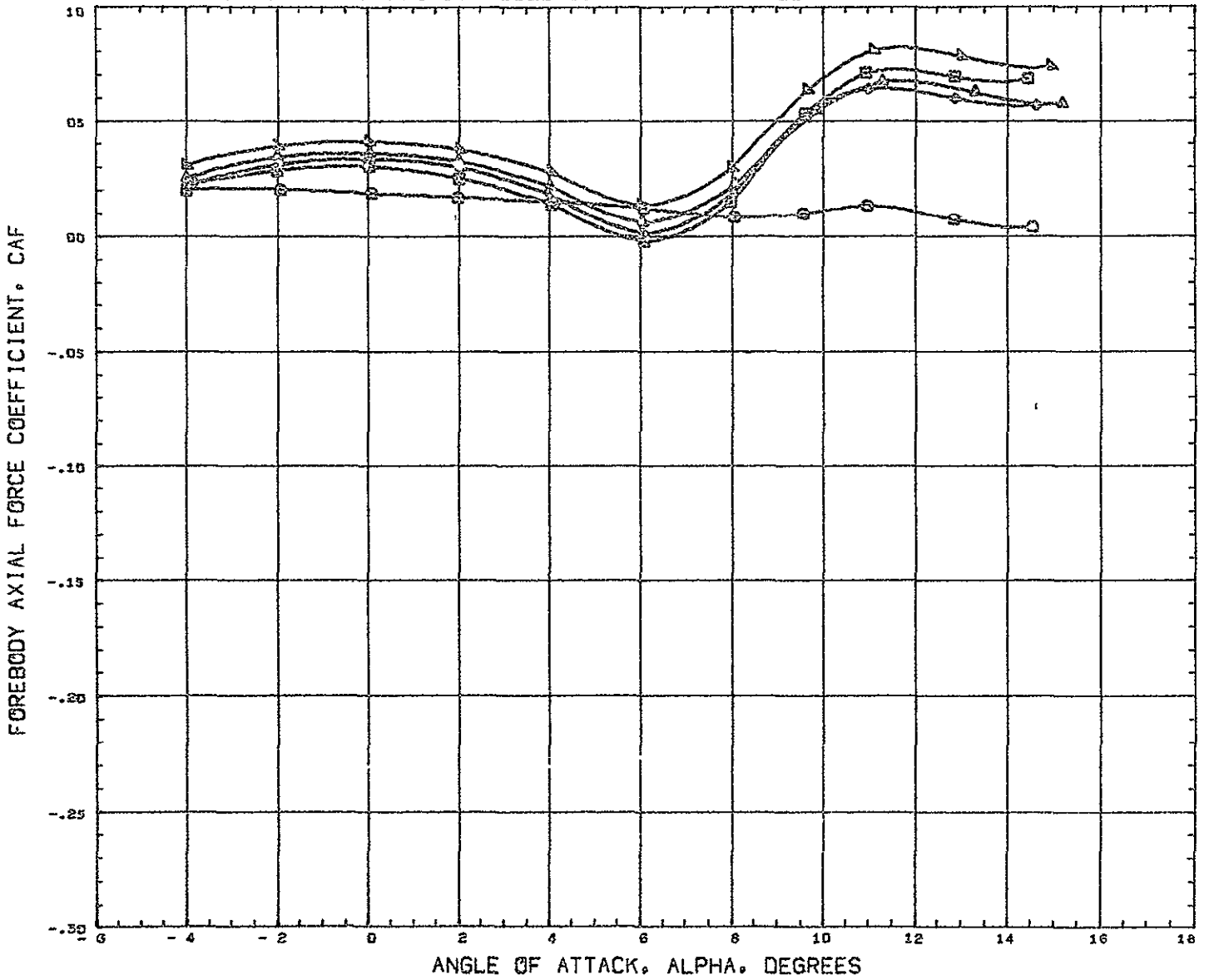


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6087)	NAAL 632 SSV-STR WING FORCE-NAC B9	SET 0 000	REFS 0 1790 SQ FT
(RC6082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6077)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6087)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XHRP 9 8400 INCHES
(RC6072)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZNRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

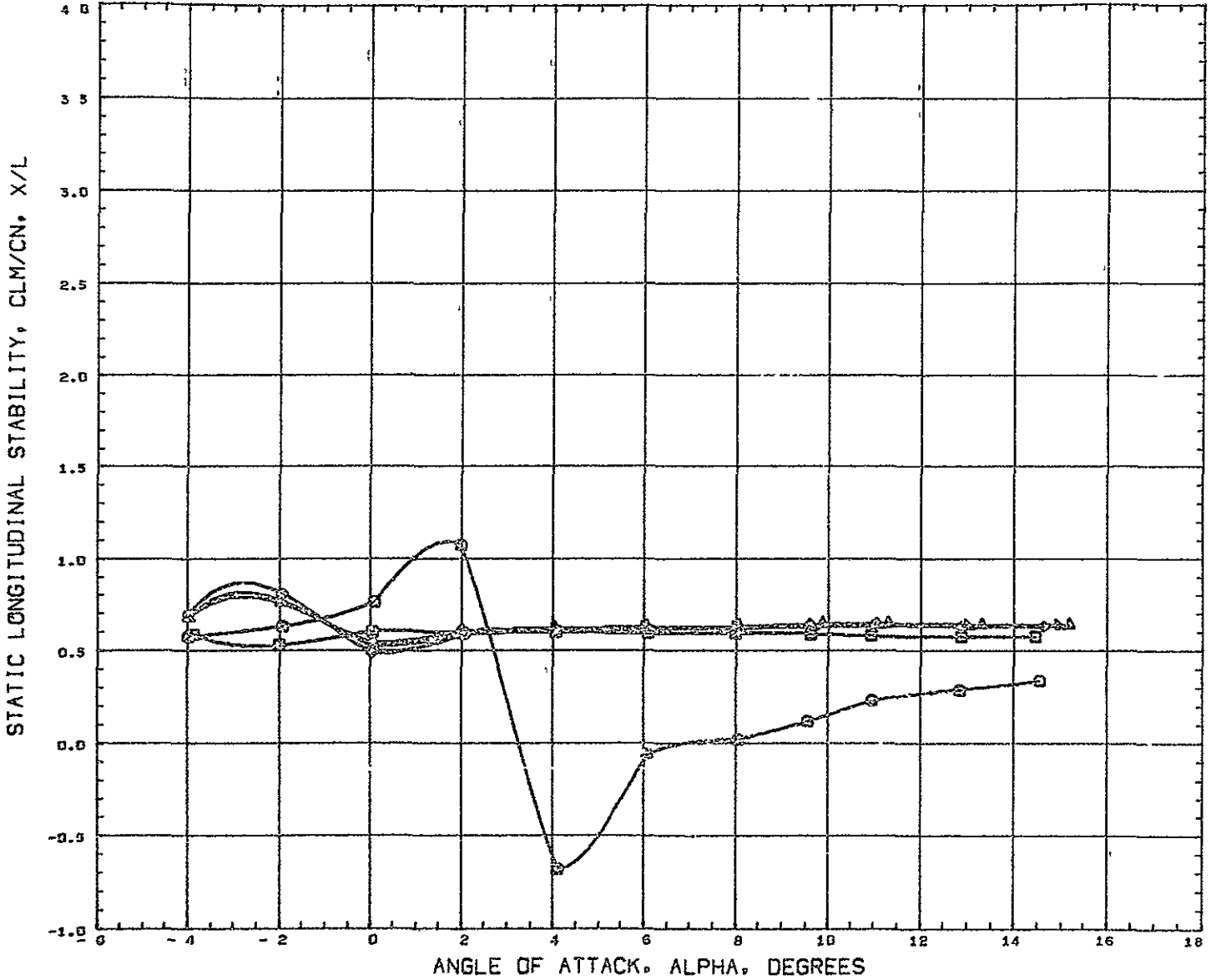


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6087)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 0 000	REFS 0 1790 SQ FT
(RC6082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6077)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6067)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RC6072)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YHRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

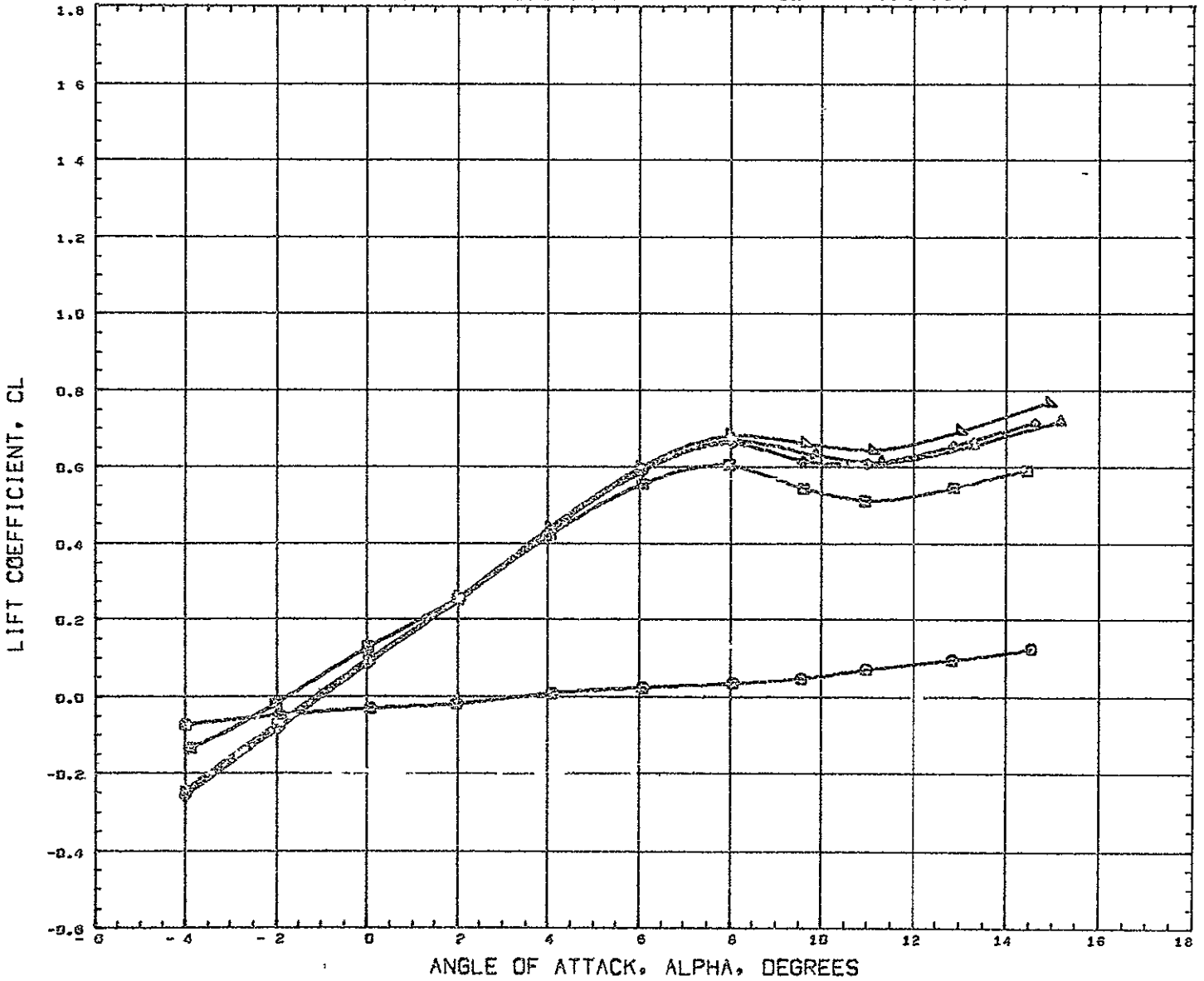


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6067)	○	NAAL 632 SSV-STR WING FORCE-MAC B9	BETA 0.000	REFS 0 1790 SQ FT
(RC6062)	□	NAAL 632 SSV-STR WING FORCE-H1C B9 W10		REFL 15 7370 INCHES
(RC6077)	◇	NAAL 632 SSV-STR WING FORCE-MAC B9 W10 H12		REFB 11 3390 INCHES
(RC6057)	△	NAAL 632 SSV-STR WING FORCE-MAC B9 W10 H12 V5		XMRP 9 0400 INCHES
(RC6072)	◻	NAAL 632 SSV-STR WING FORCE-MAC B9 H2 W10 H12 V5		YMFP 0 0000 INCHES
				ZMRP 0 38.0 INCHES
				SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

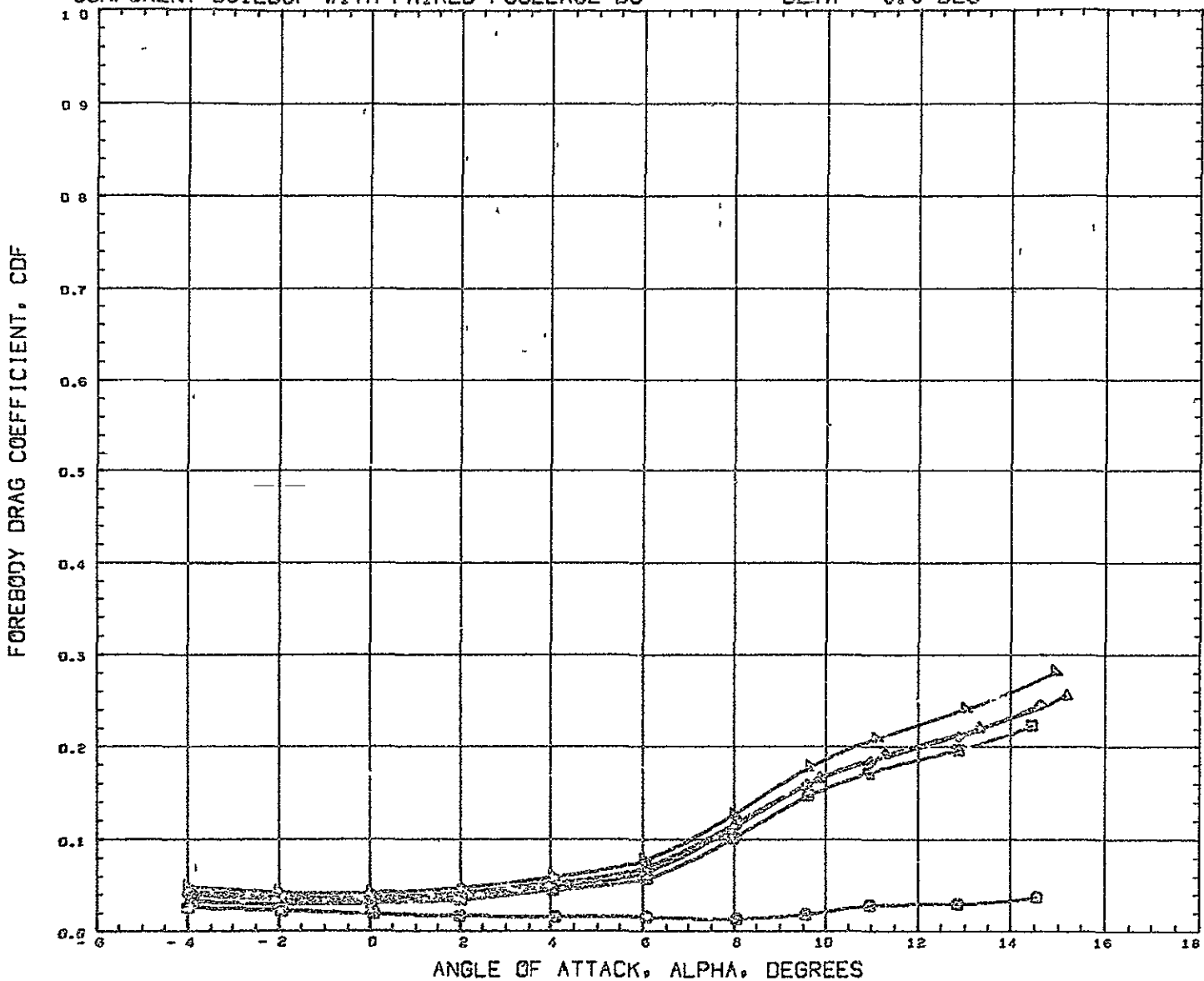


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG087)	MAAL 632 SSV-STR WING FORCE-NAC B9	BETA 0 000	REFS 0 1790 SQ FT
(RCG082)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG077)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG067)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RCG072)	MAAL 632 SSV-STR WING FORCE-NAC B9 H2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

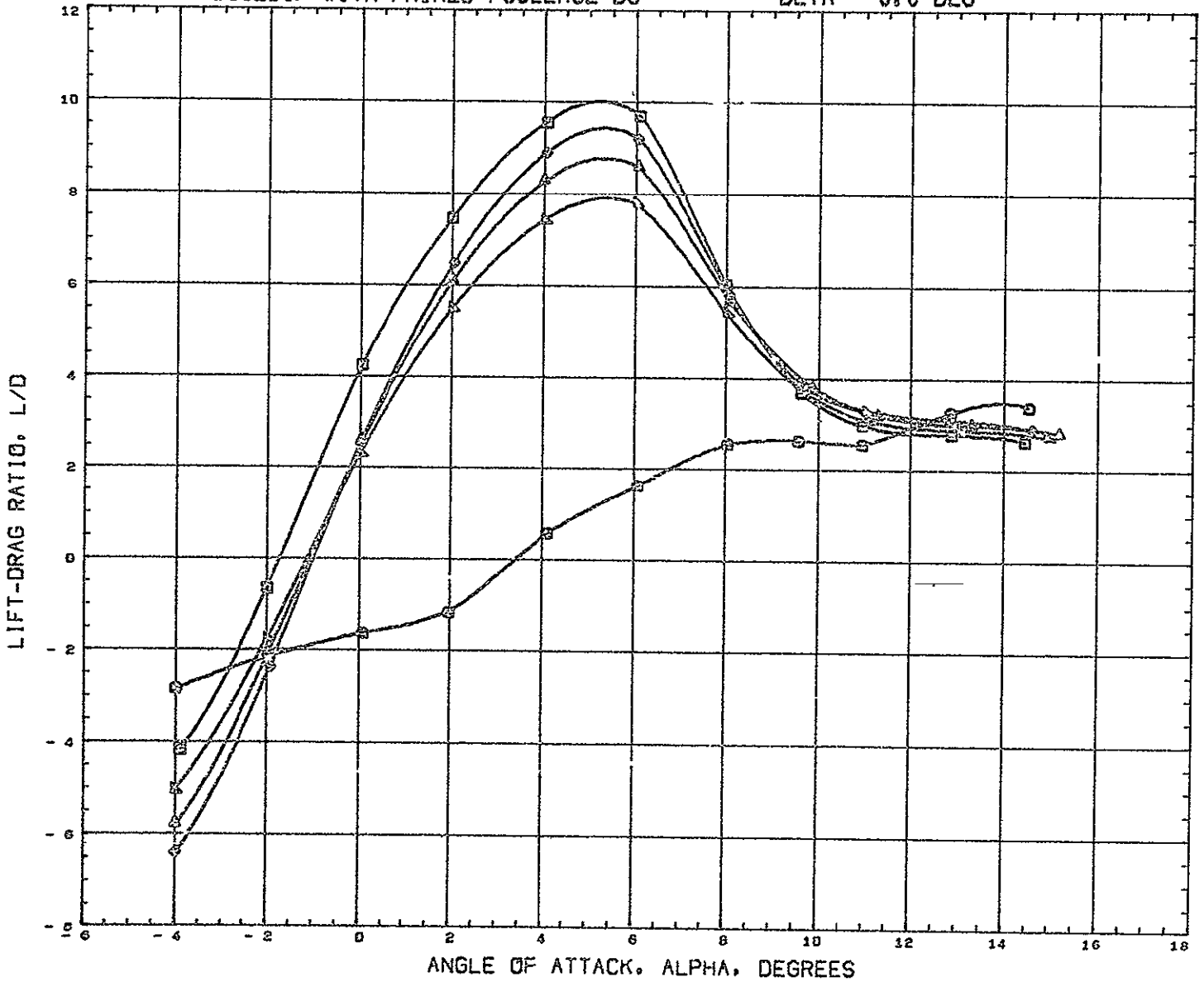


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG087)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 0.000	PEFS 0 1790 SQ FT
(RCG082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7376 INCHES
(RCG077)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG067)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XHRP 9 8400 INCHES
(RCG072)	NAAL 632 SSV-STR WING FORCE-NAC B9 H2 W10 H12 V5		YHRP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RCG087)	□ NAAL 032 SSV-STR WING FORCE-NAC B9
(RCG082)	○ NAAL 032 SSV-STR WING FORCE-NAC B9 W10
(RCG077)	◇ NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12
(RCG067)	△ NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5
(RCG072)	▽ NAAL 032 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5

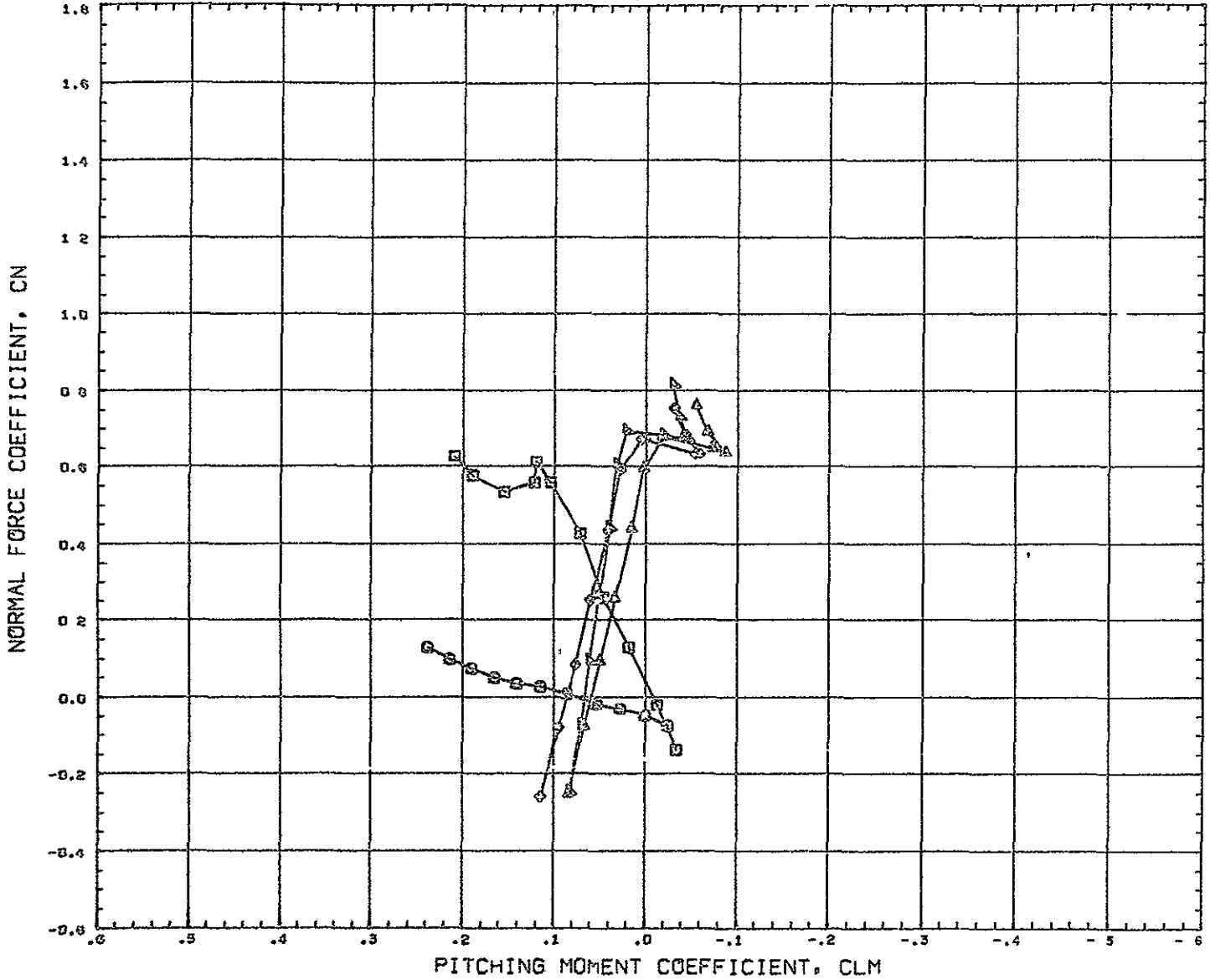
PARAMETRIC VALUES
SE* 0.000

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG



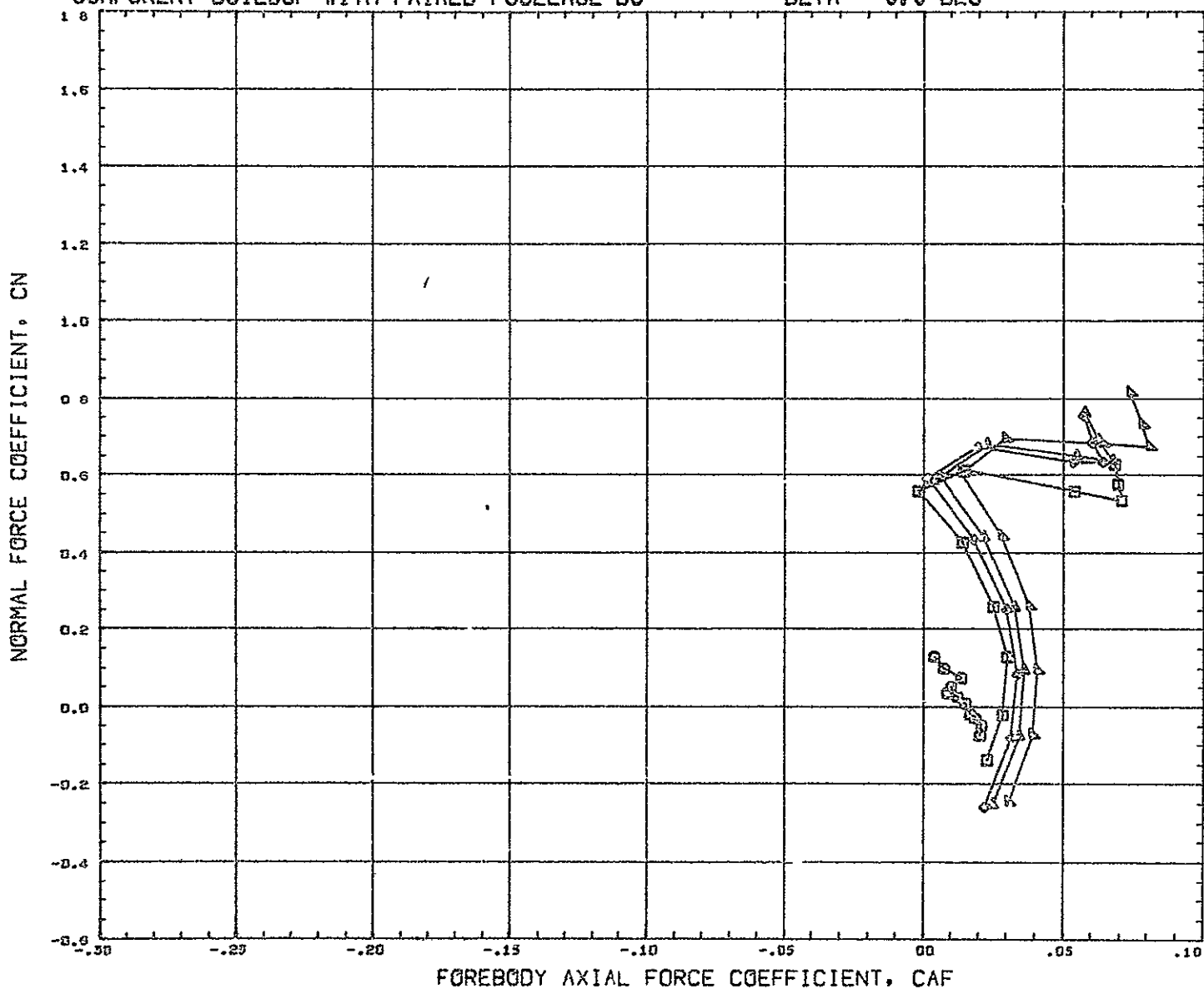
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCCG087)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 0.000	REFS 0.1790 SQ FT
(RCCG082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCCG077)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCCG067)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 6100 INCHES
(RCCG072)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

272

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

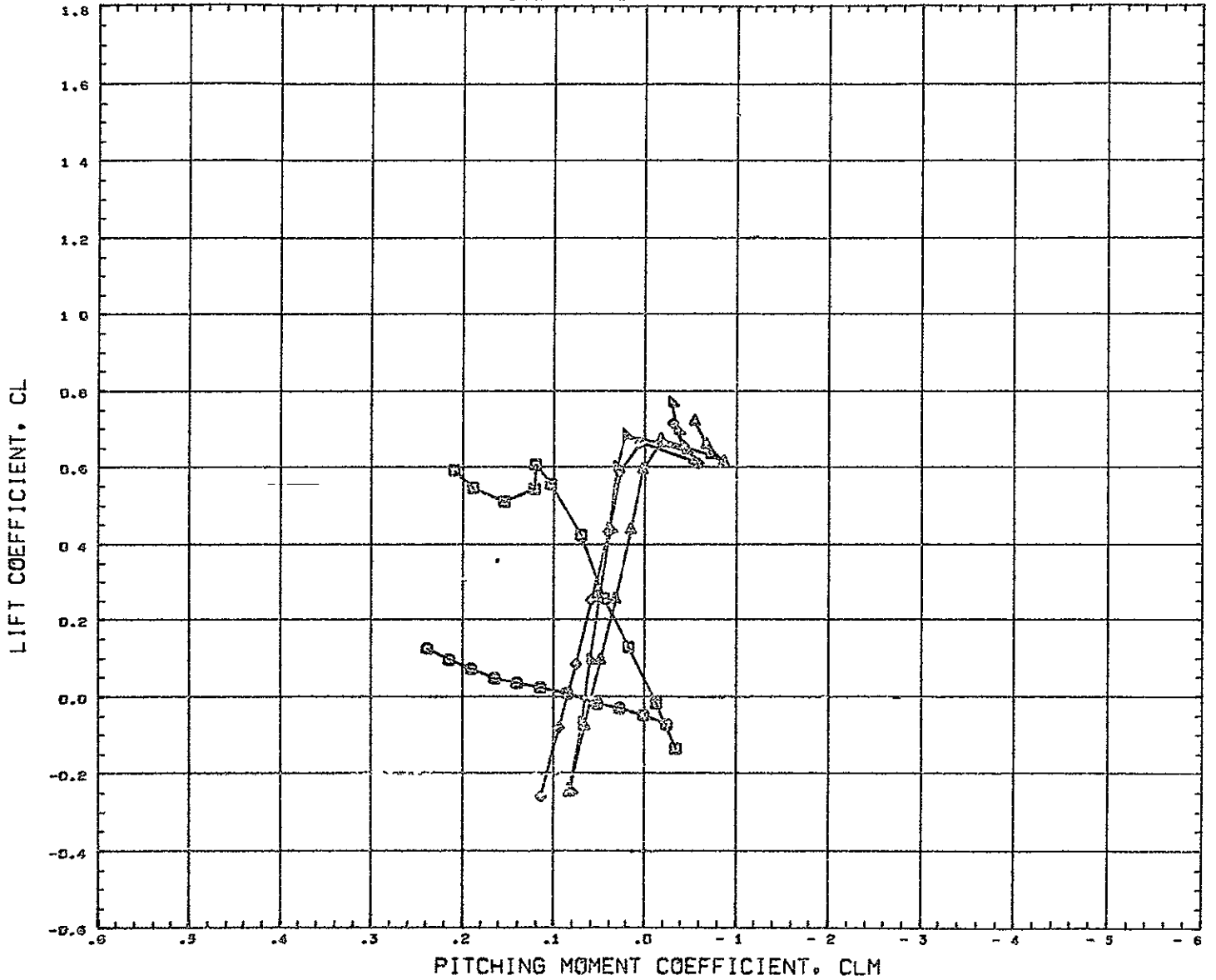


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6037)	MAAL 632 SSV-STR WING FORCE-NAC B9	BETA 0.000	REFS 0 1790 SQ.FT
(RC6032)	MAAL 632 S'V-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6077)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6067)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XHRP 9 8400 INCHES
(RC6072)	MAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YHRP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG



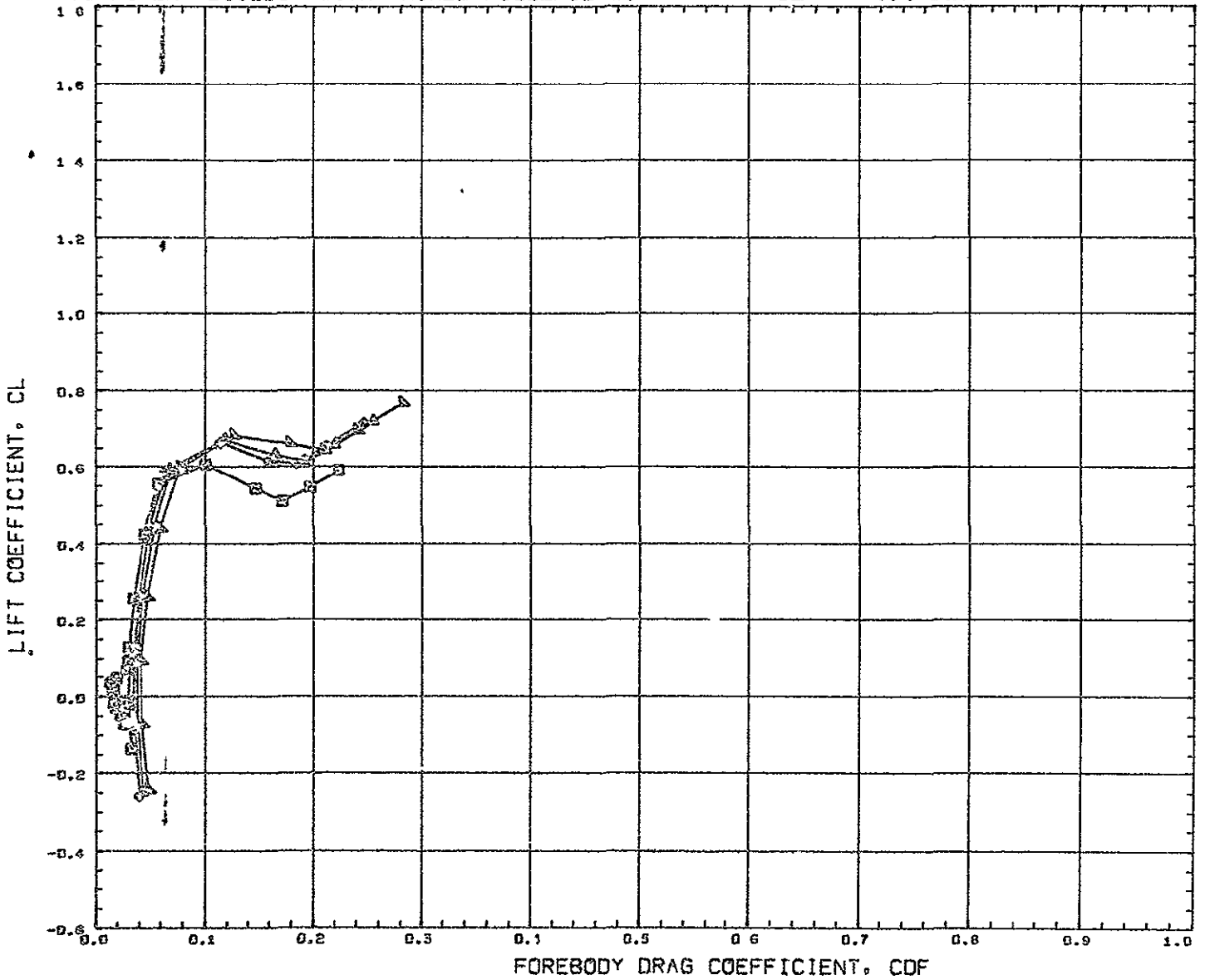
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG087)	□ NAAL 032 SSV-STR WING FORCE-NAC B9	BETA 0.000	PEFS 0 1790 SQ FT
(RCG092)	□ NAAL 032 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG077)	◇ NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG057)	△ NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XNRF 9 8400 INCHES
(RCG072)	▽ NAAL 032 SSV-STR WING FORCE-NAC B9 H2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

274

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 0.0 DEG

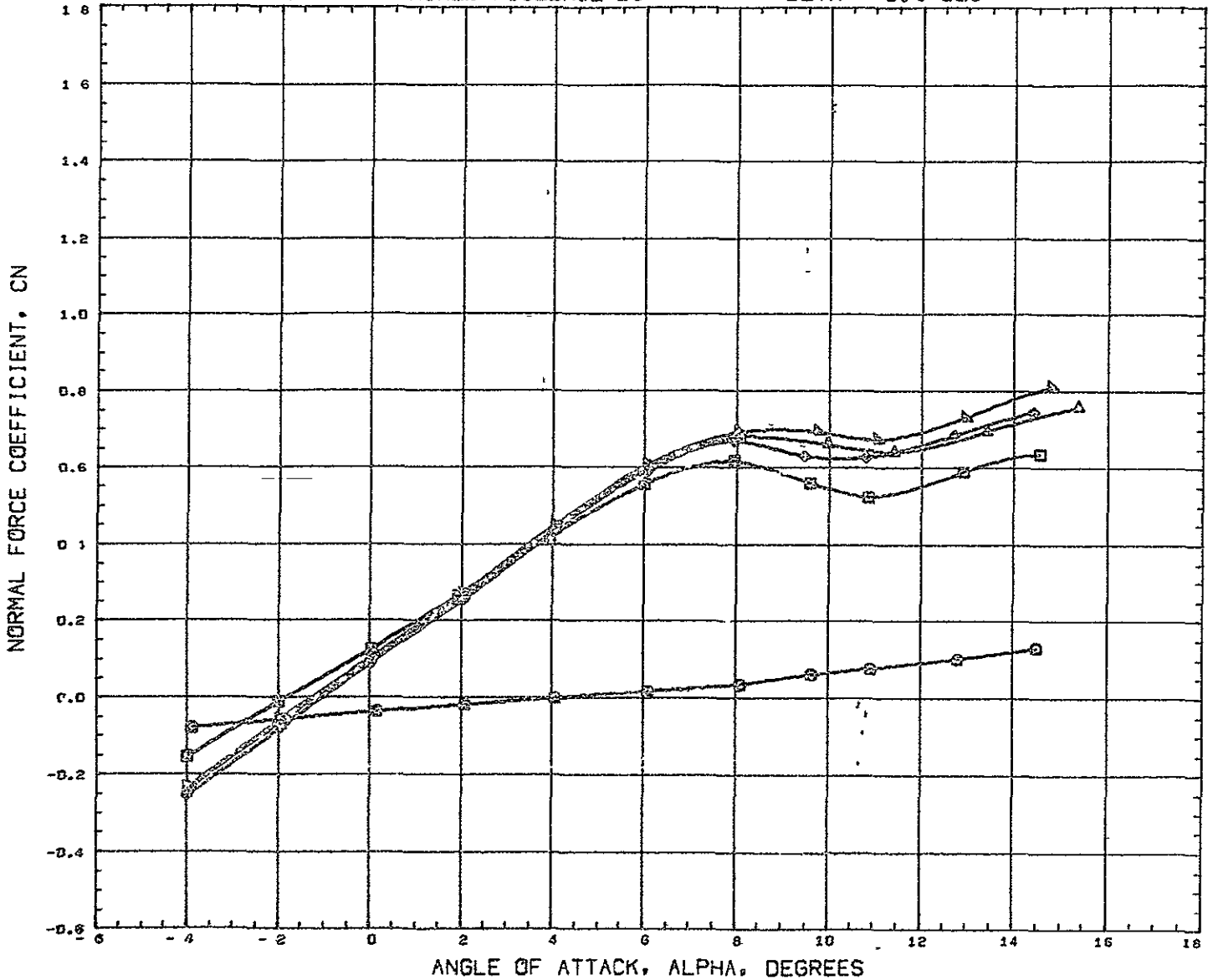


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6087)	NAAL 632 SSV-STR WING FORCE-NAC B3	BETA 0 000	REFS 0 1790 SQ FT
(RC6082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6077)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6087)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XNRP 9 8400 INCHES
(RC6072)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YNRP 0 0000 INCHES
			ZNRP 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

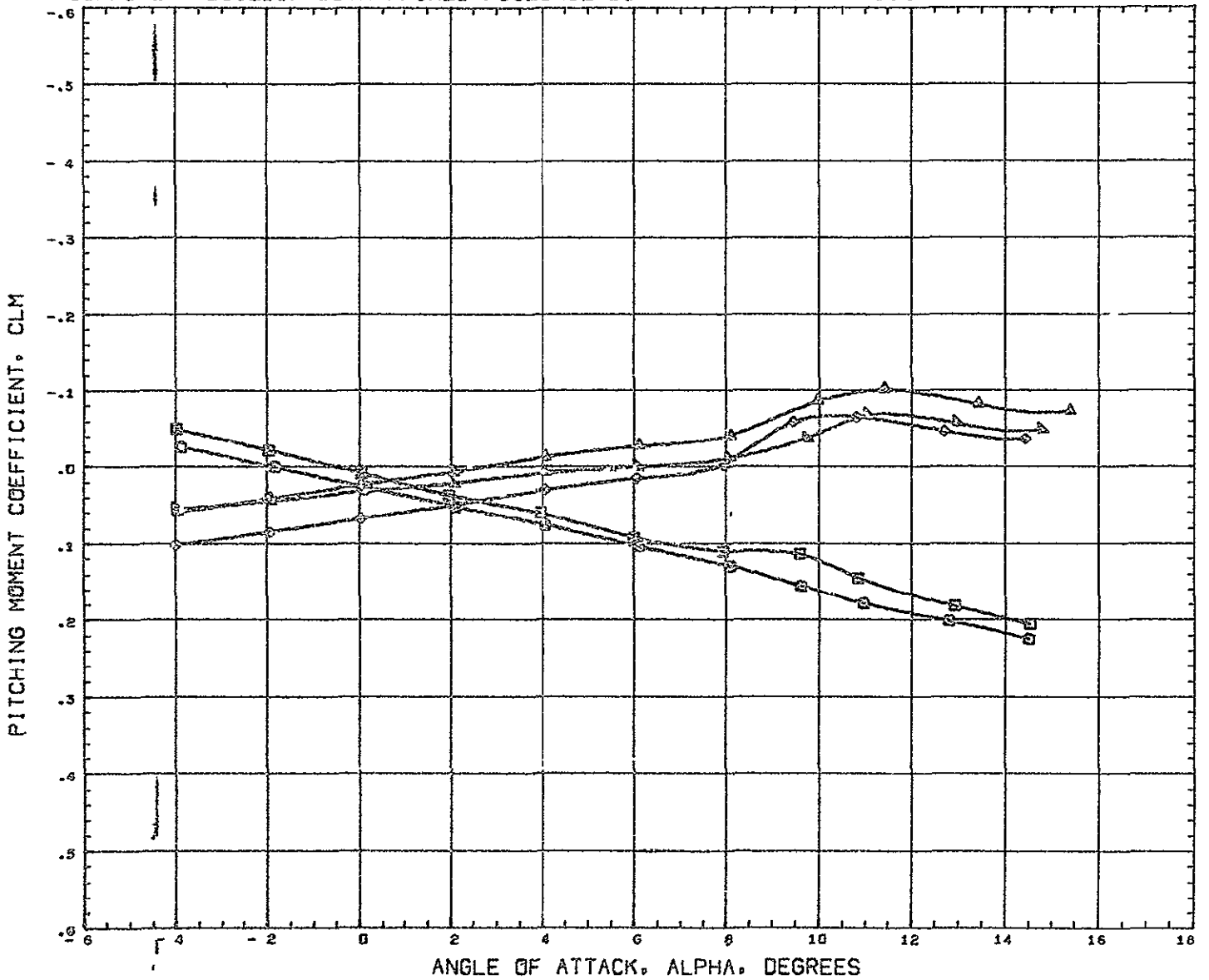


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG008)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0 1790 SQ FT
(RCG003)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7570 INCHES
(RCG078)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG080)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RCG073)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

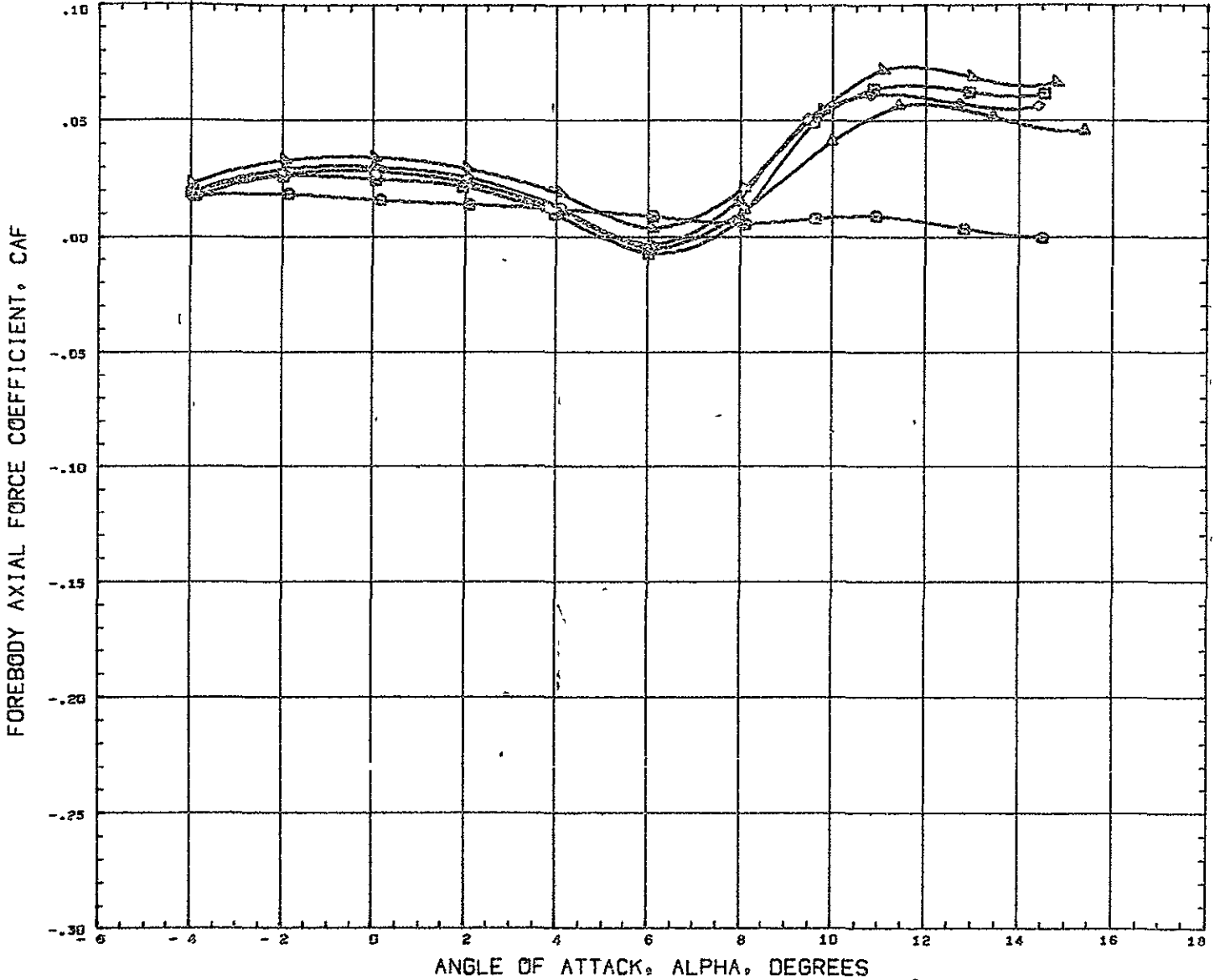


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6088)	NAAL 632 SSV-STR WING FORCE-NAC B)	BETA = 5.000	REFS 0 1790 SQ FT
(PC6083)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(PC6078)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6089)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMPF 9 8400 INCHES
(RC6073)	NAAL 632 SSV-STR WING FORCE-IAC B9 N2 W10 H12 V5		YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

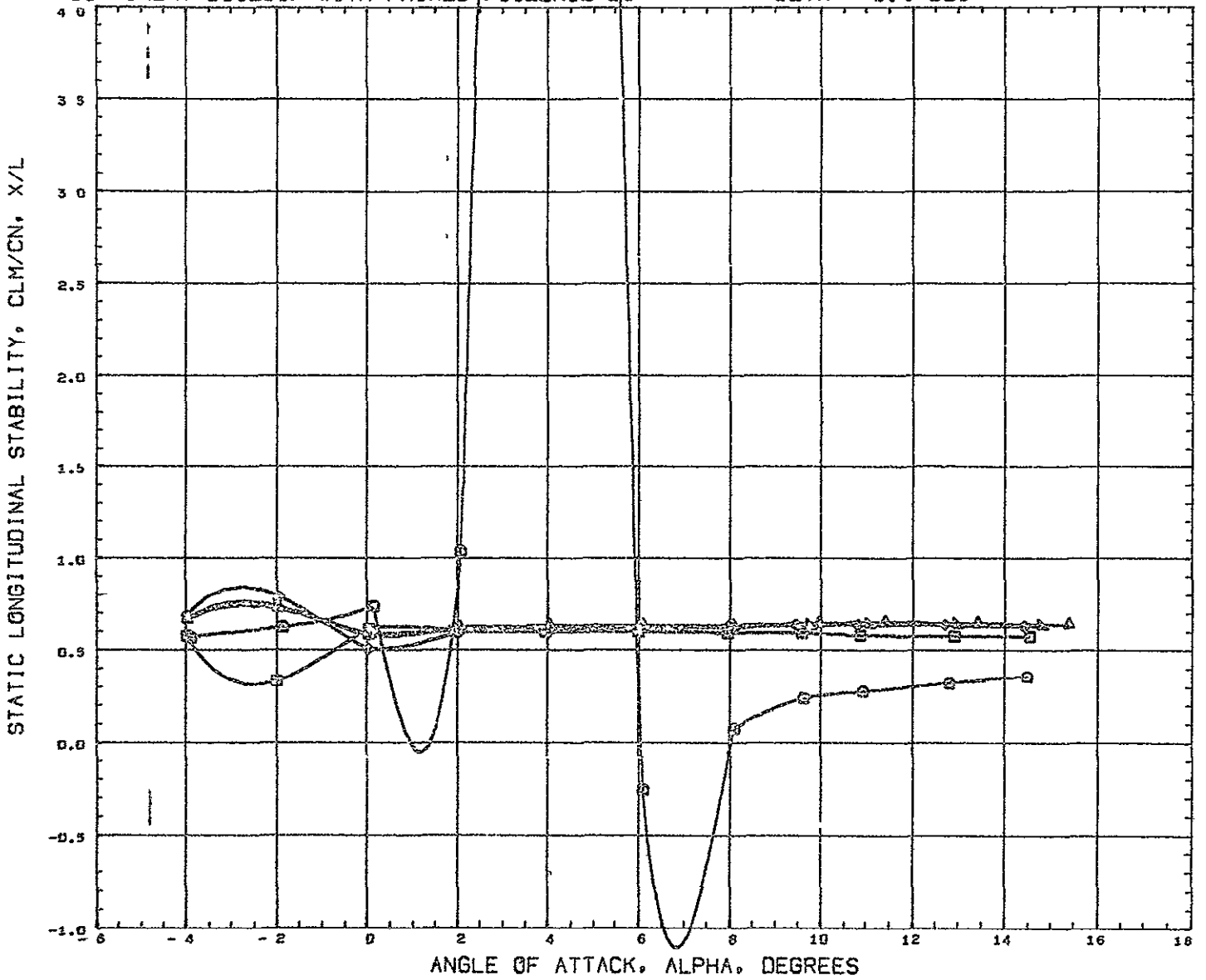


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6068)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0 1790 SQ FT
(RC6069)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6070)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6068)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9.8100 INCHES
(RC6073)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP 0 38.0 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

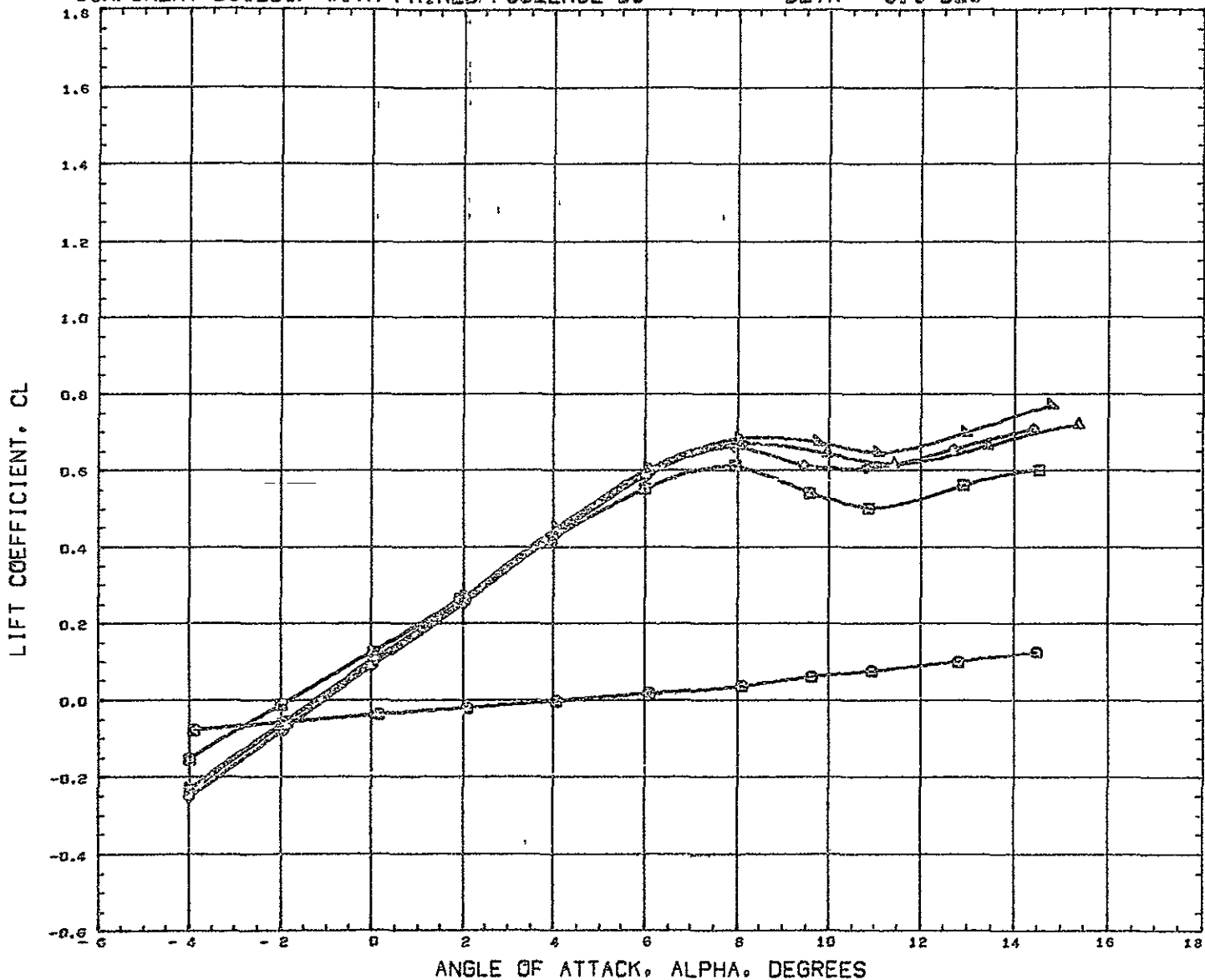


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG088)	□ NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0 1700 SQ FT
(RCG083)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG079)	○ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG086)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XHRF 9 8400 INCHES
(RCG073)	▽ NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YHRF 0 0000 INCHES
			ZHRF - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

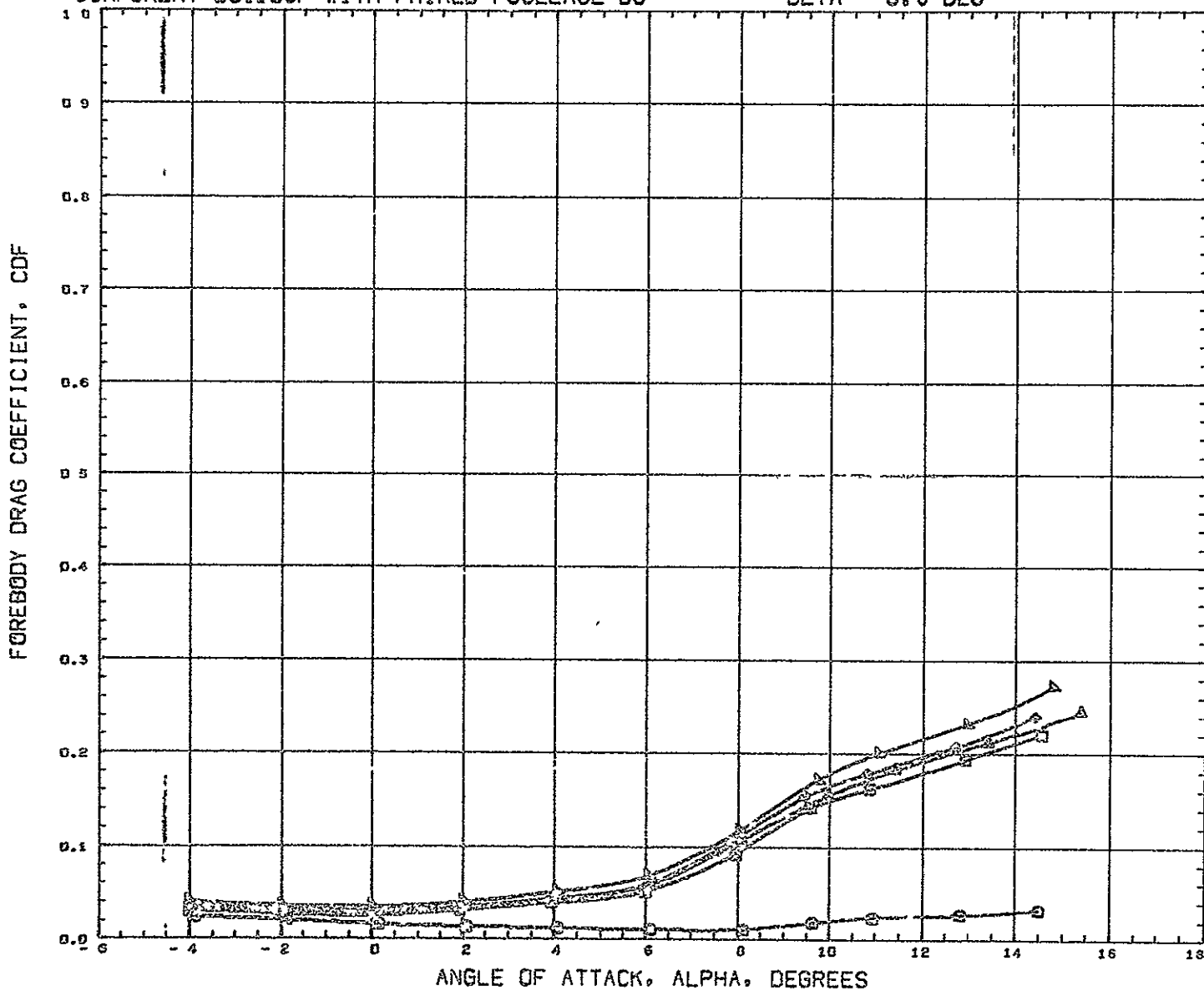


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC088)	□ NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0.1790 SQ FT
(RCC083)	◇ NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15.7370 INCHES
(RCC078)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11.3390 INCHES
(RCC080)	○ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XNRP 9.8400 INCHES
(RCC073)	▽ NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YNRP 0.0000 INCHES
			ZHPF 0.3840 INCHES
			SCALE 0.0076 SCALE

NACH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

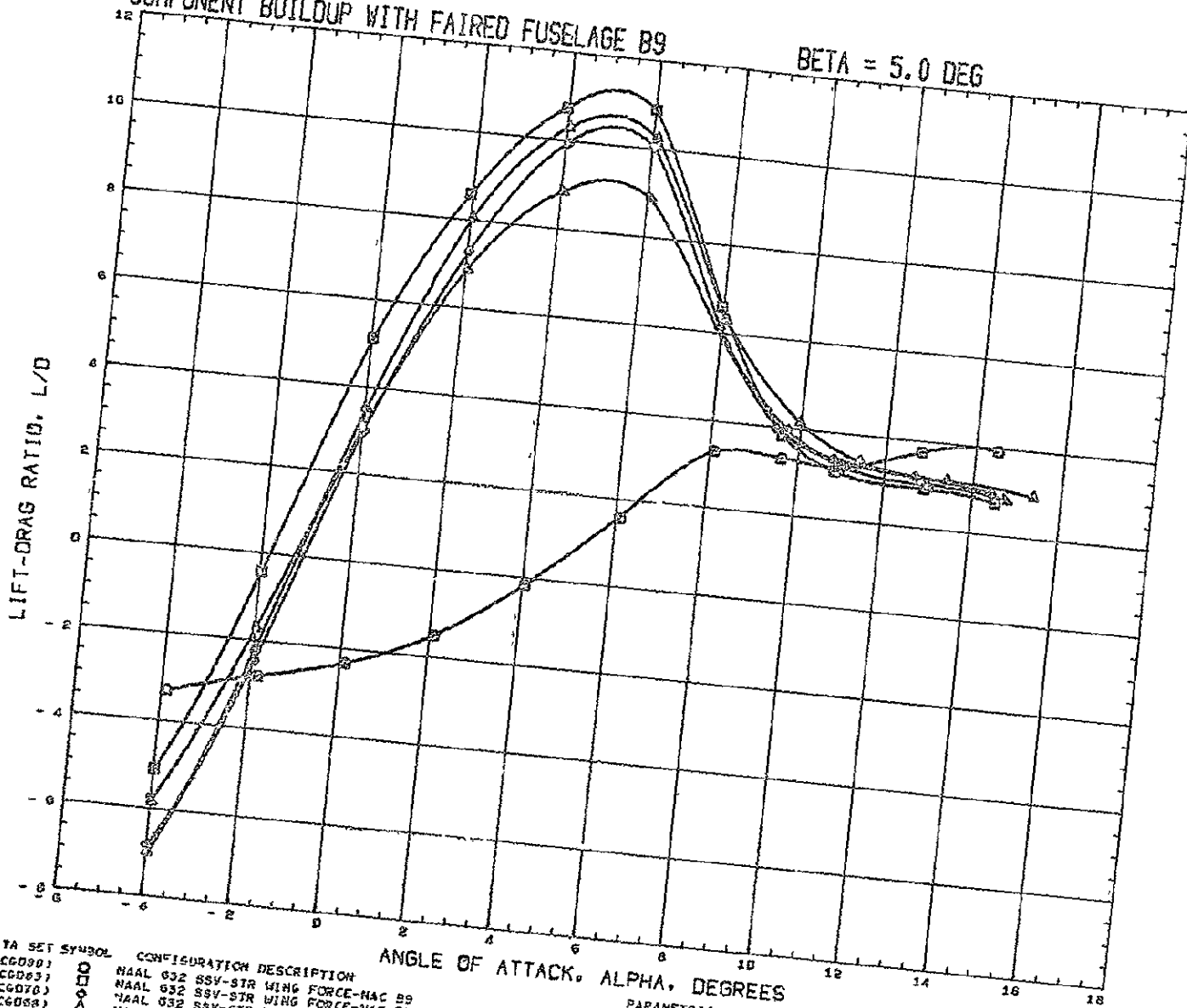


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6008)	NAAL 032 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0 1790 SQ FT
(RC6003)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6078)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6000)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RC6073)	NAAL 032 SSV-STR WING FORCE-NAC B9 H2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.250

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RC6090)	NAAL 032 SSV-STR WING FORCE-NAC B9
(RC6093)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10
(RC6070)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12
(RC6088)	NAAL 032 SSV-STR WING FORCE-NAC B9 H10 H12 V5
(RC6073)	NAAL 032 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5

MACH 0.259

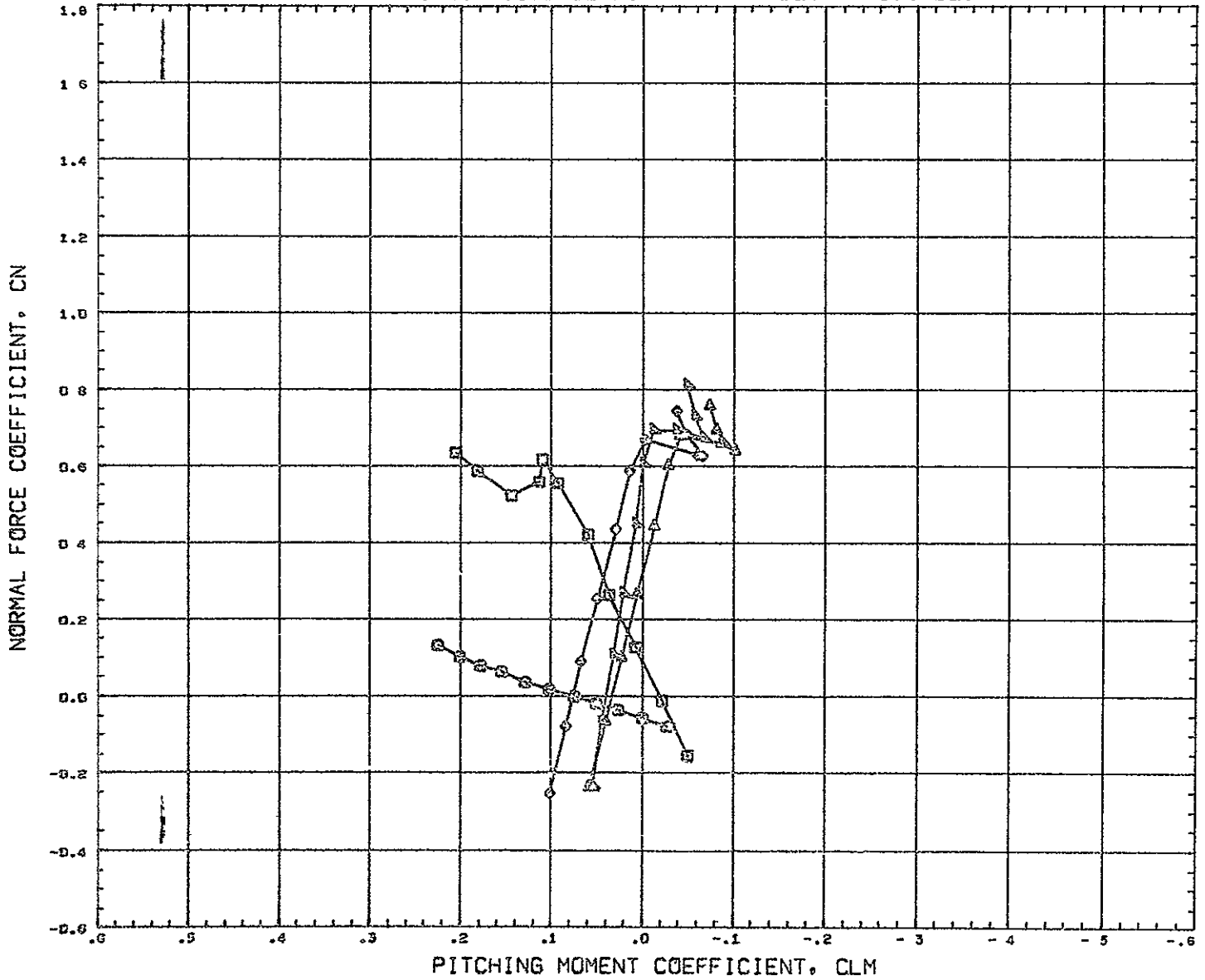
ANGLE OF ATTACK, ALPHA, DEGREES

BETA 5.000
PARAMETRIC VALUES

REFERENCE INFORMATION		
REFS	0	1750 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XNRP	9	8400 INCHES
YNRP	0	0000 INCHES
ZNRP	0	3340 INCHES
SCALE	0	0076 SCALE

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RC6088)	NAAL 632 SSV-STR WING FORCE-NAC B9
(RC6085)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10
(RC6076)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12
(RC6088)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5
(RC6073)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5

PARAMETRIC VALUES

BETA 5.000

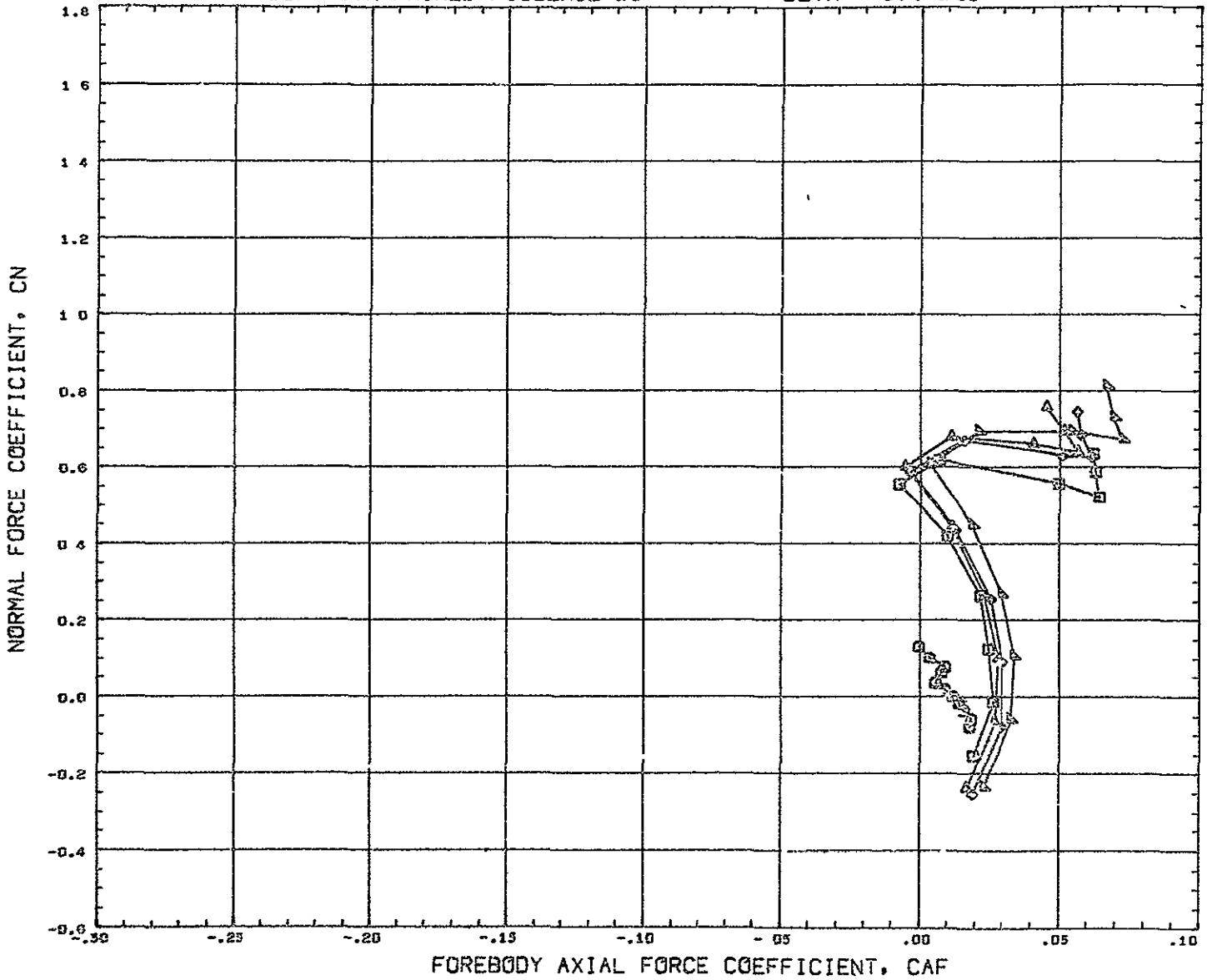
REFERENCE INFORMATION

REFS	0	1790	SQ FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YMRP	0	0000	INCHES
ZMRP	0	3840	INCHES
SCALE	0	0076	SCALE

HACH D 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

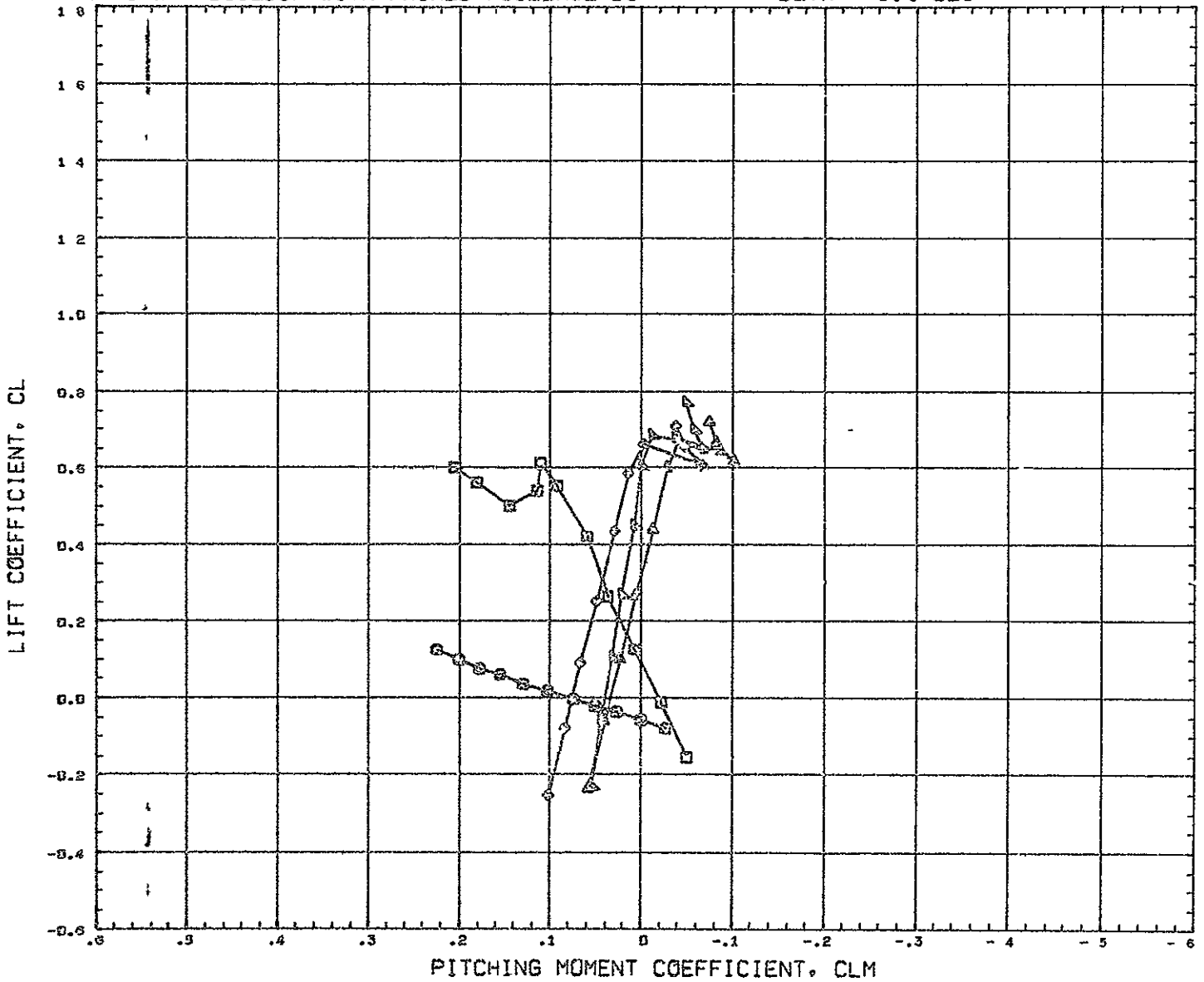


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG088)	NAAL 032 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0 1790 SQ FT
(RCG083)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG078)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG068)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RCG073)	NAAL 032 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMPP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

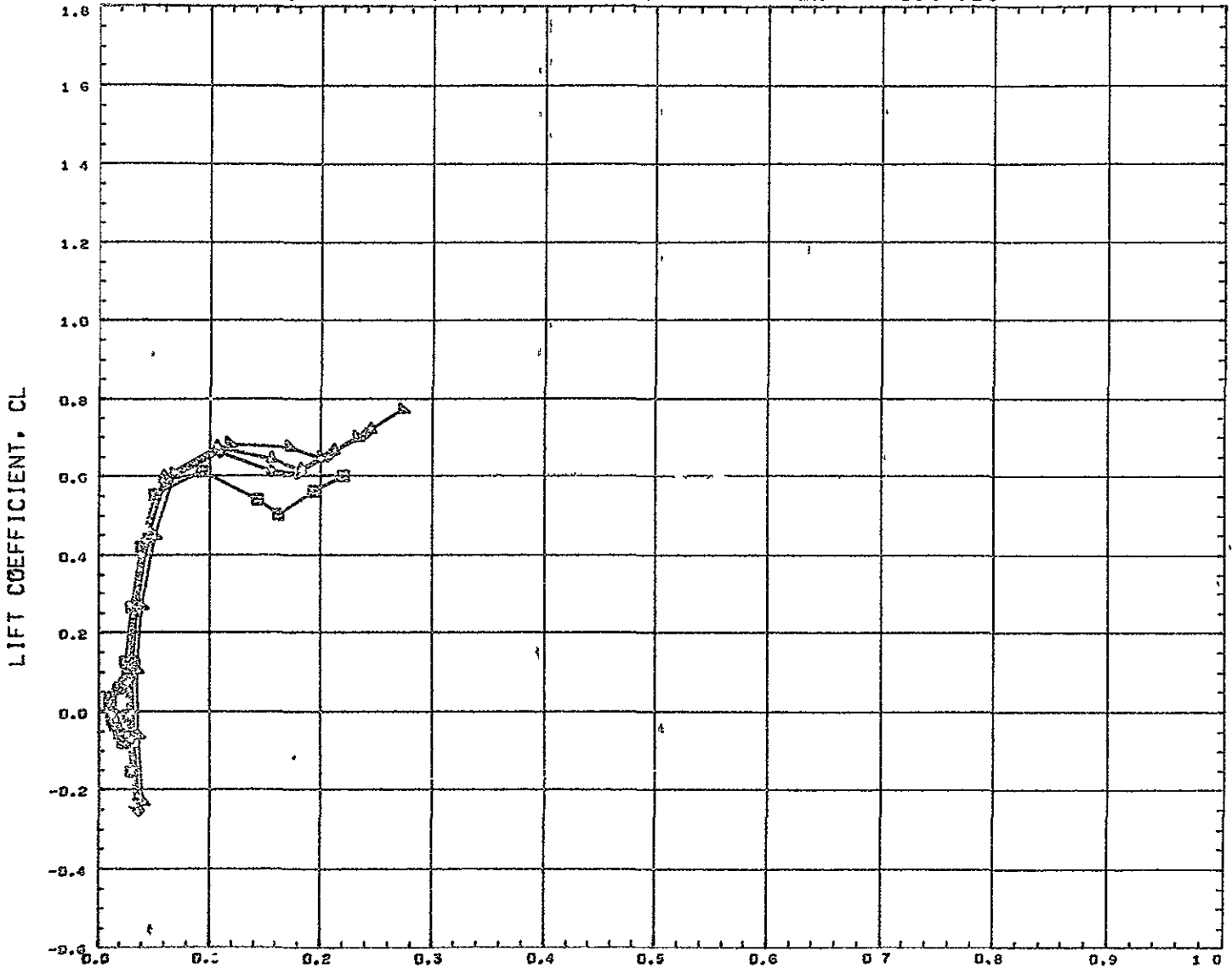


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC0388)	NAAL 632 SSV-STR WING FORCE-NAC B0	BETA 5.000	REFS 0 1790 SQ FT
(RC0083)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC0078)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC0036)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RC0073)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

H1CH 0 259

COMPONENT BUILDUP WITH FAIRED FUSELAGE B9

BETA = 5.0 DEG

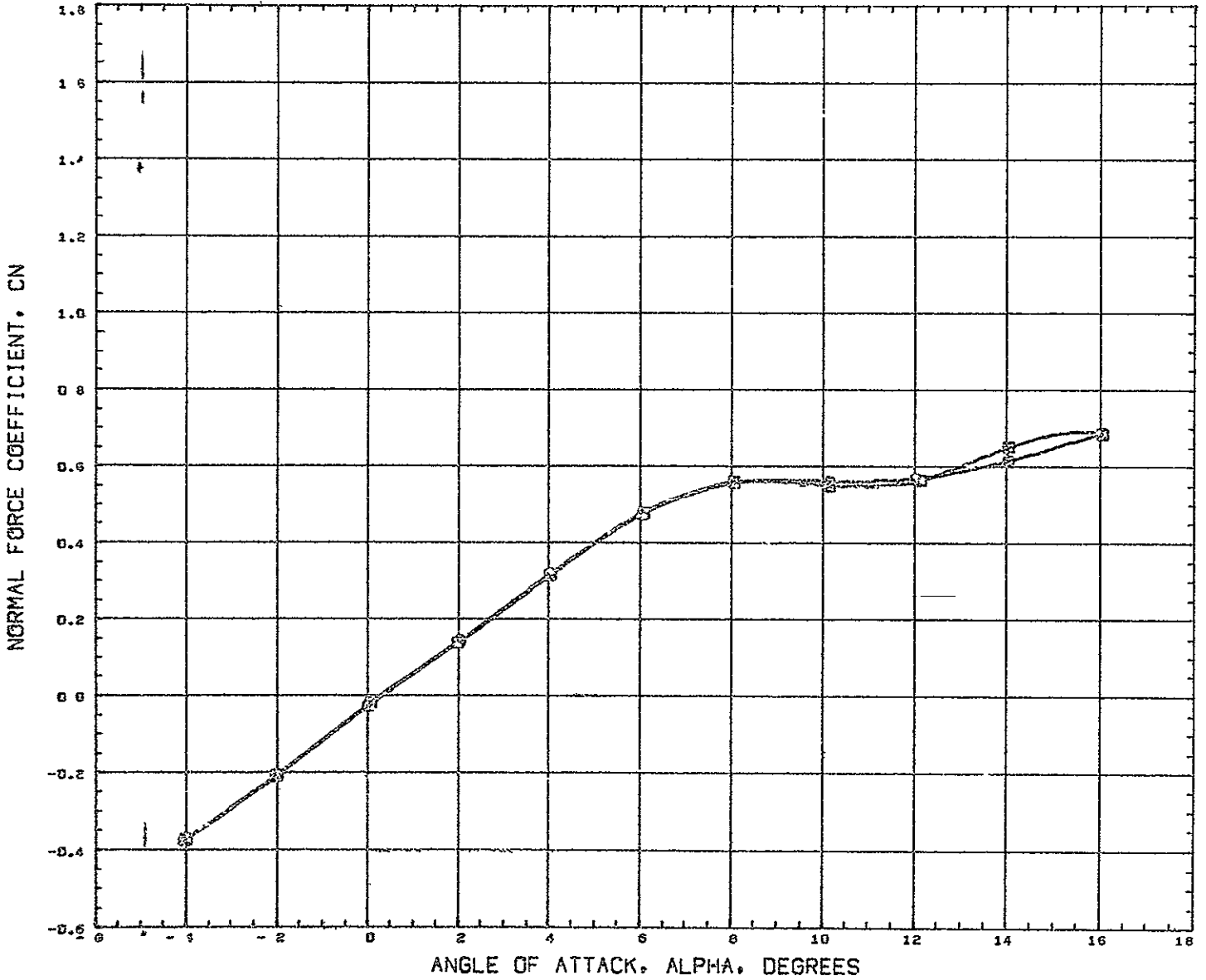


FOREBODY DRAG COEFFICIENT, CDF

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6080)	NAAL 632 SSV-STR WING FORCE-NAC B9	BETA 5.000	REFS 0 1790 SQ FT
(RC6083)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6078)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6082)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V3		XMRP 9 8400 INCHES
(PC6073)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V3		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

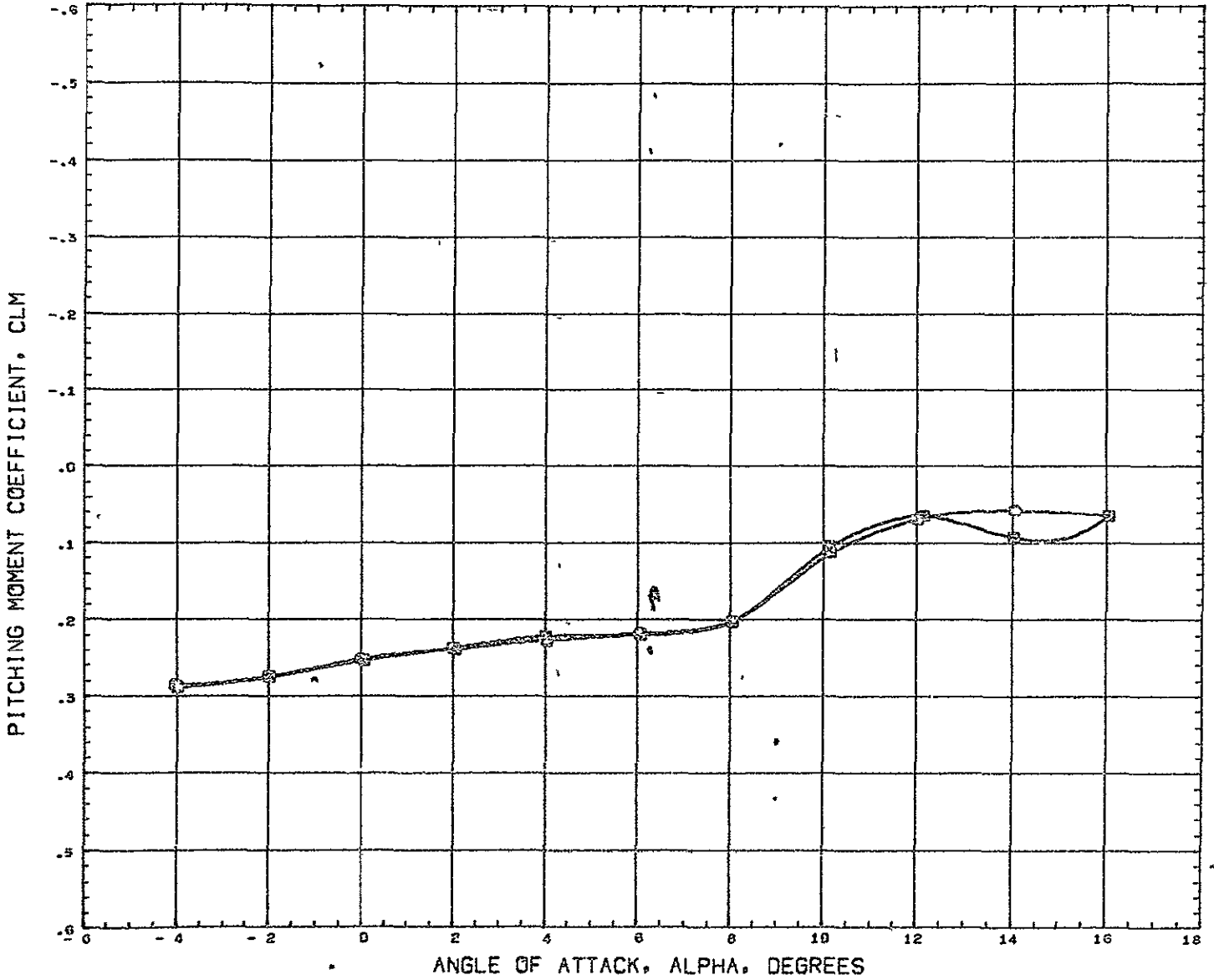
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6108)	□ NAAL 632 SSV-8TP WING FORCE-NAC B6N6H10H12E12V5	BETA 0 000 HOR	0 000
(RC6107)	□ NAAL 632 SSV-3TR WING FORCE-NAC B6N W16H12E12V5	ELEVTR - 10 000	
			REFS 0 1790 SQ FT
			REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZHPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

ELEVATOR EFFECTIVENESS WITH NAGELLES

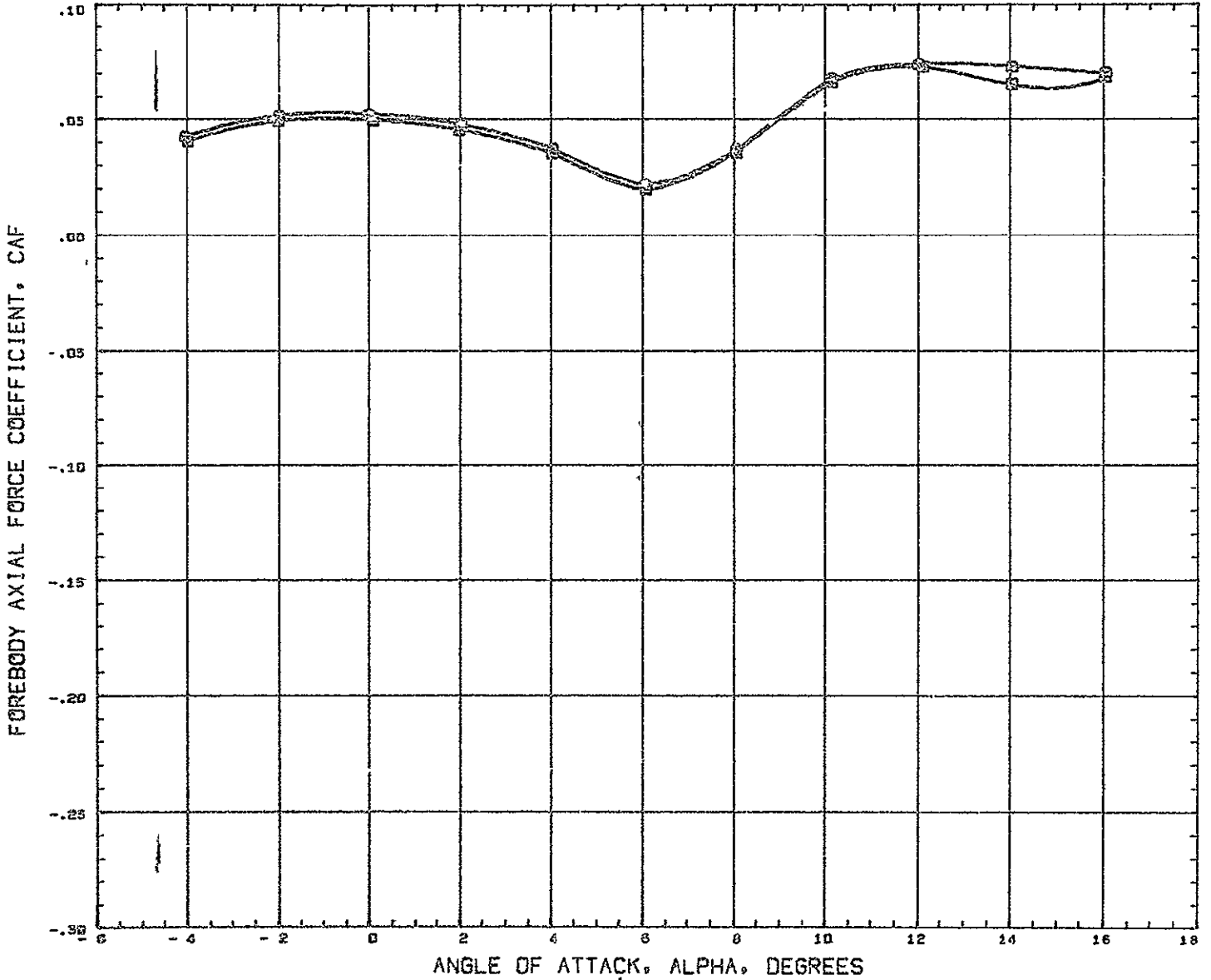


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG106)	NAAL 632 SSV-STR WING FORCE-NAC B6h6h1DH12E12V5	BETA 0 000 HOR	0 000
(RCG107)	NAAL 632 SSV-STP WING FORCE-NAC B6h6h1DH12E12V5	ELEVTR - 10 000	
			PEFS 0.1790 SQ FT
			REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0.3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

4/25/58

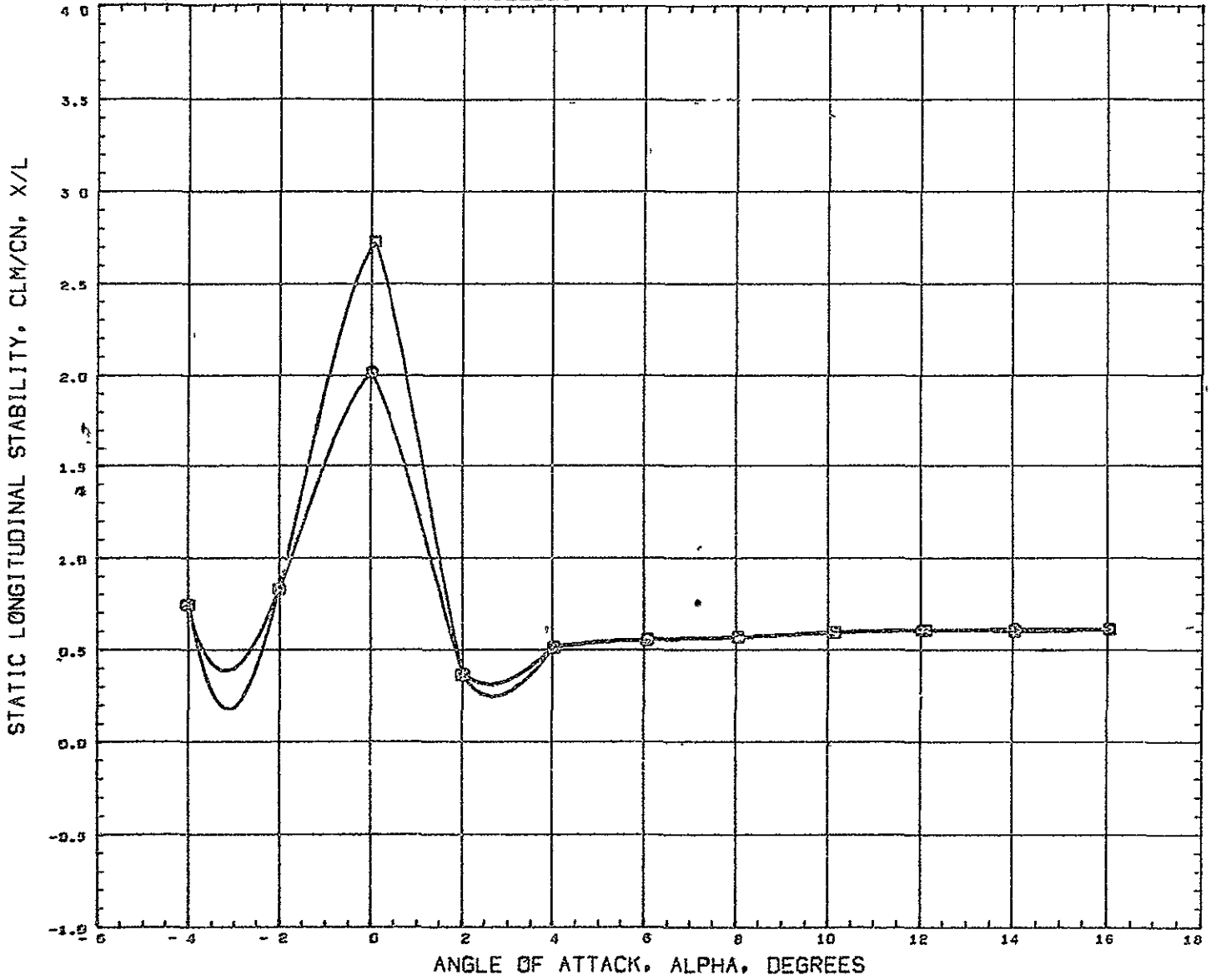
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG106)	MAAL 632 SSV-STR WING FORCE-NAC B6NS W/D12E12V5	SETA 0 000 FOR	REFS 0 1790 SQ FT
(RCG107)	MAAL 632 SSV-STR WING FORCE-NAC BOM W/D12E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.250

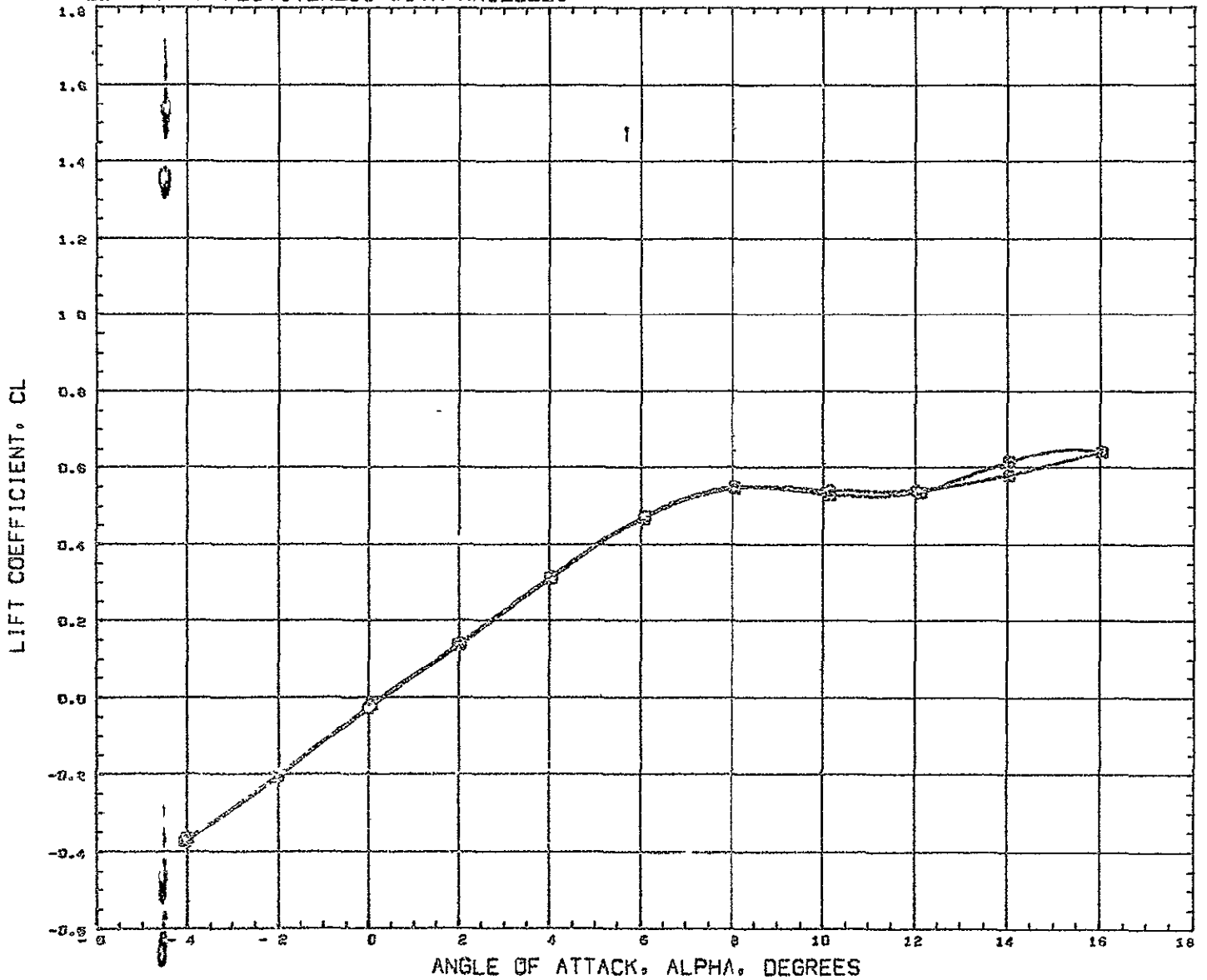
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC106)	MAAL 632 SSV-STP WING FORCE-NAC B6H6W10H12E12V5	BETA 0.000 40P	REFS 0 1790 SQ FT
(RCC107)	MAAL 632 SSV-STR WING FORCE-NAC B6H6W10H12E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

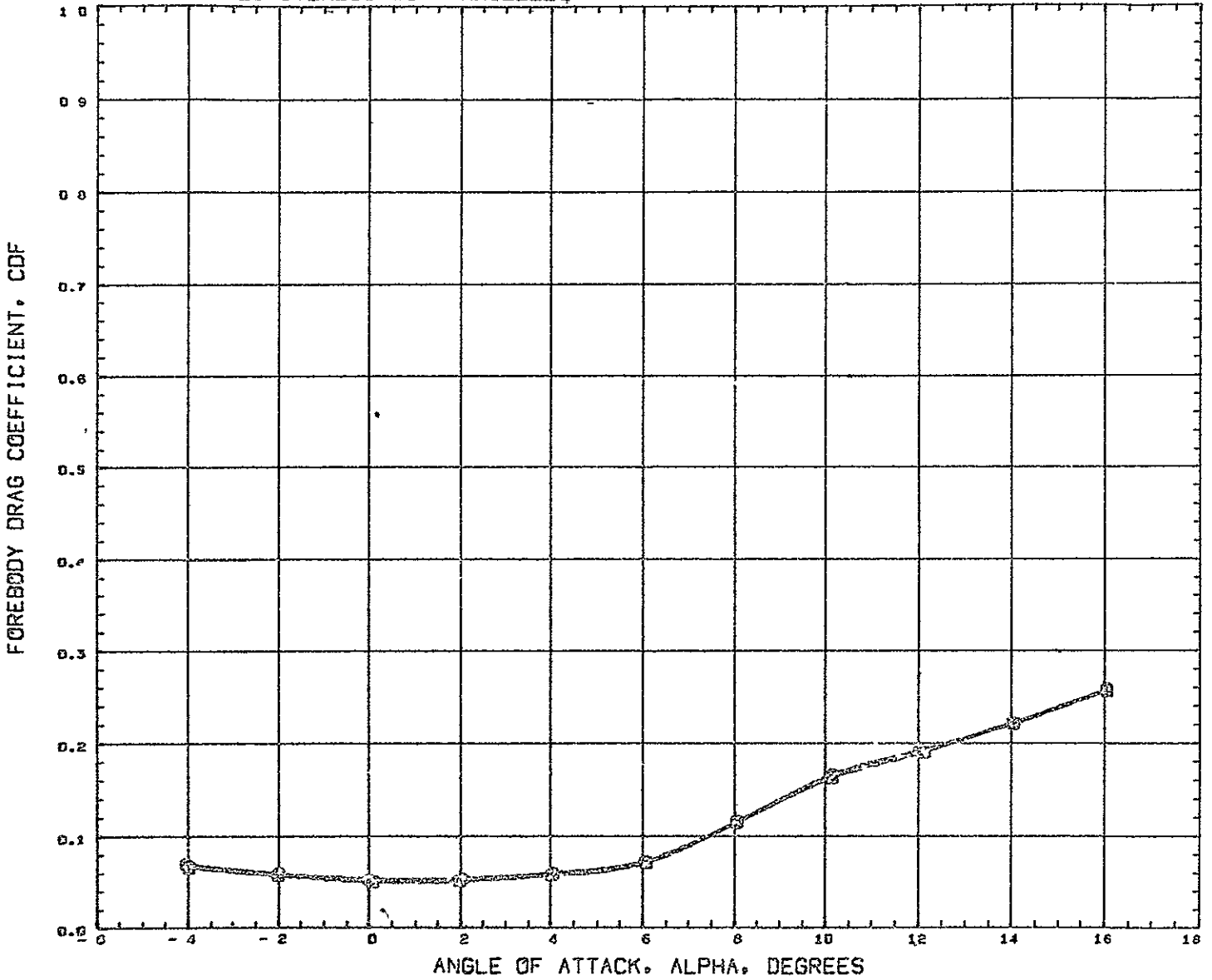
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6106)	NAAL 632 SSV-STR WING FORCE-NAC BENS WID 12E12V5	BETA 0.000 HOR	REFS 0 1790 SQ.FT
(RC6107)	NAAL 632 SSV-STR WING FORCE-NAC B6N WID 12E12V5	ELEVTR - 10 000	REPL 15 7370 INCHES
			PEFB 11 3390 INCHES
			XNRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZNRP 0 03840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

