

Community Noise Forum
Monday, September 26, 2016
Agenda

- I. Call to order: 6:00PM
- II. Minutes of May 23, 2016.
- III. NEM Update: HMMH
- IV. Part 150 NCP
 - A. Update: Noise Insulation Program
 - B. Contraflow Exceptions
- V. Current Noise Concerns
 - A. Noise Concerns/Complaints
 - B. Runway Utilization
 - C. Construction and Maintenance Activity
- VI. Announcements
- VII. Next Meeting: November 28, 2016,
- VIII. Adjournment

COMMUNITY NOISE FORUM (CNF)
Monday, May 23, 2016

Members

John Sistarenik, ANA
Tom Foote, Airline Affairs
Mary Rose Evans, LRAA Board
Brian Sinnwell, LRAA
Bob Slattery, LRAA

Verna Goatley, Metro
John Greathouse, Southwest (Alt)
Denny Thompson, Southeast
Mike Zanone, Northwest
Pat Gould, Northeast

Guests

Nancy Bowman-Denton, BNA
Tom Denton, BNA
Betsey Ruhe, BNA

Diana Wasiuk, HMMH
Justin Divens, HMMH

The meeting was called to order at 6:00 p.m. by John Sistarenik. A motion to approve the meeting notes for the March meeting as written was made by Verna Goatley and seconded by Mike Zanone.

Diana Wasiuk and Justin Divens, from HMMH, presented the group with an update on the Noise Exposure Maps. The presentation focused on progress to date, non-standard requests sent to FAA for review, modeling assumptions, and next steps. A copy of the presentation is posted online with the May 2016 meeting handout.

Part 150 NCP:

- A. Update: University of Louisville:** Acoustical testing was conducted on 13 Belknap campus buildings during the week of spring break (March 12-20). A second round of testing was completed April 29-May 4 on 6 additional buildings. A third round of testing, tentatively scheduled for August, will include 5 buildings.
- B. Contraflow Exceptions:** Contraflow for March was 63% **for arrivals** from the south and 77% **for departures** to the south. In April, **arrivals** from south were 86% and **departures** to the south were 73%. A daily summary for March and April is contained in the handout. The 2 year average (May 2014-April 2016) for contraflow is 73% for arrivals and 79% for departures. A monthly summary going back 8 years is also included in the handout.

Current Noise Concerns:

- A. Report on Noise Concerns/Complaints:** We received a total of 39 comments in March. 11 comments were received at the QHP project office and 28 were received by the LRAA. In April, a total of 16 comments were received. 6 were received at the QHP project office and 10 were received by the LRAA. In March a cluster of comments were received from the Old Louisville area. This was attributed to several days and nights in south flow due to weather conditions and an Old Louisville neighborhood meeting.
- B. Runway Utilization:** Runway utilization percentages for March and April are contained in the handout. Daily runway utilization and comments from the Air Traffic Control Tower for both months are also included in the handout.
- C. Construction and Maintenance Activity:** Brian Sinnwell reported that currently there are no active construction projects.

Announcements: Mary Rose Evans announced Bill (HB-423) passed the House and Senate and was vetoed by the Governor.

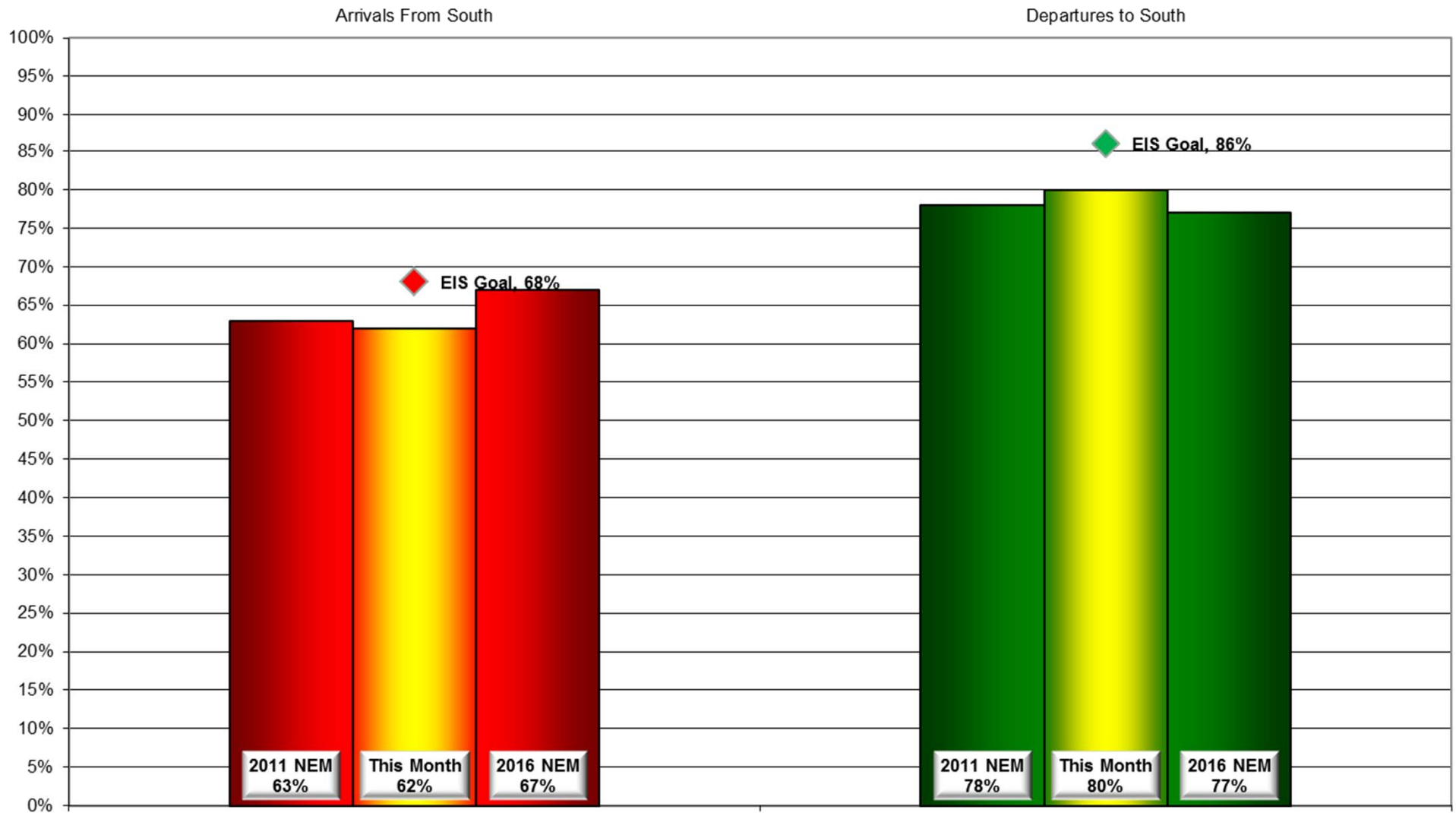
Guest Comments: Tom Denton asked if the NEMs include the new sound wall that was built to replace the Berm that was taken down. He states that the sound wall is not the same as the Berm and is 3 feet below the level of the tarmac. He states there is an increased amount of noise since the expansion of the taxiway and Crittenden Drive. Diana Wasiuk of HMMH explained that the noise models do not account for sound walls or any sort of sound barrier. The results (contours) that you see are conservative in that they are not muffled. So the results you would see before and after are the same.

Nancy Bowman-Denton commented that since the new taxiway was completed and Crittenden Drive relocated there has been an increase of noise in the neighborhood. Bob Slattery explained that any changes that have occurred will be reflected in the new Noise Exposure Maps.

Next Meeting: Monday, July 25, 2016 at 6 p.m.

Adjournment: A motion was made to adjourn the meeting at 7:00 p.m.

Monthly Contraflow May 1-31, 2016



Daily Runway Use Summary – May 2016

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

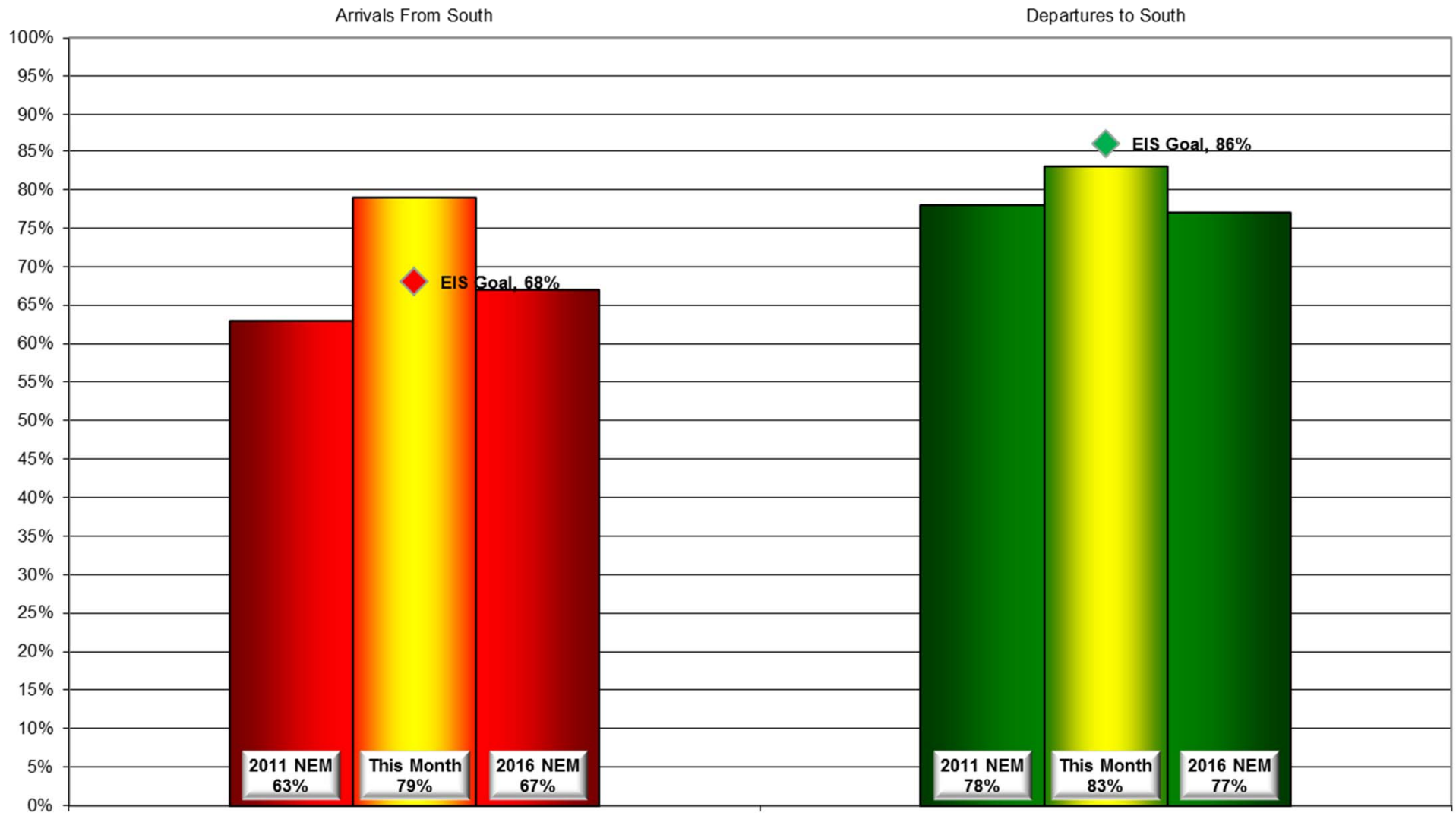
		% of all arrivals from the south										% of all departures to the south											
Date	Day	* in	Runway #							Unknown	Notes / Comments	** in	Runway #							Unknown	Notes / Comments		
		compliance	11	17L	17R	29	35L	35R	Runway	Use			compliance	11	17L	17R	29	35L	35R	Runway		Use	
05/02/16	Mon	83%			9	8			51	32	0		87%			30	57			6	7	0	
05/03/16	Tue	2%			39	59				2	0	210-280@4-5knts	100%			42	58					0	
05/04/16	Wed	100%							60	40	0		26%			7	19			40	34	0	280-330@4-14knts,G18,RA
05/05/16	Thu	100%							54	46	0		0%						64	36	0	330-350@5-9knts	
05/06/16	Fri	96%			1	3			55	41	0		94%			37	57			2	4	0	
05/07/16	Sat																						
05/08/16	Sun																						
05/09/16	Mon	0%			44	56					0	130-190@4-8knts	99%			37	62			1		0	
05/10/16	Tue	4%			38	58			3	1	0	320-020@3-5knts,TSRA	100%			35	65					0	
05/11/16	Wed	7%			35	58			6	1	0	310-100@5-13knts,G19,TSR	99%			42	57				1	0	
05/12/16	Thu	100%							62	38	0		0%						54	46	0	290-300@7-9knts	
05/13/16	Fri	0%			51	49					0	180-220@4-8knts	93%			32	61			3	4	0	
05/14/16	Sat																						
05/15/16	Sun																						
05/16/16	Mon	98%			2				52	46	0		94%			38	56			3	3	0	
05/17/16	Tue	100%							58	42	0		0%						58	42	0	360-010@6-10knts,RA	
05/18/16	Wed	98%			1	1			57	41	0		93%			35	58			3	4	0	
05/19/16	Thu	95%			4	1			60	35	0		96%			32	64			1	3	0	
05/20/16	Fri	92%			4	4			58	34	0		97%			39	58			1	2	0	
05/21/16	Sat																						
05/22/16	Sun																						
05/23/16	Mon	97%			2	1			64	33	0		92%			34	58			6	2	0	
05/24/16	Tue	95%			2	2		1	58	37	0		95%			37	58			2	3	0	
05/25/16	Wed	0%			42	58					0	170-200@6-10knts	100%			40	60					0	
05/26/16	Thu	4%			40	56			2	2	0	130-180@4-7knts	100%			42	58					0	
05/27/16	Fri	0%			39	61					0	150-170@4-13knts,RA	100%			37	63					0	
05/28/16	Sat																						
05/29/16	Sun																						
05/30/16	Mon	98%			2				69	29	0		99%			33	66			1		0	
05/31/16	Tue	93%			4	3			54	39	0		95%			37	58			4	1	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 June 1-30, 2016



Daily Runway Use Summary – June 2016

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

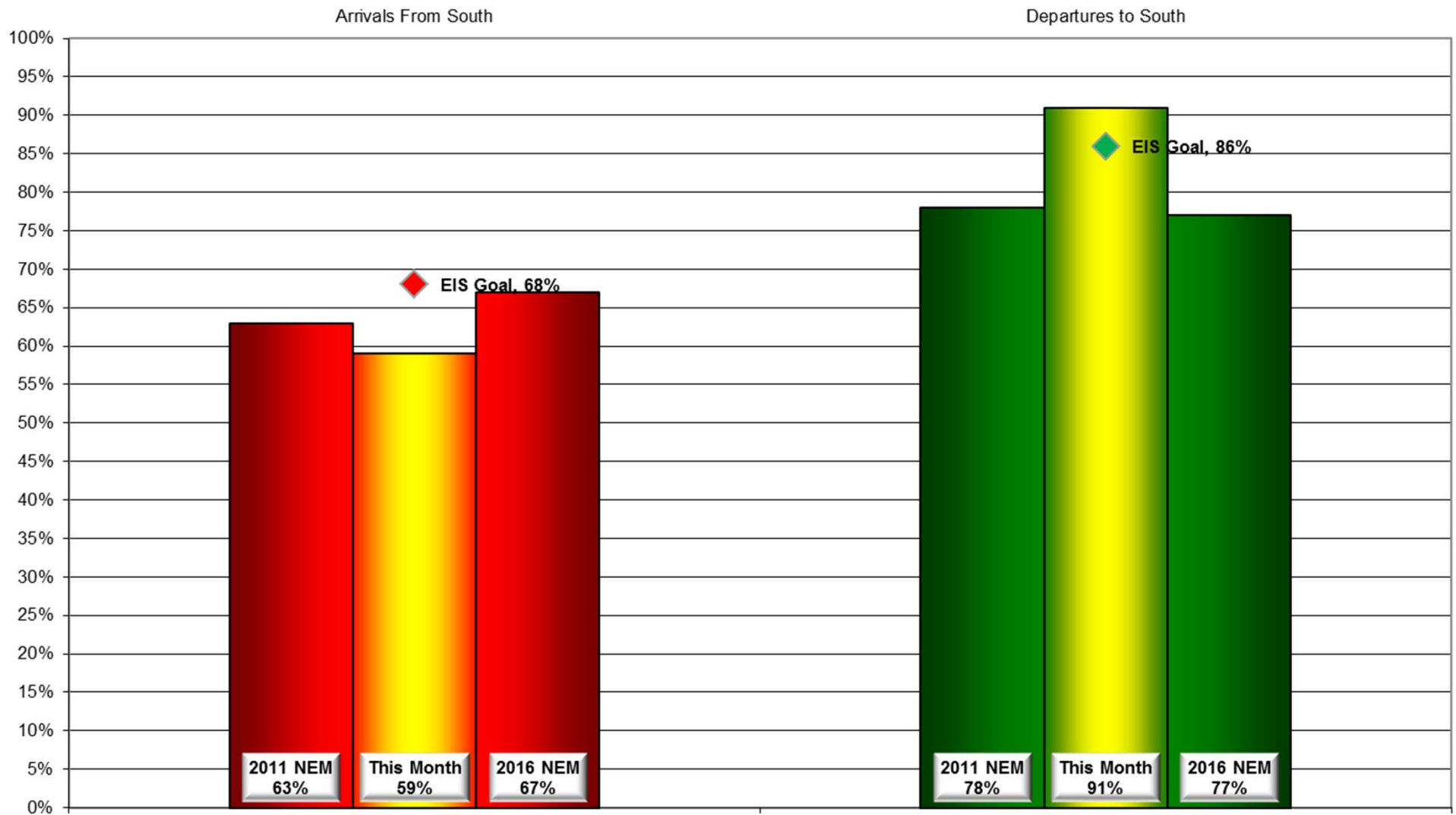
		% of all arrivals from the south										% of all departures to the south									
Date	Day	* in compliance	Runway #						Unknown Runway Use	Notes / Comments		** in compliance	Runway #						Unknown Runway Use	Notes / Comments	
			11	17L	17R	29	35L	35R					11	17L	17R	29	35L	35R			
06/01/16	Wed	69%			12	19			39	30	0	060-170@5-10knts						1		0	
06/02/16	Thu	97%			1	2			63	34	0							10	3	0	
06/03/16	Fri	90%			6	4			57	33	0							1	7	0	
06/04/16	Sat																				
06/05/16	Sun																				
06/06/16	Mon	97%			2	1			60	37	0							38	32	0	170-300@4-12knts
06/07/16	Tue	98%			1	1			63	35	0							2	7	0	
06/08/16	Wed	95%			3	2			59	36	0							2	5	0	
06/09/16	Thu	96%			3	1			59	37	0							3	3	0	
06/10/16	Fri	95%			3	2			61	34	0							2	6	0	
06/11/16	Sat																				
06/12/16	Sun																				
06/13/16	Mon	96%			2	2			61	35	0							4	2	0	
06/14/16	Tue	94%			3	3			61	33	0							3	5	0	
06/15/16	Wed	1%			38	61			1		0	200-230@4-8knts								0	
06/16/16	Thu	100%							59	41	0							64	36	0	360-010@6-12knts,G18
06/17/16	Fri	92%			6	2			57	35	0							1	3	0	
06/18/16	Sat																				
06/19/16	Sun																				
06/20/16	Mon	35%			25	40			25	10	0	210-230@6-11knts						2	1	0	
06/21/16	Tue	98%			1	1			58	40	0							6	4	0	
06/22/16	Wed	0%			49	51					0	210@7-12knts								0	
06/23/16	Thu	0%			42	58					0	050-190@6-10knts,TSRA					1			0	
06/24/16	Fri	90%			6	4			53	37	0							5	5	0	
06/25/16	Sat																				
06/26/16	Sun																				
06/27/16	Mon	97%			3				61	36	0							6	4	0	
06/28/16	Tue	100%							64	36	0							60	32	0	010-020@5-7knts
06/29/16	Wed	99%				1			61	38	0							4	3	0	
06/30/16	Thu	96%			3	1			63	33	0							2	3	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 July 1-29, 2016



