

SFO

San Francisco
International
Airport

Community Related Hot Topics

Presented at the AAEE Airport Noise Mitigation Symposium
October 9, 2015

Bert Ganoung
Aircraft Noise Abatement Manager





San Francisco
International
Airport

Where to start?

Something has changed . . .

L-I-S-T-E-N

Different customers require different efforts and response on your part.





San Francisco
International
Airport

Complaints, complaints, complaints . . .

Do you really have to keep them all?

Do you know about your First Amendment Rites?

Adapting, changing, evolving.





SFO Noise Complaint Information

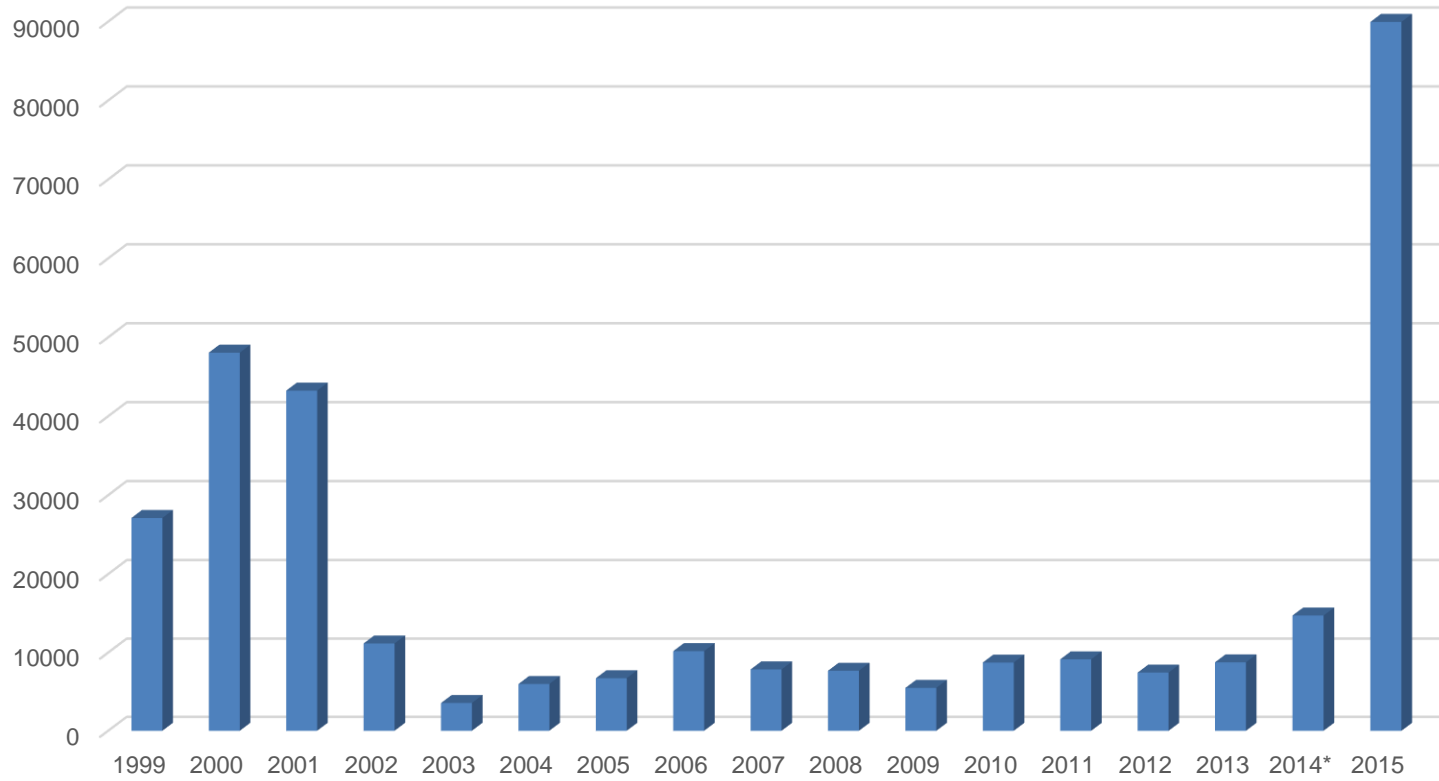
The Aircraft Noise Abatement Office is in New Territory

- The volume of this year's complaints is such that we have not seen in the history of the Noise Abatement Office.
- Complaints are up 1000% over last year and rising.
- The month of August 2015 eclipsed our previous annual high in 2000 by 372.
- August 2015 is near completion. We are expect to exceed 50,000 complaints.
- We are rapidly adapting and changing to keep up with the community.
 - Adapting to new Apps created by the community.
 - Automating and direct importing of complaints.
 - Accepting bulk spreadsheet complaints.



