

# January 2017

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## Noise Oversight Committee (NOC) Technical Advisor's Report



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### Minneapolis-St. Paul International Airport



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# MSP Complaints by City

## January 2017

City	Arrival		Departure		Other		Number of Complaints	Number of Locations	% of Total Complaints
MINNEAPOLIS	3	284	10	225	42	1454	2018	92	27.1%
EAGAN	0	3	5	651	7	1078	1744	26	23.4%
INVER GROVE HEIGHTS	0	8	0	7	0	1466	1481	3	19.9%
RICHFIELD	0	0	18	184	253	14	469	16	6.3%
BURNSVILLE	0	1	0	411	1	12	425	5	5.7%
BLOOMINGTON	0	0	0	360	6	3	369	7	4.9%
ST. LOUIS PARK	0	185	0	1	0	16	202	4	2.7%
APPLE VALLEY	0	5	0	59	0	95	159	7	2.1%
MENDOTA HEIGHTS	0	0	0	122	0	17	139	11	1.9%
GOLDEN VALLEY	0	0	0	0	0	119	119	2	1.6%
EDINA	0	1	3	51	14	22	91	11	1.2%
EDEN PRAIRIE	0	51	0	0	0	9	60	5	0.8%
FALCON HEIGHTS	0	27	0	0	0	28	55	2	0.7%
COTTAGE GROVE	0	0	0	0	0	50	50	1	0.7%
MINNETONKA	0	15	0	0	4	14	33	4	0.4%
MOUNDS VIEW	0	1	0	1	0	8	10	1	0.1%
ROSEMOUNT	0	0	0	0	0	9	9	1	0.1%
SHOREWOOD	0	1	0	0	0	7	8	2	0.1%
SAINT PAUL	0	0	0	0	0	7	7	3	0.1%
PLYMOUTH	0	0	0	0	3	0	3	2	0%
ORONO	0	2	0	0	0	0	2	1	0%
SAVAGE	0	0	0	2	0	0	2	1	0%
CHANHASSEN	0	1	0	0	0	0	1	1	0%
TONKA BAY	0	0	0	0	0	1	1	1	0%
OTHER									0%
<b>Total</b>	<b>588</b>		<b>2110</b>		<b>4759</b>		<b>7457</b>	<b>209</b>	

Nature of MSP Complaints		
Complaint	Total	
Early/Late	73	1793
Engine Run-up	0	211
Excessive Noise	354	7125
Frequency	95	6499
Ground Noise	8	488
Helicopter	1	85
Low Flying	19	5014
Structural Disturbance	11	2747
Other	2	679
<b>Total</b>	<b>25204</b>	

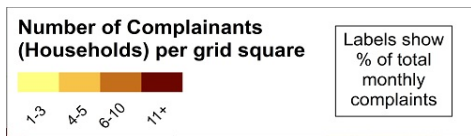
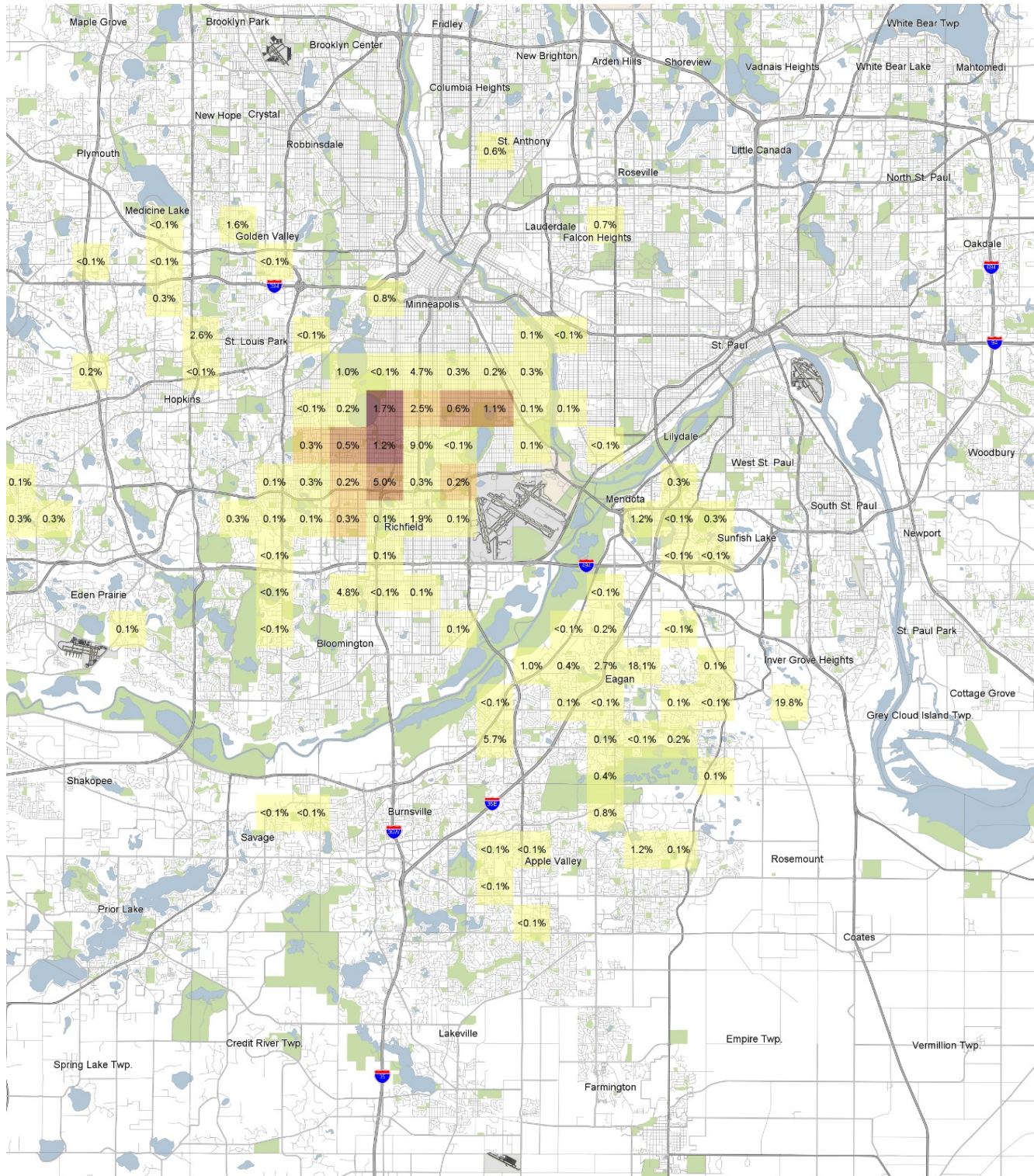
Time of Day		
Time	Total	
0000-0559	69	310
0600-0659	54	210
0700-1159	141	1895
1200-1559	36	1089
1600-1959	38	1562
2000-2159	14	1378
2200-2259	11	470
2300-2359	6	174
<b>Total</b>	<b>7457</b>	

Complaints by Airport	
Airport	Total
MSP	7457
Airlake	6
Anoka	79
Crystal	1
Flying Cloud	96
Lake Elmo	5
St. Paul	21
Misc.	95
<b>Total</b>	<b>7760</b>

Note: Shaded Columns represent MSP complaints filed via the Internet.  
Sum of % Total of Complaints may not equal 100% due to rounding.  
\*As of May 2005, the MSP Complaints by City report includes multiple complaint descriptors per individual complaint. Therefore, the number of complaint descriptors may be more than the number of reported complaints.



# MSP International Airport Aviation Noise Complaints for January 2017



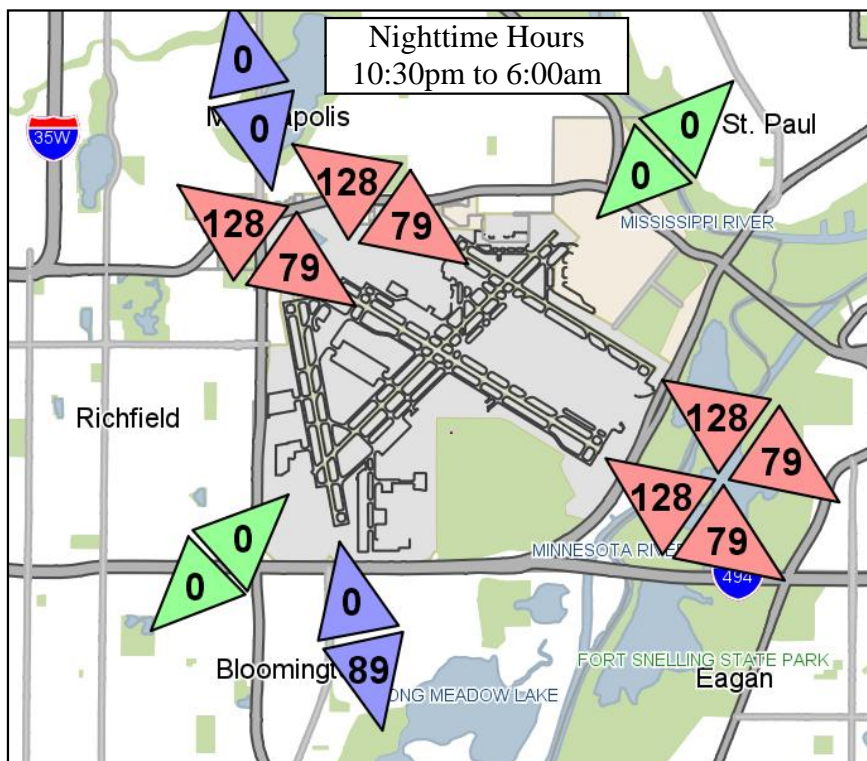
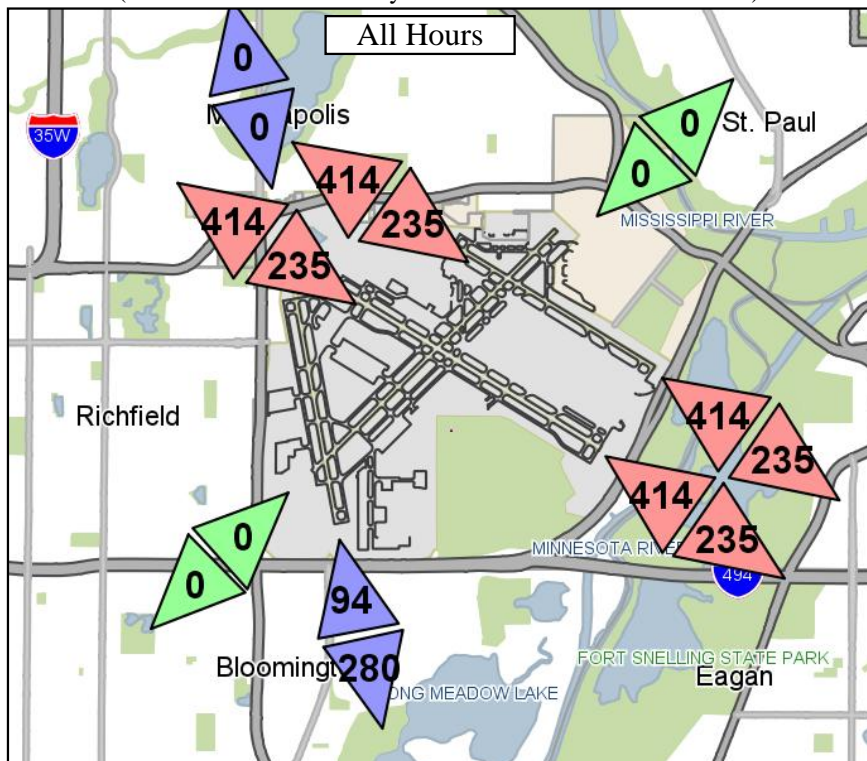
Complainant locations not shown on map: 2 from SHOREWOOD (8 complaints), 1 from ORONO (2 complaints), 1 from COTTAGE GROVE (50 complaints), 1 from CHANHASSEN (1 complaints), 1 from TONKA BAY (1 complaints), 1 from EDEN PRAIRIE (26 complaints), 1 from MOUNDS VIEW (10 complaints)



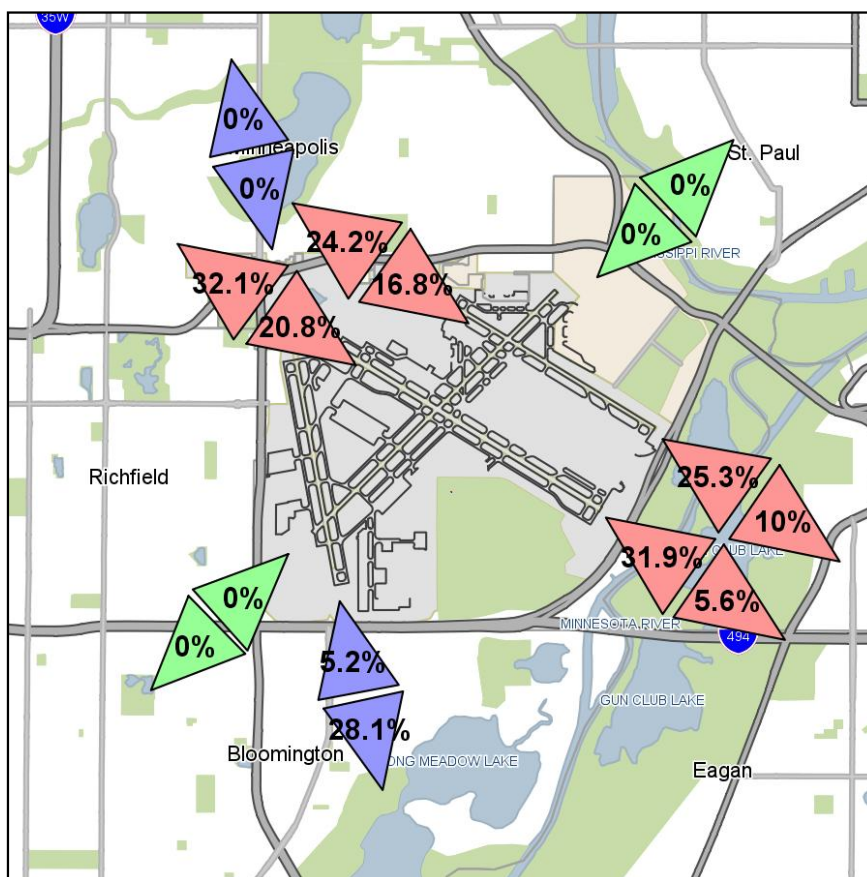
# Available Hours for Runway Use

## January 2017

(Source: FAA Aviation Systems Performance Metrics Data)



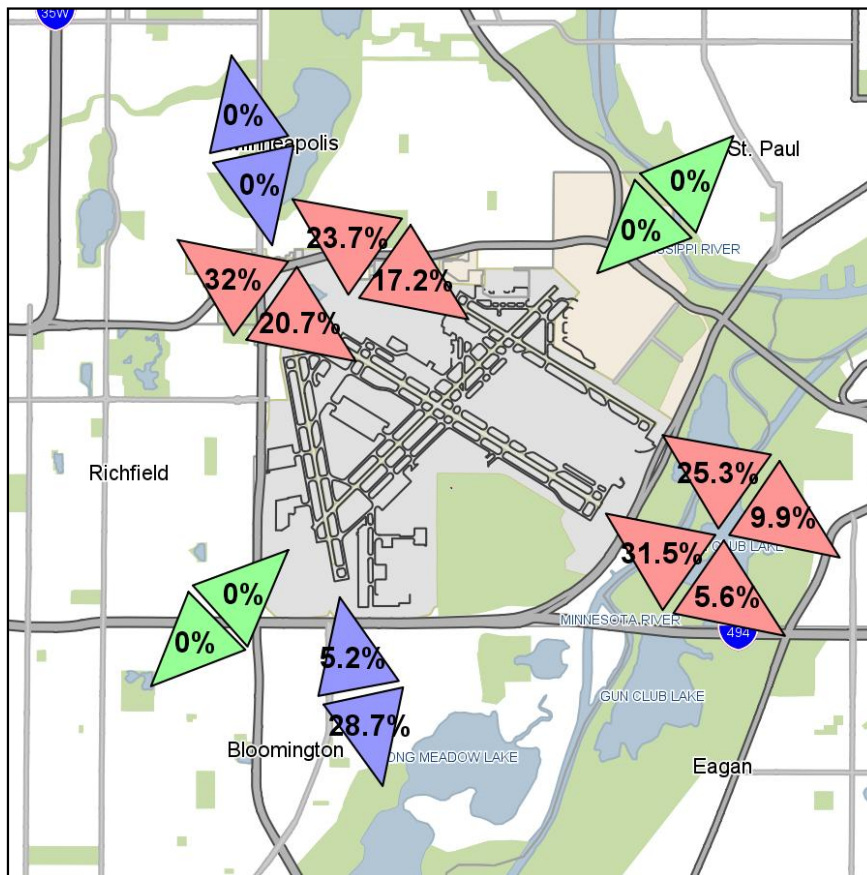
# All Operations Runway Use Report January 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	0	0%
12L	Arr	So. Minneapolis/No. Richfield	2676	16.8%	3188	20.2%
12R	Arr	So. Minneapolis/No. Richfield	3315	20.8%	3548	22.4%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	1	0%	0	0%
30L	Arr	Eagan/Mendota Heights	5092	31.9%	3830	24.2%
30R	Arr	Eagan/Mendota Heights	4037	25.3%	3518	22.3%
35	Arr	Bloomington/Eagan	835	5.2%	1724	10.9%
<b>Total Arrivals</b>			<b>15956</b>		<b>15808</b>	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	0	0%	0	0%
12L	Dep	Eagan/Mendota Heights	1599	10%	1872	11.9%
12R	Dep	Eagan/Mendota Heights	894	5.6%	949	6%
17	Dep	Bloomington/Eagan	4464	28.1%	4468	28.3%
22	Dep	So. Richfield/Bloomington	3	0%	3	0%
30L	Dep	So. Minneapolis/No. Richfield	5109	32.1%	4898	31%
30R	Dep	So. Minneapolis/No. Richfield	3843	24.2%	3599	22.8%
35	Dep	So. Minneapolis	0	0%	0	0%
<b>Total Departures</b>			<b>15912</b>		<b>15789</b>	
<b>Total Operations</b>			<b>31868</b>		<b>31597</b>	

Sum of RUS % may not equal 100% due to rounding.

# Carrier Jet Operations Runway Use Report January 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	0	0%
12L	Arr	So. Minneapolis/No. Richfield	2520	17.2%	2987	20.4%
12R	Arr	So. Minneapolis/No. Richfield	3040	20.7%	3241	22.1%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	0	0%
30L	Arr	Eagan/Mendota Heights	4617	31.5%	3462	23.6%
30R	Arr	Eagan/Mendota Heights	3710	25.3%	3351	22.8%
35	Arr	Bloomington/Eagan	765	5.2%	1629	11.1%
<b>Total Arrivals</b>			<b>14652</b>		<b>14670</b>	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	0	0%	0	0%
12L	Dep	Eagan/Mendota Heights	1451	9.9%	1639	11.2%
12R	Dep	Eagan/Mendota Heights	825	5.6%	873	6%
17	Dep	Bloomington/Eagan	4205	28.7%	4204	28.7%
22	Dep	So. Richfield/Bloomington	1	0%	0	0%
30L	Dep	So. Minneapolis/No. Richfield	4686	32%	4579	31.3%
30R	Dep	So. Minneapolis/No. Richfield	3463	23.7%	3357	22.9%
35	Dep	So. Minneapolis	0	0%	0	0%
<b>Total Departures</b>			<b>14631</b>		<b>14652</b>	
<b>Total Operations</b>			<b>29283</b>		<b>29322</b>	

Sum of RUS % may not equal 100% due to rounding.



## January 2017 MSP Carrier Jet Fleet Composition

Type	FAR Part 36 Take-Off Noise Level <sup>1</sup>	Aircraft Description	Stage	Count	Percent
A124	109.9	Antonov An-124	3	2	0%
DC10	101.8	McDonnell Douglas DC10	3	35	0.1%
B744	101.6	Boeing 747-400	3	1	0%
B777	96.2	Boeing 777	3	65	0.2%
B763	95.7	Boeing 767-300	3	256	0.9%
A330	95.6	Airbus Industries A330	3	307	1%
MD11	92.8	McDonnell Douglas MD11	3	194	0.7%
B762	92.1	Boeing 767-200	3	47	0.2%
MD80	91.5	McDonnell Douglas MD80	3	641	2.2%
A300	91.5	Airbus Industries A300	3	2	0%
B757	91.4	Boeing 757-200	3	1465	5%
B764	91.2	Boeing 767-400	3	1	0%
DC9Q	91	McDonnell Douglas DC9 Modified Stage 3	3	2	0%
A321	89.8	Airbus Industries A321	3	71	0.2%
B734	88.9	Boeing 737-400	3	20	0.1%
B738	88.6	Boeing 737-800	3	2803	9.6%
B739	88.4	Boeing 737-900	3	1169	4%
A320	87.8	Airbus Industries A320	3	2801	9.6%
B733	87.5	Boeing 737-300	3	236	0.8%
A319	87.4	Airbus Industries A319	3	1906	6.5%
E190	86.9	Embraer 190	3	156	0.5%
B7377	85.9	Boeing 737-700	3	1522	5.2%
CRJ9	84.6	Canadair Regional Jet CRJ-900	3	4019	13.7%
E170	84.6	Embraer 170	3	2525	8.6%
MD90	84.2	McDonnell Douglas MD90	3	2337	8%
B717	84.1	Boeing 717	3	972	3.3%
E145	83.7	Embraer 145	3	34	0.1%
CRJ7	83.2	Canadair Regional Jet CRJ-700	3	843	2.9%
CRJ1	79.8	Canadair Regional Jet CRJ-100	3	46	0.2%
CRJ2	78.7	Canadair Regional Jet CRJ-200	3	4787	16.3%
E135	77.9	Embraer 135	3	16	0.1%
J328	76.5	Fairchild Dornier 328	3	2	0%
<b>Totals</b>				<b>29283</b>	

Sum of fleet mix % may not equal 100% due to rounding.

