

Engineering Dynamics

RUN NUMBER: 791-24

DATE 01/20/99

TYPE OF TEST: Free Rolling Cornering

Data Filters: 10 Hz

TIRE:

ROAD SURFACE:

TIRF Tire Number: 791tire12

Dry S/N: -

Construction Code: New

Wet S/N: -

Description: [REDACTED]

Water Depth (in): 0.00

Size: [REDACTED]

Rim Width (in): 6.5

NOMINAL VALUES OF TEST PARAMETERS

1. Velocity (mph)	60, 30
2. Slip Ratio	Free Roll
3. Slip Angle (deg)	-3 → 15 → -15 → 2
4. Slip Angle Rate (deg/sec)	2
5. Inclination Angle (deg)	0, 3
6. Vertical Load (lbs)	3650, 3042, 1521
7. Inflation Pressure (psi)	80 Regulated

NOTES AND COMMENTS

— Warm-Up: 5min, 60mph and 1 conditioning

V = 60 mph : IA = 0 deg

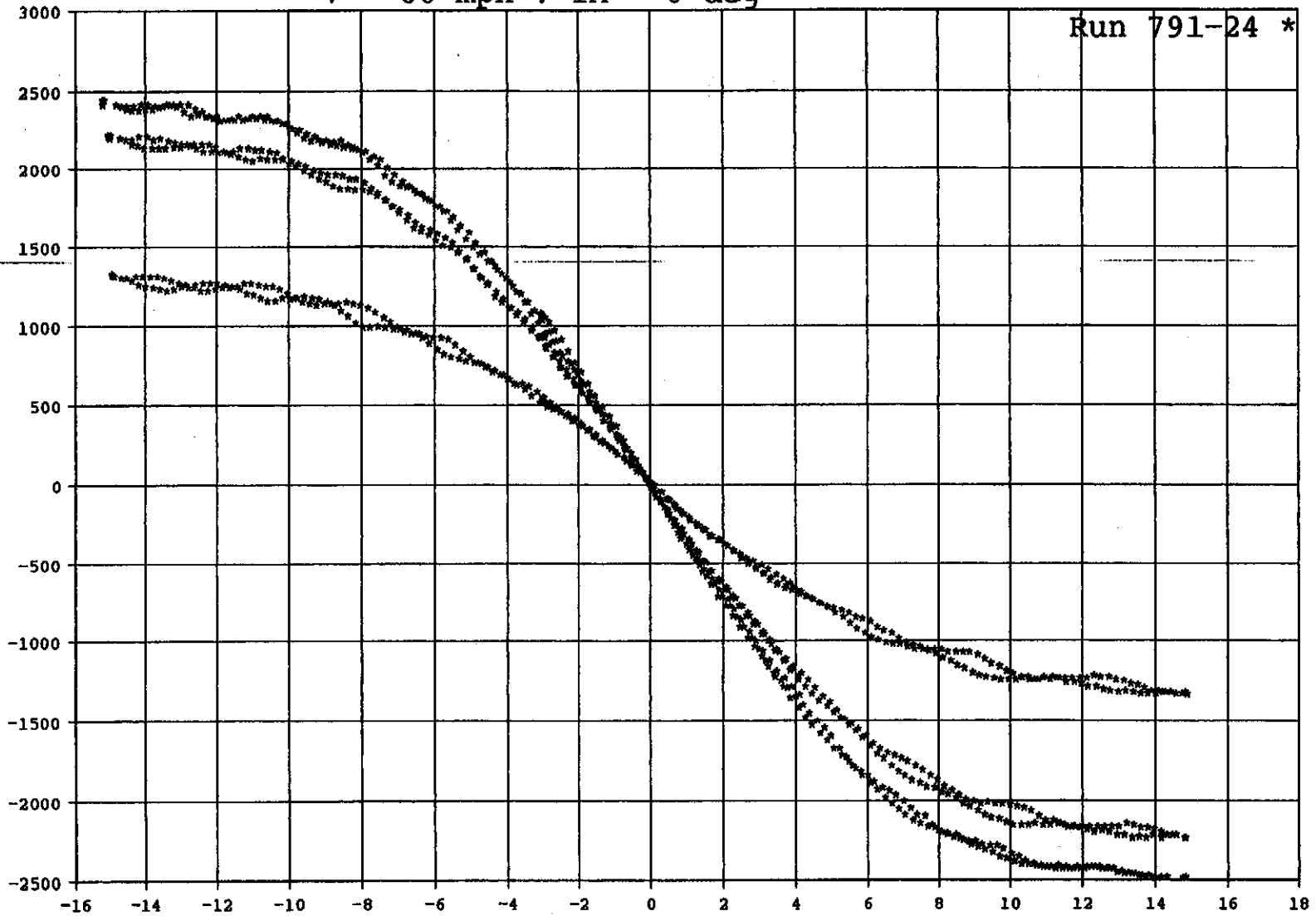
Run 791-24 *

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Slip Angle in Degrees

Engineering Dynamics

V = 60 mph : IA = 0 deg

Run 791-24 *

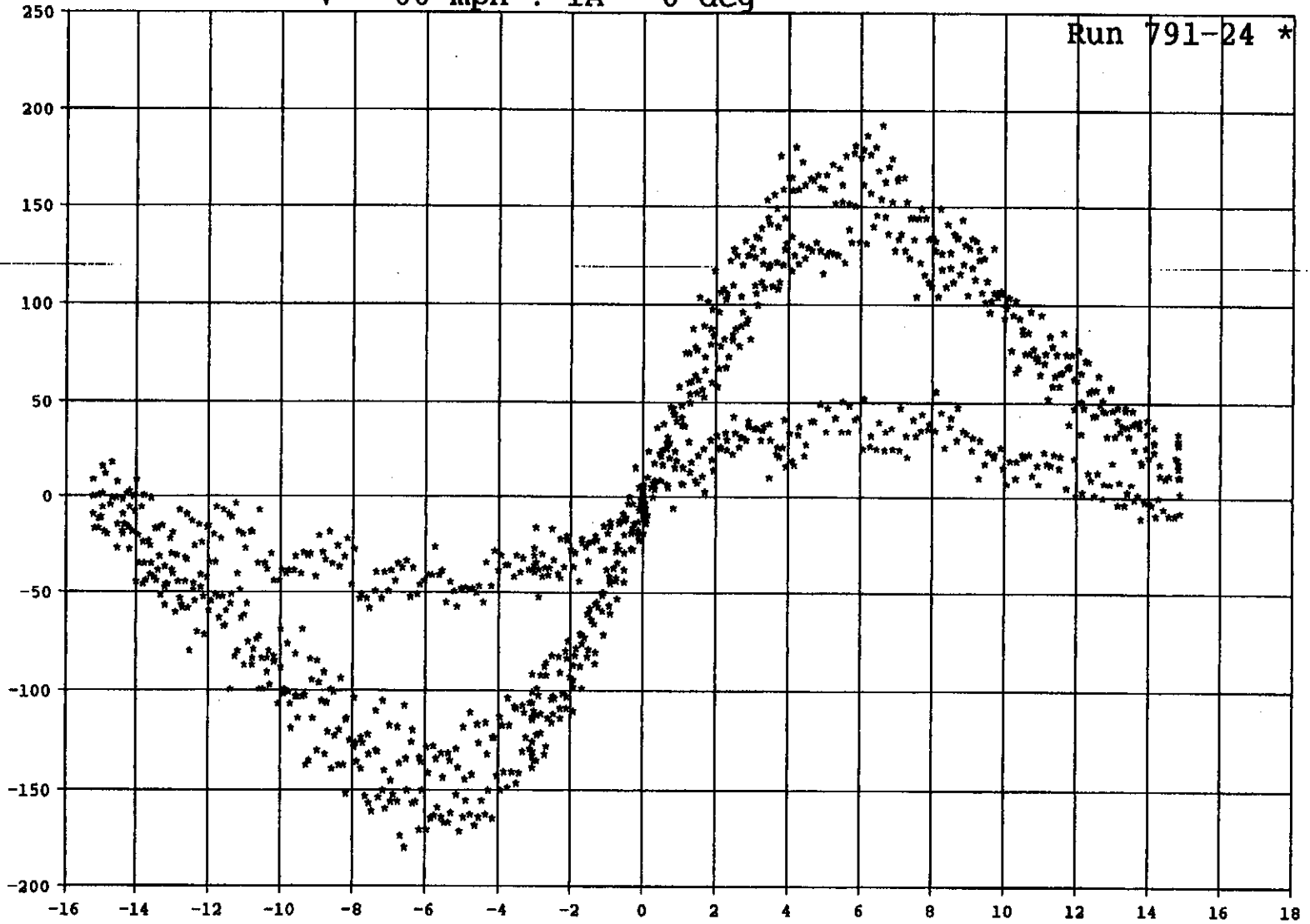
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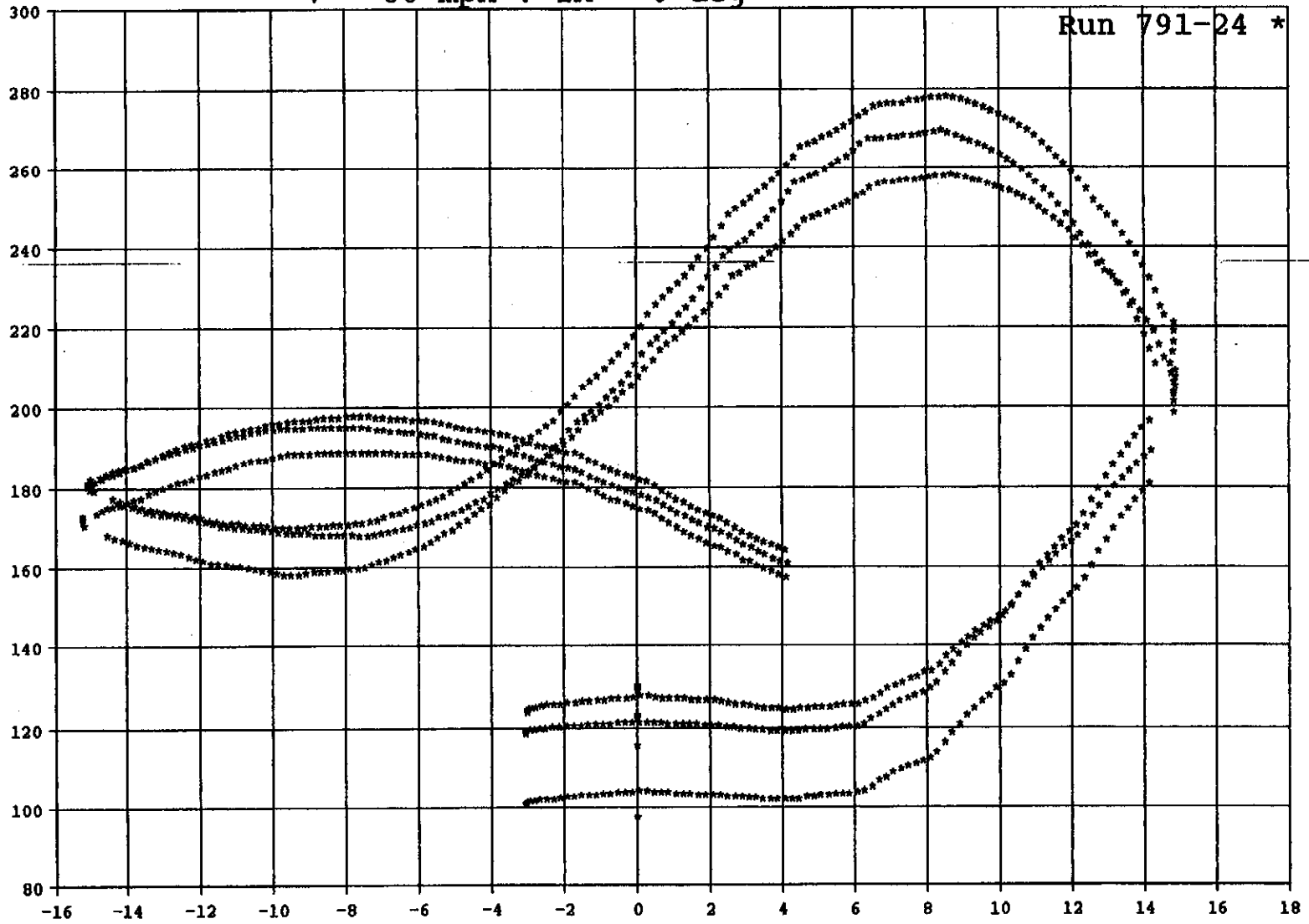
Slip Angle in Degrees

