Statistical Update on LAX Aircraft Operations

May 11, 2011

LAX/Community Noise Roundtable
Statistical information on the following operations:

- East Departures
- Early Turns
- Go-arounds
- Short Turns
- Extended Downwind Approaches
- Palos Verdes Overflights
- Loop Departures
- 25L Departures
Total Operations Comparison

Total LAX Operations

- Total Ops (Arrivals & Departures)

1994: 689,888
1995: 732,639
1996: 781,492
1997: 763,866
1998: 779,150
1999: 783,433
2000: 738,433
2001: 645,424
2002: 622,378
2003: 622,506
2004: 680,954
2005: 544,833
2006: 656,842
2007: 650,629
2008: 656,842
2009: 622,506
2010: 575,835
Non-Conforming East Departures
Midnight to 6:30 AM

This report shows a summary of aircraft operations that depart to the east while the airport is still conducting westerly departures between midnight and 6:30 a.m. These individual easterly departures usually occur when the pilot of a heavy aircraft (e.g. B747s) determines that the tail wind is too great for the weight of the aircraft and requests to depart east into the wind for aircraft safety.

Typical easterly departure routes
Aircraft departing to the ocean turn early prior to reaching the shoreline.
Early Turn to the South

Aircraft departing to the ocean turn early prior to reaching the shoreline

Early turn over El Segundo
Early Turns Breakdown
March 2011

Total Early Turn Ops | 219
Hyperion Gate | 167
El Segundo Gate | 39
Playa Del Rey Gate | 13

Result of Investigation

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<thead>
<tr>
<th>Category</th>
<th>Count</th>
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<tr>
<td>Total</td>
<td>52</td>
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<tr>
<td>FAA instructed</td>
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<td>Pilot initiated</td>
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<td>Wind drift</td>
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Monitoring pilot or ATC initiated go-arounds or missed approaches

Example of Go-arounds

Go-Arounds
Go-Arounds – Not Maintaining RWY Headings

Go Arounds Comparison

Total Go-Arounds
Non RWY Headings

Go Arounds Comparison

Non RWY Headings
South
North

Los Angeles World Airports
Arriving jet aircraft turning early prior to reaching the Harbor Freeway to land at LAX
Short Turn Arrival Flight Tracks - One Month
Extended Downwind Approach

Monitoring north arrivals extending downwind over Monterey Park boundary
Extended Downwind Approach
March 2011

Altitude over Monterey Park

Number of Operations By Time of Day
Monitoring southbound turboprops departing from LAX that overfly Peninsula

* 11-month period
( ) = daily average

* SB Turboprop
PV Peninsula

Los Angeles World Airports
Palos Verdes Peninsula – Jet Overflights

Monthly Comparison

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<th>Month</th>
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<th>PV Peninsula</th>
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Mar-10 to Mar-11 Monthly Comparison Graph
Monitoring loop departures overflying communities

Missed LAX Loop Departure

Annual Comparison

Monthly Comparison

Los Angeles World Airports
Departures – South Runways (25L and 25R)
13-month period