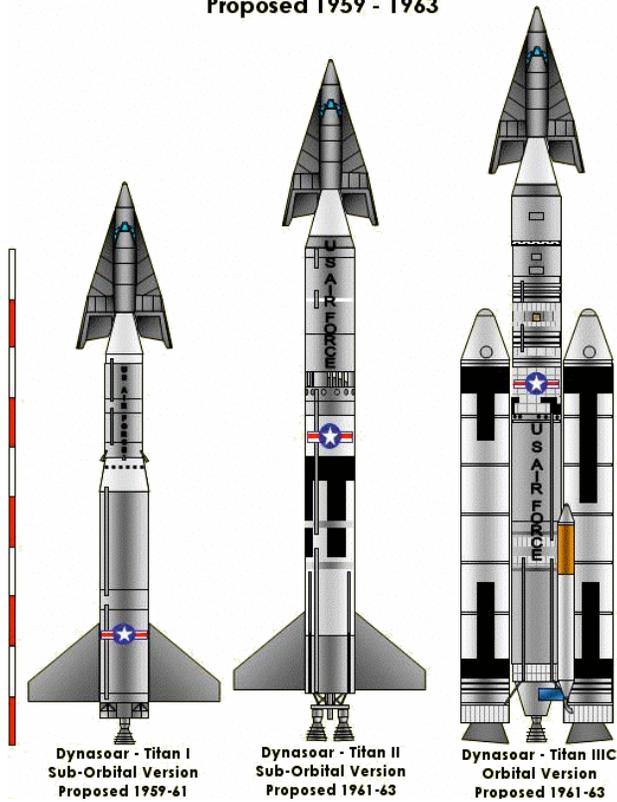


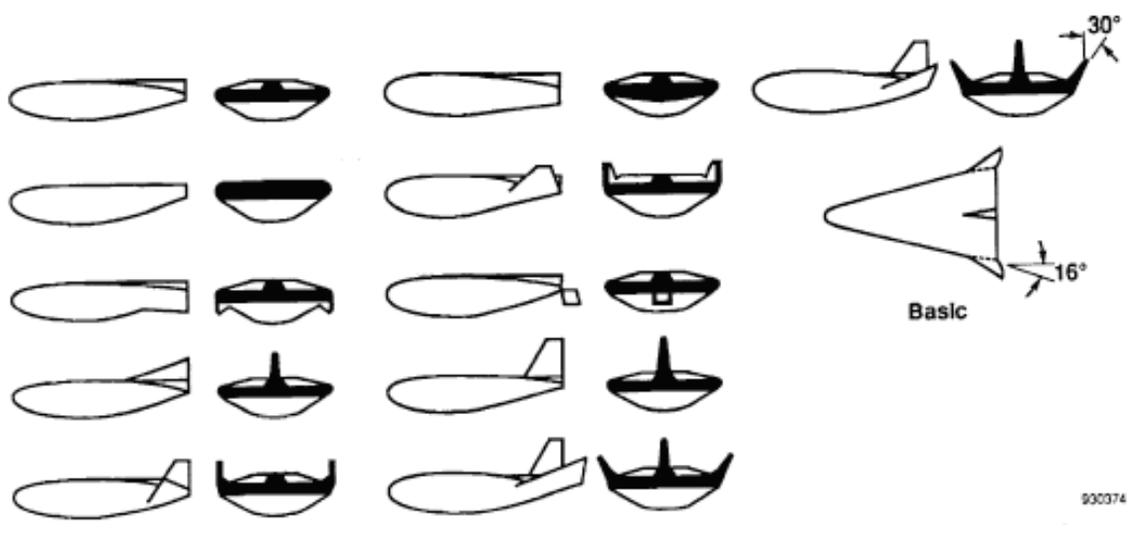


Dynasoar Spaceplane

Proposed 1959 - 1963



Negative camber lifting body designs



Early lifting body designs



Dryden Flight Research Center EC69-2353 Photographed 10/13/72
Lifting Bodies: X-24A, M2-F3, HL-10 demonstrated the ability re-enter the Earth from space flight and helped to test the technology necessary for future aircraft to fly at hypersonic cruise speeds.

