



NOISE OVERSIGHT COMMITTEE

September 20, 2023

Recordings are made of this meeting

Agenda

1. Consent

1.1 – Approval of July 19, 2023 Meeting Minutes

1.2 – Reports

1.2.1 – Monthly Operations Reports: July and August 2023

2. Public Comment Period

3. Business

3.1 – Area Navigation (RNAV) Procedure Review Sub-Committee

4. Information

4.1 – FAA Update on Converging Runway Operations

4.2 – FAA Update on MSP VOR-MON and Procedure Development

4.3 – Review of Summer Listening Session

4.4 – Draft 2024 Work Plan

5. Announcements

6. Adjourn



**NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023**

ITEM 1.1

APPROVAL OF JULY 19, 2023 MINUTES



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

ITEM 1.2.1

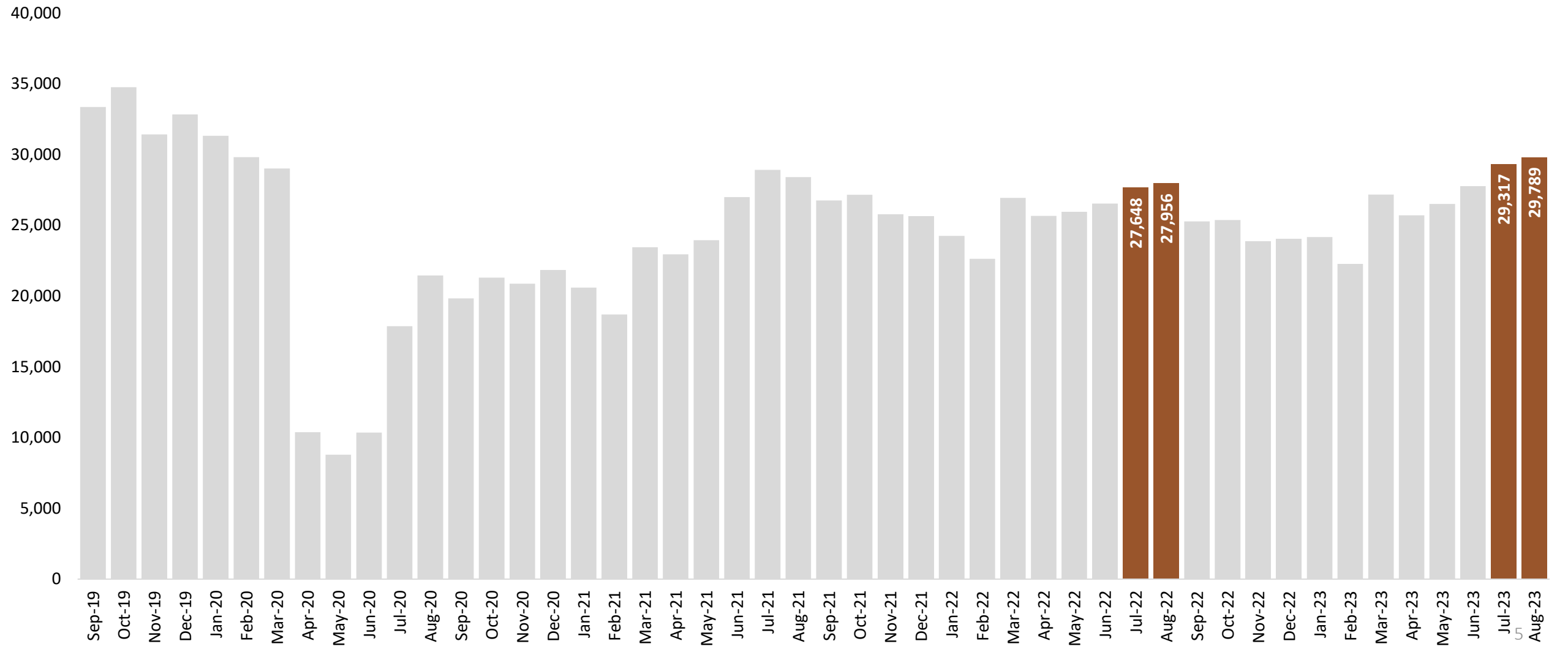
MONTHLY OPERATIONS REPORTS: JULY & AUGUST 2023



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

MSP OPERATIONS

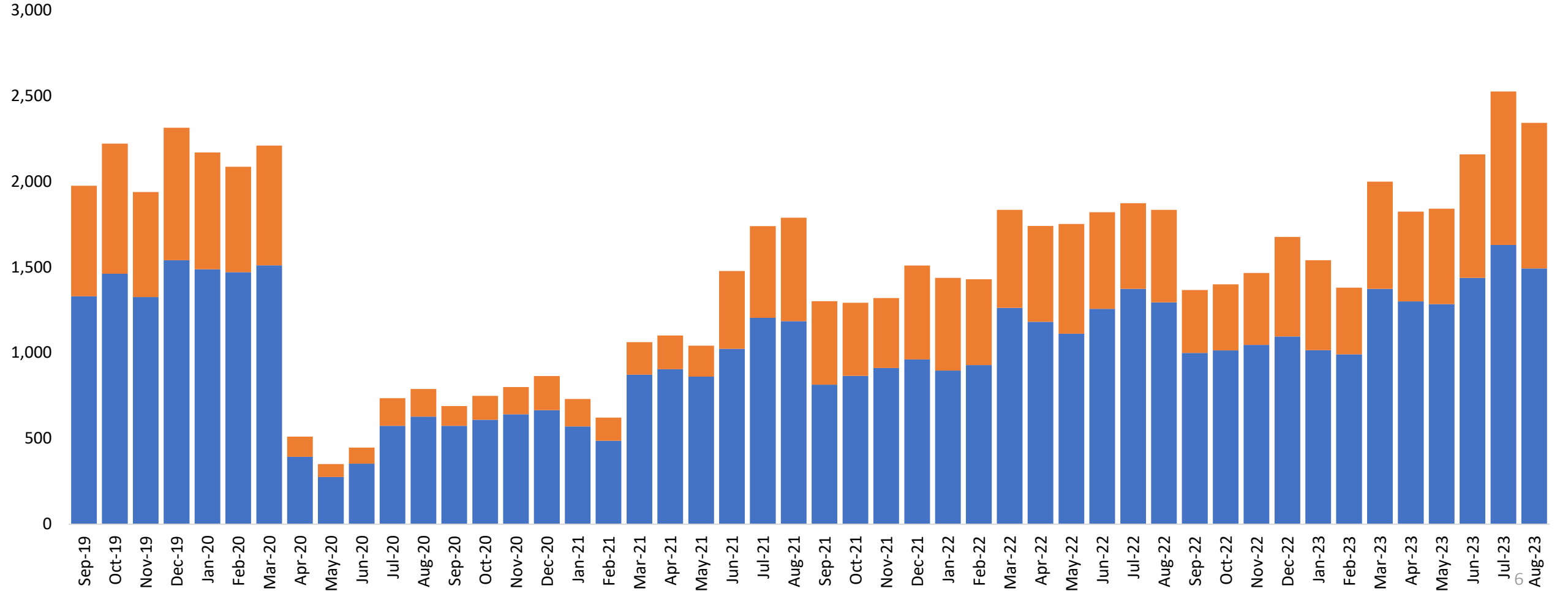
July 2023		August 2023	
29,317 Operations	2,525 Nighttime Operations (10:30 PM – 6:00 AM)	29,789 Operations	2,342 Nighttime Operations (10:30 PM – 6:00 AM)



MSP OPERATIONS

July 2023		August 2023	
29,317	2,525	29,789	2,342
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)