	Count	Current Percent	Last Year Percent <sup>2</sup>
Stage 2	0	0%	0%
Stage 3	2	0%	0%
Stage 3 Manufactured	29281	100%	100%
<b>Total Stage 3</b>	<b>29283</b>		

NOTE 1: Stage 3 represent aircraft modified to meet all Stage 3 criteria as outlined in Federal Aviation Regulation (FAR) Part 36. This includes hushkit engines, engine retrofits or aircraft operational flight configurations.

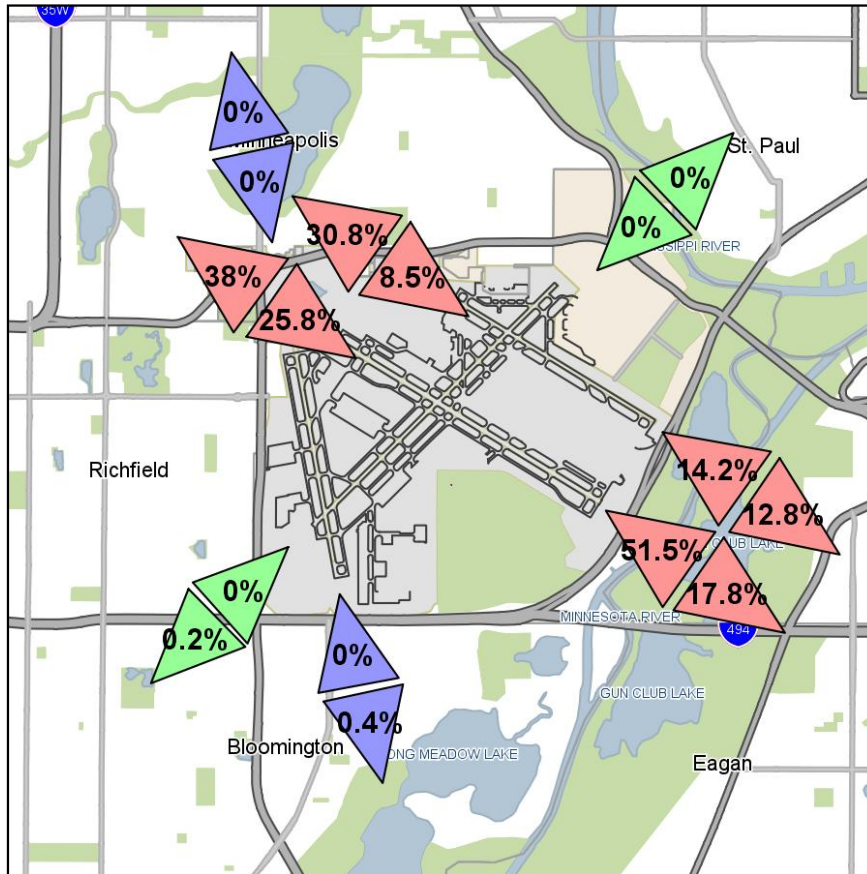
-The Provided Noise levels from FAR Part 36 are the loudest levels documented for the representative aircraft type during take-off measured in EPNL dBA (Effective Perceived Noise Level).

-EPNL is the level of the time integral of the antilogarithm of one-tenth of tone-corrected perceived noise level of an aircraft flyover measured in A-weighted decibels.

NOTE 2: Due to flight tracking data enhancements, the air carrier operations counts for Last Year included in this report have been updated to reflect revised aircraft type counts. Please refer to the interactive reports at [www.macnoise.com](http://www.macnoise.com) for detailed information regarding aircraft types.



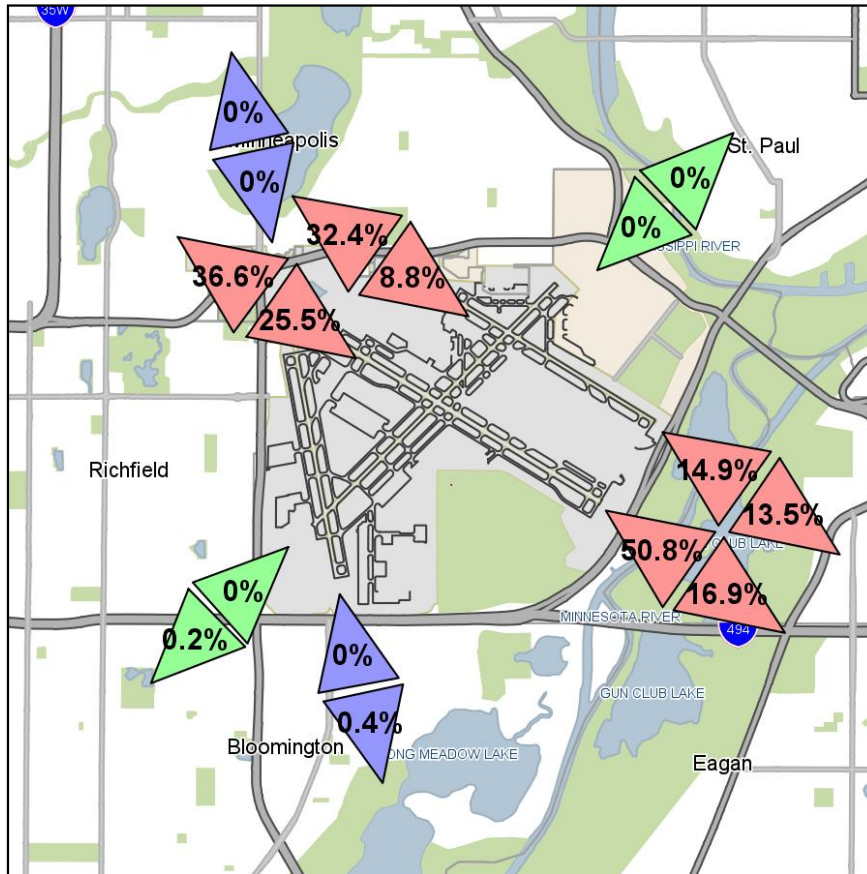
# Nighttime All Operations 10:30 p.m. to 6:00 a.m. Runway Use Report January 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	0	0%
12L	Arr	So. Minneapolis/No. Richfield	115	8.5%	176	13.7%
12R	Arr	So. Minneapolis/No. Richfield	349	25.8%	244	19%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	0	0%
30L	Arr	Eagan/Mendota Heights	698	51.5%	637	49.7%
30R	Arr	Eagan/Mendota Heights	193	14.2%	223	17.4%
35	Arr	Bloomington/Eagan	0	0%	1	0.1%
<b>Total Arrivals</b>			<b>1355</b>		<b>1281</b>	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	0	0%	0	0%
12L	Dep	Eagan/Mendota Heights	71	12.8%	74	12.5%
12R	Dep	Eagan/Mendota Heights	99	17.8%	143	24.2%
17	Dep	Bloomington/Eagan	2	0.4%	42	7.1%
22	Dep	So. Richfield/Bloomington	1	0.2%	0	0%
30L	Dep	So. Minneapolis/No. Richfield	211	38%	197	33.4%
30R	Dep	So. Minneapolis/No. Richfield	171	30.8%	134	22.7%
35	Dep	So. Minneapolis	0	0%	0	0%
<b>Total Departures</b>			<b>555</b>		<b>590</b>	
<b>Total Operations</b>			<b>1910</b>		<b>1871</b>	

Sum of RUS % may not equal 100% due to rounding.

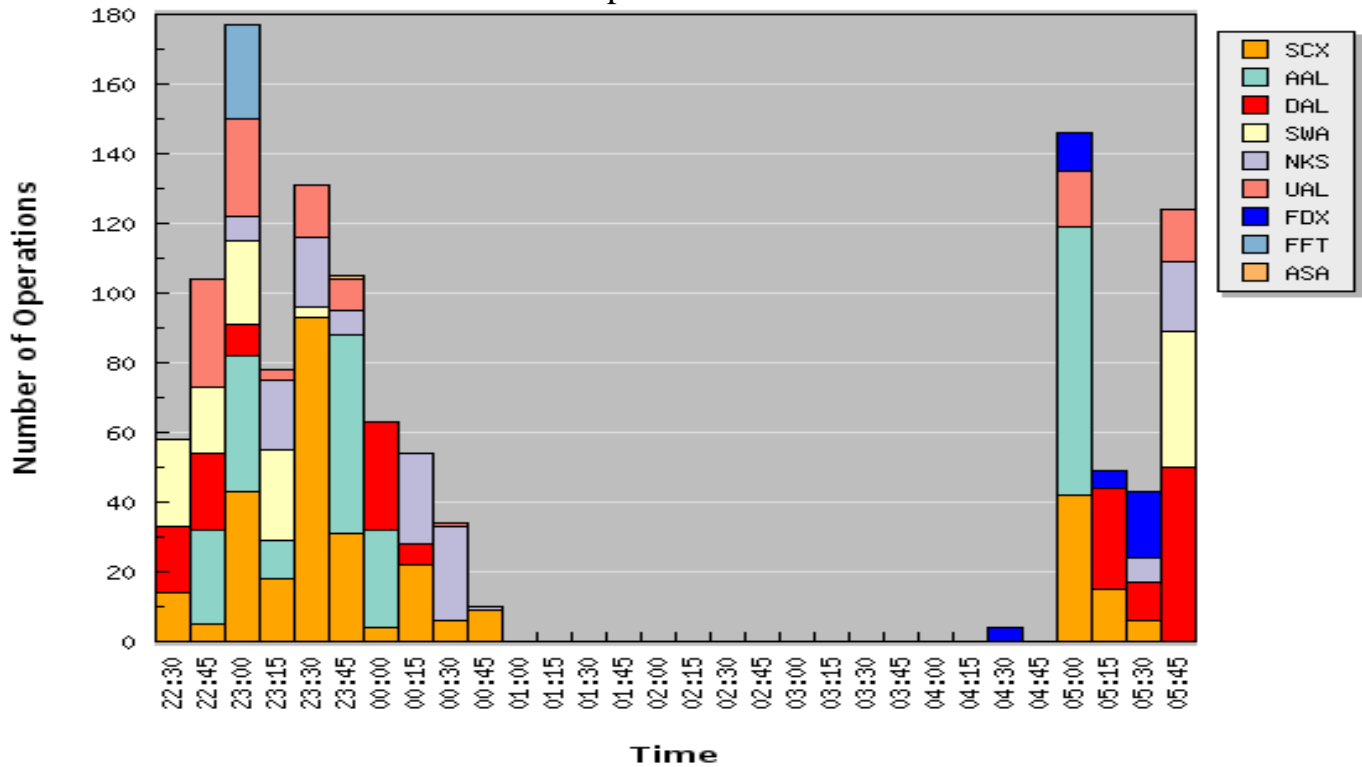
# Nighttime Carrier Jet Operations 10:30 p.m. to 6:00 a.m. Runway Use Report January 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	0	0%
12L	Arr	So. Minneapolis/No. Richfield	114	8.8%	165	13.5%
12R	Arr	So. Minneapolis/No. Richfield	331	25.5%	235	19.3%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	0	0%
30L	Arr	Eagan/Mendota Heights	660	50.8%	602	49.3%
30R	Arr	Eagan/Mendota Heights	193	14.9%	217	17.8%
35	Arr	Bloomington/Eagan	0	0%	1	0.1%
<b>Total Arrivals</b>			<b>1298</b>		<b>1220</b>	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	0	0%	0	0%
12L	Dep	Eagan/Mendota Heights	71	13.5%	73	13.1%
12R	Dep	Eagan/Mendota Heights	89	16.9%	137	24.5%
17	Dep	Bloomington/Eagan	2	0.4%	41	7.3%
22	Dep	So. Richfield/Bloomington	1	0.2%	0	0%
30L	Dep	So. Minneapolis/No. Richfield	193	36.6%	174	31.1%
30R	Dep	So. Minneapolis/No. Richfield	171	32.4%	134	24%
35	Dep	So. Minneapolis	0	0%	0	0%
<b>Total Departures</b>			<b>527</b>		<b>559</b>	
<b>Total Operations</b>			<b>1825</b>		<b>1779</b>	

Sum of RUS % may not equal 100% due to rounding.

February 2017 Nighttime Scheduled Carrier Jet Operations  
10:30 p.m. to 6:00 a.m.



February 2017 Nighttime Scheduled Carrier Jet Operations  
10:30 p.m. to 6:00 a.m.

Airline	Stage 2	Stage 3	Manufactured Stage 3	Total
Sun Country (SCX)	0	0	308	308
American (AAL)	0	0	239	239
Delta (DAL)	0	0	177	177
Southwest (SWA)	0	0	136	136
Spirit (NKS)	0	0	135	135
United (UAL)	0	0	118	118
Fedex (FDX)	0	0	39	39
Frontier Airlines (FFT)	0	0	27	27
Alaska (ASA)	0	0	1	1
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1180</b>	<b>1180</b>



## February 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
22:30	D	Delta	5786	E175	M	MTWThFSu	MSP DLH
22:30	A	Sun Country	346	B738	M	MTWThF	MCO MSP
22:35	A	Southwest	1780	738	M	MTWThF	FLL ATL MSP
22:35	A	Southwest	5202	738	M	S	PHX MSP
22:35	A	Southwest	6444	B737	M	Su	STL MSP
22:43	A	Delta	702	A320	M	MTWThFSSu	CUN MSP
22:47	A	Delta	356	B757	M	Su	LIR ATL MSP
22:49	A	United	669	A320	M	Th	SMF DEN MSP
22:50	A	Southwest	4834	B737	M	T	PDX DEN MSP
22:50	A	Southwest	3101	B737	M	MTWThF	PDX DEN MSP
22:51	A	American	239	B738	M	MTWThFSSu	DFW MSP
22:51	A	Delta	356	B757	M	MThSu	LIR ATL MSP
22:51	A	Delta	806	B753	M	F	ATL MSP
22:51	A	Delta	356	MD90	M	Th	LIR ATL MSP
22:52	A	United	627	A320	M	SSu	ORD MSP
22:53	A	United	1608	A319	M	Su	IAH MSP
22:53	A	United	627	B739	M	S	ORD MSP
22:53	A	Delta	505	B757	M	S	SXM MSP
22:53	A	Delta	702	A320	M	MTWThFSSu	CUN MSP
22:53	A	United	627	B737	M	MTWThF	DCA ORD MSP
22:54	A	United	302	A320	M	S	IAH MSP
22:55	A	Sun Country	732	B737	M	S	SXM MSP
22:55	A	United	302	B737	M	Su	IAH MSP
22:55	A	United	302	B739	M	MTWThF	IAH MSP
22:55	A	United	2353	E170	M	W	DSM MSP
22:56	A	American	239	B738	M	MTWThFSSu	DFW MSP
22:58	A	Sun Country	618	B738	M	M	PSP MSP
22:59	A	United	669	A320	M	MTF	SMF DEN MSP
23:00	D	United	2312	E145	M	Su	MSP SCE
23:00	D	United	2319	E145	M	Th	MSP BMG
23:00	A	United	5593	E170	M	MTWThFS	LAX MSP
23:00	A	Southwest	1385	B737	M	MTWThF	DTW STL MSP
23:04	A	American	1083	B738	M	MTWThFSSu	MIA MSP
23:05	A	Southwest	2714	B737	M	Su	HOU DEN MSP
23:05	A	Sun Country	404	B737	M	MTWF	SAN MSP
23:05	A	Southwest	2185	B737	M	Su	HOU DEN MSP
23:06	A	Delta	356	B739	M	Su	LIR ATL MSP
23:06	A	United	669	A320	M	F	SMF DEN MSP
23:06	A	Delta	505	B757	M	S	SXM MSP
23:07	A	United	669	A320	M	MTWThF	SMF DEN MSP
23:08	A	United	669	B738	M	Su	DEN MSP
23:08	A	United	1124	A320	M	Su	EWR MSP
23:09	A	United	1124	B739	M	Su	EWR MSP
23:09	A	Sun Country	254	B737	M	ThSu	BOS MSP
23:10	A	Delta	356	B739	M	ThSu	LIR ATL MSP
23:10	A	Delta	2331	B739	M	MF	ATL MSP
23:10	A	American	2355	B738	M	MTWThFSu	ORD MSP
23:11	A	Sun Country	248	B737	M	ThSu	JFK MSP
23:11	A	United	669	A320	M	Th	SMF DEN MSP
23:11	A	Spirit	428	A320	M	MTWThFSSu	TPA MSP

## February 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
23:12	A	United	5593	E170	M	Su	LAX MSP
23:12	A	Frontier Airlines	332	A320	M	WThF	DEN MSP
23:13	A	Sun Country	396	B737	M	TWF	SFO MSP
23:13	A	Frontier Airlines	332	A320	M	MTWThFSSu	DEN MSP
23:15	A	American	2355	B738	M	MTWThFSu	ORD MSP
23:15	D	Sun Country	781	B738	M	MSu	MSP SJU
23:15	A	United	669	A320	M	M	SMF DEN MSP
23:15	A	Spirit	170	A320	M	MTWThFSSu	LAS MSP
23:15	A	United	669	B739	M	Su	SMF DEN MSP
23:20	A	Southwest	3795	B737	M	Su	ATL STL MSP
23:20	A	Southwest	4139	738	M	MTWThF	MDW MSP
23:25	A	United	302	B739	M	T	IAH MSP
23:25	A	Southwest	3690	738	M	Su	ATL MSP
23:27	A	Sun Country	370	B738	M	MThFSu	TPA MSP
23:30	A	Southwest	3028	B737	M	Su	MDW MSP
23:32	A	Sun Country	608	B737	M	S	PHX MSP
23:32	A	Sun Country	608	B738	M	MTWThFSSu	PHX MSP
23:32	A	Sun Country	106	B737	M	FSu	LAS MSP
23:32	A	Sun Country	106	B738	M	TWThFS	LAS MSP
23:34	A	United	5593	E170	M	MTWThFSSu	LAX MSP
23:34	A	United	669	A320	M	Su	SMF DEN MSP
23:35	A	Sun Country	582	B738	M	S	CUN MSP
23:37	A	Sun Country	388	B738	M	MTWThFSSu	RSW MSP
23:42	A	Sun Country	236	B738	M	MTTh	DCA MSP
23:42	A	Spirit	428	A320	M	MTWThFSSu	TPA MSP
23:42	A	Sun Country	426	B738	M	MTWTh	LAX MSP
23:42	A	Sun Country	426	B737	M	MTW	LAX MSP
23:42	A	Sun Country	236	B737	M	MTWThF	DCA MSP
23:45	A	Sun Country	346	B738	M	S	MCO MSP
23:50	A	Sun Country	548	B738	M	F	SJD MSP
23:50	A	Sun Country	548	B737	M	F	SJD MSP
23:53	A	American	4636	E175	M	MTWThFSu	DCA MSP
23:53	A	American	4636	E175	M	MTWThFSu	ATL DCA MSP
23:57	A	American	2039	A320	M	WThFSSu	FLL CLT MSP
23:57	A	American	1744	A321	M	MTWThFSSu	LAS PHX MSP
23:57	A	American	2039	A320	M	MTWThFSu	PBI CLT MSP
23:57	A	American	2039	A319	M	S	SAT CLT MSP
23:58	A	Sun Country	618	B737	M	MThS	PSP MSP
23:58	A	Sun Country	618	B738	M	MTWThFSu	PSP MSP
23:58	A	Alaska	28	738	M	Th	SEA MSP
23:59	A	Spirit	170	A320	M	MTWThFSSu	LAS MSP
23:59	A	United	5315	E170	M	MTWThFSu	SFO MSP
00:03	A	Delta	939	B739	M	MSu	ATL MSP
00:04	A	Delta	806	B757	M	Su	ATL MSP
00:04	A	Delta	1299	B739	M	M	ATL MSP
00:06	A	Delta	1168	A319	M	MTWThFS	SLC MSP
00:06	A	Delta	806	MD90	M	Su	ATL MSP
00:07	A	Delta	806	B739	M	W	ATL MSP
00:07	A	Delta	1299	A320	M	F	ATL MSP
00:07	A	Delta	356	B739	M	WTh	LIR ATL MSP