Engineering Dynamics

V = 60 mph : IA = 0 deg

Run 791-24 *

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Slip Angle in Degrees
Engineering Dynamics

V = 60 mph : IA = 0 deg

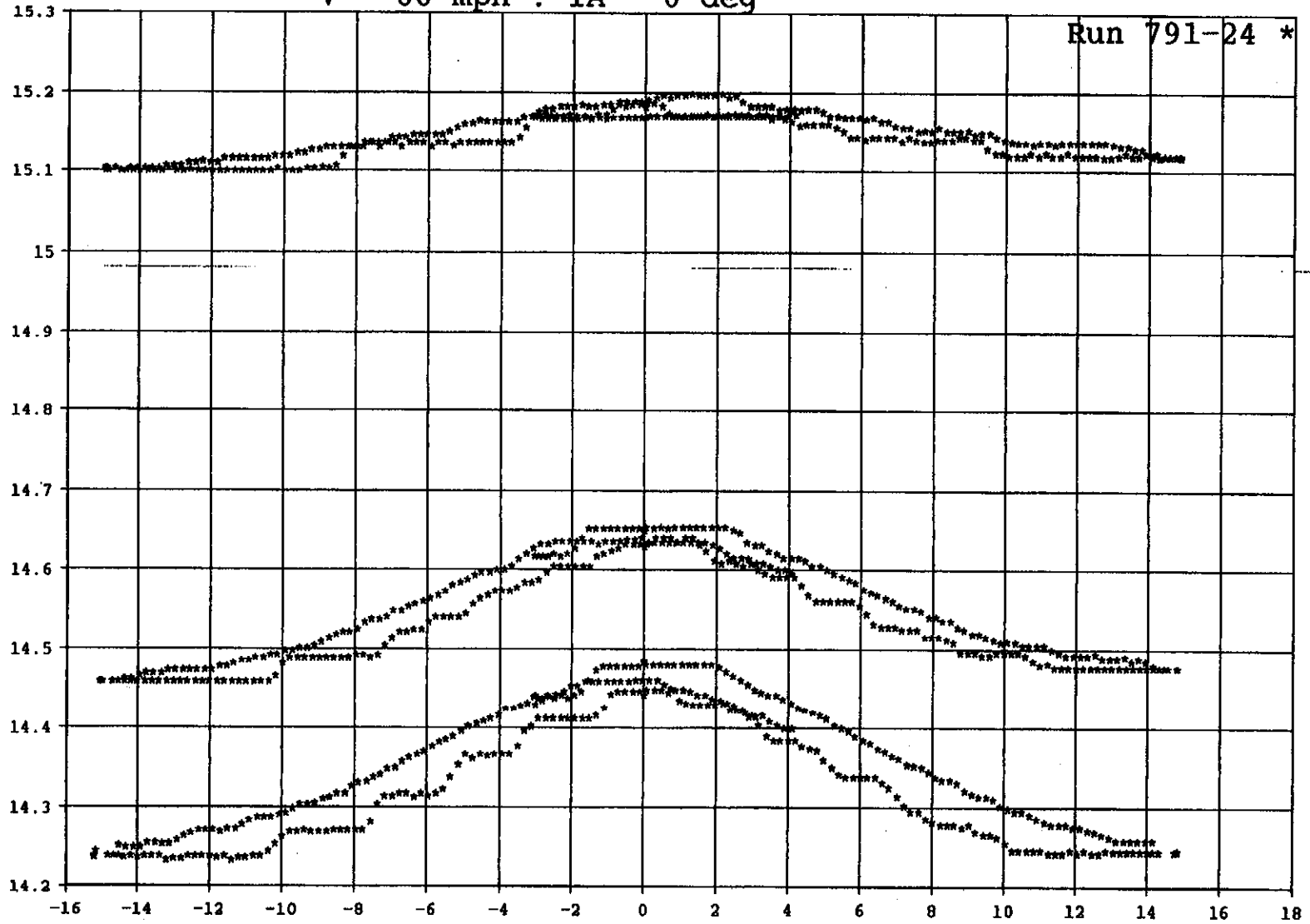
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Slip Angle in Degrees

