

March 2017

Noise Oversight Committee (NOC) Technical Advisor's Report



Minneapolis-St. Paul International Airport



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MSP Complaints by City

March 2017

City	Arrival		Departure		Other		Number of Complaints	Number of Locations	% of Total Complaints
MINNEAPOLIS	0	2161	20	562	114	3068	5925	160	44.7%
INVER GROVE HEIGHTS	0	729	0	90	2	2437	3258	5	24.6%
EAGAN	0	0	10	566	12	1026	1614	37	12.2%
BLOOMINGTON	0	0	0	333	10	23	366	13	2.8%
RICHFIELD	0	1	17	178	148	22	366	18	2.8%
EDEN PRAIRIE	0	268	0	7	0	48	323	7	2.4%
BURNSVILLE	0	1	0	297	0	18	316	6	2.4%
MENDOTA HEIGHTS	0	0	0	83	188	44	315	17	2.4%
ST. LOUIS PARK	0	173	0	0	3	19	195	9	1.5%
APPLE VALLEY	0	6	0	95	1	30	132	8	1%
COTTAGE GROVE	0	0	0	0	0	114	114	1	0.9%
EDINA	0	0	0	66	22	13	101	23	0.8%
GOLDEN VALLEY	0	0	0	0	0	62	62	3	0.5%
SAINT PAUL	0	0	0	26	0	24	50	9	0.4%
MINNETONKA	0	26	0	1	0	11	38	4	0.3%
SHOREWOOD	0	0	0	0	0	25	25	1	0.2%
FALCON HEIGHTS	0	18	0	0	0	3	21	1	0.2%
PLYMOUTH	0	0	0	0	1	8	9	2	0.1%
MOUNDS VIEW	0	0	0	0	0	4	4	1	0%
ORONO	0	1	0	1	0	0	2	1	0%
LAKEVILLE	0	0	0	0	0	2	2	1	0%
TONKA BAY	0	1	0	0	0	1	2	1	0%
ROSEMOUNT	0	0	0	0	0	2	2	1	0%
WEST ST PAUL	0	0	0	0	1	0	1	1	0%
OTHER	0	0	0	0	1	0	1	1	0%
Total	3385		2352		7507		13244	331	

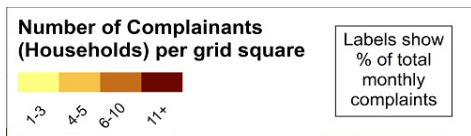
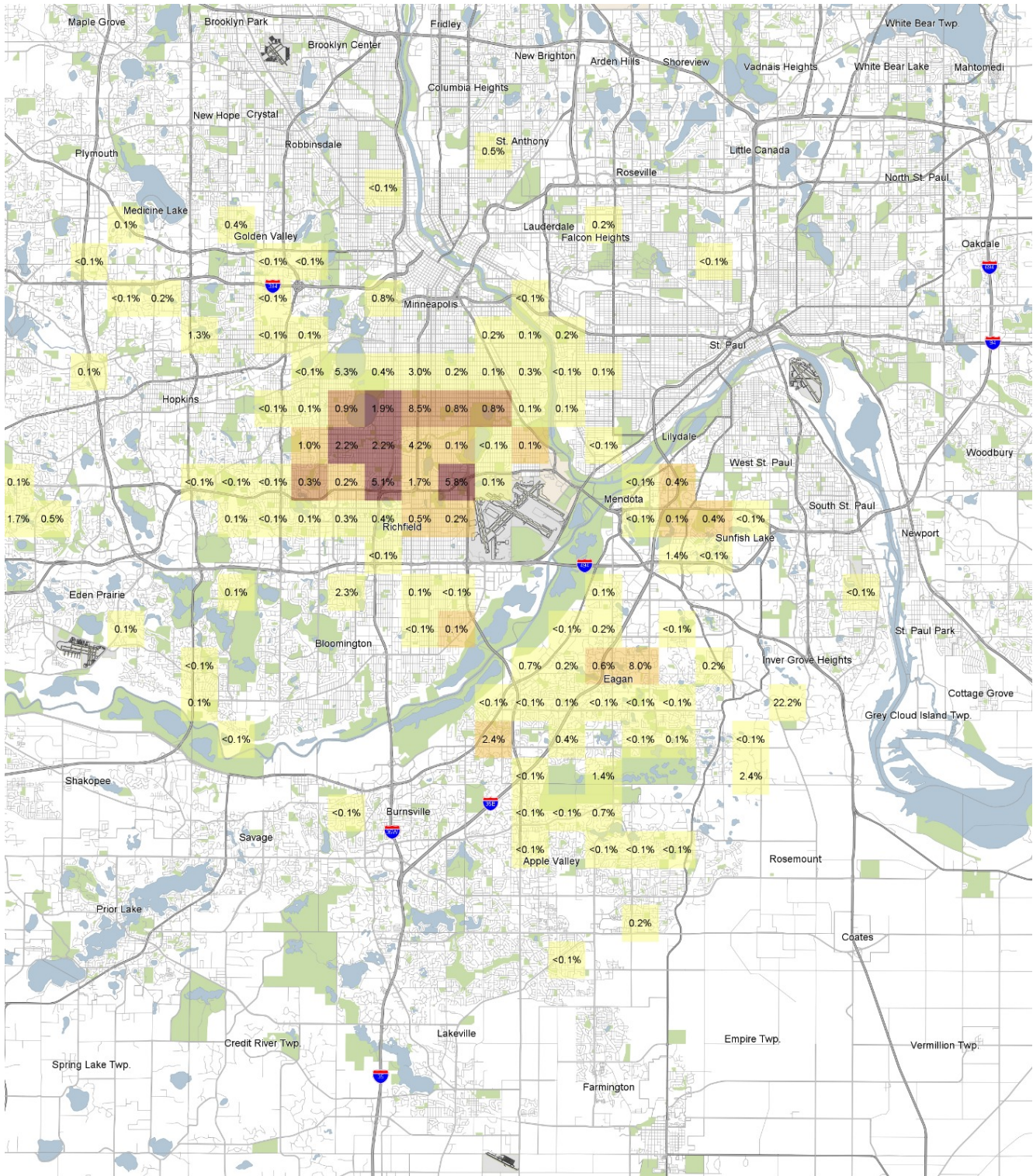
Nature of MSP Complaints		
Complaint	Total	
Early/Late	138	4072
Engine Run-up	0	122
Excessive Noise	472	12028
Frequency	317	11680
Ground Noise	7	400
Helicopter	2	101
Low Flying	55	7572
Structural Disturbance	14	2563
Other	13	239
Total	39795	

Time of Day		
Time	Total	
0000-0559	83	798
0600-0659	63	365
0700-1159	118	3326
1200-1559	18	1607
1600-1959	72	2617
2000-2159	111	2412
2200-2259	72	1063
2300-2359	13	506
Total	13244	

Complaints by Airport	
Airport	Total
MSP	13244
Airlake	1
Anoka	108
Crystal	5
Flying Cloud	234
Lake Elmo	3
St. Paul	7
Misc.	167
Total	13769

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 March 2017

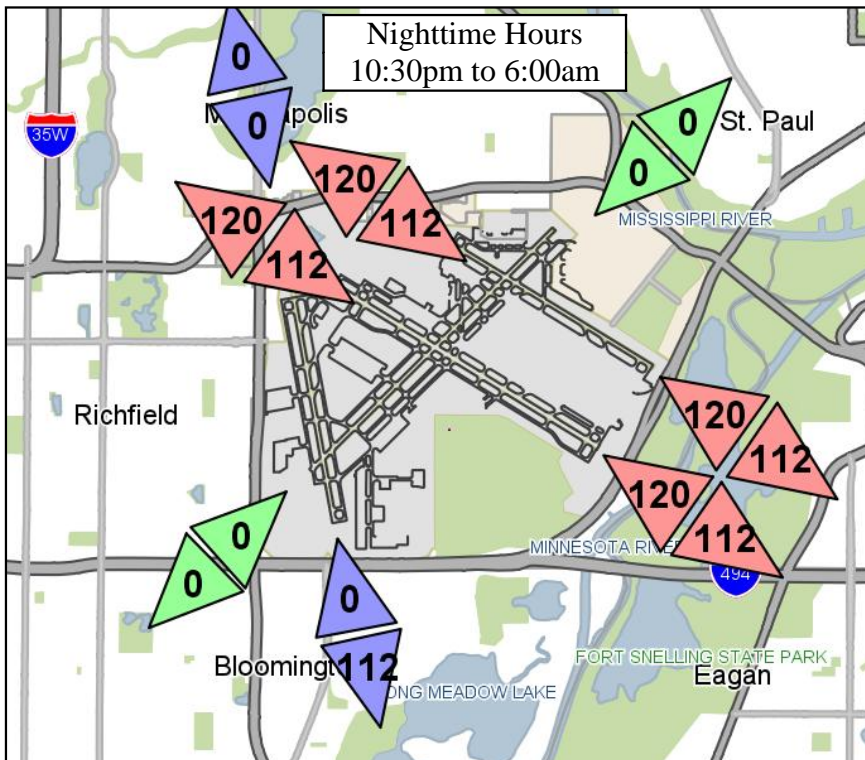
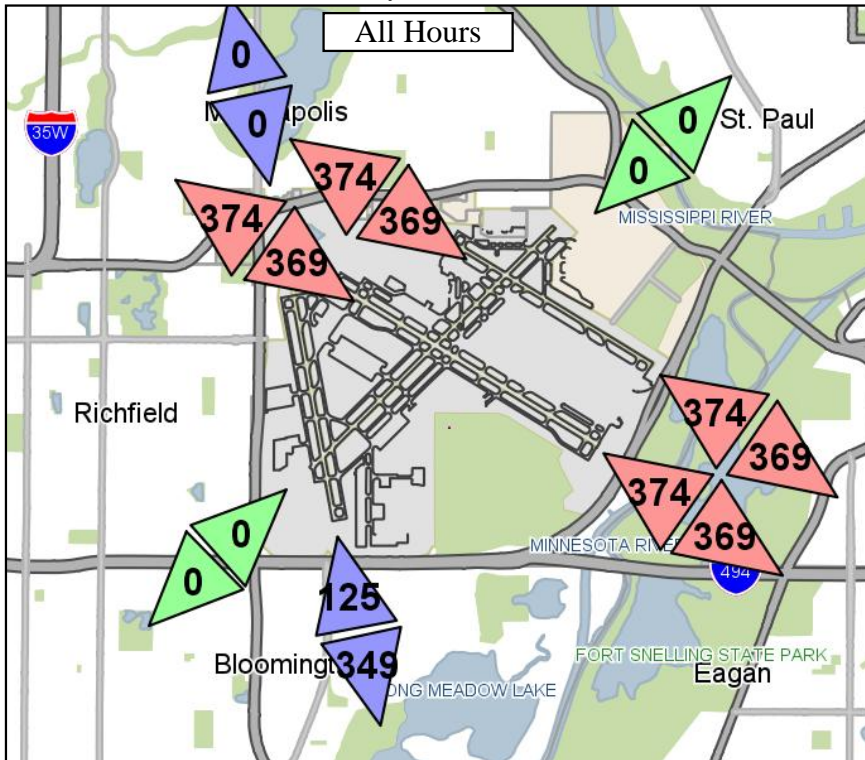


Complainant locations not shown on map: 1 from SHOREWOOD (25 complaints), 1 from ORONO (2 complaints), 1 from COTTAGE GROVE (114 complaints), 1 from TONKA BAY (2 complaints), 2 from EDEN PRAIRIE (229 complaints), 1 from MOUNDS VIEW (4 complaints), 1 from HASTINGS (1 complaints)

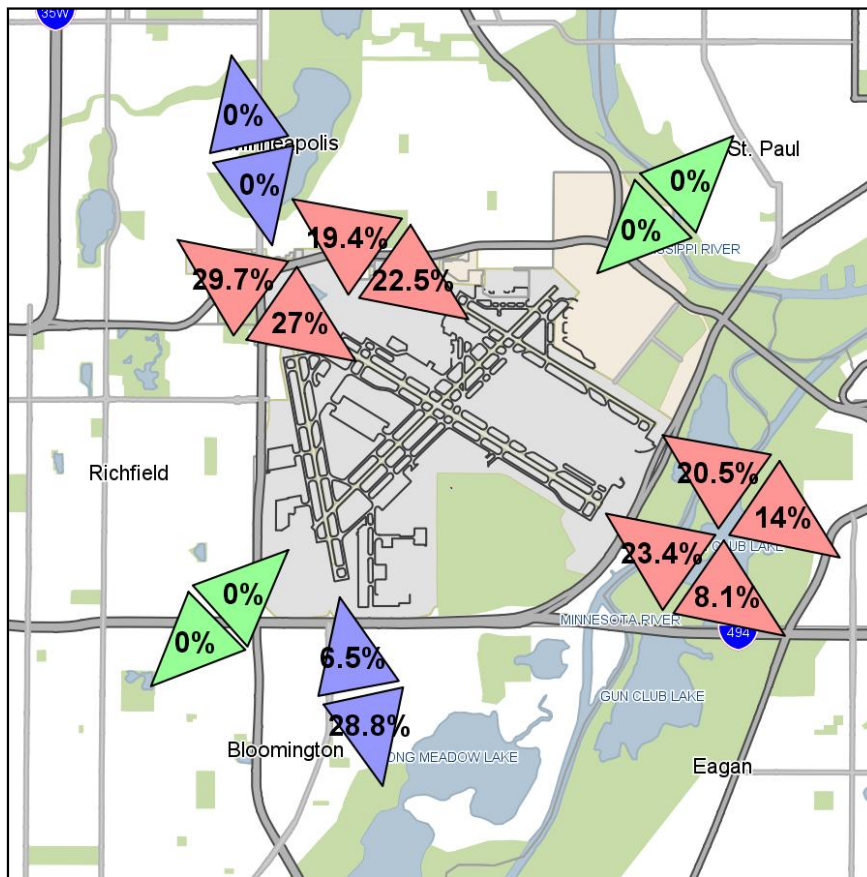
Available Hours for Runway Use

March 2017

(Source: FAA Aviation Systems Performance Metrics Data)



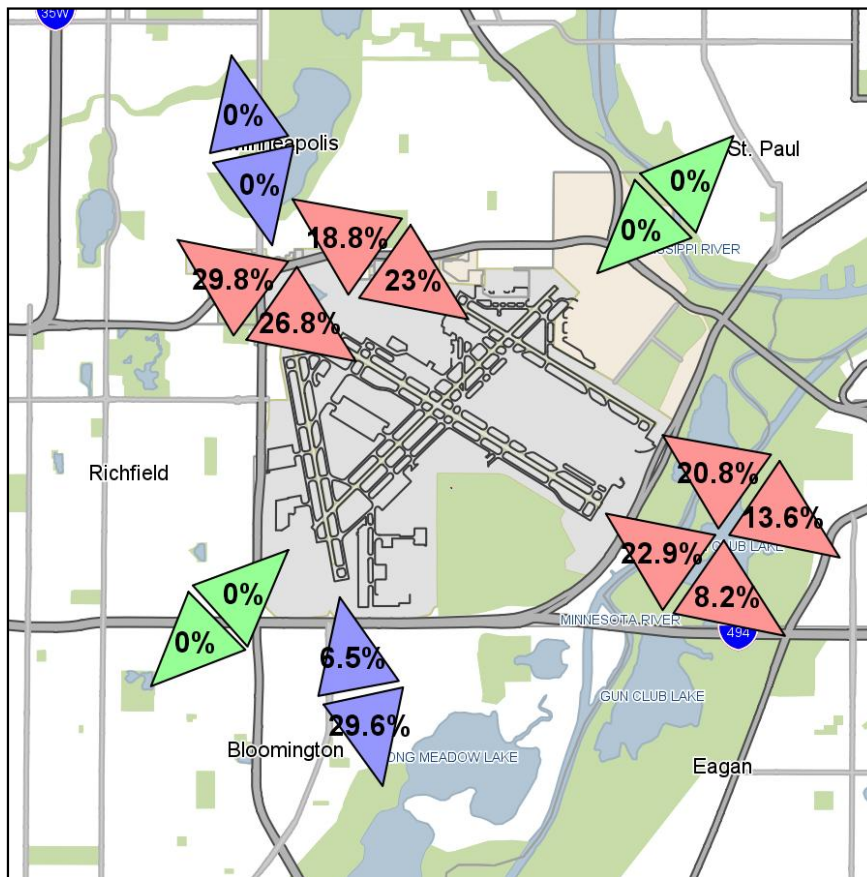
All Operations Runway Use Report March 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	2	0%
12L	Arr	So. Minneapolis/No. Richfield	4075	22.5%	4468	25.5%
12R	Arr	So. Minneapolis/No. Richfield	4897	27%	5345	30.6%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	2	0%
30L	Arr	Eagan/Mendota Heights	4237	23.4%	4056	23.2%
30R	Arr	Eagan/Mendota Heights	3722	20.5%	3154	18%
35	Arr	Bloomington/Eagan	1181	6.5%	466	2.7%
Total Arrivals			18112		17493	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	1	0%	5	0%
12L	Dep	Eagan/Mendota Heights	2529	14%	2811	16.1%
12R	Dep	Eagan/Mendota Heights	1464	8.1%	1678	9.6%
17	Dep	Bloomington/Eagan	5223	28.8%	5974	34.2%
22	Dep	So. Richfield/Bloomington	3	0%	7	0%
30L	Dep	So. Minneapolis/No. Richfield	5380	29.7%	3789	21.7%
30R	Dep	So. Minneapolis/No. Richfield	3523	19.4%	3209	18.4%
35	Dep	So. Minneapolis	0	0%	0	0%
Total Departures			18123		17473	
Total Operations			36235		34966	

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

Carrier Jet Operations Runway Use Report March 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	2	0%
12L	Arr	So. Minneapolis/No. Richfield	3827	23%	4240	26.1%
12R	Arr	So. Minneapolis/No. Richfield	4463	26.8%	4928	30.3%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	1	0%
30L	Arr	Eagan/Mendota Heights	3821	22.9%	3704	22.8%
30R	Arr	Eagan/Mendota Heights	3463	20.8%	2945	18.1%
35	Arr	Bloomington/Eagan	1086	6.5%	436	2.7%
Total Arrivals			16660		16256	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	1	0%	3	0%
12L	Dep	Eagan/Mendota Heights	2266	13.6%	2545	15.7%
12R	Dep	Eagan/Mendota Heights	1371	8.2%	1551	9.5%
17	Dep	Bloomington/Eagan	4937	29.6%	5644	34.7%
22	Dep	So. Richfield/Bloomington	1	0%	2	0%
30L	Dep	So. Minneapolis/No. Richfield	4975	29.8%	3544	21.8%
30R	Dep	So. Minneapolis/No. Richfield	3135	18.8%	2956	18.2%
35	Dep	So. Minneapolis	0	0%	0	0%
Total Departures			16686		16245	
Total Operations			33346		32501	

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

March 2017 MSP Carrier Jet Fleet Composition

Type	FAR Part 36 Take-Off Noise Level ¹	Aircraft Description	Stage	Count	Percent
DC10	101.8	McDonnell Douglas DC10	3	28	0.1%
B777	96.2	Boeing 777	3	80	0.2%
B763	95.7	Boeing 767-300	3	379	1.1%
A330	95.6	Airbus Industries A330	3	369	1.1%
MD11	92.8	McDonnell Douglas MD11	3	221	0.7%
B762	92.1	Boeing 767-200	3	46	0.1%
MD80	91.5	McDonnell Douglas MD80	3	804	2.4%
A300	91.5	Airbus Industries A300	3	9	0%
B73Q	91.4	Boeing 737 Modified Stage 3	3	4	0%
B757	91.4	Boeing 757-200	3	1962	5.9%
B764	91.2	Boeing 767-400	3	2	0%
A321	89.8	Airbus Industries A321	3	319	1%
B734	88.9	Boeing 737-400	3	8	0%
B738	88.6	Boeing 737-800	3	3300	9.9%
B739	88.4	Boeing 737-900	3	1792	5.4%
A320	87.8	Airbus Industries A320	3	2492	7.5%
B735	87.7	Boeing 737-500	3	6	0%
B733	87.5	Boeing 737-300	3	229	0.7%
A319	87.4	Airbus Industries A319	3	1999	6%
E190	86.9	Embraer 190	3	152	0.5%
B7377	85.9	Boeing 737-700	3	1580	4.7%
E170	84.6	Embraer 170	3	2438	7.3%
CRJ9	84.6	Canadair Regional Jet CRJ-900	3	4789	14.4%
MD90	84.2	McDonnell Douglas MD90	3	2526	7.6%
B717	84.1	Boeing 717	3	1044	3.1%
E145	83.7	Embraer 145	3	30	0.1%
CRJ7	83.2	Canadair Regional Jet CRJ-700	3	1249	3.7%
CRJ1	79.8	Canadair Regional Jet CRJ-100	3	41	0.1%
CRJ2	78.7	Canadair Regional Jet CRJ-200	3	5440	16.3%
E135	77.9	Embraer 135	3	8	0%
Totals				33346	

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

	Count	Current Percent	Last Year Percent ²
Stage 2	0	0%	0%
Stage 3	4	0%	0%
Stage 3 Manufactured	33342	100%	100%
Total Stage 3	33346		

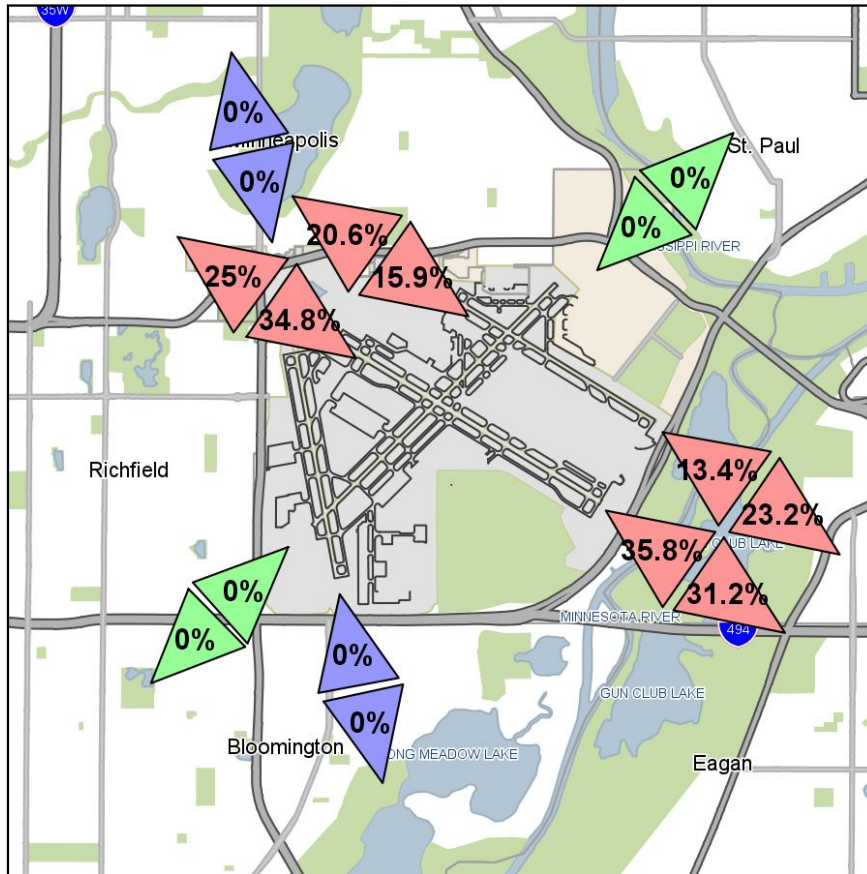
NOTE 1: Stage 3 represent aircraft modified to meet all Stage 3 criteria as outlined in Federal Aviation Regulation (FAR) Part 36. This includes hushkit engines, engine retrofits or aircraft operational flight configurations.

