

LFEAC Meeting

**Love Field Environmental
Advisory Committee
July 13, 2023**

Isaac Ellison
*Interim Environmental
Manager*



City of Dallas



AGENDA

01 Introductions and Greetings

02 Voluntary Noise Program

03 Voluntary Noise Program
Operations Statistics

04 Environmental Updates

05 Open Discussion

06 Adjourn

Voluntary Noise Program



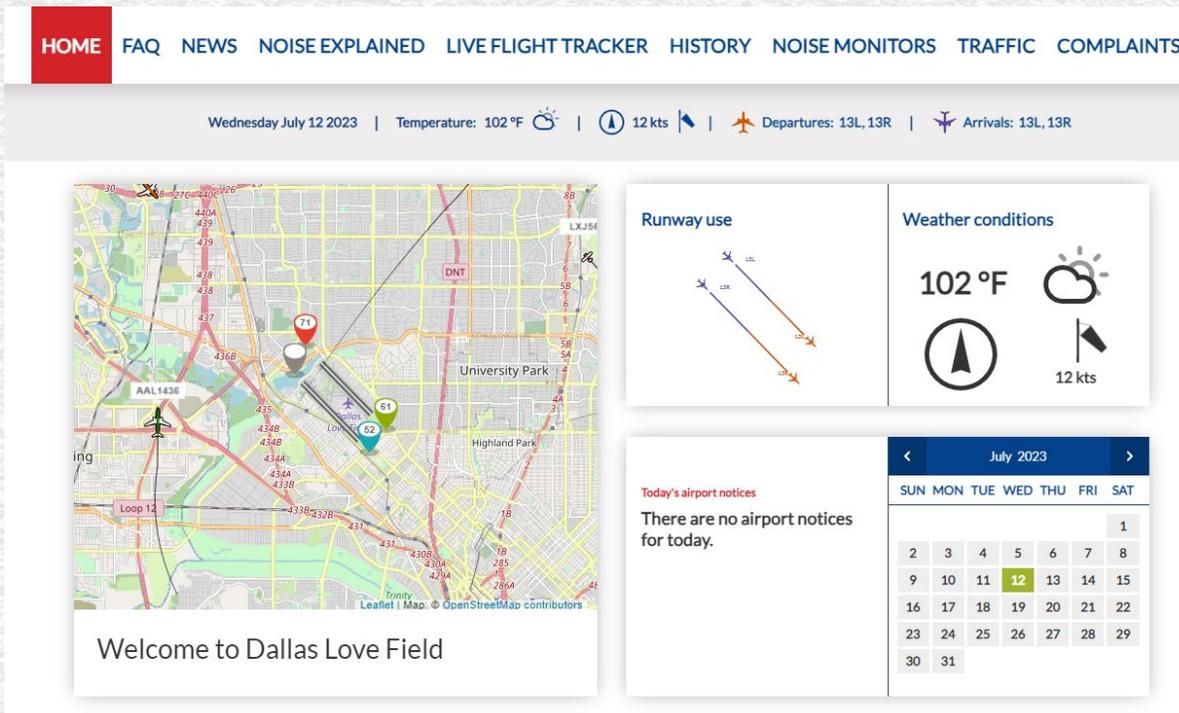
Voluntary Noise Program (VNP)



- To better respond to the concern of our neighbors, the City of Dallas' Department of Aviation has developed a Voluntary Noise Program.
- DOA serves as a liaison between the community and FAA while also disseminating noise information to stakeholders through outreach.
- The Federal Aviation Administration manages all aspects of the National Airspace System in the United States.
- FAA's Air Traffic Control directs commercial air traffic to and from DAL Airport.
- DAL's Noise and Operations Monitoring System (NOMS) utilizes Casper Airport Solutions to monitor and understand aircraft.



Casper NoiseLab is an interactive public website that provides current information on aircraft noise, runway closures, outreach efforts and other useful information. It also displays statistical flights/noise information using both maps and charts.



The screenshot shows the Casper NoiseLab website interface. At the top, there is a navigation menu with links: HOME, FAQ, NEWS, NOISE EXPLAINED, LIVE FLIGHT TRACKER, HISTORY, NOISE MONITORS, TRAFFIC, and COMPLAINTS. Below the menu, the current date and time are displayed: Wednesday July 12 2023. Weather information shows a temperature of 102 °F and a wind speed of 12 kts. There are also icons for departures (13L, 13R) and arrivals (13L, 13R). The main content area is divided into several sections: a map of Dallas Love Field showing flight paths and aircraft positions; a 'Runway use' section with a diagram of runways 13L and 13R; a 'Weather conditions' section showing 102 °F, a sun with a cloud icon, a compass, and a wind speed of 12 kts; a 'Today's airport notices' section stating 'There are no airport notices for today.'; and a calendar for July 2023 with the 12th highlighted.

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

Flight Tracker



Dallas Love Field Airport has invested in an online tracking system for the movement of flights within the DFW Metroplex. Flight Tracker allows concerned individuals to research data on flights. The system simplifies the submission of noise complaints by offering an easy, online option for residents to register noise concerns.

