

LOVE FIELD ENVIRONMENTAL ADVISORY COMMITTEE QUARTERLY REPORT

October 25, 2018

Dallas Love Field
7555 Lemmon Ave
Conference Room 103



AGENDA

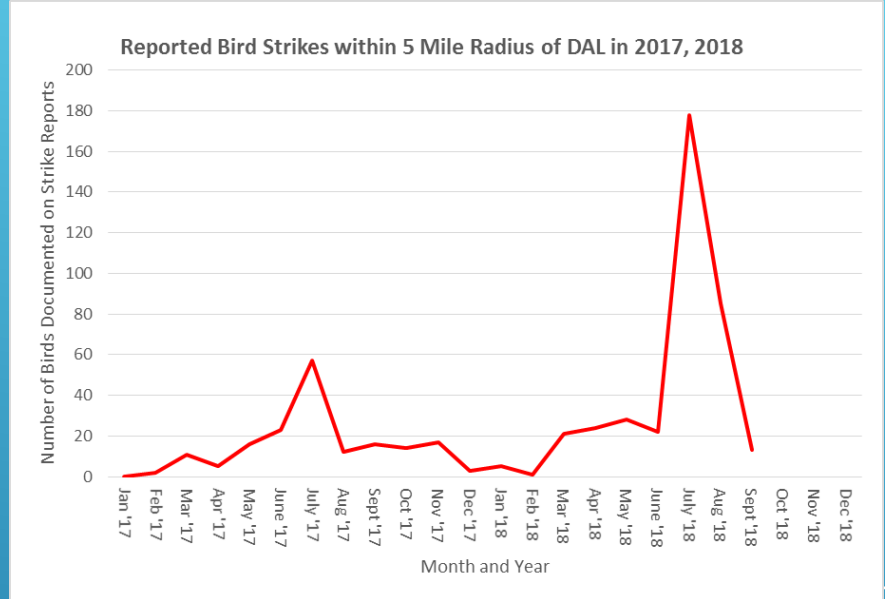
- ▶ Introductions
- ▶ Wildlife Update
 - ▶ New Bachman lake signage
- ▶ Noise Control
 - ▶ Runway Usage Day
 - ▶ Runway Usage Night
 - ▶ Noise Lab
- ▶ Good Neighbor Program
- ▶ Open Discussion
- ▶ Next Meeting – January 17, 2019

Wildlife Strike Reports by Species Composition at DAL: Jan. - Sept 2018

- ▶ 244 Rock Pigeons
- ▶ 39 Mourning Doves
- ▶ 31 "Unknown, small bird"
- ▶ 10 Killdeer
- ▶ 7 "Unknown, medium bird"
- ▶ 6 Upland Sandpipers
- ▶ 6 American Kestrels
- ▶ 3 White-winged Doves
- ▶ 3 Cliff Swallows
- ▶ 3 "Unknown, no size specified"
- ▶ 2 Common Nighthawks
- ▶ 2 European Starlings
- ▶ 2 Red-tailed Hawks
- ▶ 2 Western Meadowlarks
- ▶ 1 "Unknown, large bird"
- ▶ 1 Yellow-crowned Night Heron
- ▶ 1 House Sparrow
- ▶ 1 Great-tailed Grackle
- ▶ 1 American Pipit
- ▶ 1 Yellow-rumped Warbler
- ▶ 1 Eastern Kingbird
- ▶ 1 Western Kingbird
- ▶ 1 Brown-headed Cowbird
- ▶ 1 Great Egret
- ▶ 1 Ruby-throated Hummingbird
- ▶ 1 House Finch
- ▶ 1 Savannah Sparrow
- ▶ 1 Barn Owl
- ▶ 1 Cedar Waxwing
- ▶ 1 Grasshopper Sparrow
- ▶ 1 Dove, unspecified
- ▶ 1 Virginia Opossum
- ▶ 1 Eastern Cottontail

Total Birds: 277

Total Mammals: 2



Graph shows data from Jan 2017- Sept 2018. There are two outliers seen in 2018. On July 9th, 2018, there was a strike of 100 Rock Pigeons. On August 18th, 2018, there was a strike of 50 Rock Pigeons.

HAZARDOUS WILDLIFE

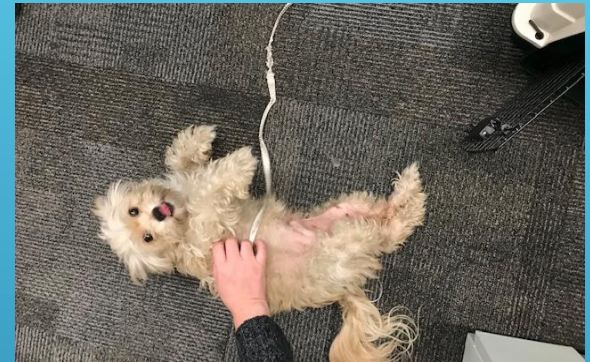
▶ Animals Removed between Jan – Sept 2018

- ▶ 81 European Starlings
- ▶ 59 Great-tailed Grackles
- ▶ 46 Mourning Doves
- ▶ 41 Rock Pigeons
- ▶ 14 Mallards
- ▶ 2 American Crows
- ▶ 1 Ring-billed Gull
- ▶ 1 American Kestrel
- ▶ 1 Killdeer