-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 for detailed information regarding aircraft types.

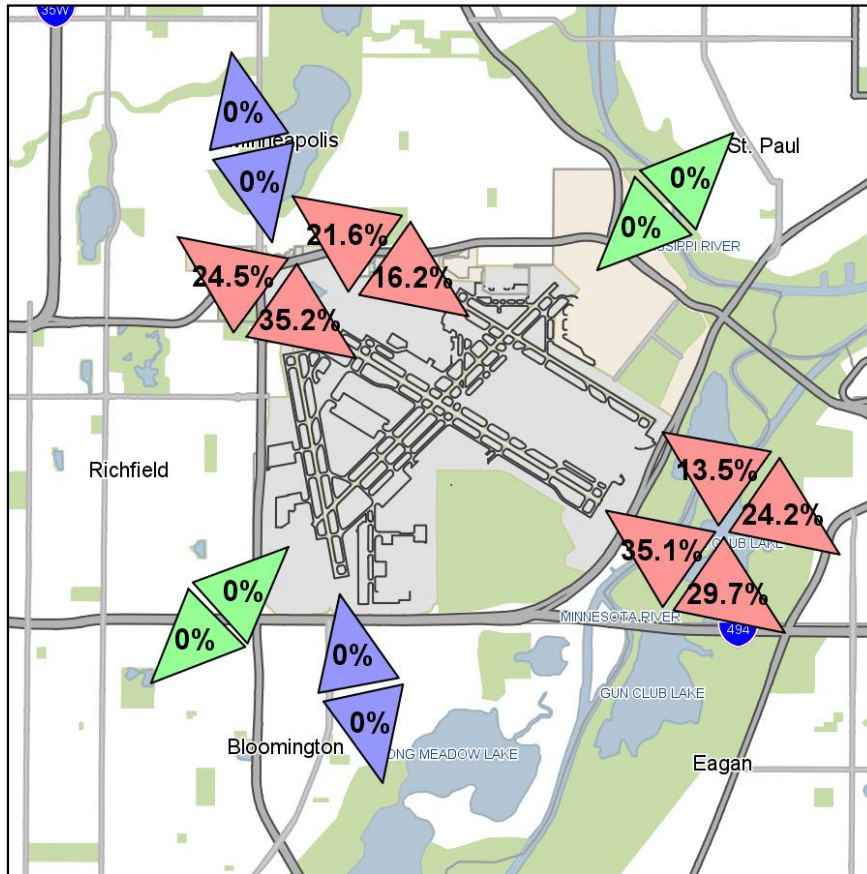
Nighttime All Operations 10:30 p.m. to 6:00 a.m. Runway Use Report March 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	2	0.1%
12L	Arr	So. Minneapolis/No. Richfield	291	15.9%	193	12.2%
12R	Arr	So. Minneapolis/No. Richfield	636	34.8%	550	34.8%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	0	0%
30L	Arr	Eagan/Mendota Heights	654	35.8%	642	40.6%
30R	Arr	Eagan/Mendota Heights	244	13.4%	195	12.3%
35	Arr	Bloomington/Eagan	0	0%	0	0%
Total Arrivals			1825		1582	
RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Dep	St. Paul/Highland Park	0	0%	2	0.4%
12L	Dep	Eagan/Mendota Heights	143	23.2%	95	17.5%
12R	Dep	Eagan/Mendota Heights	192	31.2%	179	33%
17	Dep	Bloomington/Eagan	0	0%	44	8.1%
22	Dep	So. Richfield/Bloomington	0	0%	0	0%
30L	Dep	So. Minneapolis/No. Richfield	154	25%	151	27.9%
30R	Dep	So. Minneapolis/No. Richfield	127	20.6%	71	13.1%
35	Dep	So. Minneapolis	0	0%	0	0%
Total Departures			616		542	
Total Operations			2441		2124	

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

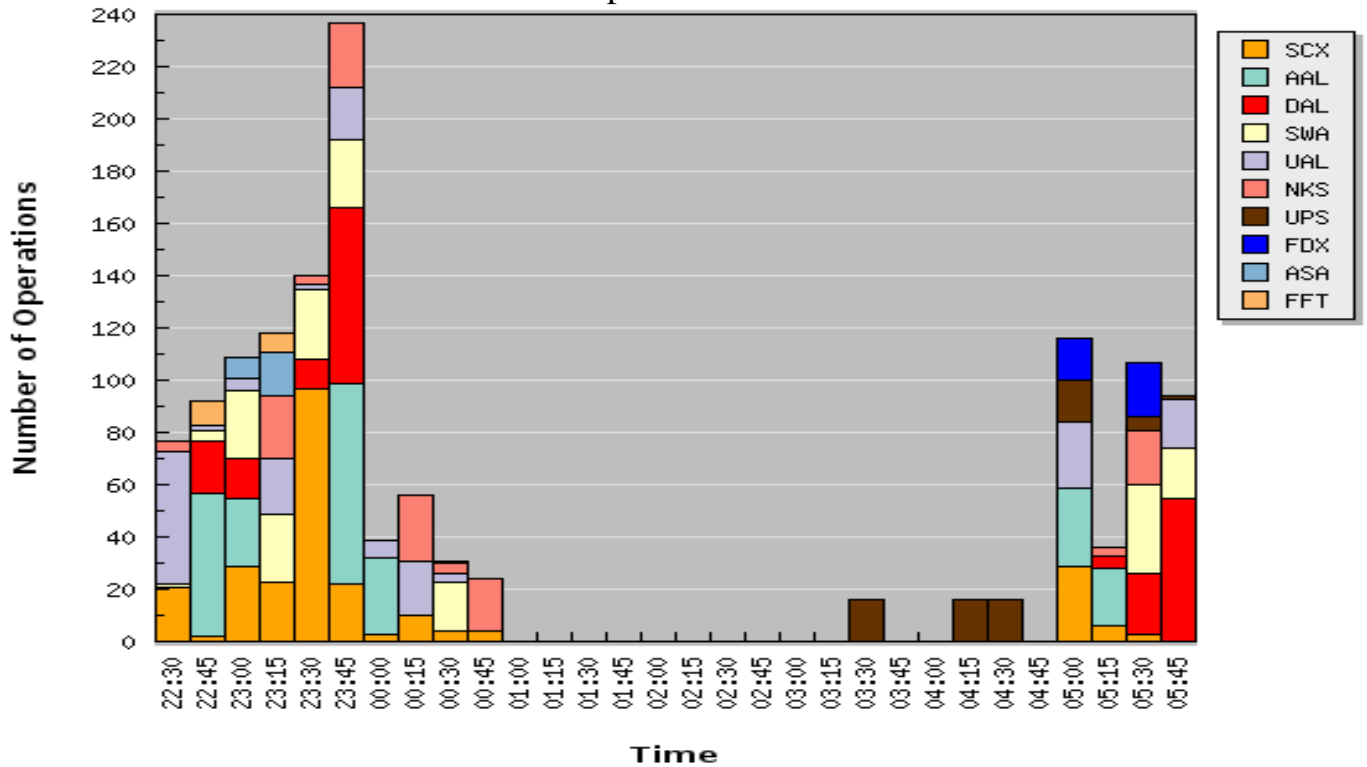
Nighttime Carrier Jet Operations 10:30 p.m. to 6:00 a.m. Runway Use Report March 2017



RWY	Arrival/ Departure	Overflight Area	Count Operations	Percent	Last Year Count	Last Year Percent
04	Arr	So. Richfield/Bloomington	0	0%	2	0.1%
12L	Arr	So. Minneapolis/No. Richfield	286	16.2%	189	12.5%
12R	Arr	So. Minneapolis/No. Richfield	621	35.2%	536	35.4%
17	Arr	So. Minneapolis	0	0%	0	0%
22	Arr	St. Paul/Highland Park	0	0%	0	0%
30L	Arr	Eagan/Mendota Heights	620	35.1%	597	39.4%
30R	Arr	Eagan/Mendota Heights	239	13.5%	190	12.5%
35	Arr	Bloomington/Eagan	0	0%	0	0%
Total Arrivals			1766		1514	
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	140	24.2%	94	18.4%
12R	Dep	Eagan/Mendota Heights	172	29.7%	168	32.9%
17	Dep	Bloomington/Eagan	0	0%	41	8%
22	Dep	So. Richfield/Bloomington	0	0%	0	0%
30L	Dep	So. Minneapolis/No. Richfield	142	24.5%	136	26.7%
30R	Dep	So. Minneapolis/No. Richfield	125	21.6%	71	13.9%
35	Dep	So. Minneapolis	0	0%	0	0%
Total Departures			579		510	
Total Operations			2345		2024	

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

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



April 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	253	253
American (AAL)	0	0	239	239
Delta (DAL)	0	0	196	196
Southwest (SWA)	0	0	182	182
United (UAL)	0	0	176	176
Spirit (NKS)	0	0	129	129
UPS (UPS)	0	0	70	70
Fedex (FDX)	0	0	37	37
Alaska (ASA)	0	0	26	26
Frontier Airlines (FFT)	0	0	16	16
Total	0	0	1324	1324

April 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
22:30	A	Sun Country	346	B738	M	MTWThFSSu	MCO MSP
22:37	D	Spirit	763	A320	M	ThFSSu	ORD MSP LAS
22:40	A	Southwest	4285	738	M	S	SJC PHX MSP
22:41	A	United	6007	E170	M	MTWThFSSu	IAH MSP
22:43	A	United	627	A320	M	MTWThFSSu	ORD MSP
22:43	A	United	627	A320	M	Su	DCA ORD MSP
22:44	A	United	627	B739	M	WThSu	ORD MSP
22:46	A	United	627	B739	M	Su	ORD MSP
22:50	D	Frontier Airlines	329	A319	M	MTWThFSSu	MSP DEN
22:51	A	American	239	B738	M	SSu	DFW MSP
22:53	A	Delta	2475	B753	M	SSu	ATL MSP
22:54	A	American	239	B738	M	MTWThFSSu	DFW MSP
22:55	A	Southwest	6522	738	M	S	SJC PHX MSP
22:55	A	Delta	2475	B753	M	MThFSu	ATL MSP
22:55	A	Southwest	1110	B737	M	S	RSW MDW MSP
22:55	A	Delta	2475	B739	M	T	ATL MSP
22:55	A	Sun Country	732	B737	M	S	SXM MSP
22:59	A	United	302	B738	M	S	IAH MSP
22:59	A	American	4678	E175	M	MTWThFSSu	MIA MSP
22:59	A	Delta	505	B757	M	S	SXM MSP
23:04	A	American	1083	B738	M	SSu	MIA MSP
23:04	A	United	5593	E170	M	Su	LAX MSP
23:05	A	Sun Country	254	B737	M	ThSu	BOS MSP
23:05	A	Sun Country	254	B738	M	MTThSu	BOS MSP
23:05	A	Southwest	494	B737	M	TWThF	STL MSP
23:05	A	Sun Country	404	B737	M	MTWF	SAN MSP
23:05	A	Southwest	48	738	M	Su	MCO STL MSP
23:06	A	American	2355	B738	M	MTWThFSu	ORD MSP
23:08	A	Sun Country	396	B737	M	MTWThF	SFO MSP
23:08	A	Sun Country	396	B738	M	MTWThFSu	SFO MSP
23:10	A	Sun Country	632	B738	M	Su	HRL MSP
23:10	A	American	2355	B738	M	Su	ORD MSP
23:10	A	Southwest	379	B737	M	MTWThF	LAS DEN MSP
23:10	A	Southwest	846	B737	M	S	MCO MSP
23:10	A	Southwest	6026	B737	M	Su	HOU DEN MSP
23:11	A	Delta	2060	B757	M	Su	LAS MSP
23:12	A	Alaska	28	B739	M	S	SEA MSP
23:12	A	Delta	810	B757	M	S	RSW MSP
23:12	A	Alaska	28	B737	M	MTWThS	SEA MSP
23:12	A	Alaska	28	738	M	FSu	SEA MSP
23:13	A	United	669	B739	M	SSu	SMF DEN MSP
23:14	A	Delta	2060	738	M	Th	LAS MSP
23:14	A	Delta	2060	B757	M	MFSu	LAS MSP
23:15	A	Southwest	4467	B737	M	MTWThF	MCO STL MSP
23:15	A	Sun Country	248	B737	M	ThSu	JFK MSP
23:15	D	Sun Country	781	B738	M	MSu	MSP SJU
23:15	A	Sun Country	248	B738	M	ThSu	JFK MSP
23:15	A	Southwest	101	B737	M	TWThF	MDW MSP
23:15	A	Spirit	170	A320	M	MSSu	LAS MSP
23:15	A	Southwest	3248	738	M	Su	STL MSP

April 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
23:17	A	Alaska	28	738	M	WFSu	SEA MSP
23:17	A	Frontier Airlines	332	A320	M	MSSu	DEN MSP
23:17	A	Sun Country	426	B737	M	Th	LAX MSP
23:17	A	Alaska	28	B739	M	Th	SEA MSP
23:17	A	Alaska	28	B737	M	MTWThS	SEA MSP
23:17	A	Sun Country	426	B738	M	MTWThFSu	LAX MSP
23:20	A	United	669	B739	M	MTWThF	SMF DEN MSP
23:20	A	United	669	B738	M	Su	SMF DEN MSP
23:22	A	United	669	B739	M	F	SMF DEN MSP
23:24	A	Spirit	170	A320	M	MTWThFSSu	LAS MSP
23:25	A	Southwest	1800	B737	M	TTh	ABQ DEN MSP
23:25	A	Southwest	1800	B737	M	W	ABQ DEN MSP
23:25	A	Southwest	3091	738	M	Su	PHX MDW MSP
23:26	A	Frontier Airlines	332	A320	M	WThFS	DEN MSP
23:27	A	Sun Country	370	B738	M	M	TPA MSP
23:27	A	Sun Country	370	B737	M	F	TPA MSP
23:30	A	Southwest	5135	B737	M	S	ATL MSP
23:32	A	Sun Country	426	B738	M	MT	LAX MSP
23:32	A	Sun Country	106	B737	M	S	LAS 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	B738	M	MTWThF	LAS MSP
23:35	A	Southwest	3676	B737	M	TWThF	SAN PHX MSP
23:35	A	United	2503	A320	M	Th	BKL MSP
23:35	A	Sun Country	582	B738	M	S	CUN MSP
23:35	A	Southwest	3113	B737	M	Su	DEN MSP
23:37	A	Delta	1371	B739	M	Su	LAX MSP
23:37	A	Delta	1371	738	M	S	LAX MSP
23:37	A	Sun Country	388	B738	M	MTWThFSSu	RSW MSP
23:37	A	Sun Country	388	B737	M	S	RSW MSP
23:38	A	Sun Country	236	B738	M	Su	DCA MSP
23:38	A	Sun Country	236	B737	M	MTWThFSu	DCA MSP
23:40	A	Southwest	1725	B737	M	MTWThF	BWI MDW MSP
23:40	A	Southwest	2678	B737	M	S	RSW MSP
23:40	A	Southwest	2172	738	M	Su	AUS ATL MSP
23:41	A	Delta	1371	B739	M	ThFSu	LAX MSP
23:42	A	Spirit	428	A320	M	MSSu	TPA MSP
23:44	A	United	5593	E170	M	S	LAX MSP
23:45	A	Sun Country	346	B738	M	S	MCO MSP
23:45	A	Southwest	4863	B737	M	MTWThF	LAS ATL MSP
23:46	A	Spirit	428	A320	M	MTWThFSSu	TPA MSP
23:47	A	American	4636	E175	M	MTWThFSu	DCA MSP
23:50	A	Southwest	2878	B737	M	Su	MDW MSP
23:50	A	Sun Country	548	B737	M	F	SJD MSP
23:50	A	Sun Country	548	B738	M	F	SJD MSP
23:53	A	Delta	2842	A320	M	S	SLC MSP
23:53	A	Delta	2842	B739	M	Su	SLC MSP
23:53	A	American	4636	E175	M	Su	DCA MSP
23:55	A	Southwest	5233	B737	M	Su	SFO PHX MSP
23:55	A	Delta	2842	B739	M	MTWThFSu	SLC MSP

April 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
23:55	A	Southwest	6072	738	M	Su	ATL MSP
23:55	A	Southwest	239	738	M	TWThF	ATL MSP
23:56	A	American	2039	A320	M	MTWThF	BWI CLT MSP
23:56	A	American	2039	A319	M	S	ROC CLT MSP
23:56	A	American	2039	A320	M	Su	LGA CLT MSP
23:56	A	American	1744	A321	M	MTWThFSSu	LAS PHX MSP
23:57	A	Delta	1130	B739	M	S	ATL MSP
23:57	A	American	1744	A321	M	SSu	LAS PHX MSP
23:57	A	Delta	1130	B757	M	S	ATL MSP
23:57	A	American	2039	A320	M	Su	FLL CLT MSP
23:57	A	Delta	356	B757	M	SSu	LIR ATL MSP
23:58	A	Sun Country	618	B738	M	MTWThFSu	PSP MSP
23:58	A	Sun Country	618	B737	M	MTS	PSP MSP
23:58	A	United	6324	CRJ	M	Su	IAD MSP
23:59	A	Delta	1130	MD90	M	S	ATL MSP
23:59	A	Spirit	424	A320	M	ThFSSu	LAX MSP
23:59	A	Delta	356	B757	M	MTThSu	LIR ATL MSP
23:59	A	Delta	1537	B739	M	MTWThFSu	PHX MSP
23:59	A	Delta	356	B739	M	F	LIR ATL MSP
23:59	A	Delta	356	738	M	W	LIR ATL MSP
23:59	A	United	5593	E170	M	MTWThF	LAX MSP
00:06	A	United	302	A320	M	T	IAH MSP
00:09	A	United	774	B739	M	M	ORD MSP
00:09	A	American	1180	B738	M	MSSu	LAX MSP
00:10	A	Sun Country	540	B738	M	Su	PVR MSP
00:10	A	United	2423	A320	M	TS	ORD MSP
00:10	A	Sun Country	540	B737	M	MSu	PVR MSP
00:12	A	American	1180	B738	M	MTWThFSSu	LAX MSP
00:14	A	United	2423	A319	M	Su	ORD MSP
00:15	A	United	1278	A320	M	W	SFO MSP
00:15	A	United	5315	E170	M	MS	SFO MSP
00:17	A	United	1278	B739	M	T	SFO MSP
00:20	A	Sun Country	548	B737	M	Su	SJD MSP
00:20	A	Sun Country	548	B738	M	MSu	SJD MSP
00:20	D	Spirit	597	A320	M	MTWThFSSu	MSP FLL
00:25	A	United	5315	E170	M	ThFS	SFO MSP
00:27	A	Sun Country	108	B737	M	Su	LAS MSP
00:27	A	Sun Country	108	B738	M	MTFS	LAS MSP
00:30	A	Sun Country	594	B737	M	S	MZT MSP
00:30	A	Southwest	1645	738	M	TWThFS	PDX PHX MSP
00:30	A	Sun Country	594	B738	M	SSu	MZT MSP
00:32	A	Alaska	932	B737	M	S	SEA MSP
00:35	A	United	5315	E170	M	M	SFO MSP
00:40	A	Southwest	6529	B737	M	M	SNA PHX MSP
00:44	A	Spirit	596	A320	M	MTSSu	FLL MSP
00:47	A	Spirit	596	A320	M	MTWThFSSu	FLL MSP
00:50	A	Sun Country	544	B738	M	MSSu	CUN MSP
03:30	A	UPS	0554	B757	M	TWThF	
04:15	A	UPS	0556	B757	M	TWThF	
04:25	A	Fedex	8364	FA20		TWThF	

