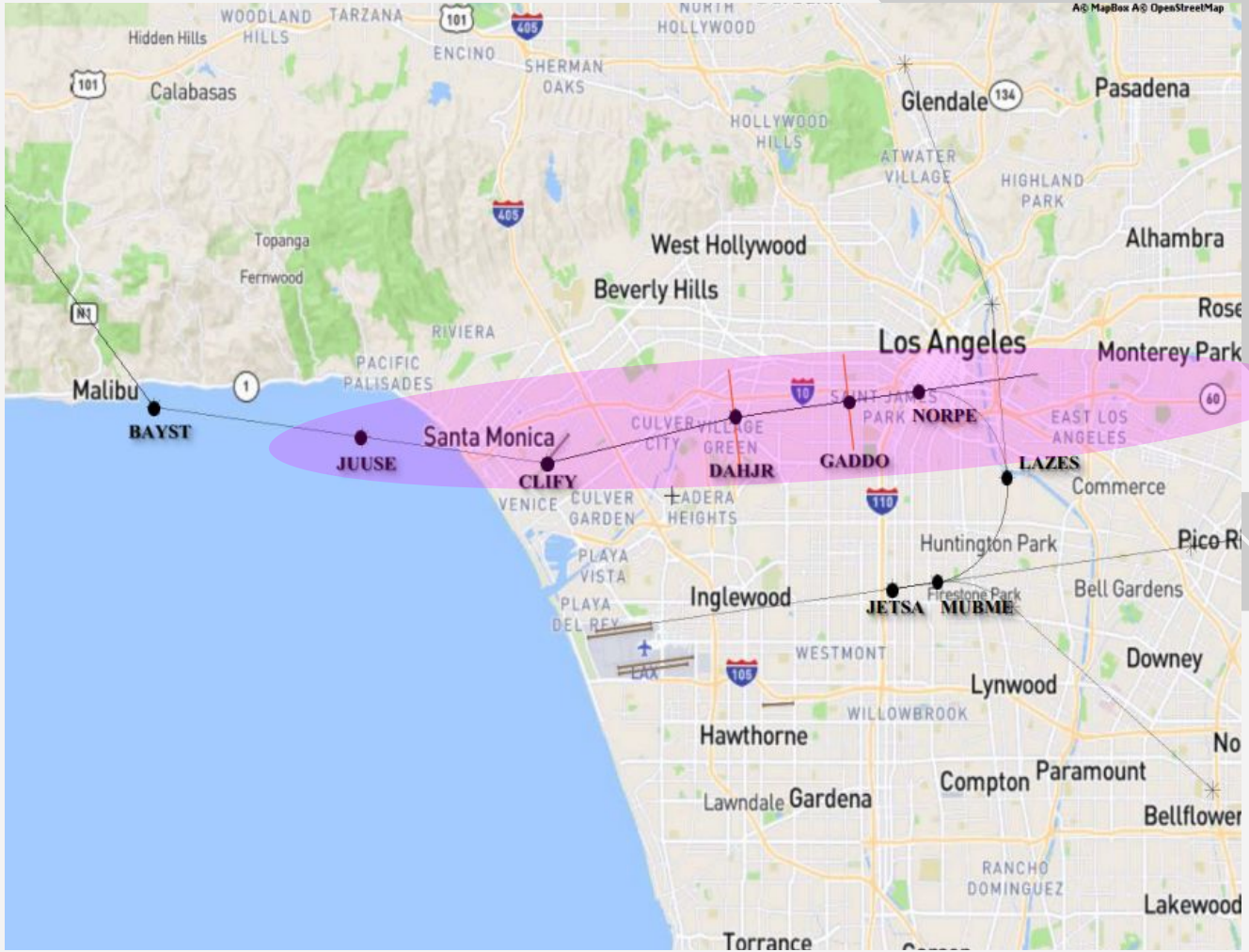
LAX Metroplex / Wide Area Ad Hoc Committee