■ A ■ D



RUNWAY USE

JULY 2023

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
41%	28%	22%

AUG 2023

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
32%	51%	10%

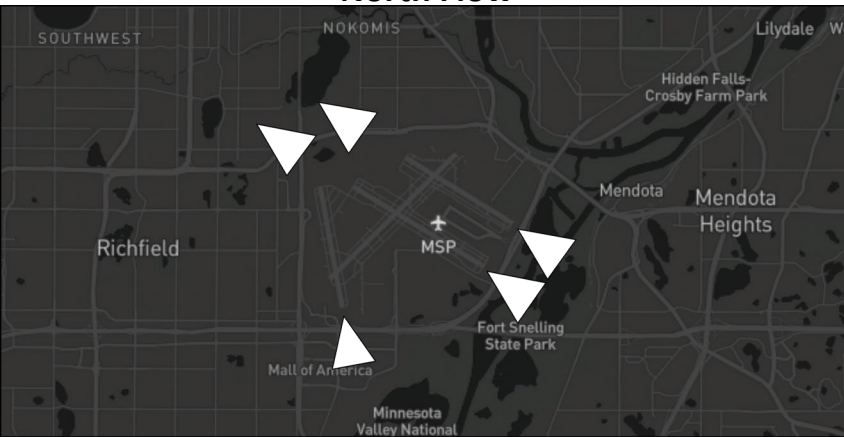
2022 JAN – AUG

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
42%	42%	9%

2023 JAN – AUG

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
32%	49%	12%

North Flow



South Flow



Mixed Flow



JULY – AUG RUNWAY USE

59,106
OPERATIONS IN JULY – AUG

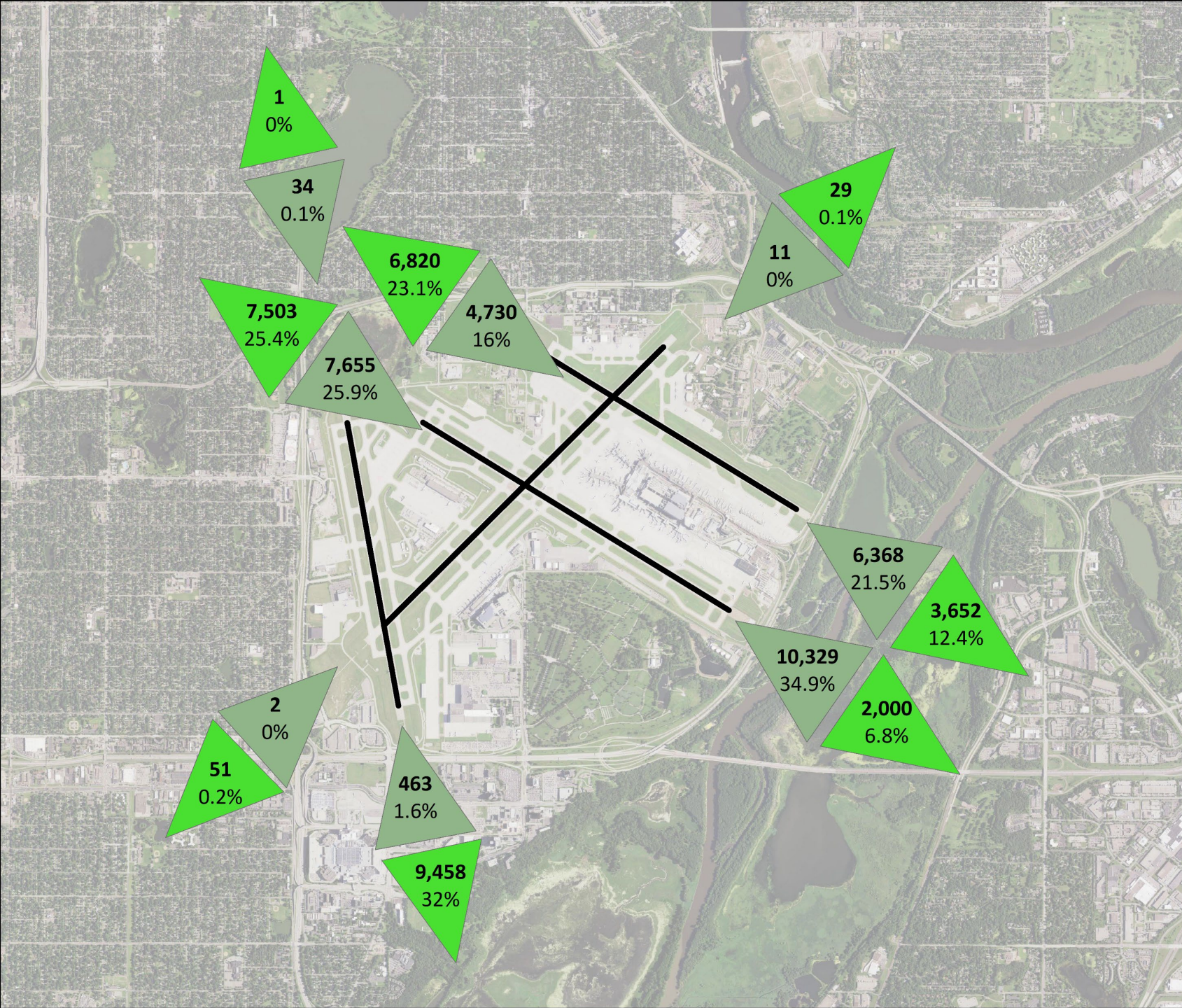
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
38%	17%	0%	45%