April 2017 Nighttime Scheduled Carrier Jet Operations

Time	A/D	Carrier	Flight Number	Equipment	Stage 3	Days of Operation	Routing
04:32	A	UPS	0558	B757	M	TWThF	
05:00	D	United	6186	E170	M	MTWThFS	MSP IAH
05:00	D	American	2340	B738	M	MTWThFS	MSP ORD
05:00	D	United	1751	A320	M	T	MSP IAH GUA
05:00	A	American	1986	A321	M	M	SFO PHX MSP
05:00	A	Sun Country	110	B738	M	MTWThFSSu	LAS MSP
05:00	A	Sun Country	110	B737	M	TSu	LAS MSP
05:07	A	Sun Country	610	B738	M	MFSSu	PHX MSP
05:07	A	Sun Country	610	B737	M	W	PHX MSP
05:09	A	Fedex	1718	MD11	M	TWThF	
05:09	D	United	1873	B738	M	SSu	MSP IAH
05:09	D	American	1910	A320	M	S	MSP CLT LGA
05:10	D	American	1252	B738	M	SSu	MSP MIA
05:10	A	UPS	0560	MD11	M	TWThF	
05:14	D	American	823	A320	M	S	MSP CLT UVF
05:18	A	Sun Country	430	B738	M	MS	LAX MSP
05:19	D	American	1897	A320	M	MTWThF	MSP CLT EWR
05:19	D	American	1708	A319	M	Su	MSP CLT FLL
05:20	D	Delta	1991	B739	M	S	MSP ATL
05:22	A	Delta	798	B753	M	S	PHX MSP
05:28	A	Sun Country	398	B737	M	M	SFO MSP
05:28	A	Spirit	612	A319	M	MSSu	LAS MSP ORD
05:28	A	Sun Country	398	B738	M	M	SFO MSP
05:30	D	Delta	1991	B757	M	MTWThFSu	MSP ATL
05:30	D	Sun Country	563	B738	M	SSu	MSP CUN
05:30	D	Delta	1991	MD80	M	Su	MSP ATL
05:30	A	Spirit	612	A319	M	MTWThFSSu	LAS MSP ORD
05:30	D	Southwest	1250	738	M	MTWThF	MSP PHX
05:34	A	Fedex	1407	MD11	M	TWThFS	
05:36	A	Fedex	1407	MD11	M	S	
05:40	D	Southwest	1504	738	M	MTWThF	MSP STL DEN
05:40	D	Southwest	2007	B737	M	TWThF	MSP ATL
05:44	A	UPS	0496	B757	M	S	
05:45	D	UPS	9890	B757	M	F	
05:45	A	Delta	1662	B739	M	M	LAX MSP
05:45	D	Southwest	1339	B737	M	TWThF	MSP PHX
05:45	D	Southwest	3297	B737	M	MTWThF	MSP BWI ECP
05:48	A	Delta	1492	A333	M	MTWThFSSu	HNL MSP
05:50	A	Delta	1450	B739	M	Su	LAS MSP
05:50	D	United	1864	B739	M	T	MSP DEN
05:50	A	Delta	1450	A320	M	S	LAS MSP
05:50	A	Delta	1450	A319	M	S	LAS MSP
05:53	A	Delta	1450	B739	M	Su	LAS MSP
05:53	A	Delta	1450	MD90	M	S	LAS MSP
05:53	A	Delta	1450	A320	M	MTWThF	LAS MSP
05:55	D	United	1864	B739	M	MTWThF	MSP DEN
05:56	A	Delta	1450	MD90	M	MTWThF	LAS MSP
05:57	A	Delta	806	B739	M	S	SFO MSP
05:57	A	Delta	806	B757	M	S	SFO MSP

March 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	459
2300	766
2400	325
100	73
200	17
300	26
400	121
500	558
TOTAL	2345

Airline	ID	Stage	Type	Count
American	AAL	3	MD80	2
American	AAL	3	A319	9
American	AAL	3	A321	43
American	AAL	3	A320	53
American	AAL	3	B738	185
Compass	CPZ	3	E170	37
Delta	DAL	3	MD80	5
Delta	DAL	3	B738	9
Delta	DAL	3	A319	25
Delta	DAL	3	A320	30
Delta	DAL	3	A330	31
Delta	DAL	3	B763	33
Delta	DAL	3	MD90	41
Delta	DAL	3	B717	44
Delta	DAL	3	B739	154
Delta	DAL	3	B757	203
Endeavor Air	EDV	3	CRJ2	11
Endeavor Air	EDV	3	CRJ9	32
Fedex	FDX	3	A300	1
Fedex	FDX	3	B757	5
Fedex	FDX	3	DC10	8
Fedex	FDX	3	MD11	27
Frontier Airlines	FFT	3	A320	31
Gojet Airlines	GJS	3	CRJ9	1
Gojet Airlines	GJS	3	CRJ7	24
Mesa Airlines	ASH	3	E170	2
Mesa Airlines	ASH	3	CRJ7	21
Republic Airlines	RPA	3	E170	39
Skywest Airlines	SKW	3	CRJ7	18
Skywest Airlines	SKW	3	CRJ2	44
Skywest Airlines	SKW	3	E170	59
Skywest Airlines	SKW	3	CRJ9	77
Southwest	SWA	3	B733	14
Southwest	SWA	3	B738	75
Southwest	SWA	3	B7377	109
Spirit	NKS	3	A319	29
Spirit	NKS	3	A321	29
Spirit	NKS	3	A320	100
Sun Country	SCX	3	B7377	104
Sun Country	SCX	3	B738	329
United	UAL	3	A319	5
United	UAL	3	B7377	9
United	UAL	3	A320	27
United	UAL	3	B739	37
United	UAL	3	B738	40
UPS	UPS	3	MD11	20

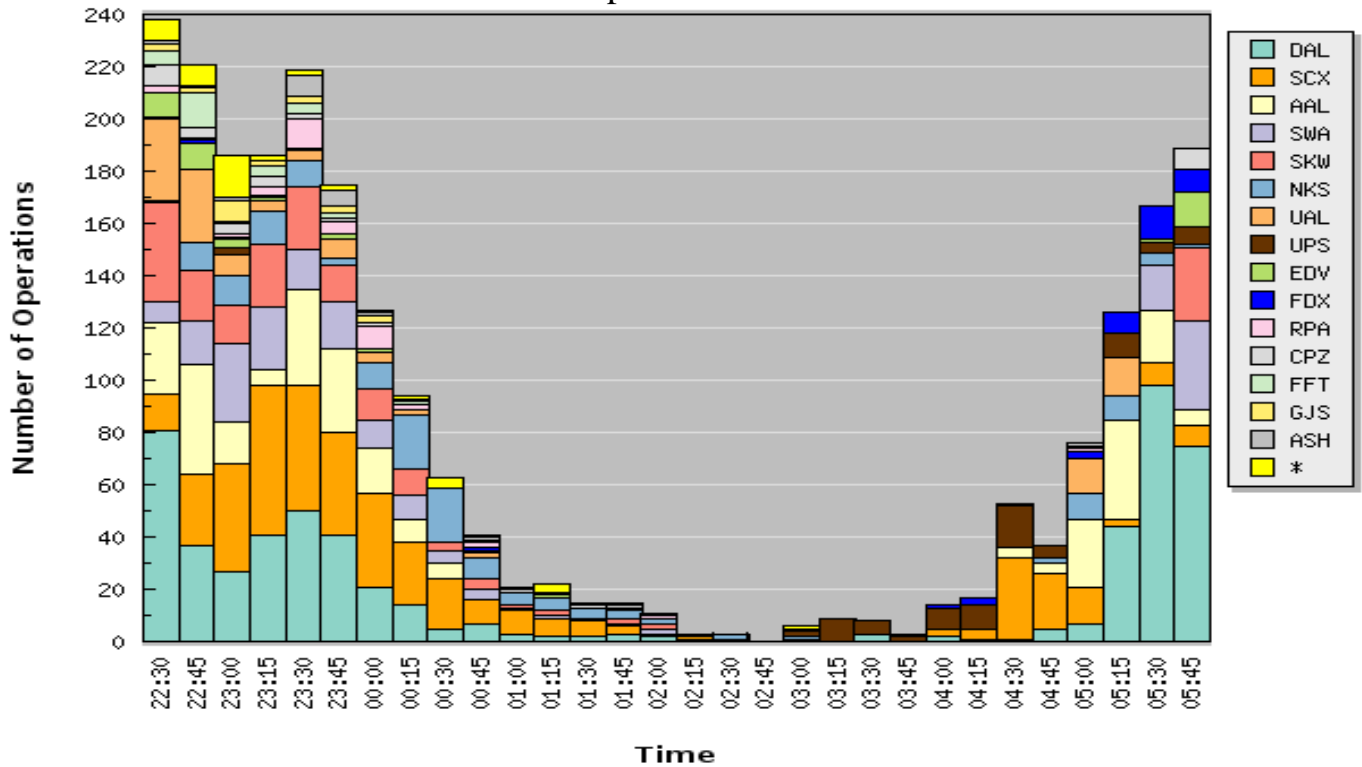
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March 2017 Top 15 Actual Nighttime Jet Operators by Type
10:30 p.m. to 6:00 a.m.
Continued

Airline	ID	Stage	Type	Count
UPS	UPS	3	B757	60
TOTAL				2291

Note: The top 15 nighttime operators represent 97.7% of the total nighttime carrier jet operations.

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



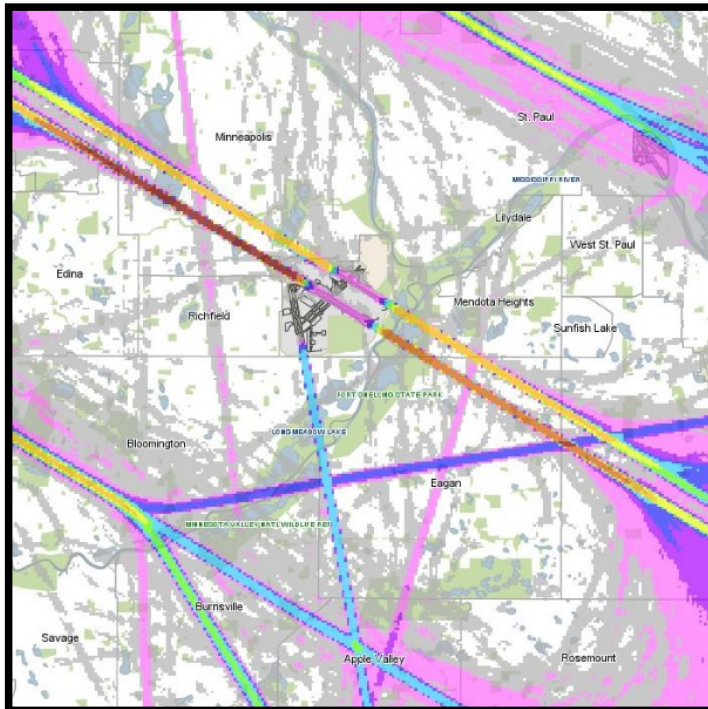
March 2017 Nighttime Carrier Jet Fleet Stage Mix for Top 15 Airlines
10:30 p.m. to 6:00 a.m.

Airline	Stage 2	Stage 3	Manufactured Stage 3	Total
Delta (DAL)	0	0	575	575
Sun Country (SCX)	0	0	433	433
American (AAL)	0	0	292	292
Southwest (SWA)	0	0	198	198
Skywest Airlines (SKW)	0	0	198	198
Spirit (NKS)	0	0	158	158
United (UAL)	0	0	118	118
UPS (UPS)	0	0	80	80
Endeavor Air (EDV)	0	0	43	43
Fedex (FDX)	0	0	41	41
Republic Airlines (RPA)	0	0	39	39
Compass (CPZ)	0	0	37	37
Frontier Airlines (FFT)	0	0	31	31
Gojet Airlines (GJS)	0	0	25	25
Mesa Airlines (ASH)	0	0	23	23
Other	0	1	53	54
Total	0	1	2344	2345

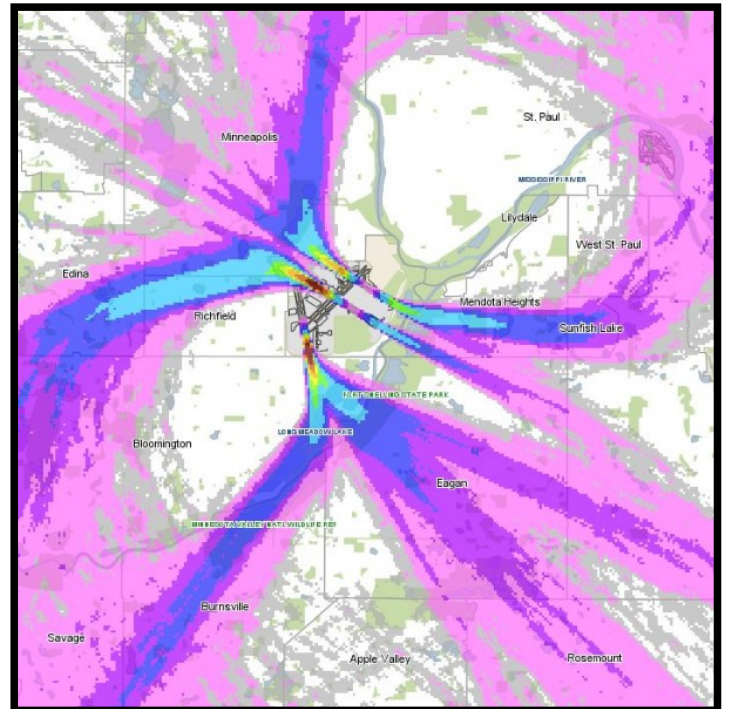
Airport Noise and Operations Monitoring System Flight Tracks

Carrier Jet Operations - March 2017

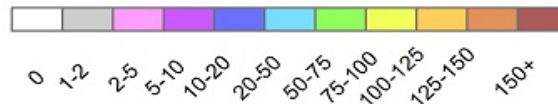
Mar 1 thru 8, 2017 - 4115 Carrier Jet Arrivals



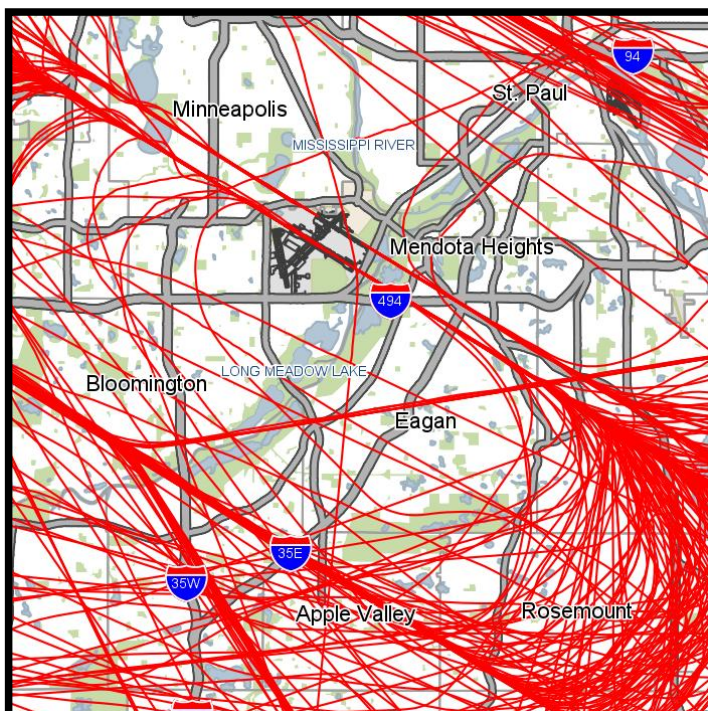
Mar 1 thru 8, 2017 - 4127 Carrier Jet Departures



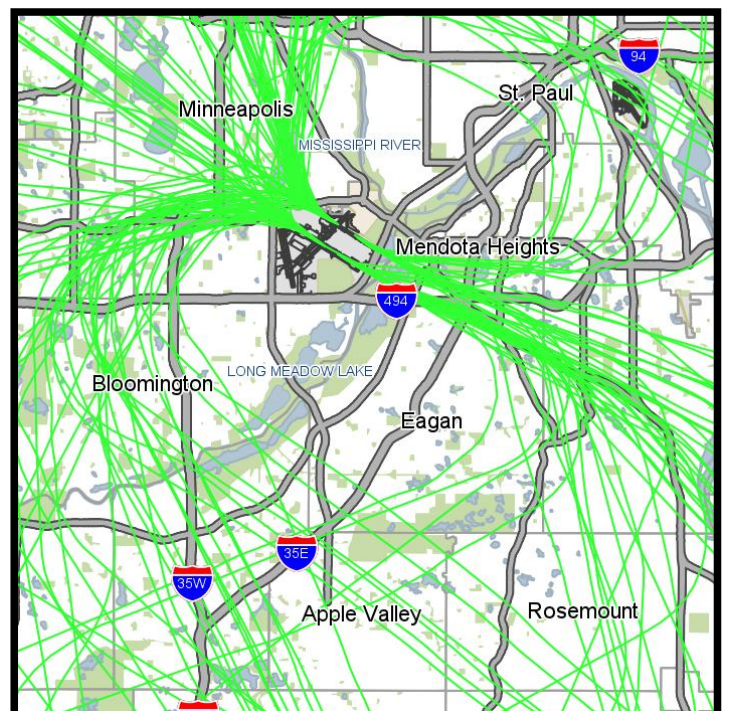
Average Daily Operations



Mar 1 thru 8, 2017 - 394 Nighttime* Carrier Jet Arrivals



Mar 1 thru 8, 2017 - 148 Nighttime* Carrier Jet Departures

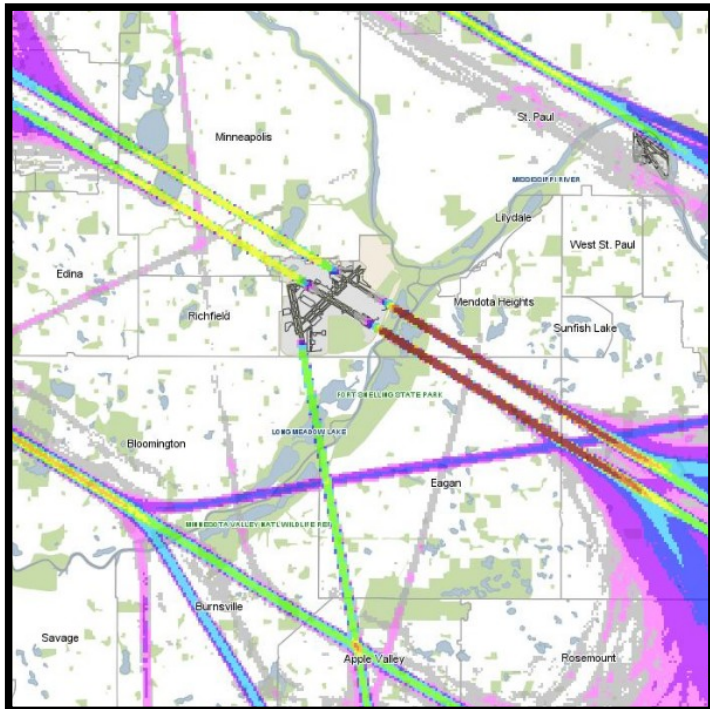


*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.