HL-10 lifting body



NASA Dryden Flight Research Center Photo Collection
<http://www.dfrc.nasa.gov/gallery/photo/index.html>
NASA Photo: ECN-1289 Date: 1966

HL-10 on ramp

HL-10 and X-15



NASA Dryden Flight Research Center Photo Collection
<http://www.dfrc.nasa.gov/gallery/photo/index.html>
NASA Photo: ECN-1288 Date: 1966 Photo by: NASA photo

X-15A-2 and HL-10 parked on NASA ramp

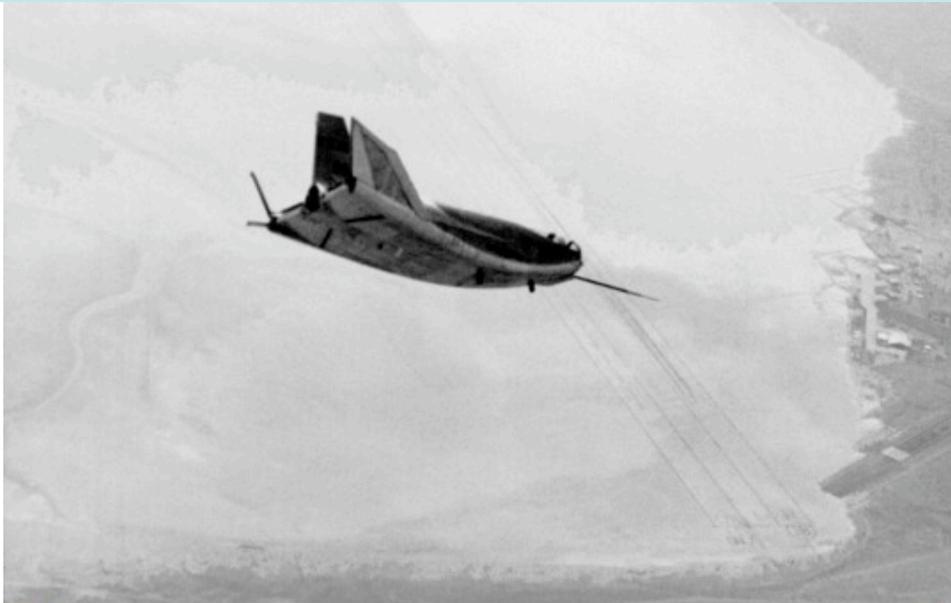
HL-10 and B-52 Launcher



Dryden Flight Research Center ECN 2203 Photographed 1969
Research pilot Bill Dana with HL-10 watches B-52 flyover. NASA photo



HL-10 in flight



NASA Dryden Flight Research Center Photo Collection
<http://www.dfrc.nasa.gov/gallery/photo/index.html>
NASA Photo: E-21089 Date: 1969



HL-10 in flight over lakebed

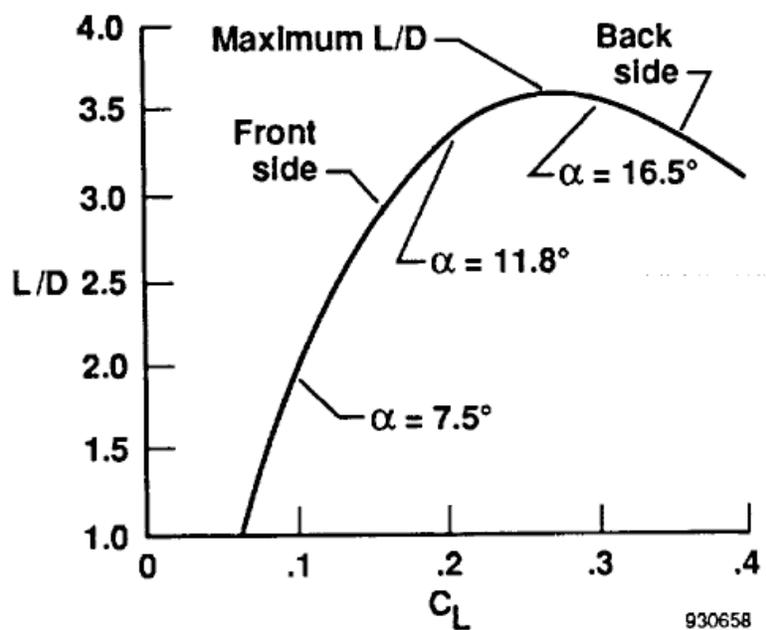
HL-10 landing



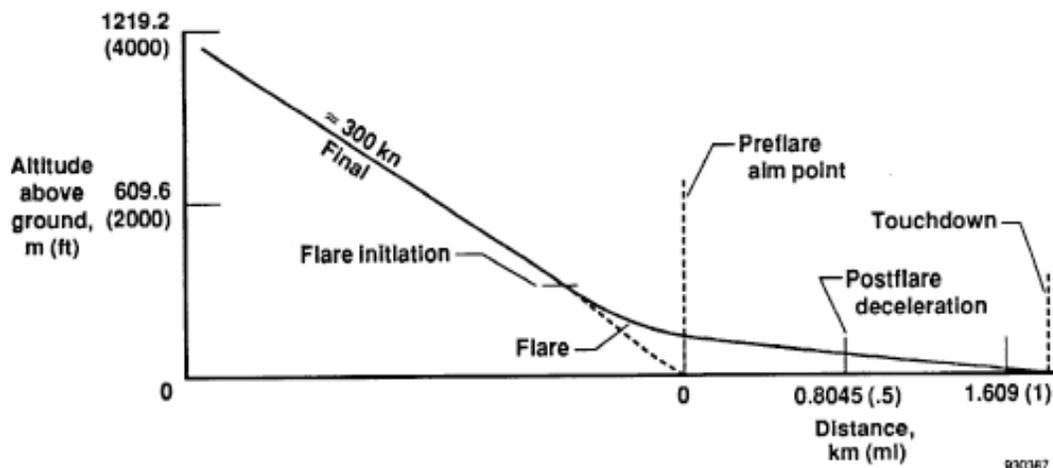
Dryden Flight Research Center ECN-2367 Photographed 1970
HL-10 landing with F-104 chase. (NASA photo)



