



Tempe Aviation Commission

Tuesday, April 9, 2024

6:30 p.m. – Call to Order

HYBRID

Tempe Public Library, Second Floor Hackberry Room
3500 S Rural Rd, Tempe, AZ 85282

VIRTUAL

Microsoft Teams meeting, [Click here to join the meeting](#)
Meeting ID: 220 286 849 457 Passcode: nWkgAg. Or call in (audio only)
[+1 480-498-8745,,147896898#](#) United States, Phoenix
Phone Conference ID: 147896898#

AGENDA

1. **Call to Order & Introductions**
2. **Public Appearances:** The Tempe Aviation Commission welcomes public comments at this time. The Commission may not respond to public comments unless the topic has been placed on the agenda. There is a *three-minute time limit* per citizen.
3. **Consideration of Meeting Minutes March 12, 2024;** for discussion and approval.
4. **PHX Tower/TRACON Tour June 11, 2024;** member participation for discussion and action.
5. **Another Public Event;** aircraft noise complaint update, event topic discussion.
6. **Aviation Training and Sky Harbor Near Misses;** for update and potential discussion.
7. **Commissioners' Business;** suggestions for future agenda items.
8. **Schedule Next TAVCO Meeting;** *Tuesday, May 7, 2024*
9. **Adjournment.**

According to the Arizona Open Meeting Law, the Commission may only discuss matters listed on the Commission agenda. The City of Tempe endeavors to make all public meetings accessible to persons with disabilities. With 48 hours advance notice, special assistance is available at public meetings for sight and/or hearing-impaired persons. Please call 350-2905 (voice) or 350-8400 (TDD) to request an accommodation to participate in a public meeting. Parking information is available at <http://www.millavenue.com/go/tempe-community-council>. For public transportation route and schedule information, please visit www.valleymetro.org or call 602-253-5000.

DRAFT MEETING MINUTES

TAVCO

March 12, 2024

Minutes of the Tempe Aviation Commission meeting held via virtual Microsoft Teams meeting with call in +1 (480) 498-8745 United States, Phoenix (Toll) Conference ID: 112 105 842 6 # at the Tempe Public Library Second Floor Hackberry Room, on March 12, 2024, 6:30 p.m.

(MEMBERS) Present:

James P. Camargo (attending in person)
Aaron McBride
Joel Hunter (attending in person)
Peter H. Schelstraete
Vikas Seelam
Desiree Walker, Vice Chair

(MEMBERS) Absent:

John Lynch, Chair
Stuart Mitnik

Citizens Present:

None

City Staff Present:

Oddvar Tveit Temporary Aviation Coordinator

Agenda Item 1 – Call to Order

Desiree Walker calls the meeting to order at 7:04 p.m.

Agenda Item 2 – Public Appearances

Mr. Tveit informs him that there are no citizens attending the meeting in person or online.

Agenda Item 3 – Consideration of Meeting Minutes December 12, 2023, and October 10, 2023

Mr. Tveit informs that the approval of the minutes needs to be revisited due to lack of proper posting of the February 13th meeting with the City Clerk's office. Mr. Schelstraete moves to approve the October 10, 2023, meeting minutes. Ms. Walker seconds the motion. The October minutes are approved with Mr. McBride, Mr. Schelstraete, Mr. Seelam and Ms. Walker voting yes and with Mr. Camargo and Mr. Hunter abstaining. Mr. Schelstraete moves to approve the December 12, 2023, meeting minutes. Ms. Walker seconds the motion. The December minutes are approved with Mr. McBride, Mr. Schelstraete, Mr. Seelam and Ms. Walker voting yes and with Mr. Camargo and Mr. Hunter abstaining.

Agenda Item 4 – Another Aviation in Tempe Public Event

Mr. Tveit gives a Tempe 311 aircraft noise complaint update as an introduction to potential event items the commission could consider including.

