FLY QUIET RUNWAY ROTATION TEST HIGHLIGHTS
WEEKS 1 - 12

		MIN	AVG	MAX
1.	Fly Quiet Start:	10:00 PM	10:53 PM	2:12 AM
2.	Fly Quiet Stop:	5:25 AM	5:42 AM	6:07 AM
3.	Rotation Start:	--	11:13 PM	--
4.	Rotation Stop:	--	5:34 AM	--

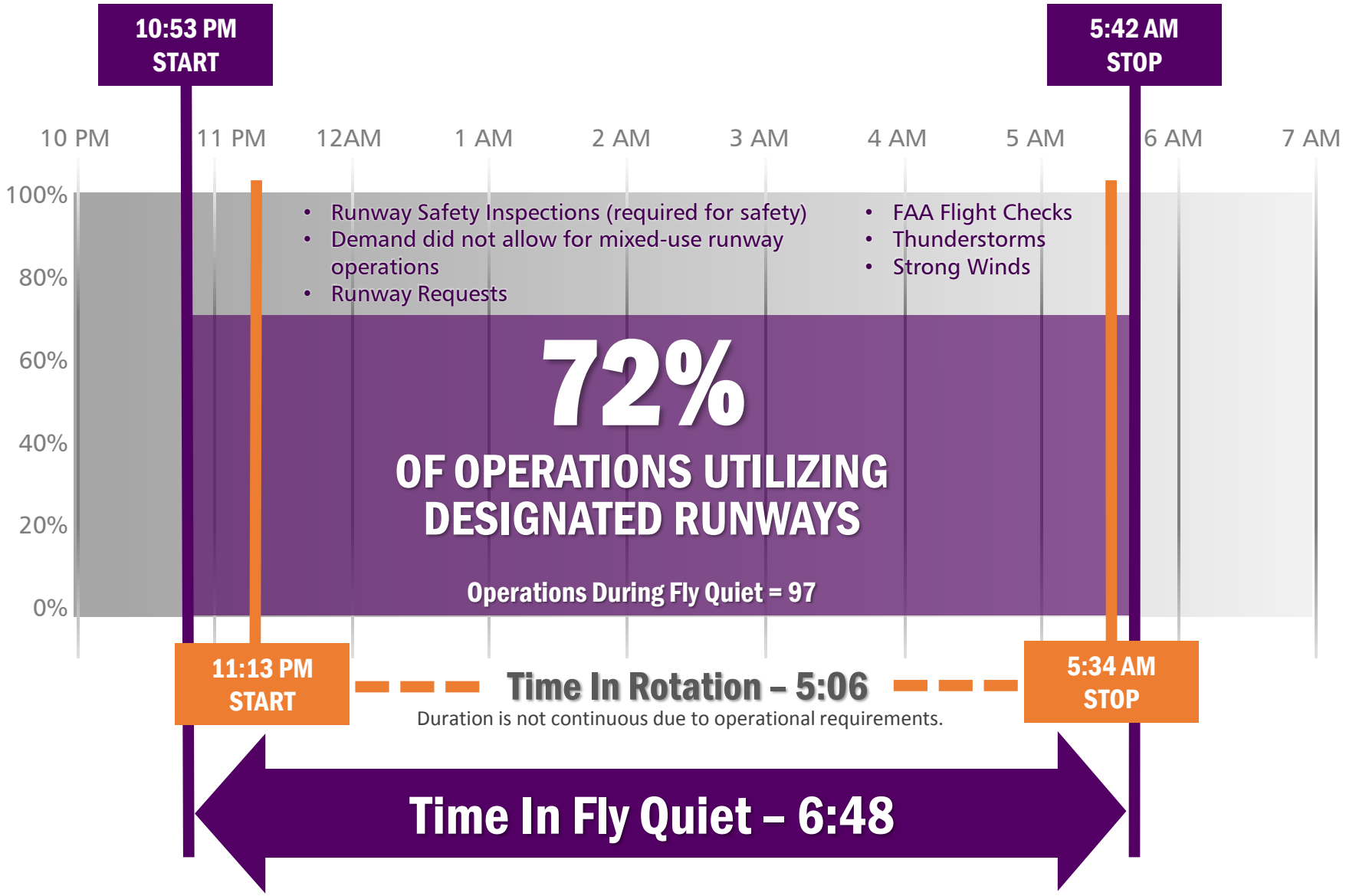
5. Nights in Rotation: 78/81 nights
6. Longest Duration of Rotation: 7:27
7. Operations on Primary Runways: 59%
8. Operations on Secondary Runways: 13%
9. Wide-body operations on runways less than 10,000 feet: 41%

