



NOISE OVERSIGHT COMMITTEE

July 20, 2022

Audio recordings are made of this meeting

Agenda

1. Consent

- 1.1 Approval of May 18, 2022 Meeting Minutes
- 1.2 Reports
 - 1.2.1 Monthly Operations Reports: May and June 2022
 - 1.2.2 Status of Aviation Noise, Environment, and Health-Related Research Initiatives

2. Public Comment Period

3. Business

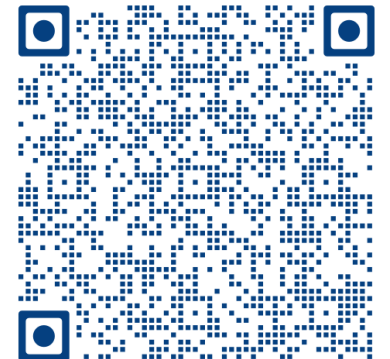
- 3.1 Hybrid Meeting Approval
- 3.2 November 16, 2022 NOC Meeting Time

4. Information

- 4.1 Guest Speaker: 133rd Airlift Wing, Minnesota National Guard, Lt. Col. Denny Paulsen
- 4.2 Meet the Fleet

5. Announcements

6. Adjourn



Use QR code to access presentation.



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

MSP OPERATIONS

May 2022

5,966

Operations

1,753

Nighttime Operations
(10:30 PM – 6:00 AM)