He had reviewed and responded to complaints received in the 2021-23 period which had not been closed out in the Tempe 311 database. Thirty is not a very large number of complaints, but they originate from many of the city's residential areas. The complaints could be grouped into three categories.

1. Arrival flow issues
2. Departure flow anomalies
3. Air traffic transitions

1. Complaints caused by arrival flow issues were addressing these typical situations:

- a. In the afternoon during peak hours when an aircraft on occasions were not merged into the flow of normal descents, which are occurring opposite the wind direction and parallel to the closest outboard landing runway, on the “downwind leg.” In the afternoon hours the wind typically comes out of westerly directions, and since aircraft land against the wind, they are turned from a downwind leg 180° to intercept the final approach over north Tempe. Instead, air traffic control on occasions directs a descending airline to cross over and line up with the approach for the other outboard, parallel runway. This is done to fit all aircraft into the arrival flow with proper separation. The cross over descent cause citizens to notice that the aircraft is not on a regular flight path, and at the associated noise is noticeable because the pilots are making manual adjustments to power, flaps and get gear/ the undercarriage and banking to line up the final approach to land.
 - b. During morning hours when arrivals to the east go over Phoenix, on occasions a landing attempt is aborted and the aircraft climbs out over Tempe not following the normal departure path out to the 101 freeway, but cross over Tempe to get back to the arrival flow as quickly as possible to make another attempt to land.
2. Complaints on departures did occur in this period when the morning departure traffic from the center runway, used dominantly for departing jet aircraft temporarily was shifted to the south runway. The center and south parallel runways are closely spaced, but residents located on the south side of the riverbed at 5th street and a few blocks farther south can apparently detect overall noise impact changes.
 3. Lastly complaints on helicopter VFR transitions into the airspace close to PHX from other airports like Deer Valley, Scottsdale, Phoenix Mesa Gateway are problematic for the residents. The flight causing complaints were, Phoenix or Mesa Police, Maricopa Sheriffs operations and occasional news helicopters. IFR transitions subject to noise complaints were private business jets.

The city can also use the PHX Noise and Operations Monitoring System, the Casper application, to check how many complaints the airport receives from Tempe residents. In 2023 PHX received 8,123 complaints from one resident and 24 from six other Tempe residents. The one resident with a very large number of complaints lives in a neighborhood south of US 60 impacted by airline overflights both mornings and afternoons.

Mr. Tveit concludes that an analysis of aircraft complaints to the city and what Tempe residents are concerned about could be a topic at a new public event.

Agenda Item 5 – Aviation Training and Sky Harbor Near Misses

Mr. Tveit had included Congressional record from the House discussions on February 29, 2024, where U.S. Representative Stanton commented on the air misses and air traffic controller staffing at PHX, and the need for passing a reauthorization bill to help with air traffic control recruitment. Also, a press release on a Senate 2024 appropriations bill that would ensure the FAA's ability to maintain a safe air traffic control system. The House has been discussing various continuation bills, and no agreement has been reached at this time on a new reauthorization bill for the FAA.

Mr. Tveit suggests arranging a PHX TRACON/Tower tour at the June meeting date for the members to get an opportunity to ask air traffic control representatives about programs and recruitment at PHX. If arranged Mr. Tveit will give the facility representatives upfront knowledge about the commissioner's interest in information related to the two topics.

Agenda Item 8 – Commissioners' Business

Mr. Tveit suggests keeping items 4 and 5 upcoming meetings. Regarding other topics for a future event, he also mentions that the FAA's South-Western and South Pacific regions is coordinating the agency's continued work on Performance Based Navigation (PBN) improvements in the regions including PHX. The regions have been approaching the Tempe Mayor and City Manager to inform the city about the project. The PBN project could become a potential event topic. Information about Casper Public View to event attendant by PHX staff could also be a potential event topic. Mr. Tveit will prepare a tentative event agenda. Mr. Schelstraete asks if Maricopa Association of Government (MAG) still did airport system planning. Mr. Tveit answers to his knowledge they abandoned continuing doing such planning. The work on the last MAG Regional Aviation System Plan update was concluded in 2006 after MAG members did not succeed getting support by the FAA for an airspace analysis of projects included in the plan update.

