



Flip Out Fin 0 %



(At release, $t=0$)



Flip Out Fin 25 %



Flip Out Fin 50 %



Flip Out Fin 75 %



Flip Out Fin 100 %



$T = 0 \text{ sec}$



$T = 0.08 \text{ sec}$



$T = 0.21 \text{ sec}$



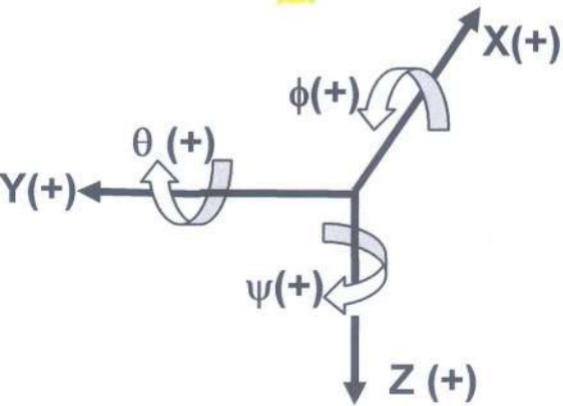
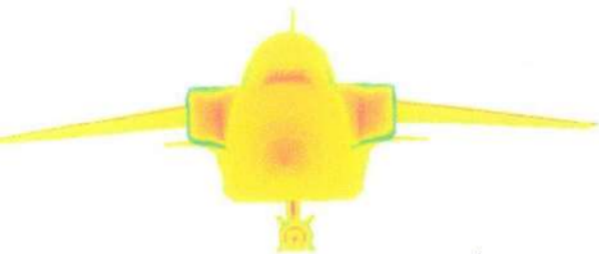
$T = 0.25 \text{ sec}$



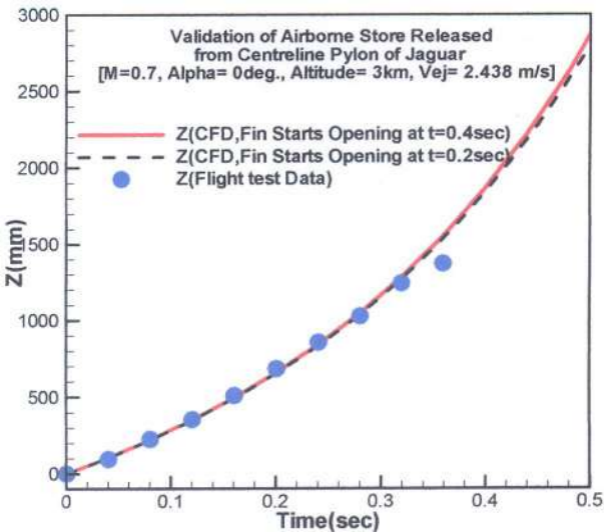
$T = 0.33 \text{ sec}$



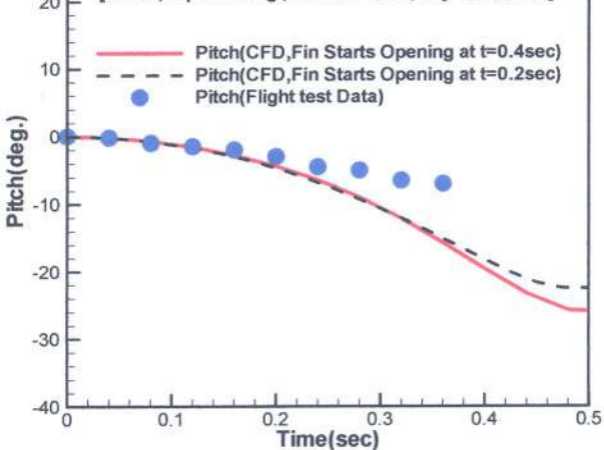
$T = 0.40 \text{ sec}$



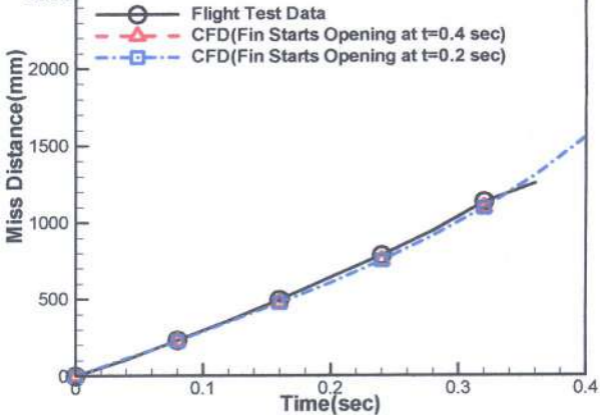
Validation of Airborne Store Released
from Centreline Pylon of Jaguar
[M=0.7, Alpha= 0deg., Altitude= 3km, V_{ej} = 2.438 m/s]



