

## **Mirage-III E**

### **DASSAULT AVIATION**

### **(SNECMA ATAR-9C)**

CAUTION STATEMENT : This document is to be use only for simulation. Do not try to apply the procedures and or advices contained in it if you have the opportunity to fly this plane in real life. By the way, if you had (or still have) flew this aircraft, your comments, criticism and more are welcome

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# Level Flight Envelope

# Level Flight Envelope

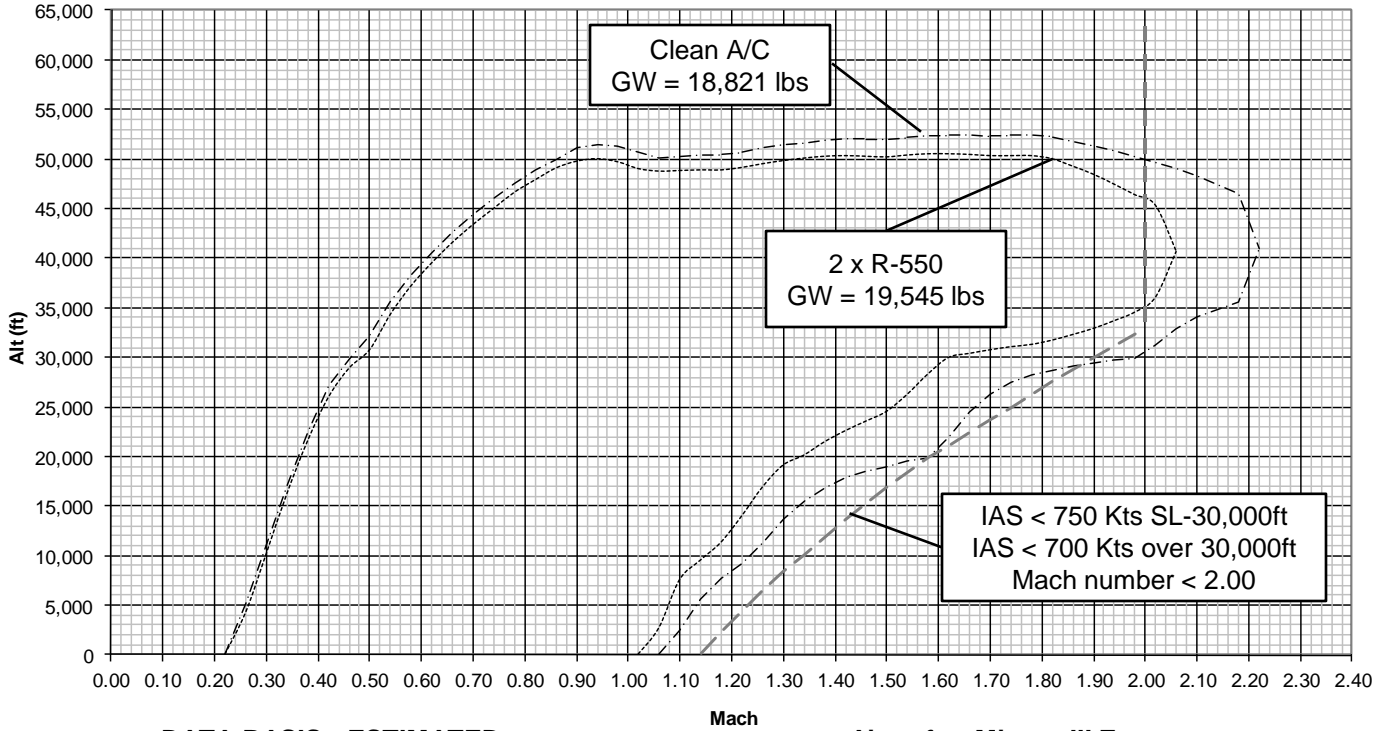
**DATA BASIS : ESTIMATED**

**CONDITIONS:**

- Standard Day
- Max AB

**Aircraft : Mirage-III E**

**Engine :SNECMA ATAR-9C**



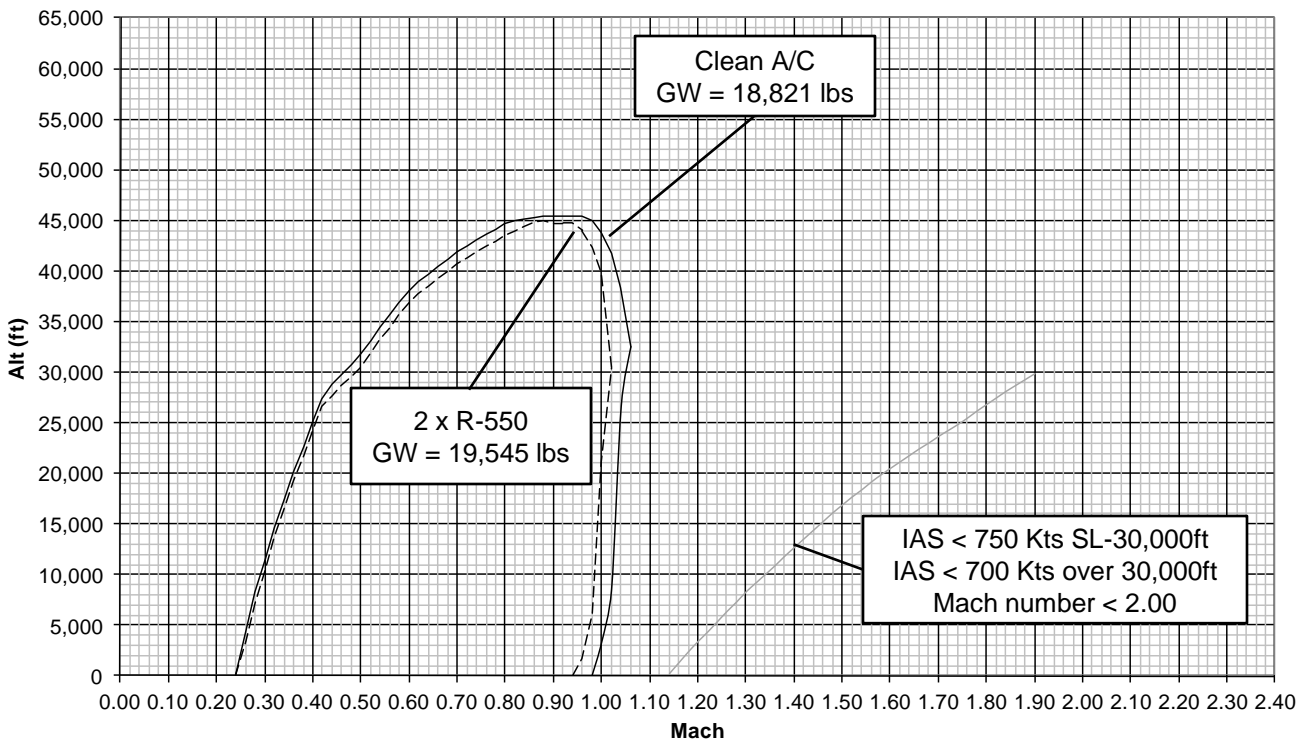
**DATA BASIS : ESTIMATED**

**CONDITIONS:**

- Standard Day
- MILL Power

**Aircraft : Mirage-III E**

**Engine :SNECMA ATAR-9C**



# Turn Performance

**Aircraft : Mirage-III E**

**Engine :SNECMA ATAR-9C**

**CONFIGURATIONS :**

- DRAG INDEX = 20 (2xR-550)**
- 50% internal fuel**
- GW= 19,545 lbs / 8,850 Kg**

