Presentation Overview

- Deployment Schedule
- Labs
- Accommodations
- Shipping & Logistics
- Communications
- Contacts

**BIG CAVEAT:** This is preliminary planning info and subject to change!
# INTEX-B/DC8 Schedule*

<table>
<thead>
<tr>
<th>Location</th>
<th>Event</th>
<th>Date (2006)</th>
<th>Flights</th>
<th>Flight hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UND (Grand Forks)</td>
<td>Integration</td>
<td>1/16-2/16</td>
<td>0</td>
<td>0</td>
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<tr>
<td>UND</td>
<td>Test flights</td>
<td>2/17-2/27</td>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>Transit to Houston</td>
<td>Transit</td>
<td>2/28</td>
<td>1</td>
<td>4</td>
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<tr>
<td>Houston</td>
<td>Science Flights</td>
<td>3/1-3/21</td>
<td>5</td>
<td>42</td>
</tr>
<tr>
<td>Transit to UND</td>
<td>Transit</td>
<td>3/22</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Break</td>
<td>Break</td>
<td>3/23-4/12</td>
<td>0</td>
<td>0</td>
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<tr>
<td>UND Prep</td>
<td>Preparation</td>
<td>4/13-4/16</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Transit to Hawaii</td>
<td>Transit</td>
<td>4/17</td>
<td>1</td>
<td>9</td>
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<tr>
<td>Hawaii</td>
<td>Science Flights</td>
<td>4/18-4/29</td>
<td>3</td>
<td>24</td>
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<tr>
<td>Transit to Anchorage</td>
<td>Transit</td>
<td>4/30</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Anchorage</td>
<td>Science Flights</td>
<td>5/1-5/14</td>
<td>4</td>
<td>35</td>
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<tr>
<td>Transit to UND</td>
<td>Transit</td>
<td>5/15</td>
<td>1</td>
<td>6</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>19</strong></td>
<td><strong>140</strong></td>
<td></td>
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</table>

*Additional flight hours, if available, will be use to add 1 flight each at Houston & Anchorage
Travel & Accommodations

• Individuals responsible for their own reservations.

• SAIC Travel
  • For non-Civil Servants, the SAIC Project Support Office is handling air and rental car arrangements.

• Hotels
  • Room Blocks/Rates are under negotiation. Should be available by 12-1-05.
  
  • Exploring Base Housing at Hickam.
    • Roughly 25% cost of local hotels.
    • U.S. Citizens only.
    • No guest privileges.

• DC-8 Passengers: ESPO will help you with rental cars.

• Cost Control is important - High cost deployment sites.
  • Tax exemptions where available.
  • FYI: Twice weekly charter service HNL-ANC for about $375.
Lab Description & Support

• Lab Space
  • Identified for all locations.
  • Layouts to be provided.

• Network
  • Labs have 1.0 MB minimum shared connection.
  • Ethernet connection plus wireless.
  • DHCP to be provided (details still in work).
  • Please be sure to have virus protection SW on your computer.
  • Administration & support provided by ESPO.

• No in-field data archive.
• Project Office will supply furniture, printers, copy machine, fax.

• Please advise ESPO of your lab and network requirements.
Security & Access

• Badging
  • Badging requests required for four sites:
    • GFAFB, EFD, Hickam, Kulis.
    • Will try to coordinate/combine approvals btn facilities.
  • Flightline badges for ground/flight crew required.
    • Training may be required.
  • Escorting for Foreign National personnel is required at military facilities.
    • Badges must be displayed.
• Vehicle passes required at GFAFB and HAFB.
Shipping & Logistics

- Project Office will supply standard gasses and cryogens.
  - Compressed nitrogen, compressed air, liquid nitrogen and dry ice.
  - Specialty gasses, calibration gasses and chemicals will need to be shipped.
- ESPO will ship instrument & aircraft support equipment from UND to each deployment site and will return the equipment to UND at the end of the project.
- We plan to leave equipment in Houston for airlift to Hawaii.
- Tentative Shipping Schedule
  - 25 Feb: One shipment leaving UND to Houston.
  - 15 Apr: Airlift from EFD to Hickam AFB.
  - 29 Apr: Airlift from Hickam AFB to ANC/Kulis.
  - 16 May: One shipment leaving Kulis to UND.
  - Dates could change depending on flight schedule.
Communications