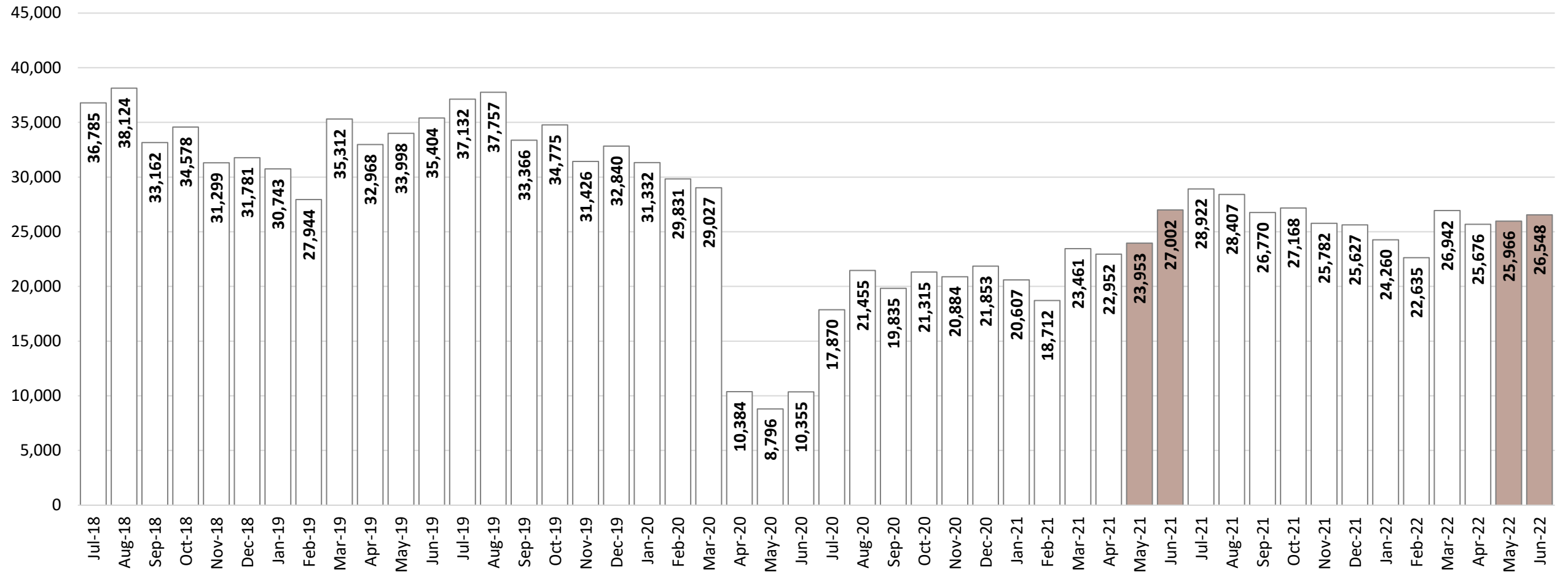
June 2022

26,548

Operations

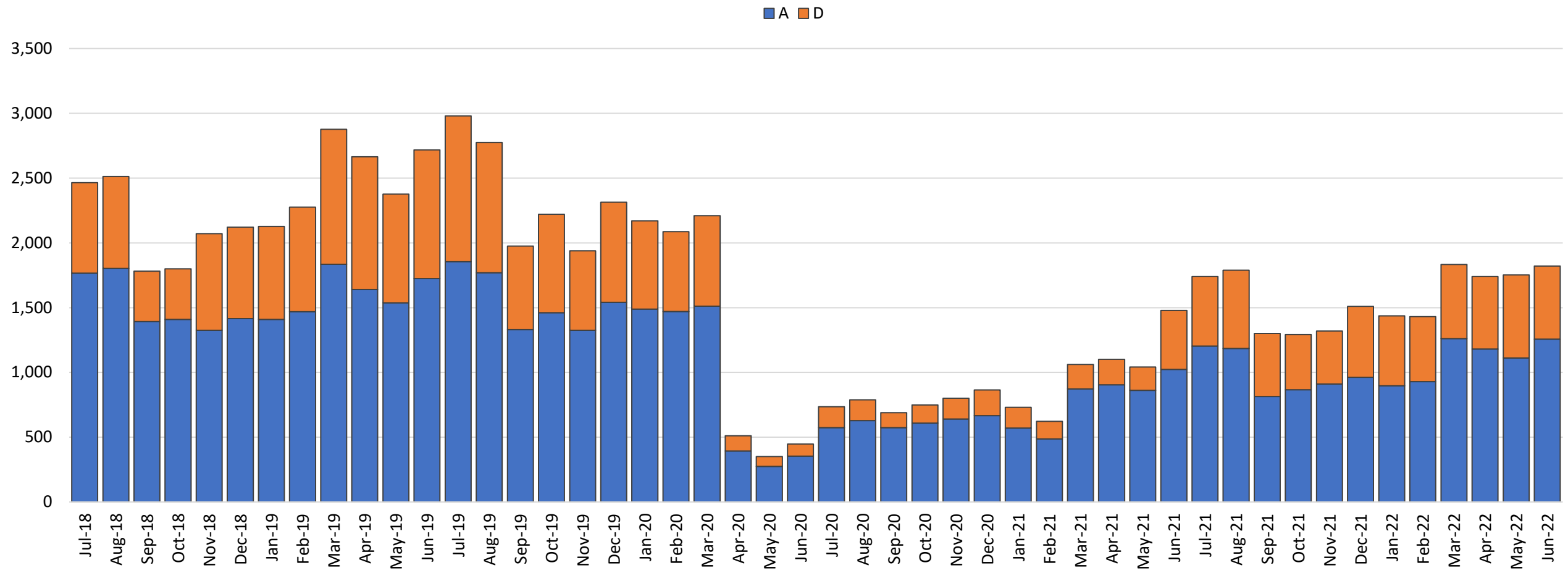
1,821

Nighttime Operations
(10:30 PM – 6:00 AM)



MSP OPERATIONS

May 2022		June 2022	
5,966	1,753	26,548	1,821
Operations	Nighttime Operations (10:30 PM – 6:00 AM)	Operations	Nighttime Operations (10:30 PM – 6:00 AM)



RUNWAY USE

MAY 2022

JUNE 2022

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
35%	53%	5%

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
36%	42%	14%

2021 JAN – JUNE

2022 JAN – JUNE

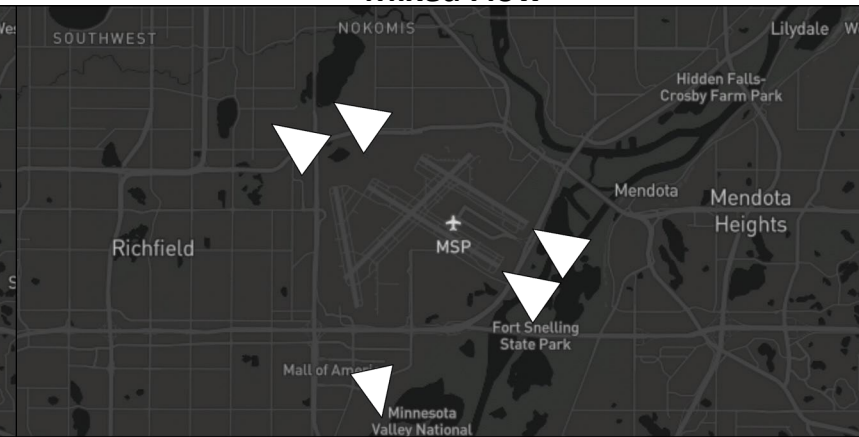
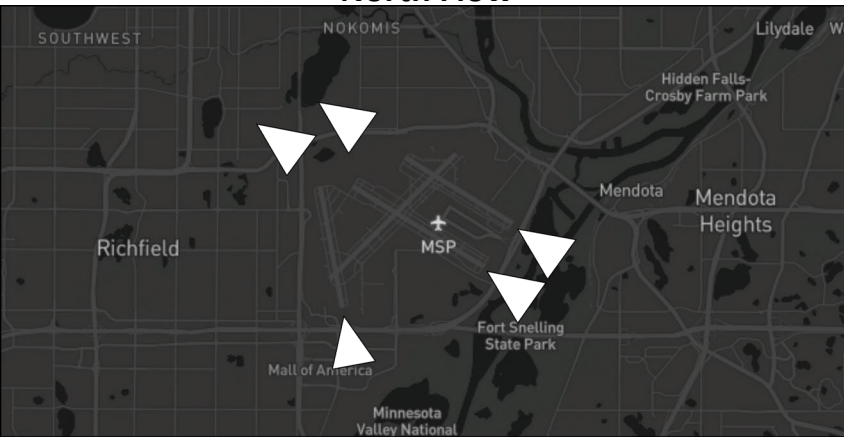
NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
43%	43%	5%

