
CYUL
CYOW
Montréal
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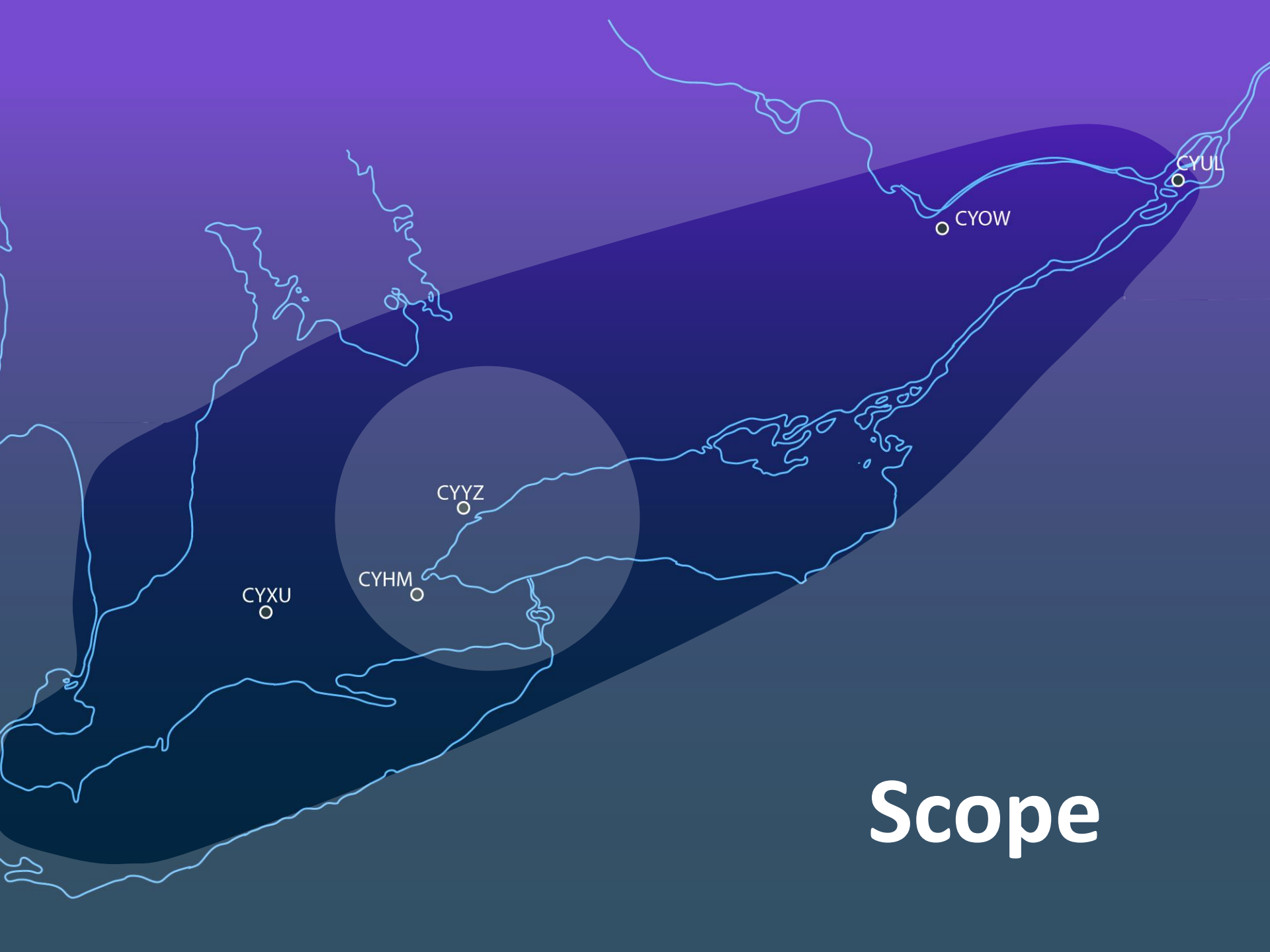
Airspace & Services Review