# Turn Rate – Summary

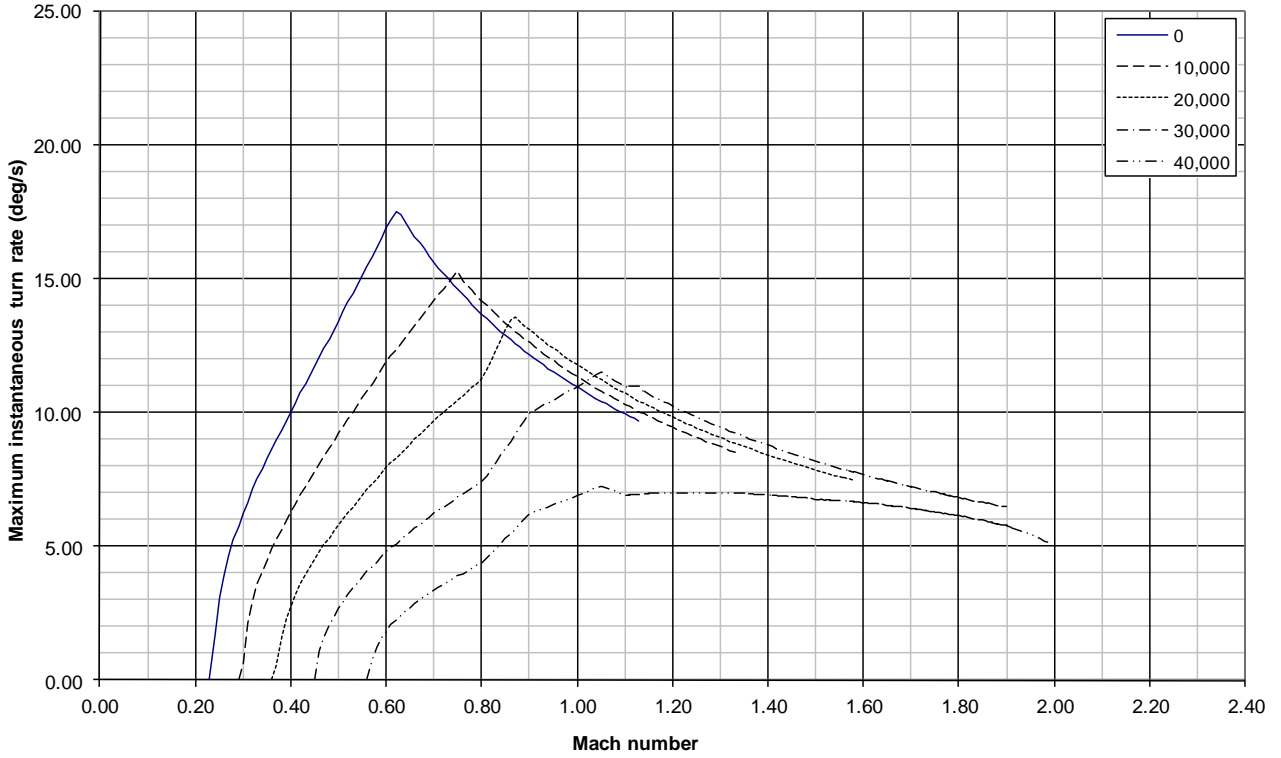
**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

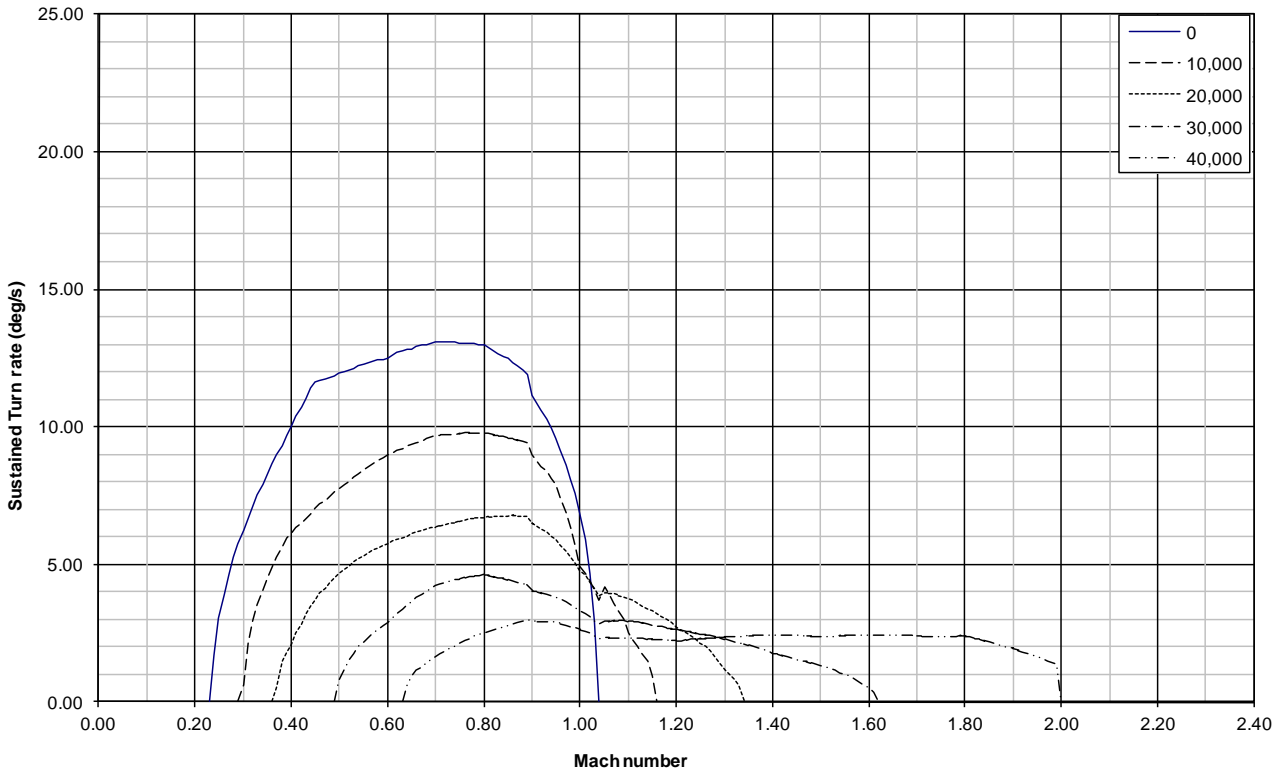
**CONDITIONS:**  
 •Standard Day  
 •Max AB

