

Community Noise Forum
Monday, September 23, 2024
Agenda

- I. Call to Order: 6:00 PM
- II. Approval of January 22, 2024, March 25, 2024, June 3, 2024, and July 22, 2004 Minutes
- III. LRAA Board Member Report
- IV. Active Noise Cancellation Update
- V. Airspace Project Update
- VI. Southwest Quadrant Working Group
- VII. Noise Exposure Map Update
- VIII. Part 150 NCP
 - a. Noise Insulation Program
 - b. Contraflow Exceptions
- IX. Current Noise Concerns
 - a. Noise Concerns/Complaints
 - b. Runway Utilization
 - c. Construction and Maintenance Activity
- X. Guest Comments
- XI. Announcements
- XII. Next Meeting: November 25, 2024
- XIII. Adjournment

COMMUNITY NOISE FORUM (CNF)
Monday, January 22, 2024

Members

Mary Rose Evans, ANA
John Sistarenik, LRAA Board
Jeff Kozak, UPS
Tom Foote, Airline Affairs
Patricia Gould, Northeast

Bob Slattery, LRAA
Greg Petto, FAA
Brian Sinnwell, LRAA
Doug Black, Southwest

Guests

Edward Mansfield, Merriweather
Christian Cobler, FAA
Mark Roth,
Courtney Tucker,
Kate Larson, HMMH
Travis Fiechter, Prestonia
Julia Nagy, HMMH
Tom Schnetzer, Kimley Horn

Suzie Wessel, Iroquois
Jessie Roth,
Troy Tucker,
Dorn Crawford, Audubon Park
Eugene Reindel, HMMH
Joni Steigerwald, C&S
Wendy Harrower, C&S
Steve Kozarovich, Price Weber

- I. **Call to order:** The meeting was called to order at 6:00 p.m. by Mary Rose Evans.
- II. **Approval of the September 25, 2023 and November 9, 2023 Minutes:** The meeting notes for September and November were reviewed with no changes and approved.
- III. **Active Noise Cancellation Grant Update:** The project team was on-site in December for the project kickoff. The team surveyed potential sites and took noise measurements. System is currently in the design phase and looking at building and testing the system in the lab starting in February.
- IV. **Airspace Project Update:** December 22nd was the last date to submit comments. Information and presentations from the Public Outreach meetings are still available on the FAA website.
- V. **Southwest Quadrant Working Group:** Doug Black is currently working on a presentation to the CNF.
- VI. **Noise Exposure Map Update Consultant Team Presentatiion:** Bob introduced Gene Reindel of the Consulting group HMMH. Gene introduced other members of the consultant team and gave a presentation on the SDF Noise Exposure Map

Update process. The presentation included information on roles and responsibilities, Part 150 overview, noise modeling, aviation forecasting, required noise metrics, supplemental noise metrics, health effects, and project schedule. An extensive question and answer period followed the presentation.

Mary Rose asked that due to time constraints unless someone has a specific question or concern on a specific agenda item to refer to the handout for information on the remaining agenda items or connect with Bob after the meeting.

VII. Part 150 NCP:

A. Noise Insulation Program: Residential: (see handout)

B. Contraflow Exceptions: Contraflow for November and December is listed in the handout.

VIII. Current Noise Concerns:

A. Report on Noise Concerns/Complaints: Comments and locations are contained in the handout.

B. Runway Utilization: Runway utilization for November and December are contained in the handout.

C. Construction and Maintenance Activity:

IX. Guest Comments: None

X. Announcements: None

XI. Next Meeting: March 25, 2024

XII. Adjournment: A motion was made to adjourn the meeting at 7:40 p.m.

COMMUNITY NOISE FORUM (CNF)
Monday, March 25, 2024

Members

Mary Rose Evans, ANA
John Sistarenik, LRAA Board
Tom Foote, Airline Affairs

Bob Slattery, LRAA
Brian Sinnwell, LRAA
Doug Black, Southwest

Guests

Edward Mansfield, Merriweather
Shane Jackson, FAA
Kiersten Matsue, St. James Ct.
Eugene Reindel, HMMH
Wendy Harrower, C&S

Leslie Faust, Spring Falls Ct.
Aubrey Murdock, Delor Av.
Ashkan Rezai, Metro 21
Andrew Gill,

- I. **Call to order:** The meeting was called to order as a committee of the whole at 6:00 p.m. by Mary Rose Evans.
- II. **Approval of the January 22, 2024, Minutes:** The meeting notes for January were reviewed with no changes and will be presented for approval at the June 3 meeting.
- III. **Active Noise Cancellation Grant Update:** This project is currently in the design phase. We currently anticipate installation in late summer or early fall.
- IV. **Airspace Project Update:** The updated procedures are currently scheduled for implementation in July.
- V. **Southwest Quadrant Working Group:** Doug Black reported that flights going to the southwest are departing on runway 17R and are banking and turning about halfway up the runway. This puts them within one-half mile of his back door. Tom Foote pointed out that the updated departure procedures should keep the aircraft on a more defined path and move them further away from Yorktown North. There was a lengthy discussion on capabilities of a Noise and Operations Monitoring System (NOMS) and Virtual Noise Monitors (VNMs). Due to time constraints, Mary Rose asked that this discussion be continued at the next CNF meeting.
- VI. **Noise Exposure Map Update:**
 - a. **Model Inputs:** Gene Reindel of HMMH reviewed the Noise Exposure Map Modeling Inputs with the CNF. Bob noted that the model inputs memo was

sent to the group prior to the meeting and asked that they review the memo and let him know by May 8th if there are questions or comments.

- b. **Supplemental Metrics:** Gene also reviewed proposed supplemental metrics with the group. HMMH is recommending Sound Exposure Level (SEL), Number Above (NA), and Time Above (TA). Mary Rose noted that these are not required for the Noise Exposure Map update. However, they are intended to help the community better understand the noise exposure at their location. Mary Rose also commented that her concern with SEL is that the number shown is actually higher than the loudest noise that is heard. Mr. Black thanked Gene for helping to explain the purpose of the different metrics. Comments from the group appear to confirm that the NA and SEL would address the concerns expressed. Gene said that HMMH would do a follow-on memo in order to clarify the metrics to be utilized.

Mary Rose asked that due to time constraints unless someone has a specific question or concern on a specific agenda item to refer to the handout for information on the remaining agenda items or connect with Bob after the meeting.

VII. Part 150 NCP:

A. **Noise Insulation Program: Residential:** (see handout)

B. **Contraflow Exceptions:** Contraflow for January and February is listed in the handout.

VIII. Current Noise Concerns:

A. **Report on Noise Concerns/Complaints:** Comments and locations are contained in the handout.

B. **Runway Utilization:** Runway utilization for January and February are contained in the handout.

C. **Construction and Maintenance Activity:**

- IX. **Guest Comments:** An unknown guest asked where the actual noise samples are taken. Bob explained that the noise is not measured with a noise monitor at a given location. The noise is determined by knowing the aircraft types, the noise levels of the aircraft, and where they are flying. That information is put into the model and calculated. Aubrey Murdock asked if the model inputs memo was currently a public document. Bob explained that at this point it is an internal document. However, once all the inputs have been finalized and the NEMs are completed there will be a public comment period and workshop where the information can be reviewed by the general public. An unknown guest asked if the information takes into account that he lives directly under the flight path. Bob explained that it did and referenced

the model inputs memo showing the arrival flight paths. Kiersten Matsue asked what exactly will be changing in July. Bob replied that the updated arrival and departure procedures associated with the airspace redesign project are scheduled to be implemented in July. He also referred her to the FAA website for additional information where the videos of the public workshop are available for viewing. Leslie Faust asked when the NEMs were last updated. Bob replied that they were last update in 2016. Typically, the maps are updated every 5 years however, due to COVID we were waiting for the operations to stabilize prior to beginning the update.

X. Announcements: None

XI. Next Meeting: May 27, 2024

XII. Adjournment: A motion was made to adjourn the meeting at 7:20 p.m.

COMMUNITY NOISE FORUM (CNF)
Monday, June 3, 2024

Members

Mary Rose Evans, ANA
John Sistarenik, LRAA Board
Doug Black, Southwest

Bob Slattery, LRAA
Brian Sinnwell, LRAA
Tom Foote, Airline Affairs

Guests

Edward Mansfield, Merriweather
Andrew Gill

Ken Kraska, Lydia Street

- I. **Call to order:** The meeting was called to order as a committee of the whole at 6:00 p.m. by Mary Rose Evans.
- II. **Approval of the January 22, 2024 and March 25, 2024 Minutes:** The meeting notes for January and March were reviewed with no changes and will be presented for approval at the July 22nd meeting.
- III. **Active Noise Cancellation Grant Update:** This project is currently in the design and testing phase. We currently anticipate installation in late summer or early fall.
- IV. **Airspace Project Update:** The updated procedures are currently scheduled for implementation on Thursday, July 11. John Sistarenik asked if there was any information on the UPS contract with the United States Postal Service (USPS). Tom Foote replied that the FedEx contract runs through September 30. However, there will be a transition period until UPS takes over completely on October 1. UPS will start flying some routes in July. There will be additional flights and it will all be daytime flying. Bob said that he will discuss the impact of the additional flights during the NEM updated discussion. Doug Black asked if the new Amazon facility has an impact on UPS flights and Tom replied that it is his understanding that it does not have an impact on the number of UPS flights.
- V. **Southwest Quadrant Working Group:** Edward Mansfield gave a presentation on his work to determine the amount of “Time in Seconds to Reach the Weighted Average 65 DNL.” Mr. Mansfield stated that he has not seen enough data to determine if the model is accurate or not. Mr. Kraska commented that it is his understanding that the FAA is currently looking at the noise model and how it could possibly be changed or improved. It is also his understanding that what the FAA says pretty much goes and the airport must do what the FAA says when it comes to noise modeling. A discussion followed on the potential accuracy of the FAA noise model.

VI. Noise Exposure Map Update: Bob reported that the project team is currently working through 2 issues with the FAA:

- A. Forecast:** The consultant is working with the FAA regarding their concerns about how the Master Plan forecast and the FAA Terminal Area Forecast (TAF) line up. While working through these issues, we received the announcement regarding UPS and the contract with USPS. The team is currently taking a close look at what impact this will have on the project forecast.
- B. User Defined Profiles:** Instead of using standard AEDT profiles for departing aircraft, HMMH in coordination with UPS has developed user defined profiles that more closely match the actual profile flown by the primary operator at SDF. These profiles were recently submitted to the FAA for approval.

Mr. Black asked if the profiles had to do with the direction aircraft were flying. Bob replied that the direction aircraft fly is more related to runway use. The procedures that specify how runways are used is part of the Noise Compatibility Program (NCP). Currently, this project is to update the NEMs only. It is possible that the NCP could be updated later if new measures were required to address potential new noncompatible land use depicted on the updated maps. Mr. Black also asked if the rate of climb is part of the User Defined Profiles. Bob replied that the rate of climb is part of the profiles. Mary Rose asked if UPS planes carry more fuel than required in order to not have to get fuel at the next stop. Tom Foote replied that he does not believe that to be the case. Occasionally there may be fuel supply issues at other locations. However, if does occur it would be a very small percentage. A discussion followed on the weight of UPS aircraft. Mary Rose asked if there was a mechanism to give information about noise abatement procedures to pilots and/or is it helpful. Bob Slattery replied that at an airport such as SDF most of the flights would be Instrument Flight Rules and they will be following instrument flight procedures. It may be more helpful at an airport like Bowman Field where most of the aircraft are flying Visual Flight Rules and could be briefed on cues unique to the local area. A discussion followed on the potential benefit of Noise and Operation Monitoring. Mary Rose asked that due to time constraints unless someone has a specific question or concern on a specific agenda item to refer to the handout for information on the remaining agenda items or connect with Bob after the meeting.