Agenda Item 8 – Schedule Next TAVCO Meeting

The next TAVCO meeting was tentatively scheduled to Tuesday, April 9, 2024.

Mr. Tveit will investigate the cause of the technical problems with the virtual application and check if there are alternative platforms. Mr. Schelstraete states that the Transportation uses the Webx application. The members agreed to share phone numbers.

Agenda Item 9 – Adjournment.

Mr. Schelstraete motions to adjourn the meeting. Mr. Camargo seconds. Unanimous approval.

The meeting is adjourned at 7:39 p.m.


Prepared by: Oddvar Tveit



1

Tempe Aircraft Noise Complaints

Type of Notice	Address	Comments	Response
Phone Call	S. Forest Ave.	Planes over the patio, one after the other day and night, not getting any better	KEENS SID morning departure flow
E-mail	E. Bluebell Ln.	Early morning is really bad. It has definitely changed. Almost over my backyard	Tempe is not a formal actor as air traffic is under federal jurisdiction, but City of Phoenix has for decades has been aware that North Tempe residents are troubled by departures outside the confines of the riverbed



2

2

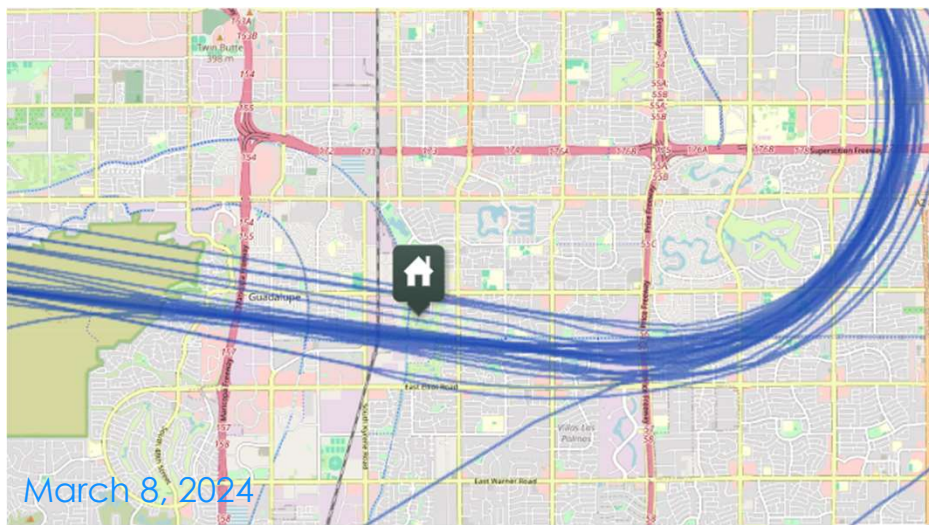
Tempe Aircraft Noise Complaints

Type of Notice	Address	Comments	Response
Tempe 311	W 18th St.	Approximately 4:45 p.m. to 5:00 p.m. 3 to 4 commercial aircraft leaving sky harbor flew directly over my house at 552 w 18th street flying southeast and at a low altitude. Excessive noise.	Departures were routed off the normal 4-DME departures path southeast over your neighborhood, apparently due to avoid an Allegiant departure from Phoenix-Mesa Gateway on a conflicting course towards the northeast
Tempe 311	N Gene Ave	Flights occurring @ 1:15 in the morning. 3/21 very loud. Flights start at 6 am	Morning departure rush, ATC makes use of all available runway capacity