Total Birds: 246

- ▶ 7 Eastern Cottontail Rabbits
- ▶ 4 Virginia Opossums
- ▶ 3 Nutria
- ▶ 2 Domestic Dogs
- ▶ 2 Striped Skunks
- ▶ 1 Coyote

Total Mammals: 19





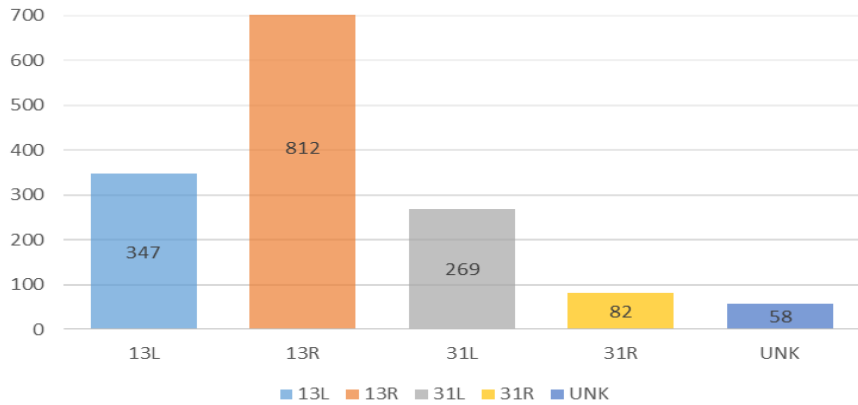
NEW PARK SIGNS INSTALLATION
BEGINNING NOV 6

RUNWAY OPERATIONS DURING PREFERENTIAL HOURS

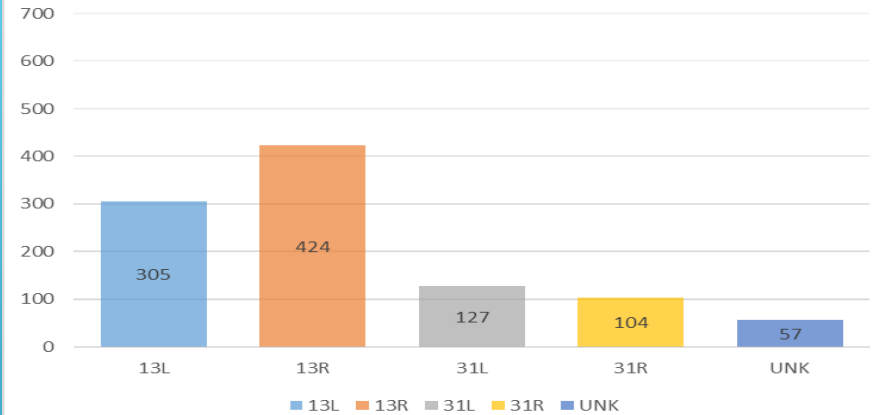
2100 – 0600

(JUL–SEP 2018)

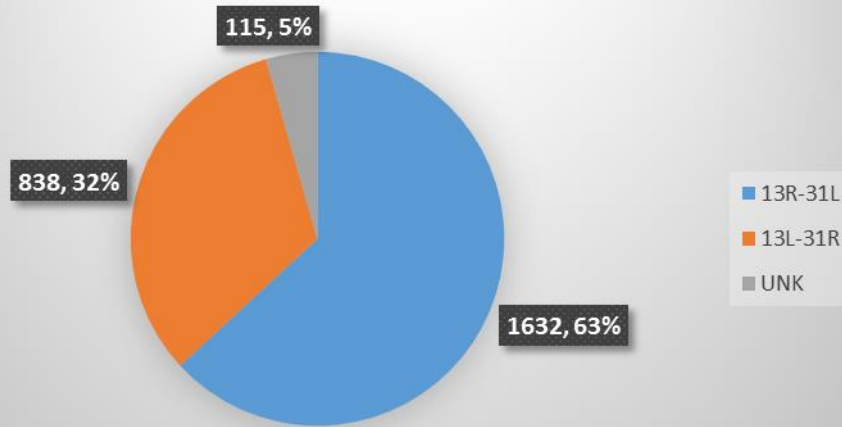
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY

