Arctic Range at sunrise on way from FAI to SEA, looking west
Downtown Fairbanks close to sunset 4:30 PM, Temp -47°F, looking WNW over frozen Chena river
View from UAF southward at sunset ~4:30 PM in distance Alaska range ~120 miles away
Items to be presented

RMMA/Jeffco/NCAR RAF: access, hours

Fairbanks

- Timing relative to other agencies
- Total body count: become a sardine?
- Actual weather, clothes
- Lay of the land: i.e. where not to go
- UAF facilities e.g. Rec Center
- GSE needs we know, any others?
- Shipping
@ RMMA/Jeffco NCAR-RAF

• Arrive 3/20 Thursday
• Depart 3/28 Friday

• No badging necessary
• Access avail. on Easter Saturday
• Group will get a few access cards
• Truck from AOC will unload here & DSRC
• Airfreight to FAI will leave from here
<table>
<thead>
<tr>
<th>Activity Name</th>
<th>Start Date</th>
<th>Finish Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCTAS, ARCPAC, ISDAC aircraft deployment schedule</td>
<td>3/24/08</td>
<td>4/25/08</td>
</tr>
<tr>
<td>NOAA Presence at FAI</td>
<td>3/28/08</td>
<td>4/23/08</td>
</tr>
<tr>
<td>NOAA WP3D</td>
<td>3/29/08</td>
<td>5/1/08</td>
</tr>
<tr>
<td>DOE Presence at FAI</td>
<td>3/25/08</td>
<td>5/1/08</td>
</tr>
<tr>
<td>IAR/DOE CV 580</td>
<td>3/25/08</td>
<td>5/1/08</td>
</tr>
<tr>
<td>NASA Presence at FAI</td>
<td>3/25/08</td>
<td>4/21/08</td>
</tr>
<tr>
<td>NASA DC-8</td>
<td>4/1/08</td>
<td>4/21/08</td>
</tr>
<tr>
<td>NASA P-3</td>
<td>4/1/08</td>
<td>4/21/08</td>
</tr>
</tbody>
</table>

NASA B200 2 x 2 days begin of April ⌘ NASA media 1 day 4/13-16
ARCPAC, ARCTAS & ISDAC

• Body count then (as of Oct 07)
  NOAA 35, NASA 55, DOE 25

• Body count now (as of last week)
  NOAA 35 + visitors
  NASA 100 out of 158
  DOE 35
URL: http://climate.gi.alaska.edu/Climate/Fairbanks/index.html
Snow cover: Oct - end of April
Clothes: usually dry, not windy, what shoes(?)
Road to Sophie’s Station
2.2 miles = 5 min
Road to Downtown
5 miles = 12 min
Green Line delineates secure area that can be entered with badge or escort; rest of the area within the airport perimeter fence requires different badge and is a **NO GO** Zone, never ever!

Red circle indicates the old Everts Air Fuel aircraft hangar. Office space is street-side of the whole hangar front.
This is a rack that has a diagonal bar from the wall to the front of the frame – 24' clearance

On ceiling

Office space – see individual diagrams

Bi-fold doors that fold back so that there is a 150' opening

150'
Building Length and Sections: 150 = 6 sections @ 25 ft

2nd Floor

2K
2J 2I 2H 2G
M W 2E 2D 2C
2N 2M 2L

150 ft

1st Floor

1E 1D 1C 1A
M W
1B

28 ft

workspace with access from hangar width 20 ft??

Measures taken from DOE PNL report
## GSE Needed at FAI

<table>
<thead>
<tr>
<th>ARCPAC Ground Equipment Needs</th>
<th>Start Date</th>
<th>Stop Date</th>
<th>Length of Use</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forklift</td>
<td>3/24/08</td>
<td>4/23/08</td>
<td>for unloading/loading incoming freight; several hours</td>
<td></td>
</tr>
<tr>
<td>Forklift platform</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>before and after each flight</td>
<td></td>
</tr>
<tr>
<td>Knuckleboom</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>every other day, several hours</td>
<td></td>
</tr>
<tr>
<td>Ladder</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>6 AM - 6 PM</td>
<td>daily</td>
</tr>
<tr>
<td>B-Stand</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>6 AM - 6 PM</td>
<td>daily? For how long?</td>
</tr>
<tr>
<td>Sissorlift</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>on 2 days in the mission for 2 hrs each</td>
<td></td>
</tr>
<tr>
<td>Other Workstand</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>6 AM - 6 PM</td>
<td>daily; on flight days 4 hrs preflight</td>
</tr>
<tr>
<td>GPU</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>6 AM - 6 PM</td>
<td>on flight days 2 x &amp; on days when WP-3D needs to be moved to allow CV 580 ops</td>
</tr>
<tr>
<td>Tug - Large</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td>30 min each</td>
<td>on flight days 4 hours prior to takeoff, 2 hrs after landing?</td>
</tr>
<tr>
<td>Clean Air Heater</td>
<td>3/28/08</td>
<td>4/23/08</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Surface: Truck via Alcan vs Truck and Roll on/Roll Off Ship
Have different transit time, risk & price, # of handlings
Air: FEDEX, UPS or Airfreight by Airline or Logistics Company
Various #'s of transfers