• Meetings & Briefings
  • On Science Flight days: Pre-flight briefing 2 hours prior to T/O.
  • On non-flight days:
    • Flight Planning team mtgs (joint w/NSF?)
    • Science team mtgs.
    • Joint coordination telecons/videocons as required.
• Cell phone coverage at all deployment sites.
• Conferencing
  • Videoconferencing or internet meet-me service being studied.
    • Cost and feasibility TBD.
  • Back-up: Telecon meet-me with posted/e-mailed files.
• Public Affairs, Education, and Outreach
• In the field……
  • Phone lists provided after site arrival.
  • Daily message phone.
  • News & activities posted in office areas.
INTEX-NA is a two phase experiment that aims to understand the transport and transformation of gases and aerosols on transcontinental/intercontinental scales and to assess their impact on air quality and climate. The primary constituents of interest are ozone and its precursors, aerosols and their precursors, and the long-lived greenhouse gases. The first phase (INTEX-A) was completed in the summer of 2004 and the second phase (INTEX-B) will be performed in the spring of 2006.

INTEX-B will be performed during an 8-week period from March 1 to April 30, 2006. The first part of the study will be performed during March and will focus on Mexico City pollution outflow while the second part will be performed during April and will focus on Asian pollution inflow.

The INTEX-B mission is sponsored by the Tropospheric Chemistry Program at NASA Headquarters. Further programmatic enquiries should be directed to Dr. Bruce Doddridge, Tropospheric Chemistry Program Manager.
Other Misc Information

• INTEX web sites:
  • Mission: http://cloud1.arc.nasa.gov/intex-b
  • Data Archive: http://www-air.larc.nasa.gov/missions/intex-b/intexb.html
  • NSF/MILAGRO: http://www.joss.ucar.edu/milagro
Deployment Contact Info

• ESPO Contact Info
  • Mike Gaunce Sites: Veracruz, Honolulu, Anchorage
    mgaunce@arc.nasa.gov  650-604-1266 C: 650-455-4964
  • Mike Craig Sites: Grand Forks, Houston
    mcraig@arc.nasa.gov  650-604-6586
  • Kent Shiffer Sites: Seattle
    kshiffer@arc.nasa.gov  650-604-4151
  • Quincy Allison Shipping & Logistics
    qallison@mail.arc.nasa.gov  650-604-3493 C: 650-575-9415
  • Kathy Thompson Project Coordinator
    kathyathompson@qwest.net  303-494-9360
• DC-8
  • Rick Shetter NSERC Director
    r.shetter@nserc.und.edu  701-777-6040 C: 701-330-2126
  • Dave Easmunt Mission Manager
    David.P.Easmunt@nasa.gov  757-824-1376
• SAIC Travel
  • Web site: http://lposun.larc.nasa.gov/pso.
  • POC: Roy Chesson, (757) 827-4686
Open Issues

• Confirm Room Blocks & Rates.
• Confirm conferencing requirements.
• Needs detailed requirements from PIs:
  • Network
  • Shipping
  • Hazardous Items
  • Gases
  • Other
  • Follow-up requests coming.

Note: Please provide web content (e.g., instrument descriptions) you would like to have posted to web site.
Back-up Charts
AK Local Area Info

• Kulis ANG: 5 miles WSW of downtown Anchorage; adjacent to ANC
• Lat/Long: 61° N, 149° W
• Getting There:
  • Multiple daily flights via Seattle (Alaska, Continental).
  • Daily non-stops through some hubs.
• Average Spring weather: 28 - 43 °F
  • Likelihood of sunshine: 51%
• Time: AKST (GMT-9)
• Area code: 907
• Per diem rates: $95 lodging, $65 M&IE per day (before 4/30).
  $170 lodging, $71 M&IE per day (after 4/30).
• Local Links:
  • Kulis: http://www.akang.ang.af.mil
  • Anchorage: http://www.anchorage.net

• Local tip: Don’t Feed Moose.
Kulis ANG/ANC

- Runways at ANC with taxi-ways:
  - 14/32 at 11,500 ft
  - 07R/25L at 10,900 ft
  - 07L/25R at 10,600 ft

- Kulis would provide ramp space, lab space, fuel, and most GSE.
  - Labs located about 300 yards from A/C.