Daily Runway Use Summary – July 2016

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

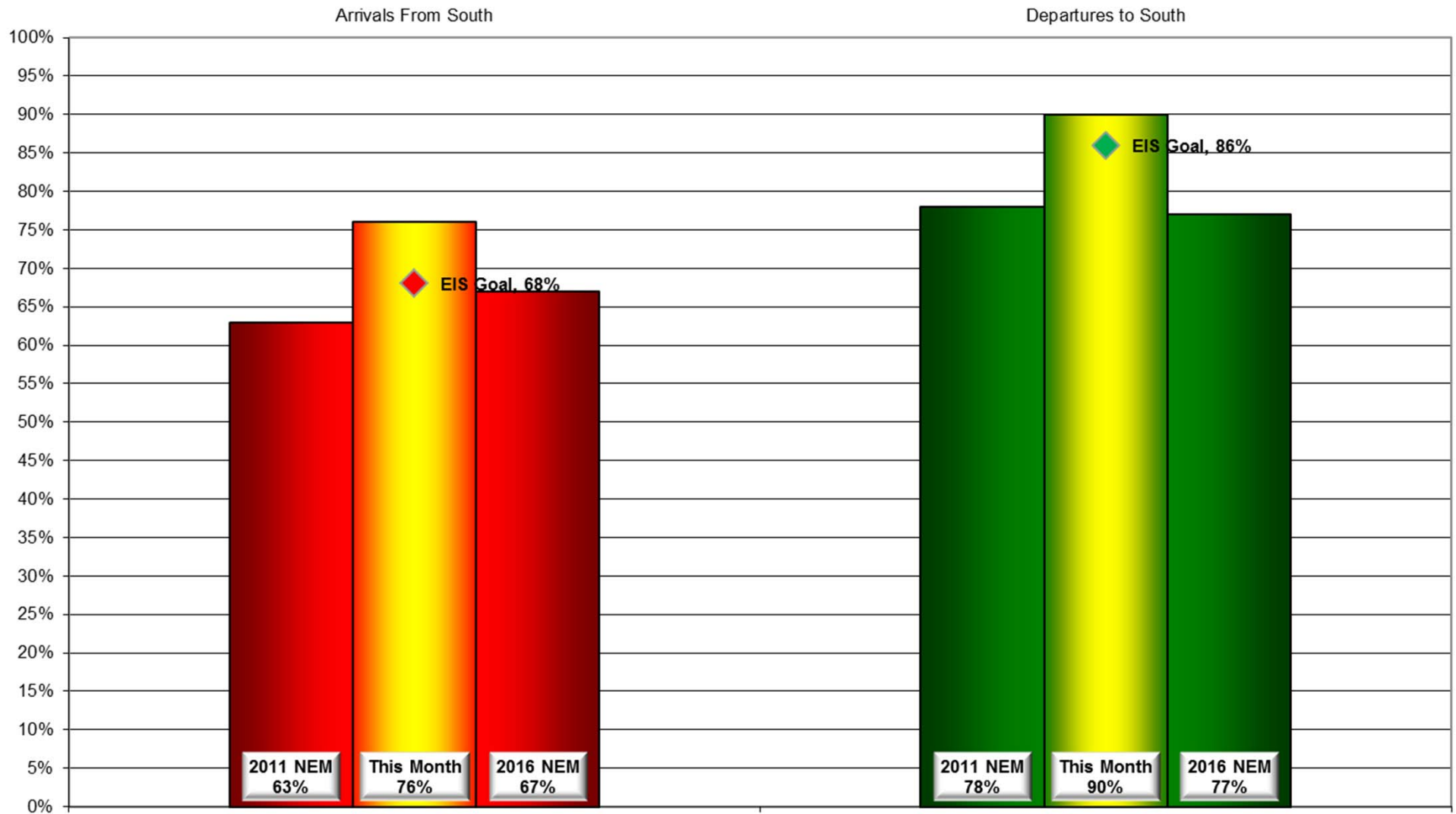
		% of all arrivals from the south										% of all departures to the south												
Date	Day	* in	Runway #							Unknown	Notes / Comments	** in	Runway #							Unknown	Notes / Comments			
		compliance	11	17L	17R	29	35L	35R	Use	compliance			11	17L	17R	29	35L	35R	Use					
07/01/16	Fri	100%						66	34	0		3%			1	2			45	52	0	360-010@5-7knts		
07/02/16	Sat																							
07/03/16	Sun																							
07/04/16	Mon	95%				5			81	14	0	99%			37	62				1	0			
07/05/16	Tue	98%				1	1			59	39	0	94%			34	60			3	3	0		
07/06/16	Wed	0%				46	54				0	210-260@7-11knts,RA	100%			38	62					0		
07/07/16	Thu	97%				2	1			60	37	0	97%			33	64			2	1	0		
07/08/16	Fri	29%				26	45			17	12	0	230-280@4-14knts,G31,RA	95%			30	65			5	0		
07/09/16	Sat																							
07/10/16	Sun																							
07/11/16	Mon	0%				44	56				0	150-200@5-7knts	100%			38	62					0		
07/12/16	Tue	0%				43	57				0	220@3-4knts	100%			34	66					0		
07/13/16	Wed	88%				6	5			1	56	32	0	87%		1	34	53		1	7	4	0	
07/14/16	Thu	94%				3	3				57	37	0	92%			32	60			5	3	0	
07/15/16	Fri	89%				6	5				56	33	0	92%			40	52			2	6	0	
07/16/16	Sat																							
07/17/16	Sun																							
07/18/16	Mon	0%				48	52				0	r3704 active	100%			37	63					0		
07/19/16	Tue	92%				5	3				52	40	0	90%			37	53			5	5	0	
07/20/16	Wed	0%				46	54				0	r3704 active	99%			35	64					1	0	
07/21/16	Thu	0%				46	54				0	r3704 active	100%			41	59						0	
07/22/16	Fri	86%				12	2				55	31	0	93%			43	50			1	6	0	
07/23/16	Sat																							
07/24/16	Sun																							
07/25/16	Mon	94%				6					57	37	0	91%			32	59			5	4	0	
07/26/16	Tue	90%				8	2				58	32	0	97%			36	61			2	1	0	
07/27/16	Wed	0%				51	49				0	030-220@3-6kts	100%			38	62						0	
07/28/16	Thu	97%				2	1				56	41	0	96%			35	61			2	2	0	
07/29/16	Fri	95%				3	2				59	36	0	95%			40	55			1	4	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, 2016



Daily Runway Use Summary – August 2016

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

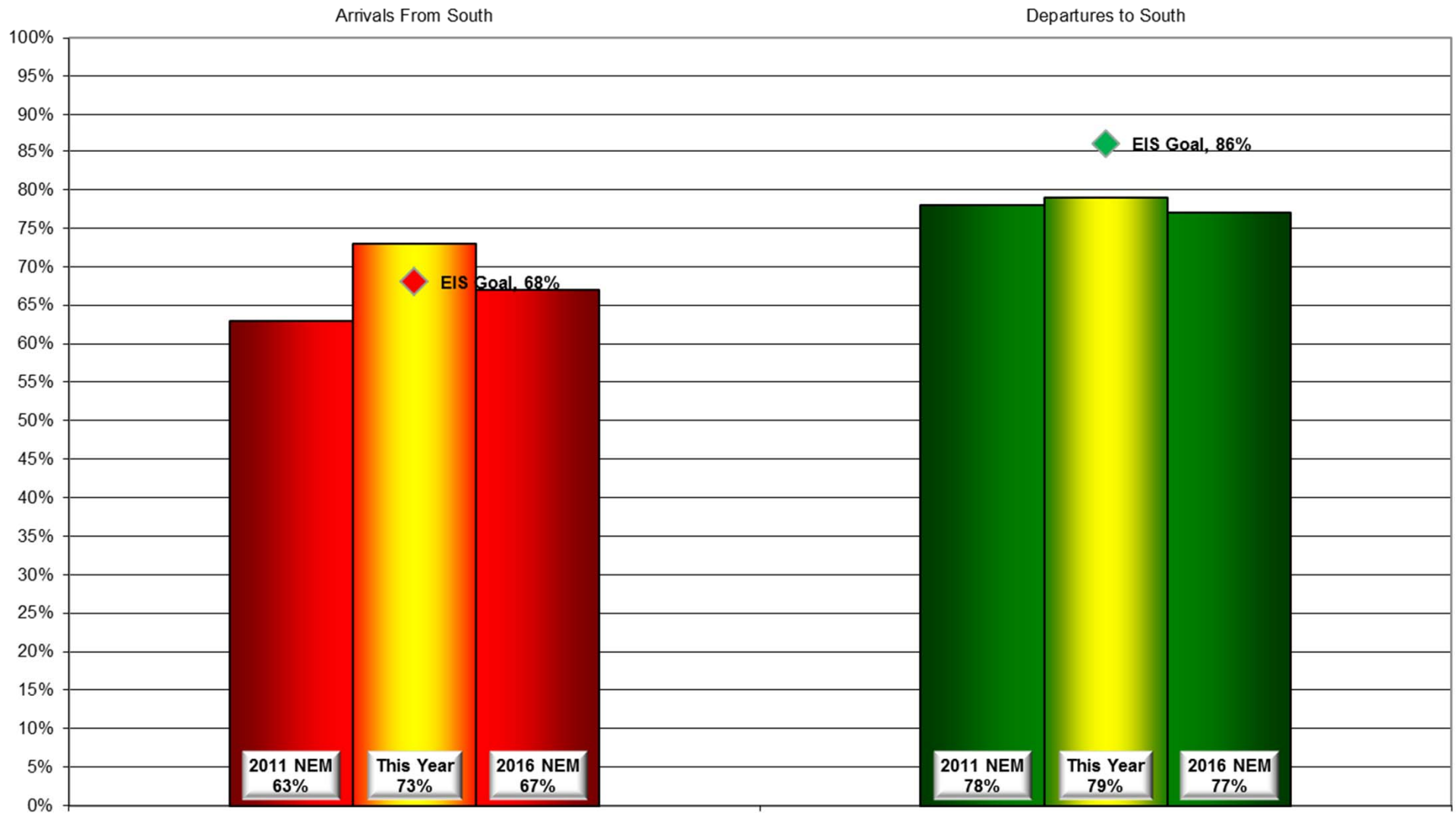
		% of all arrivals from the south										% of all departures to the south									
Date	Day	* in compliance	Runway #						Unknown Runway Use	Notes / Comments		** in compliance	Runway #						Unknown Runway Use	Notes / Comments	
			11	17L	17R	29	35L	35R					11	17L	17R	29	35L	35R			
08/01/16	Mon	92%			6	2			53	39	0				38	53			6	3	0
08/02/16	Tue	89%			9	2			55	34	0				34	59			5	2	0
08/03/16	Wed	92%			6	2			57	35	0				40	56			2	2	0
08/04/16	Thu	83%			11	6			52	31	0				33	62			2	3	0
08/05/16	Fri	81%			12	7			51	30	0				41	52			2	5	0
08/06/16	Sat																				
08/07/16	Sun																				
08/08/16	Mon	94%			6				59	35	0				34	59			4	3	0
08/09/16	Tue	0%			45	55				0	120-170@4-10knts,RA	100%			42	58					0
08/10/16	Wed	97%			2	1			60	37	0				36	59			2	3	0
08/11/16	Thu	93%			5	2			60	33	0				34	56			6	4	0
08/12/16	Fri	92%			2	6			61	31	0				30	63			3	4	0
08/13/16	Sat																				
08/14/16	Sun																				
08/15/16	Mon	0%			42	58				0	150-180@8-9knts	100%			41	59					0
08/16/16	Tue	99%			1				63	36	0				38	56			1	5	0
08/17/16	Wed	93%			5	2			58	35	0				39	54			3	4	0
08/18/16	Thu	86%			13	1			51	35	0				41	55			2	2	0
08/19/16	Fri	91%			3	6			56	35	0				39	54			1	6	0
08/20/16	Sat																				
08/21/16	Sun																				
08/22/16	Mon	0%			42	58				0	R3704 active	100%			36	64					0
08/23/16	Tue	94%			5	1			63	31	0				39	50			5	6	0
08/24/16	Wed	0%			49	51				0	190-210@7-9knts	100%			42	58					0
08/25/16	Thu	97%			2	1			59	38	0				35	56			5	4	0
08/26/16	Fri	92%			3	5			58	34	0				34	54			2	10	0
08/27/16	Sat																				
08/28/16	Sun																				
08/29/16	Mon	93%			6	1			60	33	0				39	50			9	2	0
08/30/16	Tue	93%			2	5			59	34	0				28	67			4	1	0
08/31/16	Wed	100%							63	37	0								58	42	0

Preferred Flow

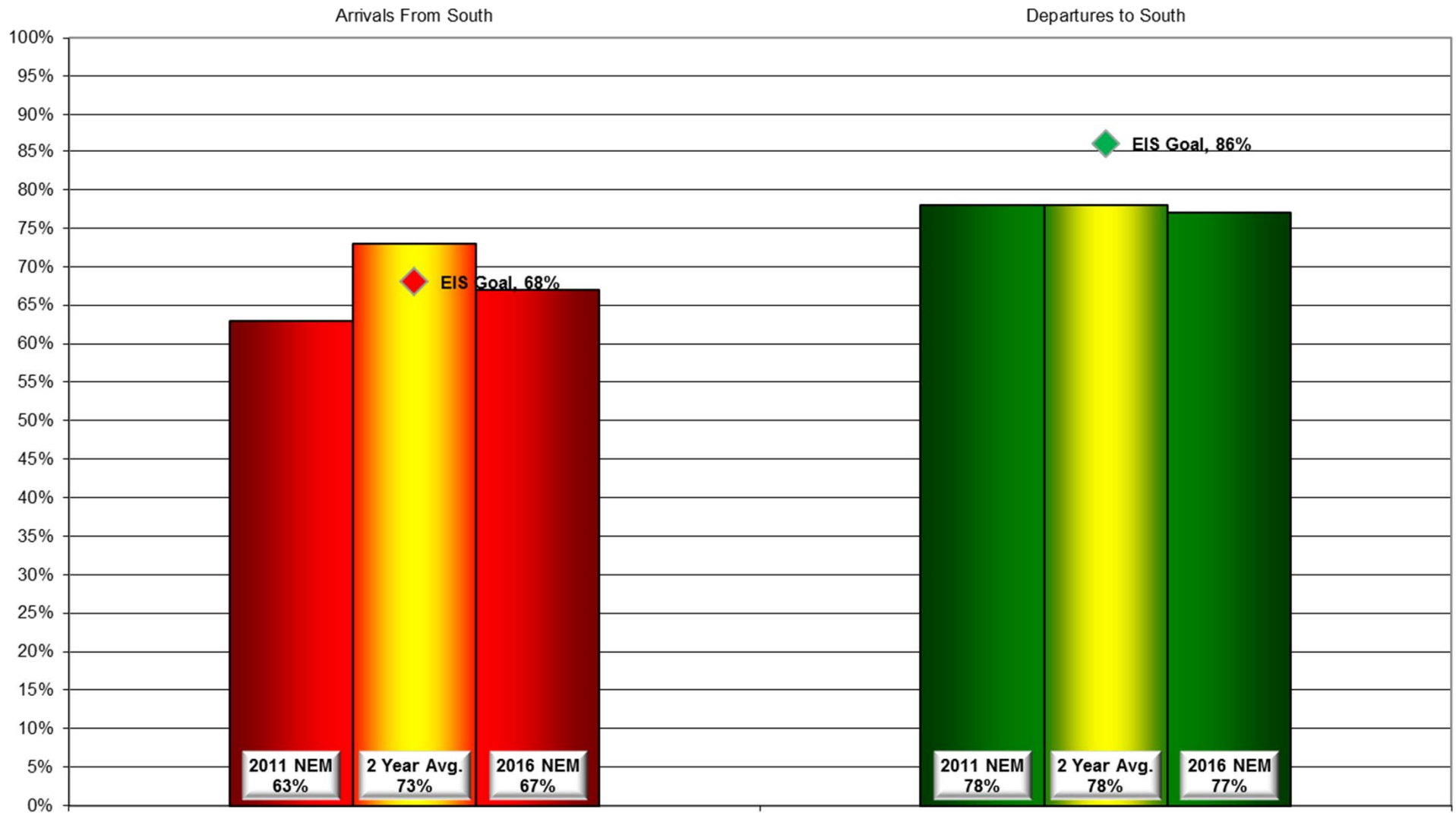
DATIS Reported Conditions Indicate
Support for Non-Preferred Flow

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

Contraflow This Year As of September 2, 2016



Contraflow 2 Year Average September 2014 - August 2016



Year-to-Year by Month Percent* Contraflow

Arrivals From the South (Goal 68%)										Departures to the South (Goal 86%)									
	2009	2010	2011	2012	2013	2014	2015	2016	Avg		2009	2010	2011	2012	2013	2014	2015	2016	Avg
Jan	63%	94%	91%	62%	72%	51%	76%	69%	72%	Jan	74%	54%	71%	80%	65%	81%	76%	69%	71%
Feb	49%	90%	73%	69%	77%	72%	66%	80%	72%	Feb	81%	71%	63%	74%	78%	71%	76%	67%	73%
Mar	46%	80%	52%	61%	87%	60%	71%	63%	65%	Mar	67%	82%	72%	96%	77%	77%	66%	77%	77%
Apr	53%	57%	47%	78%	60%	67%	53%	86%	63%	Apr	84%	84%	83%	76%	89%	83%	77%	73%	81%
May	66%	56%	69%	72%	46%	60%	75%	62%	63%	May	84%	87%	85%	81%	85%	92%	80%	80%	84%
Jun	72%	66%	61%	79%	76%	75%	57%	79%	71%	Jun	81%	96%	93%	87%	80%	91%	91%	83%	88%
Jul	72%	61%	91%	62%	74%	79%	74%	59%	72%	Jul	82%	90%	88%	92%	88%	85%	80%	91%	87%
Aug	61%	59%	82%	49%	84%	61%	86%	76%	70%	Aug	96%	92%	91%	91%	92%	92%	91%	90%	92%
Sep	89%	70%	85%	55%	86%	85%	95%		82%	Sep	82%	73%	64%	92%	87%	86%	73%		79%
Oct	42%	80%	88%	62%	87%	75%	86%		75%	Oct	71%	78%	63%	78%	89%	79%	74%		76%
Nov	74%	85%	55%	84%	73%	78%	59%		72%	Nov	73%	77%	72%	81%	83%	62%	88%		76%
Dec	71%	67%	70%	64%	58%	78%	55%		65%	Dec	65%	78%	65%	67%	71%	68%	79%		69%
Avg	63%	72%	72%	66%	73%	70%	71%	72%		Avg	78%	80%	76%	83%	82%	81%	79%	79%	

*Number is percentage of all operations between 10:00 PM - 7:00 AM



***LOUISVILLE
REGIONAL
AIRPORT
AUTHORITY®***

NOISE COMMENT REPORT

May 2016

Comments (SDF/LOU)

May 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Reading Rd	40217	2016-05-11 10:53:20	2016-05-11 10:53:20	SDF	Other	NE	Investigated	LQHP	None	We have been waiting for our windows to be installed for over a year now. We keep getting the runaround with our contact in Louisville. We did not get the mail about the window installation. We have contacted the Louisville based office with no help. Our home on Reading is in the straight line of the airport runway. Our windows shake every time a plane takes off. We are being told we may not get the windows we were supposed to get because of a miscommunication. What do we need to do to get this process started? Do we need to contact someone else? Who is the head executive on this? Please we need help!
Eastern Pkwy	40217	2016-05-23 01:23:15	2016-05-23 01:23:15	SDF	Other	NE	Investigated	LQHP	None	Homeowner called and said he heard they were expanding the boundaries and wanted to know if he is eligible. His home rattles and the windows shake.
							Received	LQHP	2	

1. **Standard:** Indicates the “Most Preferred” runway configuration was being utilized at the time of the comment.
Non Standard: Indicates that a “Lesser Preferred” runway configuration was being utilized at the time of the comment.
QHP: QuieterHome Program

2. This column is used to indicate the conditions which most likely necessitated a deviation from the standard procedures.

Comments (SDF/LOU)

May 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Landor Ave	40205	2016-05-03 19:53:00	2016-05-03 19:53:00	LOU	Too Much Noise	NE	Investigated	Standard	None	I have lived in the Bowman Field neighborhood 10 years and have never been more put out and disturbed by the noise level and jet fumes than I have in the last 3 months. Since the removal of the trees in our neighborhood, the noise level is at times deafening (especially the jets and helicopters). In the past three months, I have been awoken in the middle of the night by helicopters and planes flying over, which only happened one time in 10 years prior. I understand the increase in noise during the Derby season, but since the trees have been cut, there is nothing to absorb the noise. There are times when we have to quit speaking inside our own home because of the noise level. My home has triple pane windows, this is beyond ridiculous. I fear that the noise level could have an impact on my family's hearing health. The smell of jet fuel is at times sickening. The thick smell lingers in the air. The two of them combined makes it impossible to enjoy the outdoors in our own yards. Thank you for your time and prompt response.
Landor Ave	40205	2016-05-05 08:11:00	2016-05-05 07:05:00	LOU	Too Much Noise	NE	Investigated	Standard	None	At approximately 7:05 a.m. on May 5, 2016, a jet's noise was so loud that we could barely hear each other.
Landor Ave	40205	2016-05-05 11:40:00	2016-05-05 11:34:00	LOU	Too Much Noise	NE	Investigated	standard	None	While writing this email, a very loud jet went over shaking my door. It was very low. May 5, 2016 at 11:34 a.m.
Eastern PKY	40217	2016-05-05 21:22:00	2016-05-05 21:22:00	SDF	Noise At Wrong Time	NE	Investigated	Non-Standard	None	The noise tonight is keeping my kids up. Shouldn't be the wind as reports say it is only 5 mph from the west.

