



@aviation\_trainning

## Rockets + Planes

How the FAA Keeps  
Your Flight Safe and  
Moving During  
Space Launches



# The FAA uses 5 key tools and procedures



**1**

**Objective Factors** such as time of day, mission purpose, holiday travel periods and number of flights impacted are used to help determine the best time a launch should occur.



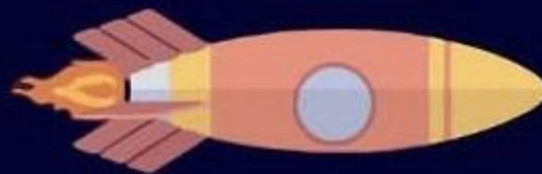


**Critical Decision Windows**  
encourage a space operator  
to cancel the launch before  
aircraft are rerouted if the  
launch is unlikely to happen.

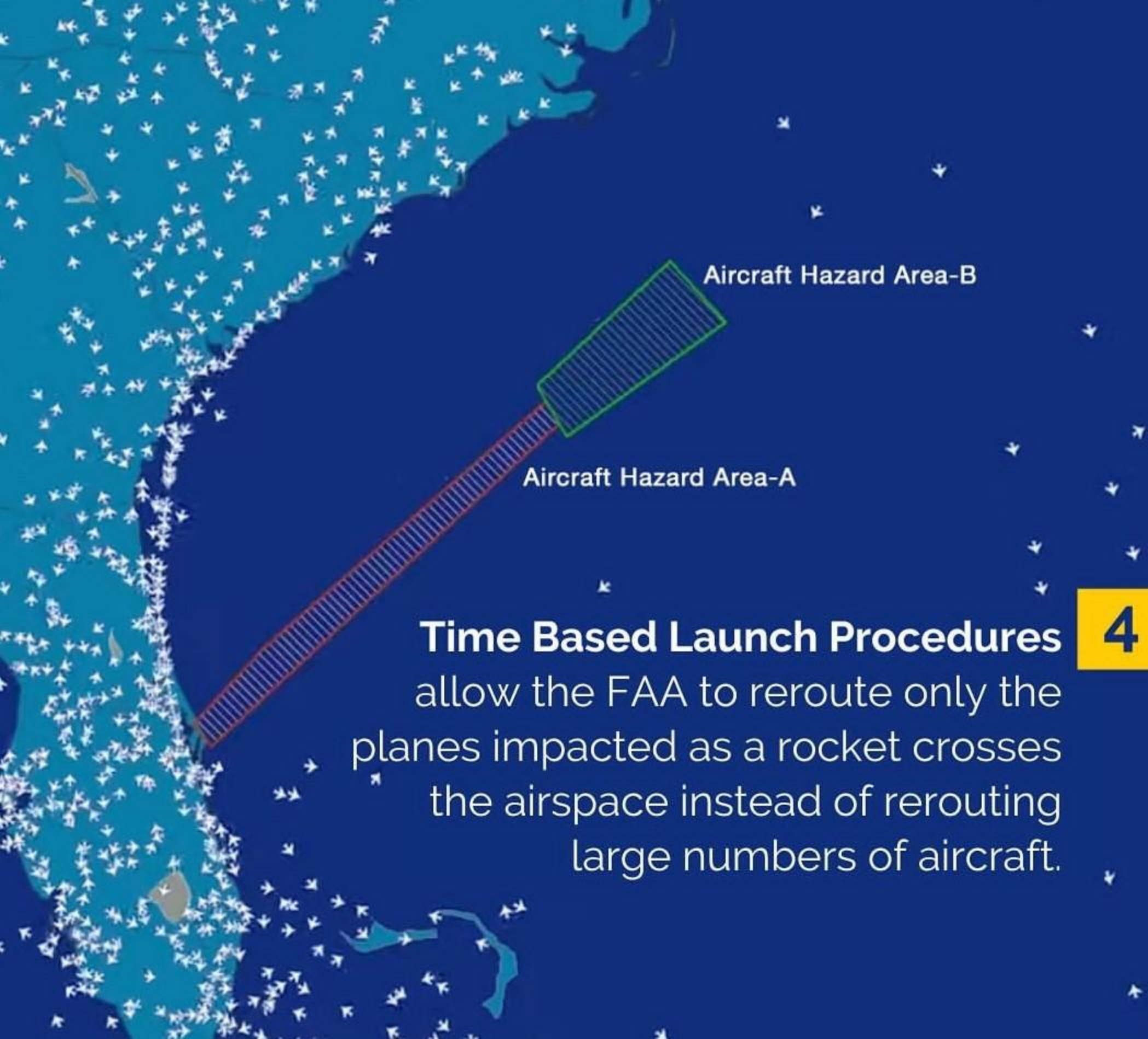


**3** **Dynamic launch and reentry windows** use mission triggers such as loading rocket fuel to pinpoint when to close and re-open airspace.