## February 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
00:07	A	Delta	1299	B739	M	MTF	ATL MSP
00:09	A	American	1180	B738	M	MTWThFSSu	LAX MSP
00:10	A	Sun Country	540	B737	M	MSu	PVR MSP
00:11	A	Delta	939	B739	M	MTFS	ATL MSP
00:11	A	Delta	356	B739	M	WTh	LIR ATL MSP
00:20	D	Spirit	597	A320	M	MTWThFSSu	MSP FLL
00:20	A	Sun Country	548	B738	M	MSu	SJD MSP
00:20	A	Sun Country	548	B737	M	M	SJD MSP
00:27	A	Sun Country	108	B738	M	MTWThFS	LAS MSP
00:27	A	Sun Country	108	B737	M	S	LAS MSP
00:27	A	Delta	2426	B739	M	MTWThS	SLC MSP
00:30	A	Sun Country	594	B738	M	SSu	MZT MSP
00:32	A	United	5385	E170	M	M	SFO MSP
00:40	A	Spirit	596	A320	M	MTWThFSSu	FLL MSP
00:44	A	Spirit	596	A320	M	MTWThFSSu	FLL MSP
00:50	A	Sun Country	544	B738	M	MSSu	CUN MSP
00:50	D	Spirit	597	A320	M	Th	MSP FLL
04:25	A	Fedex	8364	FA20		TWThF	
04:42	A	Fedex	1777	B757	M	F	
05:00	D	United	1873	B739	M	S	MSP IAH
05:00	D	American	2340	B738	M	MTWThFS	MSP ORD
05:00	D	United	1873	B737	M	MTWThF	MSP IAH
05:00	D	United	1873	B738	M	Th	MSP IAH
05:00	D	United	6184	E170	M	MThS	MSP IAH
05:00	A	Sun Country	110	B738	M	MTWThFSSu	LAS MSP
05:00	D	United	3583	E170	M	Su	MSP IAH
05:00	D	United	1873	A319	M	M	MSP IAH
05:07	A	Sun Country	610	B738	M	MTWThFSSu	PHX MSP
05:07	A	Sun Country	610	B737	M	W	PHX MSP
05:09	D	American	1756	A320	M	MTWThFSu	MSP CLT BDL
05:09	D	American	1910	A320	M	S	MSP CLT LGA
05:09	D	American	1946	A319	M	Su	MSP CLT ORD
05:10	D	American	1252	B738	M	MTWThFSSu	MSP MIA
05:12	A	Fedex	1718	MD11	M	TWTh	
05:15	A	Fedex	1718	MD11	M	F	
05:15	D	Delta	1991	B739	M	S	MSP ATL
05:18	A	Sun Country	430	B738	M	MS	LAX MSP
05:20	D	Delta	1991	B739	M	MTWThFSu	MSP ATL
05:20	D	Delta	1991	B757	M	F	MSP ATL
05:23	D	Delta	1991	B757	M	MTWThFSu	MSP ATL
05:23	D	Delta	1991	MD80	M	Su	MSP ATL
05:23	D	Delta	1991	B753	M	S	MSP ATL
05:25	A	Fedex	1555	B757	M	T	
05:27	A	Delta	1173	MD90	M	M	SFO MSP
05:27	A	Delta	1717	B763	M	S	PHX MSP
05:28	A	Sun Country	398	B737	M	M	SFO MSP
05:28	A	Sun Country	398	B738	M	F	SFO MSP
05:29	A	Delta	1717	B757	M	F	PHX MSP
05:30	A	Delta	1717	B763	M	MTWThF	PHX MSP
05:30	D	Sun Country	563	B738	M	SSu	MSP CUN



## February 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
05:36	A	Fedex	1407	MD11	M	TWThFS	
05:39	A	Spirit	612	A319	M	MTWThFSSu	LAS MSP ORD
05:40	A	Delta	1492	A333	M	MSu	HNL MSP
05:41	A	Delta	752	A333	M	M	HNL MSP
05:43	A	Delta	2440	738	M	S	SEA MSP
05:45	D	Southwest	251	B737	M	MTWThF	MSP MDW BNA
05:45	D	Southwest	1841	B737	M	T	MSP MDW BNA
05:45	A	Delta	2440	738	M	MThF	SEA MSP
05:45	A	Delta	1173	MD90	M	MTF	SFO MSP
05:46	A	Delta	1492	A333	M	MTWThFS	HNL MSP
05:47	A	Delta	1173	MD90	M	S	SFO MSP
05:47	A	Delta	752	A333	M	MTThFS	HNL MSP
05:48	A	Delta	2440	B739	M	Su	SEA MSP
05:48	A	Delta	2440	738	M	S	SEA MSP
05:48	A	Spirit	612	A319	M	MTWThFSSu	LAS MSP ORD
05:50	D	Southwest	1161	738	M	MTWThF	MSP STL MCO
05:51	A	Delta	2440	738	M	MThF	SEA MSP
05:51	A	Delta	2440	B739	M	Su	SEA MSP
05:54	D	United	5559	E170	M	S	MSP DEN
05:55	D	United	1864	A320	M	ThF	MSP DEN
05:55	D	United	754	A320	M	MTWF	MSP EWR
05:55	D	United	1864	B738	M	M	MSP DEN
05:55	D	United	754	B739	M	Th	MSP EWR
05:56	A	Delta	1450	B753	M	Su	LAS MSP
05:57	A	Delta	2486	738	M	Su	LAS MSP
05:57	A	Delta	2486	B753	M	S	LAS MSP
05:58	A	Delta	1450	B753	M	MTWThFSu	LAS MSP
05:59	A	Delta	2486	B757	M	M	LAS MSP
05:59	A	Delta	2486	B753	M	MTF	LAS MSP

## January 2017 Top 15 Actual Nighttime Jet Operators by Type 10:30 p.m. to 6:00 a.m.

Total Nighttime Jet  
Operations by Hour

Hour	Count
2230	445
2300	611
2400	192
100	64
200	38
300	28
400	81
500	366
<b>TOTAL</b>	<b>1825</b>

Airline	ID	Stage	Type	Count
Alaska	ASA	3	B7377	2
Alaska	ASA	3	B738	3
Alaska	ASA	3	B739	21
American	AAL	3	MD80	12
American	AAL	3	A319	17
American	AAL	3	A320	50
American	AAL	3	B738	156
Compass	CPZ	3	E170	25
Delta	DAL	3	B777	1
Delta	DAL	3	B763	7
Delta	DAL	3	MD80	9
Delta	DAL	3	B738	17
Delta	DAL	3	B717	26
Delta	DAL	3	A330	28
Delta	DAL	3	A319	29
Delta	DAL	3	B739	58
Delta	DAL	3	MD90	72
Delta	DAL	3	A320	79
Delta	DAL	3	B757	89
Endeavor Air	EDV	3	CRJ2	8
Endeavor Air	EDV	3	CRJ9	69
Fedex	FDX	3	DC10	3
Fedex	FDX	3	B757	4
Fedex	FDX	3	MD11	23
Frontier Airlines	FFT	3	A321	1
Frontier Airlines	FFT	3	A319	2
Frontier Airlines	FFT	3	A320	27
Mesa Airlines	ASH	3	E170	20
Republic Airlines	RPA	3	E170	35
Skywest Airlines	SKW	3	CRJ7	1
Skywest Airlines	SKW	3	E170	38
Skywest Airlines	SKW	3	CRJ2	57
Skywest Airlines	SKW	3	CRJ9	59
Southwest	SWA	3	B733	8
Southwest	SWA	3	B738	33
Southwest	SWA	3	B7377	78
Spirit	NKS	3	A319	30
Spirit	NKS	3	A320	120
Sun Country	SCX	3	B7377	117
Sun Country	SCX	3	B738	216
United	UAL	3	B7377	2
United	UAL	3	B739	2
United	UAL	3	B738	5
United	UAL	3	A319	15
United	UAL	3	A320	30
UPS	UPS	3	MD11	17

Continued on next page.

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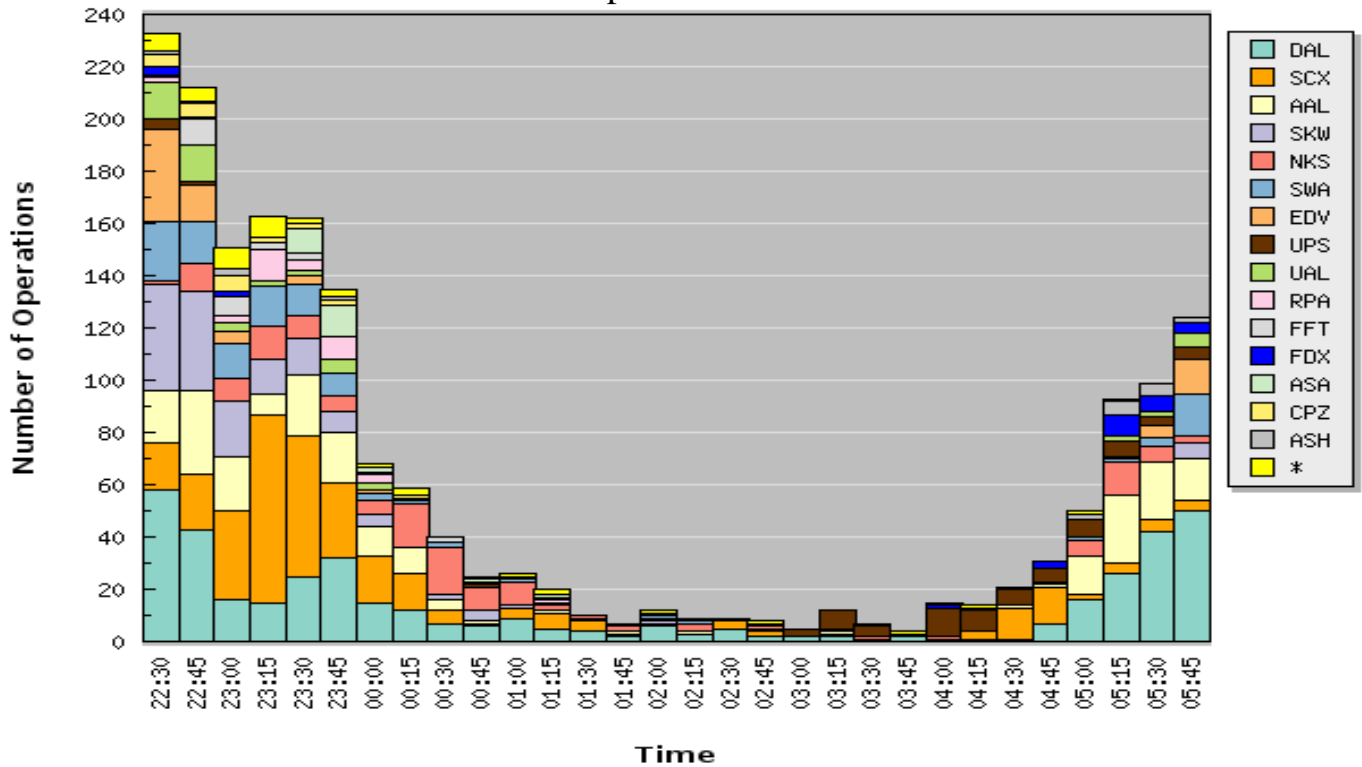
January 2017 Top 15 Actual Nighttime Jet Operators by Type  
10:30 p.m. to 6:00 a.m.  
Continued

Airline	ID	Stage	Type	Count
UPS	UPS	3	B757	55
<b>TOTAL</b>				<b>1776</b>

Note: The top 15 nighttime operators represent 97.3% of the total nighttime carrier jet operations.



January 2017 Nighttime Carrier Jet Operations Mix for Top 15 Airlines  
10:30 p.m. to 6:00 a.m.



January 2017 Nighttime Carrier Jet Fleet Stage Mix for Top 15 Airlines  
10:30 p.m. to 6:00 a.m.

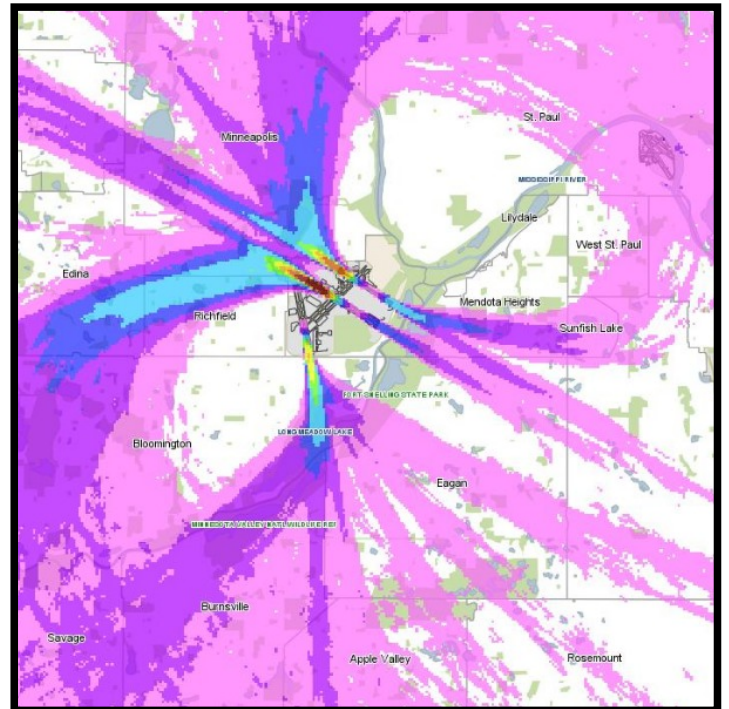
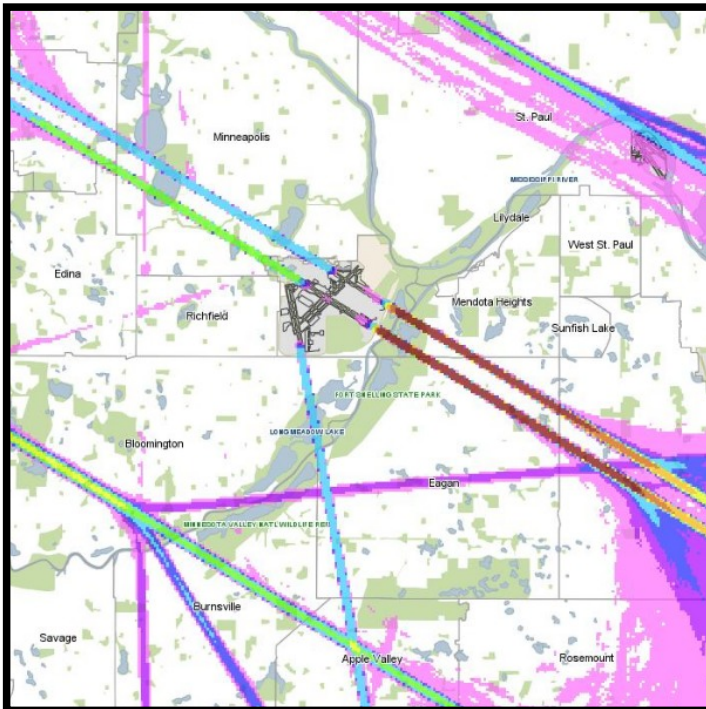
Airline	Stage 2	Stage 3	Manufactured Stage 3	Total
Delta (DAL)	0	0	415	415
Sun Country (SCX)	0	0	333	333
American (AAL)	0	0	235	235
Skywest Airlines (SKW)	0	0	155	155
Spirit (NKS)	0	0	150	150
Southwest (SWA)	0	0	119	119
Endeavor Air (EDV)	0	0	77	77
UPS (UPS)	0	0	72	72
United (UAL)	0	0	54	54
Republic Airlines (RPA)	0	0	35	35
Frontier Airlines (FFT)	0	0	30	30
Fedex (FDX)	0	0	30	30
Alaska (ASA)	0	0	26	26
Compass (CPZ)	0	0	25	25
Mesa Airlines (ASH)	0	0	20	20
Other	0	1	48	49
<b>Total</b>	<b>0</b>	<b>1</b>	<b>1824</b>	<b>1825</b>

# Airport Noise and Operations Monitoring System Flight Tracks

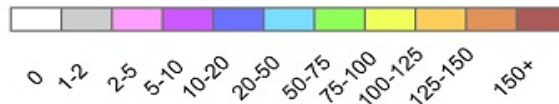
## Carrier Jet Operations - January 2017

Jan 1 thru 8, 2017 - 3694 Carrier Jet Arrivals

Jan 1 thru 8, 2017 - 3688 Carrier Jet Departures

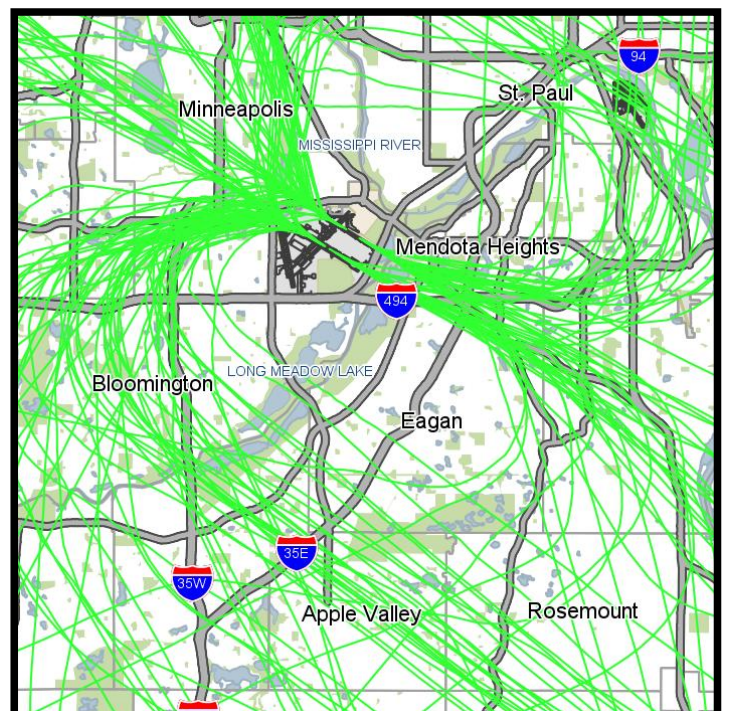
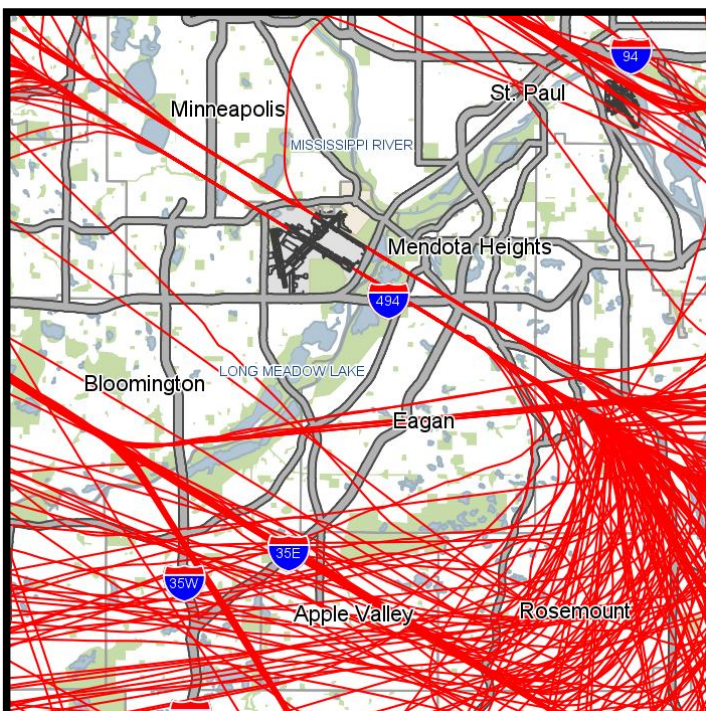


**Average Daily Operations**



Jan 1 thru 8, 2017 - 352 Nighttime\* Carrier Jet Arrivals

Jan 1 thru 8, 2017 - 164 Nighttime\* Carrier Jet Departures



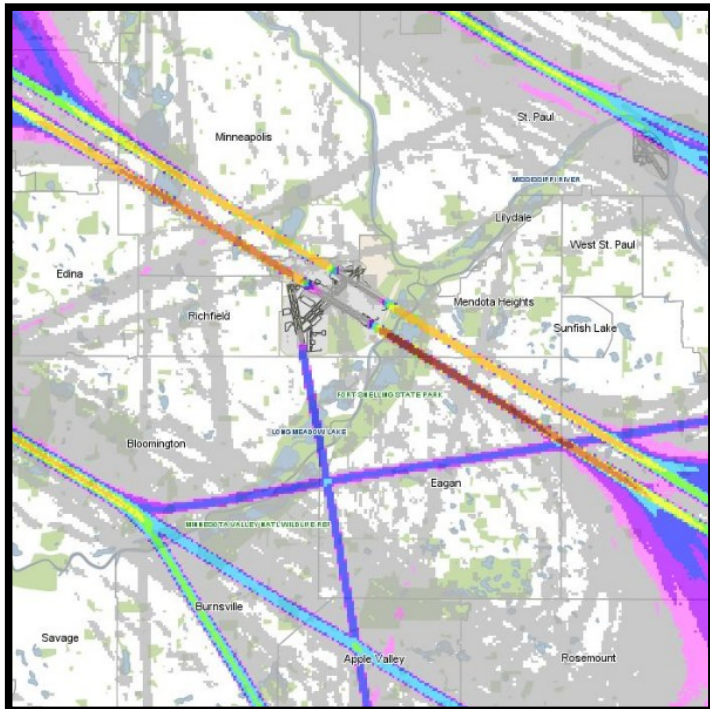
\*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.



