



AIRSERVICES AUSTRALIA

Sydney Airport Operational Statistics December 2008

Produced by Environment and Climate Change

PREVIEW

Sydney Airport Operational Statistics Report Preview

December 2008

Total Runway Movements (excluding helicopter operations) (refer pages 5-10)

There were a total of 24,275 aircraft movements this month (daily average 783.06). Last month there were a total of 24,398 movements (daily average 813.27) and for the same month last year there were a total of 23,930 movements (daily average 771.94).

Mode Utilisation (refer pages 11 & 13)

Individual mode use in excess of 9 hours occurred on 27 days this month, Mode 9 on 15 days, Mode 10 on 11 days and Mode 15 on 1 day. Crossing runway modes (including Sodprops and Mode 15) were used for 15.28% of non Curfew hours.

Runway End Impact Long Term Operating Plan (LTOP) Targets (refer page 12)

LTOP targets - North 17% - South 55% - East 13% - West 15%

The two fundamental factors which influence the selection of a runway and therefore the LTOP targets are forecast or prevailing weather and traffic levels. In addition the SACL RESA works have had a direct impact on these percentages. This month's results are as follows:

North 33.46% - This result is above the LTOP target and above the previous month (31.90%).

South 51.61% - This result is below the LTOP target and just below the previous month (51.78%).

East 14.93% - This result is above the LTOP target but below the previous month (16.32%).

West 0.00% - This result is below the LTOP target and equal to the previous month (0.00%).

16 Precision Runway Monitor (PRM) Operations (refer page 14)

This procedure was not utilized this month.

Noise Enquiry Service (refer pages 15-20)

A total of 1167 complaints, comments and enquiries were received as follows:

1032 Sydney suburbs complaints from 127 complainants

46 Sydney suburbs comments and enquiries

89 non Sydney Airport or Sydney suburbs (NSW only) complaints, comments and enquiries

**Noise Enquiry Service
Environment and Climate Change
Airservices Australia**

telephone 1-800-802-584

facsimile (02) 9556-6641

e-mail community.relations@airservicesaustralia.com

internet www.airservicesaustralia.com

Table of Contents

Preview.....	i
Table of Contents.....	1
Sydney Airport Runways.....	2
Runway Modes of Operation.....	3
Preferred Runway Selection.....	4
Runway Movement Summary – All Aircraft.....	5
Runway Movement Summary – Jet Aircraft only.....	6
Runway Movement Summary – Non Jet Aircraft only.....	7
Hourly Runway Movement Summary– All Movements.....	8
Hourly Runway Movement Summary – Arrivals.....	9
Hourly Runway Movement Summary – Departures.....	10
Mode Utilisation Summary / Cumulative Mode Utilisation from 1 January 2008.....	11
Runway End Impact.....	12
Daily Mode Usage.....	13
PRM Statistics.....	14
Noise Enquiry Service.....	15
Complaints Graphs – Complaints vs Complainants.....	16
Complaints History / Top Complaint Suburbs.....	17
Complaint Density by Suburb.....	18
Recorded Complaints vs Complainants, by Suburb.....	19
Recorded Complaints vs Complainants, by Locations/Airports Other Than Sydney.....	20
Jet Flight Path Movements * (1 - 31 December 2008).....	21
Jet Flight Path Movements * (1 January 2008 - 31 December 2008).....	22
Jet Aircraft Respite (R60) * (1 - 31 December 2008).....	23
Jet Aircraft Respite (R60) * (1 January 2008 - 31 December 2008).....	24
Jet Flight Path Movements (Explanation).....	25
Jet Aircraft Respite (R60) (Explanation).....	26
Measured Daily N70 Values.....	27

This report is available on the Internet at Airservices Australia website at

www.airservicesaustralia.com

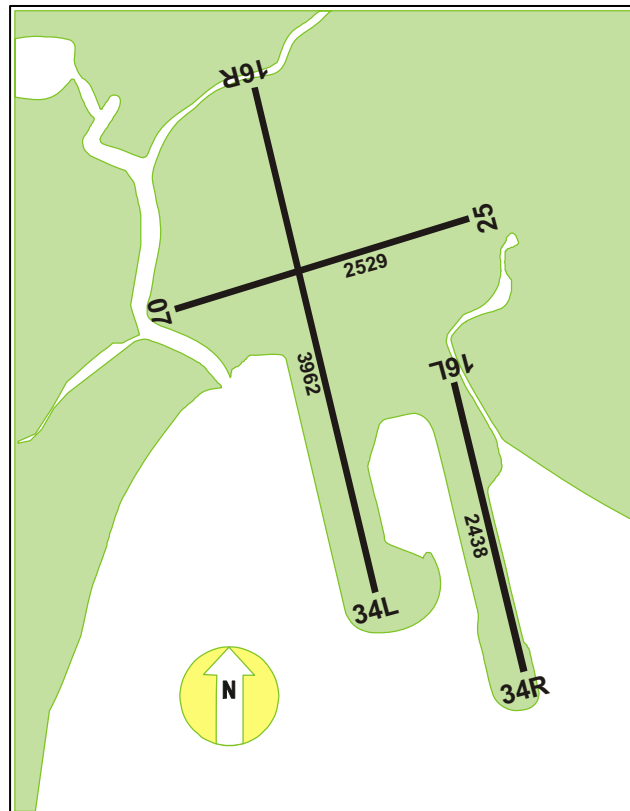
click on "Projects & Services", "Reports & Statistics" ***then***

"Sydney Airport Operational Statistics".