1. **Standard:** Indicates the "Most Preferred" runway configuration was being utilized at the time of the comment.
Non Standard: Indicates that a "Lesser Preferred" runway configuration was being utilized at the time of the comment.
QHP: QuieterHome Program

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Comments (SDF/LOU)

May 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Rodman St	40208	2016-05-06 04:16:00	2016-05-06 04:16:00	SDF	Aircraft Too Low	NW	Investigated	Non-Standard	Weather	The plane noise continues to be extremely loud making it very difficult to have a good night's rest. Can something be done to rectify this issue? It's really ridiculous and no-one seems to care....it's really absurd how low and loud these planes are.
Eastern PKY	40217	2016-05-06 04:45:00	2016-05-06 04:45:00	SDF	Too Much Noise	NE	Investigated	Non-Standard	Weather	The airport noise again this morning.
Landor Ave	40205	2016-05-08 12:28:00	2016-05-07 12:23:00	LOU	Air Pollution	NE	Investigated	Standard	None	At 12:23 p.m. on May 7, 2016, the very strong smell of jet fuel is outside my home and also inside my home when I opened the door.
Landor Ave	40205	2016-05-07 16:36:00	2016-05-07 16:34:00	LOU	Too Much Noise	NE	Investigated	Standard	None	Very loud jet at 4:34 p.m. on Saturday, May 6, 2016.
Landor Ave	40205	2016-05-08 12:29:00	2016-05-08 12:28:00	LOU	Too Much Noise	NE	Investigated	Standard	None	At 12:28 p.m., a very loud jet went over my home, disrupting conversations inside my home.
S Brook St	40208	2016-05-10 00:04:00	2016-05-09 22:00:00	SDF	Too Much Noise	NW	Investigated	Non-Standard	Weather	On Monday, May 9th from approximately 10 p.m. to past midnight we were repeatedly overflown by large airplanes at the rate of approximately one per minute. We live at S. Brook and Magnolia Ave. Neither I nor my wife was able to fall asleep, and our one-year old daughter was frequently woken up by the airplanes. This is incredibly obnoxious and inconsiderate behavior, especially on a weeknight.

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Comments (SDF/LOU)

May 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Landor Ave	40205	2016-05-10 10:07:00	2016-05-10 10:06:00	LOU	Too Much Noise	NE	Investigated	Standard	None	May 10, 2016--very loud jet disrupting activity at 10:06 a.m. Thank you for recording this.
Eastern PKY	40217	2016-05-10 21:22:00	2016-05-10 21:20:00	SDF	Aircraft Off Course	NE	Investigated	Non-Standard	Weather	At 9:20 p.m. it sounded like a plane just flew directly over my house.
Rodman St	40208	2016-05-13 05:28:00	2016-05-13 05:28:00	SDF	Constant Noise	NW	Investigated	Non-Standard	Weather	I would like to request a noise study. The noise of airplanes over the house continues to wake me every night. The planes consistently fly over the house at what appears to be very low altitude.
Browns Ln	40207	2016-05-14 00:55:00	2016-05-14 00:55:00	SDF	Too Much Noise	NE	Investigated	Non-Standard	None	I am wondering why all these planes are going over my neighborhood. They should not be here. Tell them to stop.
Landor Ave	40205	2016-05-19 19:20:00	2016-05-17 19:17:00	LOU	Too Much Noise	NE	Investigated	Standard	None	On May 17, 2016, at 7:17 p.m., a very loud helicopter flew over my home shaking the doors and disrupting conversation inside our home.
Eastern PKY	40217	2016-05-18 05:00:00	2016-05-18 03:00:00	SDF	Noise At Wrong Time	NE	Investigated	Non-Standard	Weather	There has been lots of airport noise again this morning.
Forum AV	40214	2016-05-19 09:00:00	2016-05-19 00:00:00	SDF	Too Much Noise	SW	Investigated	Standard	None	I want to know how many UPS planes took off last night between midnight and 5:00 a.m. I also want to know what kind of plane went over my house at 4:55 a.m. You get me that information and I am going to call the Mayor. He is on the airport board.

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Comments (SDF/LOU)

May 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Oglesby Ct	40118	2016-05-20 23:16:00	2016-05-20 02:00:00	SDF	Too Much Noise	SE	Investigated	Standard	None	Late at night I am awakened by the sound of airplane engines. Times vary from close to midnight to around 2:00 to 3:00 a.m. I have a hearing loss and wear hearing aids, which I take off when I go to bed and all my windows stay shut (due to bad allergies) and the noise still wakes me and feels like it shakes my home. I live in Glengarry Subdivision on Oglesby Court. Is there any way to build a wall or noise barrier to reduce or eliminate this VERY LOUD NOISE that affects my neighborhood?
Falmouth Dr	40205	2016-05-25 14:24:45	2016-05-25 14:24:45	LOU	Too Much Noise	NE	Investigated	Standard	None	Sorry to bother you about this, but I have put up with it for long enough. The sight seeing Red Biplane that goes over our neighborhood (Hayfield) on a regular basis is EXTREMELY LOUD. I understand he wants to give his passengers an exciting ride by climbing rapidly, however the noise could be minimized by just decreasing the wings angle of attack to climb out gradually. He needs to be more considerate of the neighborhoods he flies over. Hopefully this will handle it and I won't have to take additional action.
N Slate Cut Rd	47170	2016-05-27 10:07:06	2016-05-26 23:00:00	SDF	Aircraft Off Course	SI	Investigated	Non-Standard	None	There are planes hovering over my property. It happened last night at about 11:00 p.m.
W Ashland Ave	40215	2016-05-31 04:25:00	2016-05-31 04:25:00	SDF	Too Much Noise	SW	Investigated	Standard	None	I am calling about the airport noise with UPS taking off in the mornings. They have been taking off for about the last hour and a half. It is exceptionally loud today. It is impossible to sleep.

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Comments (SDF/LOU)

May 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Southcrest Dr	40215	2016-05-31 09:55:00	2016-05-31 04:30:00	SDF	Too Much Noise	SW	Investigated	Standard	None	The airplanes were really bad last night. They woke me up at 4:30 a.m. It does not happen every night but they woke my husband up also.
							Received	LRAA	22	

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Comment Location (SDF/LOU)

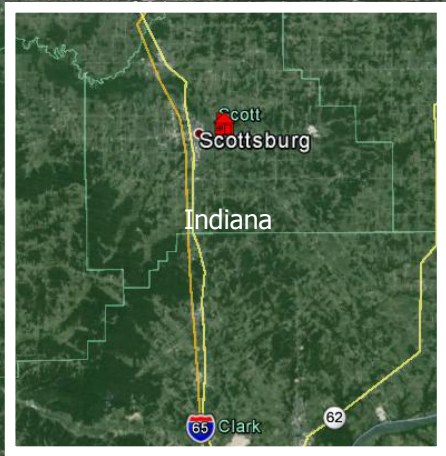
May 2016

Legend

 LOU

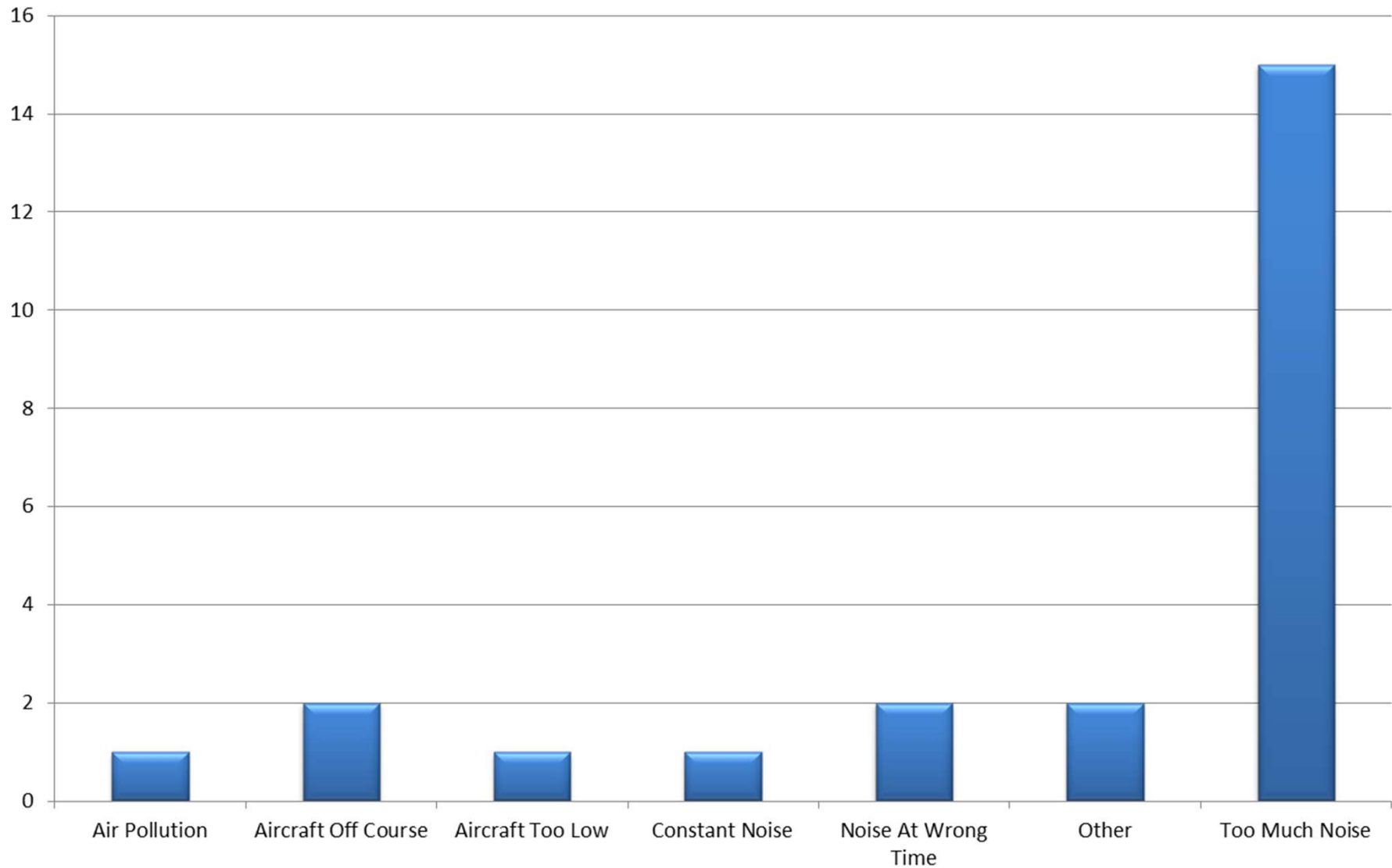
 LQHP

 SDF



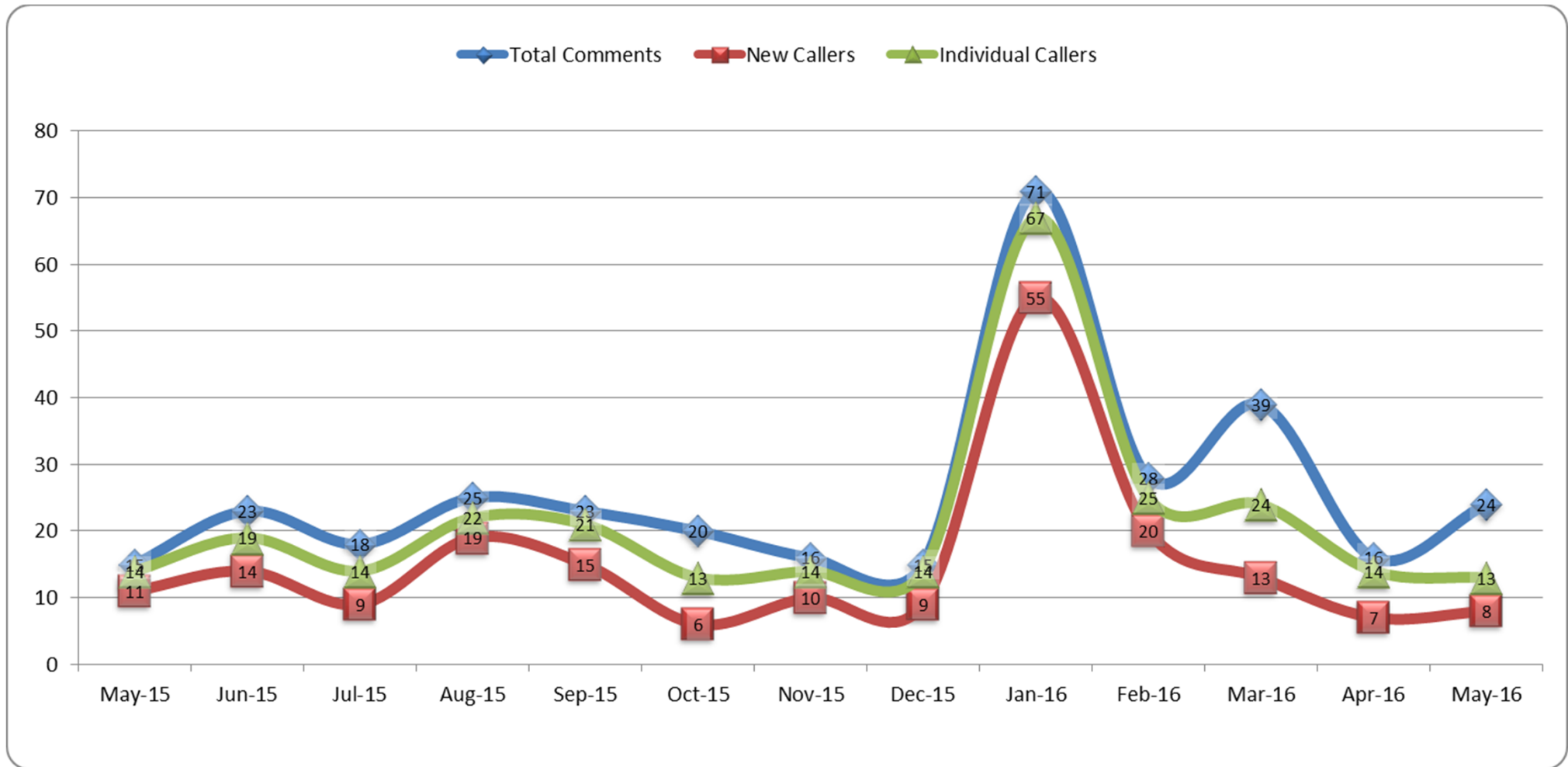
Comment Type* (SDF and LOU)

May 2016



New Address/Comments per Month (SDF and LOU)

May 2016





***LOUISVILLE
REGIONAL
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NOISE COMMENT REPORT

June 2016

Comments (SDF/LOU)

June 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Reading Rd	40217	2016-06-03 10:41:52	2016-06-03 12:41:52	SDF	Other	NE	Investigated	LQHP	None	I really hate to push this but I feel we deserve and need this badly. Our windows shake when planes pass over. The fact of the matter is that we started inquiring about the windows and the program back when they were in the neighborhood installing windows. We called many times and spoke with the Louisville based office. This was back in 2015 or end of 2014. We were told we were on a list and they would be back to install them at a later date. We were told to wait a few months and check again. Well this went on and on. We could have done the paper work back in 2014 when we first inquired. We were told to call back in 3 months, another month. Call back in the spring. We were on the list to have the windows installed but we were given the run around. We were told we missed the filing but they had not finished in our area yet. We were thinking they would contact us after the neighbors were finished. We were led to believe that it could happen. So we waited and waited. The Louisville office was contacted by my husband many times in 2015. We were told to wait. We were on top of this matter. Please reconsider. We have been trying to contact someone for 2 years.
Short ST	40213	2016-06-06 08:41:52	2016-06-06 08:41:52	SDF	Other	NE	Investigated	LQHP	None	Homeowner came in to inquire about the program. Wanted to know the status of going back to the homes that originally didn't participate. He initially couldn't participate with timing with other circumstances and wanted an update.

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Comments (SDF/LOU)

June 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Penguin St	40217	2016-06-06 13:12:15	2016-06-06 13:12:15	SDF	Other	NE	Investigated	LQHP	None	The planes are really noisy over here and want some assistance. Am I eligible?
Reading Rd	40217	2016-06-06 14:20:10	2016-06-06 14:20:10	SDF	Other	NE	Investigated	LQHP	None	It says on your letter that all correspondence was mailed to 817 Reading Road. We are 517 Reading Road. This could be the problem. Please look into this.
Reading Rd	40217	2016-06-13 10:35:15	2016-06-13 10:35:15	SDF	Other	NE	Investigated	LQHP	None	Will there be other Quieter Homes programs that we might be eligible for? It just seems letters being just put on the front porch is a problem. We are just sick that we missed this opportunity. Just wondering if there may be another program in the future we could be eligible for.
St James Ct	40208	2016-06-16 15:30:20	2016-06-16 10:30:15	SDF	Other	NW	Investigated	LQHP	None	Homeowner called at 3:30 A.M. saying that she could not sleep and has not slept in 2 years. She was very frustrated and upset with the airplane noise. The noise was never disclosed by the realtor when they purchased the home.
Texas Ave	40217	2016-06-23 10:18:13	2016-06-23 10:18:13	SDF	Other	NE	Investigated	LQHP	None	Homeowner called to inquire about eligibility. Stated she is in the direct flight path and it is very noisy.
S 7th St	40203	2016-06-24 09:38:17	2016-06-24 09:38:17	SDF	Other	NW	Investigated	LQHP	None	Homeowner getting ready to get new windows. A neighbor suggested she call the QHP.

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Comments (SDF/LOU)

June 2016

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S 7th St	40203	2016-06-24 09:38:17	2016-06-24 09:38:17	SDF	Other	NW	Investigated	LQHP	None	Good Morning, my sister and I just bought a house in Louisville and I was just made aware of the Quieter Homes Program through a colleague at U of L. We were trying to figure out if our house is eligible for the program but could not find a map for Phases 1-3 of the program. Is that available? Maybe the first question to ask is, are homes that are bought after the outreach time and weren't originally soundproofed still eligible for the program if the property is sold? Our place was a rental duplex so it's possible that, if it is within the bounds to which letters were sent that the residents did not do anything about the program since they were renters. Thanks for any help you can provide.
							Received	LQHP	9	
S 3rd St	40214	2016-06-01 07:42:00	2016-06-01 03:00:00	SDF	Too Much Noise	SW	Investigated	Standard	None	I'm not sure if this is the right number to call but I have been informed that it would be wise to let the airport know about noise complaints. I live in the Beechmont neighborhood. Please give me a call back if there is a different number that I should call so I can make that correction in the future. I want to report that we just about every night have issues with noise from the airport from airplanes taxiing on the runways and then from them taking off. It goes on most nights from midnight to 4 or 5 in the morning then it gets better. It seems to peak around the 3 or 4 a.m. timeframe. We have lots of frequent night waking in my house around those times.

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Comments (SDF/LOU)

June 2016

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Southcrest Dr	40215	2016-06-01 08:35:00	2016-06-01 04:30:00	SDF	Noise At Wrong Time	SW	Investigated	Standard	None	We were awakened at 4:30 this morning by noise from the airport.
E Tenny Ave	40214	2016-06-04 02:26:00	2016-06-04 01:26:00	SDF	Too Much Noise	SW	Investigated	Standard	None	The planes woke me up about an hour ago. I finally found the right number to call.
Top Hill RD	40118	2016-06-07 05:07:00	2016-06-07 04:00:00	SDF	Too Much Noise	SW	Investigated	Standard	None	I know you cannot take my call right now because you are probably at home sleeping soundly in your bed without these planes flying over your house and waking you up at 4:00 a.m. every minute. They are not every 2 minutes, not every three minutes, but every minute, over the house. It is now 4:35 a.m. let me check the phone; oh no it is 5:08 a.m. So thanks a lot. I get woke up all the time. I would appreciate it now they are kind of dissipating maybe the way the clouds are hovering it sounds like a booming noise. I don't know if you can hear it or not but it is just rumbling like bombs are going off. I have been up since 4:00 a.m. thank you and so have my neighbors.
Landor Ave	40205	2016-06-08 13:36:00	2016-06-08 13:33:00	LOU	Too Much Noise	NE	Investigated	Standard	None	An extremely loud jet flew over my house on June 8, 2016 at 1:33 p.m. to land at Bowman Field. The smell of jet fuel lingered in the air for 4 minutes. The jet came in extremely low.
Meridale AV	40214	2016-06-10 10:24:00	2016-06-10 10:24:00	SDF	Aircraft Off Course	SW	Investigated	Non-Standard	Ops	There have been a number of flights taking off to the west this morning, including a military carrier very low over the house. Does not appear to be wind. Just curious.