**CONFIGURATIONS :**  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs

**Maximum Available Turn Rate**



**Maximum Sustained Turn rate (deg/s)**



# Load Factor – Summary

**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

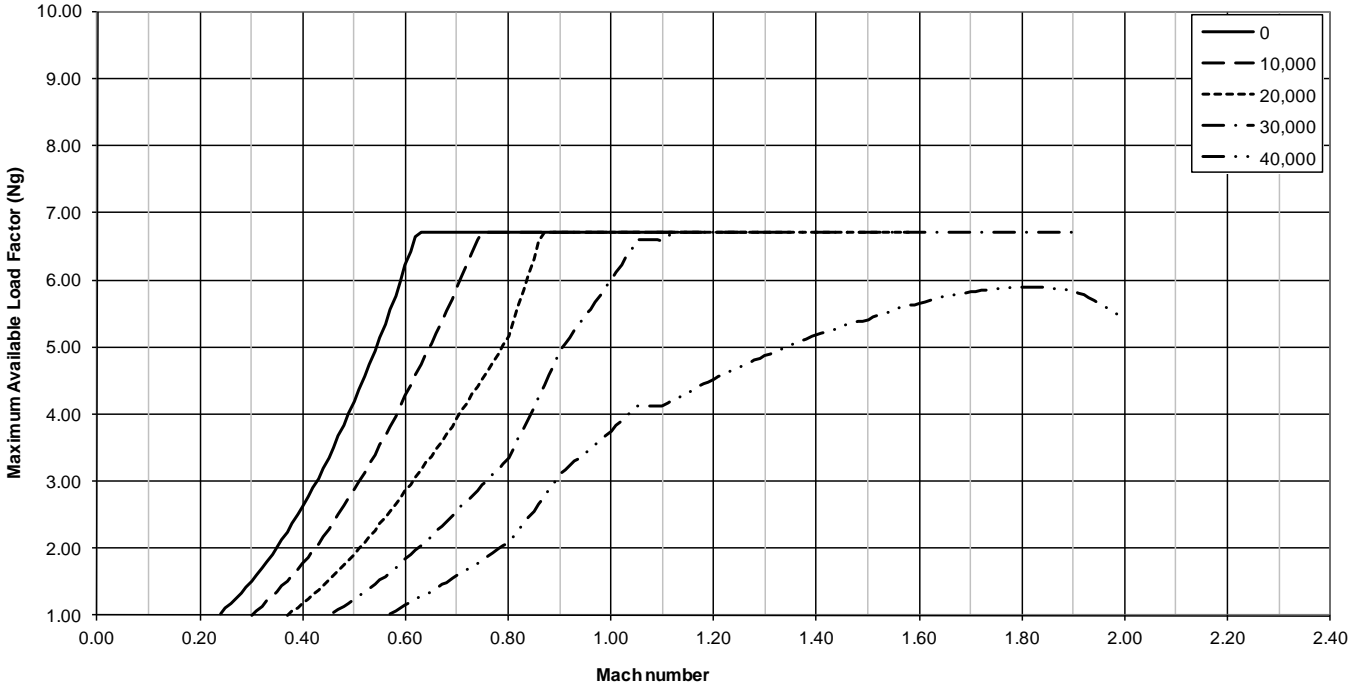
**CONDITIONS:**

- Standard Day
- Max AB

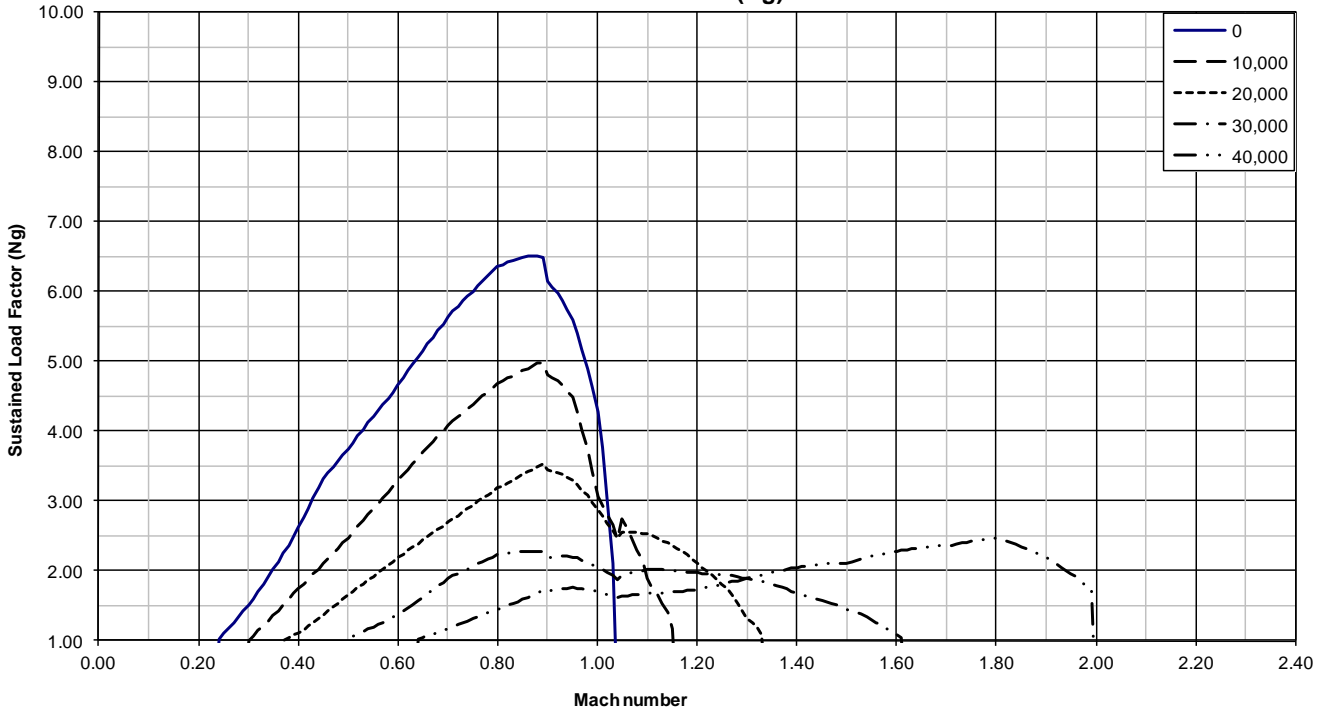
**CONFIGURATIONS :**

- DRAG INDEX = 20 (2xR-550)
- GW=19,545lbs

**Maximum Available Load Factor**



**Maximum Sustained Load Factor (Ng)**



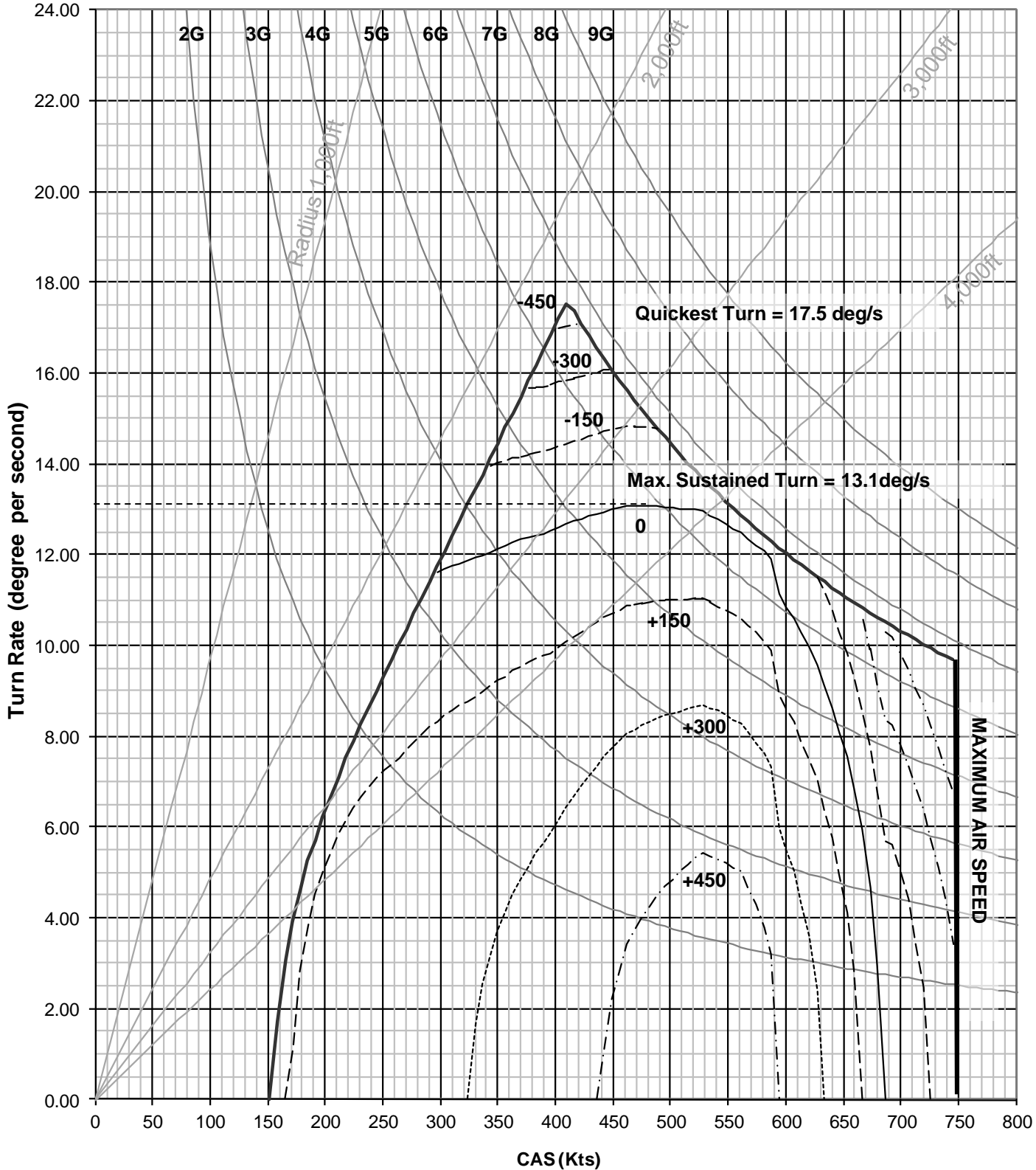
# Turn Performance – Sea Level

DATA BASIS : ESTIMATED

Aircraft : Mirage-III E  
 Engine : SNECMA ATAR-9C

CONDITIONS:  
 •Standard Day  
 •Max AB