*

This information is produced using the TNIP software package developed by the Department of Infrastructure, Transport, Regional Development and Local Government

Sydney Airport Runways



Runway numbers refer to the direction an aircraft is flying.

Runway 16R/34L
Runway 16L/34R
Runway 07/25

Main North-South runway
Parallel North-South runway.
East-West runway.

Runways 16L and 16R

Used by aircraft landing or taking off towards the South.
(16=approx. 160 degrees magnetic bearing)

Runway 34L

Used by aircraft landing or taking off towards the North.
(34=approx. 340 degrees magnetic bearing)

Runway 34R

Used by aircraft landing toward the north and taking off to the East.

Runway 07

Used by aircraft landing or taking off towards the East.
(07=approx. 070 degrees magnetic bearing)

Runway 25

Used by aircraft landing or taking off towards the West.
(25=approx. 250 degrees magnetic bearing)

Movements over the North

=16L(arr) + 16R(arr) + 34L(dep)

Movements over the South

=16L(dep) + 16R(dep) + 34L(arr) + 34R(arr)

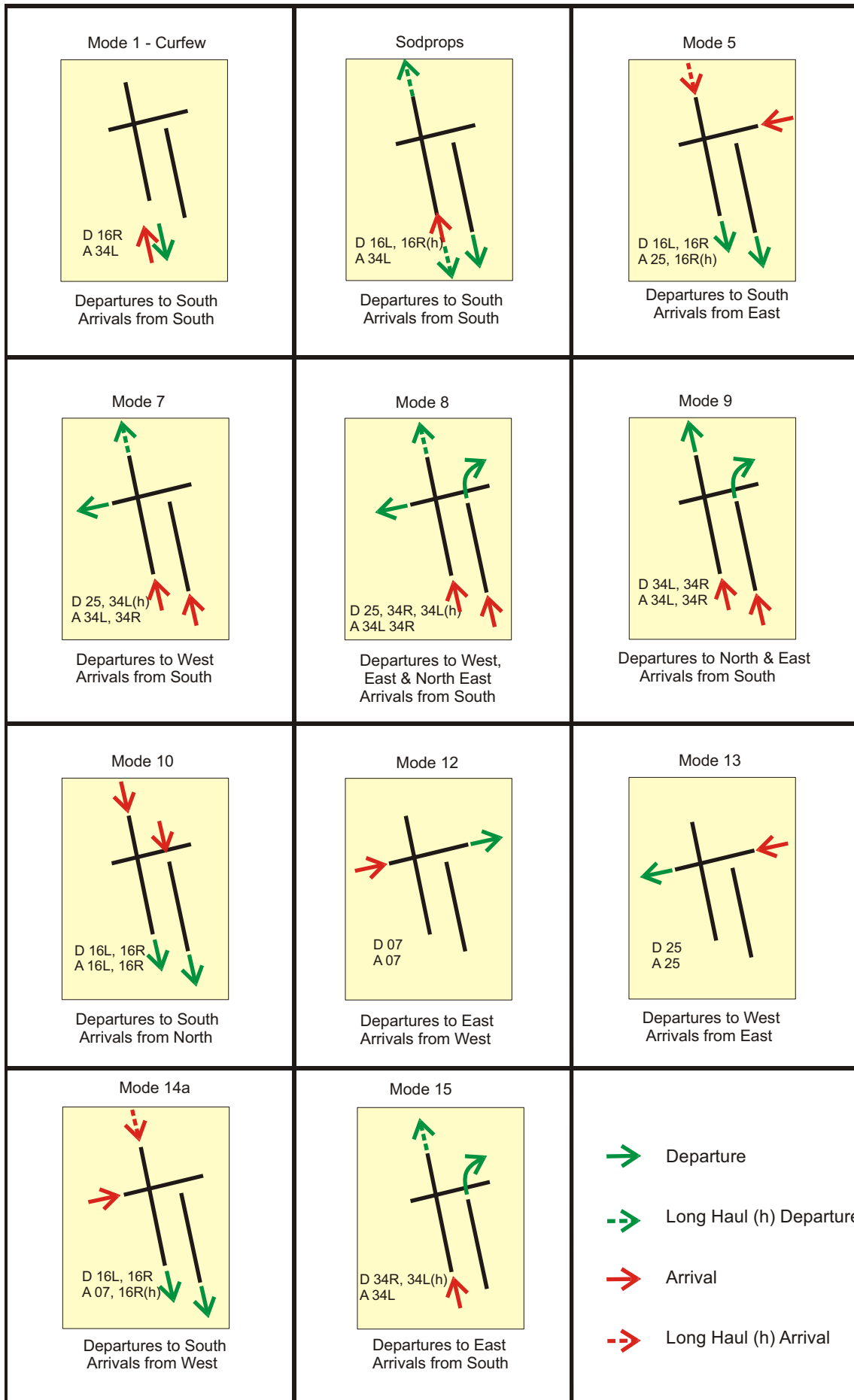
Movements over the East

=07(dep) + 25(arr) + 34R(dep)