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Comments (SDF/LOU)

June 2016

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Landor Ave	40205	2016-06-15 12:56:00	2016-06-15 12:53:00	LOU	Aircraft Too Low	NE	Investigated	Standard	None	At 12:53 p.m. on June 15, 2016 a very low flying loud jet went over my house. It shook the doors. Two days in a row a very low jet came in...It is concerning to our safety.
St James Ct	40208	2016-06-16 03:13:00	2016-06-16 03:00:00	SDF	Constant Noise	NW	Investigated	Non-Standard	None	Three years ago we bought a house on St. James Court moving here from College Station, Texas. College Station, you might imagine from its name is home to train lines... One can adjust to trains and I used to think of myself as being a good sound sleeper able to sleep through much. Louisville is doing me in. I don't feel like I have slept in 2 years... seriously. This airplane fly over thing is seriously killing me. We visited our house 4 times before we bought, we checked crime we checked traffic we didn't KNOW we should have checked air traffic. Our first night in the house was a disaster! Go look it up on the flight pattern website. I wasn't able to when I tried. March 14 and 15th 2014 was Horrible I don't feel like I slept a wink. It felt like planes took off and landed every 5 seconds. It was horrible. The next day when our realtor called to see how our first night was in the house I was ready to take his head off. Over a half million dollars spent on a home that we cannot sleep in!!! NO ONE MENTIONED the air traffic and I think they didn't because who in their right mind would buy a house knowing they would seldom get a good night's rest in it. I have regretted buying in Old Louisville almost nightly for this reason. I regret moving to Louisville period for this reason. Unlike trains one can NOT adjust to airplane noise. (Truncated for space)

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Comments (SDF/LOU)

June 2016

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W Ashland Ave	40215	2016-06-17 05:46:00	2016-06-17 03:00:00	SDF	Too Much Noise	SW	Investigated	Non-Standard	Weather	The airport takeoff noise again this morning has been extremely bad all the way over this far. I just wanted to let you know.
Cane Run Rd	40258	2016-06-17 14:30:00	2016-06-17 14:25:00	SDF	Aircraft Too Low	SW	Investigated	Standard	None	A dark green helicopter is flying way too low over the chemical plant.
Landor Ave	40205	2016-06-21 12:12:00	2016-06-21 12:12:00	LOU	Too Much Noise	NE	Investigated	Standard	None	I realize the need for safety of the air traffic and the need for pilot safety discretion. But, it is important to realize this is a residential area as well, and the recent nearness of the take-off and approach seems more dangerous. In addition there are one or two jets housed at the airport that are a major disturbance. I'm very disappointed in how after 11 years of living in the proximity of the airport this has now become an issue. We are in the process of completing an extensive renovation and addition to our home and are now concerned what this airport project has done for the property values. I would venture to guess it has not made a positive impact. I will Need to reach out to my neighbors to gauge their impression of the noise and feeling of living in what has now become a dangerous area. I'm certain we will be in touch again as I share with you a collective neighborhood impression.
Crittenden Dr	40209	2016-06-23 00:35:00	2016-06-23 00:33:00	SDF	Constant Noise	NW	Investigated	Non-Standard	Weather	It is 12:33 a.m. Thursday morning and there have been non-stop flights all night. I am staying near U of L and it is constant. Don't you have no fly hours?

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Comments (SDF/LOU)

June 2016

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Landor Ave	40205	2016-06-29 09:31:00	2016-06-28 22:00:00	LOU	Aircraft Too Low	NE	Investigated	Standard	None	As an FYI, I attended the "hearing". The definition of hearing....an opportunity to explain why a person, did, said or believes something. The term hearing would imply there would be someone on site to hear questions, offer answers, clarity or explanation. The information booths provided yesterday evening were a ridiculous insult to the area residence in attendance. I'm very confident this ongoing issue and the area impacted residence will not go away easily. Interesting the information most impactful to those residences was provided by other residence and project apposition. A really missed opportunity for the FAA to begin building a partnership. Information that I hear loud and clear, the project is much bigger than initially mentioned, focusing on "money". The drive will be to house more jets at Bowman, in addition to opening the air traffic to a 24/7 operation. From a resident who was previous neutral, I now need to protect our interest; and will begin partnering with others in opposing this expansion project. As a final note, last evening around 10:00 p.m. a plane flew so near the top of my house I could almost make out the lettering on the wing.
S 5th St	40214	2016-06-29 04:05:00	2016-06-29 03:30:00	SDF	Too Much Noise	NW	Investigated	Non-Standard	None	I can't sleep again tonight because of the airplanes. What can you do about that?
							Received	LRAA	14	

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Comment Location (SDF/LOU)

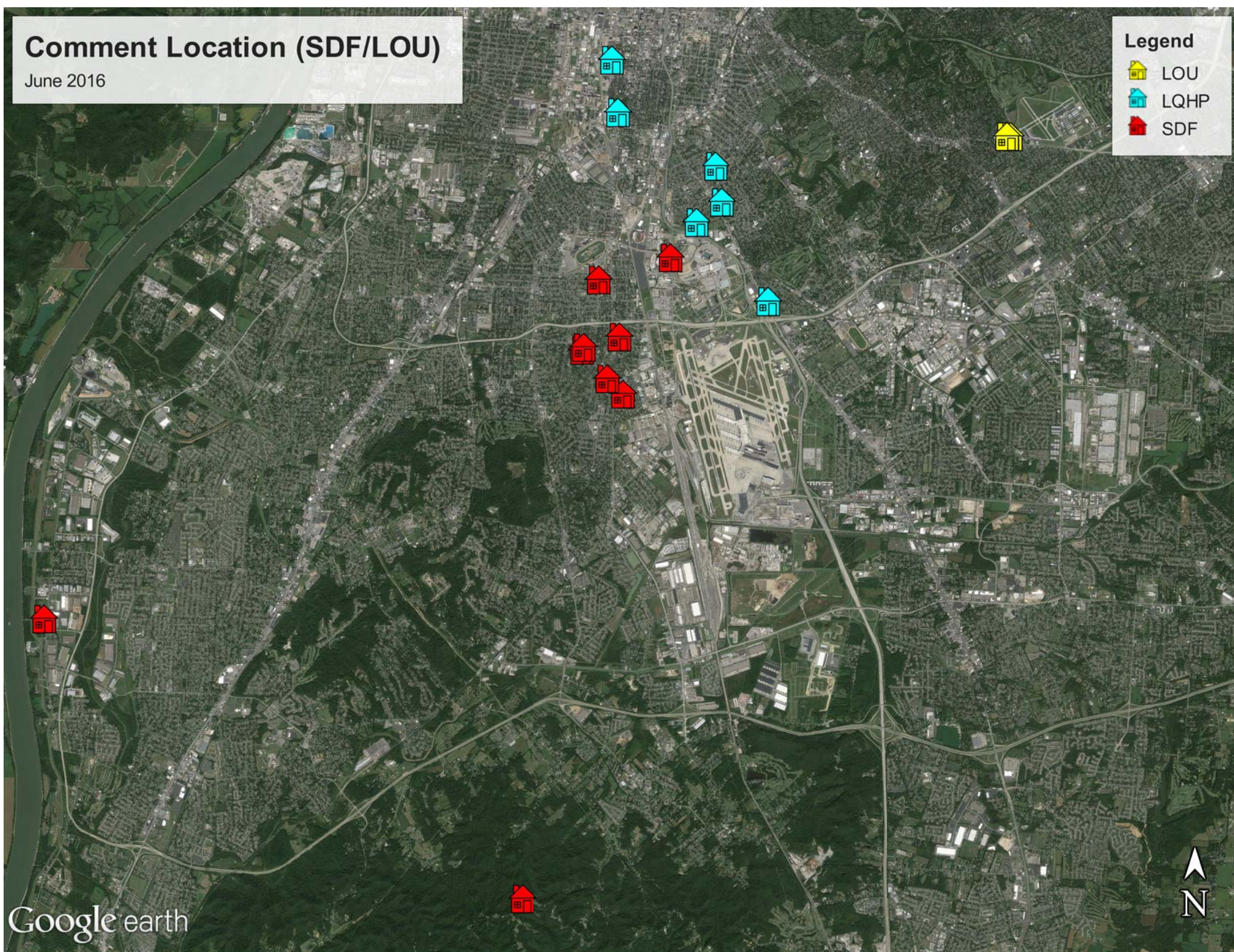
June 2016

Legend

-  LOU
-  LQHP
-  SDF

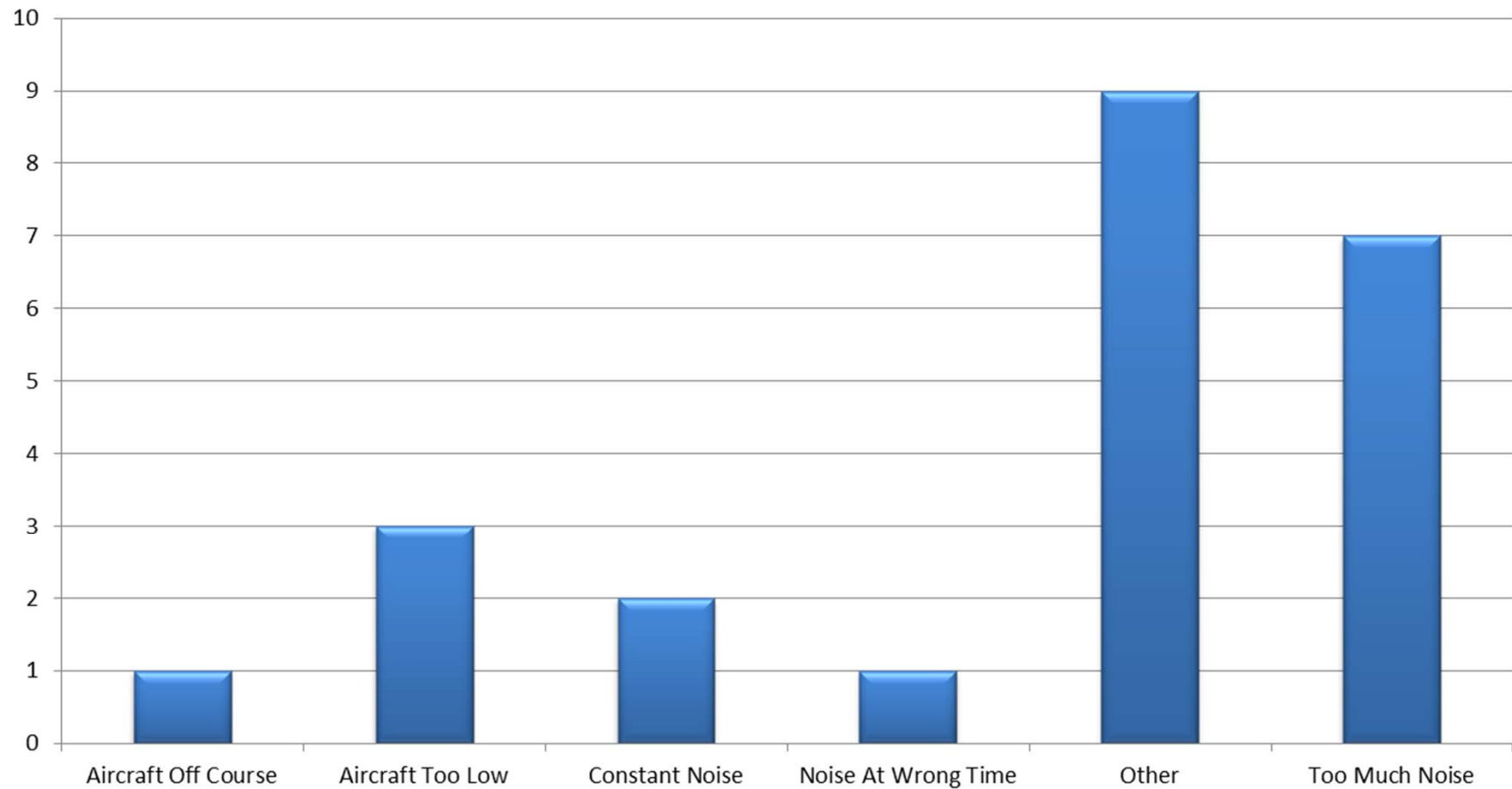
Google earth

N



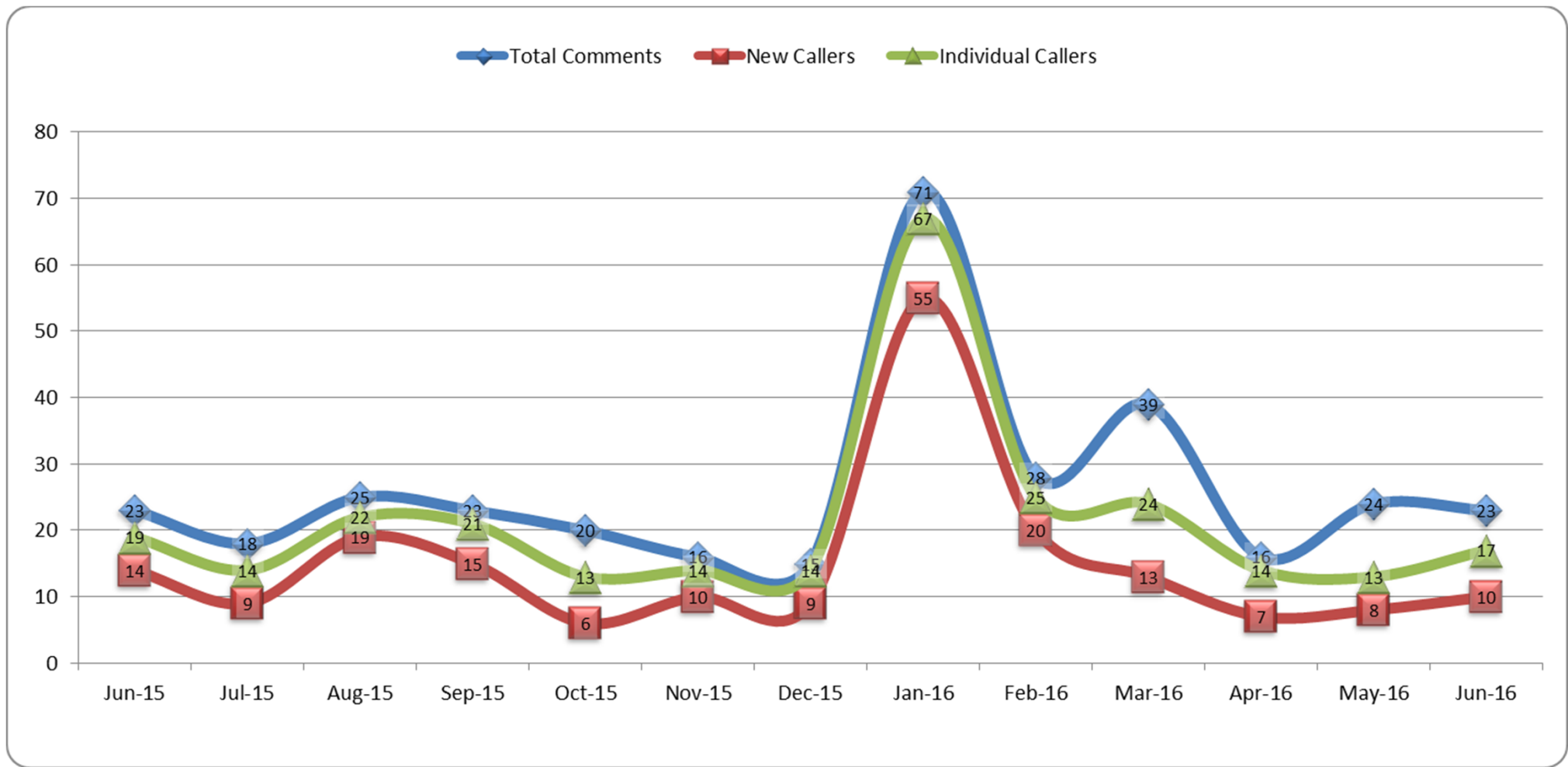
Comment Type* (SDF and LOU)

June 2016



New Address/Comments per Month (SDF and LOU)

June 2016



NOISE COMMENT REPORT



July 2016

Comments (SDF/LOU)

July 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Elam Dr	40213	2016-07-26 14:24:13	2016-07-26 14:24:13	SDF	Other	SE	Investigated	LQHP	None	Homeowner called regarding eligibility. He has a friend that is with UPS and told him about this program. Says he has a runway basically at the end of his yard. Cannot believe he hasn't heard of the program.
Alexander Ave	40217	2016-07-27 10:35:10	2016-07-27 10:35:10	SDF	Other	NE	Investigated	LQHP	None	New owner called to inquire about the program. Purchased home and was told to call from friend in the neighborhood.
							Received	LQHP	2	
Peggy Dr	40219	2016-07-13 04:32:00	2016-07-13 03:30:00	SDF	Constant Noise	SE	Investigated	Standard	Weather	I am trying to figure out why there has been so much noise in my area pertaining to the airport. It seemed that usually on Wednesday morning around 3:30 a.m. to 5:30 a.m. there is a rumble that never seems to quit. It has never been as bad as it has been lately and it is now starting to wake my kids up. I am just trying to understand if I live 3 miles away how the noise can be so great? Any info would be appreciated.
Rosemary Dr	40213	2016-07-19 13:30:00	2016-07-19 13:30:00	SDF	Other	NE	Investigated	Standard	None	The house next to me was the last one to receive windows and doors. I was hoping you could tell me what is going on with the program to get tax credits.
S Brook St	40214	2016-07-21 11:32:00	2016-07-21 11:32:00	SDF	Other	NW	Investigated	Standard	None	I received a letter from Representative Dennis Horlander. The planes takeoff over my house in the afternoon at about 4:00 p.m. and in the morning at about 4:00 a.m. Am I eligible for the tax credit?
Eastern Pkwy	40217	2016-07-21 15:12:00	2016-07-21 15:12:00	SDF	Other	NE	Investigated	Standard	None	I received a letter from Representative Dennis Horlander. I would like to know if I am eligible for tax credits.

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Comments (SDF/LOU)

July 2016

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Ridgewood Ave	40217	2016-07-21 17:05:00	2016-07-21 17:05:00	SDF	Other	NE	Investigated	Standard	None	I live near the airport and received something from Representative Dennis Horlander regarding the airport. I would like some information.
Eastern Pkwy	40217	2016-07-22 12:56:00	2016-07-22 12:56:00	SDF	Other	NE	Investigated	Standard	None	I am calling about the 60 dnl ring around the airport. I got a letter from Dennis Horlander. I was told years ago that we were in this program so I bought new windows only to find out after we bought the new windows that we were not.
Fetter AV	40217	2016-07-22 22:33:00	2016-07-22 22:30:00	SDF	Too Much Noise	NE	Investigated	Non-Standard	None	Hi Bob, I don't like it when it is loud here. At 10:30 p.m. it was real loud because there was a plane above my house. I don't like it. I need you to change this Bob. Come on man, hook it up. I am outside and cannot even talk because it is so loud. I am not happy.
Wainwright Ave	40217	2016-07-25 07:07:00	2016-07-25 07:07:00	SDF	Other	NW	Investigated	Standard	None	Over the weekend I received a letter regarding the 60 DNL proposal and was told to call you. I am curious and wanted to get some more information.
Ervay Ave	40217	2016-07-25 11:12:00	2016-07-25 11:12:00	SDF	Other	NW	Investigated	Standard	None	I received a postcard from Representative Horlander and wanted to know if I was in the dnl 60 contour area.
Merwin Ave	40217	2016-07-25 11:30:00	2016-07-25 11:30:00	SDF	Other	NE	Investigated	Standard	None	I received a letter from Representative Horlander. I would like to know if I am in the area.
Lynn St	40217	2016-07-25 14:51:00	2016-07-25 14:51:00	SDF	Other	NE	Investigated	Standard	None	I was calling to see if my house was in the boundary for the QueiterHome program.

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Non Standard: Indicates that a “Lesser Preferred” runway configuration was being utilized at the time of the comment.
QHP: QuieterHome Program

2. This column is used to indicate the conditions which most likely necessitated a deviation from the standard procedures.

Comments (SDF/LOU)

July 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Wainwright Ave	40217	2016-07-25 16:00:00	2016-07-25 16:00:00	SDF	Other	NE	Investigated	Standard	None	I am building a new house and I could use some help with the noise.
Eastern Pkwy	40217	2016-07-25 17:23:00	2016-07-25 17:00:00	SDF	Too Much Noise	NE	Investigated	Non-Standard	Weather	Is it possible that the noise from the airport my way, my direction has increased as of late? We have always heard a little bit and last I inquired we were not eligible for any sort of abatement. It seems like the last week or so we have had a lot more noise from jets. If you have a moment and you could let me know if that is true or false I would appreciate it.
Rawlings St	40217	2016-07-26 11:43:41	2016-07-26 11:43:41	SDF	Other	NE	Investigated	Standard	None	I received a letter from Representative Horlander and I would like to know if I am in the dnl contour.
Ridgewood Ave	40217	2016-07-26 15:02:00	2016-07-26 15:02:00	SDF	Other	NE	Investigated	Standard	None	I received a letter from Representative Horlander and I would like to know if my home is in the QuieterHome Program.
S 5th St	40214	2016-07-26 18:45:00	2016-07-26 18:30:00	SDF	Aircraft Off Course	NW	Investigated	Non-Standard	Weather	I have been told that we are not on any glide path that has anything to do with the airport. They are actually going right over my house and shaking my windows. Between 6:30 p.m. and 10 minutes to 7:00 p.m. today.
N Barbee Way	40217	2016-07-27 12:59:00	2016-07-27 12:59:00	SDF	Other	NE	Investigated	Standard	None	I was calling about the QuieterHome Program. I received a letter from Representative Horlander and I was hoping that you could call me back.
W Garrett St	40214	2016-07-28 09:00:00	2016-07-28 09:00:00	SDF	Other	NW	Investigated	Standard	None	I received a letter from Representative Horlander and would like to know if my home is eligible.