ELEVATOR EFFECTIVENESS WITH NACELLES

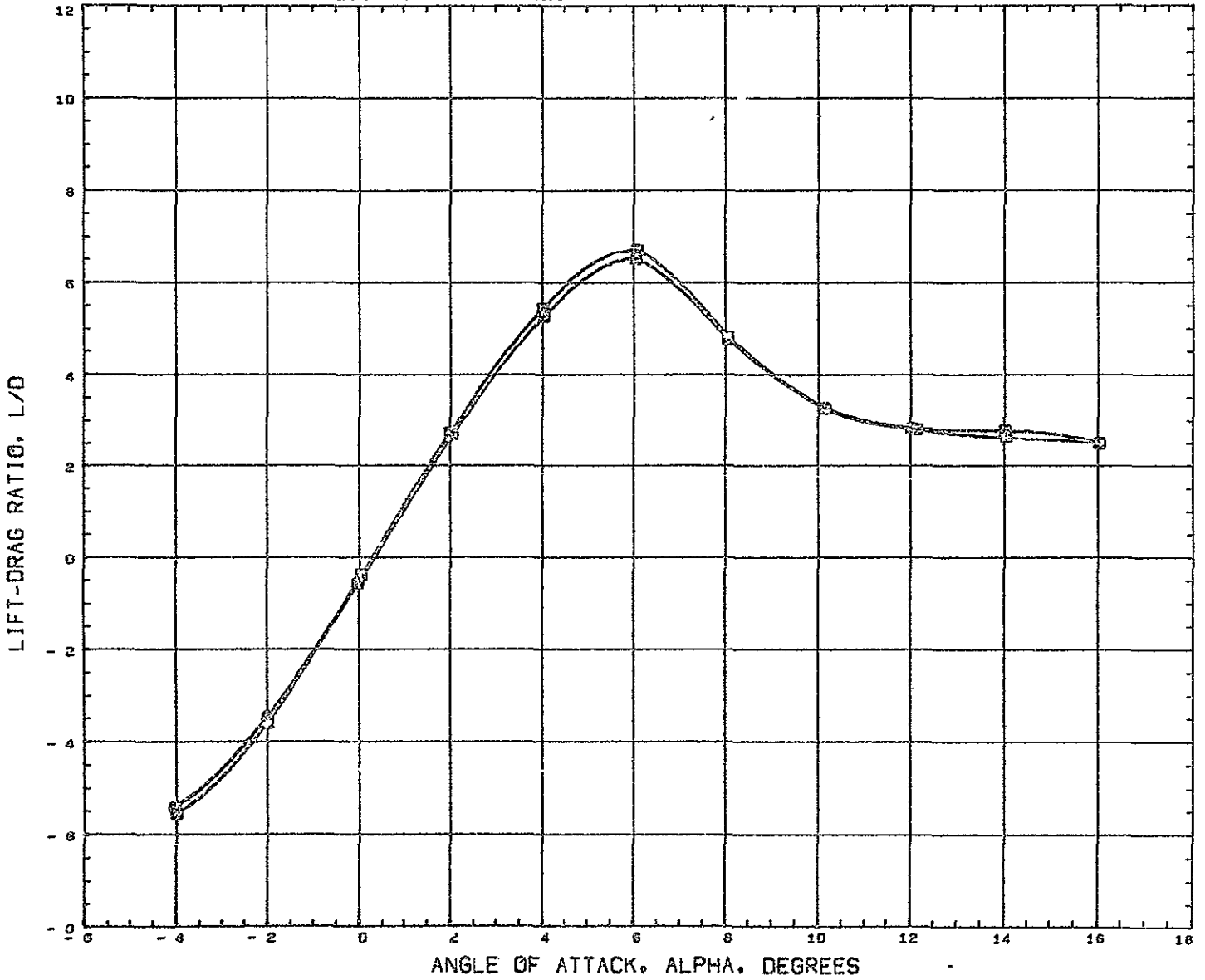


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG106)	NAAL 032 SSV-STR WING FORCE-NAC 06N6L0H12E12V5	BETA 0.000 HOR	REFS 0 1790 SQ FT
(RCG107)	NAAL 032 SSV-STR WING FORCE-NAC 06H W10H12E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3590 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.239

SECRET

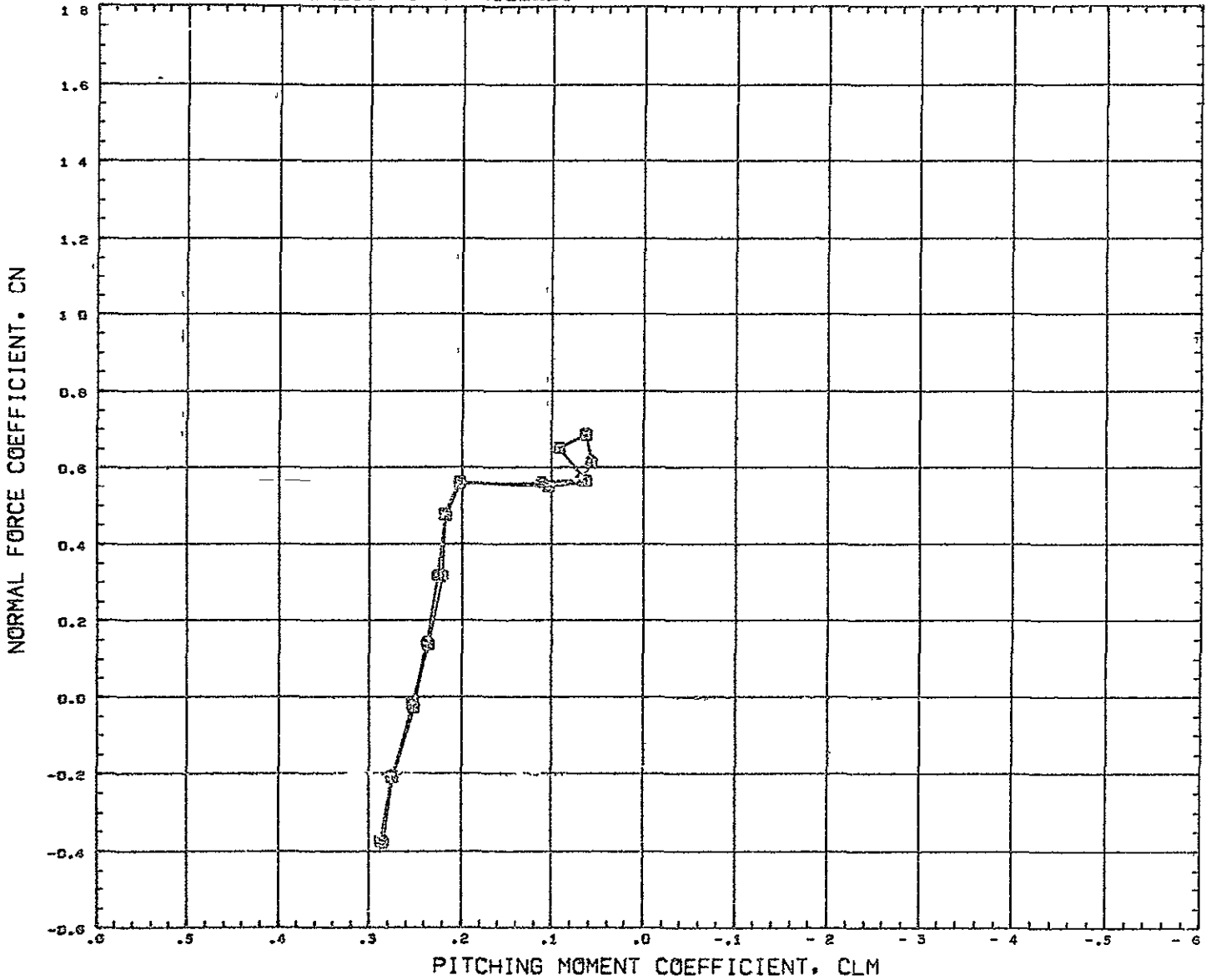
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6106)	□ NAAL 632 SSV-STR WING FORCE-NAC 66H6W12H12E12V5	βC ^T A 0 000 HOR	0 000 REFS 0 1790 SQ FT
(RC6107)	□ NAAL 632 SSV-STR WING FORCE-NAC 66N H10H12E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHFP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 259

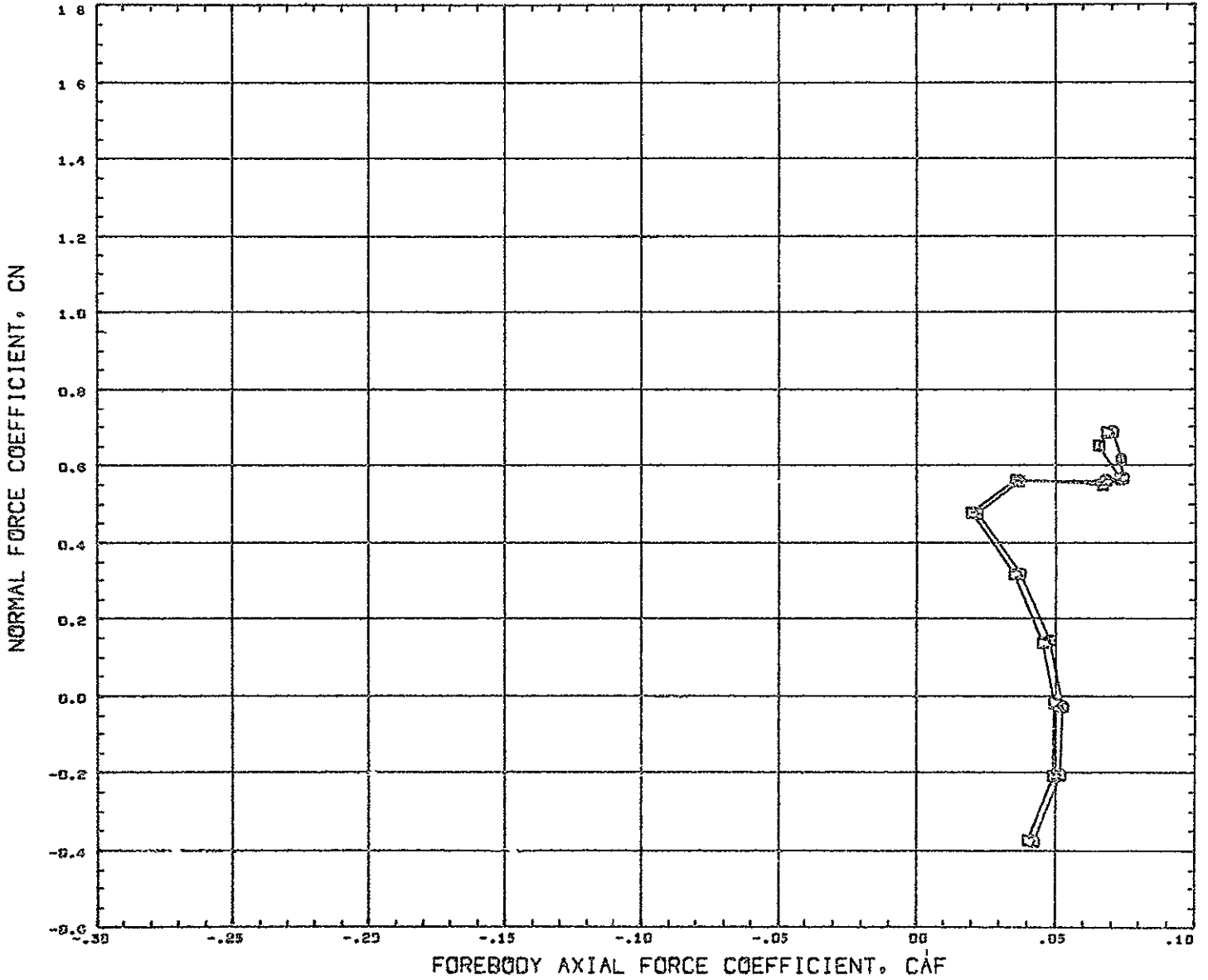
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG106)	HAAL 632 SSV-STR WING FORCE-NAC B5N6V10W12E12V5	BFTA 0.000 HOP 0.000	PEFS 0 1790 SQ FT
(PC6107)	HAAL 632 SSV-STR WING FORCE-NAC B6N W10H12E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

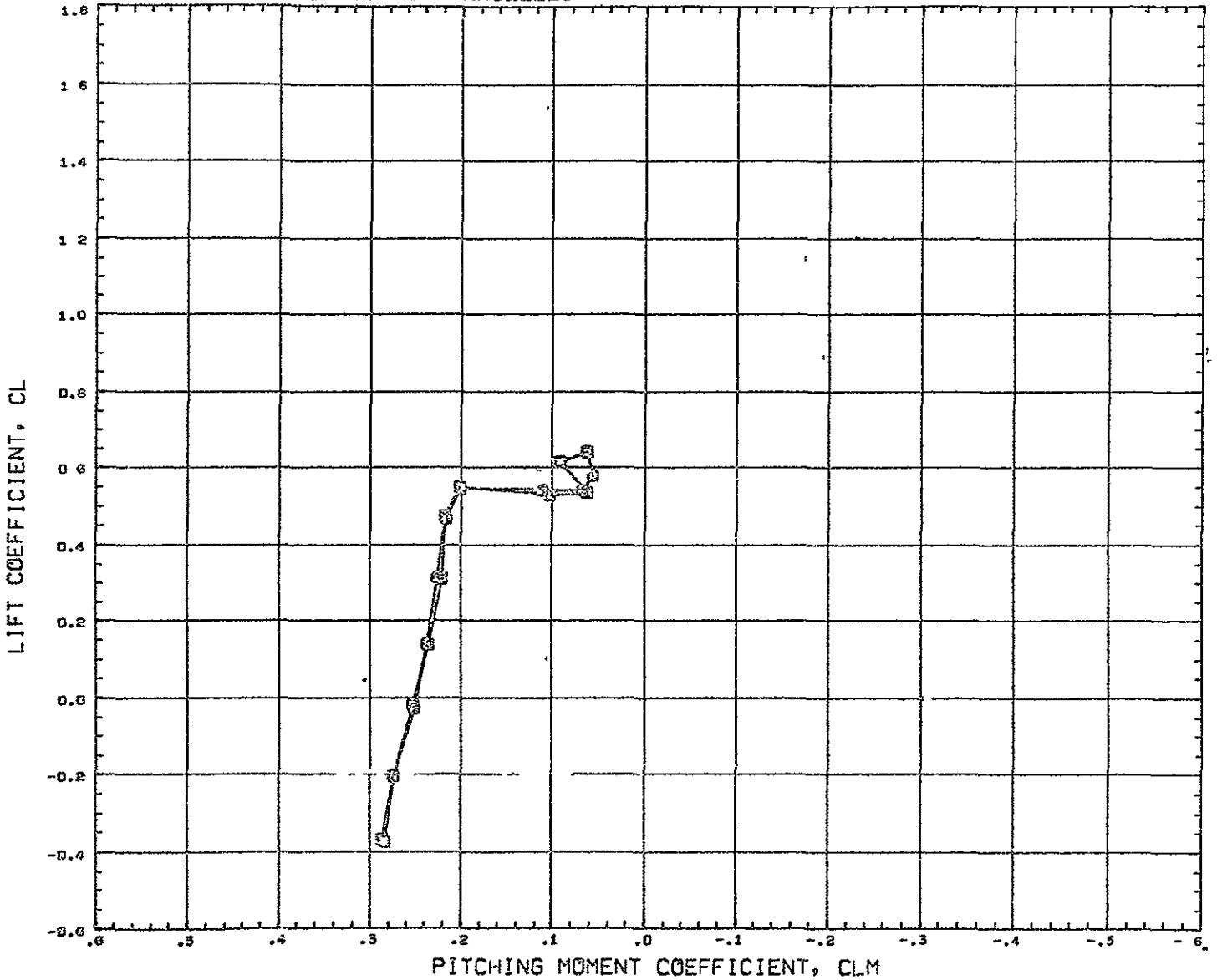
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC108)	HAAL 632 SSV-STR WING FORCE-NAC B6H6U1DH12E12V5	BSTA 0.000 HOR	REFS 0 1790 SQ FT
(RCC107)	NAAL 632 SSJ-STR WING FORCE-NAC B5N W1DH12E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0.259

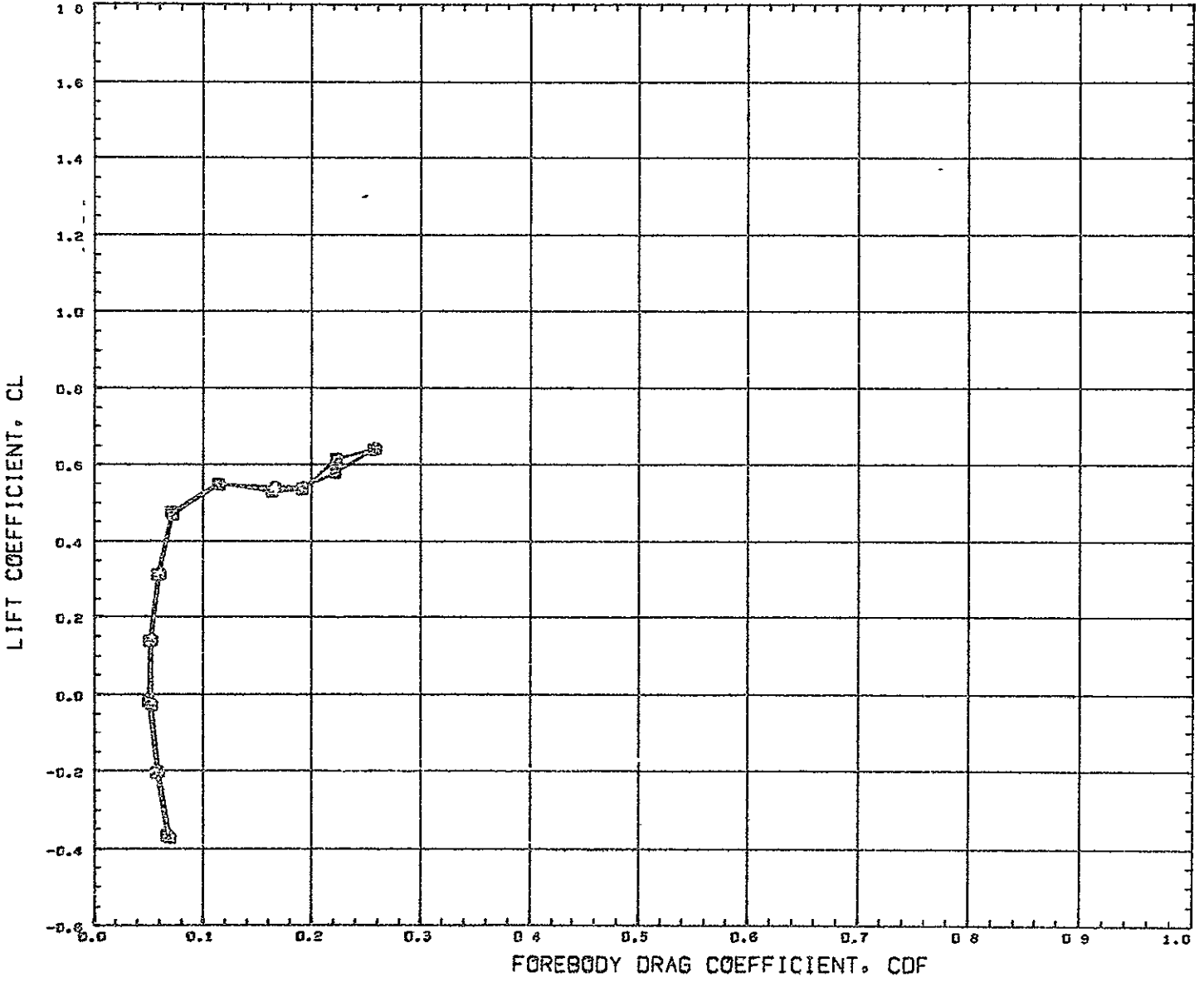
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG108)	NAAL G32 SSV-STR WING FORCE-NAC 6645W10H12E.2V5	BETA 0.000 HOR	REFS 0 1790 SQ FT
(RCG107)	NAAL G32 SSV-STR WING FORCE-NAC 6645W10H12E.2V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			PEFB 11 3390 INCHES
			XMRP 9.8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

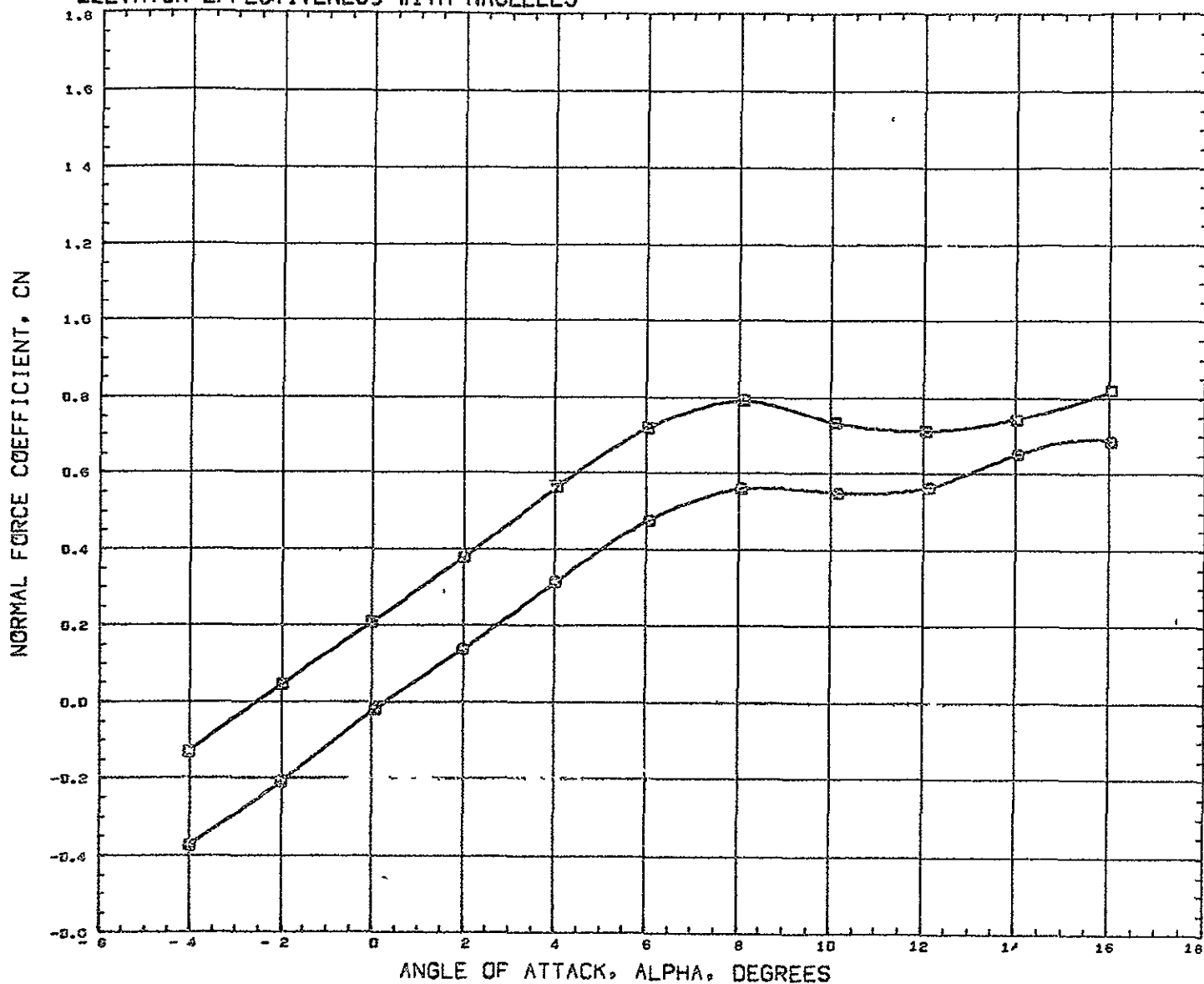
ELEVATOR EFFECTIVENESS WITH NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG106)	NAAL 632 SSV-STR WING FORCE-NAC 8676W1DH22E12V5	BETA 0.000 HOR	PEFS 0 1790 SQ FT
(RCG107)	NAAL 632 SSV-STR WING FORCE-NAC 8676W1DH22E12V5	ELEVTR - 10 000	REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0.0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

ELEVATOR EFFECTIVENESS WITH NACELLES

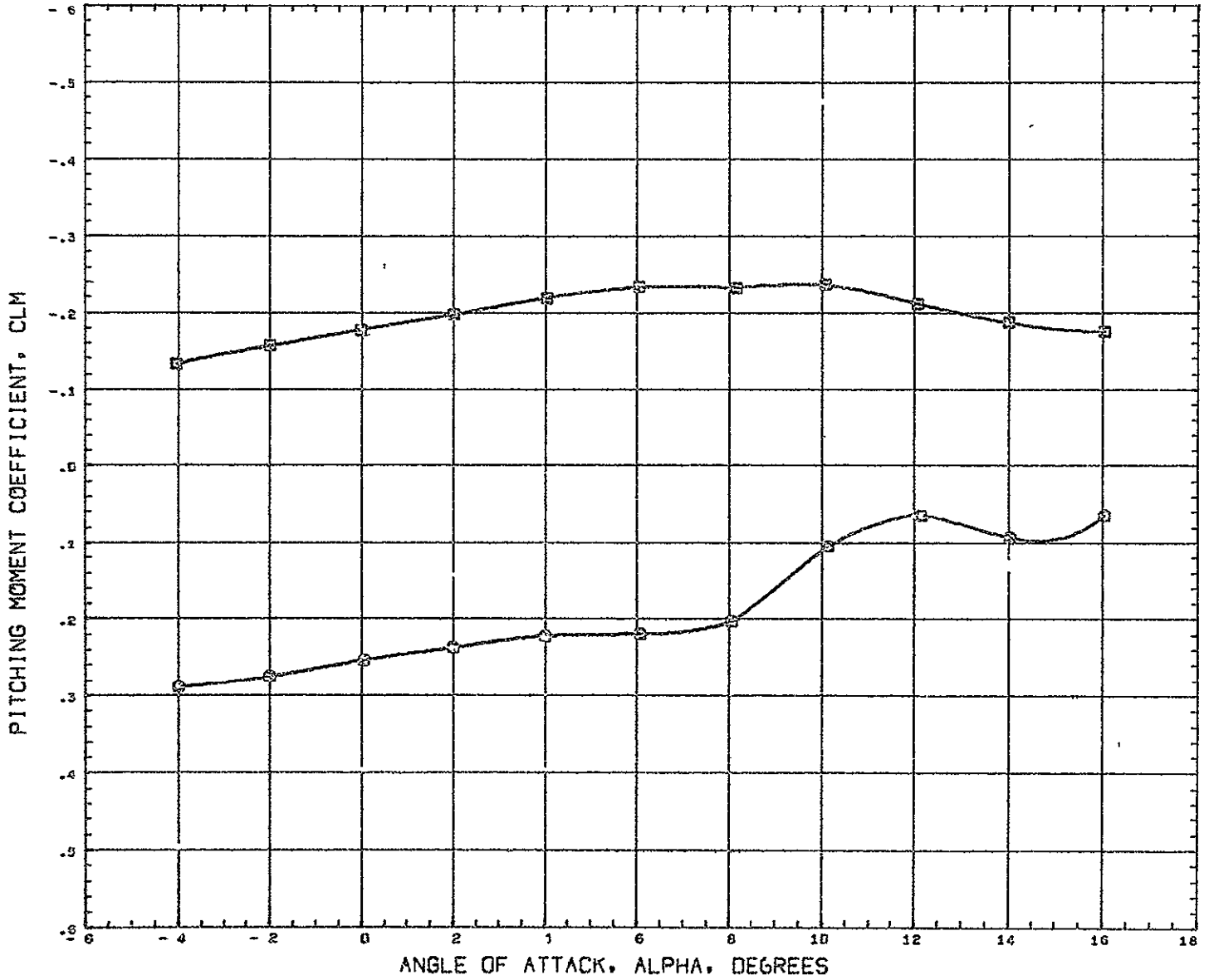


SYMBOL	ELEVTR		PARAMETRIC VALUES	
○	- 10.000	HACH	0.235	BETA 0.000
□	10.000	HCR	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRF	9 8400	INCHES
YNRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

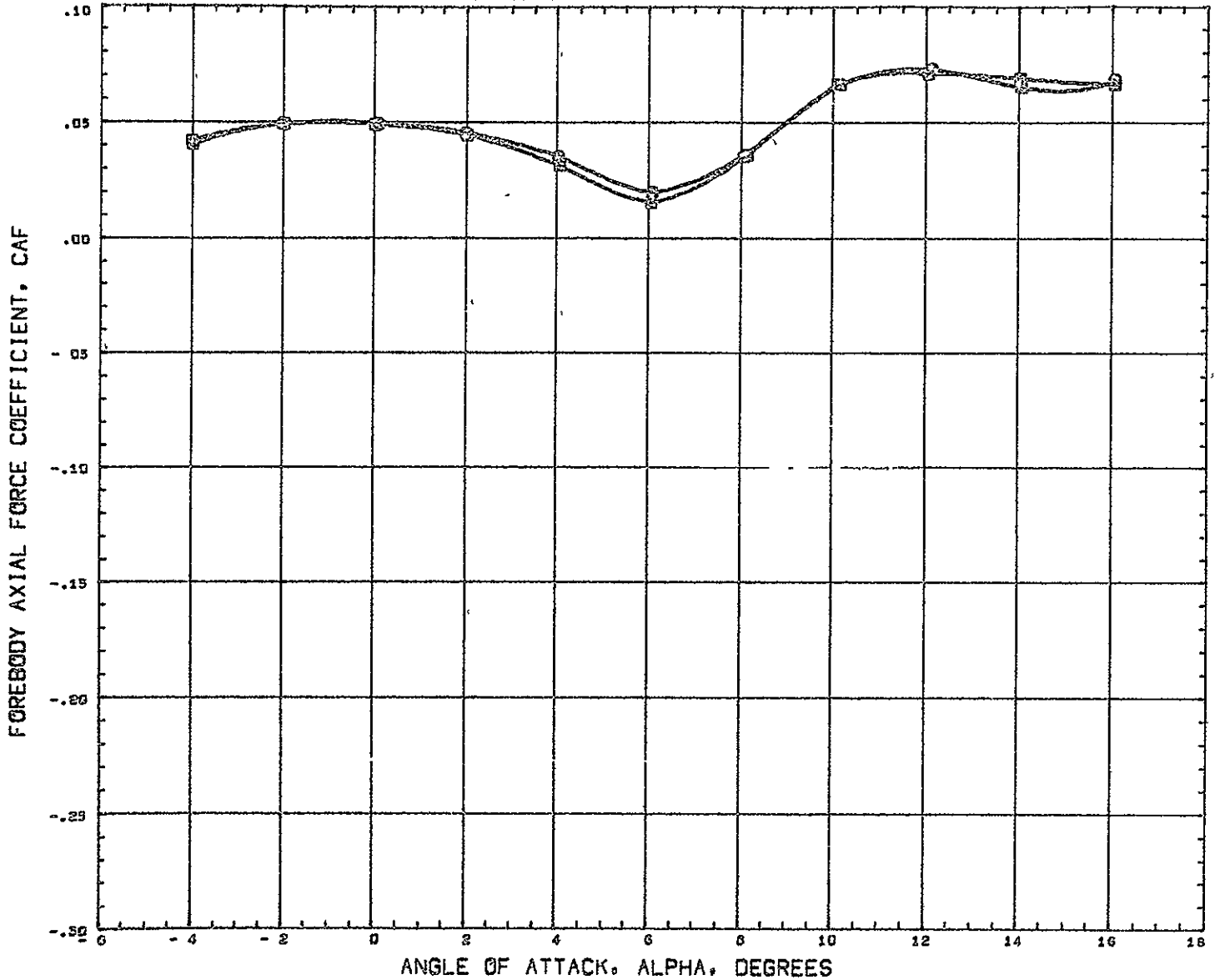


SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10 000	MACH	0.250	BETA	0 000
□	10 000	MOR	0 000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NA4L 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

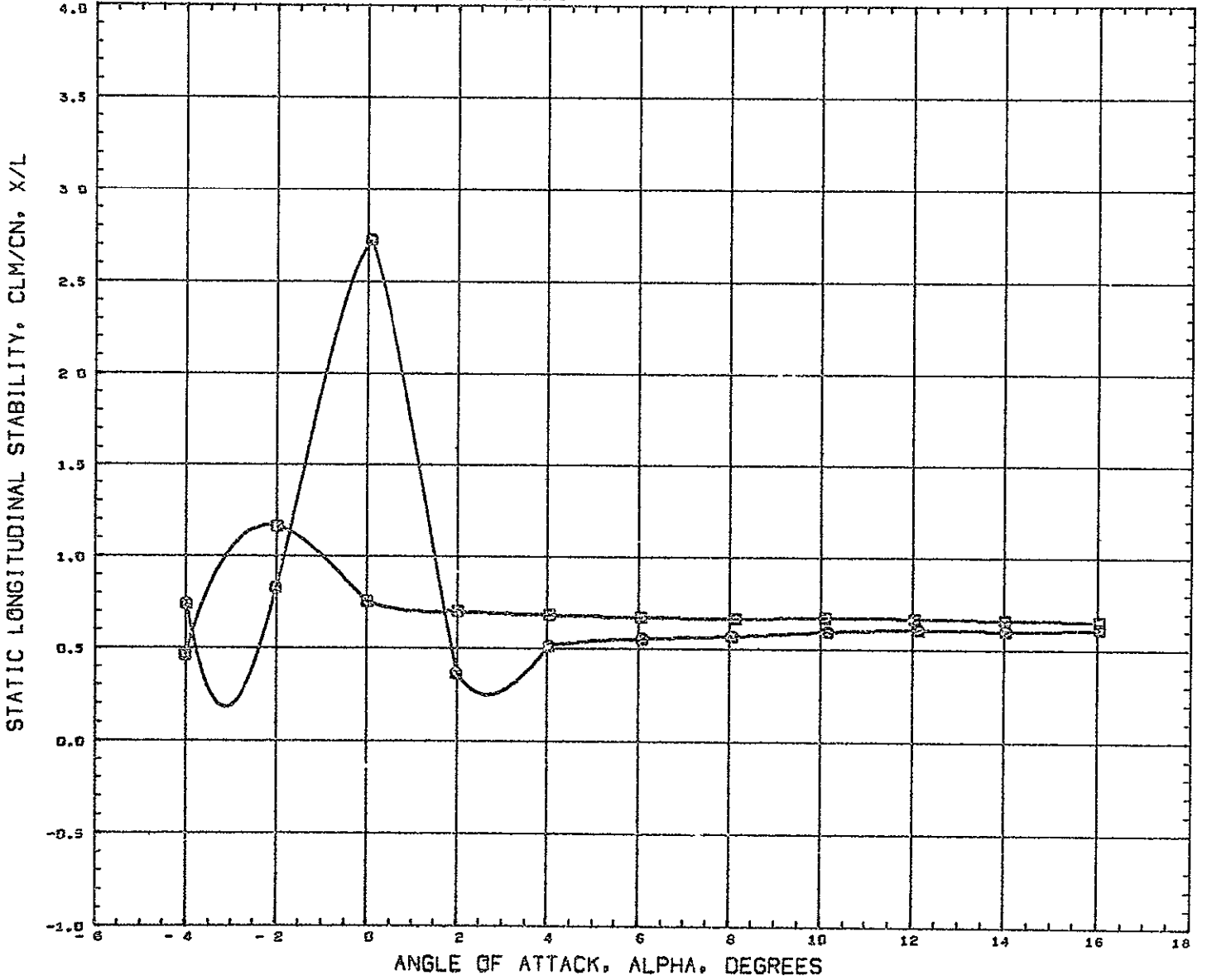


SYMBOL	ELEVTR	PARAMETRIC VALUES			
□	- 10.000	MACH	0.259	BETA	0.000
□	10.000	MCR	0.000		

REFERENCE INFORMATION		
REFS	0.1790	SQ.FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

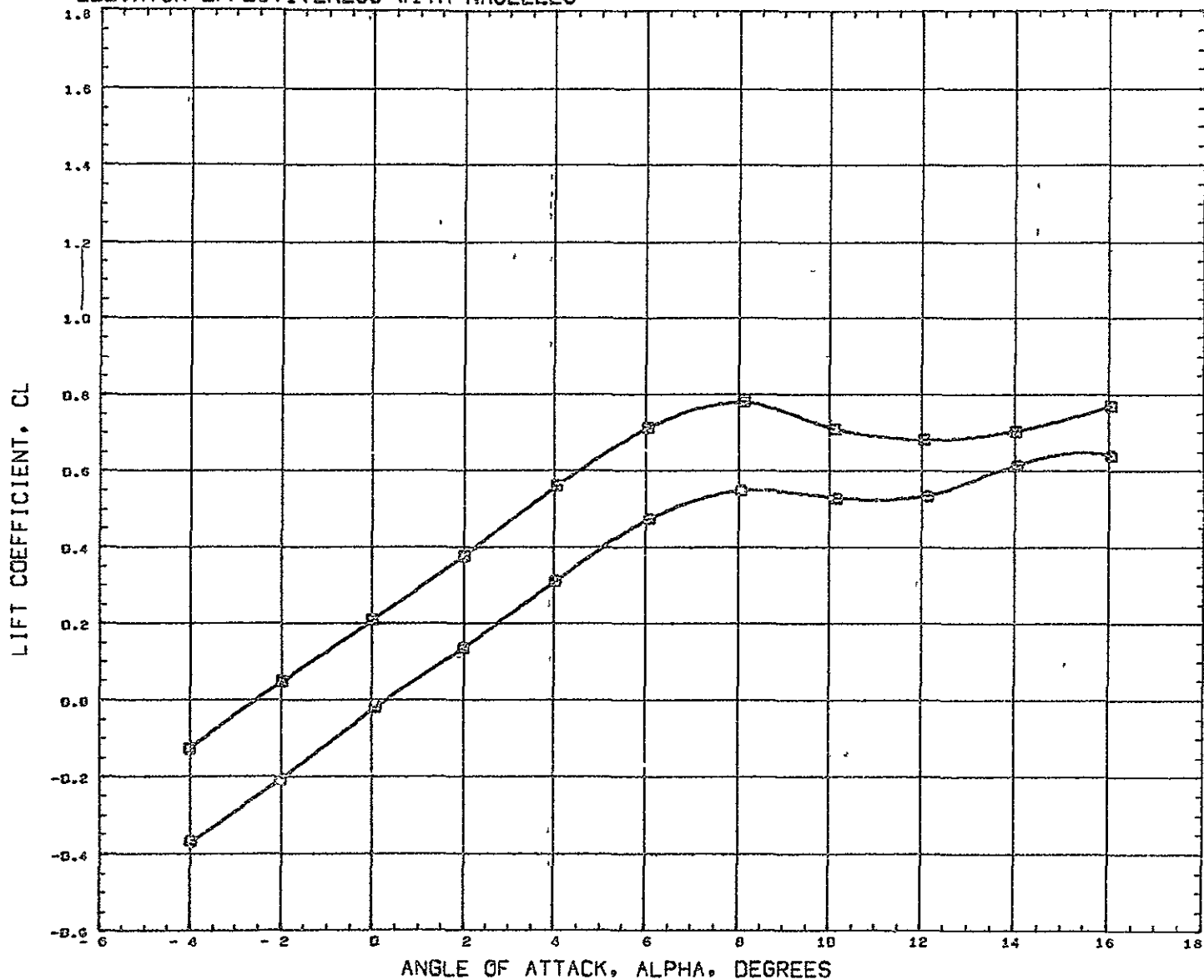


SYMBOL ELEVTR PARAMETRIC VALUES
 ○ - 10.000 MACH 0.259 BETA 0.000
 □ 10.000 HOR 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15,7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

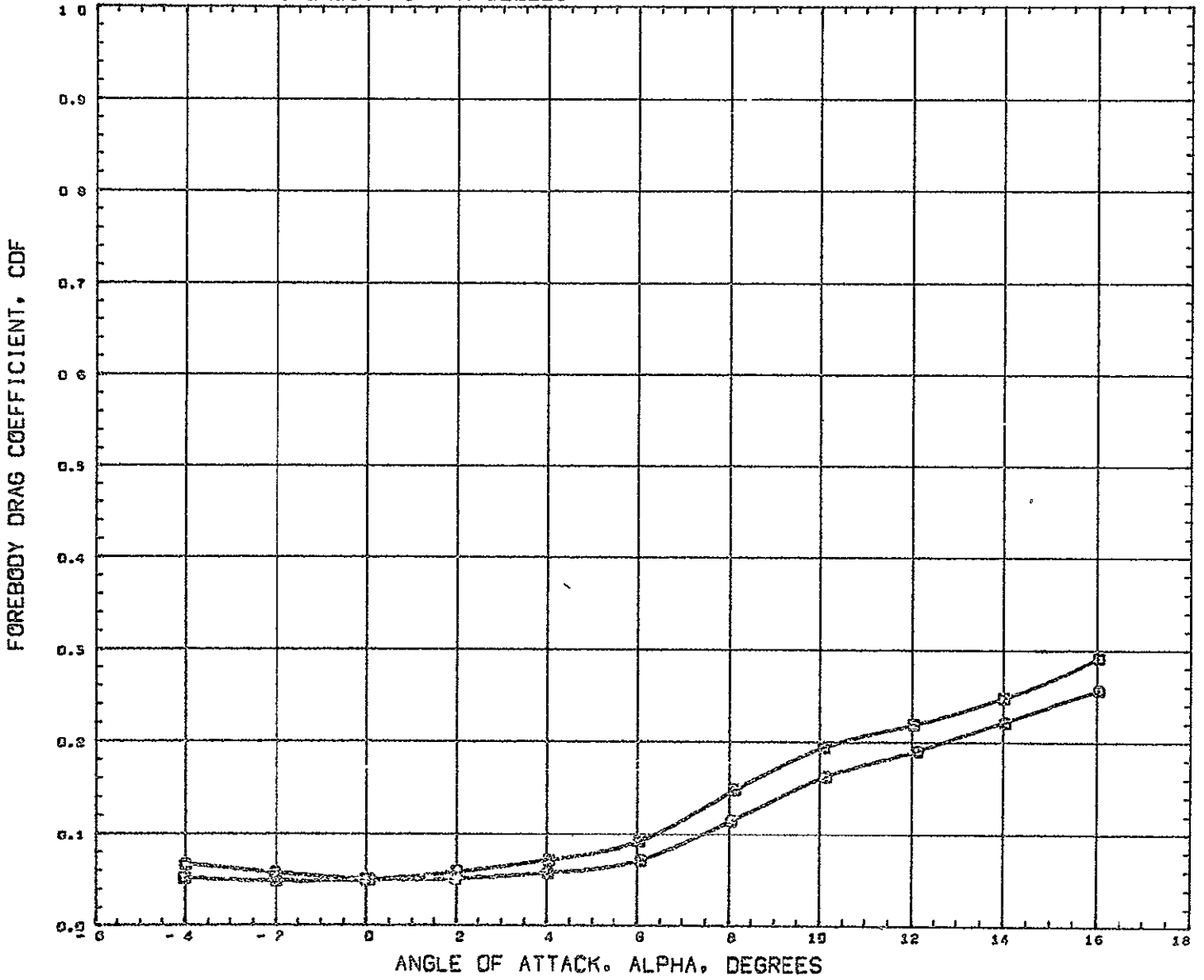


SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10.000	NACH	0 259	BETA	0 000
□	10.000	KOR	0 000		

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

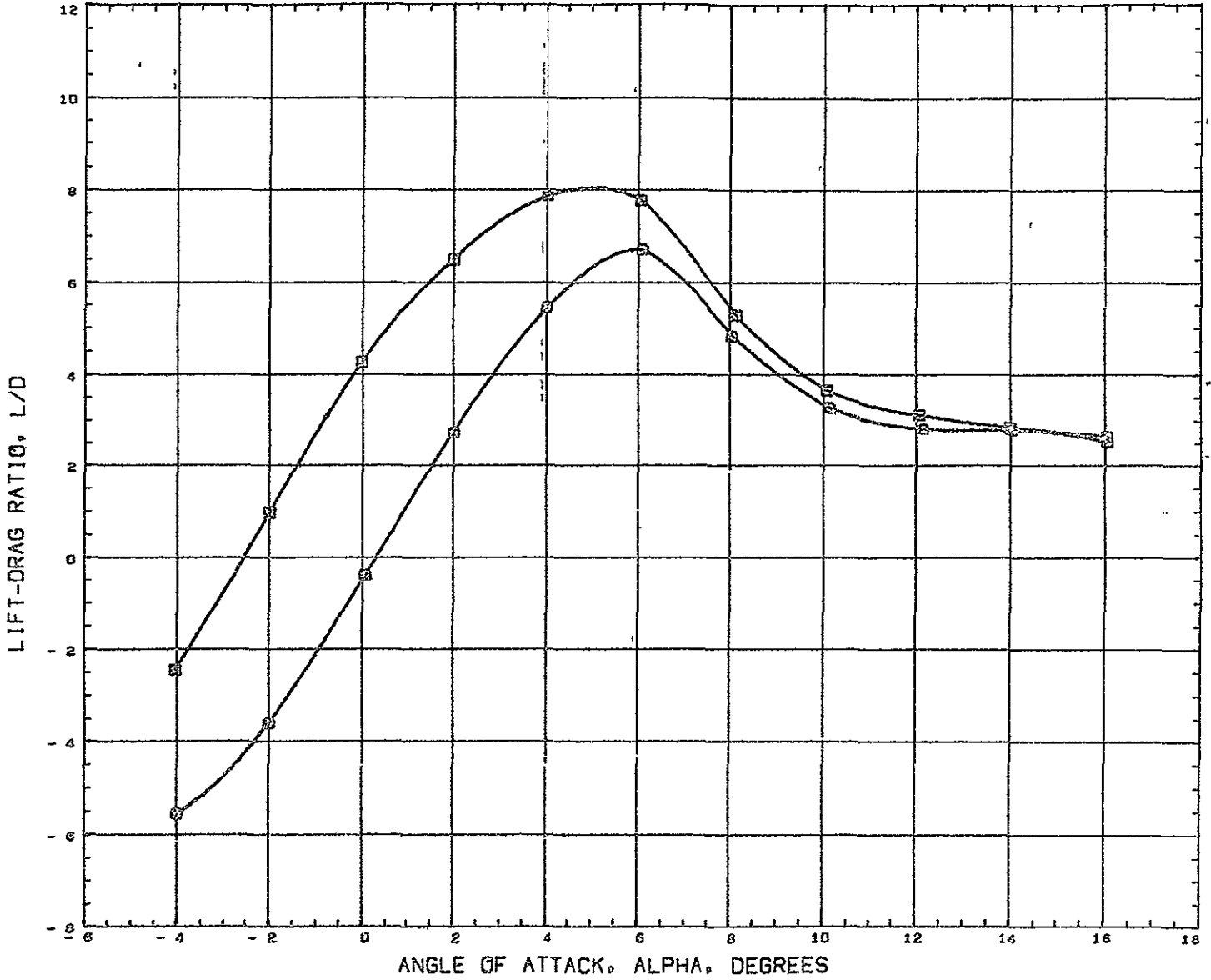


SYMBOL	CLEVER	PARAMETRIC VALUES			
○	- 10.000	MACH	0.259	BETA	0.000
□	10.000	HOR	0.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

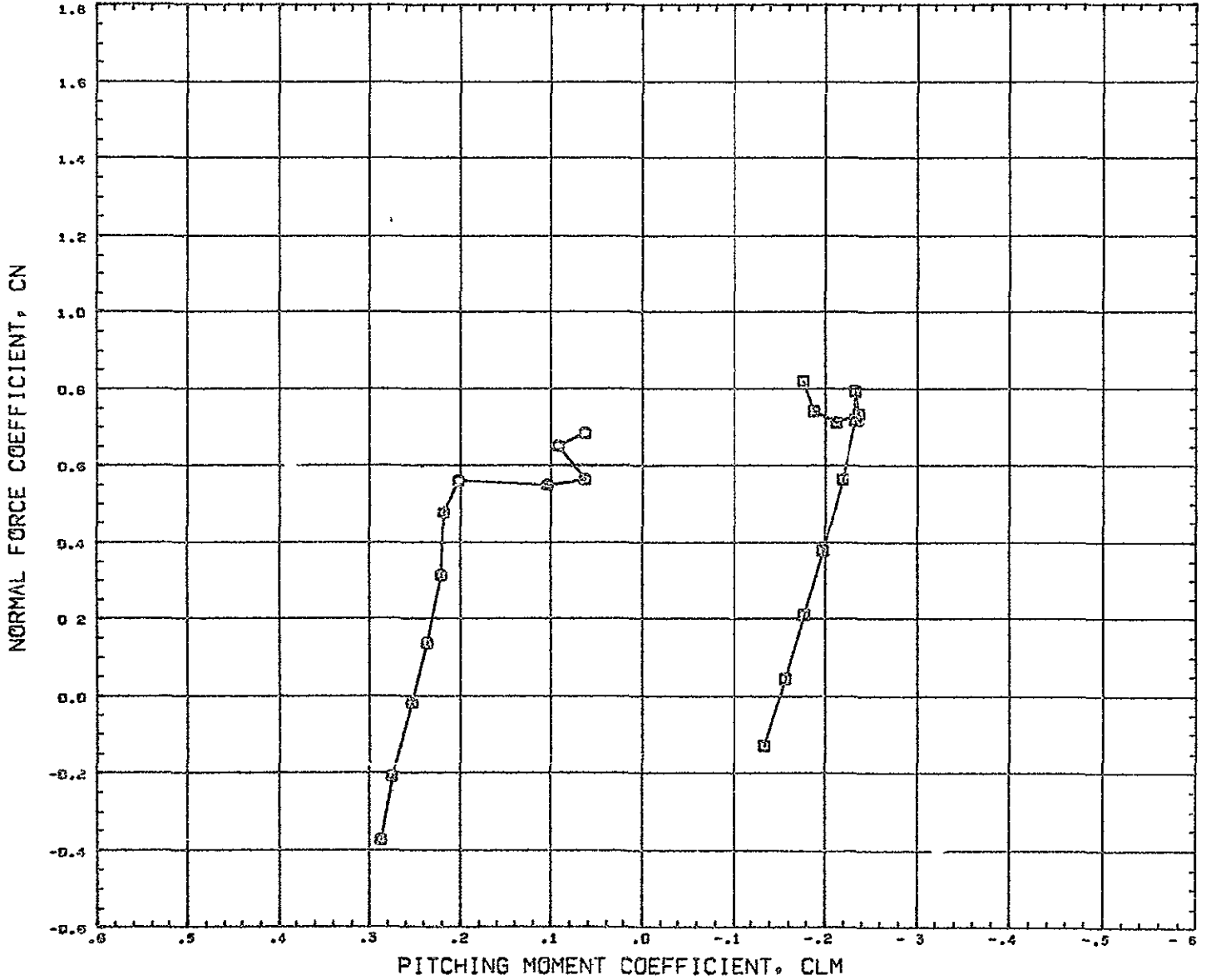


SYMBOL	ELE/TR	PARAMETRIC VALUES		
○	- 10.000	MACH	0.259	BETA 0.000
□	10.000	MCR	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES



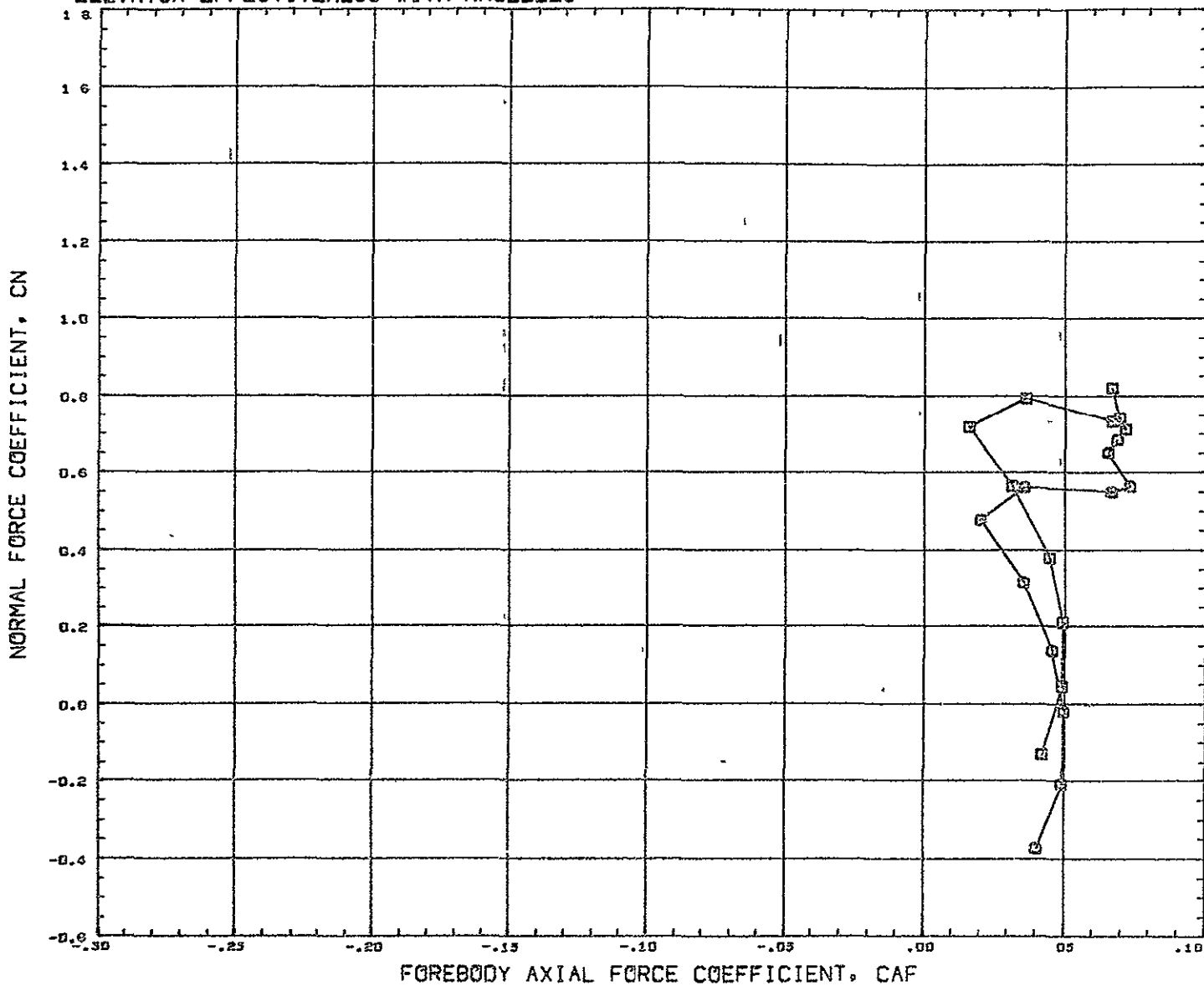
SYMBOL	ELEVTR	PARAMETRIC VALUES
○	- 10.000 NACH	0.259 BETA 0.000
□	10.000 POR	0.000

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRF	9 8400	INCHES
YHRF	0 0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73



ELEVATOR EFFECTIVENESS WITH NACELLES



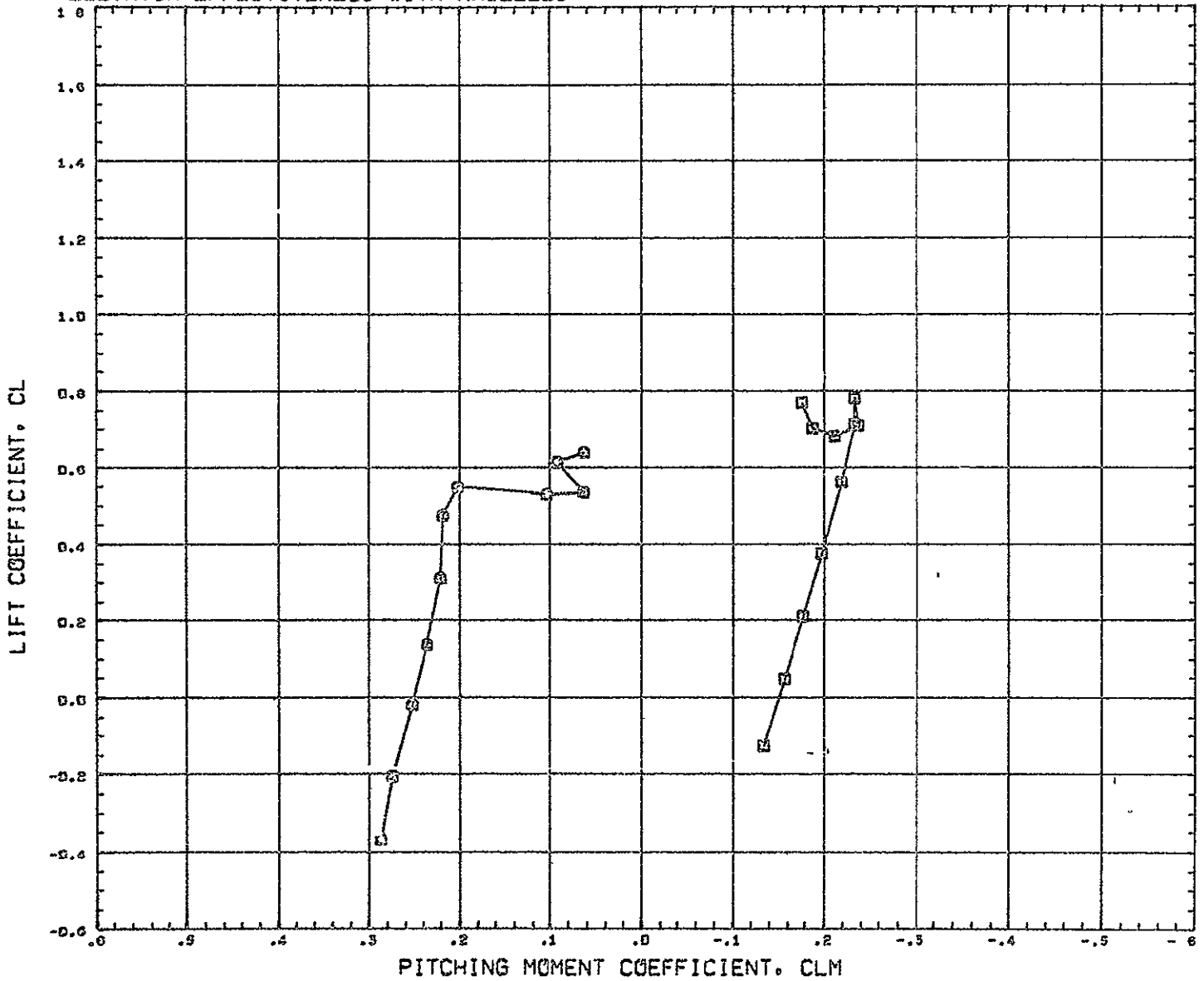
SYMBOL	ELEVTR	PARAMETRIC VALUES		
○	- 10.000	HACH	0.255	BETA 0.036
□	10.000	HOR	0.000	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73 1

4-7022

ELEVATOR EFFECTIVENESS WITH NACELLES

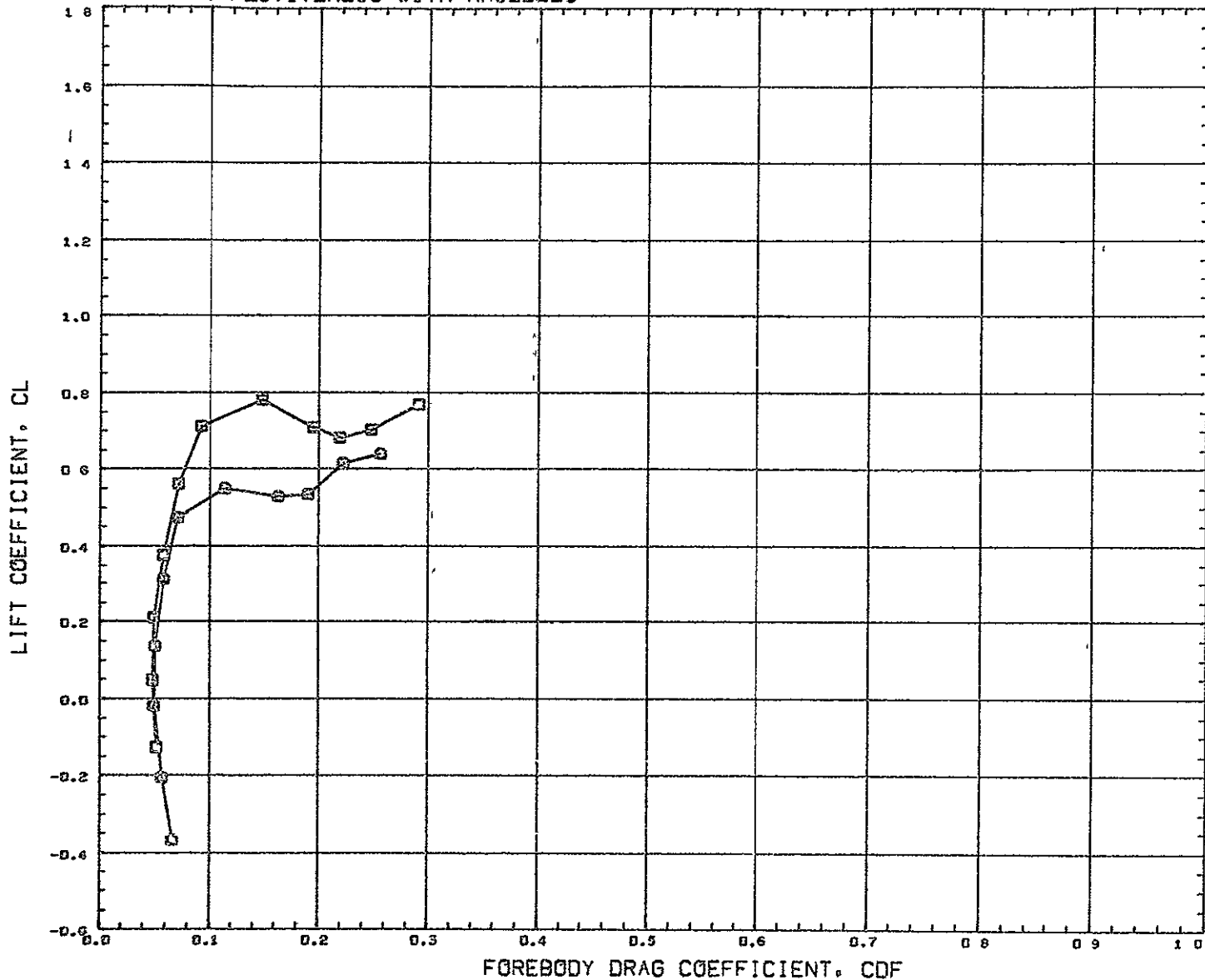


SYMBOL	ELEVTR	PARAMETRIC VALUES			
○	- 10.000	NACH	0.250	BETA	0.000
□	10.000	HOR	0.000		

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

REFERENCE FILE NAAL 632 NA-70-73

ELEVATOR EFFECTIVENESS WITH NACELLES

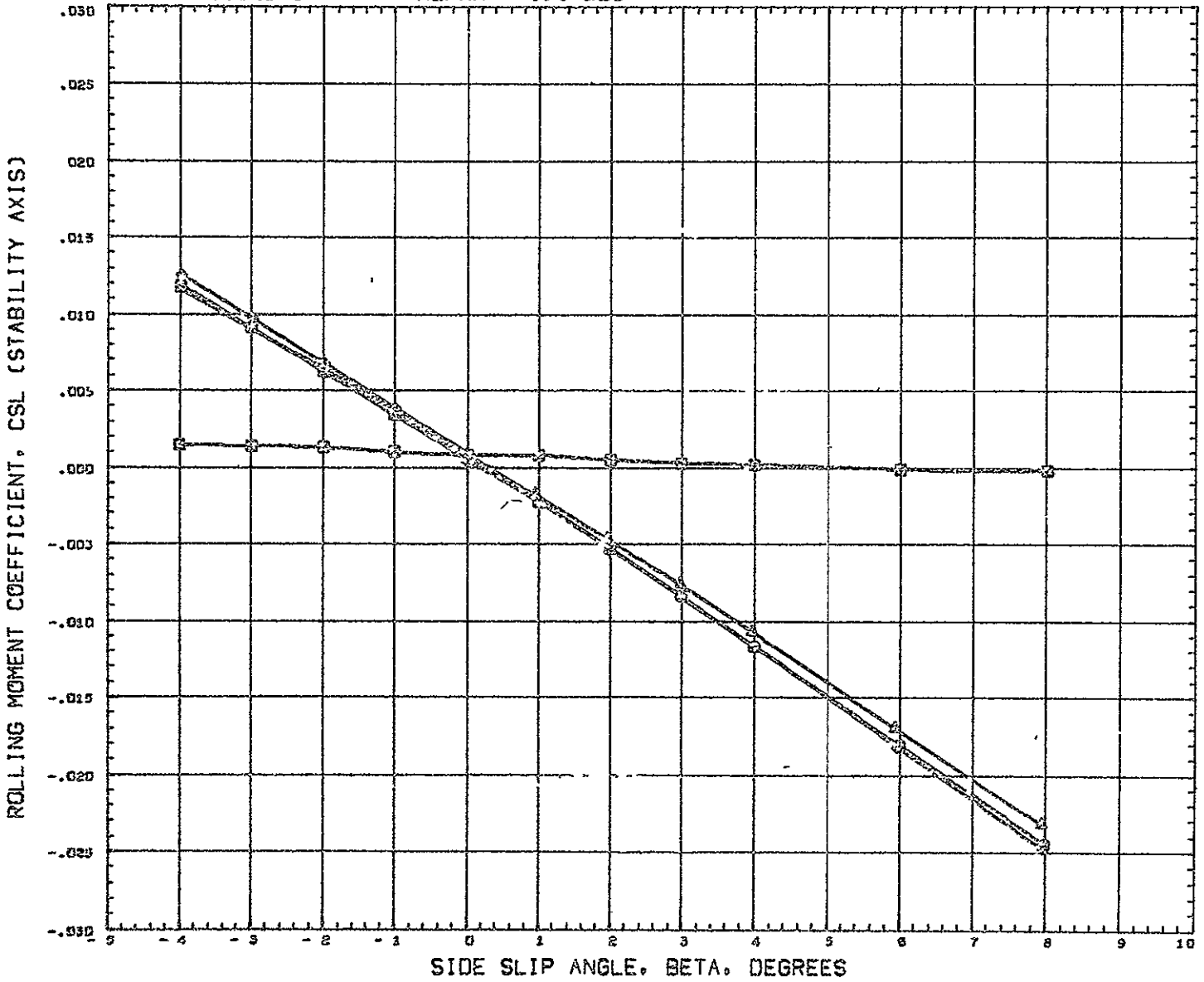


SYMBOL ELE+1R PARAMETRIC VALUES
 □ - 10 000 MACH 0.259 BETA 0.000
 ○ 10 000 MOR 0.000

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XNRF 9 8400 INCHES
 YNRF 0 0000 INCHES
 ZNRF 0 3840 INCHES
 SCALE 0 0076 SCALE

REFERENCE FILE NAAL 632 NA-70-73

COMPONENT BUILD UP ALPHA = 0.0 DEG

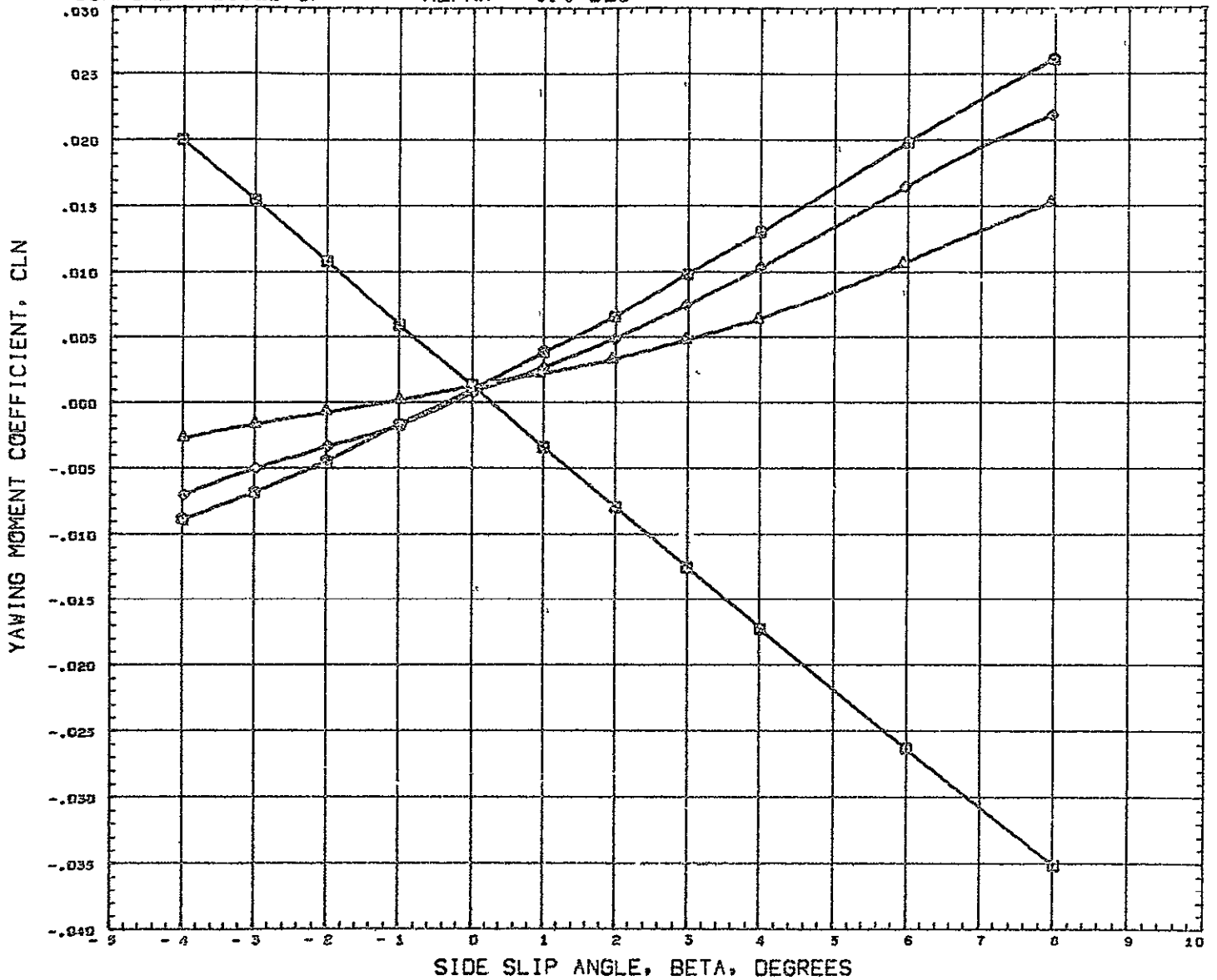


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6040)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 0.000	REFS 0 1790 SQ FT
(RC6055)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 13 7370 INCHES
(RC6003)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RC6000)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 412 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3040 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

COMPONENT BUILD UP

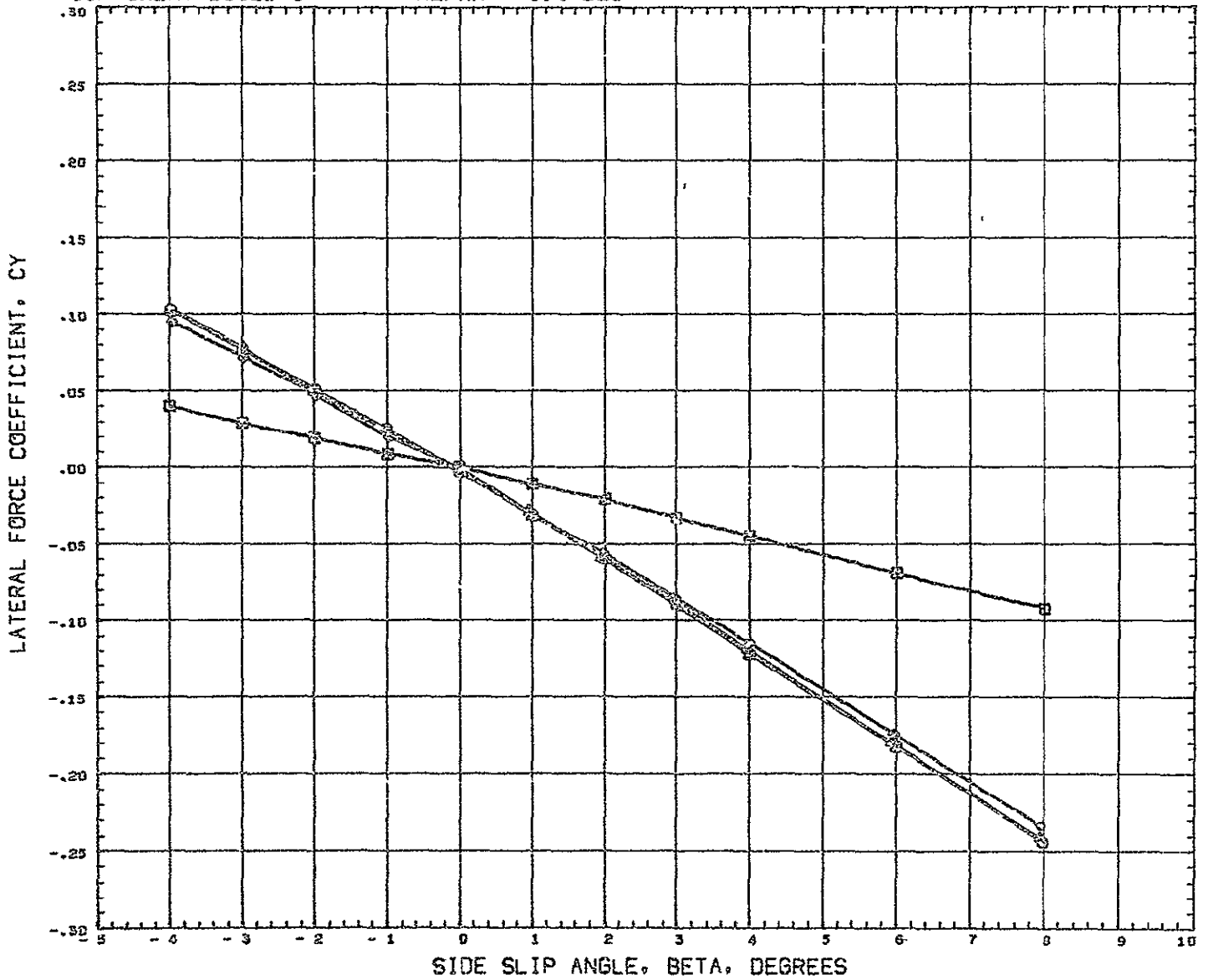
ALPHA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG040)	NAAL 632 SSV-STR WING FORCE-MAC 86 W10 V3	ALPHA 0.000	REFS 0 1790 SQ FT
(RCG033)	NAAL 632 SSV-STR WING FORCE-MAC 86 W10 H12		REFL 15 7370 INCHES
(RCG003)	NAAL 632 SSV-STR WING FORCE-MAC 88 W10 H12 V5		REFB 11 3390 INCHES
(RCG008)	NAAL 632 SSV-STR WING FORCE-MAC 88 W2 W10 H12 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILD UP ALPHA = 0.0 DEG

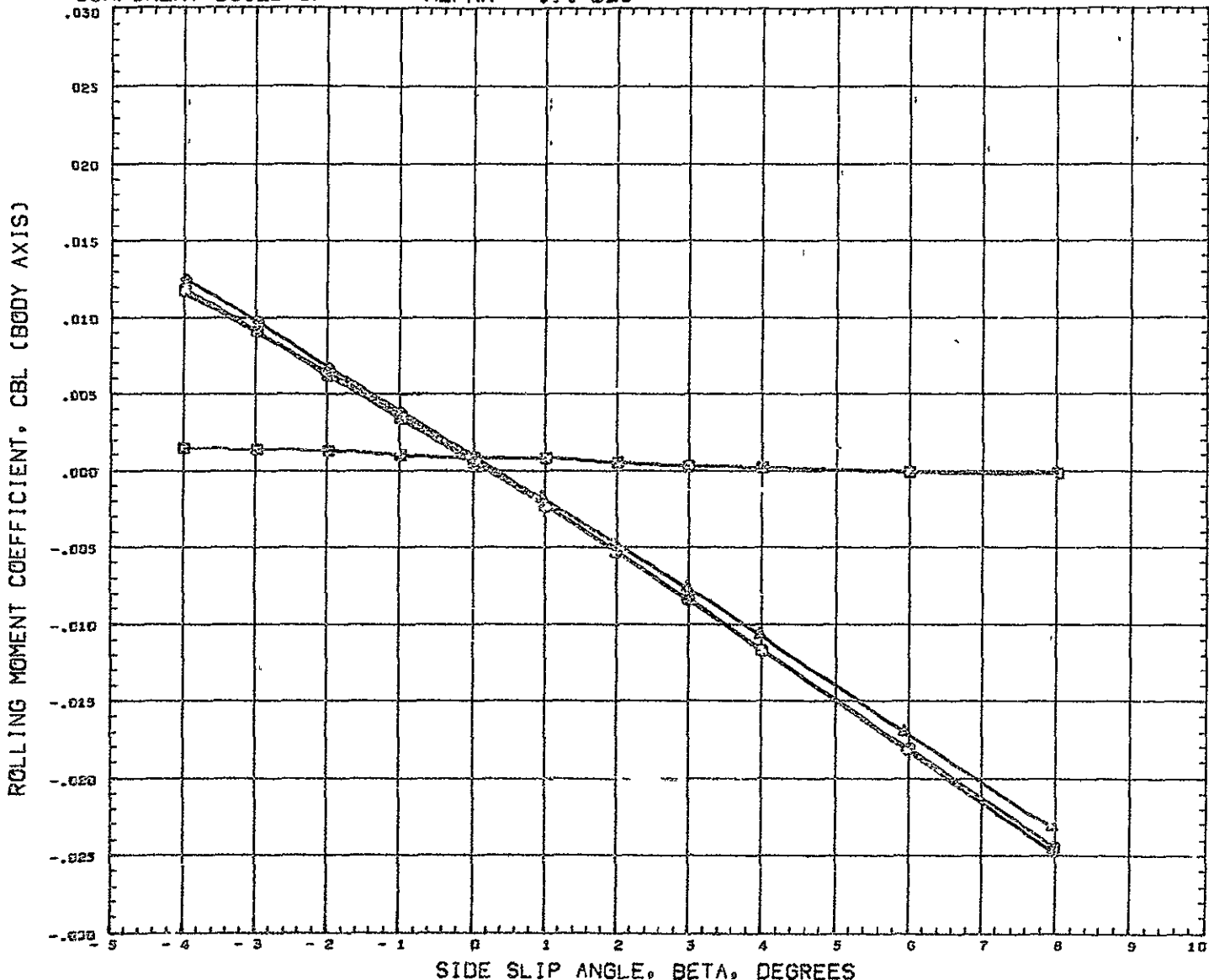


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6040)	NAAL 632 SSV-STR WING FORCE-MAC B6 W10 V5	ALPHA 0 000	REFS 0 179J SQ FT
(RC6033)	NAAL 632 SSV-STR WING FORCE-MAC B6 W10 H12		REFL 15 7370 INCHES
(RC6003)	NAAL 632 SSV-STR WING FORCE-MAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RC6008)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259



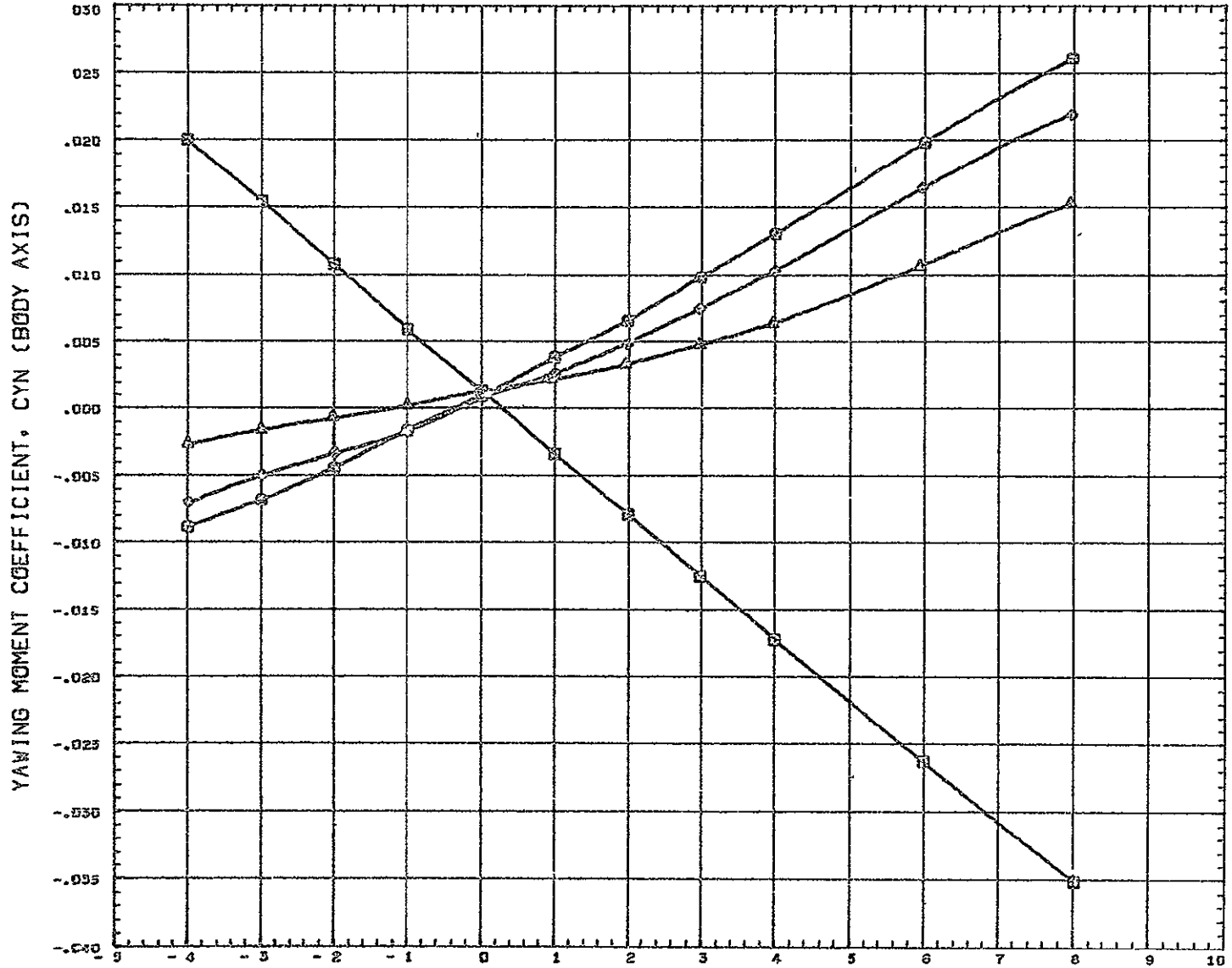
COMPONENT BUILD UP ALPHA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6010)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 0 000	REFS 0 1790 SQ FT
(TC6035)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		REFL 15 7370 INCHES
(TC6005)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(TC6005)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILD UP ALPHA = 0.0 DEG

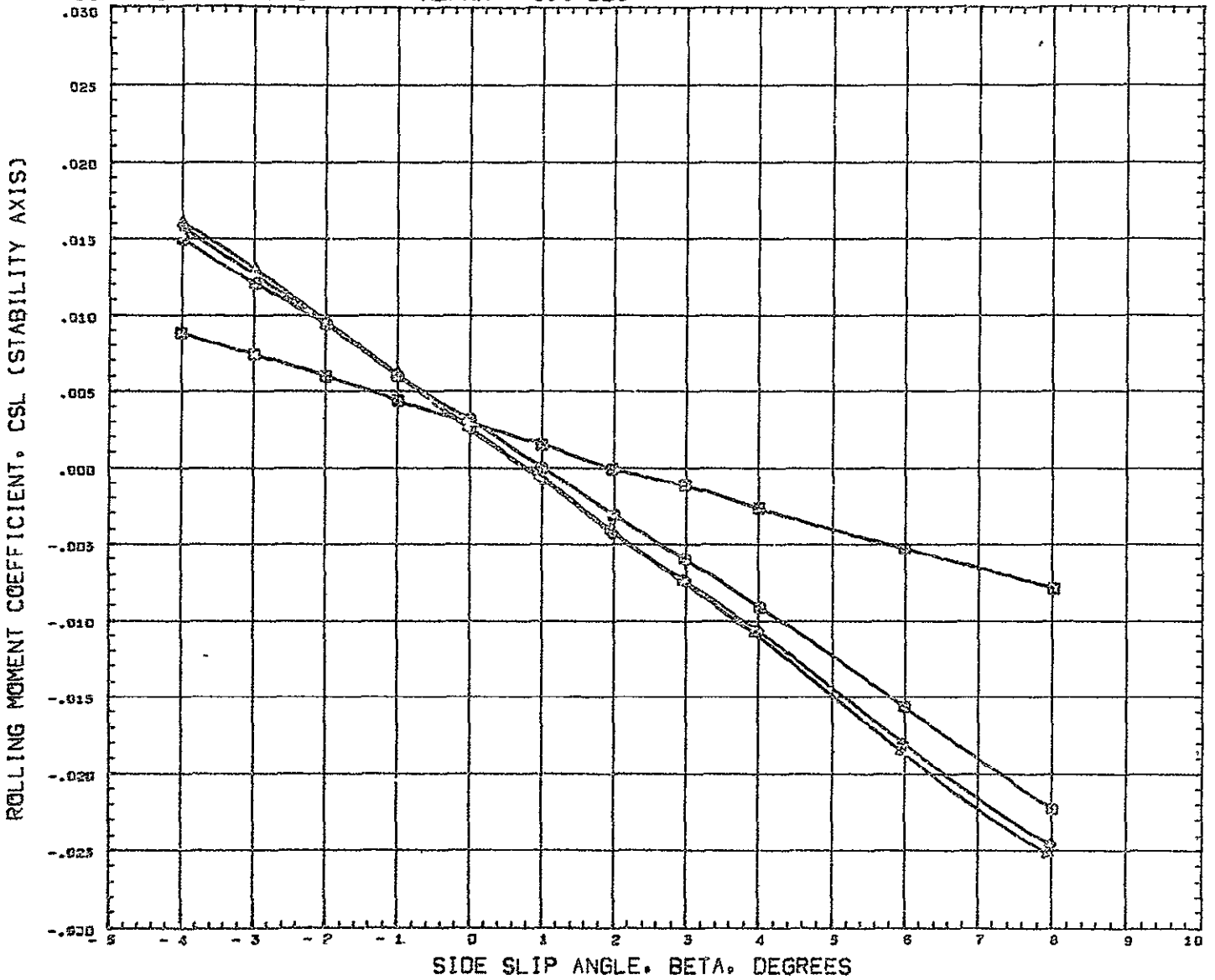


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6048)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 0 000	PEFS 0 1790 SQ FT
(TC6033)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12		PEFL 15 7370 INCHES
(TC6005)	○ NAAL 632 SSV-STR WING FORCE-NAC B8 W10 H12 V5		REFB 11 3390 INCHES
(TC6008)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

COMPONENT BUILD UP

ALPHA = 6.0 DEG

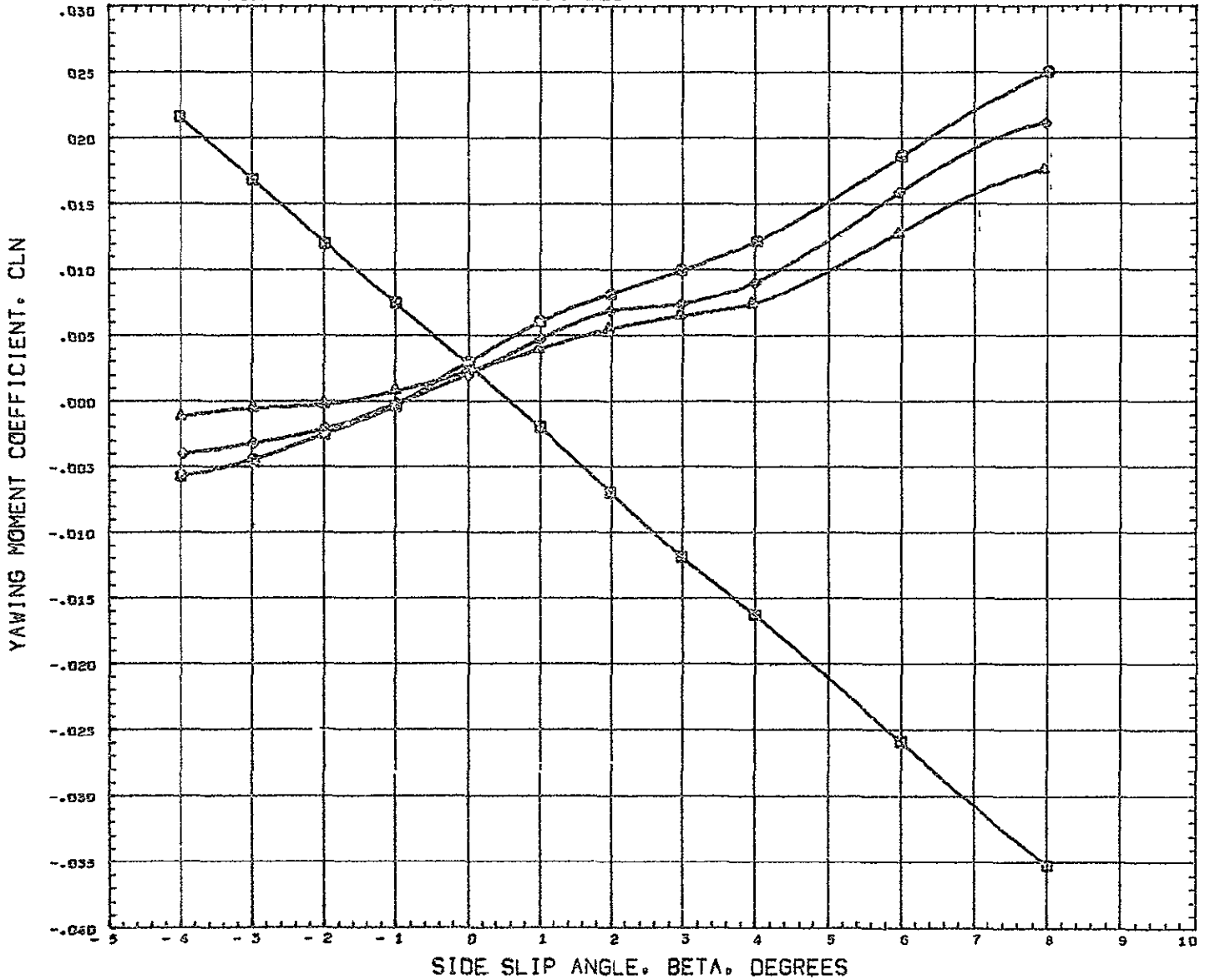


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG049)	NAAL 032 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 6.000
(RCG034)	NAAL 032 SSV-STR WING FORCE-NAC B6 W10 H12	
(RCG004)	NAAL 032 SSV-STR WING FORCE-NAC B6 W10 H12 V5	
(RCG000)	NAAL 032 SSV-STR WING FORCE-NAC B6 H2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

HACH 0 259

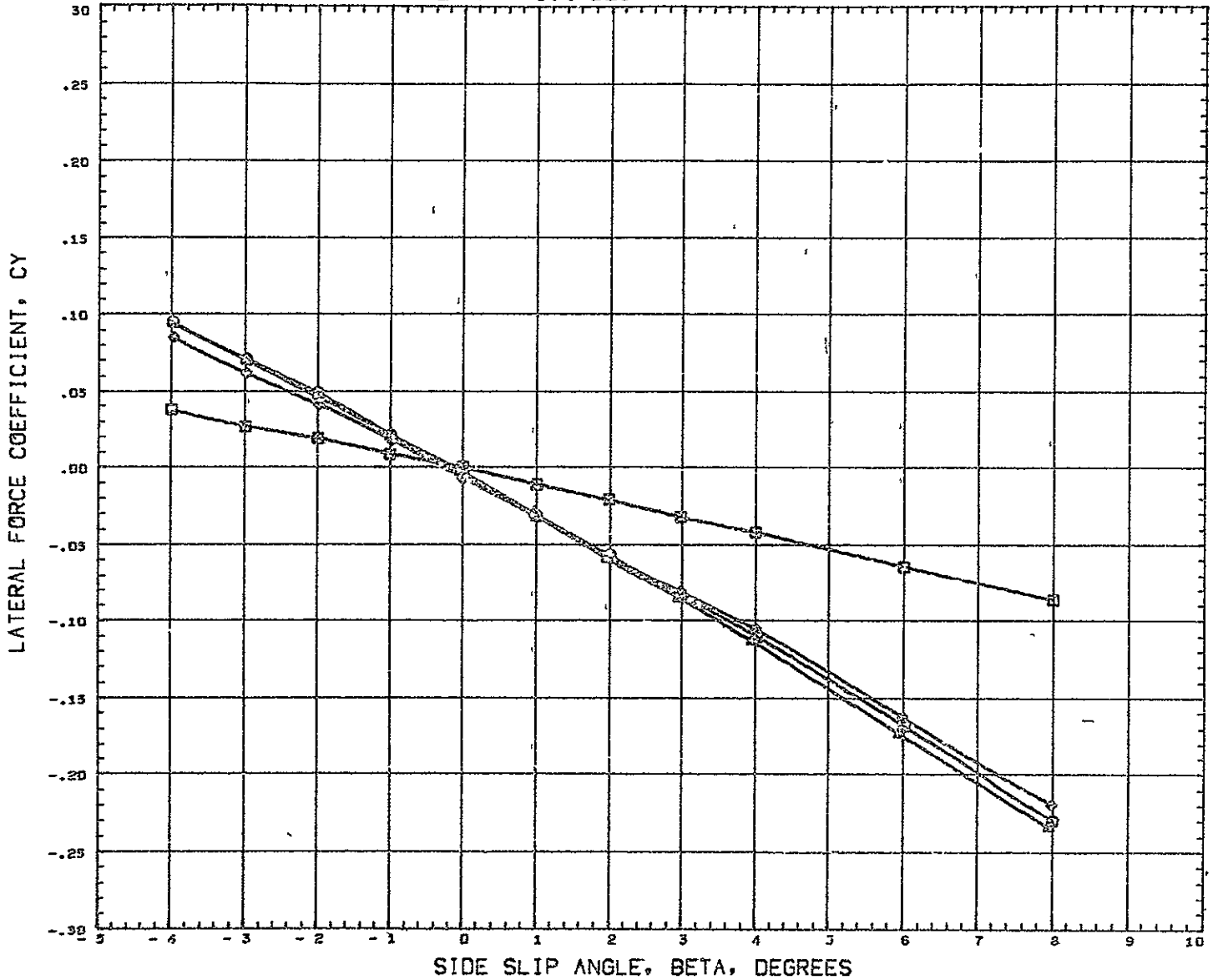
COMPONENT BUILD UP ALPHA = 6.0 DEG



DATA SET, SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG049) □	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 6.0 DEG	PEFS 0 1790 SQ.FT.
(RCG033) □	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12	S DOC	PEFL 15 7370 INCHES
(RCG004) ◇	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5		REFB 11 3390 INCHES
(RCG005) △	NAAL 632 SSV-STR WING FORCE-NAC B6 H2 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

COMPONENT BUILD UP ALPHA = 6.0 DEG

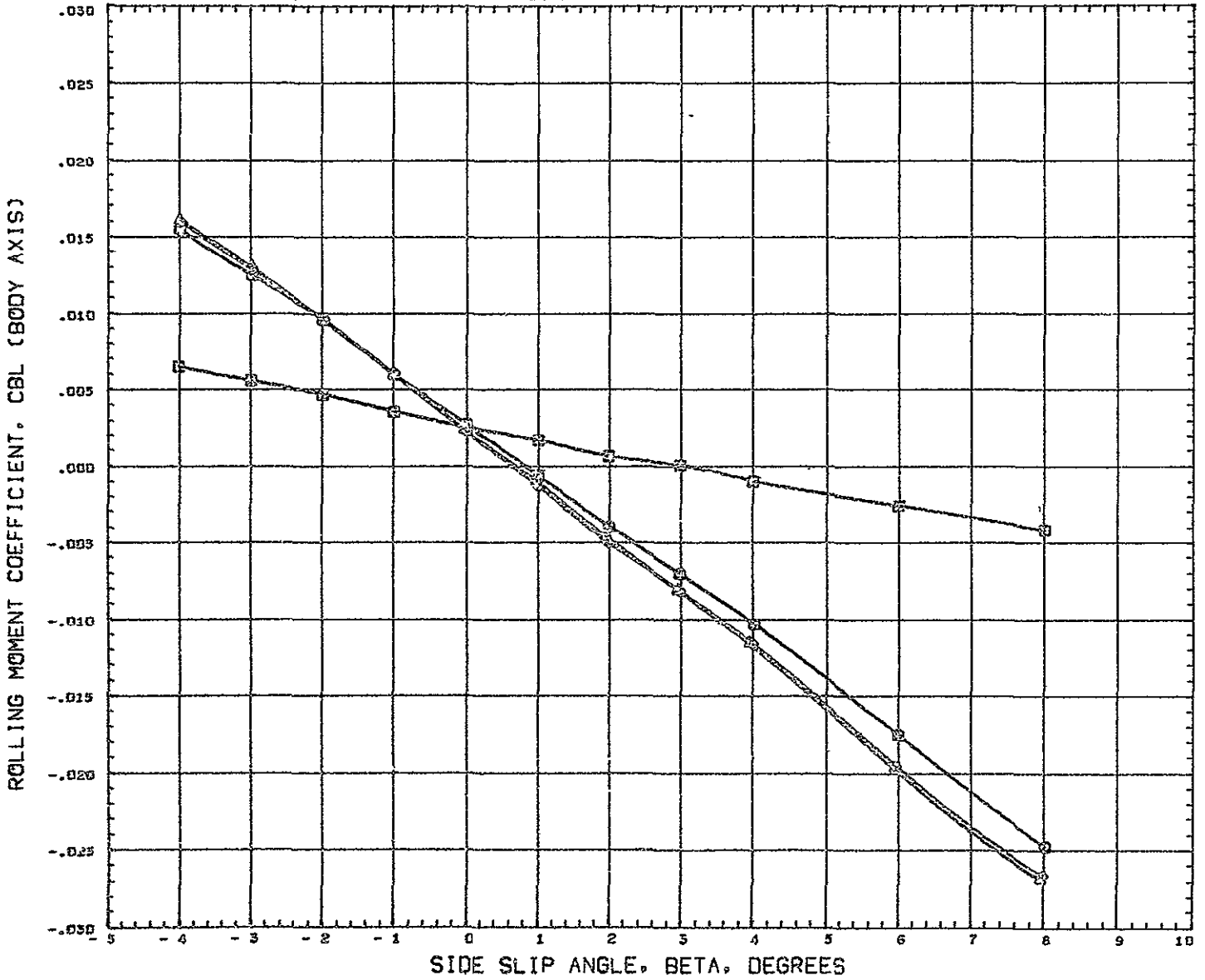


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6049)	○	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 6.000
(RC6034)	□	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12	
(RC6004)	◇	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	
(RC6000)	△	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMPP	9	6400 INCHES
YHRP	0	0000 INCHES
ZNRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0 239

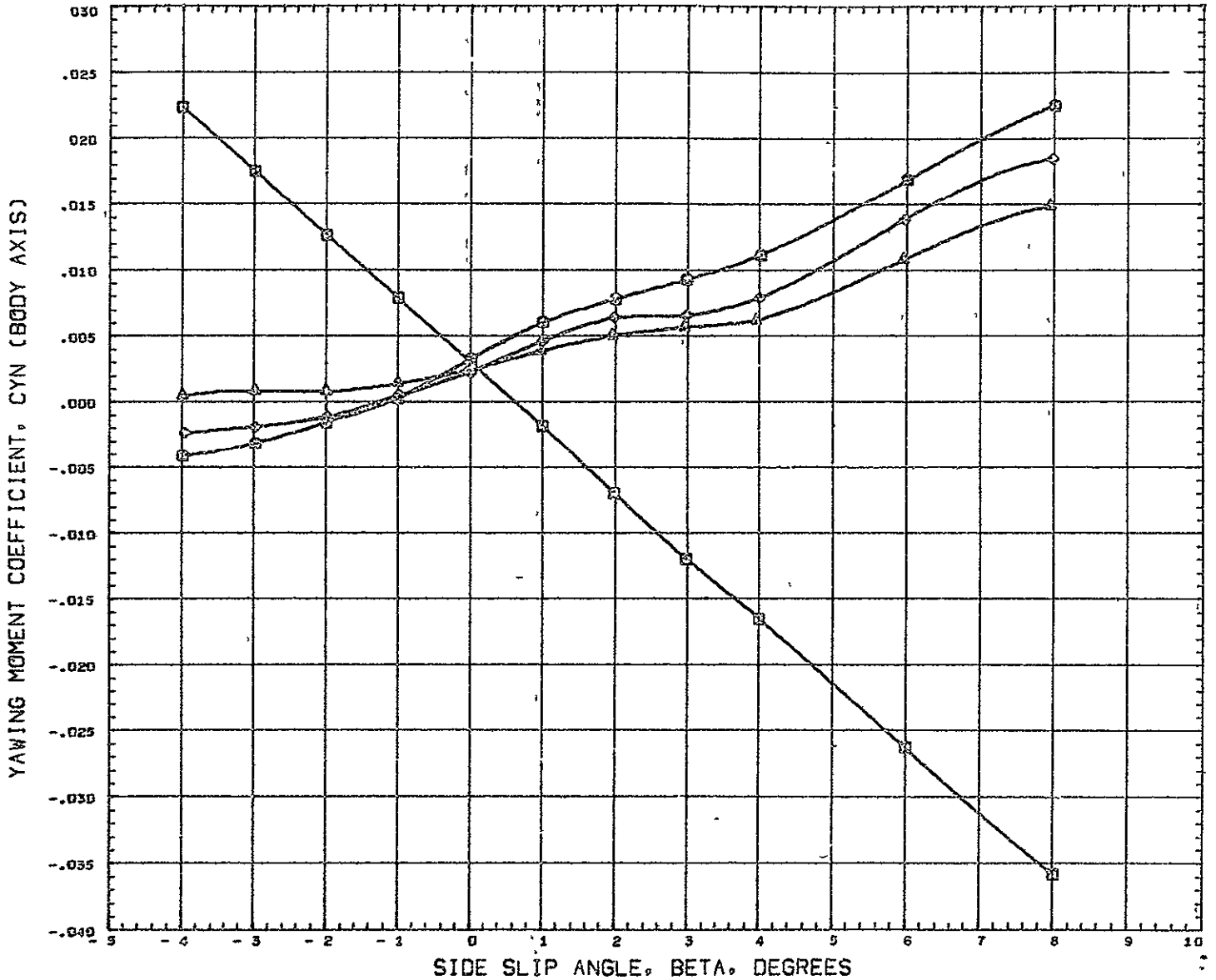
COMPONENT BUILD UP ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6049)	NAAL 632 SSV-STR WING FORCE-MAC B6 W10 V5	AL _{0.00} 6 000	REFS 0 1790 SQ FT
(TC6034)	NAAL 632 SSV-STR WING FORCE-MAC B6 W10 H12		REFL 15 7370 INCHES
(TC6004)	NAAL 632 SSV-STR WING FORCE-MAC B6 W10 H12 V5		REFB 11 3390 INCHES
(TC6009)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12 V5		XMPF 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