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V = 30 mph : IA = 0 deg

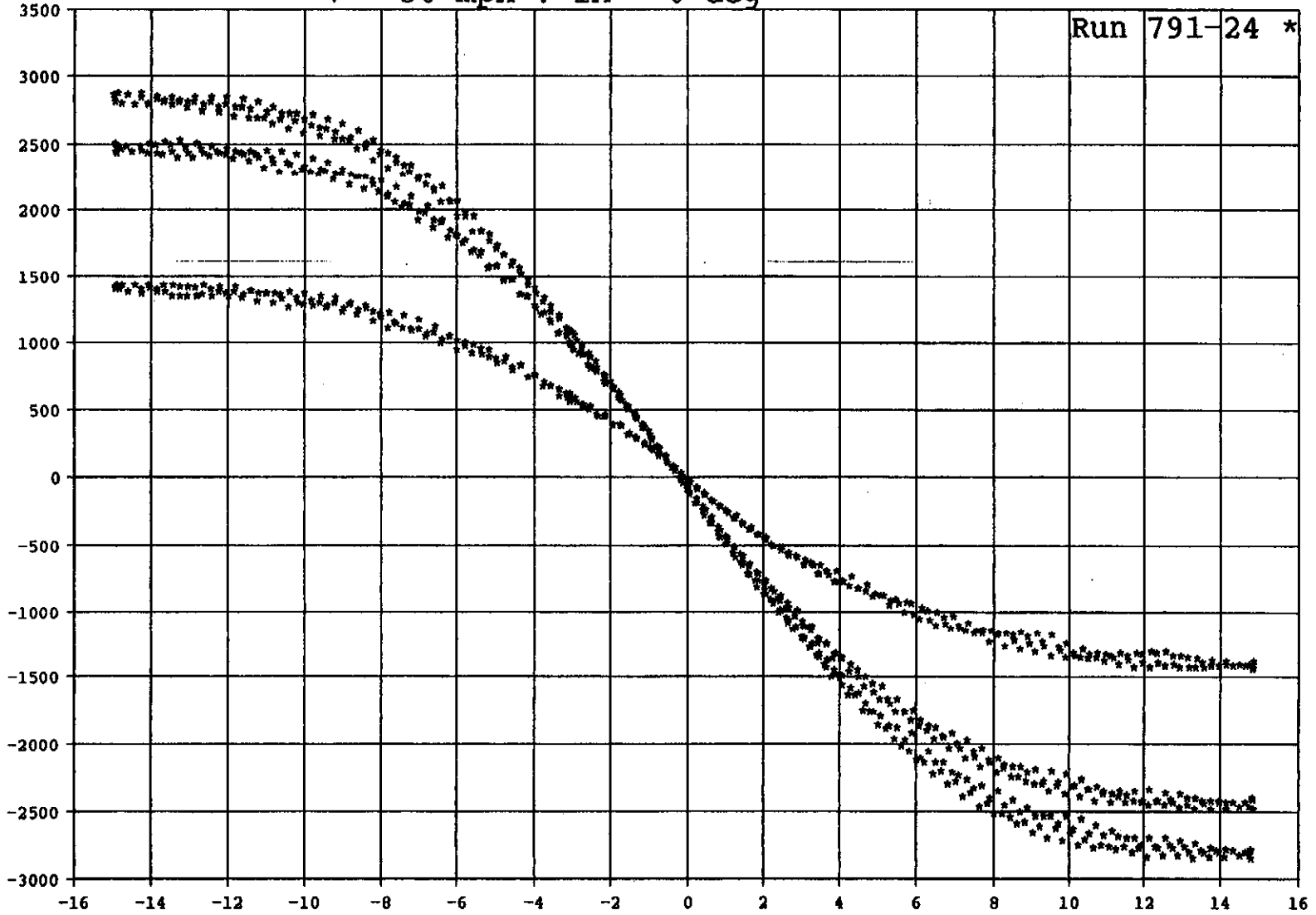
Run 791-24 *

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Slip Angle in Degrees