A screenshot of the Flight Tracker website interface. The interface is divided into several sections: 1. Flight information: Shows flight details for Boeing 737-700, including registration number, activity, and a photo of the aircraft. 2. Map: A map of the Dallas area with a flight path highlighted in blue. 3. Route information: Shows the flight path from Midland International Airport to Dallas Love Field. 4. Aircraft details: Provides technical specifications for the Boeing 737-700, including dimensions, manufacturer, and engines. 5. 3D display: A 3D model of the aircraft.

<https://flighttracker.casper.aero/dal/>

Submitting a Noise Complaint



All noise complaints are logged and reviewed daily by utilizing a Noise and Operations Monitoring System (NOMS) powered by Casper. DOA seeks to provide as much information as possible when investigating and responding to noise complaints.

Guidelines and Standards

- Noise complaints will only be logged when they contain accurate and complete information, including the **first and last name**, **physical address**, **date and time of the noise occurrence** and **means of contact** (telephone number or email address) if feedback is requested.
- It is recommended that noise complaints should be reported within one week of the occurrence.
- The FAA's Aviation Noise Ombudsman serves as a public liaison for issues about aircraft noise questions and complaints.

•FAA Noise Portal:
<https://noise.faa.gov/noise/pages/noise.html>.

•Email : 9-asw-noise@faa.gov

The screenshot shows a web form titled "Submit Noise Concern" with a blue header. The form contains several input fields, each with a placeholder text: "Name title*", "First name*", "Last name*", "House/Unit #*", "Street*", "City*", "Zip code*", "Email address*", and "Phone number:". A "Next page" button is located at the bottom left of the form. A small asterisk and the text "*mandatory field" are visible in the top right corner of the form area. The footer of the page reads "Casper Airport Solutions Inc".

VNP Update



- The Department of Aviation hosted a series of noise stakeholder meetings to review the Voluntary Noise Program (VNP) by discussing DAL's current program and provide feasible noise measures to the FAA for their review and implementation.
- The goal was to provide information on aircraft noise, the opportunity to review the existing program, and suggest new/modified feasible noise mitigating measures.
- Stakeholders consisted of a third-party Facilitator, Consultants (HMMH), Federal Aviation Administration (FAA), Department of Aviation (DOA), Airline representatives, Airport tenants, School representatives, Neighborhood Associations, and Individual Residents.

VNP Update



- Department of Aviation (DOA) has received the recommended measures document from the consolidated noise stakeholder group.
- Environmental Commission and City Council briefings are scheduled for fall of 2023.
- DOA will continue making edits to the PowerPoint intended to be utilized for the briefing.
- Once the PowerPoint is finalized with approval from the City Manager's Office, DOA will provide a copy to the noise stakeholders prior to the briefings.

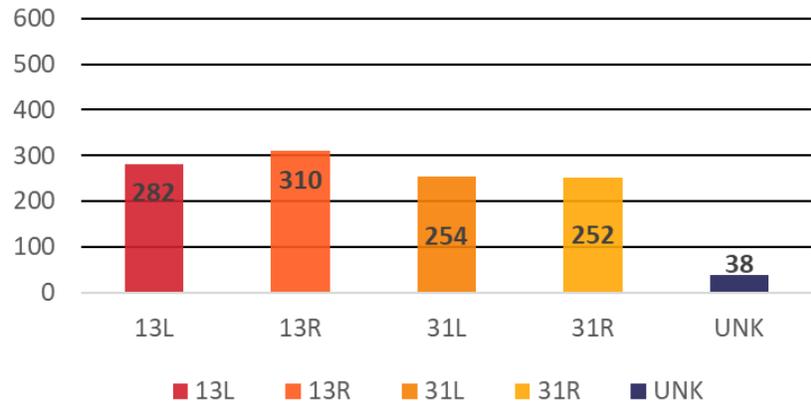
Voluntary Noise Program Operation Statistics (April – June 2023)