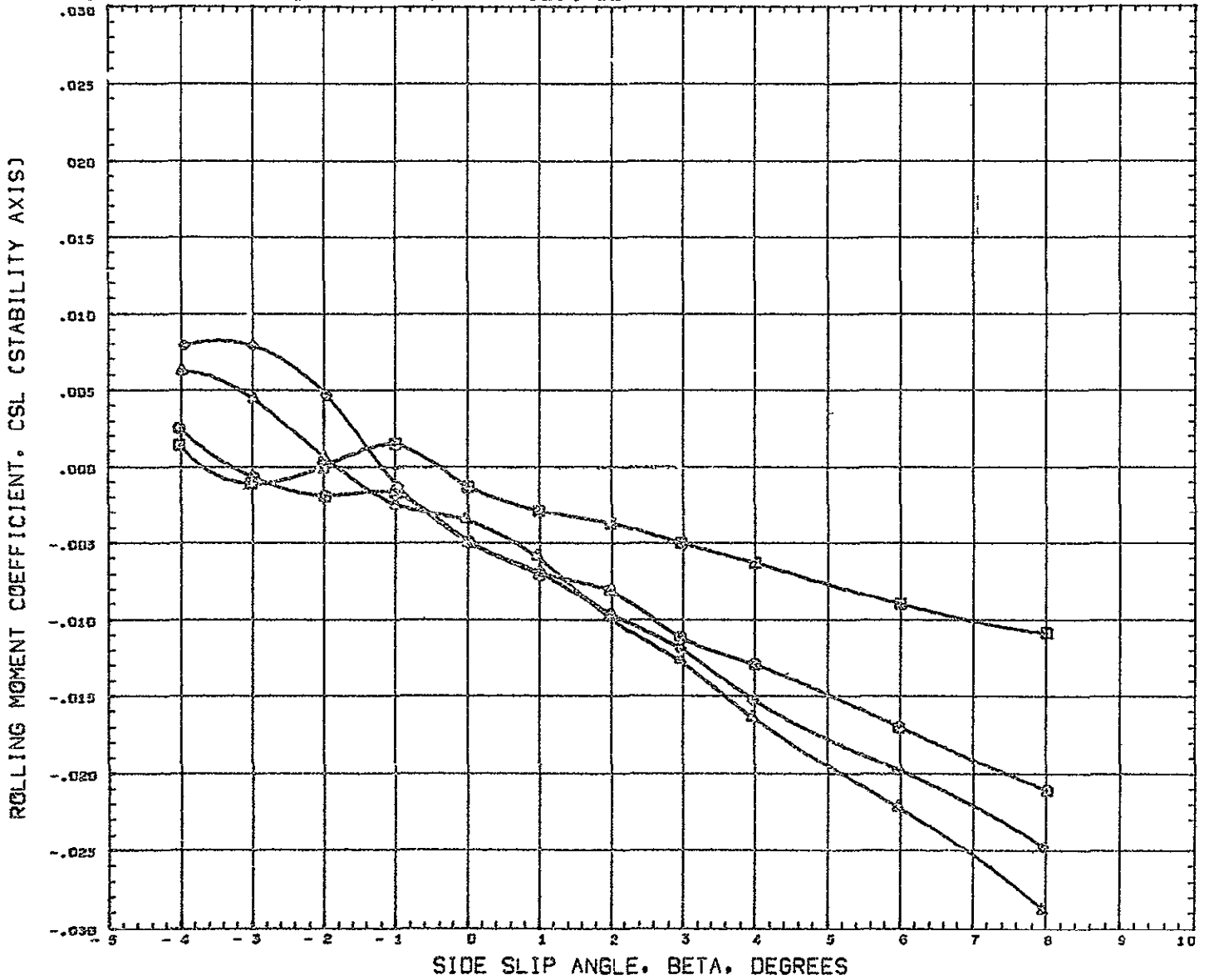
COMPONENT BUILD UP ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6049)	NAAL 632 SSV-STR WING FORCE-NAC B6 W1D V5	ALPHA 6.000	REFS 0 1790 SQ FT
(TC6034)	NAAL 632 SSV-STR WING FORCE-NAC B6 W1D H12		REFL 15 7370 INCHES
(TC6001)	NAAL 632 SSV-STR WING FORCE-NAC B6 W1D H12 V5		REFB 11 3390 INCHES
(TC6003)	NAAL 632 SSV-STR WING FORCE-NAC B6 H2 W1D H12 V5		XNRF 9 8400 INCHES
			YNRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILD UP ALPHA = 12.0 DEG

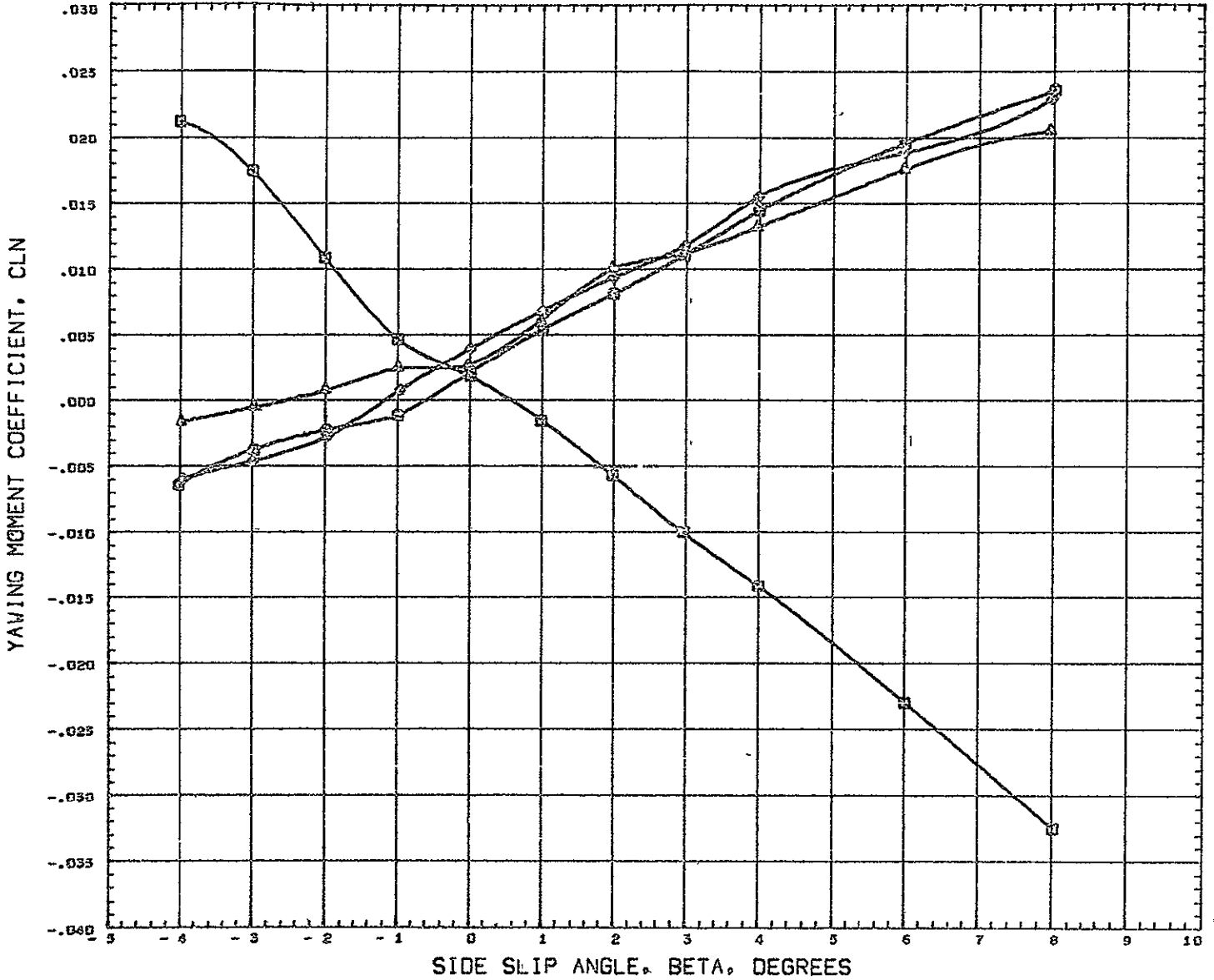


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6050)	MAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 12.000	REFS 0 1790 SQ FT
(RC6035)	MAAL 032 SSV-STR WING FORCE-NAC B8 W10 H12		PEFL 15 7370 INCHES
(RC6005)	MAAL 032 SSV-STR WING FORCE-NAC B8 W10 H12 V5		REFB 11 3390 INCHES
(RC6010)	MAAL 632 SSV-STR WING FORCE-NAC B6 H2 W10 H12 V5		XHRF 9 8400 INCHES
			YHRP 8 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILD UP

ALPHA = 12.0 DEG



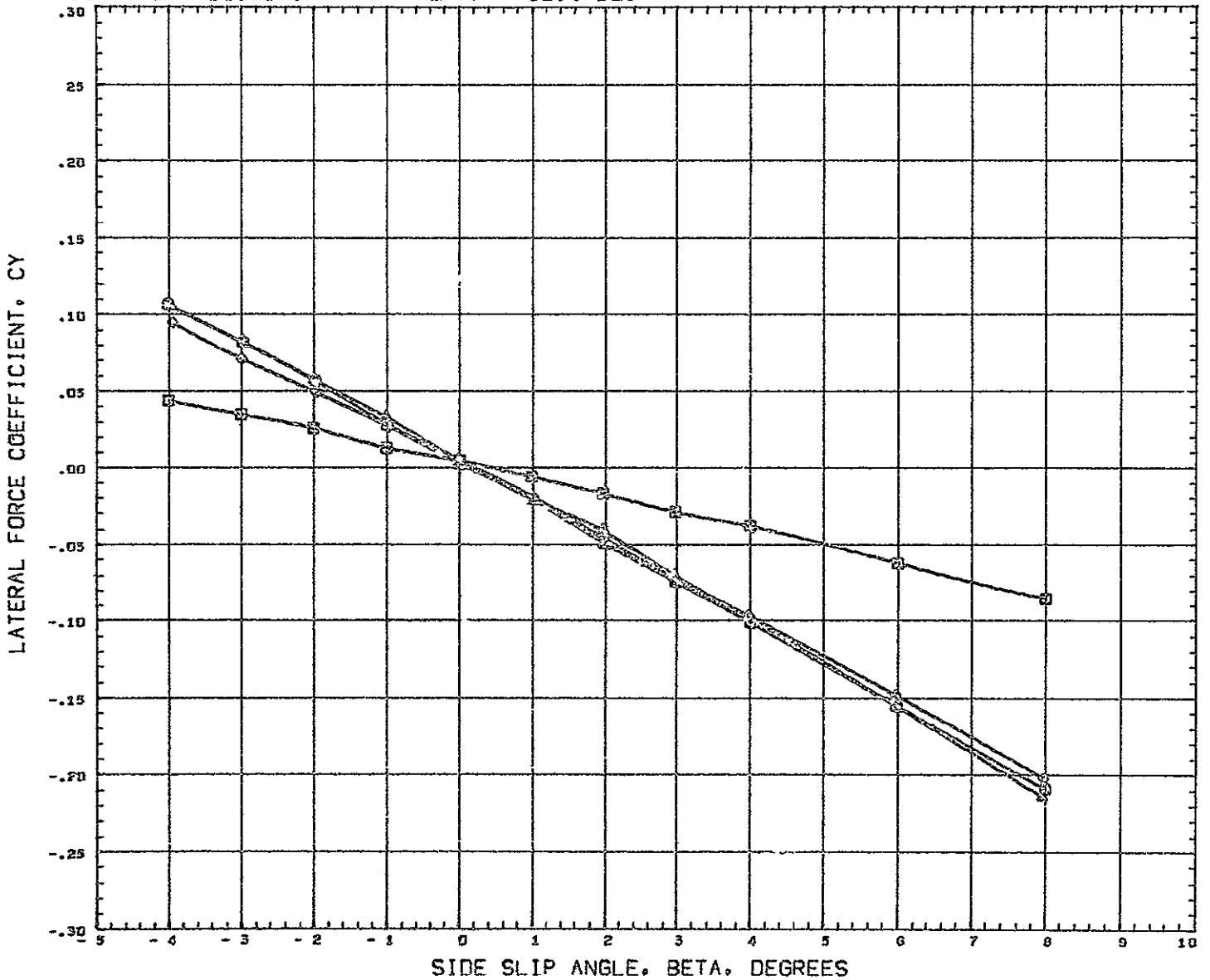
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG050)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 12.000
(RCG055)	NAAL 632 SSV-STR WING FORCE-NAC B8 W10 H12	
(RCG005)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	
(RCG010)	NAAL 632 SSV-SYR WING FORCE-NAC B5 N2 W10 H12 V5	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

COMPONENT BUILD UP

ALPHA = 12.0 DEG

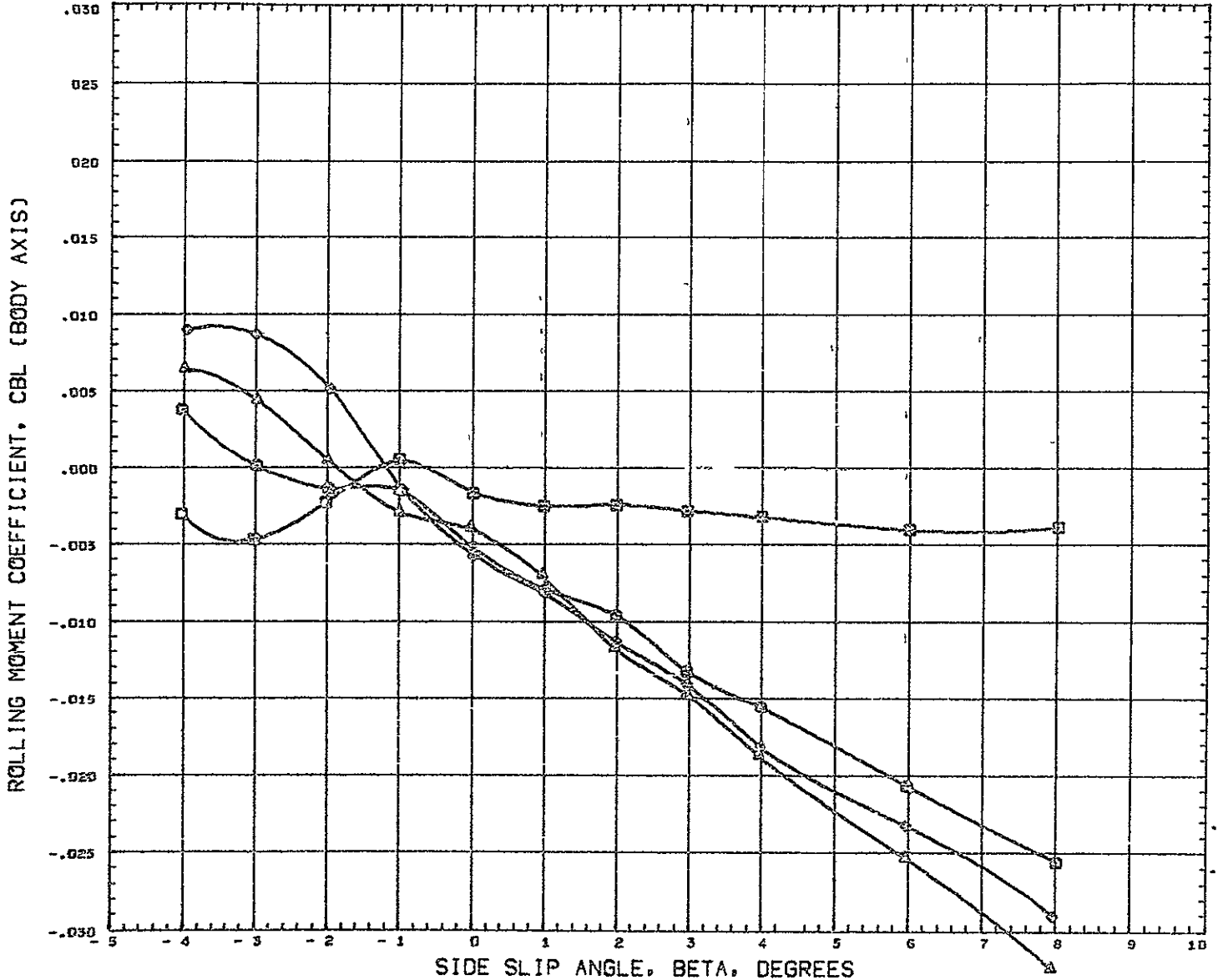


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(PC6850)	NAAL 632 SSV-STR WING FORCE-MAC 86 W10 V5	ALPHA 12.000
(RC6035)	NAAL 632 SSV-STR WING FORCE-MAC 86 W10 H12	
(RC6005)	NAAL 632 SSV-STR WING FORCE-MAC 86 W10 H12 V5	
(RC6010)	NAAL 632 SSV-STP WING FORCE-MAC 86 N2 W10 H12 V3	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REPL	15	7370 INCHES
REFB	11	3390 INCHES
XDRF	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILT UP ALPHA = 12.0 DEG

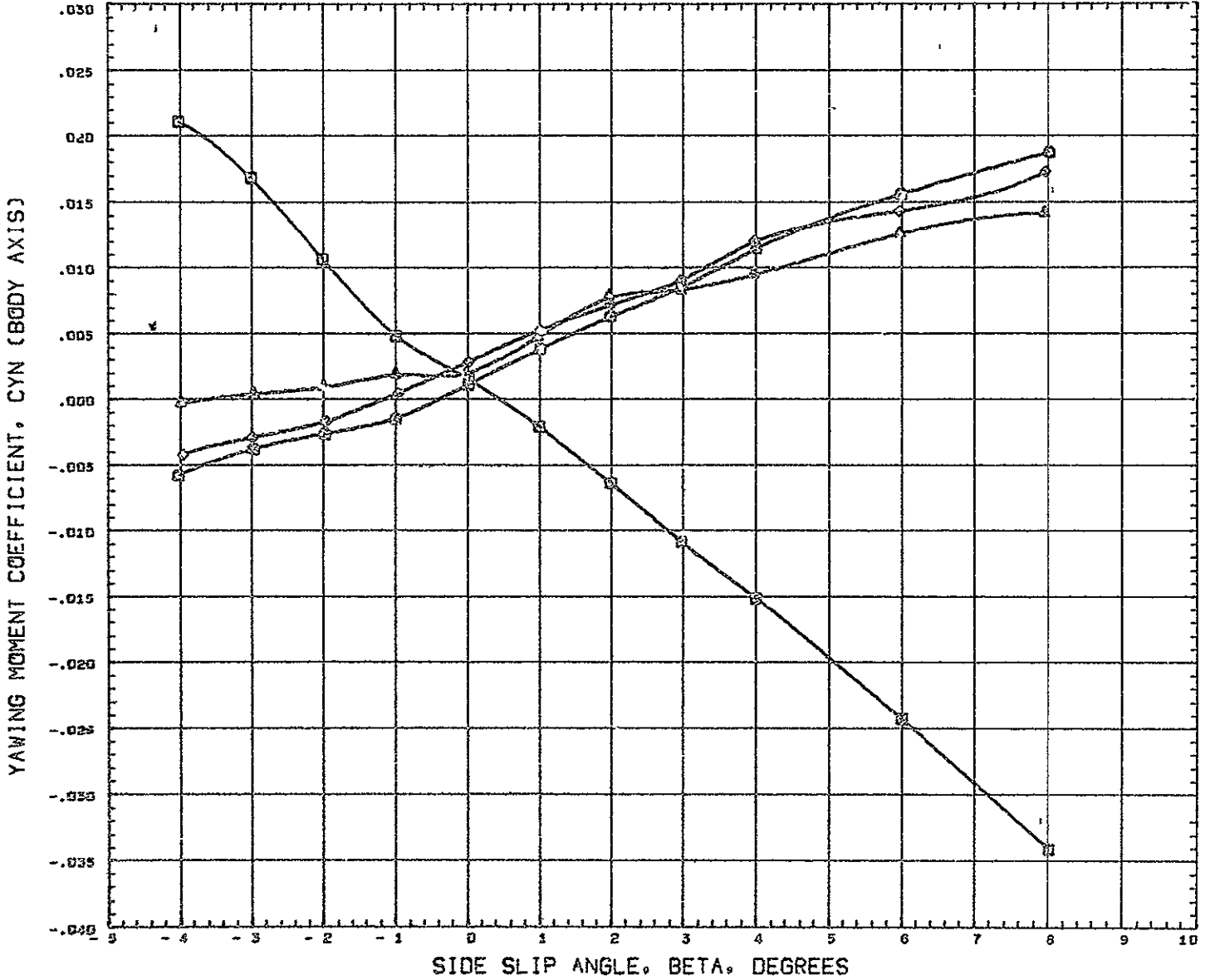


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TCG030)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V5	ALPHA 12 000
(TCG035)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12	
(TCG005)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	
(TCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3590 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

HACH D. 239

COMPONENT BUILD UP ALPHA = 12.0 DEG

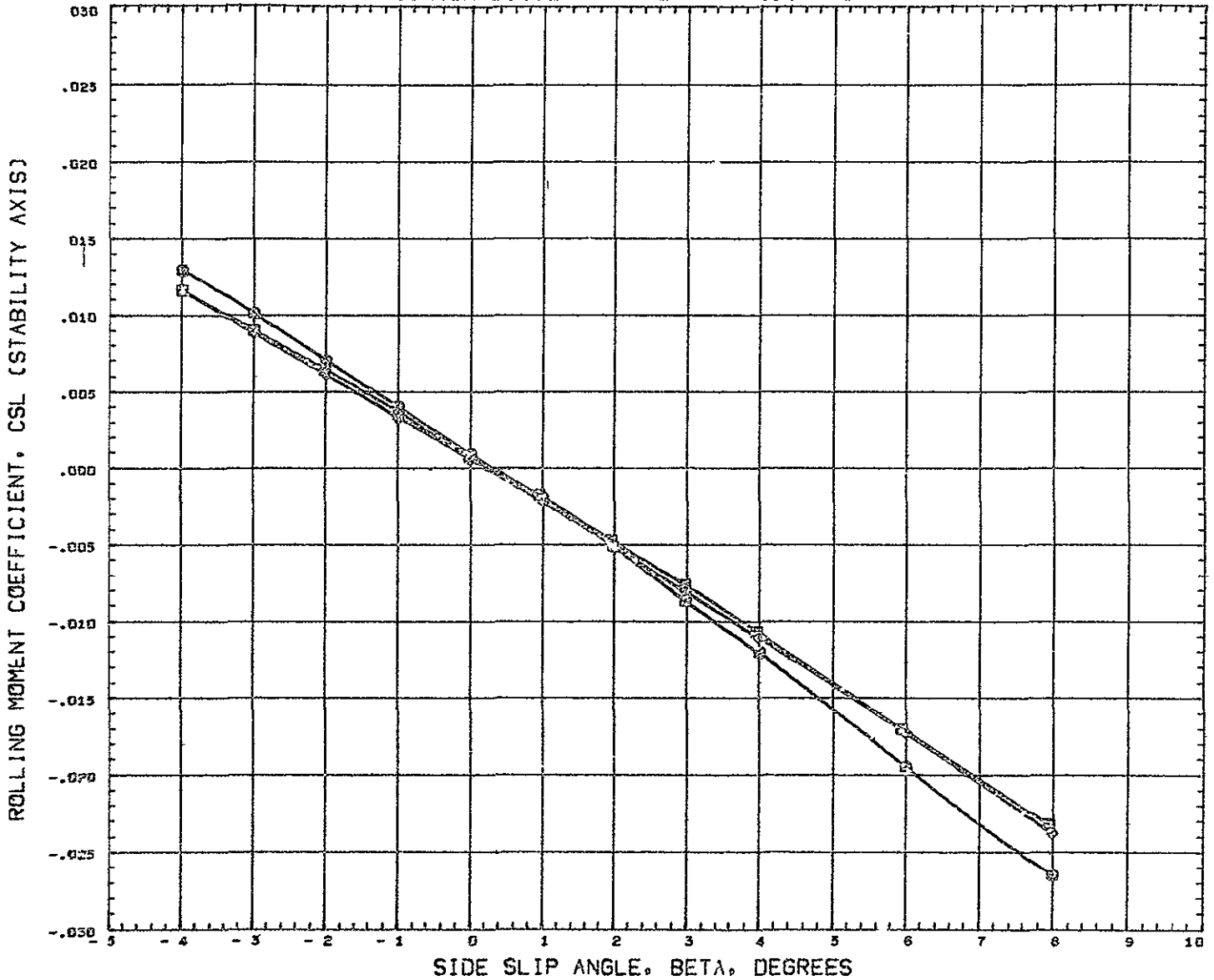


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6050)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 V3	ALPHA 12 000
(TC6035)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12	
(TC6005)	NAAL 632 SSV-STR WING FORCE-NAC B6 W10 H12 V5	
(TC6010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRF	9	8400 INCHES
YHRF	0	0000 INCHES
ZHRF	0	3840 INCHES
SCALE	0	0076 SCALE

MACH, 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG

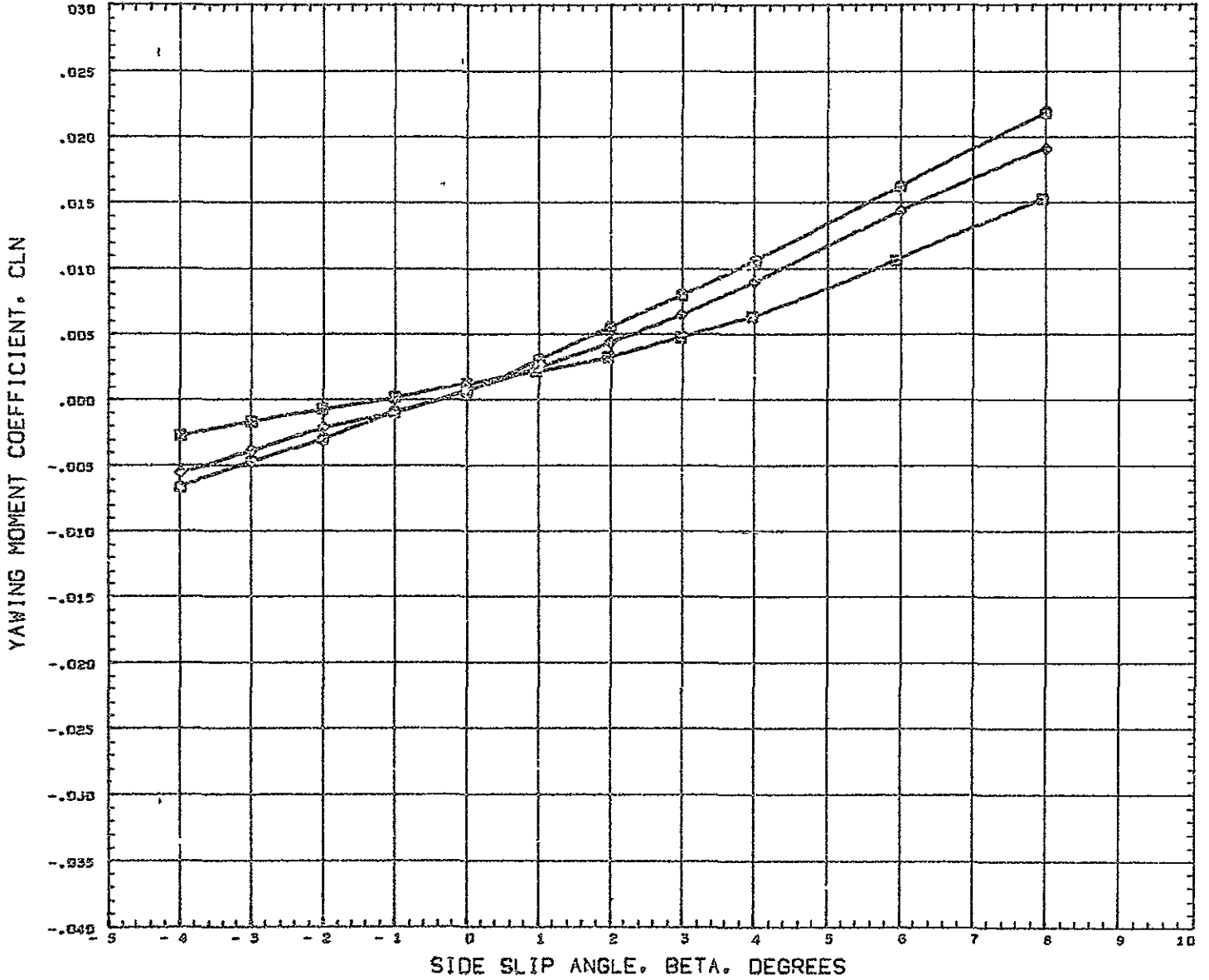


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6020)	NAAL 632 LSV-STR WING FORCE-NAC B6 N WID H12 V5	ALPHA 0.000
(RC6008)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 WID H12 V5	
(RC6023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12 V5	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
PEFB	11 3390	INCHES
XNRF	9 8400	INCHES
YHRF	0 0000	INCHES
ZMPF	0 3640	INCHES
SCALE	0 0076	SCALE

HACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG

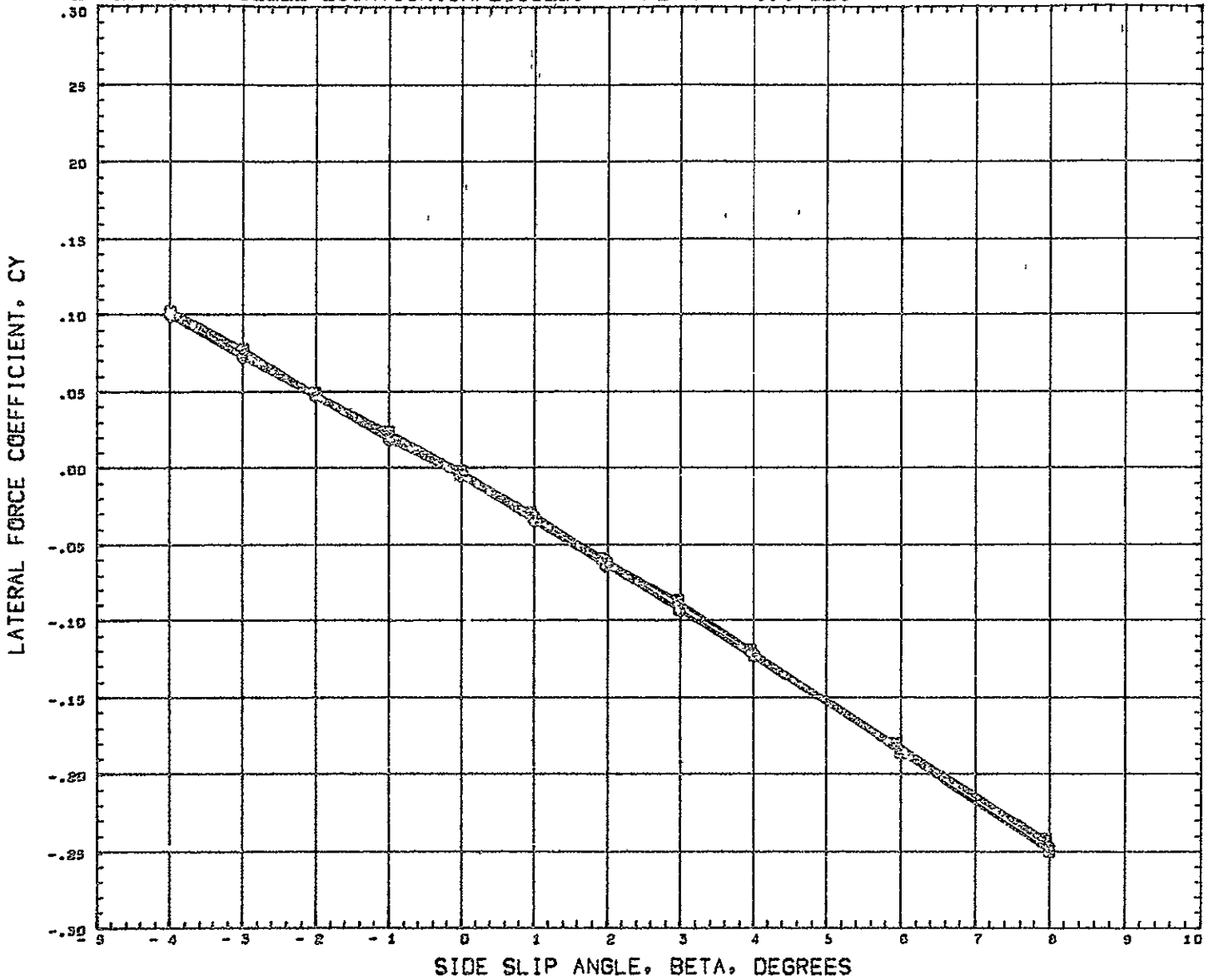


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6078)	NAAL 632 SSV-STR WING FORCE-NAC 86 H W10 H12 V5	ALPHA 0.000
(RC6080)	NAAL 632 SSV-STR WING FORCE-NAC 86 H2 W10 H12 V5	
(RC6023)	NAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REPL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG

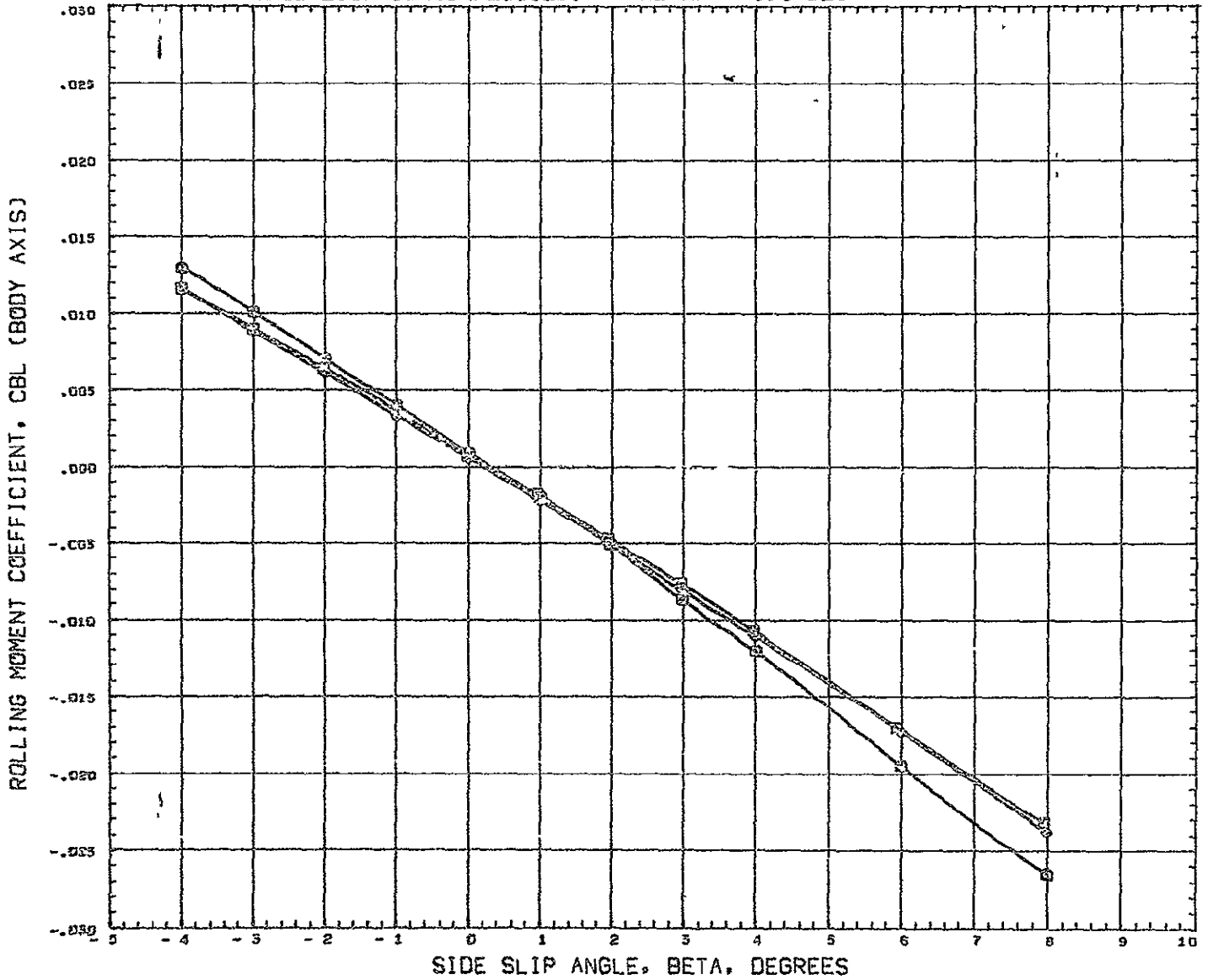


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCC020)	NAAL 032 SSV-STR WING FORCE-NAC B5 N W10 H12 V5	ALPHA 0.000
(RCC021)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	
(RCC023)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ. FT.
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

HACH 0 259

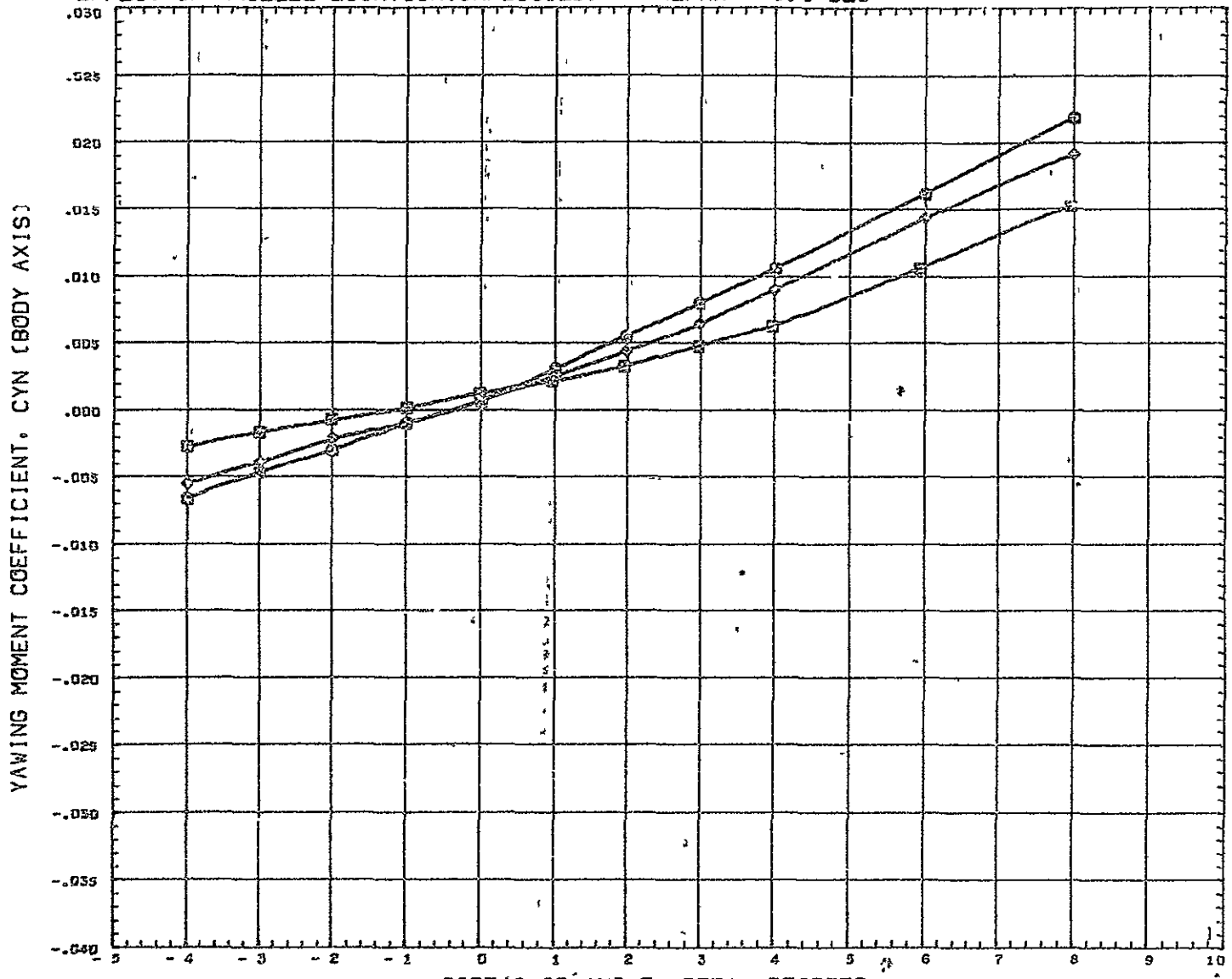
EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6020)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 0.000	PEFS 0,1790 SQ FT
(TC6021)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		REFL 15 7370 INCHES
(TC6022)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.239

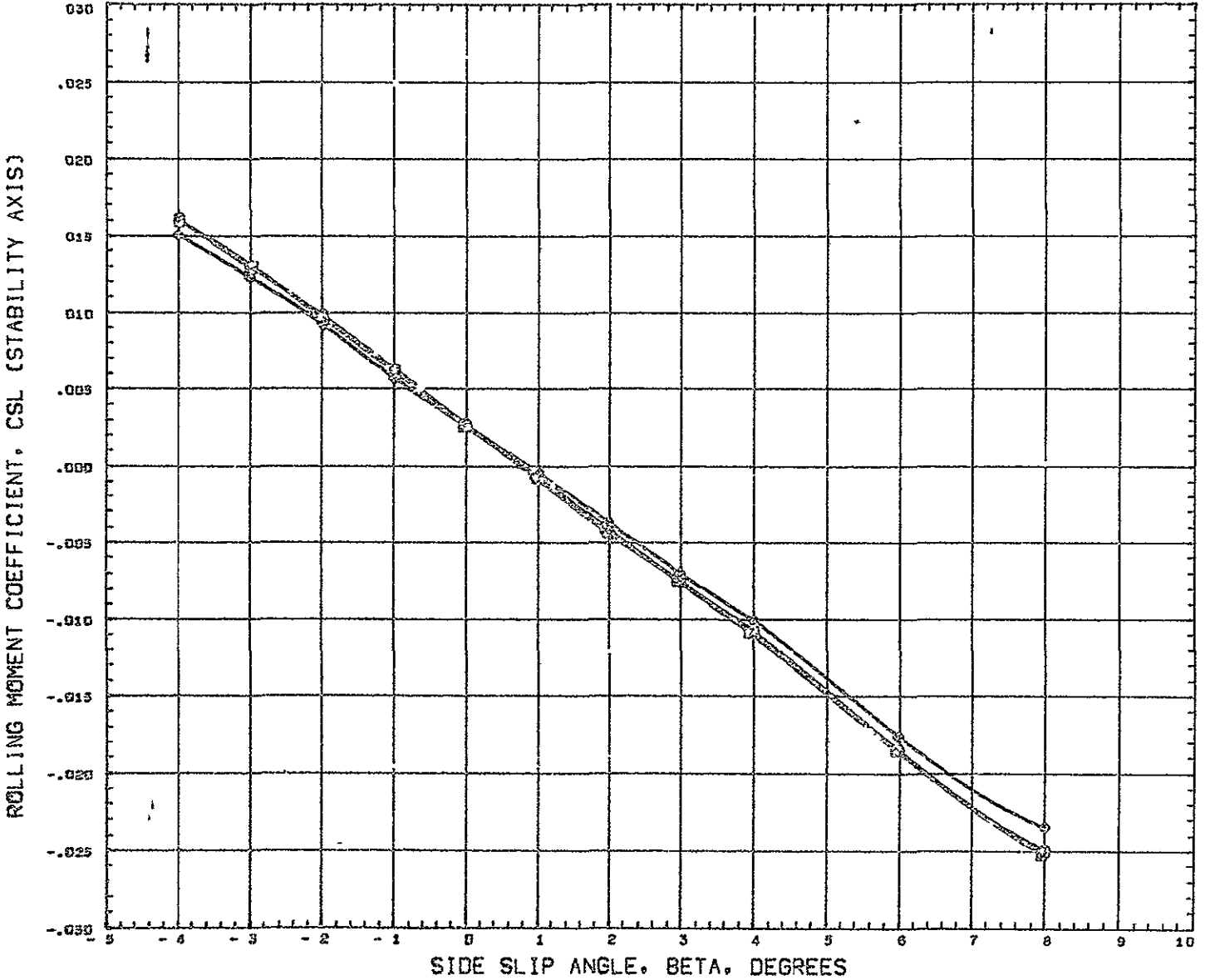
EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TCG028)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 0.000	REFS 0 1790 SQ FT
(TCG008)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5		PEFL 15 7370 INCHES
(TCG023)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3810 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG

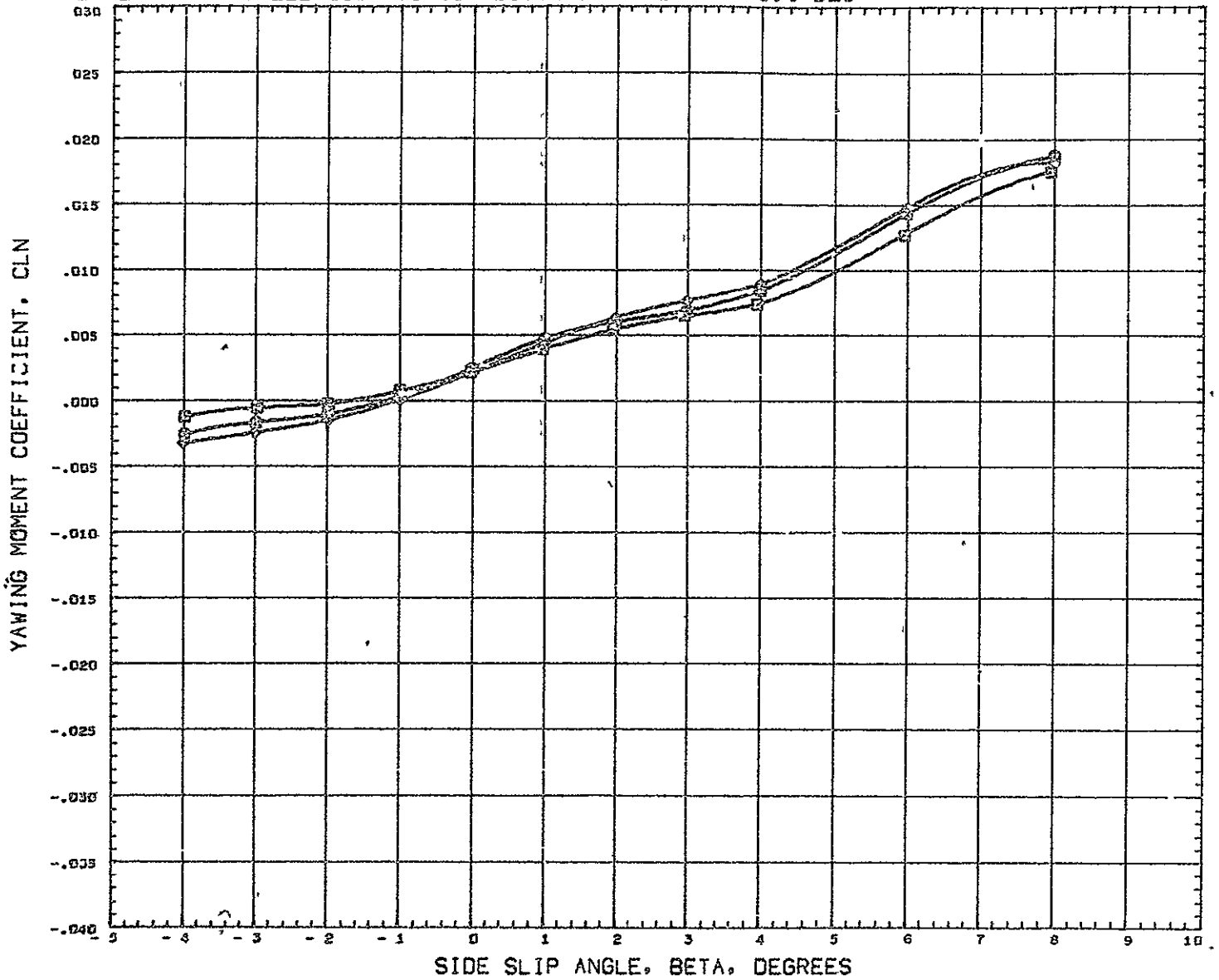


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6025)	HAAL 032 SSV-STR WING FORCE-NAL B5 N W10 H12 V5	ALPHA 6.000
(RC6009)	HAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	
(RC6024)	HAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRF	9	8400 INCHES
YHRF	0	0000 INCHES
ZHRF	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG

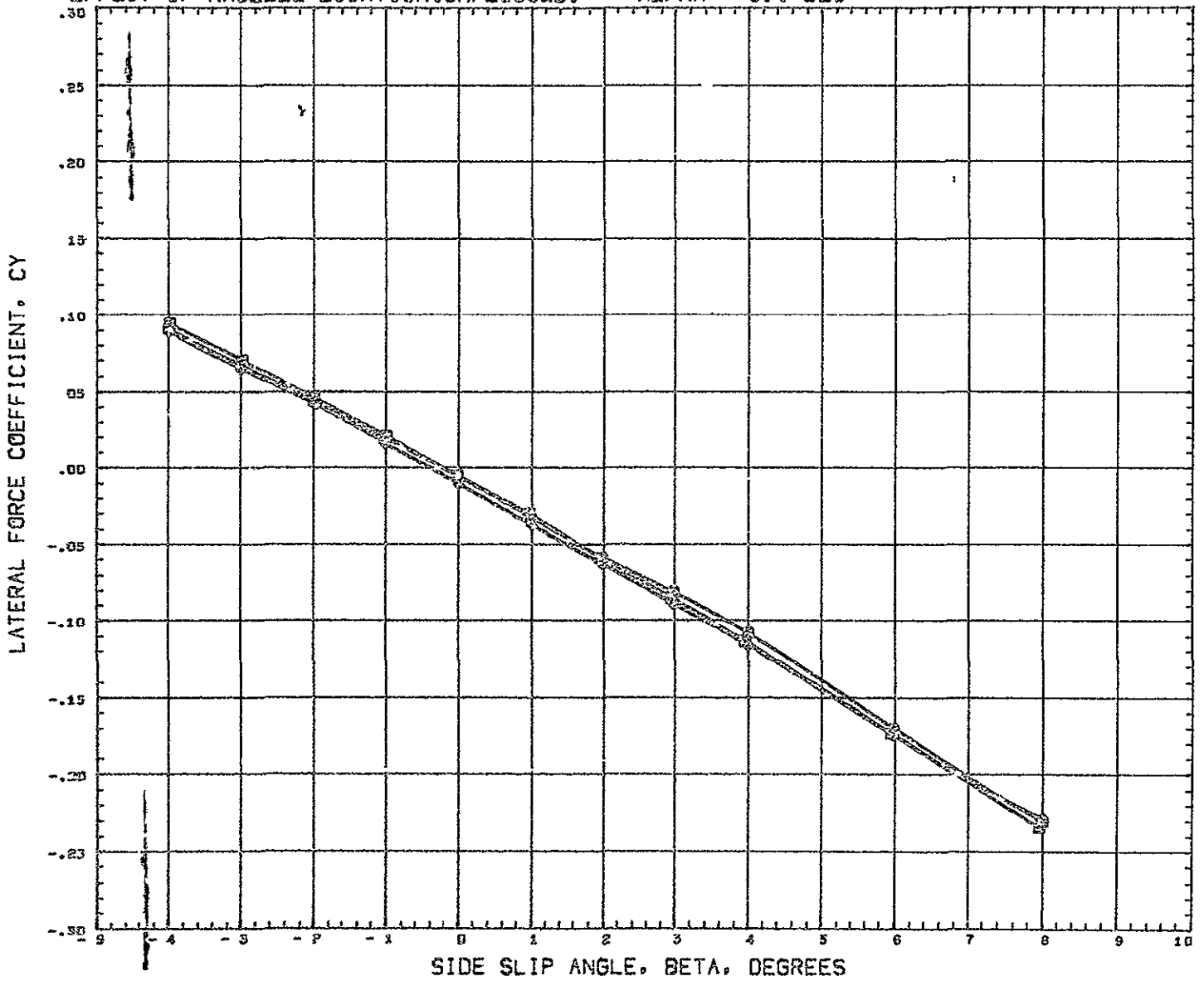


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6029)	NAAL 632 SSV-STR WING FORCE-NAC B6 H W10 H12 V5	ALPHA 6.000
(RC6024)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	
(RC6024)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9.8400	INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

HACH 0 259

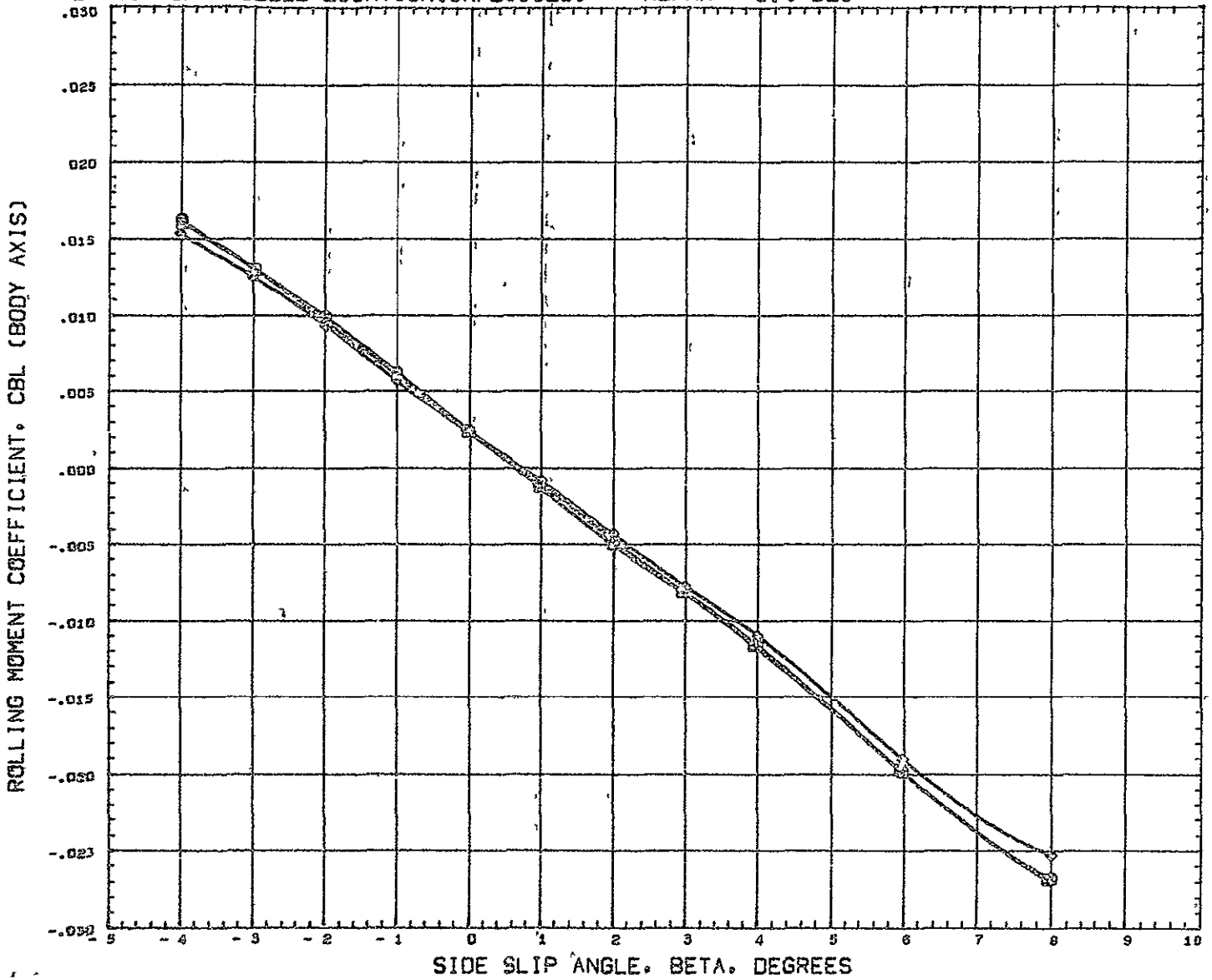
EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6020)	HAAL 032 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	ALPHA 6.000	REFS 0 1790 SQ FT
(RC6000)	HAAL 032 SSV-STR WING FORCE-NAC B8 H2 W10 H12 V5		REFL 15 7370 INCHES
(RC6024)	HAAL 032 SSV-STR WING FORCE-NAC B6 H4 W10 H12 V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0 254

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG

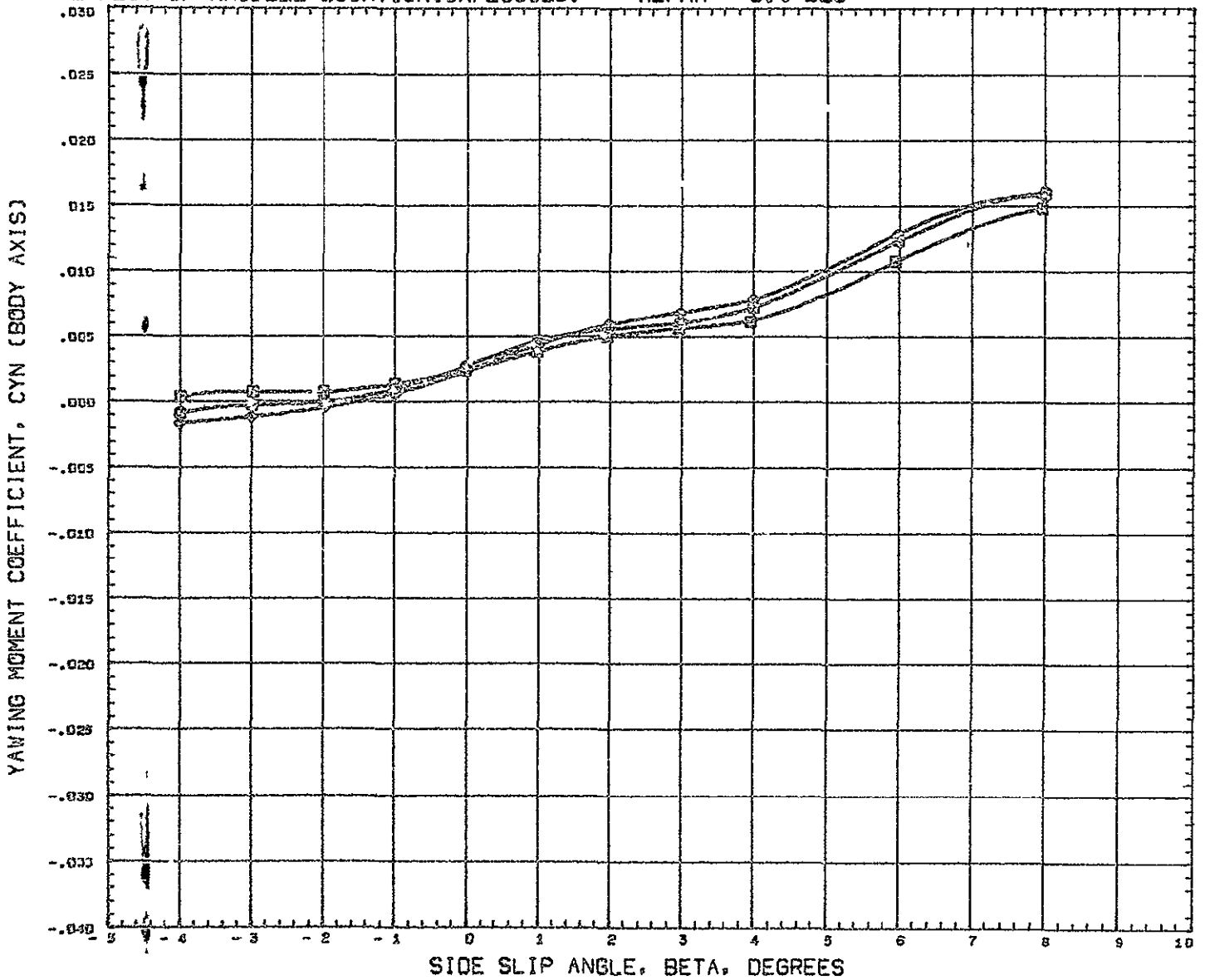


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6029)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	ALPHA 6.000
(TC6009)	□ NAAL 632 SSV-STP WING FORCE-NAC B6 M2 W10 H12 V5	
(TC6024)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ. FT
REPL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 6.0 DEG



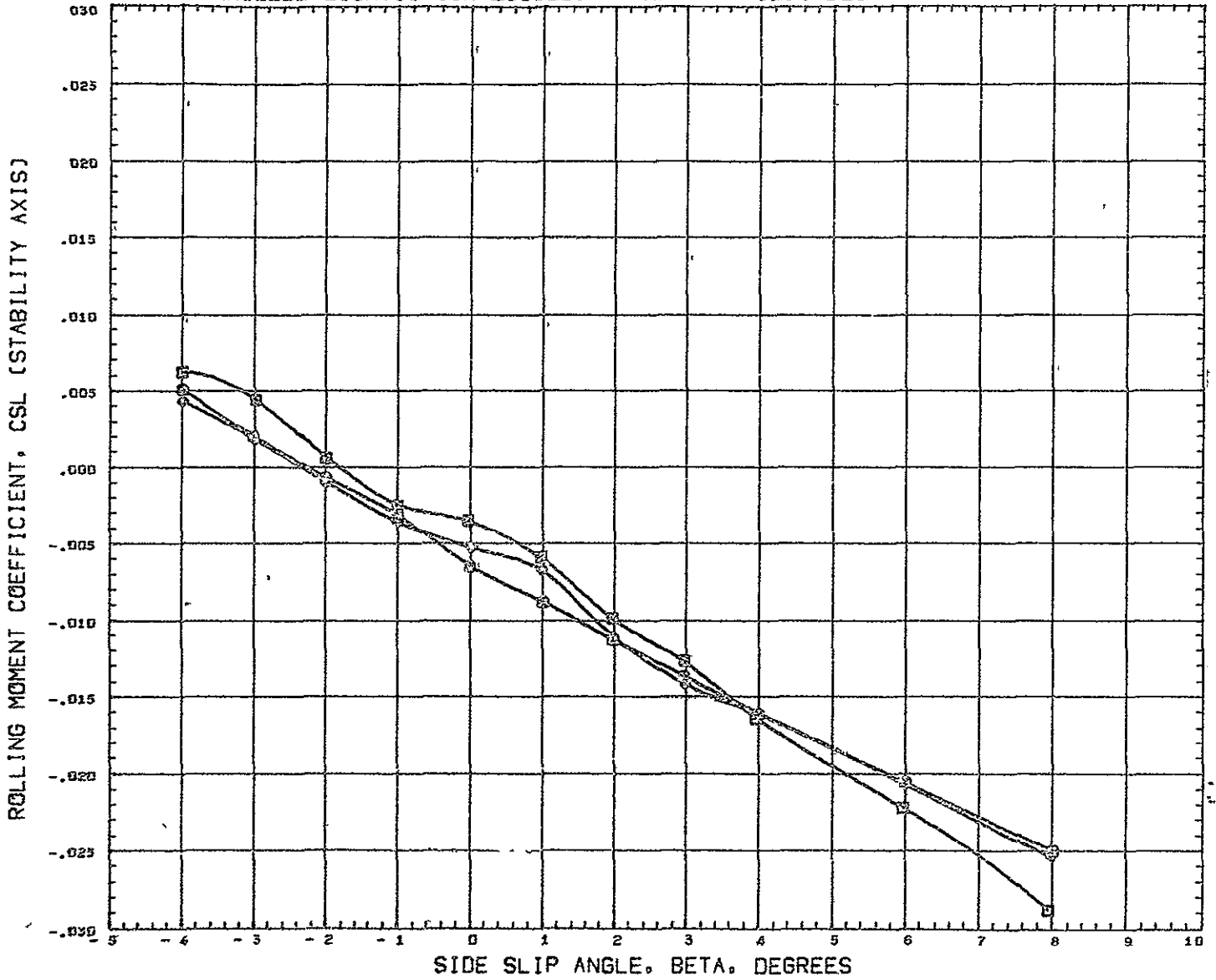
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6029)	NAAL 632 SSV-STR WING FORCE-NAC B5 H WIG H12 V3	ALPHA 6.000
(TC6009)	NAAL 632 SSV-STR WING FORCE-NAC B8 N2 WIG H12 V3	
(TC6024)	NAAL 632 SSV-STR WING FORCE-NAC B6 H3 WIG H12 V3	

REFERENCE INFORMATION

REFS	0	1790	50 FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YMRP	0	0000	INCHES
ZMRP	0	3840	INCHES
SCALE	0	0076	SCALE

HACH 0.250

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG

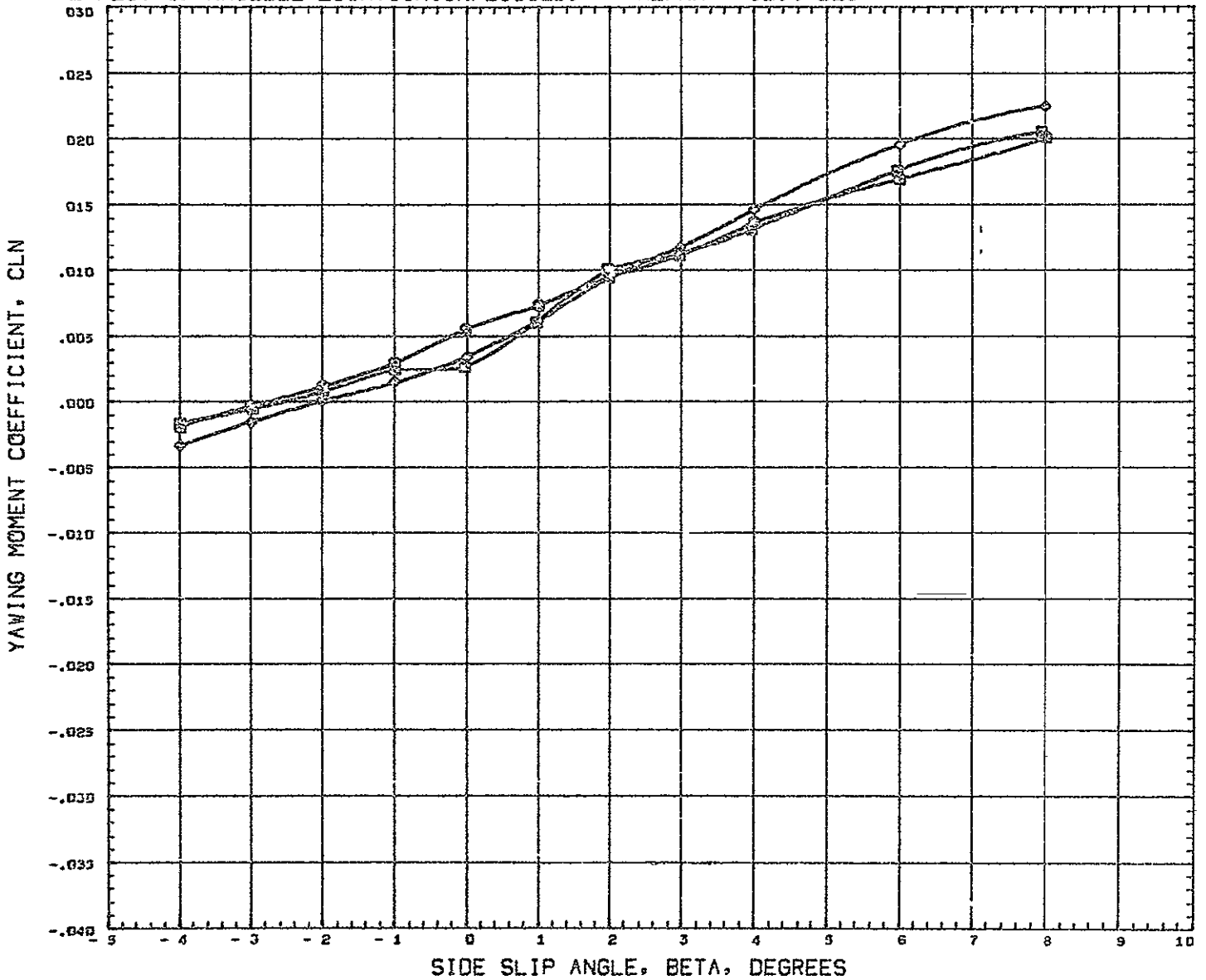


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG050)	NAAL 632 SSV-STR WING FORCE-NAC B5 N W10 H12 V5	ALPHA 12.000
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B5 N2 W10 H12 V5	
(RCG025)	NAAL 632 SSV-STR WING FORCE-NAC B5 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ.FT
REPL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG

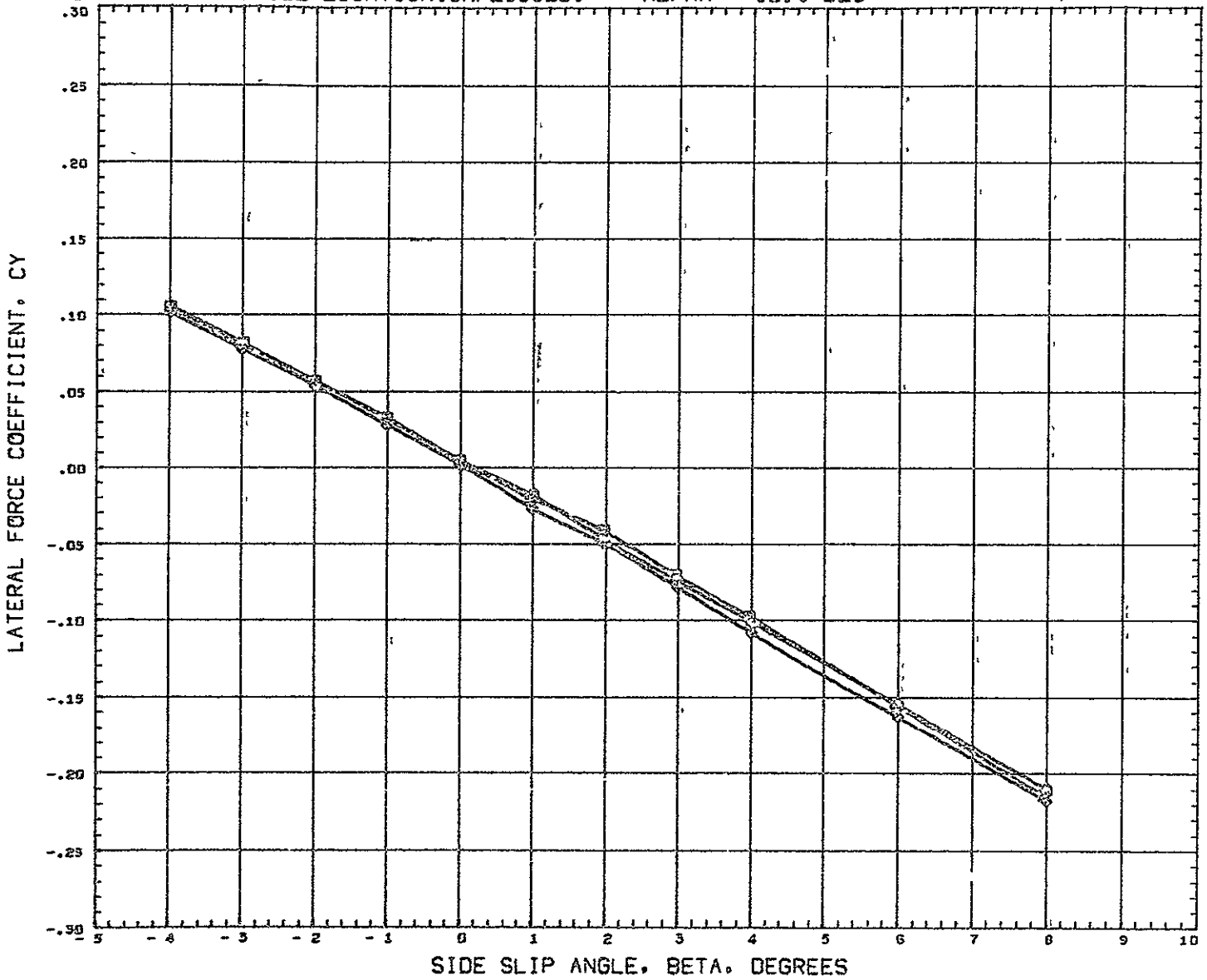


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG030)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	ALPHA 12.000
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	
(RCG025)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XHRP	9.8400	INCHES
YHRP	0.0000	INCHES
ZHRP	0.3840	INCHES
SCALE	0.0076	SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG

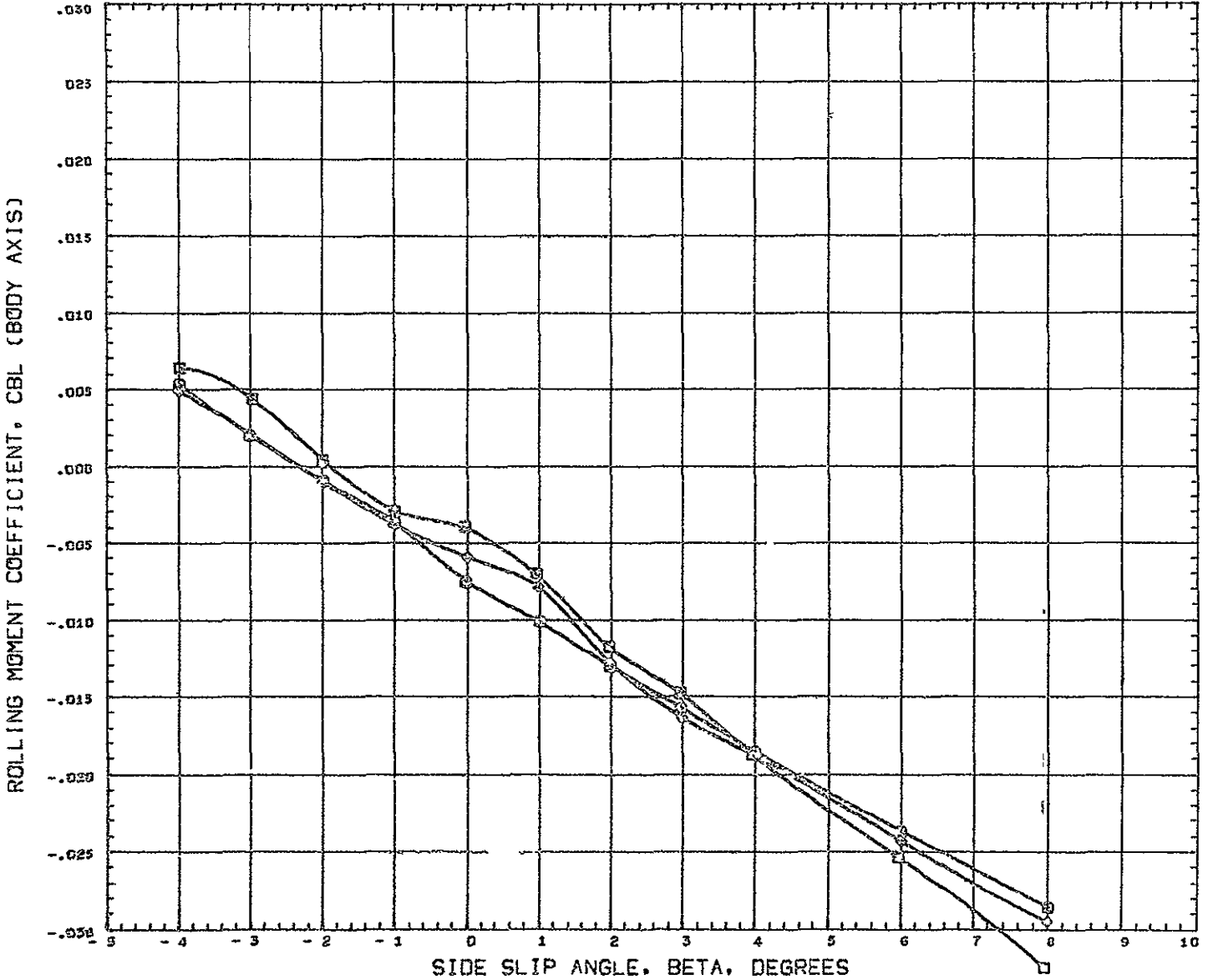


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG030)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	ALPHA 12 000
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V3	
(RCG025)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG

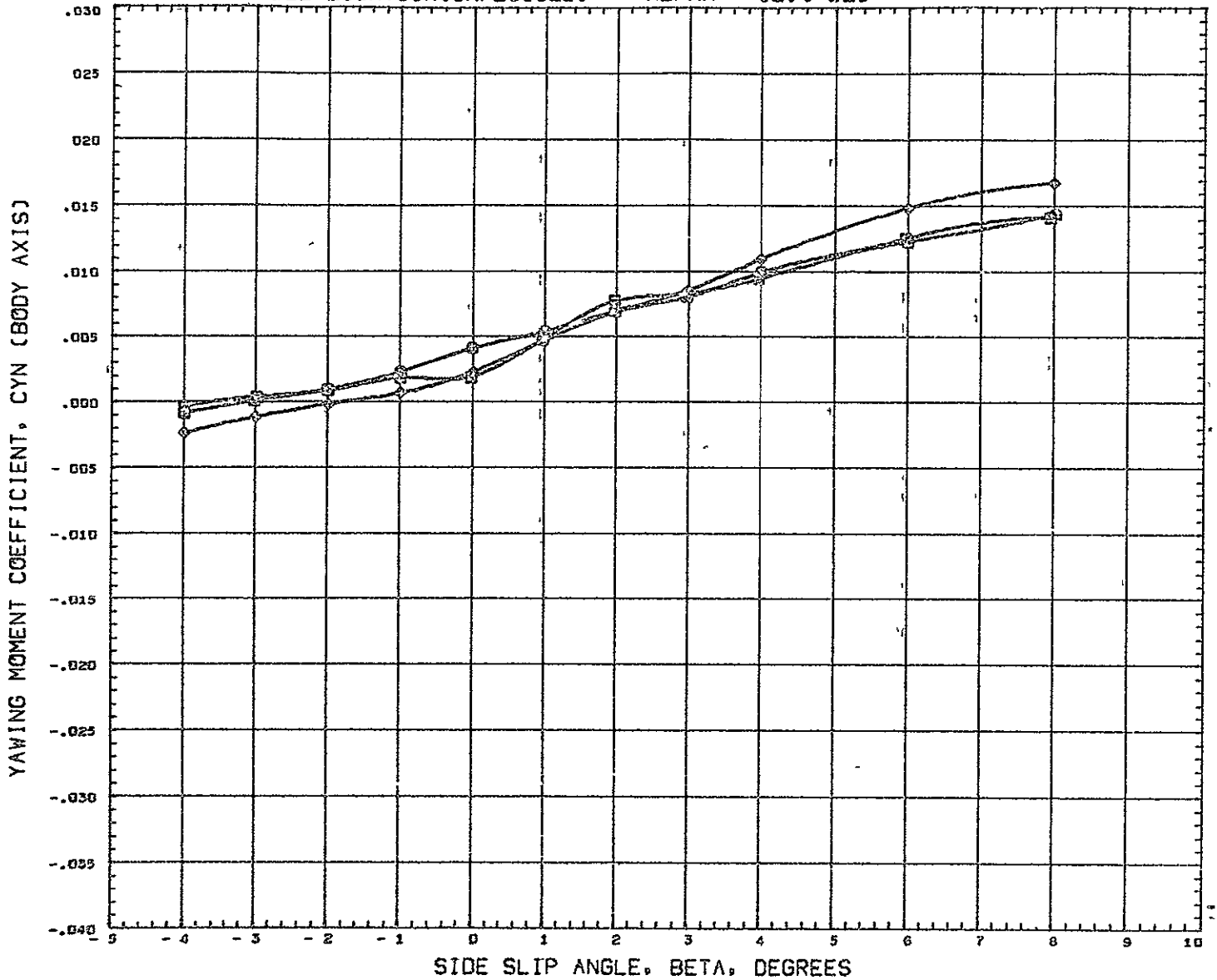


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6630)	NAA 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	ALPHA 12,000
(TC6010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	
(TC0025)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

NACH 0 259

EFFECT OF NACELLE LOCATION (UNPLUGGED) ALPHA = 12.0 DEG



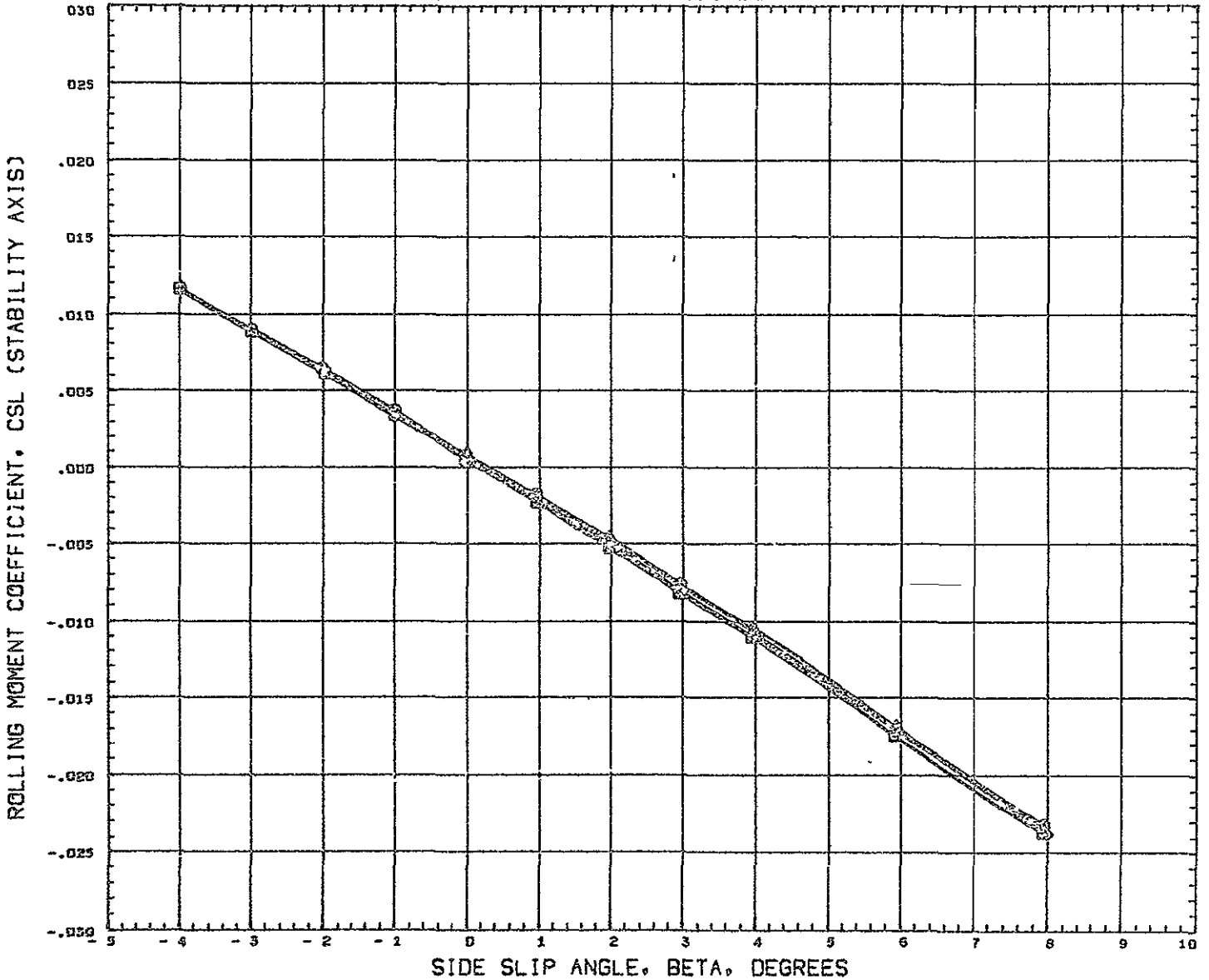
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6010)	NAAL 632 SSV-STR WING FORCE-NAC B6 H1 W10 H12 V5	ALPHA 12.000
(TC6010)	NAAL 632 SSV-STR WING FORCE-NAC B6 H2 W10 H12 V5	
(TC6023)	NAAL 632 SSV-STR WING FORCE-NAC B6 H4 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15.7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 0.0 DEG



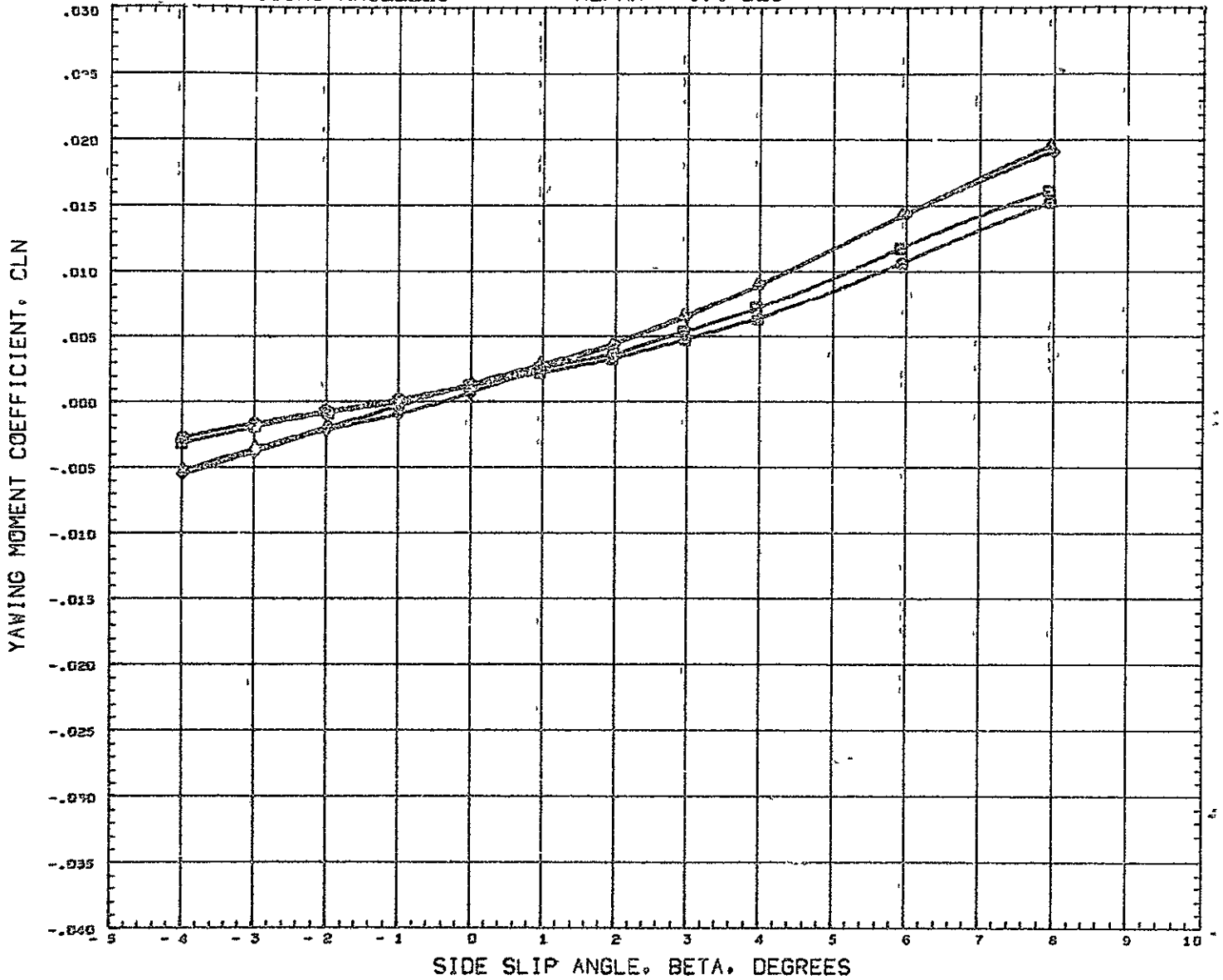
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG008)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12 V5	ALPHA 0 000
(RCG013)	NAAL 632 SSV-STR WING FORCE-MAC B6 N3 W10 H12 V5	
(RCG023)	NAAL 632 SSV-STR WING FORCE-MAC B6 N4 W10 H12 V5	
(RCG018)	NAAL 632 SSV-STR WING FORCE-MAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0 259

EFFECT OF PLUGGING NACELLES

ALPHA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(PCG008)	MAA 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0 000
(RCG013)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(RCG023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

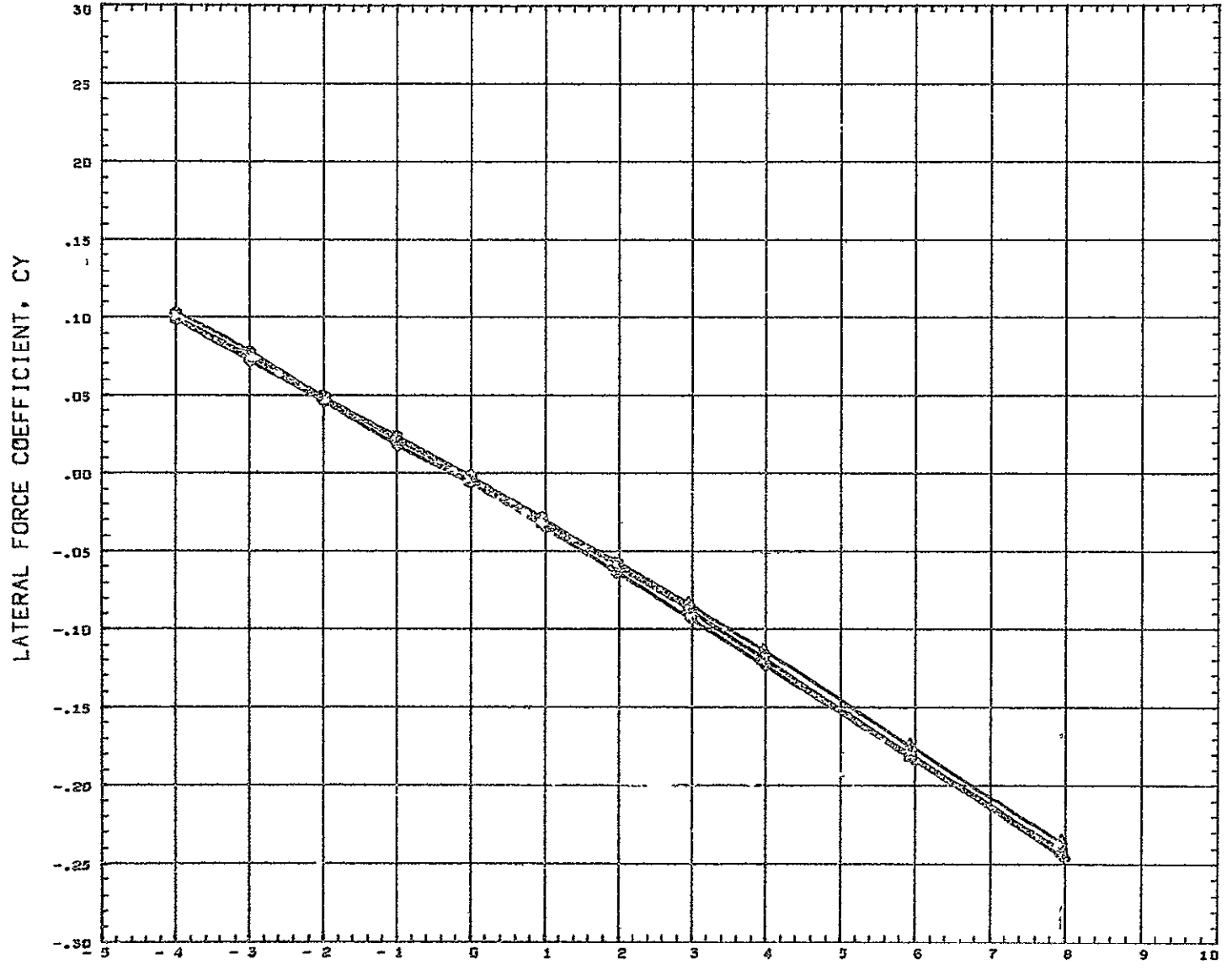
REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRF	9 8400	INCHES
YHRF	0 0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0 259



EFFECT OF PLUGGING NACELLES

ALPHA = 0.0 DEG



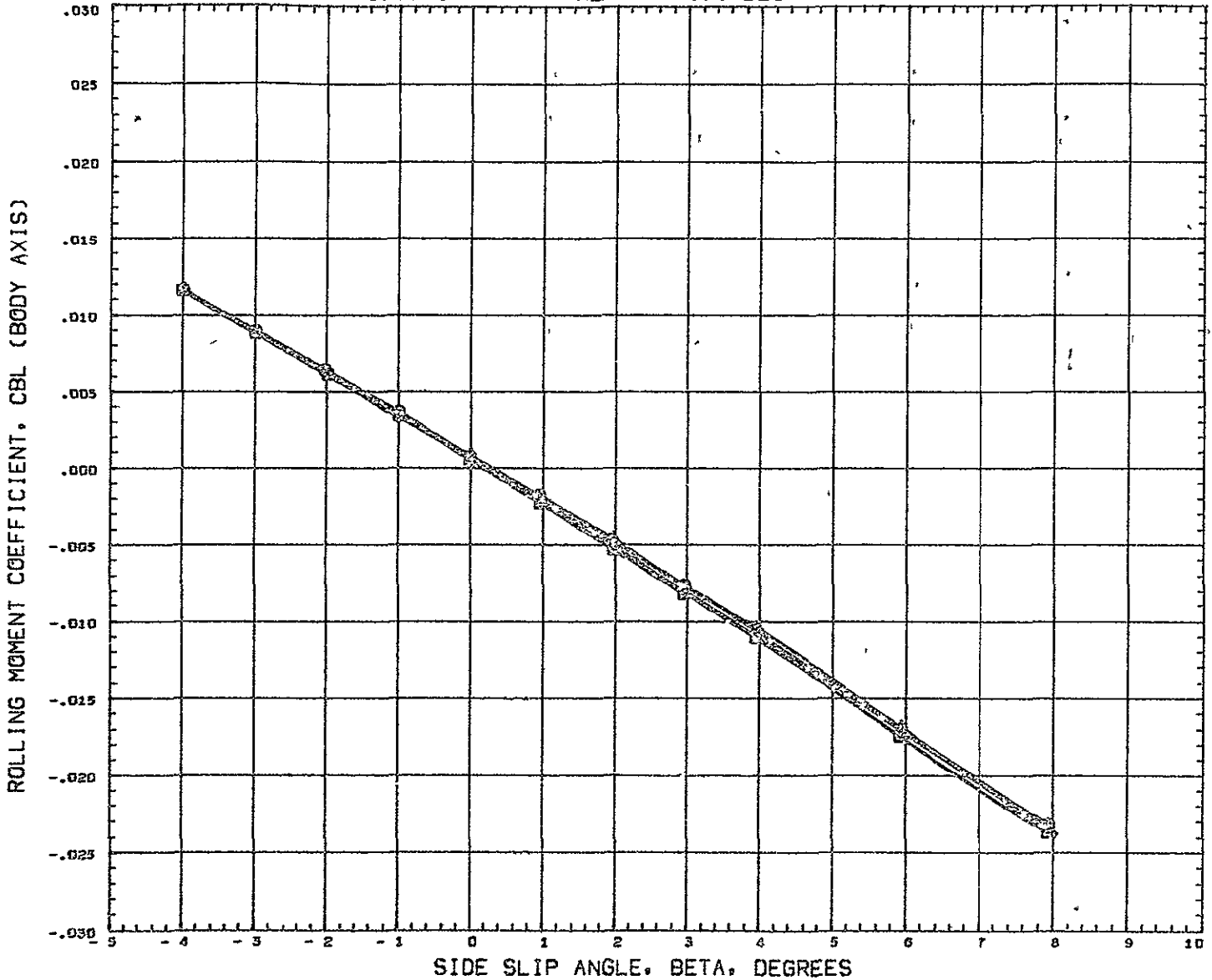
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6008)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0 000	REFS 0 1730 SQ FT
(RC6013)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RC6023)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RC6010)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XNRP 9 8400 INCHES
			YNRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH D.259



EFFECT OF PLUGGING NACELLES

ALPHA = 0.0 DEG

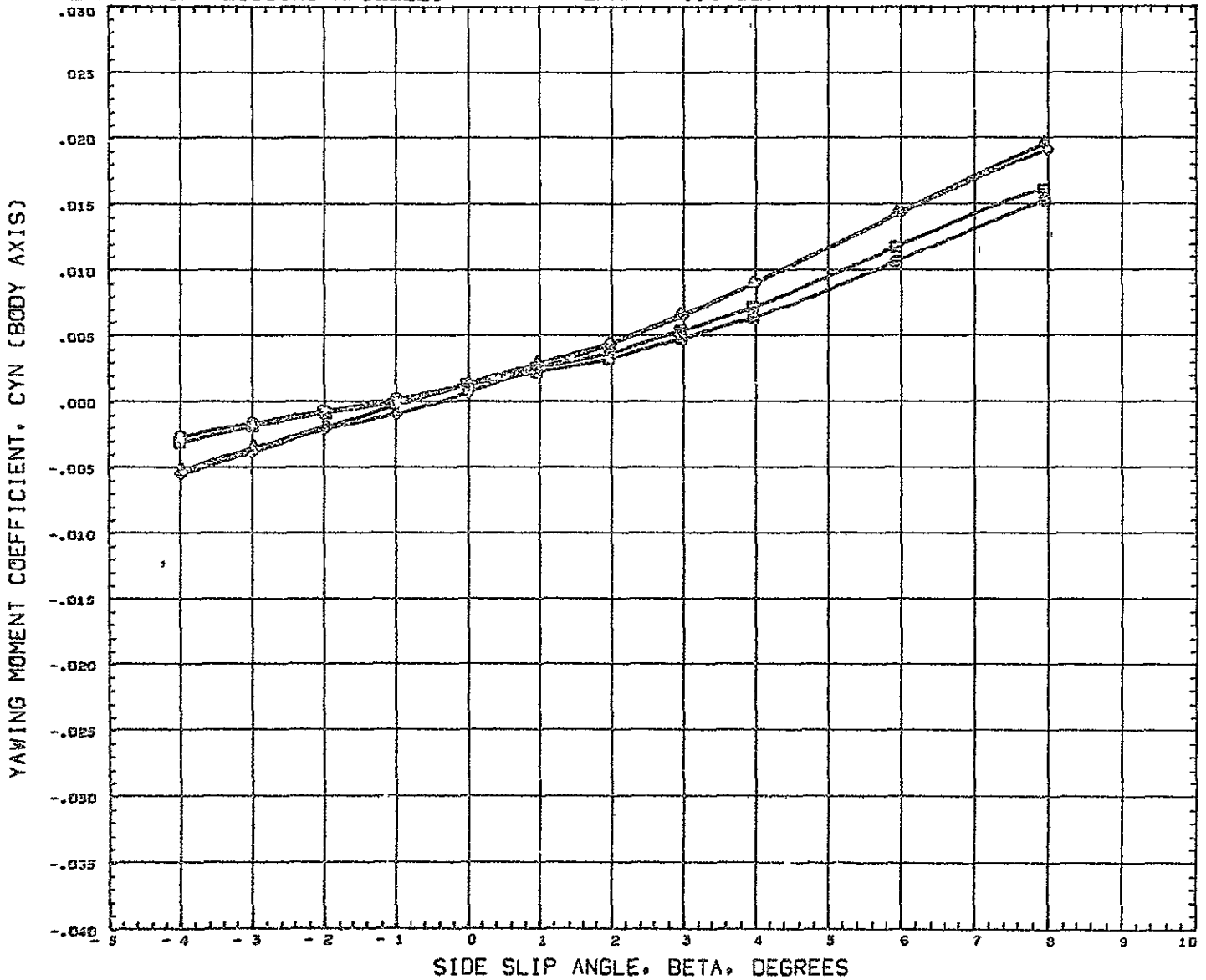


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6009)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0.000	REFS 0 1790 SQ FT
(TC6013)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(TC6023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(TC6018)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XHRP 9 8400 INCHES
			YHPP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 0.0 DEG



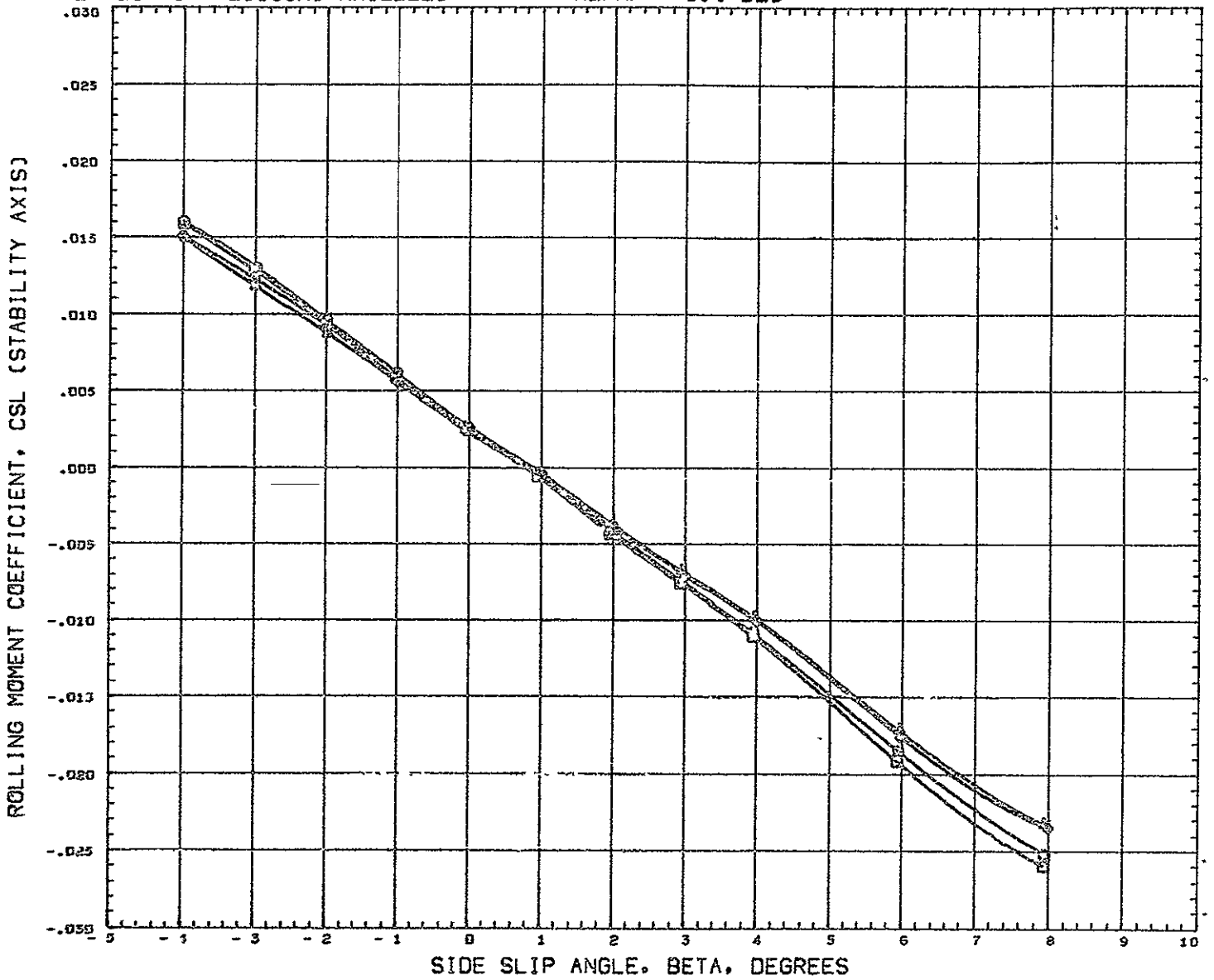
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6000)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0.000
(TC6013)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(TC6023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	
(TC6018)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

HACH 0 259

EFFECT OF PLUGGING NACELLES

ALPHA = 6.0 DEG

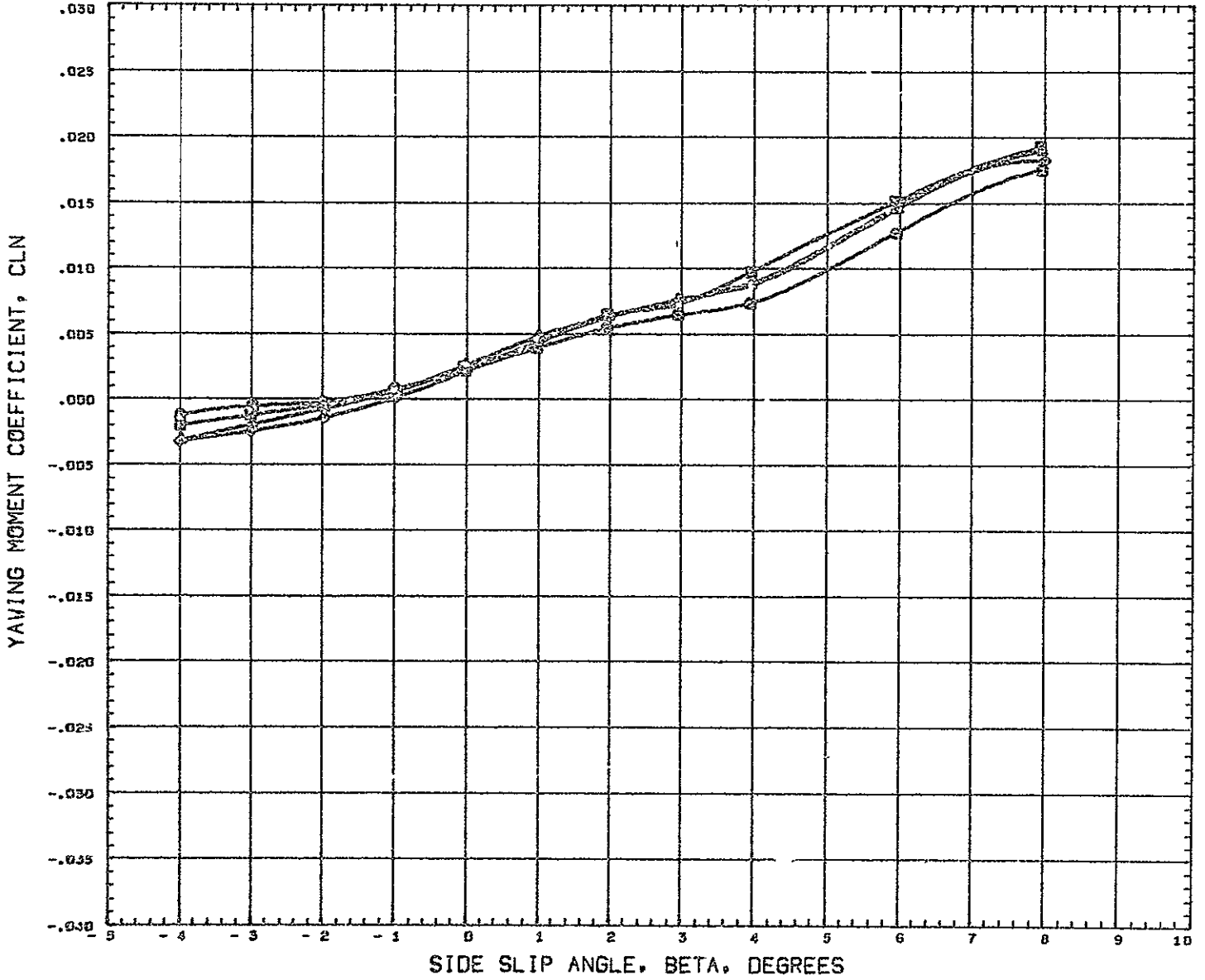


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG009)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 6.000	REFS 0 1790 SQ FT
(RCG014)	MAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(RCG024)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG019)	MAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 6.0 DEG