- NASA would provide:
  - Lab set-up and facility operation
  - Network
  - Some GSE (TBD)
  - Some mobile office space (TBD)
  - Reimbursement for: Fuel, Phones, etc.

- Badging and access approval required.

- Core hours: 8-4 M-F. NASA would have 24/7, but would need to schedule after hour support.
HI Local Area Info

- Hickam: 10 miles W of downtown Honolulu; adjacent to HNL
- Lat/Long: 21° N, 157° W
- Getting There:
  - Multiple daily flights via LAX & SFO (United, American).
  - Daily non-stops through some hubs.
- Average Spring weather: 69 - 82 °F
  - Likelihood of sunshine: 70%
- Time: GMT-10
- Area code: 808
- Per diem rates: $129 lodging, $77 M&IE per day.
- Local Links:
  - Hickam: http://www2.hickam.af.mil
  - Oahu: http://www.visit-oahu.com/home.aspx
- Local tip: Da kine, haole.
Hickam AFB/HNL

- Runways at HNL with taxi-ways:
  - 04R/22L at 9000 ft
  - 04L/22R at 7000 ft
  - 08R/26L at 12,000 ft
  - 08L/26R at 12,300 ft
- Hickam would provide ramp space, lab space, fuel, and GSE.
  - Labs located adjacent to A/C ramp.
- NASA would provide:
  - Lab set-up and facility operation
  - Network
  - Reimbursement for: Fuel, Phones, etc.
- Badging and access approval required.
  - Foreign Nationals to be escorted.
- NASA would have 24/7 access.
TX Local Area Info

- Ellington Field: 15 miles SE of downtown Houston in Clear Lake
- Lat/Long: 29° N, 95° W
- Getting There:
  - IAH: 35 miles (Continental hub).
  - Hobby: 8 miles (Southwest hub).
- Average March weather: 51 - 73 °F
  - Likelihood of sunshine: 52%
- Time: CST (GMT- 6)
- Area code: 281
- Per diem rates: $92 lodging, $59 M&IE per day
- Local Links:
  - Ellington: http://efd.houstonairportsystem.org
  - Houston: http://www.houston-guide.com

- Local tip: March is the best month to be in Houston.
# INTEX-B 2006
## Key Personnel

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bruce Doddridge</td>
<td>Program Manager</td>
<td>NASA HQ</td>
</tr>
<tr>
<td>Hanwant Singh</td>
<td>Lead Mission Scientist</td>
<td>ARC</td>
</tr>
<tr>
<td>Daniel Jacob</td>
<td>Co-Mission Scientist, Flight Planning</td>
<td>Harvard Univ</td>
</tr>
<tr>
<td>Jim Crawford</td>
<td>Co-Mission Scientist, Data</td>
<td>LaRC</td>
</tr>
<tr>
<td>Bill Brune</td>
<td>Co-Mission Scientist, C-130</td>
<td>Penn State</td>
</tr>
<tr>
<td>Mike Gaunce</td>
<td>Project Manager</td>
<td>ARC</td>
</tr>
<tr>
<td>Michael Craig</td>
<td>Project Co-Manager</td>
<td>ARC</td>
</tr>
<tr>
<td>Kent Shiffer</td>
<td>IMPEX Project Manager</td>
<td>ARC</td>
</tr>
<tr>
<td>Dave Easmunt</td>
<td>Mission Manager</td>
<td>WFF</td>
</tr>
<tr>
<td>Kathy Thompson</td>
<td>Project Coordinator</td>
<td>CSC</td>
</tr>
<tr>
<td>Sue Tolley</td>
<td>Logistics &amp; Coordination</td>
<td>ARC</td>
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<tr>
<td>Quincy Allison</td>
<td>Logistics &amp; Network</td>
<td>ARC</td>
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<tr>
<td>Ali Aknan</td>
<td>Data Manager</td>
<td>LaRC</td>
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<tr>
<td>Greg Klinedinst</td>
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