Note: Time in Fly Quiet is Fly Quiet Mode (FQM)

FLY QUIET SUMMARY

JULY 6 – SEPTEMBER 24, 2016 (12 Weeks)

CHICAGO DEPARTMENT OF AVIATION



Note: Values above represent the average for time period.

www.flychicago.com/flyquiettest

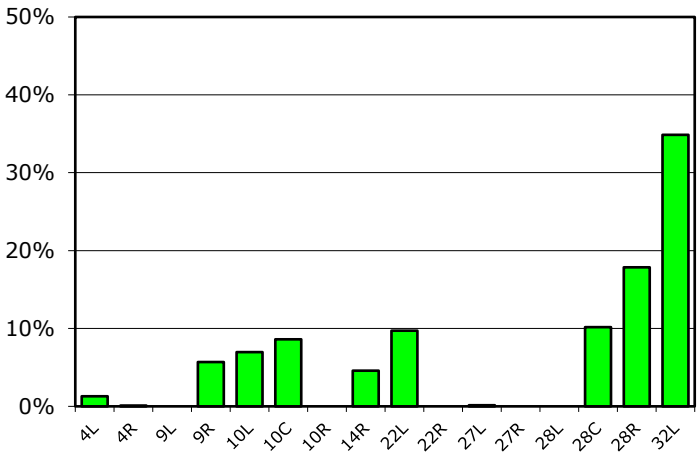
Runway Use Report
Chicago O'Hare International Airport
Period: Night of July 6 through night of September 24, 2016
Fly Quiet Mode

Runway Use

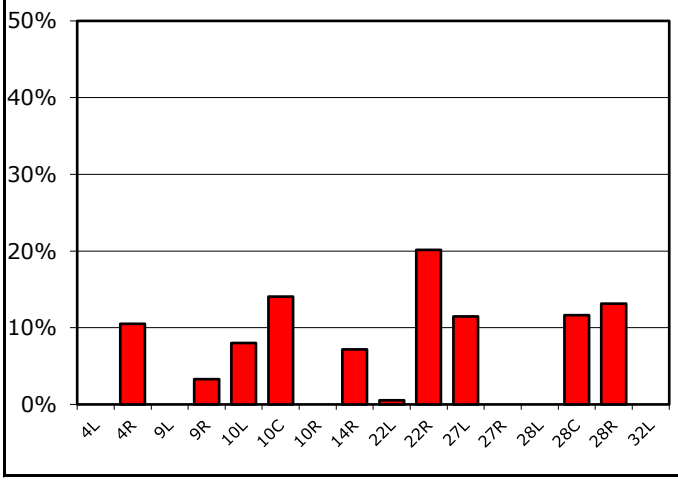
Source: Airport Noise Management System (ANMS)

	Runway Utilization															
	4L	***4R***	***9L***	***9R***	***10L***	***10C***	***10R***	***14R***	***22L***	***22R***	***27L***	***27R***	***28L***	***28C***	***28R***	***32L***
Average Daily Operations																
Departures	1	0	0	2	3	4	0	2	4	0	0	0	0	4	7	14
Arrivals	0	6	0	2	4	8	0	4	0	11	6	0	0	6	7	n/a
Percentage Utilization																
Departures	1%	0%	0%	6%	7%	9%	0%	5%	10%	0%	0%	0%	0%	10%	18%	35%
Arrivals	0%	11%	0%	3%	8%	14%	0%	7%	1%	20%	11%	0%	0%	12%	13%	n/a