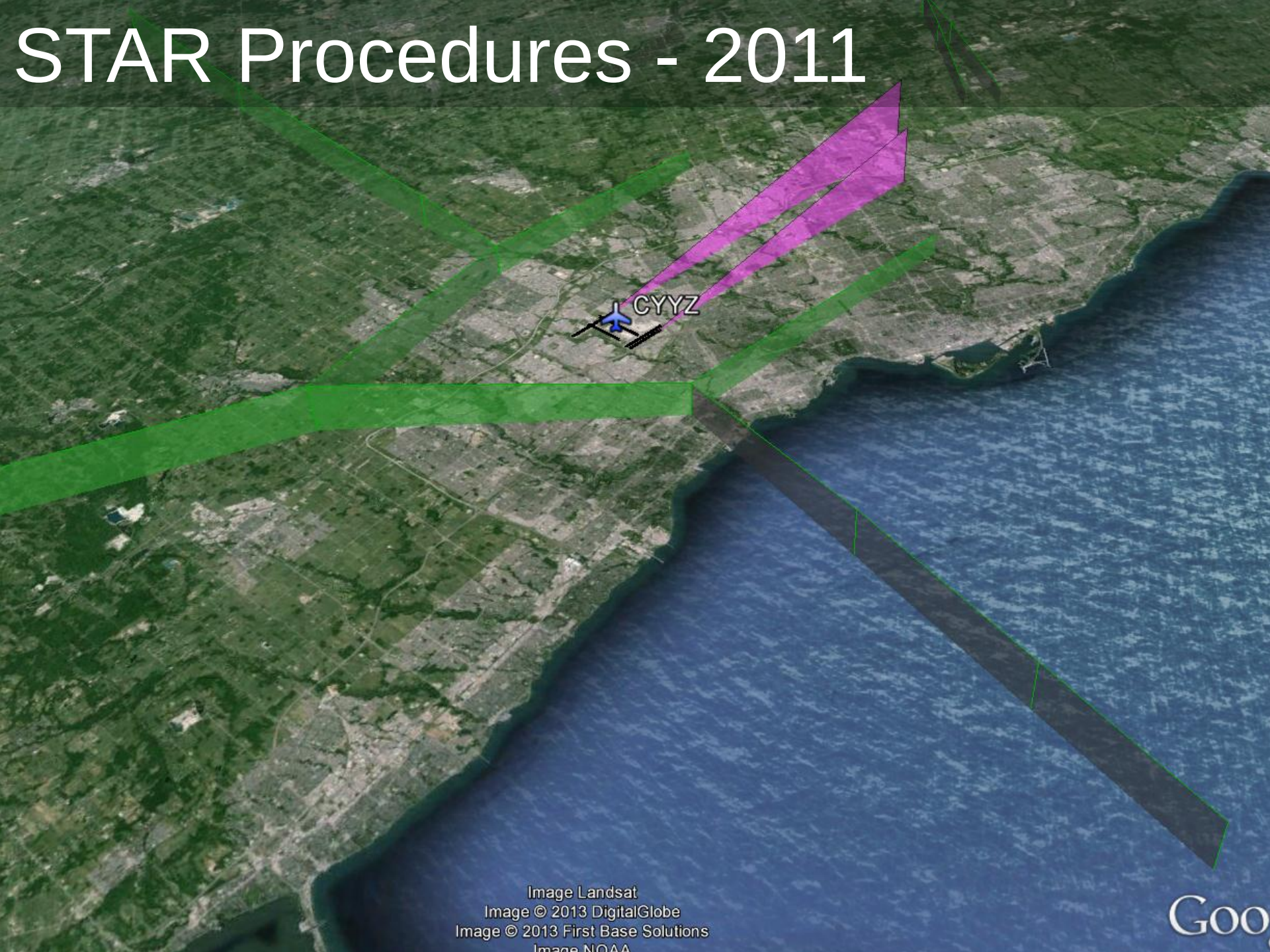


Scope

Project Objectives

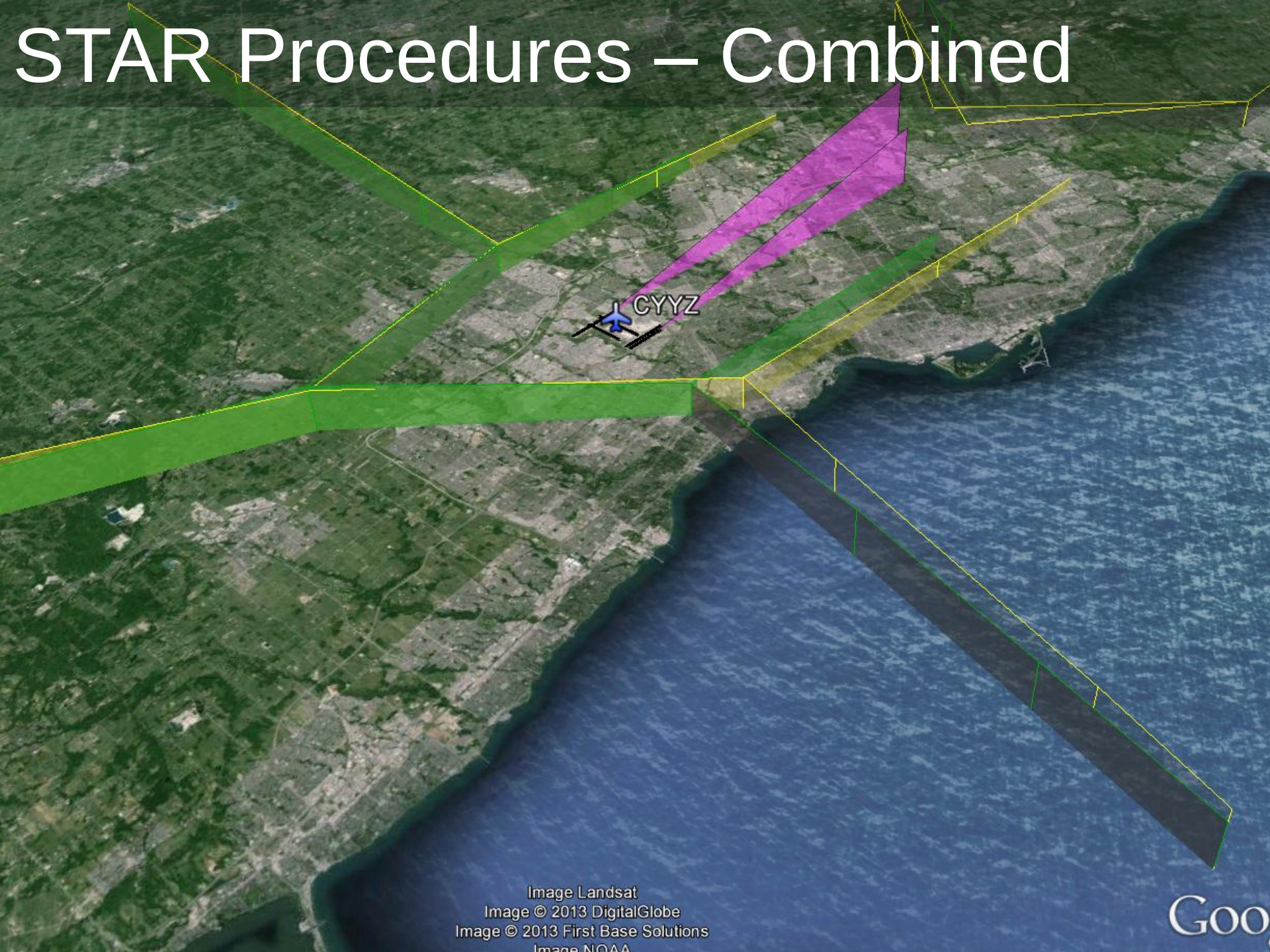
- Align the airspace design with the aircrafts capability
- Create a predictable environment that supports On Time Performance
- Reduce low altitude flat segments
- Make an already safe system even safer