Engineering Dynamics

V = 30 mph : IA = 0 deg

Run 791-24 *

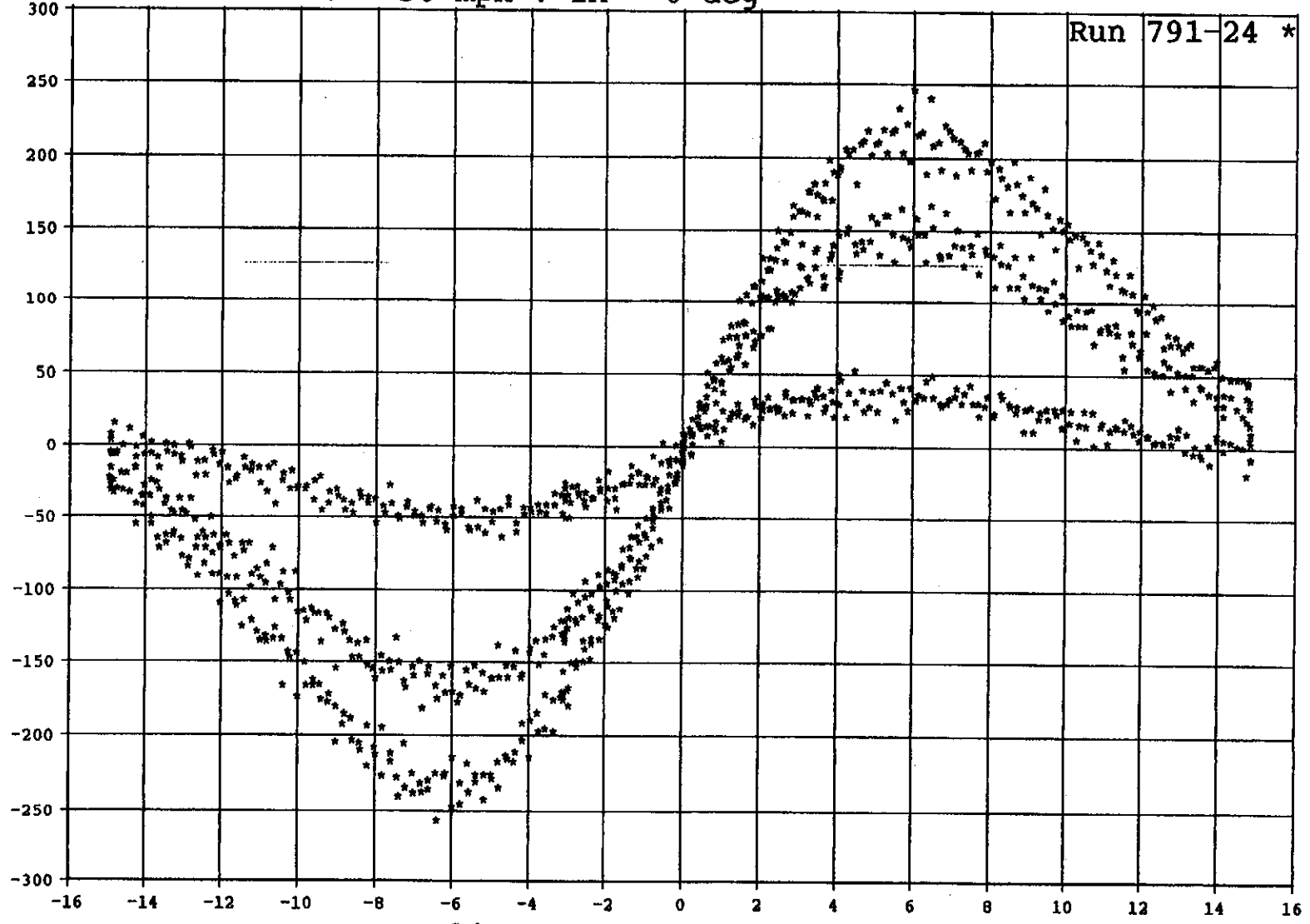
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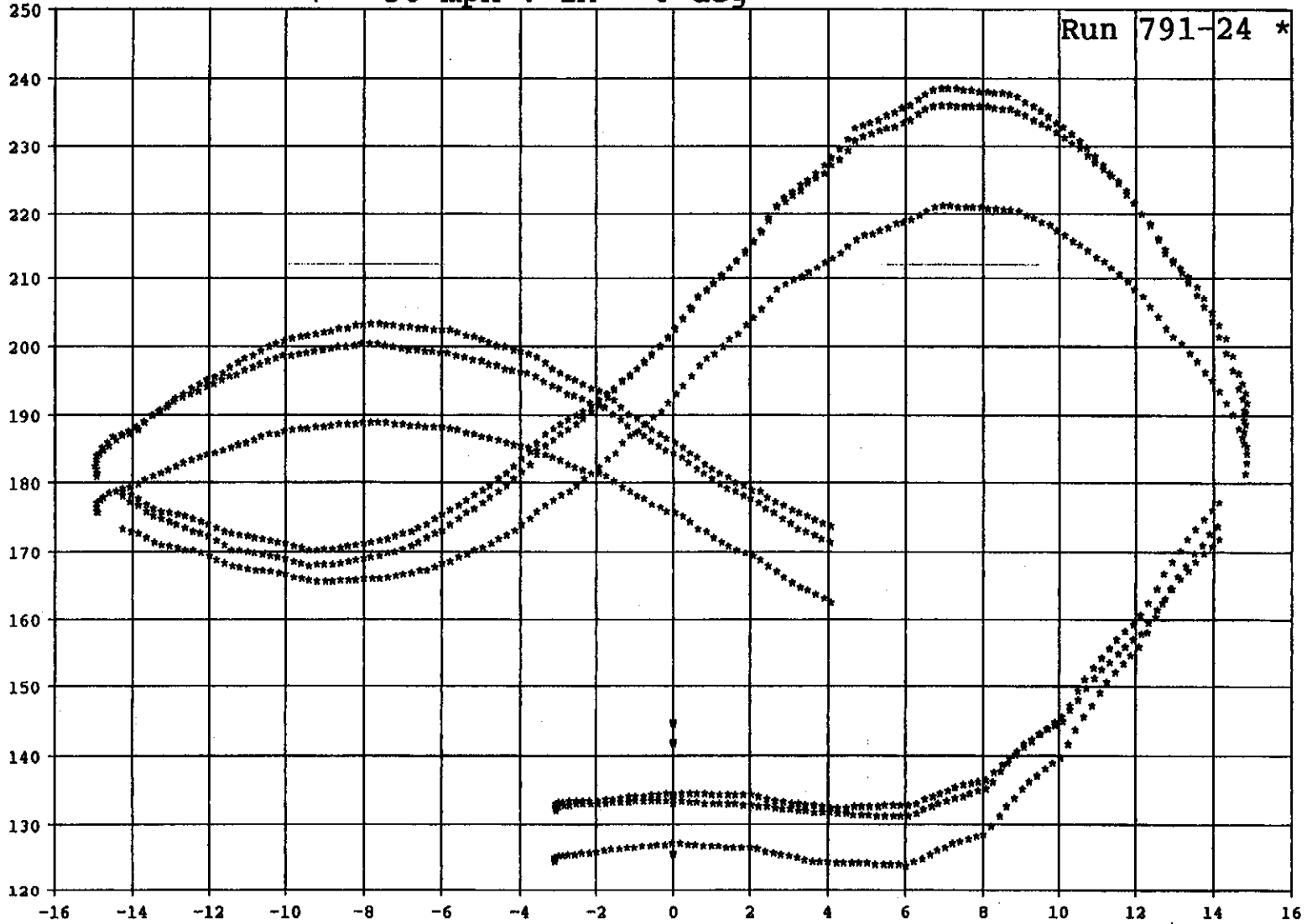
Slip Angle in Degrees