LAX Community Noise Roundtable
March 2019

1. North Downwind Arrival Flight Paths
2. DAHJR Flight Data - 24 hours
3. DAHJR - 0100 to 0500 hours
4. GADDO Flight Data - 24 hours
5. JUUSE, CLIFY Heat Maps
6. FAA Commitments - DAHJR, Roundtable
7. Formal Reporting Request - DAHJR 0100 to 0500



1. North Downwind Arrival Flight Paths

Area in **pink** affected by North Downwind Arrival and has been studied more extensively in prior and current initiatives undertaken by the Metroplex Ad Hoc Committee of the LAX Community Noise Roundtable

2. 6000 Foot Alt +/- 300 at DAHJR - 24 hours

ANOMS Gate Penetration - DAHJR
September 1-30, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	797	8.4%		
6000-6299	2456	25.8%		
5700-5999	2837	29.8%	64.1%	
5500-5699	1268	13.3%	35.9%	
5000-5499	1606	16.9%		94.3%
4500-4999	429	4.5%		
4000-4499	79	0.8%		99.6%
3500-3999	25	0.3%		
3000-3499	8	0.1%		100.0%
2500-2999	2	0.0%		
<2500	0	0.0%		100.0%
Grand Total	**9507**	**100%**		

Prepared by: LAWA Noise Management
*Data source: LAX ANOMS

ANOMS Gate Penetration - DAHJR
October 1-31, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	591	6.4%		
6000-6299	2193	23.8%		
5700-5999	2673	29.0%	59.2%	
5500-5699	1203	13.1%	40.8%	
5000-5499	1774	19.3%		91.5%
4500-4999	598	6.5%		
4000-4499	145	1.6%		99.6%
3500-3999	27	0.3%		
3000-3499	7	0.1%		100.0%
2500-2999	1	0.0%		
<2500	1	0.0%		100.0%
Grand Total	**9213**	**100%**		

Prepared by: LAWA Noise Management
*Data source: LAX ANOMS

ANOMS Gate Penetration - DAHJR
November 1-30, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	727	8.2%		
6000-6299	2124	23.9%		
5700-5999	2463	27.7%	59.8%	
5500-5699	1169	13.2%	40.2%	
5000-5499	1660	18.7%		91.6%
4500-4999	517	5.8%		
4000-4499	173	1.9%		99.4%
3500-3999	37	0.4%		
3000-3499	11	0.1%		100.0%
2500-2999	4	0.0%		
<2500	0	0.0%		100.0%
Grand Total	**8885**	**100%**		

Prepared by: LAWA Noise Management
*Data source: LAX ANOMS

ANOMS Gate Penetration - DAHJR
December 1-31, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	711	8.3%		
6000-6299	2061	24.2%		
5700-5999	2429	28.5%	61.0%	
5500-5699	1072	12.6%	39.0%	
5000-5499	1572	18.4%		92.0%
4500-4999	488	5.7%		
4000-4499	142	1.7%		99.4%
3500-3999	35	0.4%		
3000-3499	15	0.2%		99.9%
2500-2999	5	0.1%		
<2500	0	0.0%		100.0%
Grand Total	**8530**	**100%**		

Prepared by: LAWA Noise Management
*Data source: LAX ANOMS

2. 6000 Foot Alt +/- 300 at DAHJR - 24 hours

ANOMS Gate Penetration - DAHJR
January 1-31, 2019

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	552	7.6%		
6000-6299	1636	22.5%		
5700-5999	1958	26.9%	56.9%	
5500-5699	979	13.4%	43.1%	
5000-5499	1423	19.5%		89.9%
4500-4999	522	7.2%		
4000-4499	156	2.1%		99.2%
3500-3999	50	0.7%		
3000-3499	10	0.1%		100.0%
2500-2999	1	0.0%		
<2500	0	0.0%		100.0%
Grand Total	**7287**	**100%**		