29,592
ARRIVALS

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
56%	2%	0%	42%

29,514
DEPARTURES

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
19%	32%	0%	49%

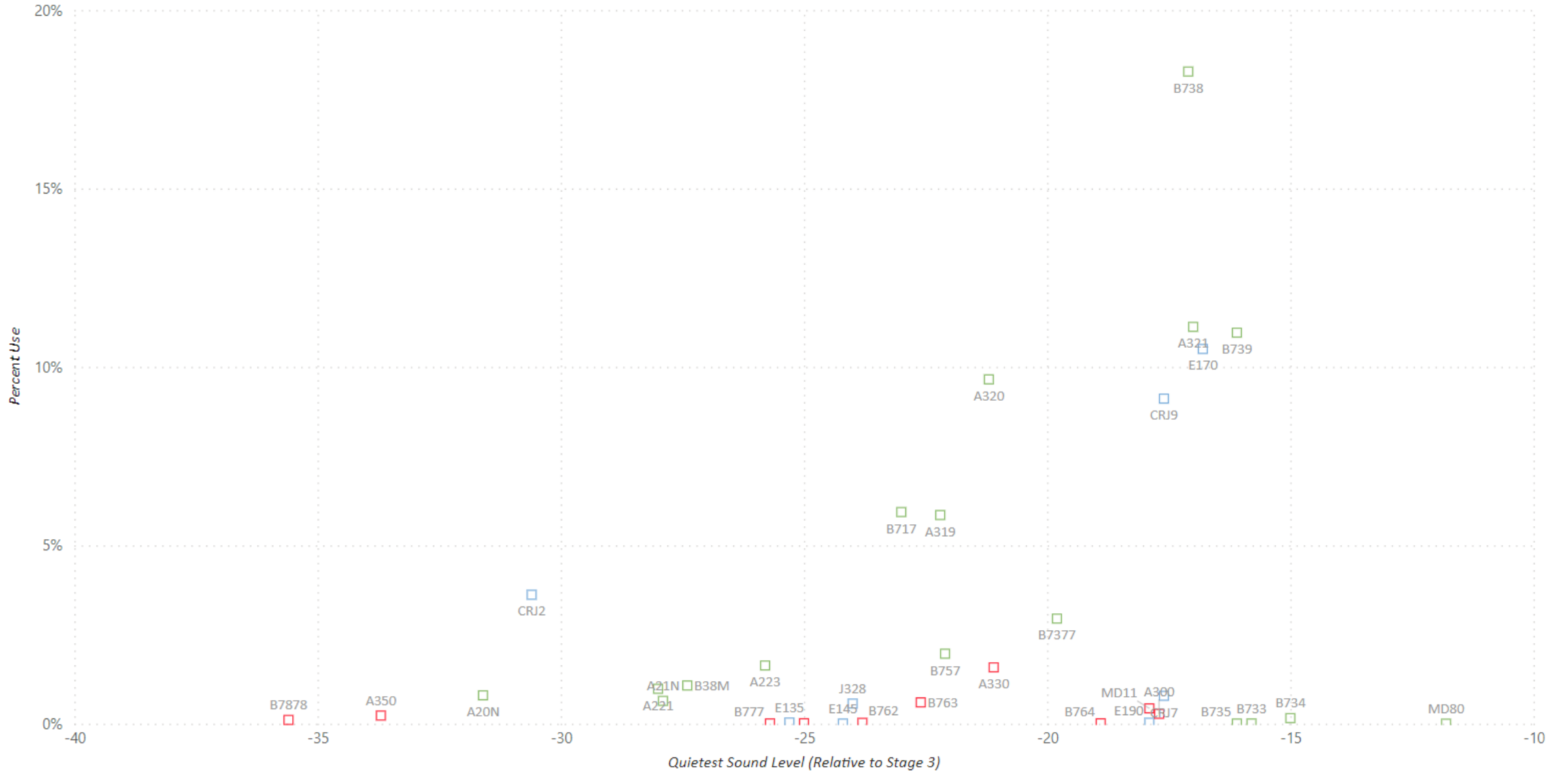


MSP OPERATIONS

Quietest Sound Level (Relative to Stage 3) and Percent Use by Aircraft

July - August 2023

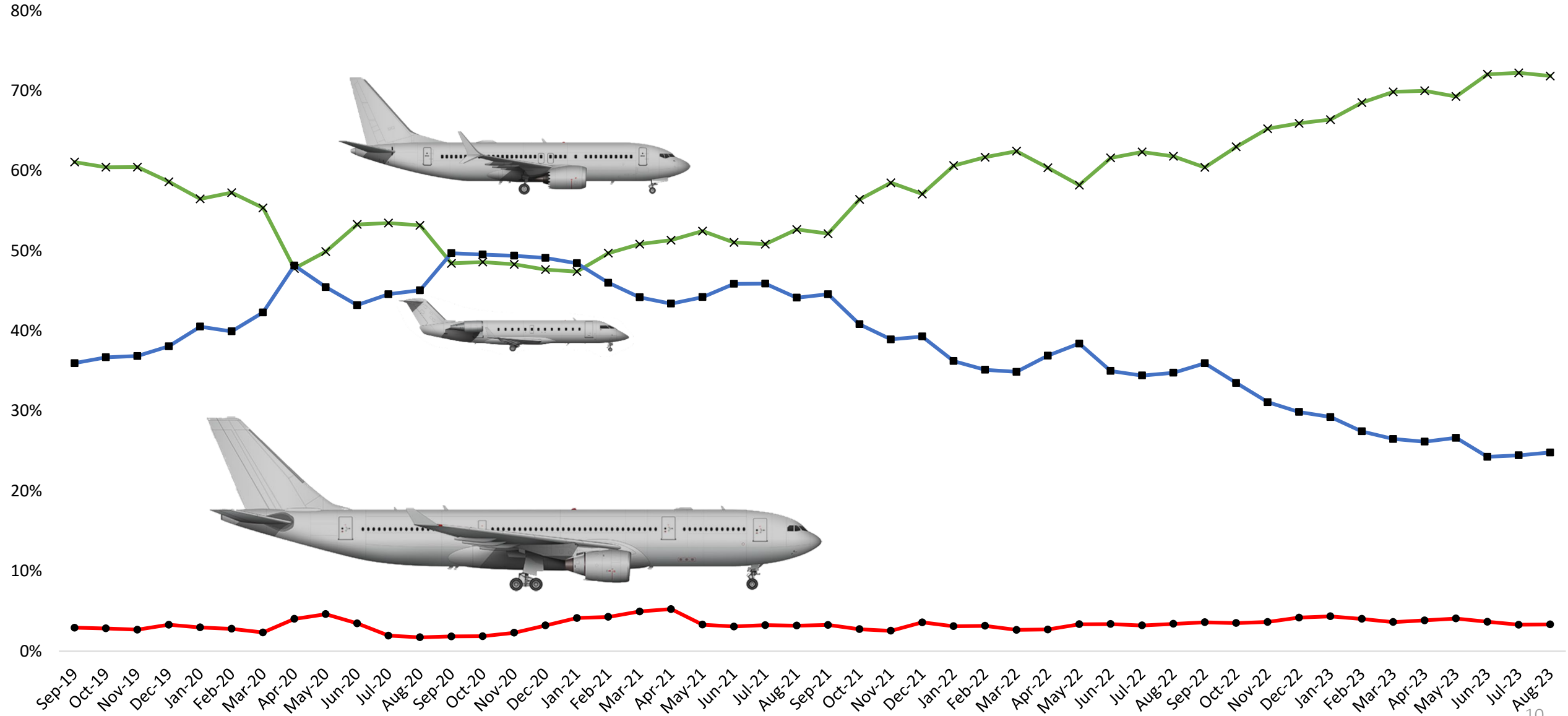
■ NARROWBODY ■ RJ ■ WIDEBODY



MSP OPERATIONS

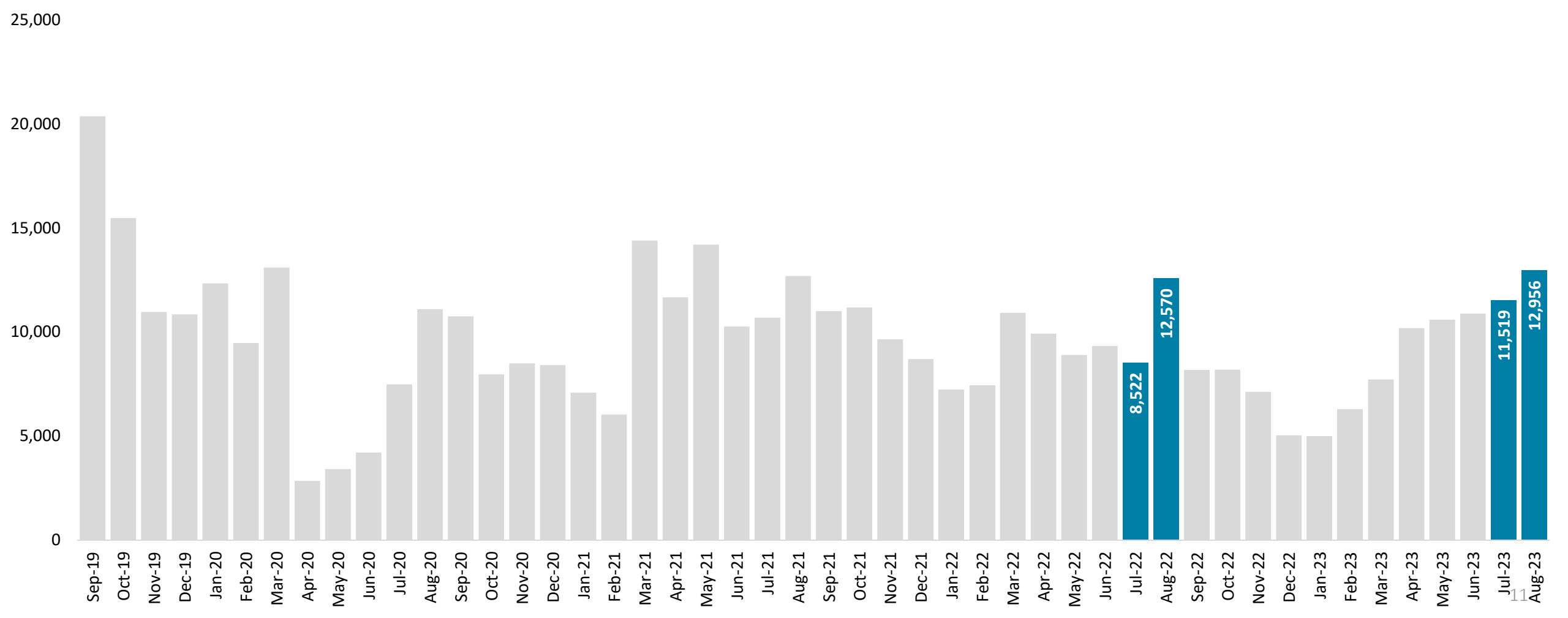
CARRIER JET FLEET MIX

—x— NARROWBODY —■— RJ —●— WIDEBODY



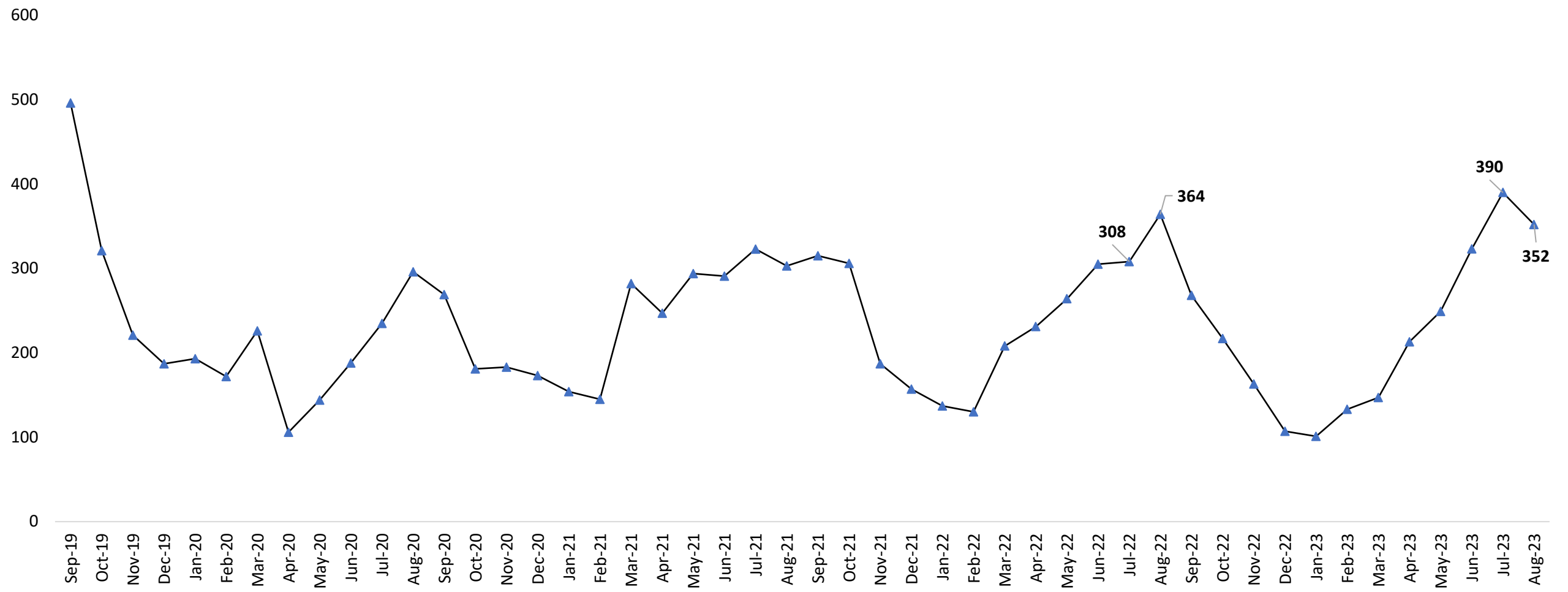
MSP COMPLAINTS

July 2023				August 2023			
COMPLAINTS		LOCATIONS		COMPLAINTS		LOCATIONS	