CONFIGURATIONS :  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



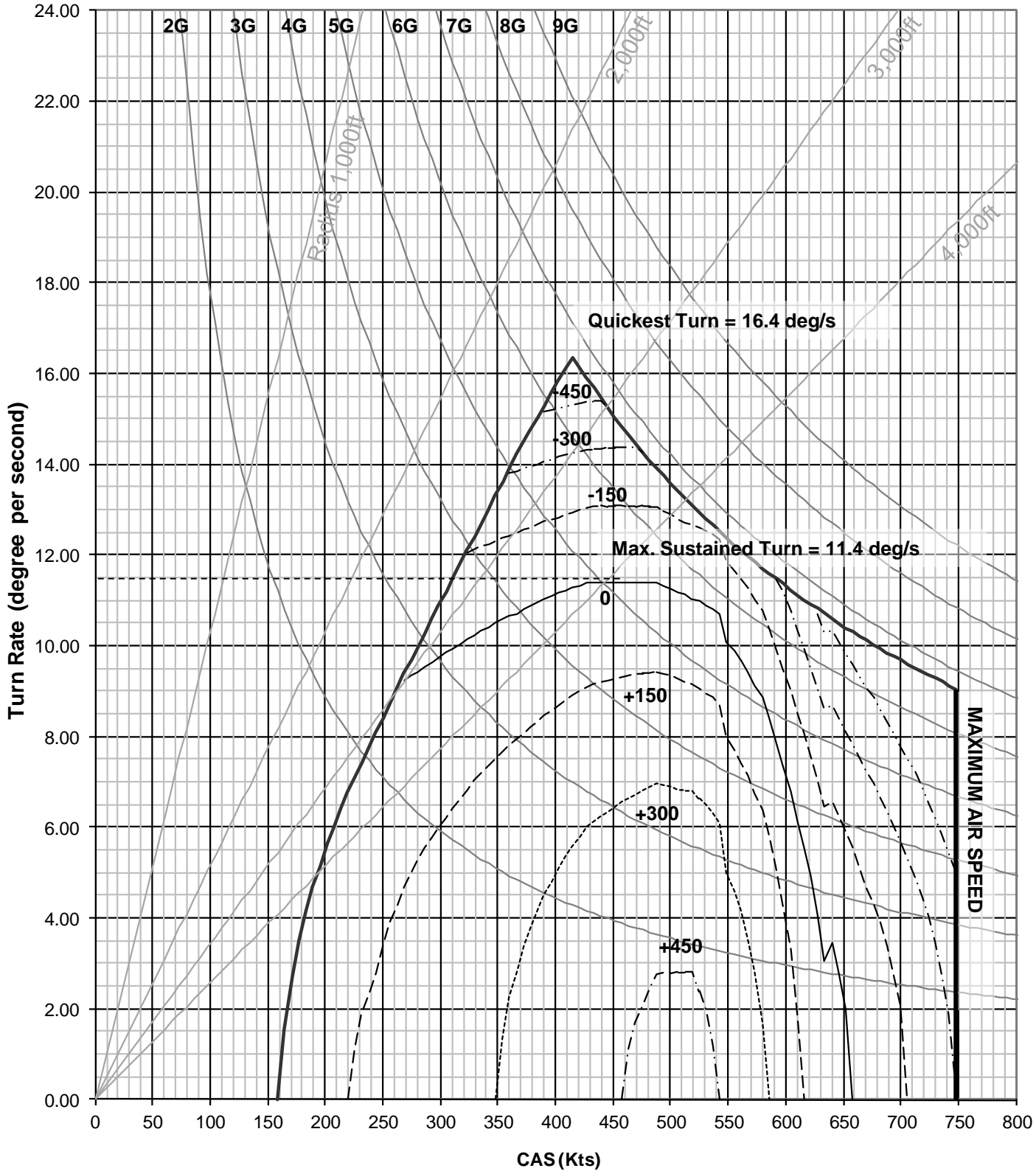
# Turn Performance – 5,000 ft

**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

**CONDITIONS:**  
 •Standard Day  
 •Max AB

**CONFIGURATIONS :**  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs





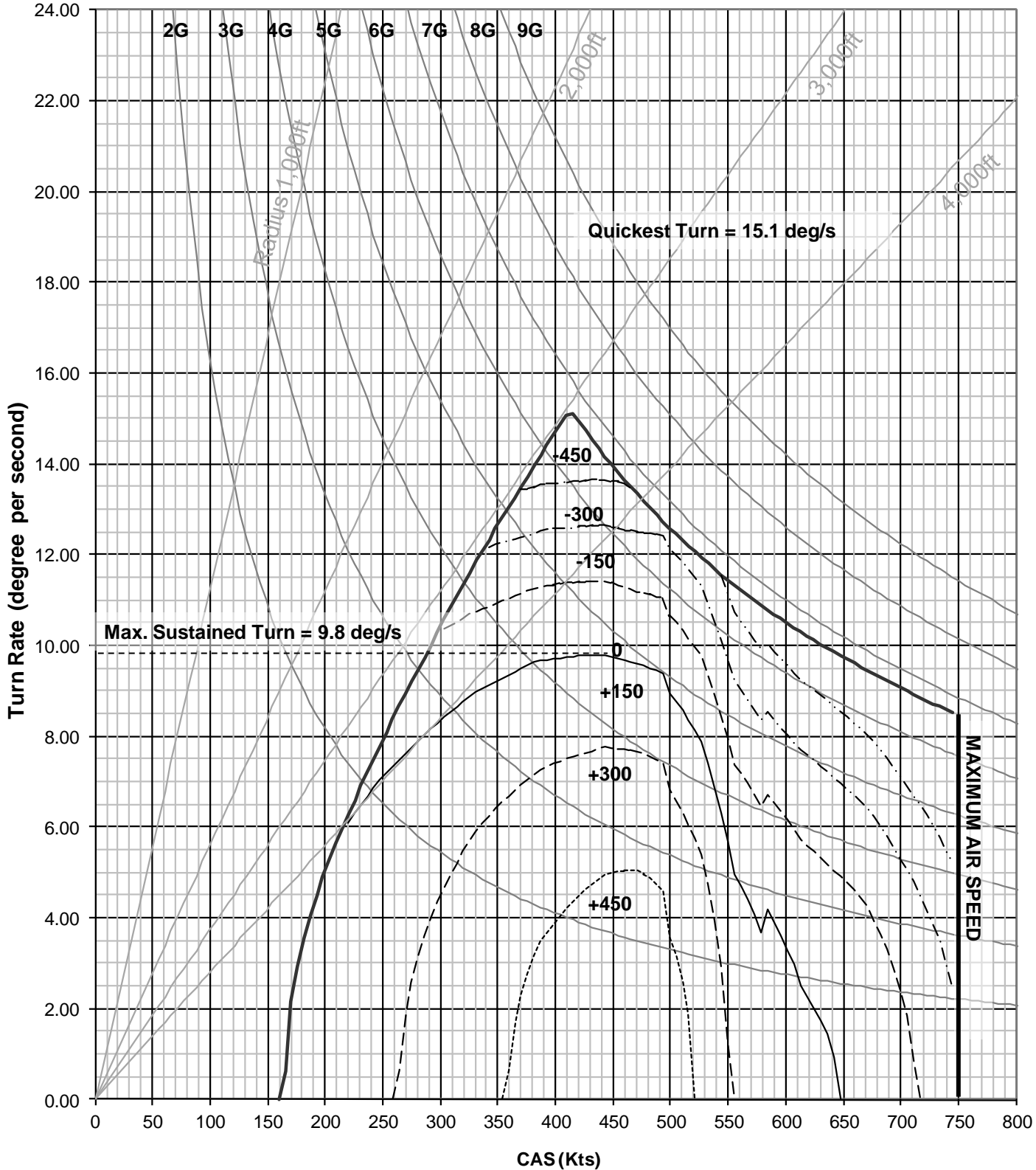
# Turn Performance – 10,000 ft

**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

**CONDITIONS:**  
 •Standard Day  
 •Max AB

**CONFIGURATIONS :**  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



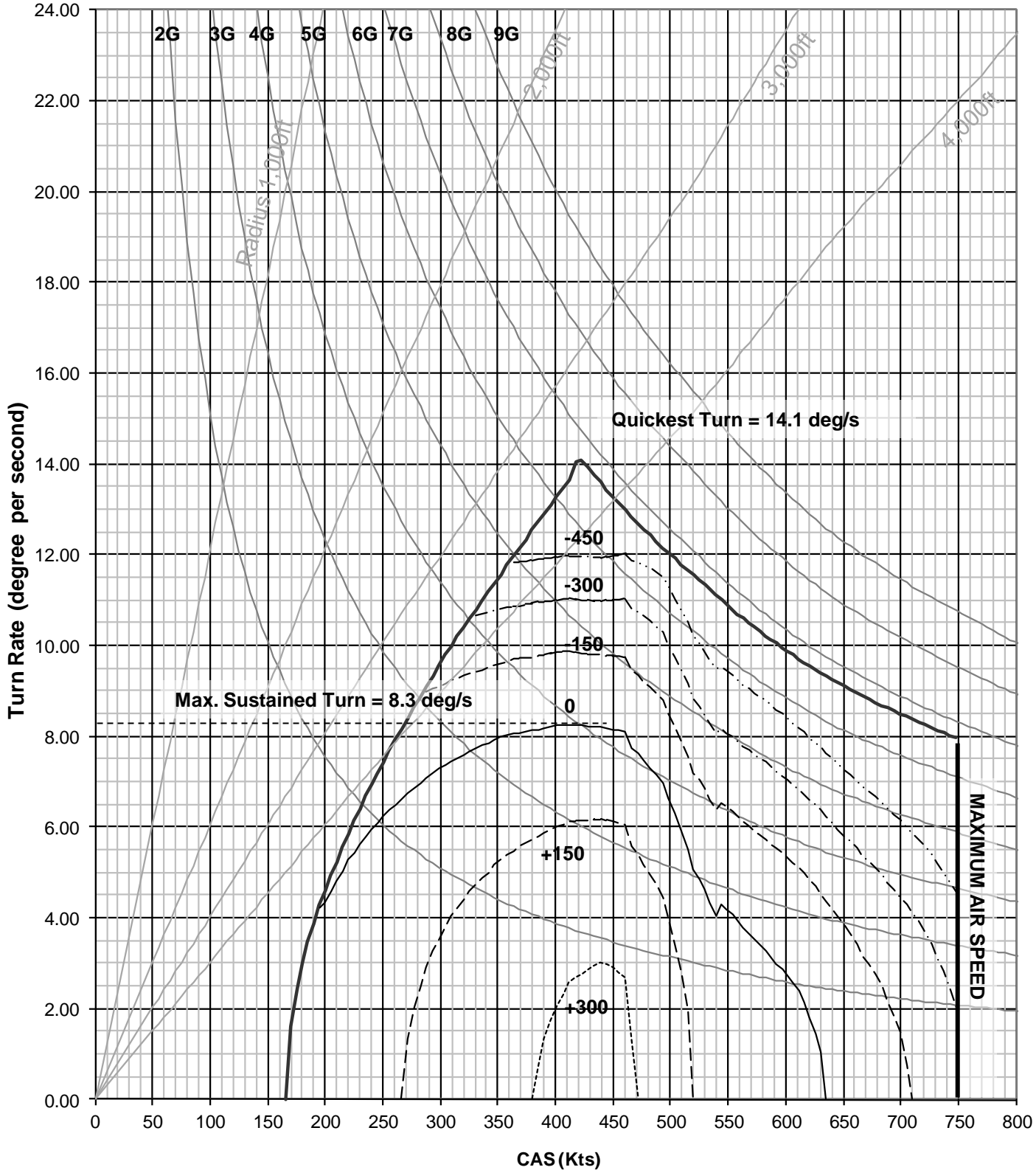
# Turn Performance – 15,000 ft

**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

**CONDITIONS:**  
 •Standard Day  