VII. Part 150 NCP:

A. Noise Insulation Program: Residential: (see handout)

B. Contraflow Exceptions: Contraflow for March and April is listed in the handout.

VIII. Current Noise Concerns:

A. Report on Noise Concerns/Complaints: Comments and locations are contained in the handout.

B. Runway Utilization: Runway utilization for March and April are contained in the handout.

C. Construction and Maintenance Activity:

IX. Guest Comments:

X. Announcements: None

XI. Next Meeting: July 22, 2024

XII. Adjournment: A motion was made to adjourn the meeting at 7:21 p.m.

COMMUNITY NOISE FORUM (CNF)
Monday, July 22 2024

Members

Mary Rose Evans, ANA
John Sistarenik, LRAA Board
Tom Foote, Airline Affairs

Bob Slattery, LRAA
Brian Sinnwell, LRAA
Doug Black, Southwest

Guests

Edward Mansfield, Merriweather
Andrew Gill, Self
Wendy Harrower, QuieterHome Program
Adam Thomas, Self

Ken Kraska, Lydia Street
Dorn Crawford, Audubon Park
Shane Jackson, FAA
Ashkan Rezai, Metro 21

- I. **Call to order:** The meeting was called to order as a committee of the whole at 6:00 p.m. by Mary Rose Evans.
- II. **Approval of the January 22, 2024, March 25, 2024, and June 3, 2024 Minutes:** The meeting notes for January, March, and June were reviewed with no changes and will be presented for approval at the September 23rd meeting.
- III. **Active Noise Cancellation Grant Update:** – The consortium (HMMH/NIA) is currently testing software. A full system test is planned for August at NIA in Virginia. On-site testing at SDF is anticipated for late September or early October.
- IV. **Airspace Project Update:** The updated procedures were implemented at 5:00 a.m. on July 11. It appears that everything is going as planned. Bob Slattery gave a short presentation on flight tracks before and after the new procedures went into effect. Mary Rose asked if the new procedures would be accounted for in the new Noise Exposure Maps. Bob replied that the base case (2024) will be done with the old procedures and the forecast 2029 map will use the new procedures.
- V. **Southwest Quadrant Working Group:** No Report.
- VI. **Noise Exposure Map Update:** Bob reported that the project team is still working through 2 issues with the FAA:
 - A. **Forecast:** The consultant team has addressed concerns from the FAA regarding the forecast and we expect to have approval shortly.

- B. User Defined Profiles:** After a meeting with the FAA to address their concerns, the consultants are currently working on revising the memo to incorporate the items requested by FAA.

Once we receive approval from the FAA on the two outstanding items, the consultants will be ready to run the model. It is possible that initial model results could be available at the September meeting.

VII. Part 150 NCP:

- A. Noise Insulation Program: Residential:** 747 have receives sound insulation as of July 1, 2024. Construction for an additional 30 families is scheduled to begin in early August.
- B. Contraflow Exceptions:** Contraflow for May and June is listed in the handout.

VIII. Current Noise Concerns:

- A. Report on Noise Concerns/Complaints:** Comment locations and summary for May and June are contained in the handout.
- B. Runway Utilization:** Runway utilization and tower comments for May and June are contained in the handout. Adam Thomas asked if there was anything going on this past weekend that would have caused the airport to be in north flow from Friday until approximately 6:00 p.m. today. Bob responded that he did not know of any reason offhand, but he would investigate. Edwaard Mansfield said he was trying to determine the number of arrivals and departures by runway for 2016 and 2021. Bob replied that he can get with Mr. Mansfield after the meeting and direct him to that information.
- C. Construction and Maintenance Activity:** Brian Sinnwell reported that there is a lot of construction activity at the airport. The primary focus currently is on the east runway. This focus will shift to the west runway as we get closer to September. Taxiway “L” work began today and will be ongoing, as well as work on taxiway “B”. There will be a lot of moving around from spot to spot on the airfield between now and the end of November.

IX. Guest Comments: None

- X. Announcements:** John Sistarenik announced that the LRAA board approved a contract with Casper Airport Solutions for a new flight tracking system at the airport. The board also approved C&S Engineers to perform an aircraft noise analysis at Bowman Field (LOU). This work would provide Day/Night Noise contours for LOU and recommend noise abatement flight corridors for helicopters a LOU. A contract for the sound insulation of an additional 29 families was also approved.

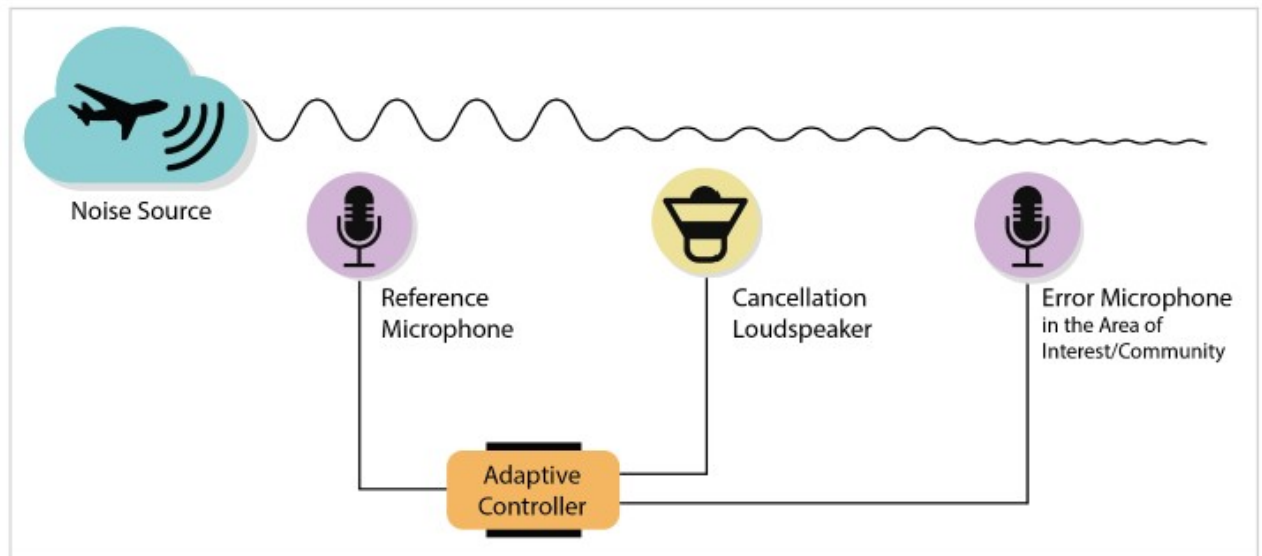
XI. Next Meeting: September 23, 2024

XII. Adjournment: A motion was made to adjourn the meeting at 6:52 p.m.

Active Noise Control

Project Overview

This project includes the design, installation, optimization, and maintenance of an active noise control system to help reduce noise in the adjacent communities exposed to aircraft noise from the start-of-takeoff roll on departure at Louisville Muhammad Ali International Airport (SDF). An off site full system test is scheduled for September in Virginia. On site system testing at SDF is currently scheduled for late October or early November.



Residential Sound Insulation

<u>Program Overview</u>
QuieterHome Program began in 2008
Funding is 90% FAA, with the remaining 10% from the Airport Authority
542 families completed by 2015 along Preston Hwy corridor
549 additional families potentially eligible as of 2021 in new program area, northeast of SDF
764 Families completed as of August 1, 2024
<u>Current Program Status</u>
Package 6 - 34 Families Began: December 2023 Completed: April 2024
Package 7 - 30 Began: May 2024 Completed: July 2024
Package 8 - 29 (March 2024 Board) Began: August 2024 Completed: October 2024 (est)
Package 9 - 31 (September 2024 Board) Began: February 2025 (est) Completed: April 2025 (est)



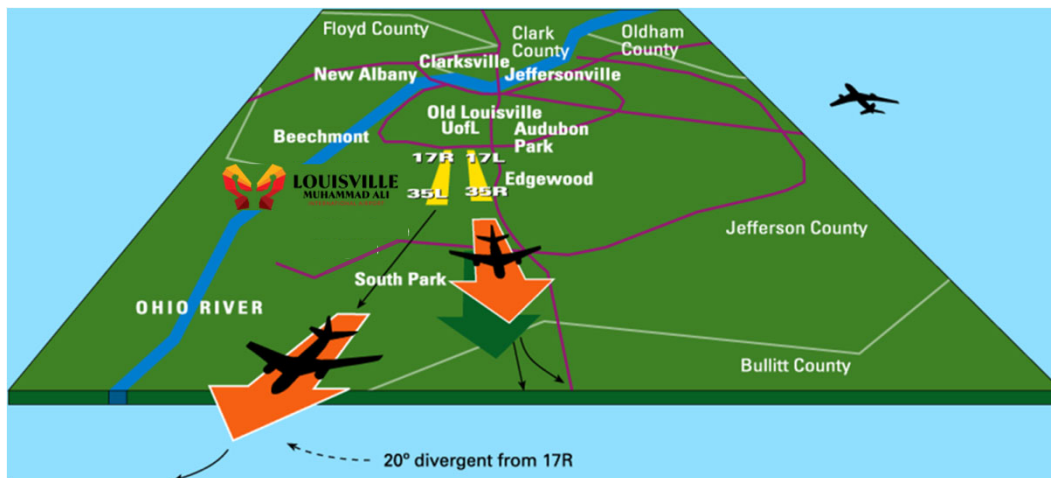
CONTRAFLOW

Between the hours of 10:00 p.m. and 7:00 a.m., the Airport operates from the south and to the south (contraflow) whenever wind, weather, and demand allow. Contraflow procedures require aircraft to arrive on Runways 35R and 35L and depart on Runways 17R and 17L in order to direct aircraft operations south of the Airport over areas which are less densely populated than areas north of the Airport.

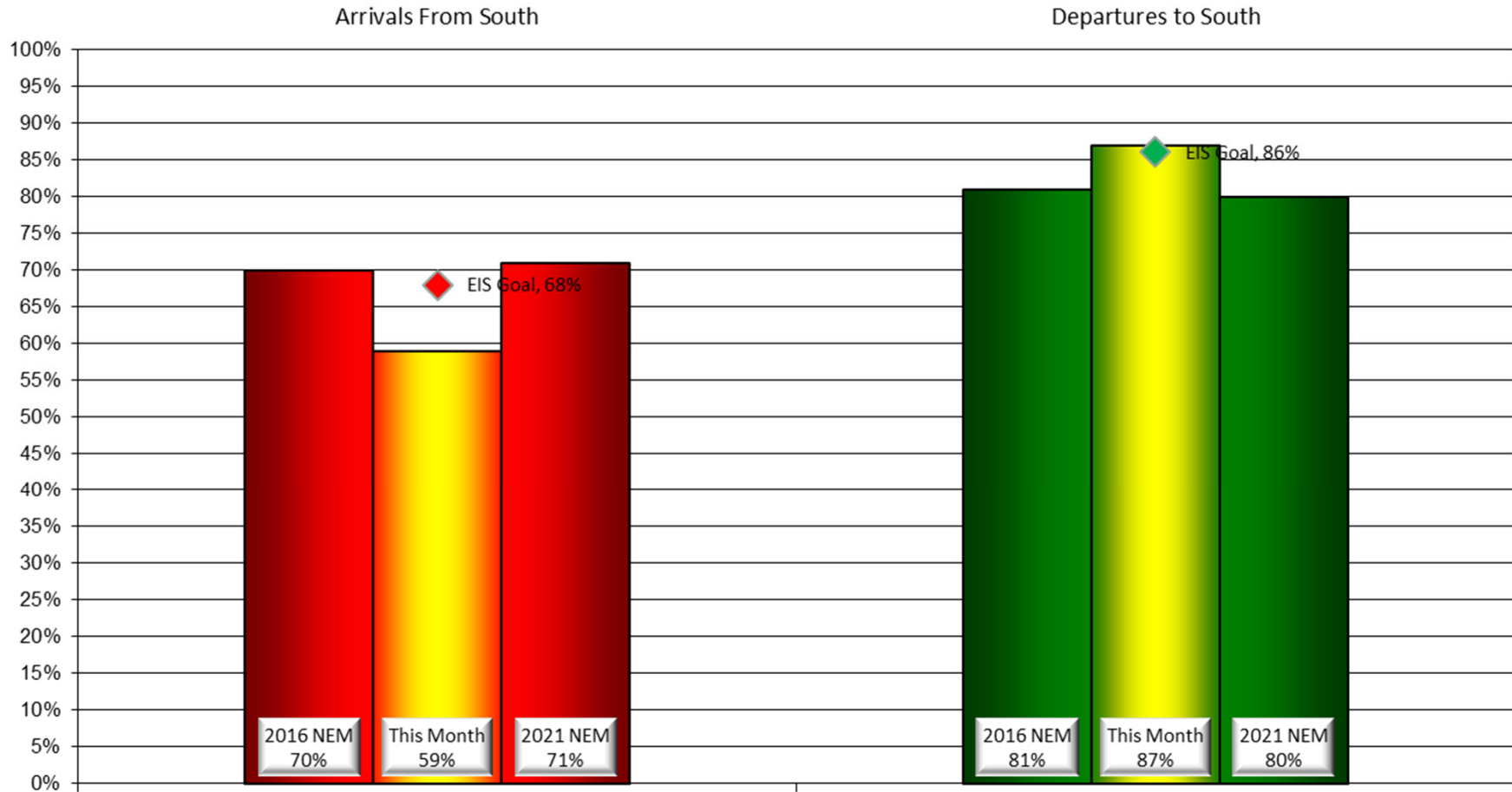
Inbound



Outbound



Monthly Contraflow July 1-31, 2024



Nightly Runway Use Summary – July 2024

(from 10:00 PM date list in first column to 7:00 AM the following morning)