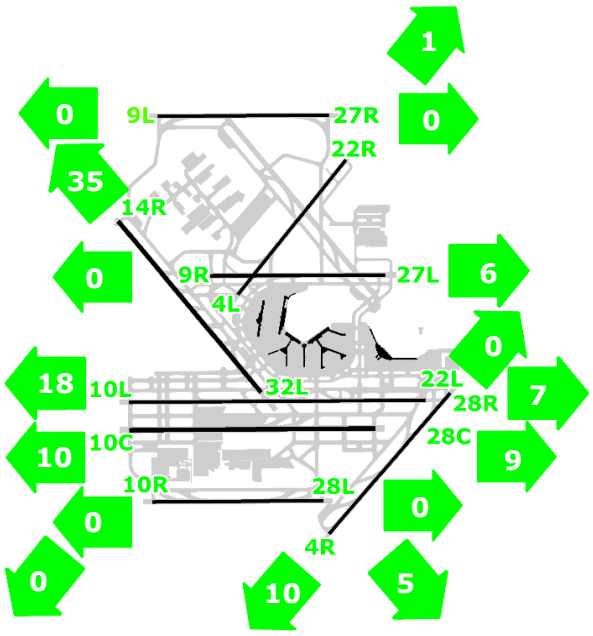
Departures



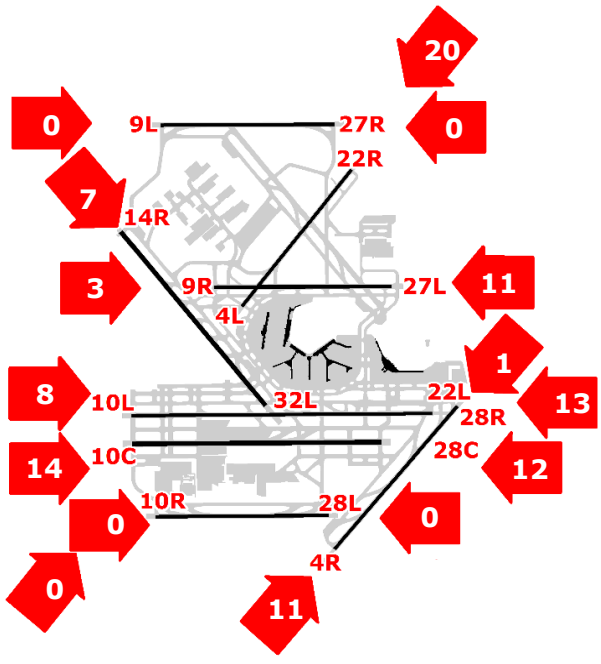
Arrivals



Percentage Departure Utilization



Percentage Arrival Utilization

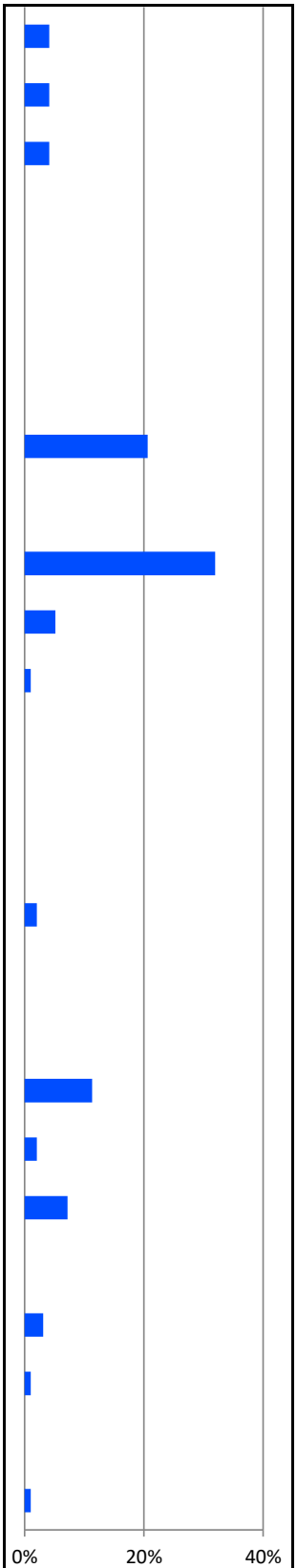


Aircraft Fleet Mix Report
Chicago O'Hare International Airport
Period: Night of July 6 through night of September 24, 2016
Fly Quiet Mode