5

3

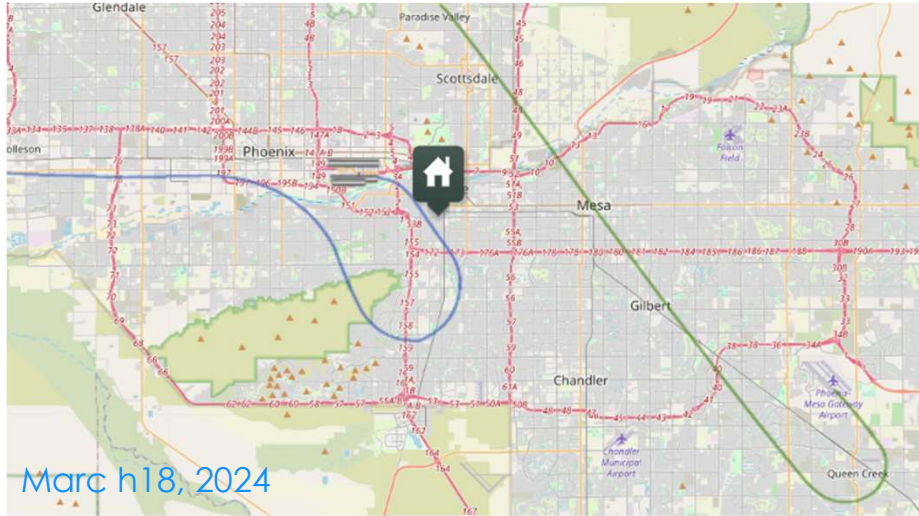
RNAV Departure Route



4

4

Departure Deviation

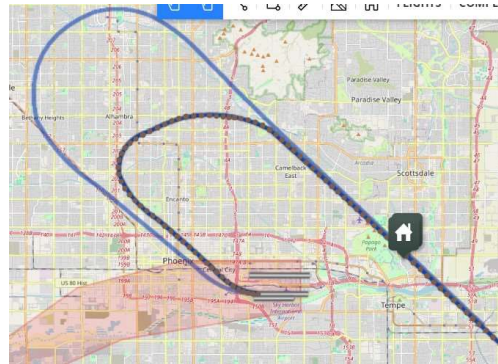
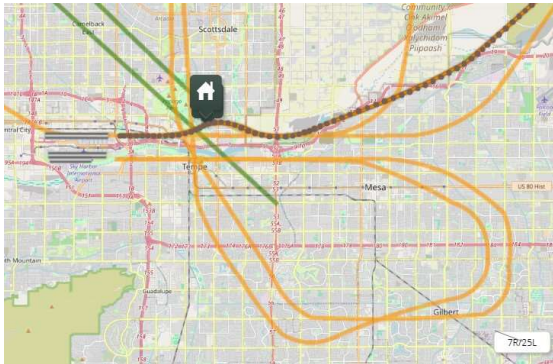