NORTH FLOWS	SOUTH FLOWS	MIXED FLOWS
45%	40%	8%

North Flow

South Flow

Mixed Flow



MAY – JUNE RUNWAY USE

52,514
OPERATIONS IN MAY – JUNE

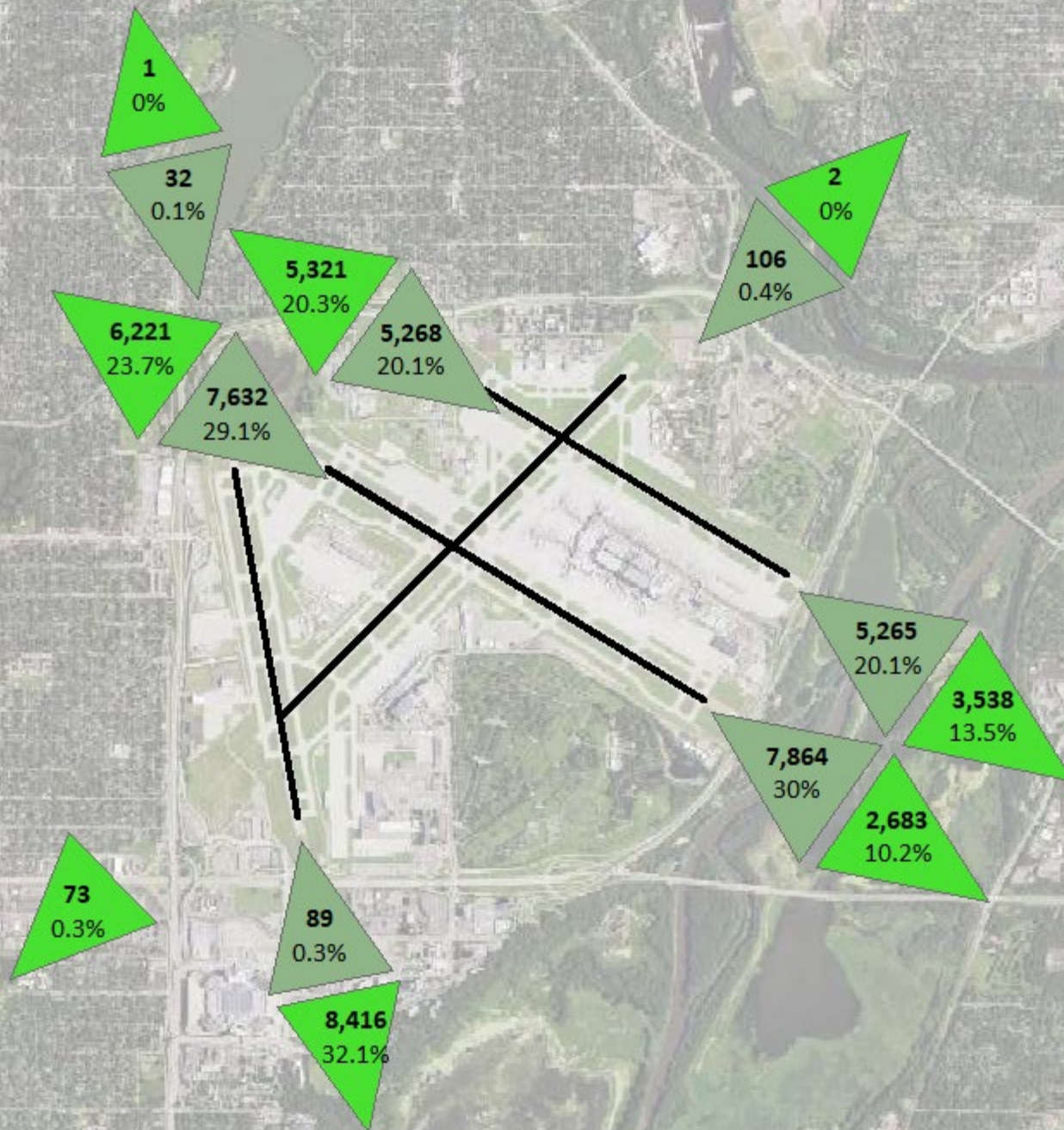
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
37%	16%	0%	47%

26,258
ARRIVALS

PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
50%	0%	0%	49%

26,256
DEPARTURES

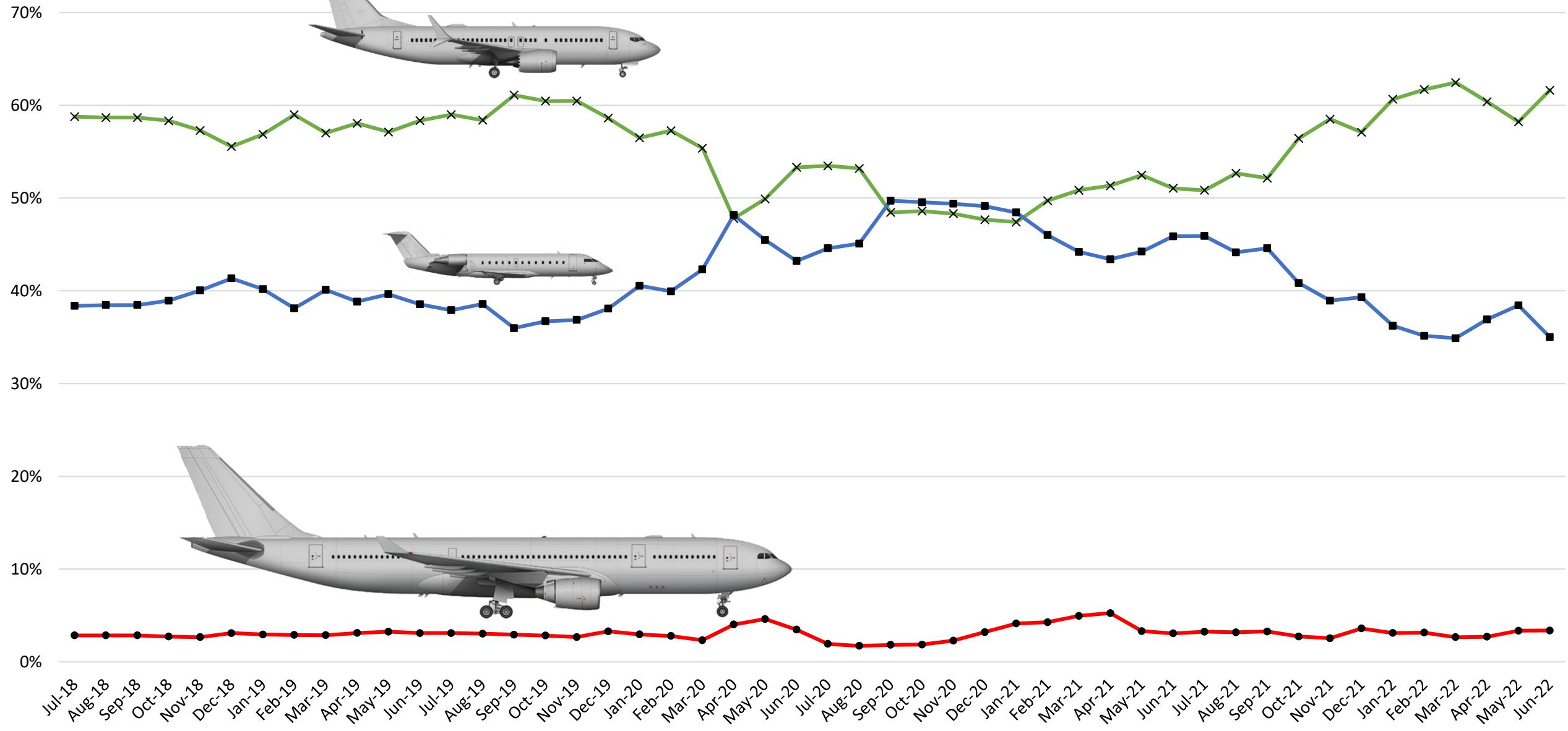
PRIORITY 1	PRIORITY 2	PRIORITY 3	PRIORITY 4
24%	32%	0%	44%