11,519		390		12,956		352	
Ops per Complaint	New Locations	Average	Median	Ops per Complaint	New Locations	Average	Median
2.5	74	30	4	2.3	60	37	4



MSP COMPLAINTS


July 2023				August 2023			
COMPLAINTS		LOCATIONS		COMPLAINTS		LOCATIONS	
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Ops per Complaint	New Locations	Average	Median	Ops per Complaint	New Locations	Average	Median
2.5	74	30	4	2.3	60	37	4



TOP 10 LOCATIONS


325


440


1,379



1,225


945

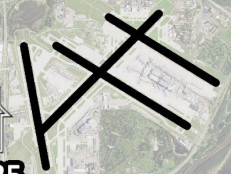

2,322


600


305


257


527



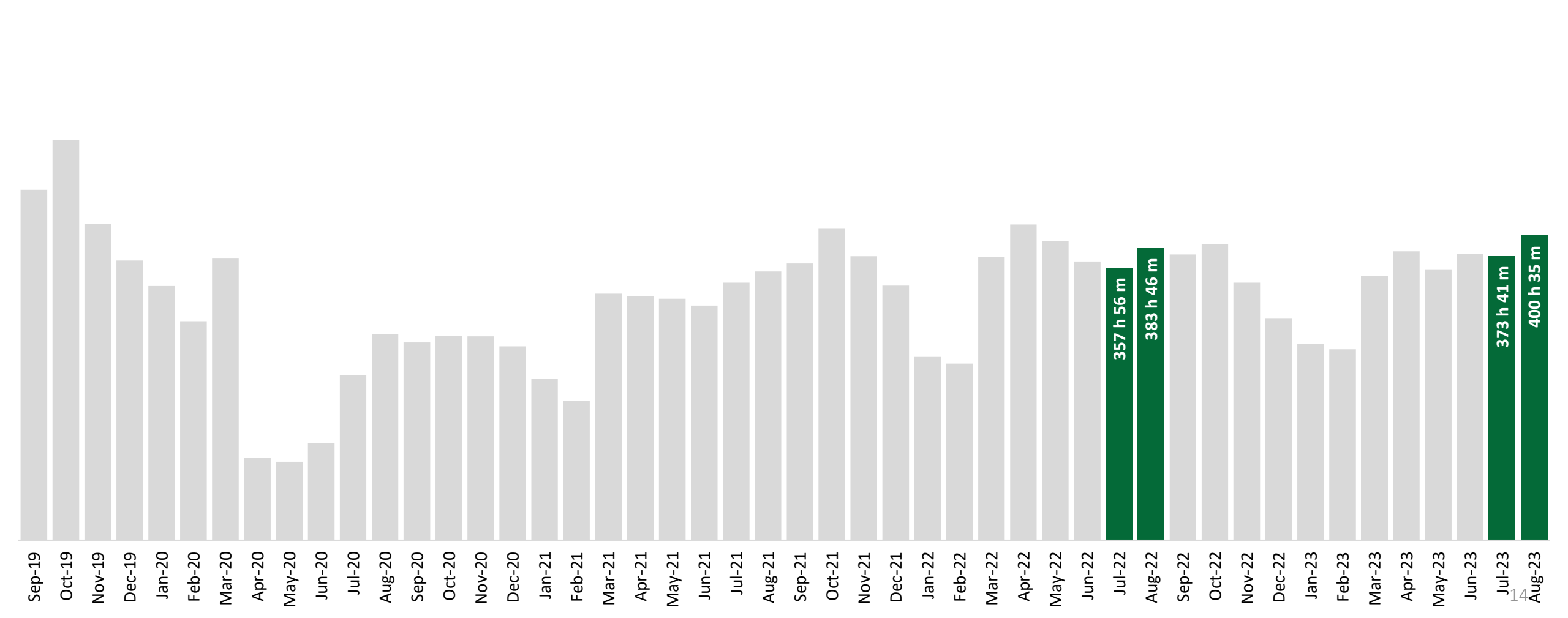
FILED
11,700
(48%)
COMPLAINTS DURING JULY & AUG