Prepared by: LAWA Noise Management
*Data source: LAX ANOMS

ANOMS Gate Penetration - DAHJR
February 1-28, 2019

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	765	9.9%		
6000-6299	1996	25.9%		
5700-5999	2214	28.7%	64.6%	
5500-5699	968	12.6%	35.4%	
5000-5499	1251	16.2%		93.4%
4500-4999	368	4.8%		
4000-4499	98	1.3%		99.4%
3500-3999	34	0.4%		
3000-3499	8	0.1%		99.9%
2500-2999	4	0.1%		
<2500	0	0.0%		100.0%
Grand Total	**7706**	**100%**		

Prepared by: LAWA Noise Management
*Data source: LAX ANOMS

3. DAHJR - 0100 to 0500 hours

Oct 2018

Altitude MSL (ft)	Hour 0	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Grand Total
>6000	15	5	2	5	14	36	**77**
5750-6000	18	2	1	7	7	10	**45**
5500-5749	6	1	1	2	1	7	**18**
5250-5499	2	1	2	2	0	4	**11**
5000-5249	5	0	2	2	1	4	**14**
4750-4999	1	1	0	0	0	0	**2**
<4750	1	1	0	0	2	2	**6**
Grand Total	**48**	**11**	**8**	**18**	**25**	**63**	**173**

Prepared by: LAWA Noise Management
Data Source : LAX ANOMS

3. DAHJR - 0100 to 0500 hours

Nov 2018

Altitude MSL (ft)	Hour 0	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Grand Total
>6000	24	13	11	9	58	72	**187**
5750-6000	13	4	3	0	9	19	**48**
5500-5749	6	0	1	1	2	6	**16**
5250-5499	3	2	1	1	2	8	**17**
5000-5249	2	1	1	1	1	3	**9**
4750-4999	3	0	0	0	0	0	**3**
<4750	6	1	0	0	2	6	**15**
Grand Total	**57**	**21**	**17**	**12**	**74**	**114**	**295**

Dec 2018

Altitude MSL (ft)	Hour 0	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Grand Total
>6000	27	10	8	6	28	48	**127**
5750-6000	13	1	2	1	15	32	**64**
5500-5749	11	1	0	1	7	10	**30**
5250-5499	6	0	2	0	8	3	**19**
5000-5249	6	0	1	0	3	4	**14**
4750-4999	0	0	0	0	1	2	**3**
<4750	2	0	0	1	0	3	**6**
Grand Total	**65**	**12**	**13**	**9**	**62**	**102**	**263**

Prepared by: LAWA Noise Management
Data Source : LAX ANOMS

3. DAHJR - 0100 to 0500 hours

Jan 2019

Altitude MSL (ft)	Hour 0	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Grand Total
>6000	10	6	6	4	3	13	**42**
5750-6000	6	2	0	0	5	6	**19**
5500-5749	9	0	1	1	2	3	**16**
5250-5499	2	0	1	0	3	4	**10**
5000-5249	2	0	0	1	0	0	**3**
4750-4999	1	0	0	1	0	1	**3**
<4750	2	0	0	2	0	1	**5**
Grand Total	**32**	**8**	**8**	**9**	**13**	**28**	**98**

Feb 2019

Altitude MSL (ft)	Hour 0	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Grand Total
>6000	10	4	3	1	7	9	**34**
5750-6000	5	0	0	4	1	2	**12**
5500-5749	3	0	0	0	3	2	**8**
5250-5499	2	1	0	0	1	0	**4**
5000-5249	1	0	0	1	0	2	**4**
4750-4999	24	6	11	2	26	40	**109**
<4750	1	0	0	0	0	3	**4**
Grand Total	**46**	**11**	**14**	**8**	**38**	**58**	**175**

Prepared by: LAWA Noise Management
Data Source : LAX ANOMS

4. 6000 Foot Alt +/- 300 at GADDO - 24 hours

ANOMS Gate Penetration - GADDO
September 1-30, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	55	1%		
6000-6299	227	2%		
5700-5999	526	6%	8.5%	
5500-5699	462	5%	91.5%	
5000-5499	2454	26%		39.2%
4500-4999	2841	30%		
4000-4499	1784	19%		88.0%
3500-3999	790	8%		
3000-3499	264	3%		99.1%
2500-2999	84	1%		
<2500	5	0%		100.0%
Grand Total	**9492**	**100%**		