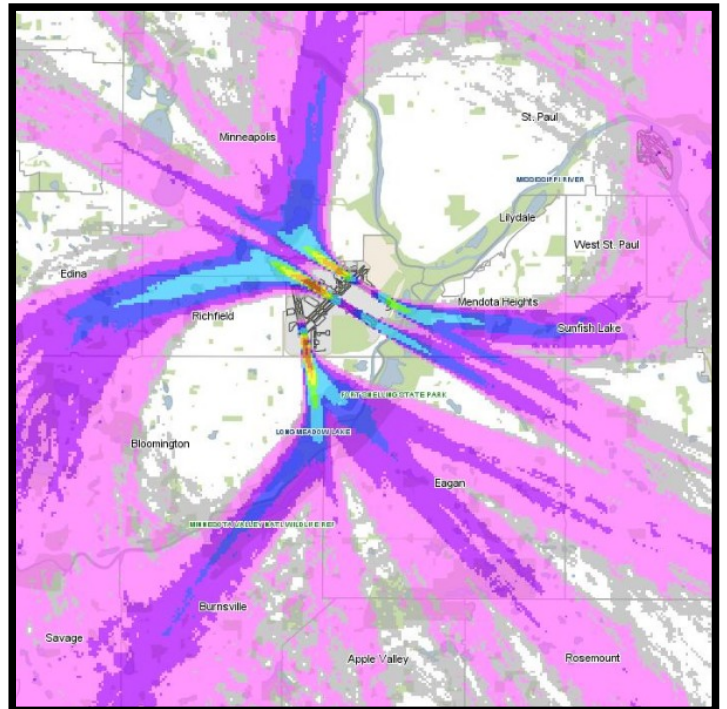
# Airport Noise and Operations Monitoring System Flight Tracks

## Carrier Jet Operations - January 2017

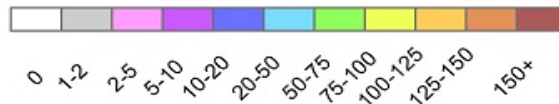
Jan 9 thru 16, 2017 - 3749 Carrier Jet Arrivals



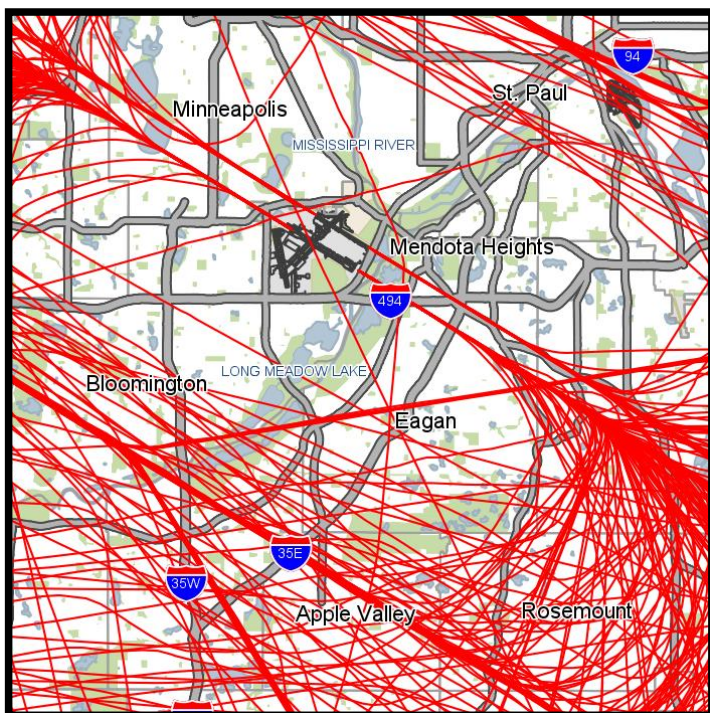
Jan 9 thru 16, 2017 - 3742 Carrier Jet Departures



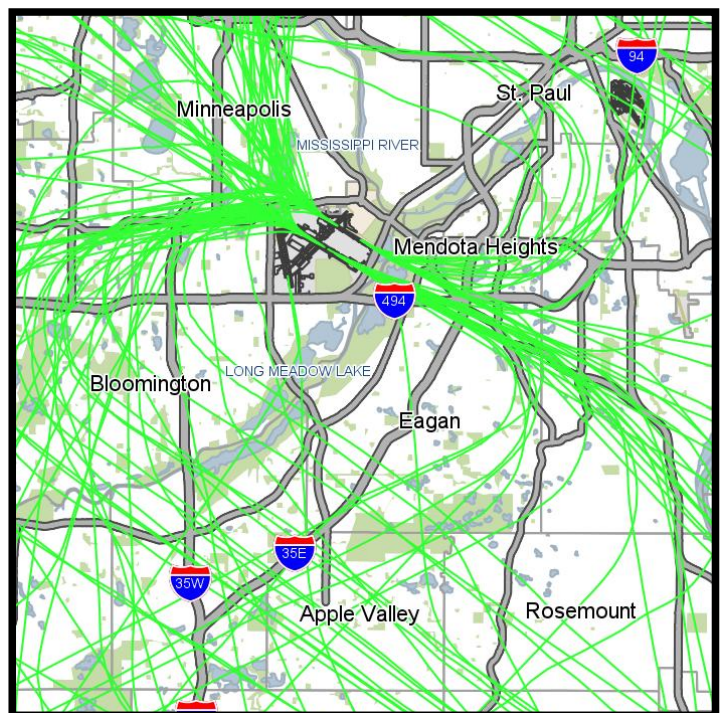
**Average Daily Operations**



Jan 9 thru 16, 2017 - 335 Nighttime\* Carrier Jet Arrivals



Jan 9 thru 16, 2017 - 127 Nighttime\* Carrier Jet Departures



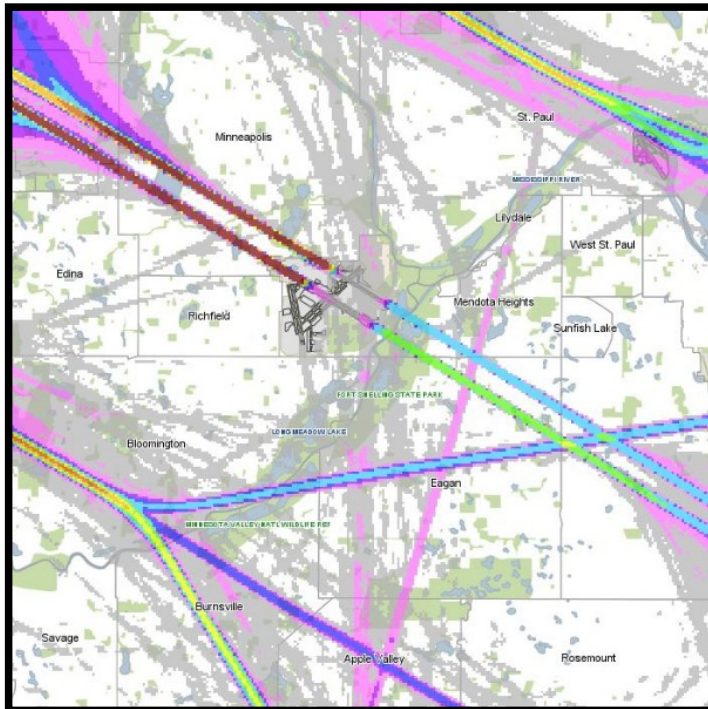
\*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.



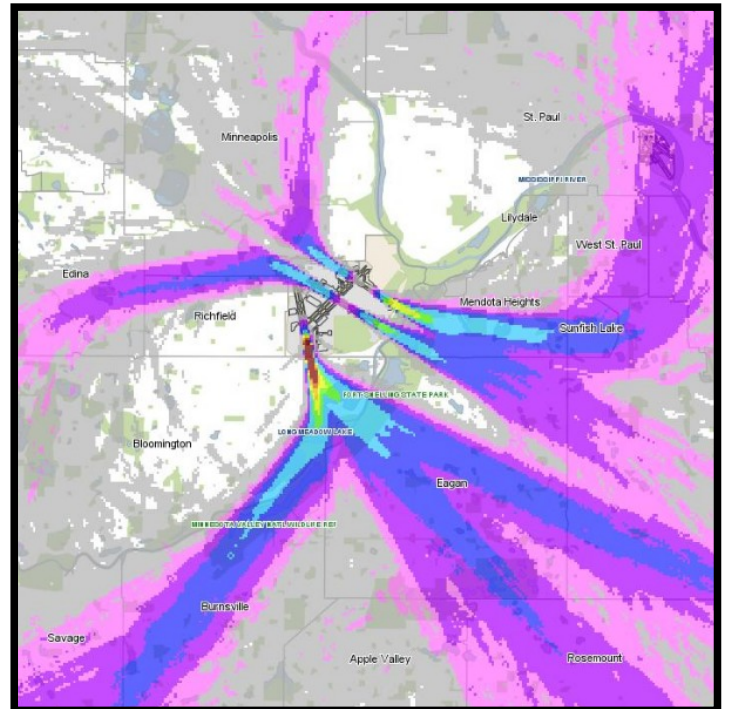
# Airport Noise and Operations Monitoring System Flight Tracks

## Carrier Jet Operations - January 2017

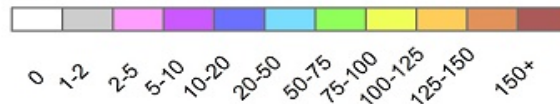
Jan 17 thru 24, 2017 - 3857 Carrier Jet Arrivals



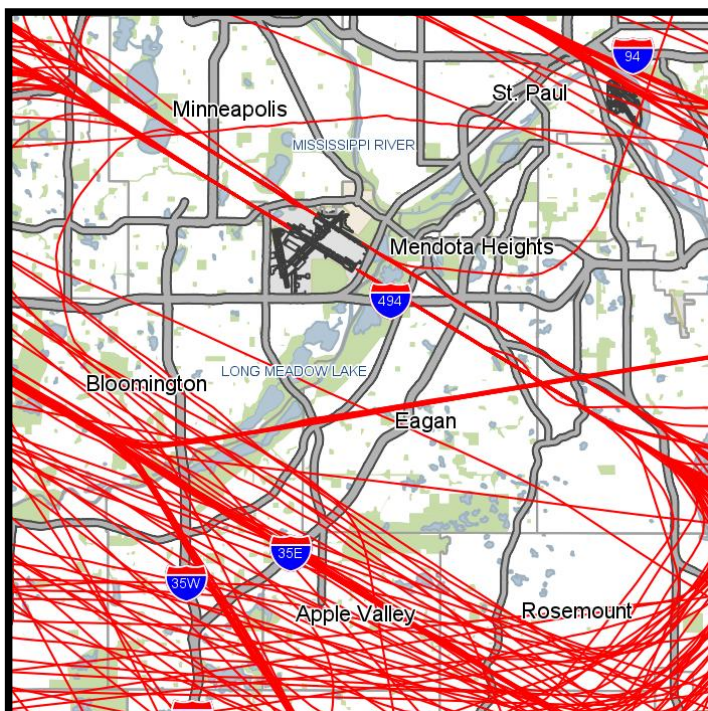
Jan 17 thru 24, 2017 - 3851 Carrier Jet Departures



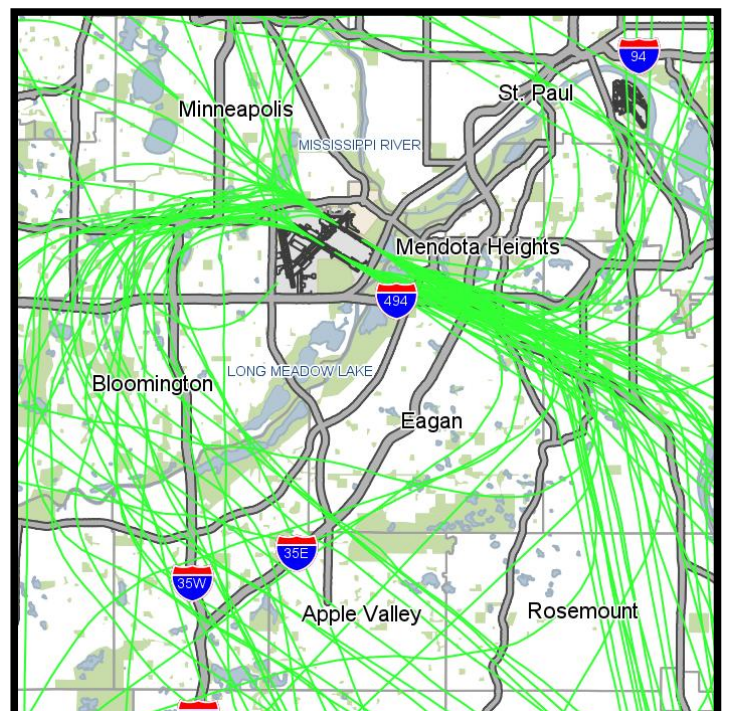
Average Daily Operations



Jan 17 thru 24, 2017 - 320 Nighttime\* Carrier Jet Arrivals



Jan 17 thru 24, 2017 - 100 Nighttime\* Carrier Jet Departures



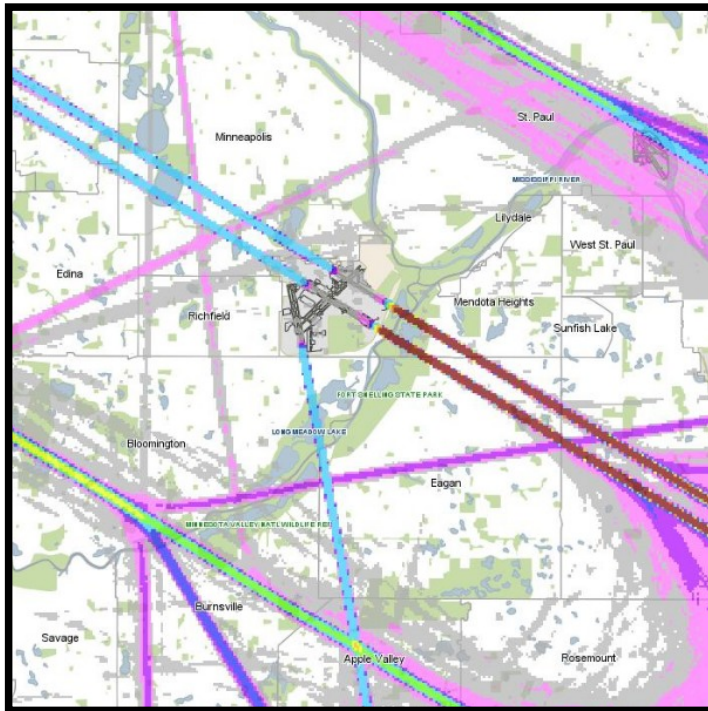
\*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.



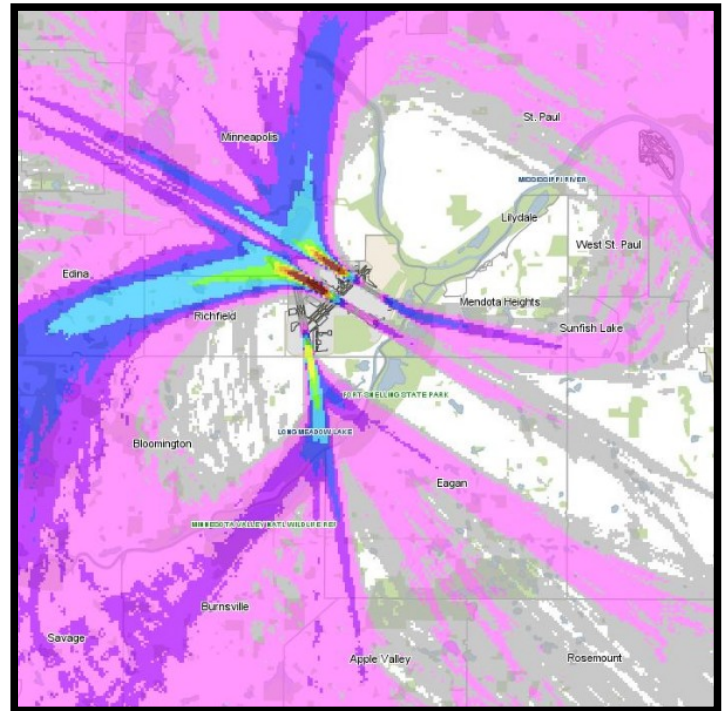
# Airport Noise and Operations Monitoring System Flight Tracks

## Carrier Jet Operations - January 2017

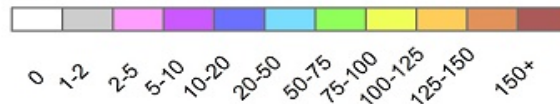
Jan 25 thru 31, 2017 - 3352 Carrier Jet Arrivals



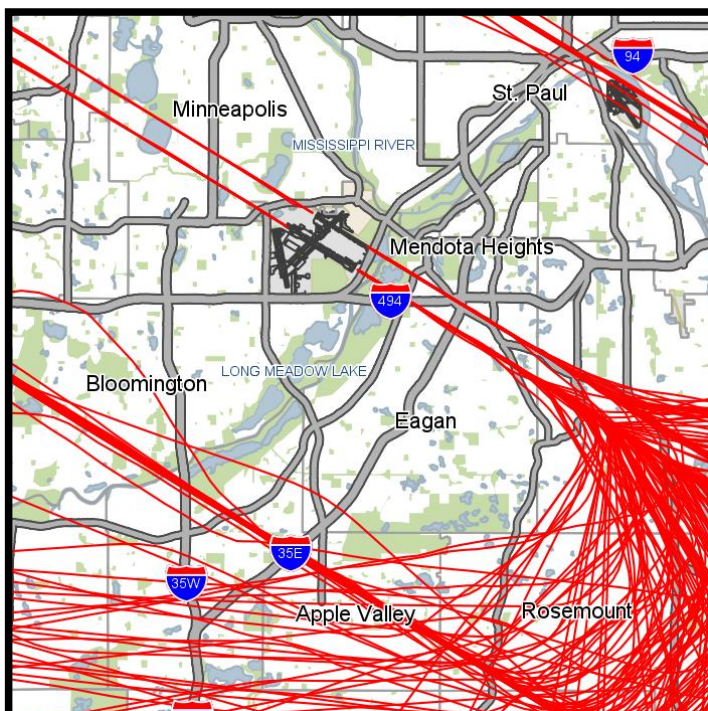
Jan 25 thru 31, 2017 - 3350 Carrier Jet Departures



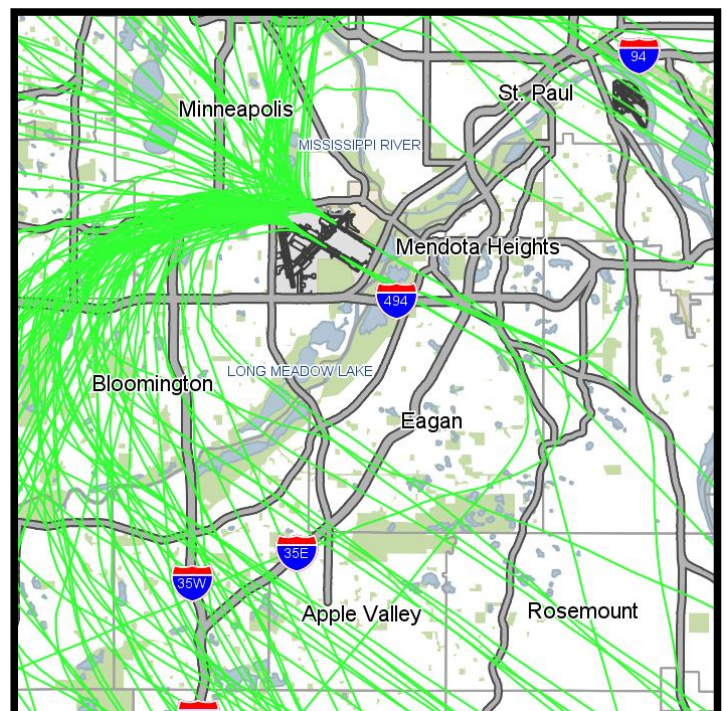
Average Daily Operations



Jan 25 thru 31, 2017 - 291 Nighttime\* Carrier Jet Arrivals



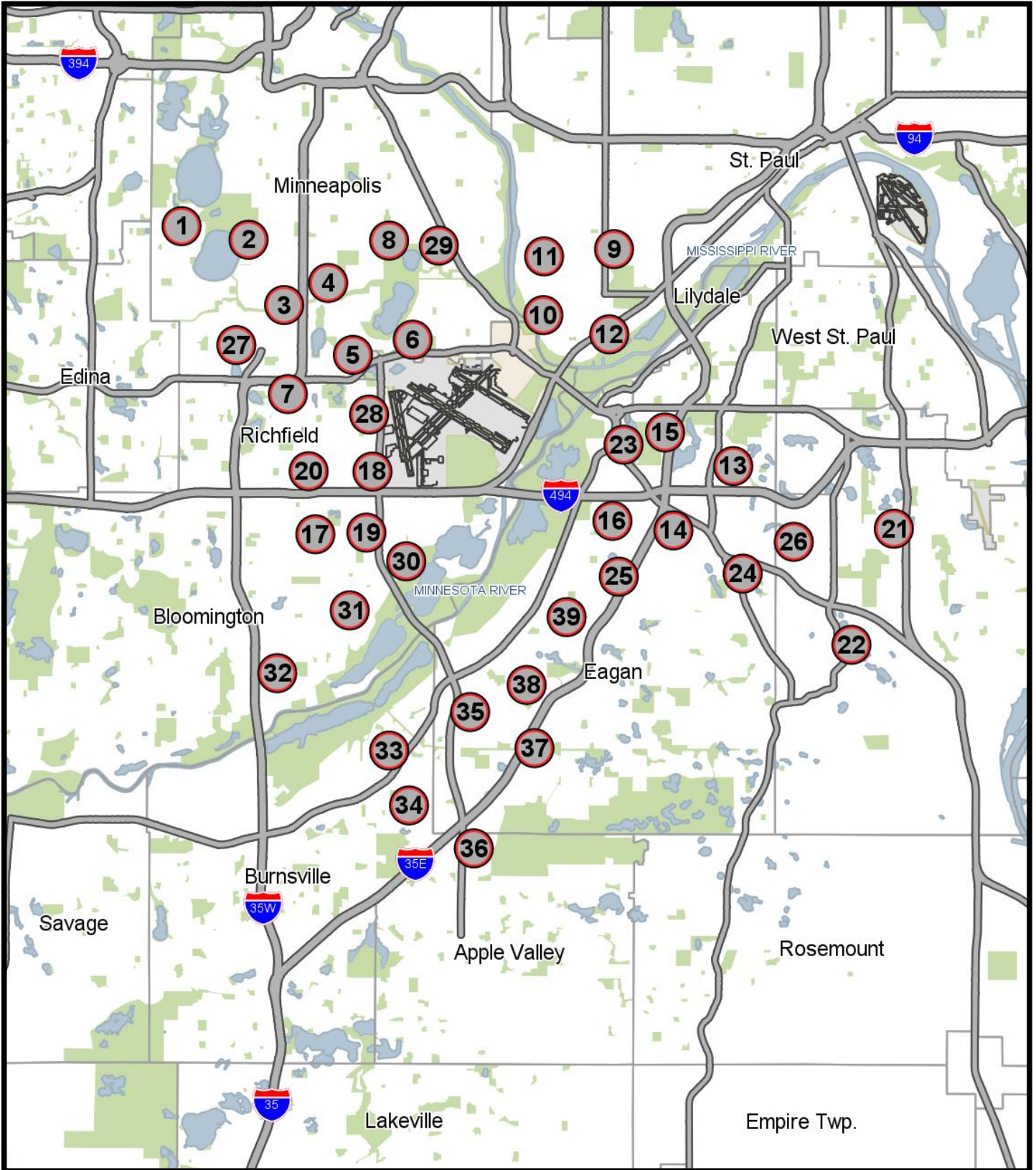
Jan 25 thru 31, 2017 - 136 Nighttime\* Carrier Jet Departures



\*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.