6 OF 10
LOCATIONS WERE IN THE TOP 10
FOR MAY – JUNE DATA

362
(68%)
LOCATIONS FILED 10 OR FEWER
COMPLAINTS

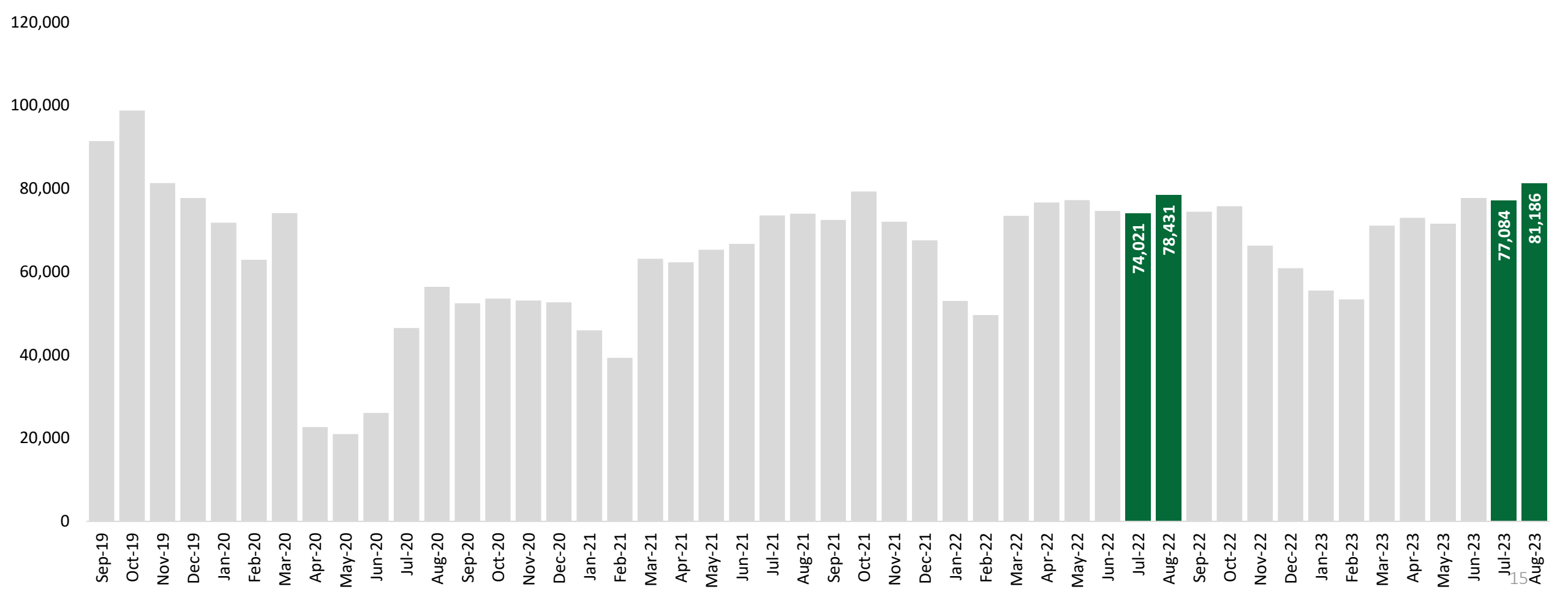
SOUND MONITORING

July 2023			August 2023		
Time Above	46 TA ⁶⁵ Per Operation	373 h 41 m TA ⁶⁵	Time Above	48 TA ⁶⁵ Per Operation	400 h 35 m TA ⁶⁵
Count Above	2.63 N ⁶⁵ Per Operation	77,084 N ⁶⁵	Count Above	2.73 N ⁶⁵ Per Operation	81,186 N ⁶⁵



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Time Above	46 TA ⁶⁵ Per Operation	373 h 41 m TA ⁶⁵	Time Above	48 TA ⁶⁵ Per Operation	400 h 35 m TA ⁶⁵
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NOISE ABATEMENT

July 2023

Runway 17 **99.0%**

EMH Corridor **94.3%**

Cross Day **36.0%**

Cross Night **44.2%**

August 2023

Runway 17 **99.4%**

EMH Corridor **92.2%**

Cross Day **31.8%**

Cross Night **30.2%**

RUS

56.4%

Arrive - 68%

Depart - 45%

RUS

52.9%

Arrive - 48%

Depart - 58%

ITEM 2

PUBLIC COMMENT PERIOD



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

ITEM 2

PUBLIC COMMENT PERIOD

Speaking at a Meeting

- Each speaker will have one opportunity to speak and is allotted three (3) minutes.
- When called upon to speak, speak clearly, state your name and address. If you are affiliated with any organization, please state your affiliation.
- Commenters shall address their comments to the NOC and not to the audience.
- No response from the NOC is provided during the comment period.
- Comments are noted, and MAC staff are available following the meeting to answer questions or contact information can be provided for follow up discussion.
- Use of profanity, personal attacks, or threats of violence will not be tolerated.



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

3.1 – ESTABLISHMENT OF RNAV PROCEDURE REVIEW SUB-COMMITTEE



**NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023**

Establishment of RNAV Procedure Review Sub-Committee

Per Article IX of NOC Bylaws:

- Sub-Committees can be established as needed.
- Sub-Committees shall be provided a defined task to accomplish:
 - Review proposed RNAV procedures for MSP.
 - Review impacts of proposed RNAV procedures for MSP.
 - Review FAA's engagement plan.
- Sub-Committees are provided a timeframe within which to complete the task.
 - The Sub-Committee will remain effective until the MSP VOR is decommissioned, and new departure procedures have been charted or until December 31, 2025, whichever is later.
- The composition of Sub-Committees will always be an equal balance of airport user and community representatives.
 - User Members
 - User Co-Chair
 - Chief Pilot representative
 - Scheduled airline representative
 - Community Members
 - Community Co-Chair
 - City of Minneapolis representative
 - City of Eagan representative

Action Requested

APPROVE THE FORMATION OF AN AREA NAVIGATION (RNAV) PROCEDURE REVIEW SUB-COMMITTEE IN A MANNER CONSISTENT WITH THE PROVISIONS OF THE NOC BYLAWS.