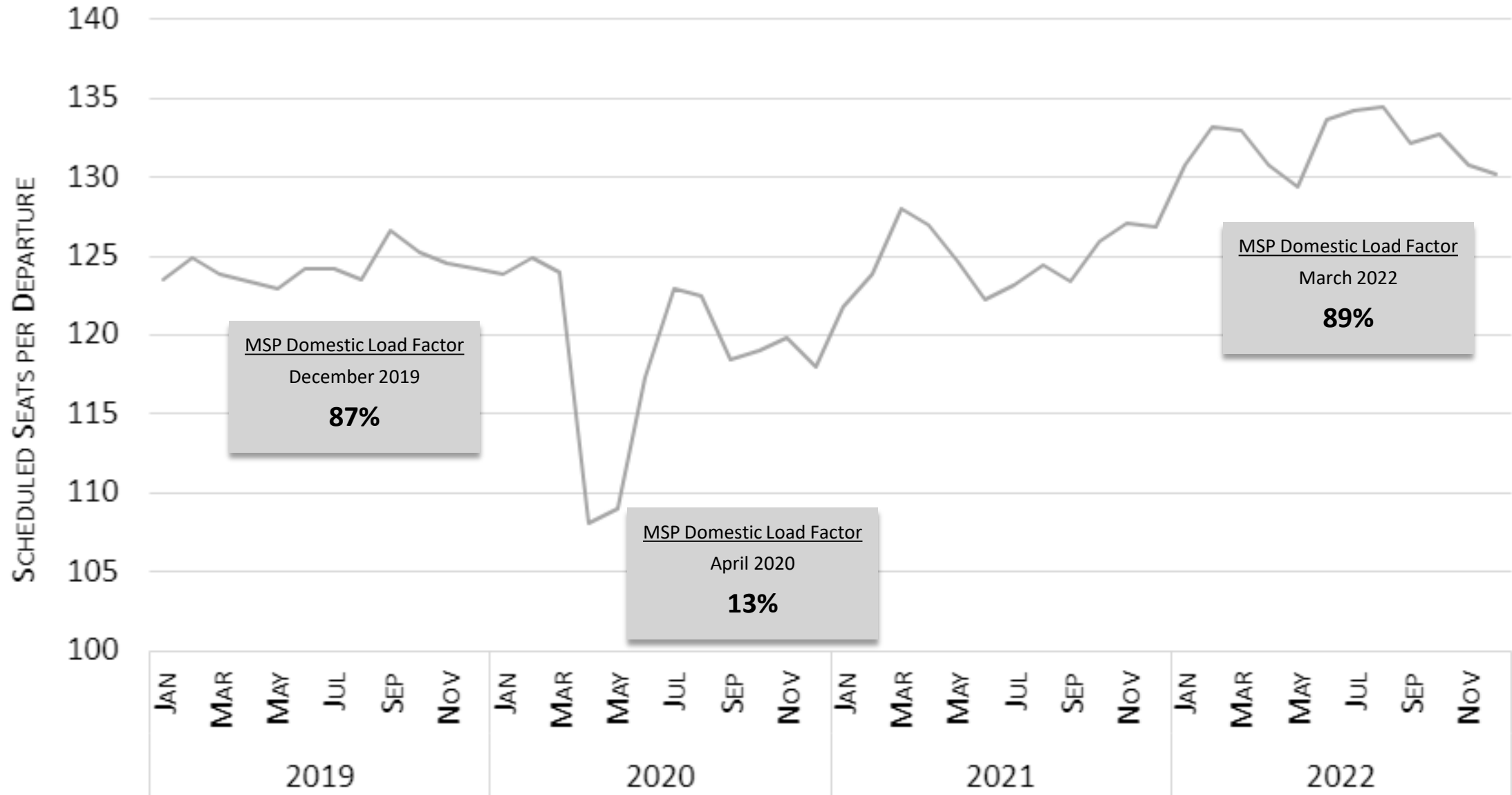
MSP OPERATIONS

CARRIER JET FLEET MIX

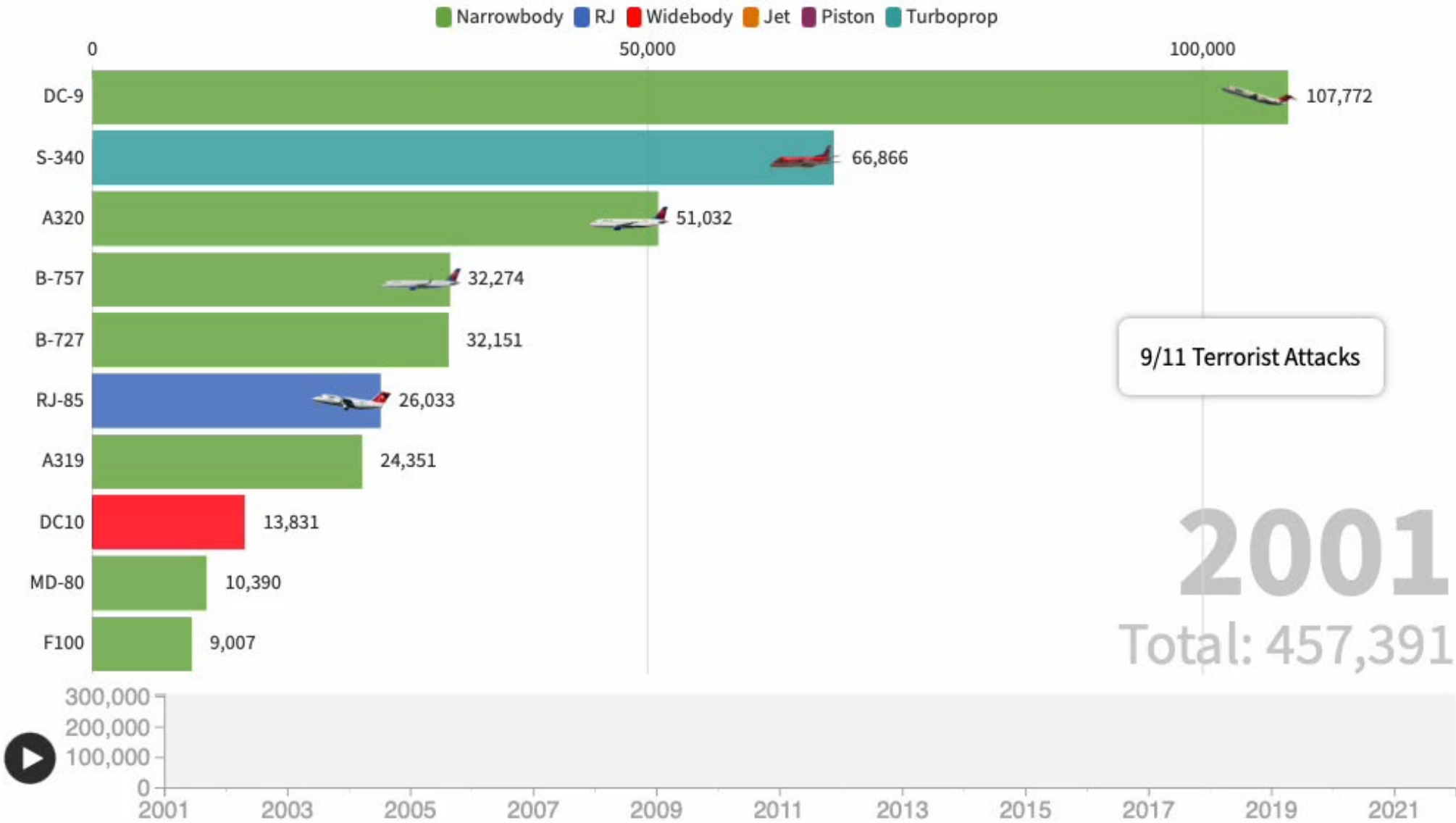
—x— NARROWBODY —■— RJ —●— WIDEBODY



MSP SCHEDULED SEATS PER DEPARTURE



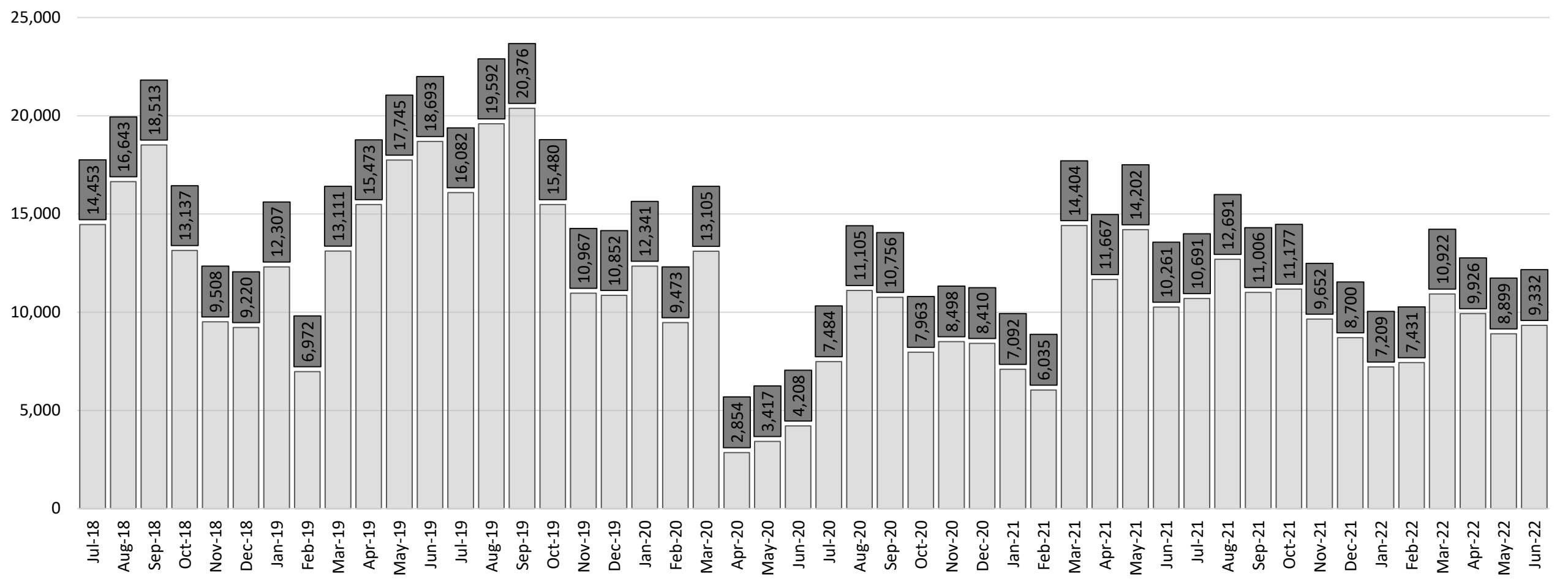
MSP Operations by Aircraft Type