 •Max AB

**CONFIGURATIONS :**  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



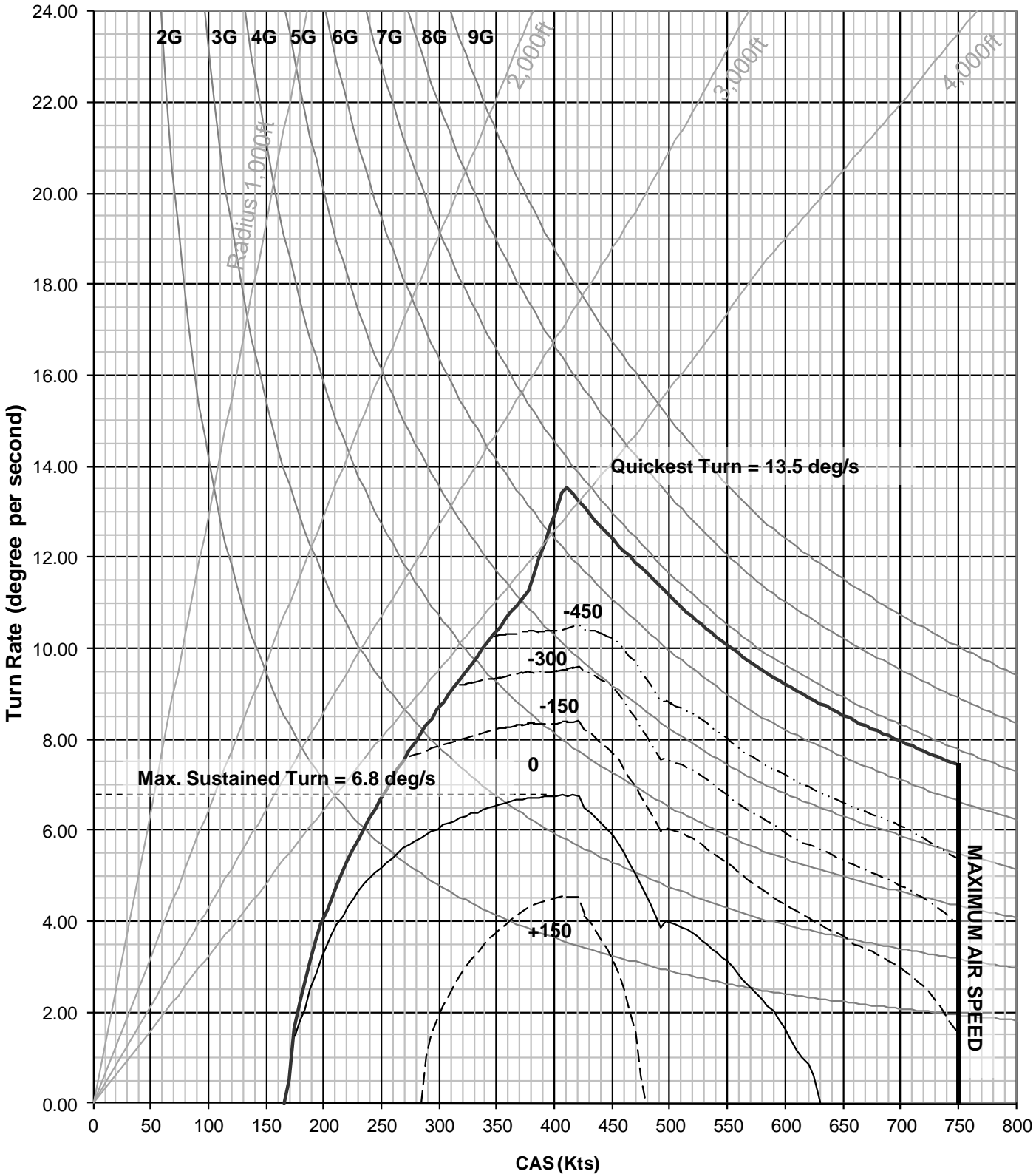
# Turn Performance – 20,000 ft

**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

**CONDITIONS :**  
 •Standard Day  
 •Max AB

**CONFIGURATIONS :**  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



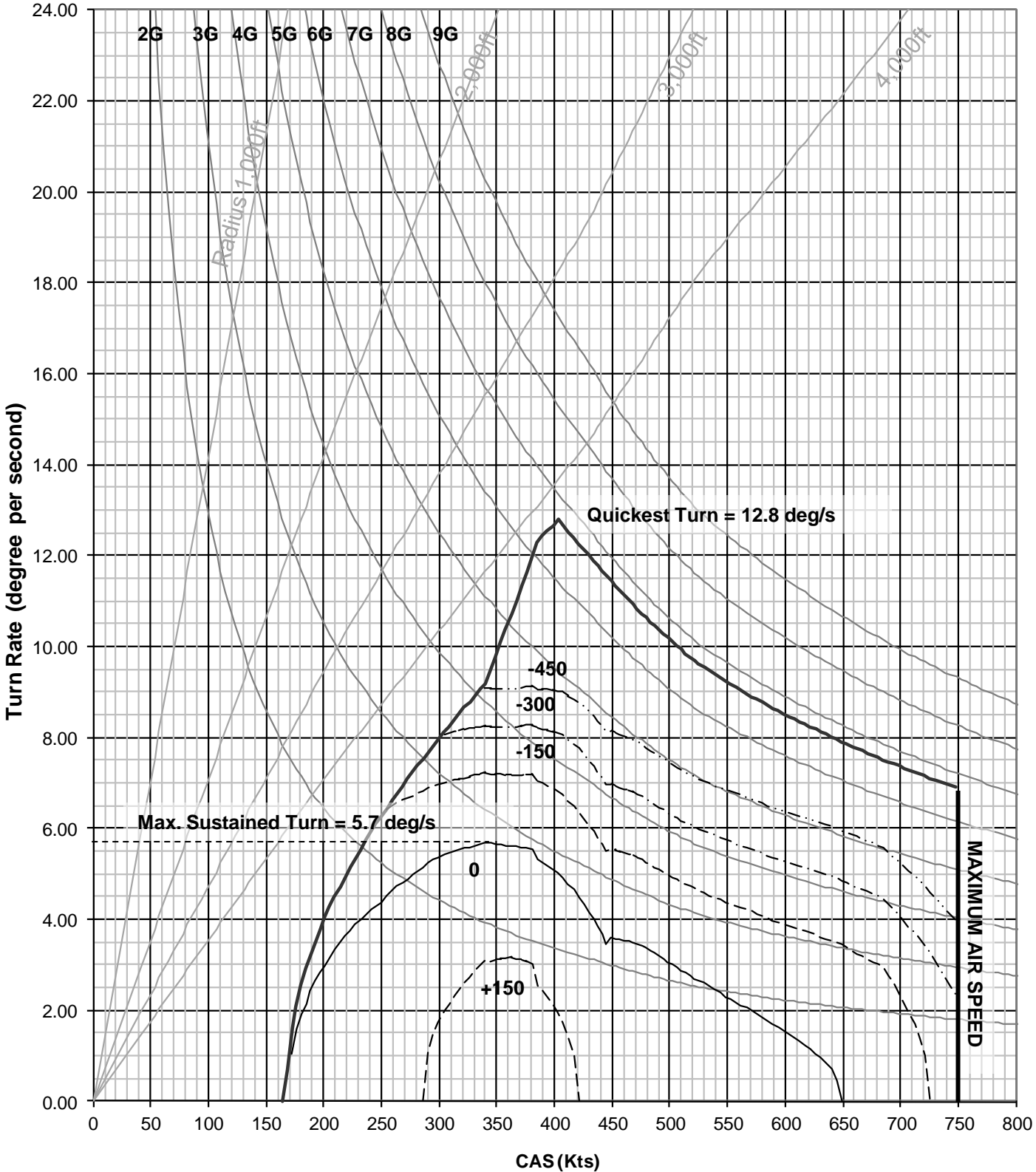
# Turn Performance – 25,000 ft

DATA BASIS : ESTIMATED

Aircraft : Mirage-III E  
 Engine : SNECMA ATAR-9C

CONDITIONS:  
 •Standard Day  
 •Max AB

CONFIGURATIONS :  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



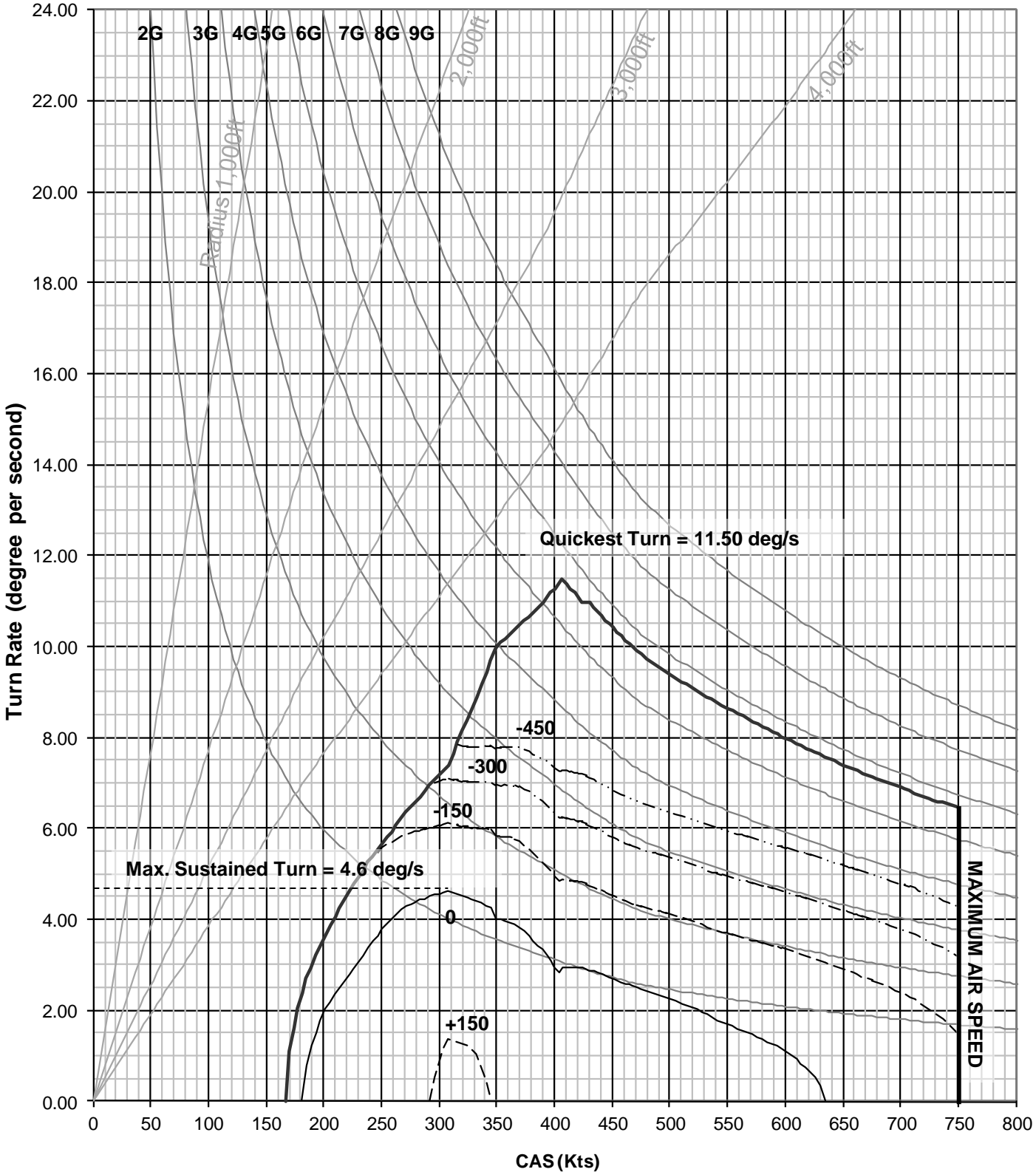