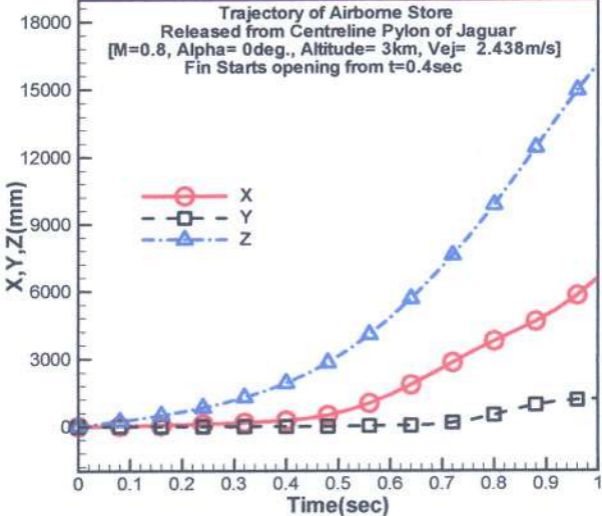
Validation of Airborne Store
Released from Centreline Pylon of Jaguar
[$M=0.7$, $\alpha=0^\circ$, Altitude= 3km, $V_{ej}= 2.438$ m/s]



Miss Distance of Airborne Store
Released from Centreline Pylon of Jaguar
[M=0.7, Alpha= 0deg., Altitude= 3km, $V_{ej} = 2.438$ m/s]



Trajectory of Airborne Store
Released from Centreline Pylon of Jaguar
[M=0.8, Alpha= 0deg., Altitude= 3km, V_{ej} = 2.438m/s]
Fin Starts opening from t=0.4sec

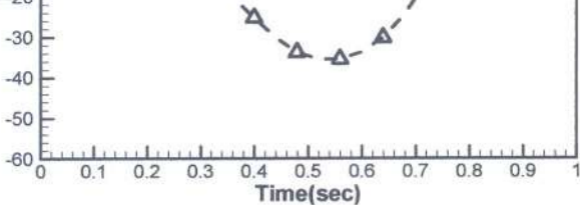


Trajectory of Airborne Store
Released from Centreline Pylon of Jaguar
[M=0.8, Alpha= 0deg., Altitude= 3km, V_{ej} = 2.438 m/s]
Fin Starts opening from t=0.4sec

Pitch

Yaw

Pitch, Yaw(deg.)



Miss Distance for Airborne Store
Released from Centreline Pylon of Jaguar
[$M=0.8$, $\text{Alpha}=0^\circ$, Altitude= 3km, $V_{ej} = 2.438 \text{ m/s}$]

--- Δ --- CFD (Fin Starts Opening at $t=0.4 \text{ sec}$)

Miss Distance(mm)

16000
14000
12000
10000
8000
6000
4000
2000
0

Time(sec)

0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1

0

0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

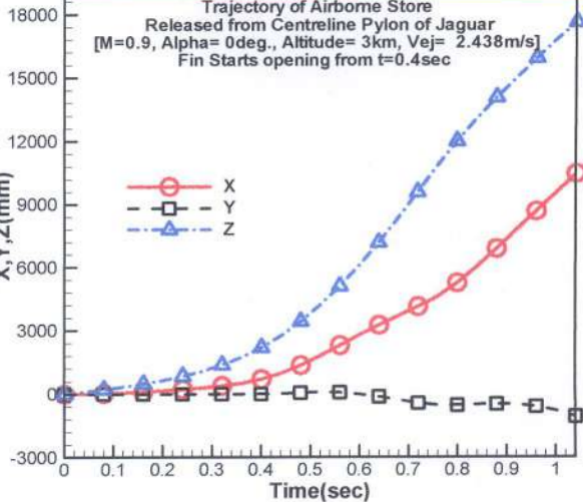
0.9

1

Trajectory of Airborne Store
Released from Centreline Pylon of Jaguar
[M=0.9, Alpha= 0deg., Altitude= 3km, V_{ej} = 2.438m/s]
Fin Starts opening from t=0.4sec

X,Y,Z(mm)

—○— X
- -□- - Y
- -△- - Z



Trajectory of Airborne Store
Released from Centreline Pylon of Jaguar
[$M=0.9$, $\text{Alpha}=0\text{deg.}$, $\text{Altitude}=3\text{km}$, $V_{ej}=2.438\text{ m/s}$]
Fin Starts opening from $t=0.4\text{sec}$