ANOMS Gate Penetration - GADDO
October 1-31, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	47	0.5%		
6000-6299	151	1.6%		
5700-5999	448	4.9%	7.0%	
5500-5699	389	4.2%	93.0%	
5000-5499	2166	23.5%		34.8%
4500-4999	2633	28.6%		
4000-4499	1888	20.5%		83.9%
3500-3999	948	10.3%		
3000-3499	419	4.6%		98.8%
2500-2999	107	1.2%		
<2500	5	0.1%		100.0%
Grand Total	**9201**	**100%**		

ANOMS Gate Penetration - GADDO
November 1-30, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	67	0.8%		
6000-6299	184	2.1%		
5700-5999	459	5.2%	8.0%	
5500-5699	372	4.2%	92.0%	
5000-5499	2053	23.1%		35.3%
4500-4999	2581	29.1%		
4000-4499	1744	19.7%		84.1%
3500-3999	907	10.2%		
3000-3499	359	4.0%		98.4%
2500-2999	142	1.6%		
<2500	4	0.0%		100.0%
Grand Total	**8872**	**100%**		

ANOMS Gate Penetration - GADDO
December 1-31, 2018

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes
>6300	43	0.5%		
6000-6299	163	1.9%		
5700-5999	438	5.1%	7.6%	
5500-5699	415	4.9%	92.4%	
5000-5499	1937	22.8%		35.2%
4500-4999	2380	28.0%		
4000-4499	1696	19.9%		83.1%
3500-3999	907	10.7%		
3000-3499	408	4.8%		98.5%
2500-2999	121	1.4%		
<2500	6	0.1%		100.0%
Grand Total	**8514**	**100%**		

4. 6000 Foot Alt +/- 300 at GADDO - 24 hours

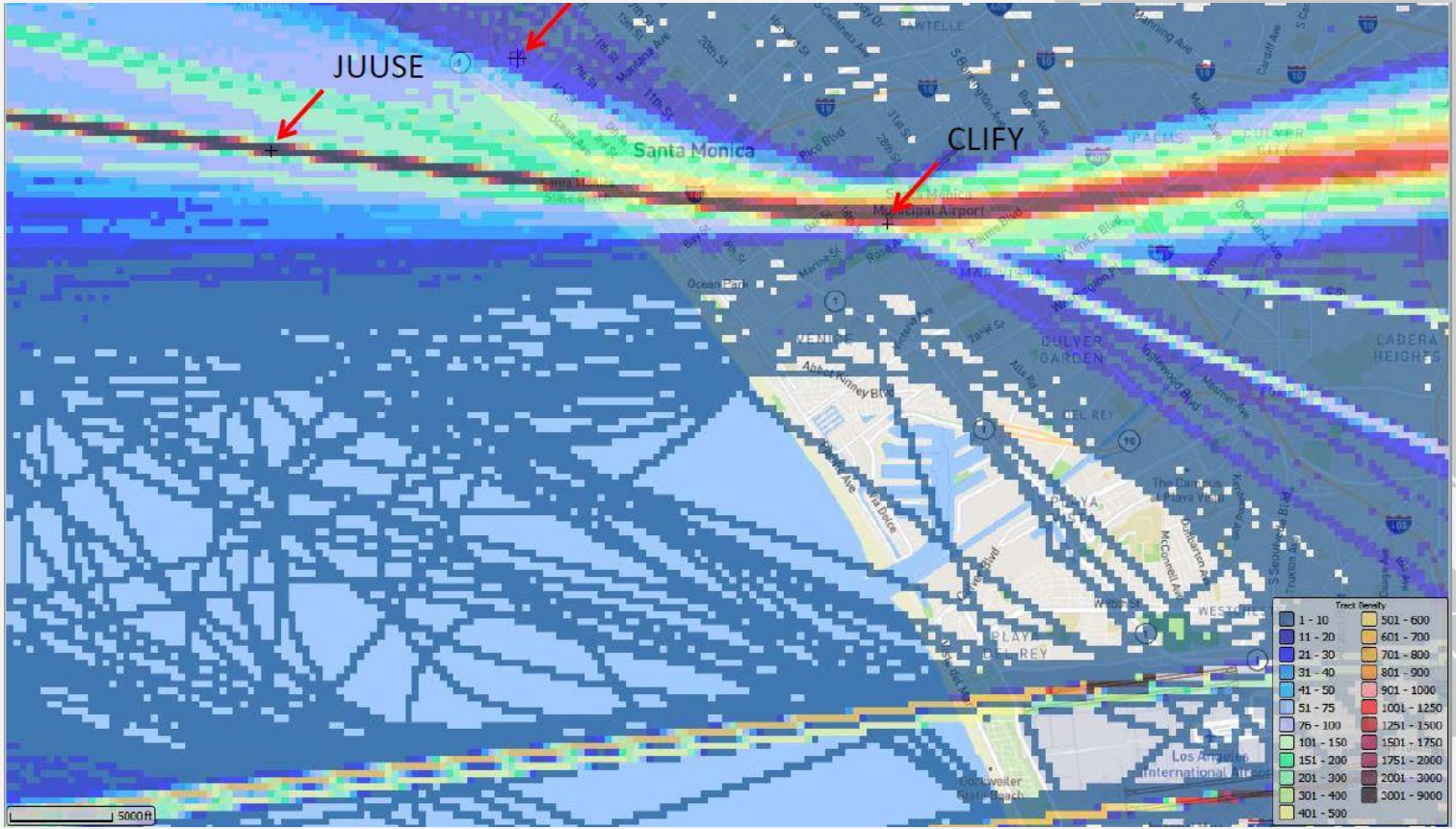
ANOMS Gate Penetration - GADDO
January 1-31, 2019