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Comments (SDF/LOU)

July 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Eastern PKY	40217	2016-07-28 10:16:00	2016-07-28 10:16:00	SDF	Other	NE	Investigated	Non-Standard	None	I would like to know if I am within the bounds of the QuieterHome Program.
Fairdale Rd	40118	2016-07-29 08:45:59	2016-07-29 04:30:00	SDF	Too Much Noise	SW	Investigated	Standard	None	I just wanted to report that the airplanes were extremely bad last night from about 4:30 a.m. to about 5:30 a.m. Just putting in my complaint. Moving on to the metro.
Emil AV	40217	2016-07-29 12:39:00	2016-07-29 12:39:00	SDF	Other	NW	Investigated	Standard	None	I am calling because I received a letter from Representative Horlander. I wanted to know about possible assistance.
Landor Ave	40205	2016-07-30 12:35:00	2016-07-30 12:32:00	LOU	Over Use of Runway	NE	Investigated	Standard	None	A jet went directly over my home at 12:32 p.m. Are the planes supposed to go over the Bowman Field property or always my house? It shook the doors to my home.
Landor Ave	40205	2016-07-31 14:49:00	2016-07-31 14:48:00	LOU	Too Much Noise	NE	Investigated	Standard	None	A very loud jet went over my home shaking it at 2:48 p.m.
							Received	LRAA	23	

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QHP: QuieterHome Program

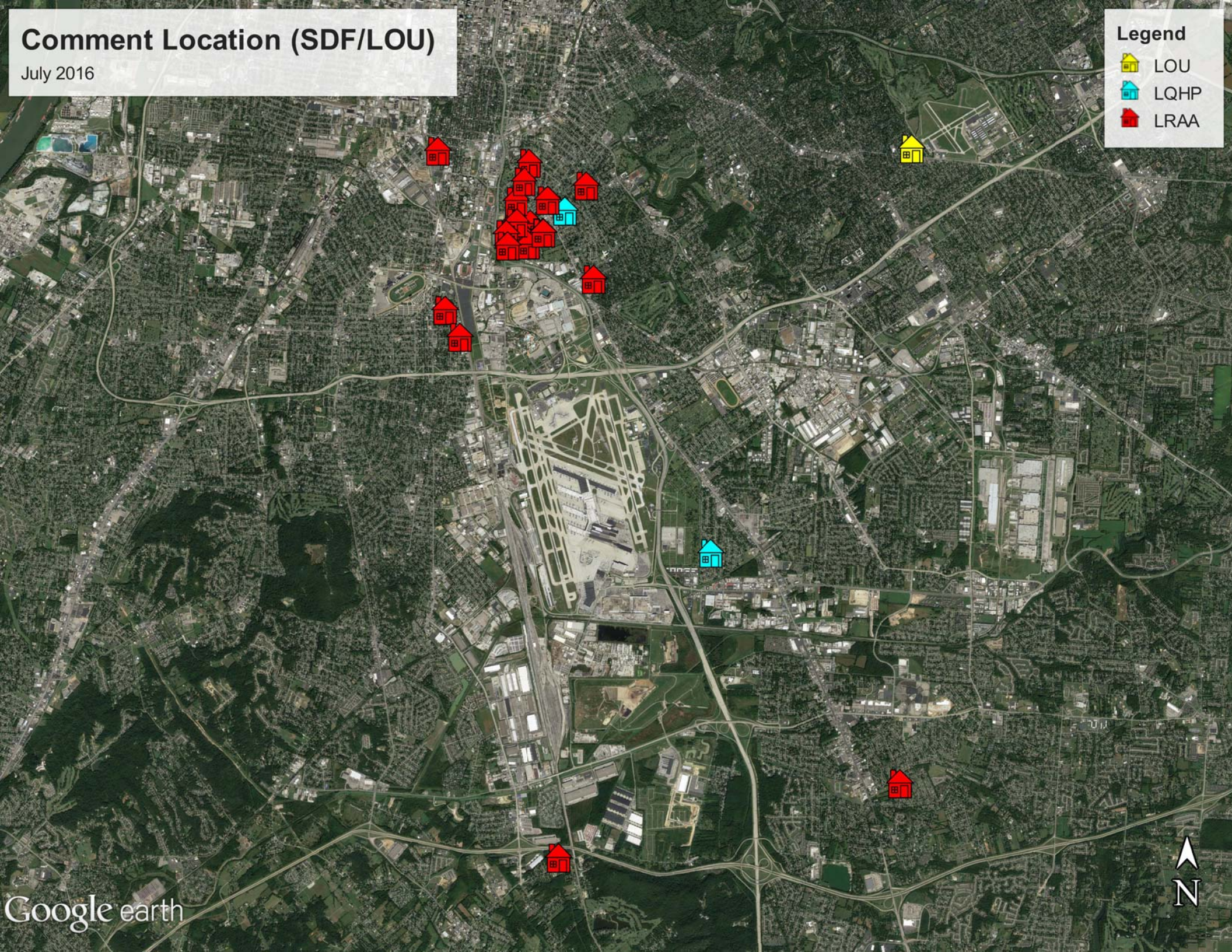
2. This column is used to indicate the conditions which most likely necessitated a deviation from the standard procedures.

Comment Location (SDF/LOU)

July 2016

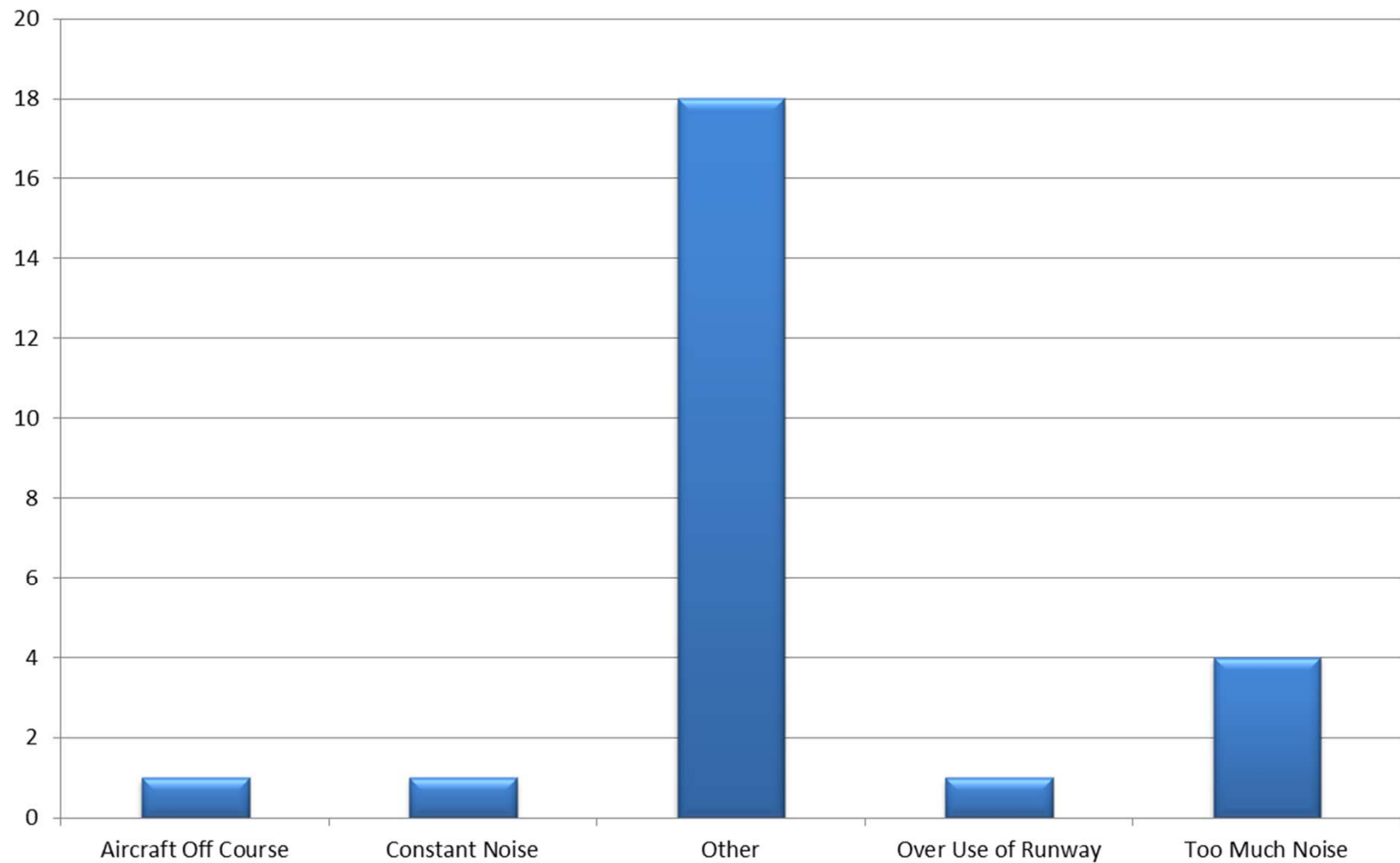
Legend

-  LOU
-  LQHP
-  LRAA



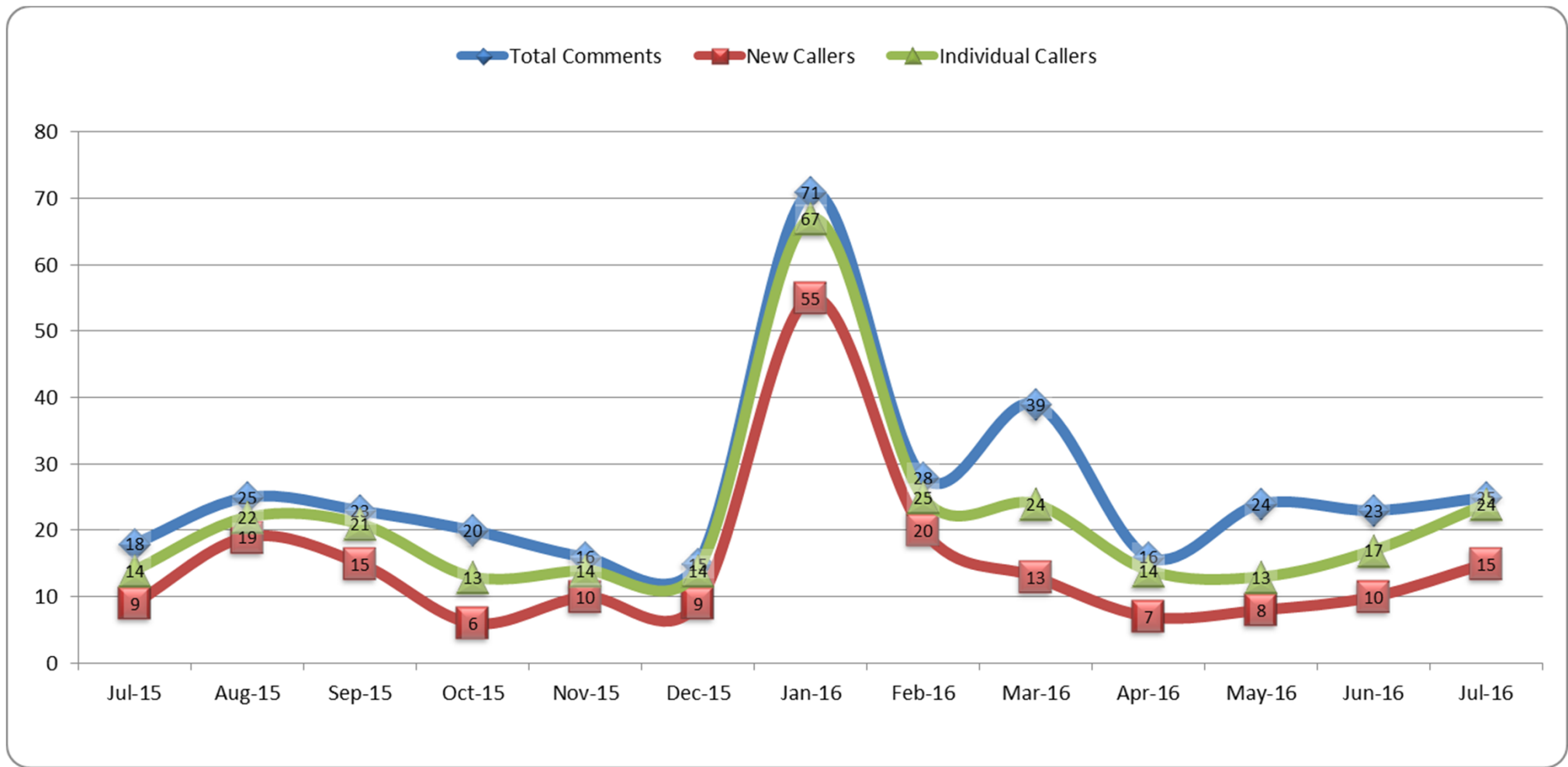
Comment Type* (SDF and LOU)

July 2016



New Address/Comments per Month (SDF and LOU)

July 2016



NOISE COMMENT REPORT



August 2016

Comments (SDF/LOU)

August 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Larue AV	40213	2016-08-08 09:09:52	2016-08-08 09:09:52	SDF	Other	NE	Investigated	LQHP	None	Homeowner called to see if we would be coming back to her home. They were not initially able to participate due to some personal issues. All has been resolved.
Farmdale Ave	40213	2016-08-15 01:20:18	2016-08-15 01:20:18	SDF	Other	NE	Investigated	LQHP	None	Homeowner called to check on eligibility. Her home rattles and there is so much noise. She doesn't understand why she hasn't heard about the program and wants to know how does she get to participate.
Marigold Ct	40213	2016-08-22 04:10:05	2016-08-22 04:10:05	SDF	Other	NE	Investigated	LQHP	None	Homeowner wanted to inquire about the program. She said that since the new runway was put in a lot of noise has been created. She was looking all over the airport website and did find the NEM and also the ineligible brochure. She inquired about how often the maps are updated.
							Received	LQHP	3	
S 3rd St	40208	2016-08-01 10:03:00	2016-08-01 10:03:00	SDF	Other	NW	Investigated	Standard	None	I am calling in regards to the card I received from Representative Horlander and to see if I am in the area for refundable tax credits.
Parkway Dr	40217	2016-08-03 08:38:00	2016-08-03 08:38:00	SDF	Other	NE	Investigated	Standard	None	We had heard that there was a change in zoning or something and that we may be eligible for the QuieterHome program.
Emil Ave	40217	2016-08-03 09:58:00	2016-08-03 09:58:00	SDF	Other	NE	Investigated	Standard	None	I was calling to get some more information about the noise mitigation program eligibility.
Tupelo Dr	47129	2016-08-05 09:49:00	2016-08-04 15:01:00	SDF	Aircraft Too Low	SI	Investigated	Standard	None	I was told to contact you because recently we have had a lot of low flying jets over our houses in the neighborhood. I am not sure why they cannot follow I-65 south where it is all commercial.

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Comments (SDF/LOU)

August 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Greenleaf Rd	40213	2016-08-05 11:16:00	2016-08-05 01:55:00	SDF	Too Much Noise	NE	Investigated	Standard	None	I moved into my home five years ago and the noise was a bit loud but now it's severe! You replaced Windows and so forth and our house was the cut off, but let me inform you that a plane sounded as if it was going to come through my bedroom last night! It woke me up! We were informed you do a frequency test and I want someone to do it for our home! I'm contacting you first but if I receive no response I'm going to the media and going to contact all of my neighbors! You seem to have changed your pattern for flight and it's to the point where some of your aircrafts can even shake my home!
S 1st St	40214	2016-08-05 10:30:00	2016-08-05 10:30:00	SDF	Other	NW	Investigated	Standard	None	I received a letter from Representative Horlander and would like to know if I am in the 60 contour.

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Comments (SDF/LOU)

August 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Landor AV	40205	2016-08-10 14:46:00	2016-08-10 14:46:00	LOU	Constant Noise	NE	Investigated	Standard	None	I live over here on Gladstone by Bowman Field. I am calling about the airport noise in general. I may have spoken with you before but I have 72 signatures on a petition about the noise over here. The airport and the traffic is for departure and arrival but not this airport, it has become a playground for planes that just go around and they don't go anywhere. 7 out of 10 planes that depart from Bowman Field do not go anywhere. They go in one big circle and they do it again. This rattles our windows, we can't enjoy our backyards, we can't have conversation, we can't watch TV and it is kind of out of control. Bowman Field has been pretty bad neighbors not only do they cut the trees down around here, but the planes don't even go where the trees have been cut down. So I don't know what that was about but to say the least we are pretty angry and we are prepared to call the news, the FAA and whoever we need to get involved with this because it has gotten out of hand. Most of these planes are registered out of Texas and they come in here and run these flight schools and all they do is go around, and around, and around, and around...truncated for space.
Harrison Ave	40217	2016-08-10 15:15:00	2016-08-10 15:15:00	SDF	Other		Investigated	Standard	None	I received some information from Representative Horlander and would like to know if I am in the DNL 60 contour.

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Comments (SDF/LOU)

August 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Landor Ave	40205	2016-08-13 13:21:00	2016-08-13 13:16:00	LOU	Too Much Noise	NE	Investigated	Standard	None	I have been trying to ignore most of the flight noise going over my home but today I thought the plane was landing on top of my house it was so loud. It happened at 1:16 pm on Saturday, August 13, 2016. Shouldn't the larger jets take off and land where there are not as many residents? The loss of the trees and canopies has made a huge difference.
Maylawn Ave	40217	2016-08-16 13:30:00	2016-08-16 13:30:00	SDF	Other	NE	Investigated	Standard	None	I received a letter from Representative Horlander and would like to know if I am in the DNL 60 contour.
Gladstone Ave	40205	2016-08-16 16:15:00	2016-08-16 16:15:00	LOU	Too Much Noise	NE	Investigated	Standard	None	The noise has gotten so bad over here that I have to wear earplugs. I would like to know what has changed. The noise has gotten much worse over the last couple of months. It is primarily from airplanes taking off.
Rawlings St	40217	2016-08-17 15:40:00	2016-08-17 15:40:00	SDF	Other	NE	Investigated	Standard	None	I got a flyer with a request for people to find out if they are in the 60 dnl QuieterHomes Program. I know I have a tremendous amount of noise from the airplanes over here on Rawlings.
Greenleaf Rd	40213	2016-08-19 09:36:00	2016-08-19 09:36:00	SDF	Other	NE	Investigated	Standard	None	Can you investigate UPS? Or can you tell me if the flight pattern has changed in the past five years? I know we missed the cutoff and that's not why I'm contacting you! I'm curious if they replaced the windows for those houses then moved their pattern for landing?
McCoy Way	40205	2016-08-23 12:20:00	2016-08-23 10:30:00	LOU	Aircraft Off Course	NE	Investigated	Standard	None	I have some questions about the air traffic coming out of Bowman Field. If you could give me a call, I would appreciate it.