MSP International Airport  
Remote Monitoring Tower (RMT) Site Locations



● **Remote Monitoring Tower**

Note: The following pages contain noise data representative of real-time recordings from the Remote Monitoring Towers. Occasional data losses occur as a result of short-term equipment malfunctions and routine maintenance. Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.

# Time Above dB Threshold for Arrival Related Noise Events

## January 2017

RMT ID	City	Address	Time >= 65dB	Time >= 80dB	Time >= 90dB	Time >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	09:21:48	00:00:26	00:00:01	00:00:00
2	Minneapolis	Fremont Ave. & 43rd St.	11:01:57	00:03:55	00:00:00	00:00:00
3	Minneapolis	West Elmwood St. & Belmont Ave.	15:18:01	00:12:10	00:00:00	00:00:00
4	Minneapolis	Park Ave. & 48th St.	11:22:12	00:03:50	00:00:00	00:00:00
5	Minneapolis	12th Ave. & 58th St.	15:29:51	02:48:32	00:00:35	00:00:00
6	Minneapolis	25th Ave. & 57th St.	11:52:43	01:44:37	00:00:23	00:00:00
7	Richfield	Wentworth Ave. & 64th St.	00:11:15	00:00:00	00:00:00	00:00:00
8	Minneapolis	Longfellow Ave. & 43rd St.	00:03:27	00:00:00	00:00:00	00:00:00
9	St. Paul	Saratoga St. & Hartford Ave.	00:00:00	00:00:00	00:00:00	00:00:00
10	St. Paul	Itasca Ave. & Bowdoin St.	00:00:14	00:00:00	00:00:00	00:00:00
11	St. Paul	Finn St. & Scheffer Ave.	00:00:00	00:00:00	00:00:00	00:00:00
12	St. Paul	Alton St. & Rockwood Ave.	00:00:38	00:00:00	00:00:00	00:00:00
13	Mendota Heights	Southeast end of Mohican Court	00:03:04	00:00:00	00:00:00	00:00:00
14	Eagan	1st St. & McKee St.	16:08:46	00:00:11	00:00:00	00:00:00
15	Mendota Heights	Cullon St. & Lexington Ave.	00:02:45	00:00:00	00:00:00	00:00:00
16	Eagan	Avalon Ave. & Vilas Ln.	22:27:24	00:25:38	00:00:17	00:00:00
17	Bloomington	84th St. & 4th Ave.	00:00:24	00:00:00	00:00:00	00:00:00
18	Richfield	75th St. & 17th Ave.	00:34:52	00:00:04	00:00:00	00:00:00
19	Bloomington	16th Ave. & 84th St.	00:00:42	00:00:00	00:00:00	00:00:00
20	Richfield	75th St. & 3rd Ave.	00:00:13	00:00:00	00:00:00	00:00:00
21	Inver Grove Heights	Barbara Ave. & 67th St.	00:01:06	00:00:00	00:00:00	00:00:00
22	Inver Grove Heights	Anne Marie Trail	09:58:50	00:00:12	00:00:00	00:00:00
23	Mendota Heights	End of Kenndon Ave.	00:41:38	00:00:24	00:00:00	00:00:00
24	Eagan	Chapel Ln. & Wren Ln.	16:56:28	00:00:11	00:00:00	00:00:00
25	Eagan	Moonshine Park 1321 Jurdy Rd.	00:05:17	00:00:00	00:00:00	00:00:00
26	Inver Grove Heights	6796 Arkansas Ave. W.	00:14:06	00:00:00	00:00:00	00:00:00
27	Minneapolis	Anthony School 5757 Irving Ave. S.	00:18:01	00:00:00	00:00:00	00:00:00
28	Richfield	6645 16th Ave. S.	01:07:10	00:00:00	00:00:00	00:00:00
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	00:02:06	00:00:00	00:00:00	00:00:00
30	Bloomington	8715 River Ridge Rd.	00:38:27	00:00:05	00:00:00	00:00:00
31	Bloomington	9501 12th Ave. S.	00:00:11	00:00:00	00:00:00	00:00:00
32	Bloomington	10325 Pleasant Ave. S.	00:00:00	00:00:00	00:00:00	00:00:00
33	Burnsville	North River Hills Park	00:00:00	00:00:00	00:00:00	00:00:00
34	Burnsville	Red Oak Park	00:00:32	00:00:00	00:00:00	00:00:00
35	Eagan	2100 Garnet Ln.	01:16:23	00:00:00	00:00:00	00:00:00
36	Apple Valley	Briar Oaks & Scout Pond	02:37:44	00:00:01	00:00:00	00:00:00
37	Eagan	4399 Woodgate Ln. N.	00:02:14	00:00:00	00:00:00	00:00:00
38	Eagan	3957 Turquoise Cir.	00:00:43	00:00:00	00:00:00	00:00:00
39	Eagan	3477 St. Charles Pl.	00:00:55	00:00:00	00:00:00	00:00:00
<b>Total Time for Arrival Noise Events</b>			<b>148:02:07</b>	<b>05:20:16</b>	<b>00:01:16</b>	<b>00:00:00</b>

Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.

\*Note: These time values and levels are based upon 1-second leq levels.

# Time Above Threshold dB for Departure Related Noise Events January 2017

RMT ID	City	Address	Time >= 65dB	Time >= 80dB	Time >= 90dB	Time >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	02:01:04	00:00:02	00:00:00	00:00:00
2	Minneapolis	Fremont Ave. & 43rd St.	02:35:23	00:00:31	00:00:00	00:00:00
3	Minneapolis	West Elmwood St. & Belmont Ave.	04:53:08	00:02:59	00:00:00	00:00:00
4	Minneapolis	Park Ave. & 48th St.	06:59:08	00:05:23	00:00:00	00:00:00
5	Minneapolis	12th Ave. & 58th St.	28:58:13	01:06:45	00:00:46	00:00:00
6	Minneapolis	25th Ave. & 57th St.	30:38:57	02:27:02	00:04:52	00:00:01
7	Richfield	Wentworth Ave. & 64th St.	19:46:53	00:18:11	00:00:00	00:00:00
8	Minneapolis	Longfellow Ave. & 43rd St.	07:03:20	00:12:02	00:00:06	00:00:00
9	St. Paul	Saratoga St. & Hartford Ave.	00:00:54	00:00:00	00:00:00	00:00:00
10	St. Paul	Itasca Ave. & Bowdoin St.	00:02:15	00:00:03	00:00:00	00:00:00
11	St. Paul	Finn St. & Scheffer Ave.	00:00:00	00:00:00	00:00:00	00:00:00
12	St. Paul	Alton St. & Rockwood Ave.	00:01:42	00:00:03	00:00:00	00:00:00
13	Mendota Heights	Southeast end of Mohican Court	03:40:01	00:00:34	00:00:00	00:00:00
14	Eagan	1st St. & McKee St.	04:27:13	00:03:55	00:00:00	00:00:00
15	Mendota Heights	Cullon St. & Lexington Ave.	04:51:43	00:01:45	00:00:00	00:00:00
16	Eagan	Avalon Ave. & Vilas Ln.	04:39:30	00:09:21	00:00:00	00:00:00
17	Bloomington	84th St. & 4th Ave.	00:10:54	00:00:18	00:00:07	00:00:00
18	Richfield	75th St. & 17th Ave.	09:12:53	00:02:08	00:00:05	00:00:00
19	Bloomington	16th Ave. & 84th St.	03:36:57	00:00:17	00:00:00	00:00:00
20	Richfield	75th St. & 3rd Ave.	00:21:54	00:00:11	00:00:00	00:00:00
21	Inver Grove Heights	Barbara Ave. & 67th St.	00:26:28	00:00:00	00:00:00	00:00:00
22	Inver Grove Heights	Anne Marie Trail	00:31:53	00:00:00	00:00:00	00:00:00
23	Mendota Heights	End of Kenndon Ave.	09:37:10	00:17:55	00:00:04	00:00:00
24	Eagan	Chapel Ln. & Wren Ln.	02:35:49	00:00:49	00:00:00	00:00:00
25	Eagan	Moonshine Park 1321 Jurdy Rd.	03:30:13	00:00:00	00:00:00	00:00:00
26	Inver Grove Heights	6796 Arkansas Ave. W.	01:37:34	00:00:06	00:00:00	00:00:00
27	Minneapolis	Anthony School 5757 Irving Ave. S.	06:32:14	00:02:37	00:00:00	00:00:00
28	Richfield	6645 16th Ave. S.	14:55:19	00:06:21	00:00:00	00:00:00
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	05:09:55	00:03:58	00:00:00	00:00:00
30	Bloomington	8715 River Ridge Rd.	20:09:31	00:28:29	00:00:07	00:00:00
31	Bloomington	9501 12th Ave. S.	01:39:23	00:00:15	00:00:00	00:00:00
32	Bloomington	10325 Pleasant Ave. S.	00:18:14	00:00:00	00:00:00	00:00:00
33	Burnsville	North River Hills Park	01:40:40	00:00:18	00:00:00	00:00:00
34	Burnsville	Red Oak Park	00:35:10	00:00:17	00:00:00	00:00:00
35	Eagan	2100 Garnet Ln.	02:20:17	00:00:18	00:00:00	00:00:00
36	Apple Valley	Briar Oaks & Scout Pond	00:29:51	00:00:04	00:00:00	00:00:00
37	Eagan	4399 Woodgate Ln. N.	01:44:21	00:00:22	00:00:00	00:00:00
38	Eagan	3957 Turquoise Cir.	03:22:15	00:01:45	00:00:00	00:00:00
39	Eagan	3477 St. Charles Pl.	04:15:24	00:02:58	00:00:00	00:00:00
<b>Total Time for Departure Noise Events</b>			<b>215:33:43</b>	<b>05:38:02</b>	<b>00:06:07</b>	<b>00:00:01</b>

Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.

\*Note: These time values and levels are based upon 1-second leq levels.

# Arrival Related Noise Events

## January 2017

RMT ID	City	Address	Arrival Events >= 65dB	Arrival Events >= 80dB	Arrival Events >= 90dB	Arrival Events >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	2328	5	1	0
2	Minneapolis	Fremont Ave. & 43rd St.	2595	57	0	0
3	Minneapolis	West Elmwood St. & Belmont Ave.	3303	205	0	0
4	Minneapolis	Park Ave. & 48th St.	2658	60	0	0
5	Minneapolis	12th Ave. & 58th St.	3402	2480	12	0
6	Minneapolis	25th Ave. & 57th St.	2765	2030	16	0
7	Richfield	Wentworth Ave. & 64th St.	45	0	0	0
8	Minneapolis	Longfellow Ave. & 43rd St.	14	0	0	0
9	St. Paul	Saratoga St. & Hartford Ave.	0	0	0	0
10	St. Paul	Itasca Ave. & Bowdoin St.	1	0	0	0
11	St. Paul	Finn St. & Scheffer Ave.	0	0	0	0
12	St. Paul	Alton St. & Rockwood Ave.	2	0	0	0
13	Mendota Heights	Southeast end of Mohican Court	12	0	0	0
14	Eagan	1st St. & McKee St.	3691	5	0	0
15	Mendota Heights	Cullon St. & Lexington Ave.	13	0	0	0
16	Eagan	Avalon Ave. & Vilas Ln.	5037	452	4	0
17	Bloomington	84th St. & 4th Ave.	1	0	0	0
18	Richfield	75th St. & 17th Ave.	145	1	0	0
19	Bloomington	16th Ave. & 84th St.	2	0	0	0
20	Richfield	75th St. & 3rd Ave.	1	0	0	0
21	Inver Grove Heights	Barbara Ave. & 67th St.	5	0	0	0
22	Inver Grove Heights	Anne Marie Trail	2364	3	0	0
23	Mendota Heights	End of Kenndon Ave.	147	5	0	0
24	Eagan	Chapel Ln. & Wren Ln.	4096	6	0	0
25	Eagan	Moonshine Park 1321 Jurdy Rd.	22	0	0	0
26	Inver Grove Heights	6796 Arkansas Ave. W.	65	0	0	0
27	Minneapolis	Anthony School 5757 Irving Ave. S.	51	0	0	0
28	Richfield	6645 16th Ave. S.	236	0	0	0
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	8	0	0	0
30	Bloomington	8715 River Ridge Rd.	169	1	0	0
31	Bloomington	9501 12th Ave. S.	1	0	0	0
32	Bloomington	10325 Pleasant Ave. S.	0	0	0	0
33	Burnsville	North River Hills Park	0	0	0	0
34	Burnsville	Red Oak Park	2	0	0	0
35	Eagan	2100 Garnet Ln.	306	0	0	0
36	Apple Valley	Briar Oaks & Scout Pond	594	1	0	0
37	Eagan	4399 Woodgate Ln. N.	7	0	0	0
38	Eagan	3957 Turquoise Cir.	3	0	0	0
39	Eagan	3477 St. Charles Pl.	4	0	0	0
<b>Total Arrival Noise Events</b>			<b>34095</b>	<b>5311</b>	<b>33</b>	<b>0</b>

Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.

\*Note: These counts are based upon Lmax.



# Departure Related Noise Events

## January 2017

RMT ID	City	Address	Departure Events >= 65dB	Departure Events >= 80dB	Departure Events >= 90dB	Departure Events >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	469	1	0	0
2	Minneapolis	Fremont Ave. & 43rd St.	587	11	0	0
3	Minneapolis	West Elmwood St. & Belmont Ave.	982	45	0	0
4	Minneapolis	Park Ave. & 48th St.	1304	94	0	0
5	Minneapolis	12th Ave. & 58th St.	4786	730	14	0
6	Minneapolis	25th Ave. & 57th St.	5453	1420	67	1
7	Richfield	Wentworth Ave. & 64th St.	3519	219	0	0
8	Minneapolis	Longfellow Ave. & 43rd St.	1310	87	2	0
9	St. Paul	Saratoga St. & Hartford Ave.	3	0	0	0
10	St. Paul	Itasca Ave. & Bowdoin St.	5	1	0	0
11	St. Paul	Finn St. & Scheffer Ave.	0	0	0	0
12	St. Paul	Alton St. & Rockwood Ave.	4	1	0	0
13	Mendota Heights	Southeast end of Mohican Court	785	6	0	0
14	Eagan	1st St. & McKee St.	850	39	0	0
15	Mendota Heights	Cullon St. & Lexington Ave.	956	30	0	0
16	Eagan	Avalon Ave. & Vilas Ln.	784	106	0	0
17	Bloomington	84th St. & 4th Ave.	40	1	1	0
18	Richfield	75th St. & 17th Ave.	2034	45	1	0
19	Bloomington	16th Ave. & 84th St.	790	8	0	0
20	Richfield	75th St. & 3rd Ave.	79	2	0	0
21	Inver Grove Heights	Barbara Ave. & 67th St.	103	0	0	0
22	Inver Grove Heights	Anne Marie Trail	125	0	0	0
23	Mendota Heights	End of Kenndon Ave.	1670	221	1	0
24	Eagan	Chapel Ln. & Wren Ln.	530	15	0	0
25	Eagan	Moonshine Park 1321 Jurdy Rd.	589	0	0	0
26	Inver Grove Heights	6796 Arkansas Ave. W.	372	2	0	0
27	Minneapolis	Anthony School 5757 Irving Ave. S.	1367	43	0	0
28	Richfield	6645 16th Ave. S.	2816	96	0	0
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	964	46	0	0
30	Bloomington	8715 River Ridge Rd.	3346	299	2	0
31	Bloomington	9501 12th Ave. S.	356	4	0	0
32	Bloomington	10325 Pleasant Ave. S.	73	0	0	0
33	Burnsville	North River Hills Park	386	3	0	0
34	Burnsville	Red Oak Park	136	3	0	0
35	Eagan	2100 Garnet Ln.	483	6	0	0
36	Apple Valley	Briar Oaks & Scout Pond	120	1	0	0
37	Eagan	4399 Woodgate Ln. N.	361	4	0	0
38	Eagan	3957 Turquoise Cir.	676	20	0	0
39	Eagan	3477 St. Charles Pl.	882	31	0	0
<b>Total Departure Noise Events</b>			<b>40095</b>	<b>3640</b>	<b>88</b>	<b>1</b>

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\*Note: These counts are based upon Lmax.



# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#1)

Xerxes Ave. & 41st St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/02/2017 20:49	DAL773	MD80	A	12L	90
01/19/2017 12:20	DAL2836	MD80	A	12R	82.1
01/24/2017 19:57	BMJ63	BE80	A	12R	80.6
01/25/2017 9:36	DAL2163	MD90	D	30R	80.1
01/24/2017 15:18	Unknown	UKN	A	12L	80.1
01/09/2017 12:59	DAL2836	MD80	A	12R	80
01/09/2017 20:18	BMJ61	BE65	A	12L	79.8
01/02/2017 13:31	AAL1409	MD80	A	12R	79.5
01/27/2017 16:42	DAL140	A330	D	30L	79.4
01/26/2017 11:58	DAL1664	A330	D	30L	79.4

(RMT Site#2)

Fremont Ave. & 43rd St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/02/2017 20:50	DAL773	MD80	A	12L	87.6
01/08/2017 13:25	DAL2160	MD80	A	12L	86.8
01/02/2017 16:09	DAL1518	MD80	A	12L	86.4
01/09/2017 20:18	BMJ61	BE65	A	12L	85.4
01/02/2017 12:09	AAL2455	MD80	A	12L	85.3
01/20/2017 9:06	BMJ72	BE65	A	12L	84.7
01/19/2017 21:28	DAL1345	MD80	A	12L	84.3
01/02/2017 8:12	DAL1339	MD80	A	12L	83.9
01/09/2017 12:03	DAL1422	MD80	A	12L	83.8
01/02/2017 18:47	DAL1851	MD80	A	12L	83.8

(RMT Site#3)

West Elmwood St. & Belmont Ave., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/02/2017 9:34	AAL329	MD80	A	12R	86.5
01/24/2017 20:13	BMJ61	BE65	A	12R	86.4
01/21/2017 5:43	FDX1407	MD11	A	12R	86.2
01/18/2017 18:12	FDX715	MD11	A	12R	85.8
01/02/2017 16:48	DAL1669	MD80	A	12R	85.5
01/05/2017 15:50	AAL2423	MD80	D	30L	85.3
01/08/2017 14:09	DAL830	MD80	D	17	85.2
01/19/2017 16:06	UPS2560	MD11	A	12R	85.1
01/19/2017 5:10	UPS560	MD11	A	12R	85
01/18/2017 5:18	FDX1718	MD11	A	12R	84.8

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#4)

Park Ave. & 48th St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/22/2017 10:33	DAL1900	MD80	D	30R	89.8
01/04/2017 11:22	DAL2830	MD80	D	30R	88.5
01/22/2017 13:49	DAL1682	MD80	D	30R	87.2
01/09/2017 20:19	BMJ61	BE65	A	12L	87
01/31/2017 10:45	DAL1900	MD80	D	30L	87
01/02/2017 16:09	DAL1518	MD80	A	12L	86.5
01/15/2017 18:46	CPZ5724	E170	A	12L	86
01/20/2017 9:07	BMJ72	BE65	A	12L	85.3
01/09/2017 14:09	CPZ5721	E170	A	12R	84.7
01/02/2017 12:07	DAL1422	MD80	A	12L	84.7

(RMT Site#5)

12th Ave. & 58th St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/06/2017 16:12	Unknown	UKN	D	30L	95.8
01/20/2017 17:43	FDX715	MD11	A	12R	94.1
01/13/2017 18:52	Unknown	UKN	A	12R	93.6
01/27/2017 16:34	AAL2423	MD80	D	30L	93.4
01/26/2017 12:46	AAL2455	MD80	D	30L	93.3
01/21/2017 5:43	FDX1407	MD11	A	12R	93
01/04/2017 13:42	AAL1210	MD80	D	30L	92.5
01/24/2017 19:59	BMJ63	BE80	A	12R	92.1
01/22/2017 9:32	AAL1405	MD80	D	30L	91.7
01/22/2017 12:51	AAL2455	MD80	D	30L	91.6