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

4.1 – FAA UPDATE ON CONVERGING RUNWAY OPERATIONS



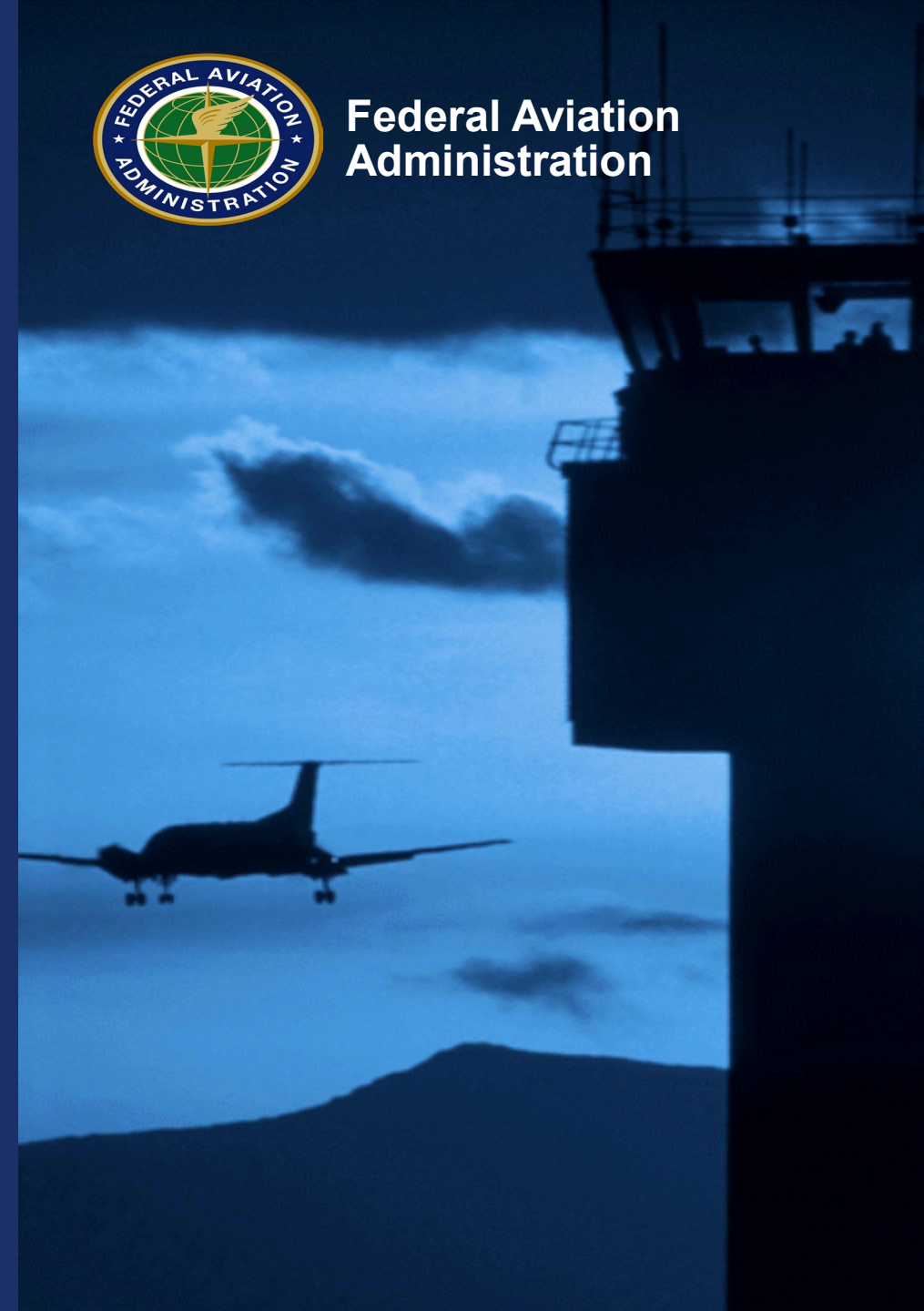
NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

FAA CRO Update



Federal Aviation
Administration

Presented to: Noise Oversight Committee
By: James Ipsen, M98 STMC
Date: September 2023



CRO Update

- **The current test has been extended through March 3rd, 2023.**
 - Lack of demand/traffic volume, weather variables, and fleet mix have limited the number of opportunities to be on the configuration.
 - The Workgroup is seeking more data to properly review the change in procedures.
 - The FAA is looking for more opportunities to train the workforce on the procedures.



