

**UNCLASSIFIED** 

## OPERATION DEEP FREEZE



Michael Kehoe
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Michael.W.Kehoe@nga.mil









## A Brief History of NGA Support



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The Dangers of Undetected Crevasses



Photos from 1998 Flight Season





### Collaborating Offices in NGA... UNCLASSIFIED



Office of



Office of Global Asia Pacific Navigation (PV)



**GEOINT Foundation** Office (S2)



**PACOM NST** 

#### ...Provide Support to:



109<sup>th</sup> AW (LC-130)



62<sup>nd</sup> AW (C-17)



US Coast Guard U.S. Antarctic



Program

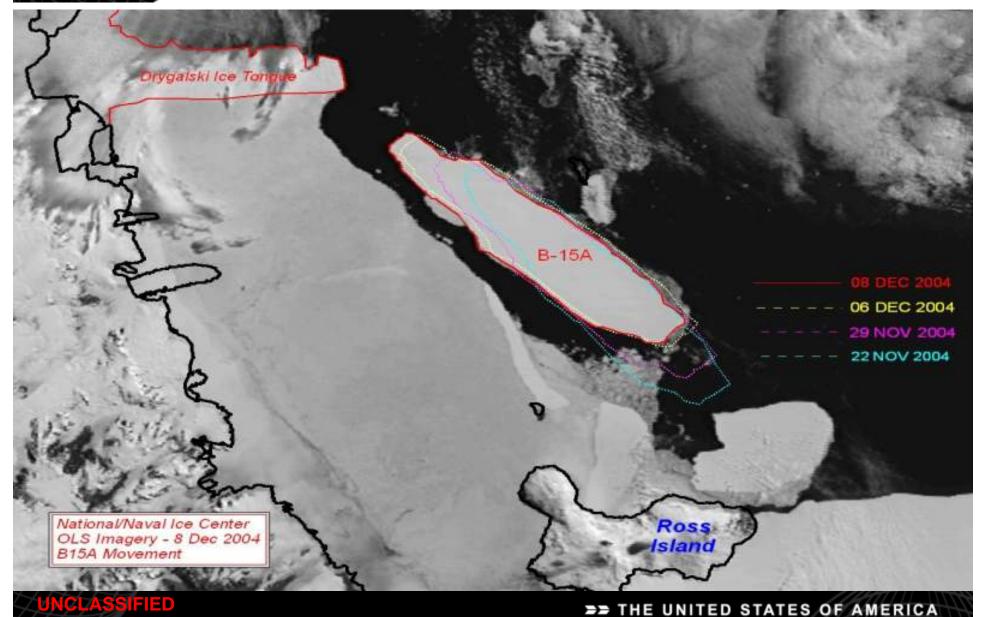
Where we operate from

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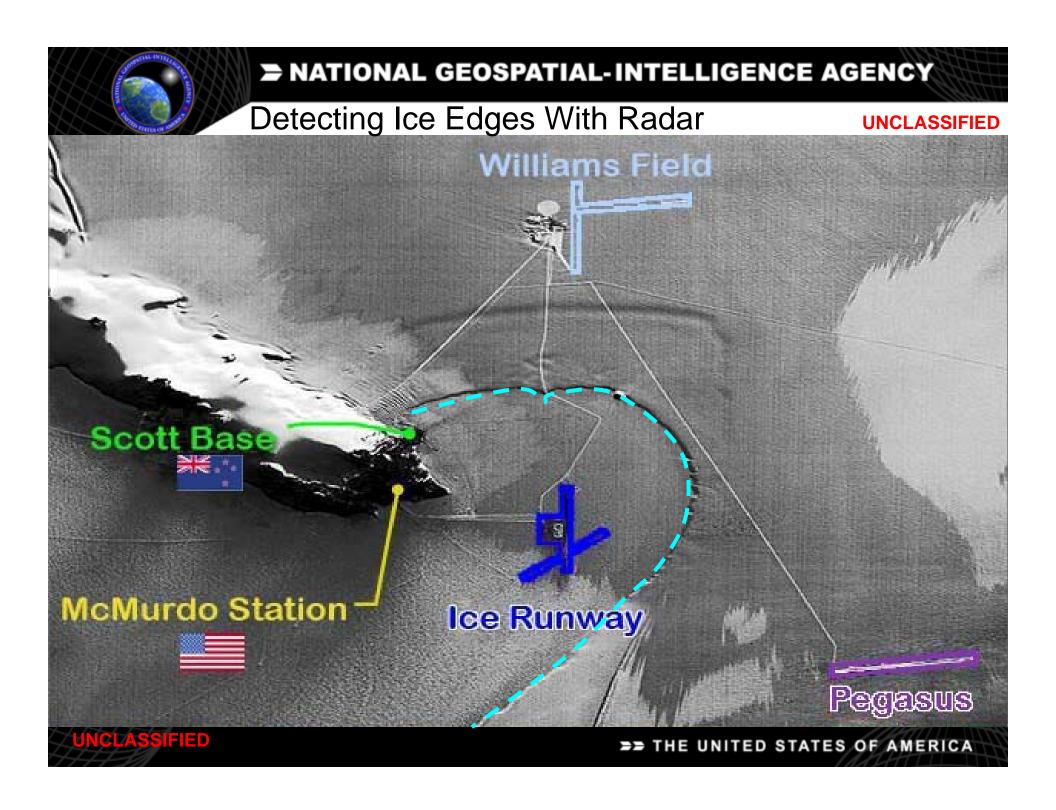
## ➤ NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY **Getting There** UNCLASSIFIED Franklin Beaufort Island WHITE ISLA BLACK ISLAND