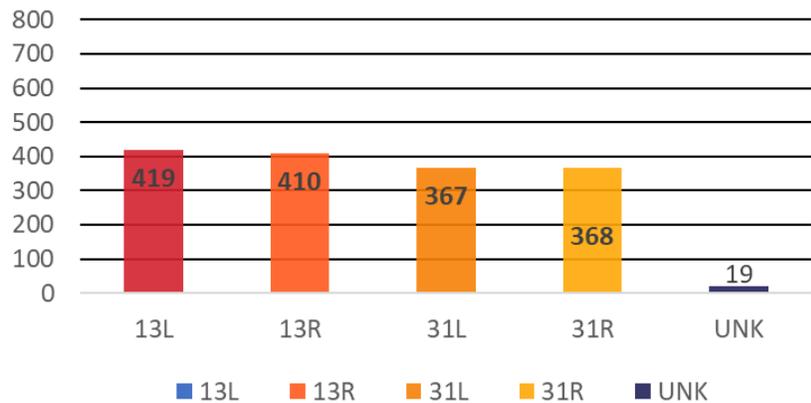
April 2023, 9:00 pm – 6:00 am



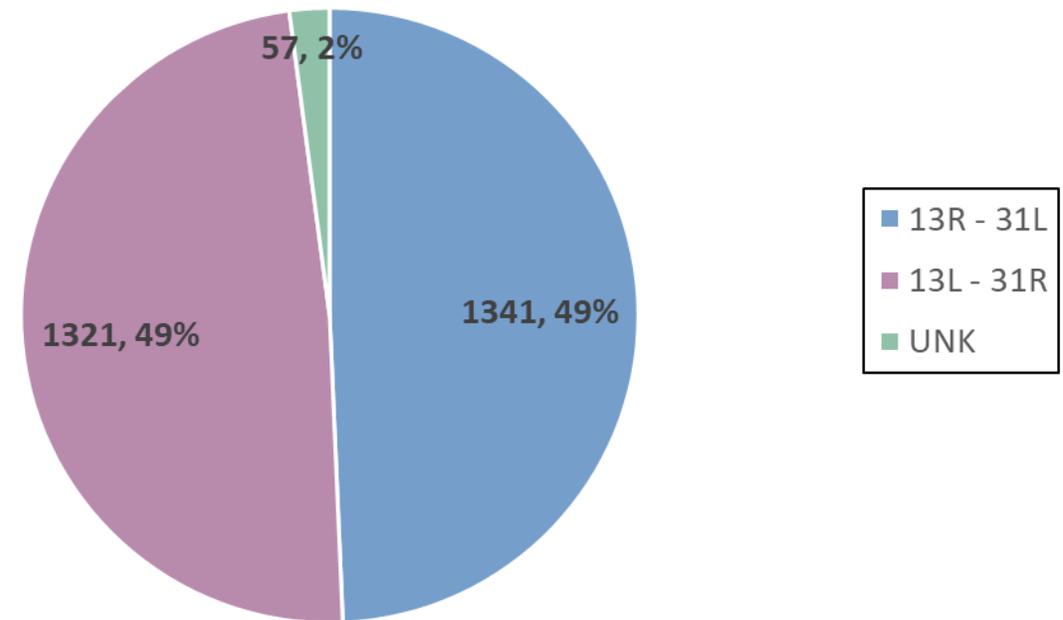