## Dynamic Windows



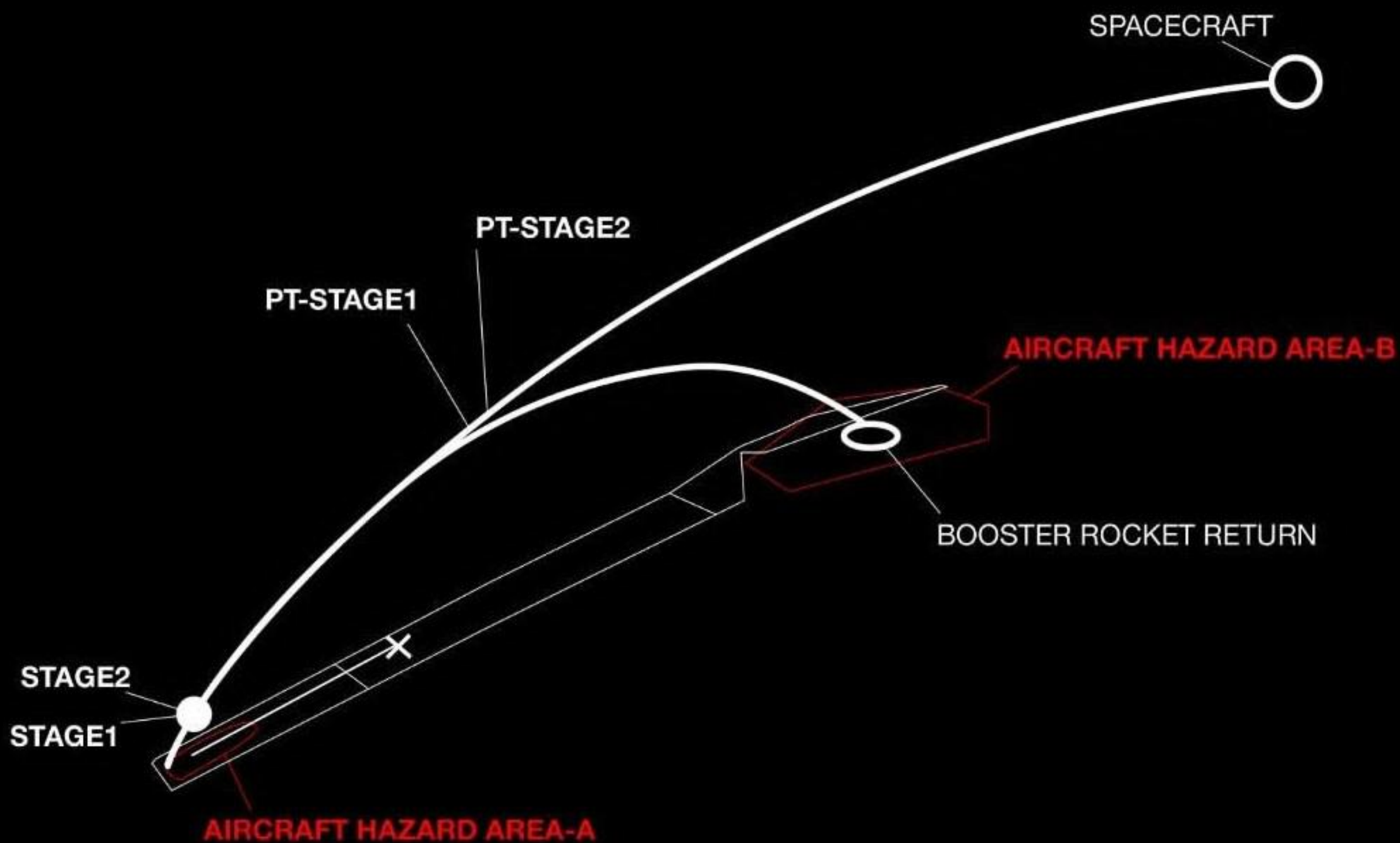




**Time Based Launch Procedures**  
allow the FAA to reroute only the  
planes impacted as a rocket crosses  
the airspace instead of rerouting  
large numbers of aircraft.

