

Los Angeles International

Loop Departure from 9 PM to Midnight Test Period

Presented to: Roundtable

By: Southern California TRACON OSG

Date: July 9, 2014



Federal Aviation
Administration



Current Noise Program

- **LOOP, GORMAN, and CASTA Departures currently cease each night at 9 PM and resume at 7 AM each morning.**
- **Over Ocean operations (landing from over the ocean while departing over the ocean) normally take place each night from midnight until 6:30 AM.**
- **The LOOP test will run during the hours before Over Ocean operations begin at midnight, but will never run after midnight.**



Loop Departure

- **Runways 24 and 25 only.**
- **Aircraft depart westbound on headings.**
- **Aircraft are turned by controllers to cross Los Angeles VOR (LAX) at or above 10,000 feet.**



Loop Departure

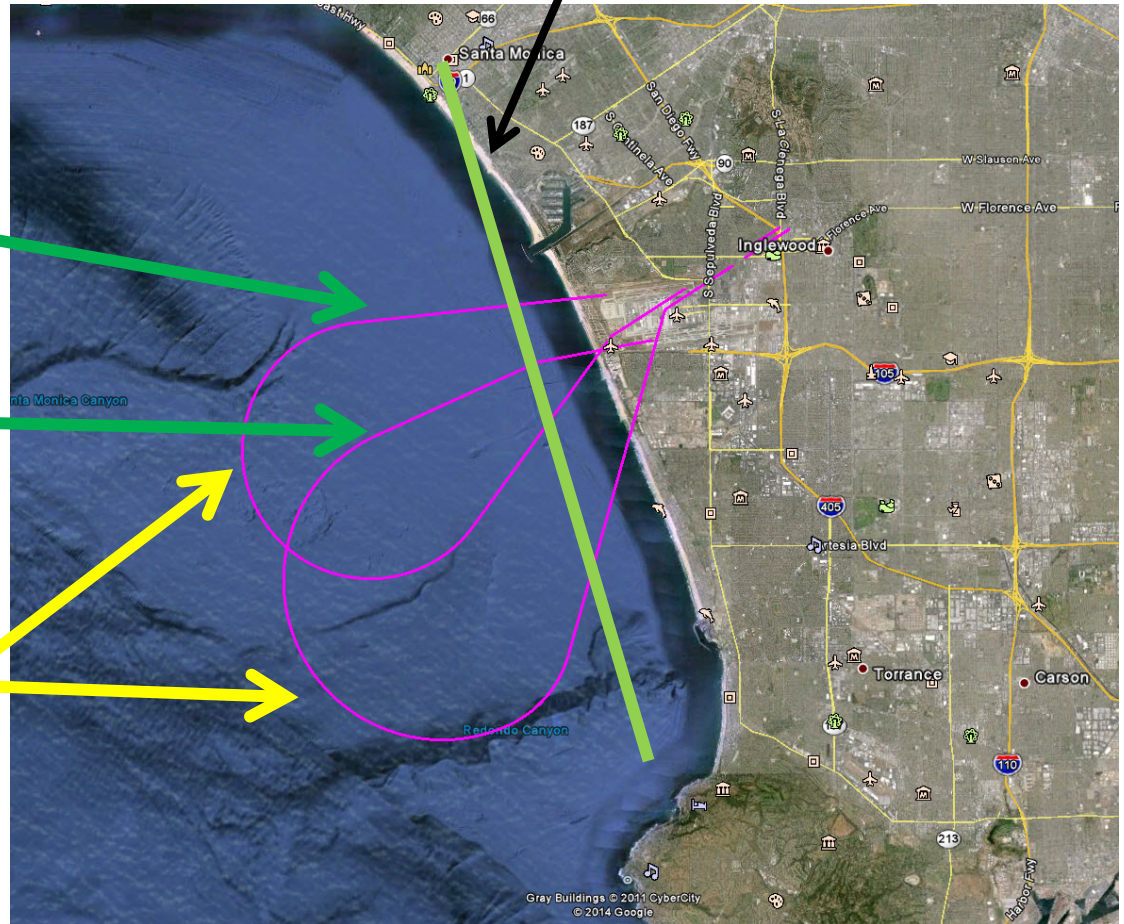
SMO R-160

Departures are 3 or more miles
in trail

Runway 24 LOOP departures
fly initial heading 250

Runway 25 :LOOP Departures
fly initial heading 250 then
turn left heading 235 when
past the SMO 160 radial