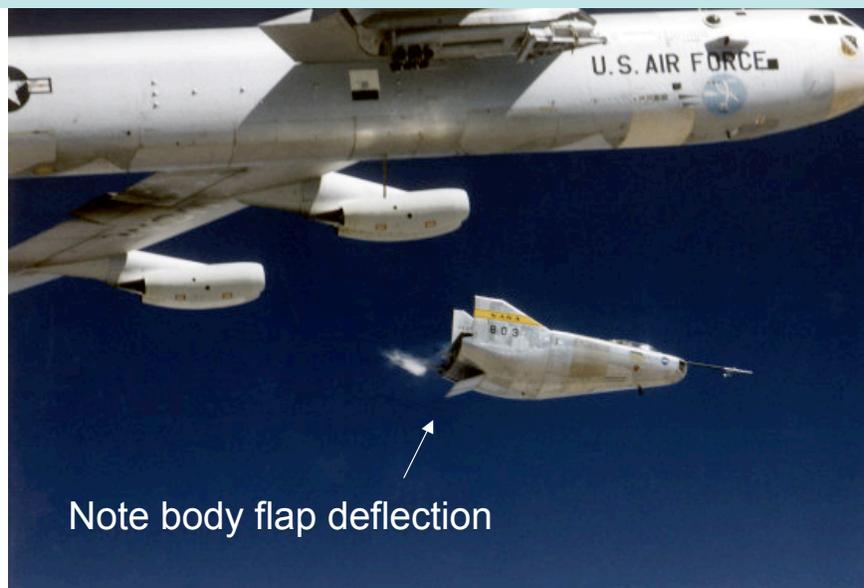
HL-10 L/D from flight test



Lifting body landing approach



Air launch of M2-F3



M2-F2 lifting body landing



NASA Dryden Flight Research Center Photo Collection
<http://www.dfrc.nasa.gov/gallery/photo/index.html>
NASA Photo: EC66-1567 Date: 21 Nov 1966

M2-F2 landing with F-104 chase plane

X-24B landing



Dryden Flight Research Center EC75-4914 Photographed 24OCT1975
X-24B simulating future Shuttle landings. It is followed by an F-104 chase. (NASA photo)



X-15 landing



NASA Dryden Flight Research Center Photo Collection
<http://www.dfrc.nasa.gov/gallery/photo/index.html>
NASA Photo: EC88-0180-9 Date: early 1960s

X-15 #3 and F-104A chase plane landing

SR-71 landing



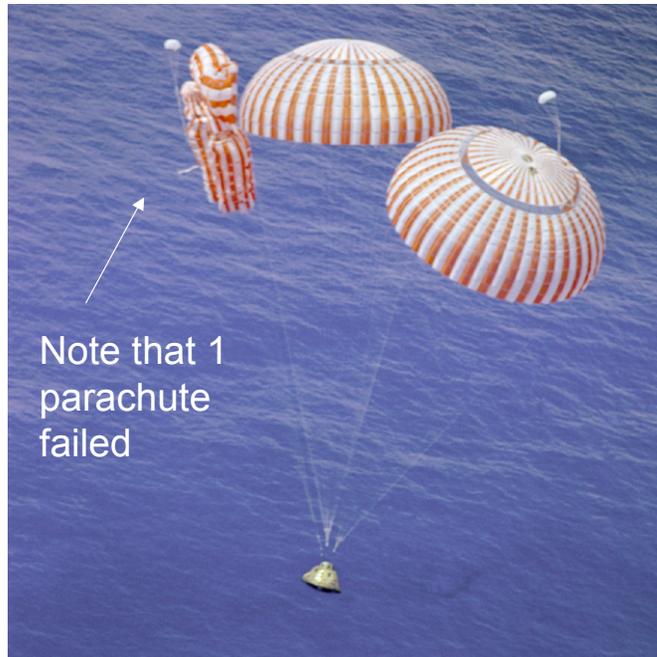
Dryden Flight Research Center EC96-43463-1 Photographed 1996
SR-71 #844 landing at Edwards Air Force Base



Shuttle Orbiter landing



Apollo 15 Landing after lunar mission



Drag coefficient of parachutes