STAR Procedures - 2011

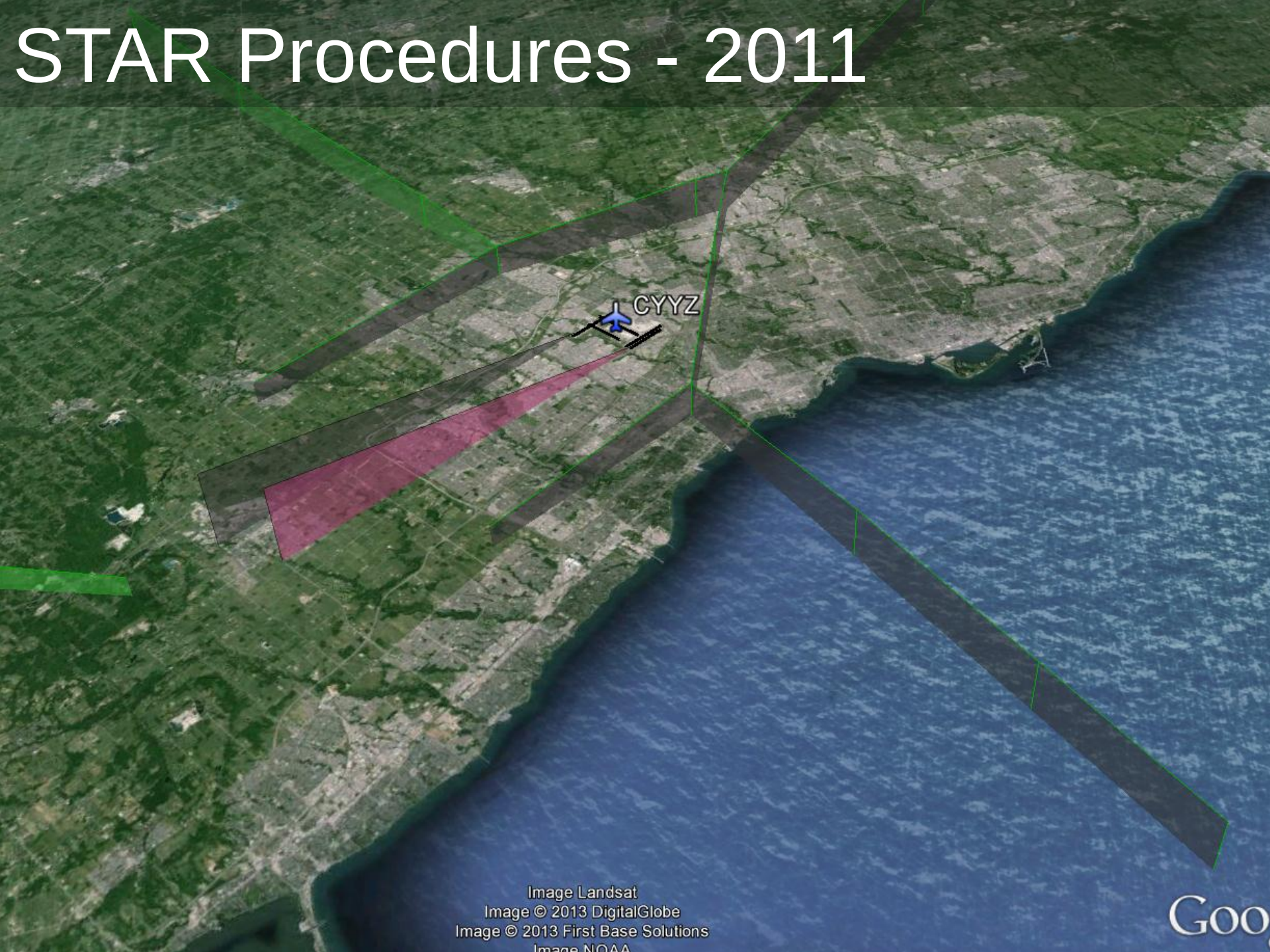


STAR Procedures – 2012

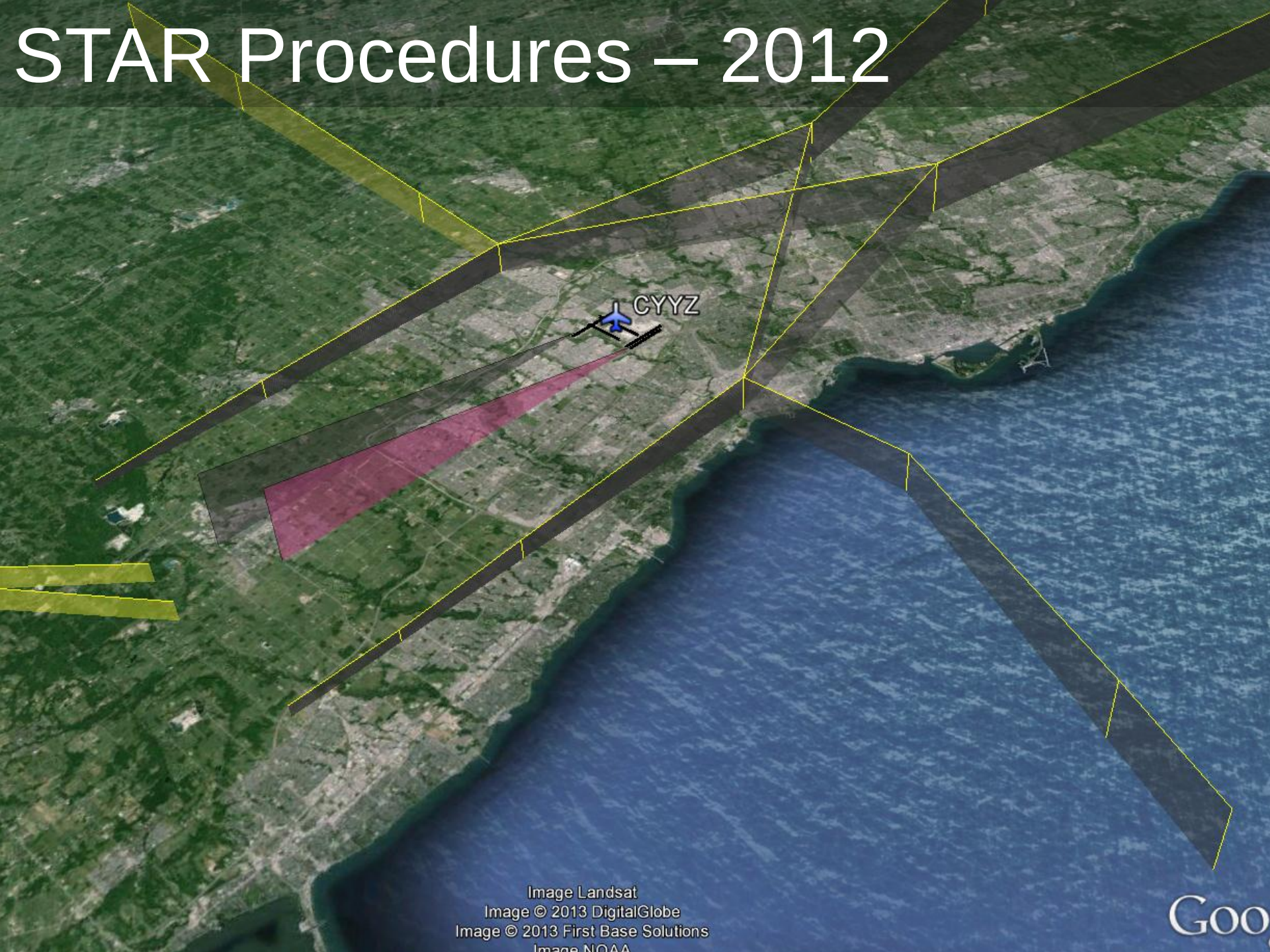
STAR Procedures – Combined



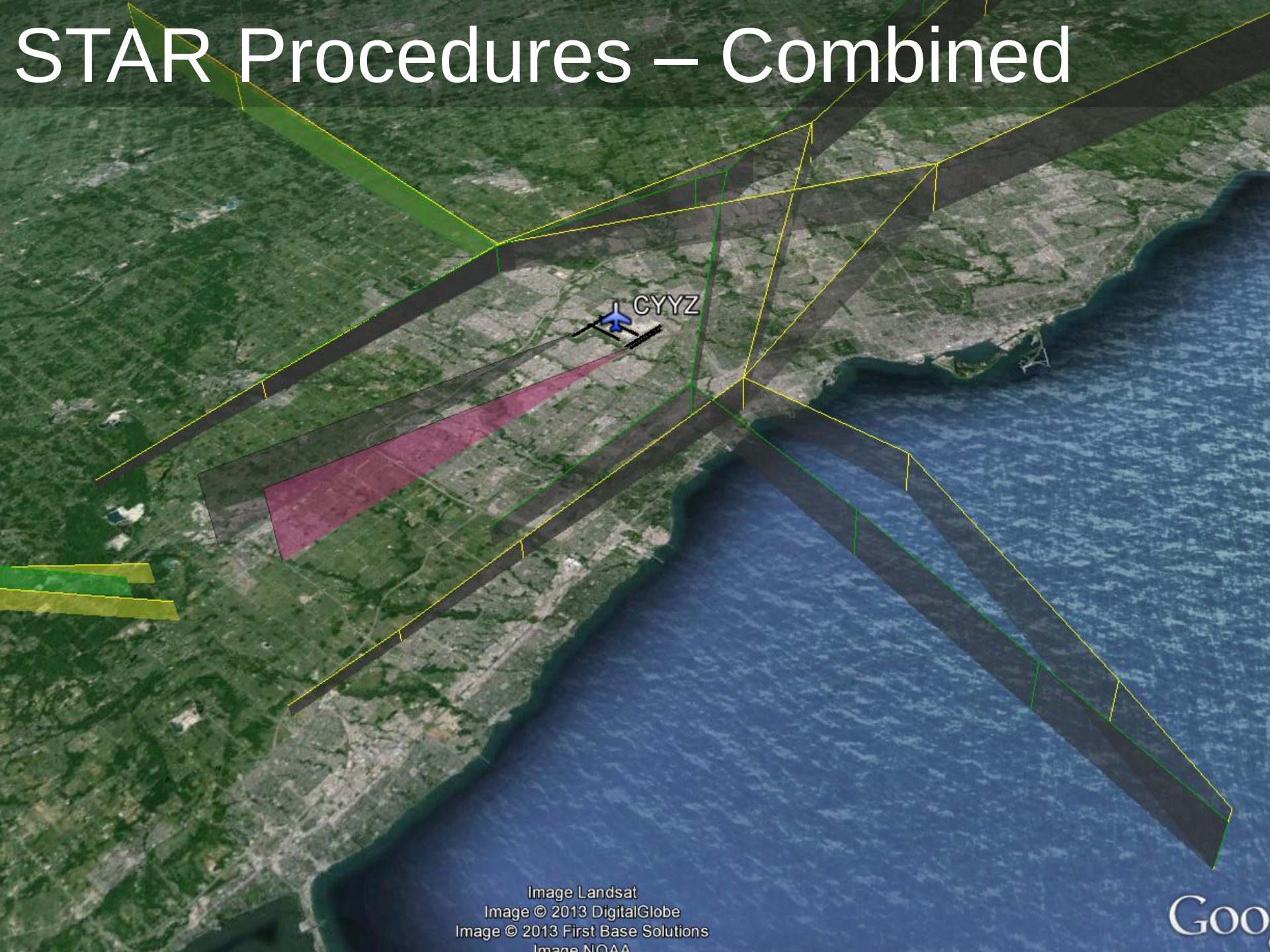
