

The Realities of a Business Case

Purpose

Development

Outcome

Purpose

- Improve the organization
 - Understand the goals of the organization
 - Define metrics for success
- Influence decision makers
 - Obtain use of limited resources
 - Prove value of the effort
 - 80/20 Rule
- Example - Turbulence

Development - Turbulence Example

- Organizations
 - Government
 - Airlines
- Goals & Metrics
 - Safety = Injuries
 - Efficiency/Emissions = Fuel burn
 - Capacity = Altitude blockage
- Constraints
- Decision makers – Who is behind the curtain?

Turbulence Example - Safety

- Current Model
 - PIREPS = Wright Brothers
 - Chat Room
- IF EVERYONE IS STRAPPED IN WITH CARTS STOWED, NO ONE GETS HURT.
- KEY IS NOT TO CRY WOLF & F/A IGNORE WARNINGS

Turbulence Example – Efficiency/Emissions

- Assumptions
 - Optimum altitudes for fuel burn
 - Standard industry values
- Range of primary variables
 - % of times leaving optimum altitude
 - Altitude deviation
 - Time off optimum

Turbulence Example – Capacity

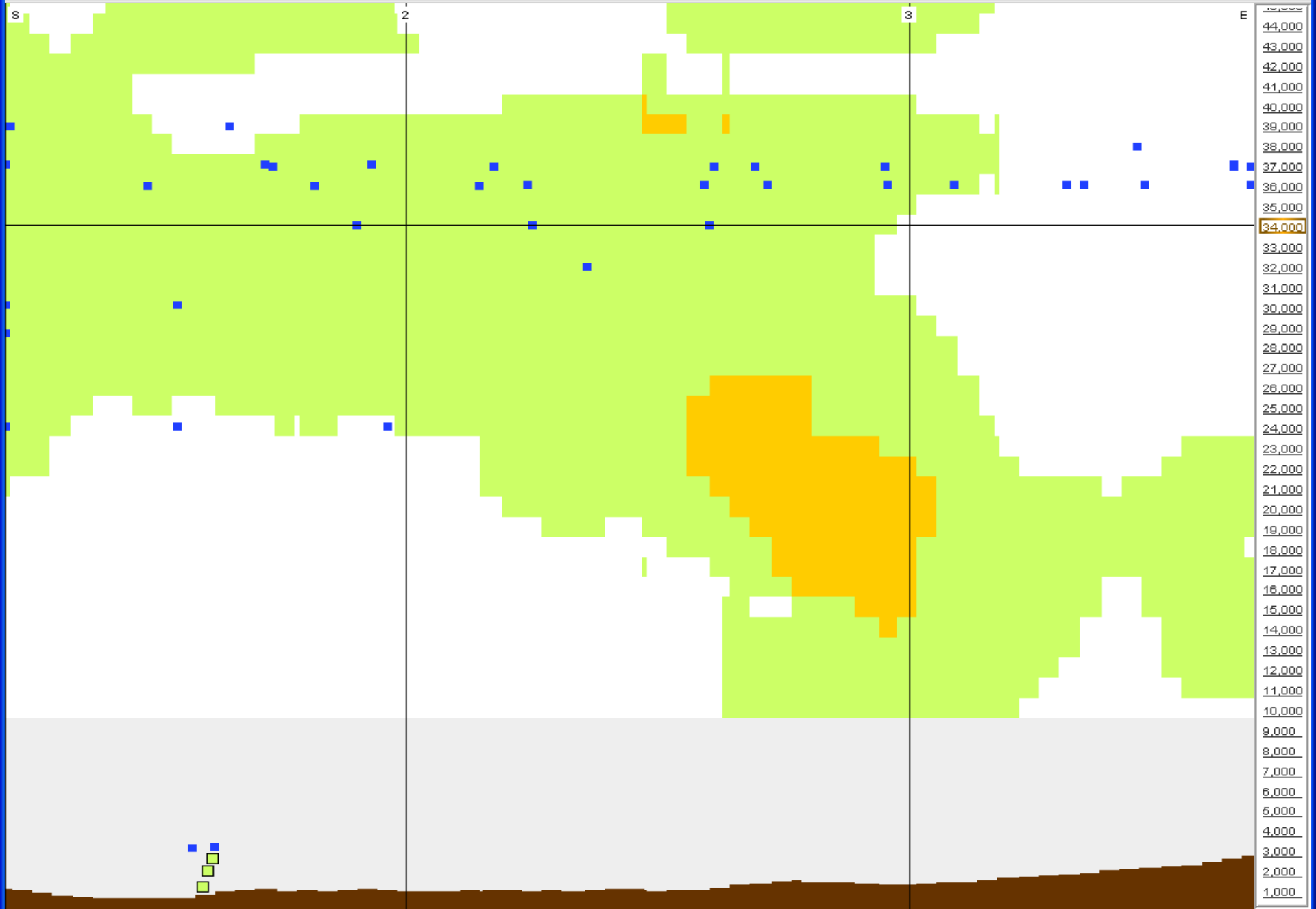
- Assumptions
 - Tools = ATC Chat room, Dispatcher, Upper Air chart, Radar
 - Dispatch vs. en route results
 - De facto blockage
- Variables
 - Reporting subjectivity
 - Cabin management
 - Tolerance/Risk factors
 - Decision drivers
 - Workload drivers

Constraints

- Variability – Meteorology, Dispatch, Pilot, Controller
- Solution Mix for Product
 - Airline, Government, Commercial or Mix
 - Costs burden
- Distractions
 - Airline priority of the day – Mergers, Fuel, Economy
 - FAA Bias toward airline solution
- Political Will
 - FAA – NextGen 4D Weather Cube
 - Airlines – Validate Benefits –Catch 22

Outcome

- **GOAL ATTAINMENT**
 - Was solution sufficient for all organizations?
 - Did metrics meet expectations?
 - Did better data produce Better decisions?
- **DECISION MAKER S**
 - Is there political will to move forward?
 - Who will decide?
- **CATCH 22 - Who will participate & when?**



Inspect Values