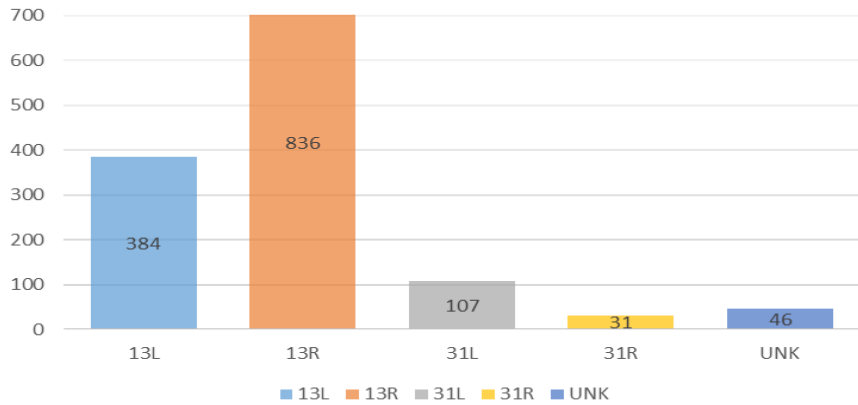


Total Operations July

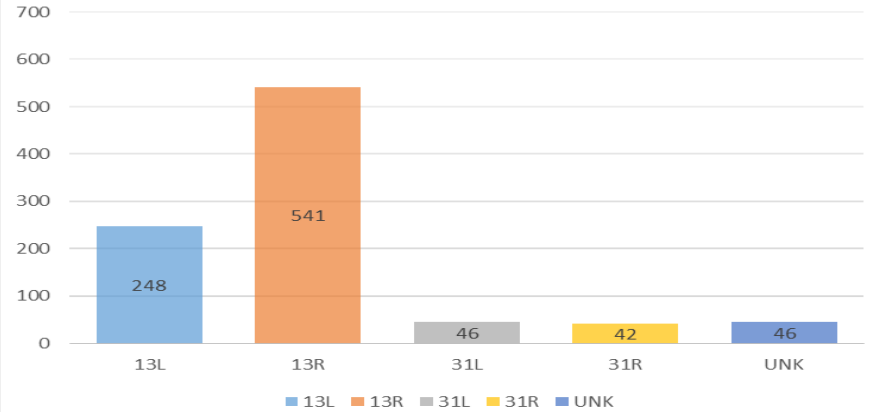


JUL 2018

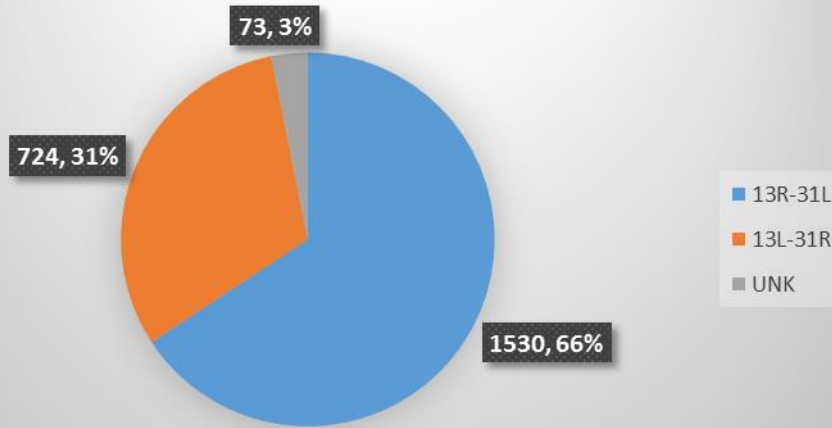
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY

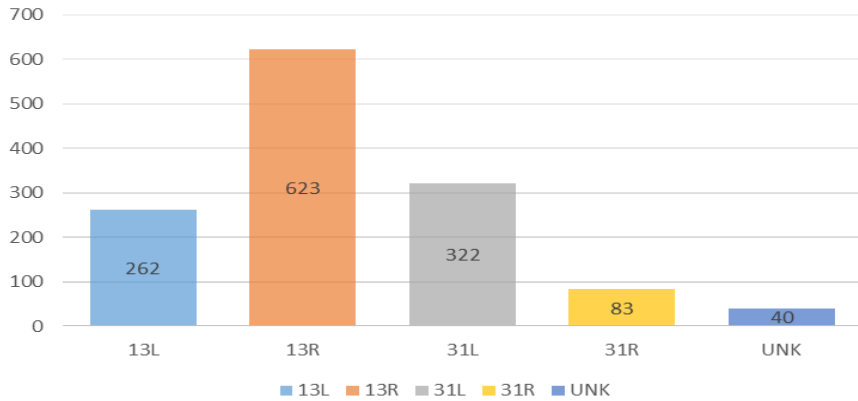


Total Operations August

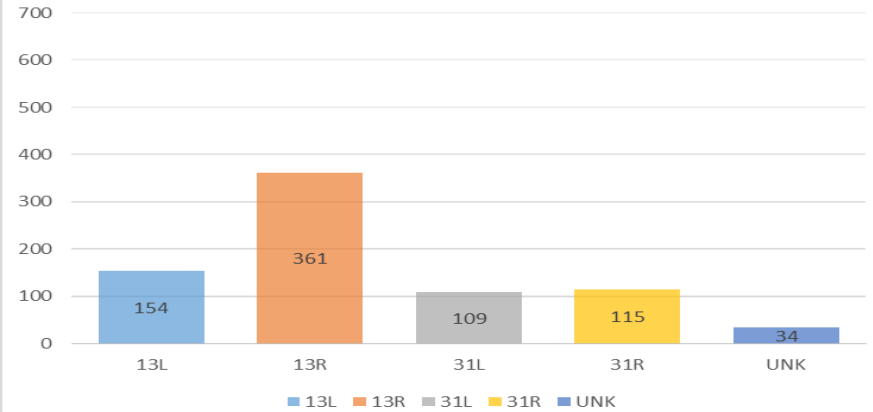


AUG 2018

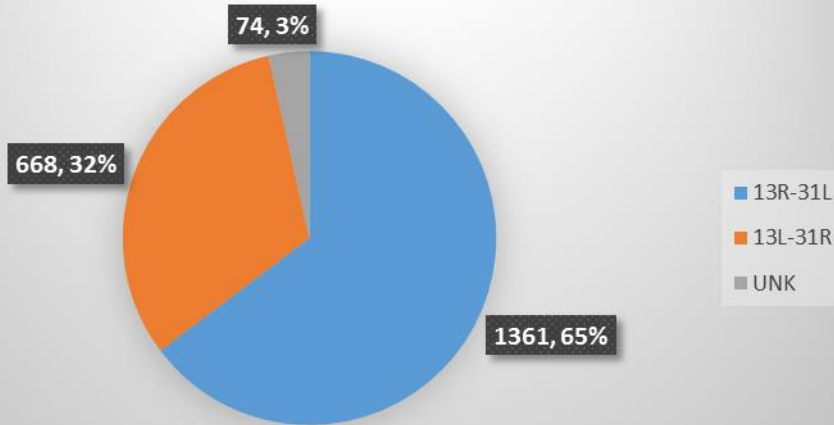
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY



Total Operations September



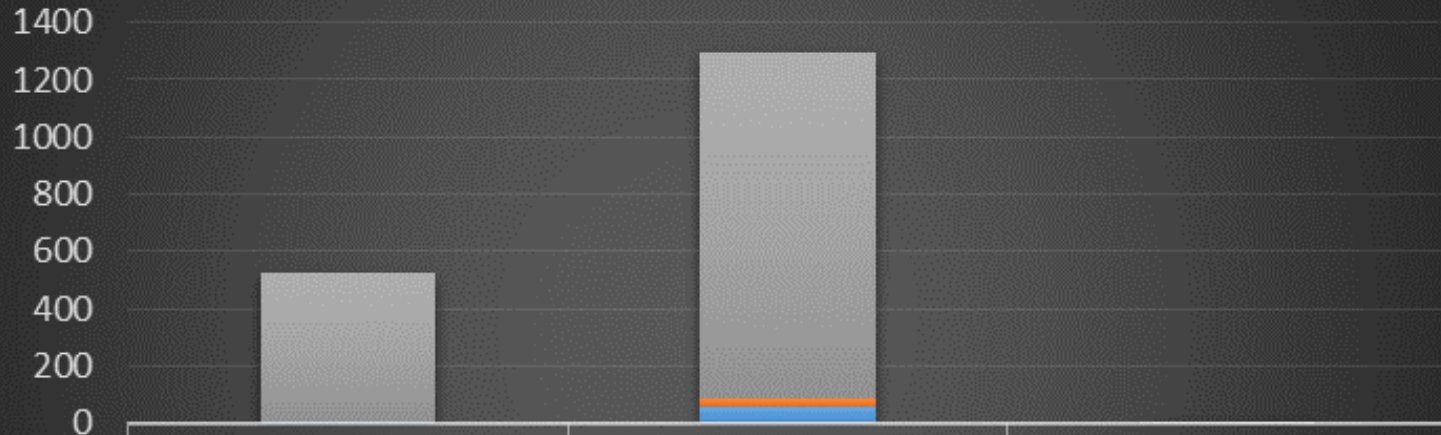
SEP 2018

RUNWAY UTILIZATION BY AIRLINE DURING PREFERENTIAL HOURS (RAW DATA)

2100 – 0600

(JUL–SEP 2018)