**Weird Weather** 



**PVM** Support





## **▶** PVA Support of ODF

- Fifty terminal instrument approach procedures
- Collaboration with S2 for elevation data

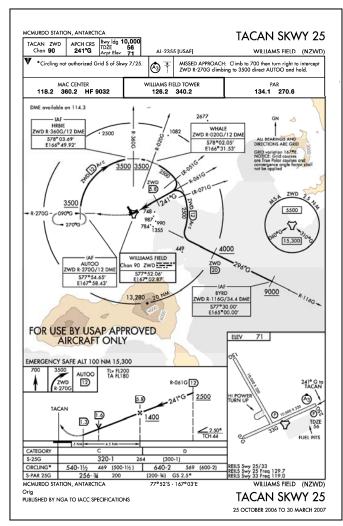


- Continued support for Greenland training sessions
- Ensure safety of navigation for future C-17 South Pole operations and LC-130 deep camp "put-ins"

#### **Terminal Instrument Approach Procedures**

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#### **Production and Updates**





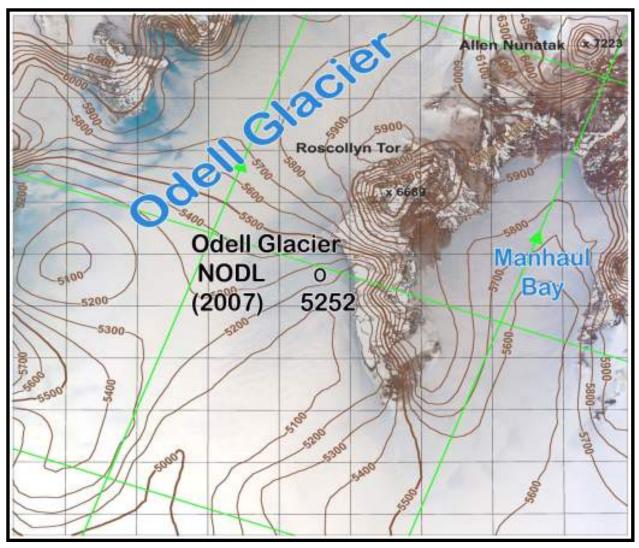
Standardized DoD product increasing safety of navigation



## Non-Standard Landing Sites. UNCLASSIFIED



#### Antarctic Landing Site Graphics (ALSG) UNCLASSIFIED

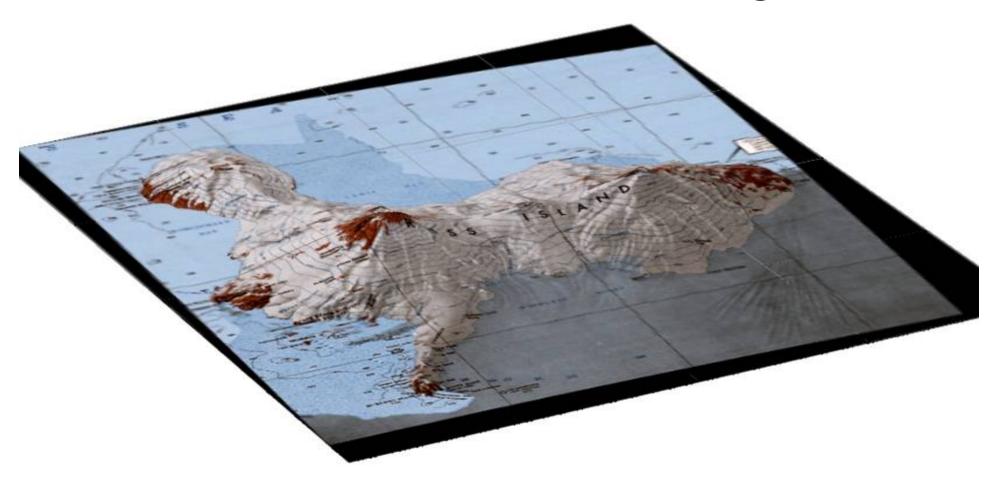






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## 3-D Modeling



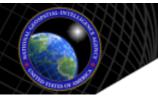
Austral Winter Training in Greenland

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>> THE UNITED STATES OF AMERICA



# Mission Statistics '06/'07 Season

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- 375 Antarctic sorties
- 240 Greenland training sorties
- 10.1 million pounds of cargo
- 5500+ passengers
- 0 Accidents

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