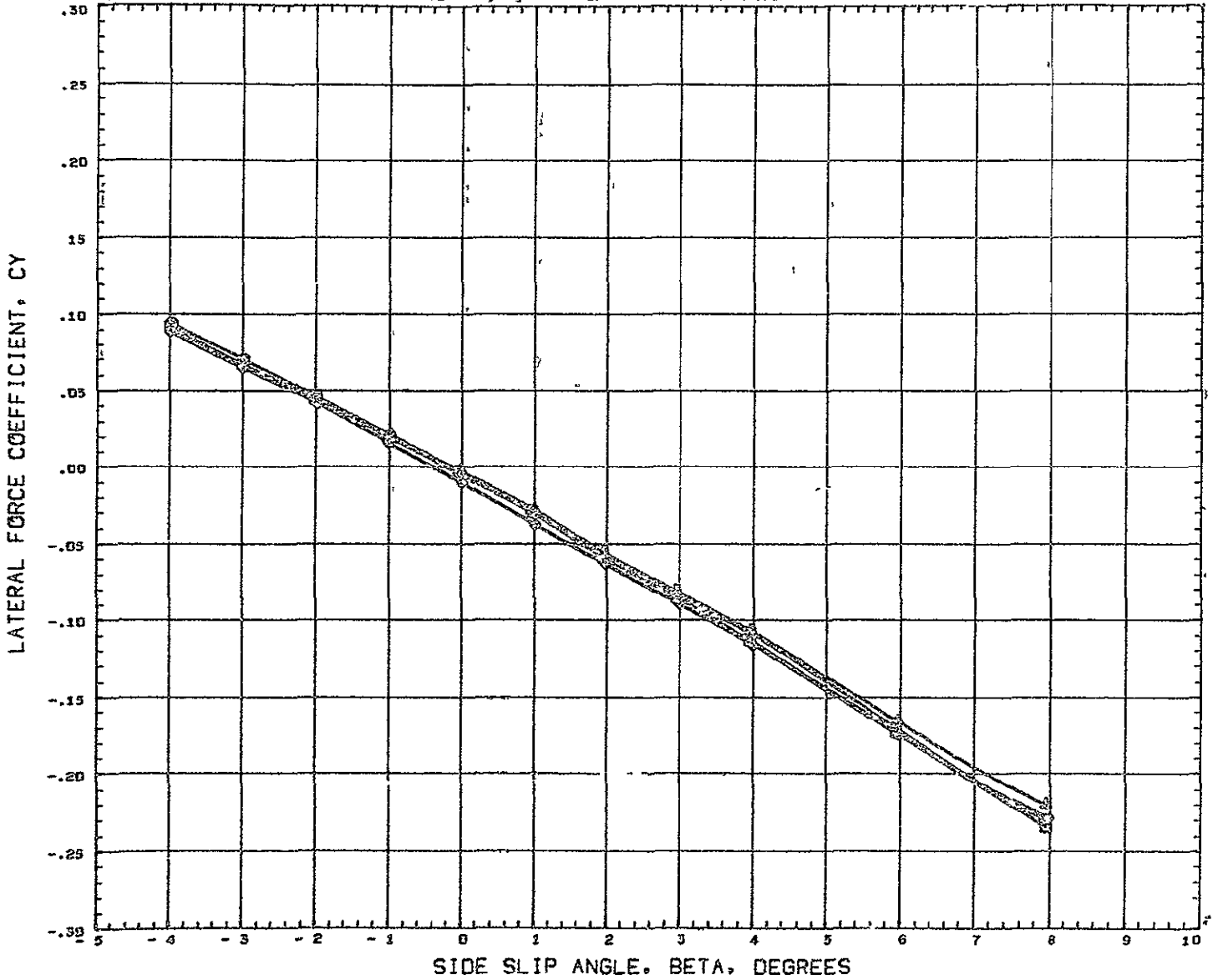
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(PC6009)	MAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V3	ALPHA 6.000
(RC6014)	MAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(RC6024)	MAAL 632 SSV-STR WING FORCE-NAC B6 N1 W10 H12 V5	
(RC6019)	MAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V3	

REFERENCE INFORMATION	
REFS	0.1790 SQ FT
REFL	15.7370 INCHES
REFB	11.3390 INCHES
XMRP	9.8400 INCHES
YMRP	0.0000 INCHES
ZMRP	0.3840 INCHES
SCALE	0.0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 6.0 DEG



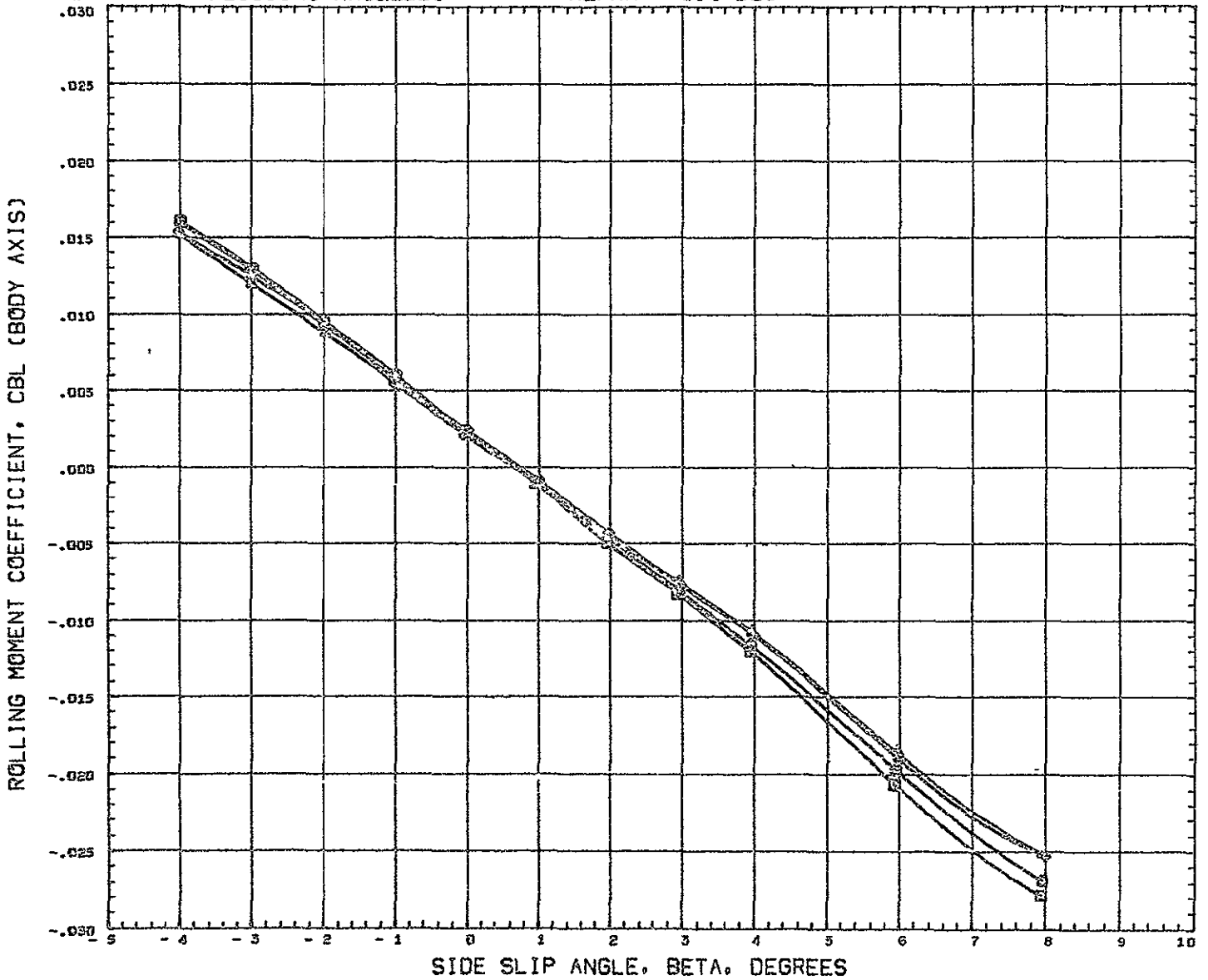
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6009)	MAAL 632 SSV-STP WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 6.000
(RC6014)	MAAL 632 SSV-STP WING FORCE-NAC B6 N3 W10 H12 V5	
(RC6024)	MAAL 632 SSV-STP WING FORCE-NAC B6 N4 W10 H12 V5	
(RC6019)	MAAL 632 SSV-STP WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
PEFB	11 3390	INCHES
XMRP	9.8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 6.0 DEG



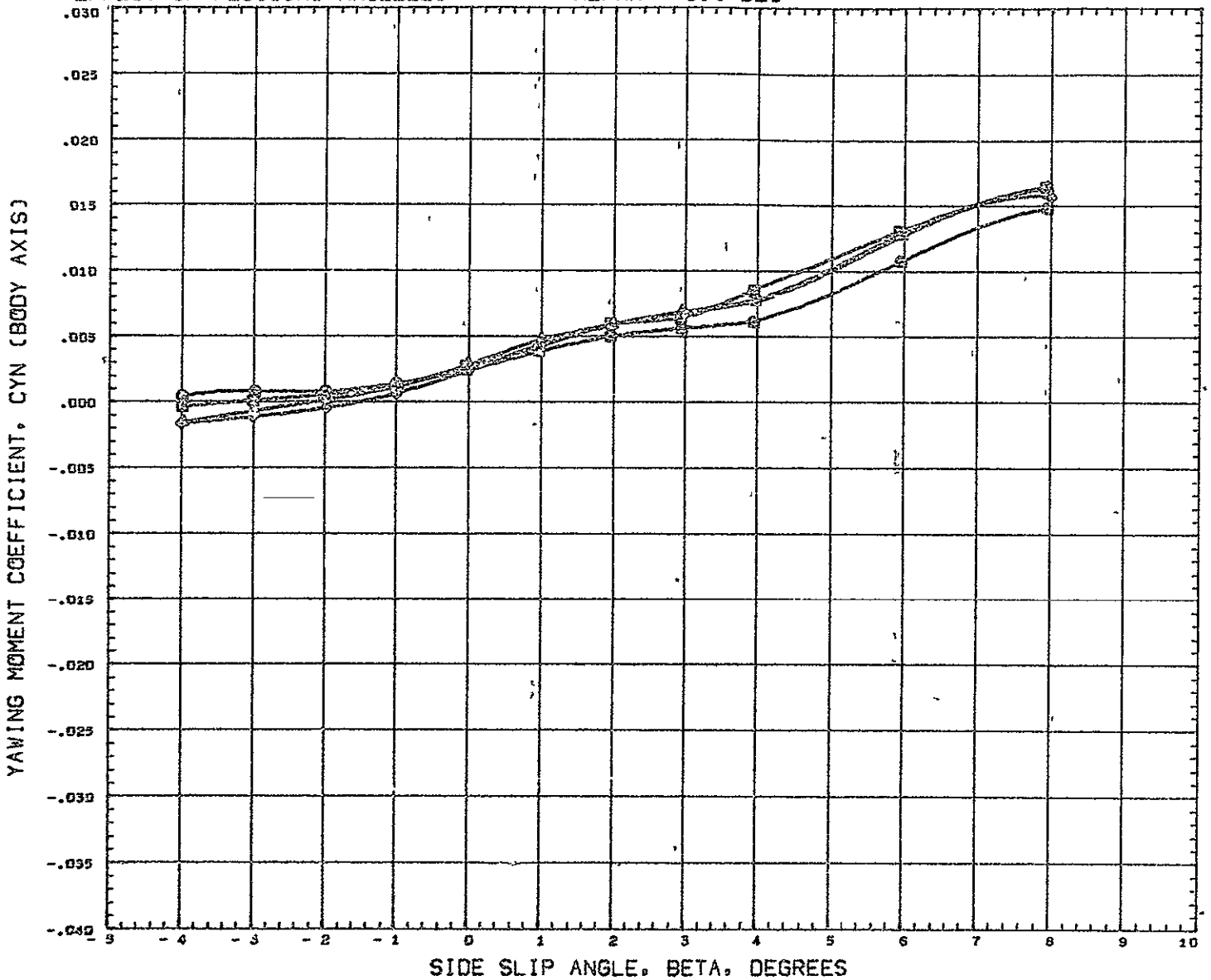
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC0009)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 6.000
(TC0014)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(TC0024)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	
(TC0019)	△ NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XNPP	9	8400 INCHES
YNRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 6.0 DEG

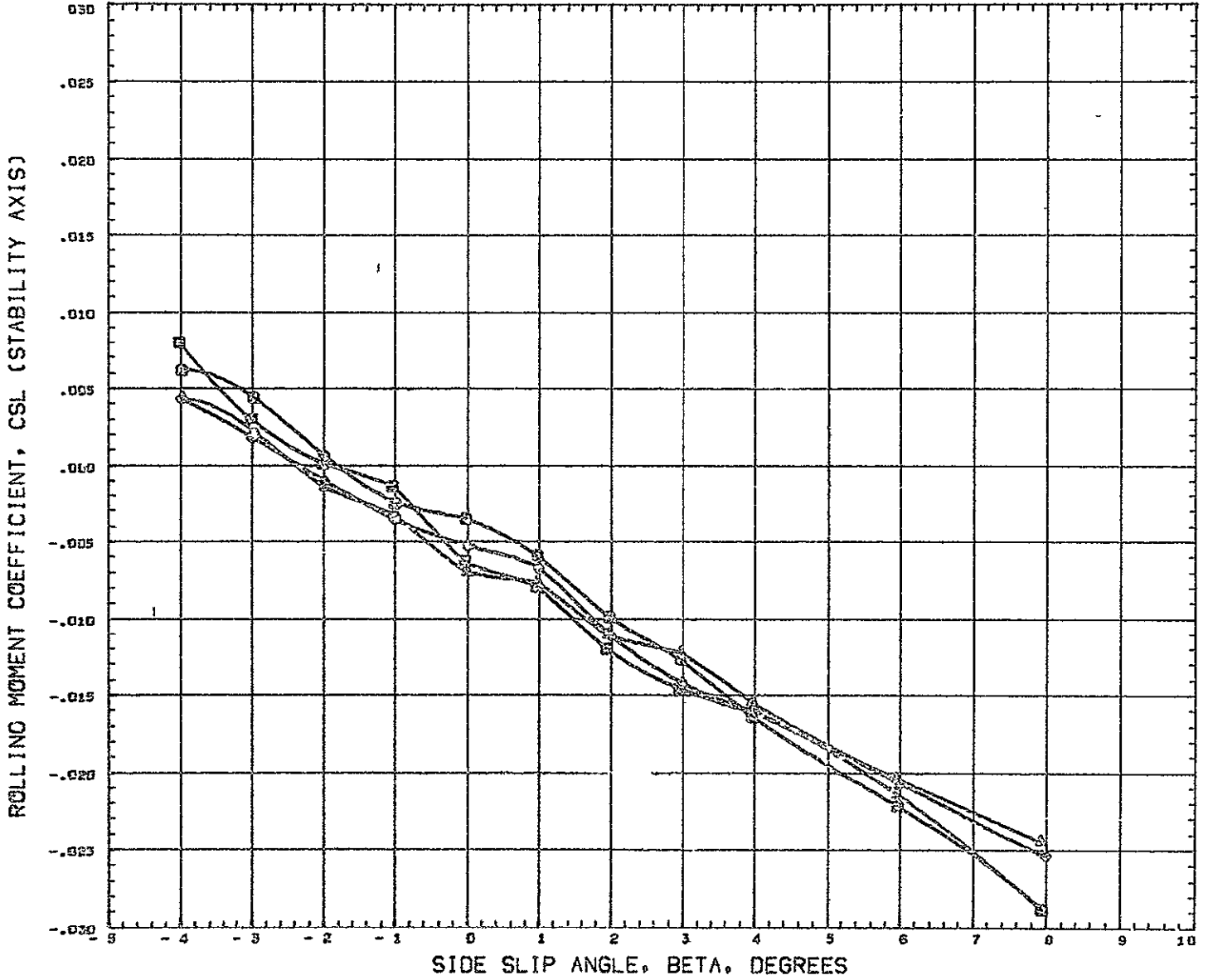


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6009)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 6.000	REFS 0 1790 SQ FT
(TC6014)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5		REFL 15 7370 INCHES
(TC6024)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(TC6019)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.299

EFFECT OF PLUGGING NACELLES

ALPHA = 12.0 DEG

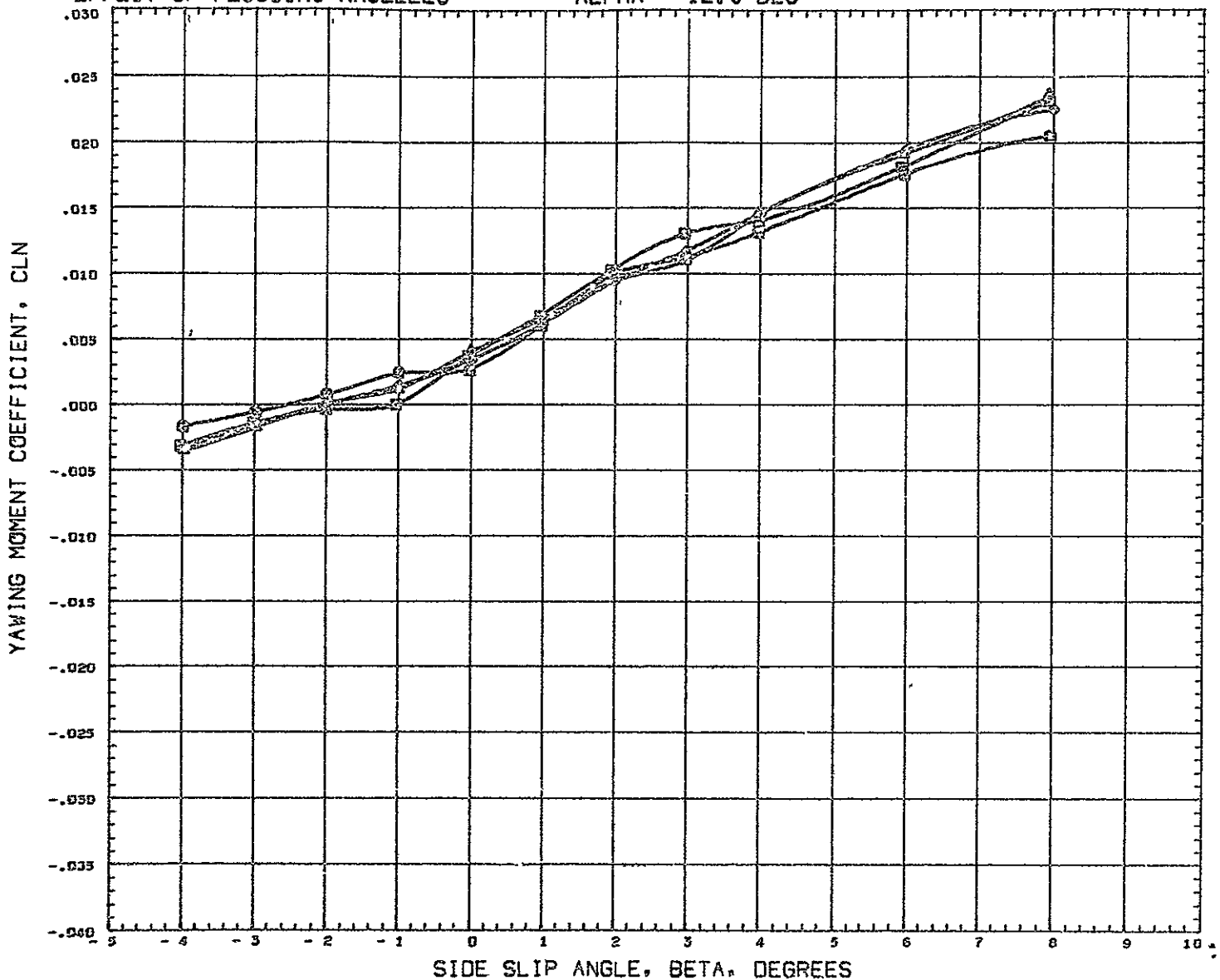


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 12.000	RCFS 0 1790 SQ FT
(RCG015)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		REFL 15 7370 INCHES
(RCG025)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5		REFB 11 3390 INCHES
(RCG020)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5		XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0 259

EFFECT OF PLUGGING NACELLES

ALPHA = 12.0 DEG



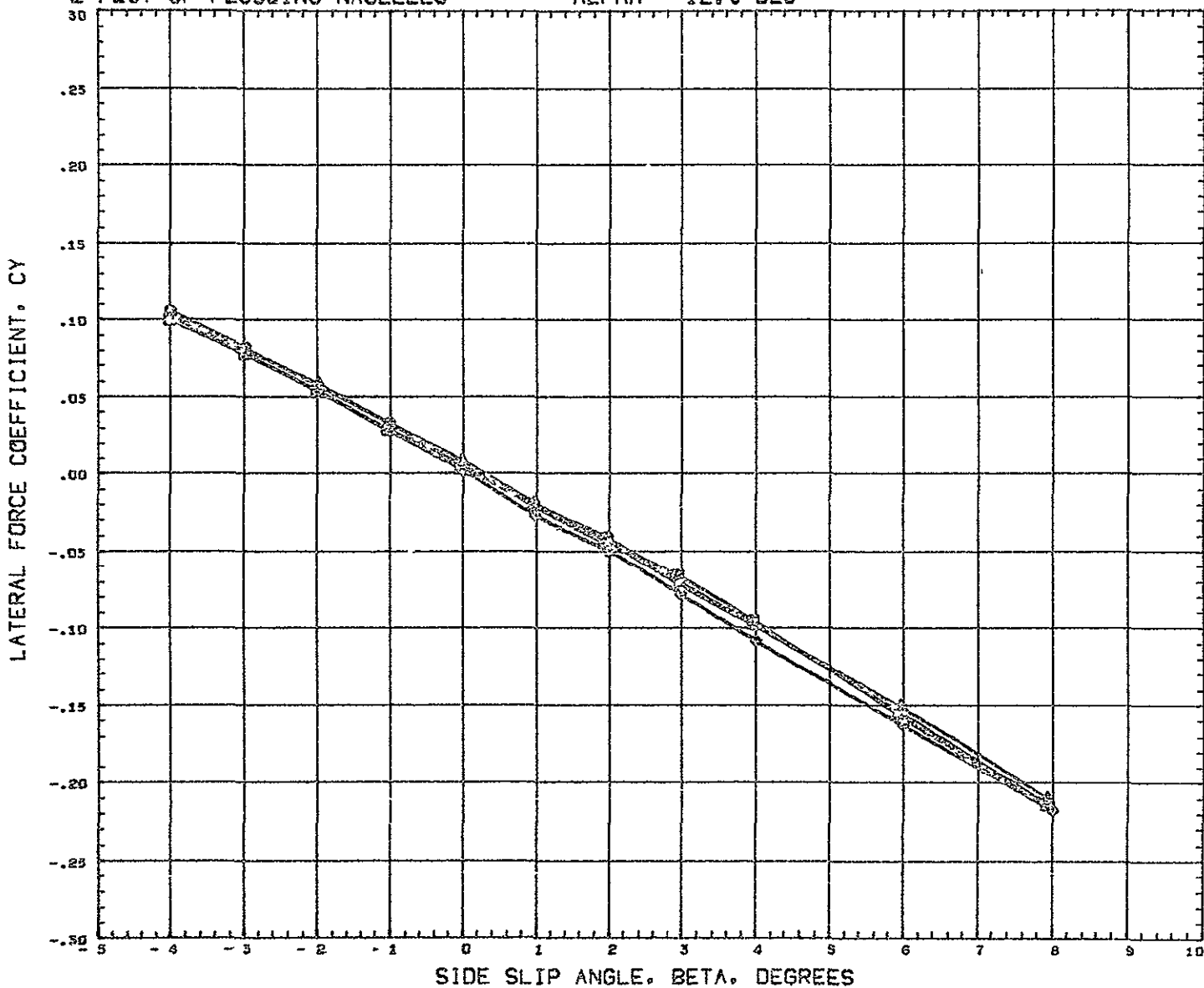
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 12.000
(RCG013)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(RCG023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	
(RCG020)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
PEFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3800 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 12.0 DEG



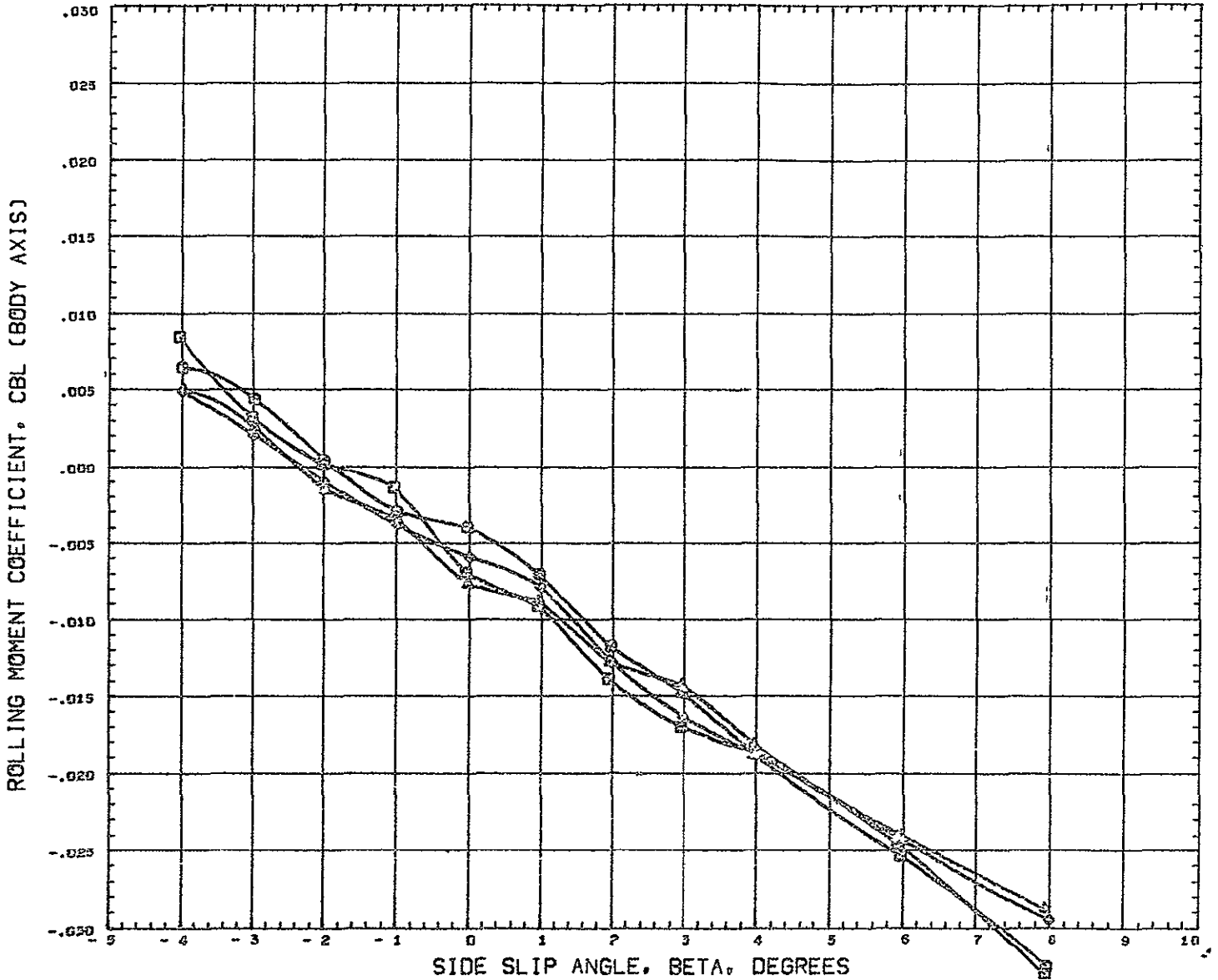
DATA SET SYMBCL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 12.000
(RCG015)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(RCG025)	NAAL 632 SSV-STR WING FORCE-NAC B5 N4 W10 H12 V5	
(RCG020)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION	
REFS	0 1790 SQ.FT
REFL	15 7370 INCHES
REFB	11 3390 INCHES
XHRF	9 8400 INCHES
YHRF	0 0000 INCHES
ZHRF	0 3840 INCHES
SCALE	0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 12.0 DEG



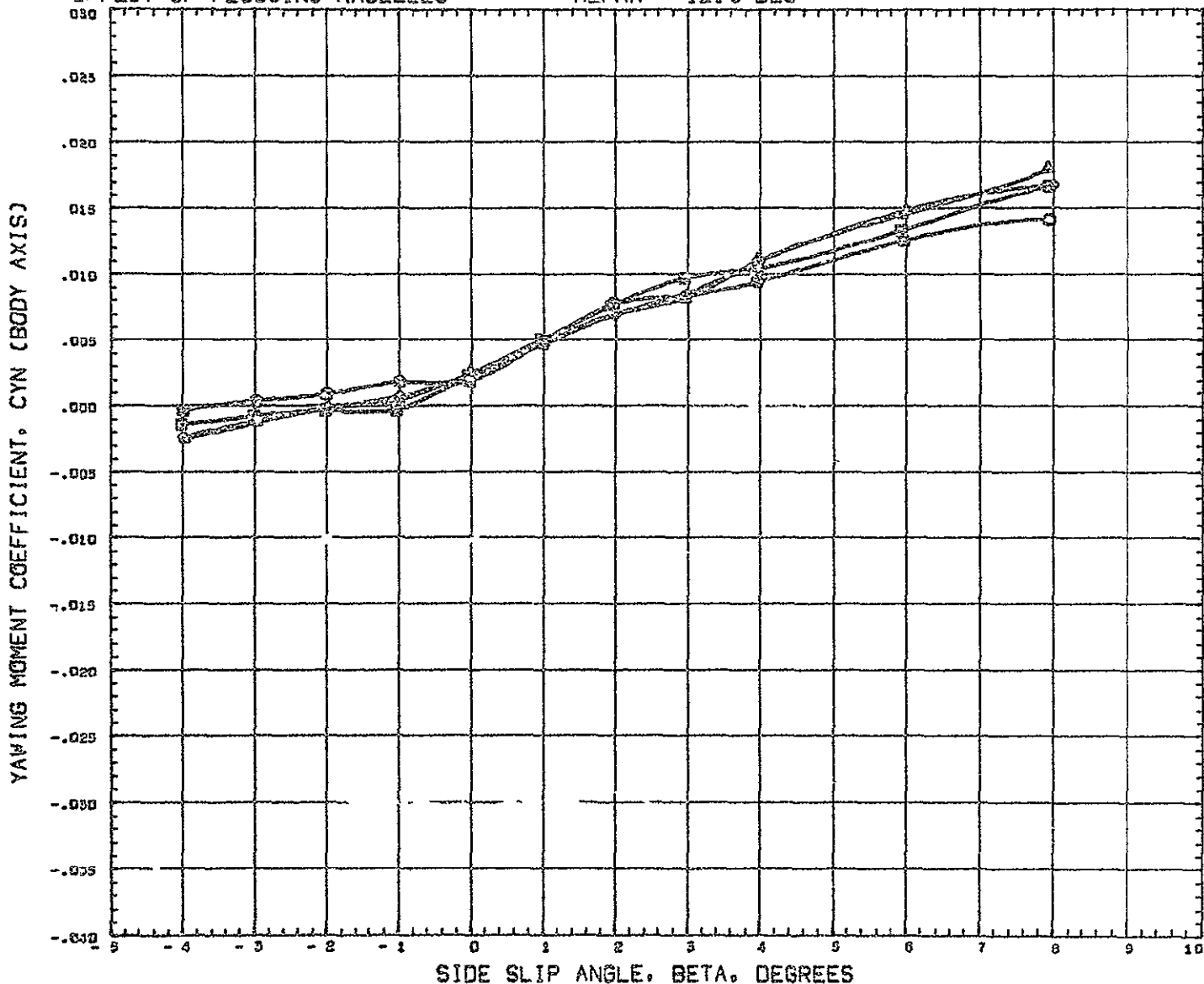
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TCG010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 12.000
(TCG015)	NAAL 632 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(TCG025)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	
(TCG020)	NAAL 632 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF PLUGGING NACELLES

ALPHA = 12.0 DEG



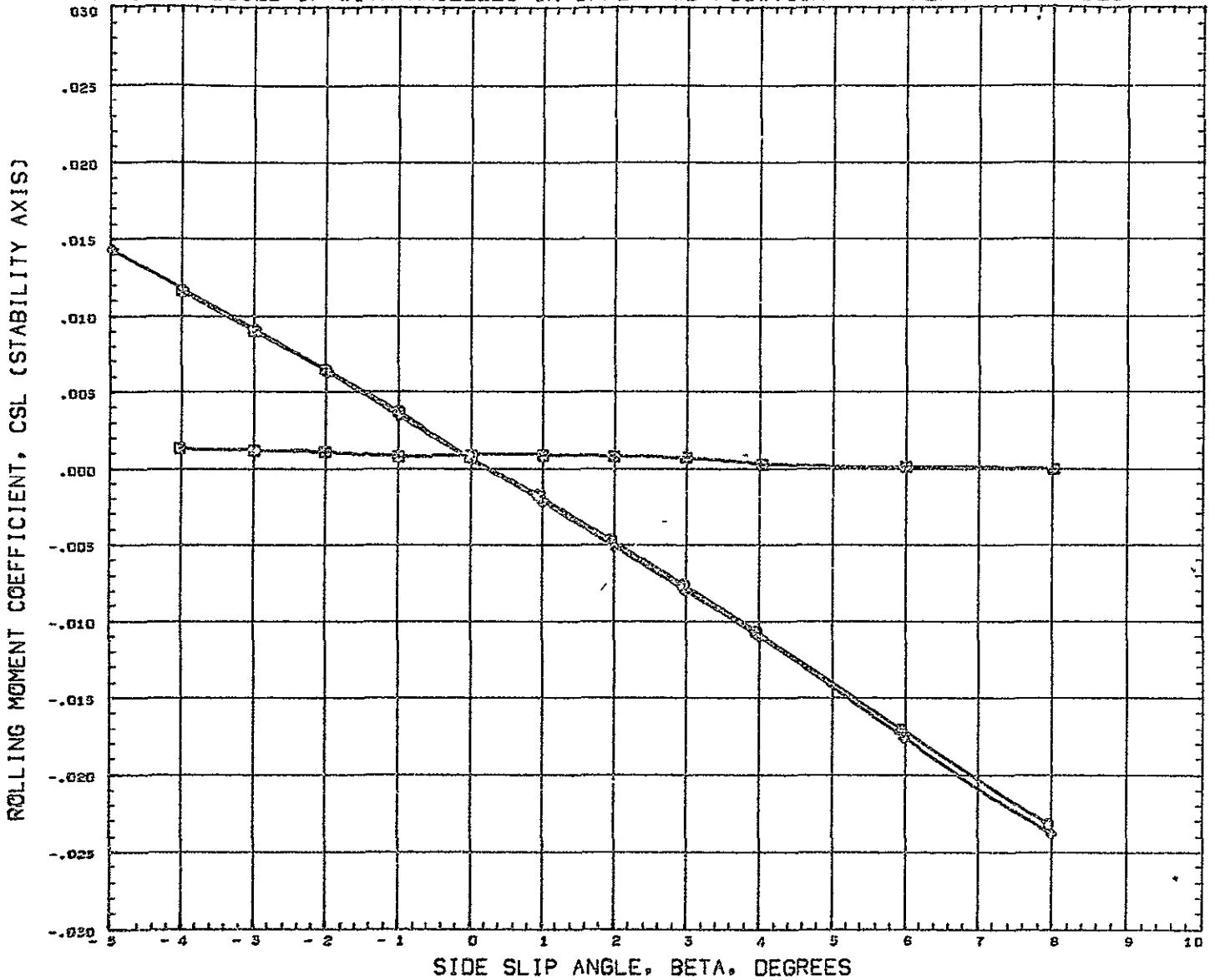
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC0010)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 12.000
(TC0014)	NAAL 032 SSV-STR WING FORCE-NAC B6 N3 W10 H12 V5	
(TC0025)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	
(TC0020)	NAAL 032 SSV-STR WING FORCE-NAC B6 N5 W10 H12 V5	

REFERENCE INFORMATION	
REFS	0 1790 SQ FT
REFL	15.7370 INCHES
REFS	11.3590 INCHES
XMRP	9.8400 INCHES
YMRP	0.0000 INCHES
ZMRP	0 3840 INCHES
SCALE	0.0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 0.0 DEG



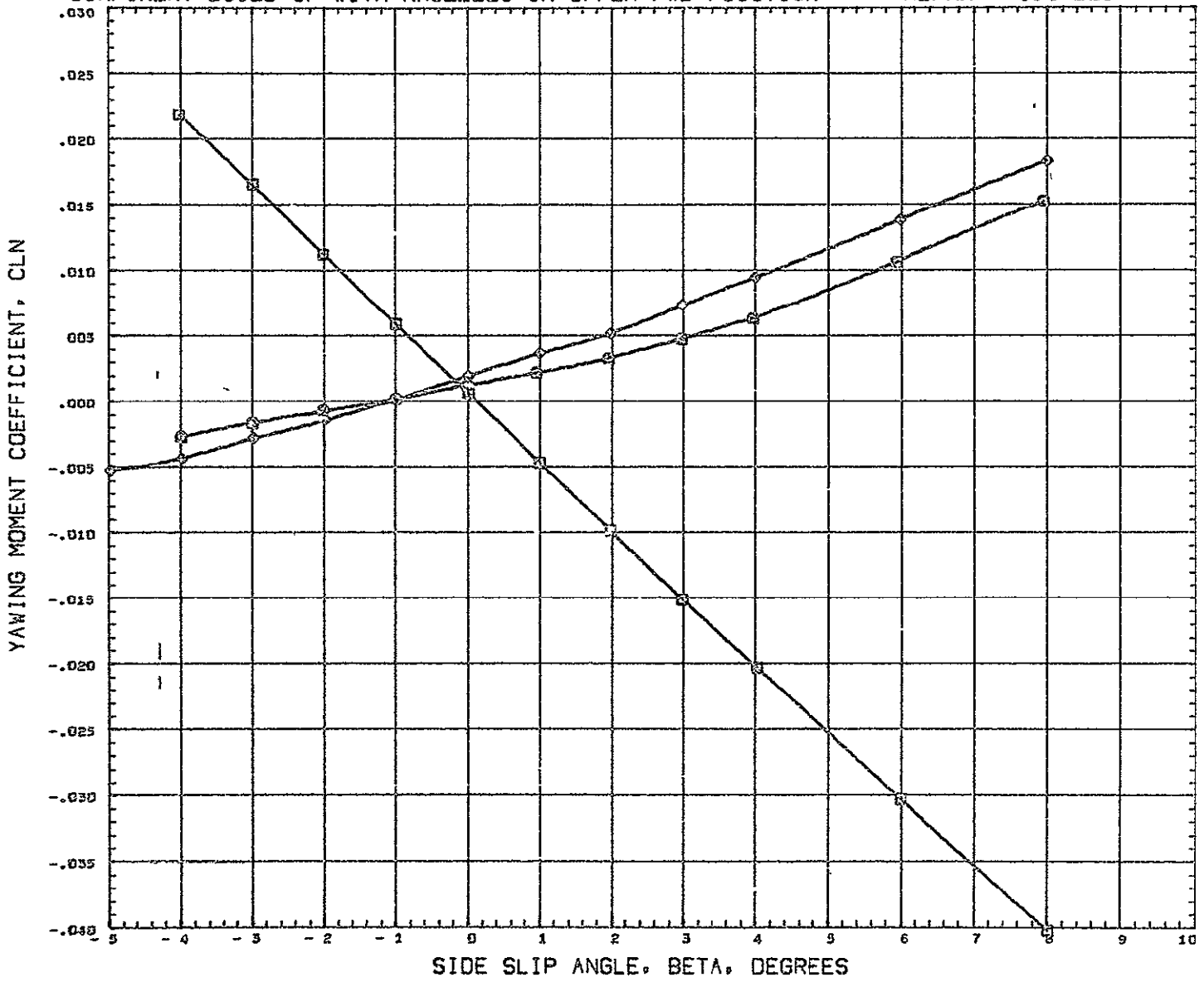
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6000)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0.000
(RC6033)	NAAL 032 SSV-STR WING FORCE-NAC B6 N2 W10 H12	
(RC6055)	NAAL 032 SSV-STR WING FORCE-NAC B5 N2 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 0.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RCC008) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5

(RCC030) ◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12

(RCC053) ○ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5

PARAMETRIC VALUES

ALPHA 0 000

REFERENCE INFORMATION

REFS 0 1790 SQ FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XMRP 9 8400 INCHES

YMRP 0 0 0 INCHES

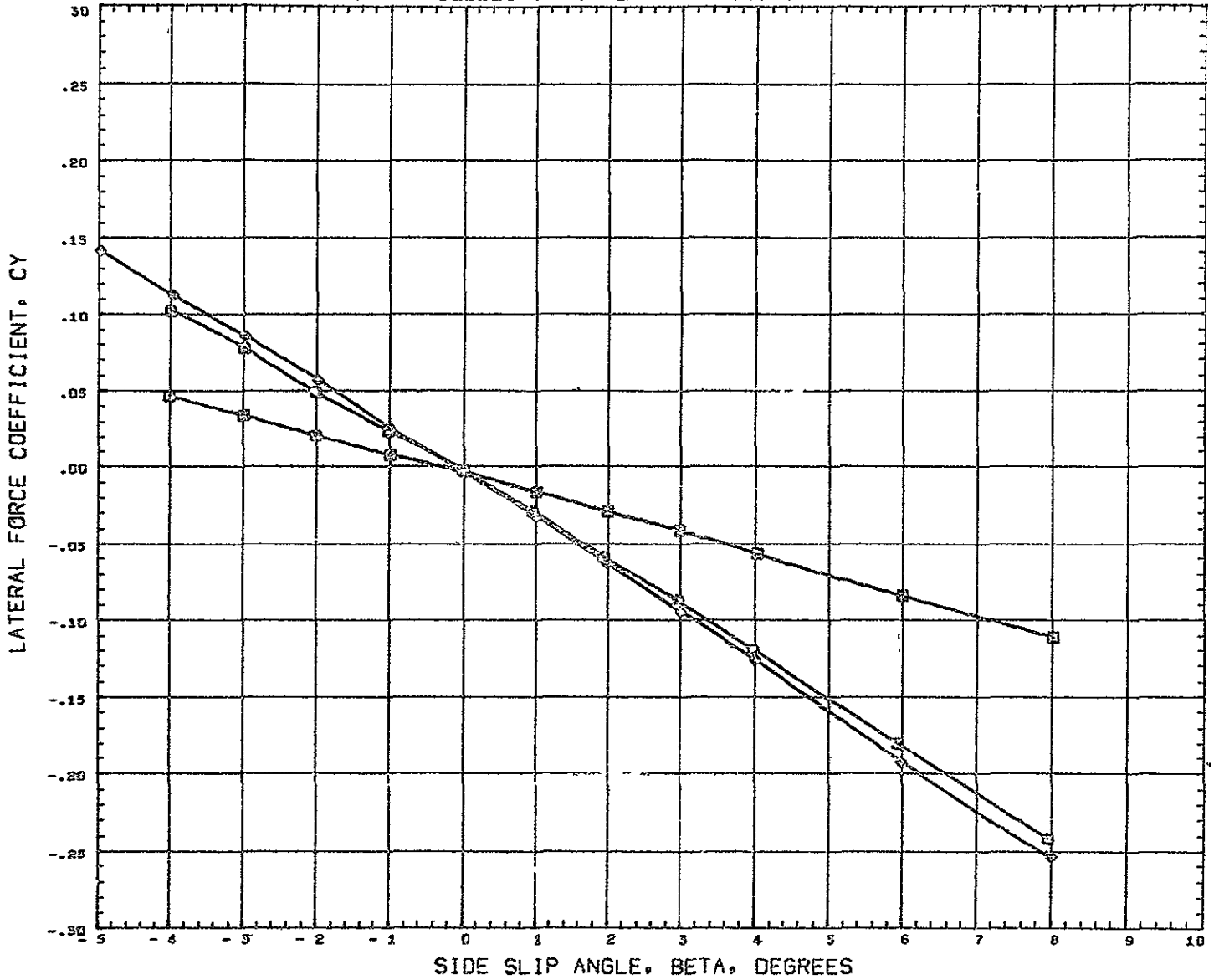
ZMRP 0 3840 INCHES

SCALE 0 0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 0.0 DEG



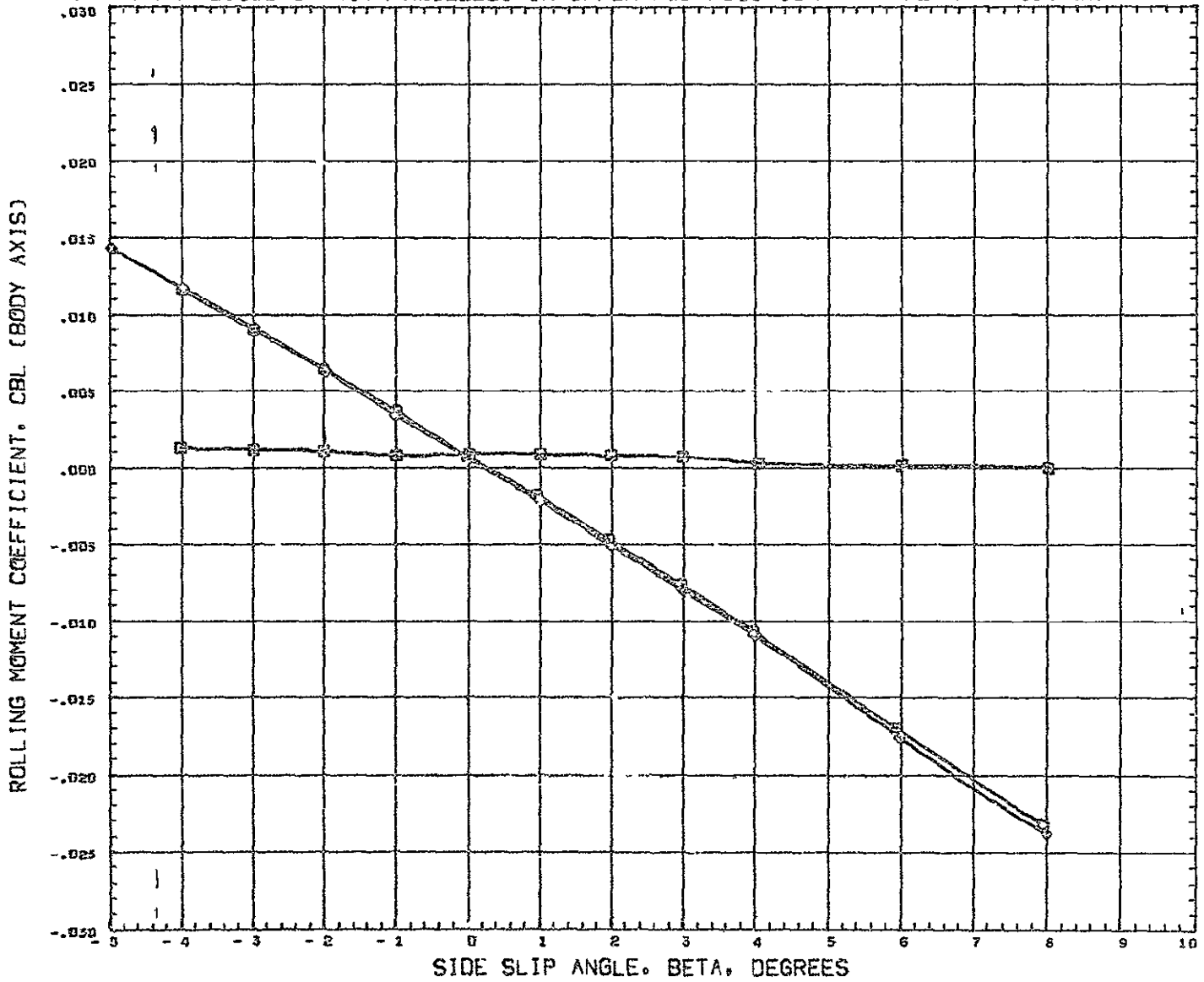
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6000)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0.000
(RC6030)	N1AL 632 SSV-STR WING FORCE-NAL B6 N2 W10 H12	
(RC6053)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	6400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 0.0 DEG



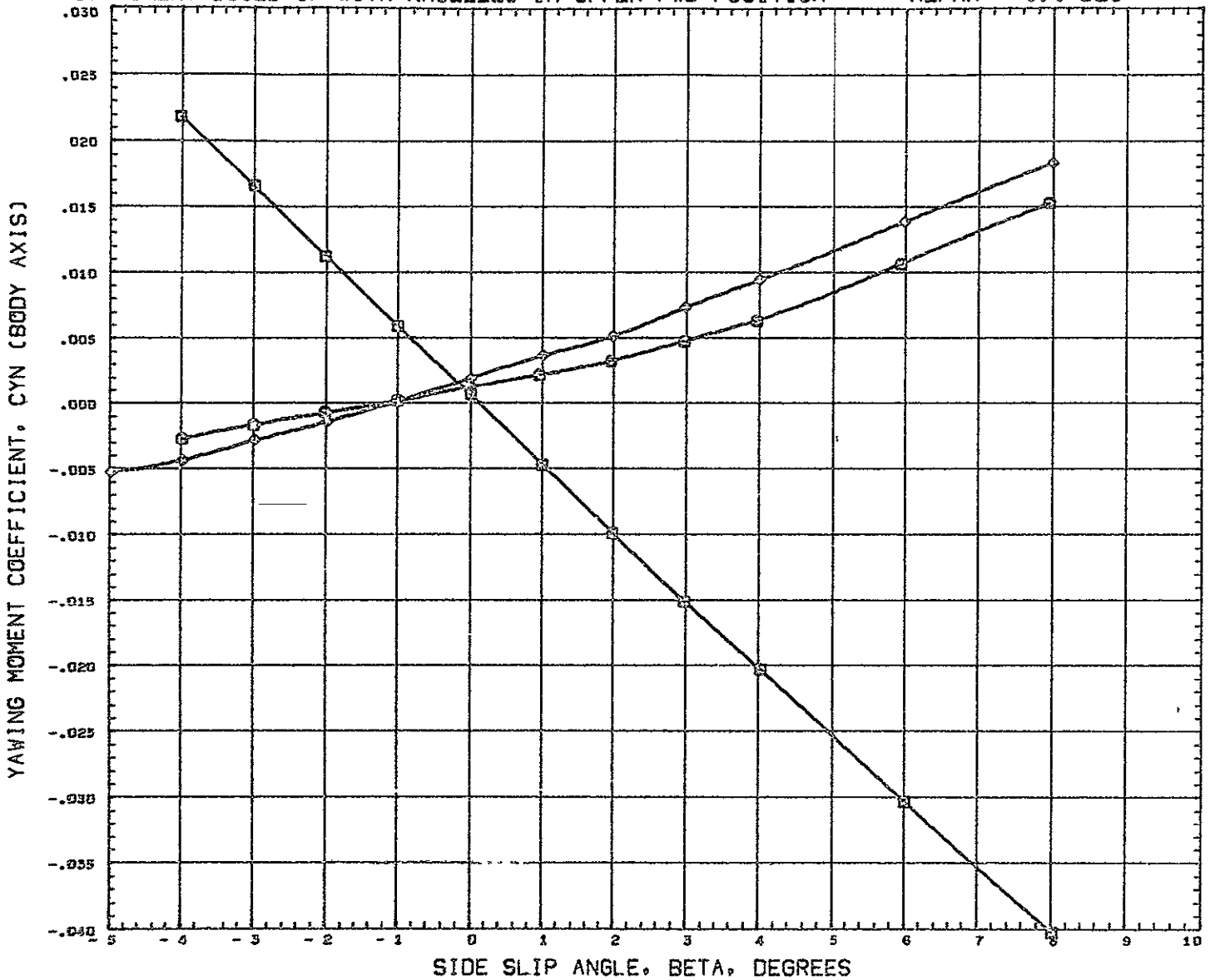
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PAPANETRIC VALUES
(TC6038)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0 000
(TC6053)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 0.0 DEG



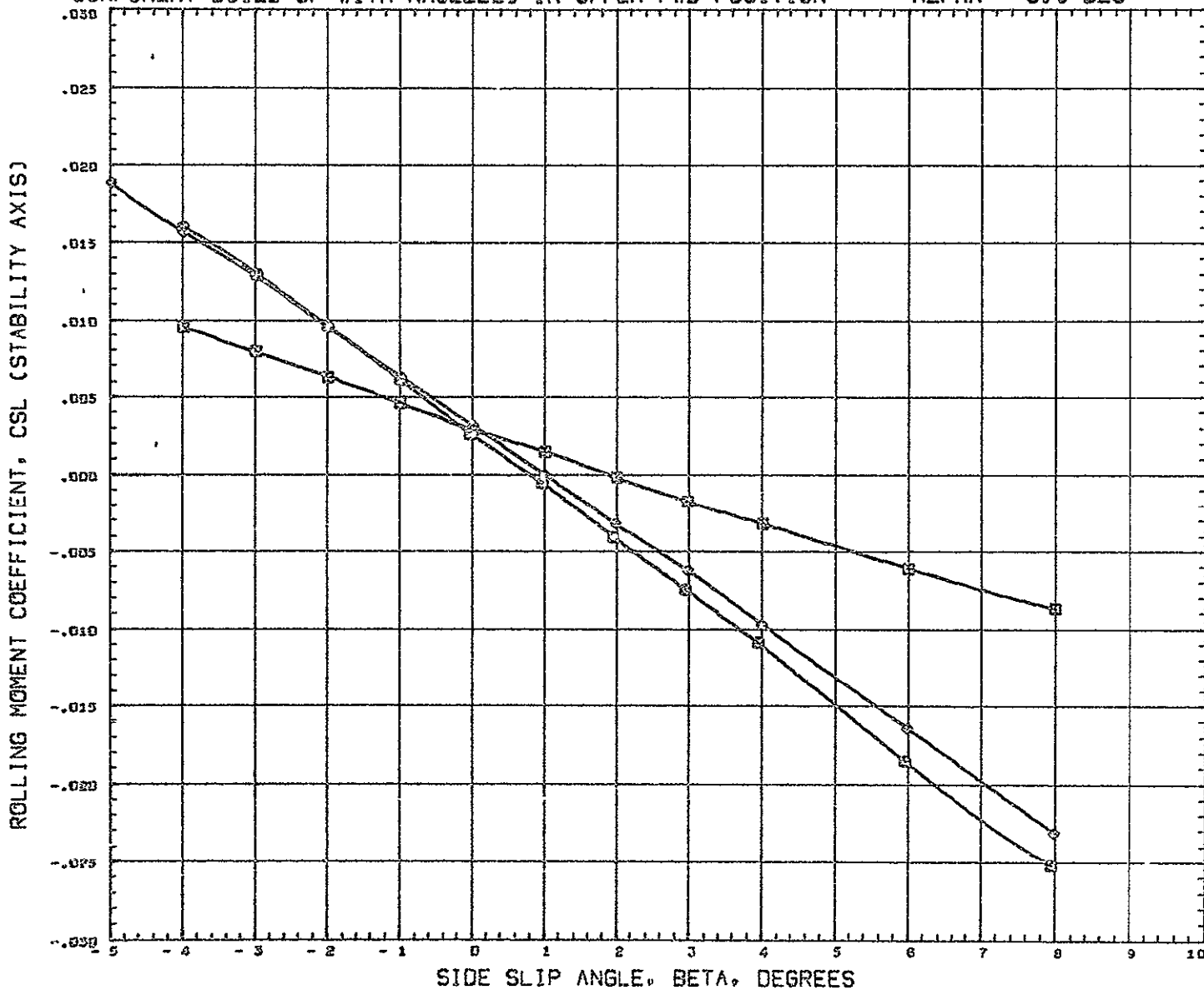
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6000)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 0 000
(TC6036)	HAAL 632 SSV-STR WING FORCE-NAC B5 M2 W10 F12	
(TC6053)	HAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRF	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

HACH D.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 6.0 DEG



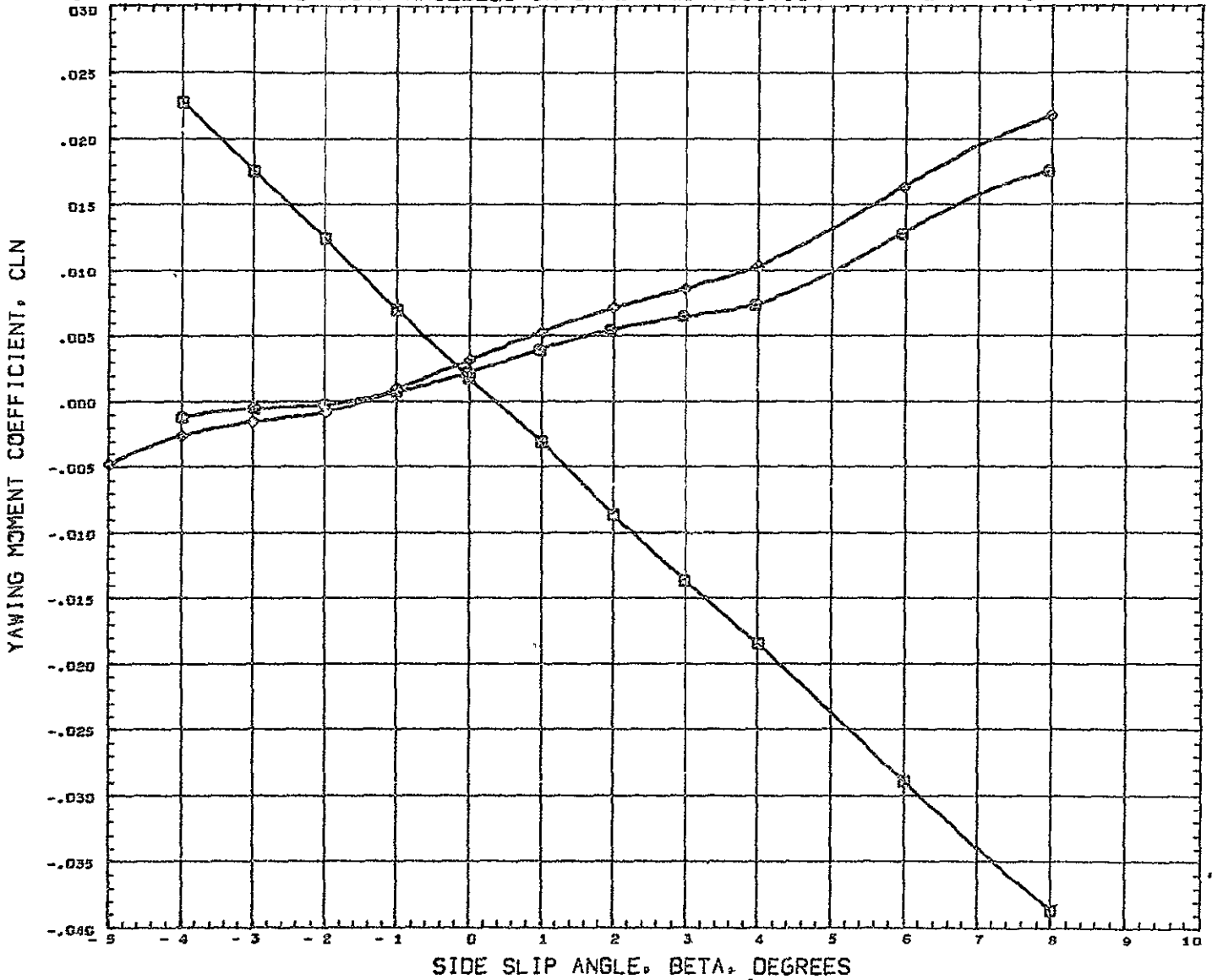
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(R00000)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 6.000
(R00030)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12	
(R00054)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0600 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 6.0 DEG

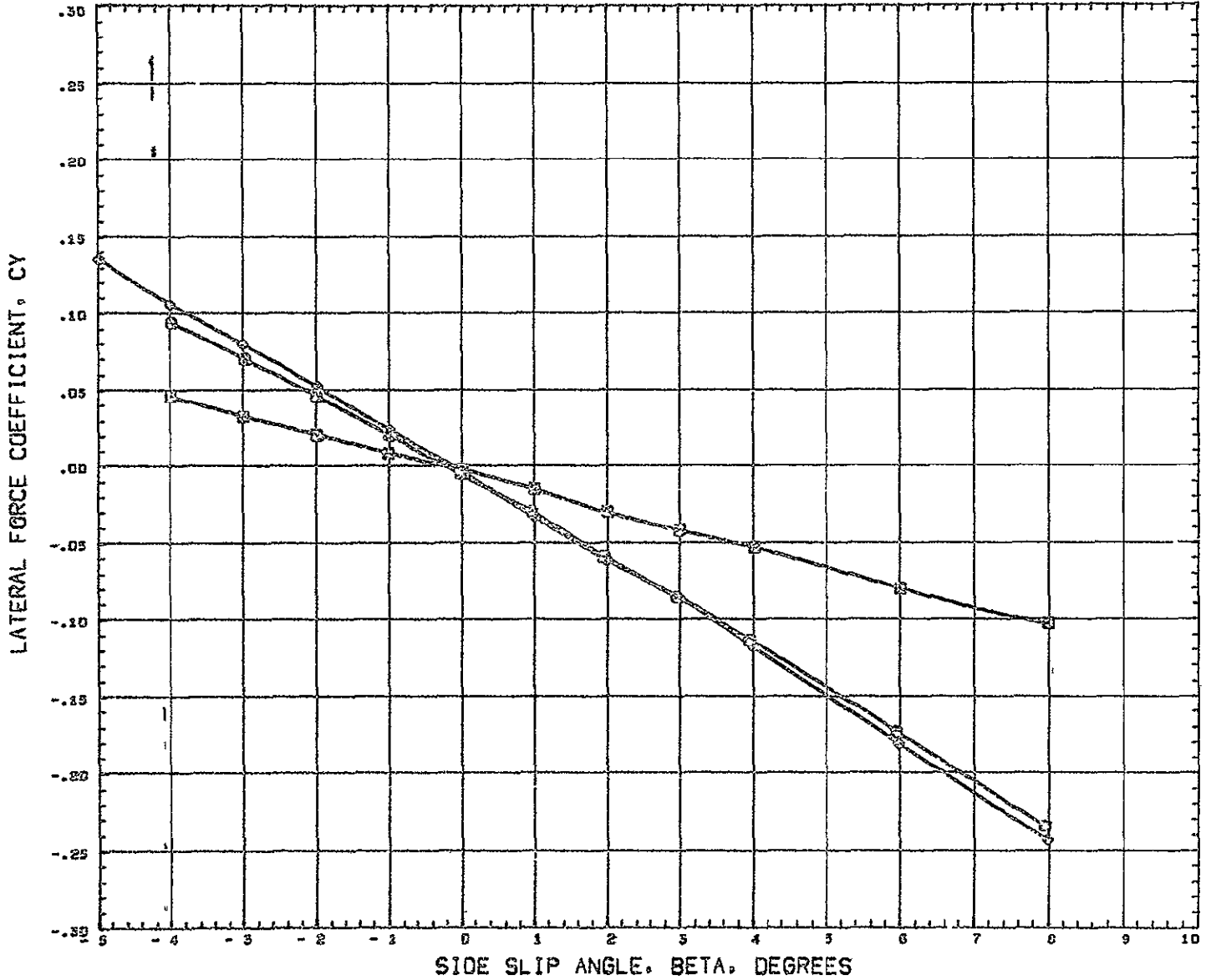


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6009)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 6 000
(RC6039)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12	
(RC6054)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

NACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION ALPHA = 6.0 DEG

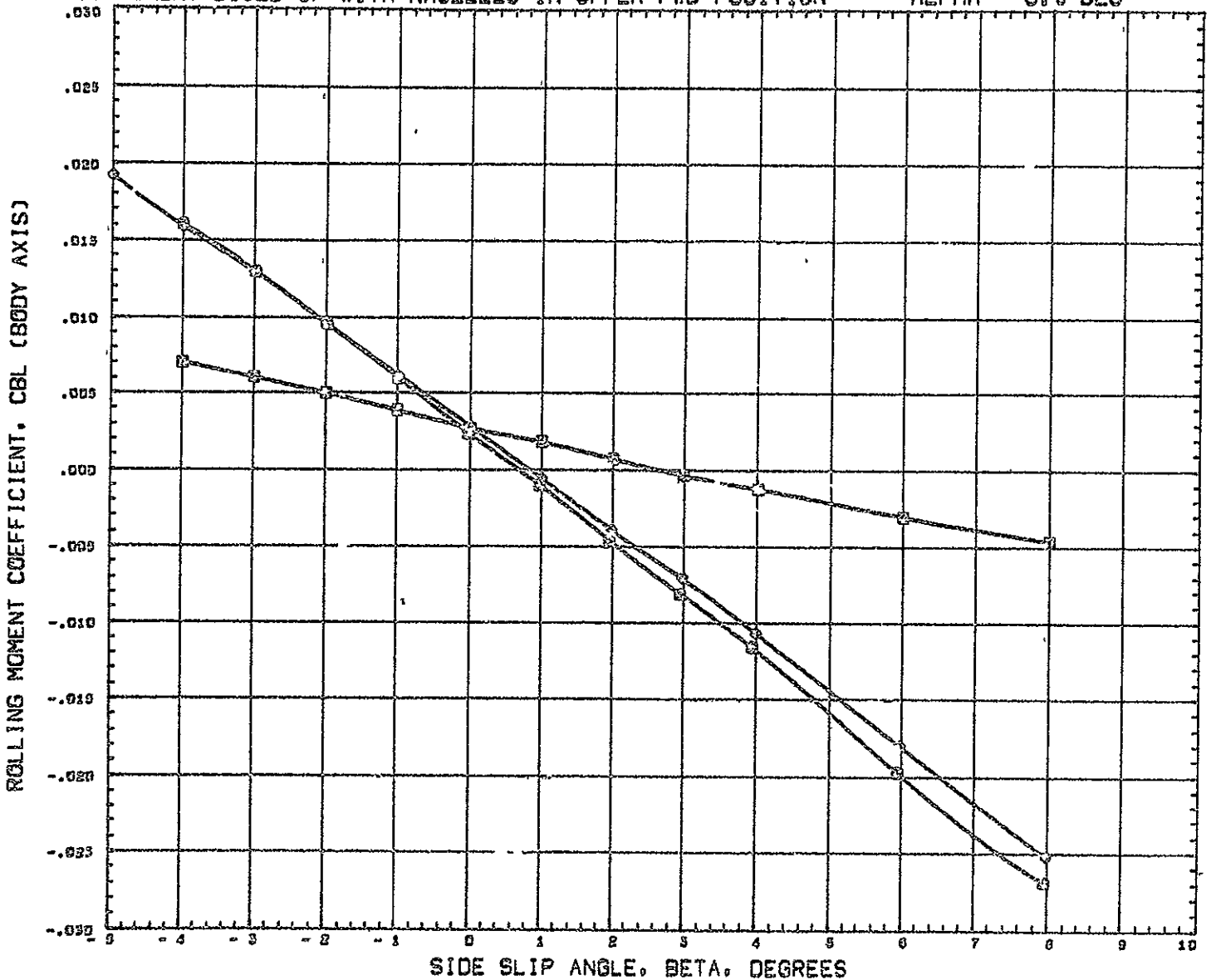


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6009)	NAAL 632 SSV-STR WING FORCE-NAC B5 N2 W10 H12 V5	ALPHA 6.000	REFS 0.1790 SQ.FT
(RC6039)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12		REPL 15.7370 INCHES
(RC6054)	NAAL 632 SSV-STR WING FORCE-NAC B5 N2 W10 V5		REFB 11.3390 INCHES
			XHRP 9.8400 INCHES
			YHRP 0.0000 INCHES
			ZHRP 0.3840 INCHES
			SCALE 0.0076 SCALE

NACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 6.0 DEG



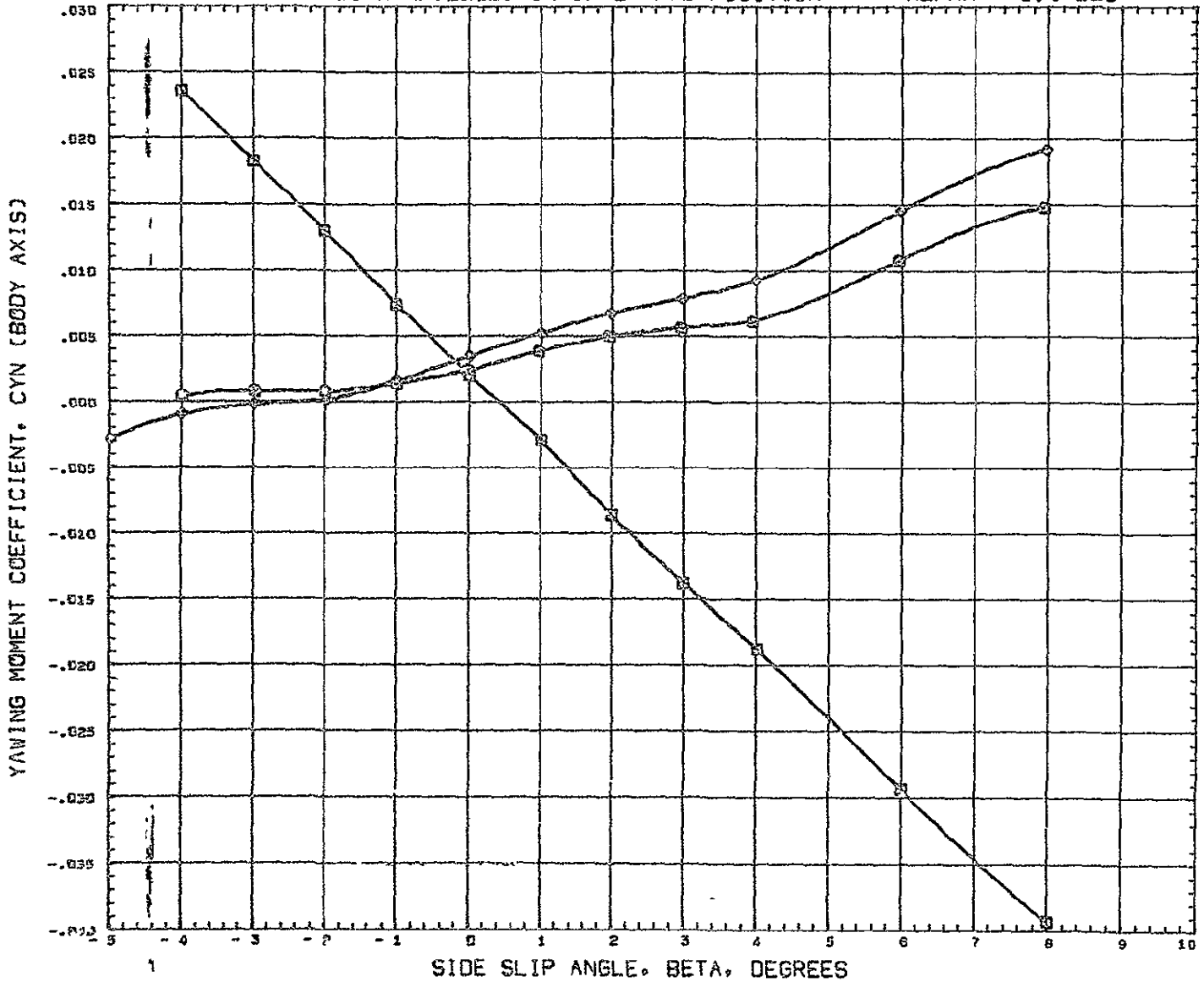
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC0009)	NAAL 032 35V-3TR WING FORCE-NAC 08 N2 W10 H12 V3	ALPHA 6.000
(TC0039)	NAAL 032 38V-3TR WING FORCE-NAC 08 N2 W10 H12	
(TC0054)	NAAL 032 38V-3TR WING FORCE-NAC 08 N2 W10 V5	

REFERENCE INFORMATION		
REFS	0.1790	SQ. FT
REFL	15.7320	INCHES
REFB	11.3330	INCHES
XMRP	9.4400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TCG009)	NAAL 632 SSV-STR WING FORCE-NAC B6 H2 W10 H12 V5	ALPHA 6.000
(TCG033)	NA-L 632 SSV-STR WING FORCE-NAC B6 H2 W10 H12	
(TCG034)	NAAL 632 SSV-STR WING FORCE-NAC B6 H2 W10 V5	

REFERENCE INFORMATION

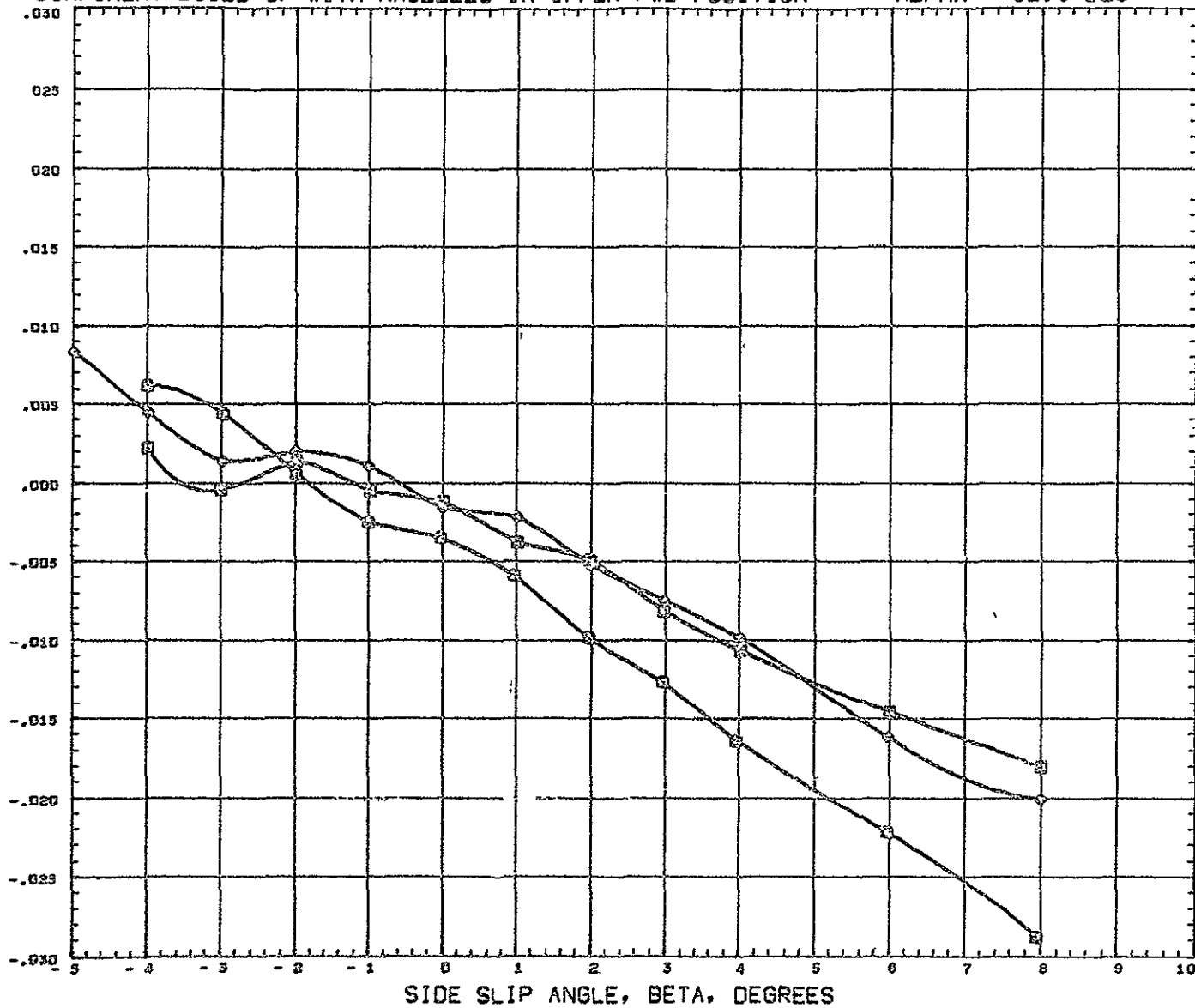
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REPL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YMRP	0	0000	INCHES
ZMRP	0	3840	INCHES
SCALE	0	0076	SCALE

MACH 0.299

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG

ROLLING MOMENT COEFFICIENT, CSL (STABILITY AXIS)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG010)	NAAL 632 55V-STP WING FORCE-NAC B5 N2 W10 H12 V5	ALPHA 12.000
(RCG040)	NAAL 632 55V-STP WING FORCE-NAC B6 N2 W10 H12	
(RCG055)	NAAL 632 55V-STP WING FORCE-NAC B6 N2 W10 V5	

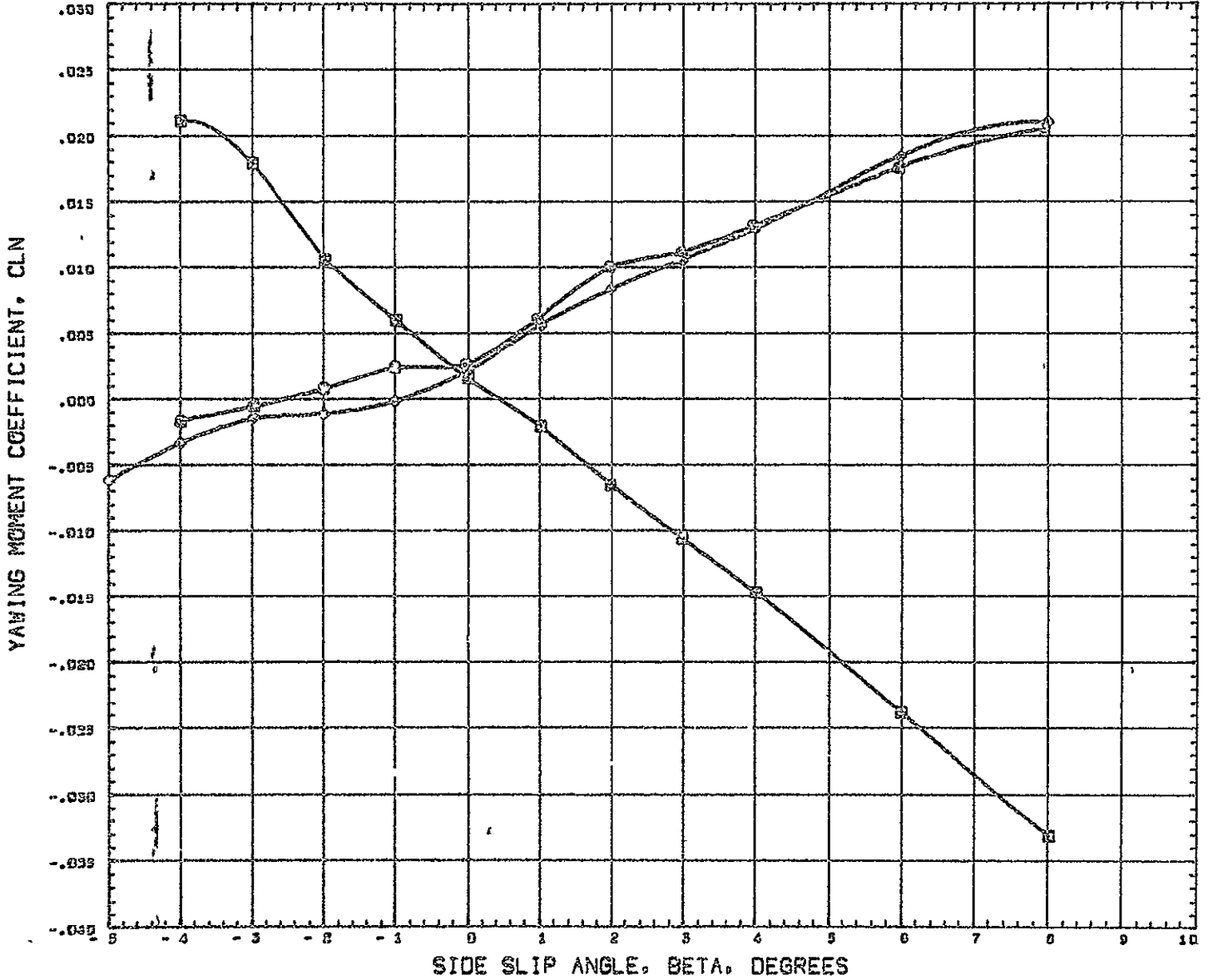
REFERENCE INFORMATION

REFS	0.1790	SG FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XMPP	9.8400	INCHES
YMPP	0.0000	INCHES
ZMPP	0.3840	INCHES
SCALE	0.0076	SCALE

MACH 0.299

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6010)	NAAL 032 88V-STR WING FORCE-NAC B5 N2 W10 H12 V3	ALPHA 12 000
(RC6030)	NAAL 032 80V-STR WING FORCE NAC B5 N2 W10 H12	
(RC6035)	NAAL 032 88V-STR WING FORCE-NAC B8 N2 W10 V3	

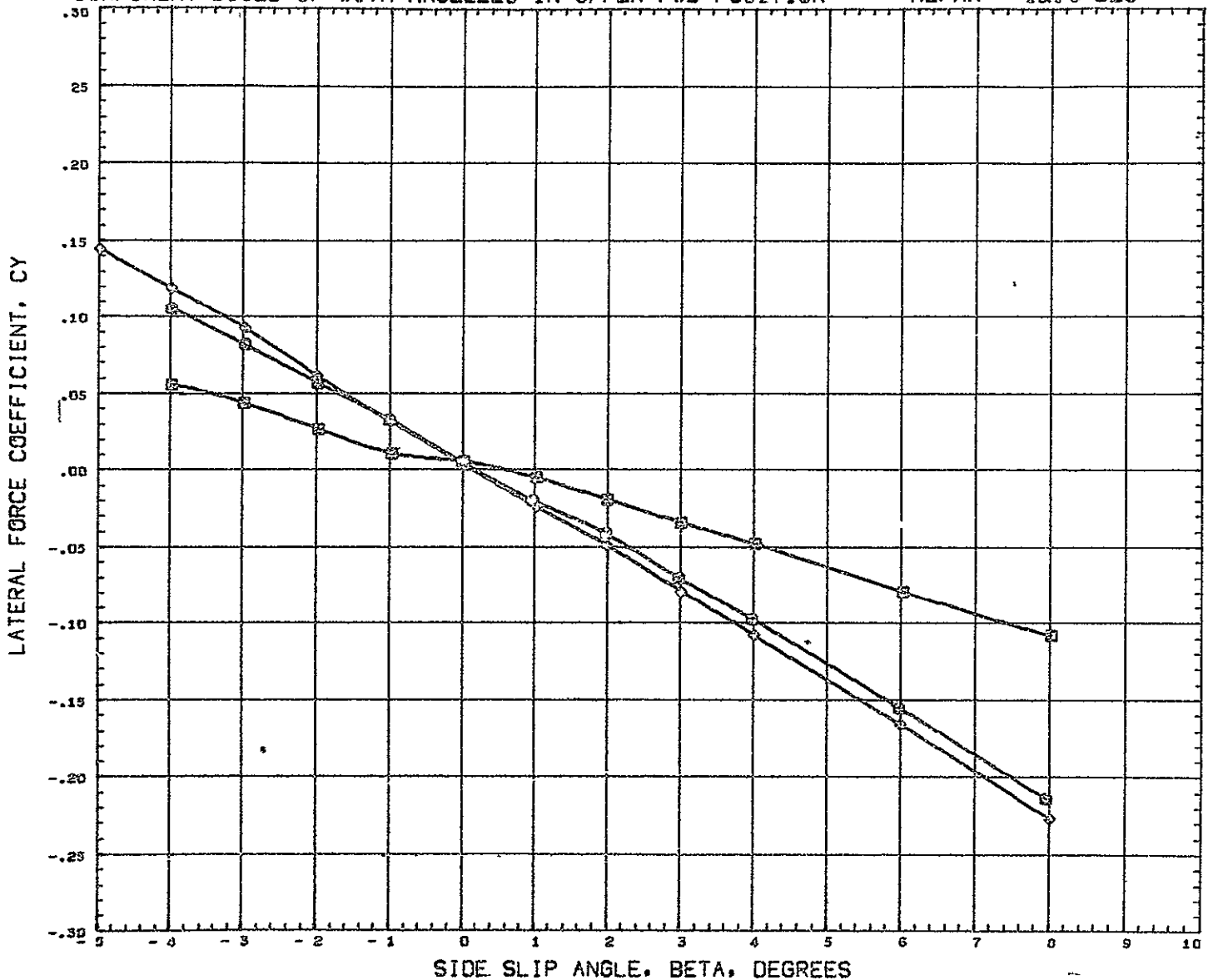
REFERENCE INFORMATION		
REFS	0.1790	SQ. FT.
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XMRP	9.8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0.0076	SCALE

MACH 0.259



COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG



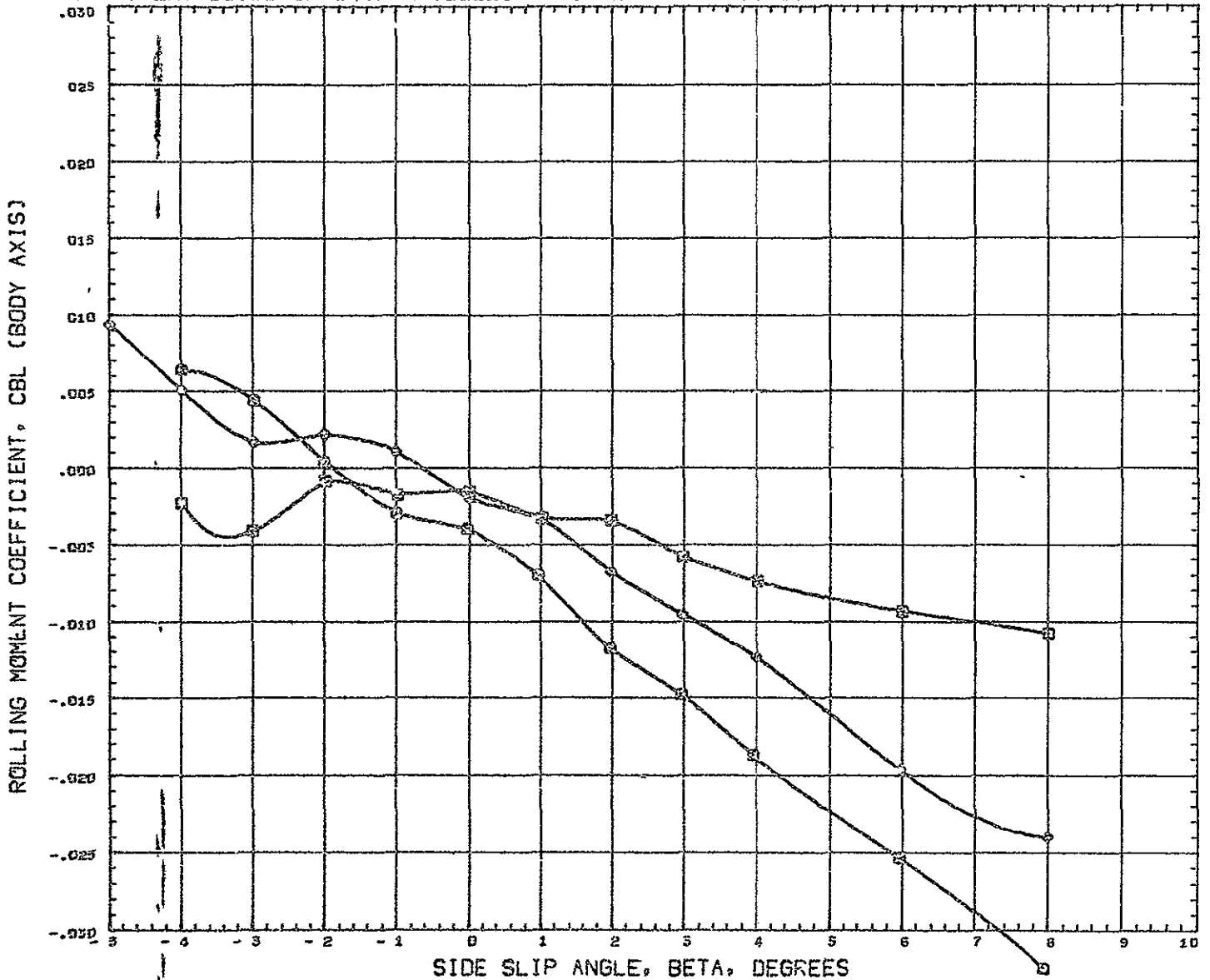
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC0010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5	ALPHA 12 000
(RC0010)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12	
(RC0055)	NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(TC6010) ○ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12 V5

(TC6060) □ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 H12

(TC6055) ◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N2 W10 V5

PARAMETRIC VALUES

ALPHA 12.00G

REFERENCE INFORMATION

REFS 0 1790 SQ FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XHRP 9 8400 INCHES

YHRP 0 0000 INCHES

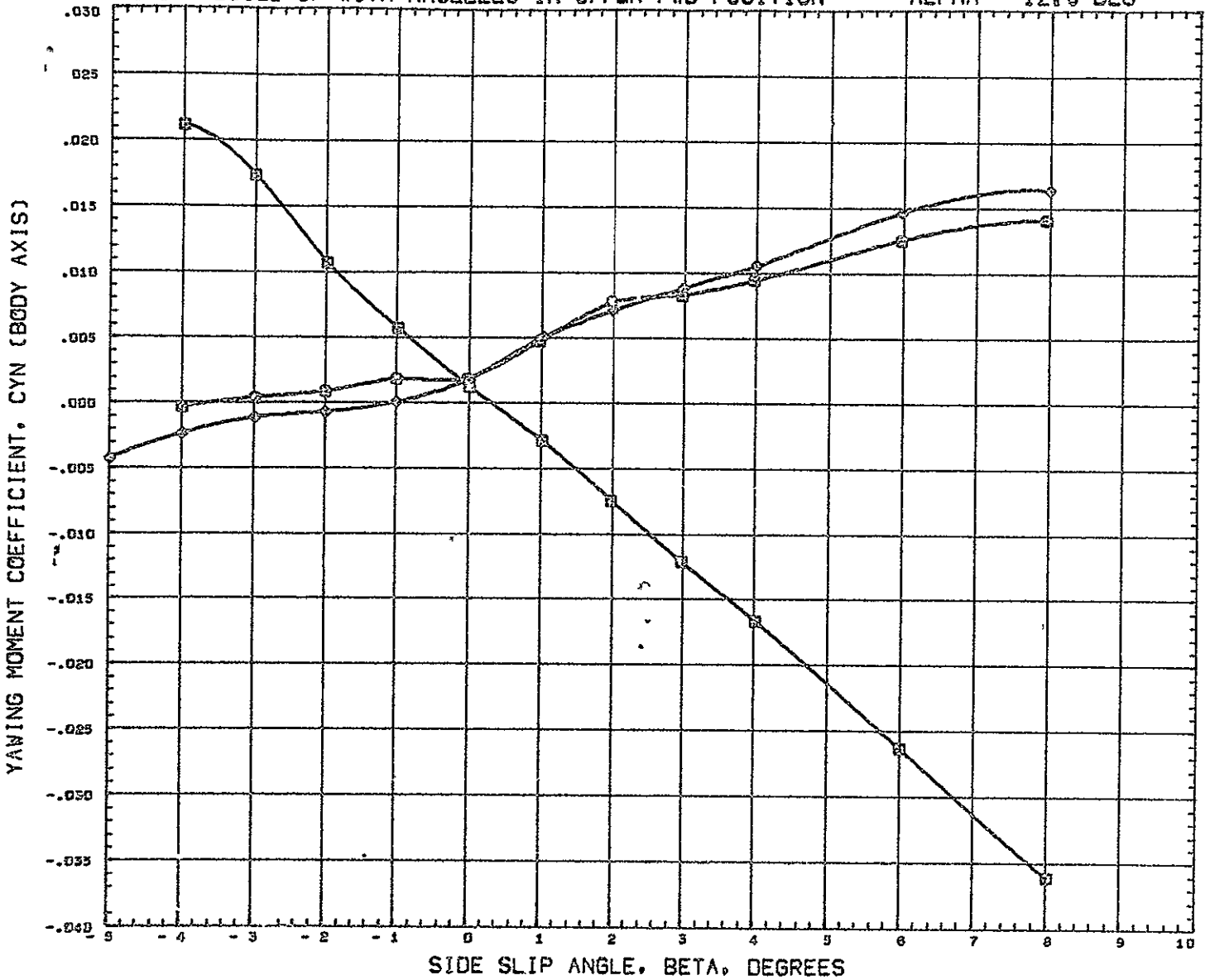
ZHRP 0 3840 INCHES

SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER FWD POSITION

ALPHA = 12.0 DEG



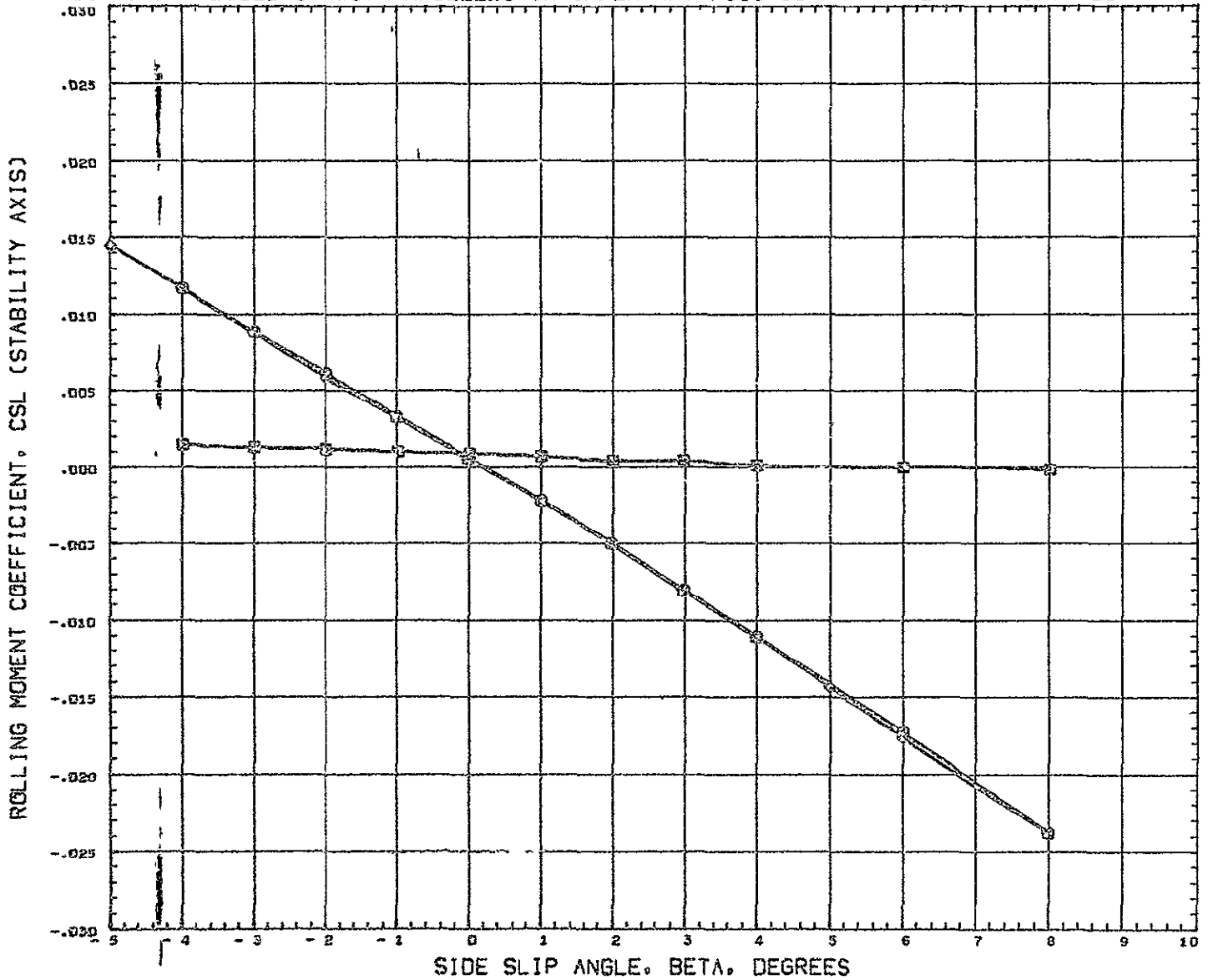
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6010)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12 V5	ALPHA 12 000
(TC6040)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 H12	
(TC6055)	NAAL 632 SSV-STR WING FORCE-MAC B6 N2 W10 V5	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRP	9 8400	INCHES
YNRP	0 0000	INCHES
ZNRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 0.0 DEG



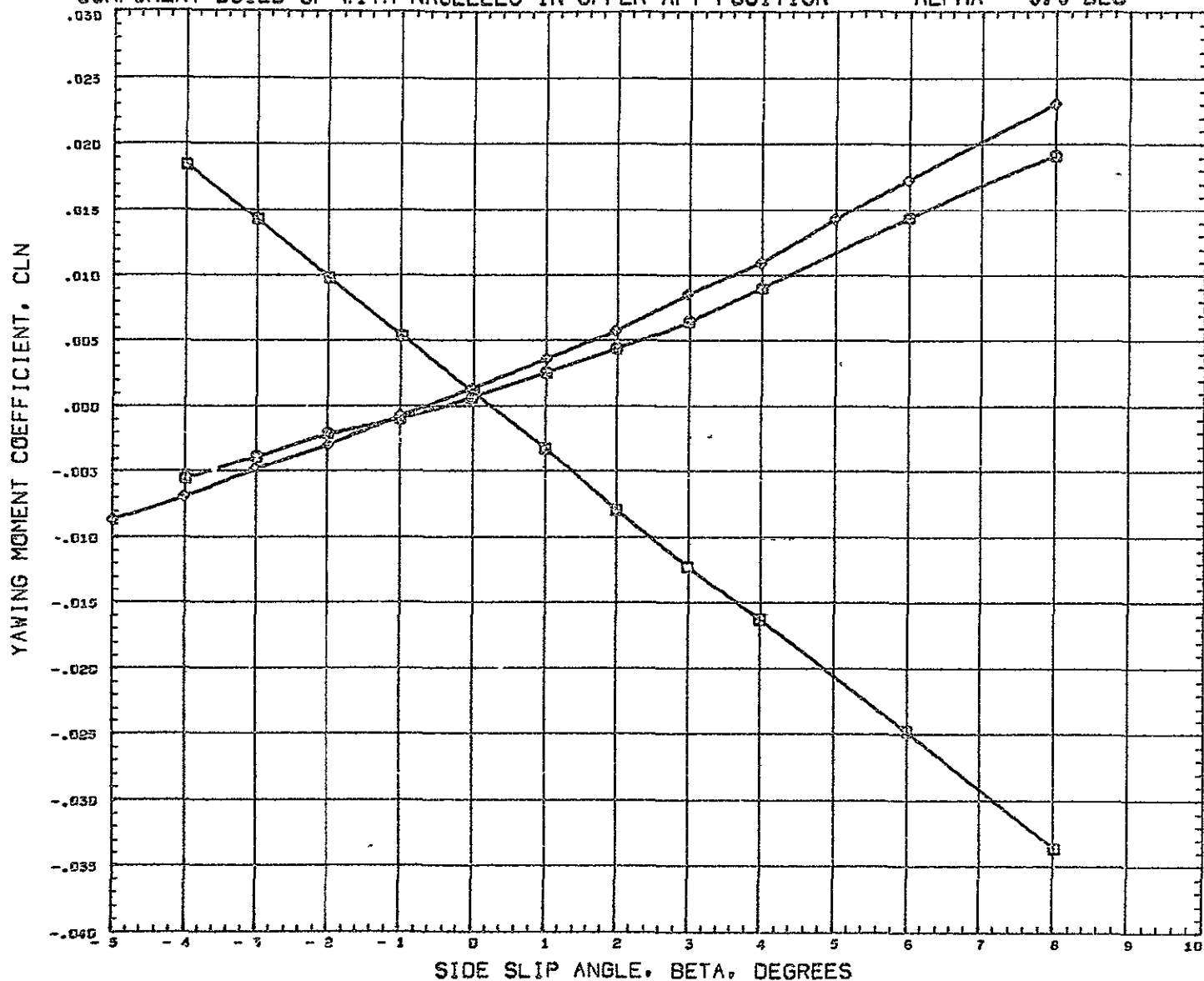
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 0 000
(RC6043)	NAAL 632 SSV-STR WING FORCE-NAC B6 N1 W10 H12	
(RC6050)	NAAL 632 SSV-STR WING FORCE-NAC B6 H1 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SO FT
REFL	13	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	0400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0 230

⊕ b

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION ALPHA = 0.0 DEG



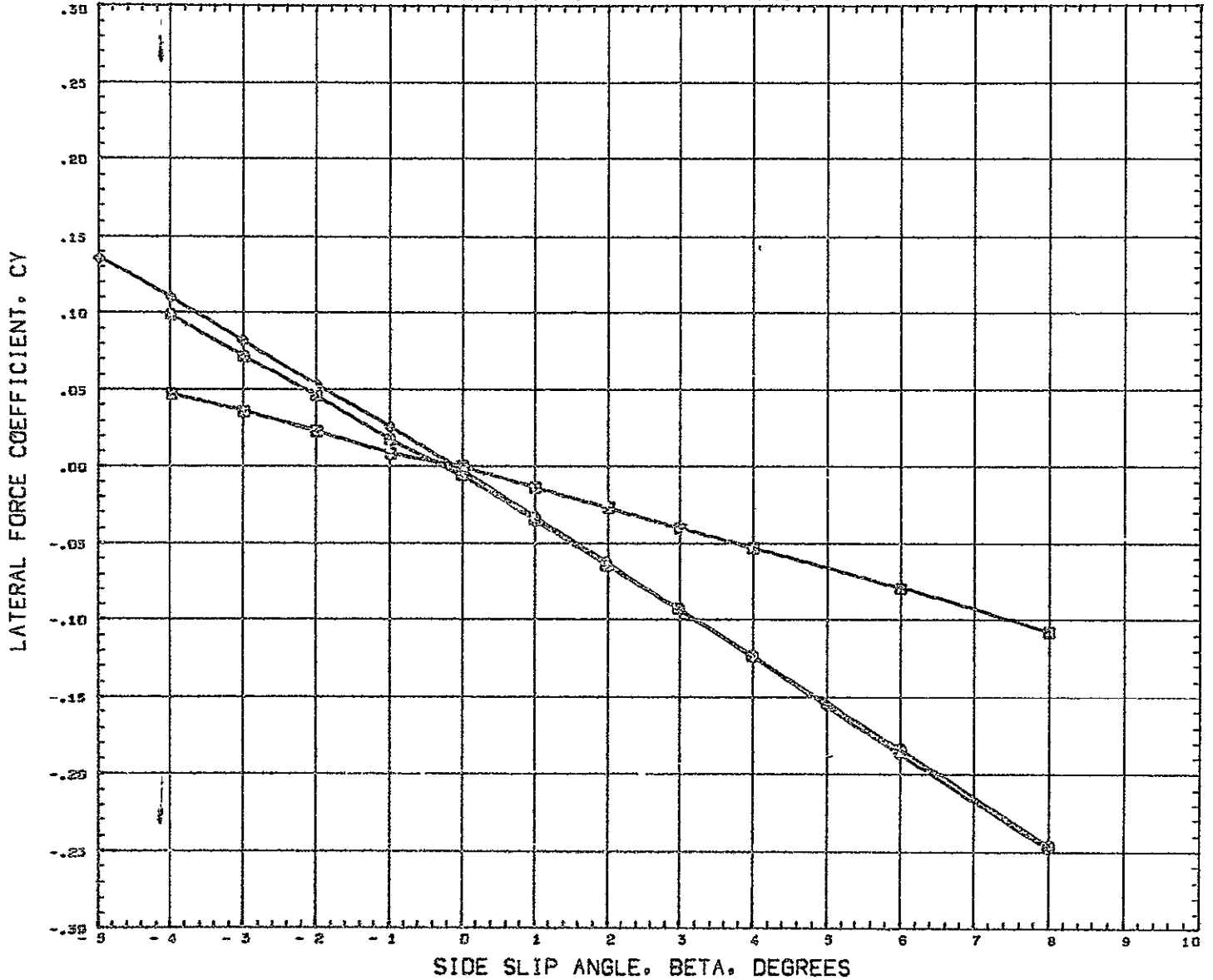
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG023)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 0 DEG
(RCG043)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(RCG050)	◇ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION	
REFS	0 1790 SQ FT
REFL	15 7370 INCHES
REFB	11 3390 INCHES
XMRP	9 8400 INCHES
YMRP	0 0000 INCHES
ZMRP	0 3840 INCHES
SCALE	0 0076 SCALE

MACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 0.0 DEG



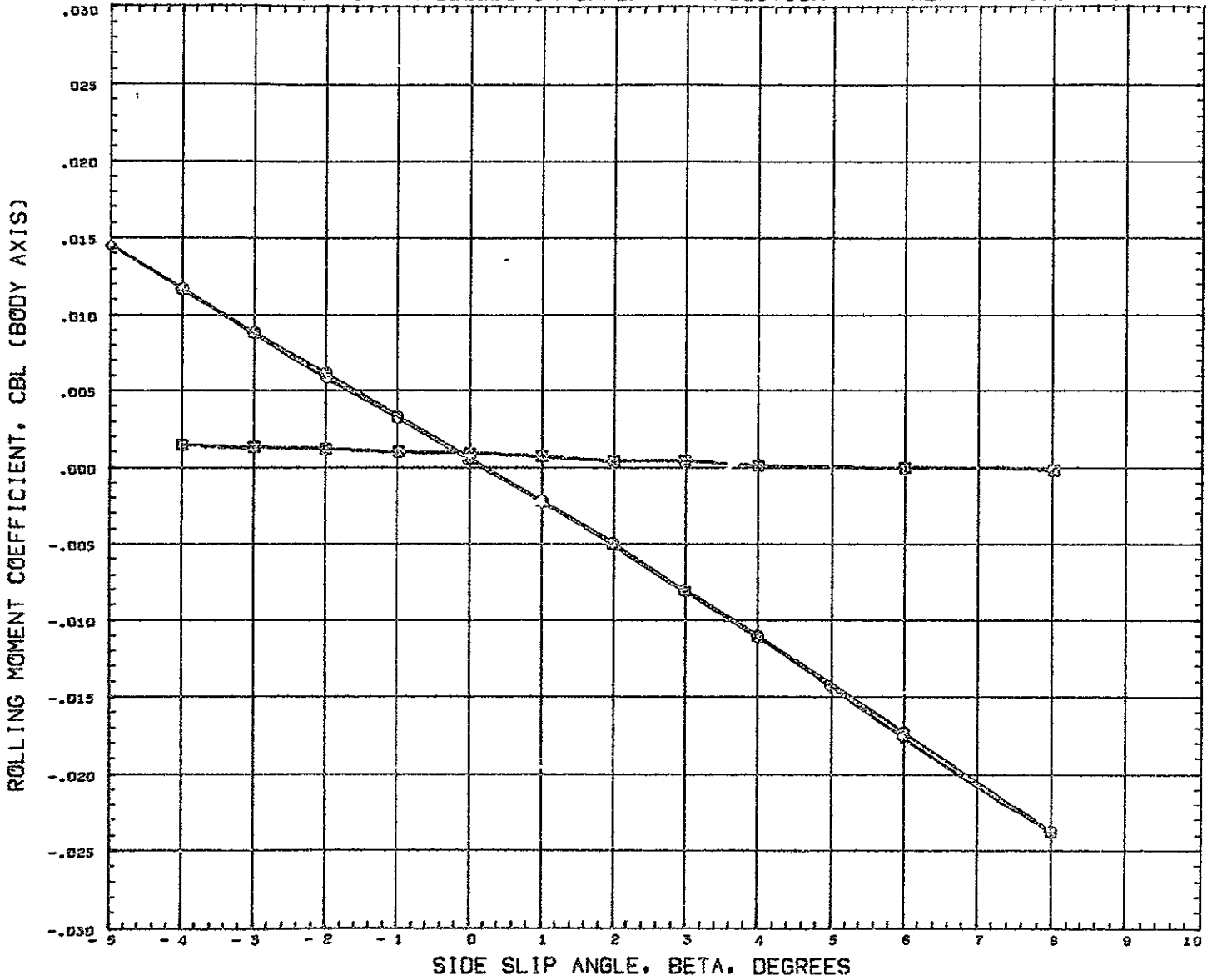
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6023)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 W12 V5	ALPHA 0 000
(RC6043)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 W12	
(RC6050)	MAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REPL	15 7370	INCHES
REFL	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

H1CH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 0.0 DEG



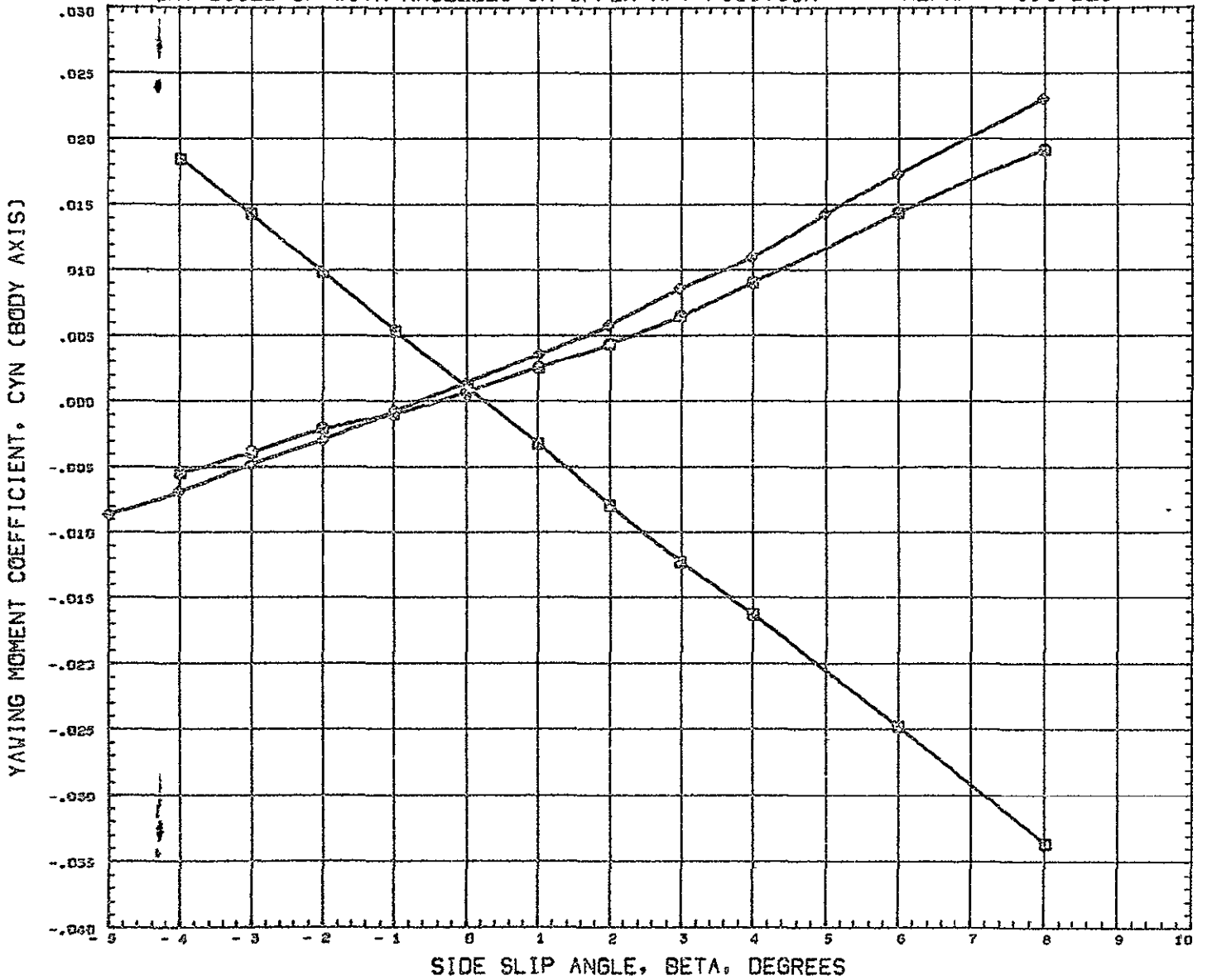
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TCG023)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 0.000
(TCG043)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(TCG050)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRF	9	8400 INCHES
YHRF	0	0000 INCHES
ZHRF	-	0.3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 0.0 DEG



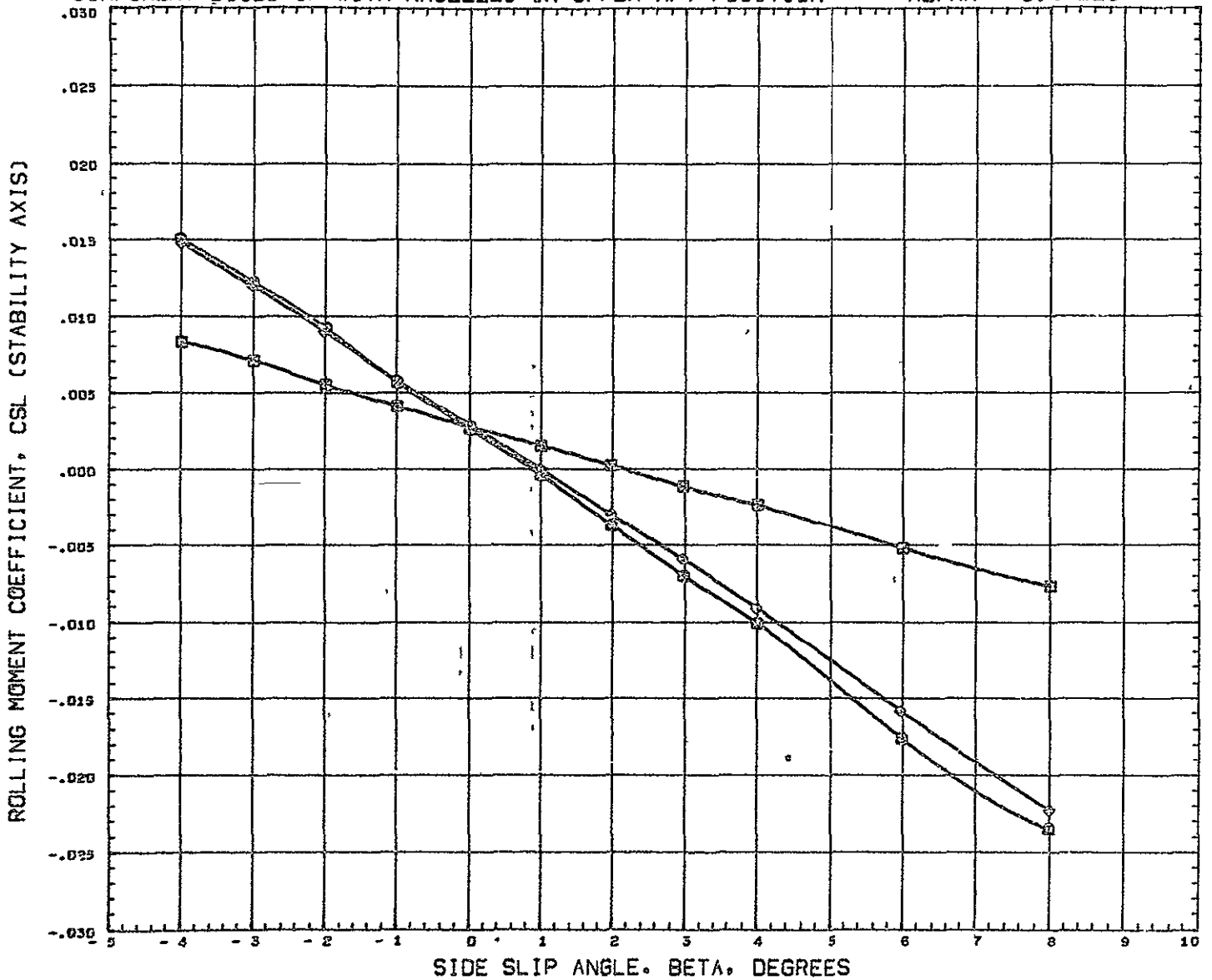
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6023)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 0 000
(TC6043)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(TC6058)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0 1790	SG FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

H4CH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 6.0 DEG



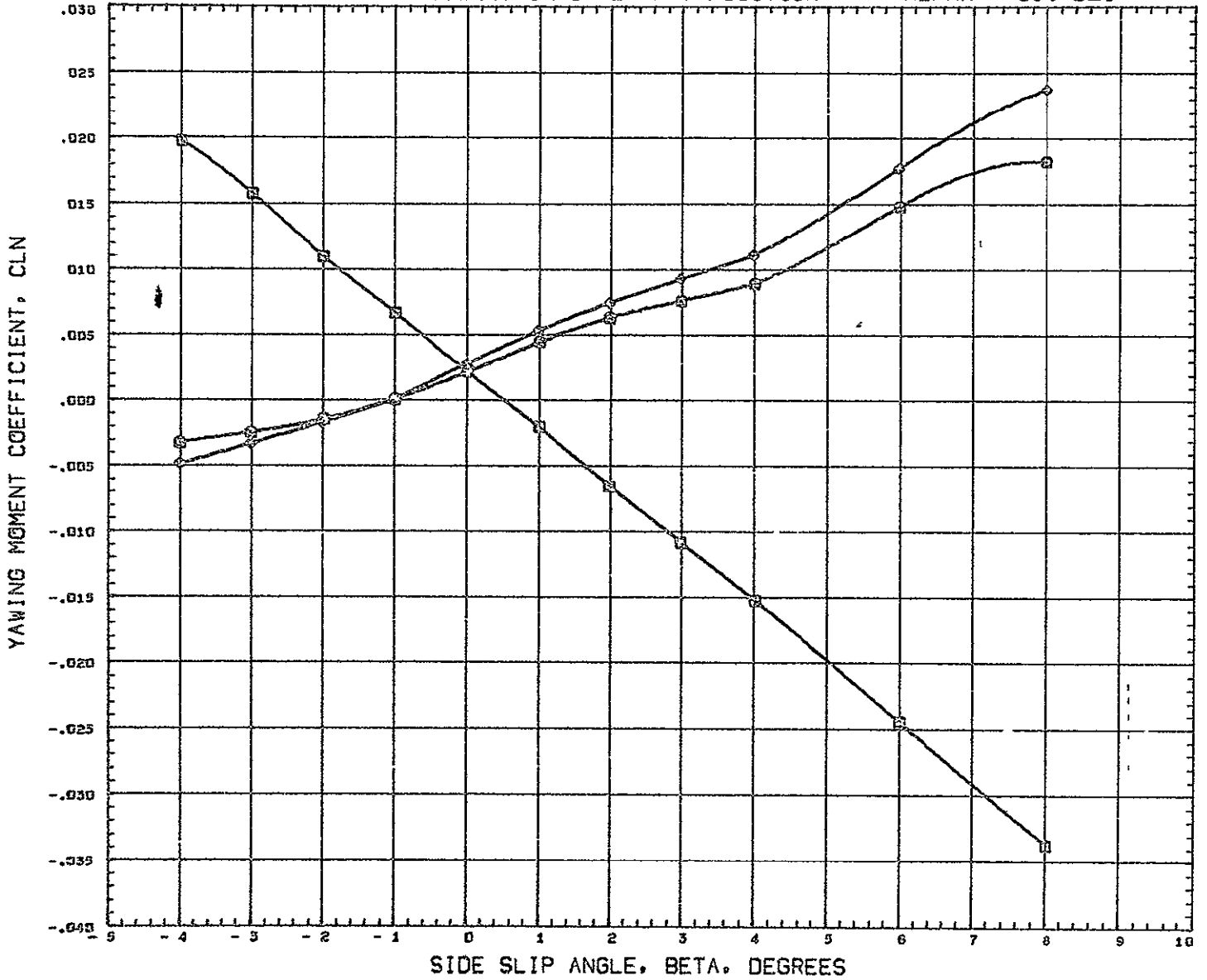
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6024)	HAAL 632 SSV-SYN WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 6.000
(RC6044)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(RC6039)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	-	0.3840 INCHES
SCALE	0	0076 SCALE

MACH 0.799

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 6.0 DEG

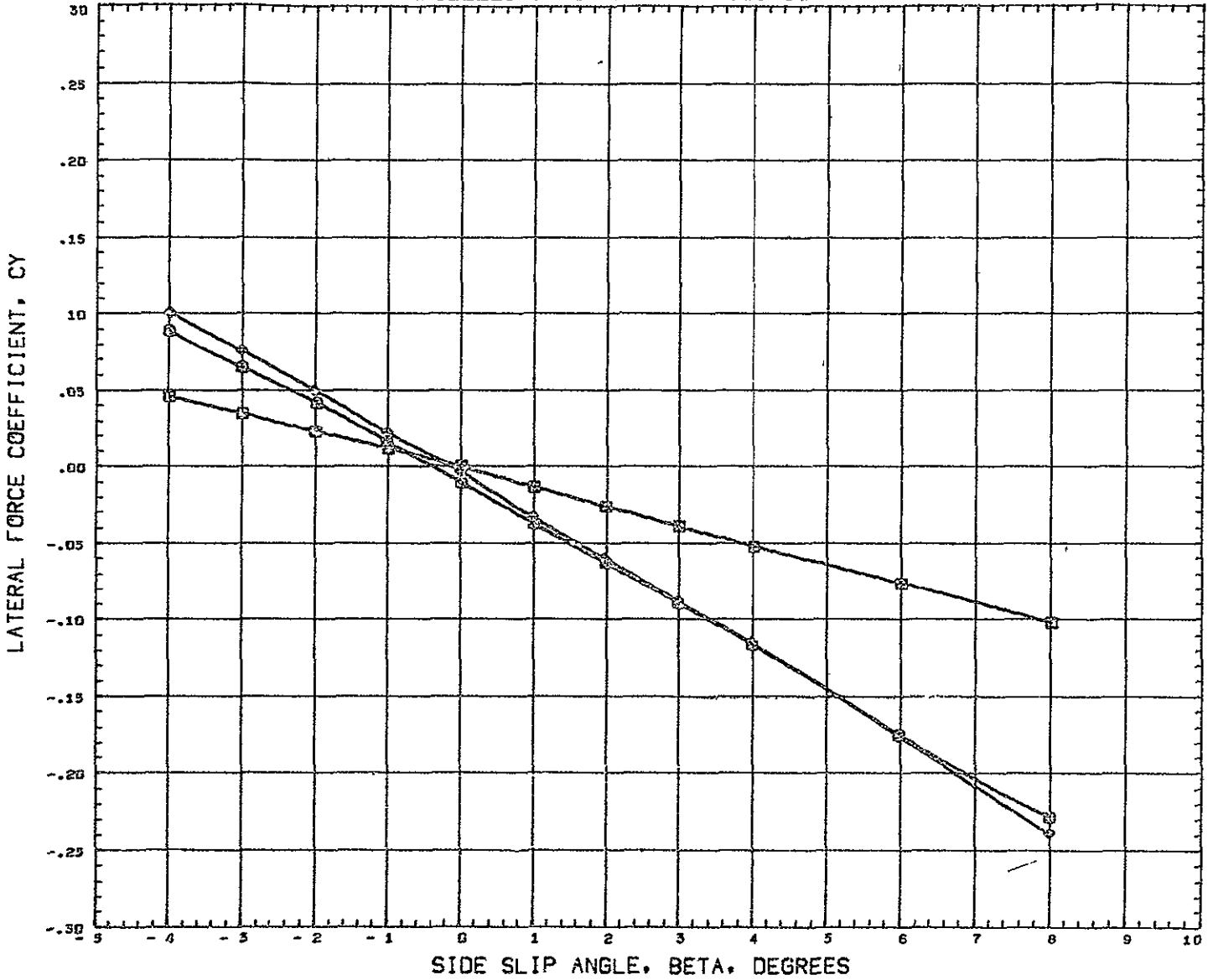


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG024)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12 V5	ALPHA 6.000	REFC 0 1790 SQ FT
(RCG044)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID H12		REFI 15 7370 INCHES
(RCG059)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 WID V5		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 6.0 DEG



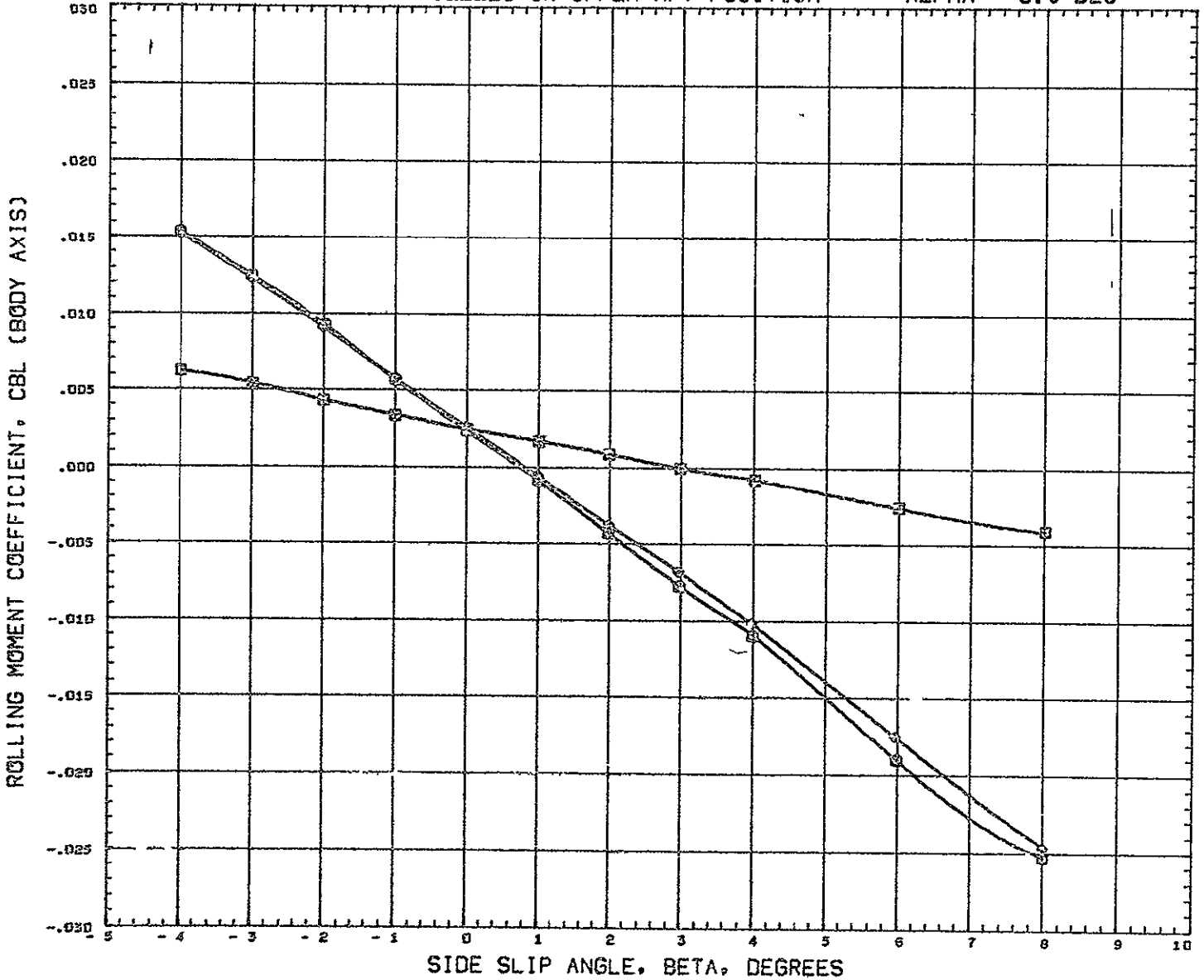
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6024)	MAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 H12 V5	ALPHA 6,000
(RC6034)	MAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 H12	
(RC6039)	MAAL 632 SSV-STR WING FORCE-NAC 86 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15.7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 8000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6024)	NAAL 632 SSV-STY WING FORCE-NAC B6 M4 W10 H12 V5	ALPHA 6.000
(TC6044)	NAAL 632 SSV-STR WING FORCE-NAC B6 M4 W10 H12	
(TC6059)	NAAL 632 SSV-STR WING FORCE-NAC B6 M4 W10 V5	

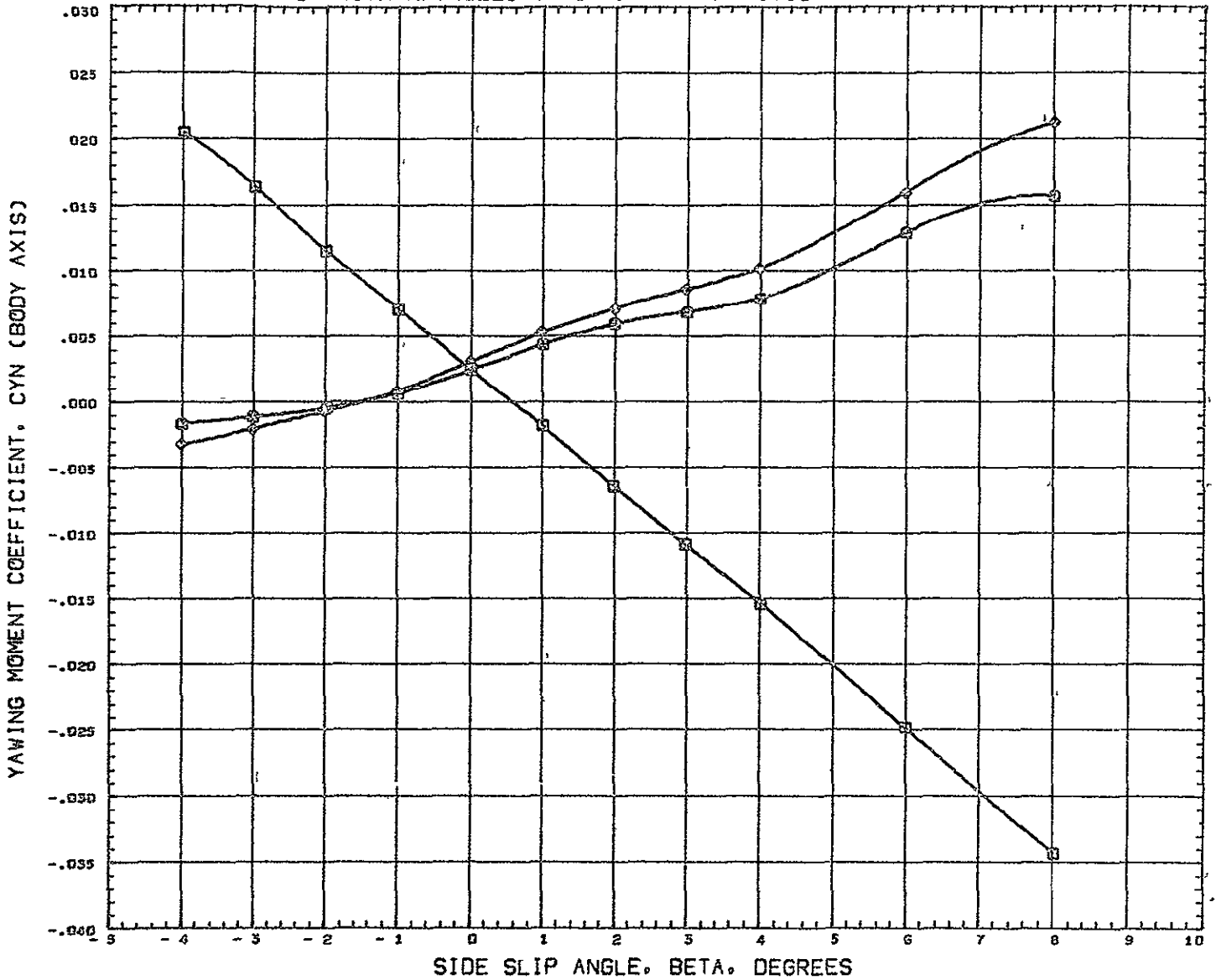
REFERENCE INFORMATION

REFS	0	1790	SQ FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XNRF	9	8400	INCHES
YNRF	0	0000	INCHES
ZNRF	0	3840	INCHES
SCALE	0	0076	SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 6.0 DEG



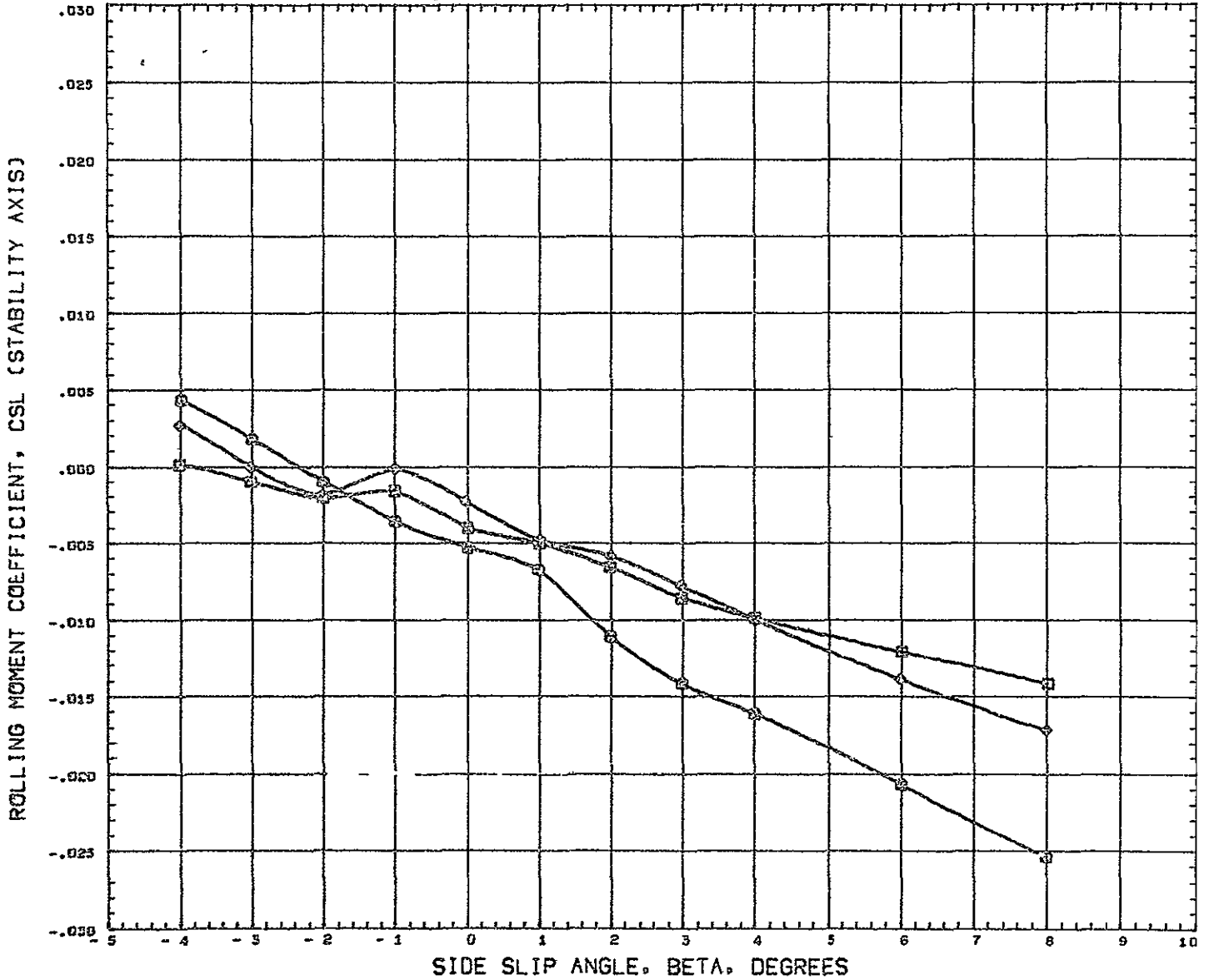
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	FAPAMETRIC VALUES
(TC6024)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 6 000
(TC6044)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(TC6059)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
RETL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

HACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 12.0 DEG



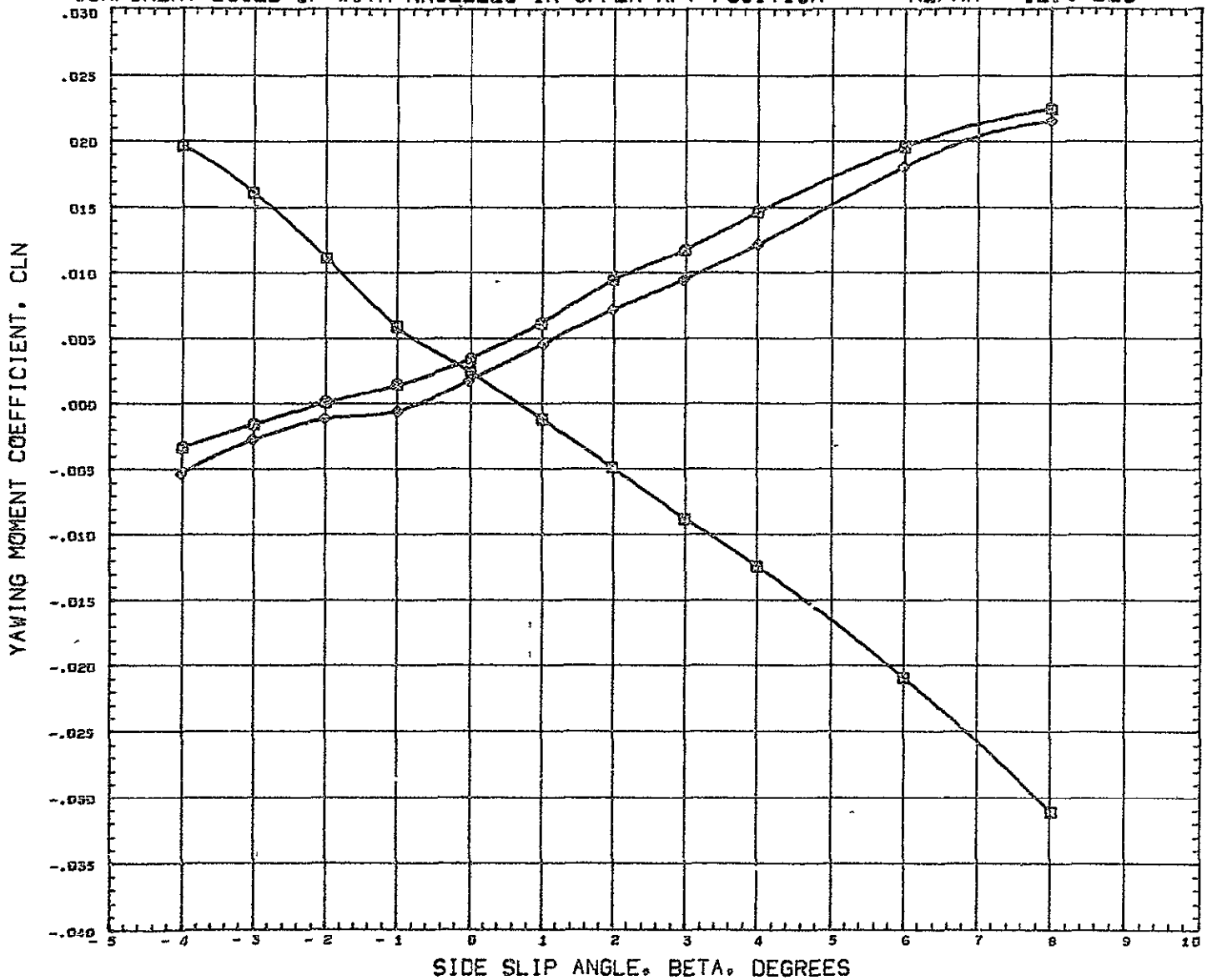
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6025)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 12 000
(RC6045)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(RC6080)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0.0000	INCHES
ZMRP	0.3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 12.0 DEG

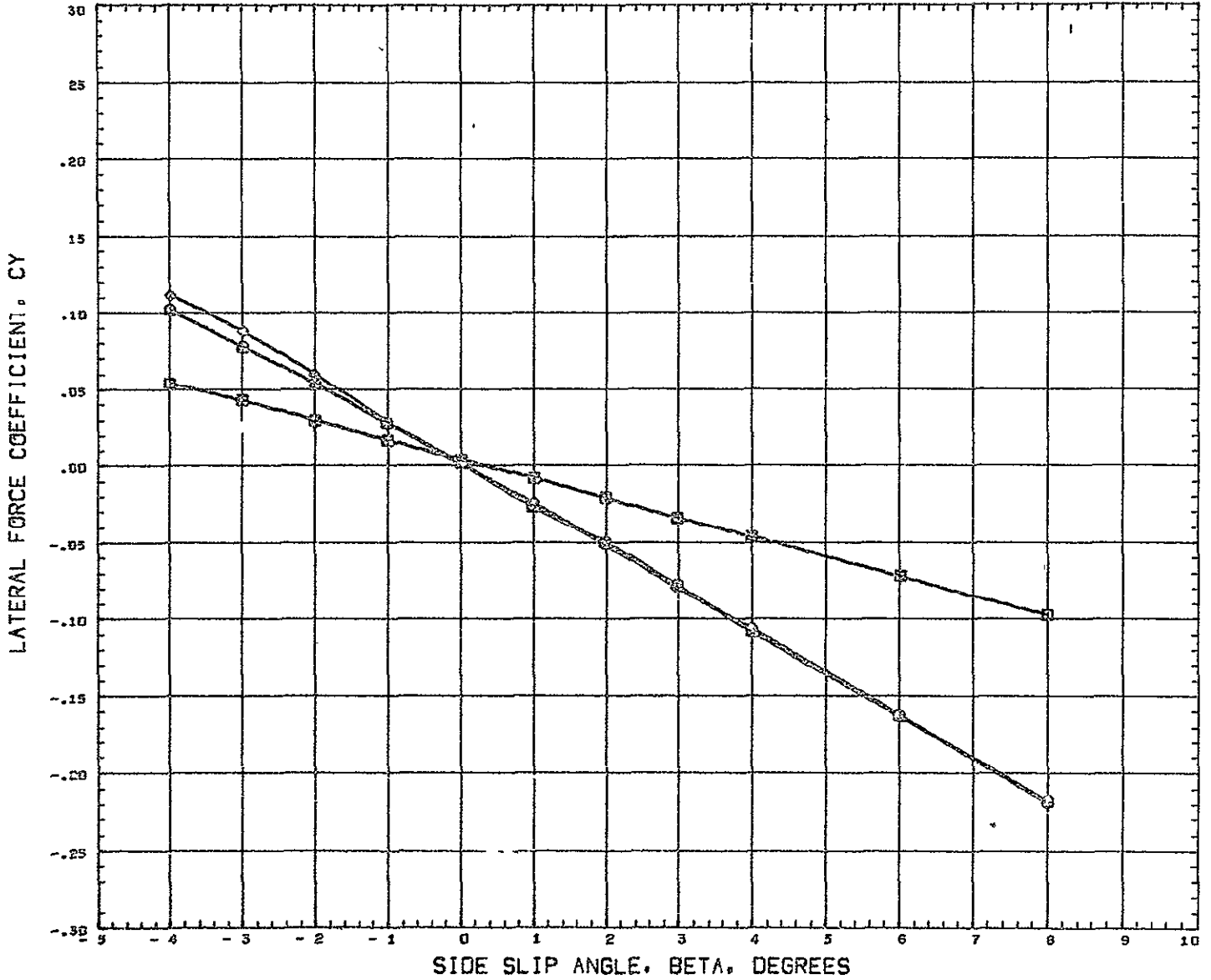


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6025)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 WID H12 V5	ALPHA 12 000	REFS 0 1790 SQ FT
(RC6045)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 WID H12		REFL 15 7370 INCHES
(RC6080)	NAAL 032 SSV-STR WING FORCE-NAC B6 N4 WID V5		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 12.0 DEG



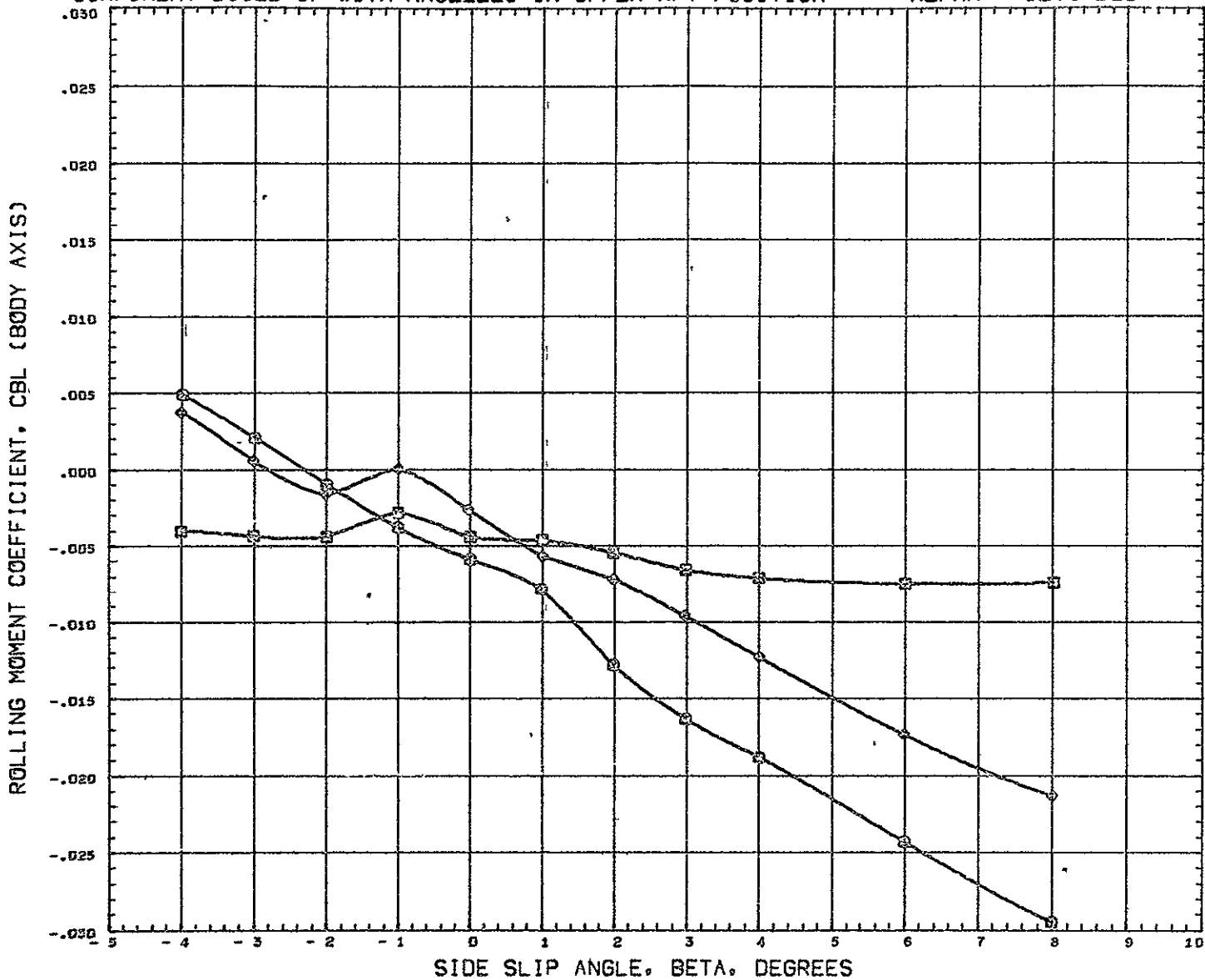
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCC025)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 12 000
(RCC045)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(RCC060)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRF	9 8400	INCHES
YHRF	0 0000	INCHES
ZHRF	0 3840	INCHES
SCALE	0 0076	SCALE

NACH 0.259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 12.0 DEG



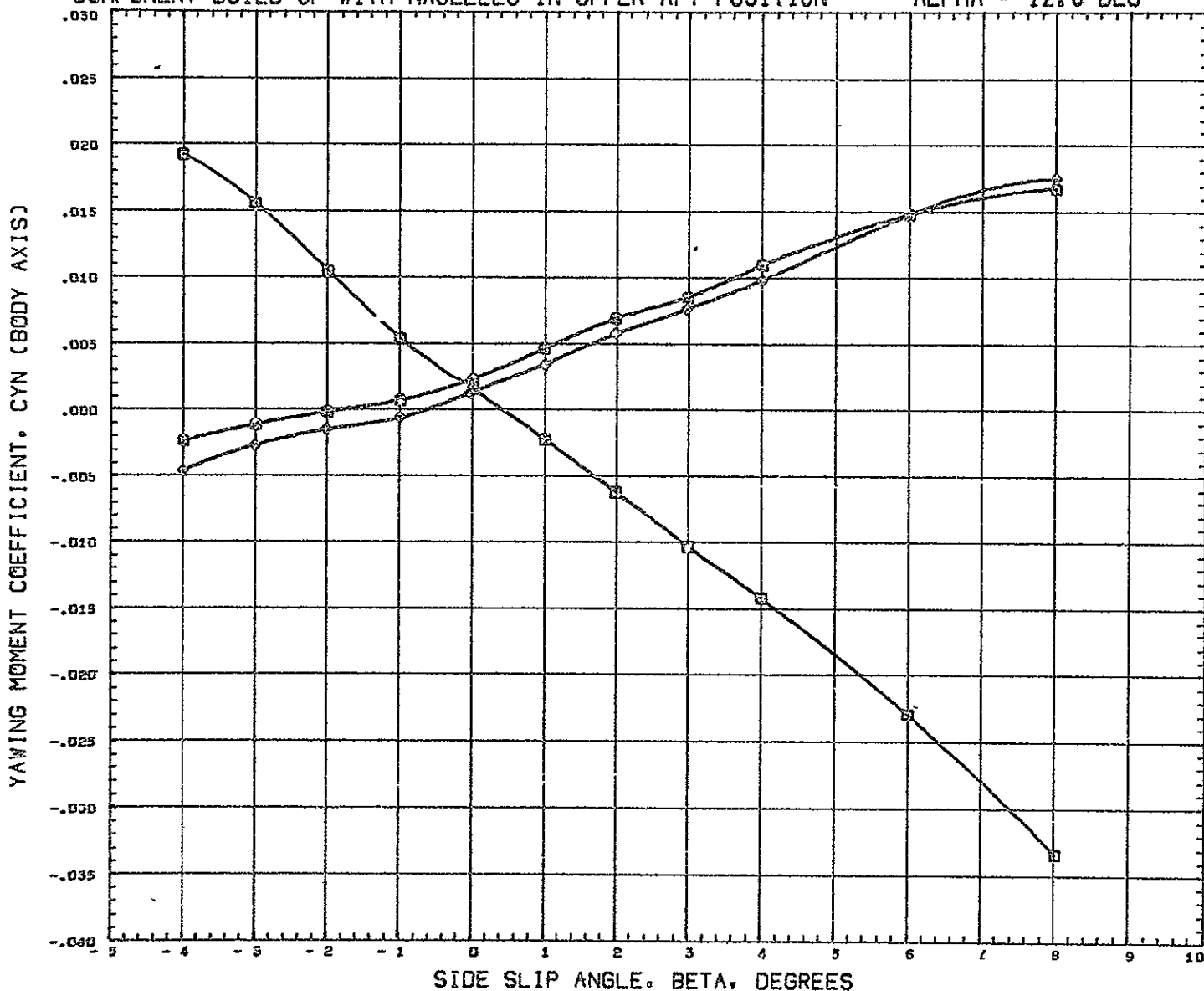
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6025)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 12.000
(TC6045)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12	
(TC6080)	NAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
PEFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

HACH 0 259

COMPONENT BUILD UP WITH NACELLES IN UPPER AFT POSITION

ALPHA = 12.0 DEG



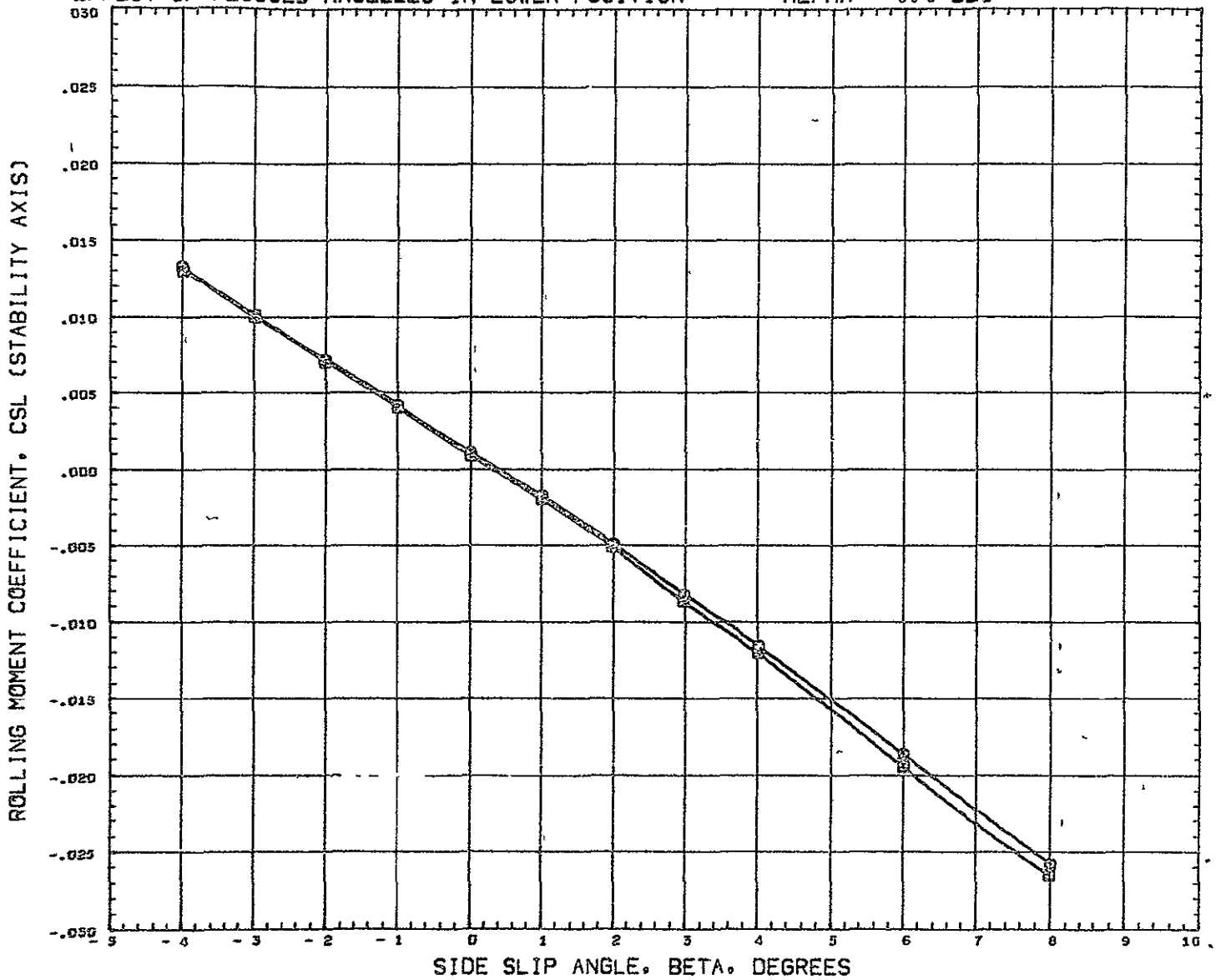
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6025)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 H12 V5	ALPHA 12.000
(TC6045)	HAAL 632 SSV-STR WING FORCE-NAC B8 N4 W10 H12	
(TC6060)	HAAL 632 SSV-STR WING FORCE-NAC B6 N4 W10 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.239

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RCG100) □ NAAL 632 SSV-STR WING FORCE-MAC 55 MG W10 H12 V5 ALPHA 0.000

(RCG020) □ NAAL 632 SSV-STR WING FORCE-NAC 55 n W10 H12 V5

PARAMETRIC VALUES

ALPHA 0.000

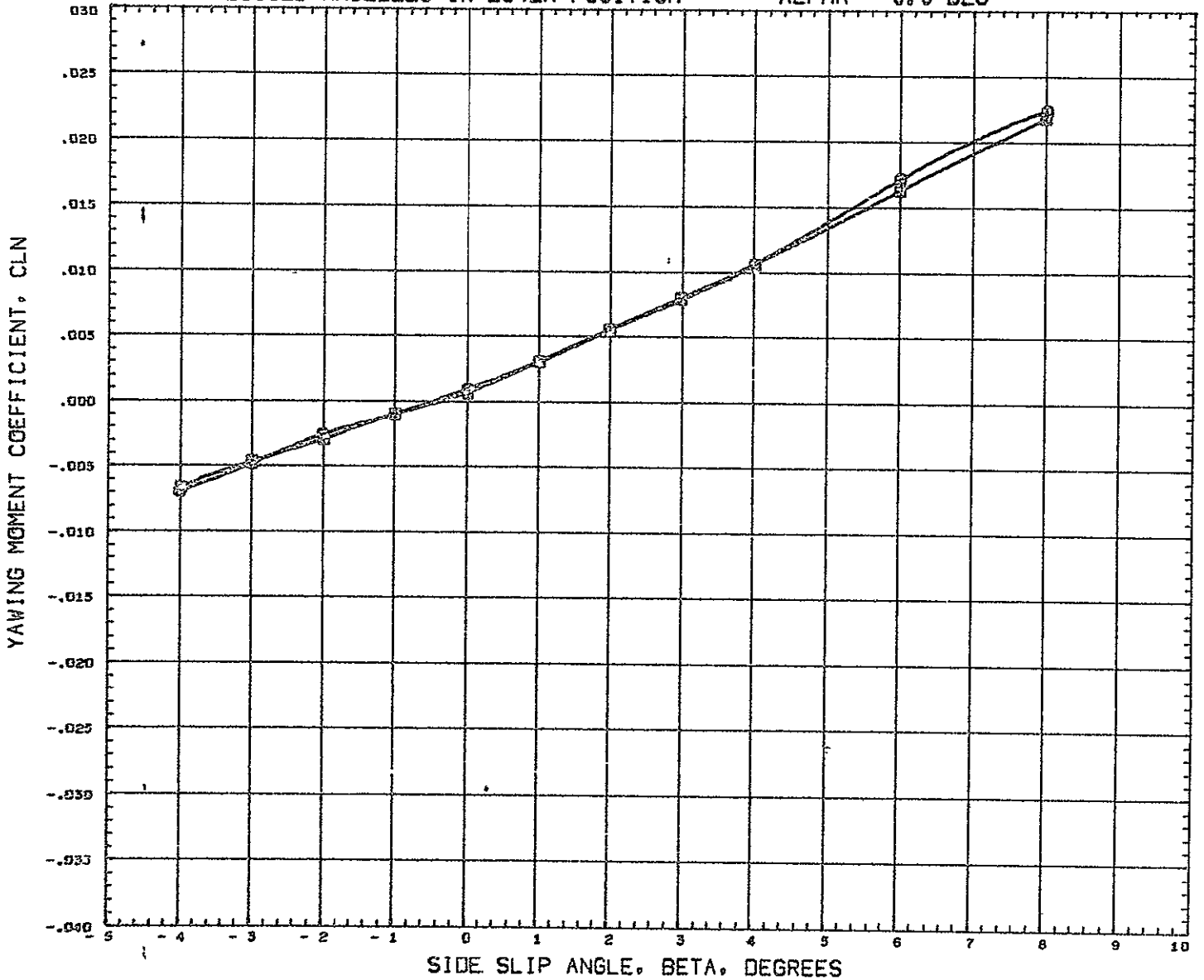
REFERENCE INFORMATION

PEFS 0.1790 SQ.FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6103)	NAAL 632 SSV-STR WING FORCE-NAC 86 N6 W/D H12 V5	ALPHA 0 000
(RC6028)	NAAL 632 SSV-STR WING FORCE-NAC 86 N W/D H12 V5	

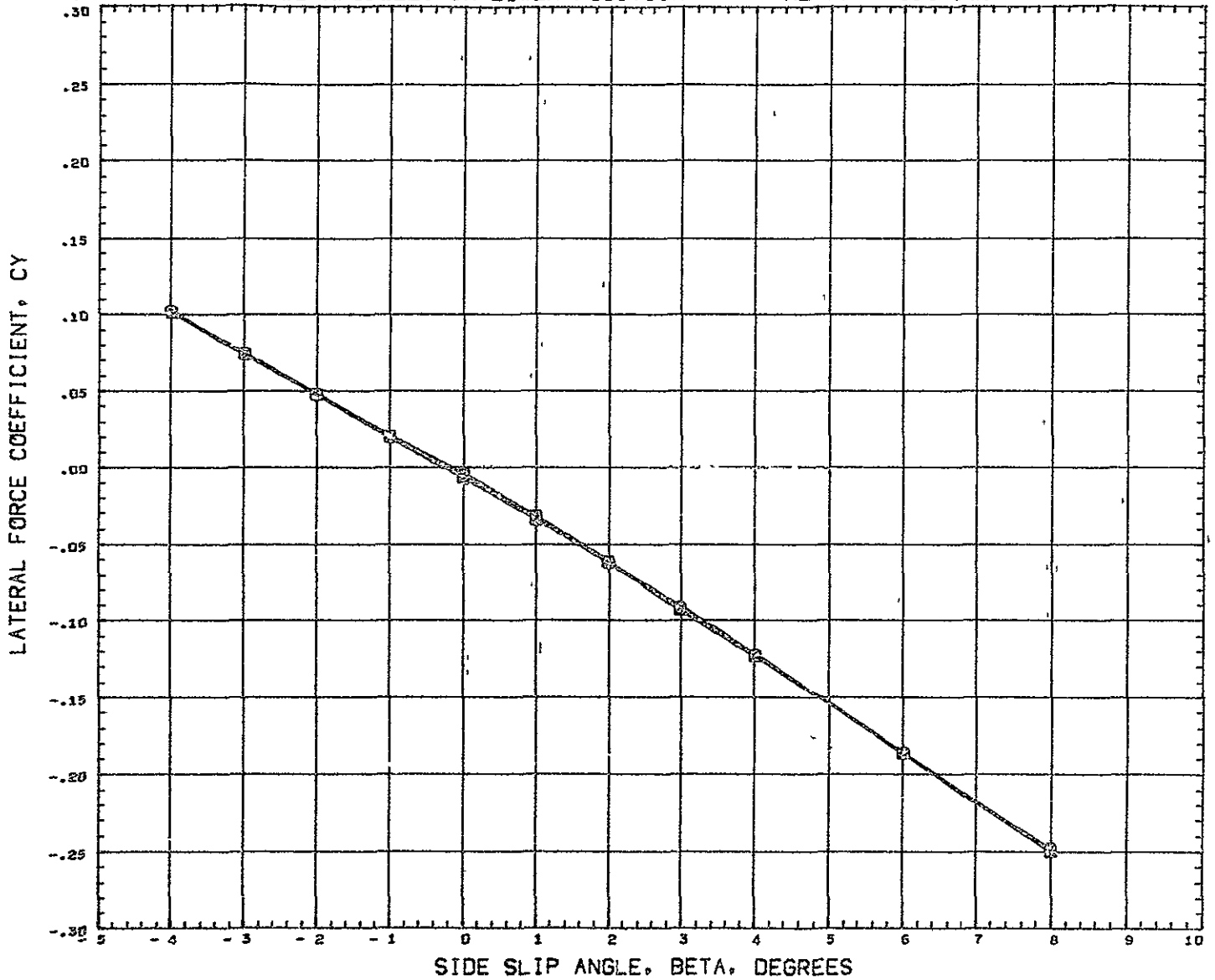
REFERENCE INFORMATION

RETS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG



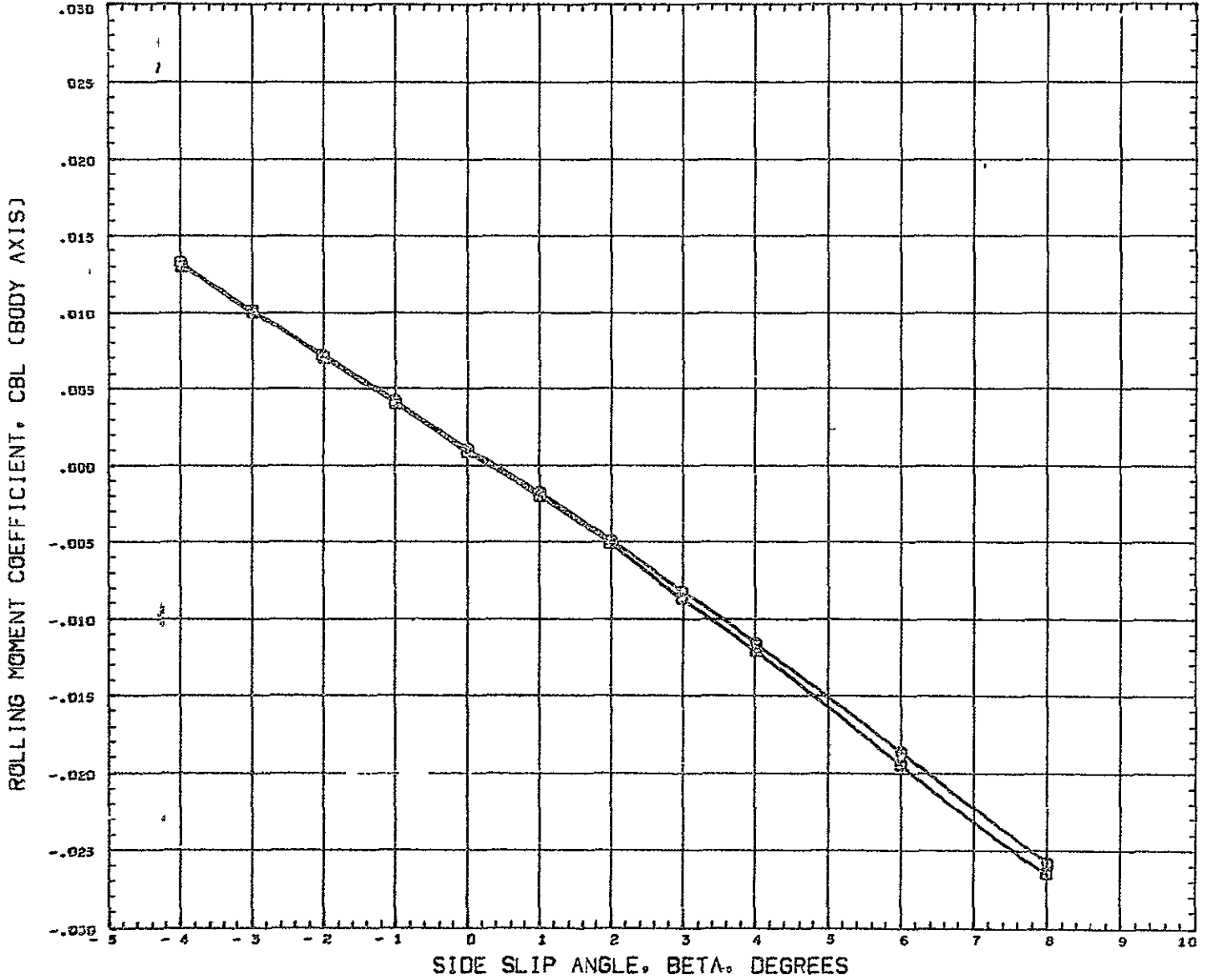
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG103)	□ HAAL 632 SSV-STR WING FORCE-NAC B5 H6 W10 H12 V5	ALPHA 0.000
(RCG028)	□ HAAL 632 SSV-3TR WING FORCE-NAC B5 H W10 H12 V5	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0.0076	SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG



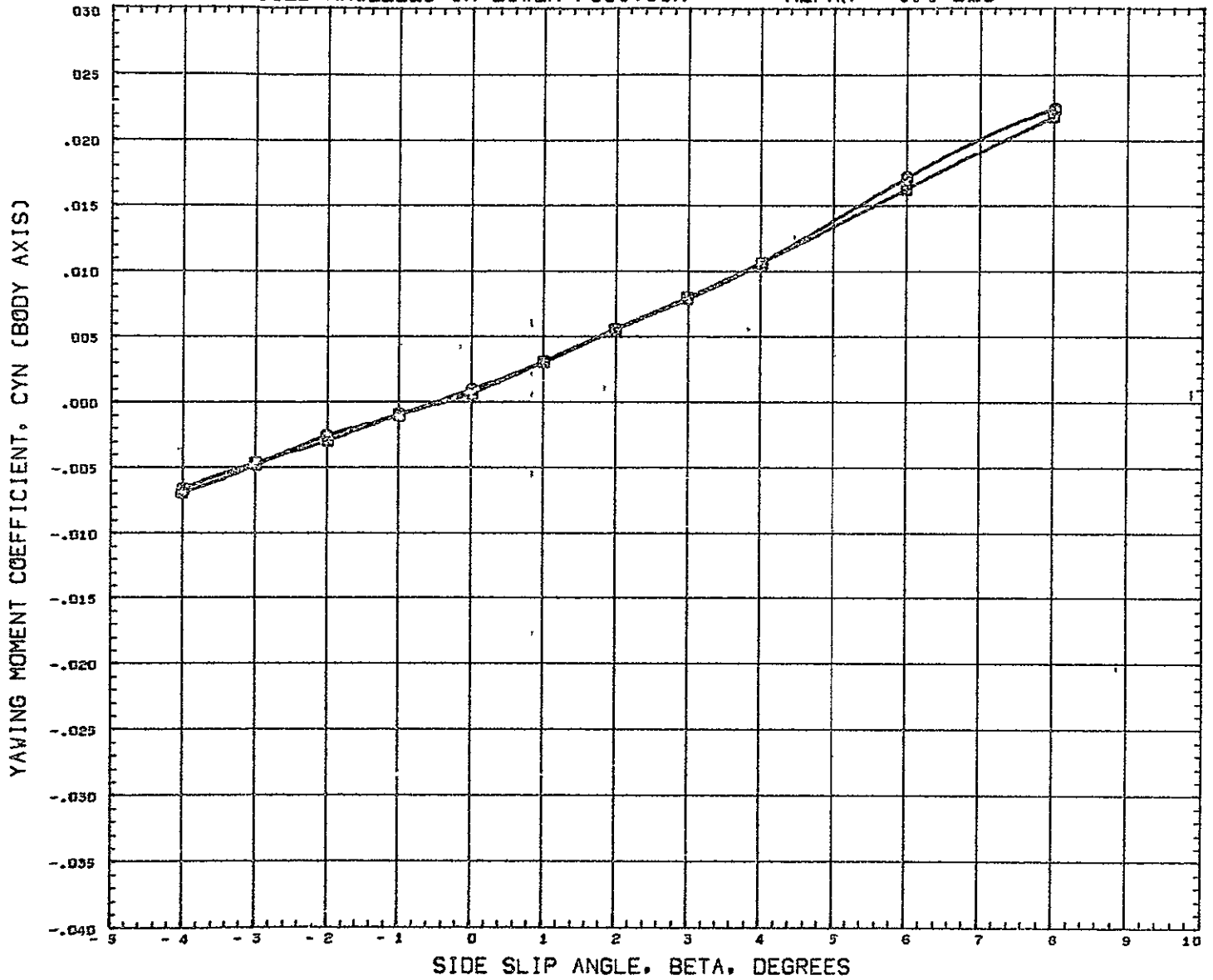
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6103)	NAAL 032 SSV-STR WING FORCE-NAC B6 M5 W10 H12 V5	ALPHA 0.000
(TC6020)	NAAL 032 SSV-STR WING FORCE-NAC B6 M W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15.7370	INCHES
REFB	11.3390	INCHES
XMRF	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0 259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 0.0 DEG



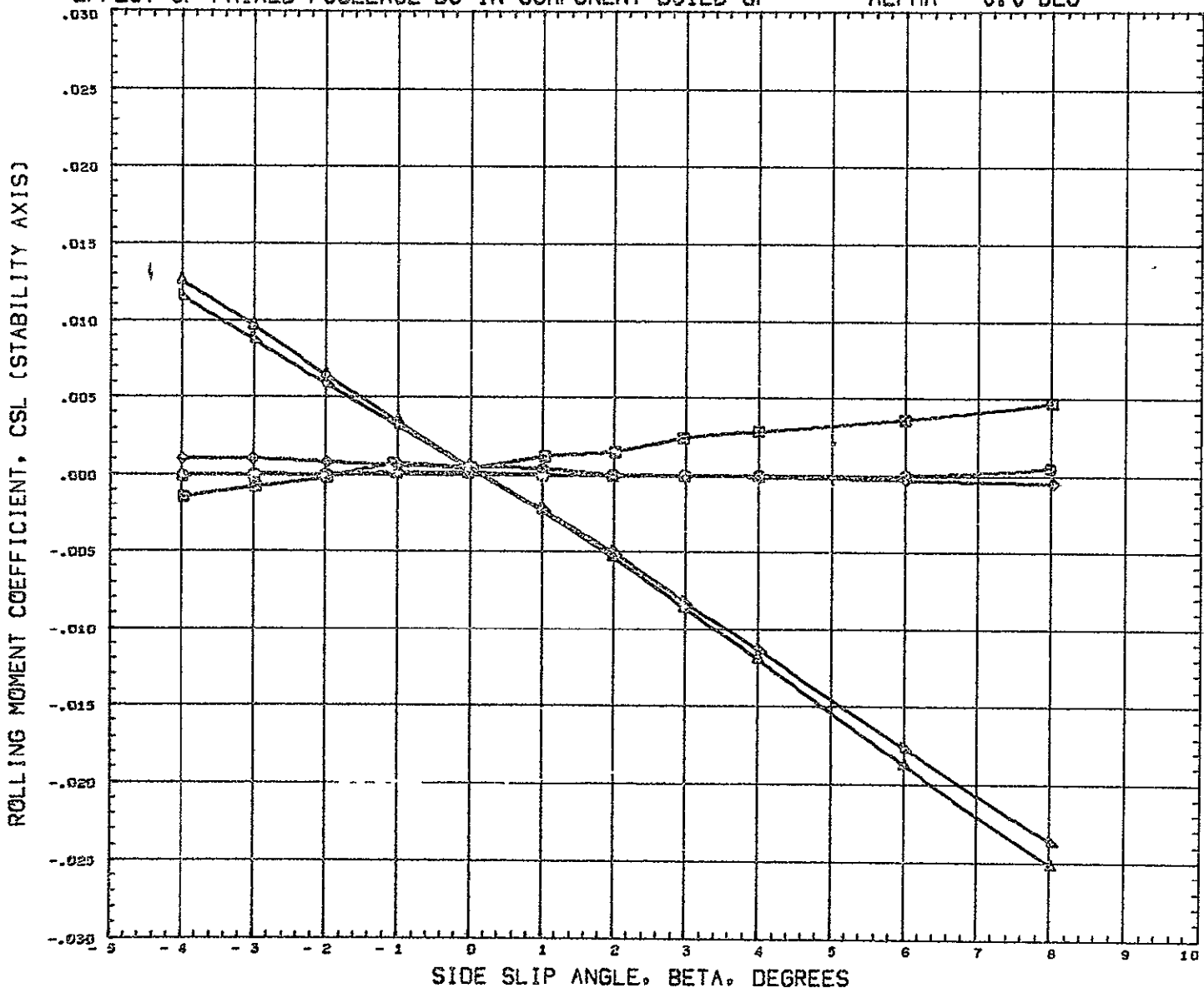
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TCG103)	○ NAAL 632 55V-STR WING FORCE-NAC 65 N6 W10 H12 V5	ALPHA 0.000
(TCG026)	□ NAAL 632 55V-STR WING FORCE-NAC 66 N W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	sq FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

NACH 0 259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 0.0 DEG

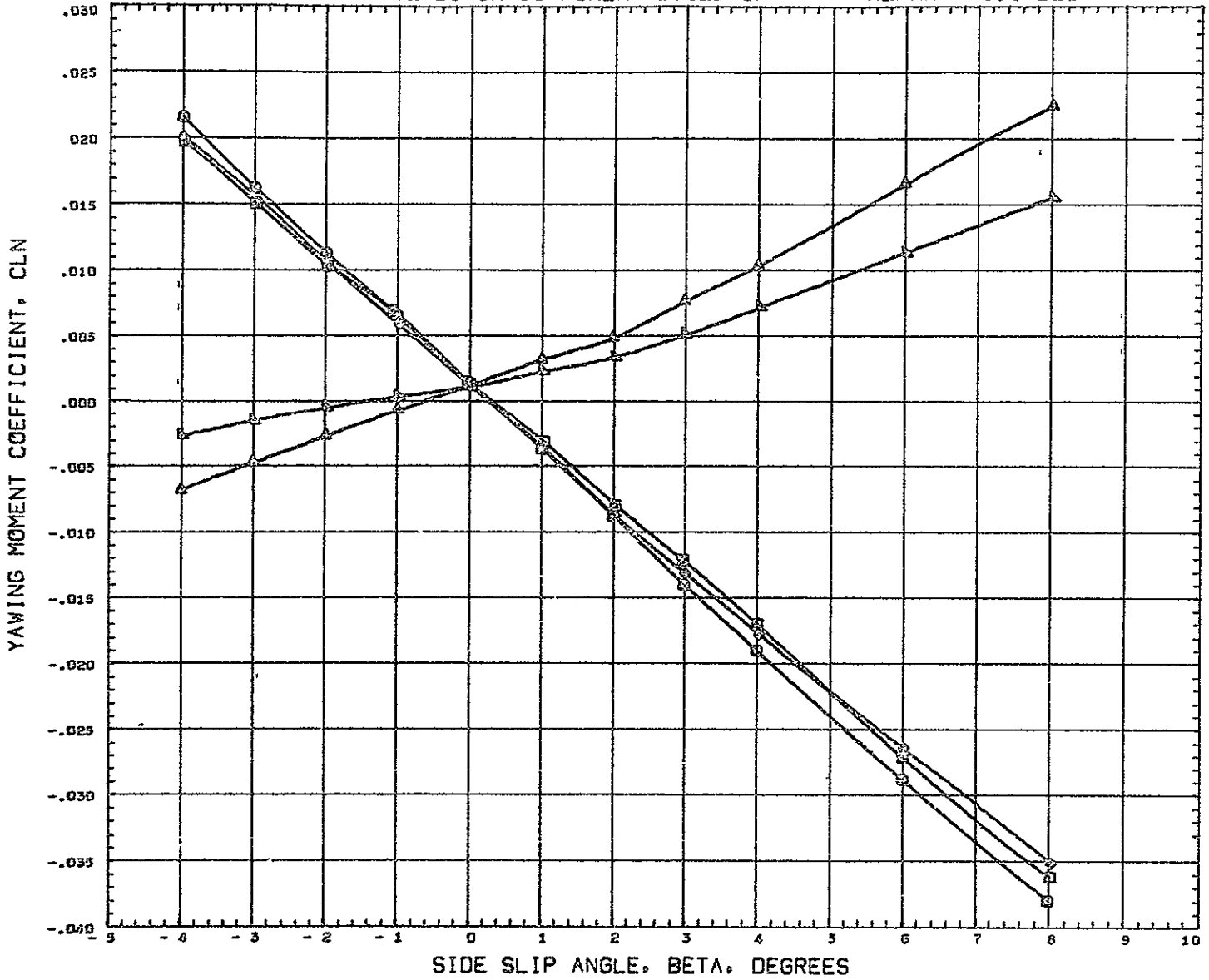


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG089)	□ NAAL 632 SSV-STR WING FORCE-MAC B9	ALPHA 0.000	REFS 0 1790 SQ FT
(RCG094)	◇ NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG079)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG099)	▽ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RCG074)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 0.0 DEG



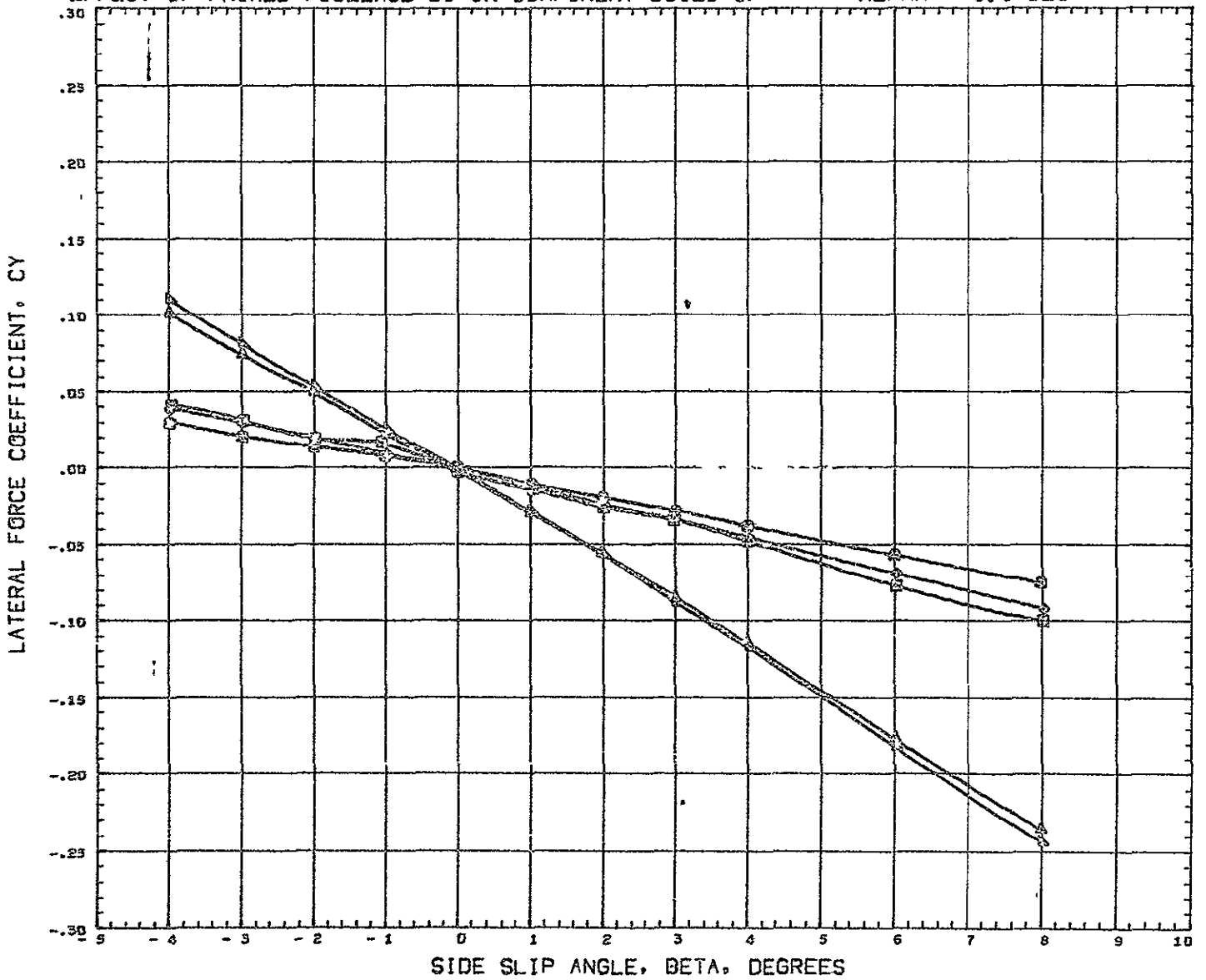
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6089)	MAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 0.000
(RC6084)	MAAL 632 SSV-STR WING FORCE-NAC B9 W1D	
(RC6079)	MAAL 632 SSV-STR WING FORCE-NAC B9 W1D H12	
(RC6083)	MAAL 632 SSV-STR WING FORCE-NAC B9 W1D H12 V5	
(RC6074)	MAAL 632 SSV-STP WING FORCE-NAC B9 N2 W1D H12 V5	

HACH 0.259

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 0.0 DEG

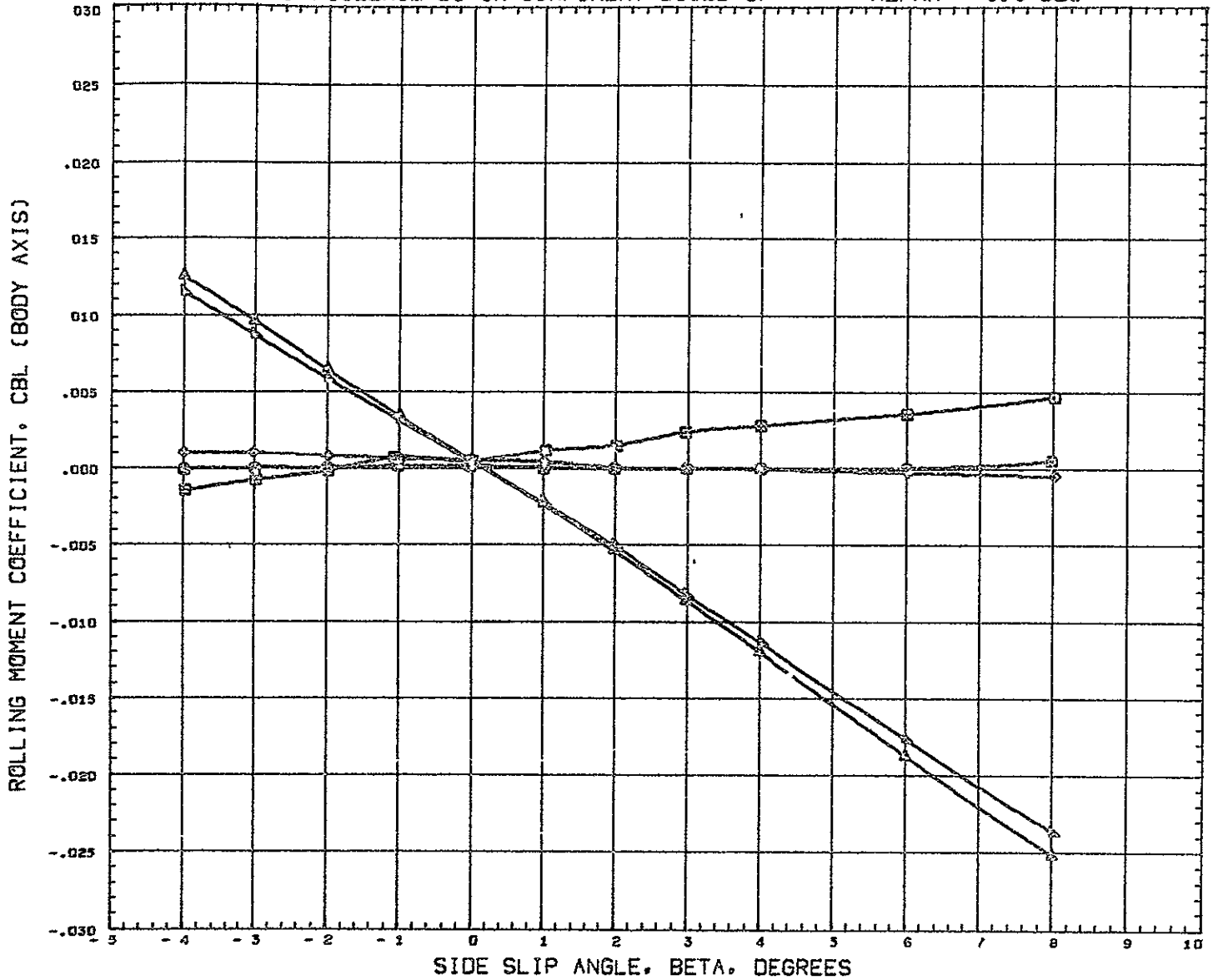


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG089)	○	NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 0 000	REFS 0 1790 SQ FT
(RCG094)	□	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCG079)	◇	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCG089)	△	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XHRP 9 8400 INCHES
(RCG074)	▽	NAAL 632 SSV-STR WING FORCE-4AC B9 N2 W10 H12 V5		YHRP 0 0000 INCHES
				ZHRP - 0 3840 INCHES
				SCALE 0 0076 SCALE

MACH 0 259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 0.0 DEG

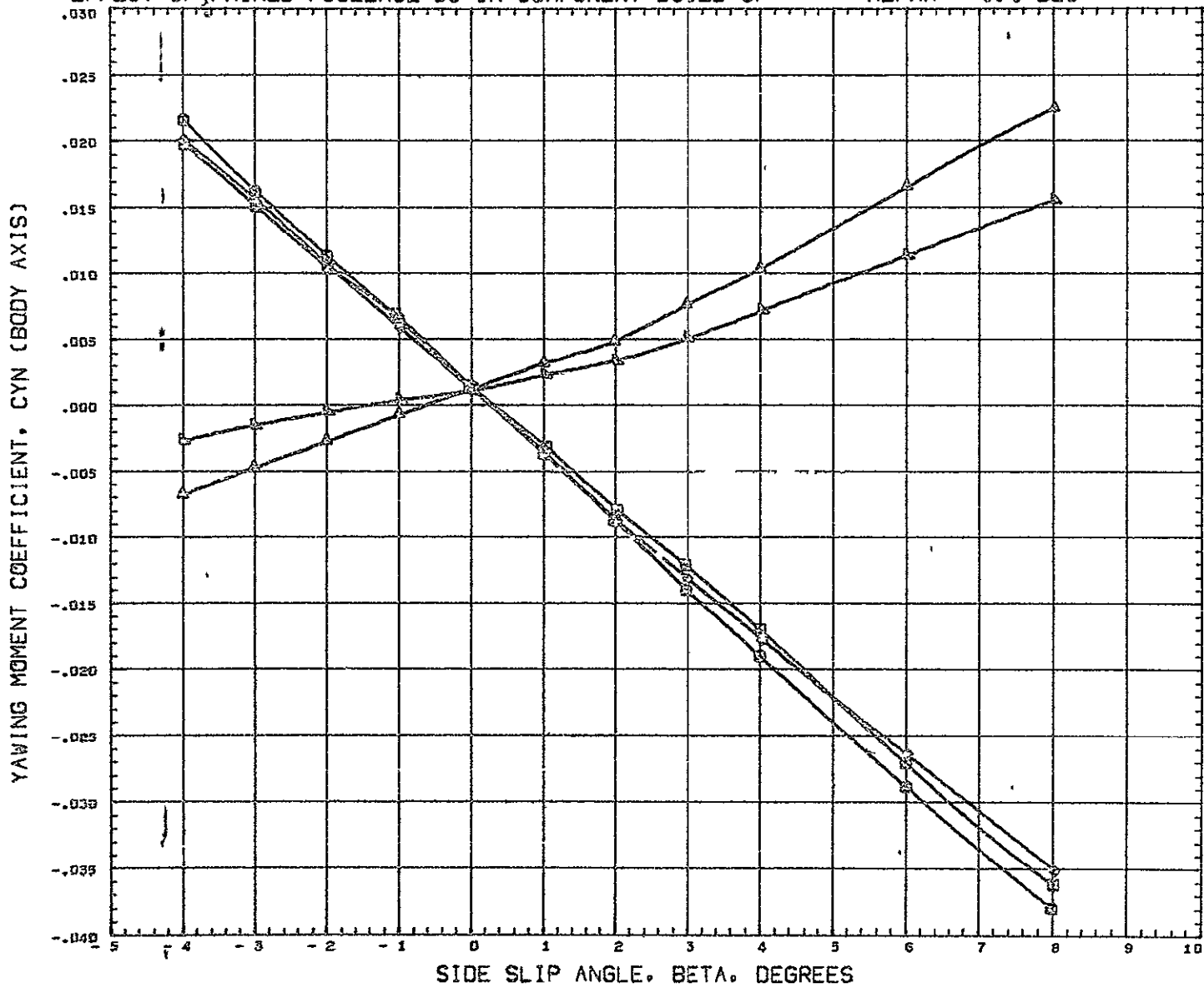


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6009)	NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 0 000	REFS 0 1790 SQ FT
(TC6004)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(TC6079)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(TC6069)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9.8400 INCHES
(TC6074)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 0.0 DEG

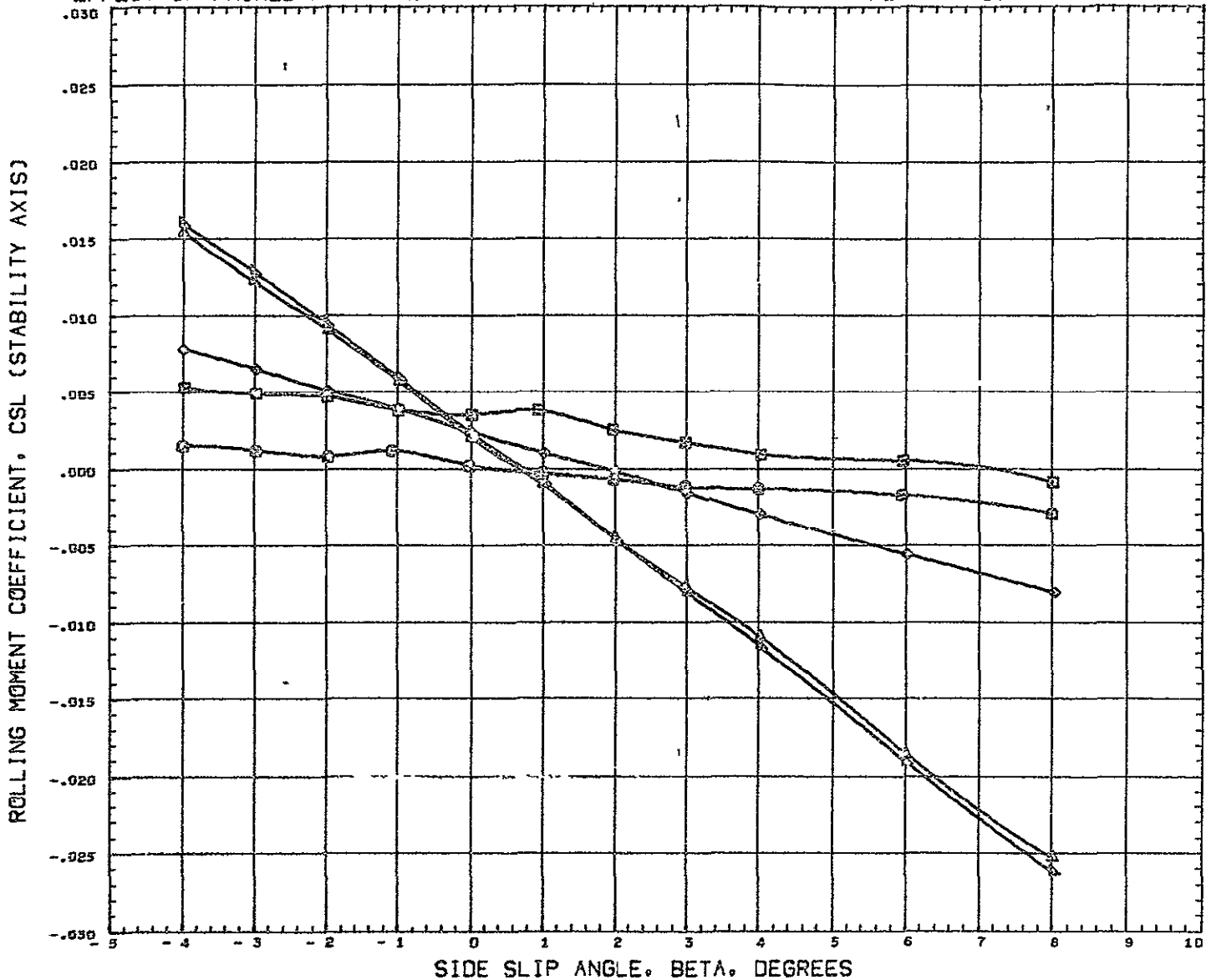


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6089)	□ NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 0 000	REFS 0 1790 SQ FT
(TC6084)	◻ NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(TC6079)	◊ NAAL 632 SSV-STR WING FORCE-N1C B9 W10 H12		REFB 11 3390 INCHES
(TC6069)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(TC6074)	▴ NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 6.0 DEG



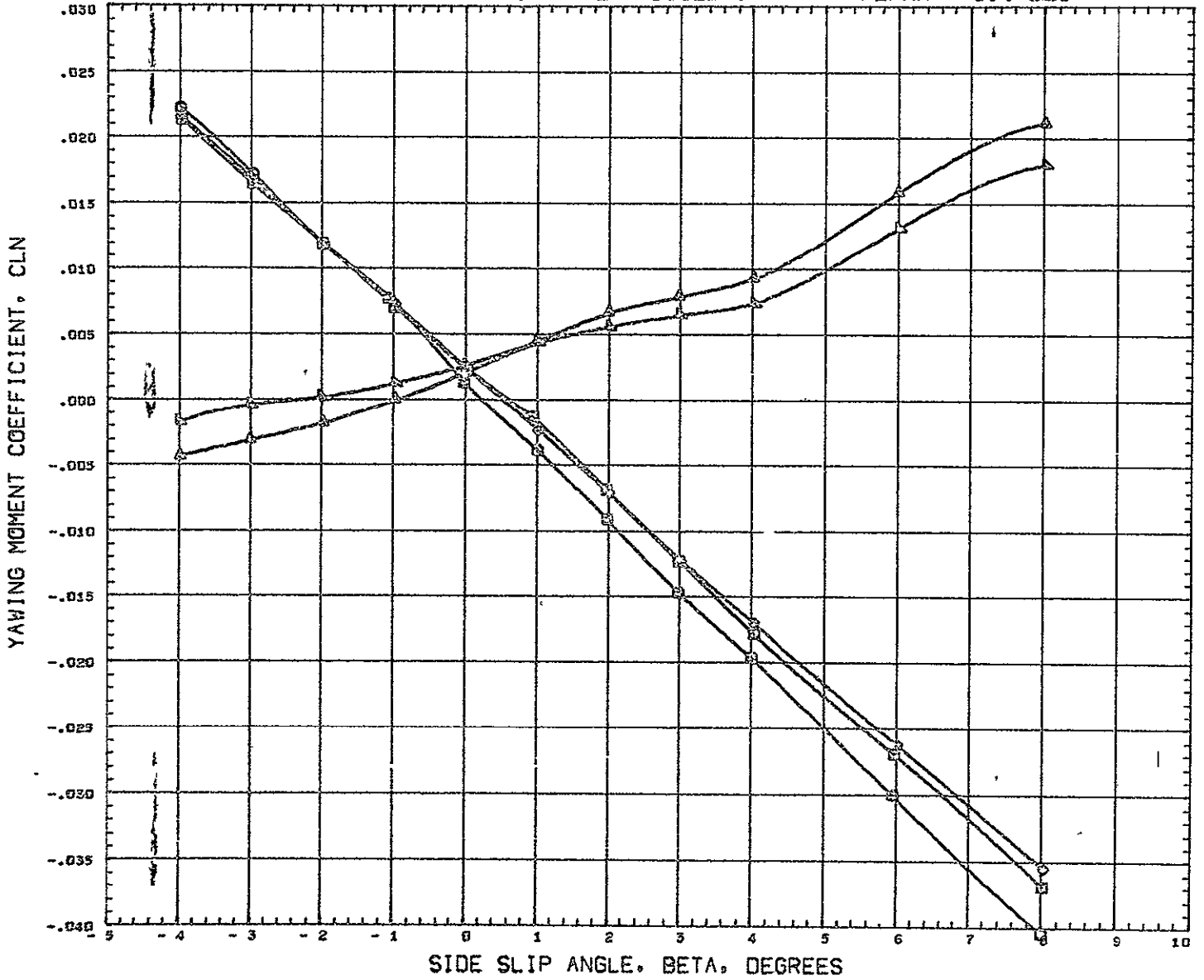
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(PC6035)	NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 6.000
(RC6085)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10	
(PC6000)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12	
(RC6079)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5	
(RC6075)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REPL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 6.0 DEG

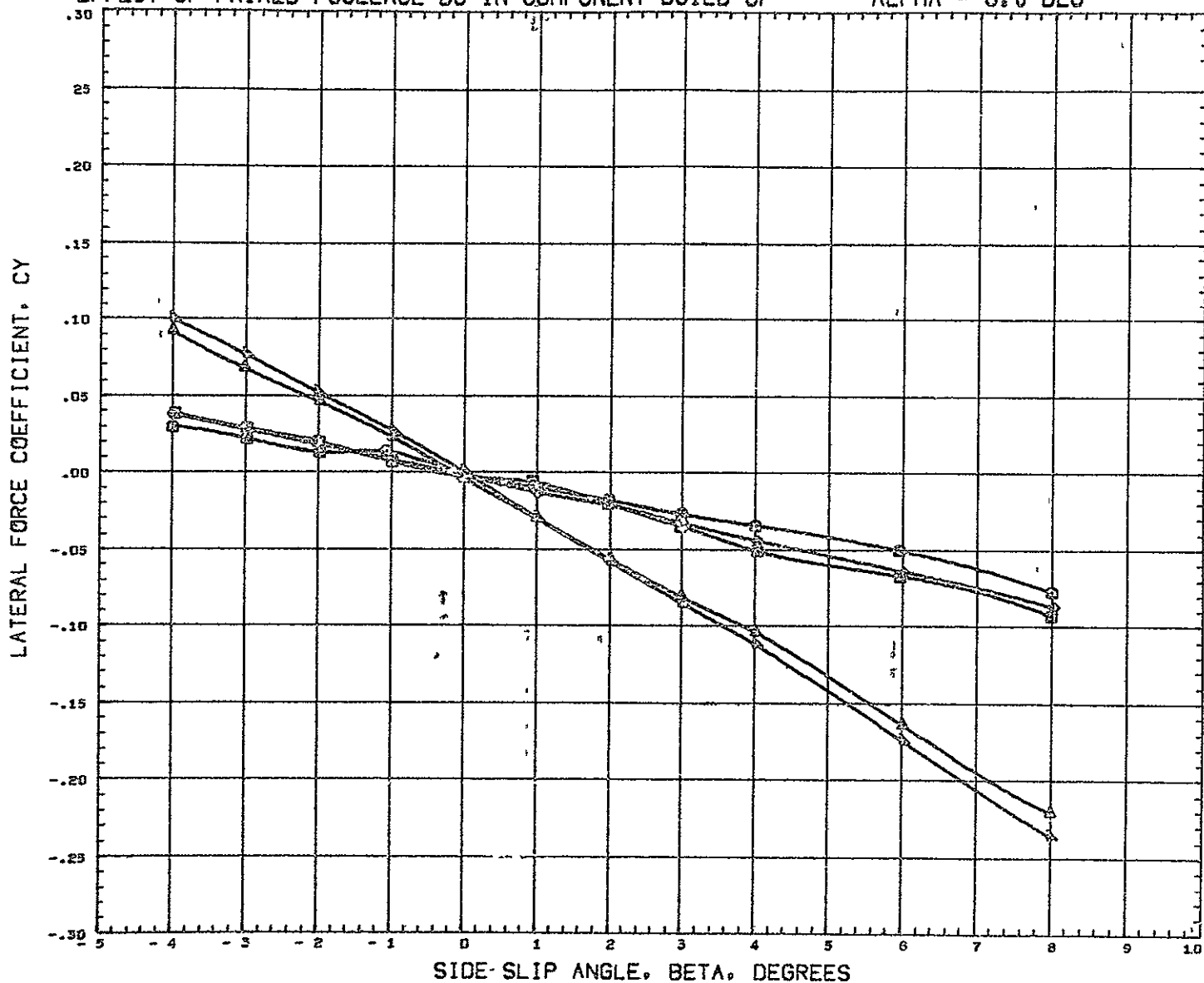


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCC090)	NAAL 632 SSV-STR WING FORCE-NAC B9	ALF _{crit} 6.000	REFS 0 1790 SQ FT
(RCC085)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RCC080)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RCC070)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XNRP 9 8400 INCHES
(RCC075)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YNRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 6.0 DEG



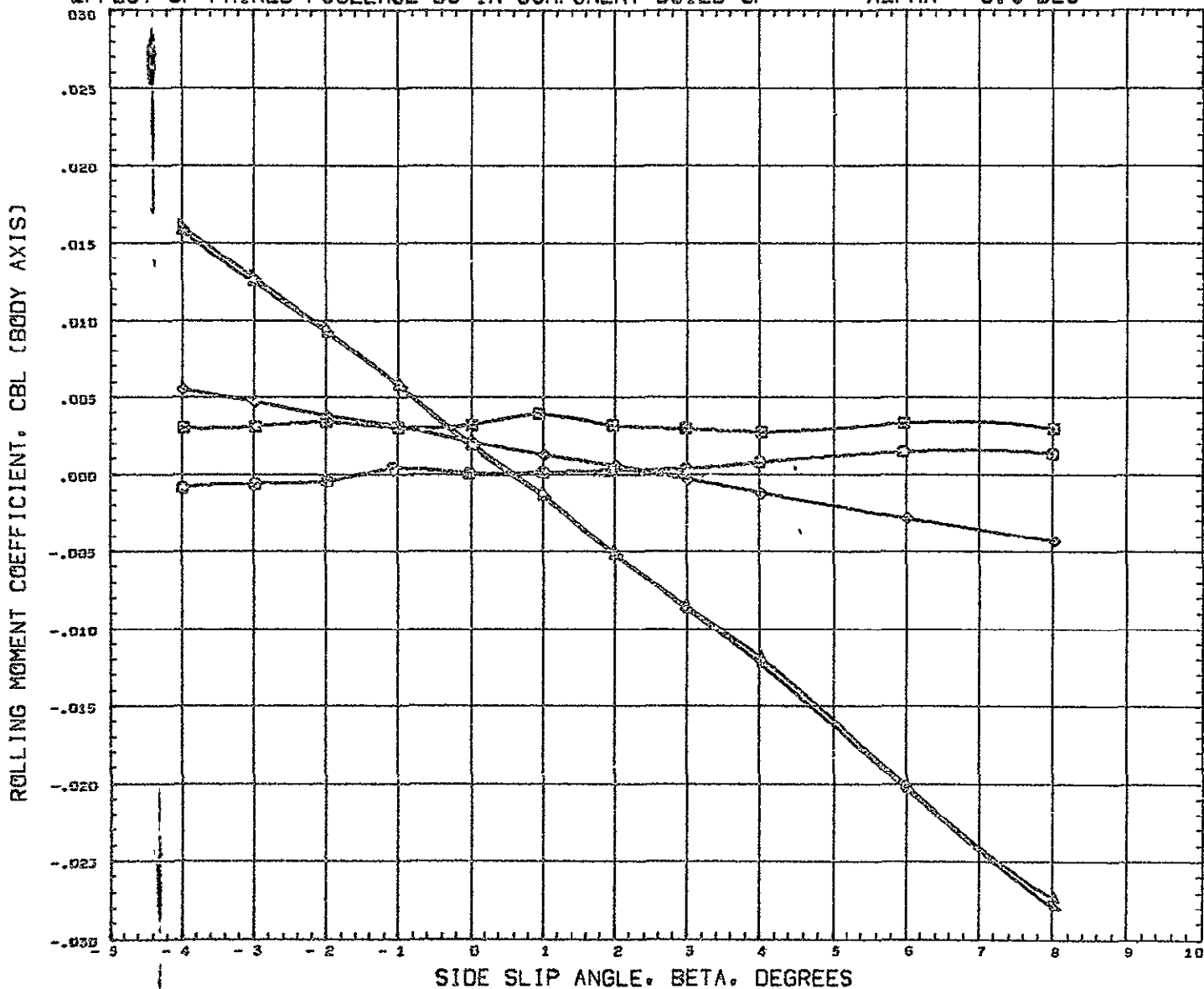
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG090)	NAAL 032 SSV-STR WING FORCE-NAC B9	ALPHA 6.000
(RCG085)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10	
(RCG080)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12	
(RCG070)	NAAL 032 SSV-STR WING FORCE-NAC B9 W10 H12 V5	
(RCG075)	NAAL 032 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 6.0 DEG