Engineering Dynamics

V = 30 mph : IA = 0 deg

Run 791-24 *

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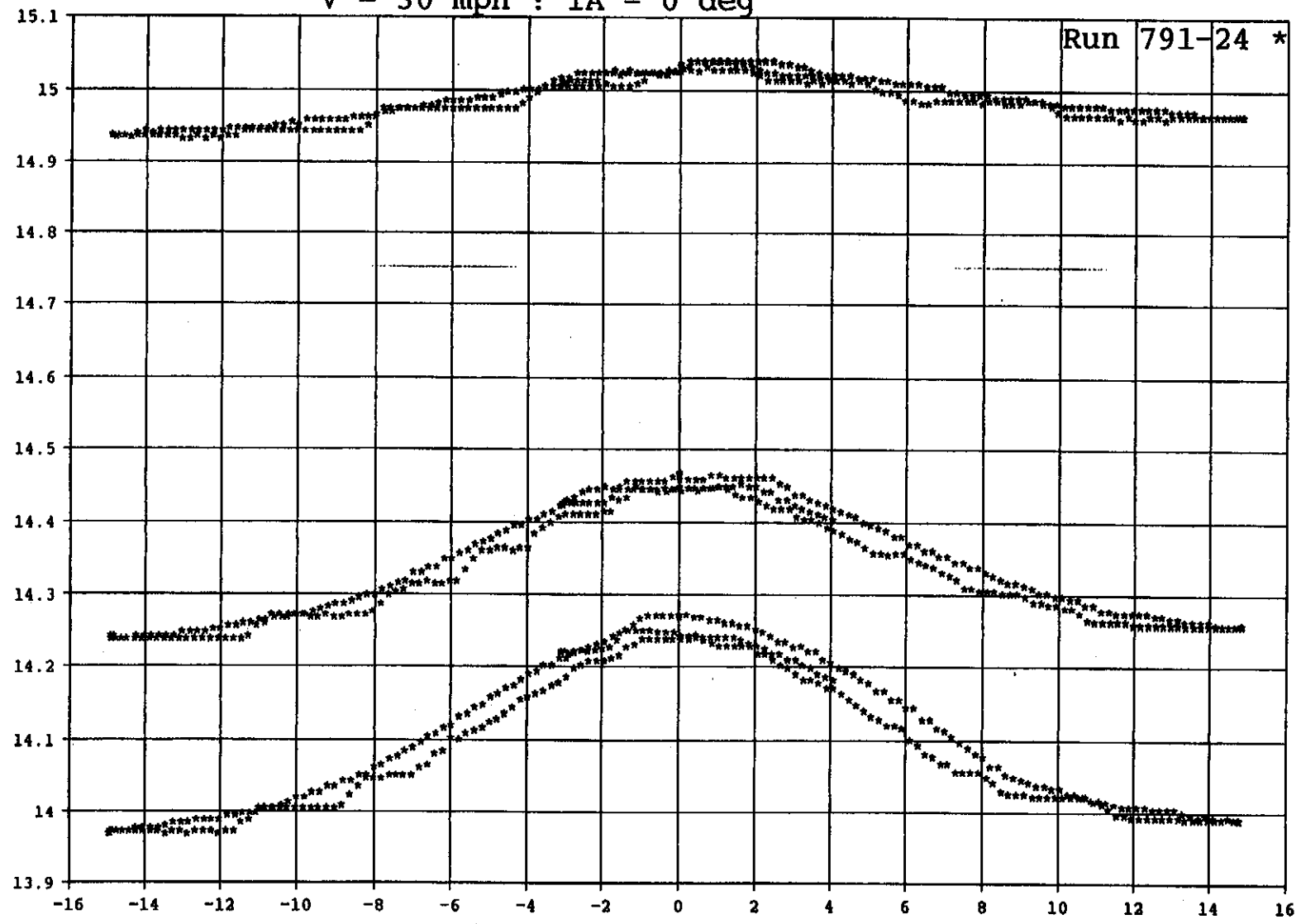