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes			
>6300	41	0.6%					
6000-6299	120	1.6%					
5700-5999	335	4.6%	6.8%				
5500-5699	320	4.4%	93.2%				
5000-5499	1572	21.6%					32.8%
4500-4999	1992	27.4%					
4000-4499	1577	21.7%				81.9%	
3500-3999	799	11.0%					
3000-3499	375	5.2%			98.0%		
2500-2999	138	1.9%					
<2500	5	0.1%		100.0%			
Grand Total	**7274**	**100%**					

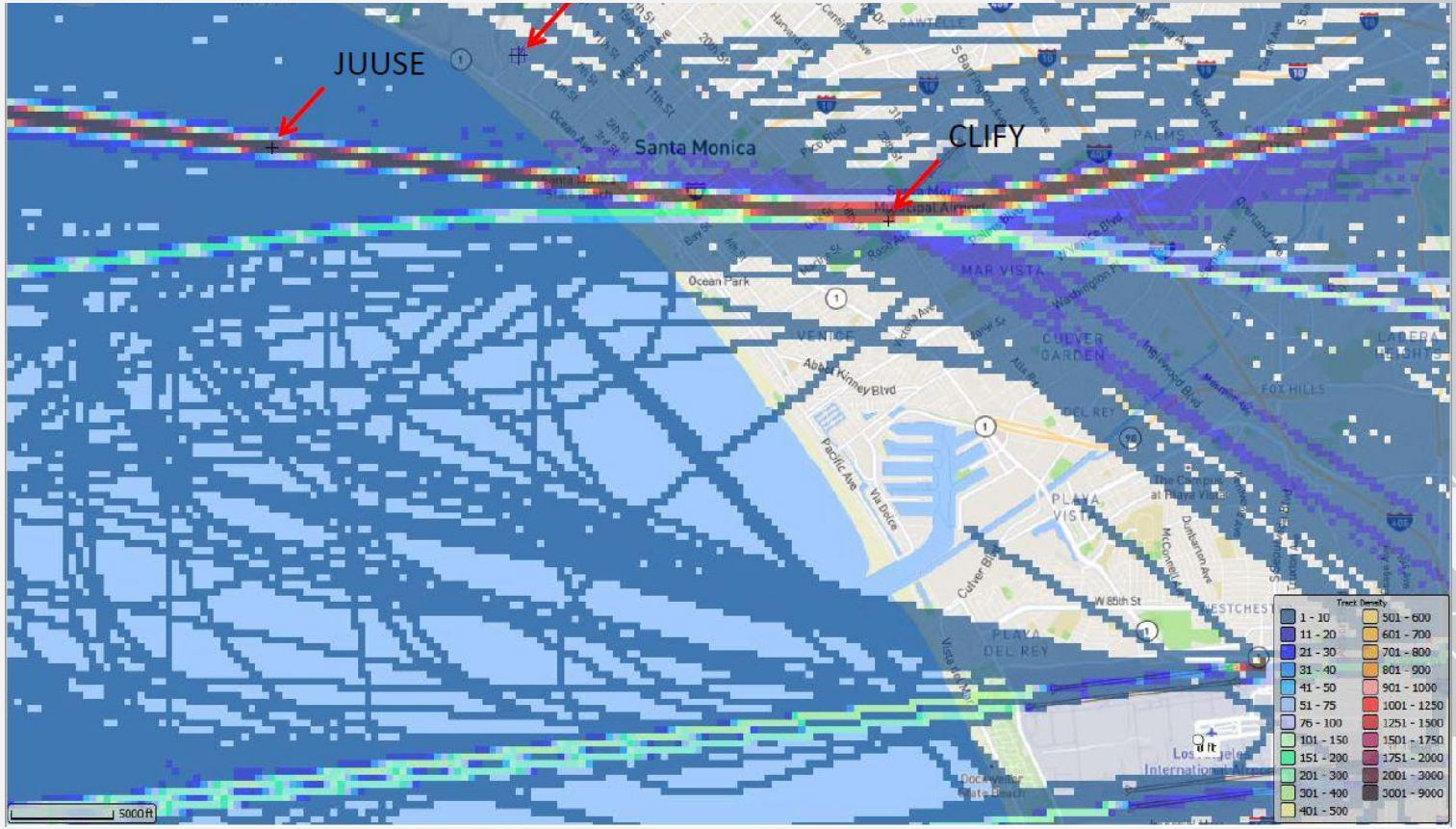
ANOMS Gate Penetration - GADDO
February 1-28, 2019

Altitude MSL (ft)	Count of Ops*	% of Ops	% of Ops Between Altitudes	% of Ops At or Above Altitudes			
>6300	66	0.9%					
6000-6299	156	2.0%					
5700-5999	437	5.7%	8.6%				
5500-5699	440	5.7%	91.4%				
5000-5499	1984	25.8%					40.1%
4500-4999	2145	27.9%					
4000-4499	1387	18.0%				86.0%	
3500-3999	676	8.8%					
3000-3499	314	4.1%			98.8%		
2500-2999	83	1.1%					
<2500	7	0.1%		100.0%			
Grand Total	**7695**	**100%**					