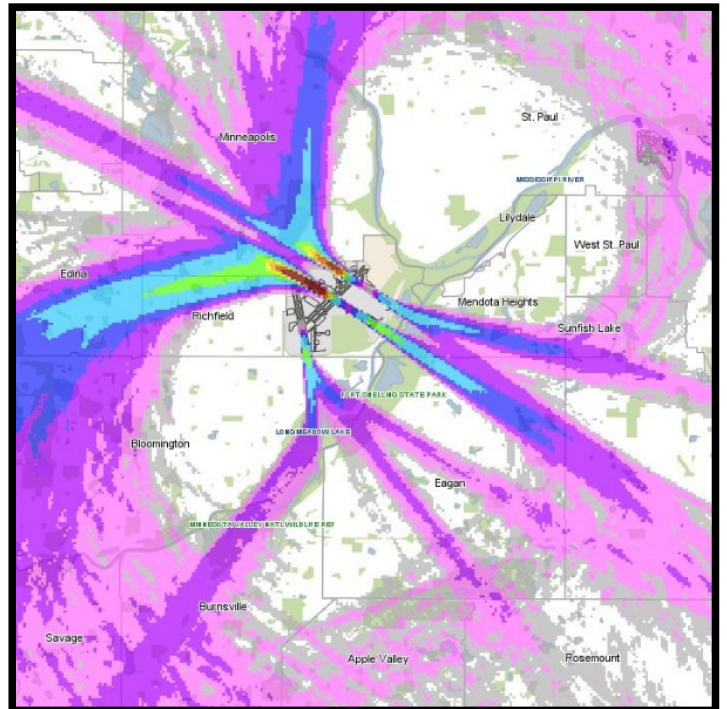
Airport Noise and Operations Monitoring System Flight Tracks

Carrier Jet Operations - March 2017

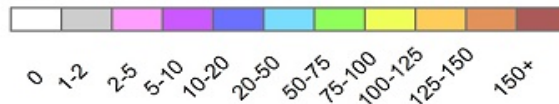
Mar 9 thru 16, 2017 - 4325 Carrier Jet Arrivals



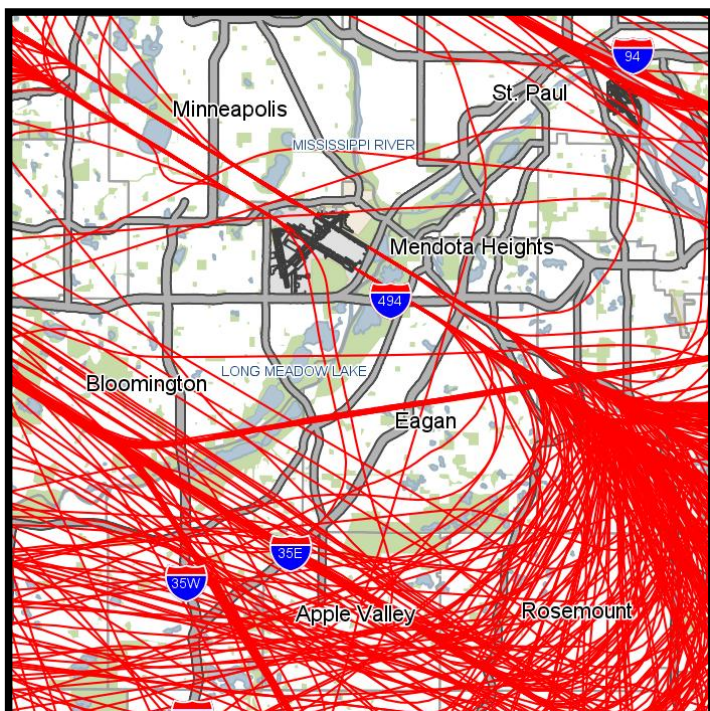
Mar 9 thru 16, 2017 - 4326 Carrier Jet Departures



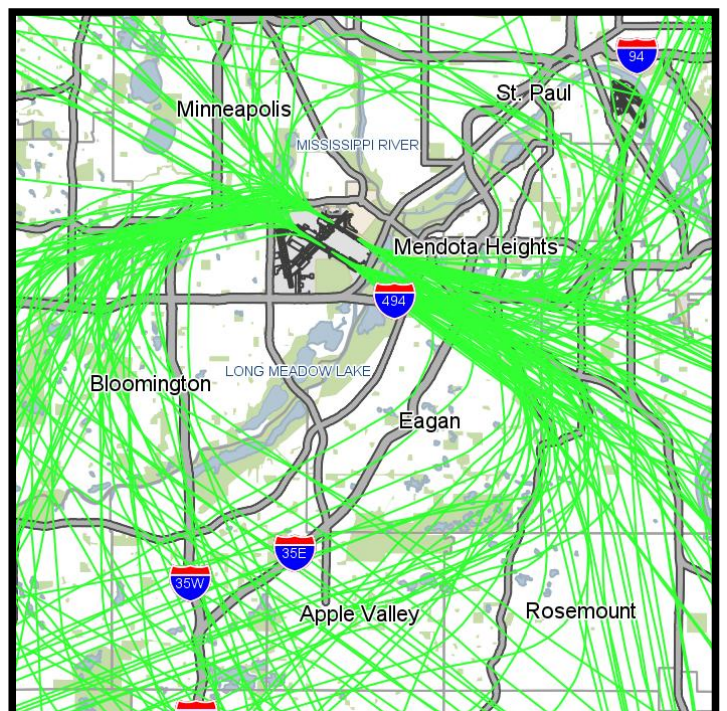
Average Daily Operations



Mar 9 thru 16, 2017 - 486 Nighttime* Carrier Jet Arrivals



Mar 9 thru 16, 2017 - 199 Nighttime* Carrier Jet Departures

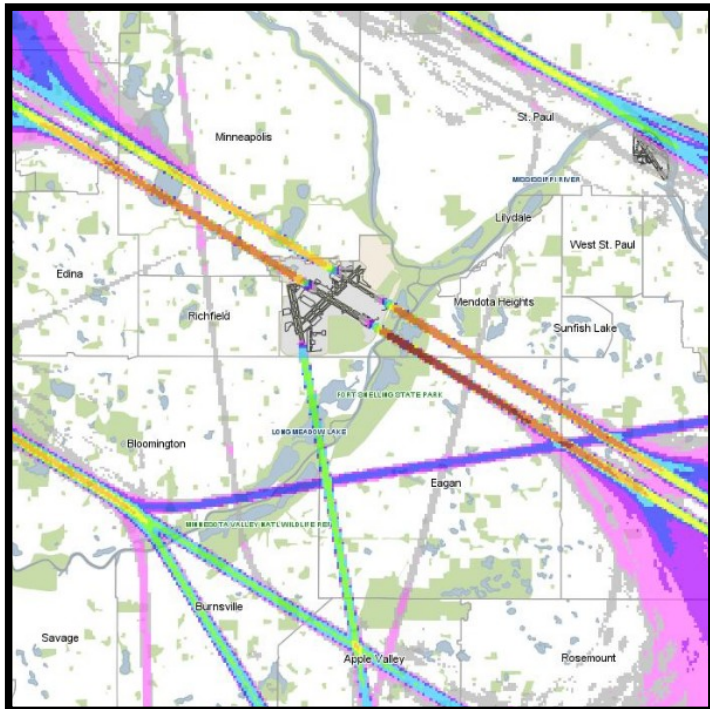


*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.

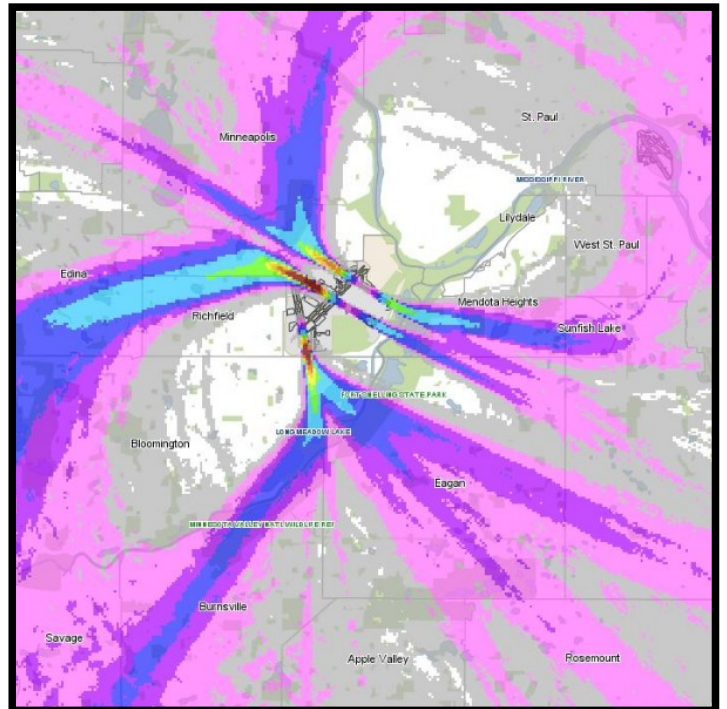
Airport Noise and Operations Monitoring System Flight Tracks

Carrier Jet Operations - March 2017

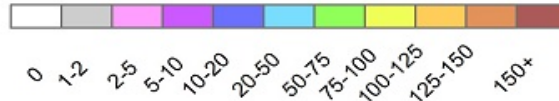
Mar 17 thru 24, 2017 - 4386 Carrier Jet Arrivals



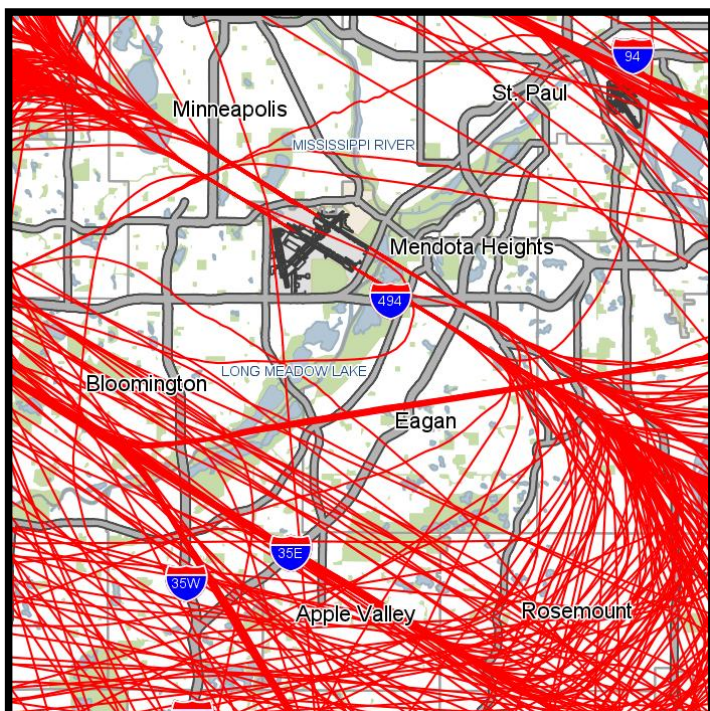
Mar 17 thru 24, 2017 - 4401 Carrier Jet Departures



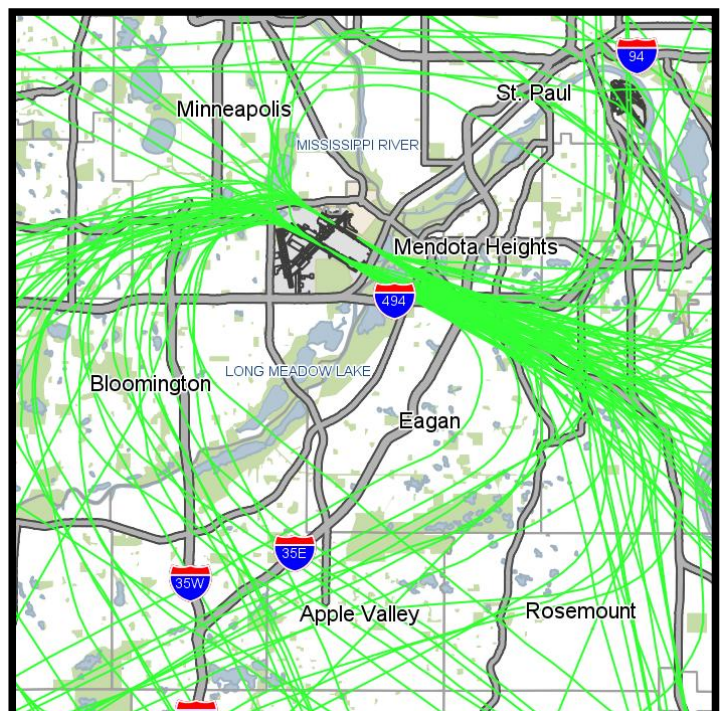
Average Daily Operations



Mar 17 thru 24, 2017 - 482 Nighttime* Carrier Jet Arrivals



Mar 17 thru 24, 2017 - 125 Nighttime* Carrier Jet Departures

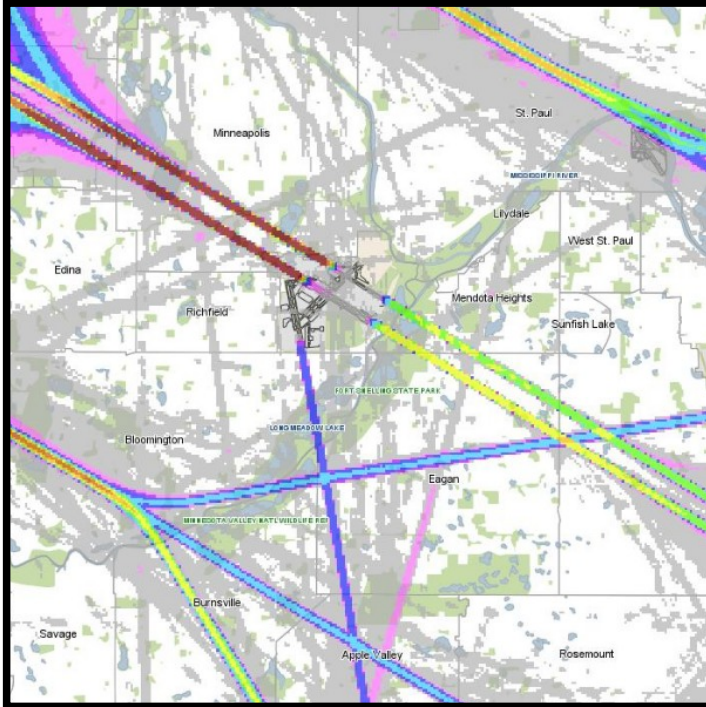


*NOTE: Nighttime is 10:30 p.m. to 6:00 a.m.

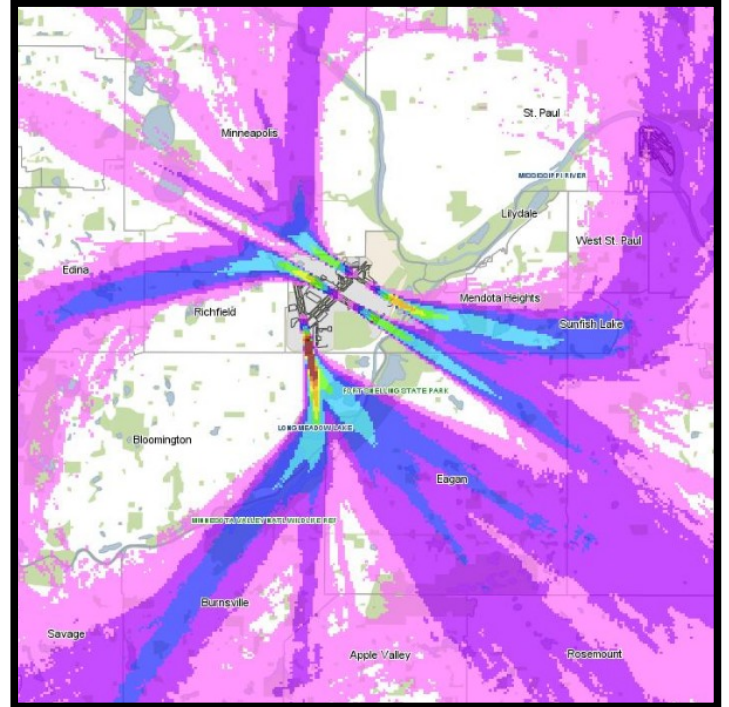
Airport Noise and Operations Monitoring System Flight Tracks

Carrier Jet Operations - March 2017

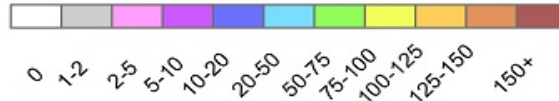
Mar 25 thru 31, 2017 - 3834 Carrier Jet Arrivals



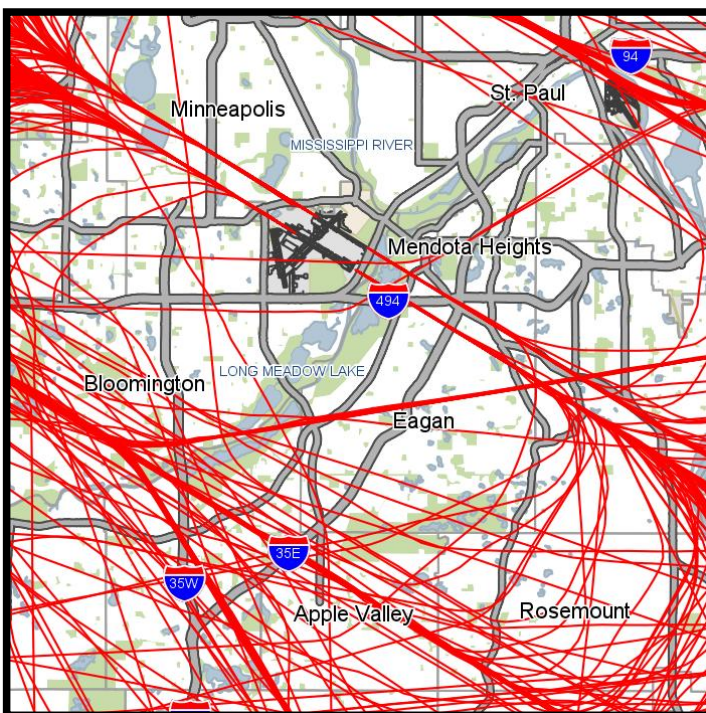
Mar 25 thru 31, 2017 - 3832 Carrier Jet Departures