Source: MACNOMS

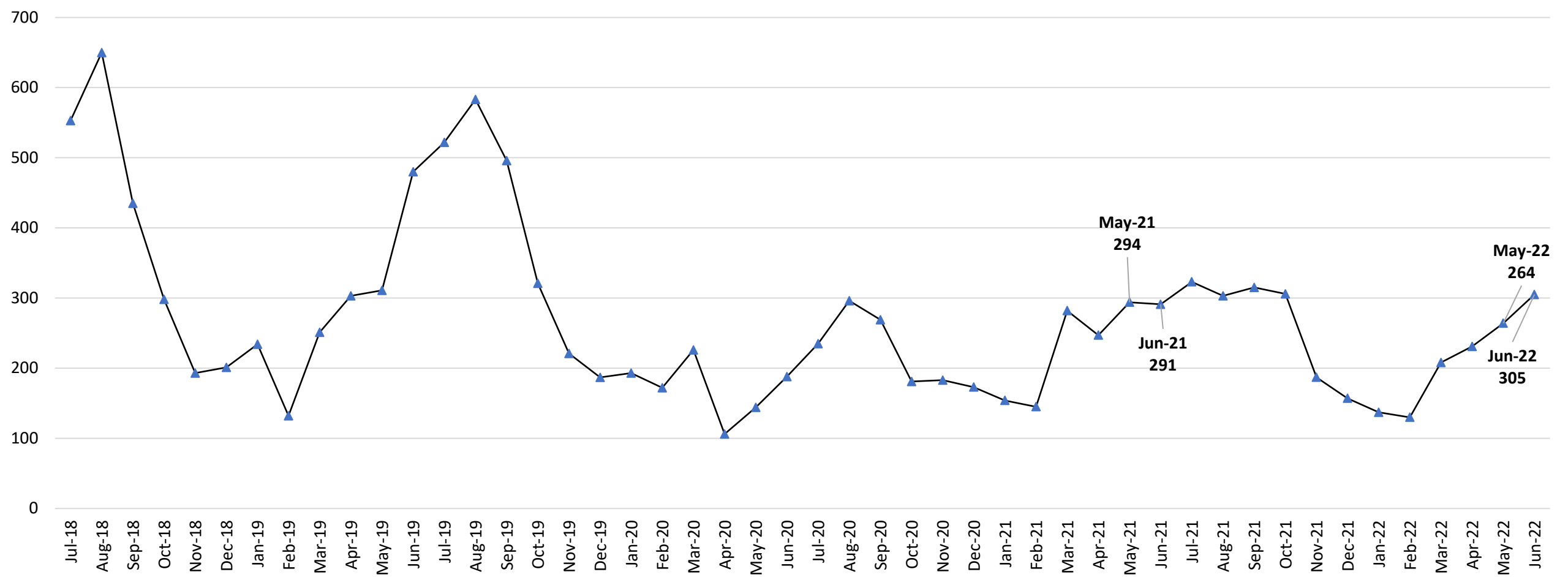
MSP COMPLAINTS

May 2022					June 2022				
COMPLAINTS		LOCATIONS			COMPLAINTS			LOCATIONS	
18,899		264			9,332			305	
New Locations		Average		Median	Ops per Complaint		New Locations	Average	
