CDA in Process

- CIVET FIVE Crossing Altitudes Calculated
- New STAR in Process
  - 32 routes modified for TEC N
  - New STAR at ONT
  - Coordination with 27 towers, 4 radar facilities
- Optimized Descent RNAV Arrival Published at LGB
- Procedure Testing at LGB
CIVET SIX ARRIVAL
NOTE: DME and RADAR required.

Aircraft to proceed via RWY 25L unless otherwise instructed by ATC
CIVET SIX ARRIVAL

9/05/2006

Aircraft to proceed via RWY 25L
unless otherwise instructed by ATC

NOTE: DME and RADAR required.
LGB Optimized Descent

- LGB RNAV (RNP) Y RWY 30 designed for CDA
- JBU August 19th test
## LGB RNAV (RNP) Y RWY 30 Descent Calculations

<table>
<thead>
<tr>
<th>Segment</th>
<th>Minimum ft/nm</th>
<th>Maximum ft/nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAYOH - KECES</td>
<td>104.17</td>
<td>416.67</td>
</tr>
<tr>
<td>KECES - ELB</td>
<td>64.94</td>
<td>389.61</td>
</tr>
<tr>
<td>ELB - RUGOY</td>
<td>230.35</td>
<td>365.85</td>
</tr>
<tr>
<td>RUGOY - LUCIG</td>
<td>264.80</td>
<td>311.53</td>
</tr>
<tr>
<td>LUCIG - GUNEY</td>
<td>80.00</td>
<td>140.00</td>
</tr>
</tbody>
</table>

### CDA Potential at 2.5 degree descent angle (265.12 ft/nm)

<table>
<thead>
<tr>
<th>Cross Fix</th>
<th>Minimum Altitude</th>
<th>Altitude at 265 ft/nm</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAYOH</td>
<td>8000</td>
<td>8456.09</td>
</tr>
<tr>
<td>KECES</td>
<td>7000</td>
<td>7183.51</td>
</tr>
<tr>
<td>ELB</td>
<td>5700</td>
<td>5958.66</td>
</tr>
<tr>
<td>RUGOY</td>
<td>4000</td>
<td>4002.07</td>
</tr>
<tr>
<td>LUCIG</td>
<td>2000</td>
<td>2300.00</td>
</tr>
</tbody>
</table>
Test Flight

Long Beach Airport
Multiple Track Profiles
8/19/2006 8:52:23 PM - 8/19/2006 9:05:30 PM

Above Airport Elevation (Feet)

Cumulative Flight Distance (feet)

Arrivals
Departures
Overflights

297'/nm
265'/nm
THANK YOU

The Worlds Busiest TRACON

Presentation to: CDA Workshop
Name: Walter White
Date: September 6, 2006