July



	13L/31R	13R/31L	UNK
SWA	520	1216	2
DAL	5	27	0
ASA	3	55	0

ASA DAL SWA

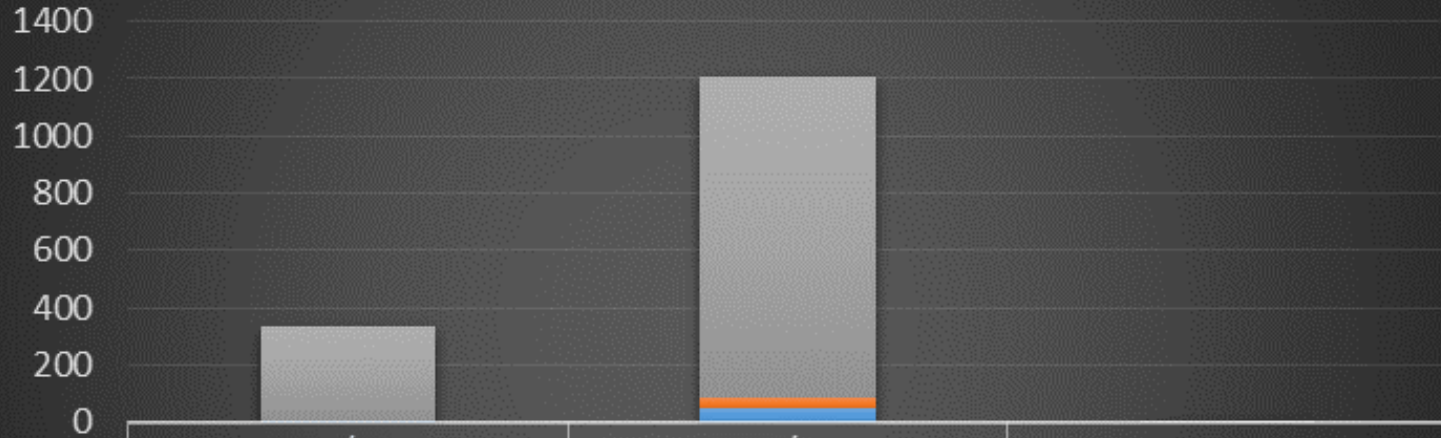
SWA – 70%

DAL – 84%

ASA – 95%

JUL 2018

August



	13L/31R	13R/31L	UNK
SWA	326	1125	1
DAL	3	32	0
ASA	3	50	0

ASA DAL SWA

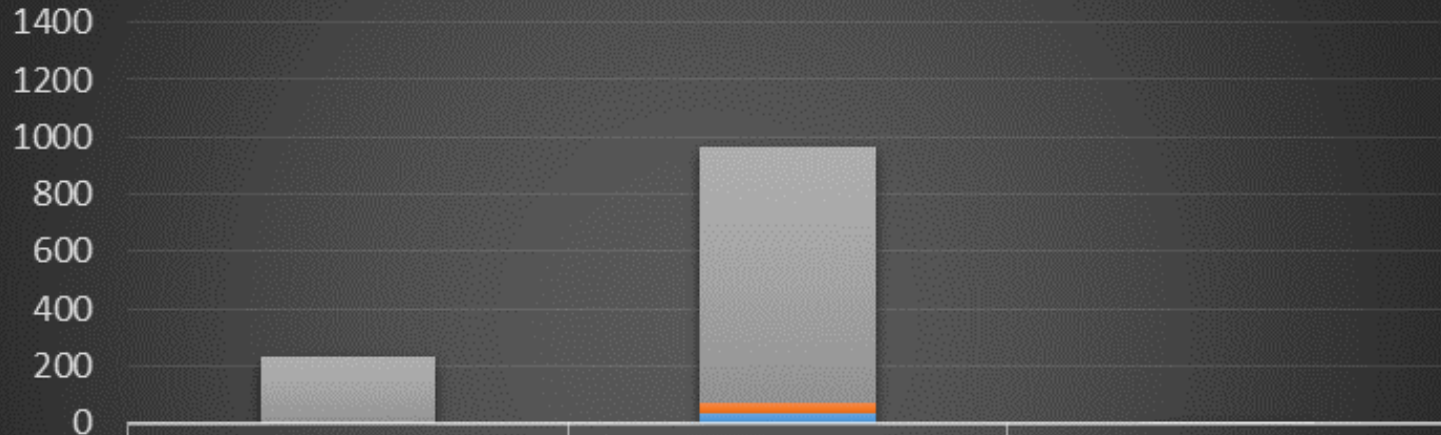
SWA – 78%

DAL – 91%

ASA – 94%

AUG 2018

September



	13L/31R	13R/31L	UNK
■ SWA	232	899	3
■ DAL	1	32	0
■ ASA	0	37	0

■ ASA ■ DAL ■ SWA

SWA – 79%

DAL – 97%

ASA – 100%

SEP 2018

DAILY DEVIATION REPORT

callsign	ac_type	registration	dep_af	des_af	dep_time	des_time	dep_rwy	des_rwy	jet_type	deviation_cause
GTI3544	B763	N1499A	KTPA	KRFD	10/17/2018 3:19		19L			COMMERCIAL RUNWAY UNAVAILABLE
AAL2058	A319	N712US	KTPA	KCLT	10/17/2018 5:13		19L			COMMERCIAL RUNWAY UNAVAILABLE
SWA2522	B737	N799SW	KTPA	KPVD	10/17/2018 6:02		19L			COMMERCIAL RUNWAY UNAVAILABLE

- ▶ Currently used at Tampa International Airport
- ▶ Integrates ATC recordings into Noise System for easier investigation
- ▶ Noise Specialist will identify flights into one of three categories
 - ▶ Runway unavailable – Construction
 - ▶ Pilot Requested Runway
 - ▶ Air Traffic Control Assigned Runway
- ▶ Report will be available on Noise Lab

NOISE LAB

Expected Launch – Nov 1

Map of Dallas area showing flight paths and noise contours. Key locations include Farmers N105TD, University Park, SWA1442, ENY3585, and SWA565. Major highways like I-35E, I-75, and I-80 are also visible.

Welcome to the Noiselab application for Dallas Love Field.

News of today

There are no news items for today.

October 2018						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Go to:

- INTRO
- ABOUT AIRCRAFT NOISE
- PREFERENTIAL NOISE PROGRAM
- NOISE MONITORING

News

This is an actual news item.

Featured news

NEWS ARCHIVE >

24 OCT

First DRAFT design of DAL Noise Lab released

The first DRAFT design version of DAL Noise Lab was released to provide airport staff and interested community members an impression of what is to come.

F A Q



Why do planes fly over my house?