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Comments (SDF/LOU)

August 2016

Street	Zip Code	Time Received	Time	Airport	Disturbance Type	CNF Quad	Status	Operation or Comment Type ¹	Deviation Type ²	Comments
Emerson Ave	40205	2016-08-30 10:50:00	2016-08-30 10:45:00	LOU	Aircraft Too Low	NE	Investigated	Standard	None	A jet just went over at about quarter till 11:00 a.m. this morning. He was so low I thought he was going to clip the tree tops and my roof top. It was a jet going into Bowman Field. He was way too low for regulations. I think this better be passed on to the Board because it is not lawful for him to be that low.
Kings Highway	40205	2016-09-01 10:48:00	2016-08-30 20:42:00	LOU	Other	NE	Investigated	Standard	None	On Tuesday night at 8:42 p.m. there was a loud booming noise coming from the airport. No one seems to know what it was. Can you tell me what that was?
							Received	LRAA	16	

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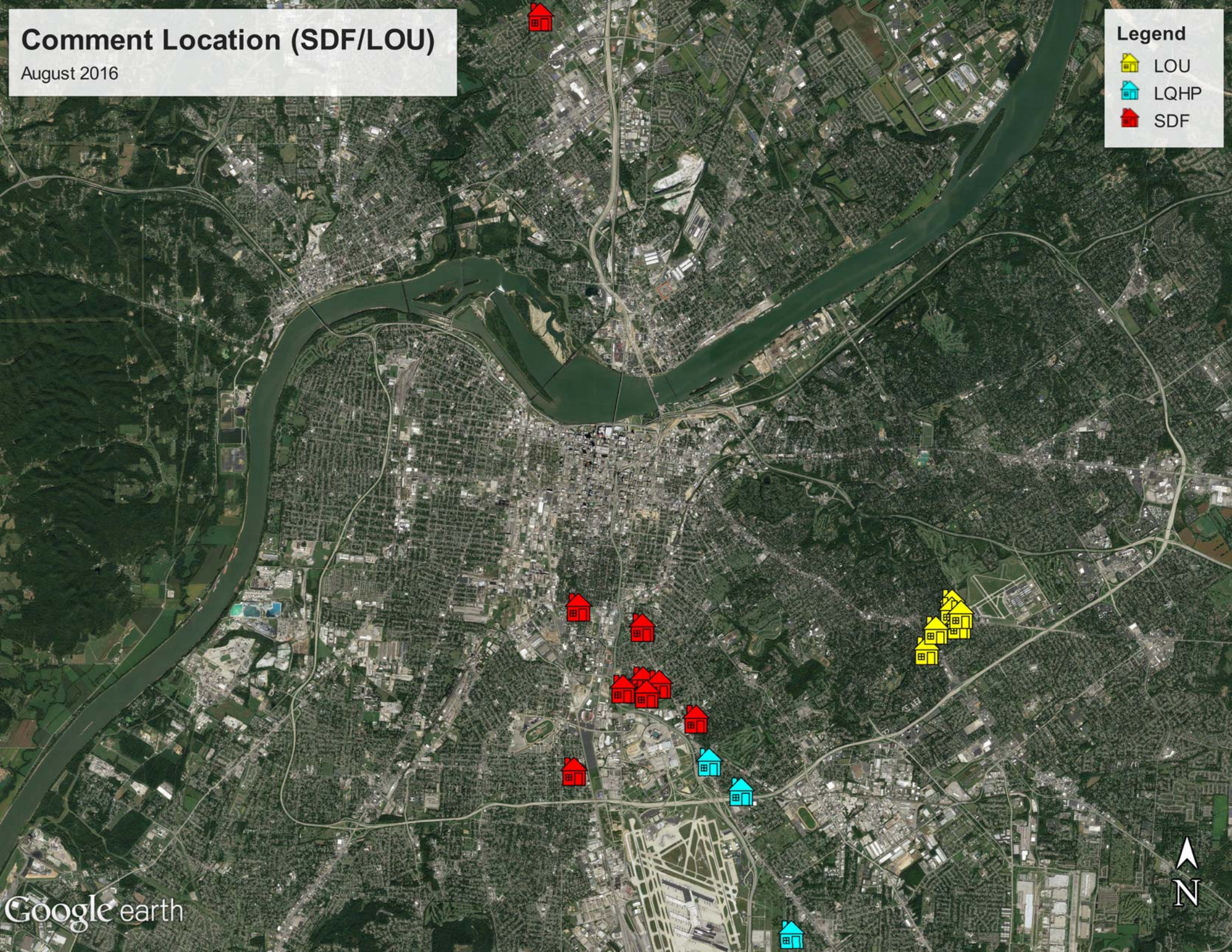
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Comment Location (SDF/LOU)

August 2016

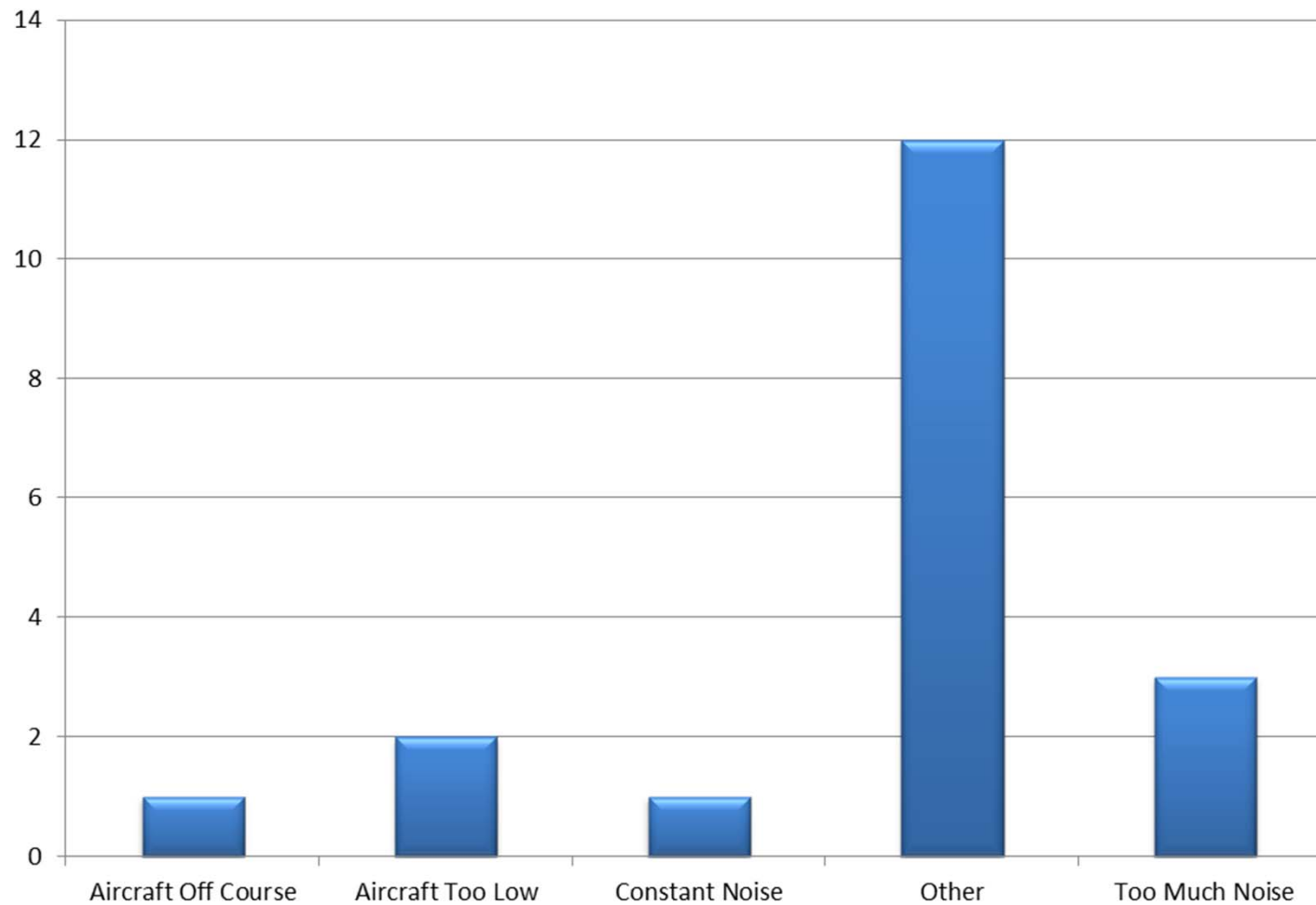
Legend

-  LOU
-  LQHP
-  SDF



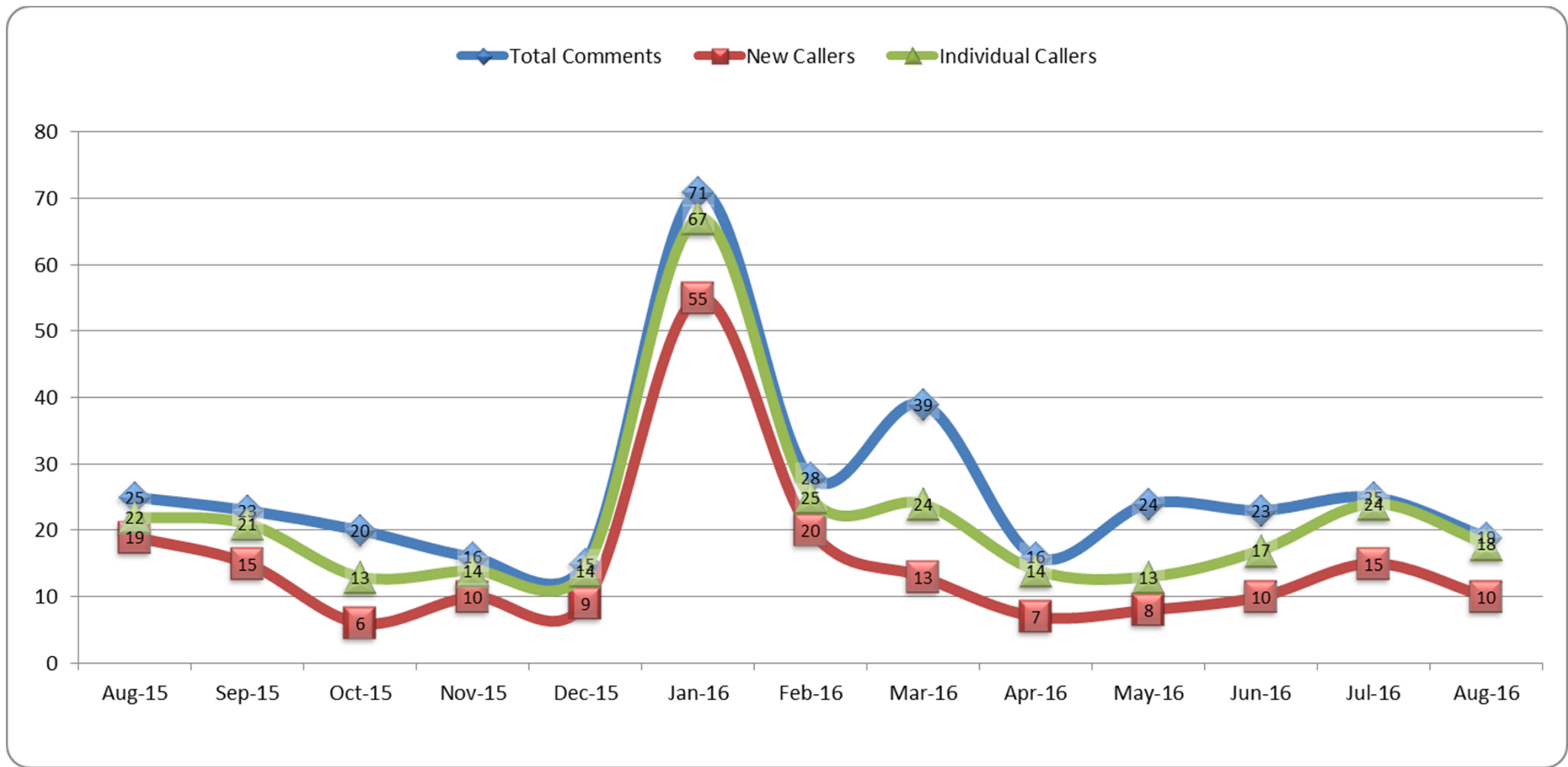
Comment Type* (SDF and LOU)

August 2016



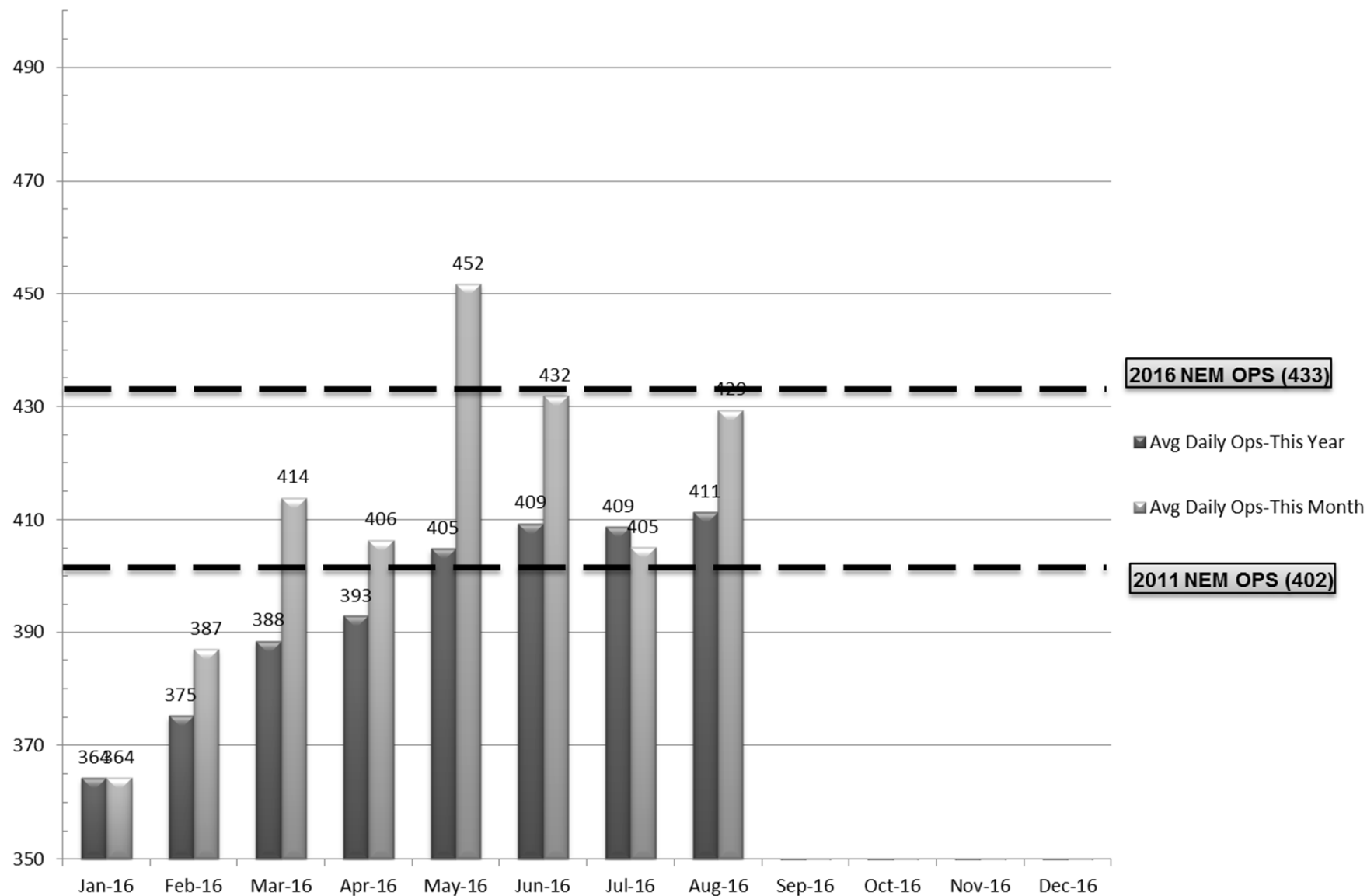
New Address/Comments per Month (SDF and LOU)

August 2016



Operations (SDF)

As of August 31, 2016



Source: Louisville <http://www.flylouisville.com/regional-airport-authority/reports-and-statistics/>

Daily Runway Use Uncorrected (SDF) May 2016

Flow	Time	Sun 5/1	Mon 5/2	Tue 5/3	Wed 5/4	Thu 5/5	Fri 5/6	Sat 5/7	Sun 5/8	Mon 5/9	Tue 5/10	Wed 5/11	Thu 5/12	Fri 5/13	Sat 5/14	Sun 5/15	Mon 5/16	Tue 5/17	Wed 5/18	Thu 5/19	Fri 5/20	Sat 5/21	Sun 5/22	Mon 5/23	Tue 5/24	Wed 5/25	Thu 5/26	Fri 5/27	Sat 5/28	Sun 5/29	Mon 5/30	Tue 5/31	Time
North Flow	0:00																																0:00
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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 09:30 Saturday - 09:30 Monday

XXX Complaint

Source: Louisville International Airport Aircraft Flight Tracking and Noise Management System (AFTNMS)



Daily Runway Use (SDF)

Tower Comments May 2016

Tower comments for May 2016 are not currently available

Daily Runway Use Uncorrected (SDF) June 2016

Flow	Time	Wed 6/1	Thu 6/2	Fri 6/3	Sat 6/4	Sun 6/5	Mon 6/6	Tue 6/7	Wed 6/8	Thu 6/9	Fri 6/10	Sat 6/11	Sun 6/12	Mon 6/13	Tue 6/14	Wed 6/15	Thu 6/16	Fri 6/17	Sat 6/18	Sun 6/19	Mon 6/20	Tue 6/21	Wed 6/22	Thu 6/23	Fri 6/24	Sat 6/25	Sun 6/26	Mon 6/27	Tue 6/28	Wed 6/29	Thu 6/30	Time	
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Flow	Time	Wed 6/1	Thu 6/2	Fri 6/3	Sat 6/4	Sun 6/5	Mon 6/6	Tue 6/7	Wed 6/8	Thu 6/9	Fri 6/10	Sat 6/11	Sun 6/12	Mon 6/13	Tue 6/14	Wed 6/15	Thu 6/16	Fri 6/17	Sat 6/18	Sun 6/19	Mon 6/20	Tue 6/21	Wed 6/22	Thu 6/23	Fri 6/24	Sat 6/25	Sun 6/26	Mon 6/27	Tue 6/28	Wed 6/29	Thu 6/30	Time	
		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 09:30 Saturday - 09:30 Monday															Source: Louisville International Airport Aircraft Flight Tracking and Noise Management System (AFTNMS)																
		xxx	Complaint																														

Daily Runway Use (SDF)

Tower Comments June 2016

Day	Date	Time	Comment
Wed	1-Jun-16		
Thu	2-Jun-16	0930-1230	Weather south of arpt, RWY 29 closed.
Fri	3-Jun-16	0730-0900	Low VSBY, CAT II/III
Fri	3-Jun-16	1800-1830	Low shows south operation.
Sat	4-Jun-16		
Sun	5-Jun-16	2030-2130	Wind 2918
Mon	6-Jun-16	1200-1230	Went south at 1209
Tue	7-Jun-16	0300-0900	South until 0412, then north due to forecast
Wed	8-Jun-16	0730-0900	Wind 0111
Wed	8-Jun-16	1300-1530	Wind 3511
Wed	8-Jun-16	1730-1900	Wind 3610
Thu	9-Jun-16		
Fri	10-Jun-16	0930-1400	Non std config due to Muhammad Ali funeral.
Sat	11-Jun-16		
Sun	12-Jun-16	1400-1730	Wind 3411
Mon	13-Jun-16		
Tue	14-Jun-16	1930-2130	Wind 0207 wet runways
Wed	15-Jun-16	0930-1230	Wind 1908
Wed	15-Jun-16	2030-0000	Wind 3110, wet runways
Thu	16-Jun-16	0000-0230	Wind 1708 wet runways
Fri	17-Jun-16	1600-1830	Wind 0111
Sat	18-Jun-16		
Sun	19-Jun-16		
Mon	20-Jun-16		
Tue	21-Jun-16	2100-2130	Wind 3117, later 3016
Wed	22-Jun-16		
Thu	23-Jun-16		
Fri	24-Jun-16	1300-1330	Wind 3508
Sat	25-Jun-16		
Sun	26-Jun-16		
Mon	27-Jun-16	0930-1230	Line of thunderstorms south of airport
Tue	28-Jun-16	1300-1530	Wind on final 3219, later sfc wind 3211
Wed	29-Jun-16	0800-0900	Wind 0209, pilot complaints of tailwind
Wed	29-Jun-16	1900-2130	Valid reason not documented.
Thu	30-Jun-16		

Daily Runway Use Uncorrected (SDF) July 2016

[illegible]

Daily Runway Use (SDF)

Tower Comments July 2016

Day	Date	Time	Comment
fri	1-Jul-16	1030-1230	Weather south of airport
fri	1-Jul-16	1530-1730	Wind 3409 forecast 3510
sat	2-Jul-16	0300-0700	Wind 0109
sun	3-Jul-16		
mon	4-Jul-16	0930-1230	Log shows north operation, south at 1136 due to weather on final
tue	5-Jul-16	1930-2130	Wind 3212
wed	6-Jul-16		
thu	7-Jul-16		
fri	8-Jul-16	0930-1100	Wind 2412G19, wet runways
sat	9-Jul-16	1400-1430	Wind 3011
sat	9-Jul-16	1830-2400	1830-2322 valid reason not documented, went south @2322.
sun	10-Jul-16		
mon	11-Jul-16	2200-2400	Wind 1709
tue	12-Jul-16	0000-0230	Wind 1809
tue	12-Jul-16	2200-2400	Wind 1907, also 2220 on final @1000 ft.
wed	13-Jul-16	0000-0230	Wind 1907, also 2220 on final @1000 ft.
thu	14-Jul-16		
fri	15-Jul-16	2000-2130	Wind 3221G31, convective activity and wet runways
sat	16-Jul-16		
sun	17-Jul-16		
mon	18-Jul-16	1800-2130	Wind 2908, heavy rain
tue	19-Jul-16		
wed	20-Jul-16		
thu	21-Jul-16		
fri	22-Jul-16		
sat	23-Jul-16		
sun	24-Jul-16		
mon	25-Jul-16		
tue	26-Jul-16	0930-1230	Wind forecast 2010, activity in R3704
wed	27-Jul-16	2200-2400	Wind 2104 wet runways
thu	28-Jul-16	0000-0230	Weather south of airport
thu	28-Jul-16	0930-1230	Wind 2505, wet runways, weather south of arpt
fri	29-Jul-16		
sat	30-Jul-16	1600-2130	Wind 0110 wet runways
sun	31-Jul-16	1630-1700	Wind 3614, then 2806, wet runways

Daily Runway Use Uncorrected (SDF) August 2016

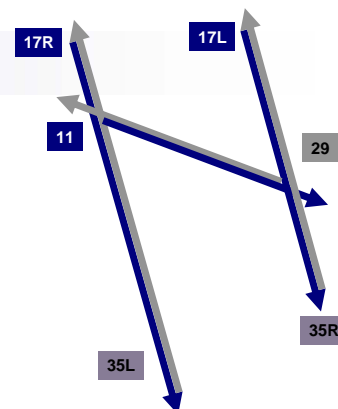
[illegible]

Daily Runway Use (SDF)