Departures Per Runway



Arrivals Per Runway

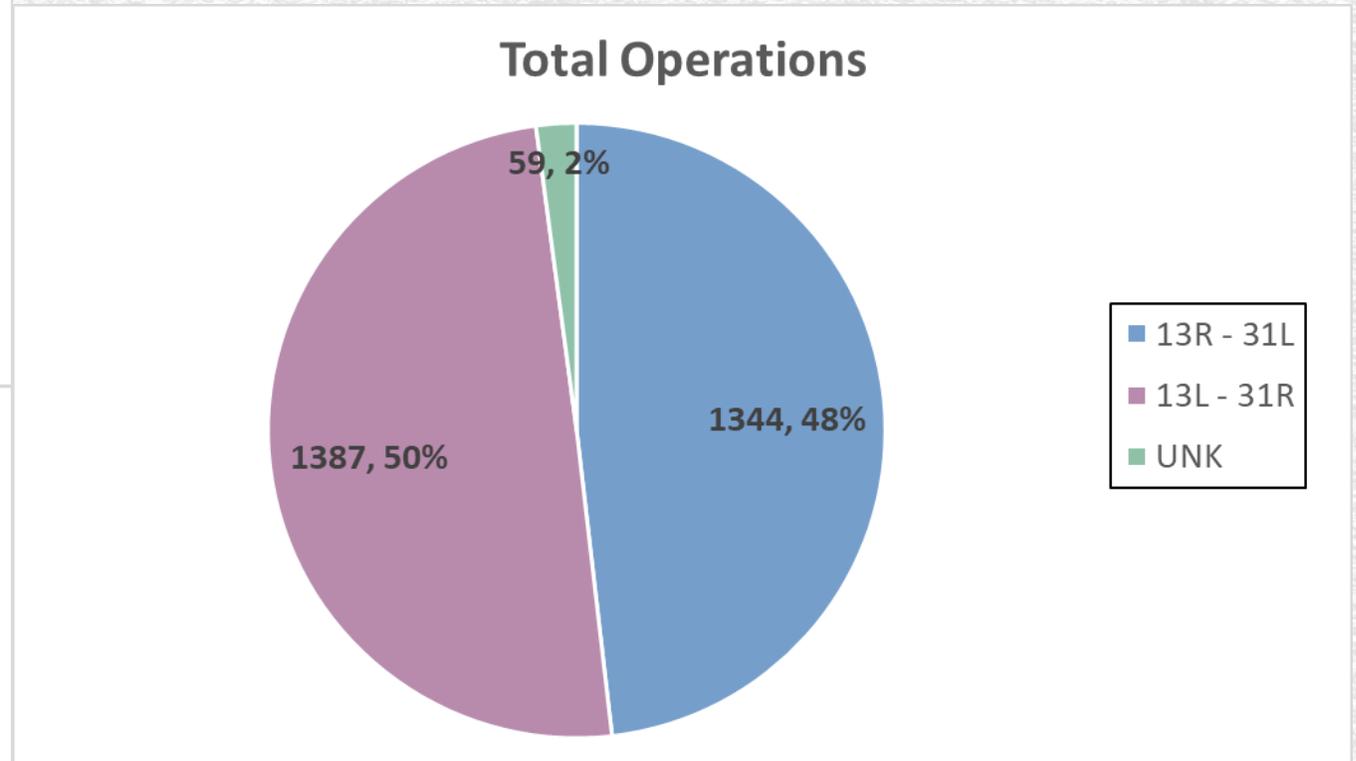
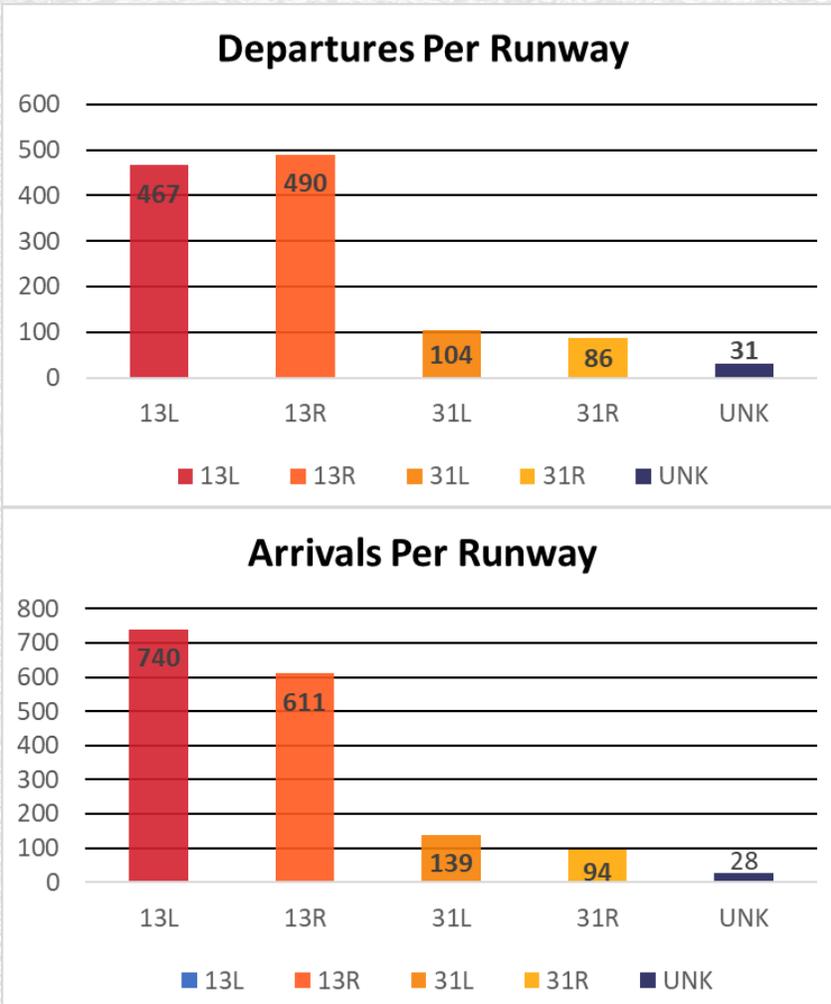