San Francisco International Airport

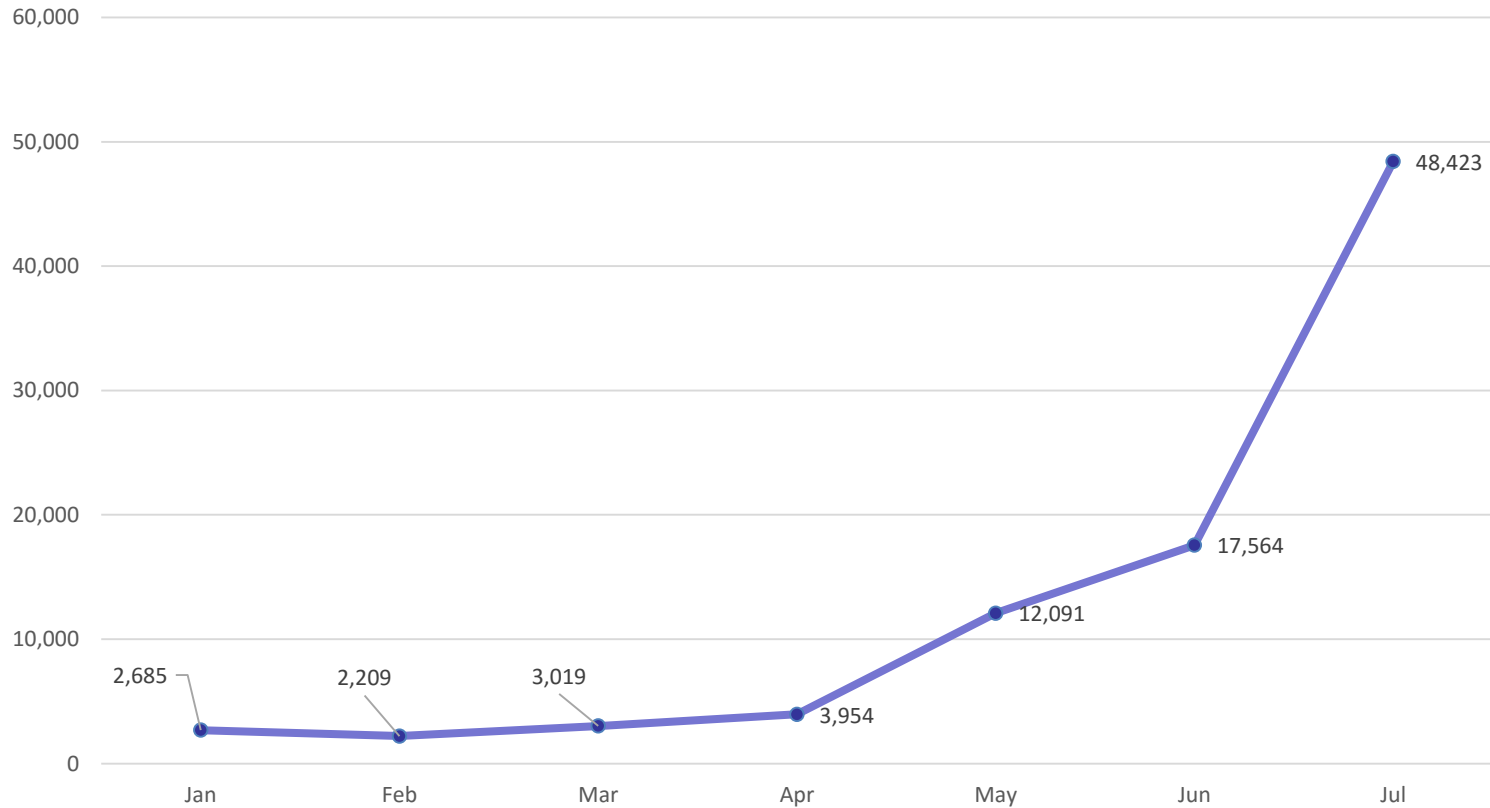
SFO Noise Complaints 1999 to Present





San Francisco International Airport

SFO Noise Complaints to Date 2015





San Francisco
International
Airport

The Federal Aviation Administration

If you don't control the airplanes, who does?