		% of all arrivals from the south									% of all departures to the south											
Date	Day	* in	Runway#						Unknown	Notes / Comments	** in	Runway#						Unknown	Notes / Comments			
		compliance	11	17L	17R	29	35L	35R	Use		compliance	11	17L	17R	29	35L	35R	Use				
07-01-24	Mon	96%			1	3			58	38	0				41	51			4	4	0	
07-02-24	Tue	0%			45	55					0	140-190@4-9 kts			37	63					0	
07-03-24	Wed	0%			38	62					0	200-030@3-4 kts			31	69					0	
07-04-24	Thu	0%			39	61					0	210-270@3-5kts			36	64					0	
07-05-24	Fri	96%			1	3			62	34	0				36	60			3	1	0	
07-06-24																						
07-07-24																						
07-08-24	Mon	97%			2	1			61	36	0				43	49			5	3	0	
07-09-24	Tue	0%			38	62					0	170-280@7-23			42	58					0	
07-10-24	Wed	7%			38	55			4	3	0	200-260@3-6			43	57					0	
07-11-24	Thu	97%			2	1			53	44	0				37	52			6	5	0	
07-12-24	Fri	93%			1	6			52	41	0				37	59			1	3	0	
07-13-24	Sat																					
07-14-24	Sun																					
07-15-24	Mon	0%			35	65					0	210-250@8			20	80					0	
07-16-24	Tue	0%			52	48					0	120-290@4-12			46	54					0	
07-17-24	Wed	100%							59	41	0							58	42	0	360-010@9-11	
07-18-24	Thu	97%			1	2			50	47	0				39	50			6	5	0	
07-19-24	Fri	100%							66	34	0				4	13			49	34	0	340-010@4-8
07-20-24	Sat																					
07-21-24	Sun																					
07-22-24	Mon	98%			1	1			58	40	0				35	53			4	8	0	
07-23-24	Tue	96%			1	3			54	42	0				40	49			7	4	0	
07-24-24	Wed	96%			3	1			56	40	0				36	53			7	4	0	
07-25-24	Thu	97%			1	2			56	41	0				31	60			4	5	0	
07-26-24	Fri	98%			1	1			61	37	0				53	42			4	1	0	
07-27-24	Sat																					
07-28-24	Sun																					
07-29-24	Mon	0%			45	54		1			0	160-240@6-14			42	58					0	
07-30-24	Tue	0%			45	55					0	180-280@5-10			39	61					0	
07-31-24	Wed	94%			2	4			54	40	0				37	51			7	5	0	

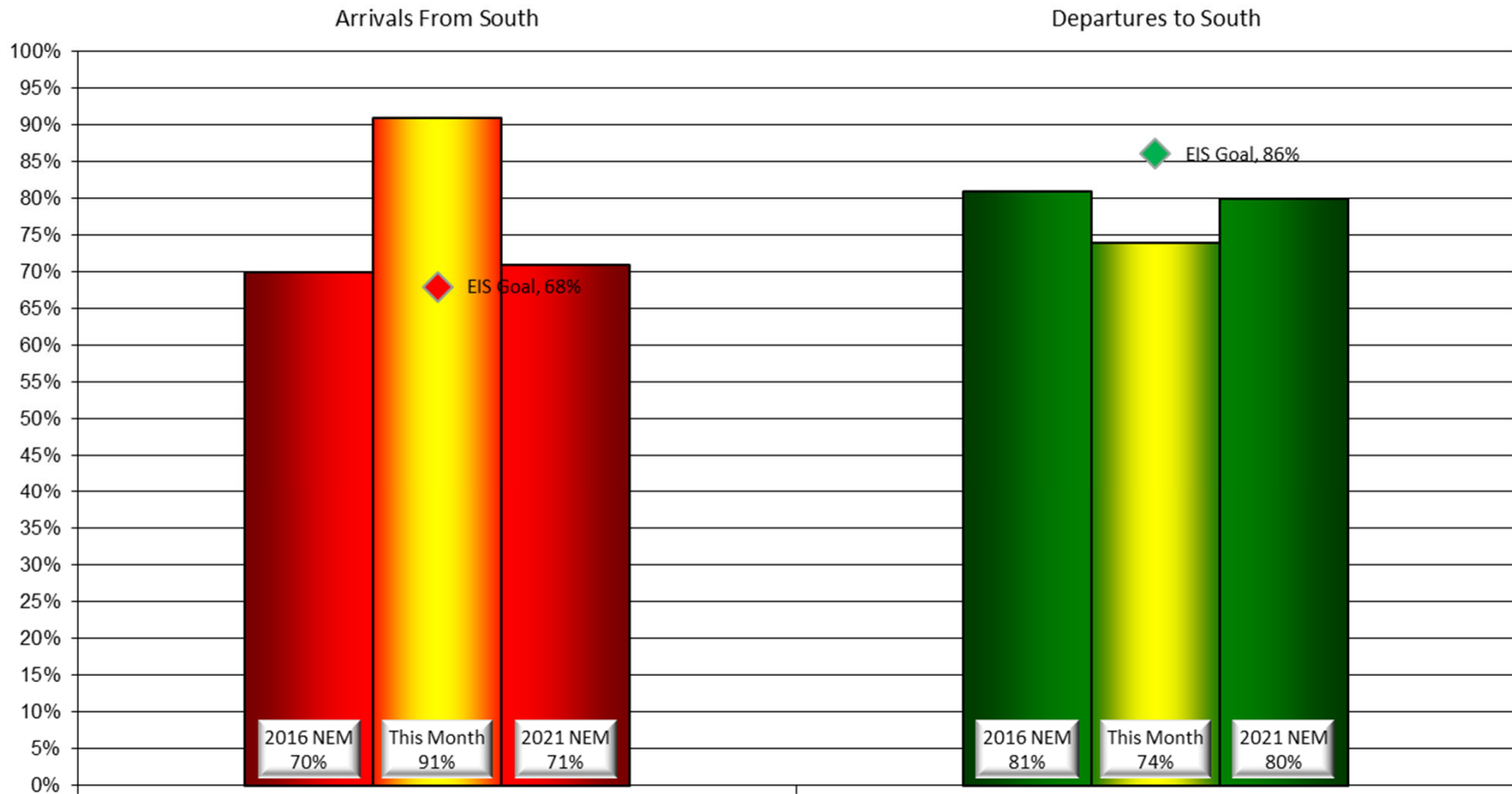
Preferred Flow

DATIS Reported Conditions Indicate Support for Non-Preferred Flow

DATIS Reported Conditions Do Not Indicate Support for Non-Preferred Flow



Monthly Contraflow August 1-31, 2024



Nightly Runway Use Summary – August 2024

(from 10:00 PM date list in first column to 7:00 AM the following morning)

		% of all arrivals from the south									% of all departures to the south											
Date	Day	* in	Runway#						Unknown	Notes / Comments	** in	Runway#						Unknown	Notes / Comments			
		compliance	11	17L	17R	29	35L	35R	Use		compliance	11	17L	17R	29	35L	35R	Use				
08-01-24	Thu	72%			10	18			40	32	0				37	51			7	5	0	
08-02-24	Fri	95%			1	4			57	38	0				38	58			2	2	0	
08-03-24	Sat																					
08-04-24	Sun																					
08-05-24	Mon	97%			2	1			63	34	0				37	52			7	4	0	
08-06-24	Tue	94%			1	5			59	35	0				36	55			5	4	0	
08-07-24	Wed	100%							55	45	0								62	38	0	350-360@6-9
08-08-24	Thu	100%							62	38	0								54	46	0	310-350@6-11
08-09-24	Fri	100%							65	35	0								57	43	0	330-360@5-11
08-10-24	Sat																					
08-11-24	Sun																					
08-12-24	Mon	99%				1			60	39	0				37	53			9	1	0	
08-13-24	Tue	99%				1			54	45	0				39	49			7	5	0	
08-14-24	Wed	94%			3	3			57	37	0				39	52			6	3	0	
08-15-24	Thu	0%			43	57					0	120-180@3-6			44	56					0	
08-16-24	Fri	90%			3	7			53	37	0				39	57			2	2	0	
08-17-24	Sat																					
08-18-24	Sun																					
08-19-24	Mon	100%							55	45	0								64	36	0	360-020@5-8
08-20-24	Tue	99%				1			58	41	0				40	53			4	3	0	
08-21-24	Wed	98%			1	1			56	42	0				36	51			7	6	0	
08-22-24	Thu	94%			1	5			54	40	0				36	54			5	5	0	
08-23-24	Fri	96%			1	3			57	39	0				36	60			2	2	0	
08-24-24	Sat																					
08-25-24	Sun																					
08-26-24	Mon	98%			1	1			57	41	0				34	54			8	4	0	
08-27-24	Tue	97%			2	1			57	40	0				34	48			10	8	0	
08-28-24	Wed	97%			1	2			57	40	0				36	53			4	7	0	
08-29-24	Thu	95%			1	4			52	43	0				31	52			6	11	0	
08-30-24	Fri	97%			1	2			62	35	0				34	57			6	3	0	