Total Operations



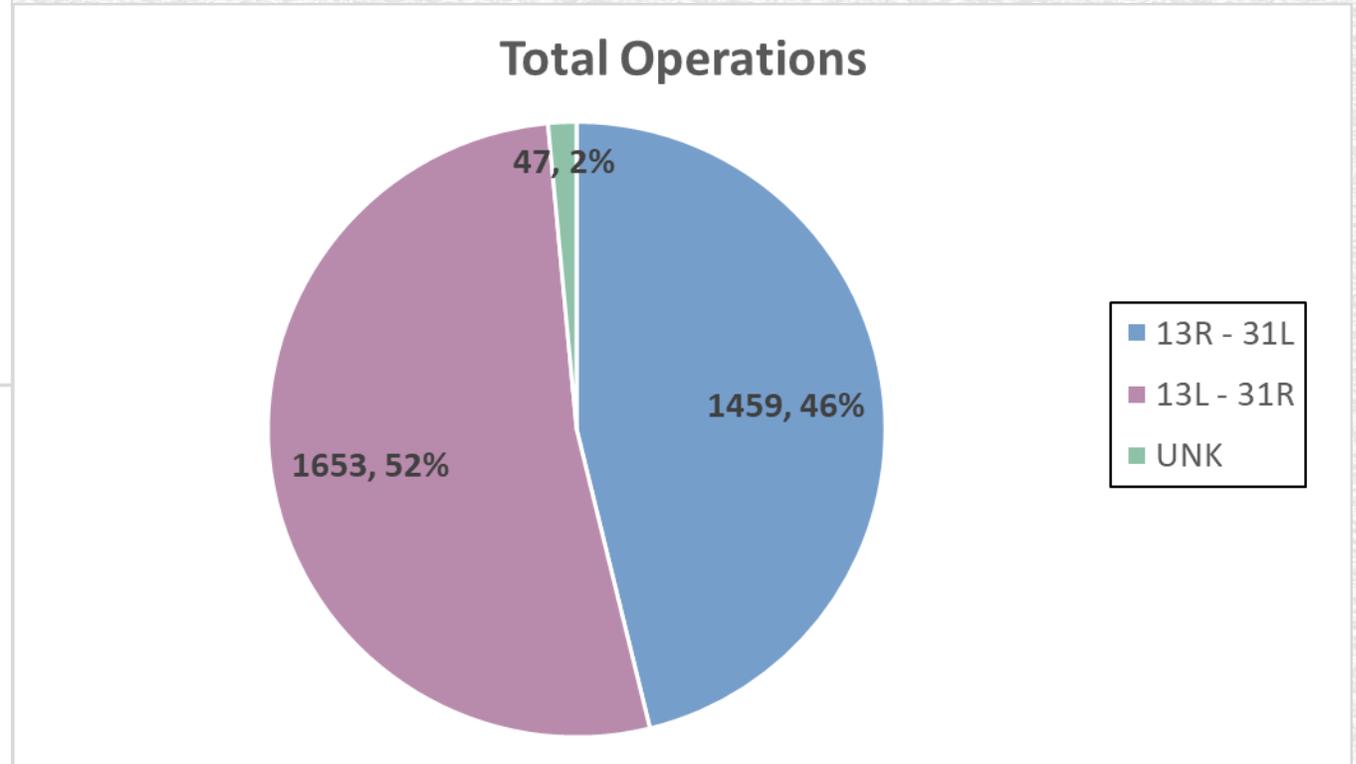
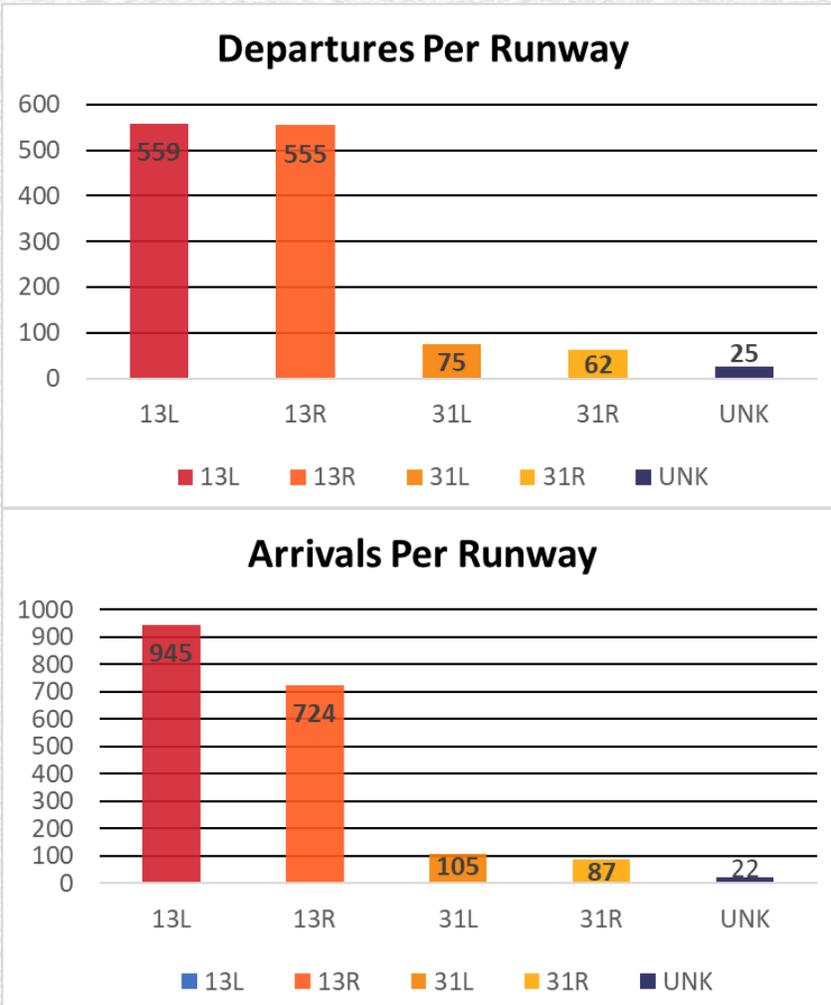
Source: Casper Airport Solutions Inc.

May 2023, 9:00 pm – 6:00 am



Source: Casper Airport Solutions Inc.

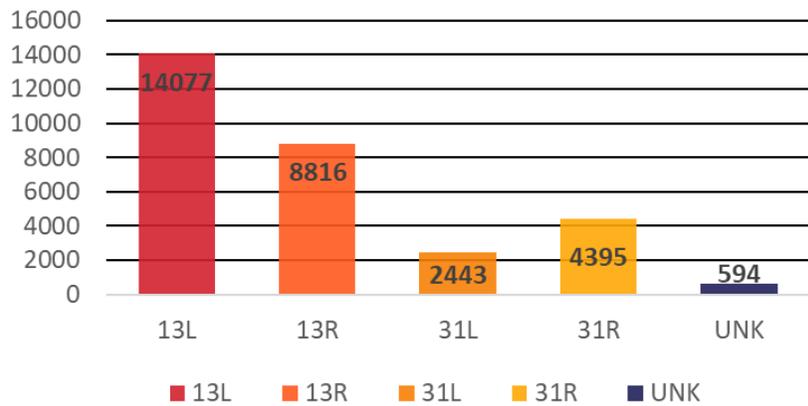
June 2023, 9:00 pm – 6:00 am



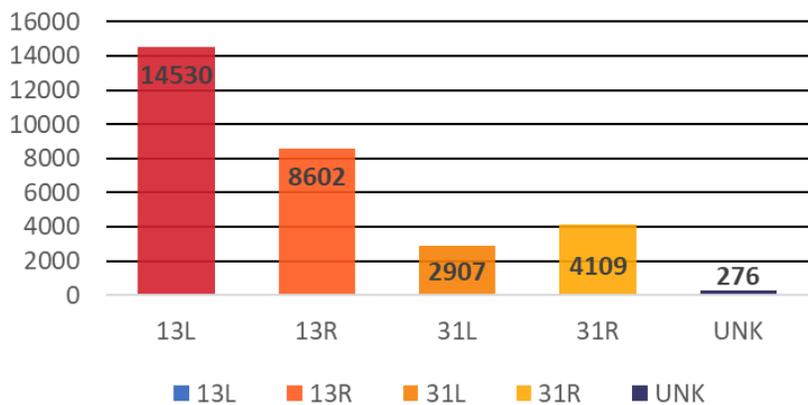
Source: Casper Airport Solutions Inc.