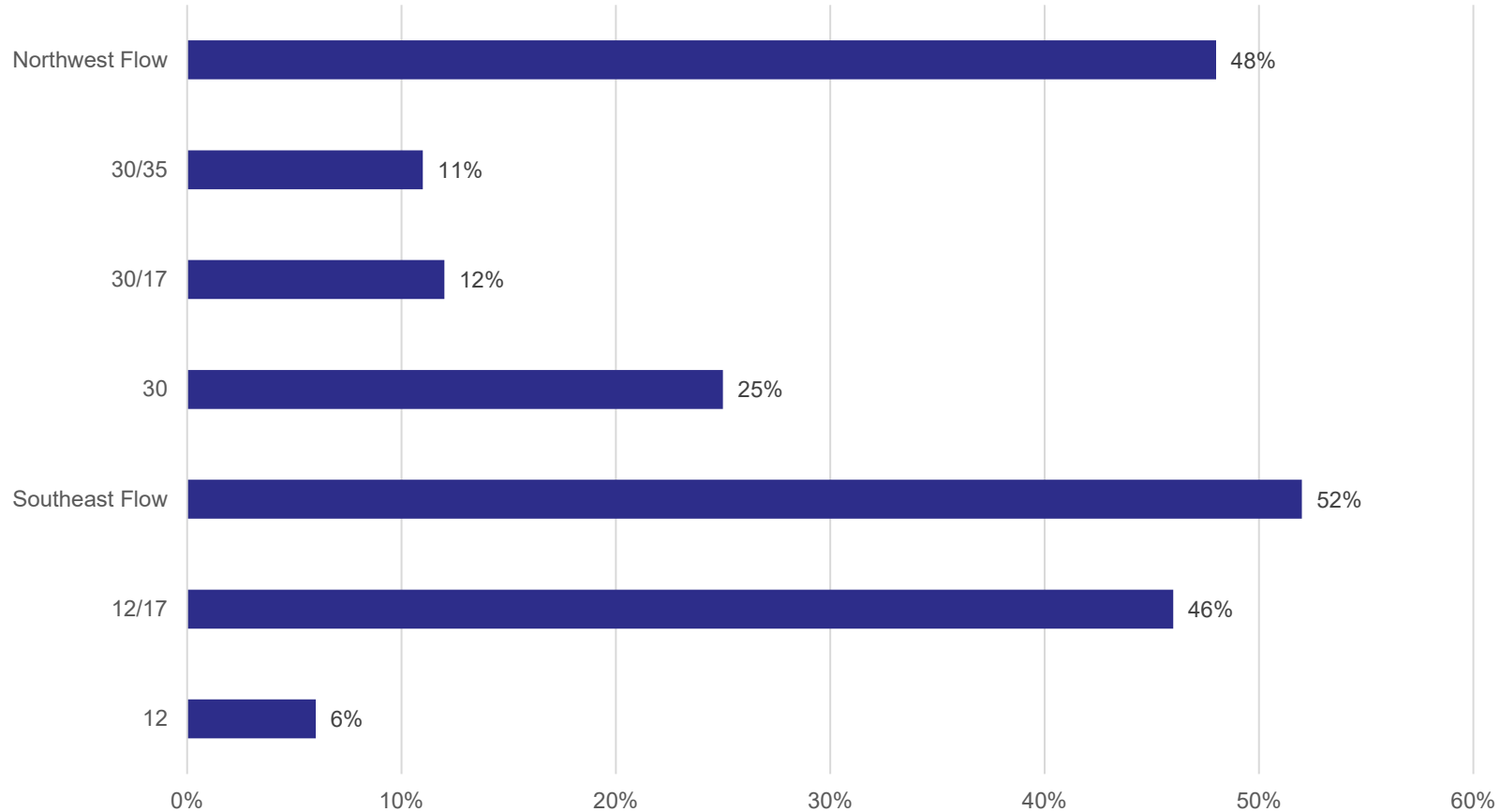
Converging Runway Operations

- **August 2023**

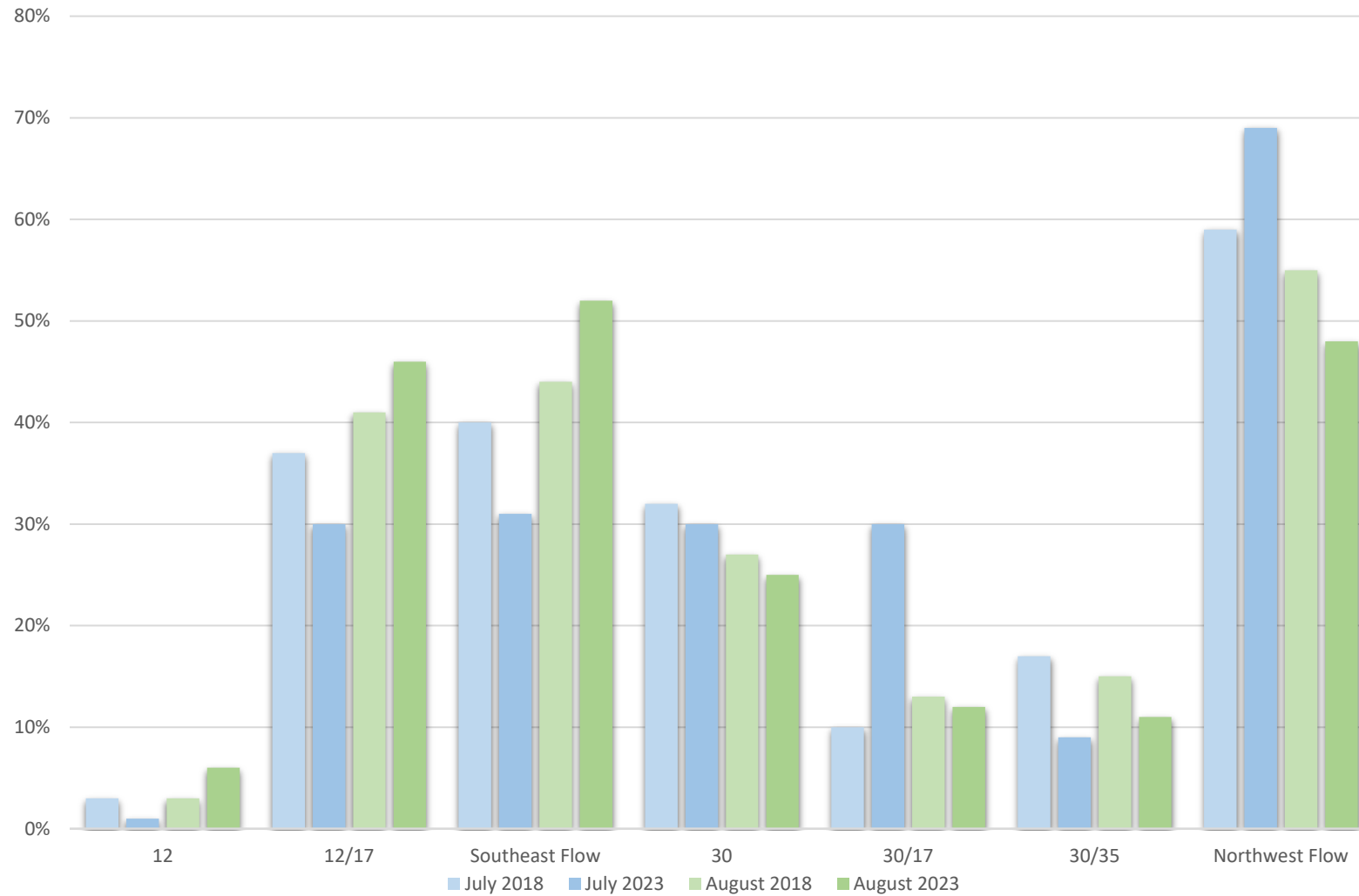
- MSP was in a Runway 30/35 configuration 11% of the time, or approximately 54 hours.
- Aircraft actually landed on runway 35 less than 2% of the time, or approximately 10 hours.
- These numbers are consistent with 30/35 use in the month of July.



August Configuration Data



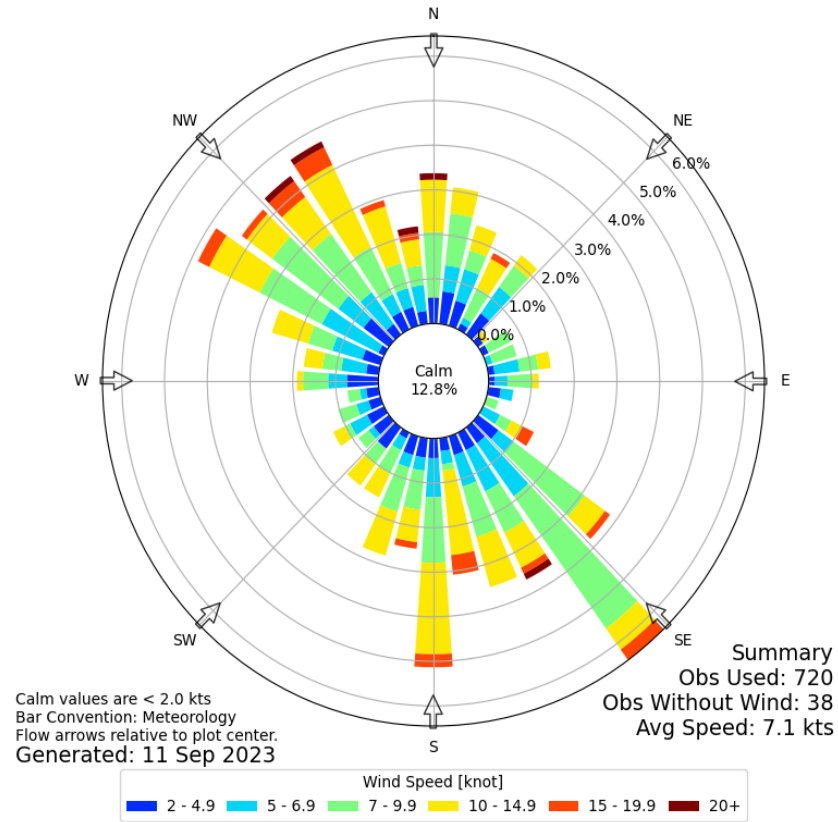
Runway Use Comparison



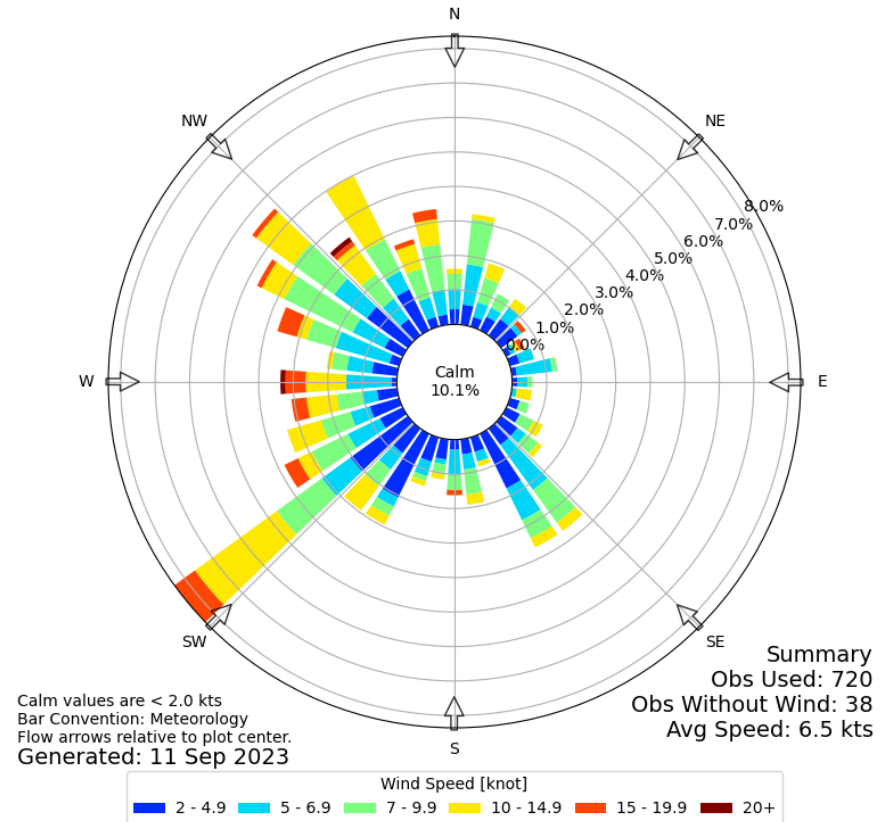
July Wind Data



Windrose Plot for [MSP] MINNEAPOLIS
Obs Between: 01 Jul 2018 12:53 AM - 30 Jul 2018 11:53 PM America/Chicago