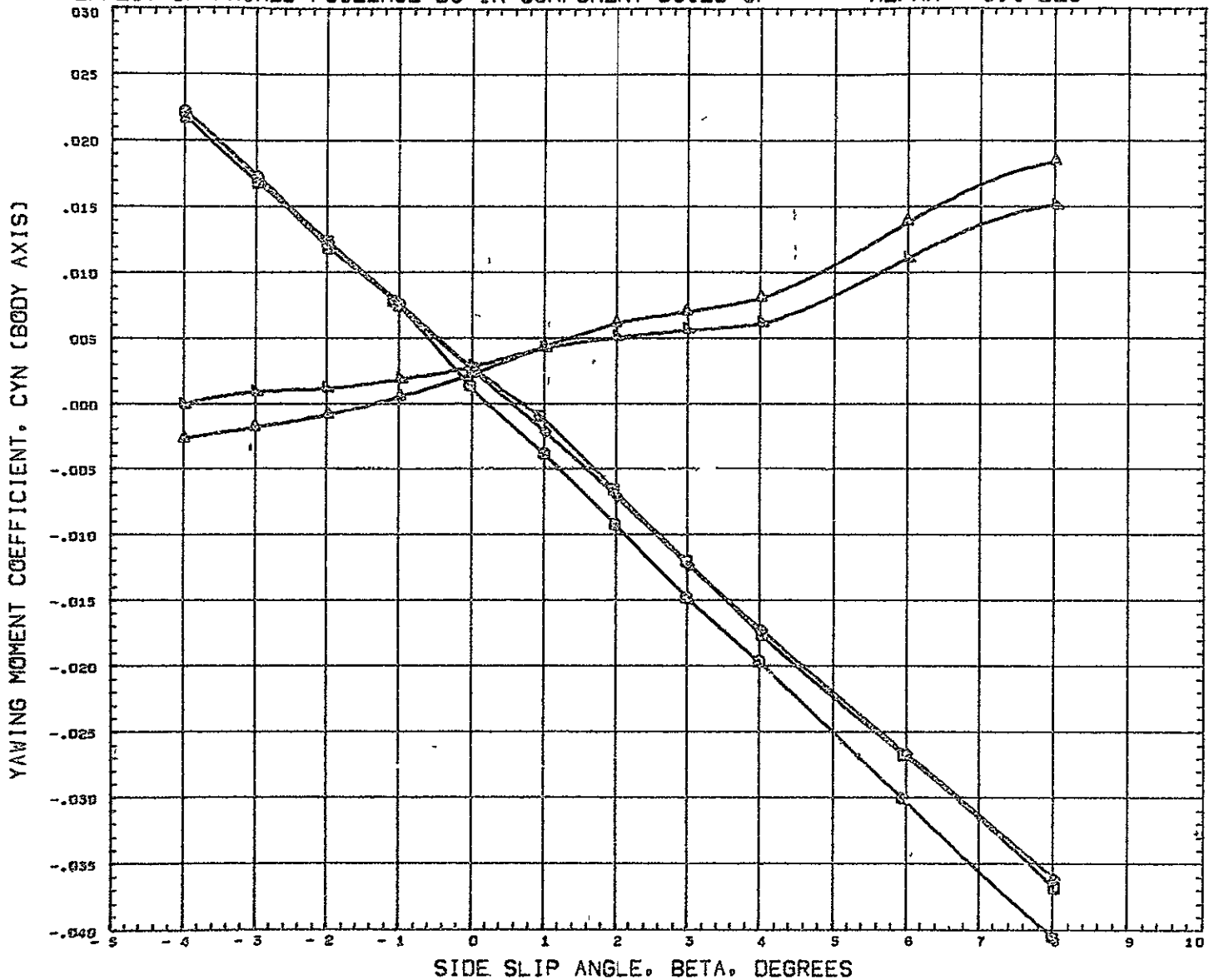


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TCG098)	□ NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 6.000	REFS 0 1790 SQ FT
(TCG085)	□ NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(TCG080)	◇ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(TCG070)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XNRF 9 8400 INCHES
(TCG075)	▽ NAAL 632 SSV-STR WING FORCE-NAC B9 H2 W10 H12 V5		YNRF 0 0000 INCHES
			ZNRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 6.0 DEG

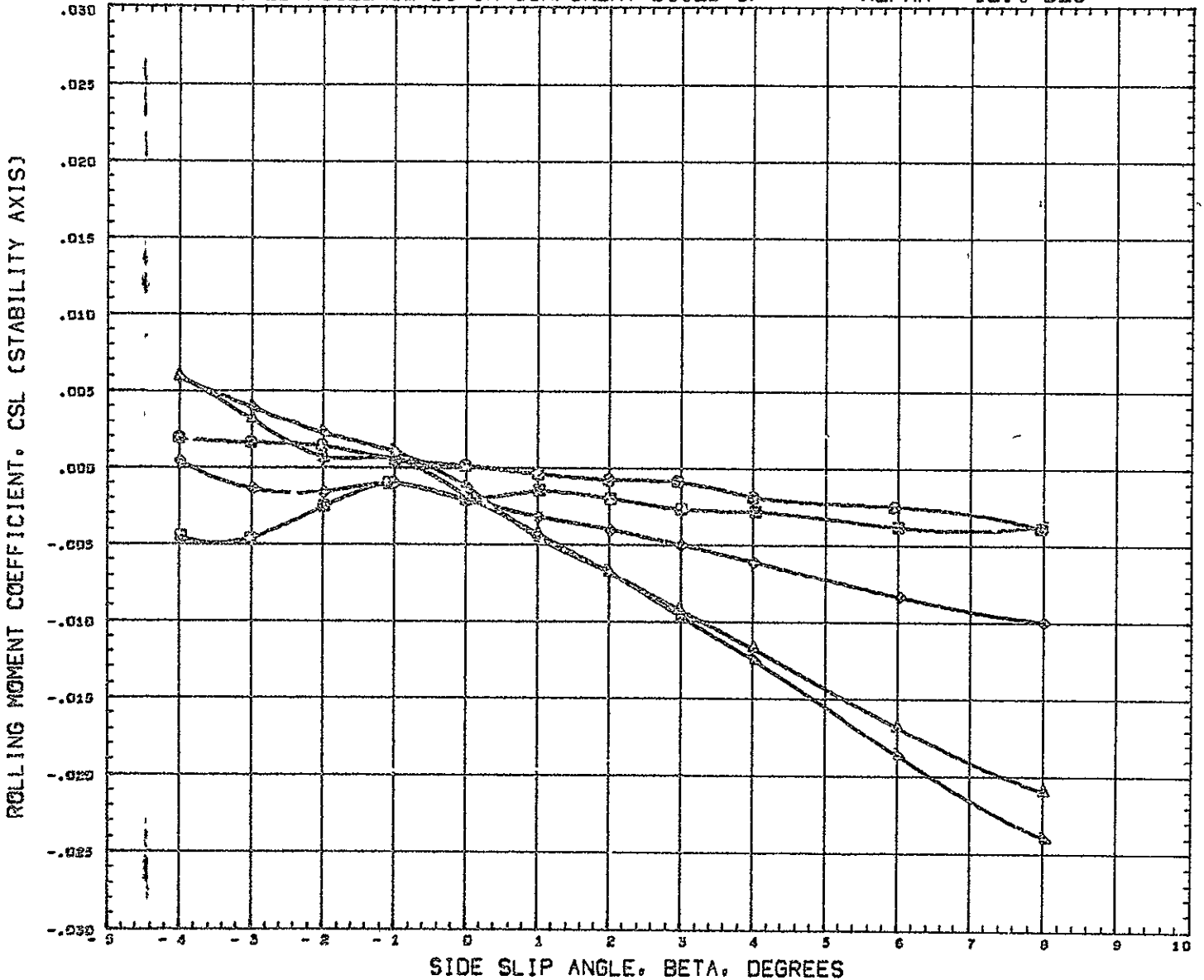


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(TC6090)	NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 6.000	REFS 0 1790 SQ FT
(TC6081)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15,7370 INCHES
(TC6080)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(TC6070)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XHRP 9 8400 INCHES
(TC6075)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 C076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 12.0 DEG

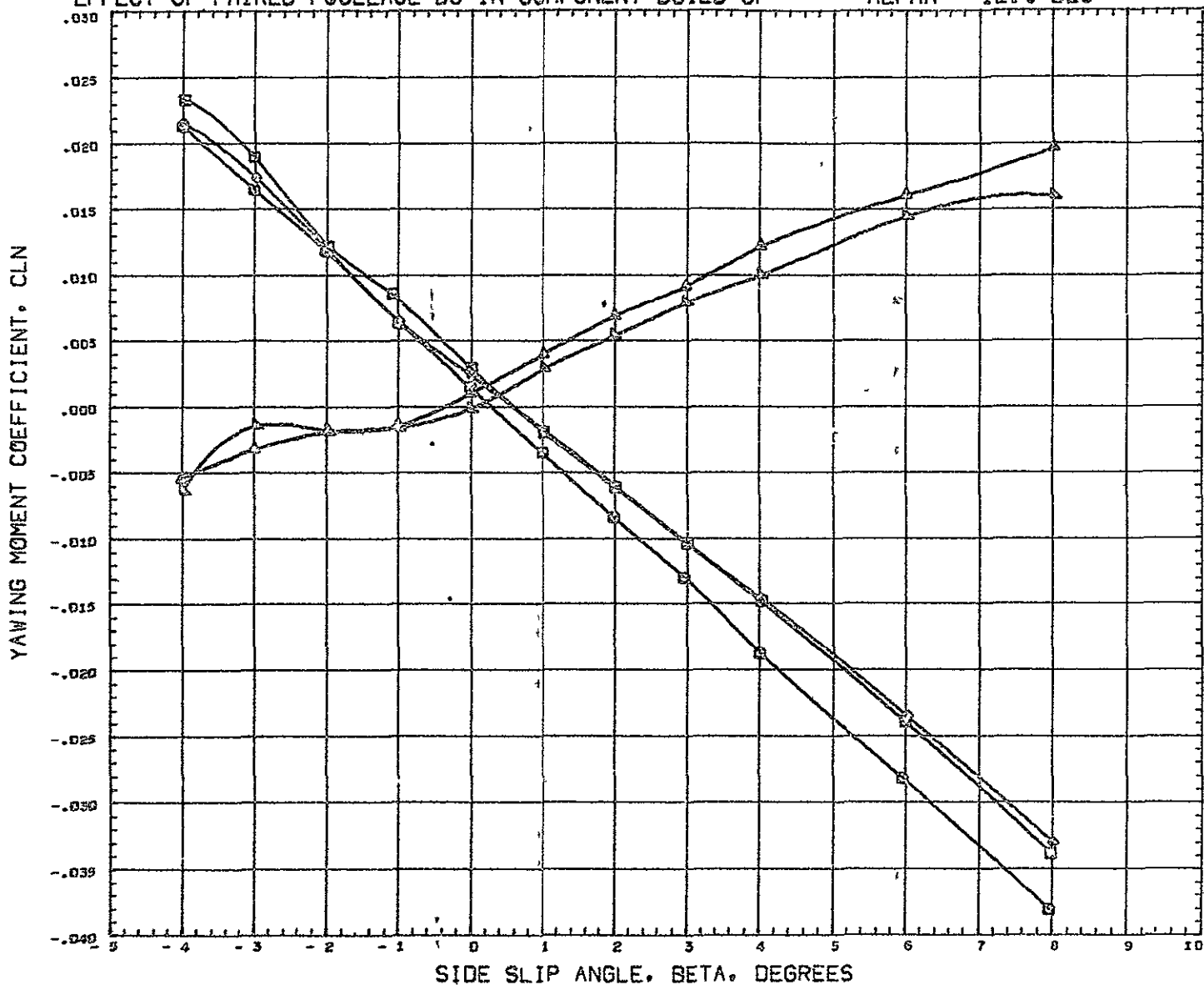


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RCG001)	NAAL 032 SSV-STR WING FORCE-MAC B9	ALPHA 12.000	REFS 0.1790 SQ.FT
(RCG008)	NAAL 032 SSV-STR WING FORCE-MAC B9 W10		REFL 15.7370 INCHES
(RCG081)	NAAL 032 SSV-STR WING FORCE-MAC B9 W10 H12		REFB 11.3390 INCHES
(RCG071)	NAAL 032 SSV-STR WING FORCE-MAC B9 W10 H12 V5		XMRP 9.8400 INCHES
(RCG076)	NAAL 032 SSV-STR WING FORCE-MAC B9 N2 W10 H12 V5		YMRP 0.0000 INCHES
			ZMRP 0.3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 12.0 DEG



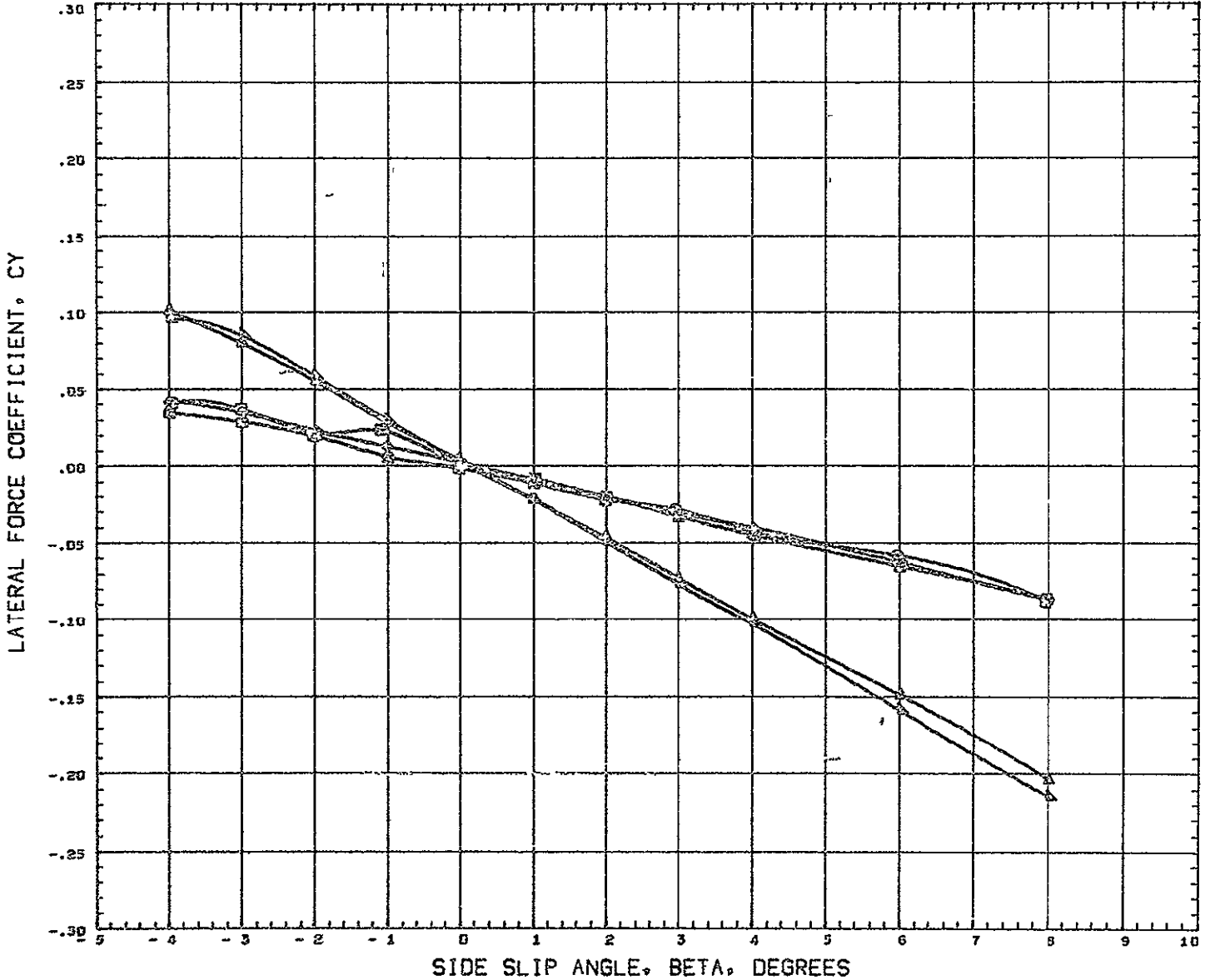
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG091)	□ NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 12.000
(RCG086)	○ NAAL 632 SSV-STR WING FORCE-NAC B9 W10	
(RCG081)	◇ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12	
(RCG071)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5	
(RCG076)	▽ NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 12.0 DEG

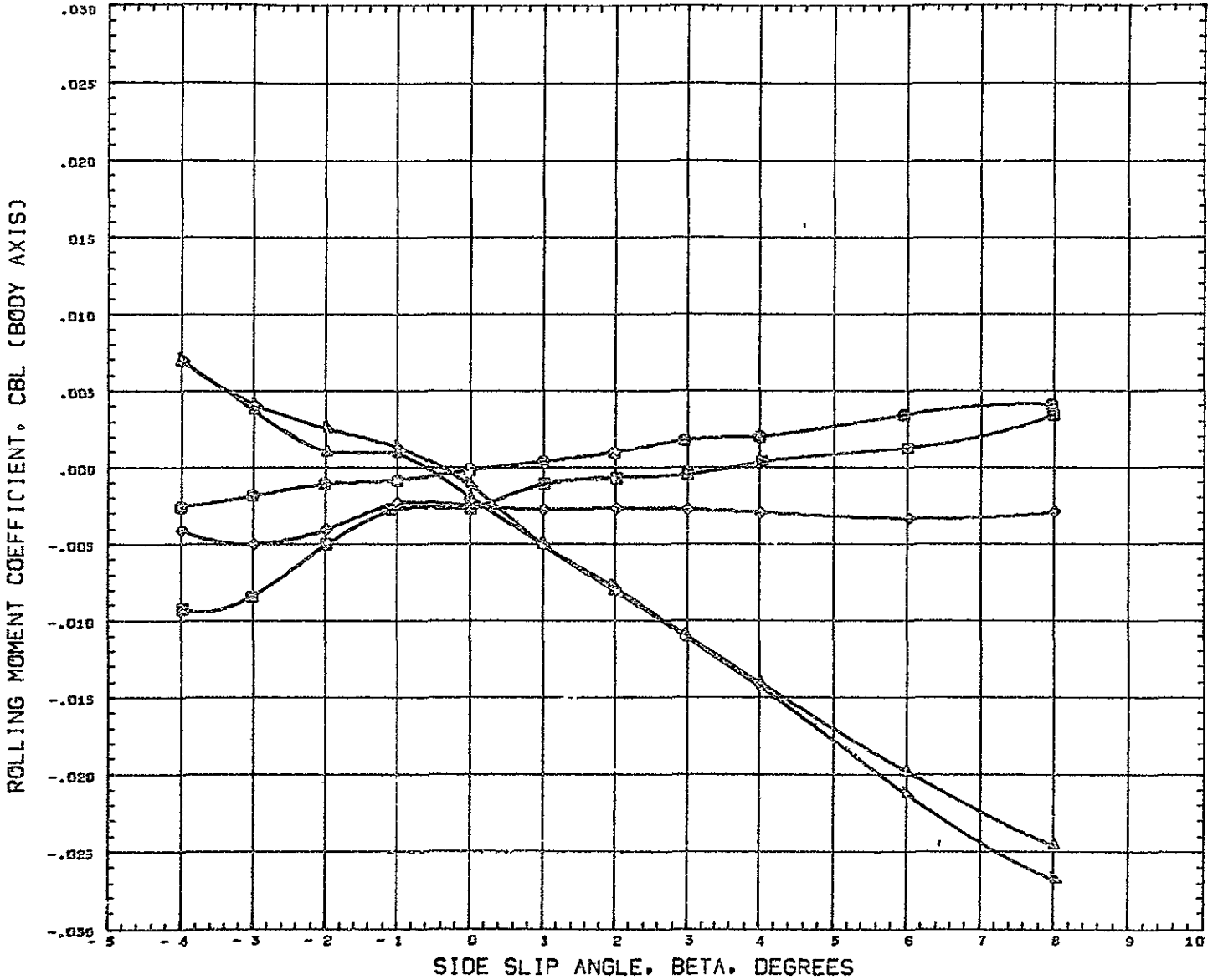


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(RC6031)	□ NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 12.000	REFS 0 1790 SQ FT
(RC6086)	○ NAAL 632 SSV-STR WING FORCE-NAC B9 W10		REFL 15 7370 INCHES
(RC6081)	△ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12		REFB 11 3390 INCHES
(RC6071)	◇ NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5		XMRP 9 8400 INCHES
(RC6076)	⊠ NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 12.0 DEG



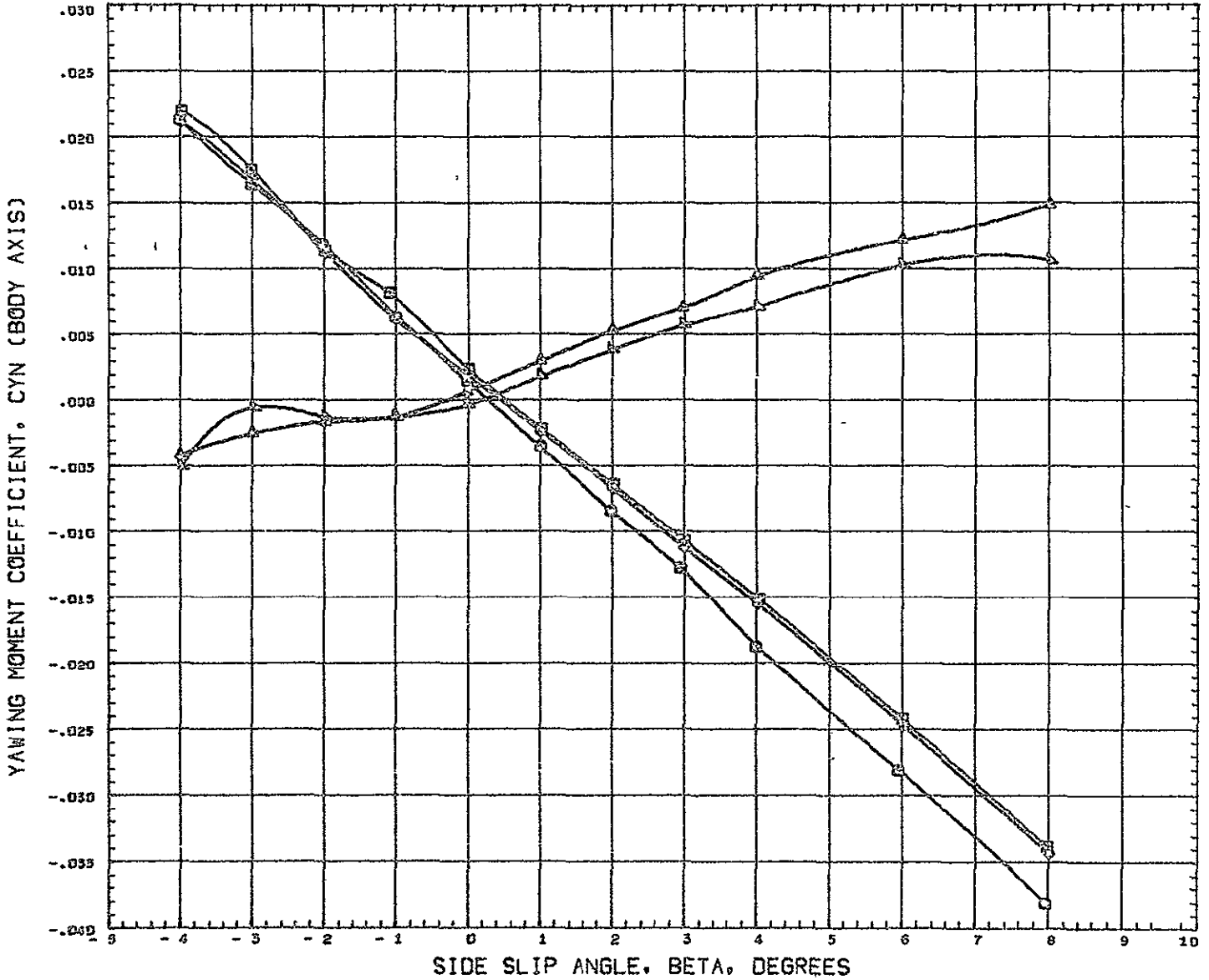
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6091)	NAAL 632 SSV-STR WING FORCE-NAC B9	ALPHA 12 000
(TC6086)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10	
(TC6081)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12	
(TC6071)	NAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5	
(TC6076)	NAAL 632 SSV-STR WING FORCE-NAC B9 N2 W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REF3	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

HACH 0 259

EFFECT OF FAIRED FUSELAGE B9 IN COMPONENT BUILD UP

ALPHA = 12.0 DEG



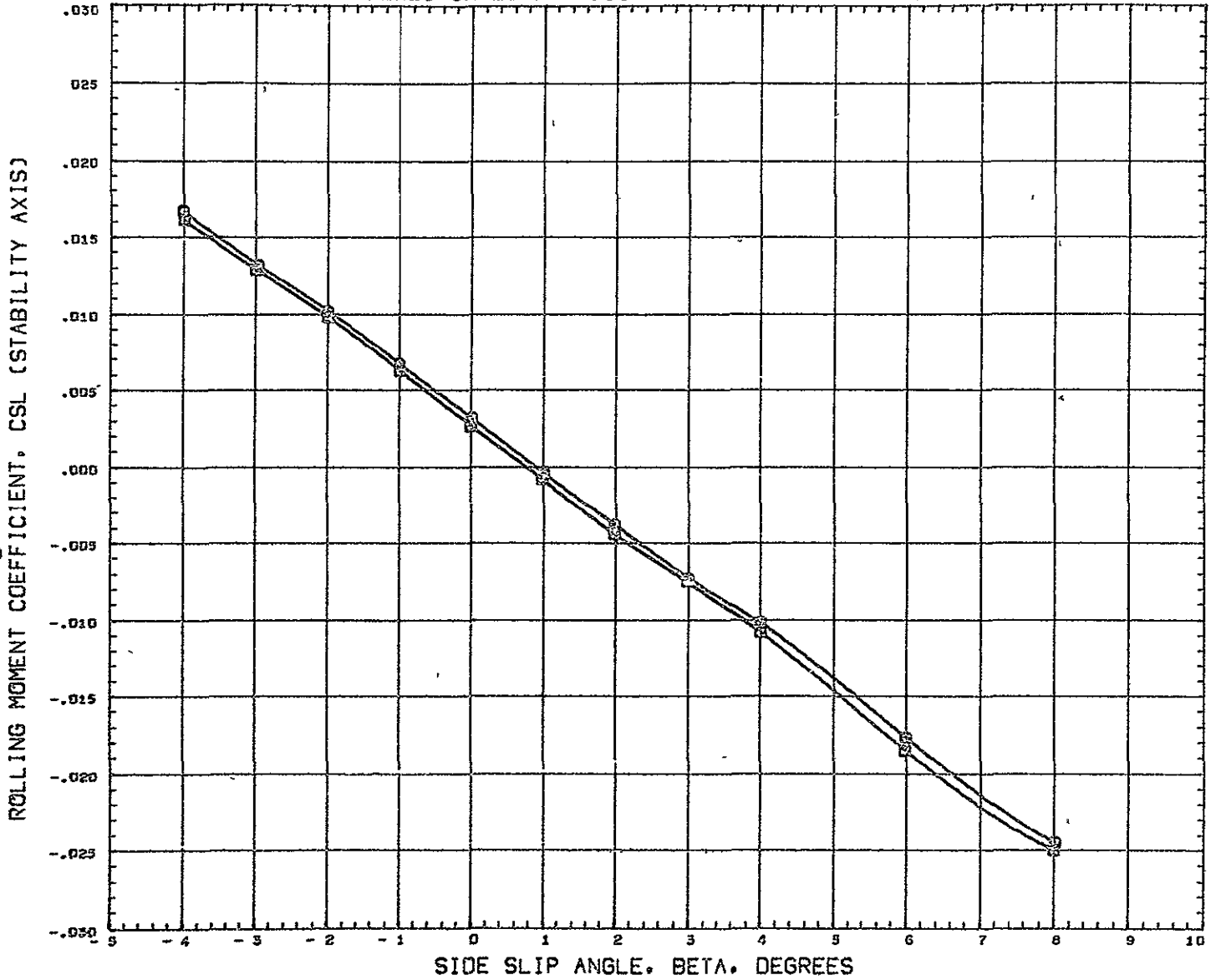
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6091)	MAAL 632 SSV-STR WING FORCE-NAC B0	ALPHA 12.000
(TC6096)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10	
(TC6091)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12	
(TC6071)	MAAL 632 SSV-STR WING FORCE-NAC B9 W10 H12 V5	
(TC6076)	MAAL 632 SSV-STR WING FORCE-NAC B9 W12 W10 H12 V5	

REFERENCE INFORMATION		
PEFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

NACH 0 259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG



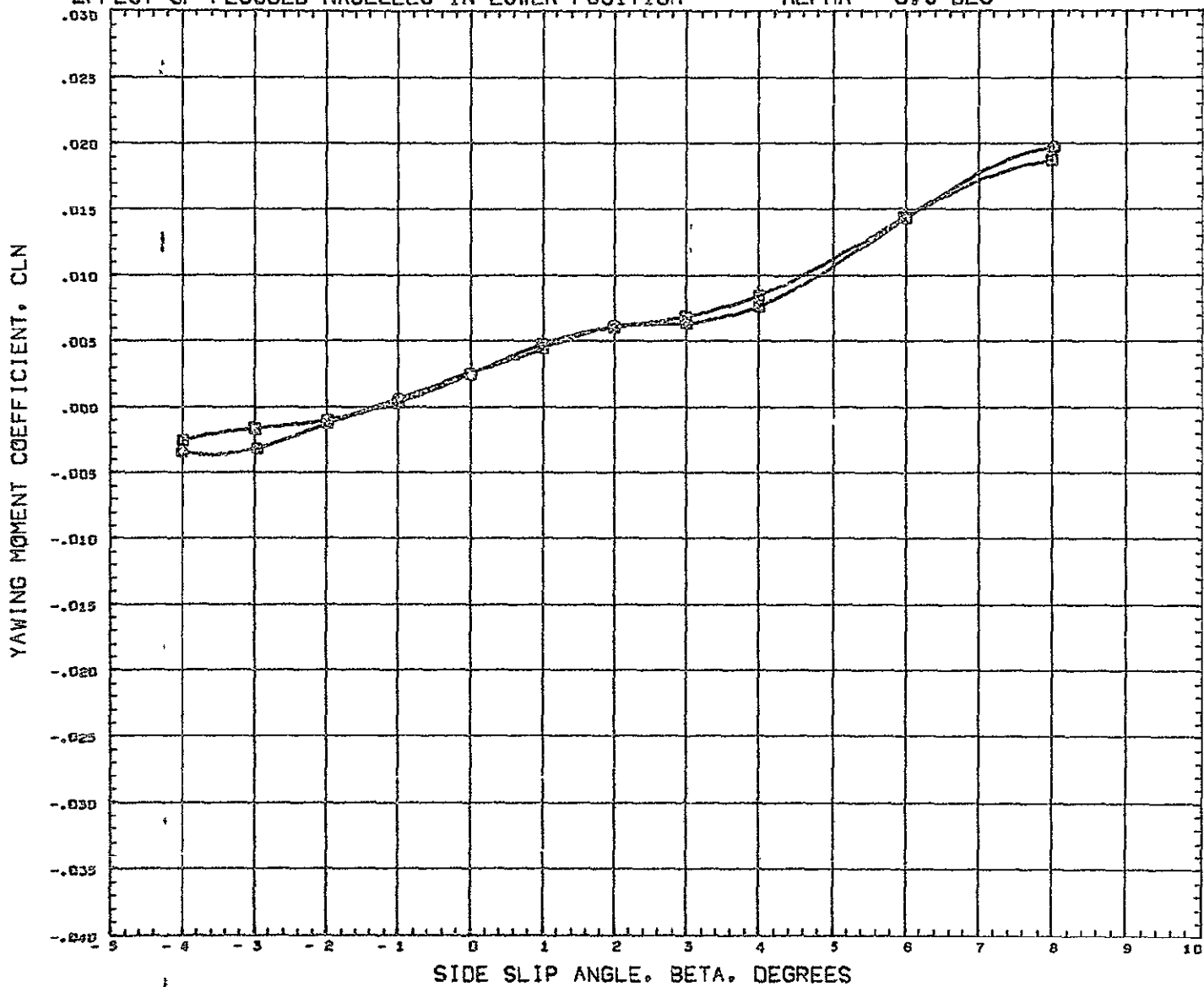
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PAPAMETRIC VALUES
(RC6104)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N6 WIG H12 V5	ALPHA 6.000
(RC6029)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N WIG H12 V5	

REFERENCE INFORMATION		
REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.239

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCC104)	NAAL 632 SSV-STR WING FORCE-NAC B6 H6 W10 H12 V5	ALFA 6.000
(RCC029)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

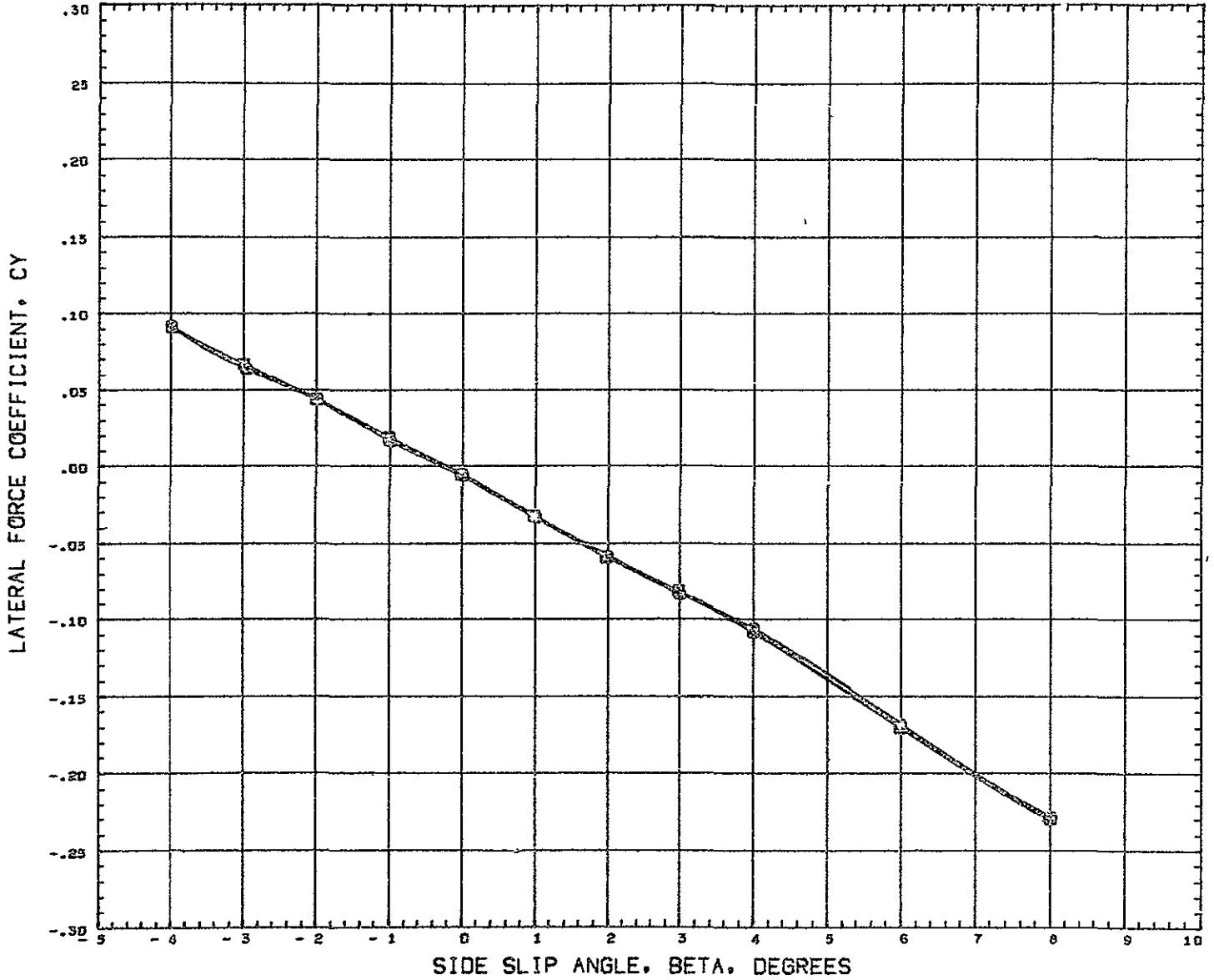
REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REPL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.239



EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG



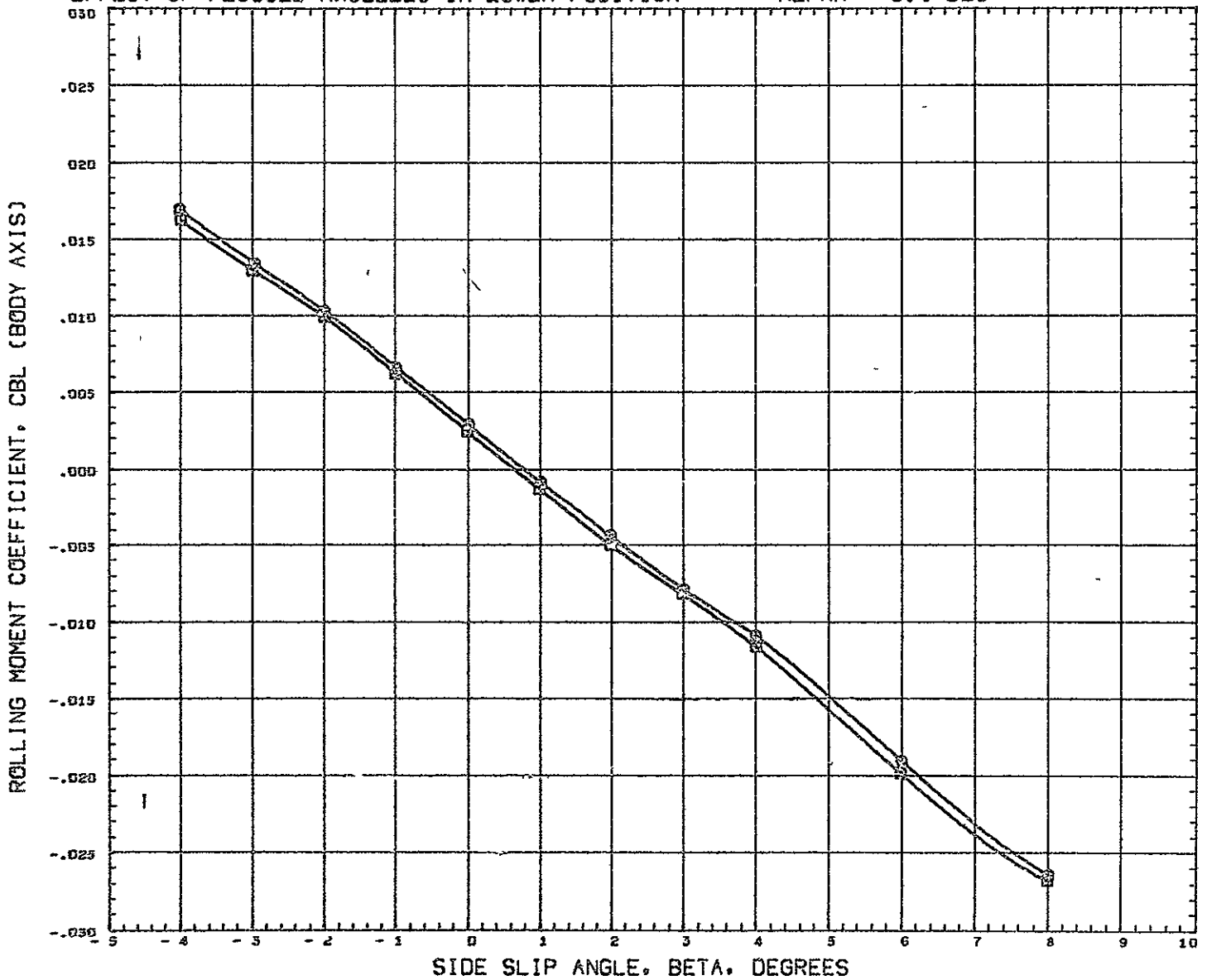
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG104)	MAAL 632 SSV-STP WING FORCE-NAC B6 N6 W10 H12 V5	ALPHA 6.000
(RCG029)	MAAL 632 SSV-STR WING FORCE-NAC B5 N W10 H12 V5	

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	*INCHES
XMRP	9 6400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.239

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG

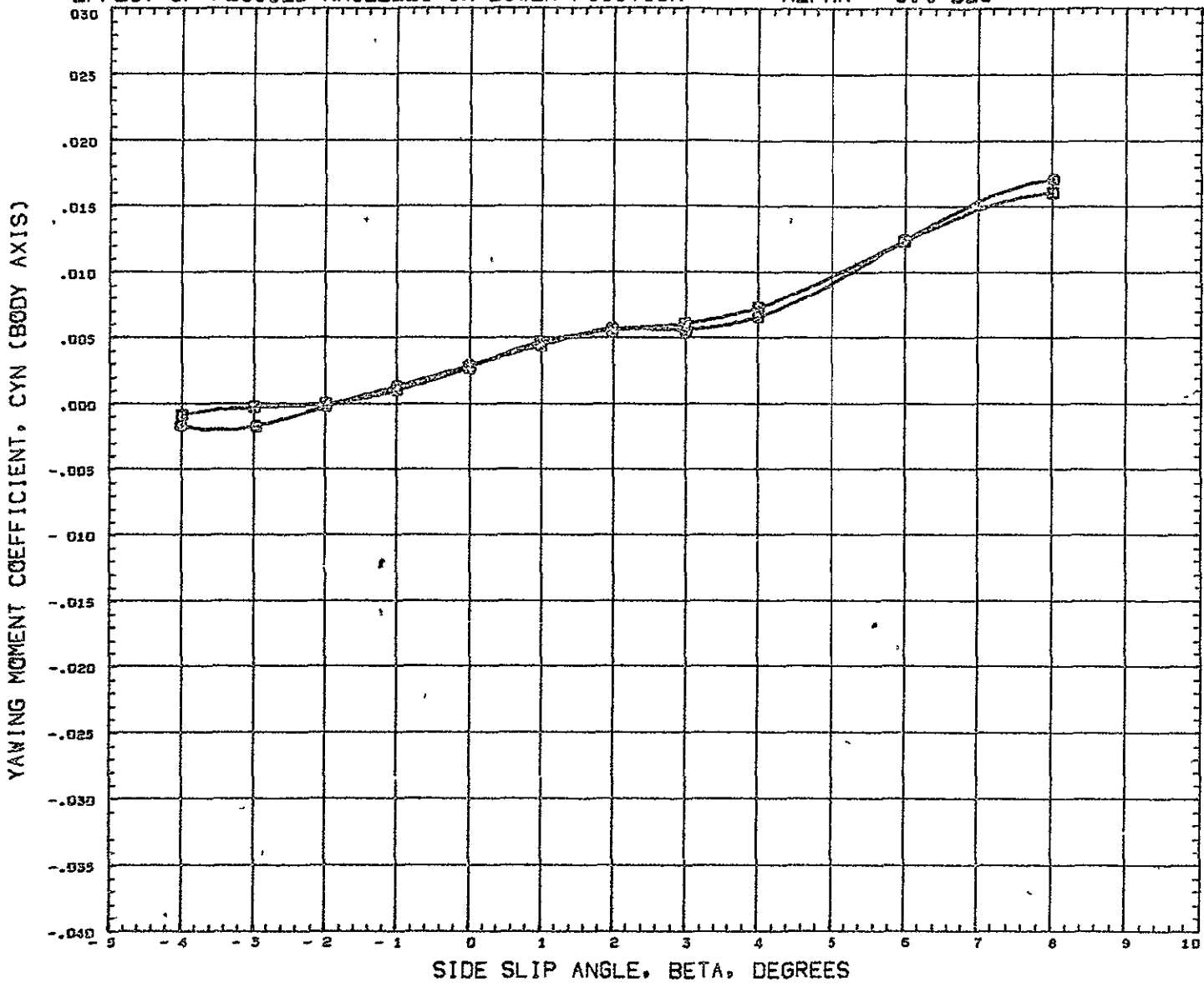


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6184)	NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5	ALPHA 6.000
(TC6029)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 6.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6104)	NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5	ALPHA 6.000
(TC6029)	NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

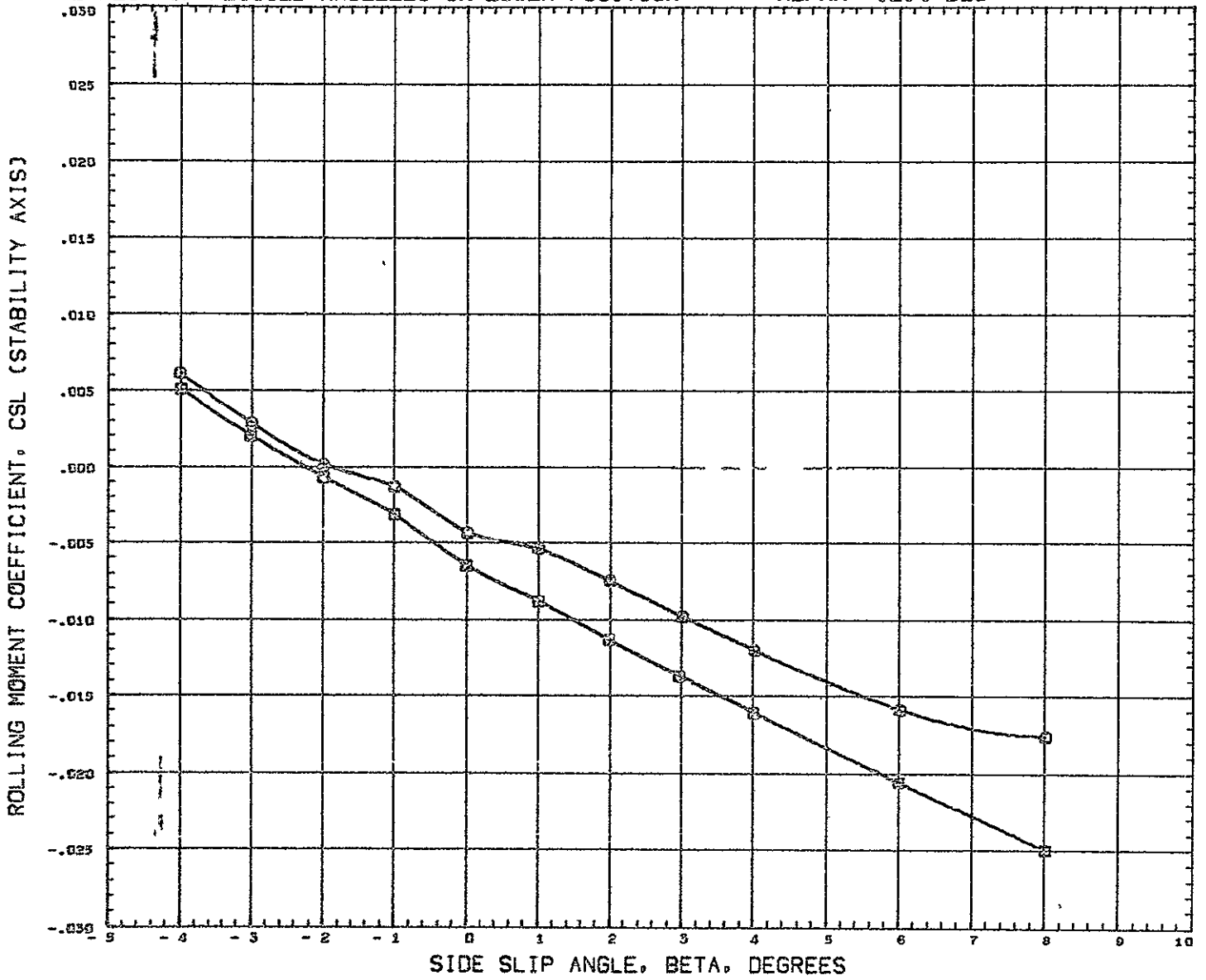
REFERENCE INFORMATION

REFS	0 1790	SQ.FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 12.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG105)	□ NAAL 632 SSV-STR WING FORCE-MAC B6 M6 WID H12 V5	ALPHA 12.000
(RCG030)	○ NAAL 632 SSV-STR WING FORCE-MAC B6 N WID H12 V5	

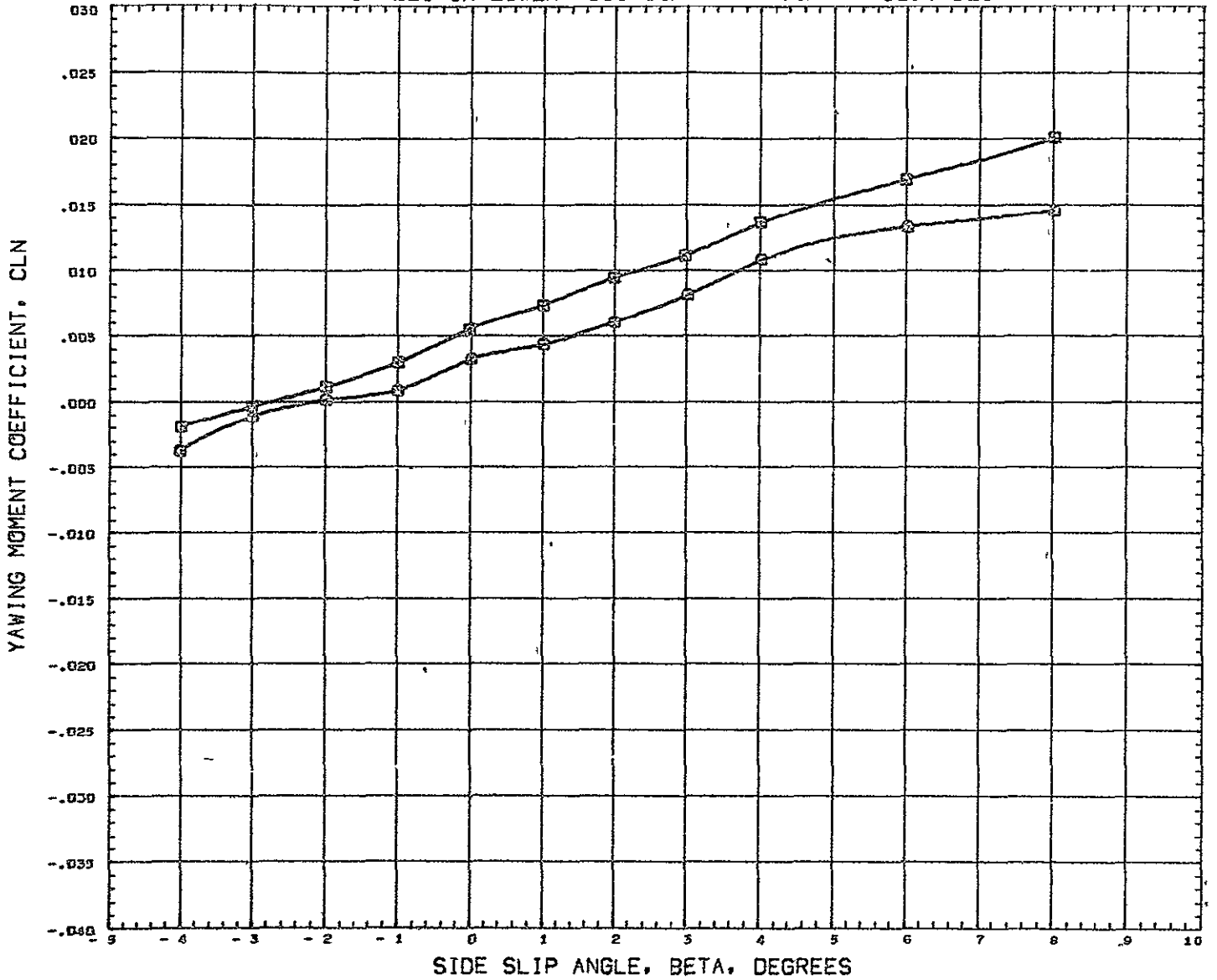
REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0 259



EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 12.0 DEG



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RC6103)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5	ALPHA 12 000
(RC6030)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

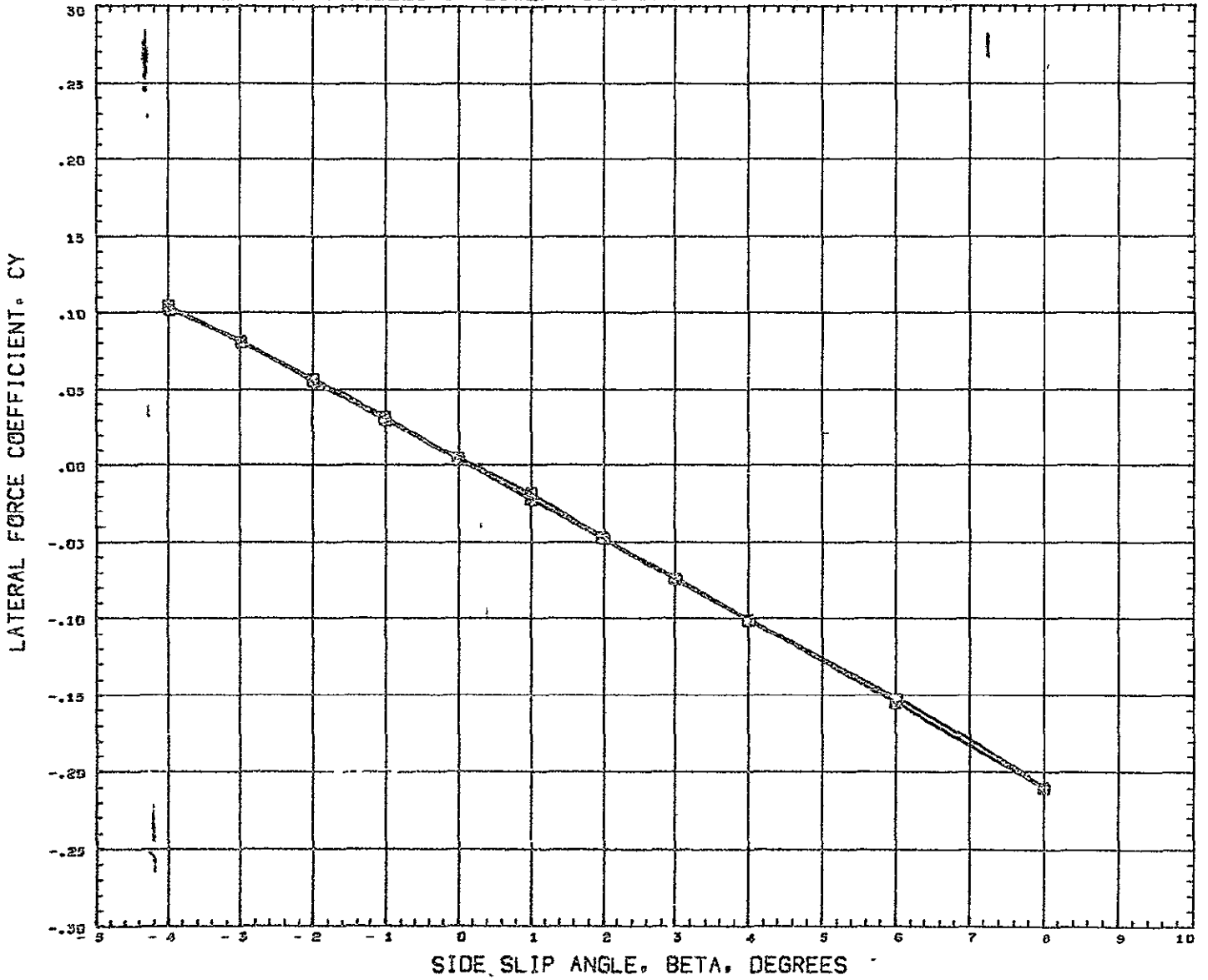
REFERENCE INFORMATION

REPS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 12.0 DEG



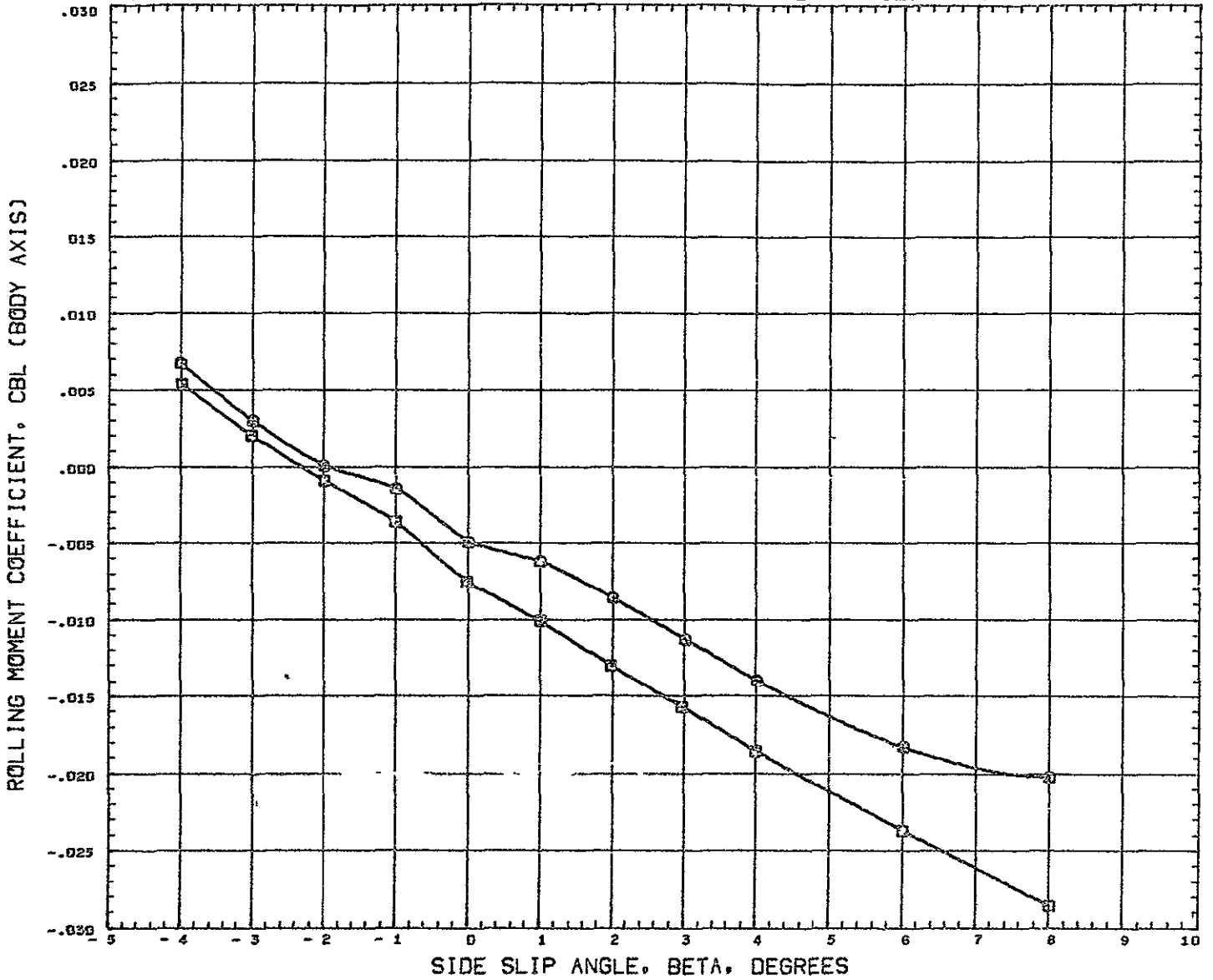
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(RCG105)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 H6 WID P12 V5	AL ² IN 12 000
(RCG030)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 H6 WID H12 V5	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	00/6 SCALE

MACH 0.239

EFFECT OF PLUGGED NACELLES IN LOWER POSITION

ALPHA = 12.0 DEG



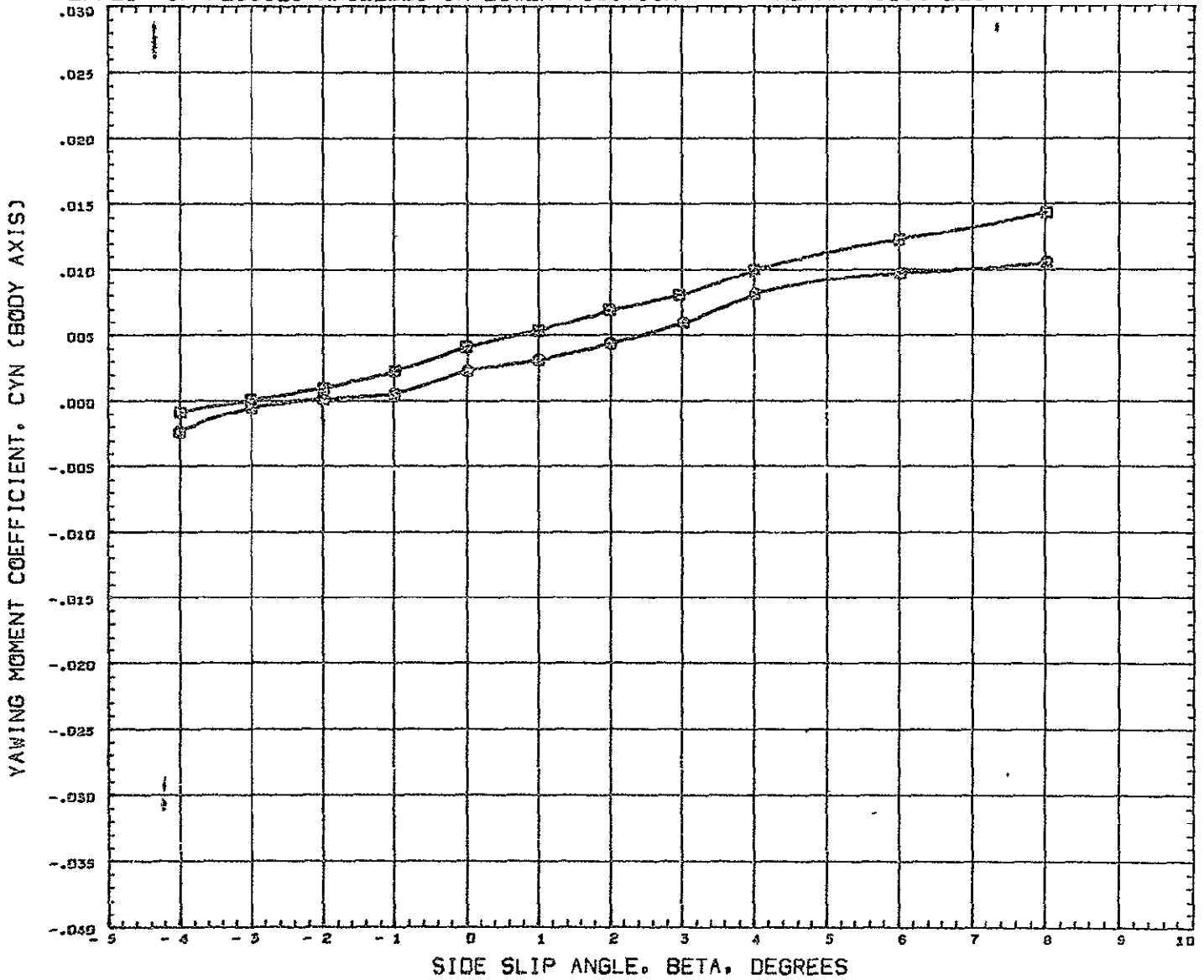
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6105)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5	ALPHA 12.000
(TC6030)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

412

EFFECT OF PLUGGED NACELLES IN LOWER POSITION - ALPHA =12.0 DEG



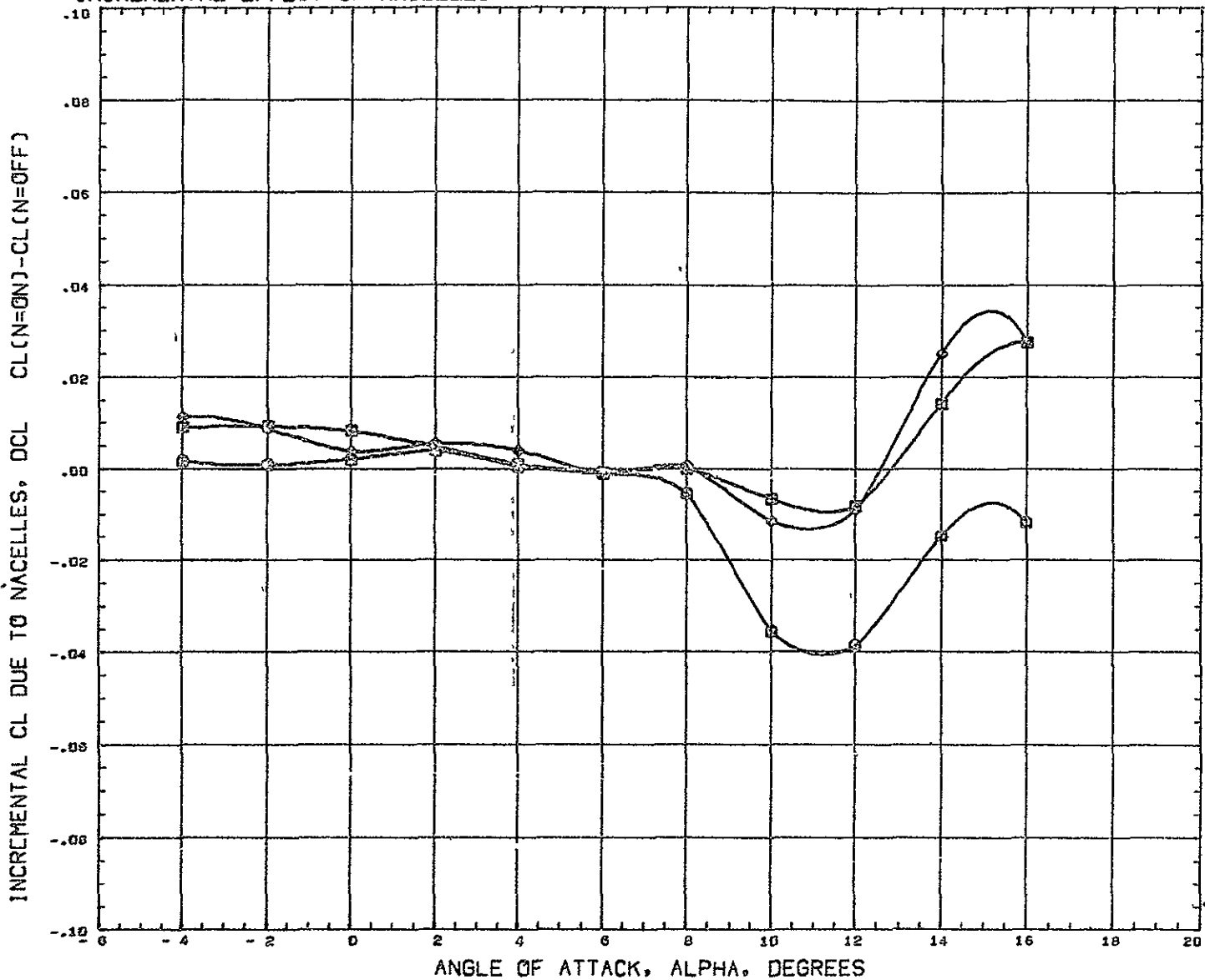
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(TC6105)	□ NAAL 632 SSV-STR WING FORCE-NAC B6 N6 W10 H12 V5	ALPHA 12 000
(TC6930)	○ NAAL 632 SSV-STR WING FORCE-NAC B6 N W10 H12 V5	

REFERENCE INFORMATION

REFS	0.1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YNRP	0 0000	INCHES
ZNRP	0 3840	INCHES
SCALE	0.0076	SCALE

MACH 0.299

INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6001)	HAAL632 SSV-STR WING B6W10H12V5N1 (N=ON-N=OFF)
(BC6002)	HAAL632 SSV-STR WING B6W10H12V5N2 (N=ON-N=OFF)
(BC6003)	HAAL632 SSV-STR WING B6W10H12V5N3 (N=ON-N=OFF)

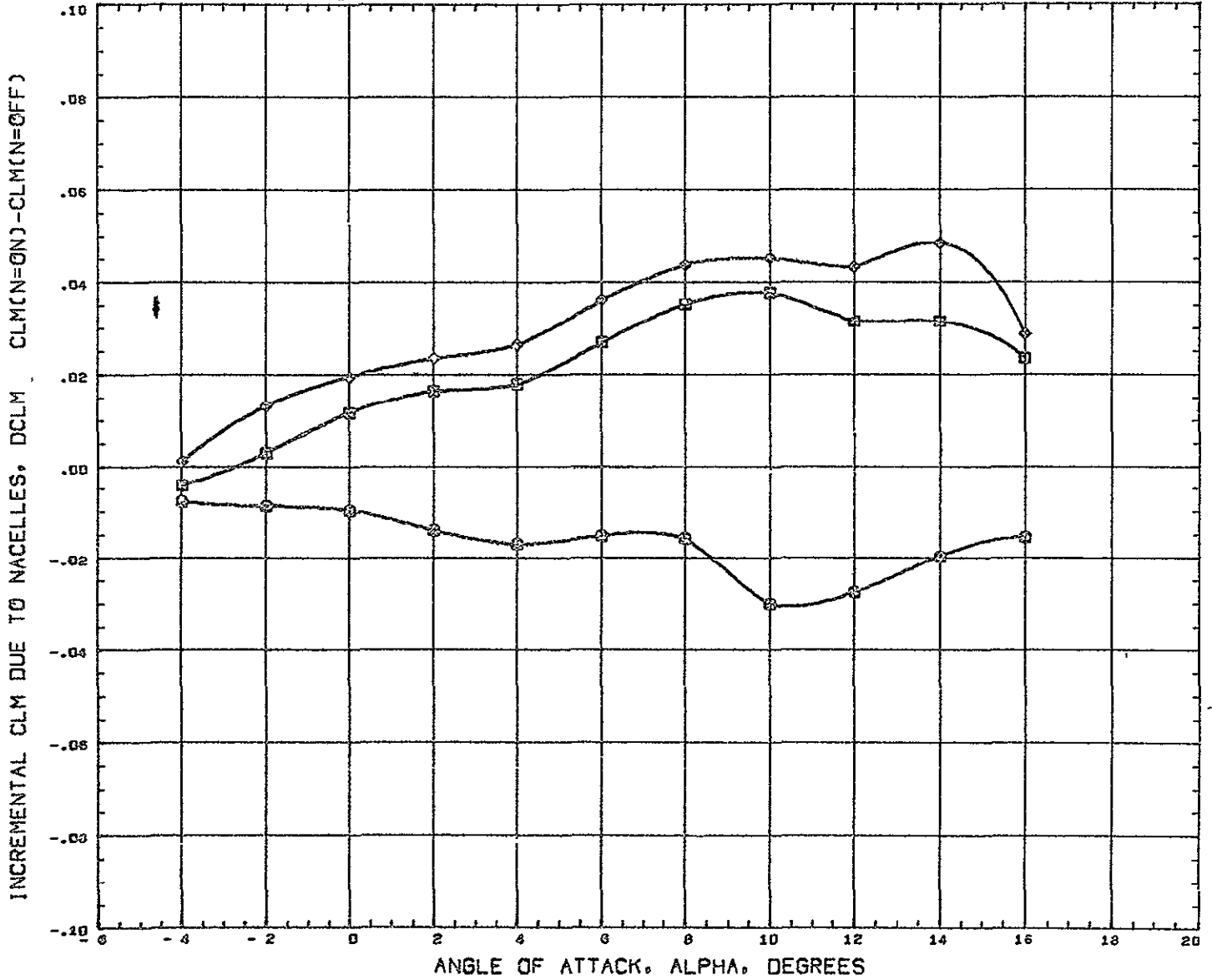
PARAMETRIC VALUES
 BETA 0.000

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.239

12

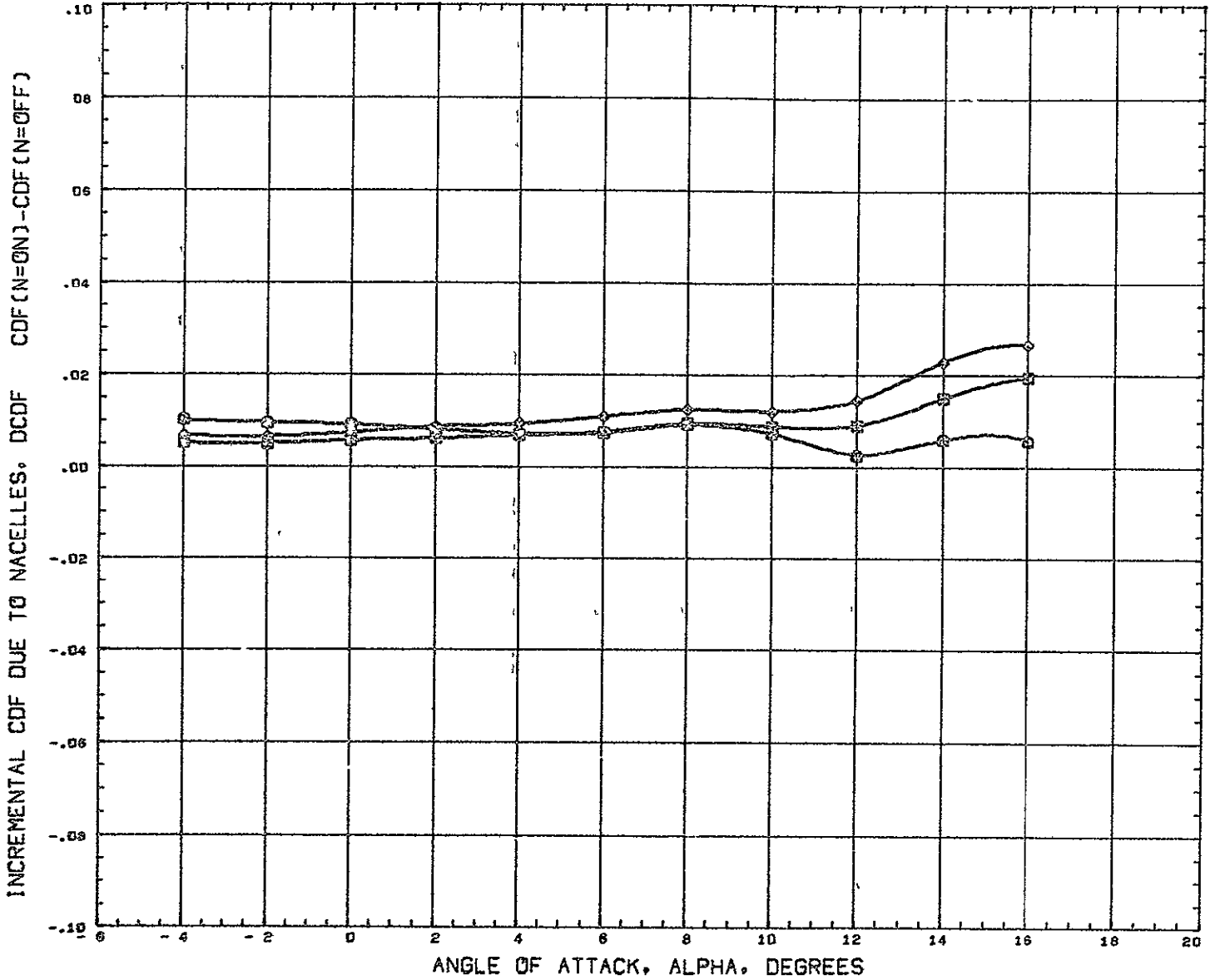
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC0001)	NAAL632 SSV-STR WING B6W1DH12V5N1 (N=ON-N=OFF)	BETA 0.000	REFS 0 1790 SQ FT.
(BC0002)	NAAL632 SSV-STR WING B6W1DH12V5N2 (N=ON-N=OFF)		REFL 15 7370 INCHES
(BC0003)	NAAL632 SSV-STR WING B6W1DH12V5N3 (N=ON-N=OFF)		PEFL 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

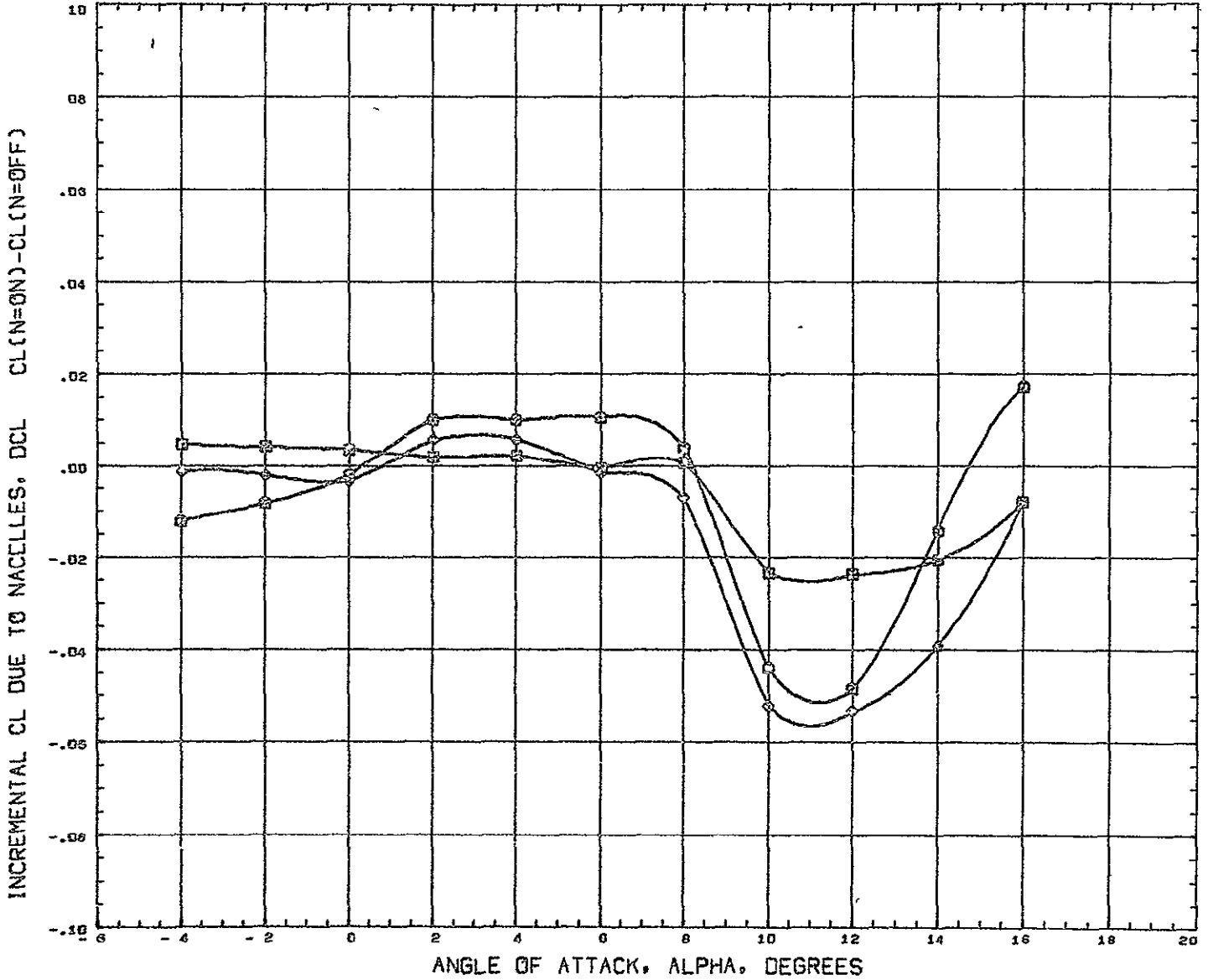
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6001)	NAAL632 SSV-STP WING B6W1DH12V5H1 (N=ON-N=OFF)	0.000		REFS 0 1790 SQ FT
(BC6002)	NAAL632 SSV-STP WING B6W1DH12V5H2 (N=ON-N=OFF)			REFL 15 7370 INCHES
(BC6003)	NAAL632 SSV-STP WING B6W1DH12V5H3 (N=ON-N=OFF)			REFB 11 3390 INCHES
				XHRP 9 8400 INCHES
				YHRP 0 0000 INCHES
				ZHRP 0 3840 INCHES
				SCALE 0 0076 SCALE

HACH 0.259

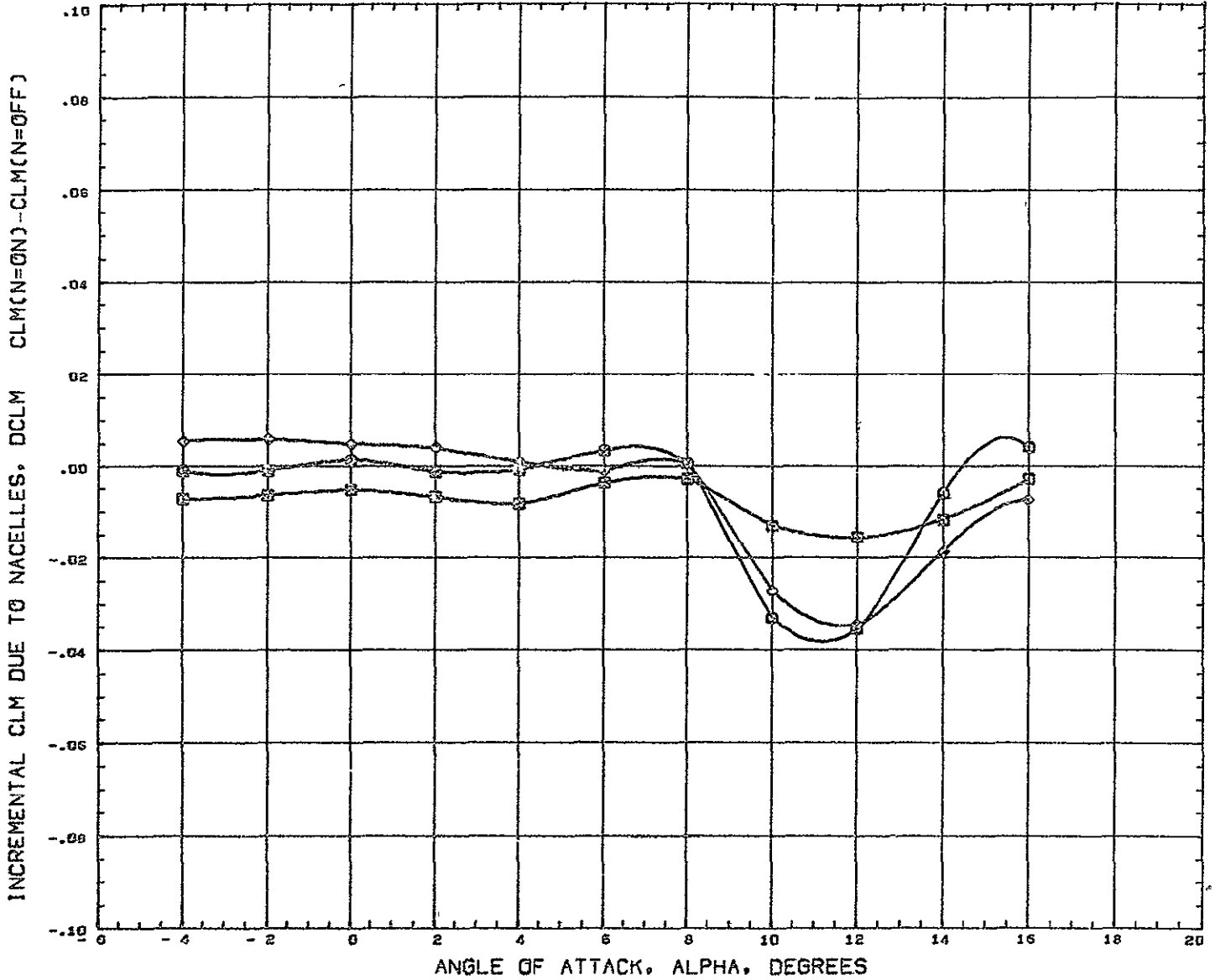
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6004)	NAAL632 SSV-STR WING B6W1DH12V5N4 (N=ON-N=OFF)	9E14 0 000	REFS 0.1790 SQ FT
(BC6005)	NAAL632 SSV-STR WING B6W1DH12V5N5 (N=ON-N=OFF)		REFL 15 7370 INCHES
(BC6006)	NAAL632 SSV-STR WING B6W1DH12V5N6 (N=ON-N=OFF)		REFB 11 3390 INCHES
			XHRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZMPP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 299

INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC6004) □ NAAL632 SSV-STR WING B6W10N12V5N4 (N=ON-N=OFF)

(BC6005) □ NAAL632 SSV-STR WING B6W10N12V5N5 (N=ON-N=OFF)

(BC6006) ◊ NAAL632 SSV-STR WING B6W10N12V5N6 (N=ON-N=OFF)

PARAMETRIC VALUES

BETA 0.000

REFERENCE INFORMATION

REFS 0.1790 SQ FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XMRP 9 8400 INCHES

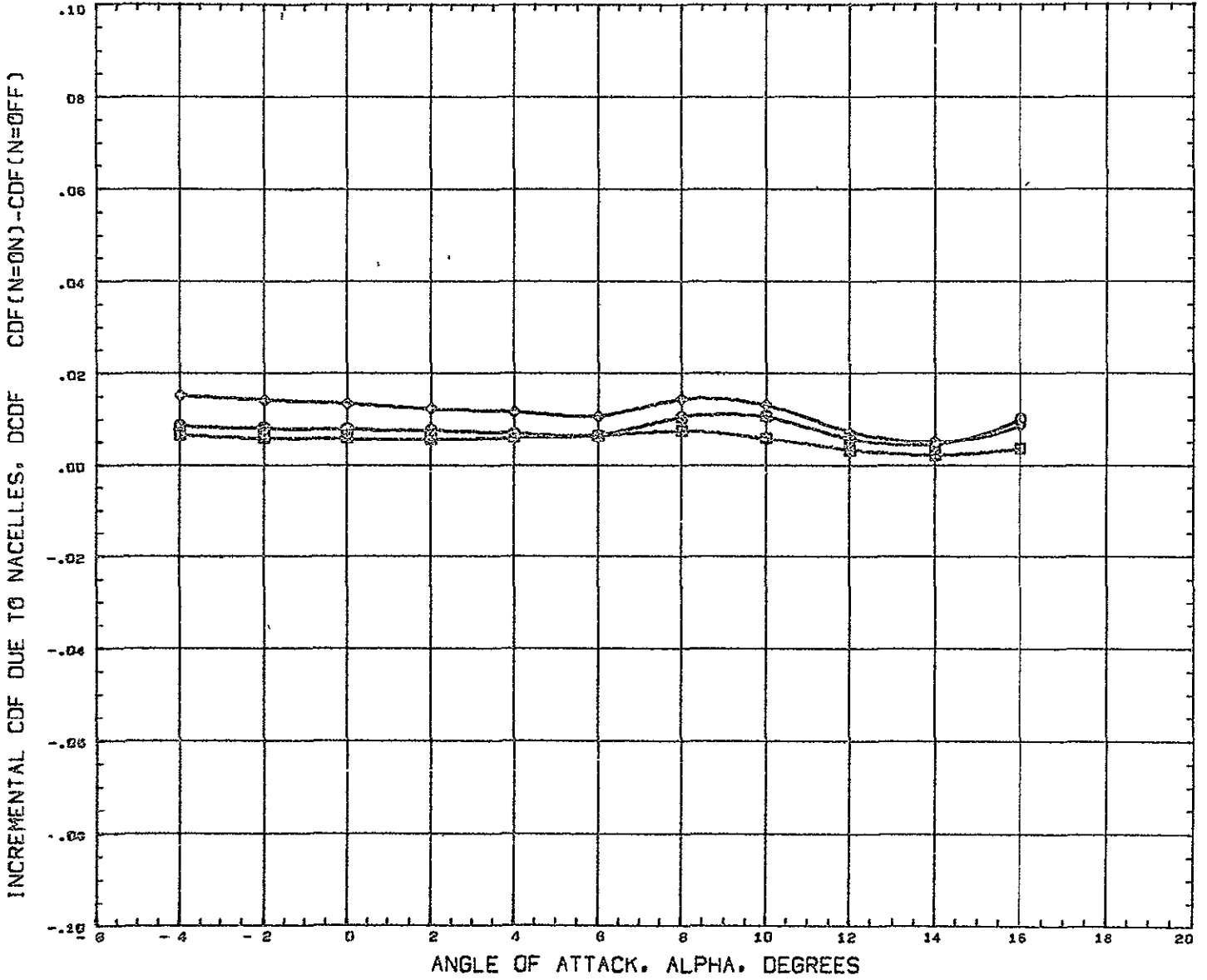
YMRP 0 0000 INCHES

ZMRP 0 3840 INCHES

SCALE 0 0076 SCALE

MACH 0.259

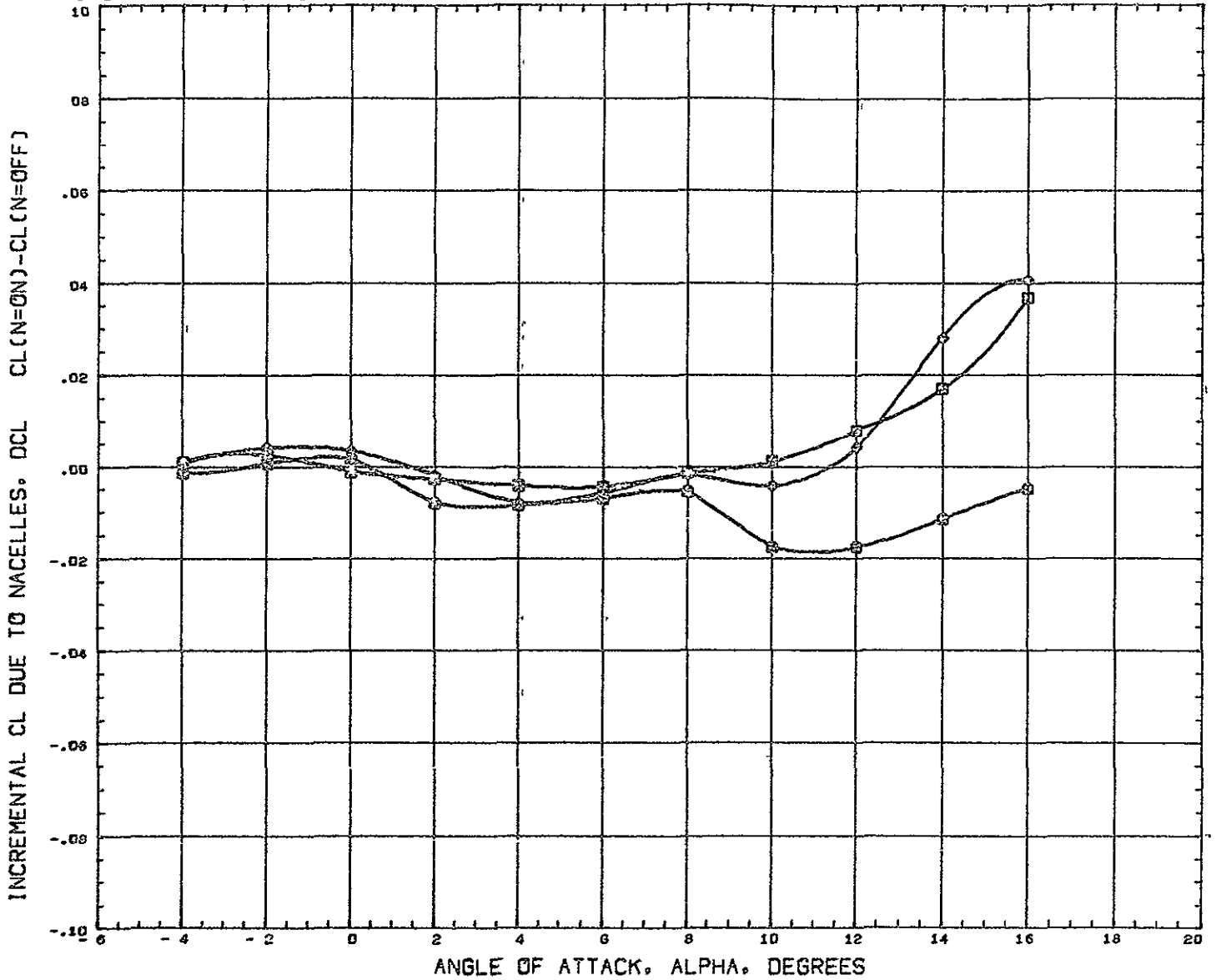
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6004)	NAAL632 SSV-STR WING B6W10H12V3N6 (N=ON-N=OFF)	SE** 0 000	REFS 0 1790 SQ FT
(BC6005)	NAAL632 SSV-STR WING B6W10H12V3N3 (N=ON-N=OFF)		REFL 15 7370 INCHES
(BC6006)	NAAL632 SSV-STR WING B6W10H12V3N6 (N=ON-N=OFF)		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH D.259

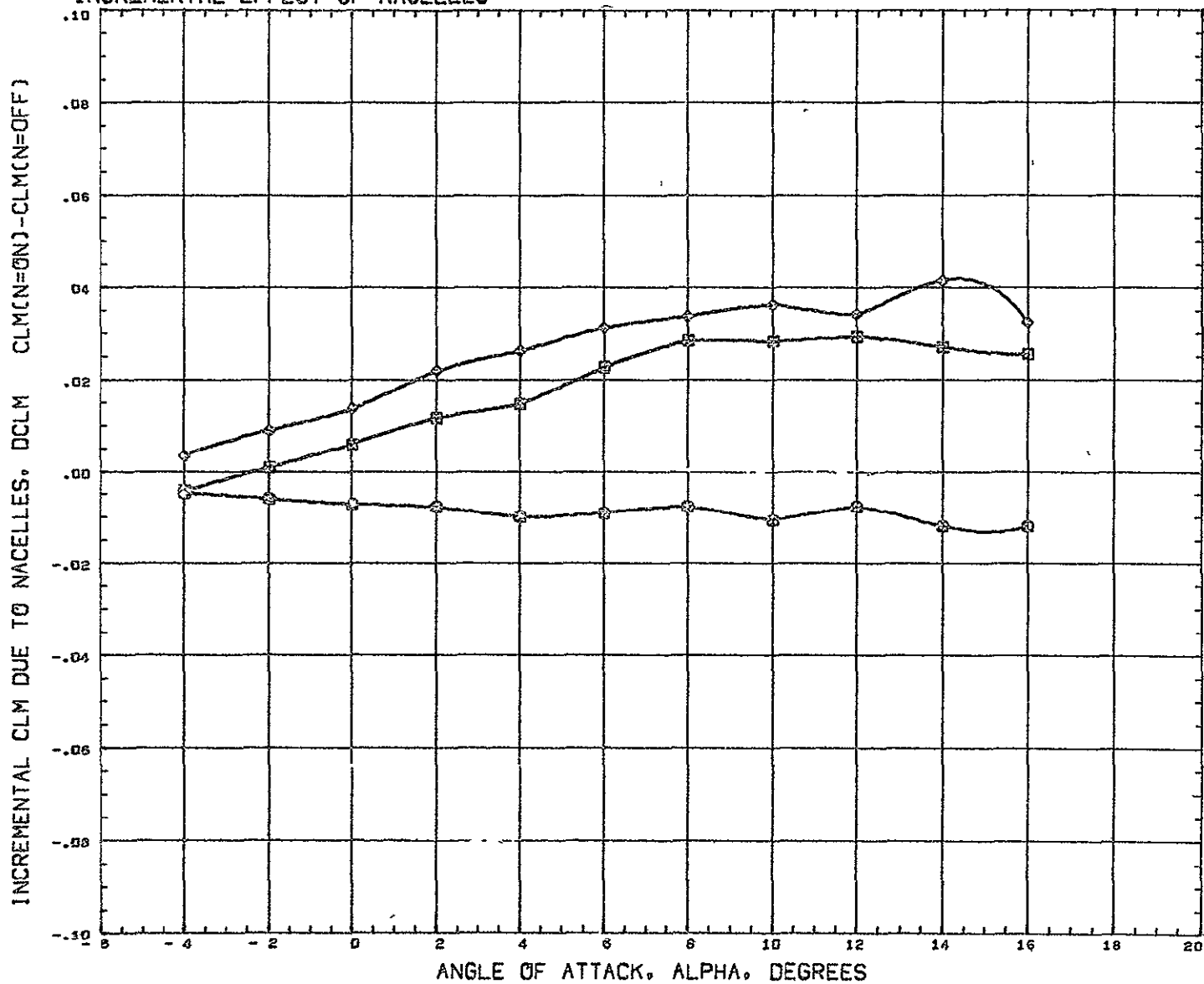
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BCC007)	NAAL632 SSV-STR WING B6W10H12V5N1 (N=ON-N=OFF)	821A 5 000	REFS 0 1790 SQ FT.
(BCC008)	NAAL632 SSV-STR WING B6W10H12V5N2 (N=ON-N=OFF)		REFL 15 7370 INCHES
(BCC009)	NAAL632 SSV-STR WING B6W10H12V5N3 (N=ON-N=OFF)		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

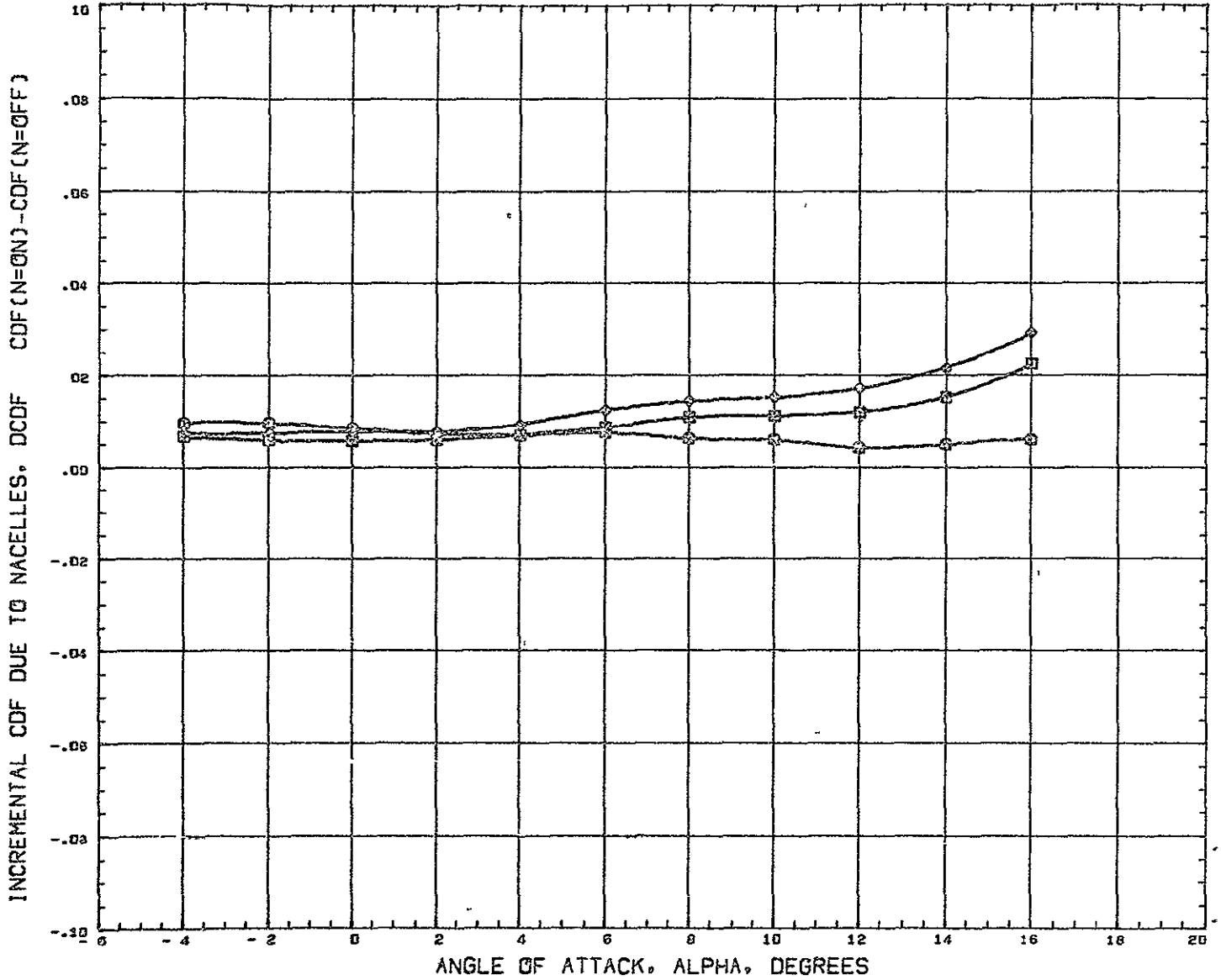
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(DC0007)	NAAL632 SSV-STR WING B6W1DH12V5N1 (N=ON-N=OFF)	BETA 5 000	REFS 0 1790 SQ FT
(BC0008)	NAAL632 SSV-STR WING B6W1DH12V5N2 (N=ON-N=OFF)		REFL 15 7370 INCHES
(DC0009)	NAAL632 SSV-STR WING B6W1DH12V5N3 (N=ON-N=OFF)		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

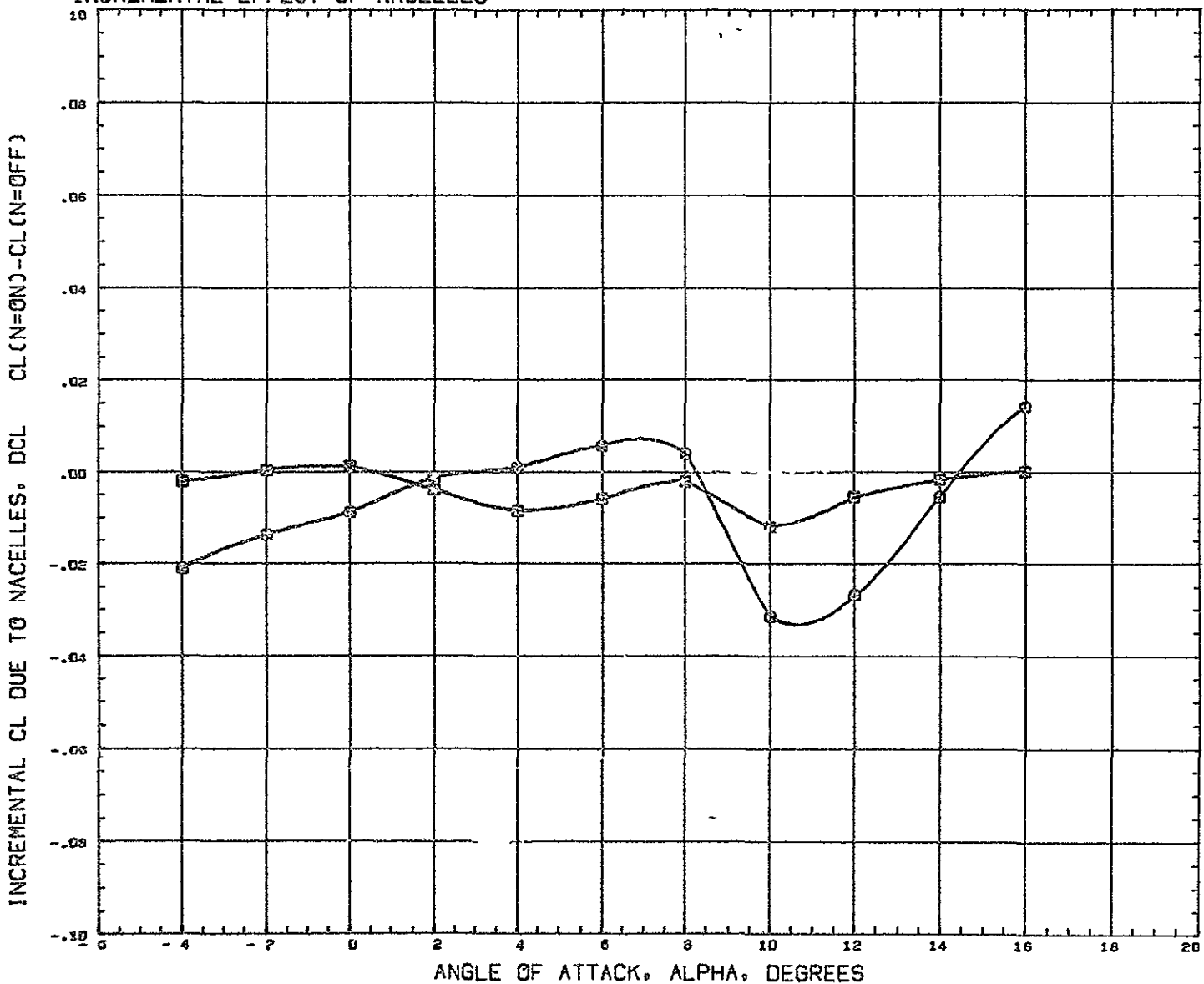
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(8C6007)	NAAL632 SSV-STR WING B6W10H12V5N1 (N=ON-N=OFF)	BETA 5 000	REFS 0 1790 SQ FT
(8C6008)	NAAL632 SSV-STR WING B6W10H12V5N2 (N=ON-N=OFF)		REFL 15 7370 INCHES
(8C6009)	NAAL632 SSV-STR WING B6W15H12V5N3 (N=ON-N=OFF)		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL CONFIGURATION DESCRIPTION PARAMETRIC VALUES

(BC6010) ○ NAAL632 SSV-STR WING B6W10H12V5N* (N=ON-N=OFF) BETA 5.000

(BC6011) □ NAAL632 SSV-STR WING B6W10H12V5N5 (N=ON-N=OFF)

REFERENCE INFORMATION

REFS 0 1790 SQ FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XMRP 9 8400 INCHES