Total Operations (April - June 2023)

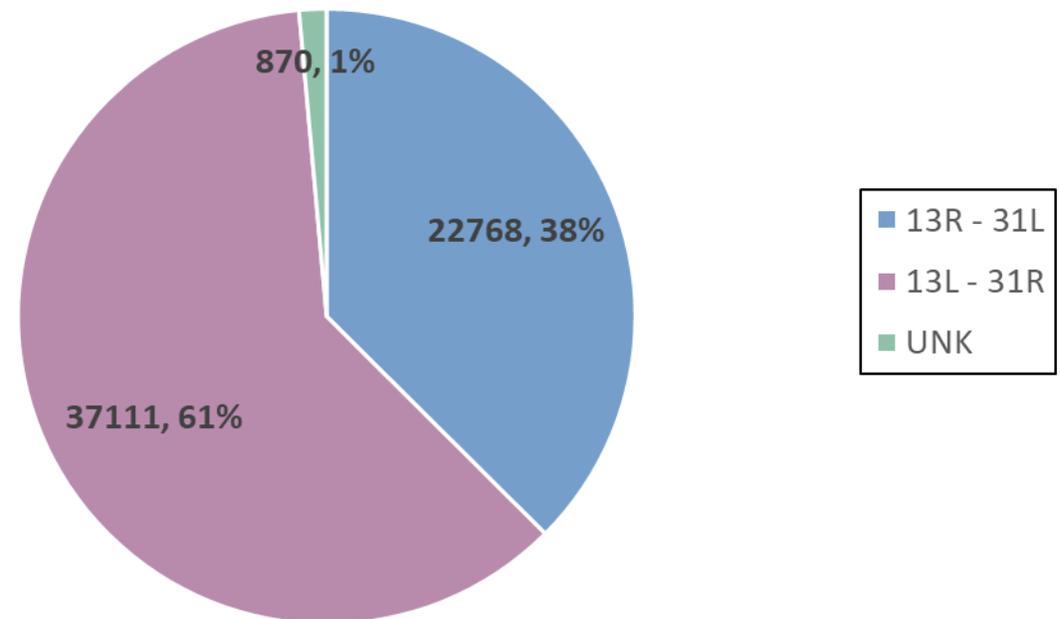
Departures Per Runway



Arrivals Per Runway

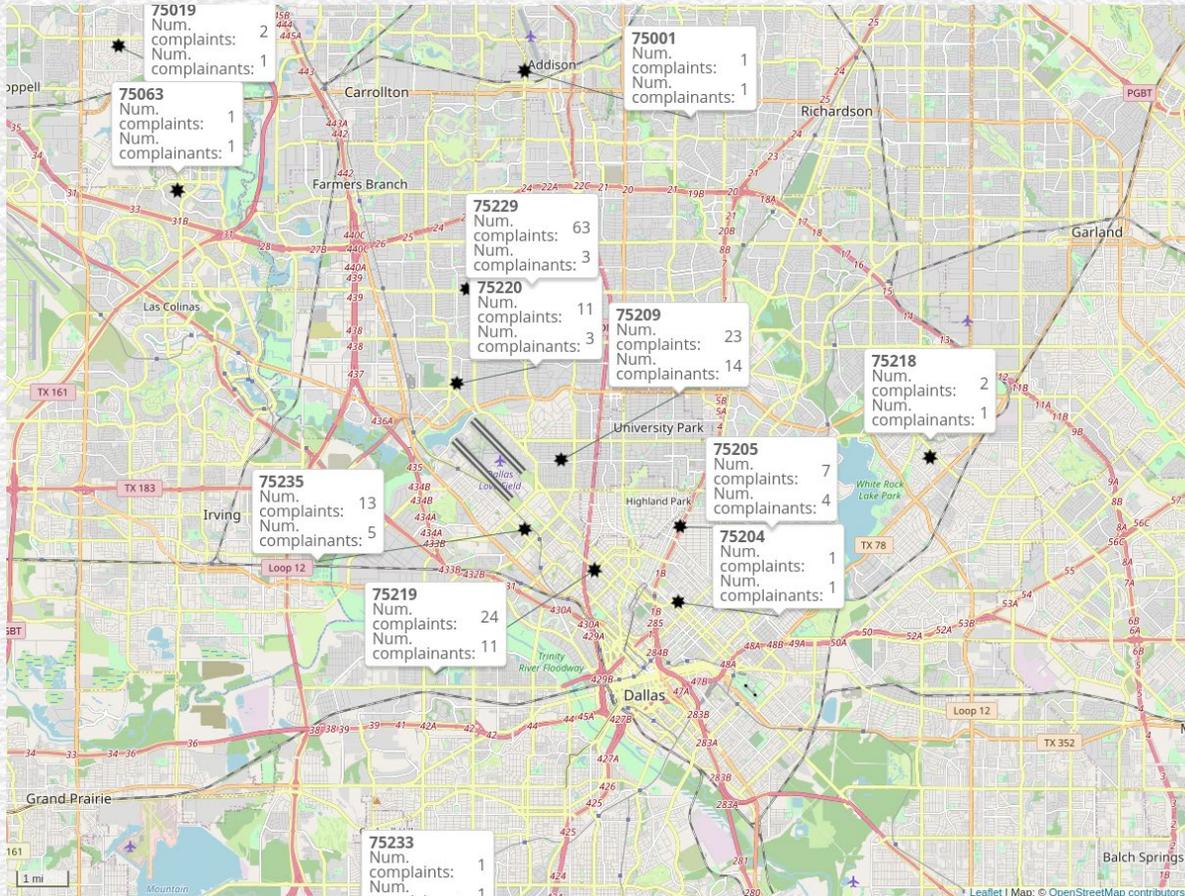


Total Operations



Source: Casper Airport Solutions Inc.

Noise Complaints (April – June 2023)



Disturbance Type	# of Complaints	% of Complaints
Loud	43	28.9%
Low & Loud	70	47.0%
Too Early	9	6.0%