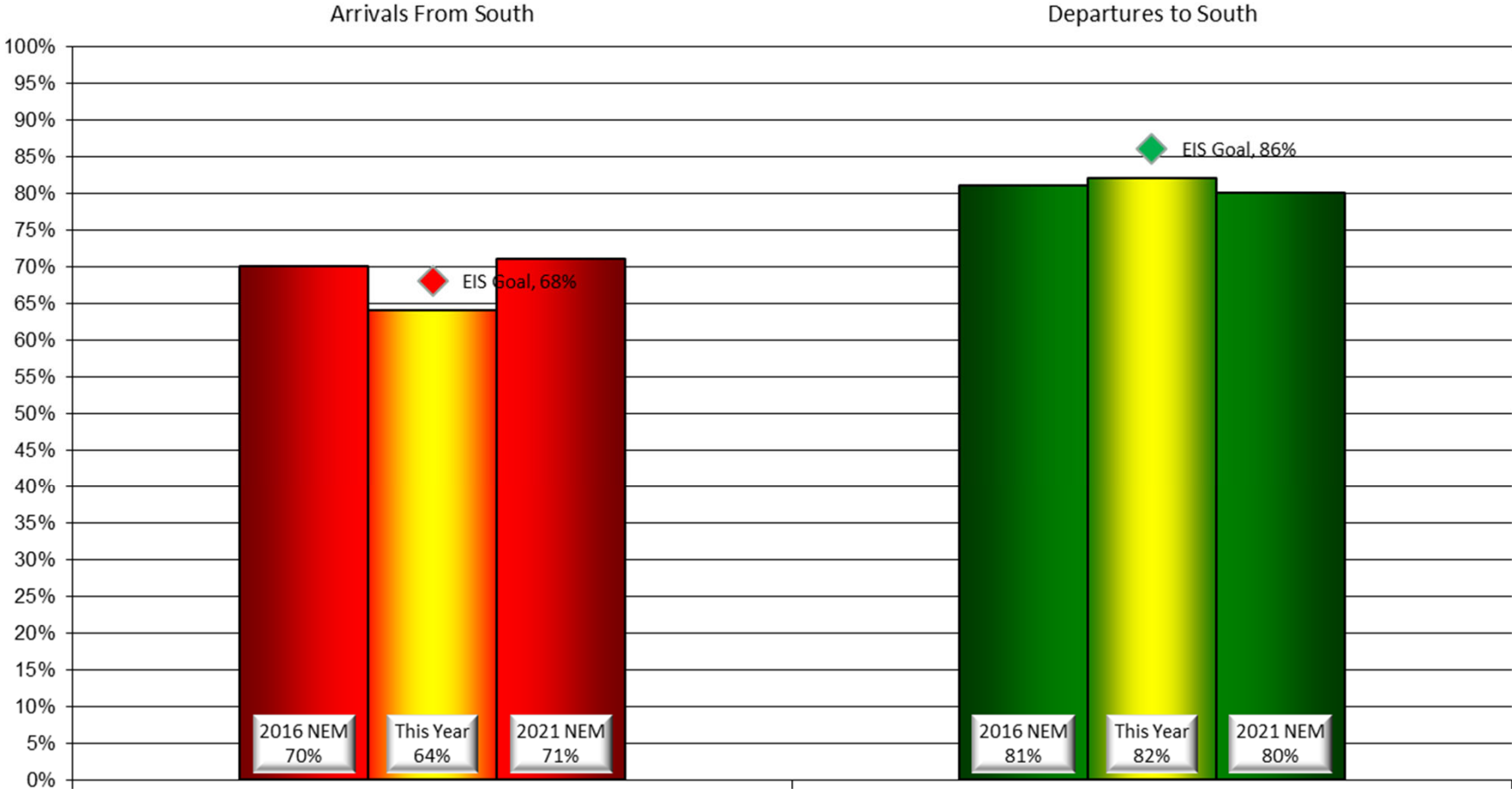
Preferred Flow

DATIS Reported Conditions Indicate Support for Non-Preferred Flow

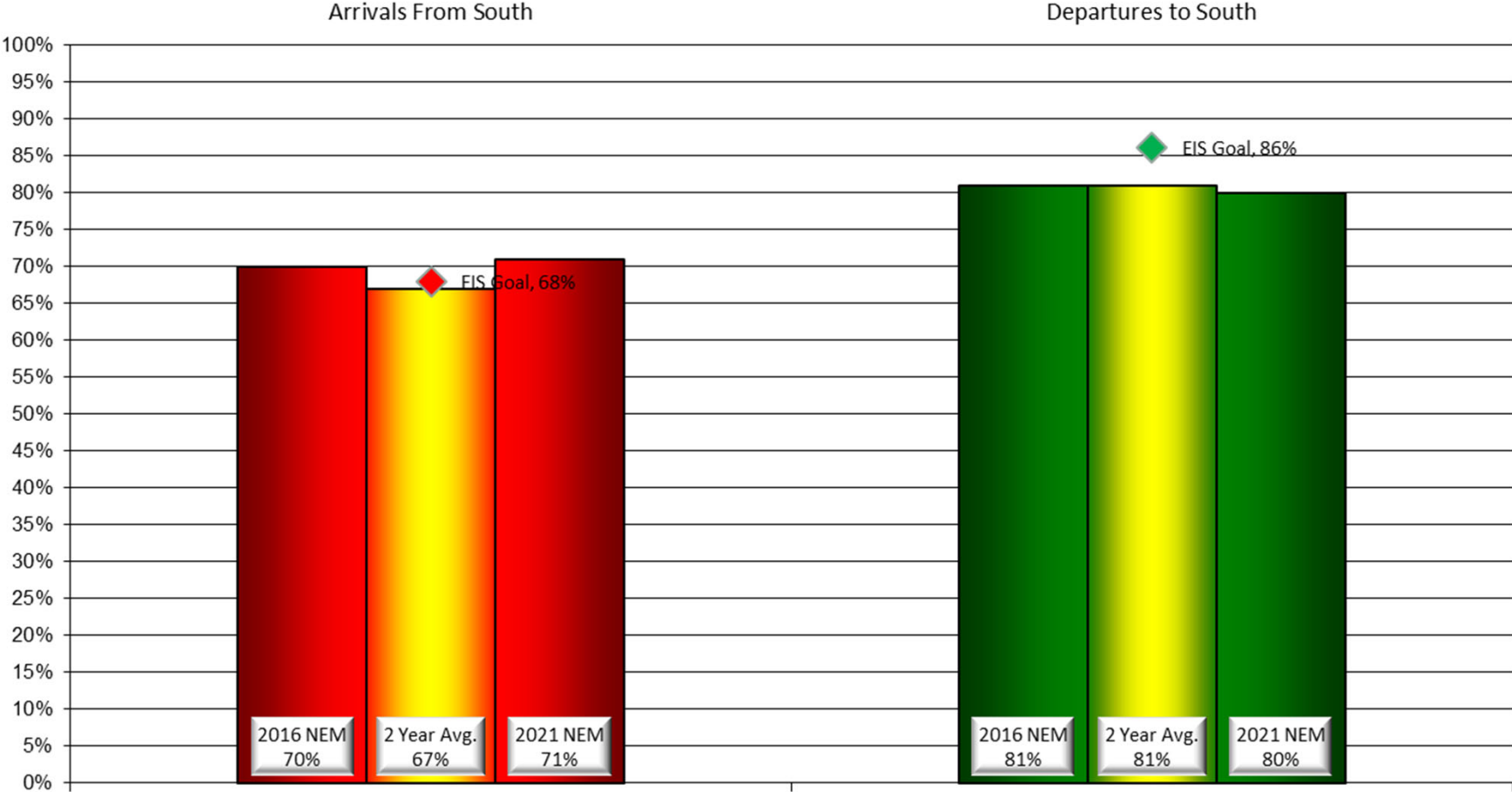
DATIS Reported Conditions Do Not Indicate Support for Non-Preferred Flow



Contraflow This Year As of August 31, 2024



**Contraflow 2 Year Average
September 2022 - August 2024**



Year-to-Year by Month Percent*

Contraflow

Arrivals From the South (Goal 68%)										Departures to the South (Goal 86%)									
	2017	2018	2019	2020	2021	2022	2023	2024	Avg		2017	2018	2019	2020	2021	2022	2023	2024	Avg
Jan	65%	60%	75%	56%	71%	78%	67%	52%	66%		61%	72%	69%	82%	71%	65%	75%	79%	72%
Feb	58%	67%	78%	78%	87%	67%	62%	65%	70%		77%	70%	57%	43%	45%	56%	72%	72%	62%
Mar	79%	84%	82%	65%	51%	62%	59%	47%	66%		62%	61%	89%	64%	77%	77%	70%	88%	74%
Apr	56%	73%	65%	71%	62%	64%	76%	58%	66%		80%	72%	82%	69%	75%	82%	88%	83%	79%
May	75%	43%	65%	71%	71%	51%	84%	64%	66%		80%	89%	90%	90%	63%	83%	73%	84%	82%
Jun	74%	74%	50%	69%	65%	67%	85%	75%	70%		93%	91%	91%	88%	84%	70%	89%	93%	87%
Jul	85%	90%	75%	72%	70%	55%	68%	59%	72%		85%	77%	87%	91%	76%	95%	91%	87%	86%
Aug	79%	72%	88%	82%	74%	78%	91%	91%	82%		90%	88%	89%	87%	88%	89%	82%	74%	86%
Sep	85%	80%	83%	83%	63%	91%	78%		81%		31%	87%	77%	85%	90%	75%	79%		77%
Oct	81%	77%	79%	71%	69%	68%	58%		73%		82%	76%	78%	72%	76%	78%	67%		76%
Nov	69%	76%	70%	51%	61%	60%	53%		64%		75%	54%	72%	78%	81%	86%	79%		75%
Dec	74%	72%	76%	67%	56%	53%	62%		67%		74%	61%	72%	69%	80%	88%	87%		74%
Avg	73%	72%	74%	70%	67%	66%	70%	64%			74%	75%	79%	77%	76%	79%	79%	83%	

NOISE COMMENT REPORT

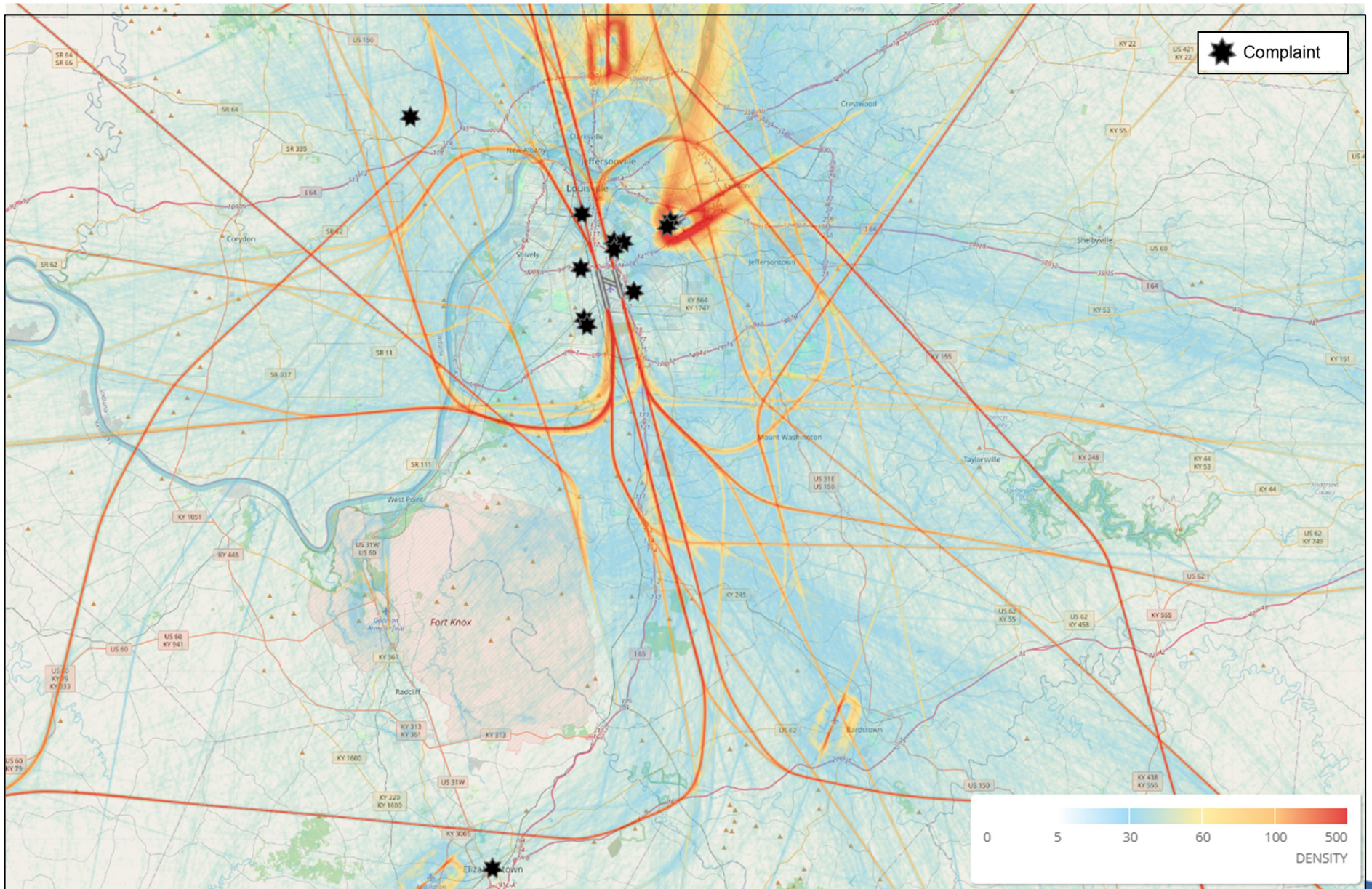
LOUISVILLE

REGIONAL AIRPORT AUTHORITY



July 2024

Flight Track Density / Comment Location July 2024 (SDF/LOU)



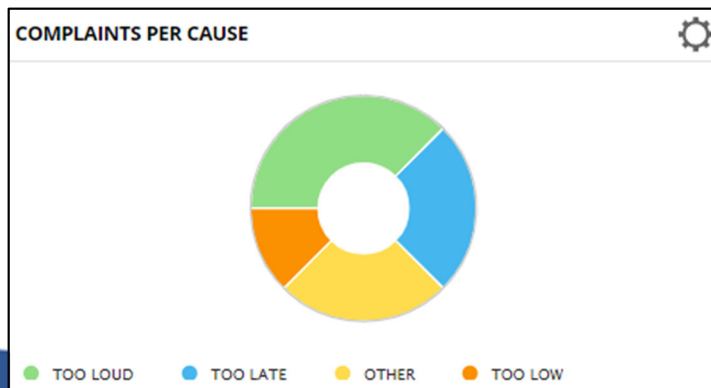
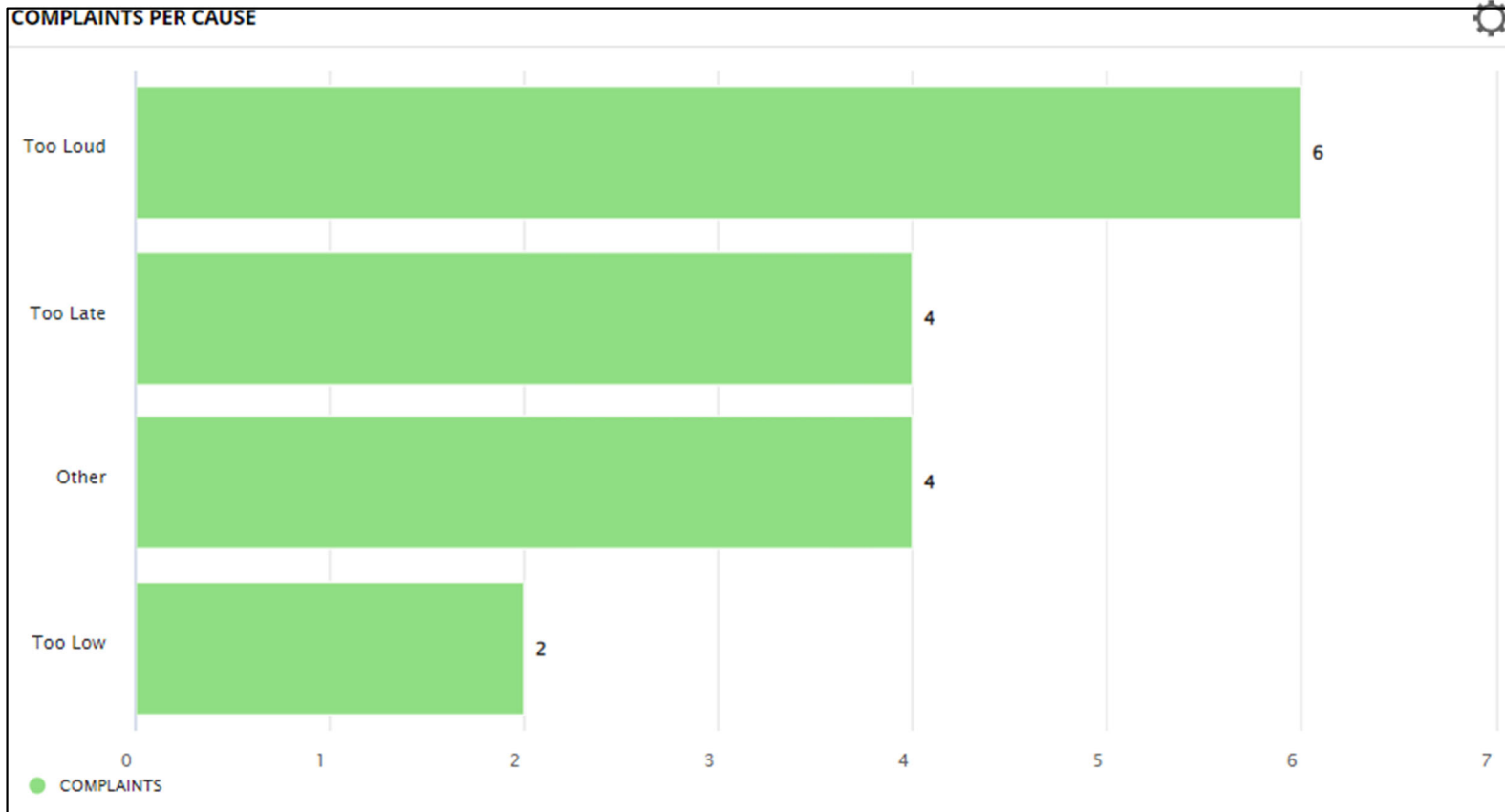
Comment Summary