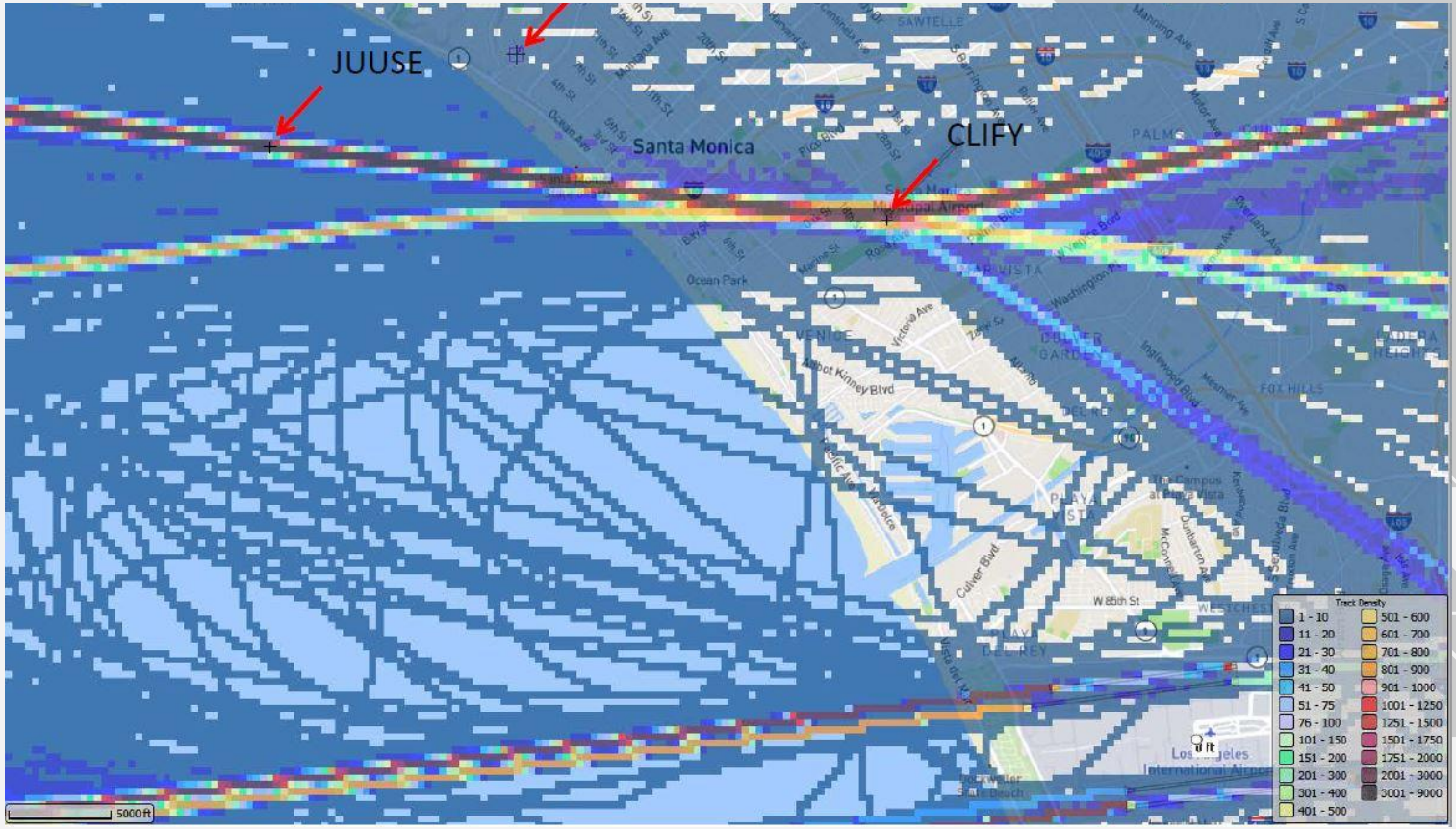
5. JUUSE, CLIFY Heat Maps - Pre-Metroplex | Jan 2017



5. JUUSE, CLIFY Heat Maps - Post-Metroplex | Jan 2018



5. JUUSE, CLIFY Heat Maps - Post-Metroplex | Jan 2019



6. FAA Commitments - DAHJR, Roundtable

- As of August 30, all nighttime flights between 0100 and 0500 are assigned a minimum height of 5000 feet or above at DAHJR, per previous communications here
- FAA has agreed to revise the 5000 foot guidance to 6000 between 0100 and 0500 (AM) hours and will implement **this month**
- Ad Hoc expressed wish for additional analysis with an eventual goal to extend night time height restrictions beyond 0100 to 0500 in hour increments 0000 to 0100, 0500 to 0600, etc.
- FAA will be attending Roundtable meetings going forward