Slip Angle in Degrees
Engineering Dynamics

V = 30 mph : IA = 0 deg

Run 791-24 *

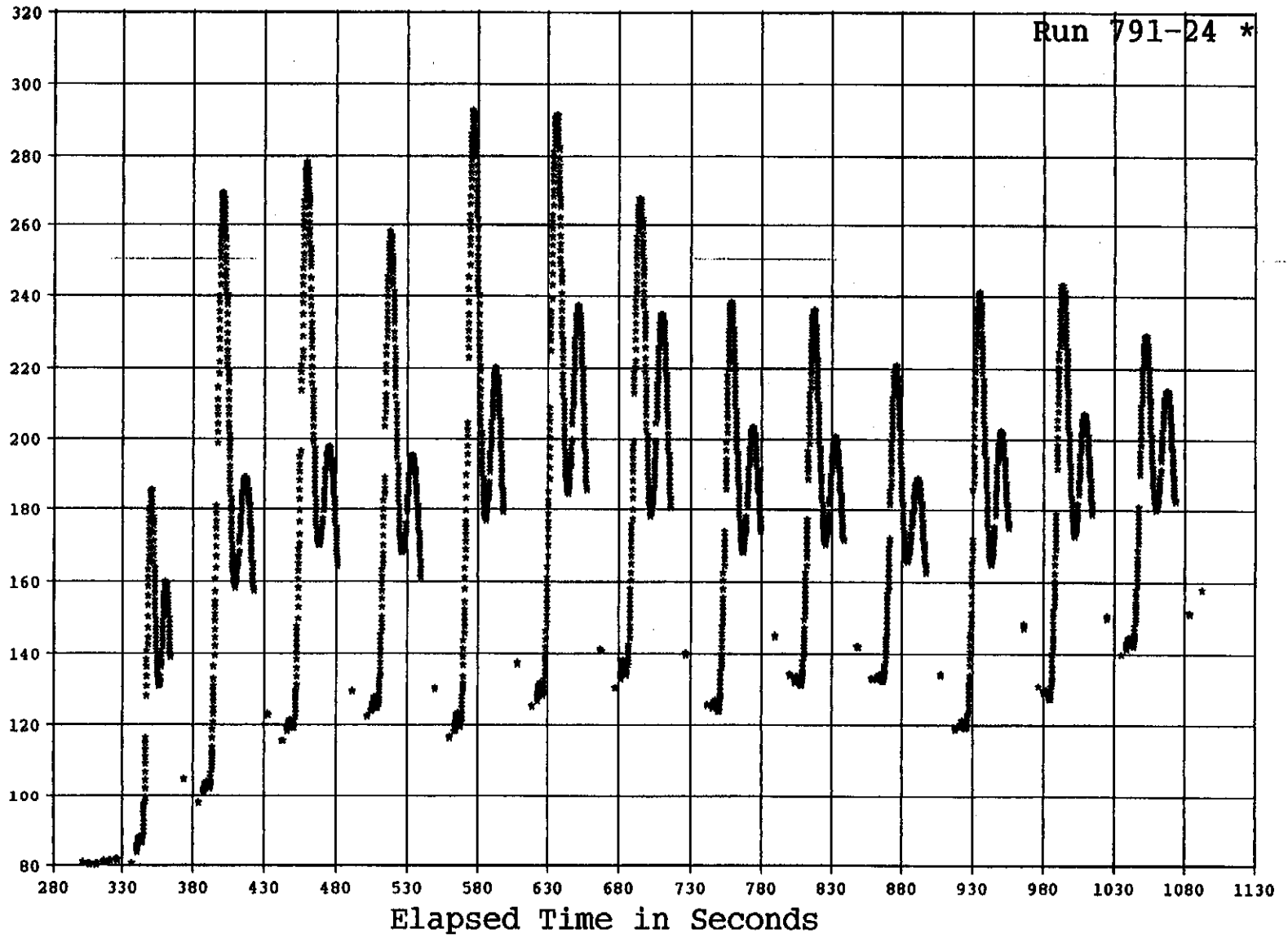