5

5

Arrivals

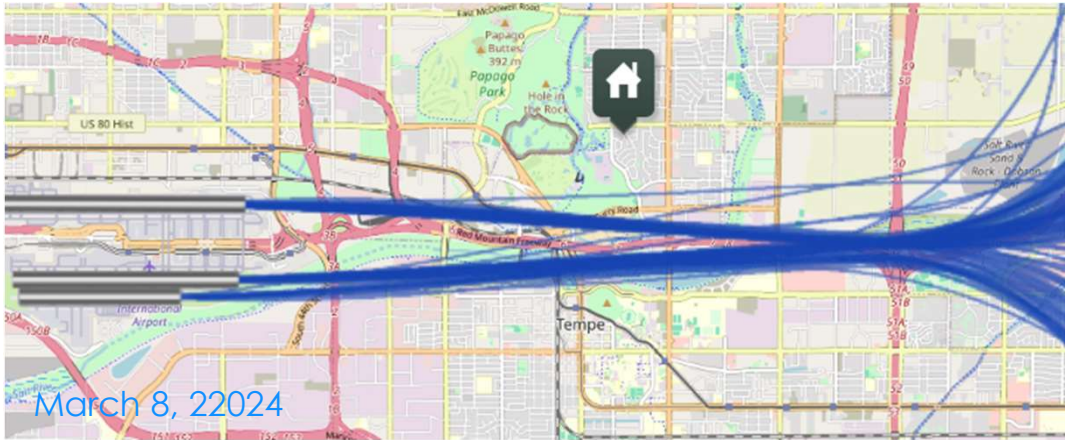
Departures



6

6

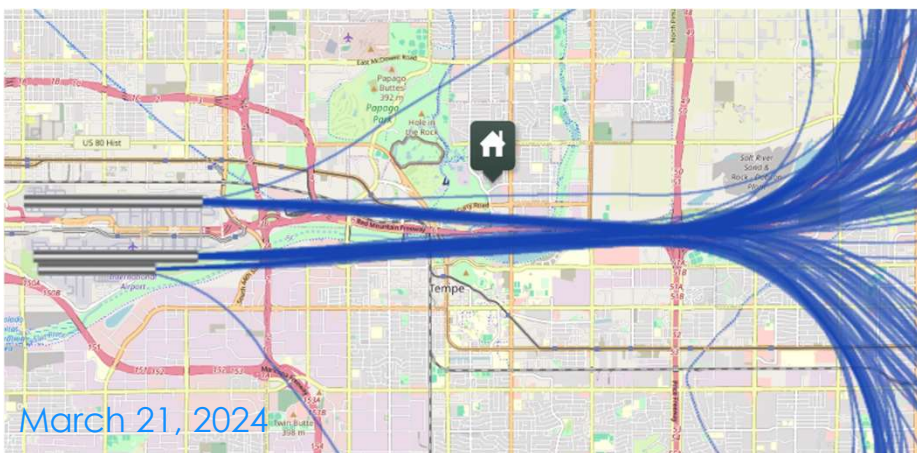
Early Departure Flow



7

7

Early Departure Flow



8

8

East Departure Routing



BALDY	BNYRD	✓ BROAK
CHILY	✓ ECLPS	✓ FORPE
FTHLS	FYRBD	IZZZO
JUDTH	KATMN	KEENS
LALUZ	MAYSA	MOBIE
✓ MRBIL	POTER	✓ QUAKY
SNOWL	✓ STRRM	YOTES
✓ ZEPER		

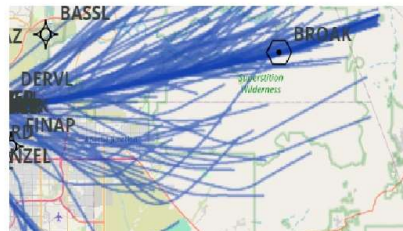
East departure routes over the SPRKY fly-over waypoint in Tempe

BROAK RNAV SID

March 2024



TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to SPRKY, then left turn direct BROAK. Thence . . .

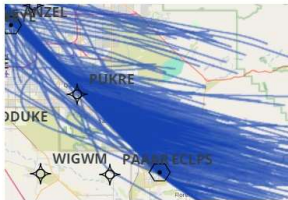


ECLIPS RNAV SID

March 2024



TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to SPRKY, then right turn direct ECLPS. Thence...



11

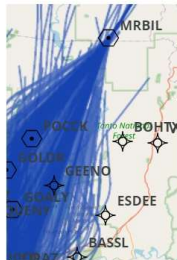
11

MRBIL RNAV SID

March 2024



TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to SPRKY, then turn left direct to cross GOALY at/below 9000, then on track 003° to POCCK, then on track 025° to MRBIL, thence...