July 2024 (SDF/LOU)

AIRPORT	STREET	CITY	DATE	TIME	CAUSE
KSDF	W. Ormsby	Louisville	2024-07-03	22:55:00	Other
KLOU	Kings Hwy	Louisville	2024-07-07	23:23:00	Too Late
KLOU	Drayton Drive	Louisville	2024-07-10	14:26:33	Too Loud
KSDF	W. Ormsby	Louisville	2024-07-11	10:44:00	Too Late
KLOU	Kings Hwy	Louisville	2024-07-12	22:20:00	Too Late
KSDF	Owl Creek Road	Georgetown	2024-07-15	10:53:00	Too Loud
KSDF	Cape Cod Ct	Louisville	2024-07-16	15:34:00	Too Loud
KLOU	Kings Hwy	Louisville	2024-07-17	22:00:00	Too Late
KSDF	Pindell	Louisville	2024-07-18	15:18:00	Too Loud
KSDF	Southern Pkwy	Louisville	2024-07-18	18:45:00	Too Loud
KLOU	Drayton Drive	Louisville	2024-07-18	20:17:00	Too Low
KSDF	RD	Louisville	2024-07-24	22:01:00	Too Low
KSDF	W Dixie Ave	Elizabethtown	2024-07-25	11:10:00	Other
KSDF	Audubon PKWY	Louisville	2024-07-25	16:02:00	Other
KSDF	Halstead AVE	Louisville	2024-07-29	11:20:00	Other
KSDF	York River RD	Louisville	2024-07-31	18:00:00	Too Loud

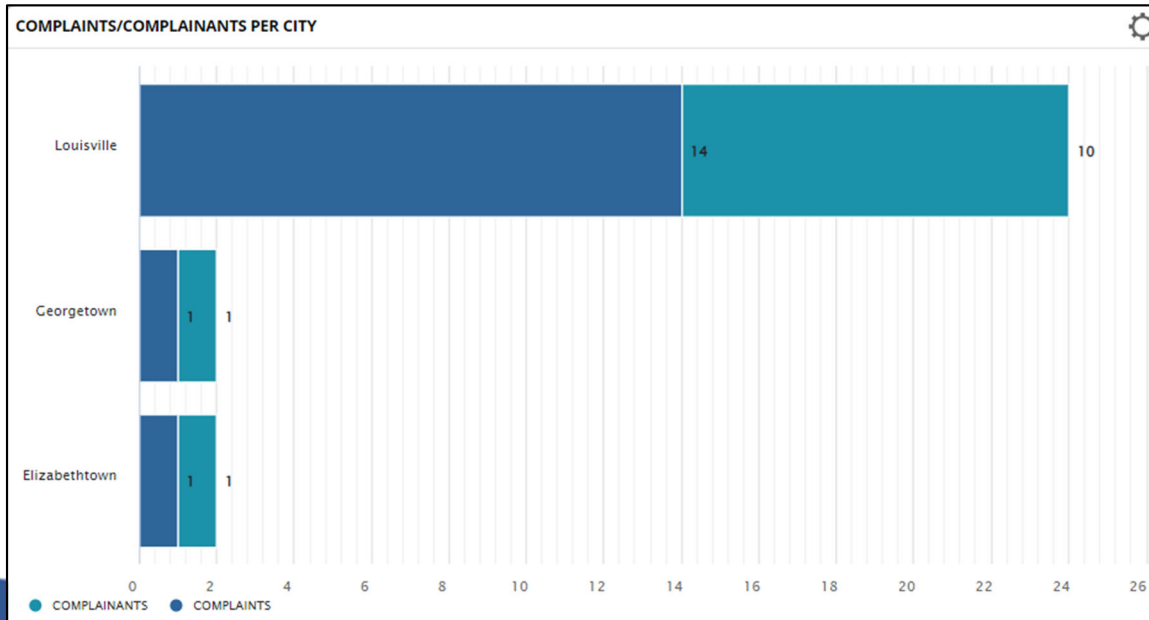
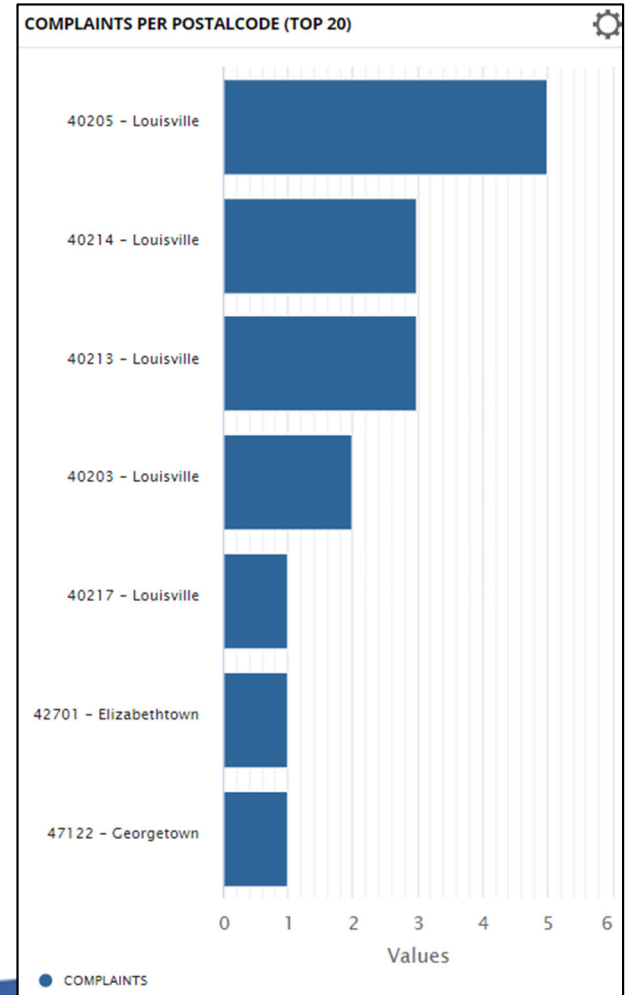
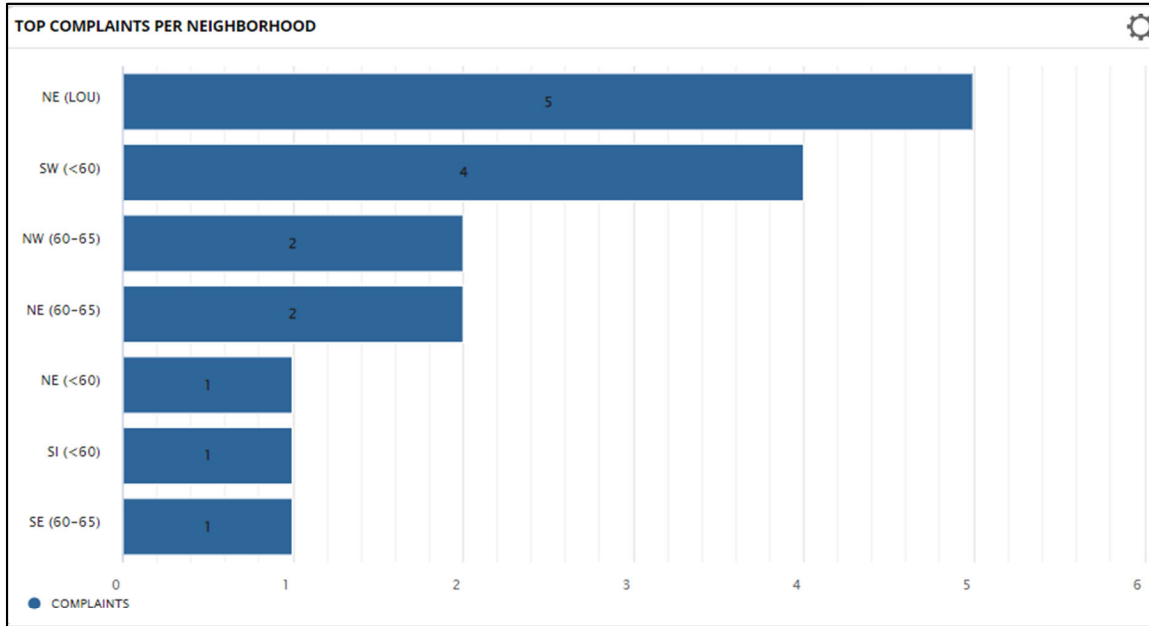
Comment Cause

July 2024 (SDF/LOU)



Comment Location

July 2024 (SDF/LOU)



NOISE COMMENT REPORT

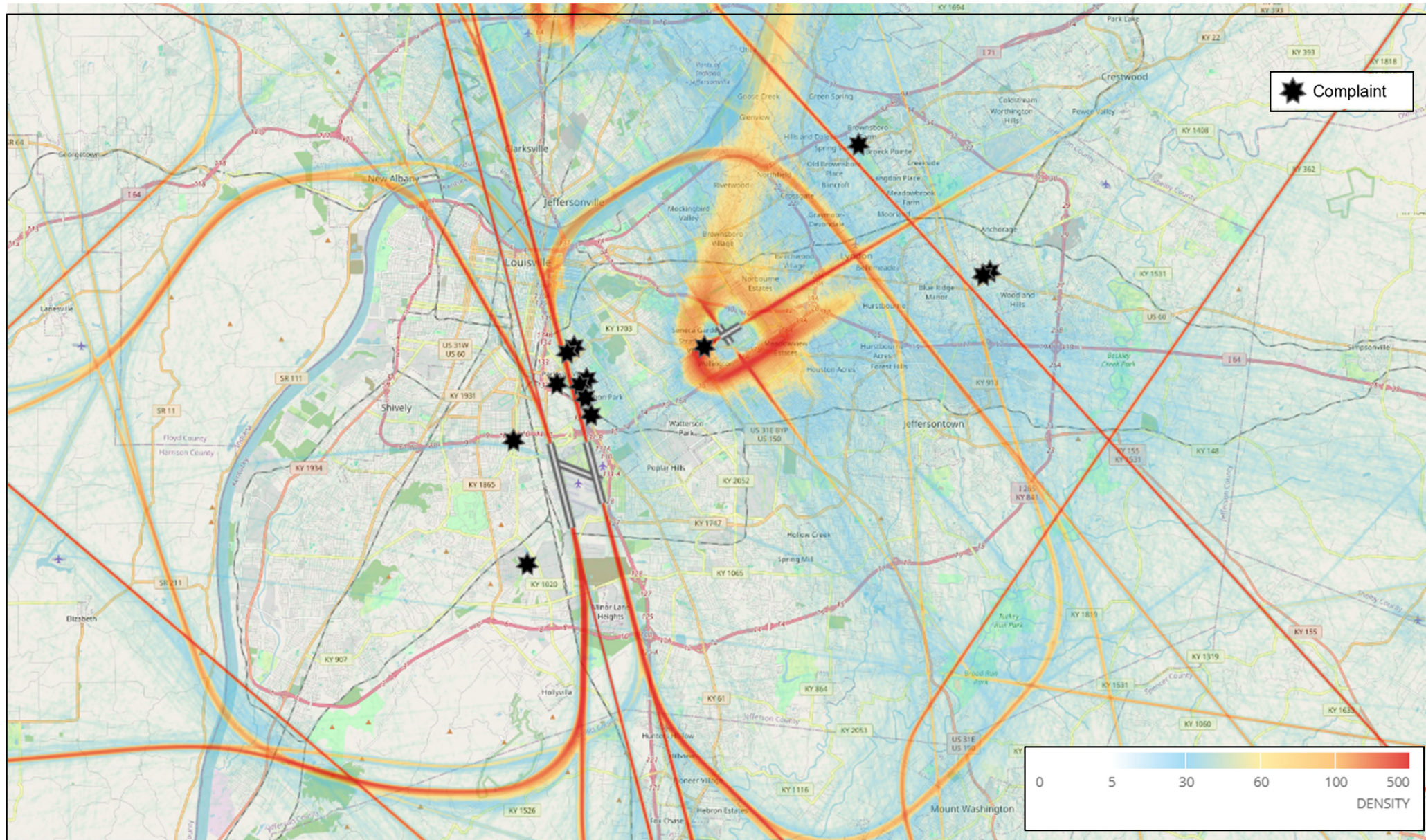
LOUISVILLE

REGIONAL AIRPORT AUTHORITY



August 2024

Flight Track Density / Comment Location August 2024 (SDF/LOU)