Loaded Radius in Inches



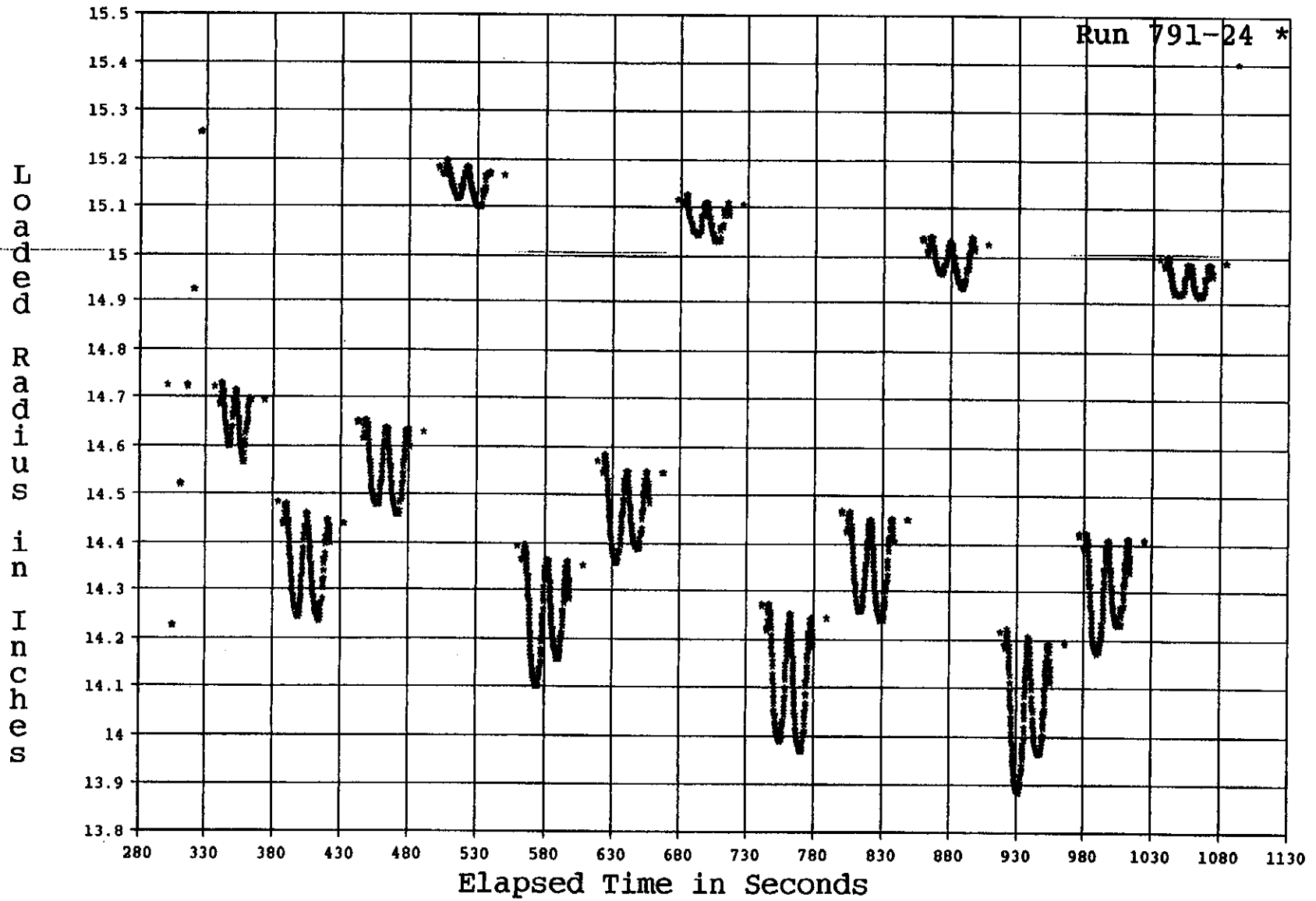
Slip Angle in Degrees

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