12

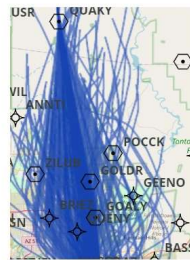
12

QUARKY RNAV SID

March 2024



TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct SPRKY, then left turn direct to cross GOALY at/below 9000, then on track 337° to QUARKY, thence



13

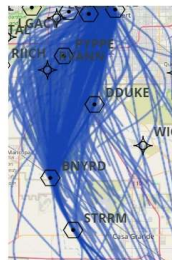
13

STRRM RNAV SID

March 2024



TAKEOFF RUNWAYS 7L/R, 8: Climb heading 078° to 1635, then direct to cross SPRKY at or above 2600 and at or below 220K, then right turn direct ANZEL, then on track 181° to DDUKE, then on track 199° to BNYRD, thence



14

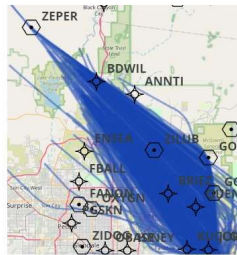
14

ZEPER RNAV SID

March 2024



TAKEOFF RUNWAYS 7L/R, 8: Climb on heading 078° to 1635, then direct SPRKY, then turn left direct to cross GOALY at or below 9000, then on track 339° to JOLAR, then on track 294° to ZEPER. Thence



15

15

East Departure Routing



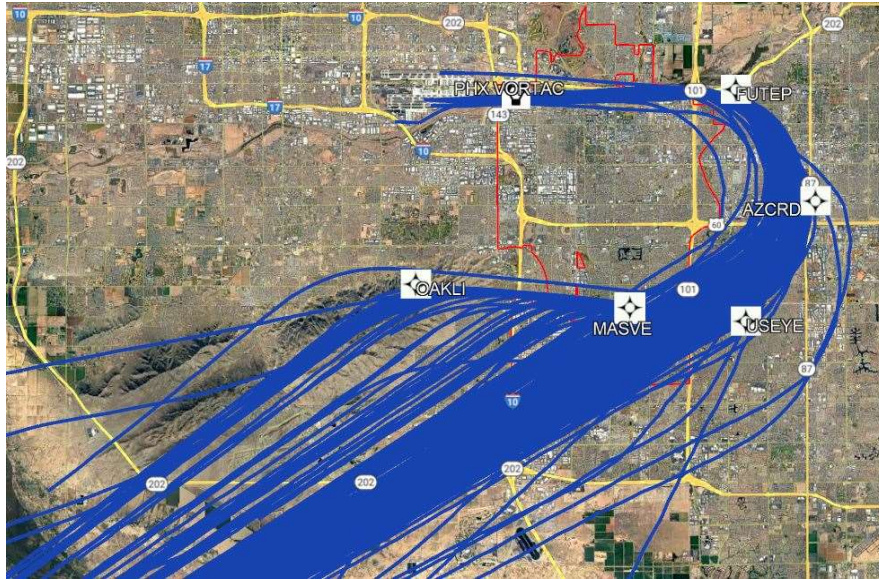
East departure routes without the Tempe SPRKY fly-over on the chart

