

SHUTTLE SERIES  
TEIXEIRA DOCUMENTS

These documents consist of charts, memoranda, notes, drawings, graphs and reports from C. Teixeira who, in the time period covered by these documents, was an engineer in the Engineering Analysis Division, the Integrated Flight Analysis Branch, the Integrated Entry Analysis Branch, and the Systems Integration Branch. The files cover the period between 1977 and 1982. They consist of 4 1/2 linear feet of documentation. The original order in which the documents were received has been retained.

Box\_1

Ascent Aero

1980-81

Ascent Aerodynamics (2 folders)

Flume Aero

Post STS-1 Aero

STS-1/156" Aero Base

Box\_2

Miscellaneous Aero Documents

Box\_3

Base Force Evaluation - Shuttle

Base Force FTR

Effect of Premature 2nd Stage Throttling on OFT Ascent

HM Issue 1980

MCR 0200 Memos & Presentations (2 folders)

Power-on Data UDS (incl. baseforce)

Sonic Boom

SSME Out

Box\_4

1 SSME Out Ascent

SSME Out - Control Authority

STS\_1 Documents

Teixeira Systems Review, Ascent Performance

Teixeira OFT-1 Q Max Reduction via SRM

Burn Rate Reduction

OFT E&D Staff Reviews

RI Weekly Status (Aero/Surber)

Angle of Attack/Sideslip for OFT-1

STS-1 Post Flight Aero Analysis

OFT-1 Margin Assessment

STS-1 Base Force

Box\_5

STS-1 Flight Results / Reports

Aerodynamic Reference Data

Flight Evaluation MER Requirements

STS-1 Integrated Systems Evaluation, Final Report

STS-1 Post Flight Aero Loads

STS-1 Miscellaneous Data

Box\_6

STS-1 Miscellaneous Data

STS-2

Aerodynamic Data

Performance / Winds

Box\_7

STS-2 Integrates System Evaluations  
Ascent STS-2 60 Day Flight Analysis Report  
STS-2 Aerodynamic Reference Data  
STS-2 Results / Status Reports  
Post STS-2 Aero Review Meeting

Box\_8

STS-2 Integrated Systems Evaluation, Final Report  
STS-3  
STS-3 Integrated Systems Final Report  
STS-3 Integrated Systems Evaluation Quick Look Reports  
STS-3 Reports  
STS-4  
Mission Report  
STS-4 Integrated Systems Quick Look Report  
STS-5  
Integrated Systems Quick-Look Report  
Miscellaneous  
BET (Best Estimate Trajectory) Memos  
Aero Verification Plan

Box\_9

BET Data Requirements Document  
Miscellaneous Charts & Graphs  
Crew Safety Panel Minutes  
EX4 Flight Analysis  
STS-X Data Requests

rev. 7/20/88