CHICAGO DEPARTMENT OF AVIATION

Aircraft	Average Operations Per Day (Rotation Test)	Percentage of Total (Rotation Test)
Regional Aircraft		
CRJ200/700/900	4	4.1%
E135/E145	4	4.1%
E170	4	4.1%
E190	1	0.0%
C208	0	0.0%
Subtotal	**13**	**12.4%**
Narrow-Body Aircraft		
A319/320/321	20	20.6%
B717	0	0.0%
B737	31	32.0%
B757	5	5.2%
MD80	1	1.0%
MD90	0	0.0%
Subtotal	**57**	**58.8%**
Wide-Body Aircraft		
A300	2	2.1%
A330	0	0.0%
A340	0	0.0%
B747	11	11.3%
B767	2	2.1%
B777	7	7.2%
B787	0	0.0%
DC10	3	3.1%
MD11	1	1.0%
Subtotal	**26**	**26.8%**
General Aviation	**1**	**1.0%**
Total	**97**	**100%**

Percentage of Total



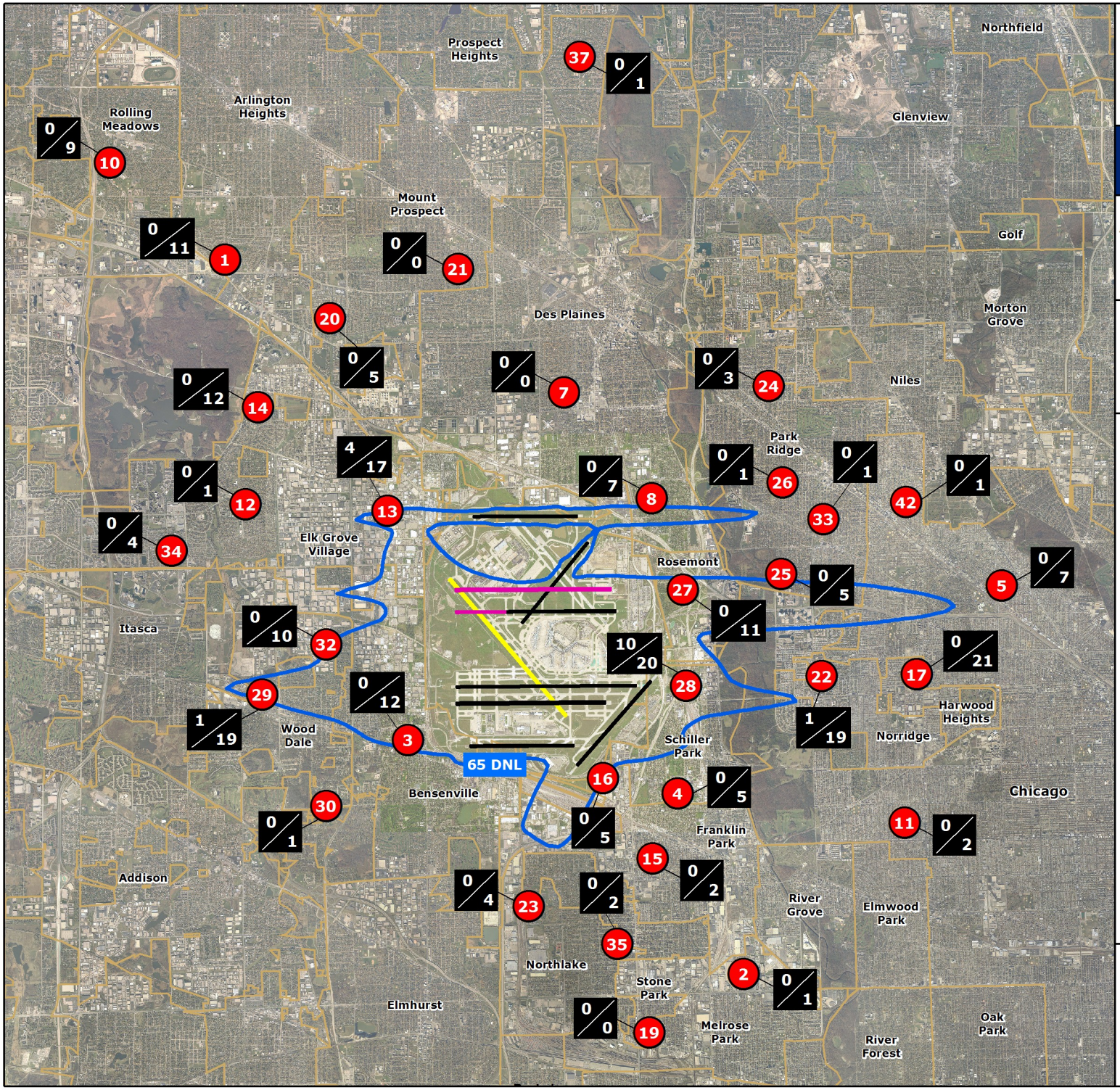
Airline Summary
Chicago O'Hare International Airport
Period: Night of July 6 through night of September 24, 2016
Fly Quiet