General Aviation	8	5.4%
Other	7	4.7%
Military	1	0.7%
Run-up	2	1.3%
Low	4	2.7%
Preferential Runway	5	3.4%
TOTAL	149	

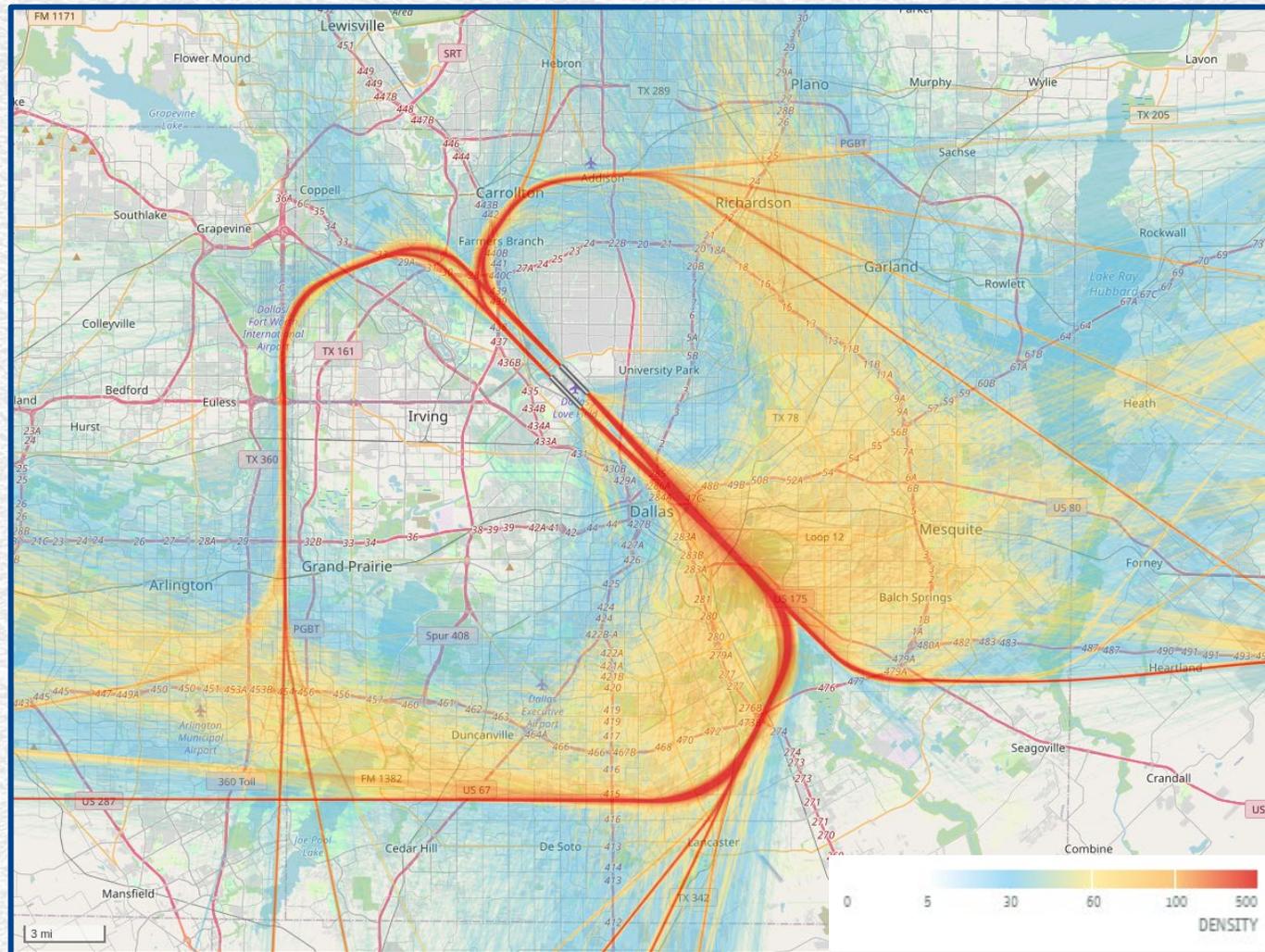
Time Complaint Received	April	May	June
Day Hours (6 a.m. - 9 p.m.)	17	16	56
Night Hours (9 p.m. - 5:59 a.m.)	18	16	26
TOTAL	35	32	82

Noise Complaint Source	
Web	144
Email	4
Phone	1
Total	149

Source: Casper Airport Solutions Inc.