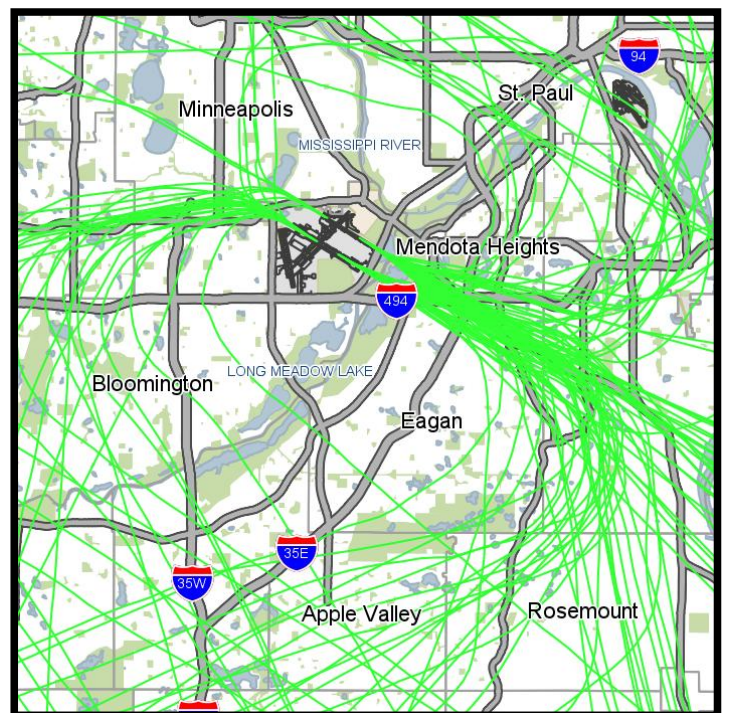
Average Daily Operations



Mar 25 thru 31, 2017 - 404 Nighttime* Carrier Jet Arrivals

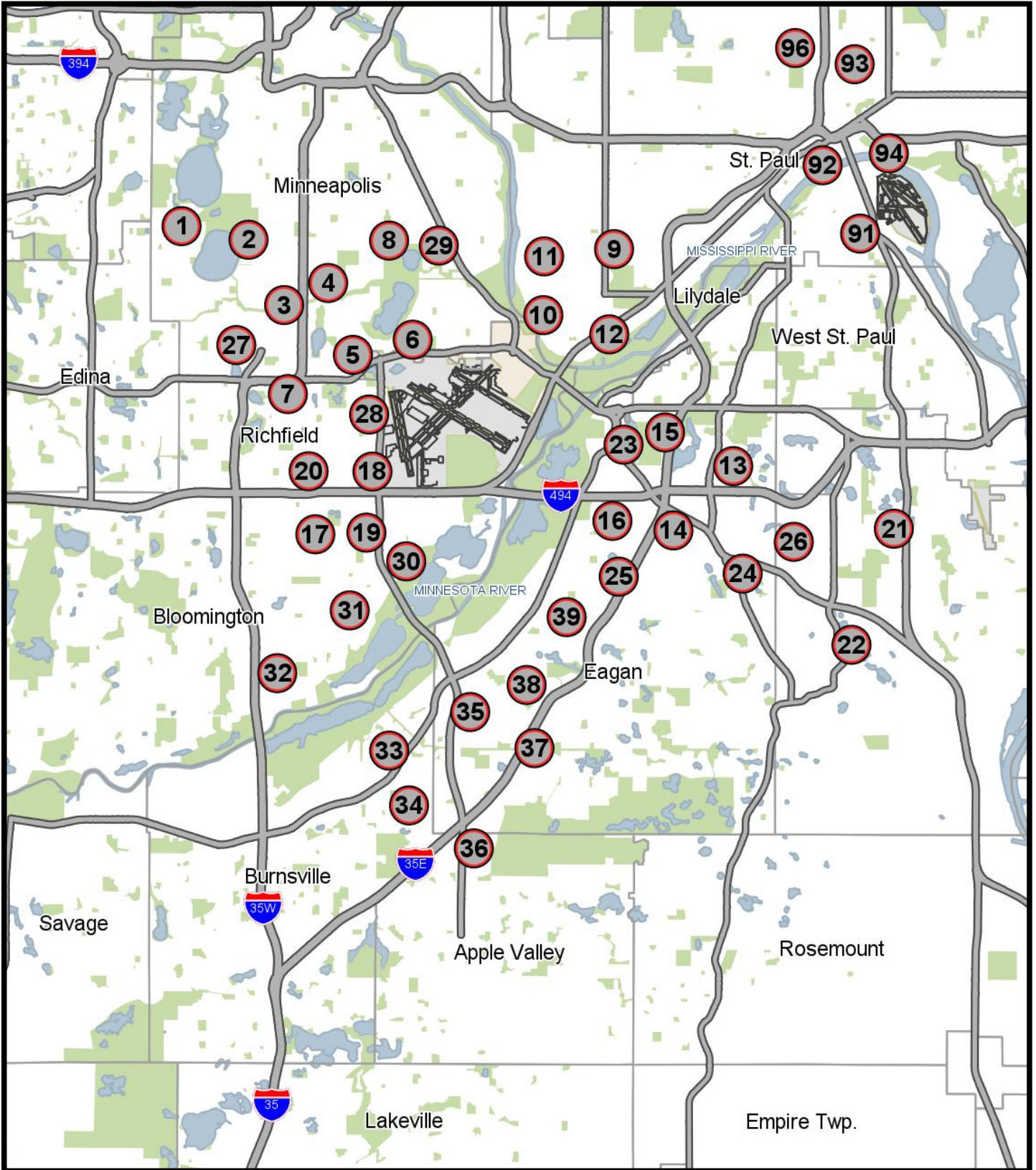


Mar 25 thru 31, 2017 - 107 Nighttime* Carrier Jet Departures



*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.

Time Above dB Threshold for Arrival Related Noise Events

March 2017

RMT ID	City	Address	Time >= 65dB	Time >= 80dB	Time >= 90dB	Time >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	18:46:00	00:00:44	00:00:01	00:00:00
2	Minneapolis	Fremont Ave. & 43rd St.	18:11:03	00:06:30	00:00:00	00:00:00
3	Minneapolis	West Elmwood St. & Belmont Ave.	25:43:19	01:04:07	00:00:37	00:00:00
4	Minneapolis	Park Ave. & 48th St.	18:00:50	00:06:00	00:00:00	00:00:00
5	Minneapolis	12th Ave. & 58th St.	24:54:53	05:15:45	00:01:29	00:00:00
6	Minneapolis	25th Ave. & 57th St.	18:38:49	03:00:17	00:00:49	00:00:00
7	Richfield	Wentworth Ave. & 64th St.	00:20:21	00:00:06	00:00:00	00:00:00
8	Minneapolis	Longfellow Ave. & 43rd St.	00:04:42	00:00:00	00:00:00	00:00:00
9	St. Paul	Saratoga St. & Hartford Ave.	00:00:16	00:00:00	00:00:00	00:00:00
10	St. Paul	Itasca Ave. & Bowdoin St.	00:00:33	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.	00:00:41	00:00:00	00:00:00	00:00:00
13	Mendota Heights	Southeast end of Mohican Court	00:14:47	00:00:03	00:00:00	00:00:00
14	Eagan	1st St. & McKee St.	15:49:34	00:00:39	00:00:06	00:00:00
15	Mendota Heights	Cullon St. & Lexington Ave.	00:10:05	00:00:01	00:00:00	00:00:00
16	Eagan	Avalon Ave. & Vilas Ln.	19:00:55	00:32:24	00:00:09	00:00:00
17	Bloomington	84th St. & 4th Ave.	00:00:00	00:00:00	00:00:00	00:00:00
18	Richfield	75th St. & 17th Ave.	01:03:59	00:00:00	00:00:00	00:00:00
19	Bloomington	16th Ave. & 84th St.	00:00:07	00:00:00	00:00:00	00:00:00
20	Richfield	75th St. & 3rd Ave.	00:00:24	00:00:00	00:00:00	00:00:00
21	Inver Grove Heights	Barbara Ave. & 67th St.	00:02:15	00:00:00	00:00:00	00:00:00
22	Inver Grove Heights	Anne Marie Trail	11:53:55	00:00:30	00:00:07	00:00:00
23	Mendota Heights	End of Kenndon Ave.	01:20:44	00:00:11	00:00:00	00:00:00
24	Eagan	Chapel Ln. & Wren Ln.	18:00:03	00:00:50	00:00:12	00:00:00
25	Eagan	Moonshine Park 1321 Jurdy Rd.	00:20:08	00:00:00	00:00:00	00:00:00
26	Inver Grove Heights	6796 Arkansas Ave. W.	01:28:33	00:00:08	00:00:00	00:00:00
27	Minneapolis	Anthony School 5757 Irving Ave. S.	00:12:44	00:00:07	00:00:00	00:00:00
28	Richfield	6645 16th Ave. S.	01:45:44	00:00:01	00:00:00	00:00:00
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	00:02:28	00:00:00	00:00:00	00:00:00
30	Bloomington	8715 River Ridge Rd.	00:44:21	00:00:15	00:00:00	00:00:00
31	Bloomington	9501 12th Ave. S.	00:00:15	00:00:00	00:00:00	00:00:00
32	Bloomington	10325 Pleasant Ave. S.	00:00:22	00:00:00	00:00:00	00:00:00
33	Burnsville	North River Hills Park	00:00:10	00:00:00	00:00:00	00:00:00
34	Burnsville	Red Oak Park	00:00:40	00:00:00	00:00:00	00:00:00
35	Eagan	2100 Garnet Ln.	01:40:40	00:00:02	00:00:00	00:00:00
36	Apple Valley	Briar Oaks & Scout Pond	04:03:02	00:00:11	00:00:00	00:00:00
37	Eagan	4399 Woodgate Ln. N.	00:02:00	00:00:00	00:00:00	00:00:00
38	Eagan	3957 Turquoise Cir.	00:00:57	00:00:00	00:00:00	00:00:00
39	Eagan	3477 St. Charles Pl.	00:00:48	00:00:00	00:00:00	00:00:00
Total Time for Arrival Noise Events			202:41:07	10:08:51	00:03:30	00:00:00

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

Time Above Threshold dB for Departure Related Noise Events March 2017

RMT ID	City	Address	Time >= 65dB	Time >= 80dB	Time >= 90dB	Time >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	01:50:01	00:00:01	00:00:00	00:00:00
2	Minneapolis	Fremont Ave. & 43rd St.	02:39:31	00:00:22	00:00:00	00:00:00
3	Minneapolis	West Elmwood St. & Belmont Ave.	06:12:33	00:04:23	00:00:00	00:00:00
4	Minneapolis	Park Ave. & 48th St.	06:52:07	00:05:43	00:00:00	00:00:00
5	Minneapolis	12th Ave. & 58th St.	32:30:31	01:42:13	00:01:48	00:00:00
6	Minneapolis	25th Ave. & 57th St.	31:10:32	03:00:18	00:05:47	00:00:00
7	Richfield	Wentworth Ave. & 64th St.	23:09:54	00:28:56	00:00:05	00:00:00
8	Minneapolis	Longfellow Ave. & 43rd St.	07:19:57	00:10:07	00:00:02	00:00:00
9	St. Paul	Saratoga St. & Hartford Ave.	00:04:24	00:00:00	00:00:00	00:00:00
10	St. Paul	Itasca Ave. & Bowdoin St.	00:03:22	00:00:10	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.	00:04:00	00:00:00	00:00:00	00:00:00
13	Mendota Heights	Southeast end of Mohican Court	06:48:00	00:01:46	00:00:00	00:00:00
14	Eagan	1st St. & McKee St.	08:13:03	00:05:48	00:00:00	00:00:00
15	Mendota Heights	Cullon St. & Lexington Ave.	08:07:50	00:06:30	00:00:00	00:00:00
16	Eagan	Avalon Ave. & Vilas Ln.	08:52:48	00:20:28	00:00:04	00:00:00
17	Bloomington	84th St. & 4th Ave.	00:04:02	00:00:00	00:00:00	00:00:00
18	Richfield	75th St. & 17th Ave.	13:56:34	00:02:35	00:00:01	00:00:00
19	Bloomington	16th Ave. & 84th St.	06:21:51	00:00:33	00:00:00	00:00:00
20	Richfield	75th St. & 3rd Ave.	00:13:47	00:00:02	00:00:00	00:00:00
21	Inver Grove Heights	Barbara Ave. & 67th St.	00:56:51	00:00:03	00:00:00	00:00:00
22	Inver Grove Heights	Anne Marie Trail	01:15:20	00:00:00	00:00:00	00:00:00
23	Mendota Heights	End of Kenndon Ave.	15:20:14	00:30:07	00:00:16	00:00:00
24	Eagan	Chapel Ln. & Wren Ln.	04:48:54	00:00:40	00:00:00	00:00:00
25	Eagan	Moonshine Park 1321 Jurdy Rd.	08:50:49	00:00:05	00:00:00	00:00:00
26	Inver Grove Heights	6796 Arkansas Ave. W.	02:25:23	00:00:16	00:00:00	00:00:00
27	Minneapolis	Anthony School 5757 Irving Ave. S.	10:37:23	00:05:43	00:00:00	00:00:00
28	Richfield	6645 16th Ave. S.	18:14:03	00:06:03	00:00:00	00:00:00
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	04:57:16	00:03:35	00:00:00	00:00:00
30	Bloomington	8715 River Ridge Rd.	23:45:03	00:49:04	00:00:21	00:00:00
31	Bloomington	9501 12th Ave. S.	02:34:27	00:00:08	00:00:00	00:00:00
32	Bloomington	10325 Pleasant Ave. S.	00:31:04	00:00:00	00:00:00	00:00:00
33	Burnsville	North River Hills Park	01:52:47	00:00:10	00:00:00	00:00:00
34	Burnsville	Red Oak Park	00:34:15	00:00:10	00:00:00	00:00:00
35	Eagan	2100 Garnet Ln.	02:03:05	00:00:57	00:00:00	00:00:00
36	Apple Valley	Briar Oaks & Scout Pond	00:11:57	00:00:00	00:00:00	00:00:00
37	Eagan	4399 Woodgate Ln. N.	02:54:07	00:01:09	00:00:00	00:00:00
38	Eagan	3957 Turquoise Cir.	05:26:06	00:04:53	00:00:00	00:00:00
39	Eagan	3477 St. Charles Pl.	06:10:31	00:04:37	00:00:00	00:00:00
Total Time for Departure Noise Events			278:04:22	07:57:35	00:08:24	00:00:00

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

Arrival Related Noise Events

March 2017

RMT ID	City	Address	Arrival Events >= 65dB	Arrival Events >= 80dB	Arrival Events >= 90dB	Arrival Events >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	4174	9	2	0
2	Minneapolis	Fremont Ave. & 43rd St.	3970	105	0	0
3	Minneapolis	West Elmwood St. & Belmont Ave.	4882	960	7	1
4	Minneapolis	Park Ave. & 48th St.	4008	116	0	0
5	Minneapolis	12th Ave. & 58th St.	5048	4020	32	0
6	Minneapolis	25th Ave. & 57th St.	4190	3201	32	0
7	Richfield	Wentworth Ave. & 64th St.	68	6	0	0
8	Minneapolis	Longfellow Ave. & 43rd St.	19	0	0	0
9	St. Paul	Saratoga St. & Hartford Ave.	1	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.	3	0	0	0
13	Mendota Heights	Southeast end of Mohican Court	62	1	0	0
14	Eagan	1st St. & McKee St.	3535	11	1	0
15	Mendota Heights	Cullon St. & Lexington Ave.	46	1	0	0
16	Eagan	Avalon Ave. & Vilas Ln.	4215	568	2	0
17	Bloomington	84th St. & 4th Ave.	0	0	0	0
18	Richfield	75th St. & 17th Ave.	245	0	0	0
19	Bloomington	16th Ave. & 84th St.	1	0	0	0
20	Richfield	75th St. & 3rd Ave.	1	0	0	0
21	Inver Grove Heights	Barbara Ave. & 67th St.	11	0	0	0
22	Inver Grove Heights	Anne Marie Trail	2687	3	1	0
23	Mendota Heights	End of Kenndon Ave.	259	6	0	0
24	Eagan	Chapel Ln. & Wren Ln.	3997	12	1	0
25	Eagan	Moonshine Park 1321 Jurdy Rd.	70	0	0	0
26	Inver Grove Heights	6796 Arkansas Ave. W.	299	1	0	0
27	Minneapolis	Anthony School 5757 Irving Ave. S.	33	3	0	0
28	Richfield	6645 16th Ave. S.	395	1	0	0
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	9	0	0	0
30	Bloomington	8715 River Ridge Rd.	196	3	0	0
31	Bloomington	9501 12th Ave. S.	1	0	0	0
32	Bloomington	10325 Pleasant Ave. S.	1	0	0	0
33	Burnsville	North River Hills Park	1	0	0	0
34	Burnsville	Red Oak Park	3	0	0	0
35	Eagan	2100 Garnet Ln.	397	1	0	0
36	Apple Valley	Briar Oaks & Scout Pond	906	2	0	0
37	Eagan	4399 Woodgate Ln. N.	7	0	0	0
38	Eagan	3957 Turquoise Cir.	4	0	0	0
39	Eagan	3477 St. Charles Pl.	3	0	0	0
Total Arrival Noise Events			43748	9030	78	1

*Note: These counts are based upon Lmax.

Departure Related Noise Events

March 2017

RMT ID	City	Address	Departure Events >= 65dB	Departure Events >= 80dB	Departure Events >= 90dB	Departure Events >= 100dB
1	Minneapolis	Xerxes Ave. & 41st St.	410	1	0	0
2	Minneapolis	Fremont Ave. & 43rd St.	570	11	0	0
3	Minneapolis	West Elmwood St. & Belmont Ave.	1176	62	0	0
4	Minneapolis	Park Ave. & 48th St.	1285	90	0	0
5	Minneapolis	12th Ave. & 58th St.	5198	1177	36	0
6	Minneapolis	25th Ave. & 57th St.	5394	1612	84	0
7	Richfield	Wentworth Ave. & 64th St.	3884	360	2	0
8	Minneapolis	Longfellow Ave. & 43rd St.	1318	94	4	0
9	St. Paul	Saratoga St. & Hartford Ave.	14	0	0	0
10	St. Paul	Itasca Ave. & Bowdoin St.	8	3	0	0
11	St. Paul	Finn St. & Scheffer Ave.	0	0	0	0
12	St. Paul	Alton St. & Rockwood Ave.	13	0	0	0
13	Mendota Heights	Southeast end of Mohican Court	1326	22	0	0
14	Eagan	1st St. & McKee St.	1463	61	0	0
15	Mendota Heights	Cullon St. & Lexington Ave.	1485	95	0	0
16	Eagan	Avalon Ave. & Vilas Ln.	1445	249	3	0
17	Bloomington	84th St. & 4th Ave.	16	0	0	0
18	Richfield	75th St. & 17th Ave.	2816	61	1	0
19	Bloomington	16th Ave. & 84th St.	1311	20	0	0
20	Richfield	75th St. & 3rd Ave.	50	1	0	0
21	Inver Grove Heights	Barbara Ave. & 67th St.	220	2	0	0
22	Inver Grove Heights	Anne Marie Trail	293	0	0	0
23	Mendota Heights	End of Kenndon Ave.	2507	394	5	0
24	Eagan	Chapel Ln. & Wren Ln.	937	14	0	0
25	Eagan	Moonshine Park 1321 Jurdy Rd.	1098	2	0	0
26	Inver Grove Heights	6796 Arkansas Ave. W.	527	4	0	0
27	Minneapolis	Anthony School 5757 Irving Ave. S.	2133	95	0	0
28	Richfield	6645 16th Ave. S.	3452	114	0	0
29	Minneapolis	Ericsson Elem. School 4315 31st Ave. S.	905	34	0	0
30	Bloomington	8715 River Ridge Rd.	3807	584	9	0
31	Bloomington	9501 12th Ave. S.	519	3	0	0
32	Bloomington	10325 Pleasant Ave. S.	120	0	0	0
33	Burnsville	North River Hills Park	389	3	0	0
34	Burnsville	Red Oak Park	135	1	0	0
35	Eagan	2100 Garnet Ln.	396	15	0	0
36	Apple Valley	Briar Oaks & Scout Pond	47	0	0	0
37	Eagan	4399 Woodgate Ln. N.	543	19	0	0
38	Eagan	3957 Turquoise Cir.	1034	53	0	0
39	Eagan	3477 St. Charles Pl.	1224	48	0	0
Total Departure Noise Events			49468	5304	144	0

*Note: These counts are based upon Lmax.