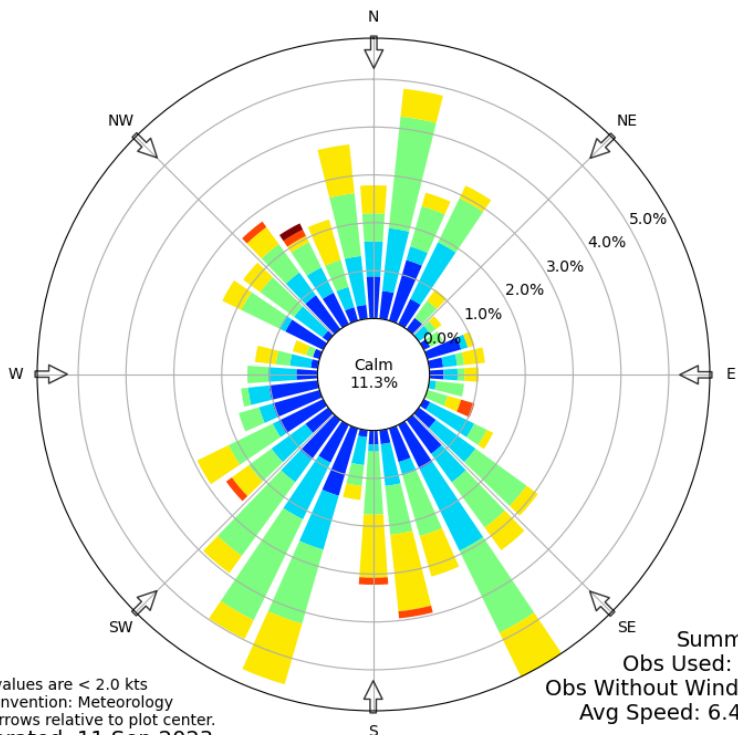
Windrose Plot for [MSP] MINNEAPOLIS
Obs Between: 01 Jul 2023 12:53 AM - 30 Jul 2023 11:53 PM America/Chicago



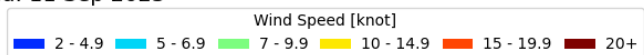
August Wind Data



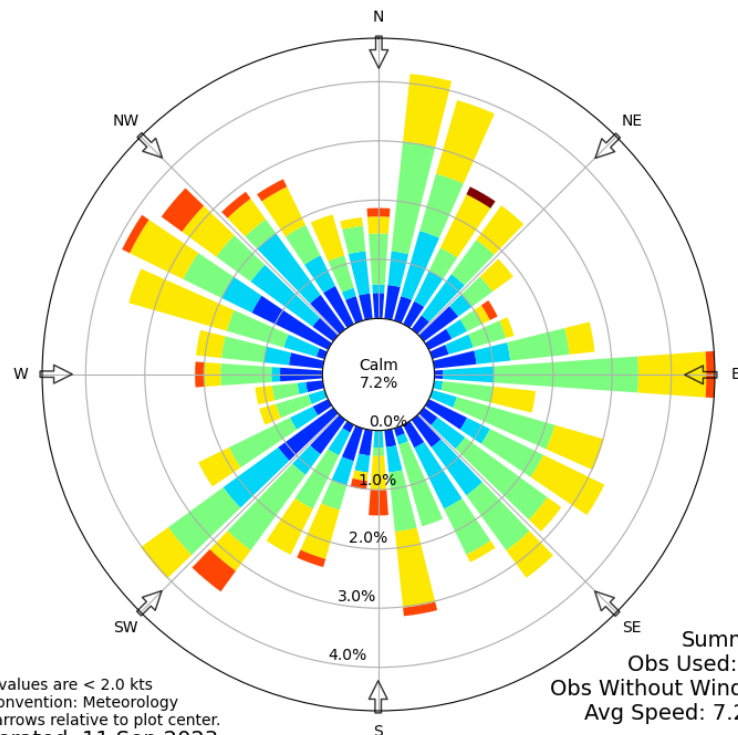
Windrose Plot for [MSP] MINNEAPOLIS
Obs Between: 01 Aug 2018 12:53 AM - 30 Aug 2018 11:53 PM America/Chicago



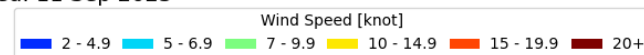
Calm values are < 2.0 kts
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 11 Sep 2023



Windrose Plot for [MSP] MINNEAPOLIS
Obs Between: 01 Aug 2023 12:53 AM - 30 Aug 2023 11:53 PM America/Chicago



Calm values are < 2.0 kts
Bar Convention: Meteorology
Flow arrows relative to plot center.
Generated: 11 Sep 2023



4.2 – FAA UPDATE ON MSP VOR-MON AND PROCEDURE DEVELOPMENT



**NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023**

MSP VOR Discontinuance



Federal Aviation
Administration

MSP Performance Based Navigation (PBN) Area Navigation (RNAV) Procedure Design Update

Presented to: MSP Noise Oversight Committee
By: Nitin Rao, Community Engagement Officer
Date: September 20, 2023

Working Group Overview

- **Collaborative process between the FAA, MAC, and Industry to develop a preliminary design that enhances safety and efficiency at MSP, while taking public interests into account**
 - FAA
 - Local Air Traffic (MSP Tower, TRACON, ARTCC)
 - FAA Operations Support Group
 - Great Lakes Regional Administrator's Office
 - MAC: Represents community interests
 - Industry: Provides the users' preferred designs and evaluates the flyability of the procedures

Approach

- **Enhance safety and efficiency**
- **Modernize the National Airspace System (NAS)**
 - Reduces complexity
 - Aircraft will know the flight path they will fly prior to leaving the gate
 - Enhances safety due to a reduction in communication between pilots and air traffic control
 - De-conflicts operations between satellite airports and airspace
- **Leverage existing noise abatement practices**

Status

- **Preliminary Project Design Completed (August 2023)**
 - Developed New RNAV departure procedures to support the discontinuance of the MSP VOR and to comply with current FAA criteria
 - The procedures workgroup considered and incorporated the community interests and requests as represented by the MAC to the maximum extent possible.



Community Engagement: Next Steps

- **FAA will present the procedures to:**
 - MAC Executive Leadership: October 12, 2023
 - NOC Subcommittee: TBD
- **FAA targeting commencing environmental review in 2024**
 - Level of review not yet determined
- **Planning public workshops (Date/Format TBD)**



Questions

Nitin Rao, Community Engagement Officer for the Great Lakes Region

(p) 847-294-7375

(e) Nitin.Rao@faa.gov



4.3 – REVIEW OF SUMMER LISTENING SESSION



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

Summer Listening Session

- July 26, 2023, 6pm; City of Eagan City Hall
- Meeting Attendees
 - Five Eagan residents
 - Four Burnsville residents
 - One Mendota Heights resident
 - Two additional residents
 - NOC representatives Sarah Alig, Cheryl Jacobson, Loren Olsen, and Julie Riser
 - MAC staff
- Topics discussed:
 - Runway use system and fleet mix changes
 - Review of MSP Noise Abatement Procedures and reduced thrust usage
 - Impact of filing noise complaints.



4.4 – DRAFT 2024 WORK PLAN



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023

Draft NOC 2024 Work Plan

1. RESIDENTIAL NOISE MITIGATION PROGRAM

- a. Review Residential Noise Mitigation Program Implementation Status

2. MSP COMMUNITY RELATIONS SPECIFIC EFFORTS

- a. 2023 Actual Noise Contour Report
- b. MSP Fleet Mix and Nighttime Operations Assessment
- c. MSP Annual Aircraft Noise Complaint Data Assessment
- d. Runway 30L and 30R Departure Analysis

- f. Status of FAA Center of Excellence/ASCENT, TRB, and FICAN Research Initiatives
- g. Converging Runway Operations at MSP
- h. Noise Policy Review
- i. New RNAV Departure Procedure Development / VOR-MON
- j. Guest Speaker: Brian Ryks, MAC Executive Director / CEO

3. CONTINUE REVIEW OF PUBLIC INPUT

5 – ANNOUNCEMENTS



**NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023**

ITEM 5

ANNOUNCEMENTS

Fall Listening Session

Wednesday, October 18, 2023 @ 6 PM

Location: MAC General Office Building

November NOC Meeting

Wednesday, Nov 15, 2023 @ 1:30 PM

Location: MAC General Office Building



NOISE OVERSIGHT COMMITTEE
SEPTEMBER 20, 2023