18		53		5	28		41	43	



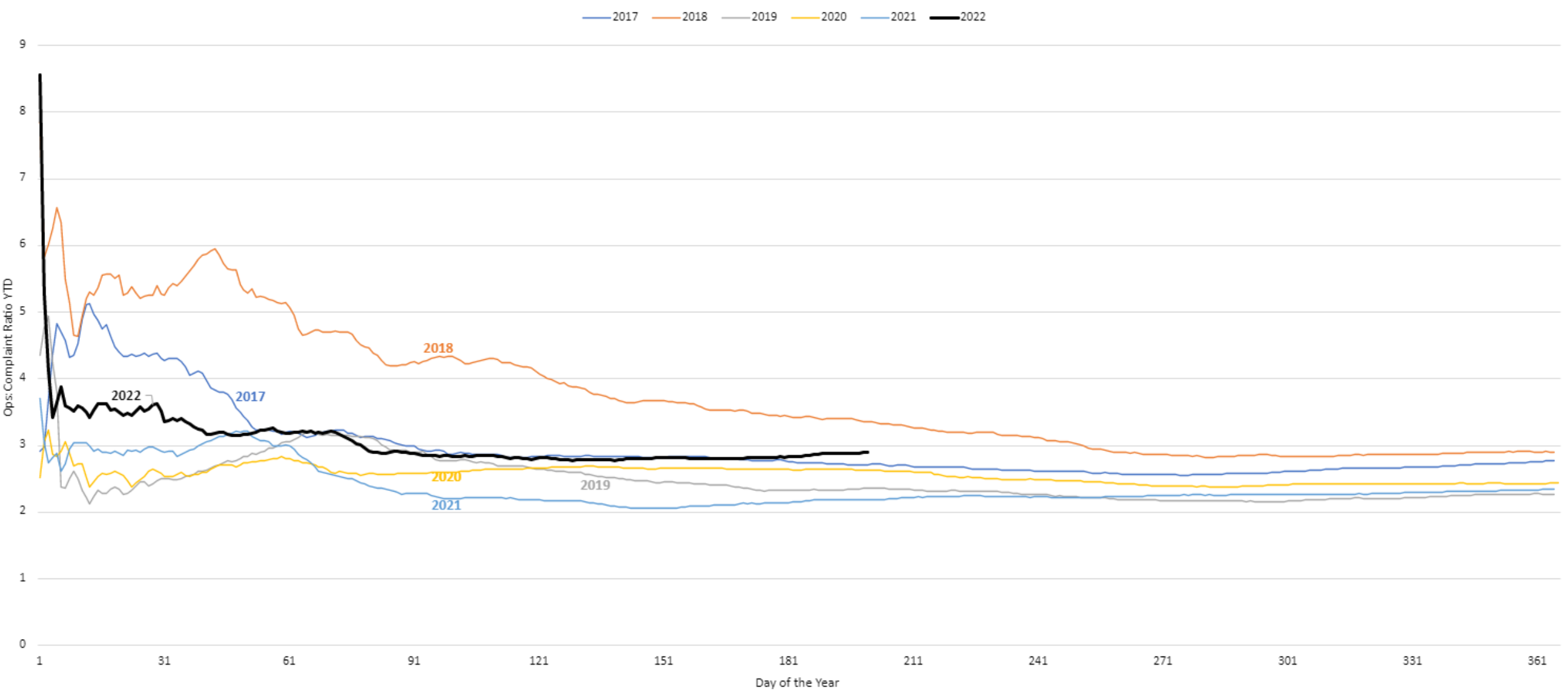
MSP COMPLAINTS

May 2022				June 2022			
COMPLAINTS		LOCATIONS		COMPLAINTS		LOCATIONS	
3,899		264		9,332		305	
New Locations		Average		Ops per Complaint		Average	
18		53		2.8		43	