UPS Air Freight := UPS Supply Chain Solutions.
Max dim: 120" L, 84"W, 76"H.
Max weight per piece is 3000 lbs.
Rates based on 600 lbs/piece
1 day guaranteed to Fairbanks; not guaranteed
2 day guaranteed to Fairbanks; not guaranteed
3rd day service price is not much lower than the 2 day.

FedEx Express:
150 lbs priority overnight to Fairbanks
150 lbs 2 day service
No standard overnight service or 3 day service.
Max dim: 108" L, max 165" girth. (L+Wx2+Hx2)=girth; Max weight 150 lbs for express.

FedEx Air Freight:
No one day service. 1 day=2 day. 2 day=3 day.
Max dim: 119" L, 70" H
Max weight per piece: 2200 lbs
600 lbs 1 day (2 day guaranteed)
600 lbs 2 day (3 day guaranteed)

All air freight charged by dimensional weight. LxWxH/166. No fuel surcharge @ FedEx due to US Gov. contract.
Fedex Express Freight: no next day service to Fairbanks, 2nd day service only; about $2.60 per lbs
max weight: 2300 lbs per pallet
max dim: 119" L - 80" W - 70' tall
cost depends on overall size of shipment:
@8000 lbs pure weight
@400 lbs
light stuff goes by dimensional not true weight

Alaska Airlines: Denver to Fairbanks: No container service from DEN to SEA, but SEA – FAI via ANC
Various services:
GoldStreak Package Express: next-available-flight srvce items up to 100 lbs that need to be there
today - guaranteed*
Priority Air Freight is for time-sensitive shipments that are larger than GoldStreak and need to be at a
destination by a specific time - guaranteed*
General Air Freight is the lowest cost alternative for not time-sensitive shipments & can wait for
space available. Target shipment arrival dates within 48 hours of acceptance.
Max weight single piece 300 lbs (except GoldStreak: 100 lbs, exception to 350 lbs possible)
Max size 34" T x 42" W; Alaska Airlines offers 737 main deck "A - type" ULD container service
between Seattle, Anchorage, and Fairbanks on freighter or combi
Cost: Goldstreak: @ \leq 1 \text{ lb} \text{ down to } 1.40/\text{lb} \geq 250\text{ lbs}; \leq 100\text{lbs}; \text{ no single dim } \geq 70\text{"}, L+H+W \leq 90\text{"}
        Priority: @ \leq 1 \text{ lb} \text{ down to } 1.36/\text{lb} \geq 250\text{ lbs}; \| \leq 300\text{ lbs} (< 350 \text{ lbs} \text{ exception required})
        General Freight: @ \leq 1 \text{ lb} \text{ down to } 1.36/\text{lb} \geq 250\text{ lbs}; \| \leq 34\text{"} T \times 42\text{"} W \times H??

UPS Next Day: More expensive than Fedex
Package up to 150 lbs; <165" length + girth, < 108" length
UPS Next Day Air,
UPS 2nd Day Air; BUT: no UPS 2nd Day Air Saver service to Fairbanks
UPS Air Freight or Express Freight (?)< 3000 lbs; < 120" L - 83" W - 76" H

UPS Supply chain:
UPS Next Day Air Freight, really 2nd day
UPS 2nd Day Air Freight, delivered on 3rd
UPS 4-6 Day Air
SHIPPING

Current Status:
• Sum DEN - AOC: 18000 lbs
• On AC: ?? Lbs + crates = ??

Declared for FAI:
• Surface: 7250 lbs (incomplete!)
• Air: 4511 lbs (incomplete??)
• Total: 11761 lbs (incomplete!)

• Prices all over: $0.89/lb to $5.90

• Under 150 lbs, Max dim: 108" L, max 165" girth. (L+Wx2+Hx2) => 2nd day Fedex

• Above 150 lbs: stand by until Monday
Facilities at UAF

• NWS offices on campus
• Meeting rooms
• Auditorium
• Library
• Rec Center
What did I forget?

*Items to be presented:*
- Timing relative to other agencies
- Total body count: become a sardine?
- Actual weather, clothes
- Lay of the land: i.e. where not to go
- UAF Rec Center
- GSE needs we know, any others?
- Shipping

*Forgotten:*
- IT at Everts
- Badging procedures & status
THANKS