Departures turn left to LAX VOR
When instructed by ATC and cross
LAX VOR at or above 10,000 feet
(generally turned out of 3500 feet)



Proposed Loop Test

- **Test to run for 6 months.**
- **An average of 28 aircraft each night (PDARS data for two week period 6-6 to 6-18 2014)**
- **From 9:00 PM to midnight all aircraft must proceed over LAX VOR.**
- **From 9:00 PM to midnight all aircraft must cross LAX VOR at or above 12,000 feet. This can be accomplished due to fewer aircraft departing LAX during this time.**



Proposed Loop Test

- **To accommodate the higher altitude at LAX VOR, Los Angeles Tower will flow aircraft a minimum of 8 miles in trail.**
- **During normal LOOP hours Los Angeles Tower must give a minimum of 3 mile in trail.**
- **The extra miles in trail are needed to accommodate the higher crossing altitude of 12,000 at LAX.**



Proposed LOOP Test

- **During the test period LOOP departures will continue to start each morning at 7:00 as they do today.**



Proposed Loop Test

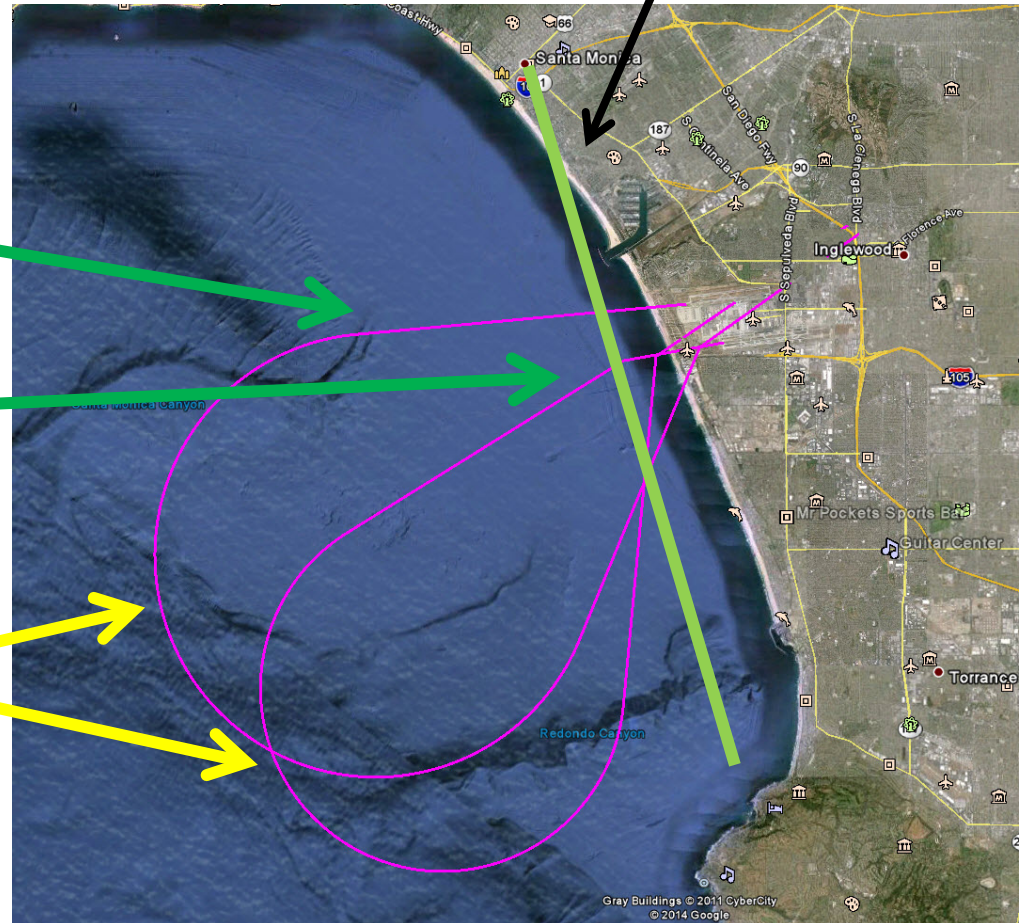
Departures are 8 or more miles
in trail

Runway 24 LOOP departures
fly initial heading 250

Runway 25 :LOOP Departures
fly initial heading 250 then
turn left heading 235 when
past the SMO 160 radial