The airspace over the Dallas area is very congested, with over a dozen airports in close proximity to our city. The FAA establishes air traffic patterns throughout the Metroplex, to safely separate aircraft, both horizontally and vertically. Aircraft seen overhead can be using DFW (one of the busiest airports in the nation), but could be flying to, or from, Dallas Love Field, Arlington, Grand Prairie, Alliance, Meacham, Spinks, or other smaller airports. Military jets and helicopters generally operate from the Naval Air Station Joint Reserve Base in Fort Worth.

What is quieter – an arrival or a departure?

Arriving aircraft at low altitudes are generally quieter than departures of the same aircraft type because the landing requires much less engine power. However, close to the airport, the relative "quietness" of an arrival may be offset by the fact that aircraft are typically lower in altitude than departures over the same location.

What causes planes to take off in the direction of my home?

The prevailing wind at the runway determines the initial direction of flight. Obstructions such as buildings, fences, and trees will diminish wind effects in the surrounding neighborhoods; however, on the open area of the airport, wind at six knots or more usually make it necessary for aircraft to take off into the wind.

How does weather impact aircraft noise?

Just about everything an aircraft does, including the noise it makes, is affected by the weather. Aircraft climb more slowly in warm weather, making operations louder on the ground. On cloudy days, the noise from aircraft rebounds down to the earth's surface from the bottom of the clouds, making it louder. On windy days, aircraft noise carries further at ground level.

Can a loud aircraft be fined?

No, the City does not have the legal authority to levy a fine or otherwise penalize an aircraft operator for the amount of noise an aircraft makes.

What are the criteria used by the FAA to evaluate an application for a curfew?

Listed below are the criteria used by the FAA for evaluation of curfew requests. Please note that the sponsor must "prove up" all six elements:

1. The restriction is reasonable, non-arbitrary, and nondiscriminatory;
2. The restriction does not create an undue burden on interstate or foreign commerce;
3. The proposed restriction maintains safe and efficient use of the navigable airspace;
4. The proposed restriction does not conflict with any existing Federal statute or regulation;
5. The applicant has provided adequate opportunity for public comment on the proposed restriction; and
6. The proposed restriction does not create an undue burden on the national aviation system.

Why was I woken up last night by aircraft noise; what's going on at the Airport?

Like most commercial airports in the US, Dallas Love Field operates 24 hours per day 365 days per year. There is no nighttime curfew at Dallas Love Field. However, the City of Dallas, in coordination with the FAA, airport users and community representatives, has developed preferred nighttime aircraft procedures that help mitigate aircraft noise over residential areas. Wind and weather permitting

NEWS



News overview

- | | | | | | |
|-------------------|---|---|-------------------|---|---|
| <p>24
OCT</p> | <p>Weekly Update
abcd</p> | > | <p>24
OCT</p> | <p>Weekly Update
"On The Radar"
The weekly update on DAL operations has been sent out to all subscribers to the news letter.</p> | > |
| <p>24
OCT</p> | <p>First DRAFT design of DAL Noise Lab released
The first DRAFT design version of DAL Noise Lab was released to provide airport staff and interested community members an impression of what is to come.</p> | > | <p>24
OCT</p> | <p>News
This is an actual news item.</p> | > |

NOISE EXPLAINED

The screenshot shows the Dallas Love Field website with the following content:

- Navigation:** HOME, FAQ, NEWS, NOISE EXPLAINED, LIVE FLIGHT TRACKER, HISTORICAL NOISE AND FLIGHTS, NOISE MONITORS, TRAFFIC, COMPLAINTS. A search icon is in the top right.
- Dropdown Menu:** ABOUT, PREFERENTIAL NOISE PROGRAM, NOISE MONITORING.
- Weather/Status:** Wednesday, 5 KTS, Outbound: 31L, 31R, Inbound: 31L, 31R.
- Section: Minimizing noise impact**

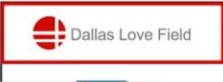
Dallas Love Field is located within a noise sensitive area of the City of Dallas and is bound on nearly all sides by residential neighborhoods. In an effort to be responsive to the concern of our neighbors and to continue to provide an excellent facility for your use, a noise control program has been developed with the participation of the Love Field Operators, neighborhood representatives, the Federal Aviation Administration and the City of Dallas. The purpose of this program is to minimize the impact of aircraft operations at Love Field on the surrounding neighborhoods without unduly restricting the use of the airport.