MSP COMPLAINTS

Annual Operations:Complaint Ratio Year -to-Date





TOP 10 LOCATIONS

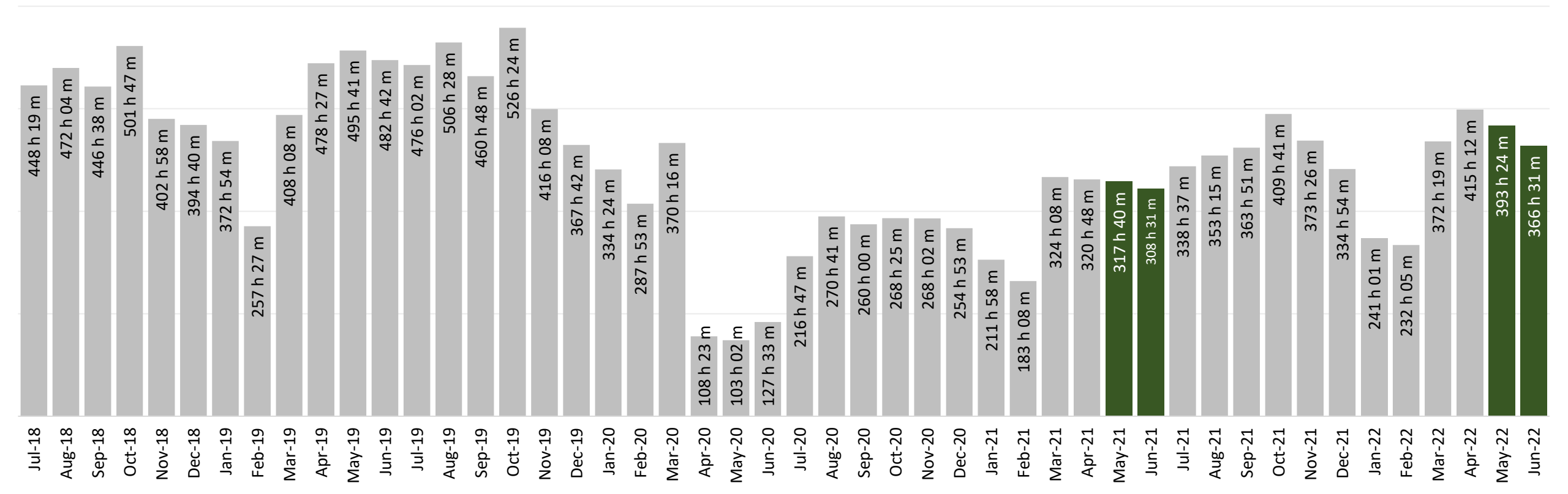
FILED
9,371
(51%)
COMPLAINTS DURING MAY & JUNE

7 OF 10
LOCATIONS WERE IN THE TOP 10
FOR MAR – APR DATA

268
(68%)
LOCATIONS FILED 10 OR FEWER
COMPLAINTS

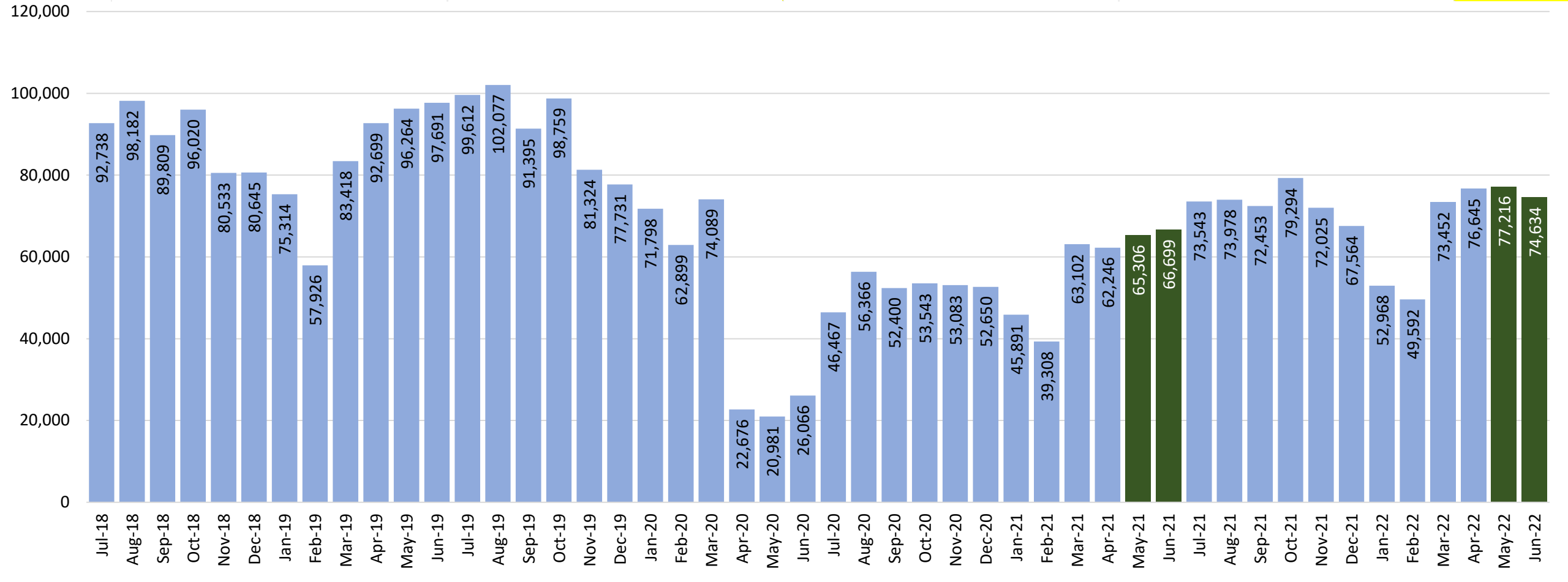
SOUND MONITORING

May 2022			June 2022		
Time Above	55 TA ⁶⁵ Per Operation	393 h 24 m TA ⁶⁵	Time Above	50 TA ⁶⁵ Per Operation	36
Count Above	2.98 N ⁶⁵ Per Operation	77,216 N ⁶⁵	Count Above	2.81 N ⁶⁵ Per Operation	7