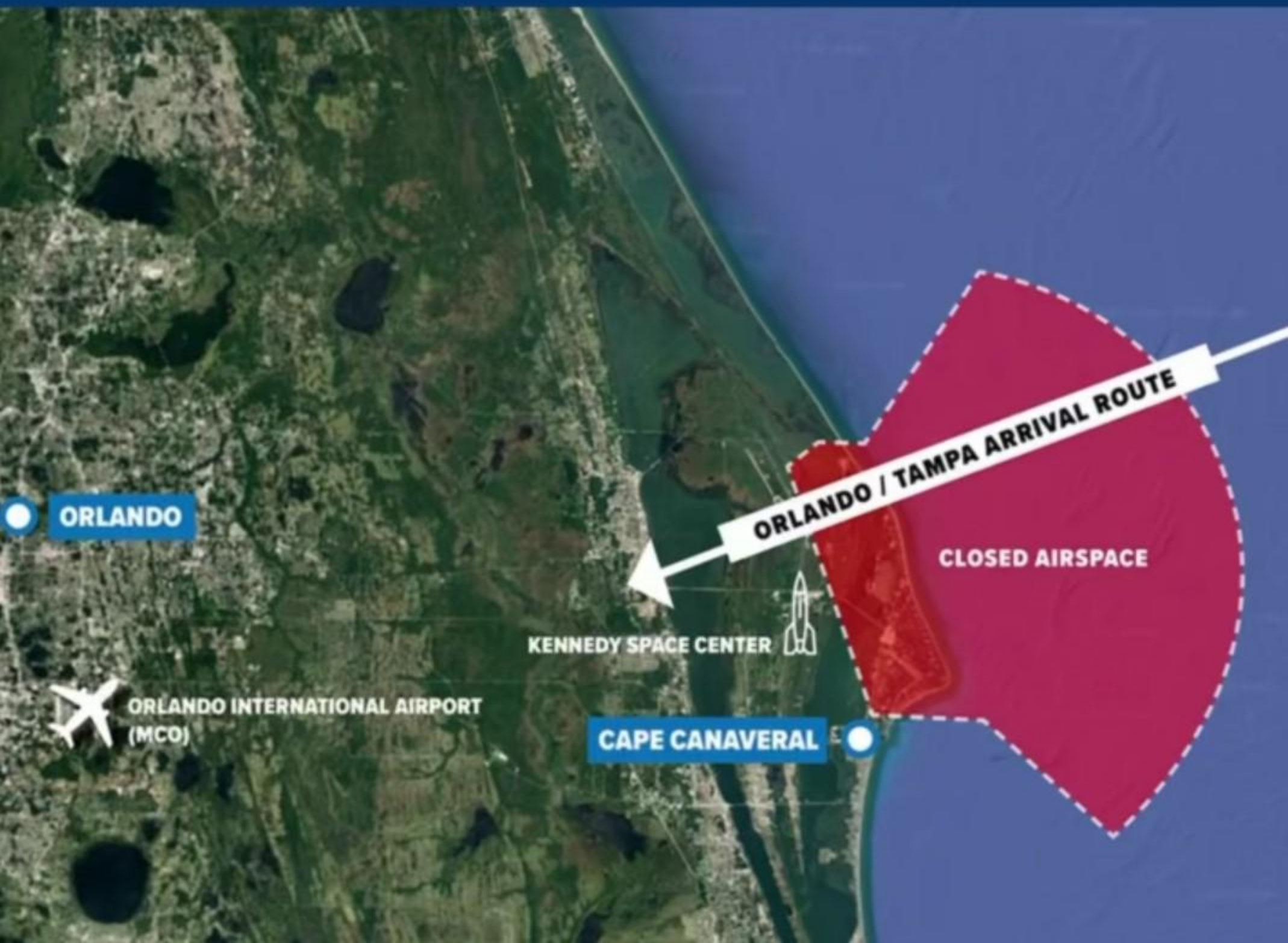
5

**The Space Data Integrator** provides real-time data on the rocket's location. Once the rocket or capsule safely clears the area, we reopen the airspace in just 3 minutes.





We also safely reduced the size of closed airspace minimizing the impact of most launches on Florida routes.





Collaboration with the aviation and space transportation industries continues to reduce the impact of space operations on commercial flights.