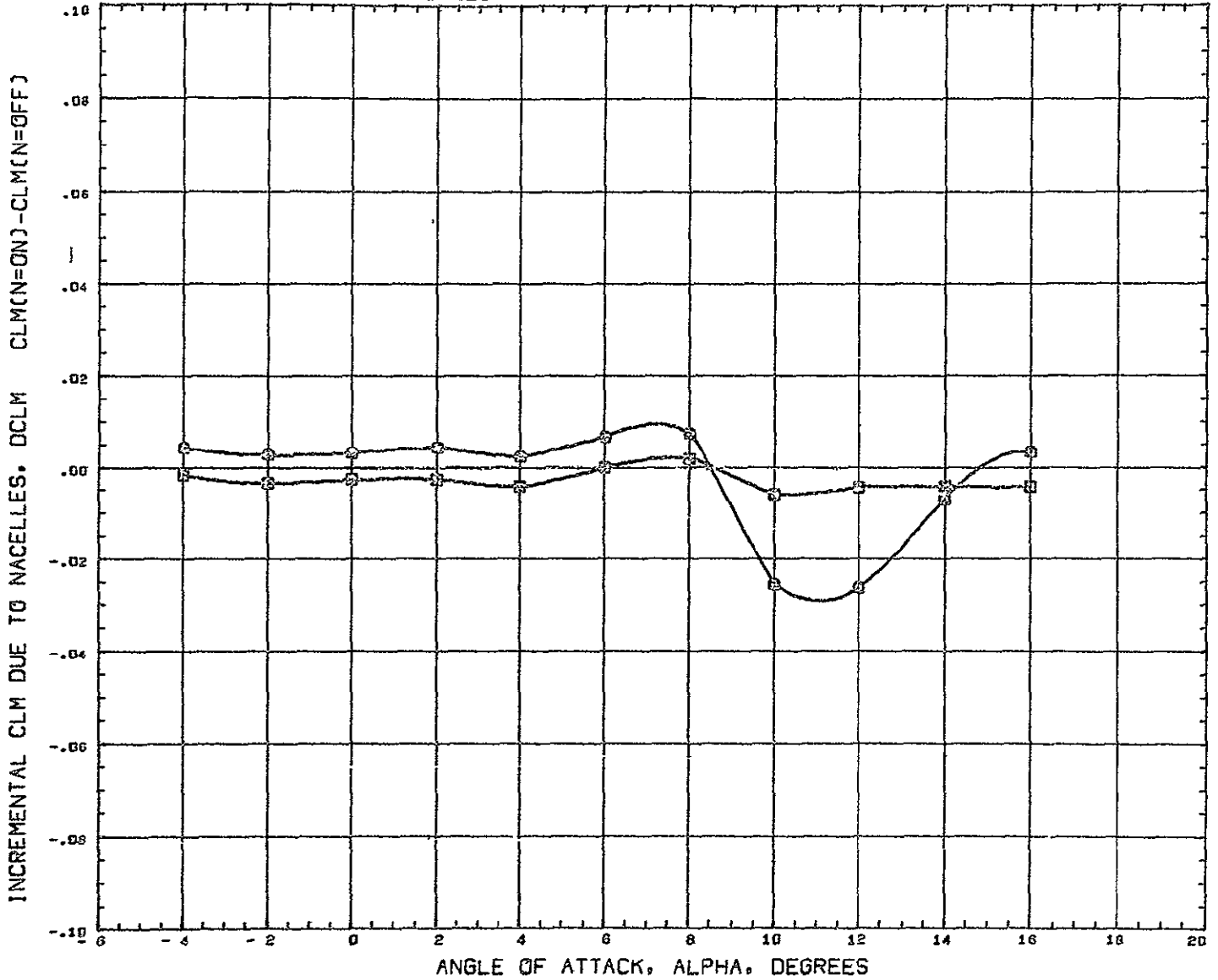
YMRP 0 0000 INCHES

ZMRP 0 3640 INCHES

SCALE 0 0076 SCALE

NACH 0.259

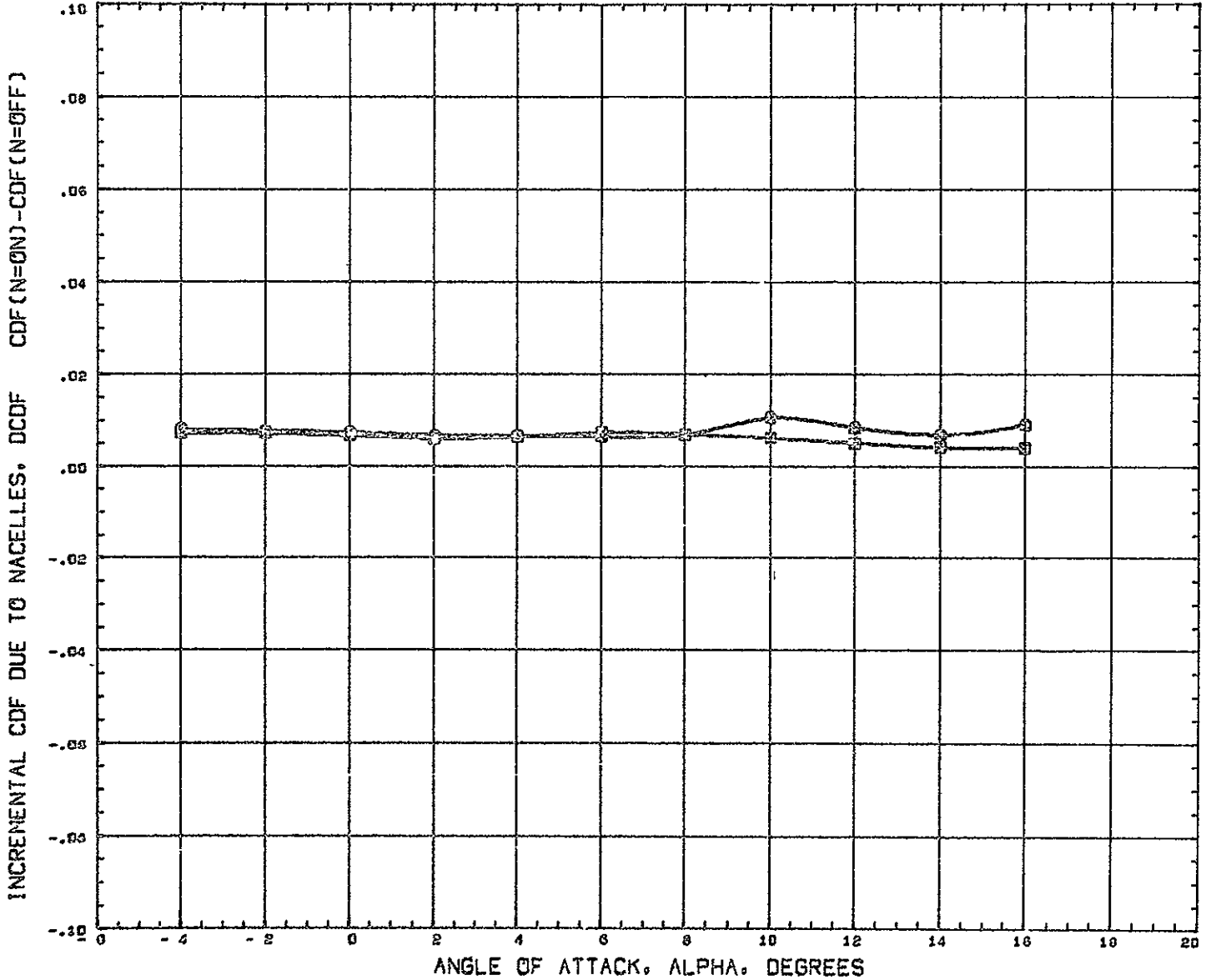
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6010)	NAAL632 SSV-STR WING B6W10H12V5N4 (N=ON-N=OFF)	BETA 5 000	REFS 0 1790 SQ FT
(BC6011)	NAAL632 SSV-STR WING B6W10H12V5N5 (N=ON-N=OFF)		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9.8400 INCHES
			YHRP 0 0000 INCHES
			ZHRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

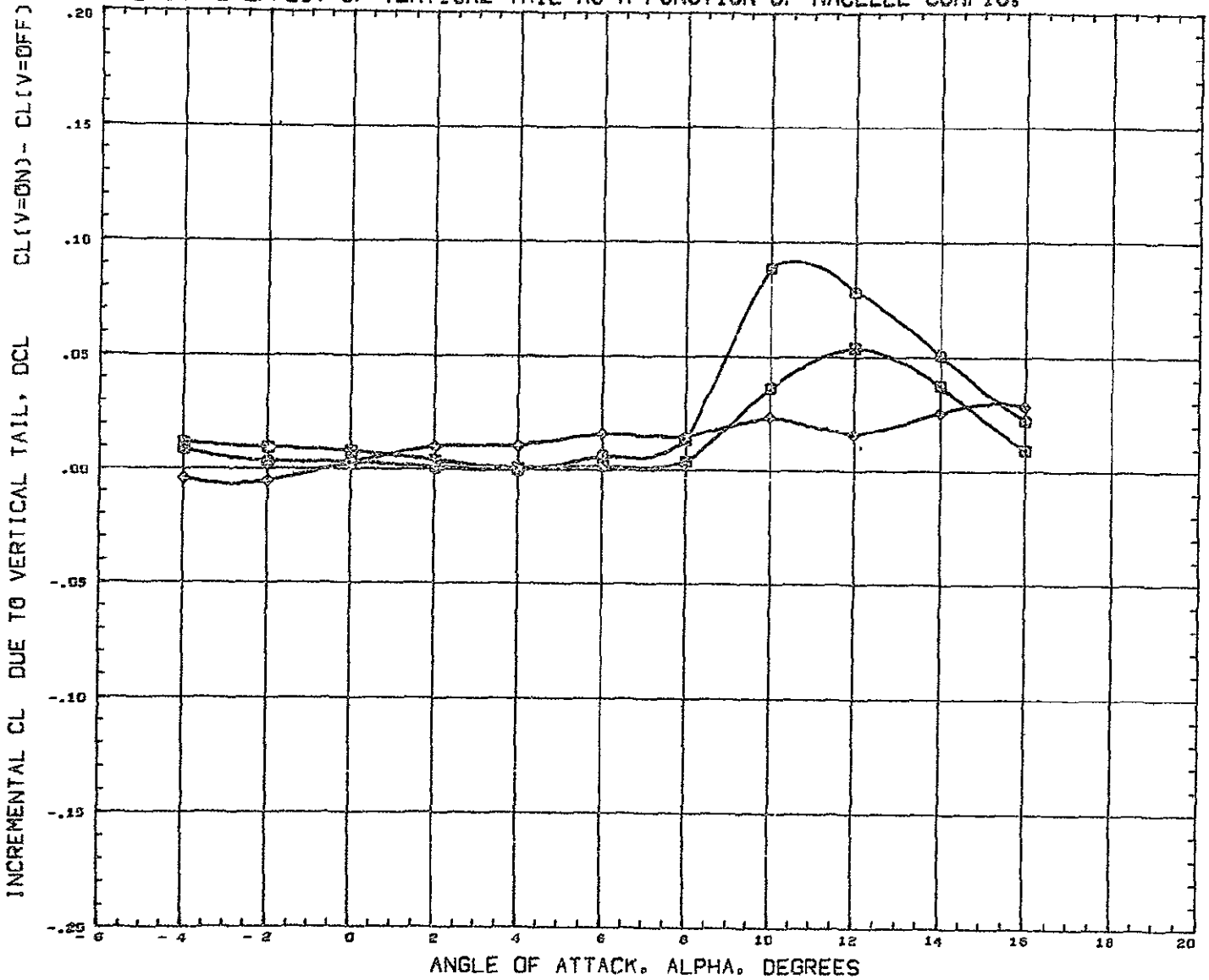
INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6010)	□ NAAL652 55V-STR WING B6H10H12V5H4 (N=ON-N=OFF)	BETA 5.000	REFS 0 1790 SQ,FT
(BC6011)	□ NAAL632 89V-STR WING B6H10H12V5H3 (N=ON-N=OFF)		REFL 15.7370 INCHES
			PEFB 11.3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

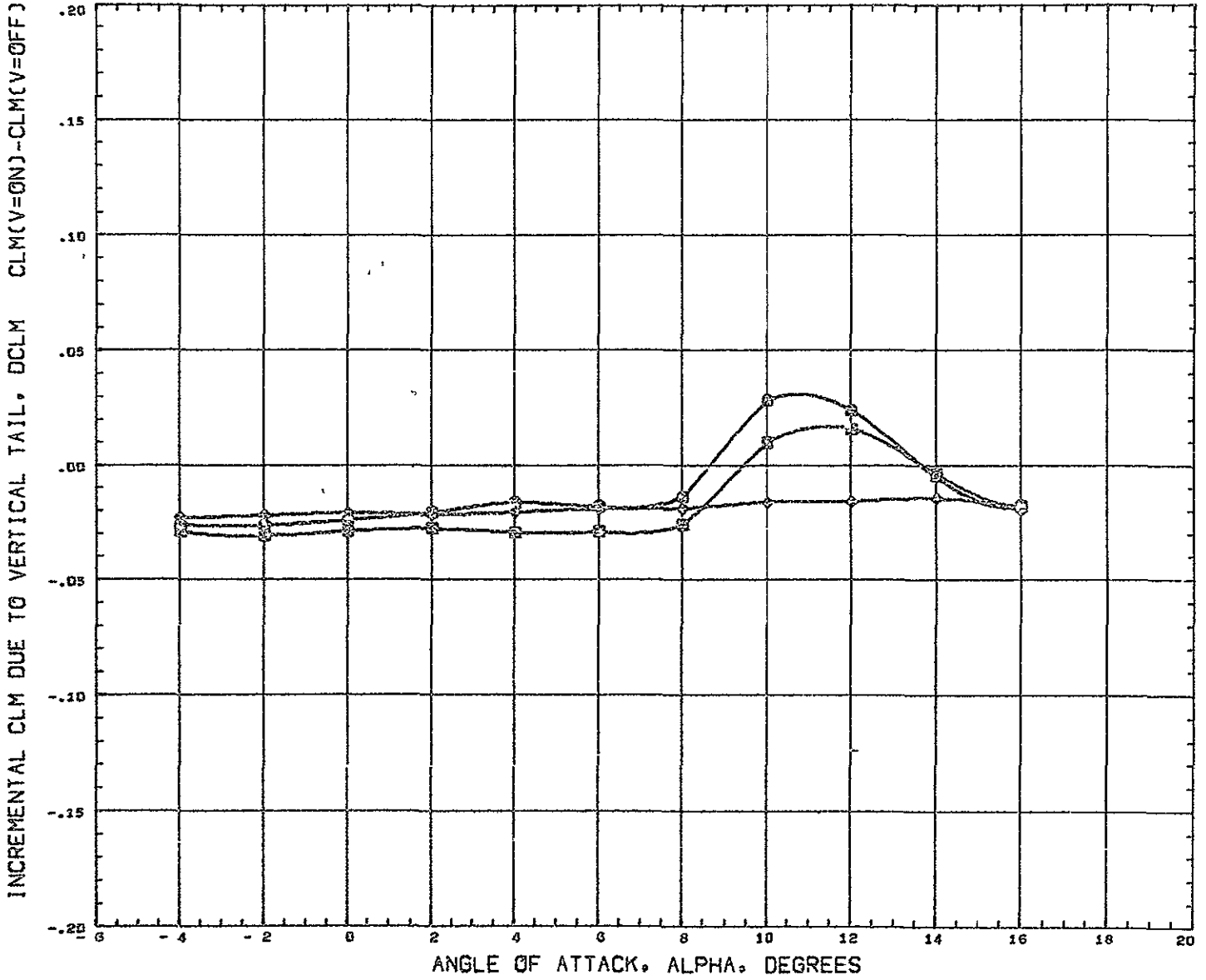
INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BCCD13)	NAAL632 SSV-STR WING B6W1DH12V5 (V=ON-V=OFF)	REFL 0 000	REFS 0 1790 SQ FT
(BCCD14)	NAAL632 SSV-STR WING B6W1DH12V5N2 (V=ON-V=OFF)		REFL 15 7370 INCHES
(BCCD15)	NAAL632 SSV-STR WING B6W1DH12V5N4 (V=ON-V=OFF)		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

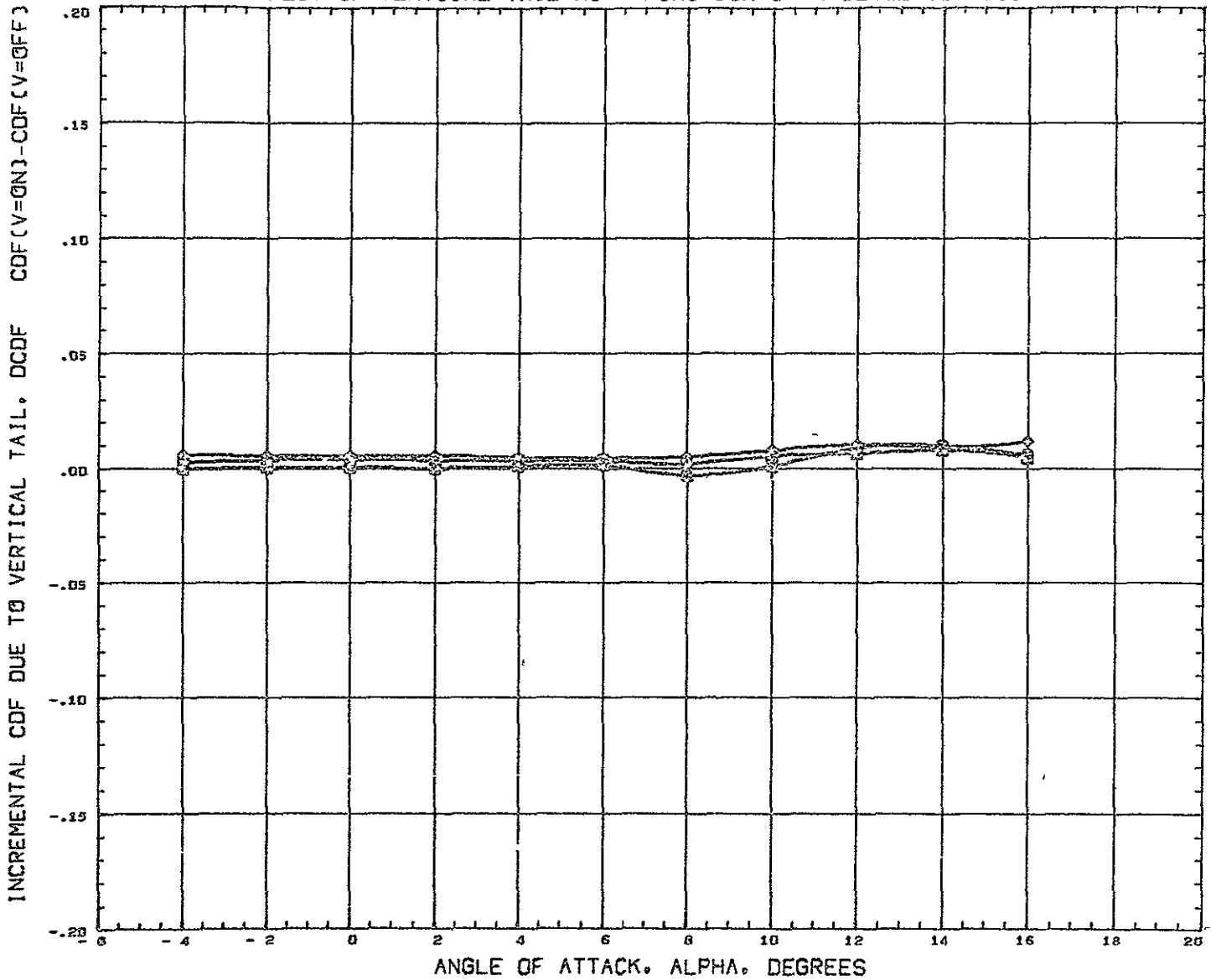
INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6013)	NAAL632 SSV-STR WING B6W1DH12V5 (V=ON-V=OFF)	BETA	0.000	REFs 0 1790 SQ FT
(BC6014)	NAAL632 SSV-STR WING B6W1DH12V5H2 (V=ON-V=OFF)			REFL 15 7370 INCHES
(BC6015)	NAAL632 SSV-STR WING B6W1DH12V5H4 (V=ON-V=OFF)			REFB 11 3390 INCHES
				XMRP 9 8400 INCHES
				YMRP 0 0000 INCHES
				ZMRP - 0 3840 INCHES
				SCALE 0 0076 SCALE

MACH 0.259

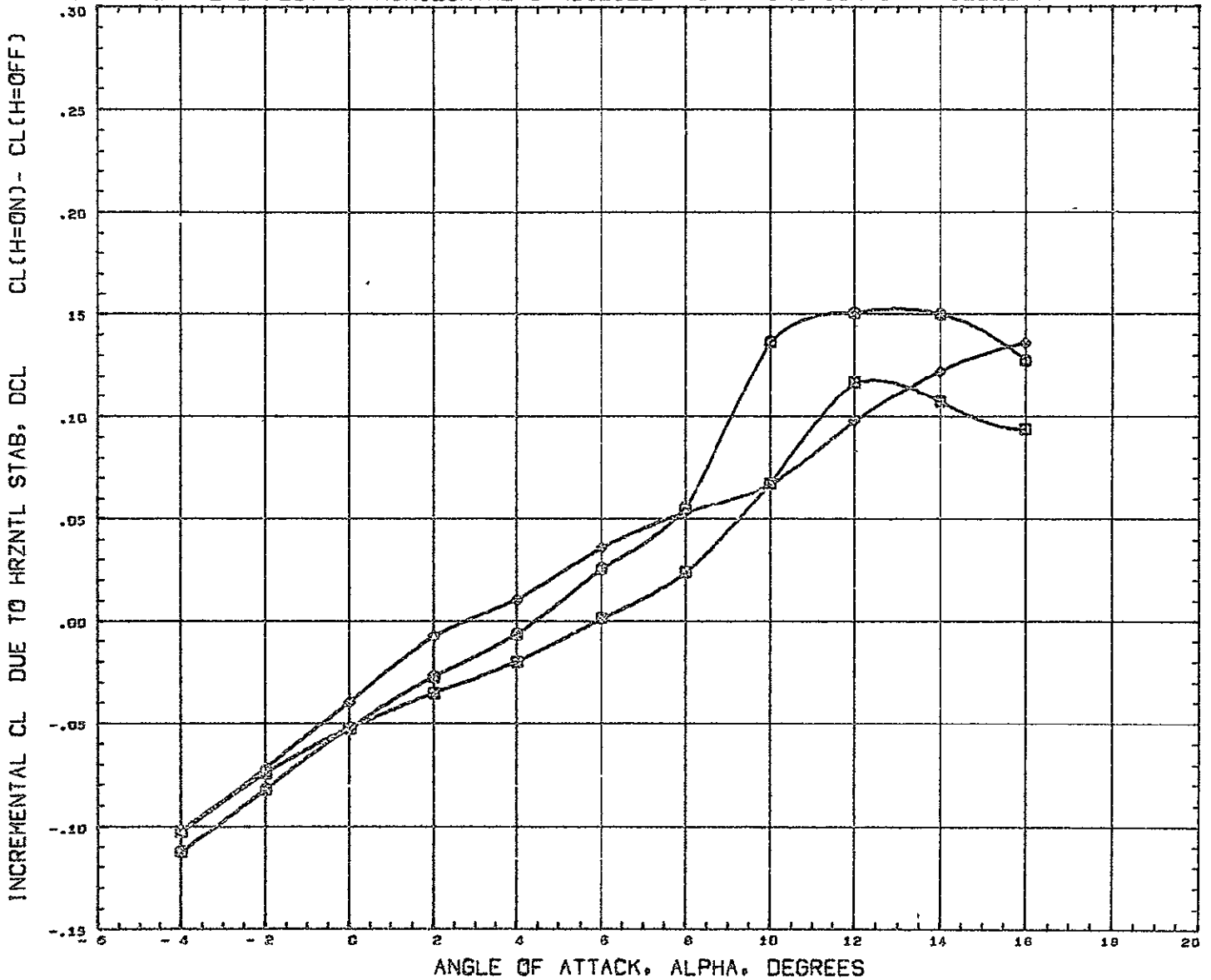
INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6D13)	MAAL632 SSV-STR WING B6W10H12V5 (V=ON-V=OFF)	BETA 0.000	REFS 0 1790 SQ FT
(BC6D14)	MAAL632 SSV-STR WING B6W10H12V5H2 (V=ON-V=OFF)		REFL 15 7370 INCHES
(BC6D15)	MAAL632 SSV-STR WING B6W10H12V5H4 (V=ON-V=OFF)		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			YHRF 0 0000 INCHES
			ZHRF 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

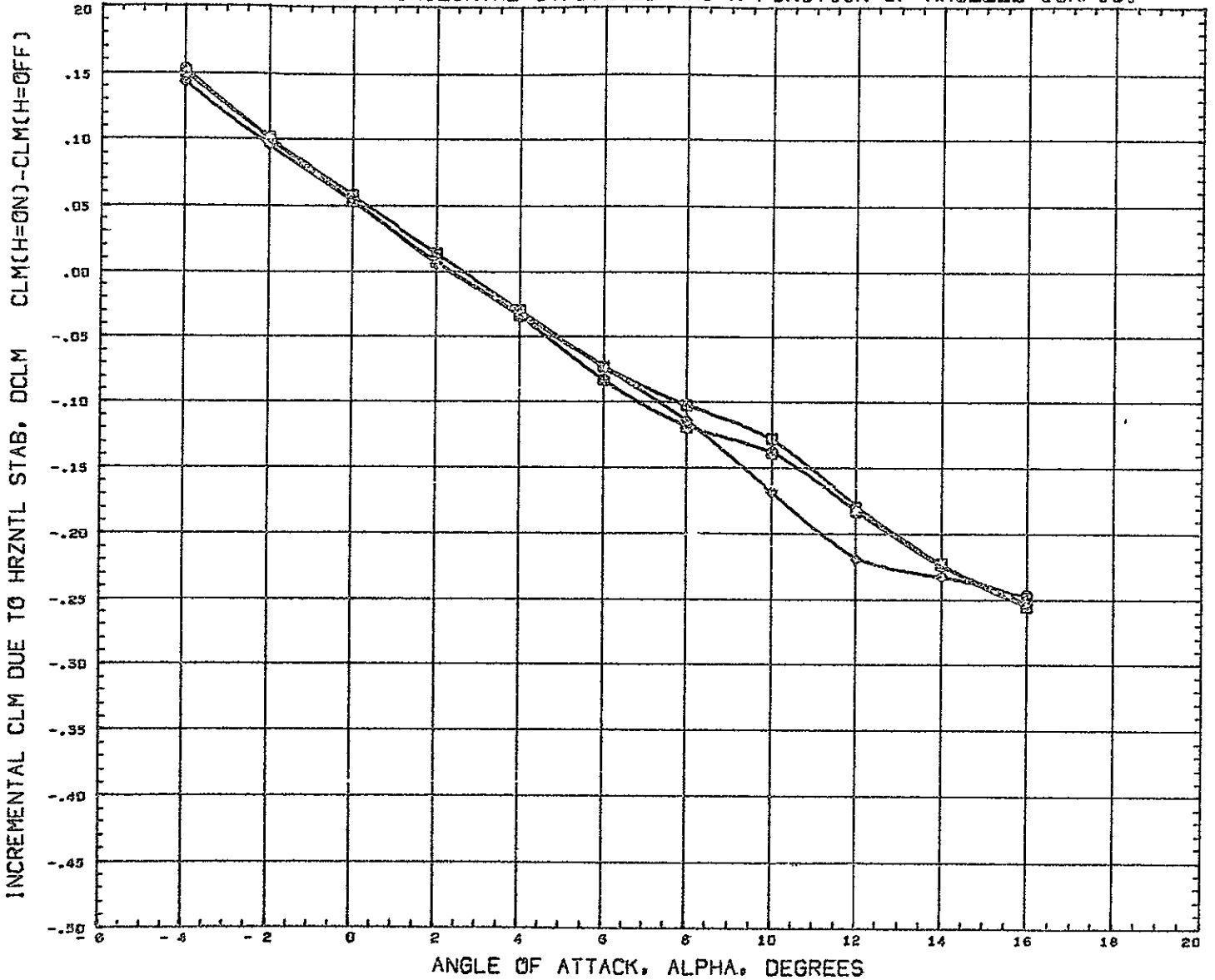


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6016)	NAAL632 SSV-STR WING B6W10H12V5 (H=ON-H=OFF)	BETA 0 000	REFS 0 1790 SQ FT
(BC6017)	NAAL632 SSV-STR WING B6W10H12V542 (H=ON-H=OFF)		REFL 15 7370 INCHES
(BC6018)	NAAL632 SSV-STR WING B6W10H12V5M4 (H=ON-H=OFF)		REFB 11 3390 INCHES
			XMPF 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

100

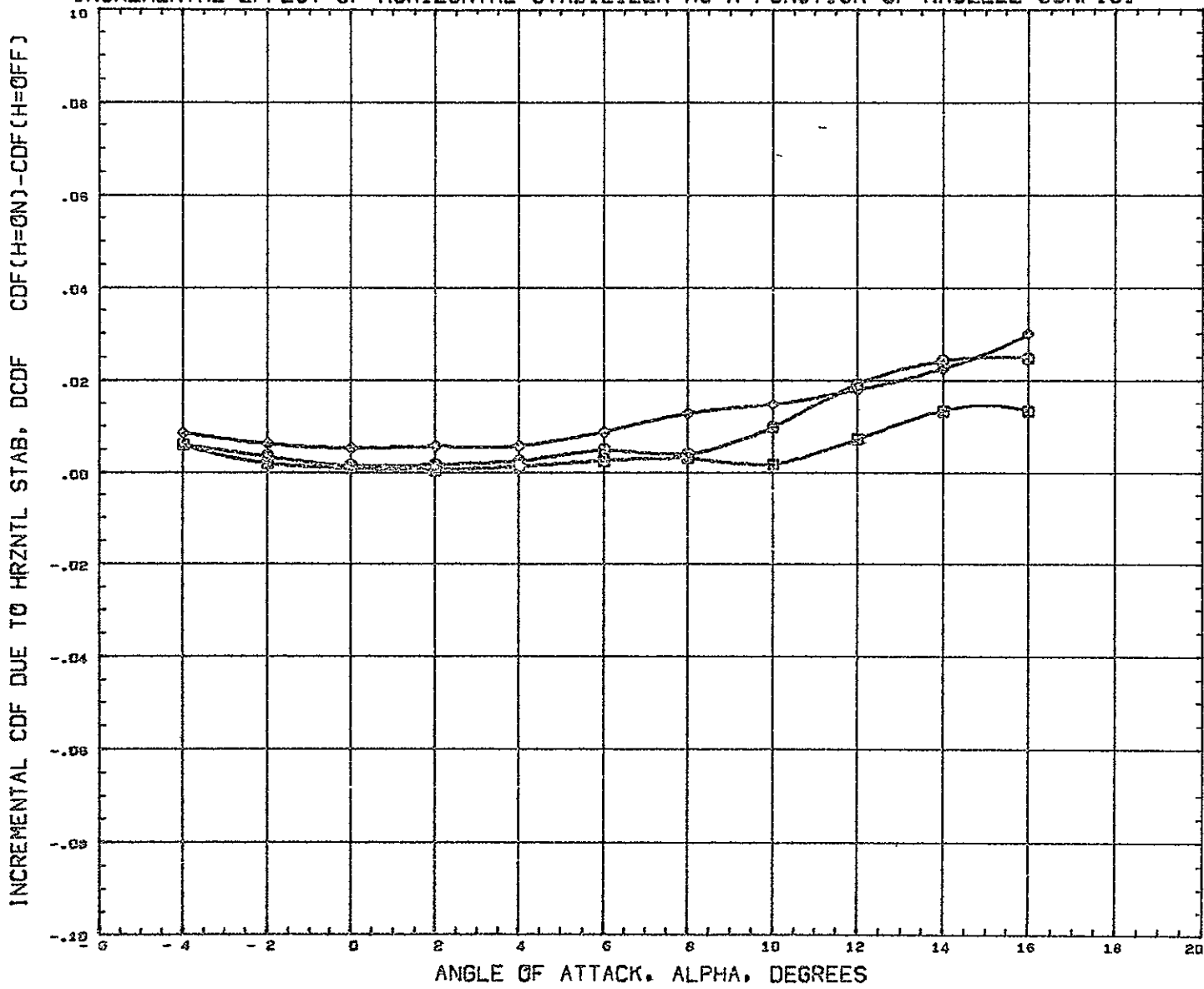
INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	PARAMETRIC VALUES	REFERENCE INFORMATION
(BCC016)	HAAL632 SSV-STR WING B6W10H12V5 (H=ON-H=OFF)	0	0 000	REFS 0 1790 SQ FT
(BCC017)	HAAL632 SSV-STR WING B6W10H12V5N2 (H=ON-H=OFF)			REFL 15 7370 INCHES
(BCC018)	HAAL632 SSV-STR WING B6W10H12V5N4 (H=ON-H=OFF)			REFB 11 3390 INCHES
				XMRP 9 8400 INCHES
				YMRP 0 0000 INCHES
				ZMRP - 0 3840 INCHES
				SCALE 0 0076 SCALE

MACH 0.259

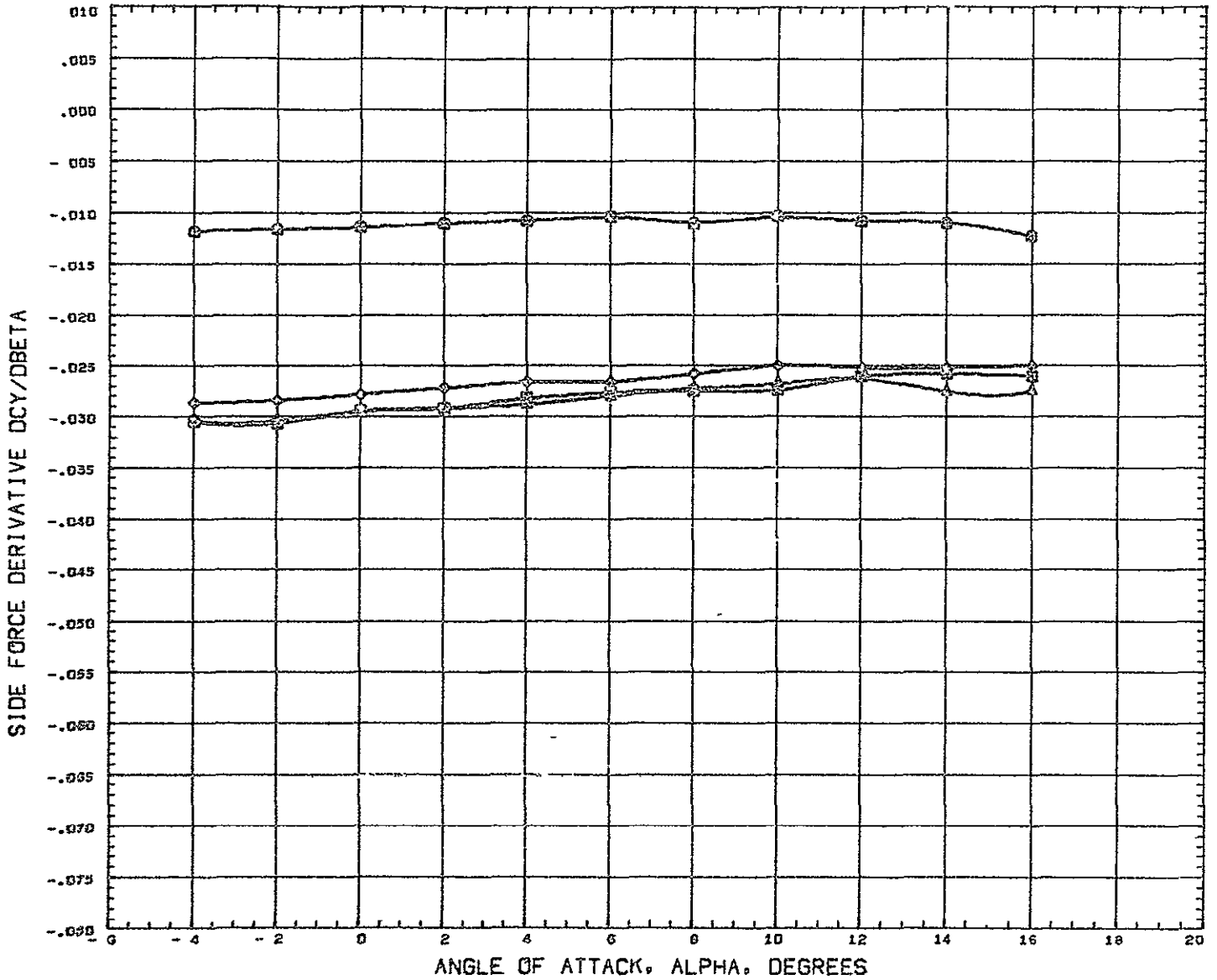
INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6D16)	NAAL632 SSV-STR WING B6W10H12V5 (H=ON-R=OFF)	BETA 0 000	REFS 0 1790 SQ FT.
(BC6D17)	NAAL632 SSV-STR WING B6W10H12V5N2 (H=ON-Y=OFF)		REFL 15 7370 INCHES
(BC6D18)	NAAL632 SSV-STR WING B6W10H12V5N4 (H=ON-H=OFF)		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YHRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0 259

COMPONENT BUILD-UP

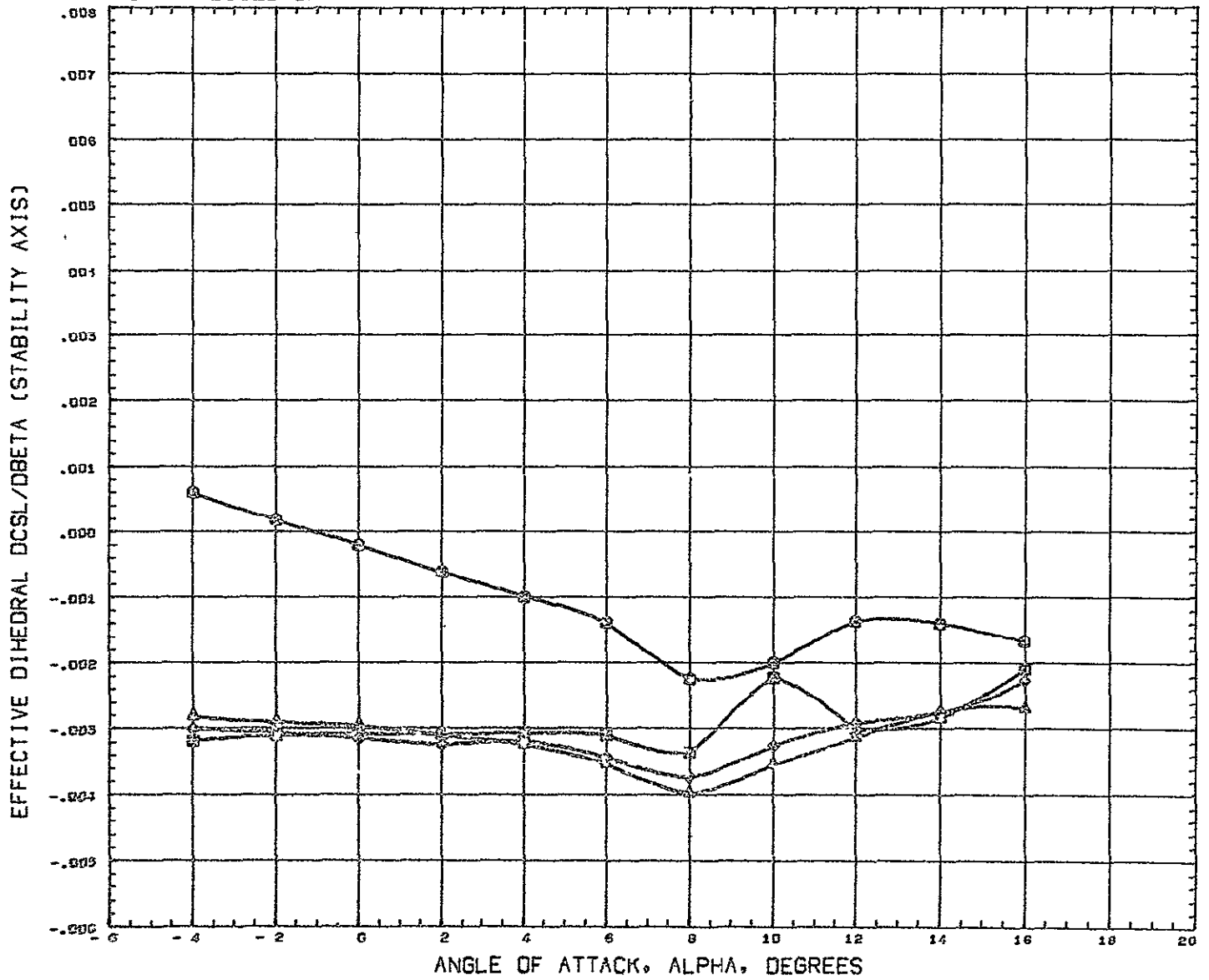


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6019)	HAAL632 SSV-STR WING B6W10H12
(BC6020)	HAAL632 SSV-STR WING B6W10V5
(BC6021)	HAAL632 SSV-STR WING B6W10H12V5
(BC6022)	HAAL632 SSV-STR WING B6W10H12V5N2

MACH 0.259

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

COMPONENT BUILD-UP

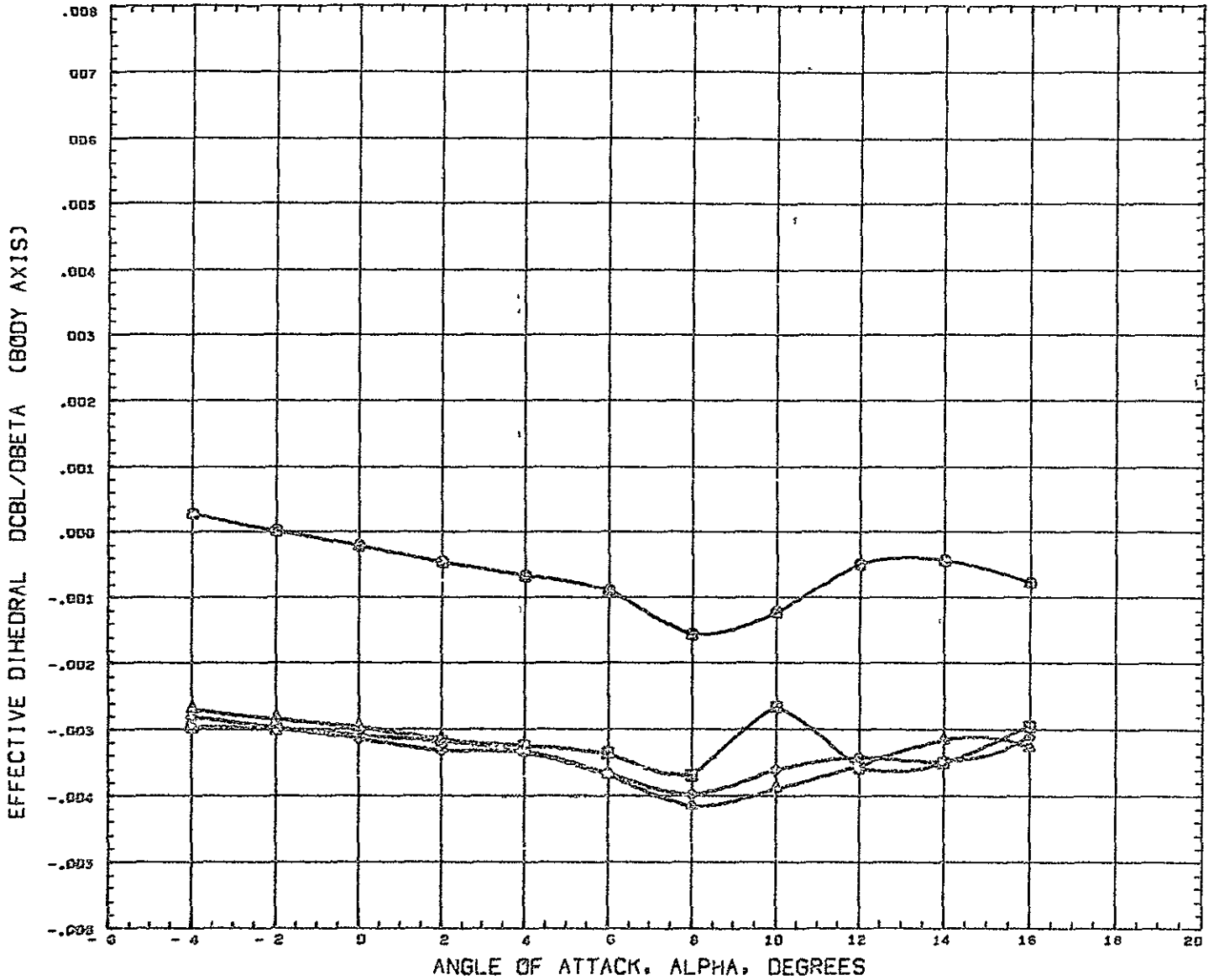


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6019)	HAAL632 SSV-STR WING B6W10412
(BC6020)	HAAL632 SSV-STR WING B6W10V5
(BC6021)	HAAL632 SSV-STR WING B6W10412V5
(BC6022)	HAAL632 SSV-STR WING B6V10H12V5-H2

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

NACH D.259

COMPONENT BUILD-UP

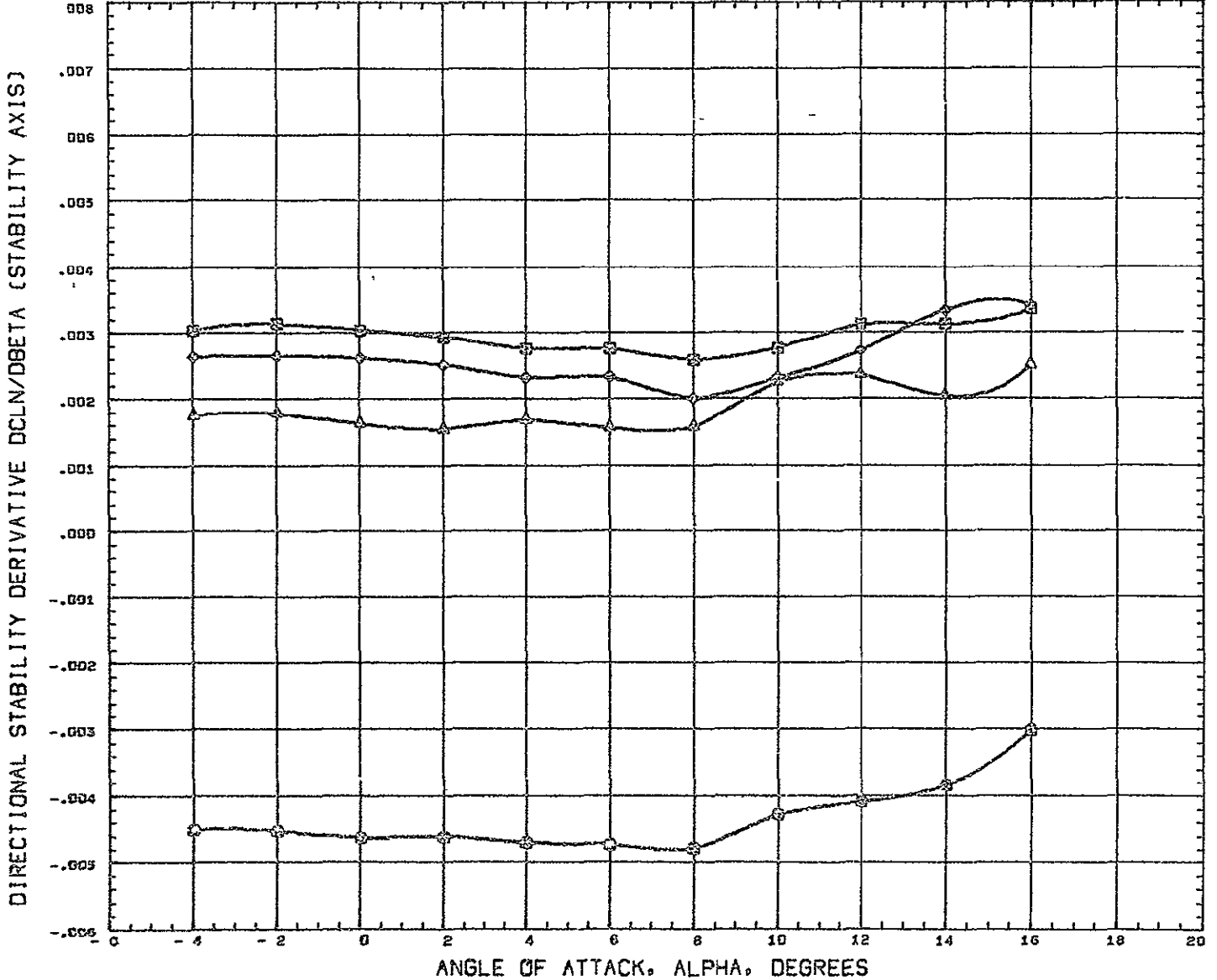


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6019)	MAAL632 SSV-STR WING B6W10H12
(BC6020)	MAAL632 SSV-STR WING B6W10V5
(BC6021)	MAAL632 SSV-STR WING B6W10H12V5
(BC6022)	MAAL632 SSV-STR WING B6W10H12V5N2

MACH 0.259

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

COMPONENT BUILD-UP



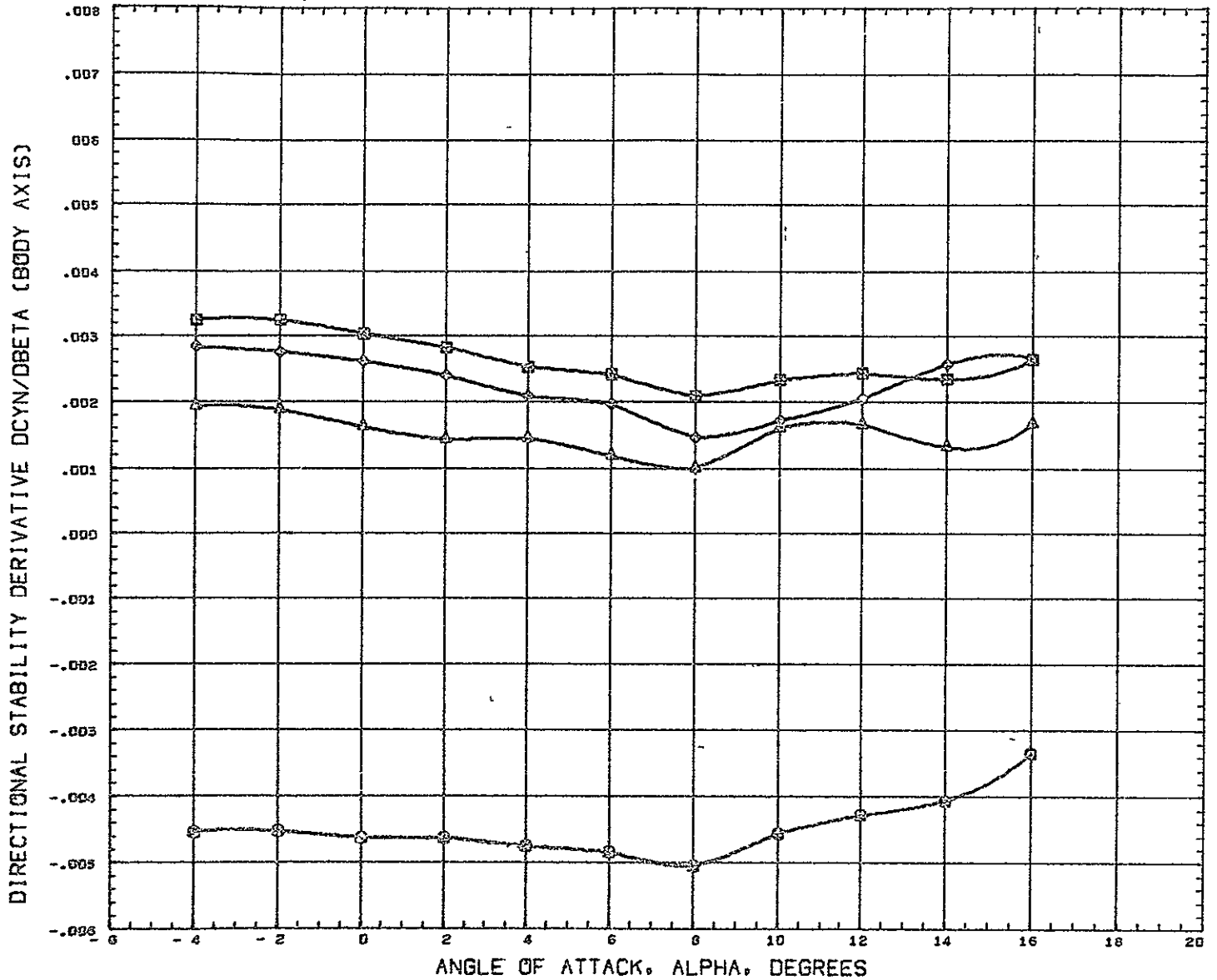
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6019)	NAAL632 SSV-STR WING B6W10H12
(BC6020)	NAAL632 SSV-STR WING B6W10V5
(BC6021)	NAAL632 SSV-STR WING B6W10H12V5
(BC6022)	NAAL632 SSV-STR WING B6W10H12V5N2

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRP	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

43532

COMPONENT BUILD-UP



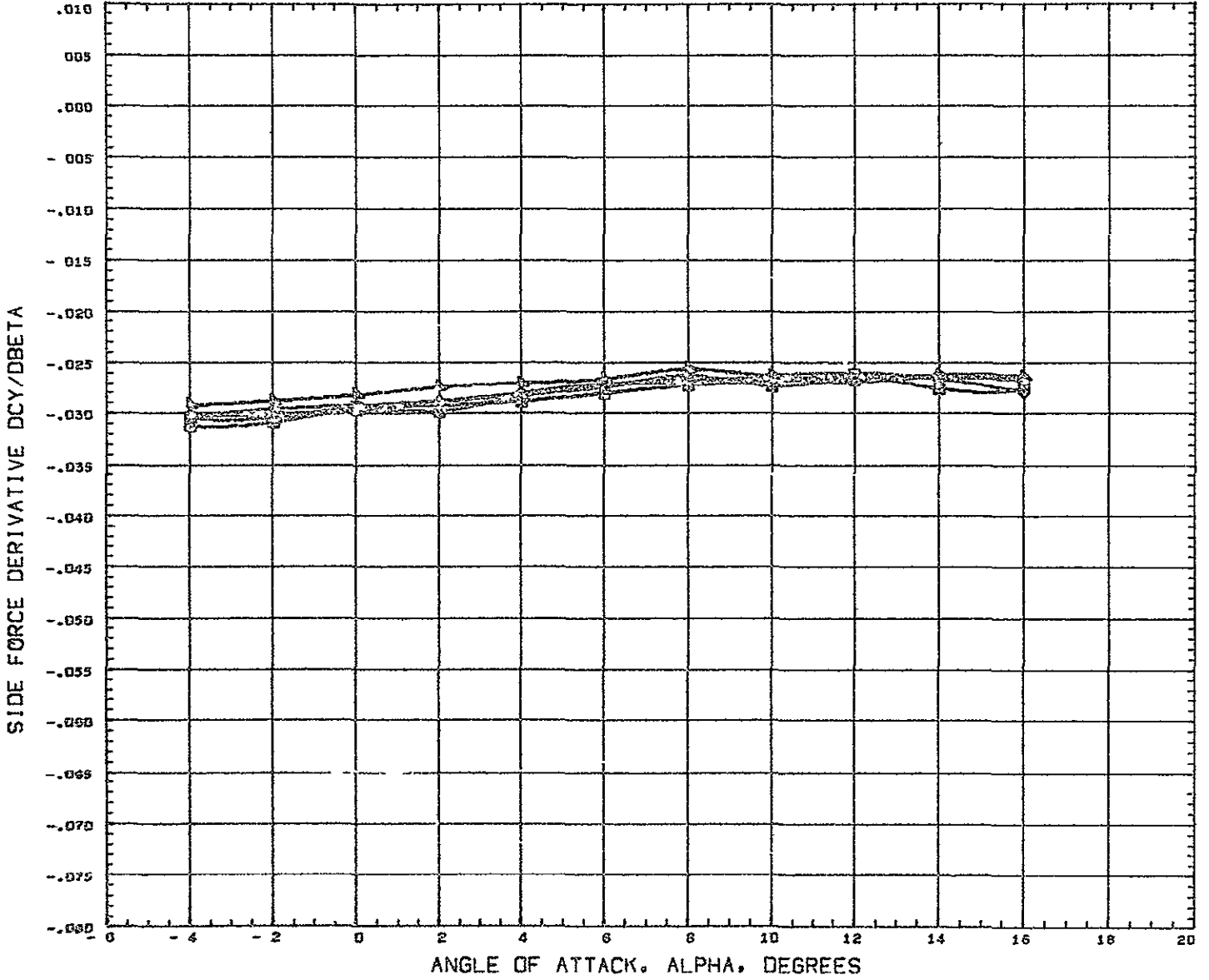
DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(BC6019)	□	NAAL632 SSV-STR WING B6W12V5H2
(BC6020)	◇	NAAL632 SSV-STR WING B6W12V5
(BC6021)	○	NAAL632 SSV-STP WING B6W10H12V5
(BC6022)	△	NAAL632 SSV-STP WING B6W10H12V5H2

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHPF	9	8400 INCHES
YHRP	0	0000 INCHES
ZHRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

SECRET

COMPONENT BUILD-UP

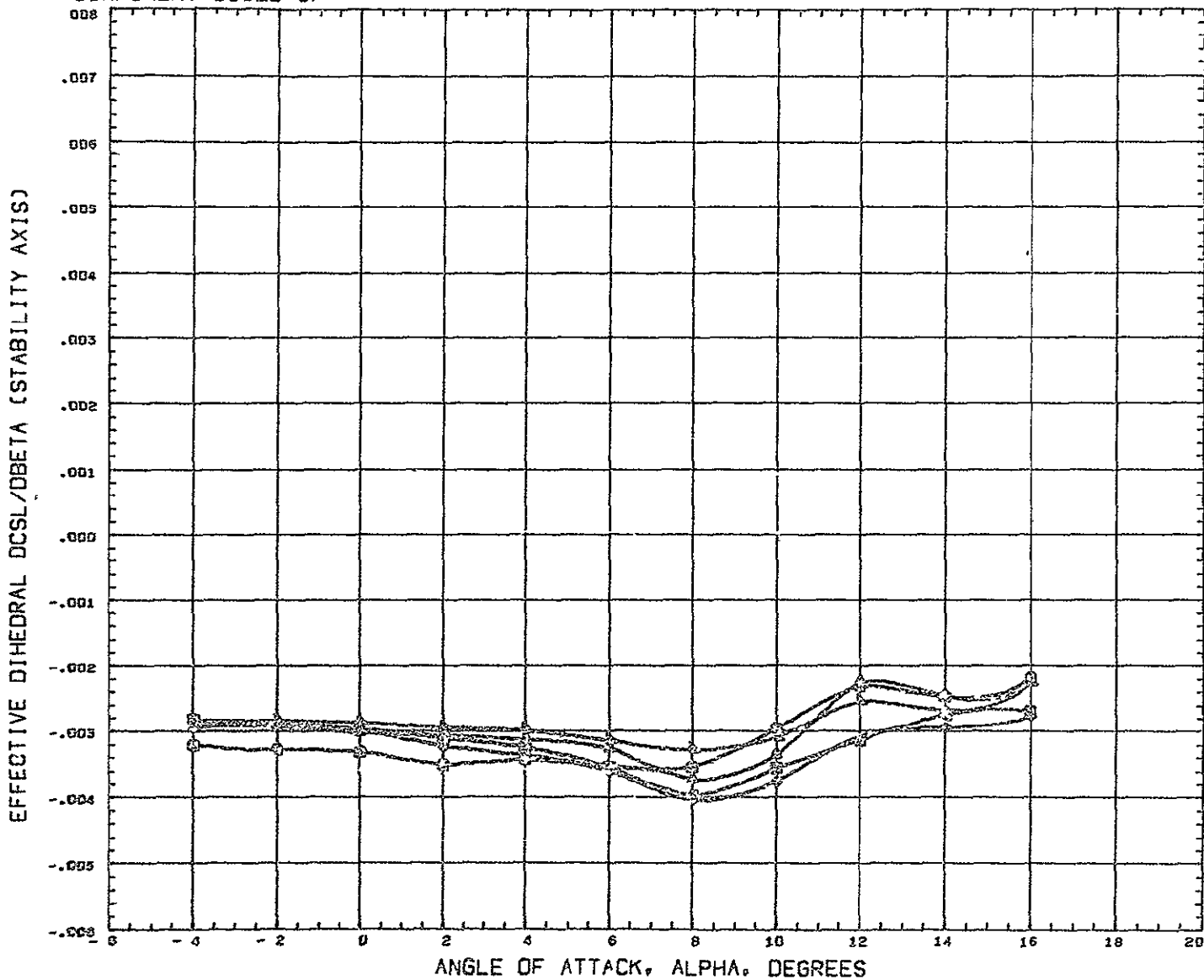


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BCG023)	NAAL632 SSV-STR WING B6W10H12V5M1
(BCG024)	NAAL632 SSV-STR WING B6W10H12V5H2
(BCG025)	NAAL632 SSV-STR WING B6W10H12V5N3
(BCG026)	NAAL632 SSV-STR WING B6W10H12V5N4
(BCG027)	NAAL632 SSV-STR WING B6W10H12V5H5

REFERENCE INFORMATION		
REFS	0 1790	30 FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XNRP	9 8400	INCHES
YNRP	0 0000	INCHES
ZNRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0 259

COMPONENT BUILD-UP

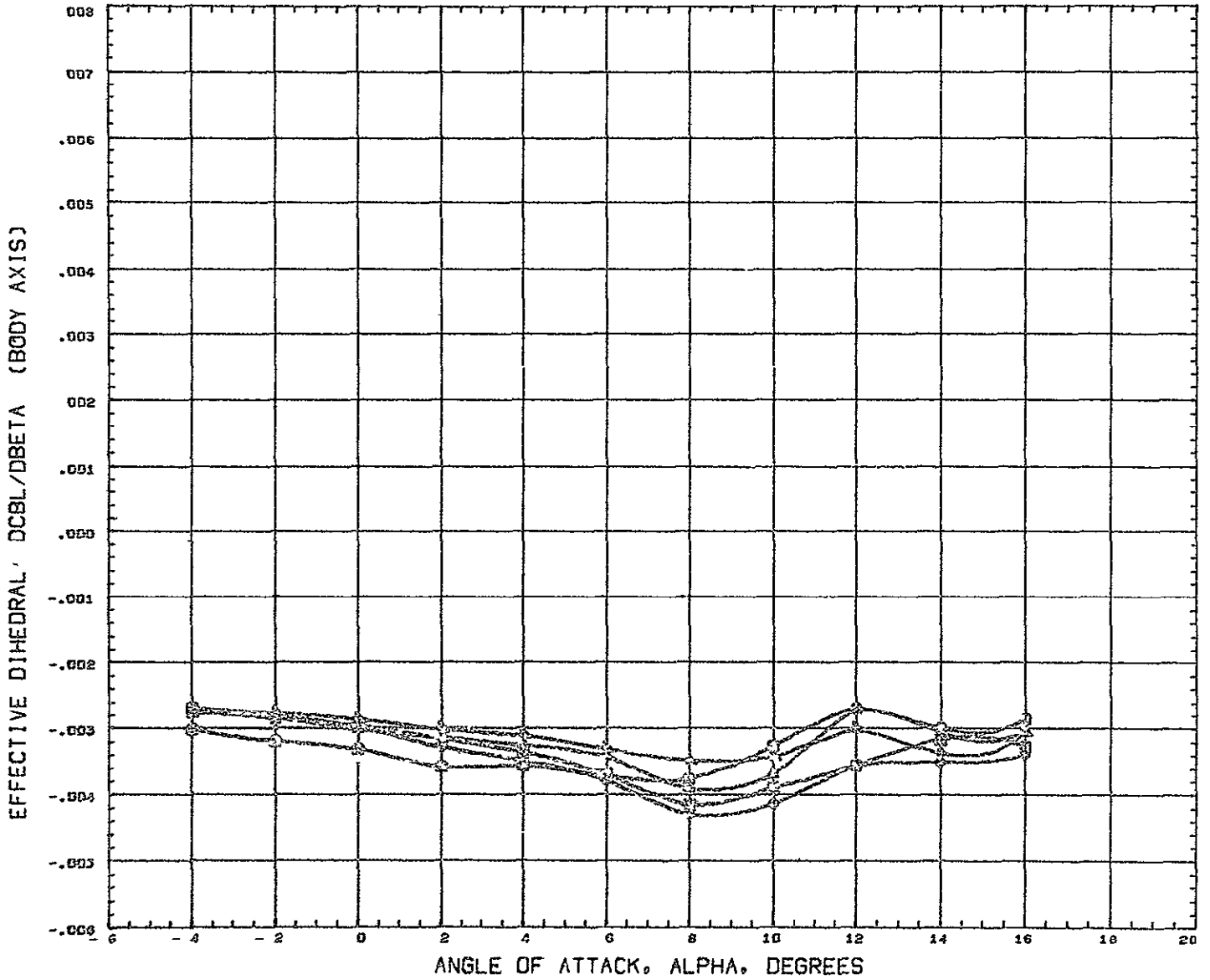


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6023)	NAAL632 SSV-STR WING B6W10H12V5N1
(BC6024)	NAAL632 SSV-STR WING B6W10H12V5N2
(BC6025)	NAAL632 SSV-STR WING B6W10H12V5N3
(BC6026)	NAAL632 SSV-STR WING B6W10H12V5N4
(BC6027)	NAAL632 SSV-STR WING B6W10H12V5N5

REFERENCE INFORMATION	
REFS	0 1790 SQ FT
REFL	15 7370 INCHES
REFB	11 3390 INCHES
XMRP	9 8400 INCHES
YMRP	0 0000 INCHES
ZMRP	0 3840 INCHES
SCALE	0 0076 SCALE

HACH 0.259

COMPONENT BUILD-UP

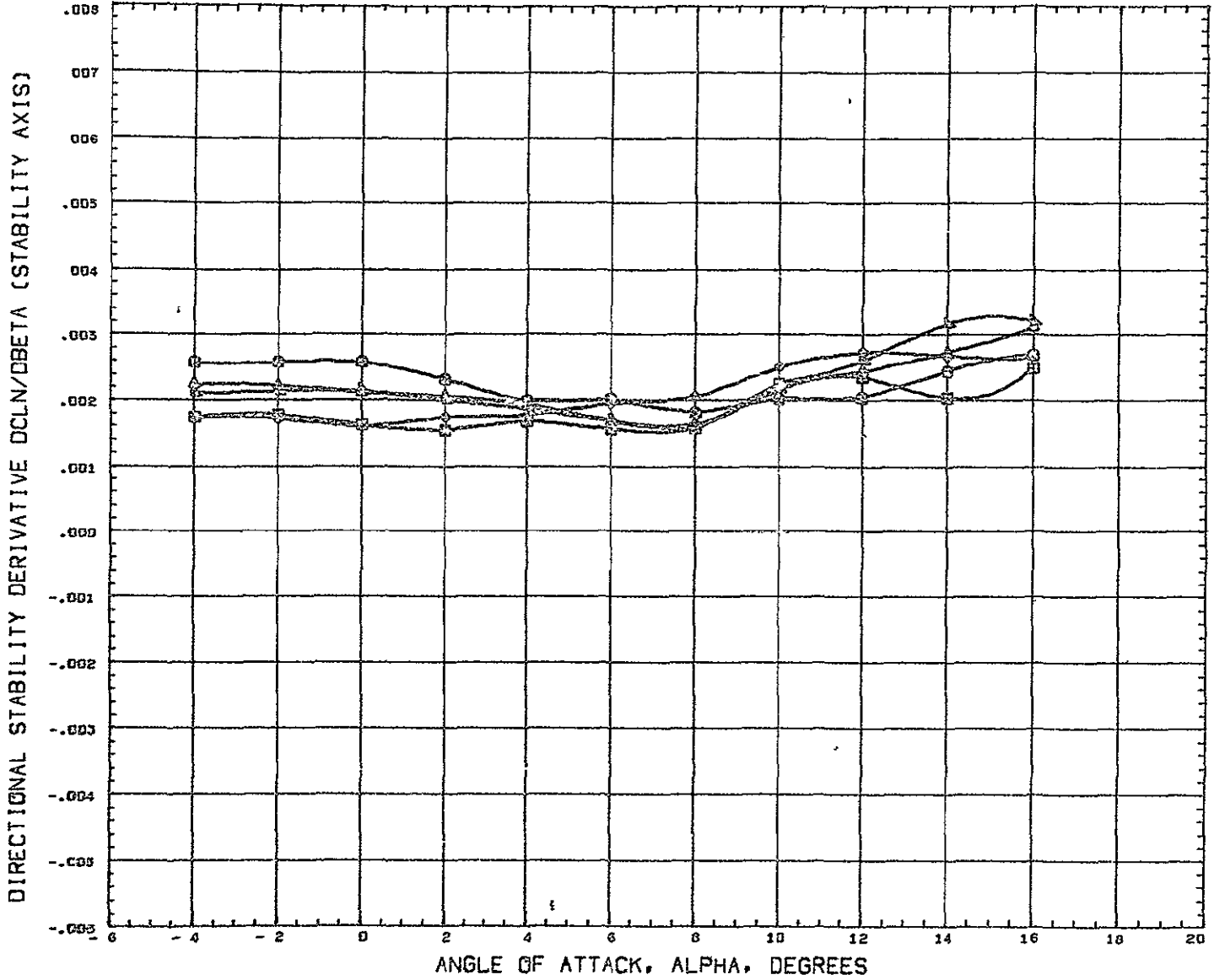


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BCG023)	NAAL632 SSV-STR WING B6W10H12V5N1
(BCG024)	NAAL632 SSV-STR WING B6W10H12V5N2
(BCG025)	NAAL632 SSV-STR WING B6W10H12V5N3
(BCG026)	NAAL632 SSV-STR WING B6W10H12V5N4
(BCG027)	NAAL632 SSV-STR WING B6W10H12V5N5

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD-UP

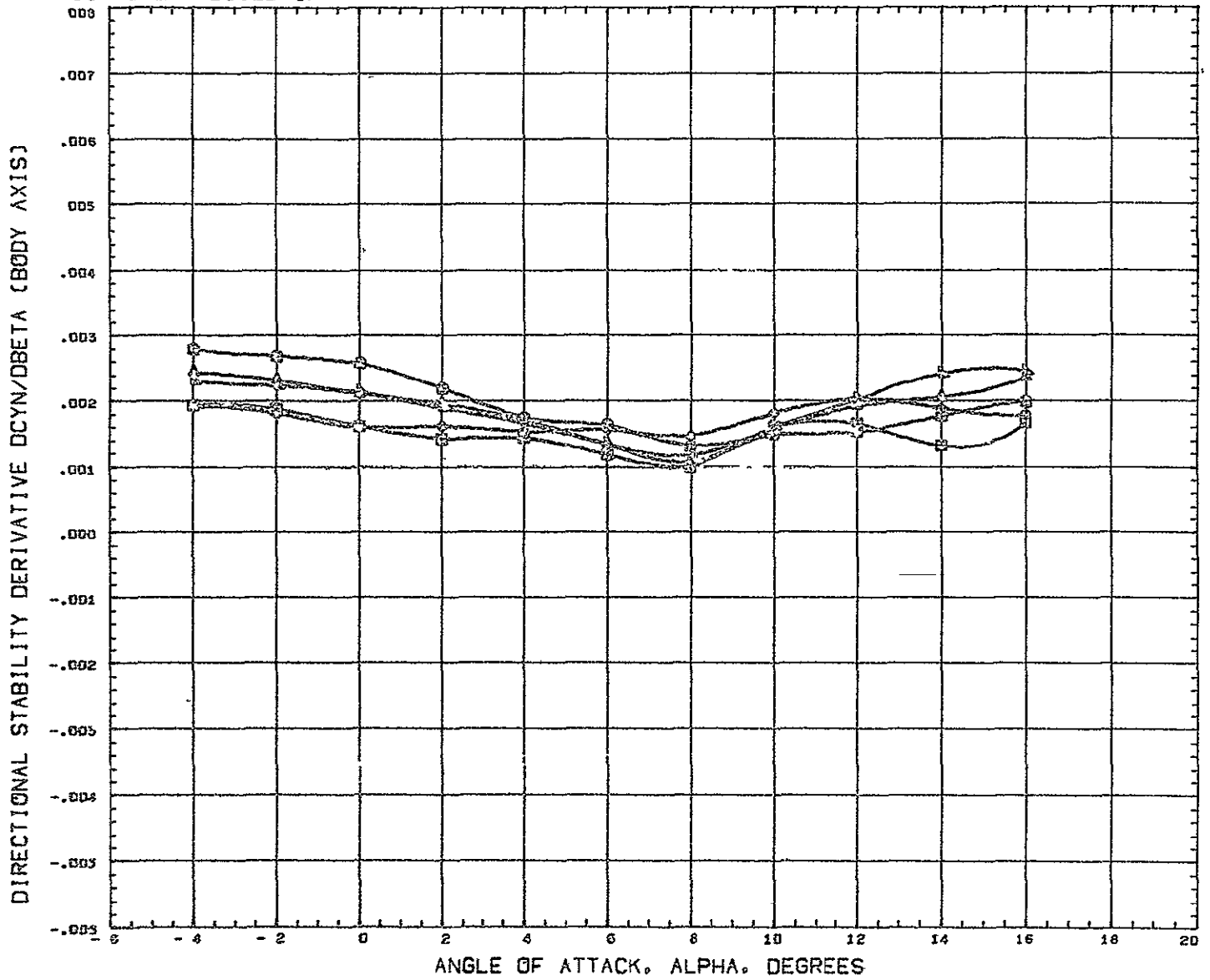


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BCG023)	NAAL032 SSV-STR WING B6W.D12V5N1
(BCG024)	NAAL032 SSV-STR WING B6WIDH12V5N2
(BCG025)	NAAL032 SSV-STR WING B6WIDH12V5N3
(BCG026)	NAAL032 SSV-STR WING B6WIDH12V5N4
(BCG027)	NAAL032 SSV-STR WING B6WIDH12V5N5

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

COMPONENT BUILD-UP

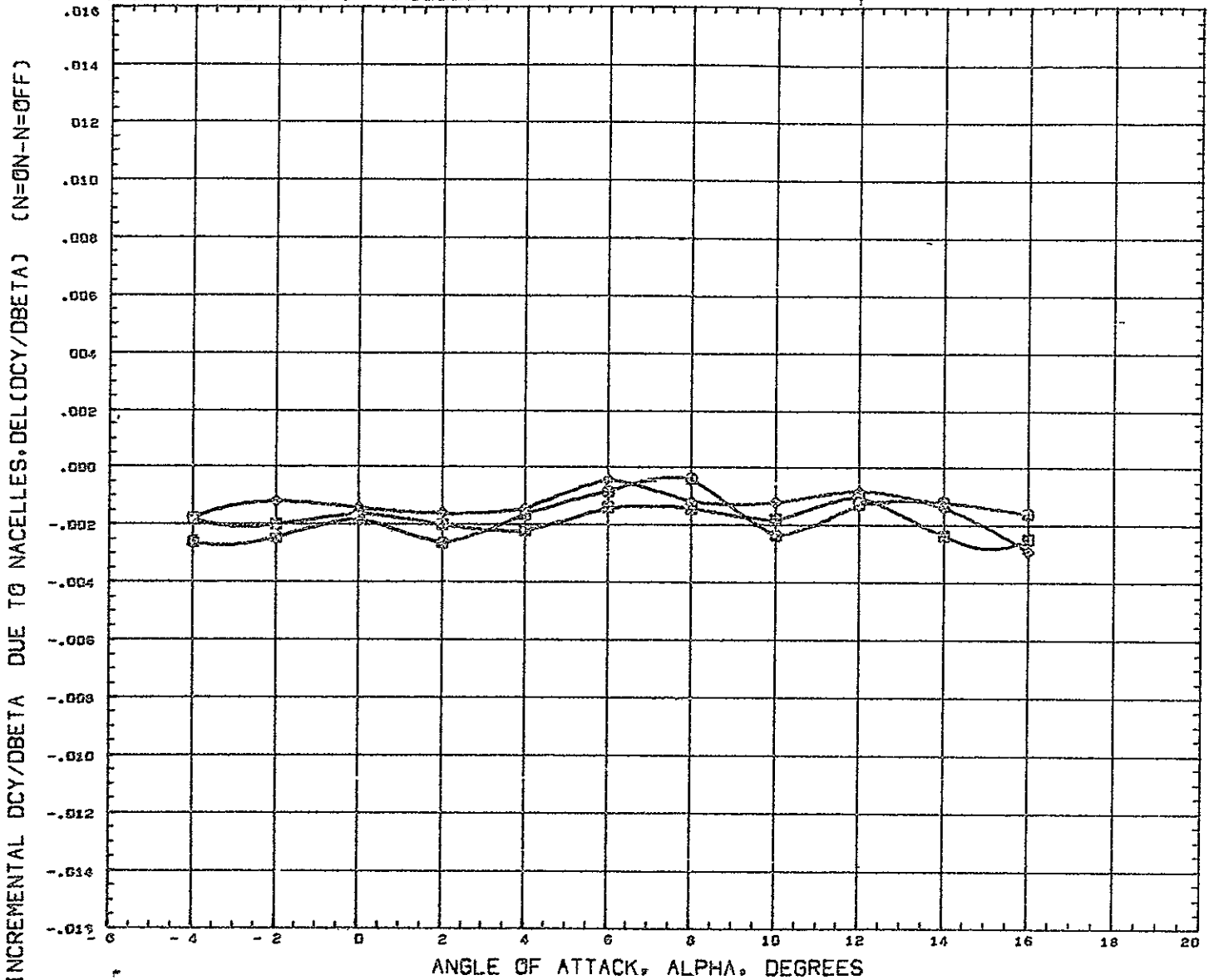


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BCG023)	NAAL632 SSV-STR WING B6W10H12V5N1
(BCG024)	NAAL632 SSV-STR WING B6W10H12V5N2
(BCG025)	NAAL632 SSV-STR WING B6W10H12V5N3
(BCG026)	NAAL632 SSV-STR WING B6W10H12V5N4
(BCG027)	NAAL632 SSV-STR WING B6W10H12V5N5

MACH 0.259

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3395 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0.0076	SCALE

INCREMENTAL EFFECT OF NACELLES

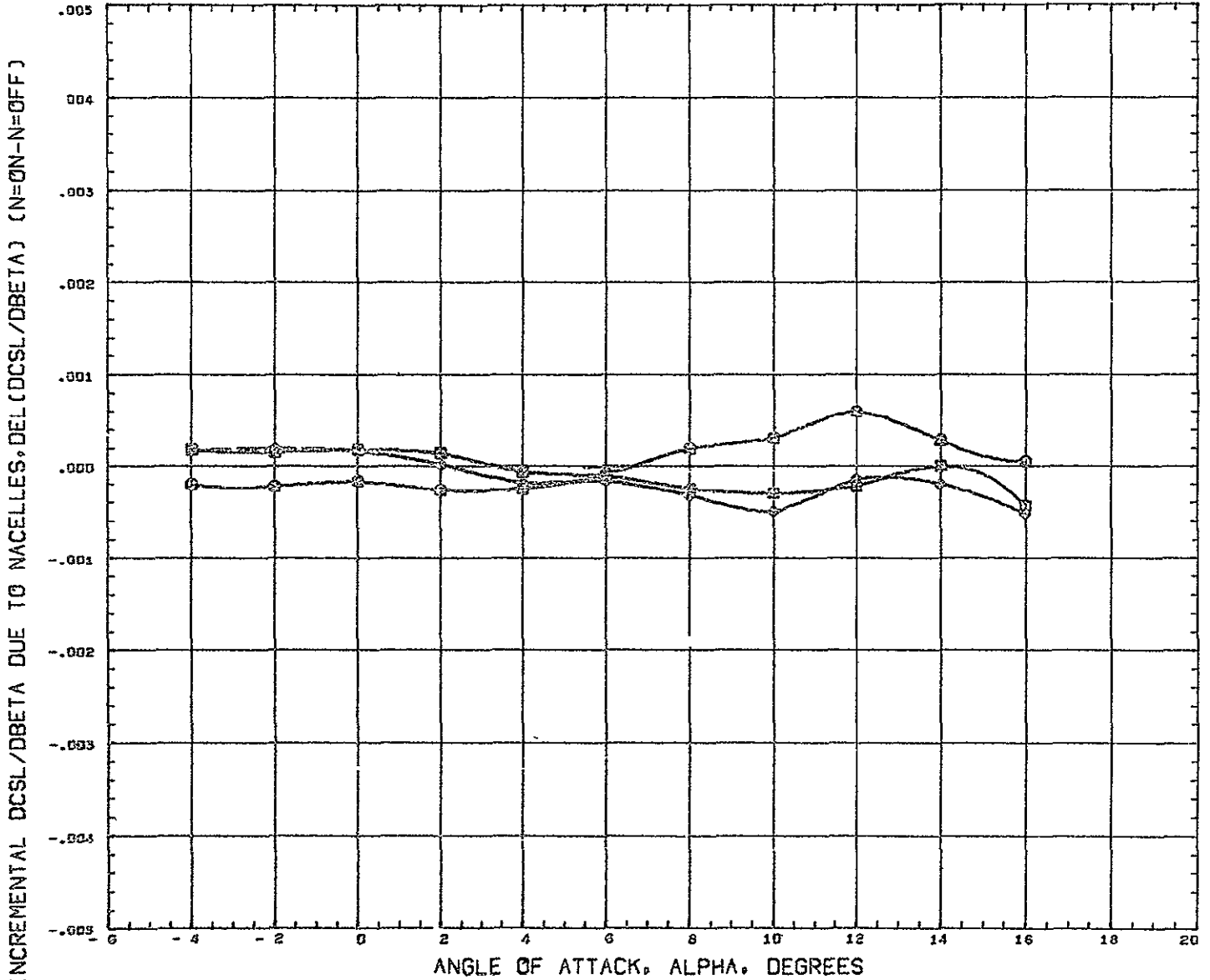


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(8C6029)	NAAL632 SSV-STR WING B6W10H12V5N1 (N=ON-N=OFF)
(8C6029)	NAAL632 SSV-STR WING B6W10H12V5N2 (N=ON-N=OFF)
(8C6030)	NAAL632 SSV-STR WING B6W10H12V5N3 (N=ON-N=OFF)

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF NACELLES

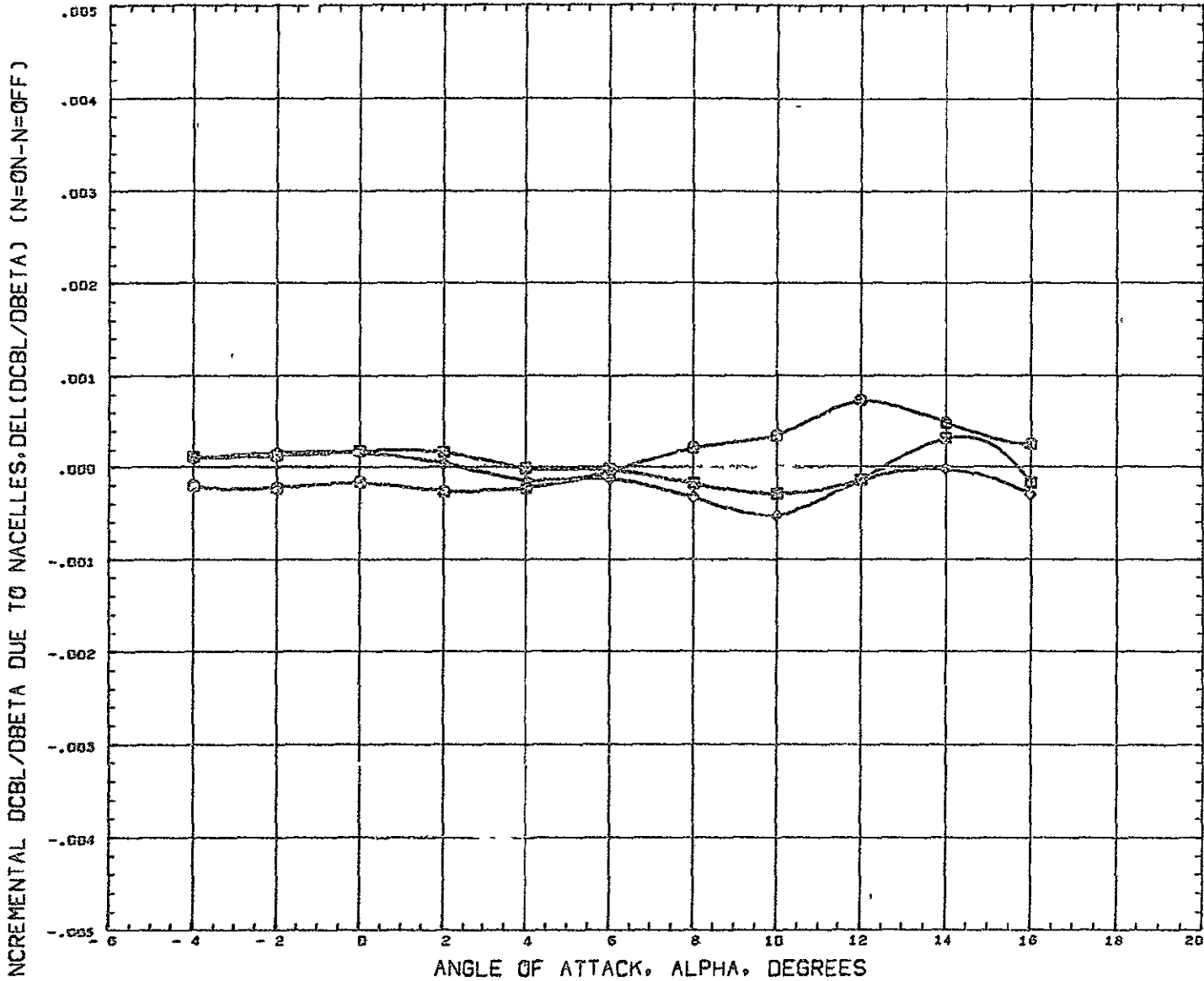


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6028)	□ NAAL632 SSV-STR WING B6W1DH12V5N1 (N=ON-N=OFF)
(BC6029)	◇ NAAL632 SSV-STR WING B6W1DH12V5N2 (N=ON-N=OFF)
(BC6030)	○ NAAL632 SSV-STR WING B6W1DH12V5N3 (N=ON-N=OFF)

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF NACELLES

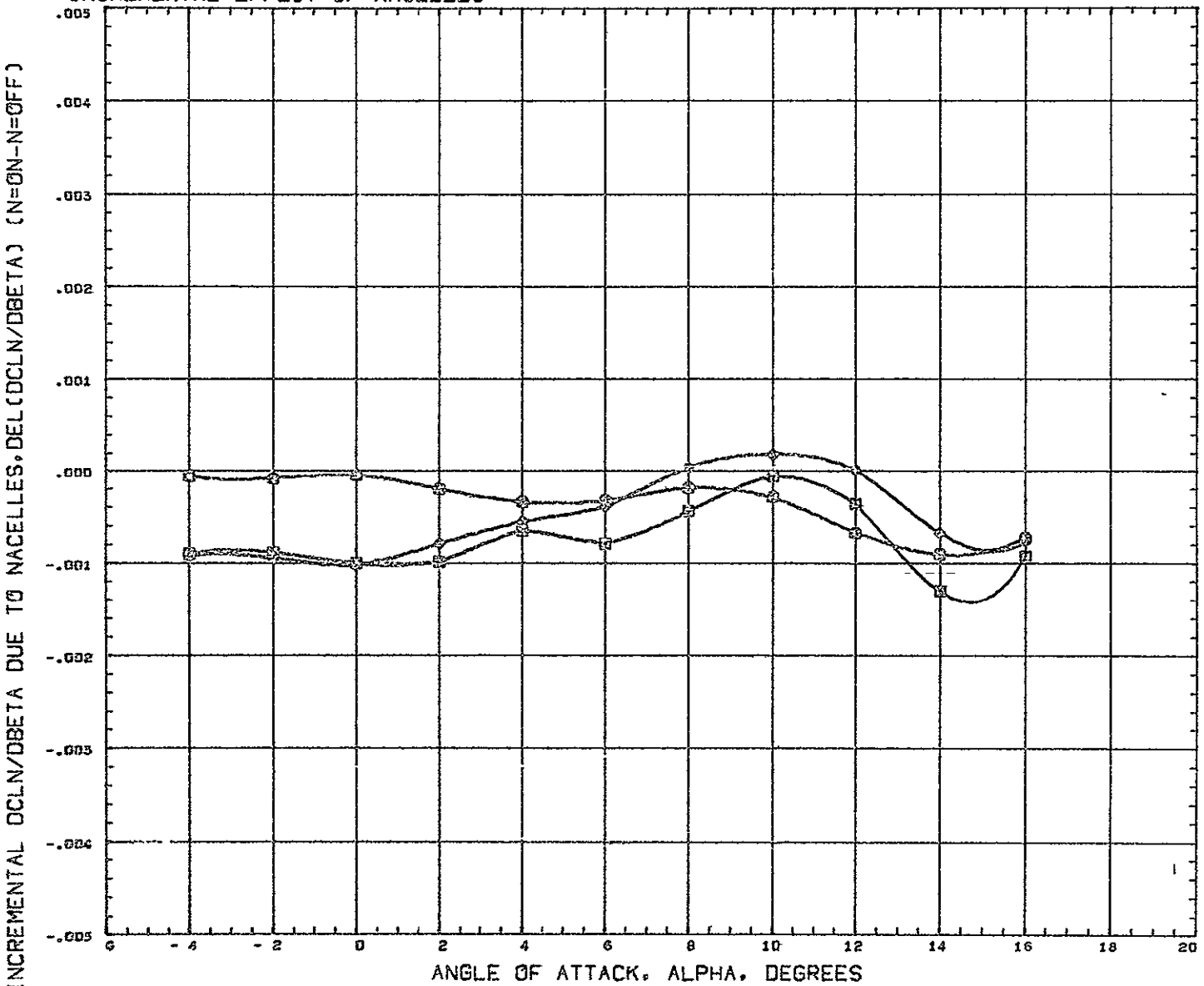


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6028)	□ NAAL632 SSV STR WING B6W1DH12V5N1 (N=ON-N=OFF)
(BC6029)	◇ NAAL632 SSV-STR WING B6W1DH12V5N2 (N=ON-N=OFF)
(BC6030)	○ NAAL632 SSV-STR WING B6W1DH12V5N3 (N=ON-N=OFF)

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0 259

INCREMENTAL EFFECT OF NACELLES



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC6023) □ NAAL632 SSV-STR WING B6WIDH12V3N. (P=ON-N=OFF)

(BC6029) ◊ NAAL632 SSV-STR WING B6WID412V5N2 (N=ON-N=OFF)

(BC6030) ○ NAAL632 SSV-STR WING B6WIDH12V5N3 (N=ON-N=OFF)

REFERENCE INFORMATION

REFS 0 1790 SQ FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XNRP 9 8400 INCHES

YHRP 0 0000 INCHES

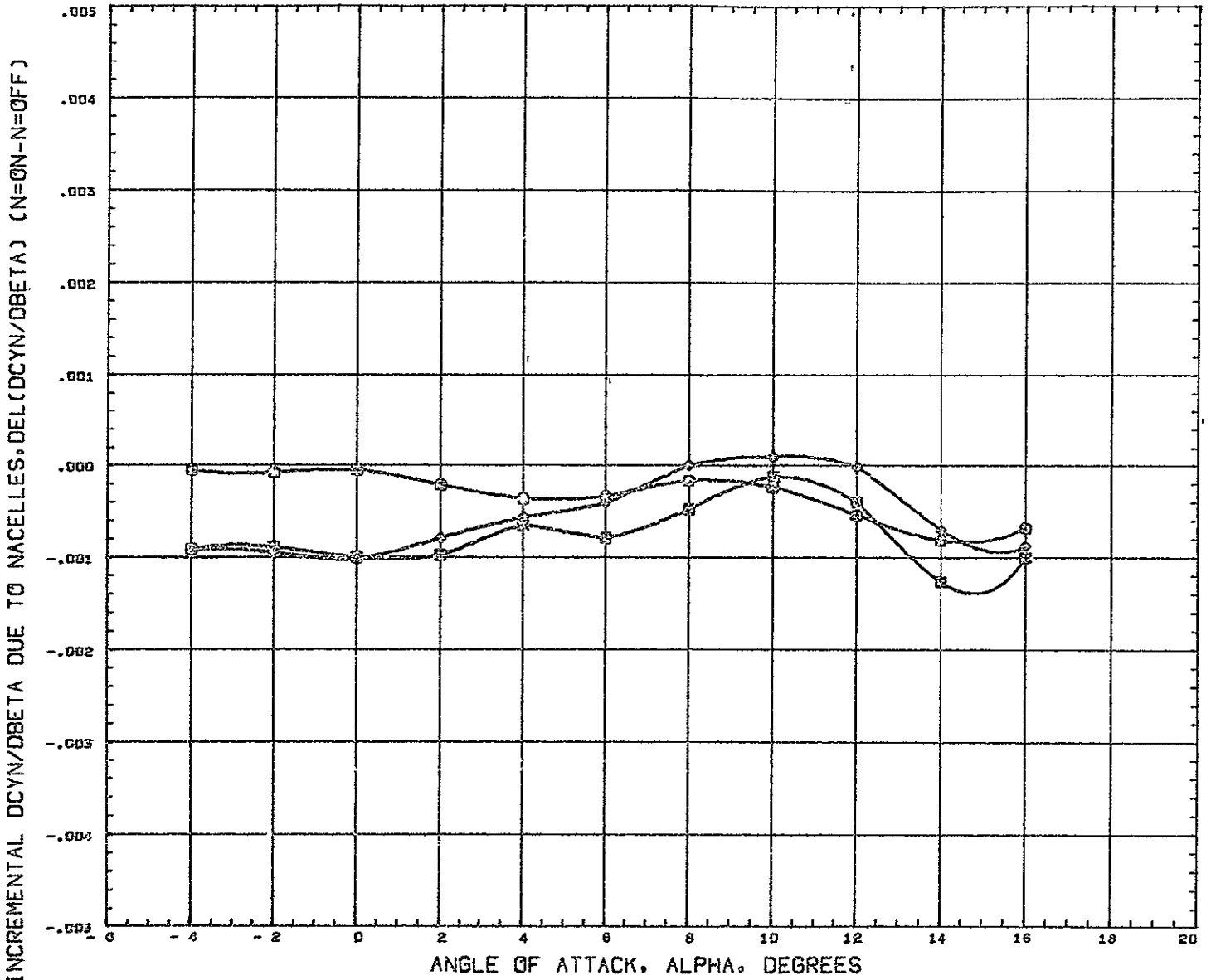
ZHRP 0 3840 INCHES

SCALE 0 0076 SCALE

MACH 0 259

1

INCREMENTAL EFFECT OF NACELLES



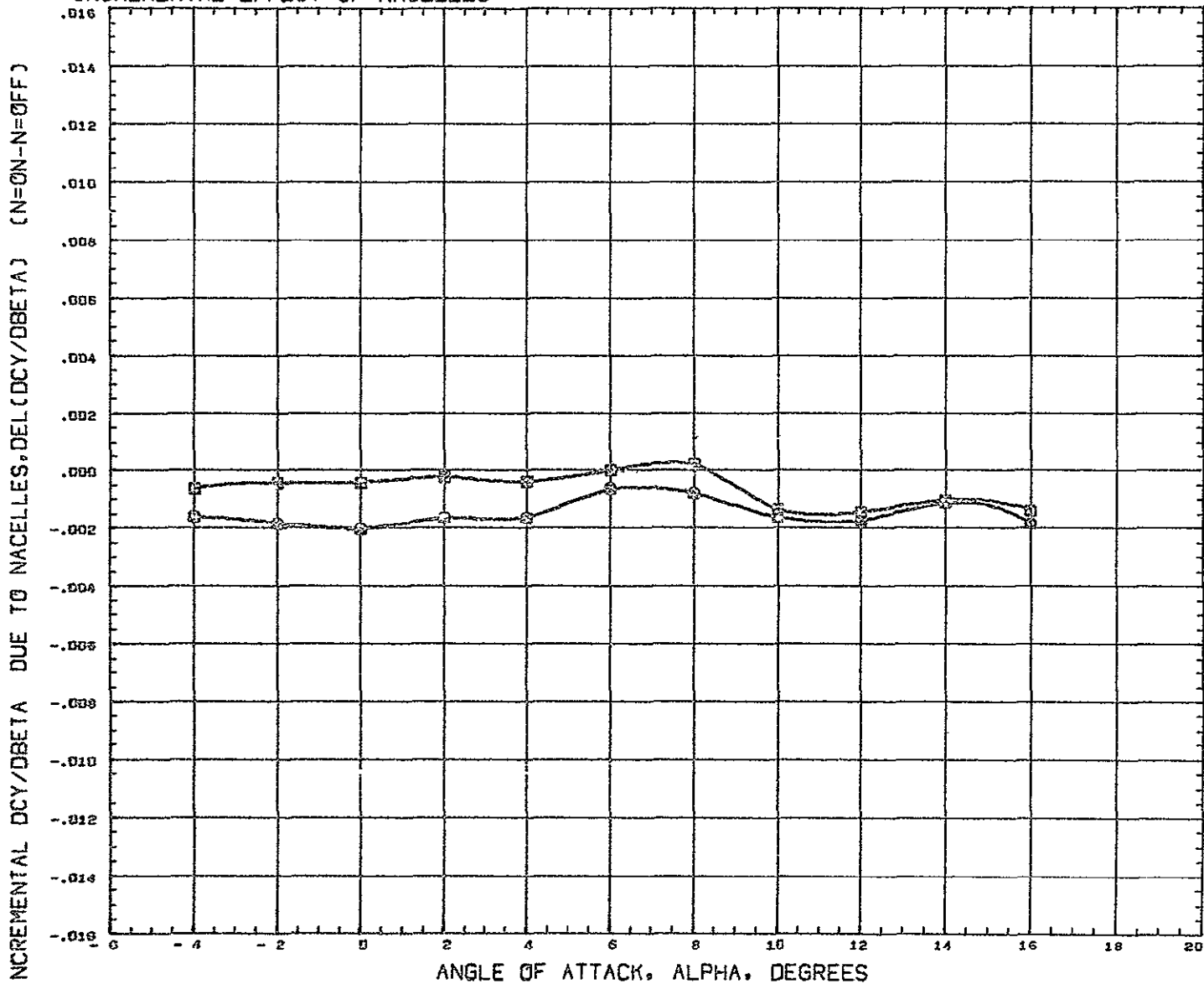
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6028)	□ NAAL632 SSV-STR WING B6W10H12V5N1 (N=ON-N=OFF)
(BC6029)	◇ NAAL632 SSV-STR WING B6W10H12V5N2 (N=ON-N=OFF)
(BC6030)	○ NAAL632 SSV-STR WING B6W10H12V5N3 (N=ON-N=OFF)

REFERENCE INFORMATION	
REFS	0 1790 SQ FT
REFL	15 7370 INCHES
REFB	11 3390 INCHES
XMRP	9 8400 INCHES
YMRP	0 0000 INCHES
ZMRP	0 3840 INCHES
SCALE	0 0076 SCALE

MACH 0.259

44623

INCREMENTAL EFFECT OF NACELLES

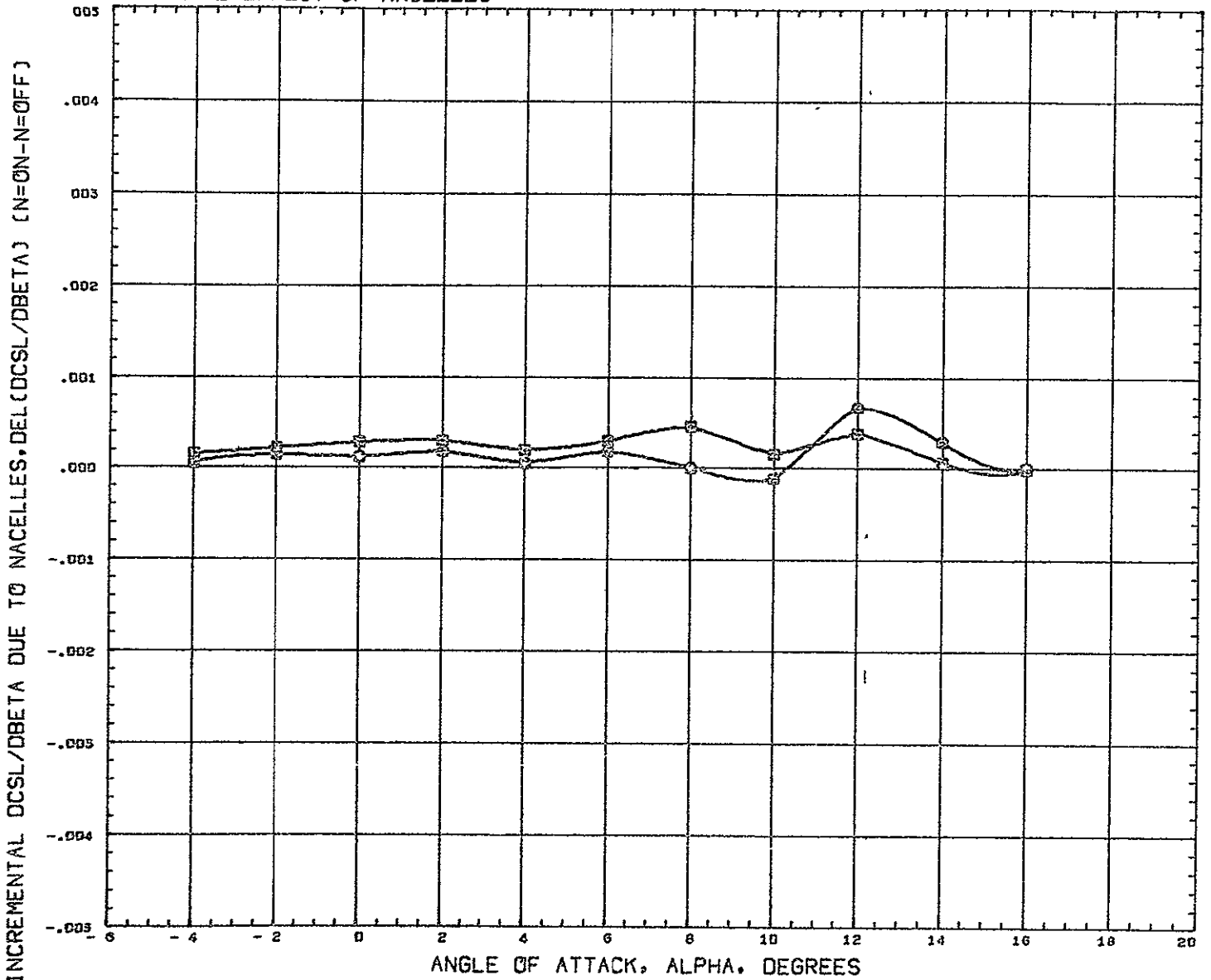


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BC6031) □ NAAL632 SSV-STR WING B6W1DH12/5N4 (N=ON-N=OFF)
 (BC6032) □ NAAL632 SSV-STR WING B6W1DH12V3N5 (N=ON-N=OFF)