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#1)

Xerxes Ave. & 41st St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/05/2017 19:00	DAL1769	B757	A	12R	91.6
03/05/2017 10:33	DAL201	B757	A	12R	90
03/16/2017 10:02	DAL1734	B757	A	12R	84.4
03/30/2017 19:54	DAL1934	MD80	A	12R	81.8
03/03/2017 19:57	DAL1127	MD90	A	12L	81.2
03/14/2017 8:49	NKS322	A320	A	12R	80.4
03/04/2017 16:37	DAL1574	MD80	A	12R	80.4
03/19/2017 15:15	UAL500	B738	A	12R	80.2
03/30/2017 9:34	AAL329	MD80	A	12R	80.2
03/07/2017 11:51	DAL1469	A330	D	30L	80

(RMT Site#2)

Fremont Ave. & 43rd St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/16/2017 19:12	DAL550	MD80	A	12L	85.9
03/27/2017 16:28	DAL320	MD80	A	12L	85.8
03/06/2017 9:53	DAL994	B739	A	12L	85.4
03/25/2017 8:52	DAL1866	MD80	A	12L	85.1
03/23/2017 18:17	DAL1623	MD80	A	12L	84.6
03/06/2017 10:09	DAL2368	MD80	A	12L	84.4
03/29/2017 14:25	Unknown	UKN	A	12L	84.4
03/29/2017 21:22	DAL1055	MD80	A	12L	84.2
03/23/2017 12:39	Unknown	UKN	A	12L	84.2
03/06/2017 7:31	DAL2563	MD80	A	12L	84.2

(RMT Site#3)

West Elmwood St. & Belmont Ave., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/05/2017 19:00	DAL1769	B757	A	12R	100.1
03/05/2017 10:34	DAL201	B757	A	12R	99.8
03/28/2017 5:29	DAL806	B757	A	12R	97.4
03/05/2017 20:59	DAL1712	B757	A	12R	95.5
03/16/2017 10:03	DAL1734	B757	A	12R	93.6
03/30/2017 5:31	FDX1718	MD11	A	12R	90.9
03/25/2017 9:36	AAL329	MD80	A	12R	90.6
03/20/2017 7:33	DAL1582	MD80	D	30L	89
03/27/2017 9:05	DAL1815	MD80	D	30L	88.6
03/30/2017 17:31	FDX798	MD11	A	12R	88.2

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#4)

Park Ave. & 48th St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/20/2017 9:06	DAL1931	MD80	D	30R	87.5
03/28/2017 6:52	DAL1582	MD80	D	30R	87.3
03/02/2017 18:05	DAL2397	MD80	D	30R	87.3
03/21/2017 20:10	DAL748	MD80	D	30R	86.9
03/06/2017 10:09	DAL2368	MD80	A	12L	86.7
03/06/2017 18:13	DAL746	MD80	A	12L	86.3
03/07/2017 10:45	DAL995	MD80	D	30L	85.9
03/24/2017 20:45	DAL162	A330	D	30L	85.3
03/31/2017 11:21	DAL121	B777	D	30L	85.1
03/01/2017 18:43	DAL2397	MD80	D	30R	84.8

(RMT Site#5)

12th Ave. & 58th St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/05/2017 21:00	DAL1712	B757	A	12R	98.5
03/31/2017 7:40	DAL1504	B757	D	30L	95.4
03/23/2017 5:23	FDX1407	MD11	A	12R	94
03/18/2017 9:32	AAL1405	MD80	D	30L	93.6
03/05/2017 19:01	DAL1769	B757	A	12R	93.3
03/24/2017 19:24	DAL1624	MD80	D	30L	93.3
03/08/2017 18:02	DAL1493	MD80	D	30L	93.1
03/19/2017 15:14	Unknown	UKN	A	12R	93
03/28/2017 5:30	DAL806	B757	A	12R	93
03/28/2017 5:48	FDX1407	MD11	A	12R	92.9

(RMT Site#6)

25th Ave. & 57th St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/27/2017 6:49	DAL1582	MD80	D	30R	98.7
03/24/2017 6:47	DAL1582	MD80	D	30R	98.2
03/31/2017 9:03	DAL1931	MD80	D	30R	97.8
03/27/2017 9:07	DAL1931	MD80	D	30R	97.4
03/20/2017 9:06	DAL1931	MD80	D	30R	96.9
03/01/2017 9:01	DAL1931	MD80	D	30R	96.6
03/31/2017 7:03	DAL1582	MD80	D	30R	96.5
03/10/2017 6:55	DAL1582	MD80	D	30R	96.2
03/03/2017 6:31	DAL1582	MD80	D	30R	96.2
03/24/2017 9:02	DAL1931	MD80	D	30R	96.2

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#7)

Wentworth Ave. & 64th St., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/31/2017 9:04	DAL1815	MD80	D	30L	91.9
03/10/2017 11:31	DAL355	MD80	D	30L	90.2
03/31/2017 11:34	DAL355	MD80	D	30L	89.9
03/24/2017 9:05	DAL1815	MD80	D	30L	89.9
03/20/2017 8:59	DAL1815	MD80	D	30L	89.4
03/11/2017 9:36	DAL1815	MD80	D	30L	89.3
03/24/2017 9:35	AAL1405	MD80	D	30L	88.7
03/21/2017 16:17	AAL46	MD80	D	30L	88.6
03/01/2017 19:54	AAL2201	MD80	D	30L	88.3
03/11/2017 11:02	AAL2532	MD80	D	30L	88.3

(RMT Site#8)

Longfellow Ave. & 43rd St., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/27/2017 9:07	DAL1931	MD80	D	30R	91.2
03/31/2017 9:03	DAL1931	MD80	D	30R	90.1
03/24/2017 18:00	DAL1357	MD80	D	30R	90
03/26/2017 18:01	DAL1357	MD80	D	30R	90
03/31/2017 17:59	DAL1357	MD80	D	30R	89
03/21/2017 9:05	DAL1931	MD80	D	30R	89
03/24/2017 9:03	DAL1931	MD80	D	30R	88.5
03/21/2017 6:49	DAL1582	MD80	D	30R	88.5
03/10/2017 6:56	DAL1582	MD80	D	30R	88.4
03/13/2017 20:29	DAL748	MD80	D	30R	87.6

(RMT Site#9)

Saratoga St. & Hartford Ave., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/23/2017 7:03	BMJ38	BE80	D	12L	78.9
03/09/2017 11:01	DAL121	B777	D	04	78.7
03/30/2017 14:16	N561DJ	UKN	D	12L	77.4
03/07/2017 7:31	BMJ48	BE65	D	30R	77
03/30/2017 7:07	BMJ38	BE80	D	12L	76.1
03/07/2017 13:08	DAL769	MD80	A	30R	74
03/30/2017 7:05	BMJ62	BE65	D	12L	73.3
03/30/2017 7:03	BMJ66	BE65	D	12L	72.5
03/18/2017 7:41	BMJ48	BE65	D	30R	71.8
03/01/2017 21:39	GTI192	B762	D	30L	71

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#10)

Itasca Ave. & Bowdoin St., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/09/2017 11:00	DAL121	B777	D	04	83.7
03/18/2017 7:41	BMJ48	BE65	D	30R	80.7
03/30/2017 7:01	BMJ72	BE65	D	12L	80.6
03/07/2017 7:30	BMJ48	BE65	D	30R	78.4
03/12/2017 19:30	DAL1361	MD90	A	12R	75.5
03/28/2017 7:37	BMJ48	BE65	D	30R	75.3
03/04/2017 7:46	BMJ52	BE65	D	12L	71.3
03/17/2017 7:23	BMJ48	BE65	D	30R	70.7
03/28/2017 7:47	BMJ62	BE65	D	30R	67.1

(RMT Site#11)

Finn St. & Scheffer Ave., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
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(RMT Site#12)

Alton St. & Rockwood Ave., St. Paul

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 7:04	BMJ62	BE65	D	12L	79.3
03/22/2017 7:14	BMJ62	BE65	D	12L	78.6
03/23/2017 7:04	BMJ72	BE65	D	12L	77.9
03/30/2017 7:06	BMJ38	BE80	D	12L	77.1
03/03/2017 14:32	WBR2810	C208	D	12L	76.2
03/07/2017 13:08	DAL769	MD80	A	30R	74.5
03/30/2017 14:16	N561DJ	UKN	D	12L	73.8
03/23/2017 7:01	BMJ52	BE99	D	12L	73.5
03/23/2017 7:03	BMJ38	BE80	D	12L	73
03/30/2017 7:03	BMJ66	BE65	D	12L	71.3

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#13)

Southeast end of Mohican Court, Mendota Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/05/2017 18:05	DAL2397	MD80	D	12L	84.7
03/23/2017 18:15	DAL1357	MD80	D	12L	83.6
03/23/2017 20:11	DAL748	MD80	D	12L	83.5
03/16/2017 18:01	DAL1357	MD80	D	12L	83
03/05/2017 9:15	DAL1761	A320	D	12R	82.6
03/03/2017 18:04	DAL2397	MD80	D	12L	82.2
03/19/2017 12:03	DAL121	B777	D	12R	82.2
03/12/2017 22:53	DAL1201	MD80	D	12L	82
03/04/2017 9:16	Unknown	UKN	D	12L	82
03/04/2017 6:41	DAL1582	MD80	D	12L	82

(RMT Site#14)

1st St. & McKee St., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/17/2017 19:31	Unknown	UKN	A	30L	96.2
03/13/2017 11:38	AAL2532	MD80	D	12L	89
03/13/2017 7:03	DAL1582	MD80	D	12L	88.5
03/26/2017 11:09	AAL2532	MD80	D	12L	88.1
03/30/2017 6:53	DAL1582	MD80	D	12L	86.3
03/12/2017 6:55	DAL1582	MD80	D	12L	85.7
03/14/2017 6:47	DAL1582	MD80	D	12L	85.7
03/29/2017 6:49	DAL1582	MD80	D	12L	85.2
03/19/2017 6:47	DAL1582	MD80	D	12R	85
03/25/2017 15:36	AAL2423	MD80	D	12R	85

(RMT Site#15)

Cullon St. & Lexington Ave., Mendota Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/23/2017 6:50	DAL1582	MD80	D	12L	89.7
03/16/2017 18:01	DAL1357	MD80	D	12L	87.6
03/23/2017 20:11	DAL748	MD80	D	12L	87.4
03/05/2017 18:05	DAL2397	MD80	D	12L	86.2
03/29/2017 11:19	DAL1503	MD90	D	12L	85.6
03/23/2017 18:15	DAL1357	MD80	D	12L	85.6
03/03/2017 18:03	DAL2397	MD80	D	12L	85.3
03/05/2017 18:16	DAL1505	B757	D	12L	84.9
03/04/2017 6:41	DAL1582	MD80	D	12L	84.4
03/06/2017 18:23	DAL2397	MD80	D	12L	83.9

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#16)

Avalon Ave. & Vilas Ln., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/21/2017 11:30	DAL2116	B757	A	30L	94.5
03/17/2017 19:31	Unknown	UKN	A	30L	92.2
03/26/2017 11:43	DAL355	MD80	D	12R	90.9
03/30/2017 18:54	AAL46	MD80	D	12R	90.1
03/26/2017 9:05	DAL1815	MD80	D	12R	90
03/31/2017 19:33	AAL2201	MD80	D	12R	89
03/26/2017 9:40	AAL1405	MD80	D	12R	88.8
03/30/2017 21:15	DAL1201	MD80	D	12R	88.5
03/13/2017 11:41	AAL1405	MD80	D	12R	88.4
03/13/2017 12:23	DAL355	MD80	D	12R	88.4

(RMT Site#17)

84th St. & 4th Ave., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/23/2017 7:11	BMJ64	BE65	D	17	76.6
03/15/2017 8:17	DAL1122	MD90	D	30L	76.5
03/15/2017 9:16	DAL515	A330	D	30L	76.1
03/26/2017 19:01	DAL1509	B717	D	30L	74.7
03/15/2017 10:13	DAL957	A330	D	30L	73.4
03/01/2017 22:16	UPS559	MD11	D	30L	72.7
03/16/2017 7:36	BMJ64	BE65	D	17	72.3
03/27/2017 5:20	AAL1897	A320	D	30R	71.7
03/16/2017 7:30	BMJ74	BE99	D	17	71.3
03/08/2017 12:32	WBR2121	C208	D	30L	71.1

(RMT Site#18)

75th St. & 17th Ave., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/17/2017 8:34	BMJ74	BE65	D	22	90.2
03/15/2017 17:25	DAL140	A330	D	22	85.4
03/23/2017 15:47	DAL9857	MD80	D	17	84.3
03/16/2017 20:56	DAL1201	MD80	D	17	83.8
03/30/2017 7:17	UPS2557	MD11	D	17	83.6
03/22/2017 9:03	DAL1931	MD80	D	17	83.5
03/16/2017 7:35	BMJ64	BE65	D	17	83.3
03/06/2017 14:14	DAL1667	MD80	D	17	82.9
03/06/2017 7:11	DAL2368	MD80	D	17	82.7
03/16/2017 7:29	BMJ74	BE99	D	17	82.5

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#19)

16th Ave. & 84th St., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 9:09	DAL1931	MD80	D	17	83.1
03/04/2017 10:36	DAL1627	MD80	D	17	82.8
03/30/2017 7:21	BMJ64	BE65	D	17	82.6
03/25/2017 10:16	DAL1051	MD80	D	17	82.5
03/29/2017 11:37	DAL355	MD80	D	17	82.3
03/30/2017 9:35	AAL1405	MD80	D	17	82.2
03/16/2017 20:56	DAL1201	MD80	D	17	81.6
03/03/2017 16:11	AAL46	MD80	D	17	81.6
03/29/2017 20:43	AAL2201	MD80	D	17	81.6
03/06/2017 9:28	DAL746	MD80	D	17	81.5

(RMT Site#20)

75th St. & 3rd Ave., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/15/2017 9:16	DAL515	A330	D	30L	81.8
03/20/2017 7:12	DAL1910	B763	D	30L	79.8
03/15/2017 10:13	DAL957	A330	D	30L	78
03/09/2017 7:11	DAL1910	B763	D	30L	77.7
03/17/2017 19:42	AAL2201	MD80	D	30L	77.3
03/26/2017 19:01	DAL1509	B717	D	30L	77.2
03/08/2017 16:16	JTL618	LR45	D	30L	75.9
03/01/2017 13:33	DAL1948	B763	D	30L	75.4
03/07/2017 15:29	DAL1744	A319	D	30L	74.7
03/17/2017 8:34	BMJ74	BE65	D	22	74.5

(RMT Site#21)

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

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/19/2017 17:25	DAL140	A330	D	12R	81.3
03/23/2017 20:43	DAL10	B763	D	12R	80.5
03/27/2017 19:38	DAL162	A330	D	12R	78.2
03/19/2017 20:45	DAL10	B763	D	12R	77.5
03/05/2017 16:45	Unknown	UKN	D	12L	77.4
03/13/2017 9:20	DAL1931	MD80	D	12L	77.4
03/29/2017 19:43	DAL162	A330	D	12R	77.2
03/28/2017 19:39	DAL162	A330	D	12R	77.1
03/23/2017 12:03	DAL121	B777	D	12R	76.8
03/03/2017 16:43	DAL140	A330	D	12R	76.7

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#22)

Anne Marie Trail, Inver Grove Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/17/2017 19:30	Unknown	UKN	A	30L	92.4
03/07/2017 13:39	FFT326	A320	A	30R	80.7
03/07/2017 5:46	DAL1492	A330	A	30L	80.1
03/07/2017 6:23	DAL1344	B739	A	30L	79.9
03/08/2017 6:13	UPS560	MD11	A	30L	79.5
03/08/2017 5:09	FDX1718	MD11	A	30L	79.2
03/25/2017 22:14	DAL10	B763	D	12R	79.2
03/18/2017 13:39	DAL141	A330	A	30L	79
03/07/2017 13:56	DAL2466	A319	A	30L	78.7
03/02/2017 5:14	FDX1718	MD11	A	30L	78.4

(RMT Site#23)

End of Kenndon Ave., Mendota Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/13/2017 9:19	DAL1931	MD80	D	12L	92
03/03/2017 18:03	DAL2397	MD80	D	12L	92
03/23/2017 20:11	DAL748	MD80	D	12L	91.9
03/05/2017 18:05	DAL2397	MD80	D	12L	90.8
03/23/2017 18:15	DAL1357	MD80	D	12L	90.6
03/23/2017 6:50	DAL1582	MD80	D	12L	89.8
03/30/2017 18:14	DAL1357	MD80	D	12L	89.6
03/16/2017 18:01	DAL1357	MD80	D	12L	89.1
03/04/2017 6:40	DAL1582	MD80	D	12L	89.1
03/12/2017 19:32	DAL1357	MD80	D	12L	88.9

(RMT Site#24)

Chapel Ln. & Wren Ln., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/17/2017 19:31	Unknown	UKN	A	30L	93.6
03/26/2017 11:09	AAL2532	MD80	D	12L	84.4
03/13/2017 7:03	DAL1582	MD80	D	12L	83
03/08/2017 17:03	DAL502	A320	A	30L	82.7
03/07/2017 13:22	AAL1409	MD80	A	30L	82.6
03/29/2017 6:49	DAL1582	MD80	D	12L	82.5
03/01/2017 9:49	SWA152	B7377	A	30L	82.4
03/17/2017 11:33	AAL2455	MD80	A	30L	82.2
03/26/2017 11:43	DAL355	MD80	D	12R	82.2
03/19/2017 22:15	DAL1686	A320	D	12R	81.7

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#25)

Moonshine Park 1321 Jurdy Rd., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 21:03	AAL2201	MD80	D	12R	81.9
03/13/2017 12:23	DAL355	MD80	D	12R	80.4
03/26/2017 9:40	AAL1405	MD80	D	12R	79.8
03/30/2017 11:02	AAL2532	MD80	D	12R	79.8
03/30/2017 21:15	DAL1201	MD80	D	12R	79.2
03/30/2017 18:54	AAL46	MD80	D	12R	79
03/12/2017 22:50	DAL748	MD80	D	12R	78.9
03/02/2017 16:29	DAL10	B757	A	30L	78.8
03/19/2017 15:33	DAL120	A319	D	17	78.7
03/01/2017 13:59	DAL1924	B717	A	30L	78.7

(RMT Site#26)

6796 Arkansas Ave. W., Inver Grove Heights

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/17/2017 11:54	DAL1864	A320	A	30L	85.5
03/30/2017 18:15	DAL1357	MD80	D	12L	84.6
03/28/2017 19:39	DAL162	A330	D	12R	80.8
03/19/2017 17:25	DAL140	A330	D	12R	80.4
03/13/2017 9:20	DAL1931	MD80	D	12L	80
03/29/2017 16:44	DAL140	B777	D	12R	79.7
03/30/2017 16:32	DAL140	B777	D	12R	79.5
03/12/2017 19:33	DAL1357	MD80	D	12L	79.3
03/04/2017 11:01	DAL121	B777	D	12R	79
03/16/2017 22:15	DAL162	A330	D	12R	78.9

(RMT Site#27)

Anthony School 5757 Irving Ave. S., Minneapolis

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/31/2017 15:39	DAL550	MD80	D	30L	88.7
03/27/2017 7:10	DAL525	MD80	D	30L	88.3
03/24/2017 19:24	DAL1624	MD80	D	30L	87.8
03/27/2017 11:39	DAL355	MD80	D	30L	87.5
03/20/2017 10:57	AAL2532	MD80	D	30L	86.8
03/10/2017 14:38	AAL1409	MD80	D	30L	86.7
03/07/2017 10:57	AAL2532	MD80	D	30L	86.2
03/08/2017 18:02	DAL1493	MD80	D	30L	85.9
03/27/2017 11:24	AAL2532	MD80	D	30R	85.7
03/21/2017 11:05	AAL2532	MD80	D	30L	85.6

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#28)

6645 16th Ave. S., Richfield

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 9:35	AAL1405	MD80	D	17	89.5
03/17/2017 19:42	AAL2201	MD80	D	30L	89.3
03/25/2017 11:04	AAL2532	MD80	D	17	88.7
03/08/2017 13:49	AAL2455	MD80	D	30L	88
03/30/2017 9:13	DAL1815	MD80	D	17	87
03/17/2017 16:14	AAL46	MD80	D	30L	87
03/02/2017 12:41	AAL2455	MD80	D	30L	86.2
03/06/2017 7:23	SWA1117	B7377	D	17	85.2
03/23/2017 18:17	DAL550	MD80	D	17	85
03/08/2017 22:13	DAL956	MD80	D	30L	84.8

(RMT Site#29)

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

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/18/2017 10:00	DAL1710	MD80	D	30R	89.2
03/07/2017 7:25	DAL2368	MD80	D	30R	88.4
03/09/2017 9:19	DAL1931	MD80	D	30R	87.6
03/10/2017 9:30	DAL1931	MD80	D	30R	87.3
03/11/2017 10:33	DAL1710	MD80	D	30R	86.7
03/08/2017 20:12	DAL2918	MD80	D	30R	86.4
03/01/2017 9:50	DAL746	MD80	D	30R	86.4
03/01/2017 14:10	DAL1667	MD80	D	30R	85.9
03/18/2017 10:32	DAL1051	MD80	D	30R	84.9
03/31/2017 16:20	Unknown	UKN	D	30R	84.6

(RMT Site#30)

8715 River Ridge Rd., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 13:37	AAL2455	MD80	D	17	91.4
03/25/2017 9:36	AAL1405	MD80	D	17	90.7
03/25/2017 11:05	AAL2532	MD80	D	17	90.6
03/26/2017 15:42	DAL550	MD80	D	17	90.6
03/25/2017 10:13	DAL1627	MD80	D	17	90.4
03/29/2017 20:43	AAL2201	MD80	D	17	90.3
03/26/2017 19:47	AAL2201	MD80	D	17	90.3
03/30/2017 15:01	AAL1409	MD80	D	17	90.3
03/25/2017 20:36	DAL798	MD80	D	17	90
03/18/2017 20:34	DAL798	MD80	D	17	89.8

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#31)

9501 12th Ave. S., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/05/2017 13:55	AAL1210	MD80	D	17	81.9
03/19/2017 10:55	DAL791	A320	D	17	81.1
03/25/2017 20:36	DAL798	MD80	D	17	80.9
03/04/2017 18:38	DAL1468	B738	D	17	79.9
03/14/2017 11:08	AAL2532	MD80	D	17	79.8
03/29/2017 11:05	AAL2532	MD80	D	17	79.6
03/30/2017 15:42	DAL550	MD80	D	17	79.1
03/16/2017 9:28	CPZ5834	E170	D	17	78.4
03/04/2017 16:27	SCX617	B7377	D	17	77.8
03/19/2017 11:50	SWA2962	B733	D	17	77.6

(RMT Site#32)

10325 Pleasant Ave. S., Bloomington

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 15:43	DAL550	MD80	D	17	77.5
03/30/2017 7:22	BMJ64	BE65	D	17	77.3
03/26/2017 20:46	DAL715	A320	D	17	76.6
03/29/2017 16:04	SKW5186	E170	D	17	76.3
03/05/2017 13:55	AAL1210	MD80	D	17	76.3
03/29/2017 11:05	AAL2532	MD80	D	17	76.1
03/26/2017 20:37	DAL2321	B739	D	17	76.1
03/19/2017 10:55	DAL791	A320	D	17	75.9
03/04/2017 11:02	AAL2532	MD80	D	17	75.7
03/04/2017 18:38	DAL1468	B738	D	17	75.4

(RMT Site#33)