(RMT Site#6)

25th Ave. & 57th St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/23/2017 10:43	DAL1900	MD80	D	30R	100.4
01/22/2017 16:03	DAL1264	MD80	D	30R	99.7
01/09/2017 7:13	DAL1996	MD80	D	30R	97.4
01/22/2017 13:48	DAL1682	MD80	D	30R	96.3
01/17/2017 10:34	DAL1900	MD80	D	30R	95.5
01/04/2017 14:10	DAL9830	MD80	D	30R	95.3
01/23/2017 20:05	DAL2481	MD80	D	30R	95.2
01/14/2017 15:49	DAL53	MD80	D	30R	95.1
01/01/2017 13:45	DAL120	MD80	D	30R	95.1
01/05/2017 15:05	DAL1882	MD80	D	30R	94.8

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#7)

Wentworth Ave. & 64th St., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/31/2017 9:28	AAL1405	MD80	D	30L	89
01/28/2017 10:27	DAL2345	MD80	D	30L	88.2
01/26/2017 9:57	AAL1405	MD80	D	30L	87.8
01/03/2017 6:54	DAL2597	MD80	D	30L	87.4
01/25/2017 14:43	AAL1409	MD80	D	30L	87.2
01/31/2017 13:46	DAL1682	MD80	D	30L	87
01/25/2017 12:52	AAL2455	MD80	D	30L	86.7
01/31/2017 19:23	AAL2201	MD80	D	30L	86.7
01/11/2017 19:36	AAL2201	MD80	D	30L	86.6
01/27/2017 14:33	AAL1409	MD80	D	30L	86.6

(RMT Site#8)

Longfellow Ave. & 43rd St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/23/2017 7:51	DAL1996	MD80	D	30R	93.6
01/03/2017 7:34	DAL1996	MD80	D	30R	90.2
01/03/2017 9:45	DAL1743	MD80	D	30R	89.7
01/05/2017 14:18	DAL120	MD80	D	30R	89.6
01/23/2017 20:06	DAL2481	MD80	D	30R	89.3
01/23/2017 10:44	DAL1900	MD80	D	30R	88.5
01/04/2017 7:58	DAL1996	MD80	D	30R	88.3
01/29/2017 16:12	DAL1264	MD80	D	30R	88.1
01/07/2017 17:12	DAL1743	MD80	D	30R	88
01/01/2017 9:28	DAL1764	MD80	D	30R	87.9

(RMT Site#9)

Saratoga St. & Hartford Ave., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/27/2017 6:55	BMJ48	BE65	D	30R	72.4
01/20/2017 10:34	CPZ5801	E170	D	12L	69.9
01/17/2017 8:15	BMJ48	BE65	D	30R	67.7

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# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#10)

Itasca Ave. & Bowdoin St., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/04/2017 7:57	BMJ48	BE65	D	30R	82.3
01/27/2017 6:54	BMJ48	BE65	D	30R	79.7
01/17/2017 8:14	BMJ48	BE65	D	30R	75.6
01/11/2017 20:31	DAL1345	MD80	A	30R	73.7
01/28/2017 7:31	BMJ48	BE65	D	30R	71.2
01/18/2017 7:03	BMJ48	BE65	D	12L	68

(RMT Site#11)

Finn St. & Scheffer Ave., St. Paul

Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.

(RMT Site#12)

Alton St. & Rockwood Ave., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/24/2017 6:56	BMJ70	BE65	D	12L	81.1
01/18/2017 7:03	BMJ48	BE65	D	12L	75.8
01/16/2017 18:27	CPZ5696	E170	A	12L	73.3
01/14/2017 7:29	BMJ48	BE65	D	12L	71.9
01/09/2017 14:09	UAL905	B738	A	12R	71.7
01/24/2017 6:55	BMJ62	BE65	D	12L	71.3

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#13)

Southeast end of Mohican Court, Mendota Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/10/2017 7:42	DAL1996	MD80	D	12L	85.5
01/19/2017 7:34	DAL1996	MD80	D	12L	85.1
01/18/2017 10:58	Unknown	UKN	D	12L	81.4
01/19/2017 7:15	DAL2193	B738	D	12L	80.7
01/18/2017 9:11	DAL589	B739	D	12L	80.6
01/09/2017 17:00	DAL169	A330	D	12R	80.2
01/02/2017 15:49	DAL160	A330	D	12R	79.9
01/13/2017 19:57	Unknown	UKN	D	12R	79.9
01/09/2017 20:22	DAL162	A330	D	12R	79.6
01/16/2017 18:35	DAL1505	MD90	D	12L	79.6

(RMT Site#14)

1st St. & McKee St., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/02/2017 14:06	DAL120	MD80	D	12L	88.3
01/16/2017 20:54	DAL2481	MD80	D	12R	86.9
01/16/2017 20:50	AAL2201	MD80	D	12L	86.2
01/18/2017 22:08	UPS559	MD11	D	12R	86
01/15/2017 6:09	DAL1991	MD80	D	12R	85.9
01/02/2017 13:56	DAL1851	MD80	D	12L	85.5
01/09/2017 13:43	DAL1752	MD80	D	12L	85.3
01/02/2017 21:16	DAL1342	MD80	D	12L	85
01/08/2017 23:28	DAL2451	MD80	D	12R	84.9
01/30/2017 12:27	DAL1664	A330	D	12R	84.4

(RMT Site#15)

Cullon St. & Lexington Ave., Mendota Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/10/2017 7:42	DAL1996	MD80	D	12L	85.3
01/30/2017 12:23	DAL2221	B739	D	12L	85
01/18/2017 11:26	DAL2221	B739	D	12L	84.1
01/18/2017 19:59	DAL1274	B739	D	12L	83
01/09/2017 13:41	DAL2549	A320	D	12L	82.8
01/19/2017 10:00	CPZ5801	E170	D	12L	82.7
01/19/2017 7:31	ASA39	B739	D	12L	82.5
01/19/2017 9:20	DAL589	B739	D	12L	82.4
01/02/2017 9:17	DAL1751	B739	D	12L	81.9
01/08/2017 20:28	DAL1274	A320	D	12L	81.5



# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#16)

Avalon Ave. & Vilas Ln., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/06/2017 4:33	FDX1777	B757	A	30L	95.6
01/25/2017 13:21	DAL1768	B757	A	30L	94
01/28/2017 13:12	DAL1768	B757	A	30L	91.5
01/28/2017 22:19	DAL505	B757	A	30L	90.1
01/10/2017 20:24	BMJ61	BE65	A	30L	89.9
01/26/2017 20:21	BMJ61	BE65	A	30L	89.6
01/25/2017 20:23	BMJ61	BE65	A	30L	89.6
01/18/2017 22:08	UPS559	MD11	D	12R	88.3
01/31/2017 20:14	BMJ61	BE65	A	30L	88
01/16/2017 22:06	DAL2542	MD90	D	12R	88

(RMT Site#17)

84th St. & 4th Ave., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/19/2017 4:26	VDA2068	A124	D	22	94.3
01/23/2017 9:27	DAL515	A330	D	30L	78.5
01/03/2017 7:13	BMJ27	BE80	D	30L	78.2
01/27/2017 8:31	NKS135	A320	D	30L	77
01/27/2017 9:56	Unknown	UKN	D	30L	77
01/27/2017 9:22	DAL515	A330	D	30L	76.9
01/01/2017 13:19	DAL1845	B763	D	30L	76
01/23/2017 7:32	DAL501	A320	D	30L	75.9
01/16/2017 18:51	DAL516	A330	A	12R	75.8
01/18/2017 7:10	BMJ74	BE80	D	17	75.4

(RMT Site#18)

75th St. & 17th Ave., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/19/2017 4:25	VDA2068	A124	D	22	95.8
01/09/2017 20:41	DAL2545	MD80	D	17	84.3
01/30/2017 9:34	DAL1714	B763	D	17	83.6
01/24/2017 14:04	DAL1900	MD80	D	17	83.5
01/19/2017 15:29	DAL1264	MD80	D	17	83.3
01/16/2017 10:28	DAL1836	MD80	D	17	83
01/09/2017 20:37	AAL2201	MD80	D	17	82.7
01/08/2017 19:49	DAL1665	MD80	D	17	82.7
01/02/2017 16:35	DAL1882	MD80	D	17	82.6
01/19/2017 9:35	AAL1405	MD80	D	17	82.5

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#19)

16th Ave. & 84th St., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/19/2017 4:26	VDA2068	A124	D	22	83.5
01/01/2017 20:34	DAL1342	MD80	D	17	81.3
01/02/2017 11:25	DAL2830	MD80	D	17	81.2
01/09/2017 10:44	DAL1900	MD80	D	17	80.8
01/02/2017 20:07	AAL2242	MD80	D	17	80.6
01/24/2017 16:37	DAL1264	MD80	D	17	80.3
01/02/2017 13:30	AAL1210	MD80	D	17	80
01/02/2017 16:35	DAL1882	MD80	D	17	80
01/01/2017 20:38	DAL1880	MD80	D	17	79.9
01/06/2017 12:53	IRO8572	C208	D	17	79.9

(RMT Site#20)

75th St. & 3rd Ave., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/25/2017 7:16	BMJ64	BE65	D	30L	83.5
01/27/2017 9:56	Unknown	UKN	D	30L	81.7
01/23/2017 9:26	DAL515	A330	D	30L	79.7
01/01/2017 13:19	DAL1845	B763	D	30L	79.2
01/10/2017 13:53	AAL1405	MD80	D	30L	78.8
01/01/2017 9:37	DAL1815	B763	D	30L	78.4
01/23/2017 6:57	SCX381	B738	D	30L	78.4
01/27/2017 9:21	DAL515	A330	D	30L	78.2
01/31/2017 11:36	Unknown	UKN	D	30L	78.1
01/31/2017 14:34	DAL2029	B739	D	30L	77.8

(RMT Site#21)

Barbara Ave. & 67th St., Inver Grove Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/19/2017 7:35	DAL1996	MD80	D	12L	78.1
01/10/2017 7:43	DAL1996	MD80	D	12L	77.8
01/02/2017 20:36	DAL162	A330	D	12R	76.7
01/21/2017 17:15	DAL140	A330	D	12R	76.7
01/19/2017 10:48	DAL121	B777	D	12R	76.6
01/18/2017 15:29	EDV3758	CRJ2	D	12L	75.7
01/02/2017 20:25	DAL2620	MD80	D	12L	75.6
01/18/2017 20:10	DAL162	A330	D	12R	75.6
01/02/2017 17:02	DAL169	A330	D	12R	75.6
01/16/2017 20:36	DAL1274	B739	D	12L	74.8

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#22)

Anne Marie Trail, Inver Grove Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/11/2017 12:55	DAL161	A330	A	30L	86.4
01/17/2017 8:02	DAL2618	MD90	A	30L	86
01/30/2017 20:19	BMJ61	BE65	A	30L	80.2
01/30/2017 13:31	DAL2836	MD80	A	30L	78.7
01/23/2017 7:16	SWA1597	B738	A	30L	78
01/12/2017 13:47	AAL1409	MD80	A	30R	78
01/23/2017 18:10	AAL1559	MD80	A	30L	77.8
01/06/2017 7:41	DAL2067	MD90	A	30L	77.7
01/02/2017 10:41	DAL1764	MD80	D	12R	77.7
01/16/2017 20:54	DAL2481	MD80	D	12R	77.5

(RMT Site#23)

End of Kenndon Ave., Mendota Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/10/2017 7:42	DAL1996	MD80	D	12L	91.1
01/30/2017 7:24	DAL1996	MD80	D	12L	88.2
01/02/2017 20:24	DAL2620	MD80	D	12L	87.9
01/19/2017 7:33	DAL1996	MD80	D	12L	87.6
01/08/2017 20:15	DAL1357	MD80	D	12L	87.5
01/18/2017 11:26	DAL2221	B739	D	12L	87
01/09/2017 16:06	DAL1264	MD80	D	12L	87
01/09/2017 13:43	DAL1752	MD80	D	12L	86.7
01/10/2017 16:51	SWA1404	UKN	A	30R	86
01/09/2017 13:58	DAL1682	MD80	D	12L	86

(RMT Site#24)

Chapel Ln. & Wren Ln., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/18/2017 22:08	UPS559	MD11	D	12R	82.7
01/16/2017 20:54	DAL2481	MD80	D	12R	82.4
01/02/2017 14:07	DAL120	MD80	D	12L	81.8
01/02/2017 10:40	DAL1764	MD80	D	12R	81.6
01/26/2017 20:20	BMJ61	BE65	A	30L	81.6
01/04/2017 12:18	DAL2836	MD80	A	30L	81.4
01/08/2017 23:28	DAL2451	MD80	D	12R	81.2
01/02/2017 13:56	DAL1851	MD80	D	12L	81.2
01/15/2017 6:09	DAL1991	MD80	D	12R	81.1
01/02/2017 21:17	DAL1342	MD80	D	12L	81

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#25)

Moonshine Park 1321 Jurdy Rd., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/30/2017 10:03	GJS6215	CRJ9	D	17	79.3
01/02/2017 16:02	AAL2423	MD80	D	12R	78.6
01/30/2017 10:22	DAL1796	A320	D	17	77.8
01/02/2017 15:00	AAL1409	MD80	D	12R	76.9
01/08/2017 16:04	DAL830	MD80	D	17	76.9
01/02/2017 10:40	DAL1764	MD80	D	12R	76.8
01/09/2017 20:42	DAL2545	MD80	D	17	76.8
01/21/2017 8:41	SWA1750	B738	D	12R	76.5
01/14/2017 15:28	MWT620	BE9L	A	30L	76.2
01/16/2017 19:31	ICE656	B757	D	17	76.1

(RMT Site#26)

6796 Arkansas Ave. W., Inver Grove Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/30/2017 7:25	DAL1996	MD80	D	12L	81.4
01/18/2017 8:55	DAL1260	A330	D	12R	80.6
01/02/2017 20:25	DAL2620	MD80	D	12L	79.6
01/18/2017 10:39	DAL121	B777	D	12R	79.5
01/09/2017 16:07	DAL1264	MD80	D	12L	79.5
01/02/2017 13:56	DAL1851	MD80	D	12L	79.4
01/09/2017 13:59	DAL1682	MD80	D	12L	79.3
01/08/2017 20:16	DAL1357	MD80	D	12L	79
01/19/2017 10:48	DAL121	B777	D	12R	78.4
01/09/2017 16:11	DAL160	A330	D	12R	78.3

(RMT Site#27)

Anthony School 5757 Irving Ave. S., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/26/2017 12:47	AAL2455	MD80	D	30L	87.3
01/22/2017 12:51	AAL2455	MD80	D	30L	86.4
01/03/2017 10:02	AAL1405	MD80	D	30L	85.8
01/26/2017 14:40	AAL1409	MD80	D	30L	85.7
01/27/2017 16:34	AAL2423	MD80	D	30L	85.2
01/01/2017 11:31	DAL2221	B744	D	30L	85.1
01/22/2017 9:32	AAL1405	MD80	D	30L	84.8
01/22/2017 19:30	AAL2201	MD80	D	30L	84.3
01/07/2017 16:56	DAL859	MD80	D	30L	83.7
01/22/2017 7:34	AAL2526	MD80	D	30L	83.2

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#28)

6645 16th Ave. S., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/25/2017 7:15	BMJ64	BE65	D	30L	89.7
01/17/2017 8:24	BMJ43	BE65	D	30L	89.2
01/10/2017 13:53	AAL1405	MD80	D	30L	87.8
01/05/2017 7:25	BMJ64	BE99	D	30L	86.5
01/02/2017 18:15	DAL1357	MD80	D	17	86.2
01/27/2017 12:39	AAL2455	MD80	D	30L	85.6
01/31/2017 11:36	Unknown	UKN	D	30L	85.6
01/02/2017 11:24	DAL2830	MD80	D	17	85.5
01/20/2017 12:37	AAL2455	MD80	D	17	85
01/02/2017 20:06	AAL2242	MD80	D	17	85

(RMT Site#29)

Ericsson Elem. School 4315 31st Ave. S., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/27/2017 15:22	DAL1264	MD80	D	30R	88.6
01/28/2017 15:25	DAL120	MD80	D	30R	88.4
01/30/2017 13:32	DAL2267	MD80	D	30R	87.9
01/22/2017 9:05	DAL1743	MD80	D	30R	86.9
01/26/2017 13:29	DAL1682	MD80	D	30R	85.3
01/03/2017 13:53	DAL120	MD80	D	30R	85.1
01/30/2017 20:21	DAL2481	MD80	D	30R	84.5
01/18/2017 13:25	DAL1682	MD80	D	30R	84.3
01/17/2017 13:18	DAL2549	A320	D	30R	84.2
01/26/2017 15:57	DAL1264	MD80	D	30R	83.8

(RMT Site#30)

8715 River Ridge Rd., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/27/2017 9:33	AAL1405	MD80	D	17	91.2
01/02/2017 13:30	AAL1210	MD80	D	17	90.8
01/18/2017 14:29	AAL1409	MD80	D	17	89.9
01/01/2017 15:15	AAL2423	MD80	D	17	89.9
01/01/2017 11:23	DAL2830	MD80	D	17	89.9
01/01/2017 12:47	AAL2455	MD80	D	17	89.7
01/21/2017 7:39	DAL927	MD80	D	17	88.9
01/02/2017 11:04	AAL2532	MD80	D	17	88.6
01/23/2017 14:07	DAL1682	MD80	D	17	88.5
01/06/2017 9:51	AAL1405	MD80	D	17	87.5



# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#31)

9501 12th Ave. S., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/02/2017 13:31	AAL1210	MD80	D	17	83.1
01/12/2017 10:09	SCX655	B738	D	17	83
01/02/2017 11:04	AAL2532	MD80	D	17	82.9
01/02/2017 18:57	SKW4881	CRJ2	D	17	80.1
01/13/2017 9:40	DAL1751	B738	D	17	79.8
01/13/2017 9:35	EDV3621	CRJ9	D	17	79.6
01/02/2017 18:58	EDV3991	CRJ2	D	17	79
01/01/2017 15:16	AAL2423	MD80	D	17	79
01/12/2017 10:38	DAL1099	A319	D	17	78.7
01/27/2017 9:56	Unknown	UKN	D	30L	78.6

(RMT Site#32)

10325 Pleasant Ave. S., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/02/2017 13:31	AAL1210	MD80	D	17	77.8
01/27/2017 9:16	DAL1971	A320	D	17	76.3
01/02/2017 11:05	AAL2532	MD80	D	17	75.8
01/01/2017 11:44	DAL1137	B738	D	17	75.4
01/02/2017 11:52	CPZ5846	E170	D	17	74.3
01/02/2017 14:45	WBR2221	C208	D	17	73.6
01/09/2017 14:14	DAL2052	MD90	D	17	73.4
01/19/2017 19:35	DAL724	A320	D	17	73
01/25/2017 6:54	AAL1270	B738	D	30R	73
01/18/2017 14:36	DAL2029	B739	D	17	72.9

(RMT Site#33)

North River Hills Park, Burnsville

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/01/2017 11:24	DAL2830	MD80	D	17	82.8
01/06/2017 14:39	DAL1806	MD80	D	17	82.8
01/27/2017 9:34	AAL1405	MD80	D	17	80.9
01/30/2017 14:37	DAL1682	MD80	D	17	79.7
01/18/2017 14:29	AAL1409	MD80	D	17	79.5
01/01/2017 10:06	DAL2345	MD80	D	17	79.1
01/06/2017 19:30	AAL2423	MD80	D	17	78
01/06/2017 9:52	AAL1405	MD80	D	17	76.9
01/27/2017 9:25	DAL1751	B738	D	17	76.5
01/09/2017 12:02	DAL1651	MD90	D	17	76.4

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#34)

Red Oak Park, Burnsville

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/30/2017 14:37	DAL1682	MD80	D	17	83.1
01/01/2017 11:24	DAL2830	MD80	D	17	82.5
01/01/2017 10:06	DAL2345	MD80	D	17	82.1
01/27/2017 9:34	AAL1405	MD80	D	17	79.9
01/18/2017 14:30	AAL1409	MD80	D	17	79
01/30/2017 14:33	AAL1409	MD80	D	17	78.2
01/06/2017 14:39	DAL1806	MD80	D	17	77.4
01/27/2017 9:43	DAL1815	MD90	D	17	76.5
01/23/2017 14:08	DAL1682	MD80	D	17	75.9
01/18/2017 9:25	DAL1687	A320	D	17	75.8

(RMT Site#35)

2100 Garnet Ln., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/23/2017 14:07	DAL1682	MD80	D	17	82.7
01/09/2017 9:32	AAL1405	MD80	D	17	82.2
01/21/2017 7:40	DAL927	MD80	D	17	81.3
01/06/2017 17:55	DAL1549	MD80	D	17	81.1
01/30/2017 14:33	AAL1409	MD80	D	17	80.6
01/18/2017 12:47	AAL2455	MD80	D	17	80.3
01/19/2017 9:28	DAL515	A330	D	17	79.8
01/18/2017 9:24	DAL1687	A320	D	17	79.7
01/24/2017 9:28	DAL515	A330	D	17	79.6
01/24/2017 9:33	AAL1405	MD80	D	17	79.6

(RMT Site#36)

Briar Oaks & Scout Pond, Apple Valley

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/16/2017 20:49	DAL2522	B717	D	12L	82.1
01/27/2017 18:11	DAL876	B757	A	35	80.3
01/28/2017 13:28	DAL2088	MD80	A	35	78.5
01/18/2017 12:47	AAL2455	MD80	D	17	78
01/16/2017 13:19	AAL2455	MD80	D	17	77.9
01/31/2017 17:38	FDX798	MD11	A	35	77.4
01/11/2017 18:10	FDX715	MD11	A	35	77.3
01/05/2017 17:52	FDX798	MD11	A	35	77.1
01/31/2017 8:58	DAL968	A320	A	35	77
01/30/2017 19:21	SCX726	B738	A	35	77

# Top Ten Loudest Aircraft Noise Events for MSP

January 2017

(RMT Site#37)

4399 Woodgate Ln. N., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/19/2017 14:34	AAL1409	MD80	D	17	83.2
01/21/2017 7:40	DAL927	MD80	D	17	83.1
01/01/2017 15:34	DAL1108	MD80	D	17	82.6
01/16/2017 14:32	AAL1409	MD80	D	17	80.7
01/14/2017 9:34	AAL1405	MD80	D	17	79.6
01/24/2017 9:33	AAL1405	MD80	D	17	79.5
01/02/2017 13:24	AAL2455	MD80	D	17	79.4
01/01/2017 15:27	DAL1949	MD80	D	17	79.3
01/24/2017 19:30	AAL2201	MD80	D	17	79.2
01/19/2017 12:43	AAL2455	MD80	D	17	79.2

(RMT Site#38)

3957 Turquoise Cir., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/01/2017 15:34	DAL1108	MD80	D	17	85.4
01/20/2017 12:38	AAL2455	MD80	D	17	84
01/19/2017 19:26	AAL2201	MD80	D	17	83.9
01/01/2017 15:27	DAL1949	MD80	D	17	83.5
01/21/2017 7:40	DAL927	MD80	D	17	83
01/14/2017 9:34	AAL1405	MD80	D	17	83
01/16/2017 14:31	AAL1409	MD80	D	17	82.8
01/21/2017 12:53	AAL2455	MD80	D	17	82.8
01/24/2017 19:30	AAL2201	MD80	D	17	82.8
01/19/2017 14:34	AAL1409	MD80	D	17	82.4

(RMT Site#39)

3477 St. Charles Pl., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
01/20/2017 15:29	DAL1264	MD80	D	17	87.5
01/18/2017 11:06	DAL1900	MD80	D	17	87.3
01/02/2017 9:30	DAL1743	MD80	D	17	86
01/19/2017 11:22	DAL1900	MD80	D	17	86
01/19/2017 15:30	DAL1264	MD80	D	17	85.3
01/18/2017 7:15	DAL1996	MD80	D	17	84.6
01/19/2017 13:38	DAL1682	MD80	D	17	84.1
01/02/2017 11:26	DAL2830	MD80	D	17	84
01/30/2017 11:12	DAL1900	MD80	D	17	84
01/20/2017 10:40	DAL1900	MD80	D	17	83.7

## January 2017 Remote Monitoring Tower Top Ten Summary

The top ten noise events and the event ranges at each RMT for January 2017 were comprised of 81.9% departure operations. The predominant top ten aircraft type was the MD80 with 59.2% of the highest Lmax events.