Departures turn left to LAX VOR
When instructed by ATC and cross
LAX VOR at or above 12,000 feet
(expected to turn out of 4500 – 5000
feet)

SMO R-160



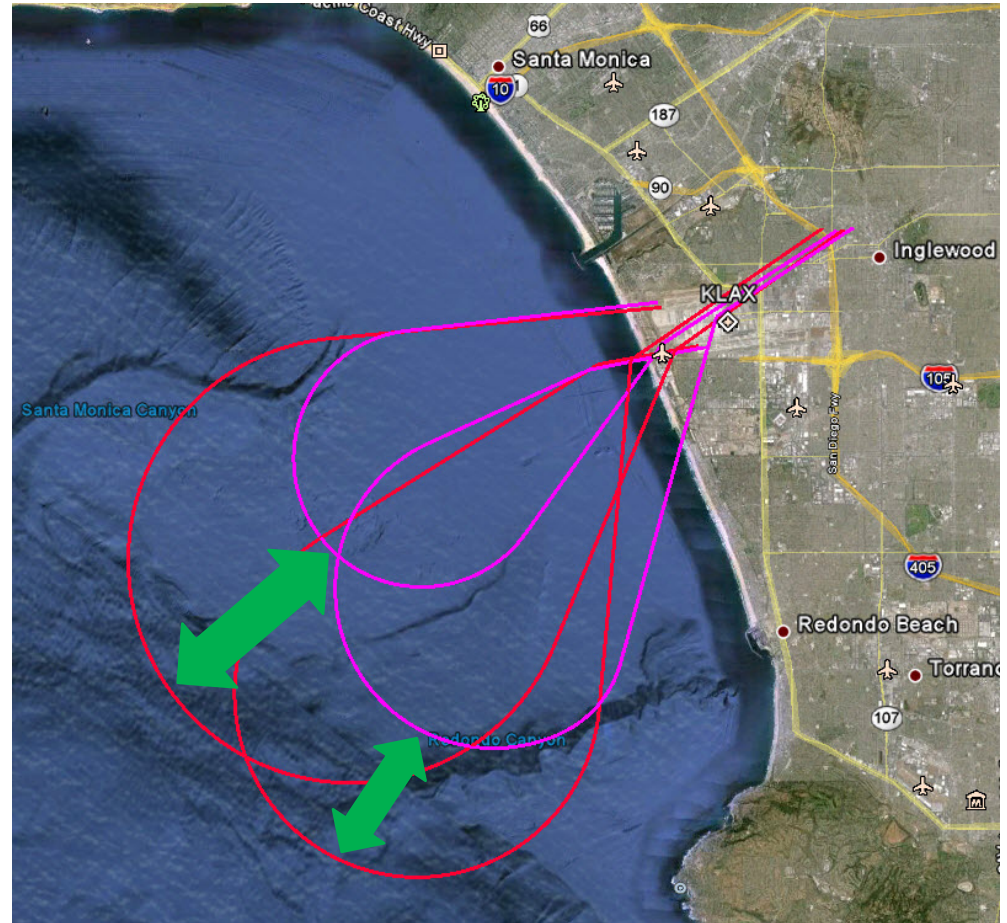
Anticipated Differences

Tracks go farther west

Aircraft will be higher crossing
the shoreline eastbound

Purple – Existing Tracks

Red – Anticipated Tracks



Environmental

- **Preliminary NIRS noise analysis: no reportable noise increases are anticipated**
 - Analysis used LOOP assigned until 12:00am and after 6:00 am
 - Analysis used current track data and altitudes
- **Categorical Exclusion for 6 month test**
- **If made permanent, separate environmental will be completed**