7. Formal Reporting Request - DAHJR 0100 to 0500

February 27, 2019

Jodi S. McCarthy
Vice President, Mission Support Services
FAA Air Traffic Organization
800 Independence Ave, SW.
Washington, DC 20591

Re: FAA Support for LAX/Community Noise Roundtable

Dear Ms. McCarthy,

We are heartened by your January 17, 2019 letter to Los Angeles City Council President Herb Wesson and Councilmembers Marqueece Harris-Dawson and Mike Bonin committing to address specific issues along the LAX north downwind arrival flight-track. Critical to any successful path forward, FAA support is needed to reduce noise for constituents who are frustrated with slow progress. The LAX Community Noise Roundtable has prioritized reducing and resolving noise issues for thousands of constituents along this flight-track. It is our hope that your commitment to action creates a model for future flight-track resolutions.

Thank you for the dedication of the newly assigned team under Mr. John Nelson, FAA District Manager for Operations. We request allocation of necessary resources to his group to assist our Metroplex Ad Hoc Committee in addressing and achieving noise reduction measures. Please authorize Mr. Nelson to continue participating in the Ad Hoc Metroplex meetings and reaffirm his ability to agree to data review and evaluation requests as identified by FAA or from our Metroplex Ad Hoc Committee Chair, Geoff Thompson, to address flight-track height and dispersion issues. In our last Metroplex Ad Hoc meeting FAA Staff John Nelson and James Kosanovich requested we document formal reporting commitments the FAA made to the Metroplex Ad Hoc Committee under Michael Valencia related to north downwind flight-tracks you mentioned in your January 17 letter.

As a reminder this is your commitment to keep aircraft at or above 5000 feet for now and 6000 feet from March 2019 onward at the DAHJR waypoint when aircraft have diverted from Over Ocean Operations at LAX between 1 AM and 5 AM. Since we have not yet achieved this goal, each month LAWA staff compiles instances where flights do not meet this guidance. As a necessary measure, the FAA should continue research into specific reasons and Air Traffic Control (ATC) actions that may account for aircraft failing to meet this altitude limit. This requires FAA review of ATC audio recordings and other information to determine the cause for each flight below 6,000 ft.

To achieve this LAWA staff will send documentation to John Nelson several days after the end of each calendar month with documented instances when flights passing over DAHJR between 0100 and 0500 fly below 6000 feet. Prior promises to the Metroplex Ad Hoc members from FAA staff Michael Valencia included taking this short list and without delay, pulling the audio records

of the interactions between ATC and the pilots flying these planes. Incumbent on the FAA is not only pulling these audio records but also listening to them to help determine why height guidance over DAHJR was not met. Action would need to be taken quickly at the beginning of each month by FAA staff so as to avoid the 45-day expiry window for FAA audio recordings. Though addressing height guidance of 6000 feet over DAHJR all day and night is the ultimate goal, Metroplex Ad Hoc Committee leadership and FAA leadership at the time agreed that focusing on a finite window with a relatively low amount of flights was possible and would be impactful since 1 AM to 5 AM is when sleep patterns are most easily disrupted for our constituents.

We are therefore reiterating the following request to you and your staff: toward the beginning of each month FAA staff under John Nelson will take a list of LAWA-compiled flights flying below 6000 feet over the DAHJR waypoint between 1 AM and 5 AM, pull and save audio records between ATC and the pilots flying these low-flying jets, and on a bi-monthly basis provide to the Metroplex Ad Hoc Committee a summary for each instance as to why the height guidance was not met. FAA staff is requested to have this information ready for presentation in each Metroplex Ad Hoc Committee meeting going forward.

Thank you again for your continued support to resolve these complex, on-going issues. It is only through diligence, shared goals, and strong communication between LAX Community Noise Roundtable, LAWA, and the FAA that we can achieve a better outcome for all involved.

Sincerely,

Denny Schneider, Chair
LAX/Community Noise Roundtable

cc: Raquel Girvin, FAA Regional Administrator
John Nelson, FAA
Roundtable Members