SOUND MONITORING

May 2022			June 2022		
Time Above	55 TA ⁶⁵ Per Operation	393 h 24 m TA ⁶⁵	Time Above	50 TA ⁶⁵ Per Operation	36 TA ⁶⁵
Count Above	2.98 N ⁶⁵ Per Operation	77,216 N ⁶⁵	Count Above	2.81 N ⁶⁵ Per Operation	7 N ⁶⁵



NOISE ABATEMENT

May 2022

Runway 17	99.5%
Corridor	88.8%
Cross Day	30.3%
Cross Night	31.7%

June 2022

Runway 17	99.5%
Corridor	95.2%
Cross Day	32.4%
Cross Night	38.8%

RUS

51.6%

Arrive - 44%

Depart - 59%

RUS

54.4%

Arrive - 57%

Depart - 52%

ITEM 2

PUBLIC COMMENT PERIOD



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

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.
- Use of profanity, personal attacks, or threats of violence will not be tolerated.



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

3.1 HYBRID MEETING APPROVAL



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

Action Requested

APPROVE FUTURE NOC MEETINGS BE CONDUCTED WITH HYBRID MEETING OPTION
FOR COMMITTEE MEMBERS AND PUBLIC TO PARTICIPATE



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

3.2 NOVEMBER 16, 2022 NOC MEETING TIME



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

Action Requested

APPROVE THE NOVEMBER 16, 2022 NOC MEETING START TIME OF 1:30 PM



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

5.3 GUEST SPEAKER: LT. COL. DENNY PAULSEN



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022



133AW
MINNESOTA
AIR NATIONAL GUARD



Title

A Century in the Sky

Lt Col. Denny Paulsen

Overview

- Introduction – Lt Col Denny Paulsen, 109AS DO
- Overview of Wing
- History of Wing
- Our Mission
- C-130H3 Hercules Aircraft
- The Future of the C-130 Fleet
- Community Notifications
- Questions



133rd Airlift Wing Overview

- Personnel
 - 1,200+
- Aircraft
 - Eight C-130H3 Hercules
- 934th (Air Force Reserves)
 - Also fly Eight C-130H3 Aircraft, same Fed MSN
 - Gopher vs Viking call-sign and tail flash
- Units
 - Five Groups
 - Maintenance Group
 - Mission Support Group
 - Medical Group
 - Operations Group
 - Headquarters Unit
 - Two – Geographical Separated Units
 - 208th Weather Flight
 - 210th Engineering Installation Squadron



History

- Active Aug 27 1917-Present
- Sept. 26, 1920
 - Capt. Ray S. Miller, Lt. Col. William Garis and Gen. Walter Rhinow, traveled for seven days to Washington D.C. to advocate for flying units within the National Guard
- Jan. 17, 1921
 - 109th Observation Squadron became the nation's first federally recognized Air National Guard unit
- Founder
 - Brig. Gen. Ray S. Miller
- Have flown 15 different aircraft models and have been involved in every major conflict since WWII



Some of our History

- 1947
 - Moved to Minneapolis-St. Paul International Airport (MSP) from Holman Field
- Aircraft flown from MSP
 - 1947 – 1954: P-51D Mustang
 - 1957 – 1959: Northrop F-89
 - 1957 – 1958: Lockheed F-94
 - 1960 – 1971: C-97 Stratofreighter
 - 1971 – 1981: C-130A Hercules
 - 1981 – 1995: C-130E Hercules
 - 1995 – Present: C-130H3 Hercules



Our Mission

- Very busy and active ANG Unit.
- We have an important mission set.
 - Federal: Deployments throughout the world to include Northeast Africa, Middle East and Southeast Asia.
 - State: Natural Disasters, Hurricane and Flood relief, Civil Unrest, COVID-19 support.
 - Ready as a moments notice to Mobilize!



C-130H3 Hercules

- About the C-130H3
 - Cruising Speed: 300+ knots
 - Power Plant: Four Turboprop Engines producing 4508 HP each
 - Weight (Max): 155,000 lbs; 53,164 lbs payload
 - Ceiling: 33,000 feet
 - Range: 4,200 miles
 - Longest running and most successful military aircraft in history with multiple variants.



C-130H3 Hercules Operations

- **Training Flights**
 - Weekly: Day and Night
 - Fly at night to capture valuable Night Vision Goggle (NVG) training.
 - We train hard to safely perform our mission and represent both MN and the United States of America!
 - Typical destinations include Camp Ripley (Brainerd), Duluth, Rochester, Fargo, Volk Field and destinations throughout the world.
- **Maintenance**
 - Most heavy Maintenance and Engine Run-ups are done during the day and on drill weekends.
 - Preflight Checks before each takeoff.
 - Most noise at night associated with general aircraft movement (no heavy maintenance).



The Future of our C-130 Fleet

- 8-Bladed Prop modifications have started. New props provide noise reduction.
- Potential for more enhancements in the future.



Community Notification

- Occasional advanced notices for increased flying activity.

 **133rd Airlift Wing** ✓
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The 133rd Airlift Wing will increase their flying between June 11-16, 2022. Airmen are required to train during hours of darkness as part of a training exercise. Residents around the Minneapolis-St. Paul International Airport, Southern Minnesota, and Western Wisconsin may see our C-130 Hercules taking off, flying, and landing outside regular flying hours. All C-130s will be on the ground by midnight each day.



 Increase Flying June 11 - 16, 2022 



U.S. AIR FORCE
MINNESOTA AIR GUARD



Questions

- Questions
- Thank You!



4.2 – MEET THE FLEET



NOISE OVERSIGHT COMMITTEE
JULY 20, 2022

ITEM 5

ANNOUNCEMENTS

Summer Listening Session

Wednesday, July 27, 2022 @ 6 PM

Location: Eagan City Hall

September NOC Meeting

Wednesday, Sept 21, 2022 @ 1:30 PM

Location: MAC General Office Building



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JULY 20, 2022