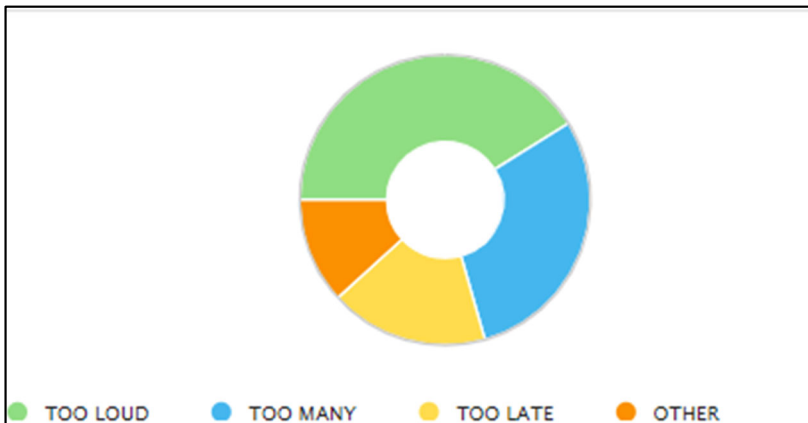
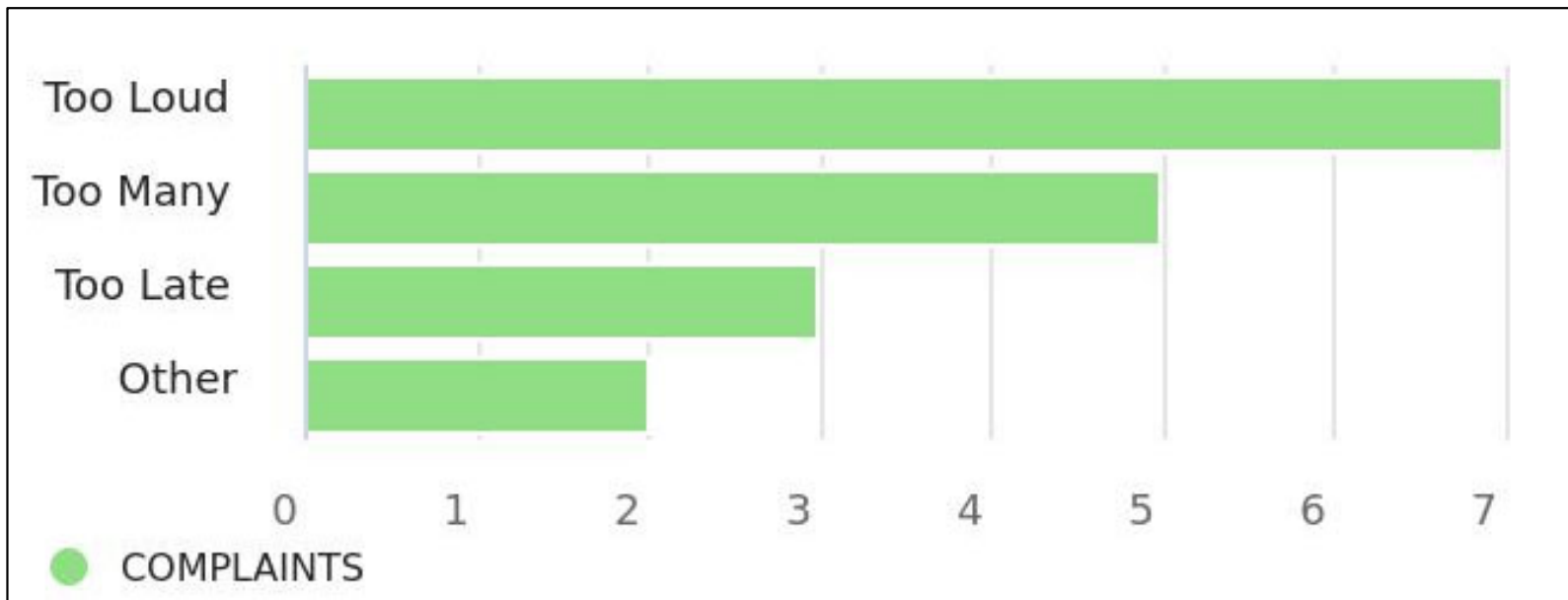
Comment Summary

August 2024 (SDF/LOU)

AIRPORT	STREET	CITY	DATE	TIME	CAUSE
KSDF	York River RD	Louisville	2024-08-02	03:13:00	Other
KSDF	Wolfe AVE	Louisville	2024-08-03	17:05:00	Too Loud
KSDF	Ave	Louisville	2024-08-09	05:00:00	Too Loud
KSDF	Molter Ct	Louisville	2024-08-09	16:47:00	Too Loud
KSDF	Forrest St	Louisville	2024-08-10	16:06:00	Too Loud
KSDF	Audubon PKWY	Louisville	2024-08-11	11:52:00	Too Many
KLOU	Kings Hwy	Louisville	2024-08-11	23:25:00	Too Late
KSDF	Bradley Ave	Louisville	2024-08-12	05:45:00	Other
KLOU	Kings Hwy	Louisville	2024-08-14	00:06:00	Too Late
KSDF	Milton St	Louisville	2024-08-19	14:58:00	Too Many
KSDF	York River Rd	Louisville	2024-08-22	02:00:00	Too Loud
KSDF	Southern Pkwy	Louisville	2024-08-22	04:00:00	Too Loud
KSDF	Barbourmeade Rd	Louisville	2024-08-24	16:16:00	Too Many
KSDF	Wetherby Ave	Louisville	2024-08-25	08:46:00	Too Many
KSDF	Southern Pkwy	Louisville	2024-08-28	22:00:00	Too Loud
KSDF	Wetherby Ave	Louisville	2024-08-30	08:00:00	Too Many
KLOU	Kings Hwy	Louisville	2024-08-31	22:44:00	Too Late

Comment Cause

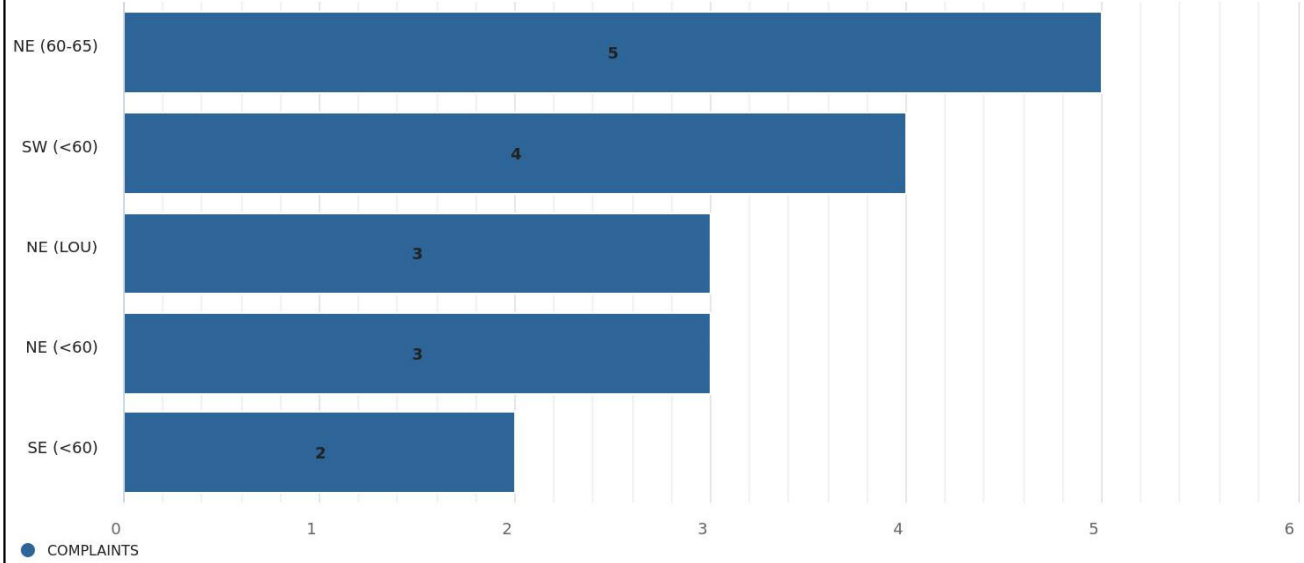
August 2024 (SDF/LOU)



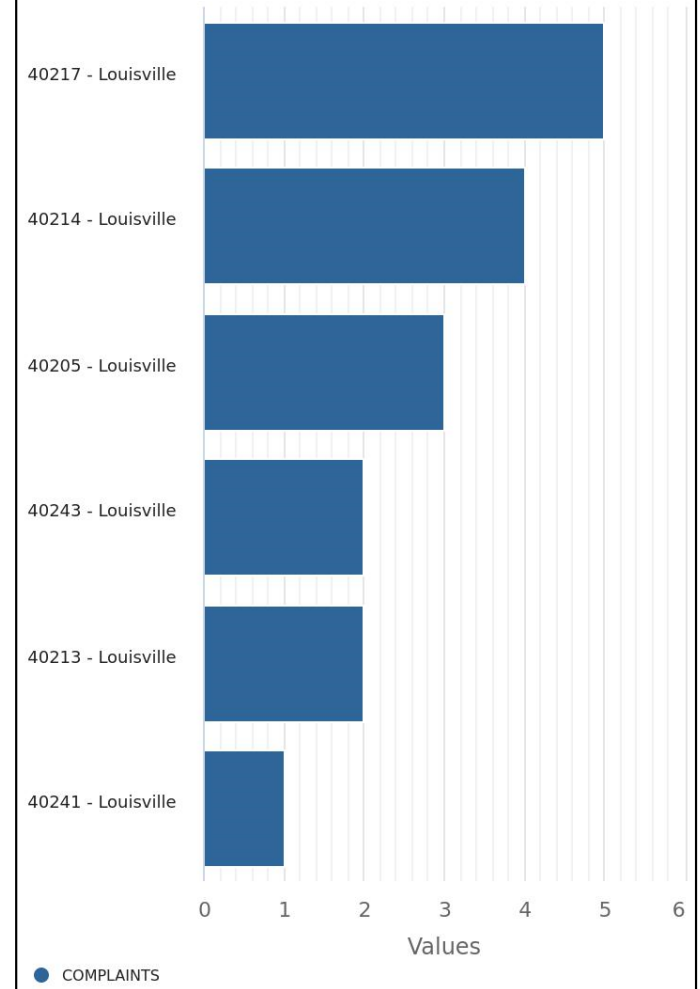
Comment Location

August 2024 (SDF/LOU)