STAR Procedures - 2011



STAR Procedures – 2012



STAR Procedures – Combined

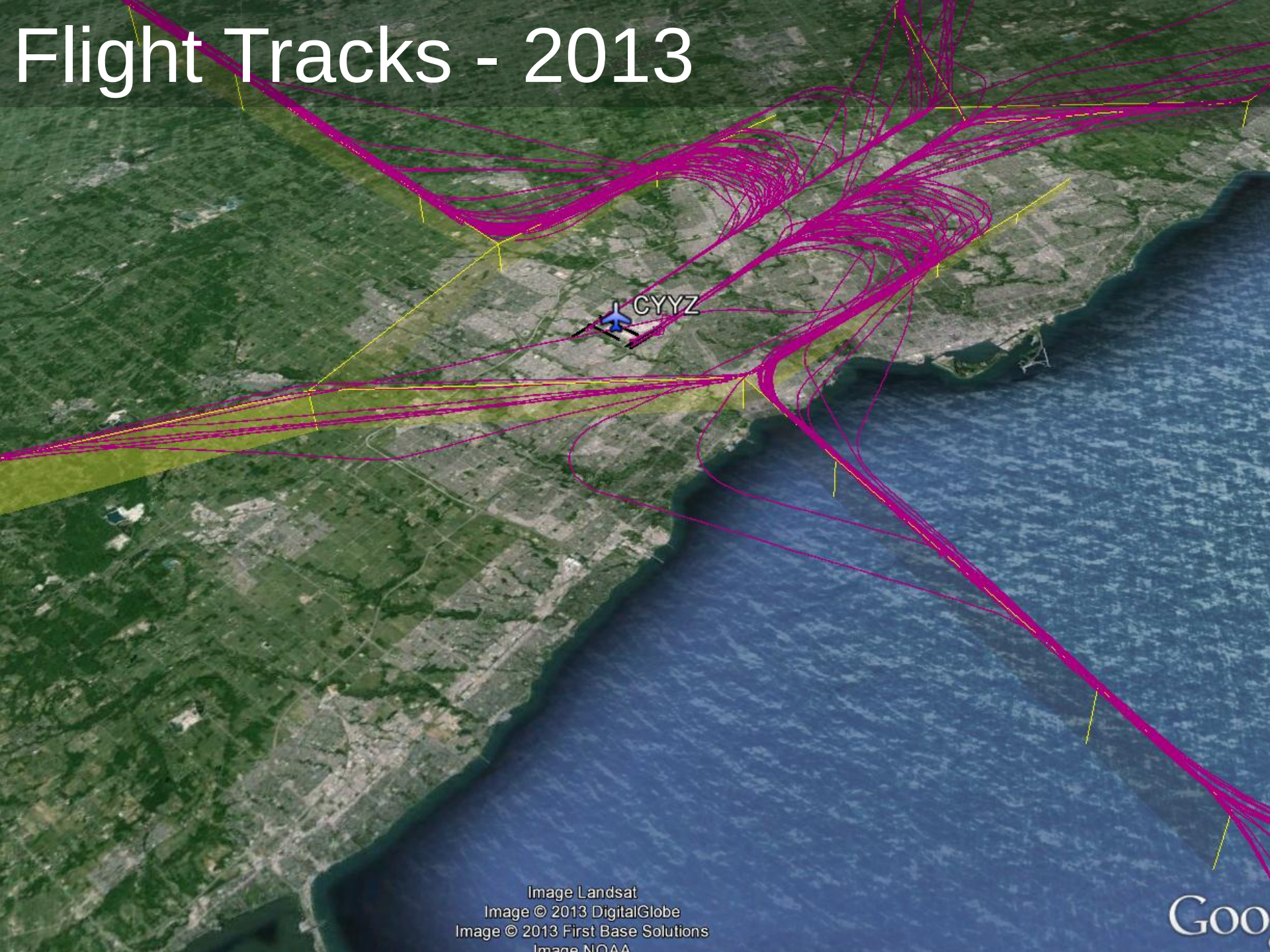


Design Criteria

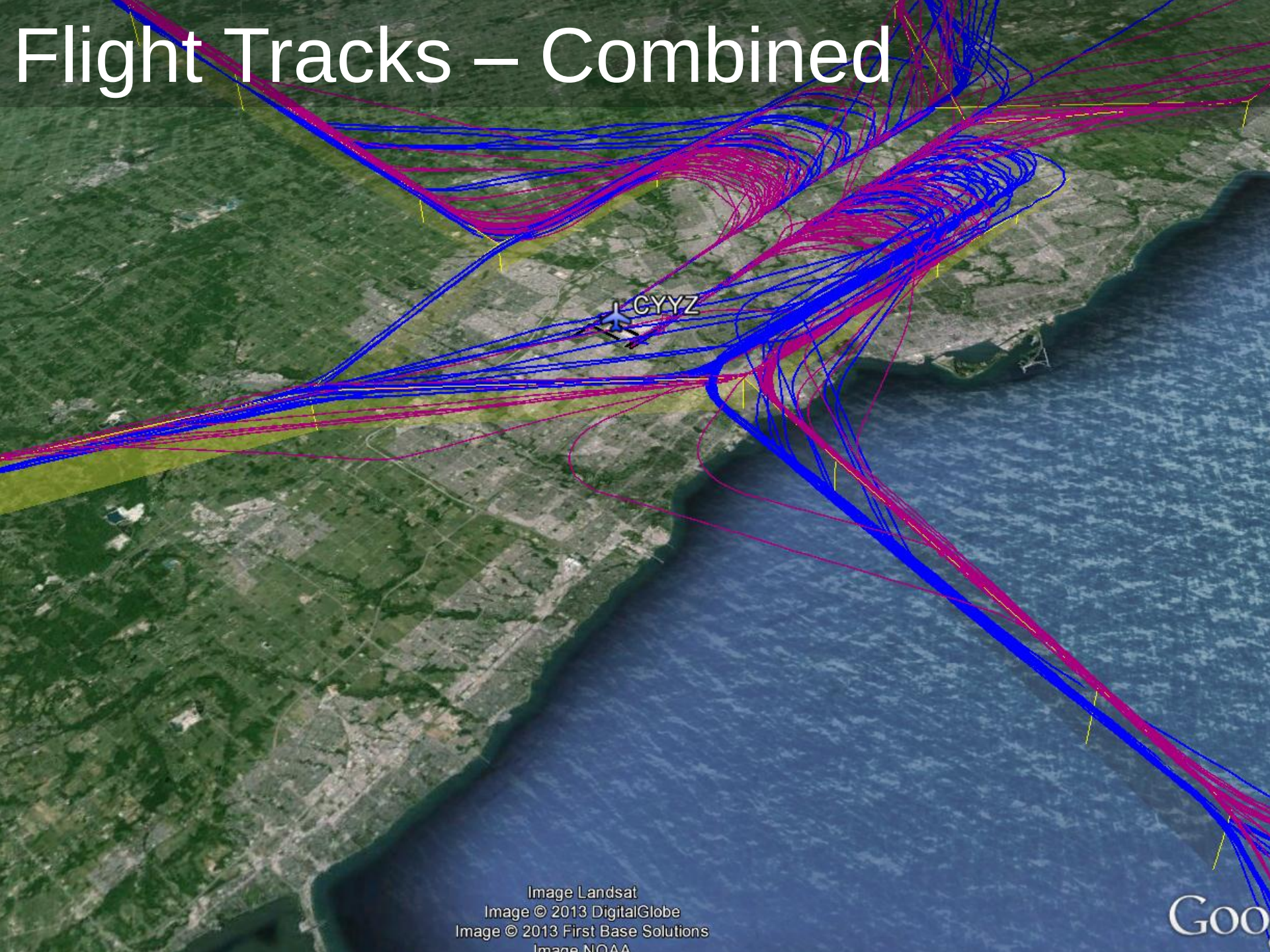
- Aeronautical procedures must be constructed in accordance with Approved Criteria
  - Building Code
- ICAO sets out global standards for all types of procedure designs, including;
  - Approaches
  - SID/STAR
  - Air Routes
- Every 4 years, all procedures must be reviewed and updated in accordance with the latest ‘in force’ criteria
  - Always meeting current building code