16

16

FYRBD RNAV SID

March 2024



17

17

KEENS RNAV SID

March 2024



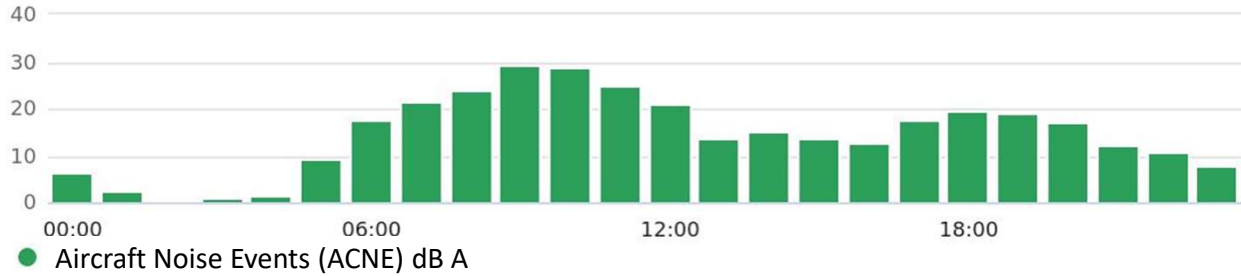
18

18

Jaycee Park NMS



ACNE AVERAGE PER HOUR

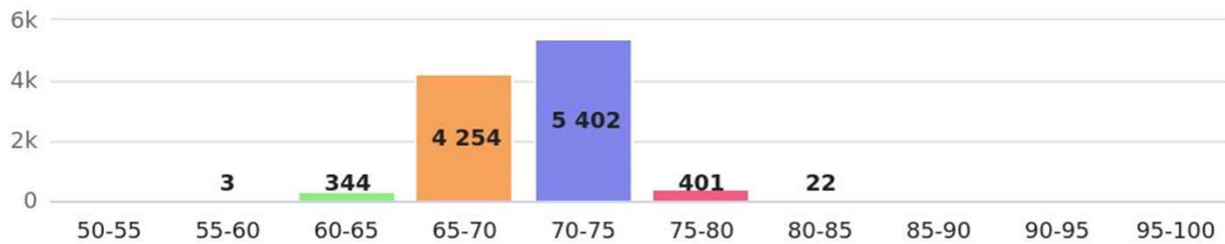


19

Jaycee Park NMS



AIRCRAFT NOISE EVENTS
NMT 10, 01-03-2024 - 31-03-2024



20

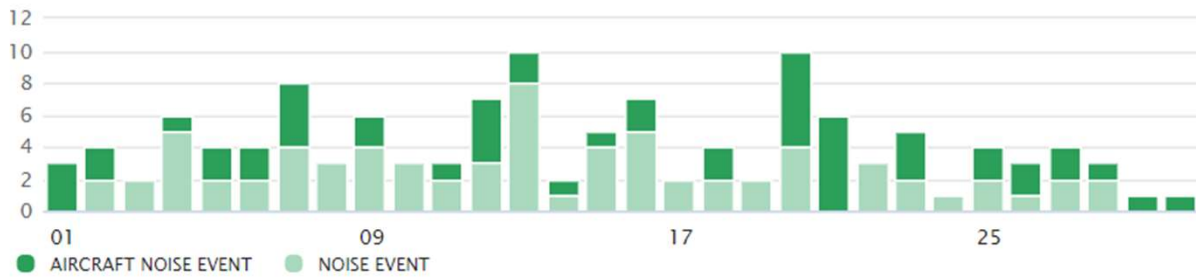
Garfield/McAllister NMS



NE/ACNE



NMT 13 - PHX-13, 01-03-2024 - 31-03-2024



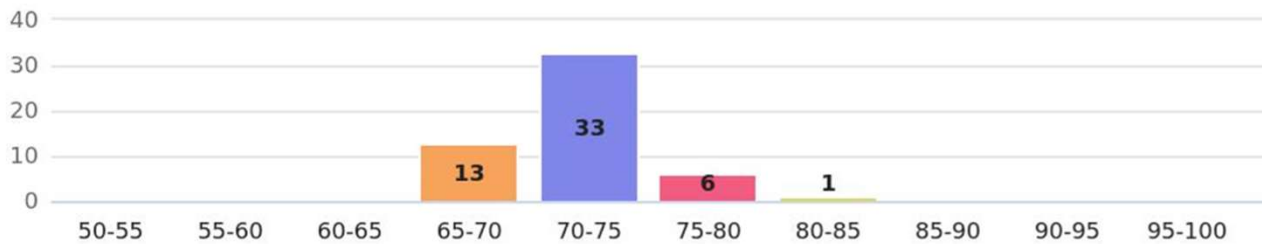
21

21

Garfield/McAllister NMS



AIRCRAFT NOISE EVENTS
NMT 13, 01-03-2024 - 31-03-2024



22

22