# Turn Performance – 30,000 ft

DATA BASIS : ESTIMATED

Aircraft : Mirage-III E  
 Engine : SNECMA ATAR-9C

CONDITIONS:  
 •Standard Day  
 •Max AB

CONFIGURATIONS :  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



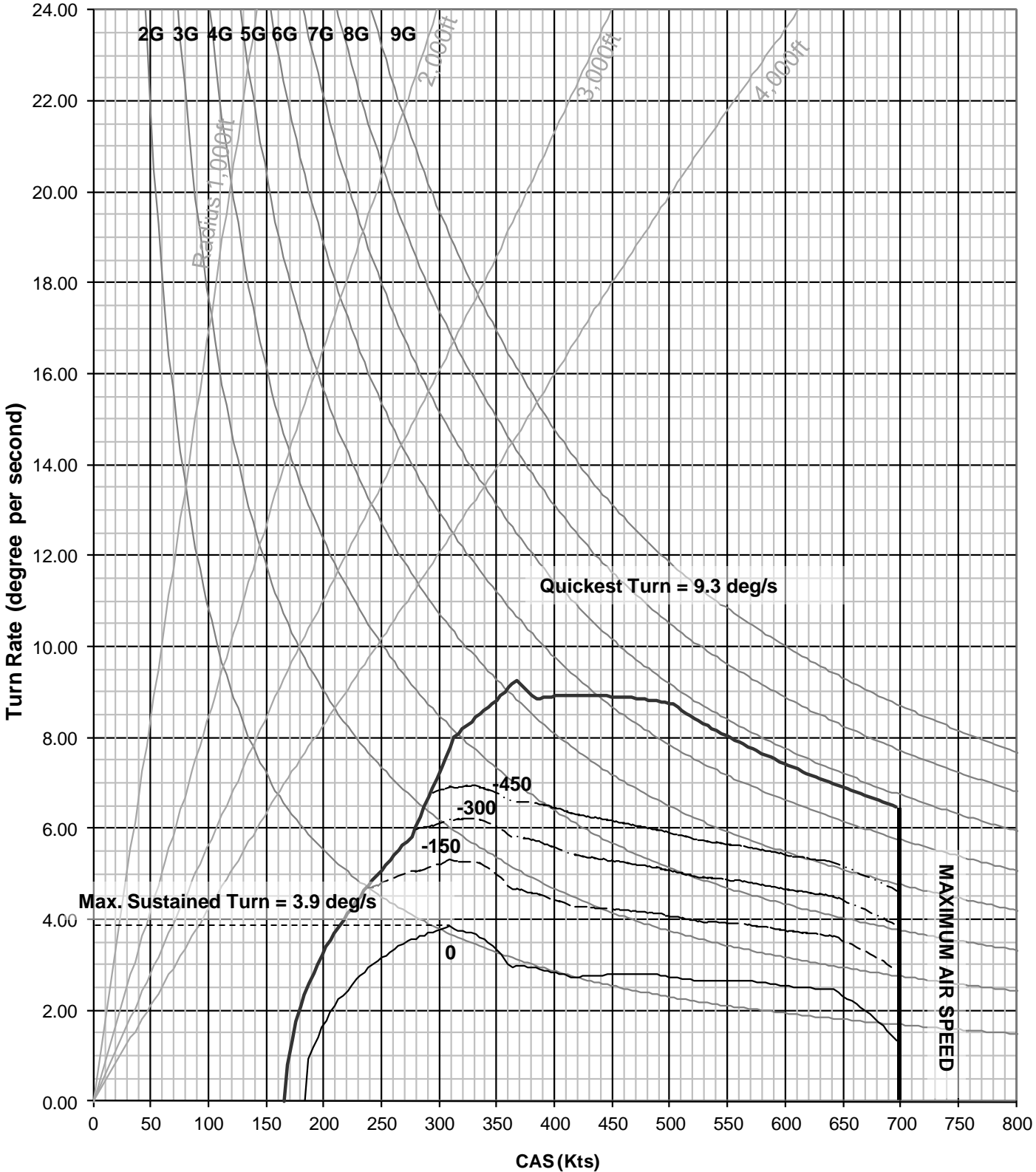
# Turn Performance – 35,000 ft

DATA BASIS : ESTIMATED

Aircraft : Mirage-III E  
 Engine : SNECMA ATAR-9C

CONDITIONS:  
 •Standard Day  
 •Max AB

CONFIGURATIONS :  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs



# Climb Performance

**Aircraft : Mirage-III E**  
**Engine :SNECMA ATAR-9C**

**CONFIGURATIONS :**

- DRAG INDEX = 20 (2xR-550)**
- 50% internal fuel**
- GW= 19,545 lbs / 8,850 Kg**