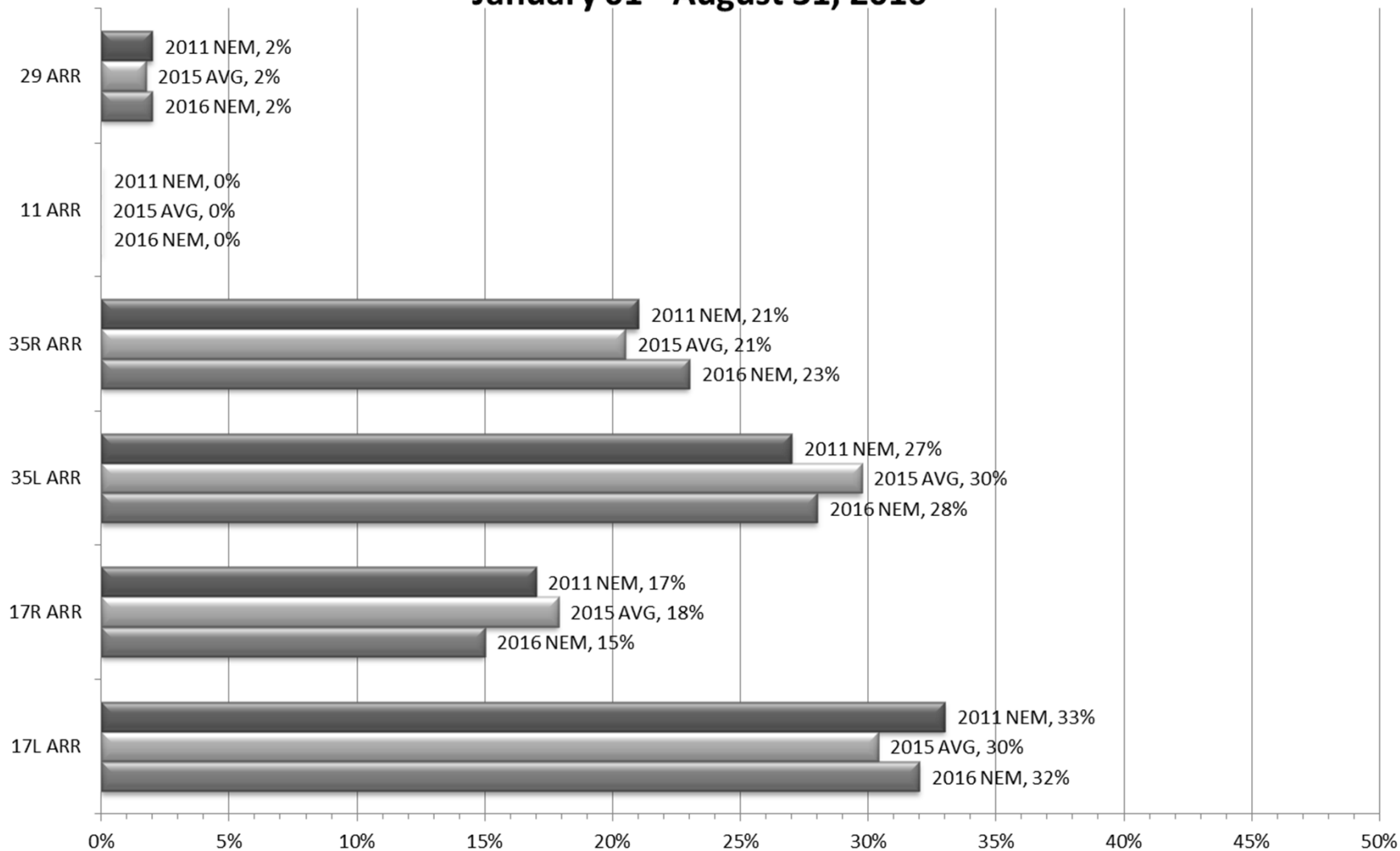
Tower Comments August 2016

Day	Date	Time	Comment
mon	1-Aug-16	1200-1230	Heavy weather south of airport
tue	2-Aug-16		
wed	3-Aug-16		
thu	4-Aug-16		
fri	5-Aug-16		
sat	6-Aug-16		
sun	7-Aug-16		
mon	8-Aug-16		
tue	9-Aug-16	0930-1230	Aircraft activity in Restricted Area R3704B
wed	10-Aug-16		
thu	11-Aug-16		
fri	12-Aug-16		
sat	13-Aug-16		
sun	14-Aug-16		
mon	15-Aug-16		
tue	16-Aug-16		
wed	17-Aug-16	1030-1230	Wind 2407 wet runways
thu	18-Aug-16		
fri	19-Aug-16		
sat	20-Aug-16		
sun	21-Aug-16	1000-1300	Wind 3510.
sun	21-Aug-16	2030-2300	Wind 3110
mon	22-Aug-16		
tue	23-Aug-16	0930-1230	Airport construction, and LOC 35L interruption
wed	24-Aug-16		
thu	25-Aug-16	0930-1230	Wind 2110, Forecast 2210
fri	26-Aug-16		
sat	27-Aug-16	1530-1730	Wind 3414
sun	28-Aug-16		
mon	29-Aug-16	0930-1000	Log shows went north at 0935.
tue	30-Aug-16	0930-1230	Valid reason not available.
wed	31-Aug-16	0930-1230	Convective weather south of airport
wed	31-Aug-16	1500-1630	Wind 3409, wet runways

Runway Use (SDF Arrivals)

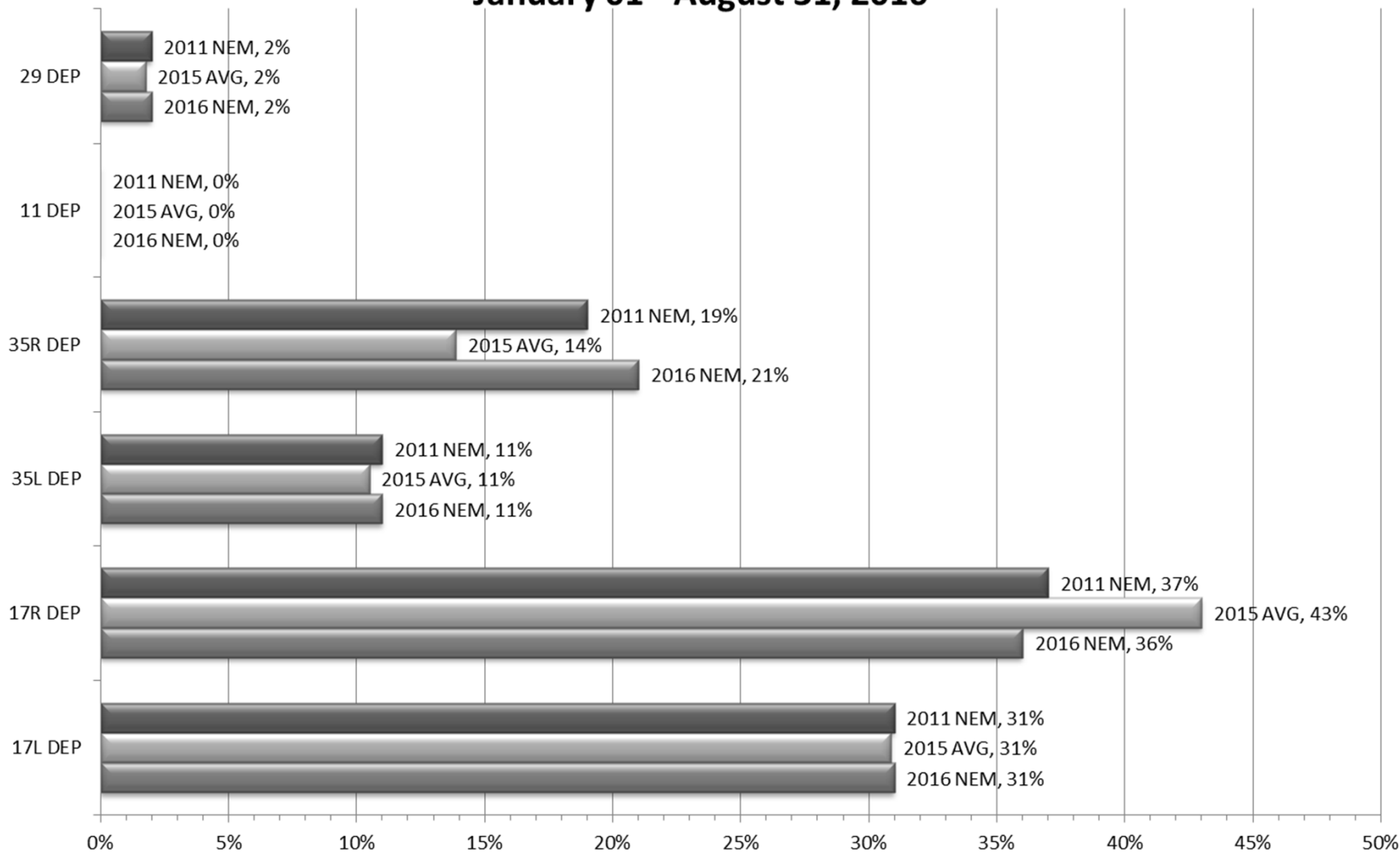


NEM vs. Actual
January 01 - August 31, 2016

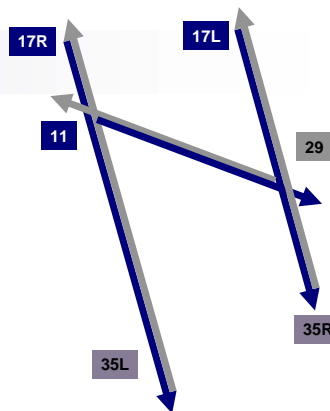


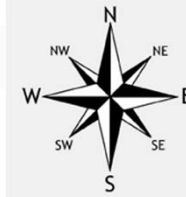
Runway Use (SDF Departures)

NEM vs. Actual January 01 - August 31, 2016



Source: Louisville International Airport
Aircraft Flight Tracking and Noise Management System (AFTNMS)



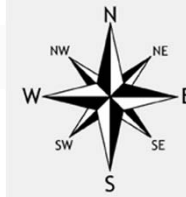


Runway Use 0930L-1230L_(SDF)

As of August 31, 2016

	Arrival Percentage by Runway								Departure Percentage by Runway							
	11	17L	17R	29	35L	35R	% From South	Arrival Count	11	17L	17R	29	35L	35R	% To North	Departure Count
Sep-14	0	14	8	0	38	40	78	668	0	11	11	0	20	58	78	388
Oct-14	0	30	20	0	25	25	50	767	0	35	16	0	5	44	49	414
Nov-14	0	11	15	8	44	22	66	610	0	16	14	11	10	49	59	335
Dec-14	0	22	13	0	38	27	65	959	0	24	16	1	8	51	59	373
Jan-15	0	17	6	0	45	32	77	619	0	15	8	3	22	52	74	313
Feb-15	0	14	18	0	37	31	68	619	0	12	15	2	10	61	71	317
Mar-15	0	9	17	0	47	27	74	662	0	10	15	0	28	47	75	396
Apr-15	0	20	15	14	37	14	51	667	0	24	21	16	23	16	39	371
May-15	0	28	23	0	38	11	49	656	0	33	27	0	19	21	40	358
Jun-15	0	21	22	0	42	15	57	683	0	30	22	0	17	31	48	349
Jul-15	0	12	25	0	42	21	63	827	0	17	21	0	15	47	62	403
Aug-15	0	15	25	0	38	22	60	712	0	20	19	0	15	46	61	365
Sep-15	0	7	24	0	36	33	69	796	0	11	20	0	13	56	69	407
Oct-15	0	19	31	0	26	24	50	784	0	20	25	0	2	53	55	411
Nov-15	0	20	25	11	22	22	44	676	0	15	26	12	5	42	47	380
Dec-15	0	26	19	0	37	18	55	1082	0	24	25	0	5	46	51	449
Jan-16	0	26	22	2	30	20	50	650	0	26	22	3	11	38	49	312
Feb-16	0	17	12	0	49	22	71	738	1	13	14	2	19	51	70	314
Mar-16	0	33	37	0	21	9	30	796	0	31	29	4	9	27	36	396
Apr-16	0	27	17	8	31	17	48	712	1	30	17	6	15	31	46	356
May-16	0	17	25	0	37	21	58	821	0	21	19	4	25	31	56	394
Jun-16	0	9	12	0	49	30	79	816	0	14	9	4	24	49	73	392
Jul-16	0	17	30	1	32	20	52	723	0	17	27	2	14	40	54	394
Aug-16	0	14	46	0	21	19	40	845	0	18	35	1	13	33	46	404
Monthly Avg.	0	19	21	2	36	23	59		0	20	20	3	14	43	57	

Source: Louisville International Airport
Aircraft Flight Tracking and Noise Management System (AFTNMS)



Gate Compliance by Runway

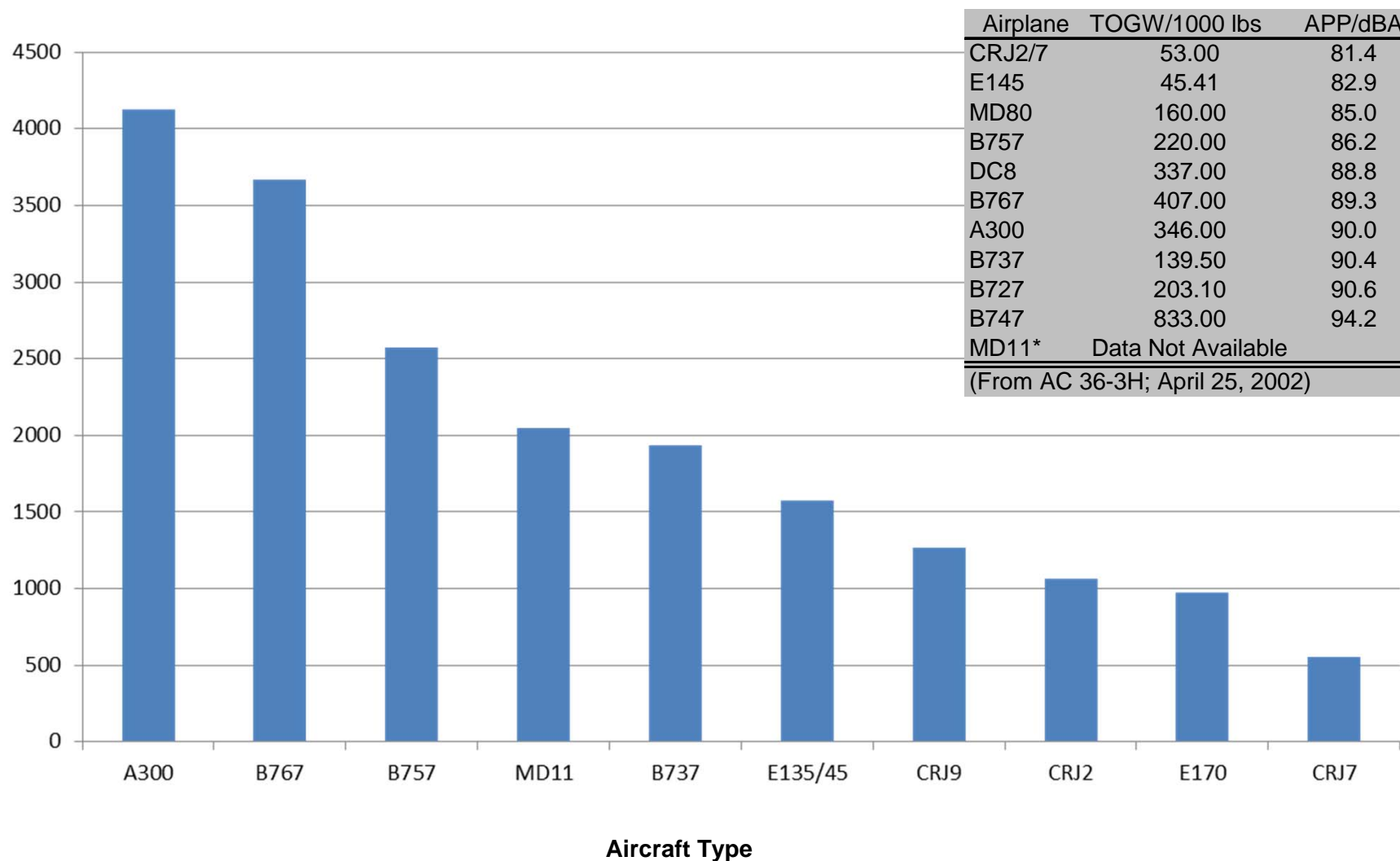
As of August 31, 2016

	ARRIVALS Percent Compliant					Departure Percent Compliant				
Month	17L	17R	35L	35R	ARR AVG	17L	17R	35L	35R	DEP AVG
Sep-14	81%	81%	81%	79%	81%	91%	88%	79%	92%	88%
Oct-14	82%	94%	88%	87%	88%	85%	88%	79%	92%	86%
Nov-14	80%	91%	91%	91%	88%	79%	92%	83%	87%	85%
Dec-14	91%	96%	93%	95%	94%	85%	89%	81%	88%	86%
Jan-15	80%	93%	90%	87%	88%	83%	93%	78%	88%	86%
Feb-15	80%	91%	87%	87%	86%	84%	93%	81%	92%	88%
Mar-15	78%	90%	88%	84%	85%	83%	88%	65%	86%	81%
Apr-15	83%	93%	80%	77%	83%	79%	86%	63%	82%	78%
May-15	79%	86%	84%	82%	83%	82%	87%	71%	90%	83%
Jun-15	80%	91%	87%	85%	86%	84%	89%	78%	91%	86%
Jul-15	86%	96%	88%	85%	89%	73%	86%	71%	87%	79%
Aug-15	81%	90%	82%	82%	84%	77%	88%	78%	88%	83%
Sep-15	79%	86%	84%	83%	83%	78%	88%	77%	91%	84%
Oct-15	82%	90%	88%	85%	86%	71%	88%	66%	86%	78%
Nov-16	82%	93%	87%	86%	87%	80%	88%	75%	87%	83%
Dec-16	89%	97%	93%	94%	93%	75%	90%	83%	90%	85%
Jan-16	83%	94%	89%	88%	89%	74%	90%	63%	83%	78%
Feb-16	80%	94%	91%	91%	89%	85%	89%	75%	83%	83%
Mar-16	85%	95%	89%	88%	89%	70%	87%	73%	85%	79%
Apr-16	80%	90%	86%	87%	86%	83%	83%	69%	82%	79%
May-16	82%	93%	86%	87%	87%	82%	87%	65%	88%	81%
Jun-16	77%	91%	85%	85%	85%	87%	88%	75%	85%	84%
Jul-16	84%	92%	88%	91%	89%	82%	88%	61%	88%	80%
Aug-16	85%	94%	87%	88%	89%	85%	88%	72%	89%	84%
24 Month Avg.					87%					82%

Source: Louisville International Airport
Aircraft Flight Tracking and Noise Management System (AFTNMS)

Operations by Aircraft Type (SDF) Only Top 10 Aircraft Types Shown

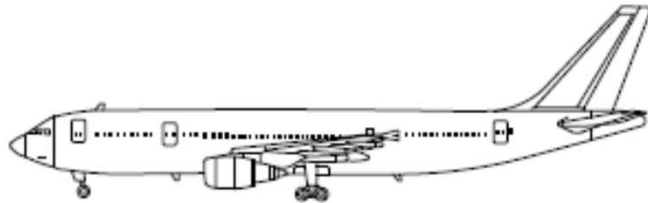
July / August 2016



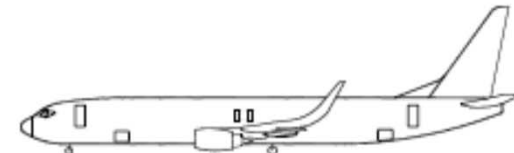
Source: Louisville International Airport

Aircraft Flight Tracking and Noise Management System (AFTNMS)

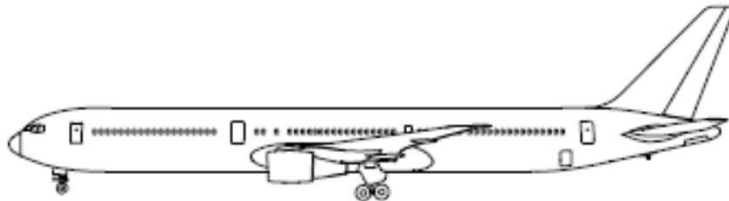
Sample Aircraft Types (SDF)



A300



B737



B767



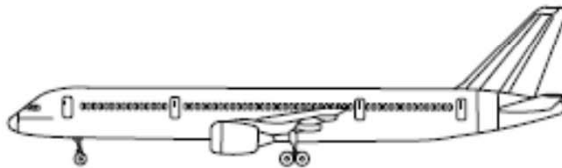
CRJ2



E135/45



E170



B757



MD80



MD11



CRJ9



**LOUISVILLE
REGIONAL
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Louisville International Airport Noise Exposure Map Update

Community Noise Forum Meeting

September 26, 2016



Welcome and Introductions

- **Consultant Team Members Present**
 - Diana Wasiuk, Project Manager, HMMH
 - Justin Divens, Modeling Lead, HMMH