 - When disturbed by aircraft noise between 8:00 a.m. and 4:00 p.m., a report can be made by calling (214) 671-6673. Staff at Dallas Love Field will record the complaint information and initiate an investigation. If the incident occurs outside of these hours, citizens are encouraged to call (214) 670-5683. This call will connect the citizen to a 24-hour Noise Complaint line.
 - Noise complaints can also be reported online at anytime, by visiting www.Dallas-LoveField.com, then clicking the "aircraft noise complaints" button. The "envelope" icon will open a form allowing you to enter the information pertaining to the disturbance.
 - Citizens are also encouraged to contact the Aircraft Noise Dept. via email at: AVINoise@dallascityhall.com
- Section: Resources – Noise Control – Love Field Environmental Advisory Committee (LFEAC)**

An integral part of the overall approach to noise control at Dallas Love Field is communication between the various parties involved in developing, monitoring and improving the program. The Resources – Noise Control – Love Field Environmental Advisory Committee (LFEAC) was established to provide a forum for discussion among airport representatives on issues related to aircraft noise and noise abatement at L. review airport operations, propose changes in operations, effectiveness of records of noise complaints and potential adjustments and improvements t

The contributions of the Dallas Love Field Noise Abatement Advisory Com interests represented are two of the most important elements contributing

Weekly Newsletter: If you would like to be added to our weekly newsletter to AVINoise@dallascityhall.com



<https://dal.noiselab.casper.aero/#>



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- Dropdown Menu:** ABOUT, PREFERENTIAL NOISE PROGRAM, NOISE MONITORING.
- Weather/Status:** Wednesday, 5 KTS, Outbound: 31L, 31R, Inbound: 31L, 31R.
- Section: Voluntary Noise Control Program**

The Department of Aviation for the City of Dallas has developed a Voluntary Noise Control Program for Dallas Love Field.

 - Nighttime Preferential Runway (RWY 13R/31L) for all jet aircraft and any aircraft weighing over 12,500 pounds, between the hours of 9:00 p.m. and 6:00 a.m.
 - Noise abatement departure procedure (Trinity Departure) for night operations on Runway 13R for all turbojet aircraft and aircraft weighing over 12,500 pounds.
 - Prohibition on aircraft engine maintenance run-ups between the hours of midnight and 6:00 a.m. Expanded to a voluntary moratorium between 10:00 p.m. and midnight.
 - Aircraft use optimal take-off profile.

OBSERVE ALL ATC INSTRUCTIONS AT NO TIME IS OPERATIONAL SAFETY TO BE COMPROMISED

HISTORICAL NOISE AND FLIGHTS

Dallas Love Field

HOME FAQ NEWS NOISE EXPLAINED LIVE FLIGHT TRACKER **HISTORICAL NOISE AND FLIGHTS** NOISE MONITORS TRAFFIC COMPLAINTS

Wednesday 24 October 2018 | Temperature: 61 °F | 5 KTS | Outbound: 31L, 31R | Inbound: 31L, 31R

An interactive map and graphs will provide data on the operations at DAL airport.

CASPER

← DAL version

HISTORY

Period: 23-10-2018 to 23-10-2018

Monitor: No NMT selected

Runway: No Runway selected

Direction: Takeoff, Landing, Both

Charts: Make report

period from 23-10-2018 to 23-10-2018

- Distribution of noise events per runway
- Distribution of noise events per runway
- No. of noise events
- Number of flights per Day
- Flights per hour

NOISE MONITOR DATA

Dallas Love Field HOME FAQ NEWS NOISE EXPLAINED LIVE FLIGHT TRACKER HISTORICAL NOISE AND FLIGHTS **NOISE MONITORS** TRAFFIC COMPLAINTS

Wednesday 24 October 2018 | Temperature: 61 °F | 5 KTS | Outbound: 31L, 31R | Inbound: 31L, 31R

An interactive page will provide data on the noise monitors at DAL airport.

← DAL version

NOISE MONITORS

NMT 1

Noise	Rate	Rise Hill	Overflight type	Departing aircraft under flightpath; Arrivals under final approach
Status	Live	Yes	Contributing noise	
Average aircraft noise	60 dBA (day)			Data available here
Average distance	4 km			
Average height	800 - 3,000 ft			

Average noise levels

Category	Approximate Noise Level (dBA)
All noise	65
Aircraft noise	65
Non aircraft noise	45
Noise level 90% of time	45

Proportion of population of England and Wales living in dwellings exposed to daytime noise levels 06:00-23:00 in 2000 (National Noise Incidence study)

Color code	Proportion in band
Less than 50dBA	30%
50dBA < noise level < 55dBA	37%
55dBA < noise level < 60dBA	28%
60dBA > noise level	5%

SURROUNDINGS

Map Satellite

Map data ©2018 Google Terms of Use

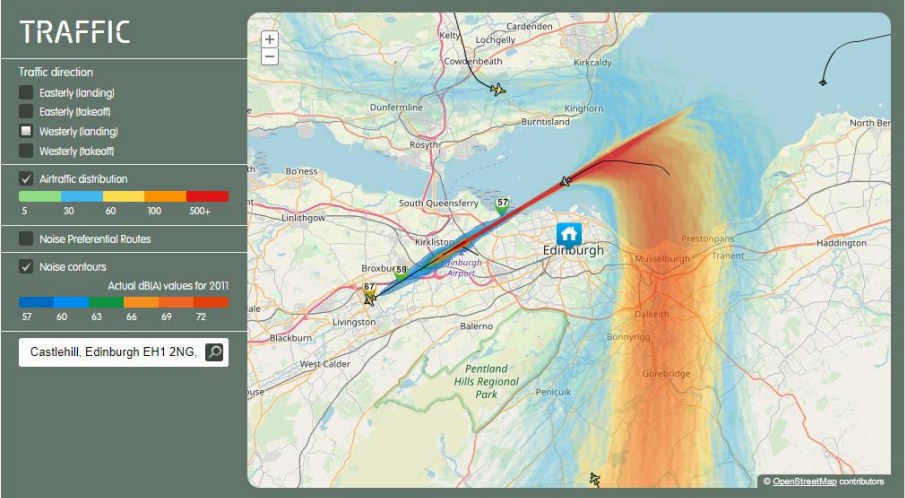
TRAFFIC

Dallas Love Field HOME FAQ NEWS NOISE EXPLAINED LIVE FLIGHT TRACKER HISTORICAL NOISE AND FLIGHTS NOISE MONITORS **TRAFFIC** COMPLAINTS