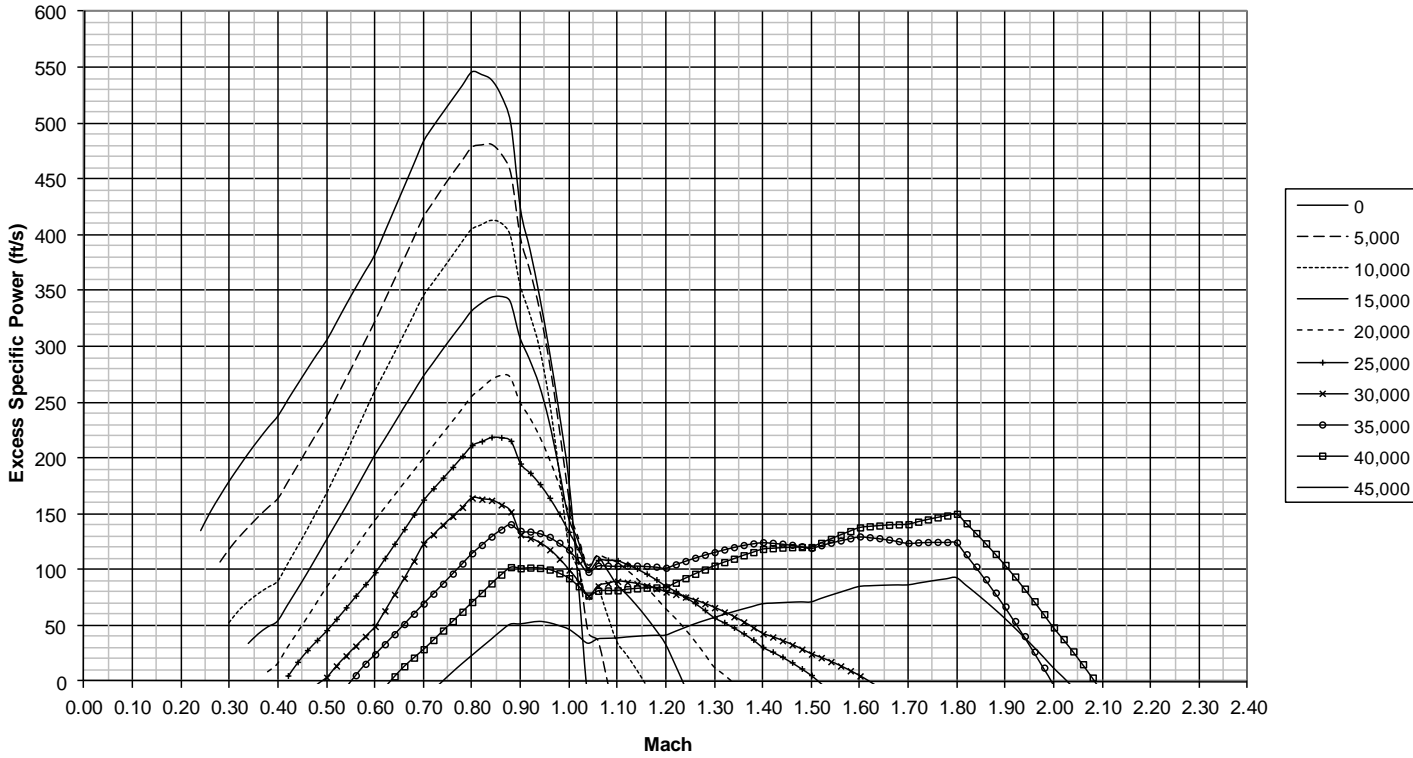
DATA BASIS : ESTIMATED

Aircraft : Mirage-III E  
 Engine : SNECMA ATAR-9C

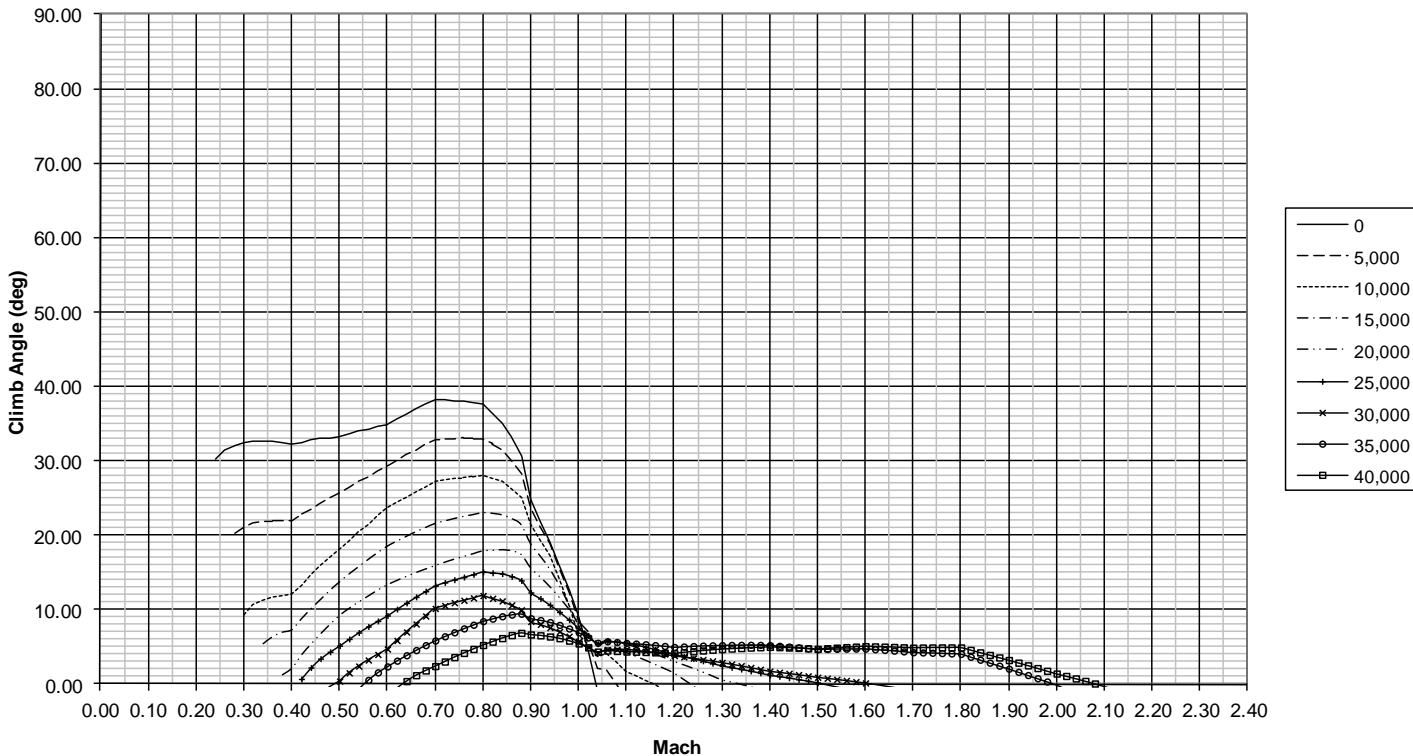
CONDITIONS:  
 •Standard Day  
 •Max AB

CONFIGURATIONS :  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs

Instantaneous Constant Speed Climb Rate



Constant Speed Climb Angle





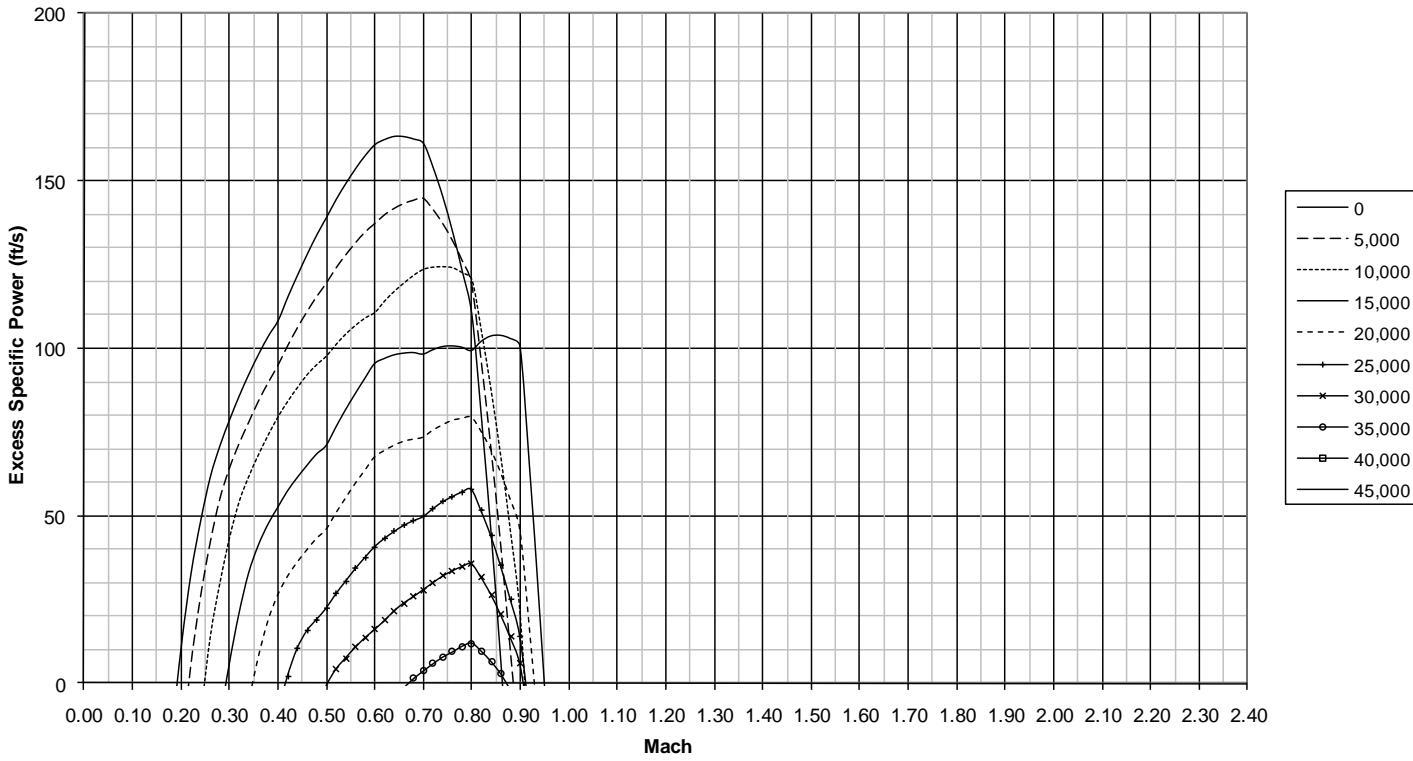
DATA BASIS : ESTIMATED

Aircraft : Mirage-III E  
 Engine : SNECMA ATAR-9C

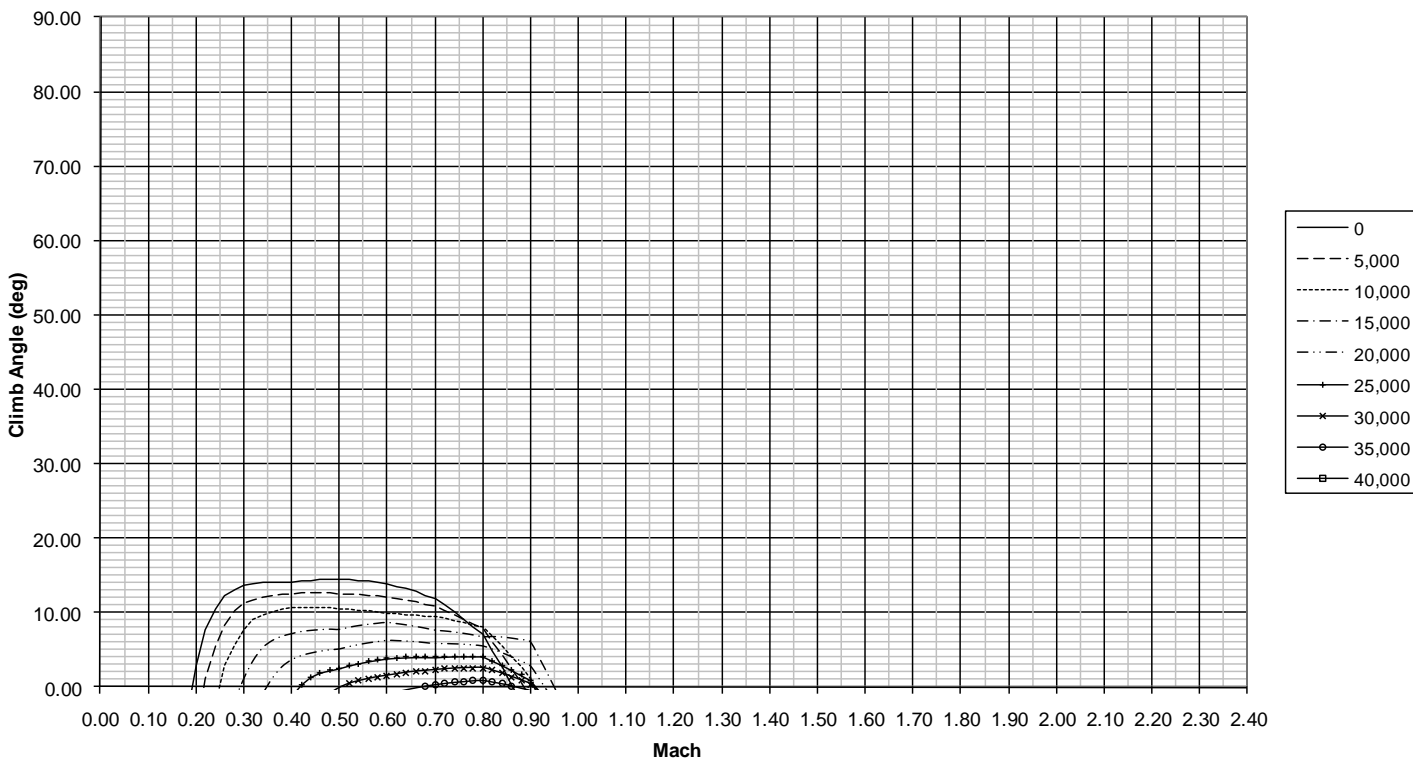
CONDITIONS:  
 •Standard Day  
 •MIL Power

CONFIGURATIONS :  
 •DRAG INDEX = 20 (2xR-550)  
