Name / Model & date of manufacture
General Dynamics (Convair) F-106B Delta Dart
SN 57-2516 manufactured 1957  Total time:1540 hr

Date airplane came to Langley
January 29,1979

Brief description of airplane
Single-engine, supersonic, all-weather interceptor

Key characteristics:
Engine                Pratt & Whitney J75-P17, 24,500 lb ST
Max weight            43,500 lb (19 772 kg)
Max payload           2900 lb (1318 kg)
Wing span             38.3 ft (11.7m)
Min speed             130  kt
Max speed             1320 kt/Mach 2 @ 40,000 ft (12 190 m)
Ceiling               50,000 ft (15 000 m)
Max range             800 nm (1480 km)

Previous research program uses
1979-1986 Storm Hazards Research
1985 Off-Surface Flow Visualization System

Current research use
1986- present Vortex Flap Flight Experiment
Validate aerodynamic characteristics and design method
for wing leading-edge vortex flap

Contacts:
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Photo of Airplane & photo No.
L-88-8180 left, rear quarter view with vortex flap
L-90-7434 left side view with flow vis system & F5F

Revision date: 10/24/90