North River Hills Park, Burnsville

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/05/2017 15:39	AAL2423	MD80	D	17	82.1
03/05/2017 10:59	AAL2532	MD80	D	17	82.1
03/12/2017 13:54	AAL1210	MD80	D	17	80
03/26/2017 19:48	AAL2201	MD80	D	17	79.6
03/29/2017 15:43	DAL550	MD80	D	17	79.3
03/25/2017 11:06	AAL2532	MD80	D	17	78.8
03/15/2017 9:44	AAL1405	MD80	D	17	78.7
03/19/2017 14:00	AAL1210	MD80	D	17	78.4
03/19/2017 11:04	AAL2532	MD80	D	17	78
03/19/2017 15:44	DAL550	MD80	D	17	77.5

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#34)
Red Oak Park, Burnsville

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/22/2017 14:23	DAL2051	MD90	D	17	84.3
03/26/2017 15:28	AAL1409	MD80	D	17	79.5
03/26/2017 19:48	AAL2201	MD80	D	17	79.2
03/29/2017 20:44	AAL2201	MD80	D	17	79.1
03/05/2017 10:59	AAL2532	MD80	D	17	77.5
03/19/2017 11:04	AAL2532	MD80	D	17	76.6
03/22/2017 11:01	AAL2532	MD80	D	17	76.2
03/15/2017 9:44	AAL1405	MD80	D	17	75.1
03/12/2017 13:54	AAL1210	MD80	D	17	75.1
03/15/2017 12:46	AAL2455	MD80	D	17	74.6

(RMT Site#35)
2100 Garnet Ln., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/30/2017 13:38	AAL2455	MD80	D	17	85.3
03/25/2017 10:14	DAL1627	MD80	D	17	84.9
03/30/2017 15:02	AAL1409	MD80	D	17	84.8
03/25/2017 9:37	AAL1405	MD80	D	17	84.7
03/29/2017 20:44	AAL2201	MD80	D	17	81.8
03/23/2017 9:11	DAL1815	MD80	D	17	81.8
03/01/2017 13:32	DAL1715	MD90	A	35	81.6
03/27/2017 16:44	AAL46	MD80	D	17	81.6
03/28/2017 20:37	CPZ5850	E170	D	17	81.5
03/22/2017 9:33	AAL1405	MD80	D	17	81.4

(RMT Site#36)
Briar Oaks & Scout Pond, Apple Valley

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/01/2017 19:06	DAL1347	B757	A	35	88.7
03/17/2017 18:26	FDX715	MD11	A	35	80.2
03/27/2017 10:16	DAL525	MD80	A	35	78.4
03/17/2017 16:34	DAL320	MD80	A	35	78.1
03/31/2017 18:00	FDX715	MD11	A	35	78
03/17/2017 17:17	DAL1590	A320	A	35	77.8
03/17/2017 16:55	DAL1714	B763	A	35	77.8
03/01/2017 18:31	DAL1744	A319	A	35	77.7
03/31/2017 18:04	DAL2915	A319	A	35	77.4
03/14/2017 14:44	DAL1910	B763	A	35	77.2

Top Ten Loudest Aircraft Noise Events for MSP

March 2017

(RMT Site#37)

4399 Woodgate Ln. N., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/28/2017 16:22	AAL46	MD80	D	17	84.7
03/23/2017 12:45	AAL2455	MD80	D	17	84.7
03/16/2017 11:41	DAL355	MD80	D	17	83.7
03/27/2017 15:13	AAL1409	MD80	D	17	83.4
03/28/2017 14:57	AAL1409	MD80	D	17	83
03/27/2017 16:44	AAL46	MD80	D	17	82.5
03/14/2017 9:15	DAL1815	MD80	D	17	82.3
03/19/2017 19:41	AAL2201	MD80	D	17	82
03/16/2017 12:44	AAL2455	MD80	D	17	81.8
03/27/2017 12:42	AAL2455	MD80	D	17	81.6

(RMT Site#38)

3957 Turquoise Cir., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/27/2017 15:13	AAL1409	MD80	D	17	87.2
03/23/2017 12:45	AAL2455	MD80	D	17	86.6
03/16/2017 14:38	AAL1409	MD80	D	17	86.4
03/19/2017 20:09	DAL748	MD80	D	17	86.4
03/03/2017 16:12	AAL46	MD80	D	17	85.4
03/27/2017 12:42	AAL2455	MD80	D	17	85.1
03/03/2017 9:32	AAL1405	MD80	D	17	84.3
03/16/2017 16:18	AAL46	MD80	D	17	84
03/22/2017 14:56	AAL1409	MD80	D	17	84
03/25/2017 9:58	DAL1815	MD80	D	17	83.9

(RMT Site#39)

3477 St. Charles Pl., Eagan

Date/Time	Flight Number	Aircraft Type	Arrival/ Departure	Runway	Lmax(dB)
03/19/2017 18:00	DAL1357	MD80	D	17	88.1
03/27/2017 18:07	DAL1357	MD80	D	17	87.7
03/05/2017 15:28	DAL2027	MD80	D	17	87.5
03/06/2017 14:15	DAL1667	MD80	D	17	86.6
03/03/2017 8:58	DAL1931	MD80	D	17	86.2
03/16/2017 20:57	DAL1201	MD80	D	17	85.6
03/16/2017 20:30	DAL748	MD80	D	17	85.5
03/03/2017 9:27	DAL746	MD80	D	17	85.4
03/23/2017 16:41	AAL46	MD80	D	17	85.3
03/05/2017 14:16	DAL1667	MD80	D	17	85.2

March 2017 Remote Monitoring Tower Top Ten Summary

The top ten noise events and the event ranges at each RMT for March 2017 were comprised of 81.8% departure operations. The predominant top ten aircraft type was the MD80 with 62.3% of the highest Lmax events.

March 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

March 2017

Remote Monitoring Towers

Date	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15
03/01/17	52.9	52.2	59.6	58.4	66.7	68	63.4	57.8	29.2	NA	NA	NA	30.7	61.4	39.9
03/02/17	46.1	48.2	52.3	54.8	65.9	66.5	63.9	56.7	NA	NA	NA	NA	30.3	57.8	37.7
03/03/17	57.9	59.8	64.7	60.2	68.8	68.3	59.4	55.5	NA	NA	NA	35	55.8	59.1	58.9
03/04/17	60.9	59.7	67.5	59	70.3	64.2	35.7	31	NA	30.7	NA	27.1	56.4	60.4	58.6
03/05/17	61.3	60.6	68.1	60.4	70.4	65.5	NA	NA	NA	NA	NA	NA	58.5	62.1	61.1
03/06/17	58.8	60.5	66.2	61.6	69.8	69.1	57.2	60.5	NA	NA	NA	NA	53.4	62.7	58
03/07/17	45.6	51.4	56.5	57.9	66	68.2	60.9	59.4	38.3	38.5	NA	32.9	45.7	63.5	47.7
03/08/17	49.3	53	56.4	56.5	65.8	67.4	62.6	56.9	28.7	NA	NA	NA	47.8	61.2	39.1
03/09/17	48.7	52.7	56.4	57	66	67.8	63	57.2	37.8	43.2	NA	NA	36.3	57	NA
03/10/17	44.1	49.6	53.7	55	65.5	67.9	62.8	59.2	NA	NA	NA	NA	NA	55.4	31.8
03/11/17	42.4	49.3	54	55.1	65.5	65.5	62	55.5	NA	NA	NA	NA	NA	53.3	NA
03/12/17	57.2	61.3	64.2	61	68.5	67.6	56.3	NA	NA	37	NA	NA	57.6	61.2	58.1
03/13/17	54.6	57.4	63.3	57.8	68.1	66.3	57.8	53.3	NA	NA	NA	NA	51.6	60.1	50.4
03/14/17	50.6	54.4	60.6	56.2	66.9	65.6	57.9	53	NA	NA	NA	NA	44.1	59.4	46.3
03/15/17	54.2	56.9	62.1	57.6	67.8	67.4	58.7	57.9	NA	NA	NA	29.7	54.1	56.4	54.7
03/16/17	60.7	60.7	67.3	60.8	70.9	66.5	39.9	35.7	NA	NA	NA	NA	58.2	62	61
03/17/17	54.9	54.4	62.9	59.6	69.6	69.7	64.9	60.6	33.7	32.8	NA	NA	49.8	62.9	49.9
03/18/17	56	53.9	63.3	56.1	69.2	66.8	63.6	54.3	32.2	39.3	NA	NA	54.9	61.1	57.1
03/19/17	60.2	62.8	66	62.7	69.2	68.1	39.9	31.4	NA	NA	NA	28.7	58	62	59.2
03/20/17	50.8	54.7	58.1	58.2	67.7	68.1	64.2	57.2	NA	NA	NA	NA	34.2	59.8	40.2
03/21/17	46.5	50.1	55.2	56.8	65.9	68.7	62.2	59.5	NA	NA	NA	NA	33.4	58	33.7
03/22/17	56.8	60.5	65.3	60.2	68.8	66.6	46.8	NA	31.7	NA	NA	39.2	55.2	58.9	57.9
03/23/17	61.5	62.2	68	61.7	71.3	67.4	41.6	26.8	36.3	NA	NA	38	61.1	60.8	63.2
03/24/17	60.3	60.4	67.2	61.1	71.8	70.8	64.8	59.3	NA	NA	NA	NA	50.5	62	52.3
03/25/17	61	60.8	68	60.3	70.6	65.7	NA	NA	NA	NA	NA	NA	54.8	61.5	57.5
03/26/17	56.5	57.1	64.1	60.3	67.9	68.5	56.6	57.4	NA	NA	NA	NA	50.9	62.9	51.7
03/27/17	57.4	58.5	64.4	60.5	69.6	69.8	62.8	56.8	NA	NA	NA	NA	56.1	60	55.6
03/28/17	59.4	60.6	68.5	61.9	71.2	68.4	58.6	48.9	32	38.3	NA	NA	57	60.9	57.5
03/29/17	60.1	63.7	65	63.5	68.4	69.3	50.6	43.1	NA	NA	NA	NA	56.8	61.8	59.5
03/30/17	61.5	64.8	66.9	64.4	69.8	69.7	NA	NA	40.4	39.3	NA	42.5	58.4	63.9	58.5
03/31/17	56.3	57	63.8	59.2	70.3	68.4	65.2	58.1	NA	NA	NA	NA	51.5	61.7	50.3
Mo.DNL	57.6	59.1	64.5	59.9	68.9	67.9	61.1	56.7	35.7	38.8	N/A	37	54.9	60.9	56.7

Analysis of Aircraft Noise Events DNL

March 2017

Remote Monitoring Towers

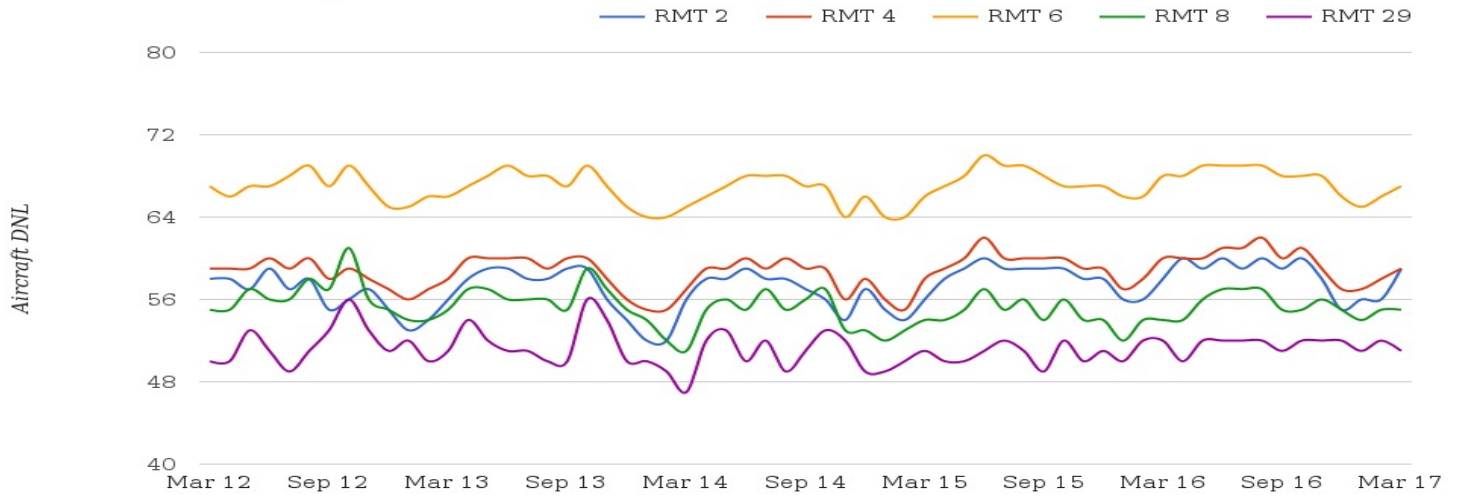
Date	#16	#17	#18	#19	#20	#21	#22	#23	#24	#25	#26	#27	#28	#29
03/01/17	66.1	42.5	37	NA	43.7	NA	59.3	47.4	60.8	37.8	39	57.3	59.3	55.7
03/02/17	64.9	NA	41.7	NA	34.3	NA	57.2	42.5	59.3	34.7	33.8	56	55.6	54.5
03/03/17	63.3	NA	54.8	50	NA	45.3	53.8	62.2	58.2	52.7	50.5	55	53.3	43.9
03/04/17	61.5	NA	57	53.1	NA	50.4	49.4	62.7	56.8	53.8	53.7	50.4	56.1	NA
03/05/17	61.5	NA	56.5	51.5	NA	45.5	52.2	64.5	59.4	54	55.4	33	54.3	NA
03/06/17	65.7	27.7	57.2	51	26.8	38.1	57.1	62.5	60.7	52.1	45.6	55.6	58.5	58
03/07/17	68.2	NA	49.9	NA	38.8	31	62.5	55.8	64.3	42.1	56.3	58.5	57.4	57.4
03/08/17	66.5	29.5	46	NA	43.7	32.3	60.5	53.7	62.4	45.6	55.3	60.1	58.7	54.8
03/09/17	63.8	NA	40.7	NA	35.2	28.9	56.2	35.6	58.1	NA	NA	57.1	55.8	55.3
03/10/17	65	NA	38.1	NA	28.5	38.8	53.2	27.5	57.2	30.8	44.6	54.3	52.7	54
03/11/17	63.8	NA	34.1	NA	29.5	NA	51.4	NA	55.9	NA	27.3	54.9	53.7	49.3
03/12/17	64	NA	52.8	46	NA	47	50.4	63.9	57.3	54.2	51.2	51.8	54.8	NA
03/13/17	64.7	NA	37.6	NA	NA	41.8	49.4	58	56.8	53	43.5	53.6	49	45.9
03/14/17	62.9	NA	50	44.2	NA	37	51.5	54.8	56.5	47.1	42.8	51.8	53.3	49.2
03/15/17	60.9	40.2	51.9	47.1	42.4	39.9	51.8	60.1	56	42.3	45.7	51.4	48.3	48.6
03/16/17	62.1	35.3	57.1	52.3	30.3	51.5	51.7	64.5	58.5	55.8	58.1	40.1	55.2	NA
03/17/17	66.4	NA	48	NA	42.4	31.4	61.3	56.4	63.6	45.5	52.7	59	59.1	57.8
03/18/17	65.8	NA	45.5	42.3	40.3	42.8	59	60.9	61	45.7	44.1	57.3	56.8	52.7
03/19/17	60.5	NA	57.4	53.6	NA	50.4	49.1	64.7	58.4	52.9	55.6	34.3	56.3	NA
03/20/17	65.3	NA	46.8	35.8	37.2	42.9	57.7	50.3	60.1	39.2	46.9	59.4	57.8	50
03/21/17	65.3	NA	38.4	NA	NA	32.4	56.1	39.6	58.6	29.3	37.7	56.1	55.8	55.3
03/22/17	59.6	28.3	55	49.5	NA	37.8	42.8	62.8	54.2	48.8	49.7	49.2	52.8	NA
03/23/17	61.8	38	57.9	54.1	NA	49.8	51.7	66.6	57.7	54.2	56.4	32.7	56.3	NA
03/24/17	64.5	NA	41.5	NA	NA	45.8	55.9	61.6	59.6	46.2	52	58	56.7	52.4
03/25/17	65	NA	55.4	53.3	NA	44.3	52.5	63.3	58.1	56.6	51.7	NA	56.3	NA
03/26/17	67.1	34.7	52	49.6	38.3	40.5	58.9	58.4	61.6	48.6	49.8	48.5	52.6	51
03/27/17	65.1	42.6	52.5	49.4	43.6	46.1	57.5	62	58.8	52.7	50.5	60.3	56.3	49
03/28/17	62.2	NA	53	50.1	NA	47.9	52	63.9	57.9	53.2	53.5	55.8	53.8	43.6
03/29/17	63.6	NA	57.8	55.3	NA	44.8	54.9	64.5	59.9	56.2	53.8	56.4	57.3	NA
03/30/17	65.3	28.3	56.4	53.5	NA	49.2	51.9	65.3	59.3	57.9	56.2	36.6	57.5	NA
03/31/17	65.4	NA	48.8	43.5	38.2	44.3	58.3	58.8	60.3	52	51	60.8	56.9	51.6
Mo.DNL	64.6	38	53.3	51	39.7	45.5	56.3	61.5	59.5	52	52.3	55.9	56.1	53.6

Analysis of Aircraft Noise Events DNL March 2017

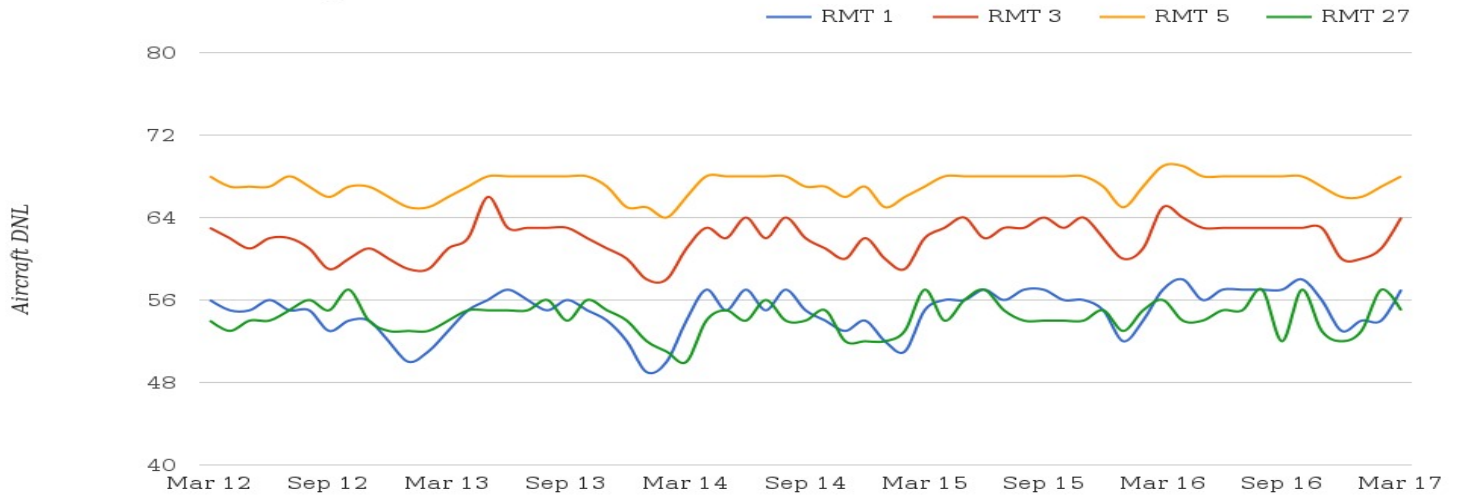
Remote Monitoring Towers

Date	#30	#31	#32	#33	#34	#35	#36	#37	#38	#39
03/01/17	47.3	NA	NA	NA	NA	47.8	52.5	NA	NA	NA
03/02/17	39.1	NA	NA	28.6	31.6	43.8	50.3	30.2	NA	NA
03/03/17	60.7	48	41.1	44.4	NA	45.7	39.9	49	53.3	53.5
03/04/17	61.3	48.4	42.4	42	33	47.8	NA	50.3	53.7	52.4
03/05/17	61.9	48.6	41.1	50.3	42.5	47.7	35.5	48.1	52.7	56.3
03/06/17	59.2	45.7	35.7	39.5	NA	40.2	NA	41.4	48.3	53.4
03/07/17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
03/08/17	NA	NA	26.6	NA	NA	37.3	41.6	35.1	NA	29.9
03/09/17	39.3	NA	NA	NA	41.7	43.6	50.3	42.2	NA	NA
03/10/17	39.7	NA	NA	NA	NA	39.5	49.3	NA	NA	NA
03/11/17	32.9	NA	NA	NA	NA	37.6	49.1	NA	NA	NA
03/12/17	59.6	42	30.3	41.4	33.6	46	36.4	45.9	52.3	NA
03/13/17	31.9	NA	NA	NA	NA	36.4	46.2	38.2	NA	37.6
03/14/17	57.3	41.4	33.8	37.2	27.7	46	44.5	45.8	47.7	45.6
03/15/17	60	44.7	34.5	45.7	42.6	45.9	39.6	43.3	48.3	51
03/16/17	61.8	50.4	41.9	45.7	35.5	49.7	34.8	51	54	54.7
03/17/17	48.1	NA	37.2	NA	NA	51.7	53.6	NA	NA	NA
03/18/17	53.2	39.7	39.7	33.4	28.6	44.9	48.4	33.2	41.4	47.7
03/19/17	63	49.9	41.4	47.5	41.1	48.3	NA	50.6	53.6	54.9
03/20/17	43.1	32.8	NA	NA	NA	48.4	52.7	30.9	40.9	32.5
03/21/17	39.6	NA	NA	NA	NA	43.2	50.2	NA	NA	NA
03/22/17	60.6	45.4	34.1	46	46.5	45.9	37.7	47.6	52	52.1
03/23/17	62.4	50.8	38.7	45.4	37.4	47.6	30.1	49.4	54.1	54.7
03/24/17	41	NA	NA	NA	NA	43.4	48.6	NA	NA	NA
03/25/17	63.2	47.5	37.5	47.2	33	49.3	39.4	48.5	50.6	51.3
03/26/17	62.4	46.1	45.2	48.9	48.6	44.9	38.9	38.7	41.7	37.5
03/27/17	60.7	44.5	32.4	47.4	35	50.2	49	50.8	53.6	54.2
03/28/17	61.5	45.8	43.3	47.5	37.2	48.9	40.5	50.9	54	53.5
03/29/17	63.5	51	44.5	47.8	42.5	49.8	39.6	50.2	55	56.5
03/30/17	63.1	48.2	40	46.3	39.4	50.1	39	51.1	53.9	51.6
03/31/17	55.1	35.9	NA	38.8	26.3	46.7	51.5	43.8	45.6	46.5
Mo.DNL	59.4	47.2	40.2	45.7	40.9	47	47.7	47.5	51.9	52.3