CHICAGO DEPARTMENT OF AVIATION

Airline	Arrivals	Departures	Total
United Airlines	1,466	678	2,144
American Airlines	760	491	1,251
Spirit Airlines	312	139	451
FedEx	228	163	391
AeroMexico	185	150	335
Frontier Airlines	186	55	241
UPS	153	86	239
Envoy Air	91	144	235
Sky West Aviation	57	139	196
Asiana Airlines	50	128	178
United Express/ASA	78	82	160
Republic Airlines	50	94	144
Korean Air Lines	62	68	130
Delta Air Lines	95	29	124
Cargolux Airlines	60	54	114
Nippon Cargo Airlines	14	83	97
Atlas Air	31	64	95
United Express/Shuttle America	28	66	94
Alaska Airlines	68	25	93
AirBridge Cargo Airlines	32	55	87
Air China Cargo	37	48	85
Qatar Airways	33	47	80
Cathay Pacific Airways	16	55	71
Copa Airlines	71	--	71
Emirates	20	46	66
United Express/Trans States	35	29	64
Unknown	37	26	63
Virgin America	61	1	62
United Express/Gojet	23	36	59
Lufthansa	1	57	58
JetBlue Airways	35	10	45
Qantas Airways	17	24	41
Lufthansa Cargo	15	19	34
AeroUnion	11	9	20
Kalitta Air	11	9	20
Finnair	--	17	17
Polar Air Cargo	14	2	16
PSA Airlines	4	12	16
Scandinavian Airlines	--	15	15
Netjets	8	6	14
Eva Airways	5	8	13
Aerologic	--	12	12
China Cargo Airlines	4	8	12
Sky Regional Airlines	3	8	11
Yangtze River Express Airlines	3	8	11
LOT	2	8	10
Air Canada	7	2	9
Air France	1	8	9
China Airlines	7	2	9
Delta Connection	5	1	6

Airline	Arrivals	Departures	Total
British Airways	--	4	4
America West Airlines	1	2	3
National Air Cargo	2	1	3
Turkish Airlines	--	3	3
All Nippon Airways	--	2	2
Aviation Advisor	1	1	2
Bombardier Business Jet Solutions	2	--	2
Flight Options	1	1	2
FltPlan	1	1	2
Kalitta Charters	1	1	2
Netjets/Executive Jet Management	1	1	2
Royal Jordanian	--	2	2
United Express/Mesa	1	1	2
Volaris	2	--	2
Worldwide Jet Charter	1	1	2
Xtra Airways	2	--	2
Deere and Company	1	--	1
Delta Private Jets	1	--	1
Eastern Airlines	1	--	1
Gama Aviation	1	--	1
Iberia Airlines	--	1	1
Longtail Aviation	1	--	1
Royal Jet	--	1	1
WestJet Airlines	--	1	1
Total **74**	**4,513**	**3,350**	**7,863**

Carrier Category	Percent of Total
United & American	46%
Other Domestic	22%
Other International	15%
Dedicated Cargo	16%
General Aviation	1%
Total	**100%**



CHICAGO DEPARTMENT OF AVIATION

O'Hare International Airport

Average Fly Quiet Mode Aircraft Noise Events

July 6, 2016 through September 24, 2016

City of Chicago
Rahm Emanuel, Mayor

Department of Aviation
Ginger S. Evans, Commissioner

Legend

- Existing RMT Sites (33)
- Events 85dB and greater (XXX)
- Events 65dB and greater (XXX)
- Existing Runways
- Existing Runway to be Decommissioned
- Future Runways
- OMP Build Out Noise Contour (Measured in DNL - Day/Night Average Sound Level)
- Community Boundaries

Miles
0 1 2

N

Date: November 28, 2016
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