Democratizing access to tools and techniques

THE SEARCH FOR JIM GRAY
Goal of the Amateur Search

Find Jim!
A More Focused Goal for the Amateur Search

Use remote sensing data, analytical tools and volunteers to help direct the search for Tenacious.
High-Tech Techniques

- Collect satellite and aircraft imagery of likely areas
- Use a mix of computational and human processing to look for Tenacious
- Model sea surface conditions and drift to plot trajectories of likely targets
- Fly out to look for them
- Repeat
Low-Tech Techniques

- Keep the story in front of the broadcast and print media
- Poster marinas, talk to harbormasters
- Walk and fly the coast, looking for Tenacious
Other Recent Searches

- James Kim and family
  - Drove off of plowed roads in wintertime, became trapped in the wilderness
  - Cell phone signal eventually used to narrow search, rescue family

- Steve Fossett
  - Small aircraft crashed shortly after takeoff in rugged Nevada wilderness
  - Extensive visual search failed to find craft
How Can We Help the SAR Pros?

- Better remote sensing tools
  - Cell phone signal detection
  - Timely imaging
- Access to Expertise
  - Data manipulation and interpretation
Other Important Issues

- Organization
  - Responsiveness is critical
  - Time is of the essence
  - Funding, administration, governance…

- Jurisdiction
  - More often an issue in land-based SAR
A Jim Gray Question...

How can we apply people and technology to make a positive difference in search and rescue efforts?