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

MACH 0 259

INCREMENTAL EFFECT OF NACELLES

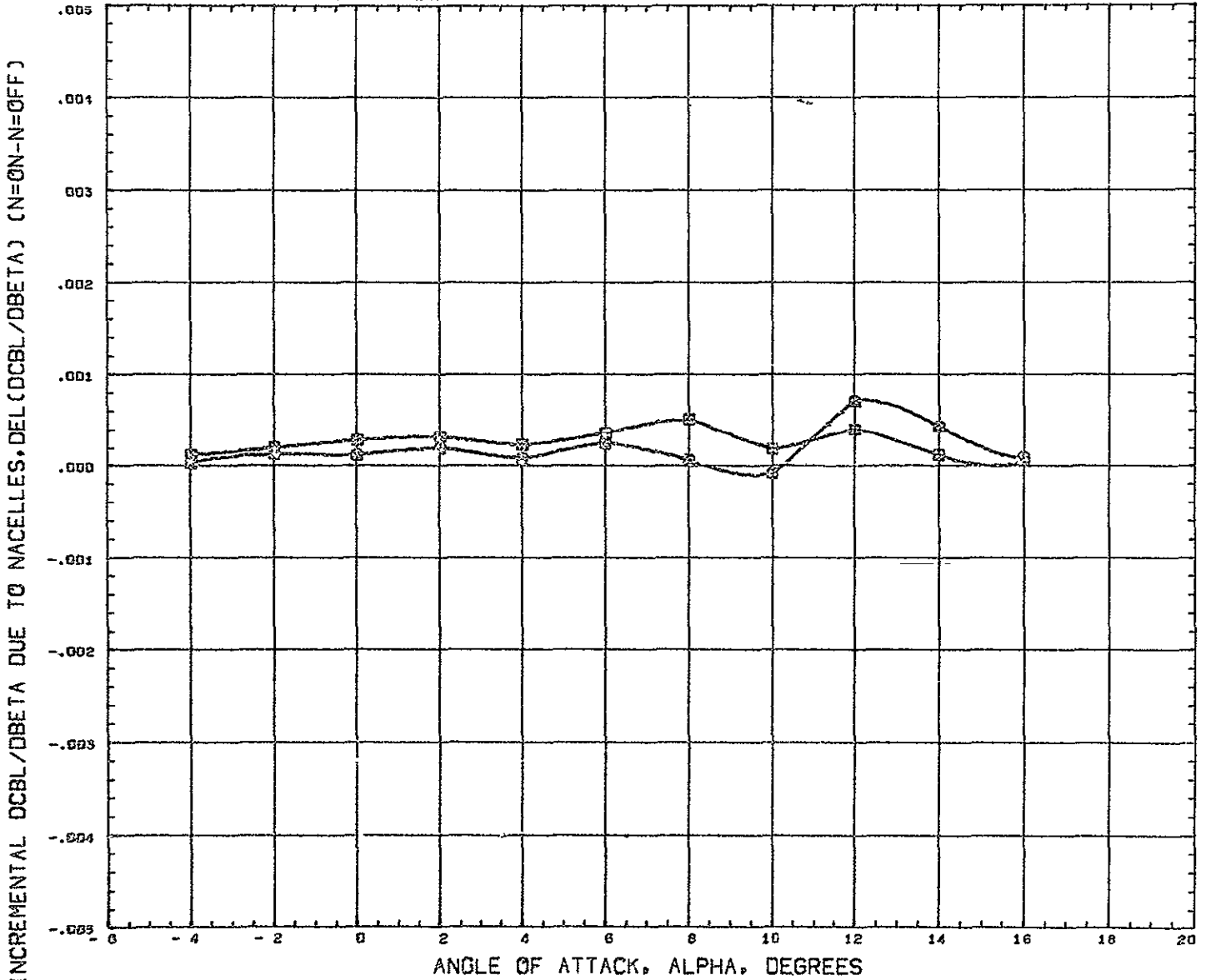


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BCG031) ○ NAAL632 SSV-STR WING B6W10412V5N4 (N=ON-N=OFF)
 (BCG032) □ NAAL632 SSV-STR WING B6W10H12V5N5 (N=ON-N=OFF)

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 PEFB 11.3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0.0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF NACELLES

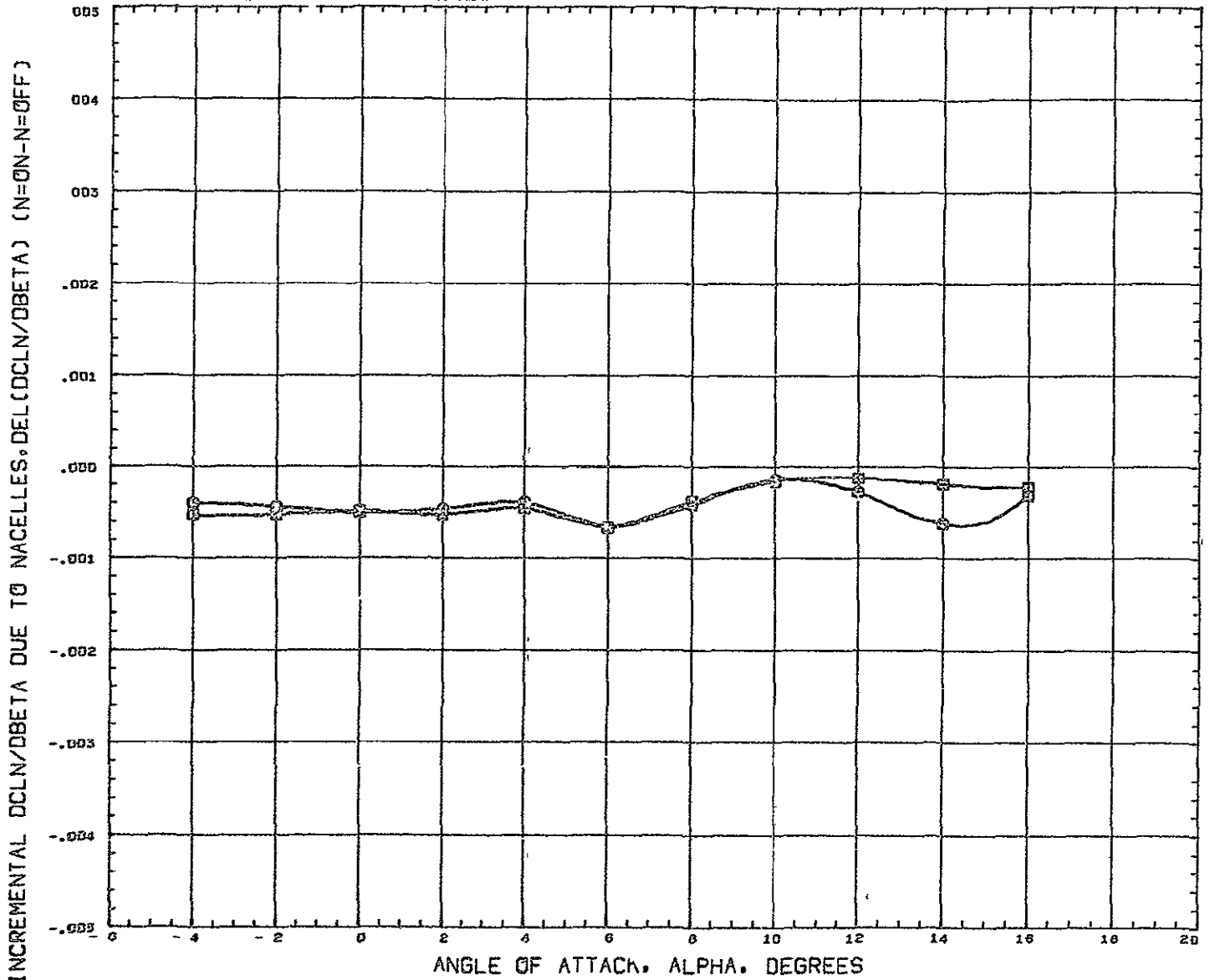


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (BC6031) ○ HAAL632 SSV-STR WING B6W10H12J3N4 (N=ON-N=OFF)
 (BC6032) □ HAAL632 SSV-STR WING B6W10H12V5N5 (N=ON-N=OFF)

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRF 9 8400 INCHES
 YHRF 0 0000 INCHES
 ZHRF 0 3840 INCHES
 SCALE 0.0076 SCALE

HACA 0 259

INCREMENTAL EFFECT OF NACELLES

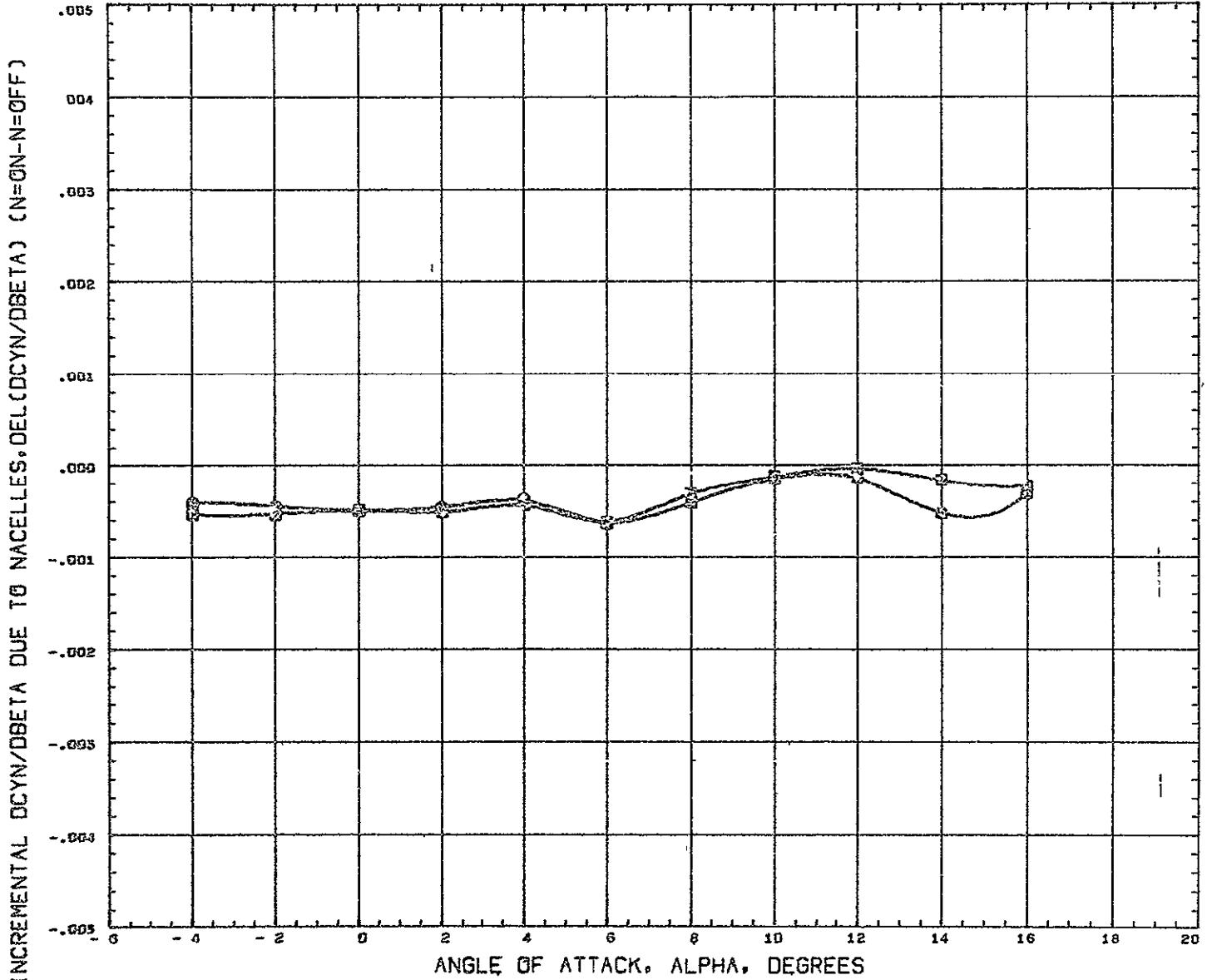


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SC6031) □ NAAL632 SSV-STR WING B6W10H12V5N4 (N=ON-N=OFF)
 (SC6032) □ NAAL632 SSV-STR WING B6W10H12V5N5 (N=ON-N=OFF)

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11.3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0.3840 INCHES
 SCALE 0 0076 SCALE

HACH 0 259

INCREMENTAL EFFECT OF NACELLES

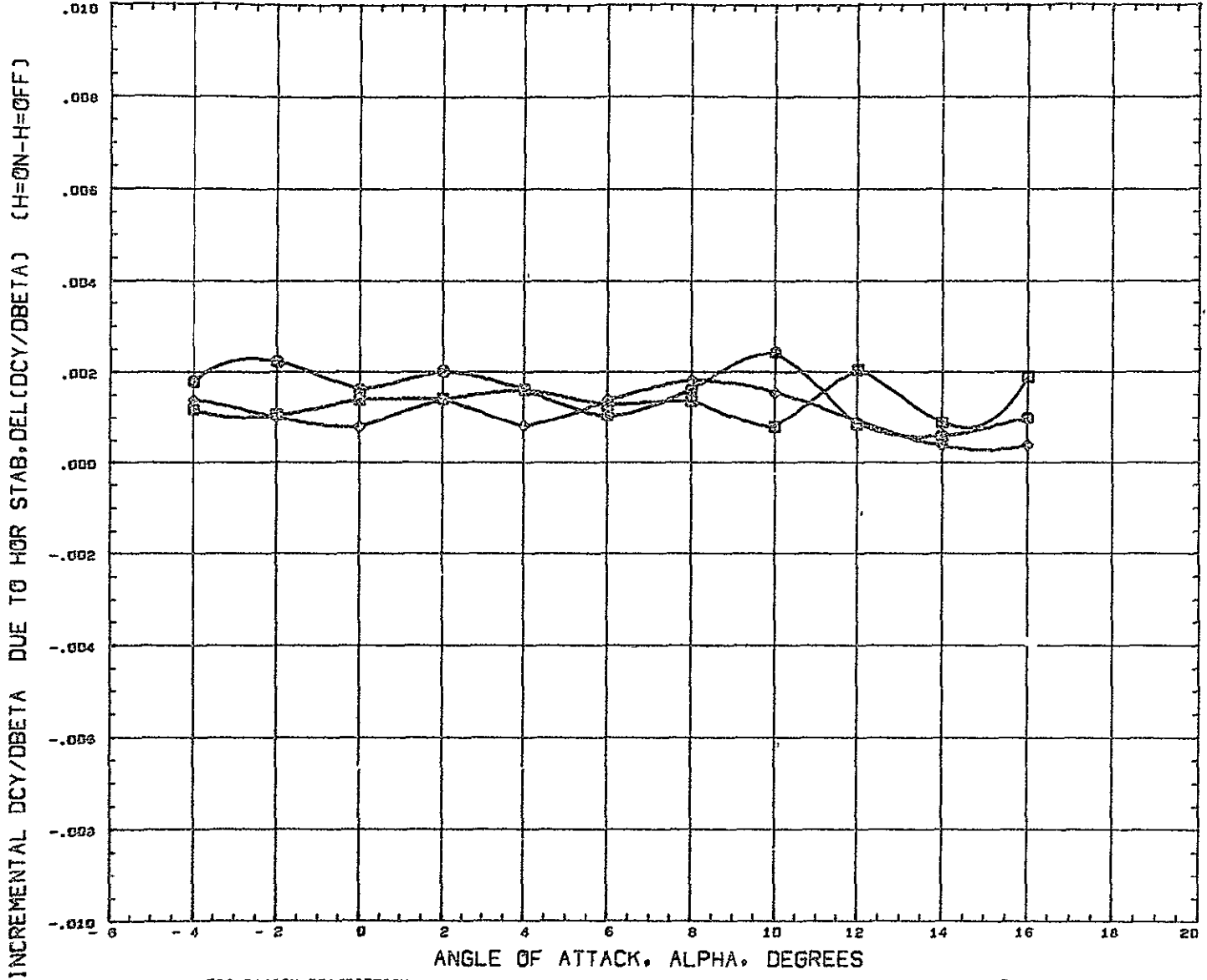


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (8C6031) □ NAAL632 SSV-STR WING B6W10H12V3N3 (N=ON-N=OFF)
 (8C6032) □ NAAL632 SSV-STR WING B6W10H12V3N3 (N=ON-N=OFF)

REFERENCE INFORMATION
 PEFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XMRP 9 8400 INCHES
 YMRP 0 0000 INCHES
 ZMRP 0 3840 INCHES
 SCALE 0 0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

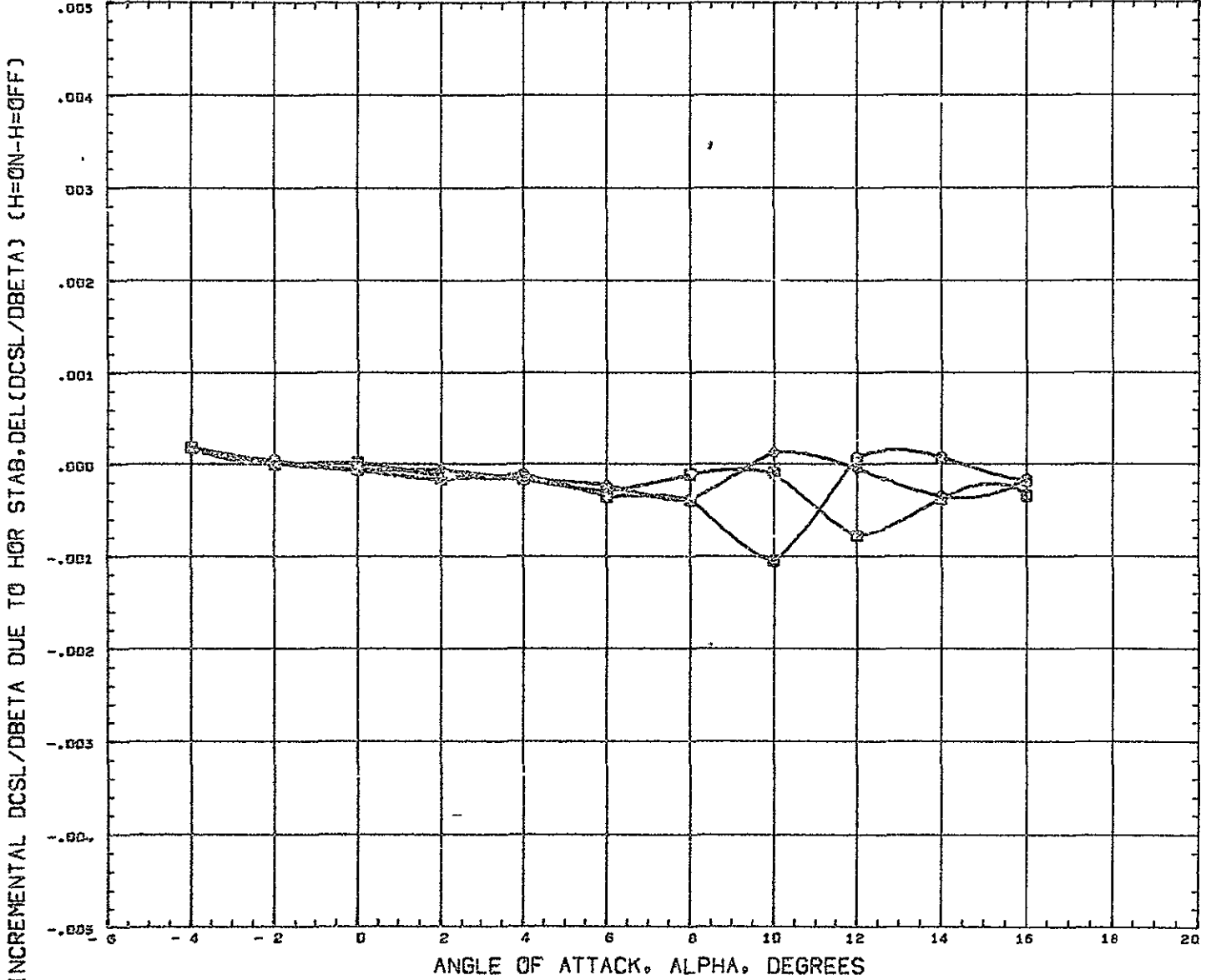


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6033)	□ NAAL632 SSV-STR WING B6W10H12V5 (H=ON-H=OFF)
(BC6034)	□ NAAL632 SSV-STR WING B6W10H12V5n2 (H=ON-H=OFF)
(BC6035)	○ NAAL632 SSV-STR WING B6W10H12V5n4 (H=ON-H=OFF)

REFERENCE INFORMATION		
PEFS	0 1798	SQ.FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

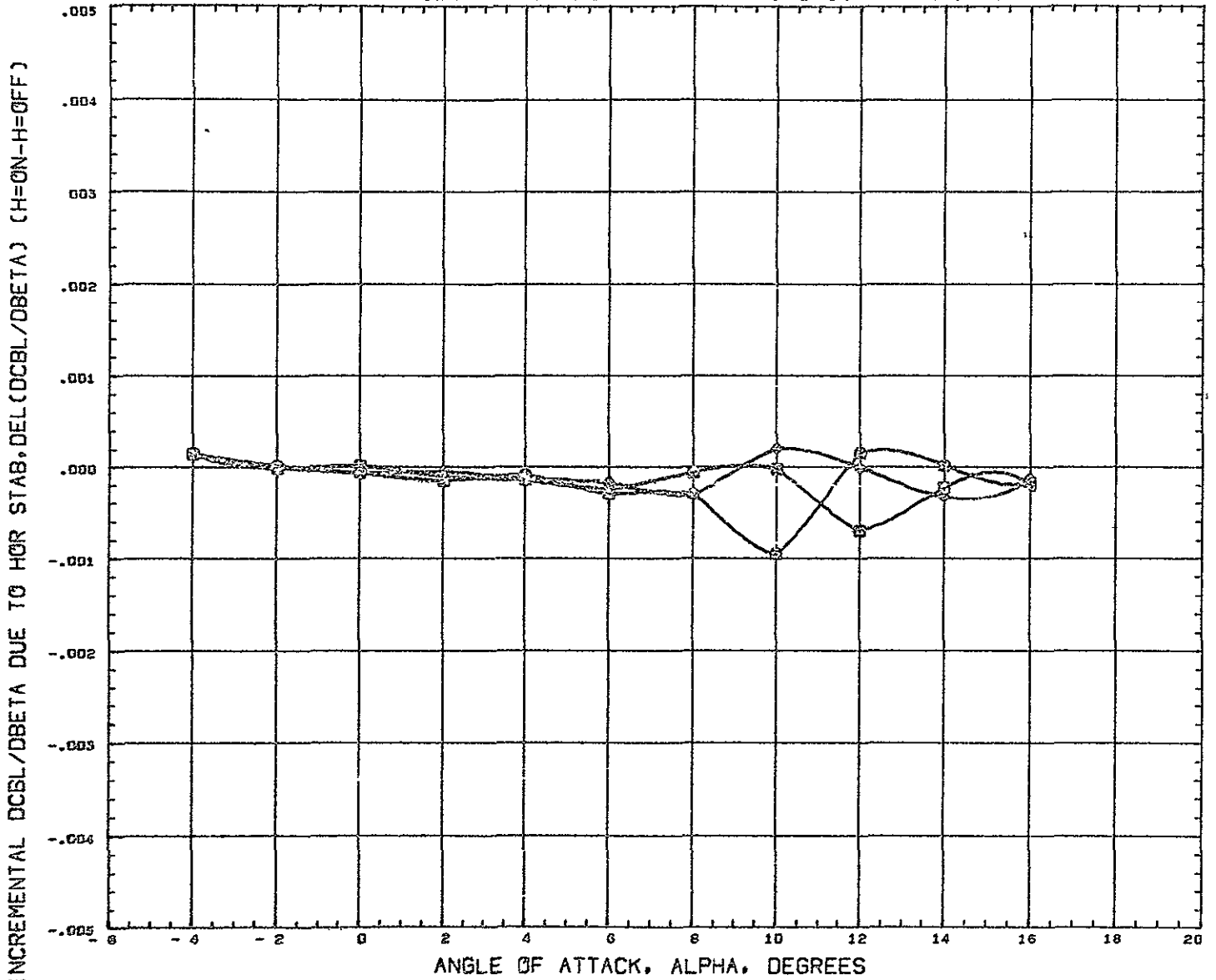


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BCG033) ○	NAAL632 SSV-STR WING B6W10H12V4 (H=ON-H=OFF)
(BCG034) □	NAAL632 SSV-STP WING B6W10H12V542 (H=ON-H=OFF)
(BCG035) ◇	NAAL632 SSV-STR WING B6W10H12V5N4 (H=ON-H=OFF)

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9 8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

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INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

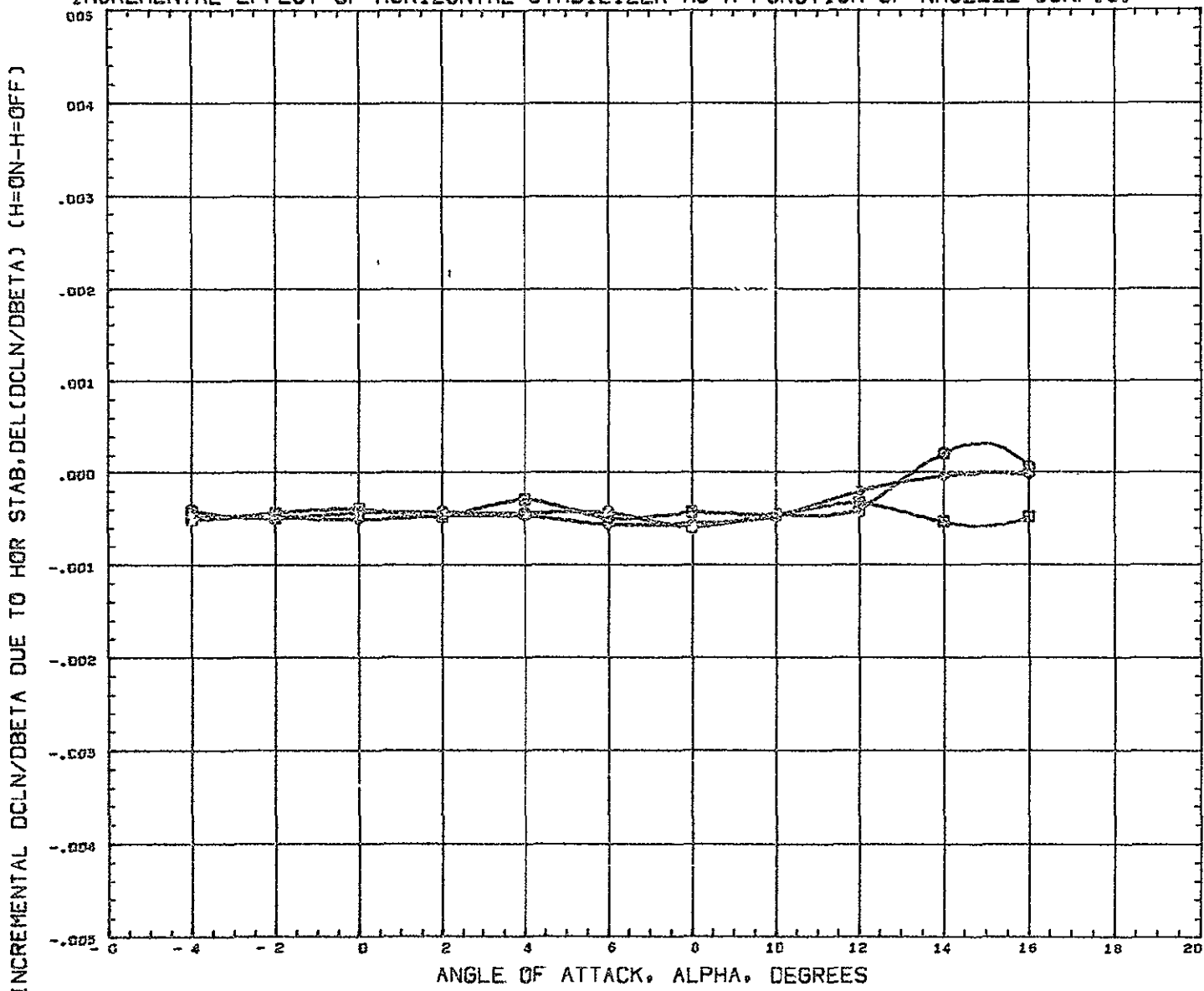


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(SC6033)	NAALG32 SSV-STR WING B6W1DH12V5 (H=ON-H=OFF)
(SC6034)	NAALG32 SSV-STR WING B6W1DH12V5N2 (H=ON-H=OFF)
(SC6035)	NAALG32 SSV-STR WING B6W1DH12V5N4 (H=ON-H=OFF)

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XHRF	9	8400 INCHES
YHRF	0	0000 INCHES
ZHRF	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

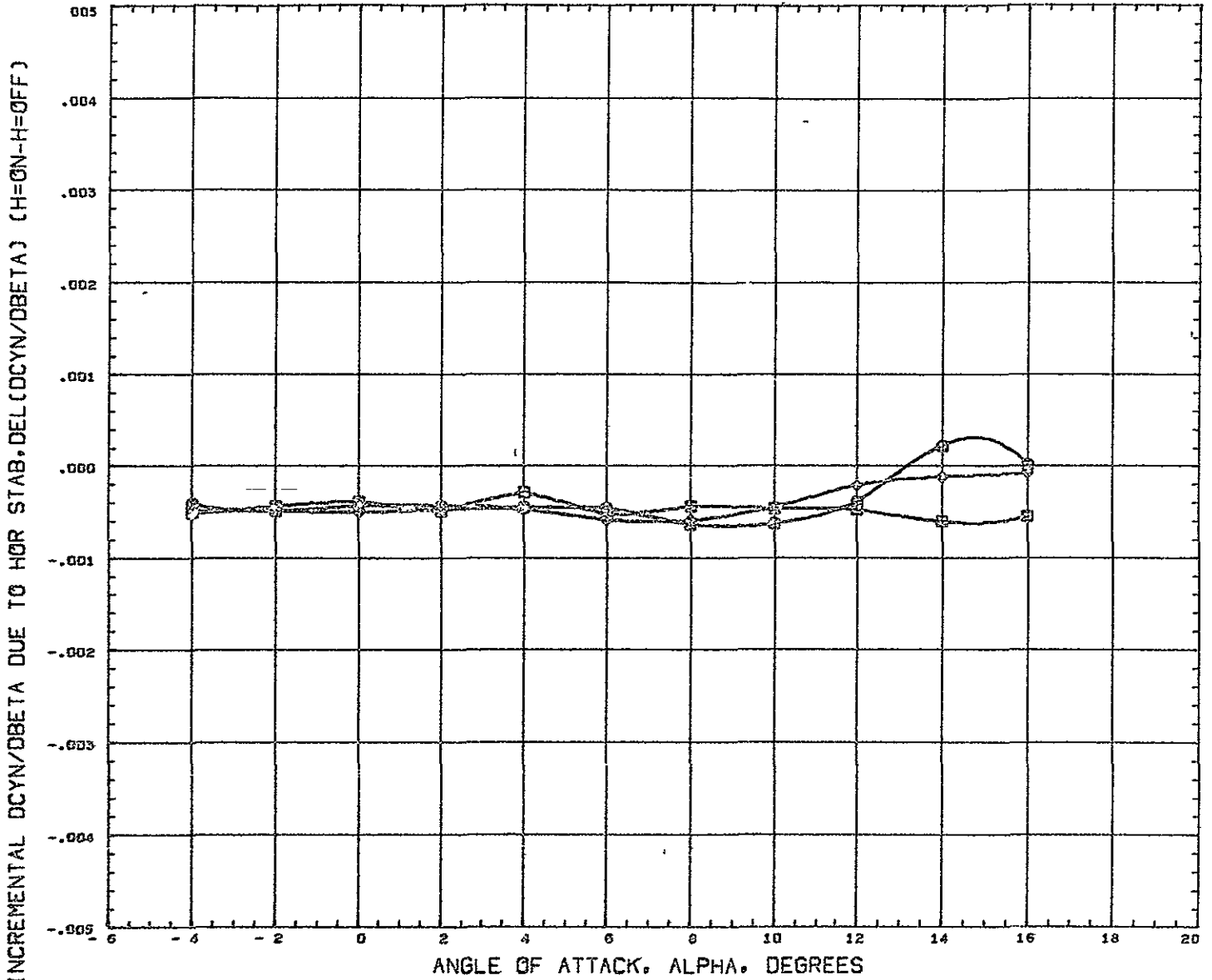


DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
(BCC033)	□	NAAL632 SSV-STR WING B6W10H12V5 (H=ON-H=OFF)
(BCC034)	○	NAAL632 SSV-STR WING B6W10H12V5N2 (H=ON-H=OFF)
(BCC035)	◇	NAAL632 SSV-STR WING B6W10H12V5N4 (H=ON-H=OFF)

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9.8400	INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

INCREMENTAL EFFECT OF HORIZONTAL STABILIZER AS A FUNCTION OF NACELLE CONFIG.

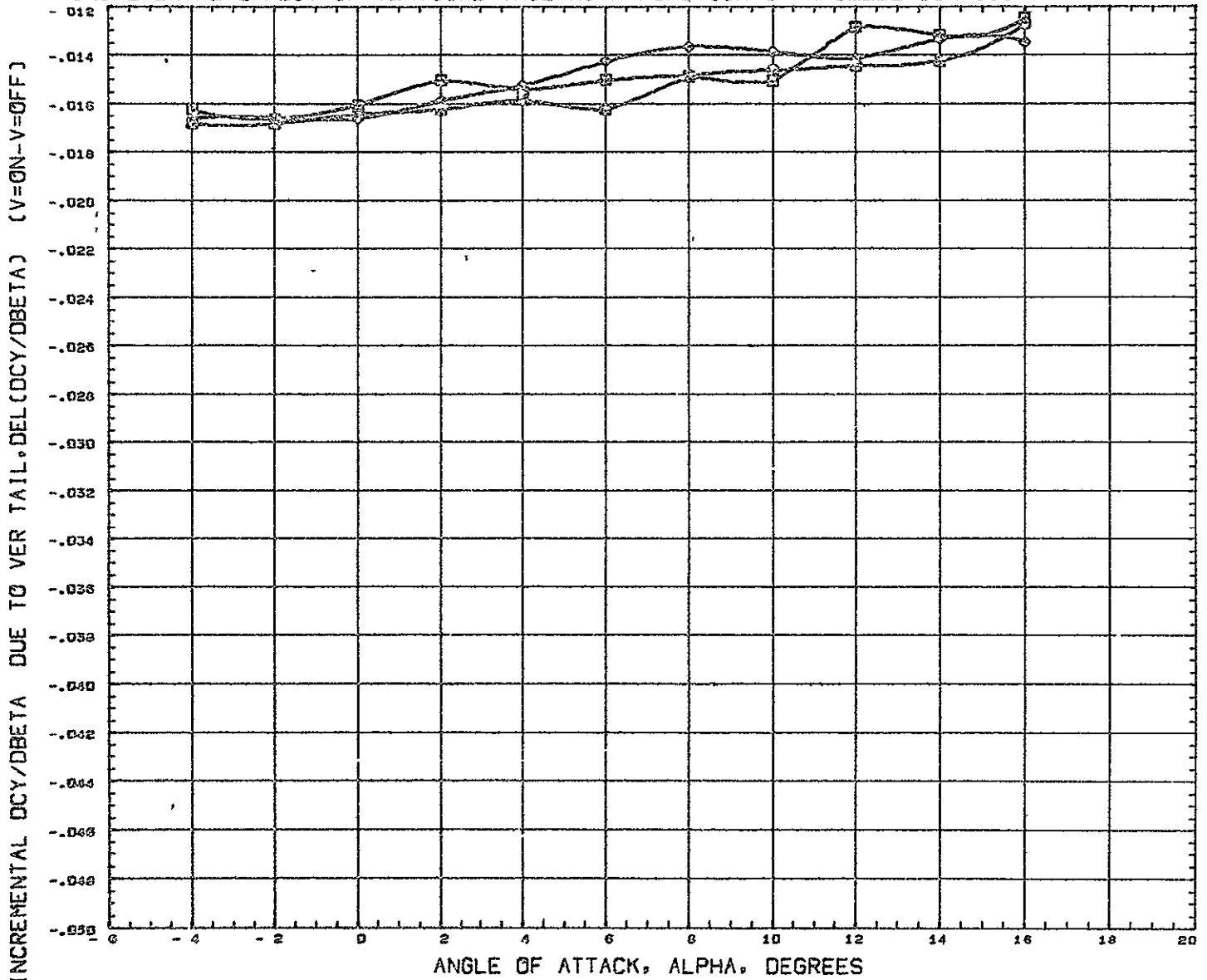


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6033)	□ NAAL632 SSV-STR WING B6W12V12V5 (H=ON-H=OFF)
(BC6034)	□ NAAL632 SSV-STR WING B6W10H12V3N2 (H=ON-H=OFF)
(BC6035)	◇ NAAL632 SSV-STR WING B6W10H12V3N4 (H=ON-H=OFF)

REFERENCE INFORMATION	
REFS	0 1790 SQ FT
REFL	15 7370 INCHES
REFB	11 3390 INCHES
XMRP	9 8400 INCHES
YMRP	0 0000 INCHES
ZMRP	0 3840 INCHES
SCALE	0 0076 SCALE

HACH 0 259

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.

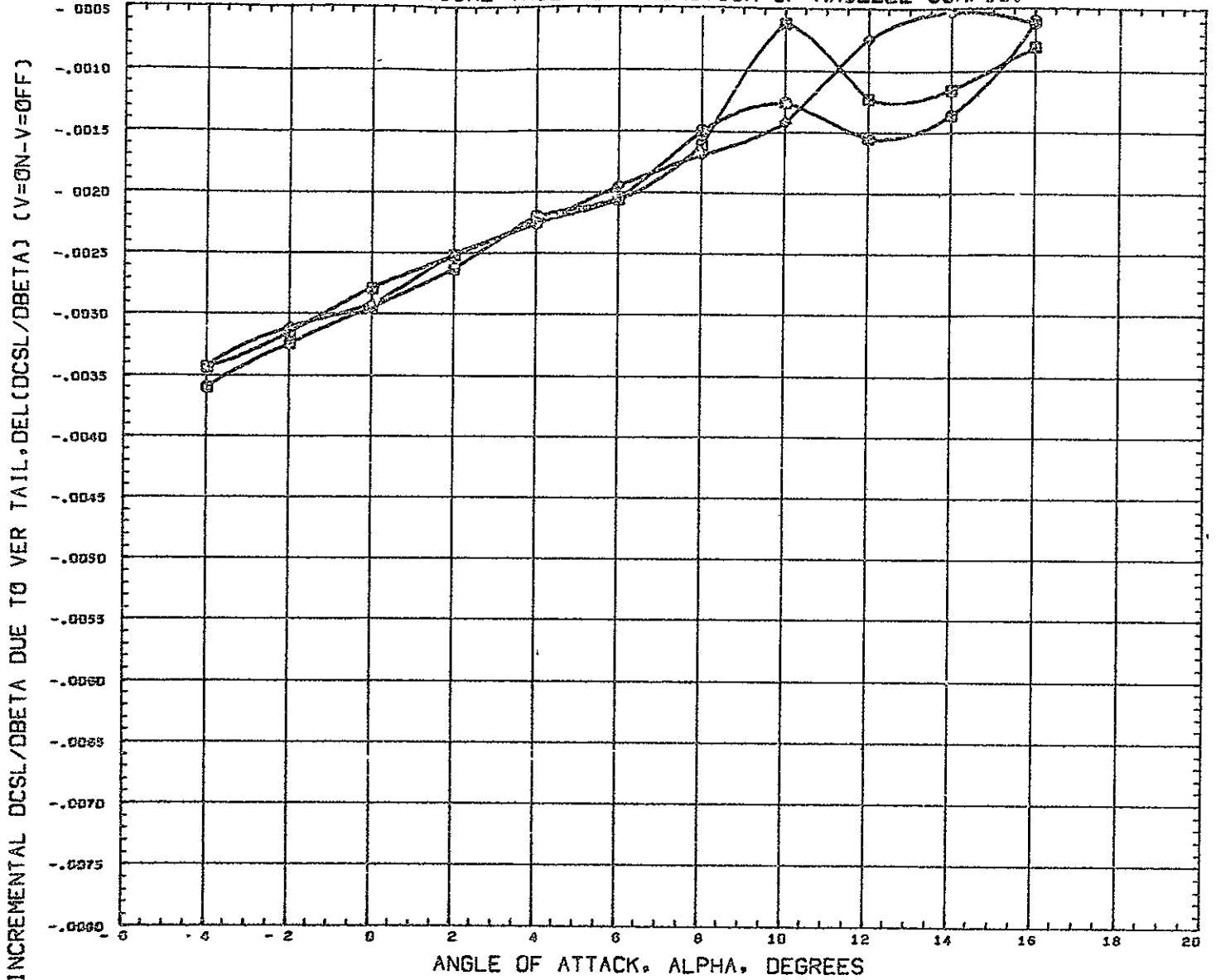


DATA SET 3750L CONFIGURATION DESCRIPTION
 (BC6036) □ NAAL632 SSV-STR WING B6W10H12V5 (V=ON-V=OFF)
 (BC6037) □ NAAL632 SSV-SRT WING B6W10H12V3N2 (V=ON-V=OFF)
 (BC6038) ◇ NAAL632 SSV-SRT WING B6W10H12V3N4 (V=ON-V=OFF)

REFERENCE INFORMATION
 REFS 0 1790 SQ FT
 REFL 15 7370 INCHES
 REFB 11 3390 INCHES
 XHRP 9 8400 INCHES
 YHRP 0 0000 INCHES
 ZHRP 0 3840 INCHES
 SCALE 0 0076 SCALE

MACH 0 259

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.

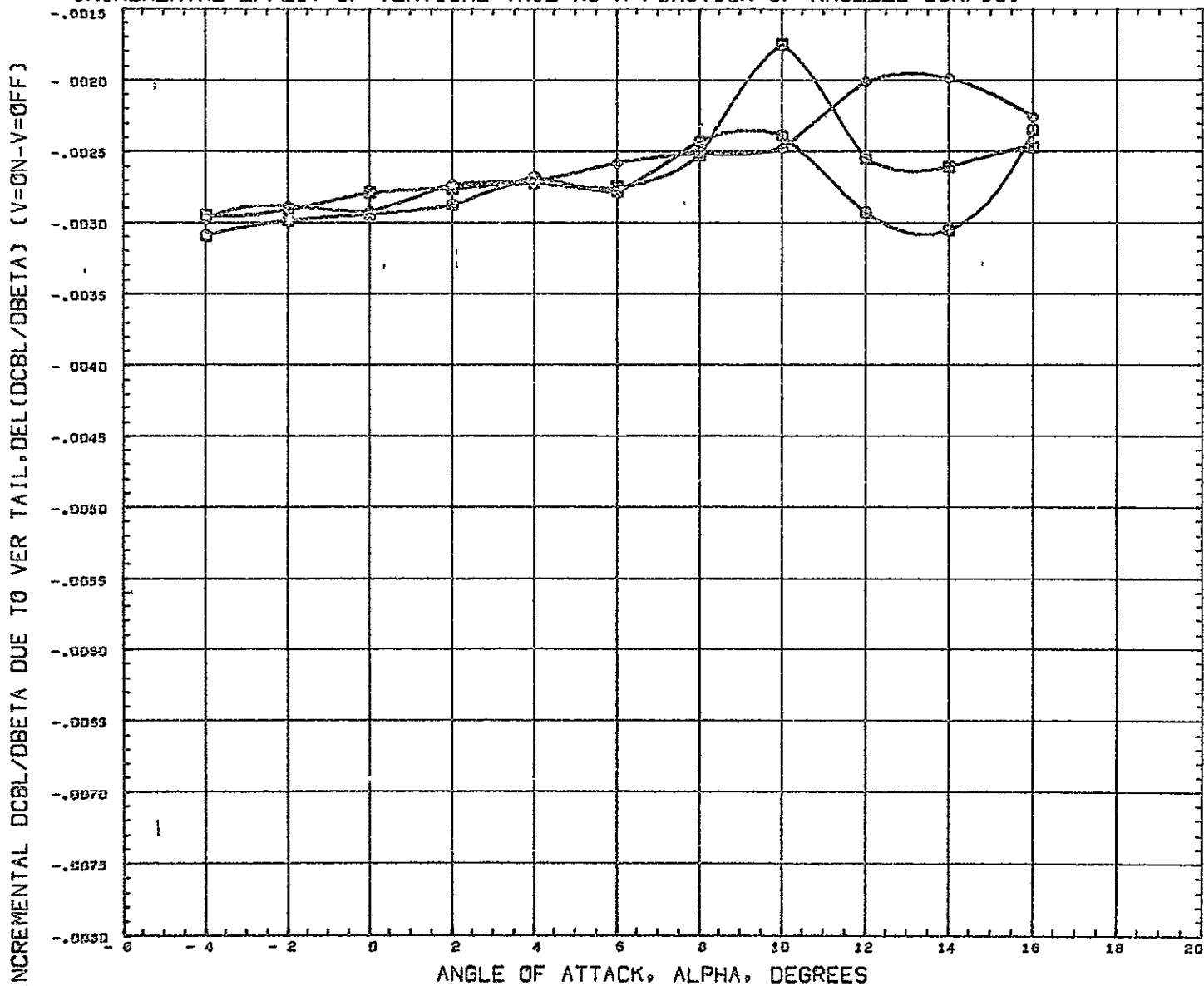


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(DC6036) □	NAAL632 SSV-STR WING B6W10.112V5 (V=ON-V=OFF)
(DC6037) ◇	NAAL632 SSV-SRT WING B6W10H12V5N2 (V=ON-V=OFF)
(DC6038) ○	NAAL632 SSV-SRT WING B6W10H12V5N4 (V=ON-V=OFF)

REFERENCE INFORMATION		
PEFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XHRP	9.8400	INCHES
YHRP	0 0000	INCHES
ZHRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.

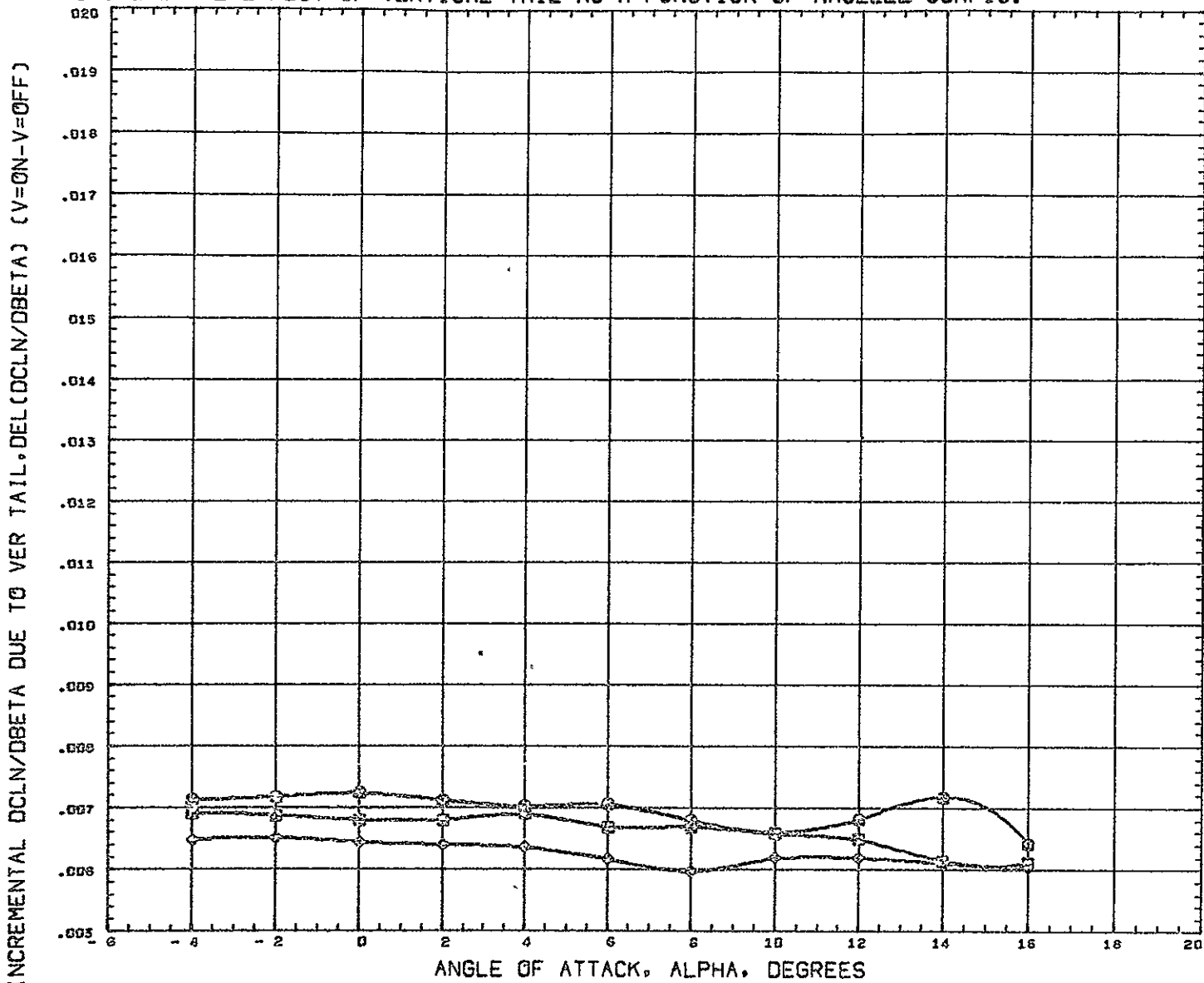


DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6036) □	NAAL632 SSV-STR WING B6W10H12V3 (V=ON-V=OFF)
(BC6037) ◇	NAAL632 SSV-SRY WING B6W10H12V3H2 (V=ON-V=OFF)
(BC6038) ○	NAAL632 SSV-SRT WING B6W10H12V3H4 (V=ON-V=OFF)

REFERENCE INFORMATION		
REFS	0 1790	SQ FT
REFL	15 7370	INCHES
REFB	11 3390	INCHES
XMRP	9 8400	INCHES
YMRP	0 0000	INCHES
ZMRP	0 3840	INCHES
SCALE	0 0076	SCALE

MACH 0.259

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.

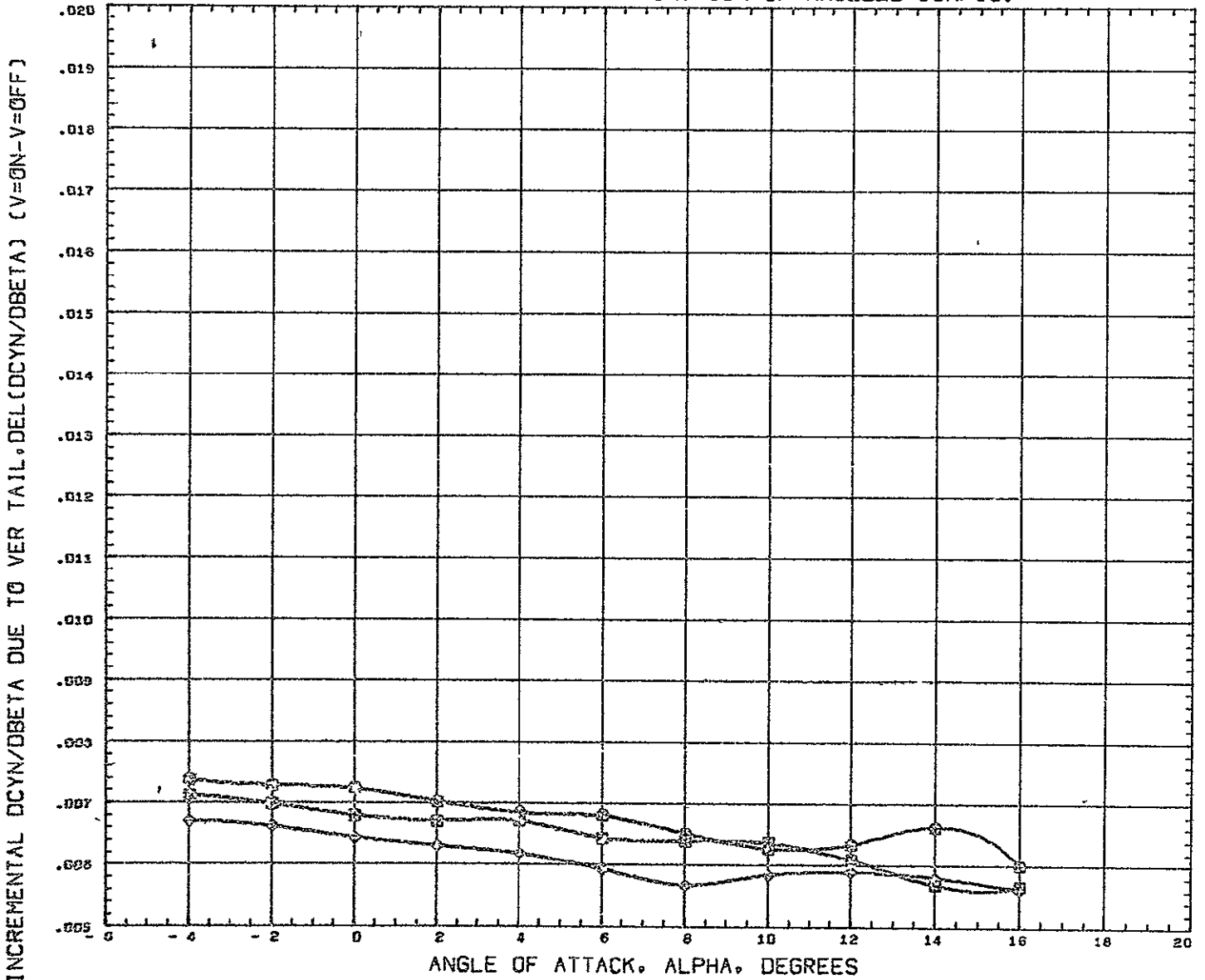


DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(BC6036)	□	NAAL632 SSV-STR WING B6W10H12V5 (V=ON-V=OFF)
(BC6037)	◇	NAAL632 SSV-SRT WING B6W10H12V5N2 (V=ON-V=OFF)
(BC6038)	○	NAAL632 SSV-SRT WING B6W10H12V5N4 (V=ON-V=OFF)

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0 259

INCREMENTAL EFFECT OF VERTICAL TAIL AS A FUNCTION OF NACELLE CONFIG.



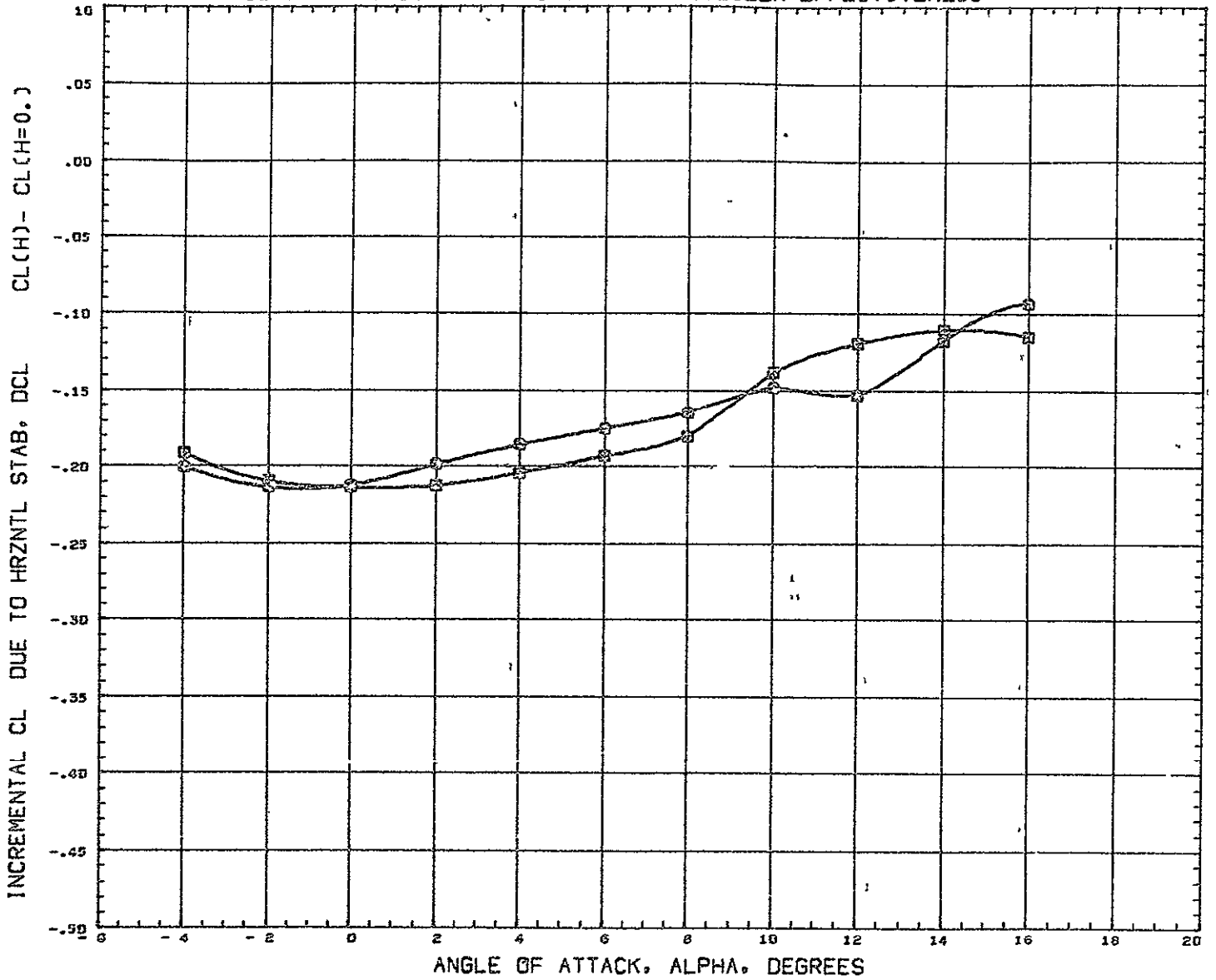
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC6036) □	NAAL632 SSV-STR WING B6W10H12V5 (V=ON-V=OFF)
(BC6037) ◇	NAAL632 SSV-SRT WING B6W10H12V5N2 (V=ON-V=OFF)
(BC6038) ○	NAAL632 SSV-SRT WING B6W10H12V5N4 (V=ON-V=OFF)

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

2022

EFFECT OF NACELLE POSITION ON HORIZONTAL STABILIZER EFFECTIVENESS

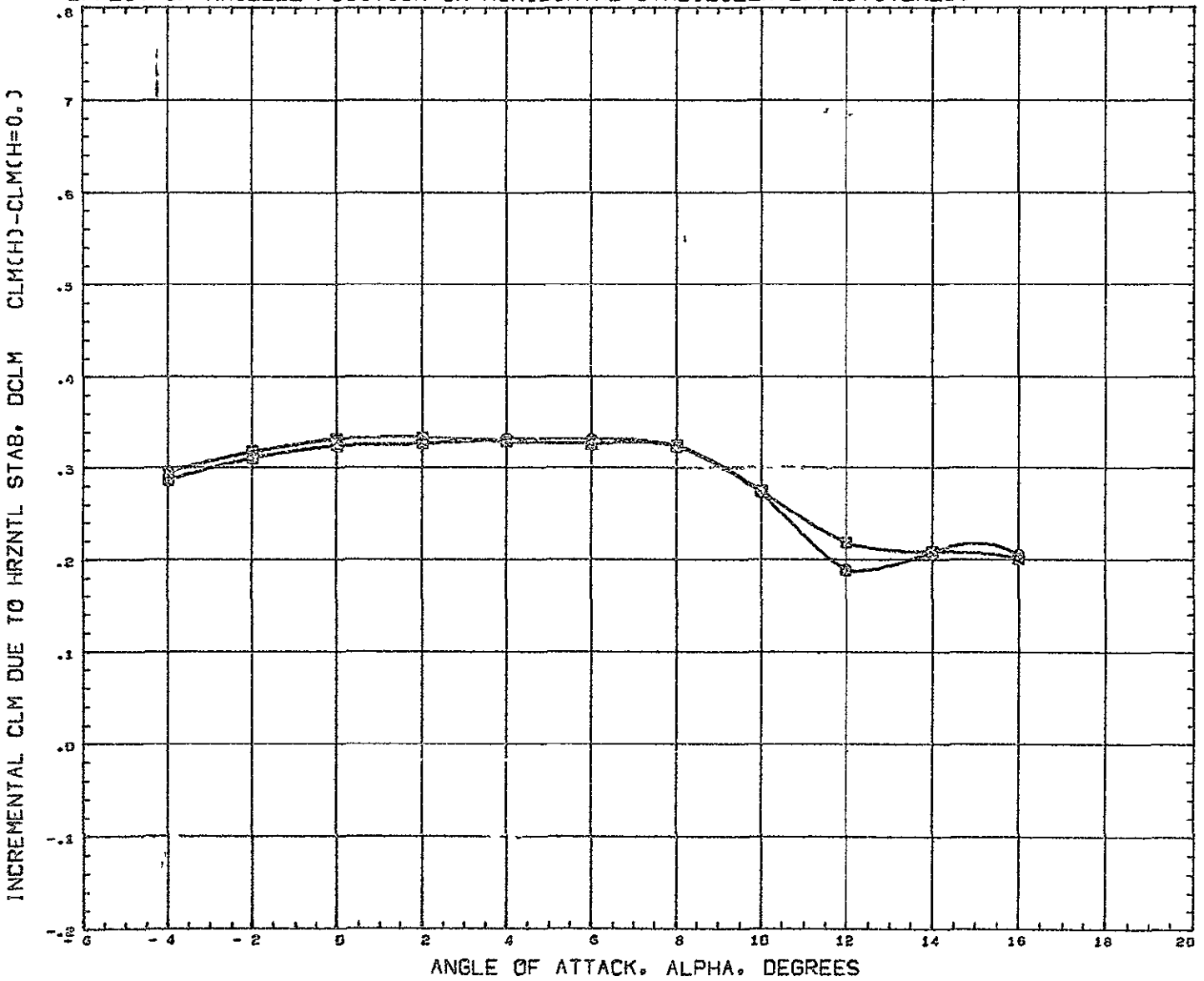


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(BCG039) ○	NAAL632 SSV-3RT WING B6W10H12V5*2 (H=-10 -H=0.)	BETA 0 000
(BCG040) □	NAAL632 SSV-3RT WING B6W10H12V5N4 (H=-10 -H=0.)	

REFERENCE INFORMATION		
REFS	0	1790 SQ FT
REFL	15	7370 INCHES
REFB	11	3390 INCHES
XMRP	9	8400 INCHES
YMRP	0	0000 INCHES
ZMRP	0	3840 INCHES
SCALE	0	0076 SCALE

MACH 0.259

EFFECT OF NACELLE POSITION ON HORIZONTAL STABILIZER EFFECTIVENESS



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC9D39) □ NAAL632 SSV-SRT WING B6W10H12V5N2 (H=-10, -H=0)

(BC9D40) □ NAAL632 SSV-SRT WING B6W10H12V5N4 (H=-10, -H=0)

PARAMETRIC VALUES

BETA 0.000

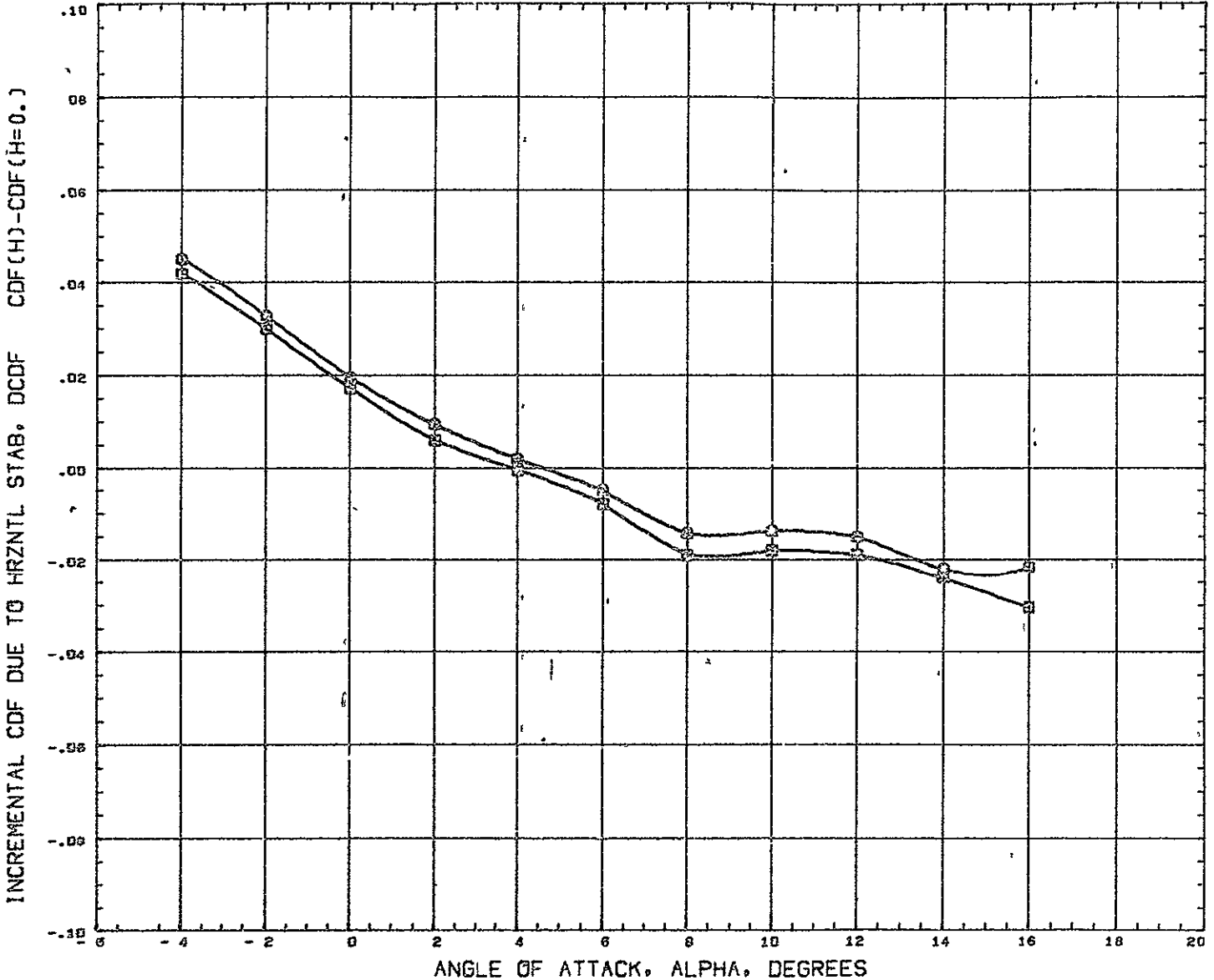
REFERENCE INFORMATION

REFS	0	1790	SQ FT
REFL	15	7370	INCHES
REFB	11	3390	INCHES
XMRP	9	8400	INCHES
YMRP	0	0000	INCHES
ZMRP	0	3840	INCHES
SCALE	0.0076		SCALE

HACH

0 259

EFFECT OF NACELLE POSITION ON HORIZONTAL STABILIZER EFFECTIVENESS

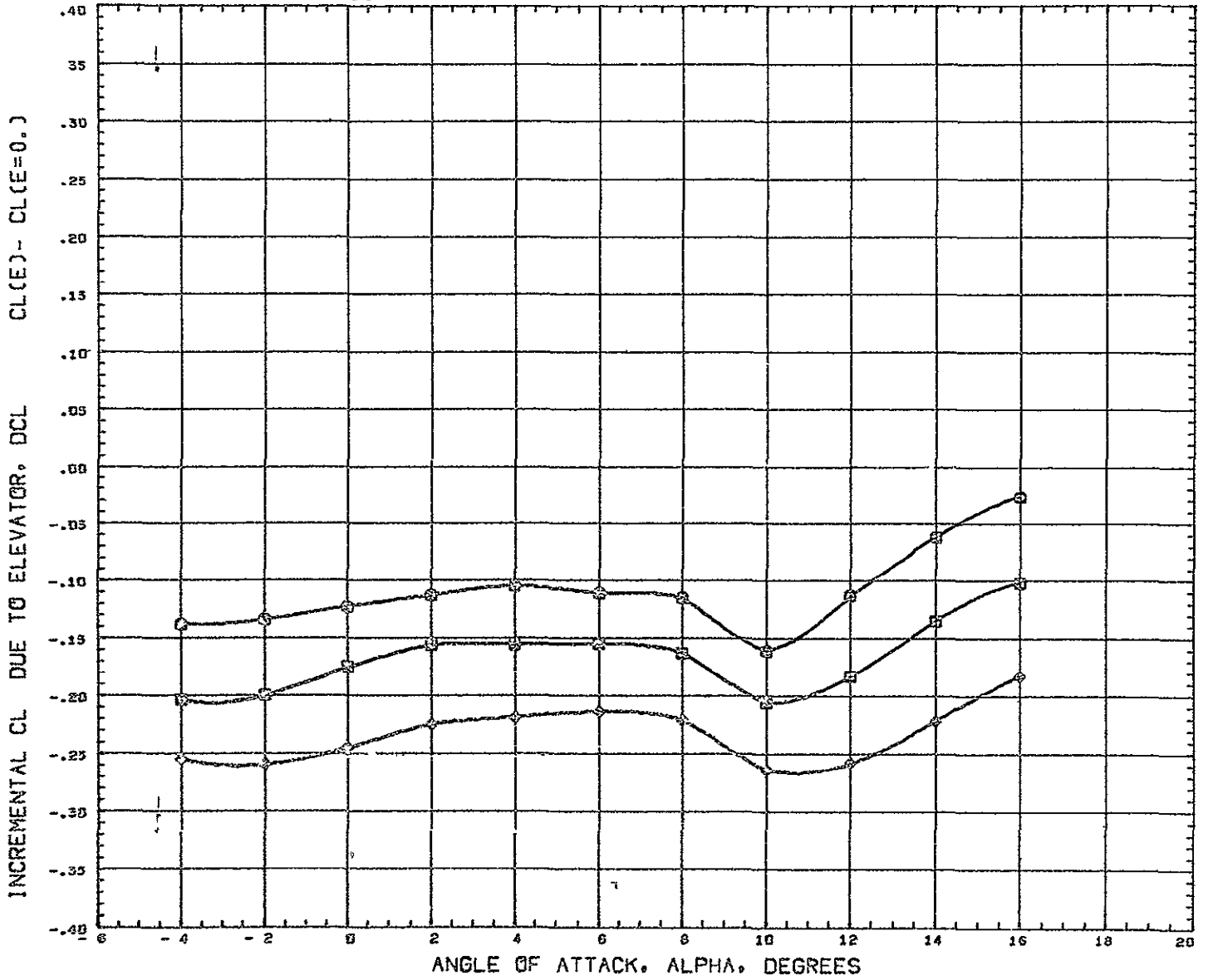


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(DCG039)	MAAL632 SSV-SRT WING B6W1D412V5N2 (H=-1D.-H=0.)	BETA 0 000	REFS 0 1790 SQ FT
(DCG040)	MAAL632 SSV-SRT WING B6W1D412V5N4 (H=-1D.-H=0)		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259



ELEVATOR EFFECTIVENESS



DATA SET SYMBOL CONFIGURATION DESCRIPTION PARAMETRIC VALUES

(BCGD41) □ NAAL632 SSV-SRT WING B6W10H12E12V3 (E=-10 -E=0) BETA 0 000

(BCGD42) □ NAAL632 SSV-SRT WING B6W10H12E12V3 (E=-20 -E=0)

(BCGD43) ◊ NAAL632 SSV-SRT WING B6W10H12E12V3 (E=-30 -E=0)

REFERENCE INFORMATION

REFS 0 1790 SQ FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XMRP 9 8400 INCHES

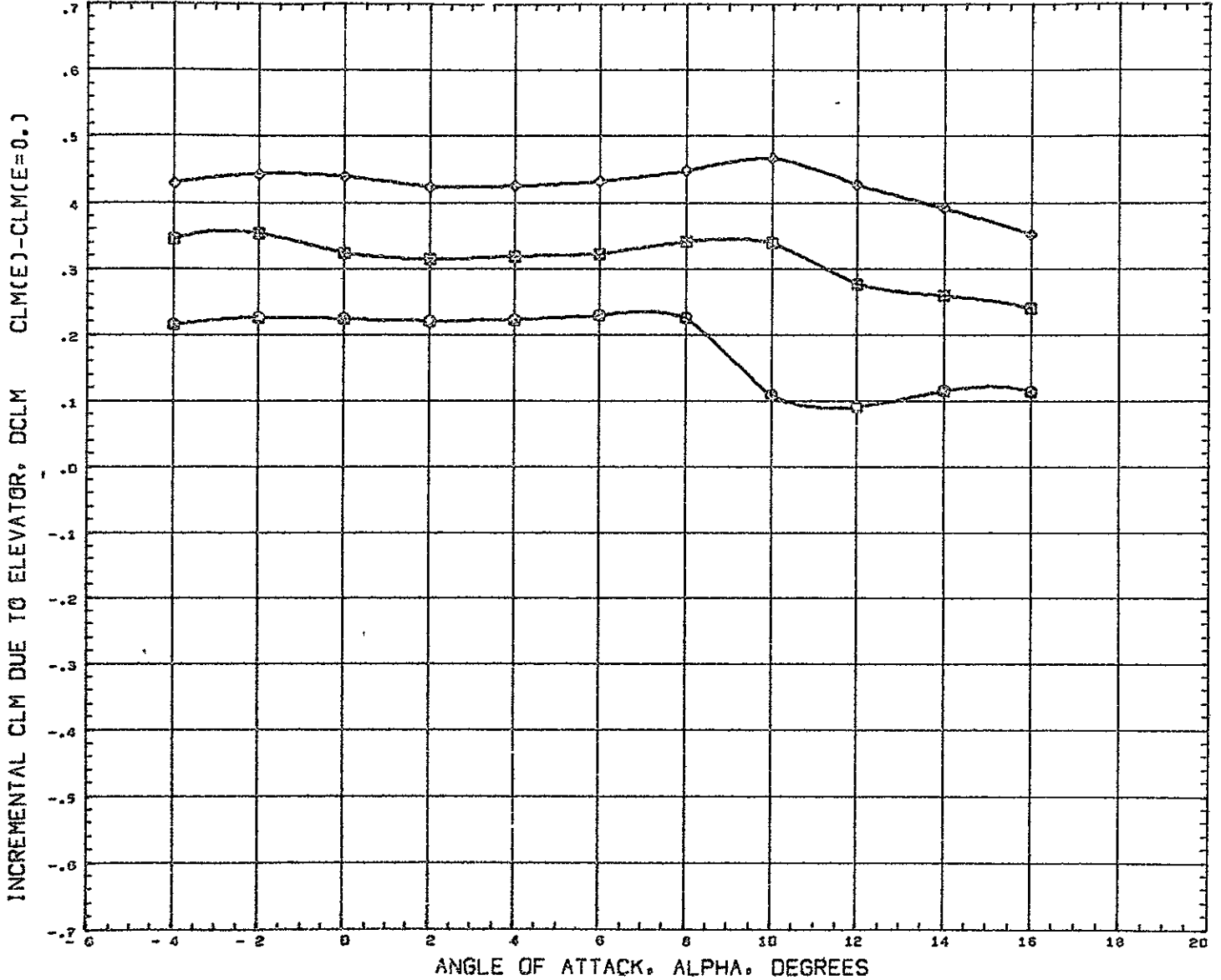
YMRP 0 0000 INCHES

ZMRP 0 3840 INCHES

SCALE 0 0076 SCALE

NACH 0 259

ELEVATOR EFFECTIVENESS

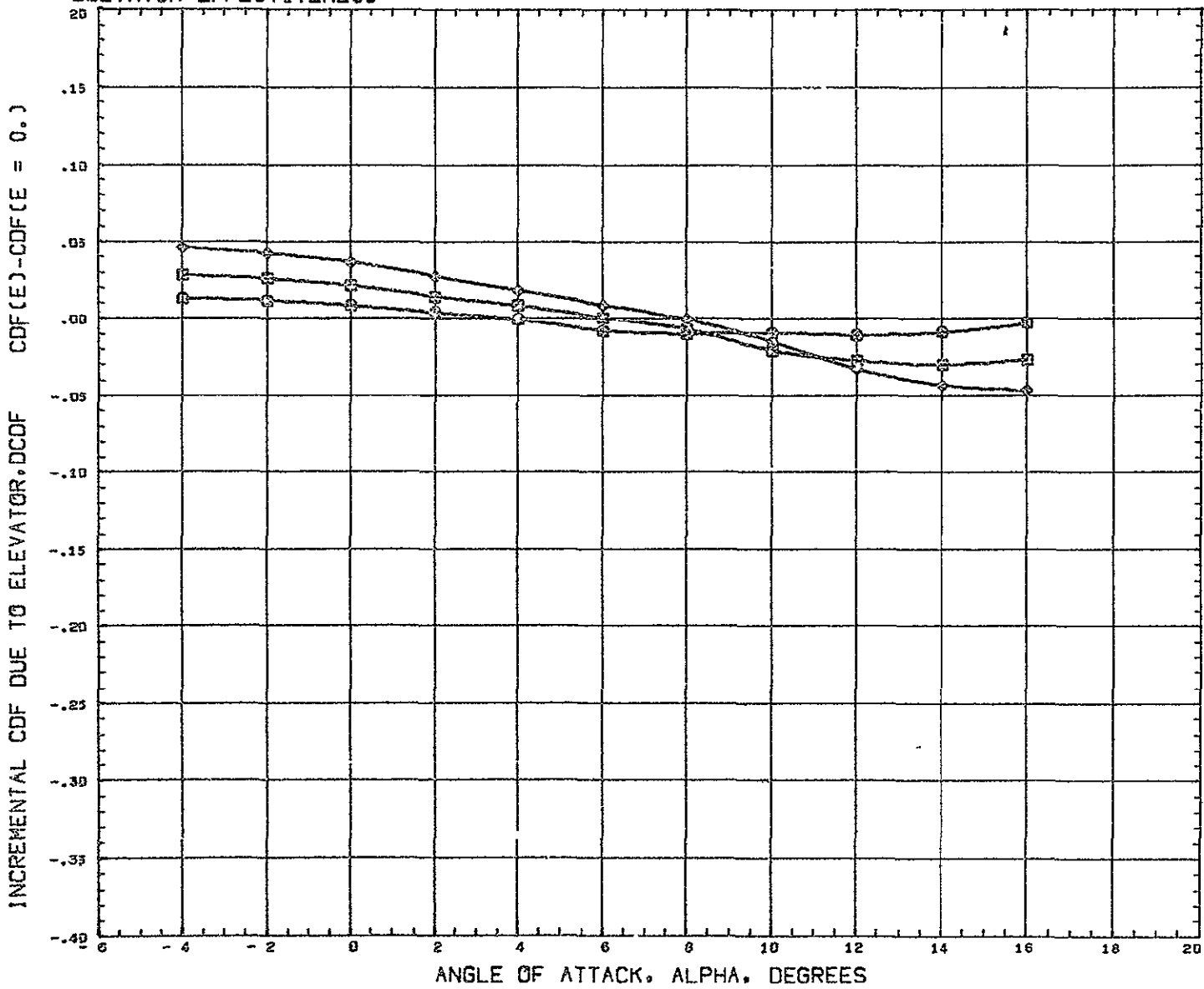


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6041)	HAAL632 SSV-3RT WING B6W10H12E12V5 (C=-10 -E=0)	BETA 0.000	REFS 0 1790 SQ FT
(BC6042)	HAAL632 SSV-3RT WING B6W10H12E12V5 (C=-20 -E=0)		REFL 15 7370 INCHES
(BC6043)	HAAL632 SSV-3RT WING B6W10H12E12V5 (C=-30 -E=0)		REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0.0076 SCALE

MACH 0.259

SECRET

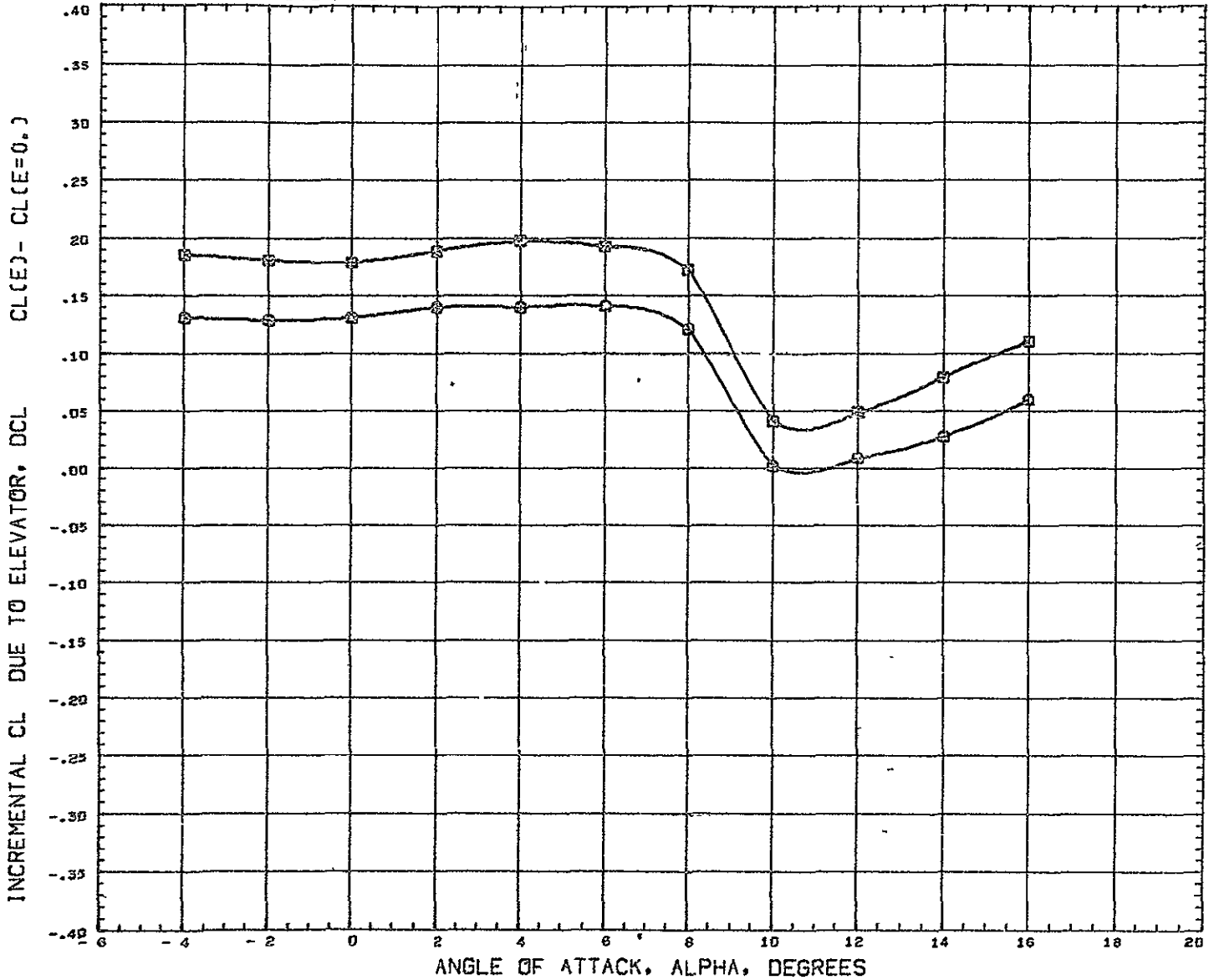
ELEVATOR EFFECTIVENESS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6041)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=-10 -E=0)	BETA 0 000	REFS 0 1790 SQ FT
(BC6042)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=-20 -E=0)		REFL 15 7370 INCHES
(BC6043)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=-30 -E=0)		REFB 11 3390 INCHES
			XHRF 9 8400 INCHES
			ZHRF 0 0000 INCHES
			ZHRF - 0 3810 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

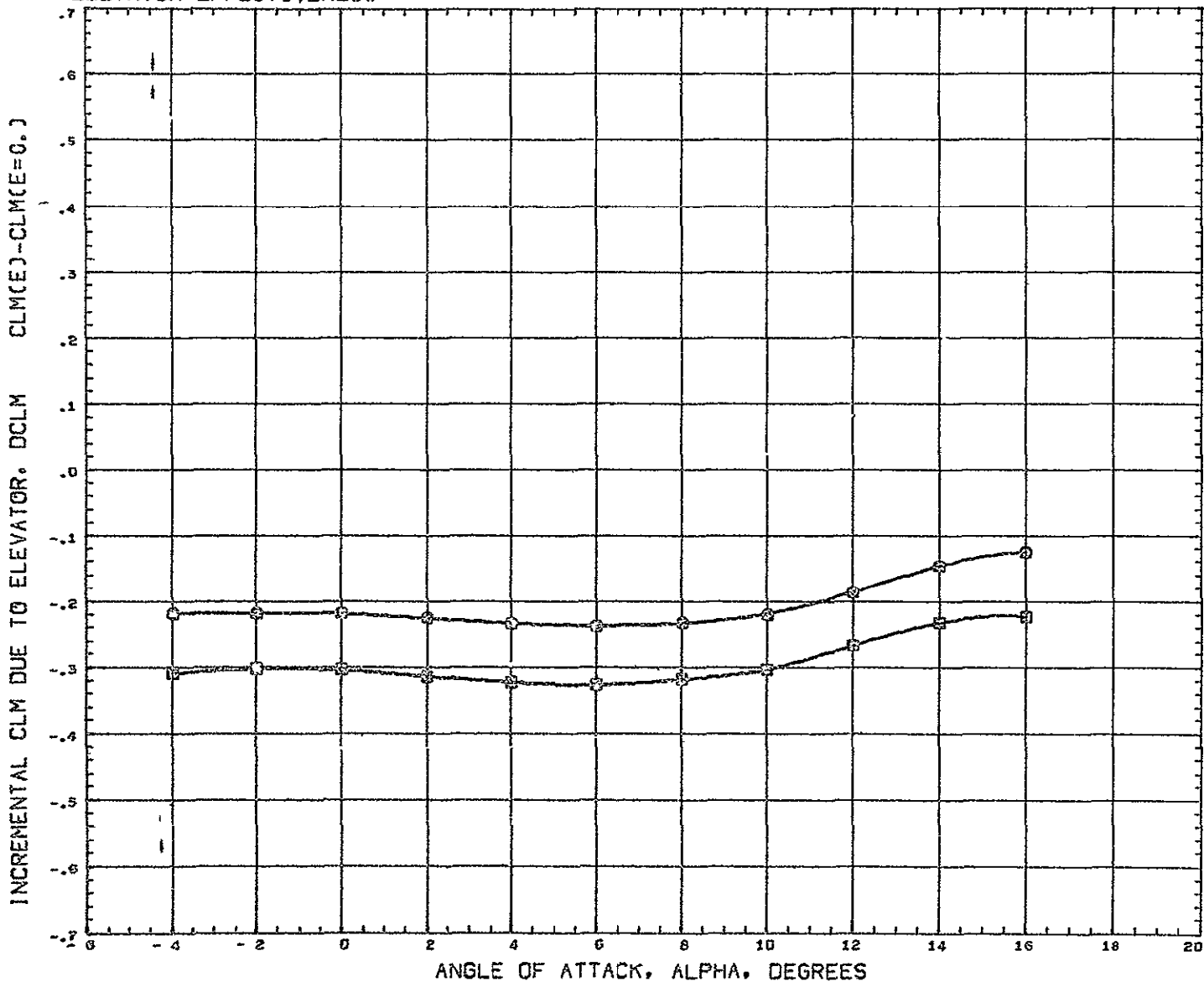
ELEVATOR EFFECTIVENESS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6044)	□ NAAL632 SSV-SPT WING B8W10H12E12V5 (E=10 -E=0)	BETA 0.000	REFS 0 1790 SQ FT
(BC6045)	□ NAAL632 SSV-SRT WING B8W10H12E12V5 (E=20 -E=0)		REFL 15 7370 INCHES
			REFB 11.3390 INCHES
			XNRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

ELEVATOR EFFECTIVENESS



DATA SET SYMBOL CONFIGURATION DESCRIPTION PARAMETRIC VALUES

(BCGD44) ○ NAAL632 SSV-SRT WING B6W1GH12E12V5 (E=10 -E=0) BETA 0 000

(BCGD45) □ NAAL632 SSV-SRT WING B6W1GH12E12V5 (E=20 -E=0)

REFERENCE INFORMATION

REFS 0 1790 0 FT

REFL 15 7370 INCHES

REFB 11 3390 INCHES

XHRF 9 8400 INCHES

YHRF 0 0000 INCHES

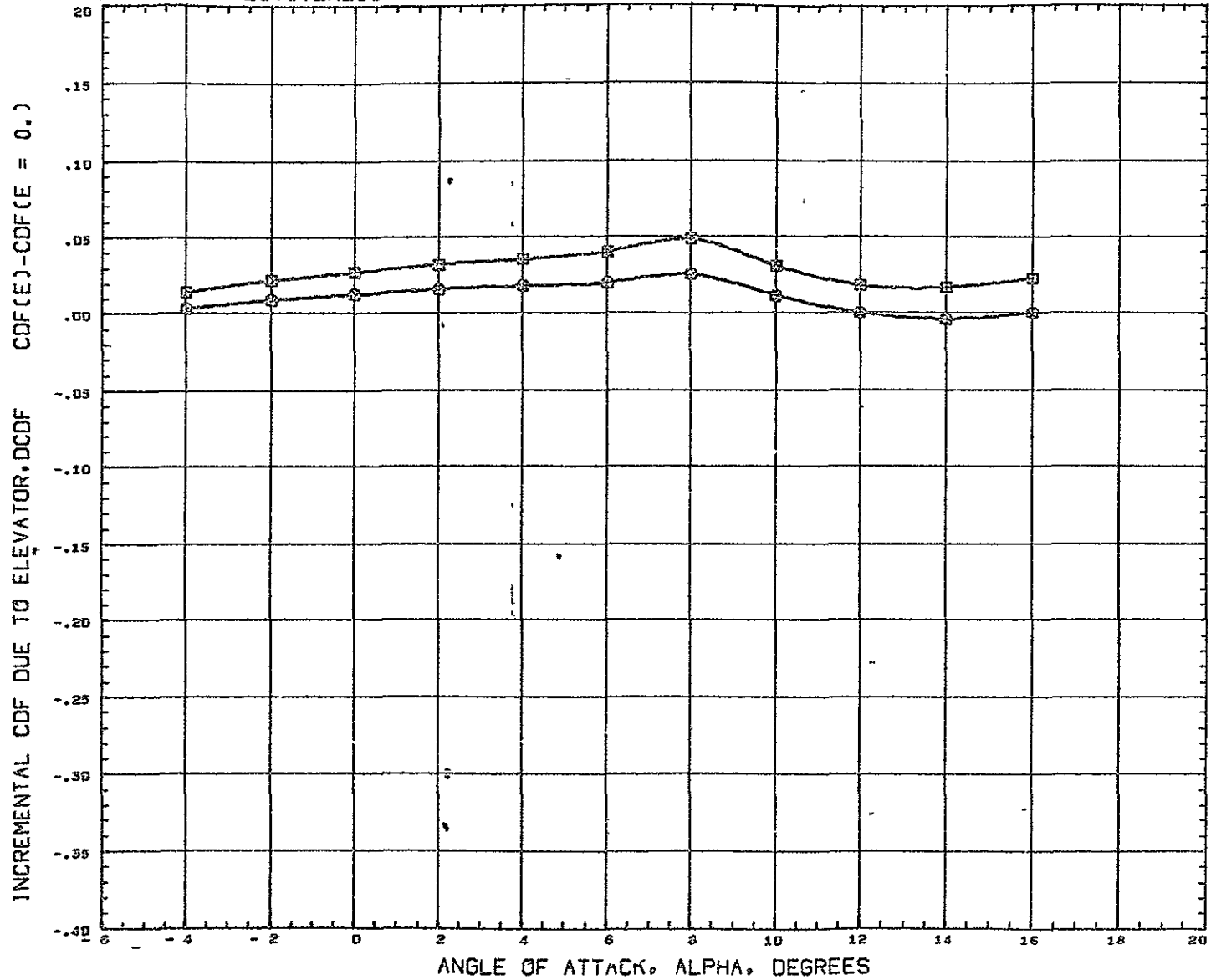
ZHRF 0 3840 INCHES

SCALE 0 0076 SCALE

MACH 0 259

20

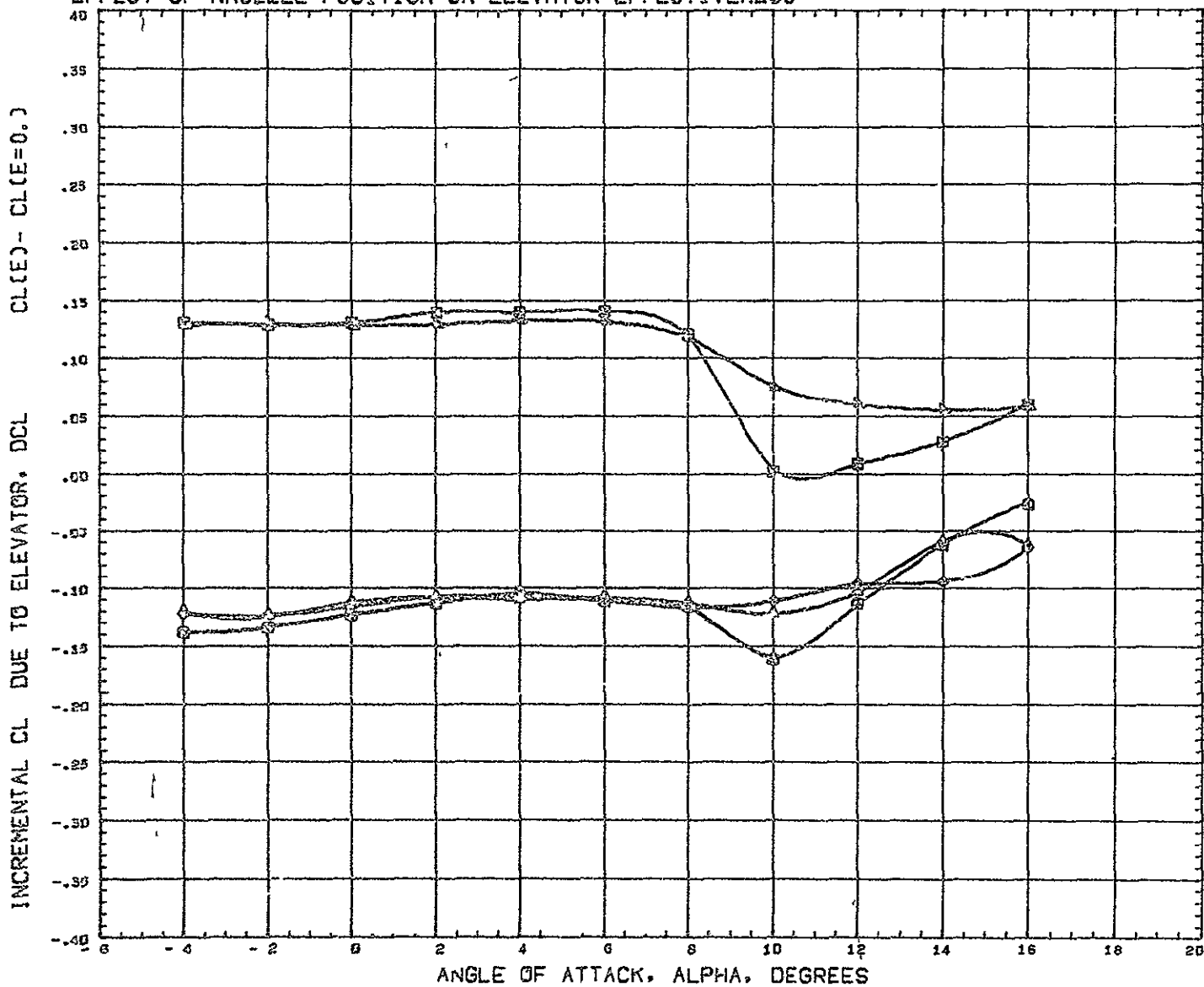
ELEVATOR EFFECTIVENESS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BC6044)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=10.-E=0.)	BETA 0 000	REFS 0 1790 SQ FT
(BC6045)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=20.-E=0.)		REFL 15 7370 INCHES
			REFB 11 3390 INCHES
			XMRP 9 8400 INCHES
			YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

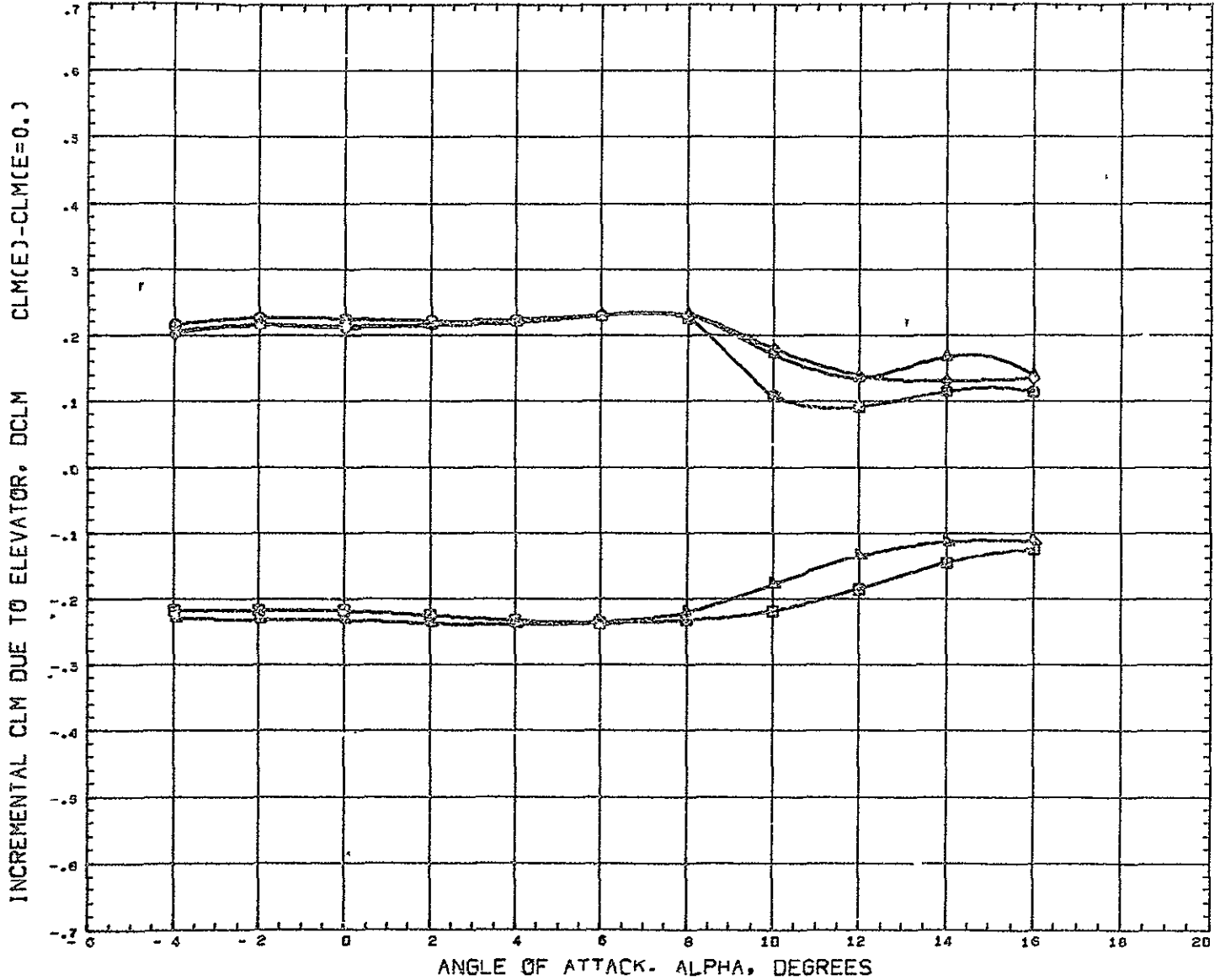
EFFECT OF NACELLE POSITION ON ELEVATOR EFFECTIVENESS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BCG045)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=-10, -E=0)	BETA 0 000	REFS 0 1790 SQ FT.
(BCG047)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=10, -E=0)		REFL 15 7370 INCHES
(BCG048)	NAAL632 SSV-SRT WING B6W10H12E12V5H6 (E=-10, -E=0)		REFB 11 3390 INCHES
(BCG049)	NAAL632 SSV-SRT WING B6W10H12E12V5N (E=-10, -E=0)		XHRP 9 8400 INCHES
(BCG050)	NAAL632 SSV-SRT WING B6W10H12E12V5N1 (E=10, -E=0)		YHRP 0 0000 INCHES
			ZHRP 0 3840 INCHES
			SCALE 0 0076 SCALE

HACH 0.259

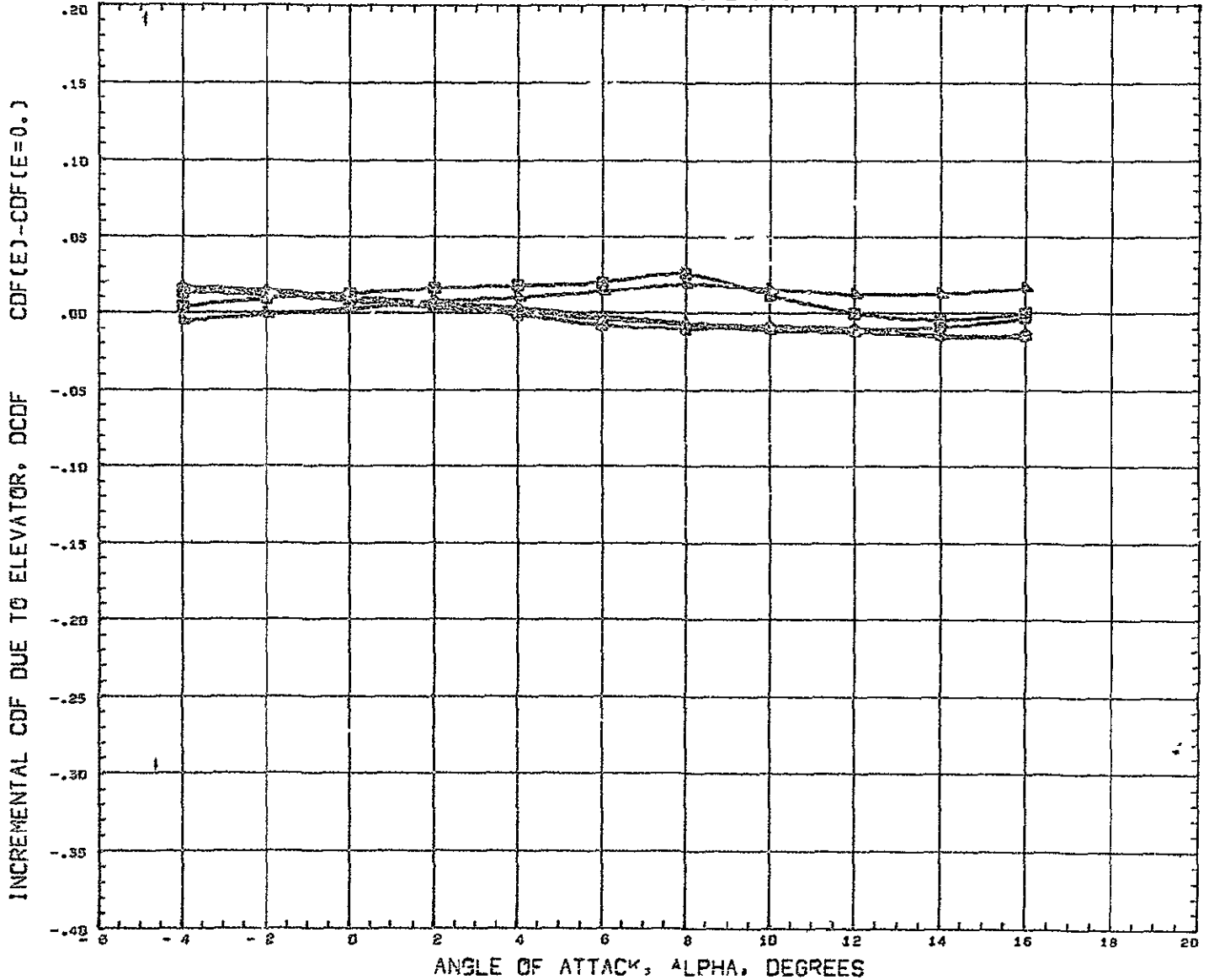
EFFECT OF NACELLE POSITION ON ELEVATOR EFFECTIVENESS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BCG046)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=-10 -E=0.)	BETA 0 000	REFS 0 1790 SQ FT
(BCG047)	NAAL632 SSV-SRT WING B6W10H12E12V5 (E=10 -E=0)		REFL 15 7370 INCHES
(BCG048)	NAAL632 SSV-SRT WING B6W10H12E12V5HG (E=-10, -E=0)		REFB 11 3390 INCHES
(BCG049)	NAAL632 SSV-SRT WING B6W10H12E12V5N1 (E=-10, -E=0)		XHRF 9 8400 INCHES
(BCG050)	NAAL632 SSV-SRT WING B6W10H12E12V5N1 (E=10 -E=0)		YHRF 0 0000 INCHES
			ZHRF - 0 3840 INCHES
			SCALE 0 0076 SCALE

MACH 0.259

EFFECT OF NACELLE POSITION ON ELEVATOR EFFECTIVENESS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES	REFERENCE INFORMATION
(BCG016)	NAAL632 SSV-SRT WING B6W1DH12E12V5 (E=-10 -E=0.)	BETA 0 000	REFS 0 1790 SQ FT
(BCG047)	NAAL632 SSV-SRT WING B6W1DH12E12V5 (E=10 -E=0.)		REFL 15.7370 INCHES
(BCG048)	NAAL632 SSV-SRT WING B6W1DH12E12V5H6 (E=-10 -E=0)		REFB 11.3390 INCHES
(BCG089)	NAAL632 SSV-SRT WING B6W1D412E12V5N1 (E=-10 -E=0)		XMRP 9 8400 INCHES
(BCG090)	NAAL632 SSV-SRT WING B6W1DH12E12V5N1 (E=10 -E=0)		YMRP 0 0000 INCHES
			ZMRP 0 3840 INCHES
			SCALE 0 0076 SCALE

NACH 0.259

GOVERNMENT FIELD PRINTING PLANT
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