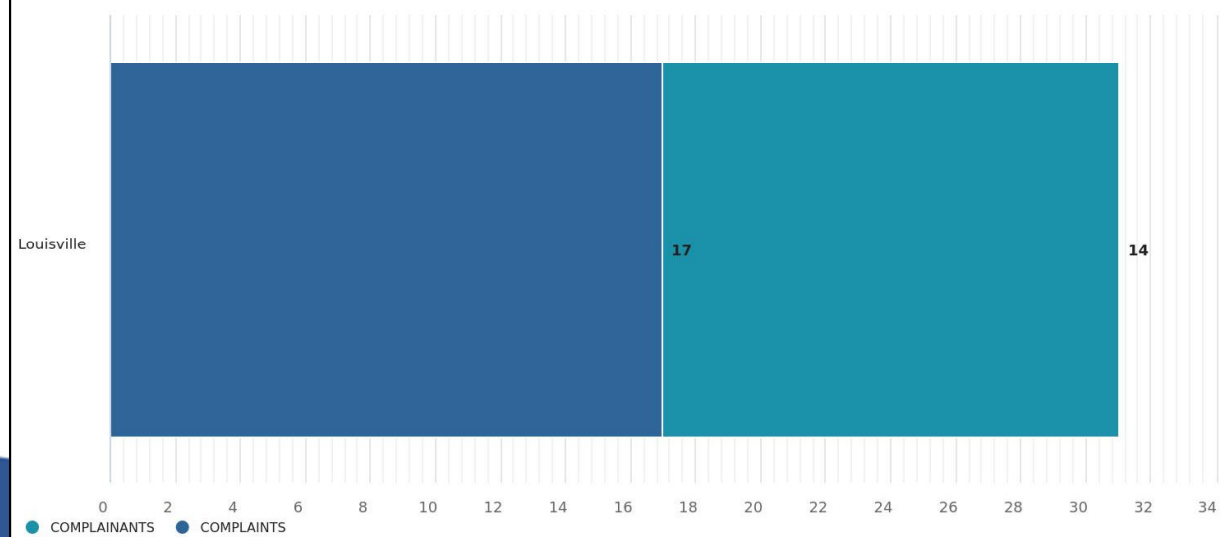
TOP COMPLAINTS PER NEIGHBORHOOD



COMPLAINTS PER POSTALCODE (TOP 20)



COMPLAINTS/COMPLAINANTS PER CITY



Runway Use and Aircraft Types

LOUISVILLE

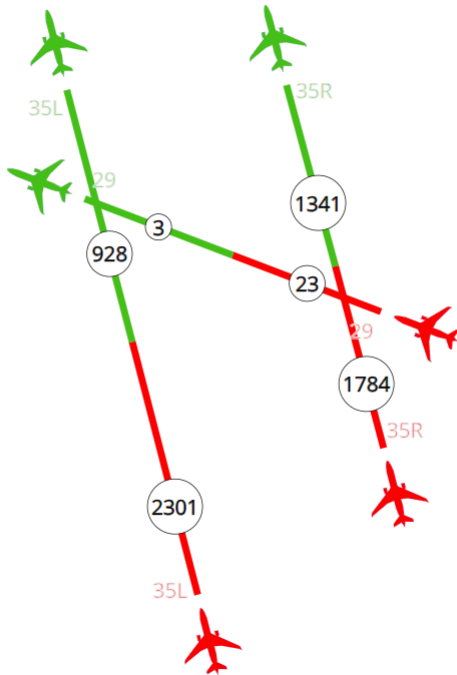
REGIONAL AIRPORT AUTHORITY



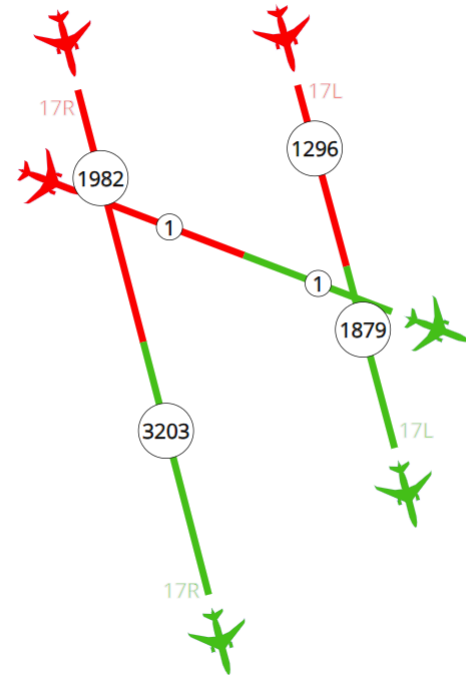
July 2024

Arrivals/Departures July 2024 (SDF)

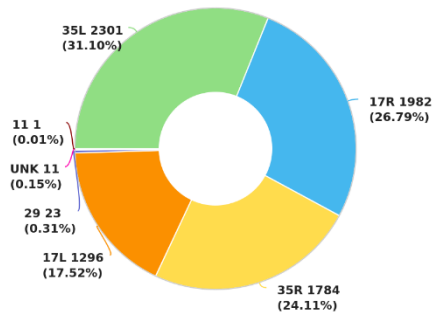
NORTH FLOW RUNWAY UTILIZATION



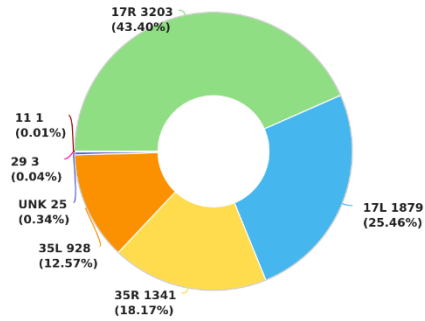
SOUTH FLOW RUNWAY UTILIZATION



ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY



35L

17R

35R

17L

29

UNK

11

17R

17L

35R

35L

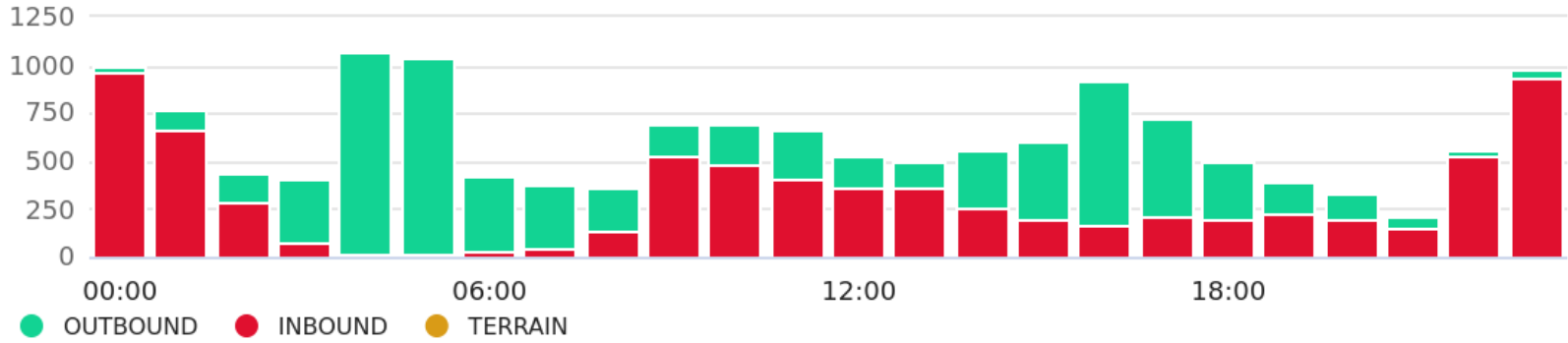
UNK

29

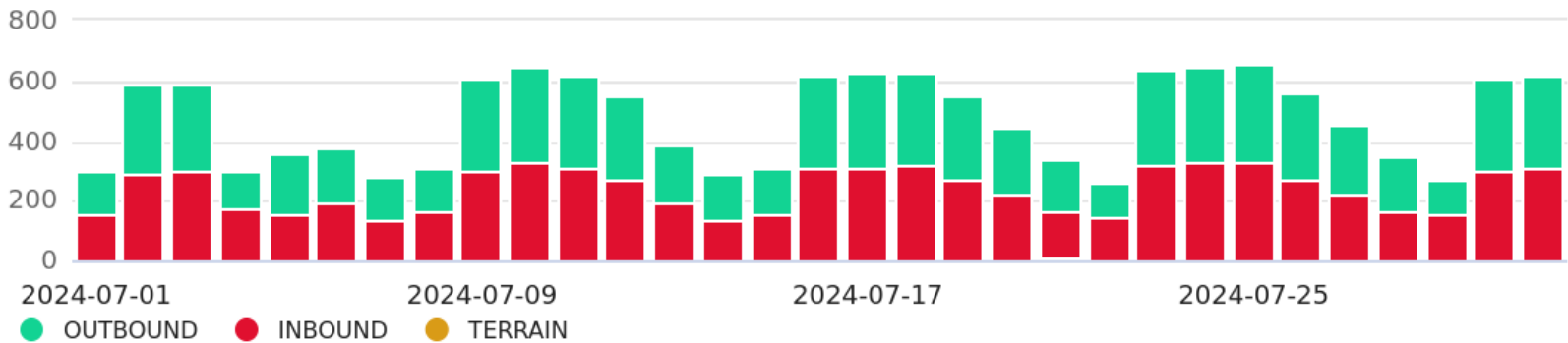
11

Arrivals/Departures July 2024 (SDF)

FLIGHTS PER HOUR



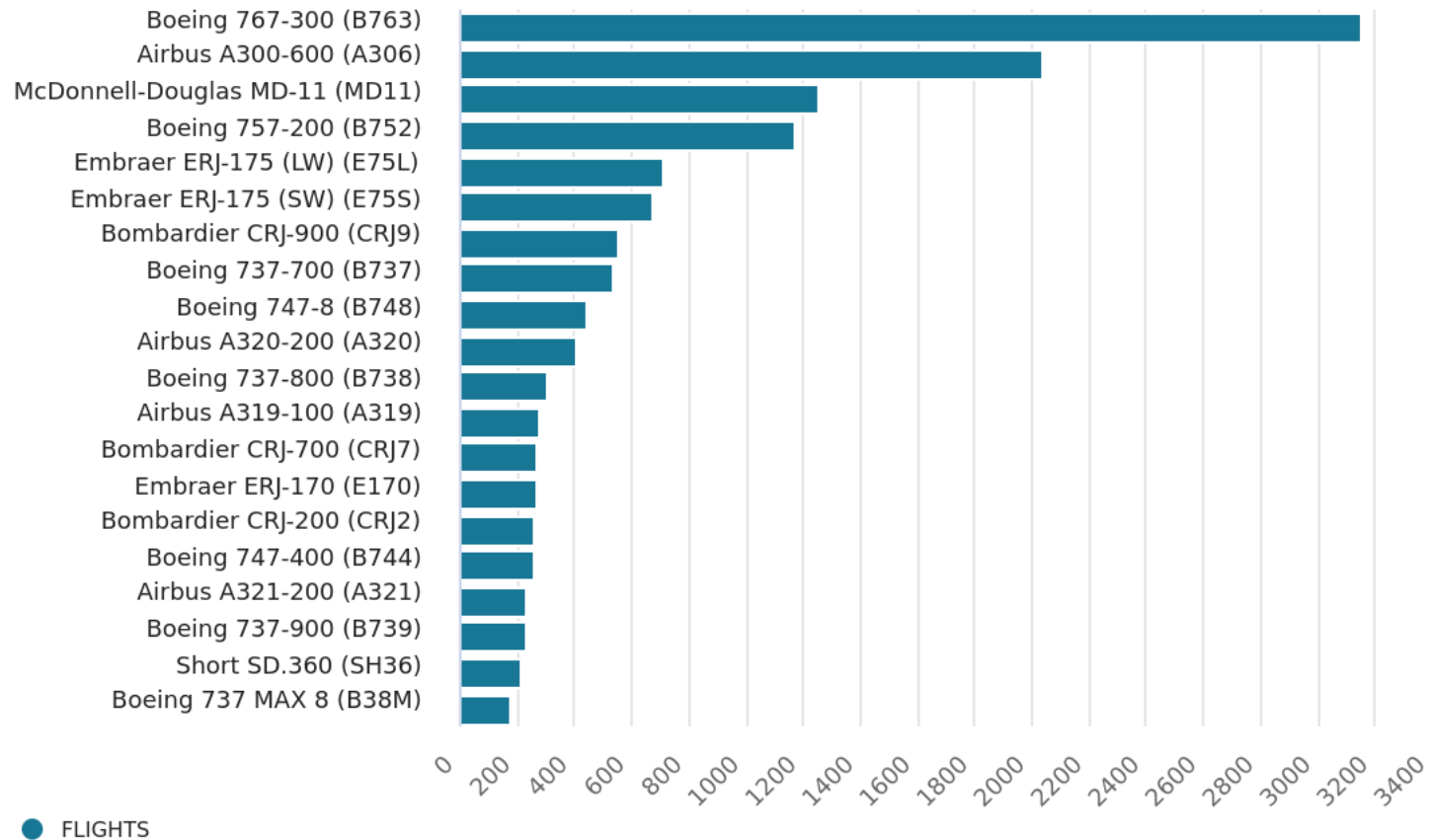
FLIGHTS PER DAY



Aircraft Types

July 2024 (SDF)