## January 2017 Technical Advisor Report Notes

Unknown fields are due to unavailability of these details in the flight tracking data.

# Analysis of Aircraft Noise Events DNL

## January 2017

### Remote Monitoring Towers

Date	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
01/01/17	55.3	55.1	62.1	56.8	65.8	63.8	51.6	54	NA	NA	NA	NA	50.3	54.9	51.9
01/02/17	60.1	61.6	65.7	60.8	69.1	65.9	41.6	32.1	NA	NA	NA	NA	55.1	61.4	56.9
01/03/17	51	52.8	56.9	56.5	65.7	66.6	63.2	57.2	NA	NA	NA	NA	31.2	58.8	30.6
01/04/17	45.3	49.7	52.2	56.5	64	66.4	60.2	54.7	NA	41.2	NA	NA	30	57.4	40.8
01/05/17	50.3	50.6	56.9	55.7	65.2	65.1	60.8	56.8	NA	NA	NA	NA	NA	54.7	NA
01/06/17	45.3	47.3	53.4	55.3	64	66.5	59.1	57.4	NA	NA	NA	NA	32	55.3	31.4
01/07/17	41.1	42.1	48.2	48.2	61.3	60.6	59	53.1	NA	NA	NA	NA	NA	52.1	NA
01/08/17	54.8	58.5	62.6	58.3	66.5	65	42.2	39.3	NA	NA	NA	NA	53.3	60.1	55.8
01/09/17	57.4	60.1	63.5	60.3	67.7	66.4	58.5	50.7	NA	NA	NA	30.7	54.6	59	57.3
01/10/17	56.4	57.7	62.9	58.7	66.9	66.8	57.7	53.1	NA	NA	NA	NA	47	57.3	49.1
01/11/17	42.8	46.6	51.1	53.2	62.8	64.7	60.4	53.4	NA	32.2	NA	NA	27.1	54.3	32.8
01/12/17	41.6	46.2	51.1	52.8	62.7	65.5	58	53.7	NA	NA	NA	NA	NA	53.3	NA
01/13/17	47.6	55.3	61.4	56.9	66.7	65.1	55.5	49.3	NA	NA	NA	NA	51.9	54.9	55
01/14/17	48.1	51.5	57.9	56.1	62.9	61.1	49.8	51.8	NA	NA	NA	32.6	43.2	58.5	43.7
01/15/17	52.2	55.2	61.3	56	65.3	61.9	47.7	NA	NA	NA	NA	NA	50.7	58.6	52.2
01/16/17	56.6	59.4	63.4	61	67	66.7	57.3	55.2	NA	NA	NA	34.2	52	61.5	54.5
01/17/17	48	50.2	53.7	56.4	65.2	65.8	63	56	27.6	37.8	NA	NA	33	58.6	28.3
01/18/17	56.6	59	62.8	58.8	67.1	64.9	48.6	47.9	NA	27.5	NA	36.7	57	61.5	58.2
01/19/17	59.5	61	65.4	60.7	69.2	66.4	36.9	34	NA	NA	NA	NA	56.5	61.3	58.3
01/20/17	57.5	59.9	65.8	60	70.2	66.1	36.5	33.4	29.6	NA	NA	NA	54.2	57.7	57.7
01/21/17	57.4	57.2	65.4	57.4	69.9	63.4	27.4	NA	NA	NA	NA	NA	51.1	59.9	49.8
01/22/17	52.4	53.5	57.1	58.7	66.8	68.1	63.4	56.8	NA	NA	NA	NA	41.6	58.6	25.8
01/23/17	50.2	53.2	56.9	59.6	66	68.9	61.2	59.5	NA	NA	NA	NA	NA	60.4	34.6
01/24/17	58.2	60.2	63.9	60	68.7	65.8	55.8	47.6	NA	NA	NA	51.1	53.1	58.8	55.6
01/25/17	50.8	51.9	57.4	58	66.3	67.1	62.8	57.1	NA	NA	NA	NA	34.5	59.5	42.9
01/26/17	50.6	52.7	55.9	57.6	66	67.1	63.6	57.5	NA	NA	NA	NA	NA	59.4	NA
01/27/17	48.2	50.8	56.6	56.8	65.3	66.2	61.6	57.4	45.4	49.9	NA	NA	NA	59.8	NA
01/28/17	43.3	46.8	51.2	51.7	64.2	62	62.8	51.4	NA	31.6	NA	NA	NA	58	NA
01/29/17	46.7	50.7	51.7	57.5	65.5	67	62.1	56.9	NA	NA	NA	NA	NA	52.9	NA
01/30/17	51.3	55.8	58.7	58	66.1	66.4	60	57.3	NA	NA	NA	NA	51	62.7	52.8
01/31/17	47.7	50.6	55.5	57.2	67	66.7	63.7	56.9	NA	NA	NA	NA	NA	61.4	32.2
<b>Mo.DNL</b>	<b>54</b>	<b>56.1</b>	<b>60.8</b>	<b>57.9</b>	<b>66.5</b>	<b>65.8</b>	<b>59.7</b>	<b>54.8</b>	<b>40.8</b>	<b>43.1</b>	<b>N/A</b>	<b>44.4</b>	<b>51.5</b>	<b>58.9</b>	<b>53.2</b>

Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.

# Analysis of Aircraft Noise Events DNL January 2017

## Remote Monitoring Towers

Date	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28	#29
01/01/17	60	44.2	53.2	51.2	47.9	43.7	51.1	55.8	54.1	42.9	45.6	48.7	55.6	46.8
01/02/17	62.8	NA	55.6	51.9	NA	41.7	48.7	63	56.6	52.7	51.9	39.1	57.4	NA
01/03/17	64.6	37.3	41.5	NA	31.2	NA	54.3	46	58.9	35.8	42	55.9	58.6	53.8
01/04/17	65.5	33.1	30.7	29.4	33.3	34.2	52.5	43.5	57.4	NA	38.7	51.8	53.4	52.7
01/05/17	64	NA	NA	NA	41	39.4	52	41.7	55.3	NA	39.5	52.9	52.8	52.8
01/06/17	66.7	37.1	49.3	46.6	36.6	NA	52.1	40.2	55.8	NA	27.6	54.3	50.1	53.5
01/07/17	63	NA	34.1	NA	NA	NA	50.1	NA	53.9	NA	NA	49.4	55.7	48.9
01/08/17	61.5	NA	52.8	45.2	38.6	41.8	49.8	61	56.7	49.9	51.7	NA	50	39.9
01/09/17	61	NA	55.9	49.5	NA	42	51.2	62	56.9	49.1	52.8	53.2	55	43.2
01/10/17	62	NA	40.2	NA	35.5	40.1	50.7	56.6	56.4	36.6	47.9	51.7	55	52
01/11/17	62.4	29.5	40.8	NA	29.9	38.6	50.7	48.3	54.3	34.4	46.1	52.9	55.8	49.3
01/12/17	64.3	31.7	38.6	35.1	40.4	NA	49.1	43.6	54.3	NA	37.9	50.7	51.1	52.9
01/13/17	61.6	39.1	50.3	42.2	41.5	33.4	50.5	59	52.7	41.3	43.3	50.6	47.9	43.7
01/14/17	61.2	34.9	47.9	45.5	36.9	29.9	48.7	53	55.9	35.6	49.1	42.6	50.8	44.3
01/15/17	58.8	NA	50.6	45.2	NA	38.5	46	57.9	54.3	43.1	48.5	41.8	46.1	NA
01/16/17	64.9	36.3	53.9	49.9	29.5	43.5	50.6	59.8	58.3	53.5	50.3	48.4	57.6	NA
01/17/17	64.9	NA	47	32.9	30.2	NA	55.4	44.8	58.8	35	31.1	57.2	57	51.1
01/18/17	62.7	39.2	54.7	49.4	33.6	45.9	52	63.5	58.6	52	56.4	42	48.8	47.2
01/19/17	62.1	62.8	63.7	55.7	39.5	49.2	50.2	64.2	57.7	53.7	58.4	35.6	55.2	NA
01/20/17	58.8	NA	57.5	48.7	NA	36.8	39.3	62.7	54.1	50.7	50	44.8	58.3	29.5
01/21/17	62.1	NA	54	48.7	NA	41.6	49	56.9	56.9	47.6	49.4	NA	54.7	NA
01/22/17	64.3	NA	NA	NA	39.4	NA	56.8	48.1	58.4	NA	38.7	58.3	57.4	53.1
01/23/17	65.8	47.6	51.6	50.4	51.2	NA	59.3	40.1	60.7	NA	35.2	55	57.5	53.3
01/24/17	63.6	31.3	56.1	52.1	32.5	32	53.7	62.3	57.6	49.5	40.2	52.7	56	42.9
01/25/17	65.1	NA	40.3	30	42.8	NA	57.3	47.8	59.7	38.3	43.2	57.8	59.1	53.7
01/26/17	64.9	NA	38.4	NA	42.2	NA	57.8	35.3	59.3	30.1	31.8	56.2	57.6	56.7
01/27/17	65.1	42.6	42.6	43.3	44.5	NA	57.8	36.7	60.3	28.3	36.6	56.3	55.2	55.3
01/28/17	65.1	30.4	30.9	NA	28.1	NA	56.8	NA	59	NA	28.2	51.8	56.7	51.7
01/29/17	61.5	38.8	33.9	NA	42.5	NA	54.2	NA	55.5	NA	28.6	55.4	55.1	53.6
01/30/17	66	31.2	53.6	47.3	41.7	43.6	58.5	60.1	61.8	51.7	53.3	53.9	56.3	54.3
01/31/17	66.2	NA	43.6	NA	42.6	NA	59.7	40.8	61.7	30.9	39.3	56.5	59.4	55.1
<b>Mo.DNL</b>	<b>63.8</b>	<b>50.9</b>	<b>53.3</b>	<b>48.8</b>	<b>42</b>	<b>42.2</b>	<b>54.3</b>	<b>58.2</b>	<b>57.8</b>	<b>48.3</b>	<b>49.3</b>	<b>53.5</b>	<b>55.8</b>	<b>52</b>

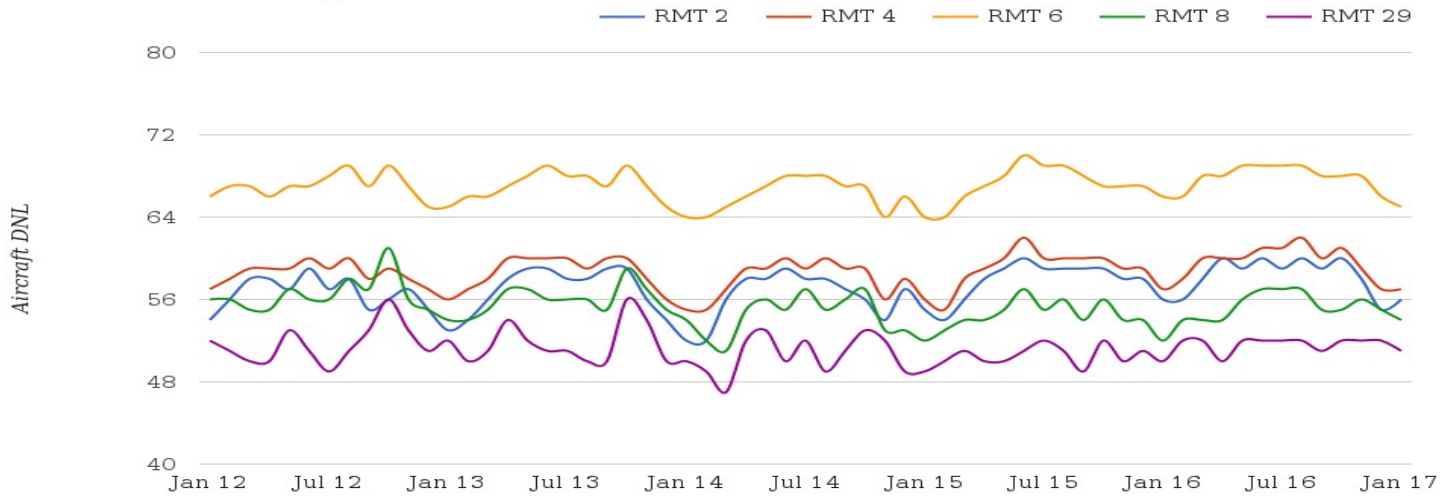


# Analysis of Aircraft Noise Events DNL January 2017

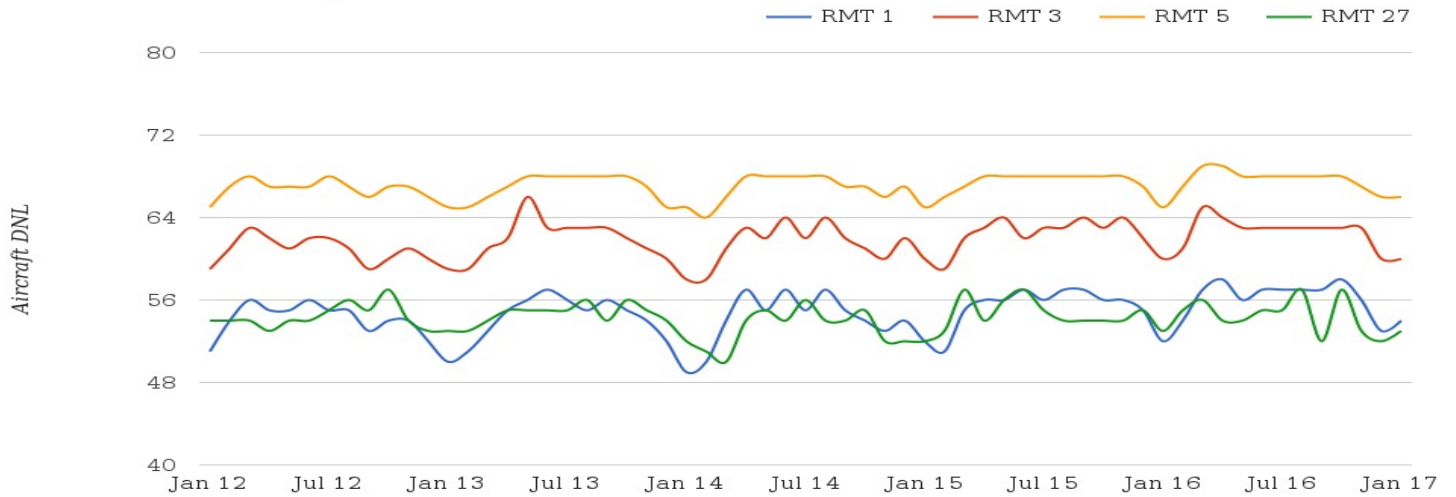
## Remote Monitoring Towers

Date	#30	#31	#32	#33	#34	#35	#36	#37	#38	#39
01/01/17	63.9	51.2	47.9	49.5	47.7	54.1	44.4	50.2	52.4	49.6
01/02/17	61.4	48.3	41.1	41	28.9	46.6	NA	46.3	51.1	52.8
01/03/17	NA	37.8	NA	NA	NA	NA	NA	32	32.1	35.4
01/04/17	34.9	NA	NA	NA	NA	37.8	43.9	NA	NA	NA
01/05/17	39.5	NA	NA	NA	NA	40.8	48.1	NA	NA	NA
01/06/17	60.1	44.9	34.6	48.4	45	48.6	41	NA	NA	NA
01/07/17	38.7	NA	NA	NA	30	41.8	46.3	NA	NA	NA
01/08/17	57.7	42.1	29.6	37.7	NA	39.4	NA	40.2	46.1	49.6
01/09/17	59.2	46.6	36.2	41.7	34.6	49	35.8	47.6	50.5	50.9
01/10/17	33.3	NA	29.4	NA	NA	34.6	38.4	NA	NA	NA
01/11/17	37.4	NA	NA	NA	NA	35.9	43	NA	NA	NA
01/12/17	50.2	43.2	NA	37.8	37.1	41.4	36.9	29.7	29.9	NA
01/13/17	56.8	43.7	NA	38	NA	41.5	33.4	44	46.7	49.3
01/14/17	58.1	40.5	34.8	42.2	36.5	48	44.7	45	48	44.4
01/15/17	56.9	37.9	27.6	40.5	27.6	38.1	NA	43.6	47.7	49.1
01/16/17	60.4	43.4	31	45	41.2	49.4	44.2	49.7	52.1	54.6
01/17/17	38.8	NA	NA	29.5	NA	NA	NA	NA	NA	32.3
01/18/17	60.5	45	35.4	47.2	41.4	46.8	37.9	46.2	49.9	56.6
01/19/17	61	48.2	36.1	45.8	33.9	45.9	NA	49.7	53.4	56.5
01/20/17	61.3	44.9	32.1	46.9	27.8	50.3	36.3	51	54.8	55.6
01/21/17	59.7	40.7	31.5	43.1	29.5	48.6	34.5	49.9	53.1	49.5
01/22/17	NA	NA	NA	NA	NA	NA	NA	31.2	NA	NA
01/23/17	63	48.1	44	46.4	43.1	53.4	46.8	NA	32.6	28.4
01/24/17	63	45.7	33.4	42.5	33.4	48.1	NA	48.2	52.4	53.9
01/25/17	41.3	NA	40.6	NA	32.3	43.2	46.3	NA	NA	NA
01/26/17	43.8	NA	NA	NA	NA	46.2	50.3	NA	NA	NA
01/27/17	56.7	46.5	39.8	46.5	45.6	47.2	49.2	27.7	NA	NA
01/28/17	44.1	NA	NA	NA	NA	45.9	49.1	NA	NA	NA
01/29/17	40.5	NA	28.8	NA	NA	43.2	48.1	NA	NA	NA
01/30/17	59.7	44.5	35	49.2	46.8	50.2	49.5	45.7	48.5	51.2
01/31/17	46.9	NA	NA	NA	NA	50.5	52.5	33.3	NA	NA
<b>Mo.DNL</b>	<b>58.2</b>	<b>45.6</b>	<b>39</b>	<b>45.1</b>	<b>41.3</b>	<b>47.7</b>	<b>46.3</b>	<b>46.5</b>	<b>50.4</b>	<b>52</b>