 •GW=19,545lbs

Instantaneous Constant Speed Climb Rate



Constant Speed Climb Angle



# Acceleration Performances

**Aircraft : Mirage-III E**  
**Engine :SNECMA ATAR-9C**

**CONFIGURATIONS :**

- DRAG INDEX = 20 (2xR-550)**
- 50% internal fuel**
- GW= 19,545 lbs / 8,850 Kg**

# Acceleration Diagram

**DATA BASIS : ESTIMATED**

**Aircraft : Mirage-III E**  
**Engine : SNECMA ATAR-9C**

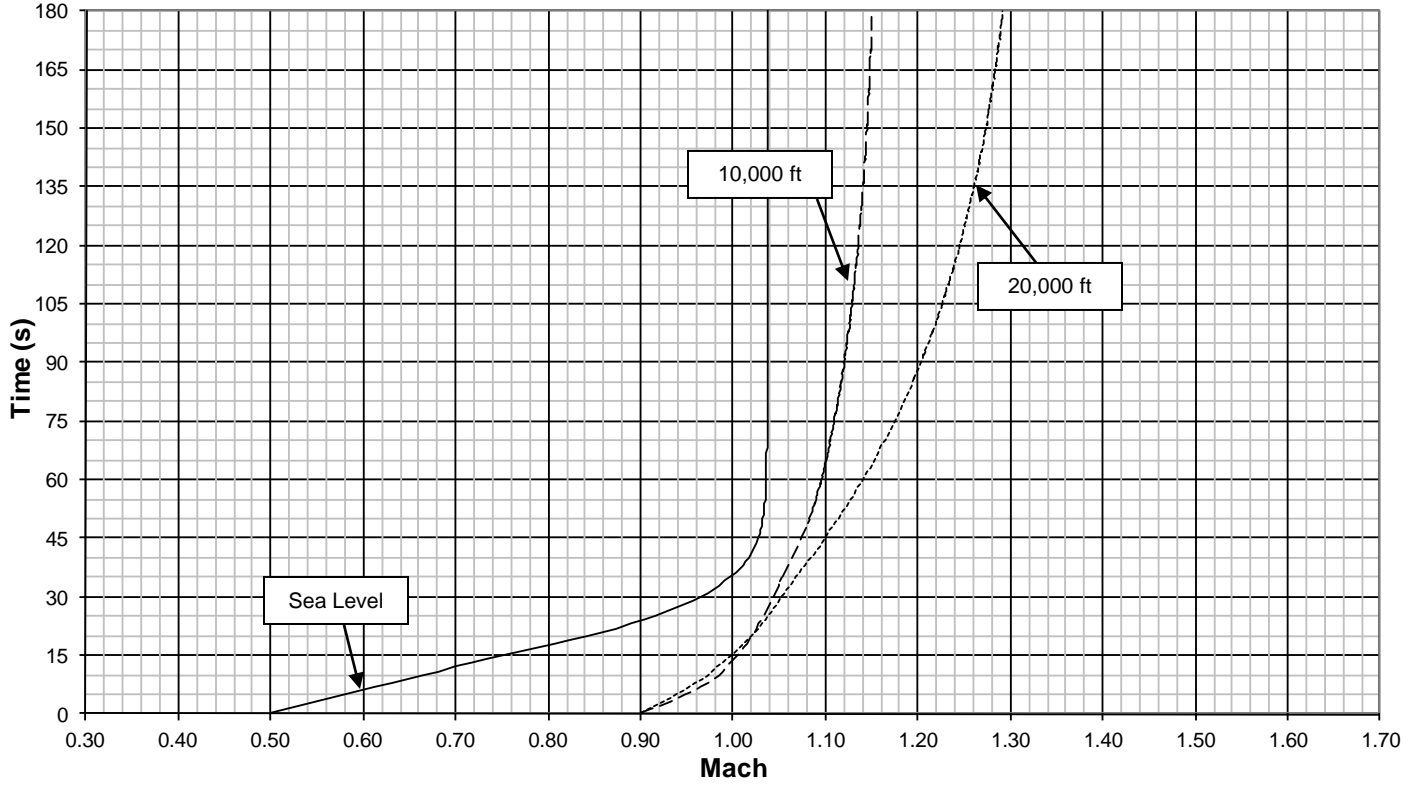
**CONDITIONS:**

- Standard Day
- Max AB

**CONFIGURATIONS :**

- DRAG INDEX = 20 (2xR-550)
- GW=19,545lbs

**Acceleration (Max Thrust AB)**



**Acceleration (Max Thrust AB)**

