F14 Aerodynamics

Basic Lift

LIFT:CIBAS ($\beta, \alpha$)

-20, -10, 0, 10, 20
-15, -5, 5, 15
Lift at 0 beta (tuning)
Stabilizer lift for $\delta s \geq 10$ degrees
Secondary stabilizer lift for $\delta s < -10$ degrees
Spoiler lift increment
Basic Drag
Drag increment spoilers $\geq -10$
Secondary Drag increment spoilers < -10
Primary Drag increment spoilers
Sideforce basic
Sideforce tuning
Sideforce due to roll rate
Sideforce due to yaw rate
Sideforce due to alieron
Sideforce due to spoiler deflection (degrees)
Sideforce due to rudder deflection (degrees)
Basic Roll Moment
Roll Moment beta increment (tuning)
Roll Moment due to roll rate
Roll Moment due to yaw rate
Roll Moment due to aileron deflection (degrees)
Roll Moment due to spoiler deflection
Roll Moment due to rudder deflection rate
Basic Pitch Moment
Pitch Moment beta tuning
Pitch Moment due to pitch rate
Pitch Moment due to stabilizer deflection for $\delta_s \geq -10$ degrees
Pitch Moment due to stabilizer deflection for $\delta_s < -10$ degrees
Pitch Moment due to spoiler deflection
Basic yaw moment
Yaw moment beta increment (tuning)
Yaw moment increment due to beta and stabilizer deflection (tuning)
Yaw moment due to roll rate
Yaw moment due to pitch rate
Yaw moment due aileron deflection in degrees
Yaw moment due to spoiler deflection
Yaw moment due to rudder deflection