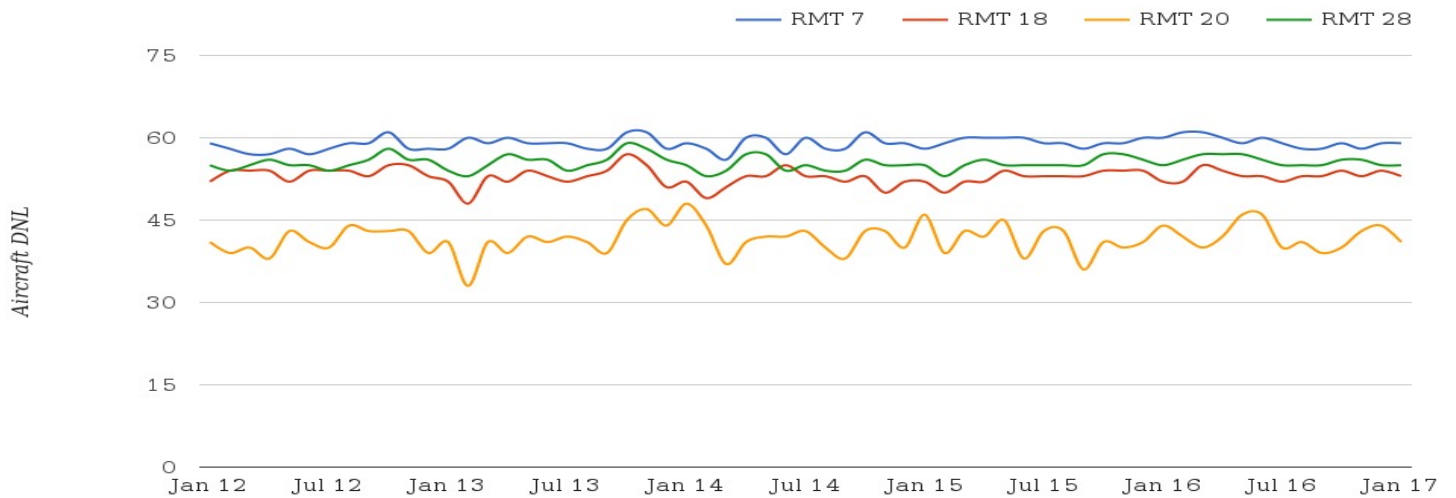
### Minneapolis 12L/30R



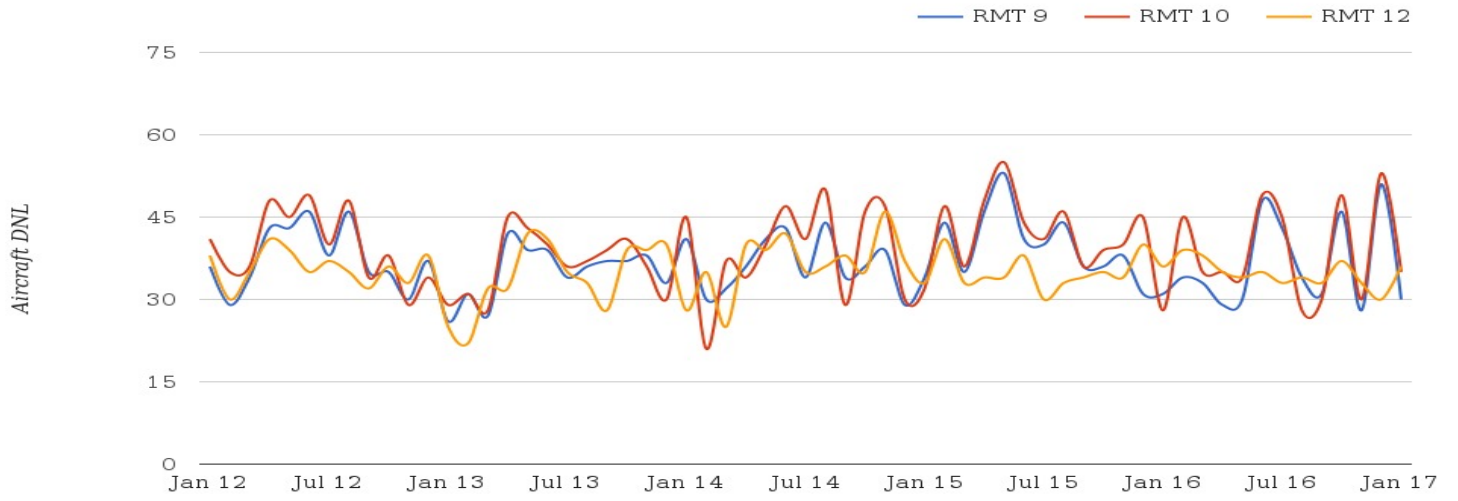
### Minneapolis 12R/30L



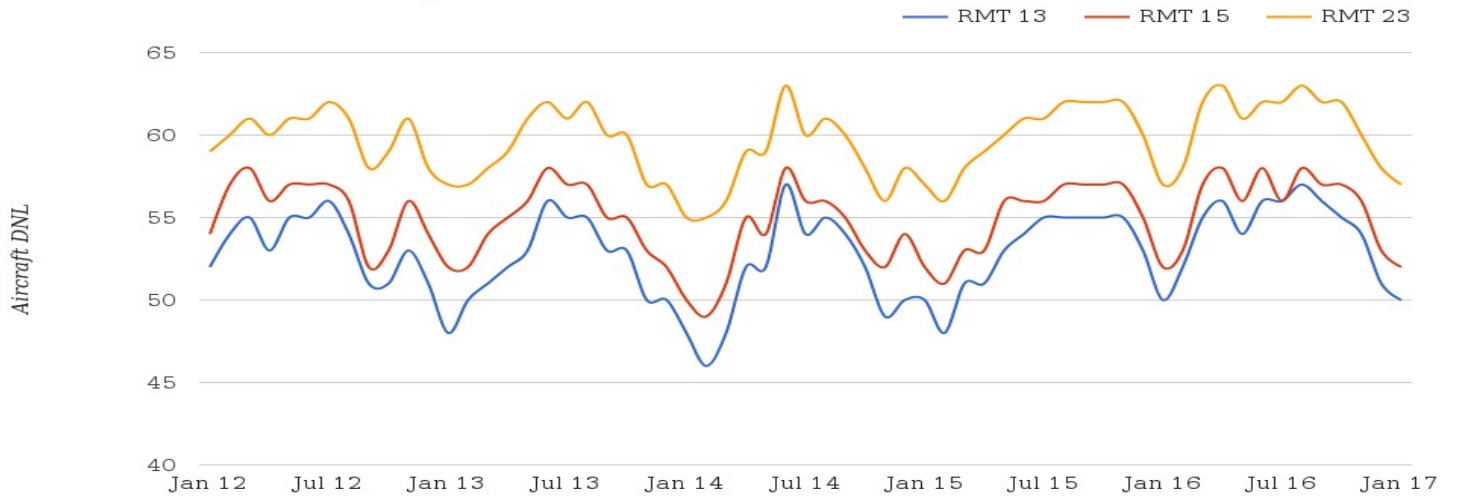
### Richfield



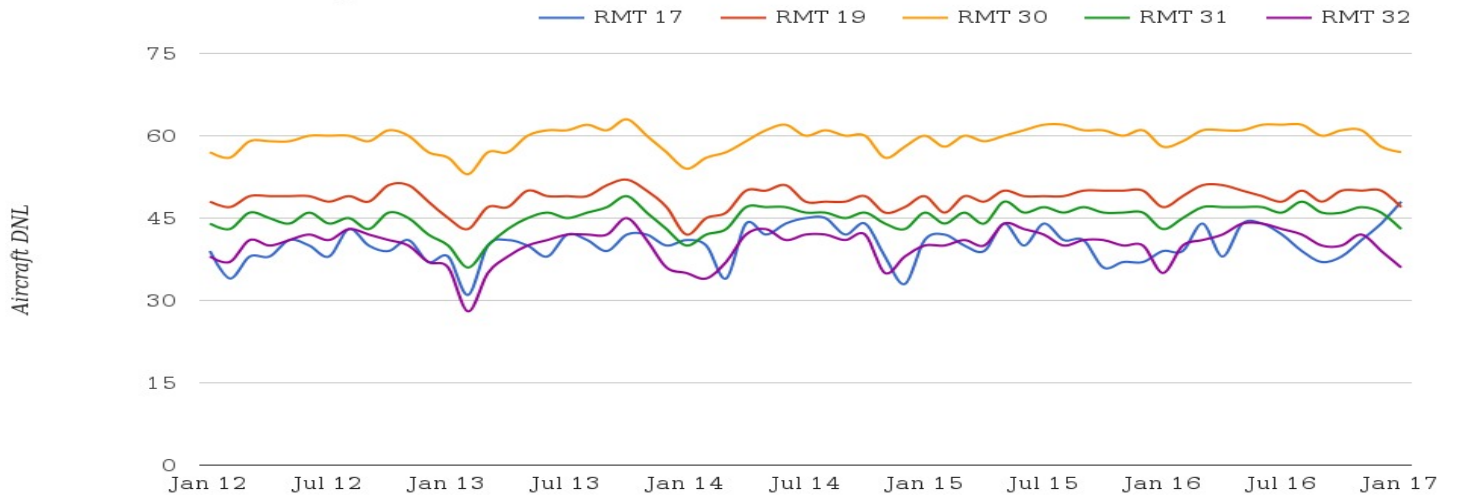
### St. Paul



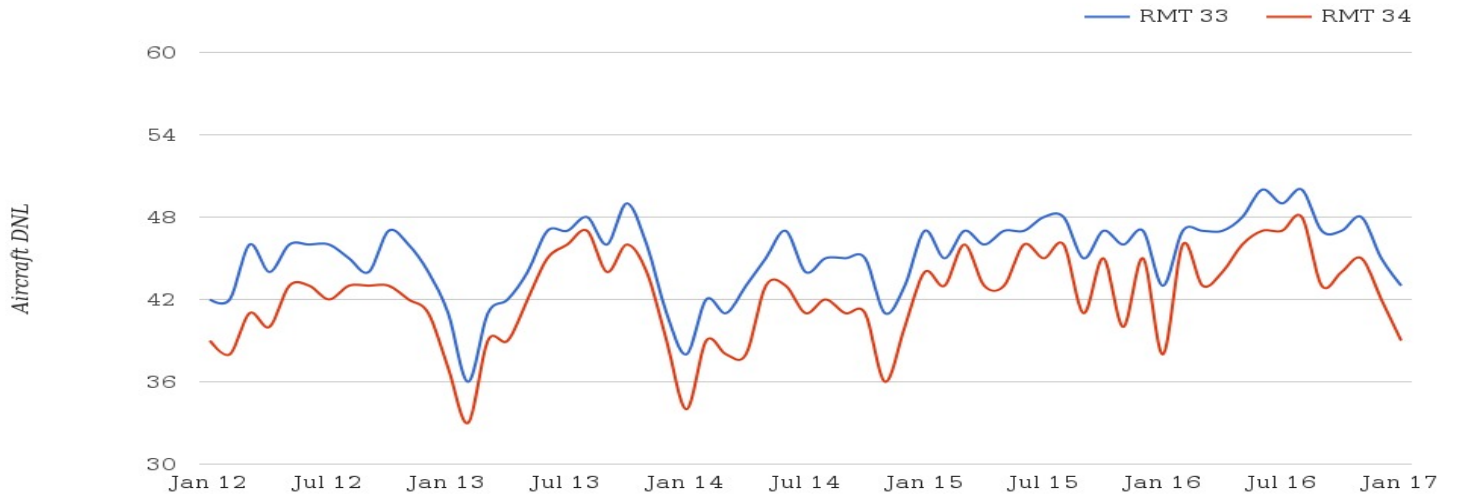
### Mendota Heights



### Bloomington



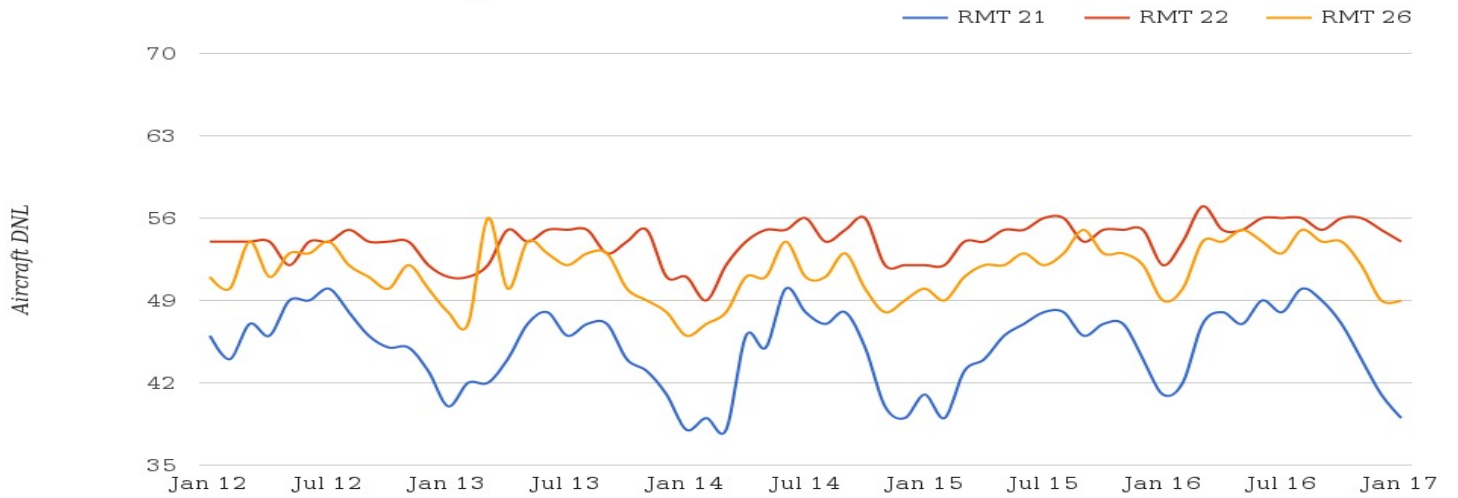
### Burnsville



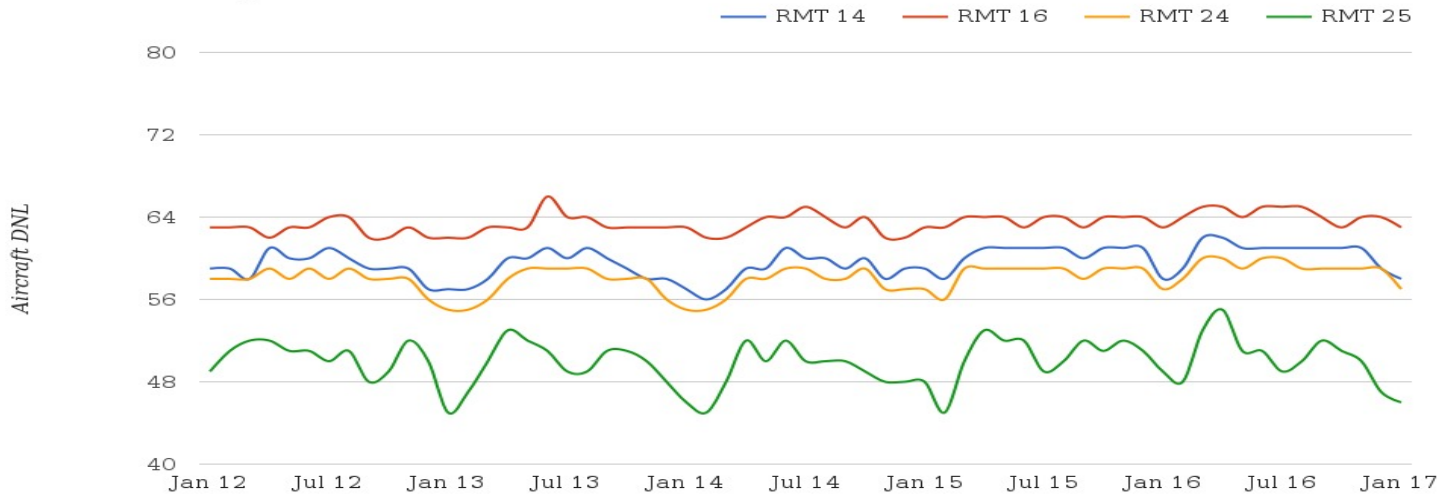
### Apple Valley



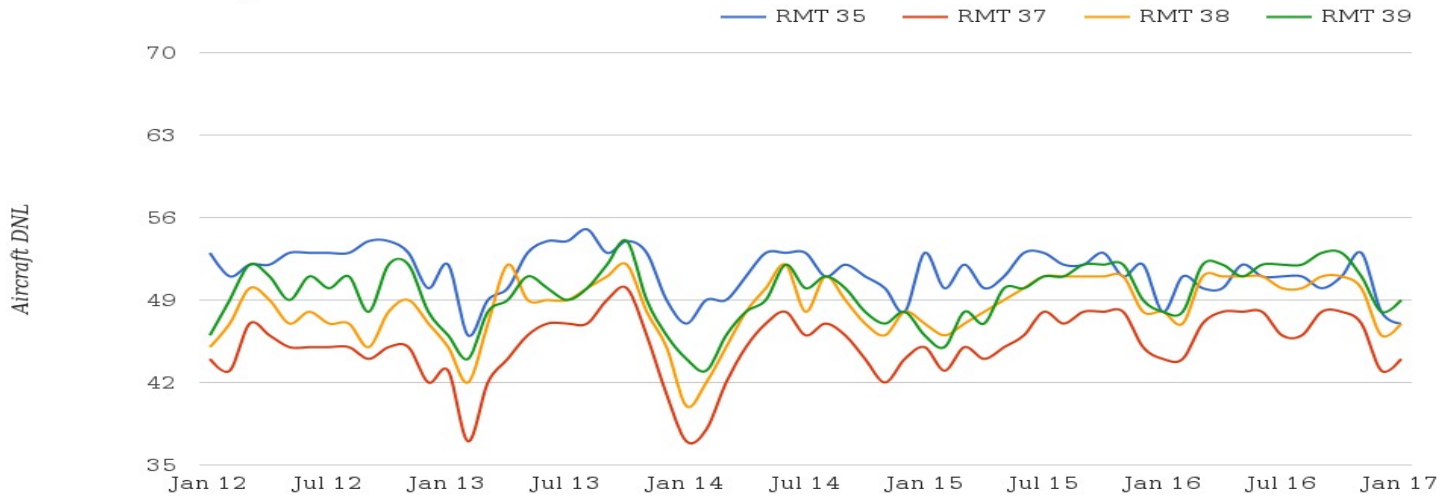
### Inver Grove Heights



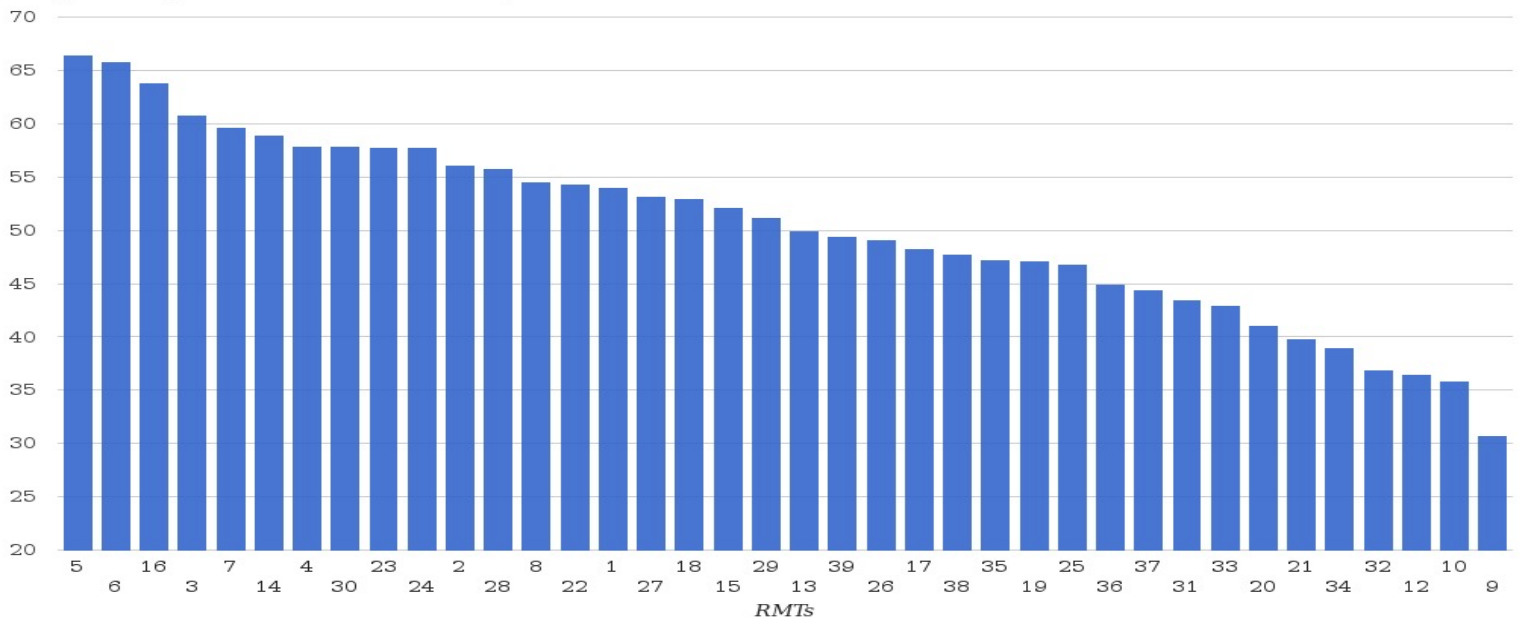
### Eagan 12/30



### Eagan 17/35



### January 2017 DNL Values per RMT



Remote Monitoring Terminal (RMT) #11 in St. Paul is being relocated and temporarily disassembled due to construction on the property where the RMT was located. As a result, data for RMT 11 are not available beyond July 17, 2016.