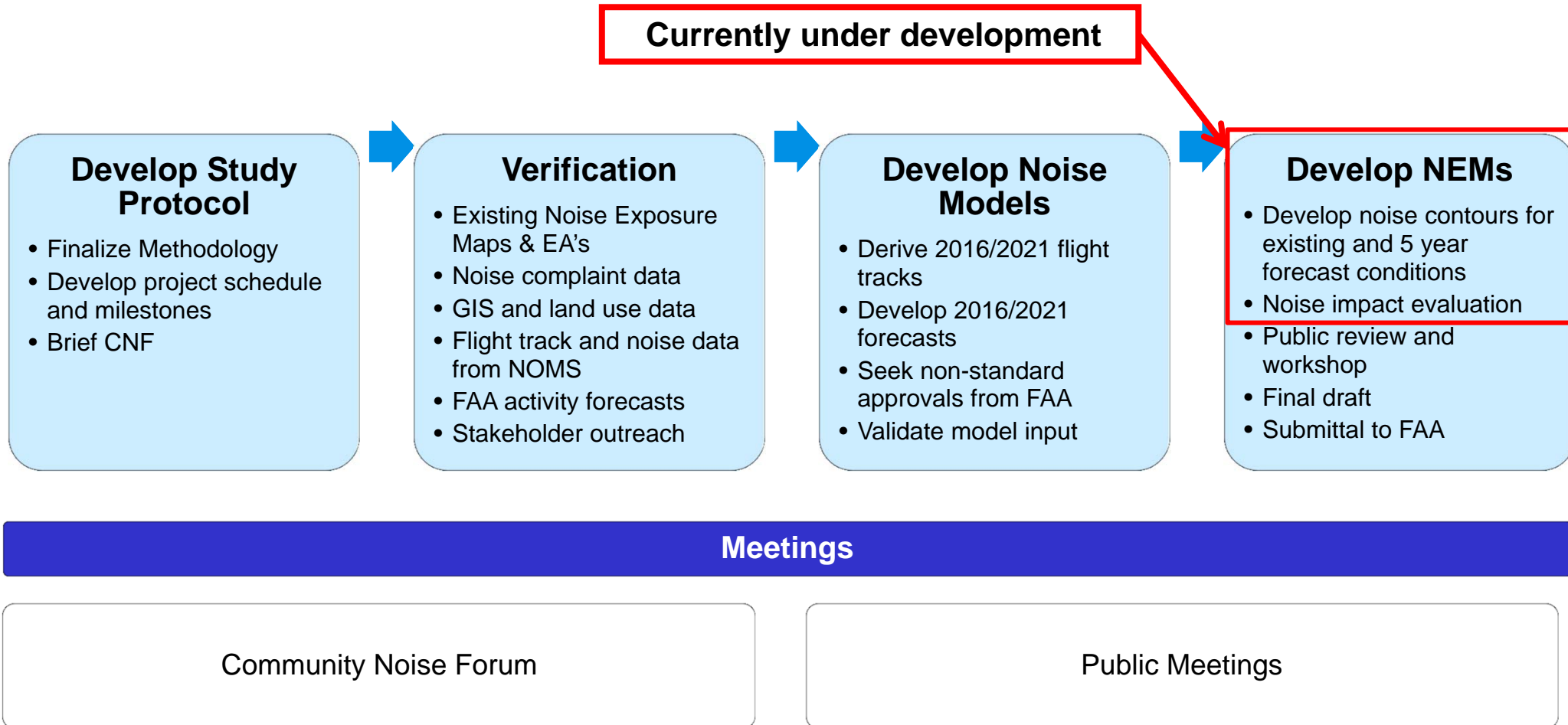
Louisville International NEM Update

Presentation Overview

- **NEM Progress to date**
 - **Modeling Assumptions Review**
 - **AEDT Update**
 - **Next Steps**
-

Louisville International NEM Update

Progress To Date



Louisville International NEM Update

Progress To Date

- **All non-standard requests have been approved by FAA**
 - **Forecast has been reviewed by FAA**
 - **Modeling assumptions have been finalized**
 - **Modeling of 2016 and 2021 contours is underway**
-

Louisville International NEM Update

Draft 2016 NEM: 2016 Existing Conditions Operations Summary

Category	Number of Forecast Annual Operations	Number of Annual Operations Modeled	Number of Daily Average Operations Modeled
Air Carrier	108,312	108,312	296.7
Air Taxi	26,109	26,109	71.5
General Aviation	12,039	11,516*	31.5
Military	3,336	3,336	9.1
Total	149,796	149,273	409.0

Notes:

* Explain circuit counting discrepancy between FAA Air Traffic and AEDT model.
Totals may not be exact due to rounding

Louisville International NEM Update

Draft 2016 NEM: 2016 Existing Conditions Operations – Average Annual Day

Operation Type	Arrivals		Departures	
	Day	Night	Day	Night
Air Carrier - Cargo	27.91	73.64	29.93	71.62
Air Taxi - Cargo	0.01	2.99	0.08	2.93
Air Carrier - Passenger	60.39	19.20	65.19	14.39
General Aviation	15.31	1.18	15.58	0.91
Military	4.18	0.39	4.45	0.12
Total	107.80	97.40	115.22	89.97

- For a more detailed version of this table with aircraft type included, please see Table 8 on page 8 in the Noise Modeling Inputs Memo provided

Louisville International NEM Update

Draft 2021 NEM: 2021 Forecast Conditions Operations Summary

Category	Number of Forecast Annual Operations	Number of Annual Operations Modeled	Number of Daily Average Operations Modeled
Air Carrier	127,327	127,327	348.8
Air Taxi	13,429	13,429	36.8
General Aviation	12,254	11,693*	32.0
Military	3,336	3,336	9.1
Total	156,345	155,784	426.8

Notes:

* Explain circuit counting discrepancy between FAA Air Traffic and AEDT model.
Totals may not be exact due to rounding

Louisville International NEM Update

Draft 2021 NEM: 2021 Forecast Conditions Operations – Average Annual Day

Operation Type	Arrivals		Departures	
	Day	Night	Day	Night
Air Carrier - Cargo	32.55	77.87	34.14	76.27
Air Taxi - Cargo	0.01	3.05	0.08	2.99
Air Carrier - Passenger	60.93	18.40	65.84	13.50
General Aviation	15.58	1.21	15.86	0.93
Military	4.18	0.39	4.45	0.12
Total	113.26	100.91	120.37	93.80

- For a more detailed version of this table with aircraft type included, please see Table 9 on page 11 in the Noise Modeling Inputs Memo provided

Louisville International NEM Update

Draft 2016/2021 NEM: Modeled Overall Runway Use Percentages

	Departures			Arrivals		
Runway	Day	Night	Total	Day	Night	Total
11	0.05%	0.01%	0.03%	0.04%	0.01%	0.03%
17L	31.03%	31.12%	31.08%	40.12%	16.00%	28.06%
17R	35.11%	48.55%	41.83%	23.23%	15.80%	19.52%
29	2.23%	0.04%	1.13%	1.84%	0.11%	0.98%
35L	9.01%	10.93%	9.97%	20.10%	41.39%	30.74%
35R	22.56%	9.35%	15.95%	14.66%	26.70%	20.68%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

- For a more detailed version of this table with operation type included, see Table 3 on page 3 in the noise modeling inputs memo provided

Louisville International NEM Update

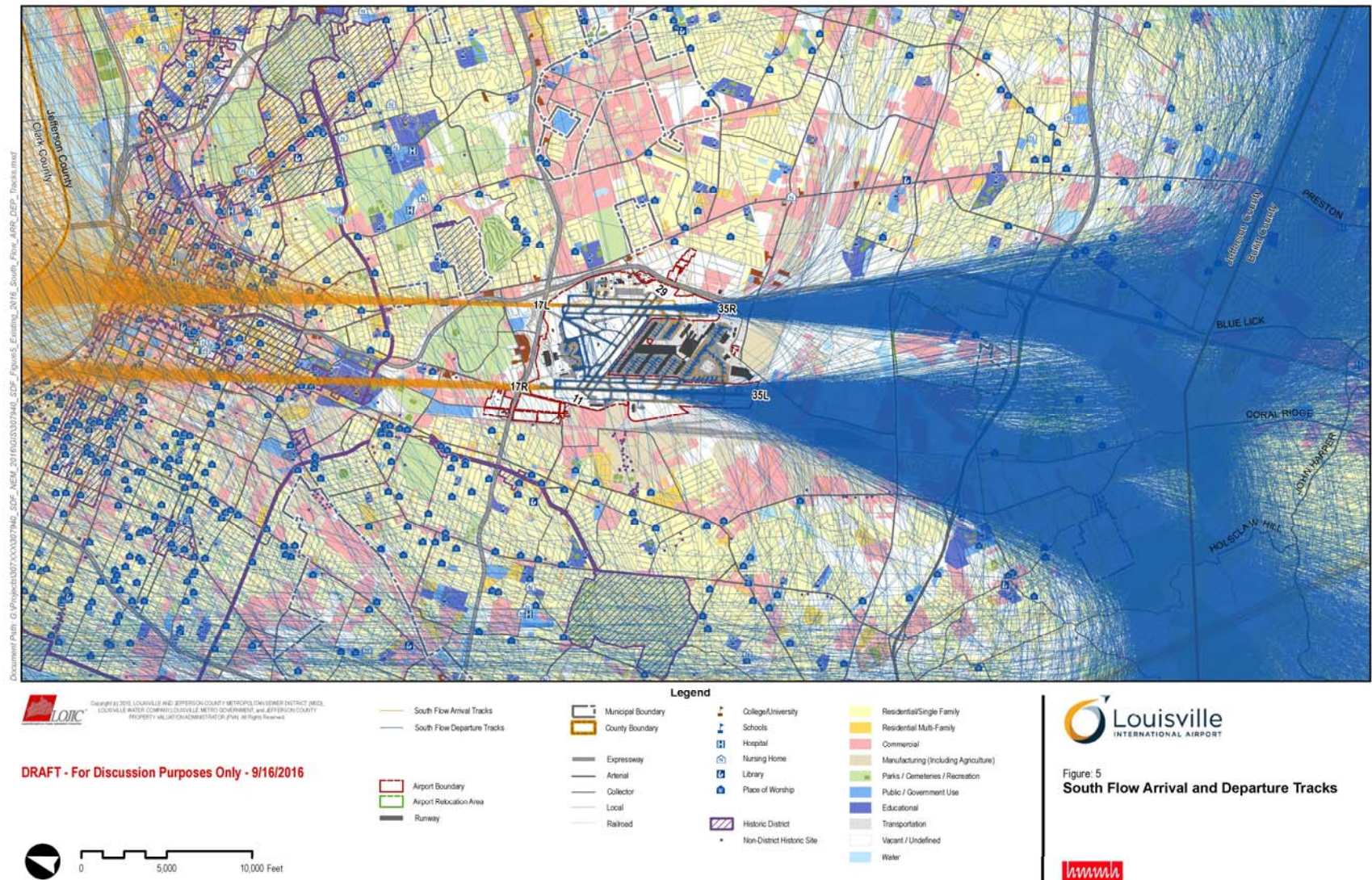
Annual Average Contraflow Percentages

Year	Arrival	Departure
2007	63%	79%
2008	63%	78%
2009	63%	78%
2010	72%	80%
2011	72%	76%
2012	66%	83%
2013	73%	82%
2014	70%	81%



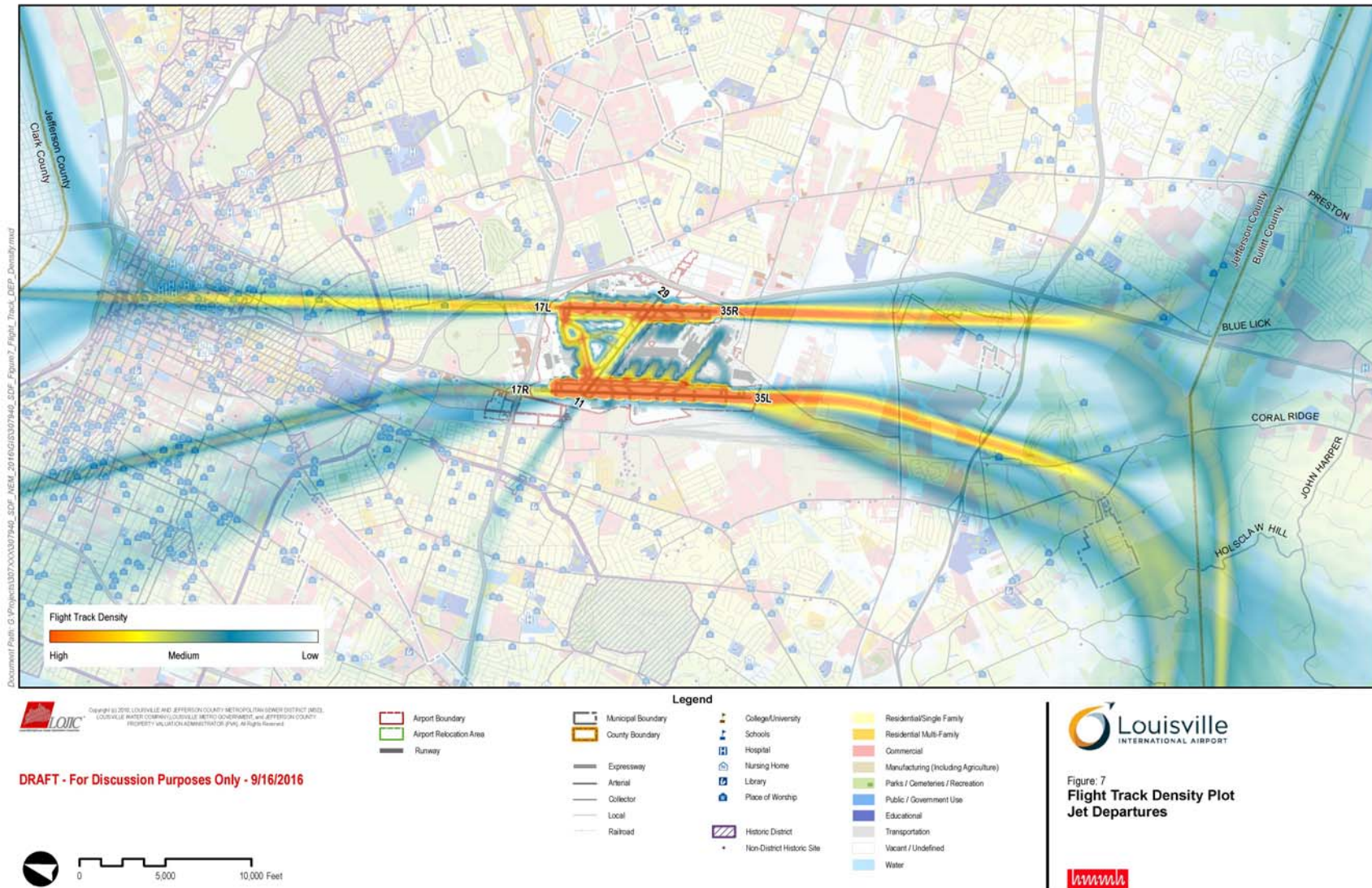
Louisville International NEM Update

2016/2021 South Flow Arrival and Departure Tracks



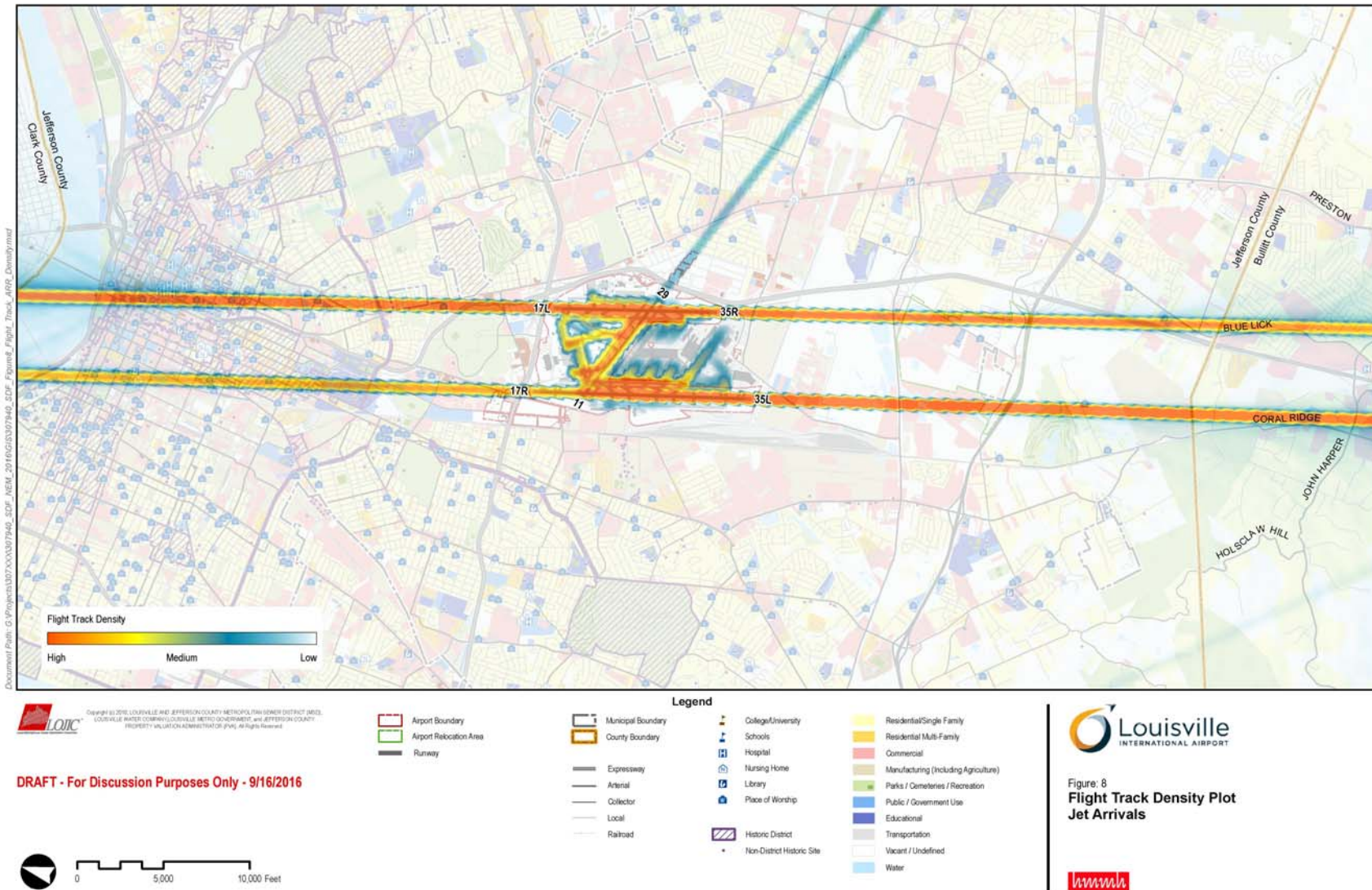
Louisville International NEM Update

2016/2021 Flight Track Density Plot for Jet Departures



Louisville International NEM Update

2016/2021 Flight Track Density Plot for Jet Arrivals



Louisville International NEM Update

AEDT Update

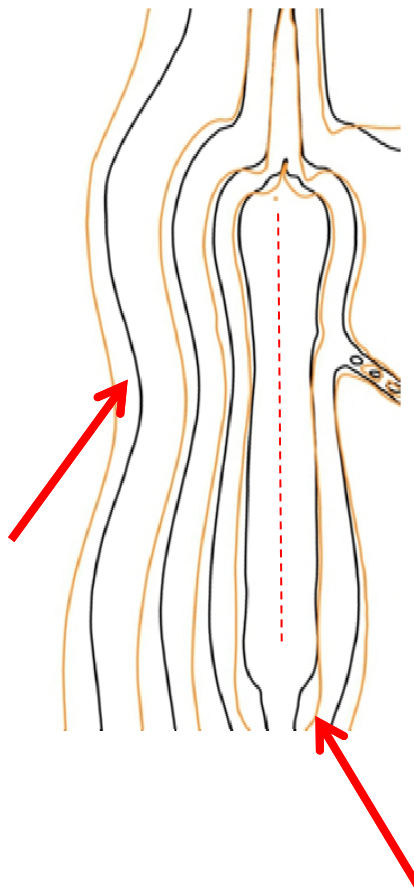
- Incorporating actual radar data for flight track development for 2016 and 2021
 - Scaling operations of radar flight tracks
- **Bumpy contours**
 - Caused by grid density (too low)
 - INM had a “recursive grid” option, that would increase the density of the grid points where needed. AEDT does not have the recursive option.
 - Fixed by increasing grid density
 - More than twice as many grid points now
 - Increased run time



Louisville International NEM Update

AEDT Update

- In the AEDT model, FAA requires the use of the atmospheric absorption type “**SAE-ARP-5534**”
 - This is different than the atmospheric absorption type used in INM.
 - FAA has acknowledged that some airports are seeing a “swelling” in their contours due to this change, primarily along sideline. **CNF review**
- Long run times due to lack of distributed computing



Louisville International NEM Update

Next Steps

- **Finalize draft contours**
 - CNF review
 - **Development of draft NEM document**
 - CNF review
 - **Public review period for draft NEM document**
 - 30-day review and comment period
 - Public workshop
 - Response to comments
 - **Submittal to FAA**
-