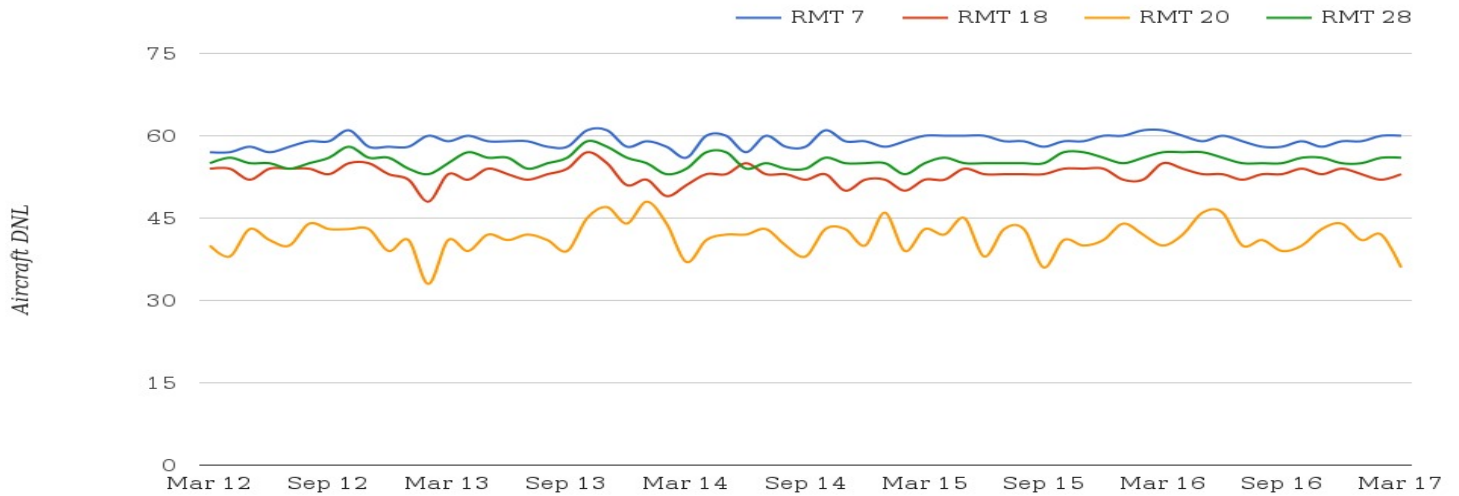
Minneapolis 12L/30R



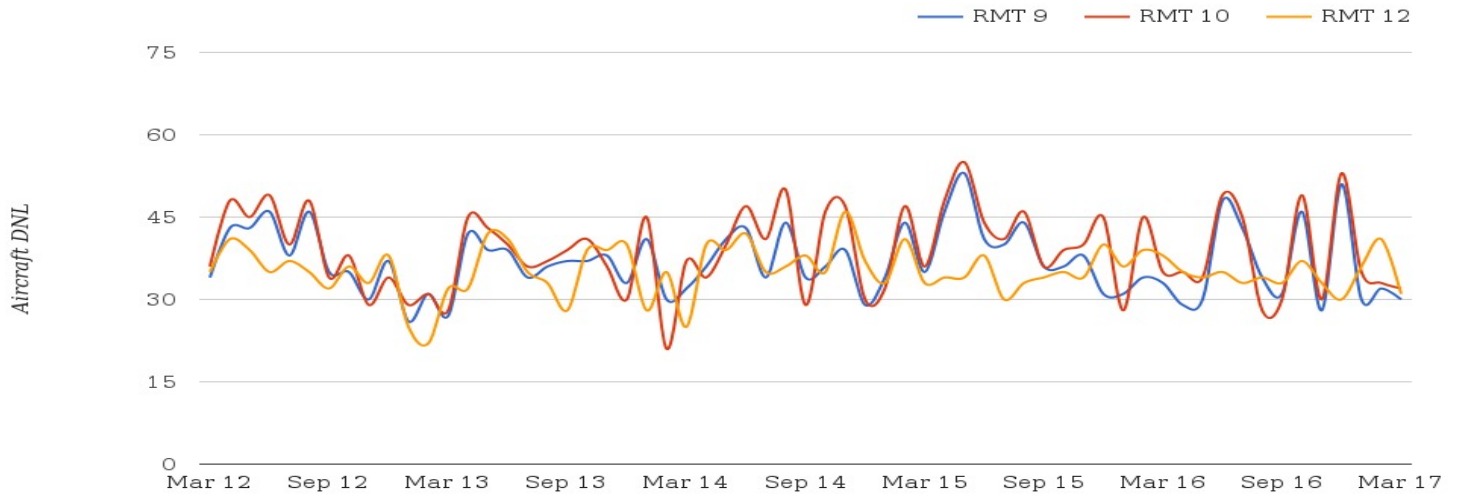
Minneapolis 12R/30L



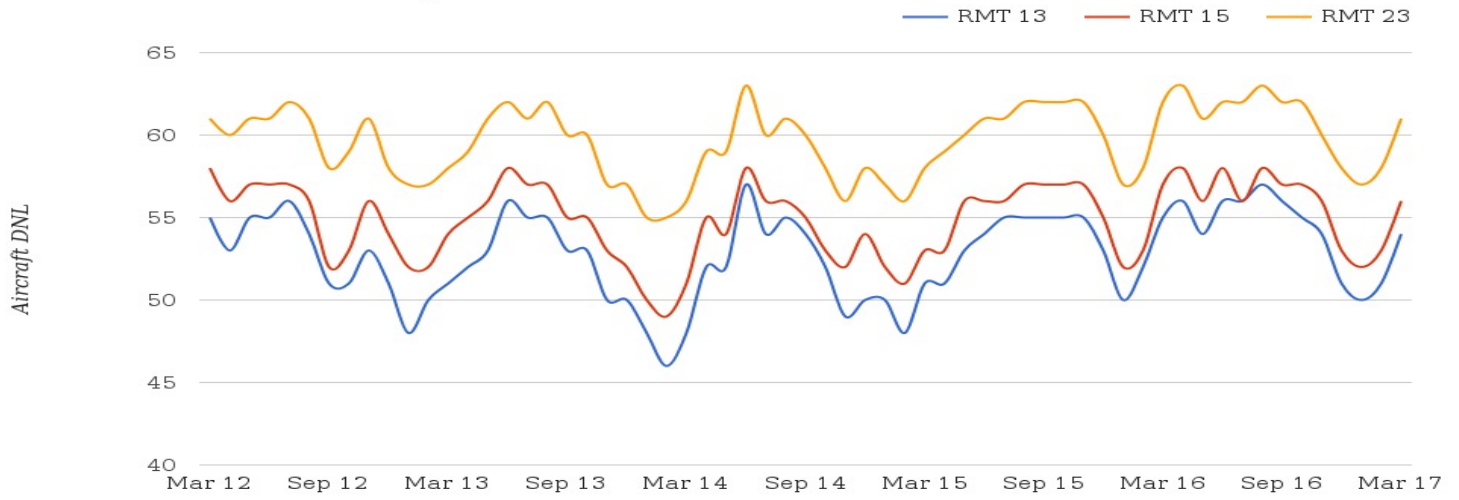
Richfield



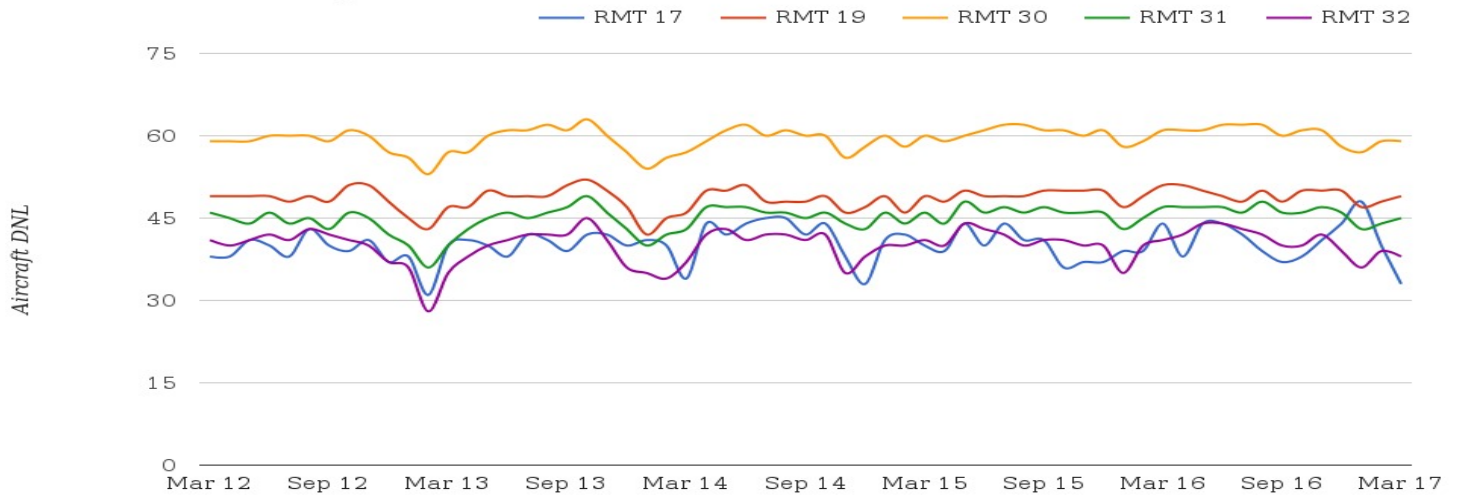
St. Paul



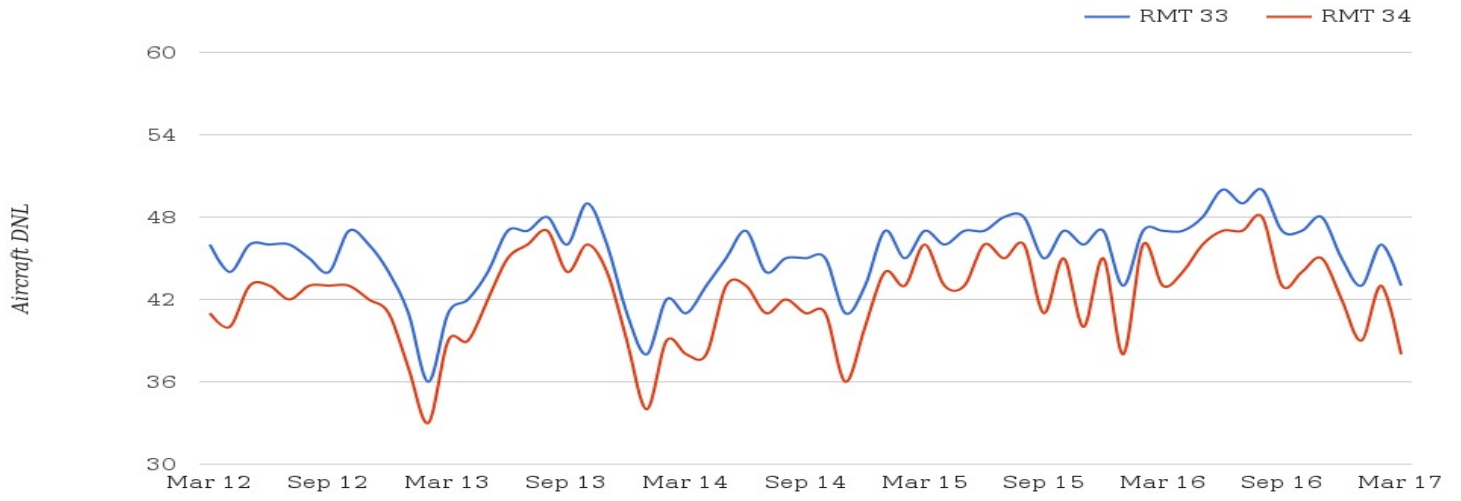
Mendota Heights



Bloomington



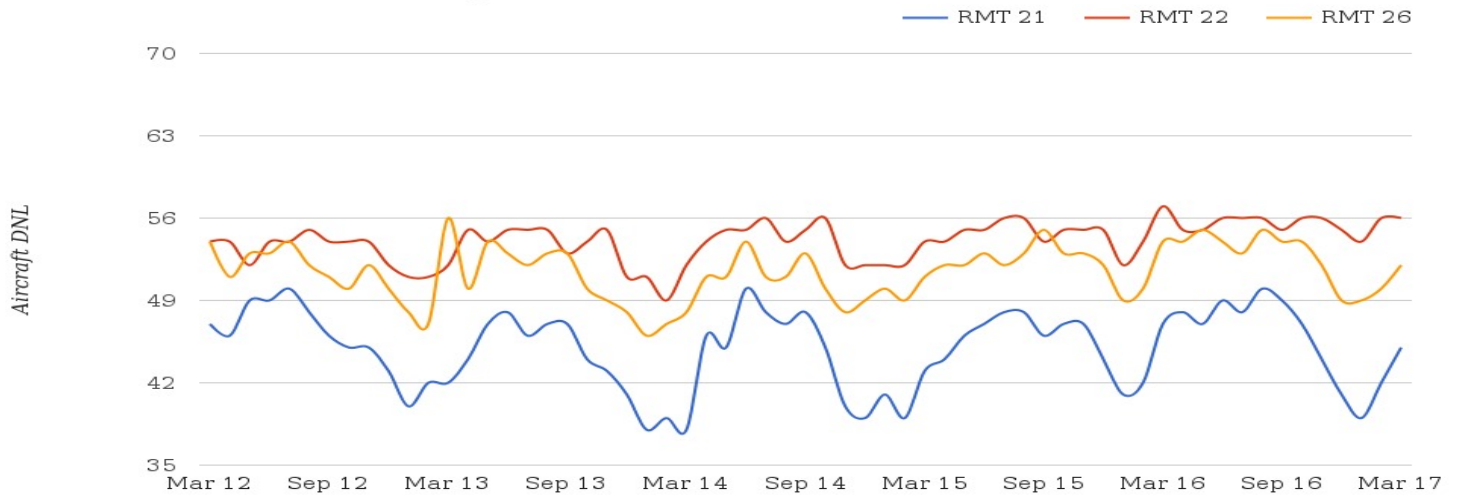
Burnsville



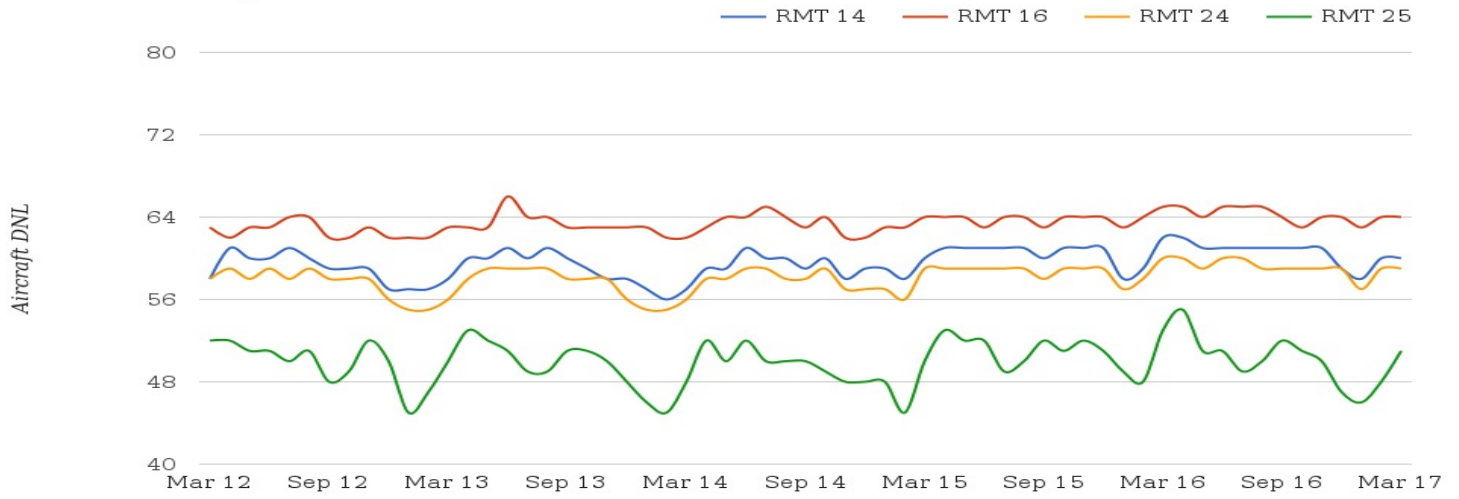
Apple Valley



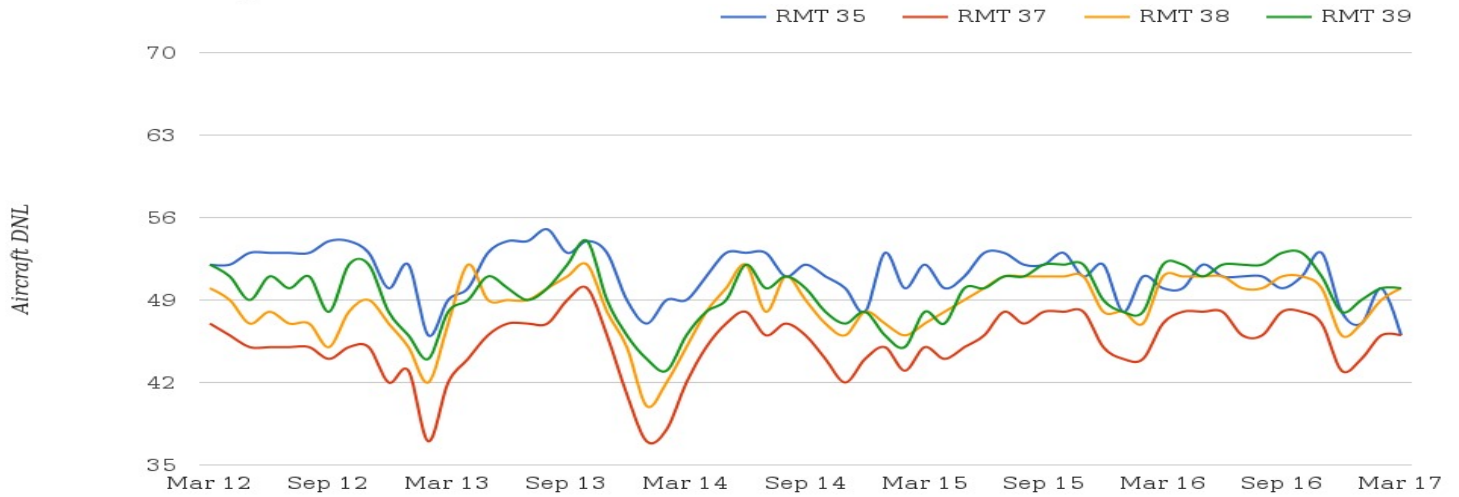
Inver Grove Heights



Eagan 12/30



Eagan 17/35



March 2017 DNL Values per RMT