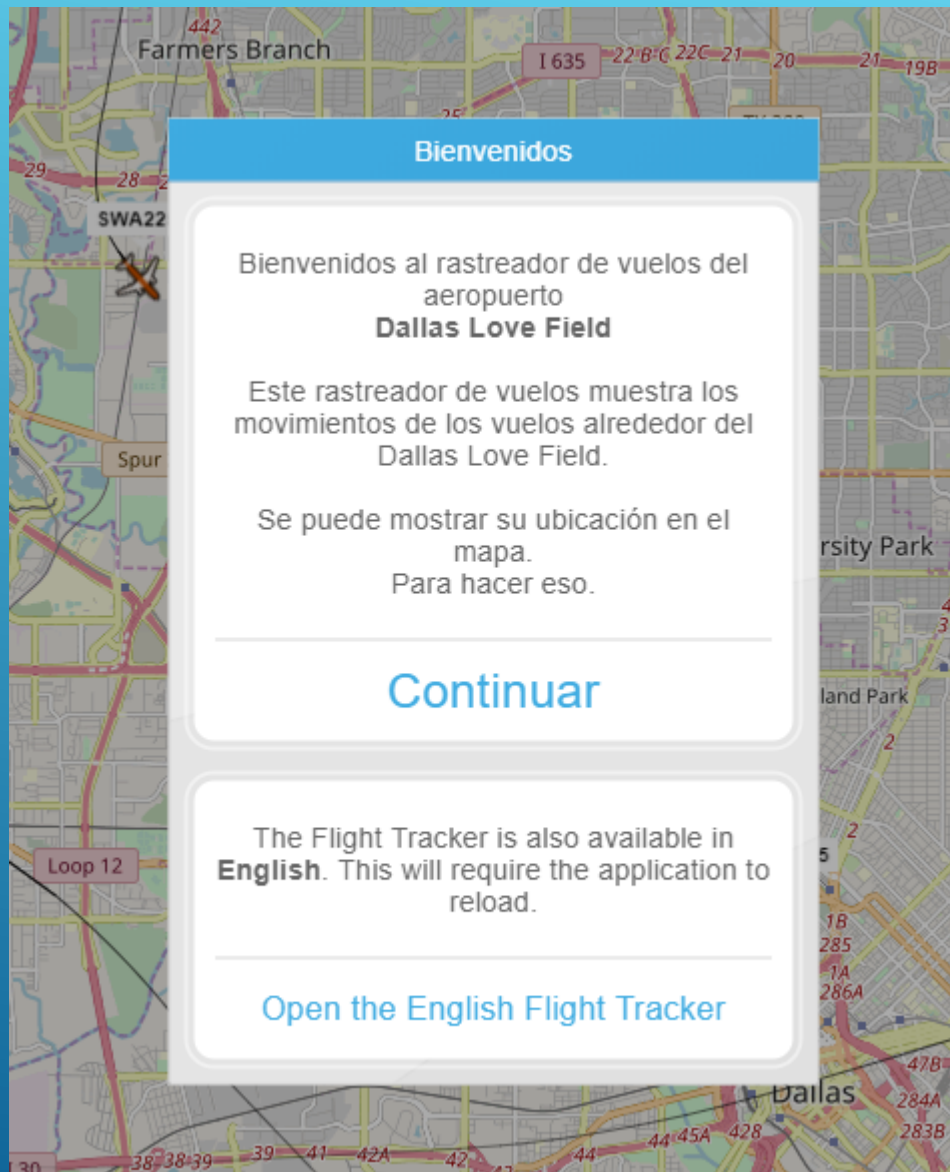
Wednesday 24 October 2018 | Temperature: 61°F | 5 KTS | Outbound: 31L, 31R

← DAL version

CASTER



SPANISH VERSION



NEW NOISE AND OPERATIONS MONITORING SYSTEM

- ▶ New noise monitors
 - ▶ Noise Monitor Construction was delayed due to rain
 - ▶ Excavation work began October 15th
 - ▶ Expecting to pour concrete November 5th

GOOD NEIGHBOR PROGRAM

- ▶ Enhancing the passenger experience
- ▶ Urban design – landscaping and beautification
- ▶ Signage and way-finding initiatives
- ▶ Pedestrian improvements on airport property and adjacent communities
- ▶ Job creation and enhancement of business environments
- ▶ Encouragement of recreational activities
- ▶ Traffic improvements
- ▶ Drainage improvements

OPEN DISCUSSION AND QUESTIONS

**Next Meeting
January 17, 2019 at 6PM**