Flight Tracks - 2011

Flight Tracks - 2013

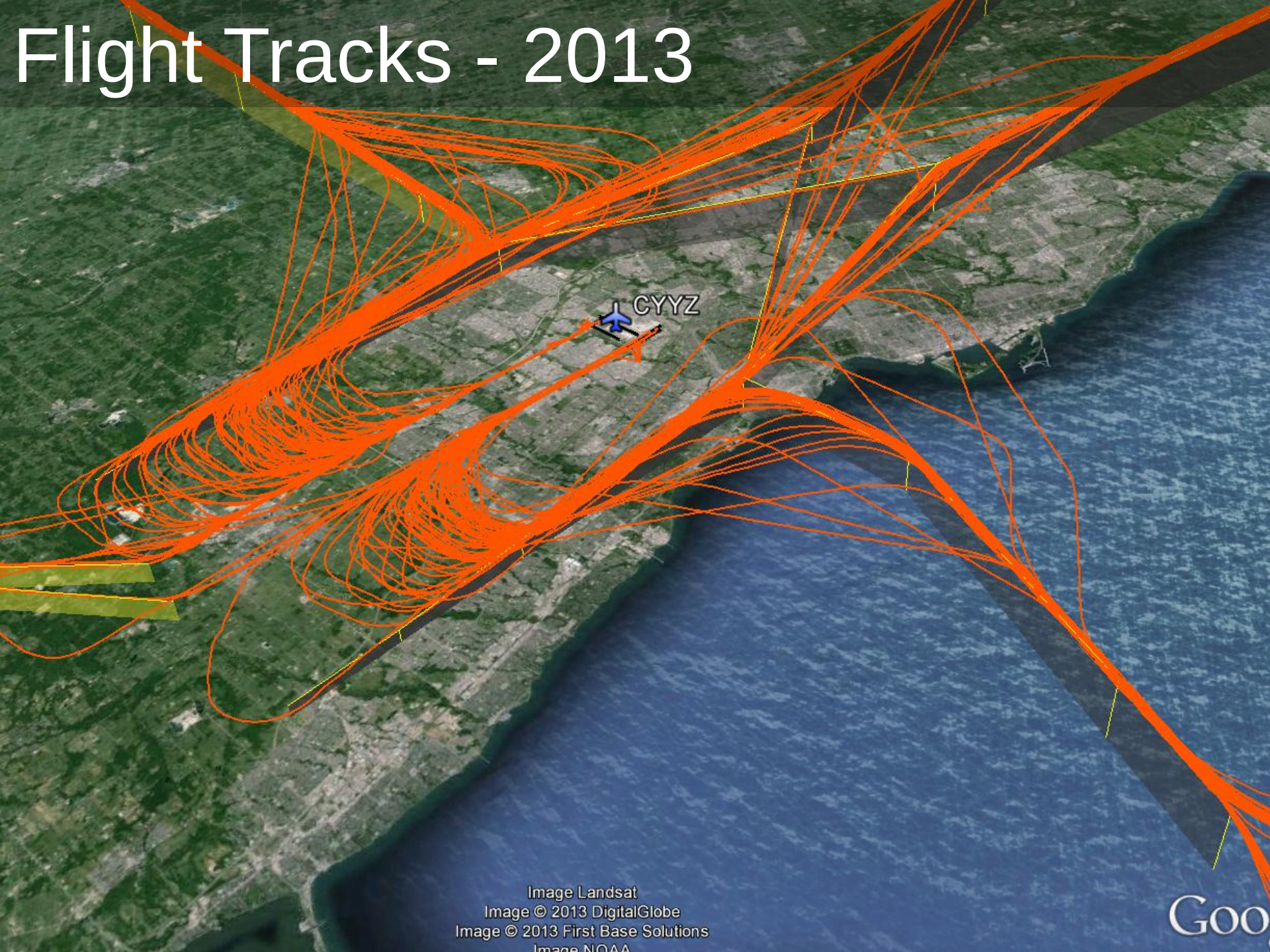


Flight Tracks – Combined

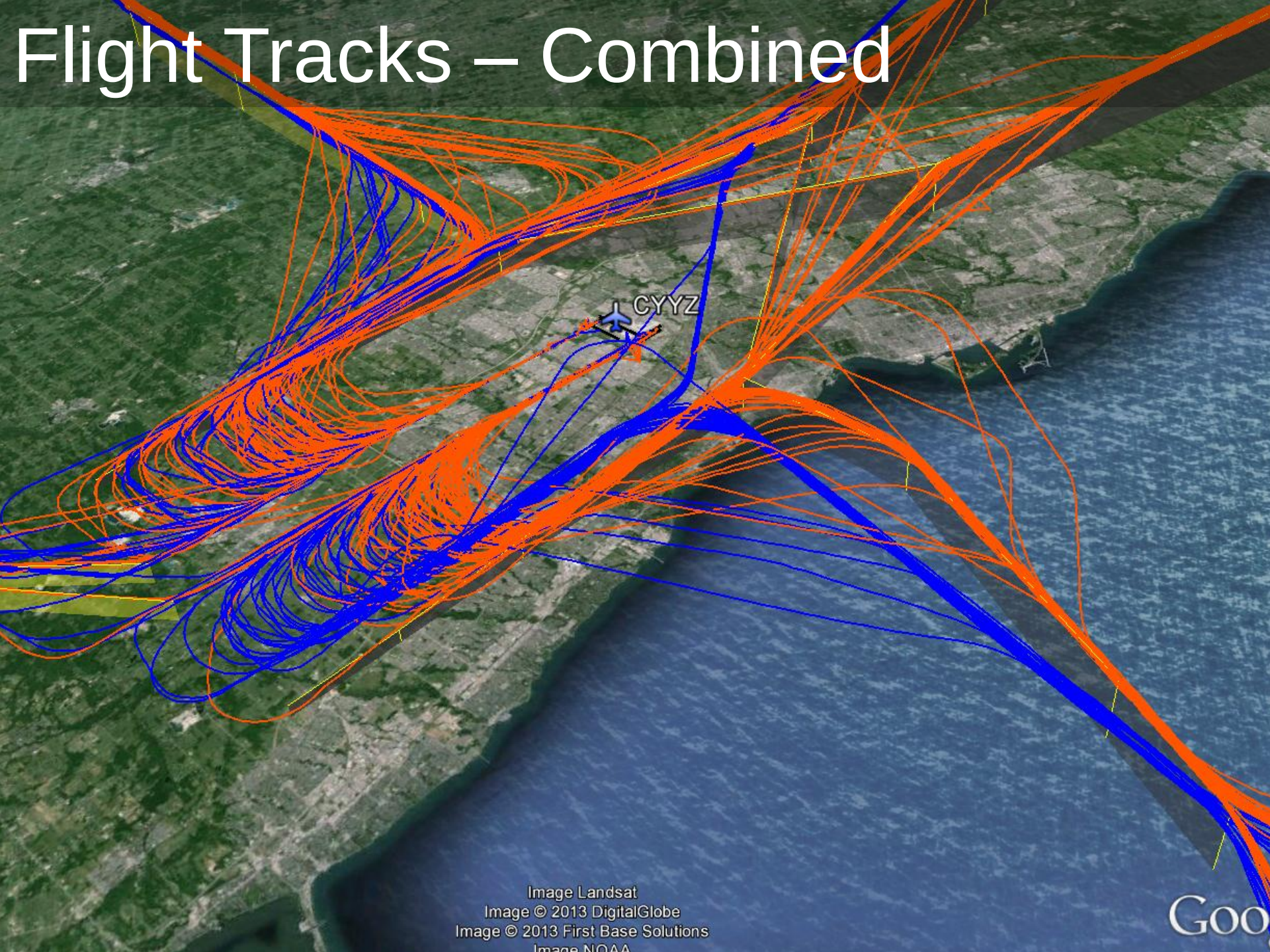


Flight Tracks - 2011

Flight Tracks - 2013



Flight Tracks – Combined



Outcomes

- There are so many variables that affect flights

  Day to Day ♦ Month to Month ♦ Year to Year

- Several airlines have advised NAV CANADA that they have measured a consistent reduction in flight time
- One airline with the capability has released an analysis comparing flights from the 12 months prior to the changes, with the 12 months after.

Emissions reduced by > 12,800 tons GHG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