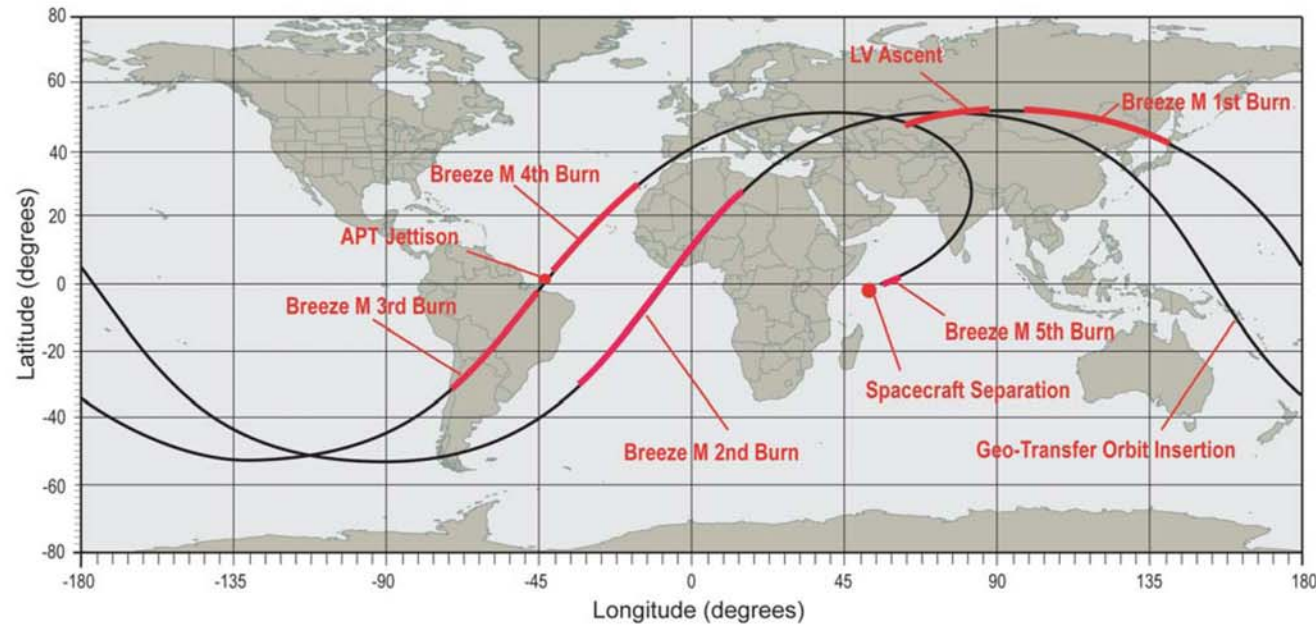


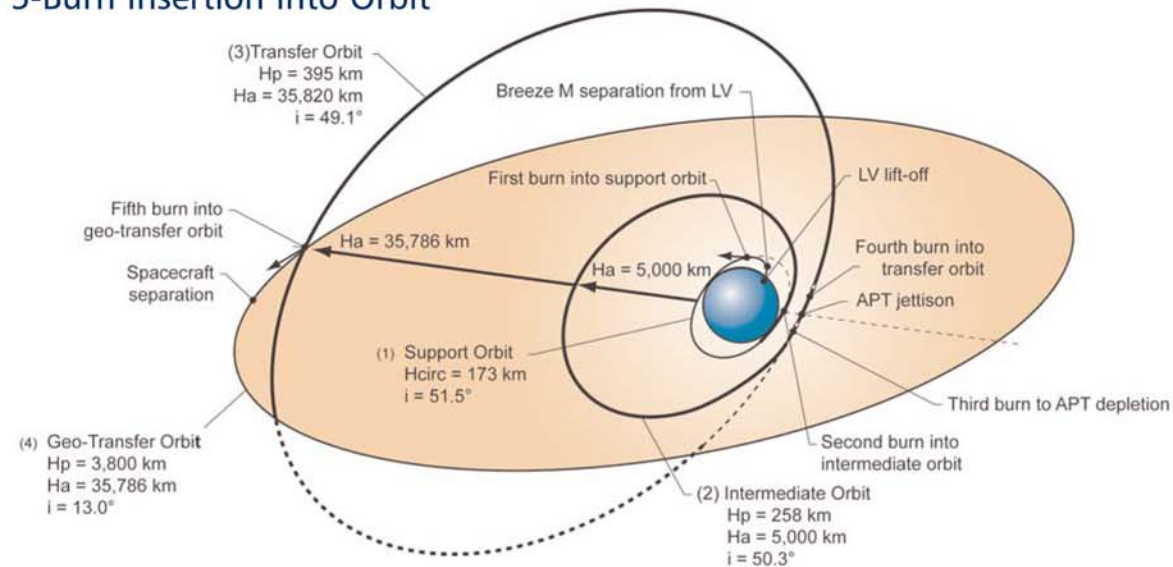
MISSION PROFILE

The Proton Breeze M launch vehicle, utilizing a 5-burn Breeze M mission design, will lift off from Pad 39 at the Baikonur Cosmodrome, Kazakhstan, with the HOT BIRD™ 8 satellite on board. The first three stages of the Proton will use a standard ascent trajectory to place the Breeze M fourth stage and the HOT BIRD™ 8 satellite into a sub-orbital trajectory, from which the Breeze M will place itself and the spacecraft into a circular support orbit. Once HOT BIRD™ 8 is in the support orbit, it will be propelled into its transfer orbit by a series of additional burns of the Breeze M. Separation occurs approximately 9 hours, 11 minutes and 20 seconds after liftoff.

Typical 5-Burn Proton Ascent Ground Track



Typical 5-Burn Insertion Into Orbit



THE SATELLITE



International Launch Services

Satellite Operator:

Eutelsat
www.eutelsat.com

Satellite Manufacturer:

EADS Astrium
www.space.eads.net

Platform:

EUROSTAR 3000

Separated Mass:

4,875 Kg

Design Life:

15 years

Mission:

With 64 transponders that can be operated simultaneously, of which 58 transponders will operate at full power for most of the satellite's lifetime, HOT BIRD™ 8 is the largest satellite yet ordered by Eutelsat. It will join the company's constellation of HOT BIRD™ broadcasting satellites at 13 degrees East that provide television, radio and interactive services to over 100 million cable and satellite homes in Europe, North Africa and the Middle East.

HOT BIRD™ 8's mission is to replace existing HOT BIRD™ capacity and to join HOT BIRD™ 7A in raising sparring and in-orbit redundancy at 13 degrees East. The satellite has been designed to cover all 102 Ku-band transponders/frequencies at 13 degrees East which means that it can substitute for any transponder on the other HOT BIRD™ satellites.



HOT BIRD™ 8

Mission Overview

- 8th Eutelsat launch on an ILS vehicle
- 2nd ILS Proton Launch in 2006
- 321st Proton launch