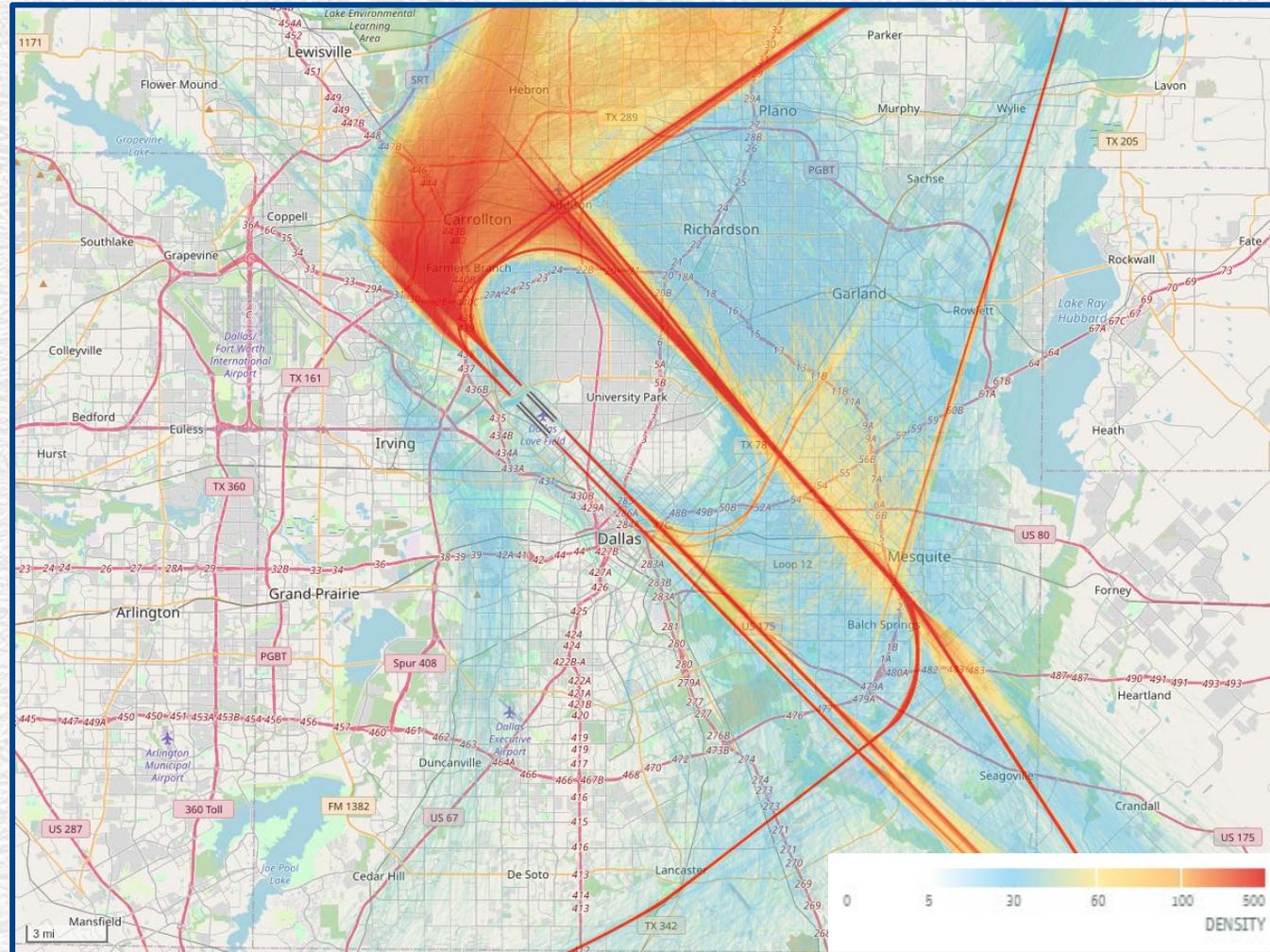


Radar Track Density Map - Departures (April – June 2023)



Source: Casper Airport Solutions Inc.

Radar Track Density Map - Arrivals (April – June 2023)



Source: Casper Airport Solutions Inc.

Environmental Updates



JetWind Power Corporation



- The Department of Aviation has partnered with Dallas-based JetWind Power Corporation to trial revolutionary technology that captures and converts man-made wind generated from an aircraft into clean and sustainable energy.
- The fundamental goal of this groundbreaking, patented Energy Capturing Pod (ECP) system is to capture man-made wind, generated from aircraft, train and auto usage, and to convert it into sustainable and environmentally friendly energy.
- The ECP at Dallas Love Field is strategically located next to the control tower, opposite gate 9.
- The Environmental team is currently exploring ways to utilize the energy captured from the ECP to benefit the airport's operations and passengers best.



Q&A

Adjourn

The Next LFEAC Meeting is TBD

For noise concerns visit
<https://dal.noiselab.casper.aero/>

For noise inquires email
avinoise@dallas.gov