What is this Metroplex thing . . .

Foster your FAA relationship and grow it!



SFO

San Francisco
International
Airport

Airbus A320 Aircraft Family Wake Vortex Generators



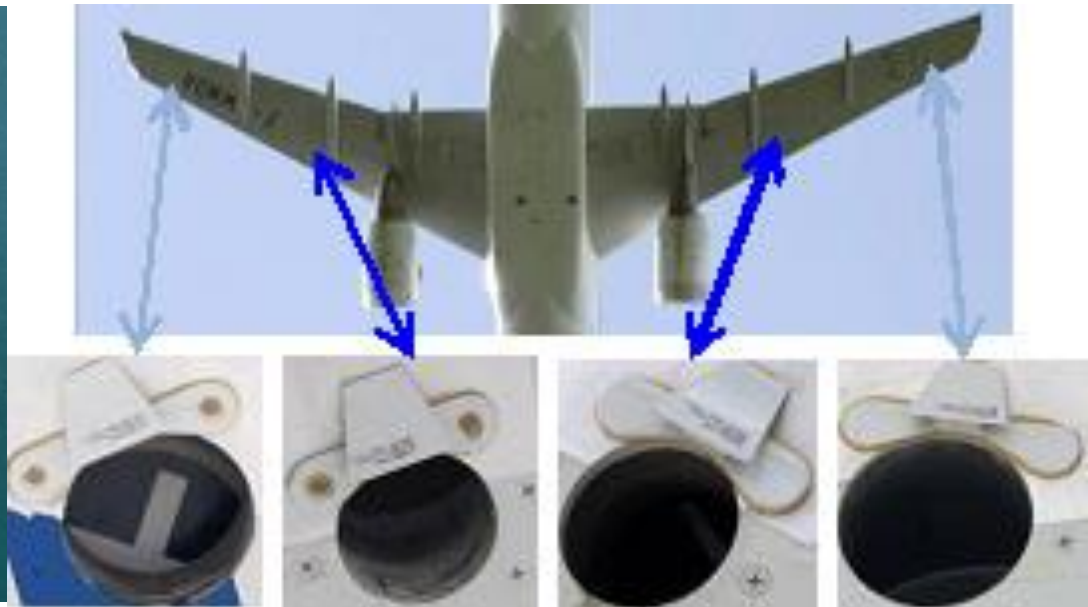
Presented at the October 7, 2015

Airport Community Roundtable Meeting



Airbus A320 Aircraft Family Wake Vortex Generators

The SFO Aircraft Noise Abatement Office has been following the European Carriers retrofit of their aircraft with these devices that reduce tonal noise cause by airflow over the pressure tank pressure equalization vents.





San Francisco
International
Airport

Airbus A320 Aircraft Family Wake Vortex Generators

The SFO Aircraft Noise Abatement Office has been following the European Carriers retrofit of their aircraft with these devices that reduce tonal noise cause by airflow over the pressure tank pressure equalization vents.



What We Know To Date:

- European carriers are voluntarily retrofitting older aircraft in the Airbus A320 series aircraft (A318, A319, A320 and A321).
- The noise reduction has been claimed to be from between 2 to 11 decibels depending on the phase of flight and angle of the aircraft along the approach.
- Airbus Industries has informed SFO:
 - The cost per aircraft is approximately \$3,000 for hardware and labor.
 - The retrofit takes about 10 man hours and partial defueling of the aircraft. This may occur overnight.
 - Purchasers are able to take advantage of economy of scale pricing.



What Is SFO Doing?

- We are soliciting our operators using these aircraft for voluntary disclosure of new aircraft already equipped and older aircraft that have been retrofitted.
- The Noise Abatement Office is aware of two new Virgin America aircraft that have been delivered with these devices.
- Following the survey results we will actively request to meet with the airlines to inform them of the community noise benefits in addition to the minimal impact of the four 247 gram devices.