FLIGHTS PER AIRCRAFT TYPE



Runway Use and Aircraft Types

LOUISVILLE

REGIONAL AIRPORT AUTHORITY



August 2024

Daily Runway August 2024 (SDF)

Flow	Time UTC	Time Local	Thu 8-1	Fri 8-2	Sat 8-3	Sun 8-4	Mon 8-5	Tue 8-6	Wed 8-7	Thu 8-8	Fri 8-9	Sat 8-10	Sun 8-11	Mon 8-12	Tue 8-13	Wed 8-14	Thu 8-15	Fri 8-16	Sat 8-17	Sun 8-18	Mon 8-19	Tue 8-20	Wed 8-21	Thu 8-22	Fri 8-23	Sat 8-24	Sun 8-25	Mon 8-26	Tue 8-27	Wed 8-28	Thu 8-29	Fri 8-30	Sat 8-31	Time Local				
North Flow	0400	0:00																																0:00				
	0430	0:30																																0:30				
	0500	1:00																																	1:00			
	0530	1:30																																	1:30			
	0600	2:00																																	2:00			
	0630	2:30																																		2:30		
South Flow	0700	3:00																																	3:00			
	0730	3:30																																		3:30		
	0800	4:00																																		4:00		
	0830	4:30																																		4:30		
	0900	5:00																																		5:00		
	0930	5:30																																		5:30		
	1000	6:00																																		6:00		
	1030	6:30																																		6:30		
	1100	7:00																																			7:00	
	1130	7:30																																			7:30	
1200	8:00		X																																8:00			
1230	8:30																																			8:30		
North Flow	1300	9:00																																		9:00		
	1330	9:30																																			9:30	
	1400	10:00																																			10:00	
	1430	10:30																																			10:30	
	1500	11:00																																			11:00	
	1530	11:30																																			11:30	
	1600	12:00																																			12:00	
	1630	12:30																																			12:30	
1700	13:00																																			13:00		
1730	13:30																																			13:30		
South Flow	1800	14:00																																			14:00	
	1830	14:30																																			14:30	
	1900	15:00																																			15:00	
	1930	15:30																																			15:30	
	2000	16:00																																			16:00	
	2030	16:30																																			16:30	
	2100	17:00																																			17:00	
	2130	17:30																																				17:30
	2200	18:00																																				18:00
	2230	18:30																																				18:30
	2300	19:00																																				19:00
	2330	19:30																																				19:30
2400	20:00																																				20:00	
0030	20:30																																			20:30		
0100	21:00																																			21:00		
0130	21:30																																			21:30		
North Flow	0200	22:00																																		22:00		
	0230	22:30																																		22:30		
	0300	23:00																																			23:00	
	0330	23:30																																			23:30	
0400	0:00																																			0:00		

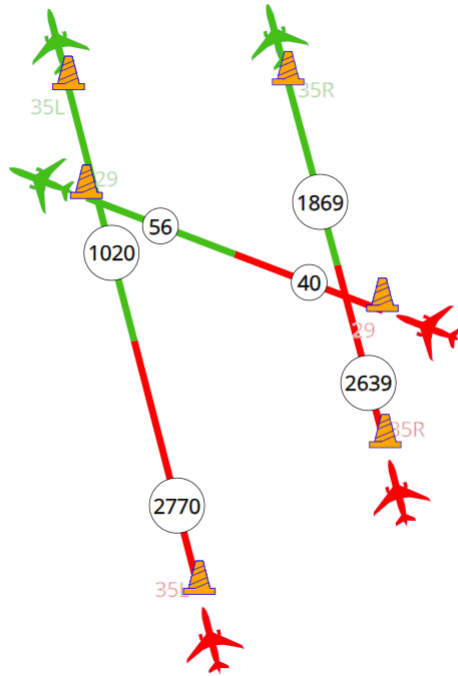
- Preferred Flow
- DATIS Reported Conditions Indicate Support for Non-Preferred Flow
- DATIS Reported Conditions Do Not Indicate Support for Non-Preferred Flow
- South Flow is Preferred Flow from 09:00 Saturday - 09:00 Monday
- X** Complaint

Daily Runway August 2024 (SDF)

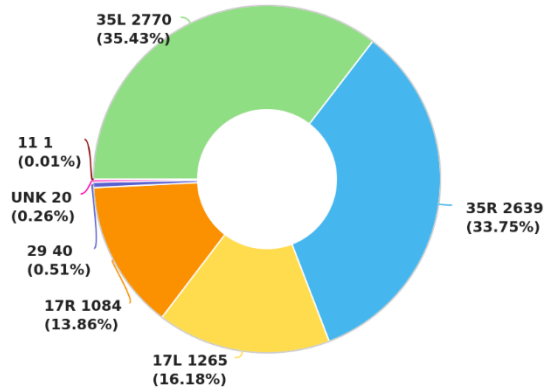
Day	Date	Time	Comment
01-Aug-24	Thu	0900-1330	Wind 21010
02-Aug-24	Fri	0900-1330	Remained south for wet rwys
02-Aug-24	Fri	1530-2130	forecasted wind and wx in vicinity
03-Aug-24	Sat	0900-1530	forecasted wind and wet rwys
03-Aug-24	Sat	2100-0000	wind 35009
04-Aug-24	Sun	0000-0800	wind 35009
05-Aug-24	Mon	1400-2130	reason not logged
06-Aug-24	Tue		
07-Aug-24	Wed		
08-Aug-24	Thu		
09-Aug-24	Fri	0630-0830	wind 36010
09-Aug-24	Fri	1400-1530	wind 34009
10-Aug-24	Sat	1530-0000	wind 34010
11-Aug-24	Sun	0000-0930	forecasted winds
11-Aug-24	Sun	1730-0000	winds 02009
12-Aug-24	Mon	0000-0830	winds 02009
13-Aug-24	Tue	1400-1430	late switch due to workload
13-Aug-24	Tue	2100-2200	early switch for workload
14-Aug-24	Wed	1400-2130	remained direction for military range activity
15-Aug-24	Thu	0900-1230	forecasted winds
15-Aug-24	Thu	2200-0000	wind 17008
16-Aug-24	Fri	0000-0230	wind 18008
17-Aug-24	Sat	2030-2130	wind 26019G26
18-Aug-24	Sun	0000-1330	wind 34010
19-Aug-24	Mon		
20-Aug-24	Tue		
21-Aug-24	Wed		
22-Aug-24	Thu	1400-1430	late due to variable winds
22-Aug-24	Thu	2100-2130	reason not logged
23-Aug-24	Fri	0900-1330	forecasted winds
24-Aug-24	Sat		
25-Aug-24	Sun		
26-Aug-24	Mon	2100-2130	early switch due to volume
27-Aug-24	Tue	0900-1130	forecasted winds
28-Aug-24	Wed	0630-1230	wind 36016
29-Aug-24	Thu	2100-2130	early switch due to volume
30-Aug-24	Fri	0900-1130	wind 18008
31-Aug-24	Sat		

Arrivals/Departures August 2024 (SDF)

NORTH FLOW RUNWAY UTILIZATION

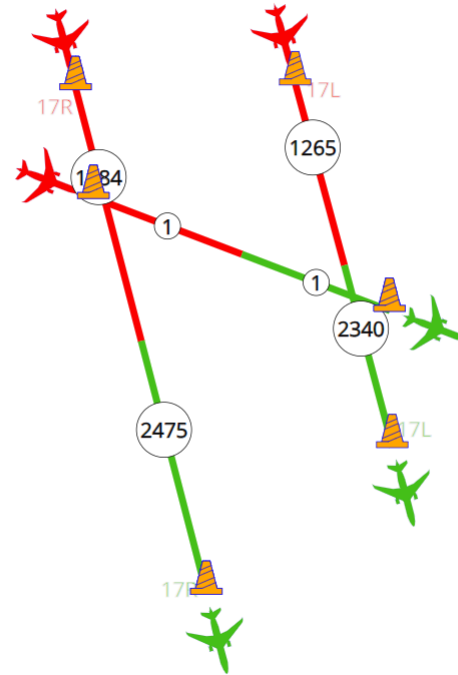


ARRIVALS PER RUNWAY

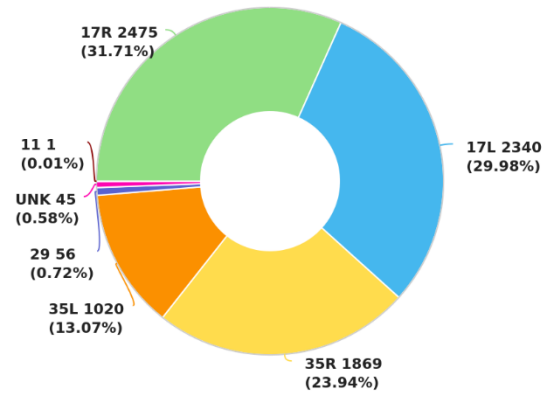


35L 35R 17L 17R 29 UNK 11

SOUTH FLOW RUNWAY UTILIZATION



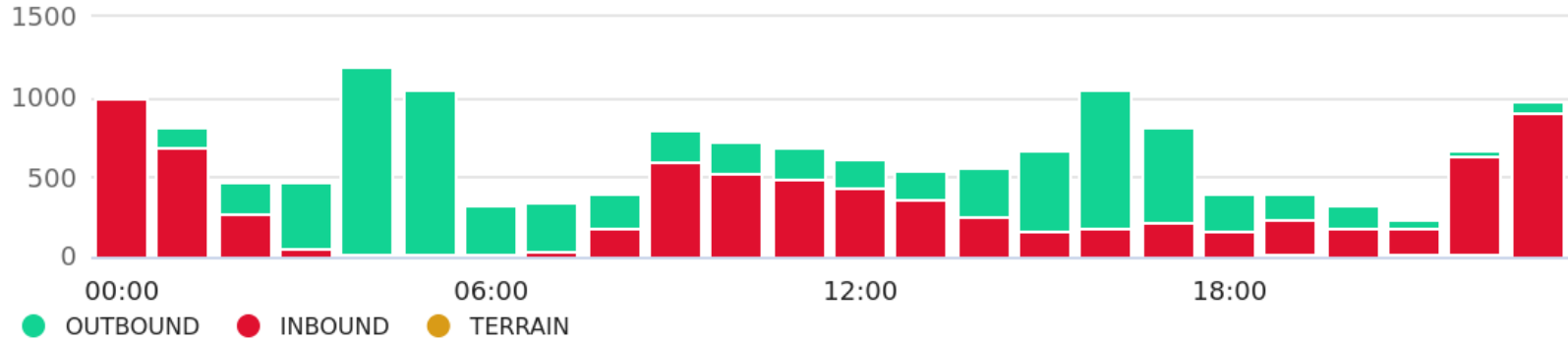
DEPARTURES PER RUNWAY



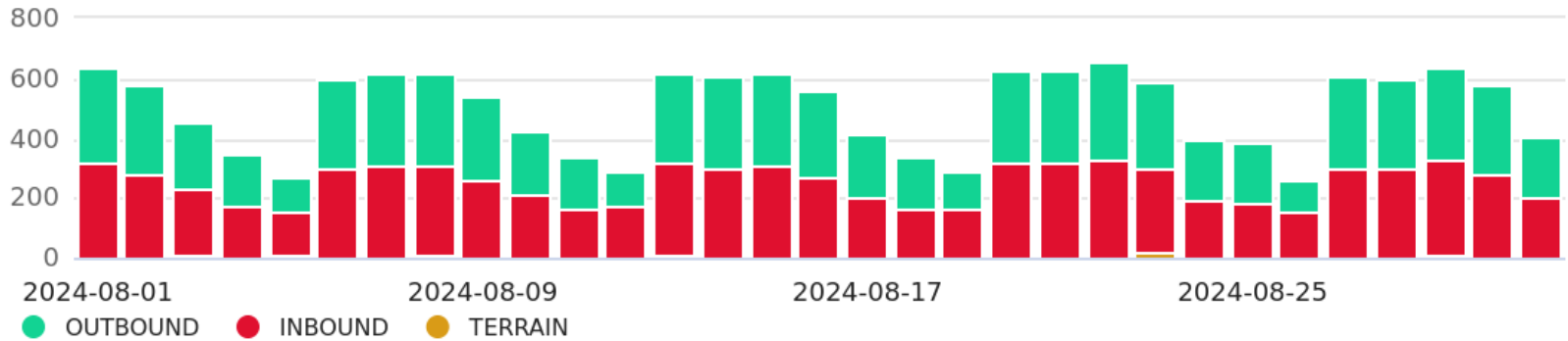
17R 17L 35R 35L 29 UNK 11

Arrivals/Departures August 2024 (SDF)

FLIGHTS PER HOUR



FLIGHTS PER DAY



Aircraft Types

August 2024 (SDF)

FLIGHTS PER AIRCRAFT TYPE

