Results Summary (Please fill out and put this in your submission)

M_i (Flight Mach number) = 10

$\dot{Q}$ required to cruise =

$\dot{m}$ (air flow rate captured by vehicle and processed in engine) = 56.631 Kg/sec

Mass of vehicle required for cruise = excess lift / g

Aerodynamic forces (summary):

Component	F_x (N)	F_y(N)
Inlet*	-15985	-11521.017
Combustor-nozzle (ci to e)	85691.268	915.257
Wing top	1172.73	-186.74
Wing bottom	-31759.058	5030.14
Wing total	-30586.27	4843.4
Bottom of vehicle (cowl bottom)	-13789.92	964.29
Top of vehicle	5256.25	-45.6
Overall vehicle (total)	0	0

* actual force associated **with captured stream** tube on inlet surfaces from i to ci!