Movements over the West

=07(arr) + 25(dep)

Runway Modes of Operation



Sydney Airport Preferred Runway Selection

Effective from 28 November 2000

Monday to Friday		
2300 to 0600	1.	Curfew – Departures 16R/Arrivals 34L (Mode 1)
0600 to 0700	1.	SODPROPS - Departures 16L / Arrivals 34L
	2.	Departures 34R, 25 & 34L / Arrivals 34L&R (Mode 8) , or Departures 25 / Arrivals 34L&R (Mode 7) , or Departures 16L&R / Arrivals 25 (Mode 5) , or Departures 16L&R / Arrivals 07 (Mode 14A)
	3.	34 (Mode 9) or 16 (Mode 10)
	4.	07 (Mode 12) or 25 (Mode 13)
0700 to 2245 / 2300	1.	SODPROPS - Departures 16L / Arrivals 34L
	2.	Departures 16L&R / Arrivals 07 (Mode 14A) , or Departures 34R, 25 & 34L / Arrivals 34L&R (Mode 8) , or Departures 25 / Arrivals 34L&R (Mode 7) , or Departures 16L&R / Arrivals 25 (Mode 5)
	3.	34 (Mode 9) or 16 (Mode 10)
	4.	07 (Mode 12) or 25 (Mode 13)
2245 to 2300	1.	SODPROPS - Departures 16L&R (Mandatory) / Arrivals 34L
	2.	Departures 16L&R (Mandatory) / Arrivals 34L (Mode 4) unless there would be significant delays to either departing or arriving aircraft or traffic complexity requires a variation or weather conditions preclude the use of 34L.
	3.	Departures 16L&R / Arrivals 25 (Mode 5) , or Departures 16L&R / Arrivals 07 (Mode 14A)
	4.	16 (Mode 10)

Rwy 34 and Rwy 16 Parallel Runway operations should only be considered for use if required for traffic management purposes during the following hours:

0700 to 1100 Monday to Saturday

0800 to 1100 Sunday

1500 to 2000 Sunday to Friday

In order to take advantage of suitable traffic dispositions, variations to these times will occur.

20 knot crosswind and 5 knot downwind criteria apply to all dry runway conditions

This is not an operational document. It has been prepared for information purposes only and is subject to change without notice.

Saturday and Sunday		
2300 to 0600	1.	Curfew – Departures 16R/Arrivals 34L (Mode 1)
0600 to 0700 <i>Saturday</i>	1.	SODPROPS - Departures 16L / Arrivals 34L
0600 to 0800 <i>Sunday</i>	2.	Curfew Act - Departures 16L&R/Arrivals 34L (Mode 4) unless there would be significant delays to either departing or arriving aircraft or traffic complexity requires a variation or weather conditions are not suitable
	3.	Departures 16L&R / Arrivals 25 (Mode 5) , or Departures 16L&R / Arrivals 07 (Mode 14A) , or Departures 34R, 25 & 34L / Arrivals 34L&R (Mode 8) , or Departures 25 / Arrivals 34L&R (Mode 7)
	4.	34 (Mode 9) or 16 (Mode 10)
	5.	07 (Mode 12) or 25 (Mode 13)
0700 to 2200 <i>Saturday</i>	1.	SODPROPS - Departures 16L / Arrivals 34L
0800 to 2200 <i>Sunday</i>	2.	Departures 16L&R / Arrivals 07 (Mode 14A) , or Departures 34R, 25 & 34L / Arrivals 34L&R (Mode 8) , or Departures 25 / Arrivals 34L&R (Mode 7) or Departures 16L&R / Arrivals 25 (Mode 5)
	3.	34 (Mode 9) or 16 (Mode 10)
	4.	07 (Mode 12) or 25 (Mode 13)
2200 to 2245	1.	SODPROPS - Departures 16L / Arrivals 34L
	2.	Departures 16L&R / Arrivals 34L (Mode 4) unless there would be significant delays to either departing or arriving aircraft or traffic complexity requires a variation or weather conditions are not suitable
	3.	Departures 16L&R / Arrivals 25 (Mode 5)
	4.	Departures 16L&R / Arrivals 07 (Mode 14A)
	5.	Departures 34R, 25 & 34L / Arrivals 34L&R (Mode 8)
	6.	Departures 25 / Arrivals 34L&R (Mode 7)
	7.	34 (Mode 9) or 16 (Mode 10)
	8.	07 (Mode 12) or 25 (Mode 13)
2245 to 2300	1.	SODPROPS - Departures 16L&R (Mandatory) / Arrivals 34L
	2.	Departures 16L&R (Mandatory) / Arrivals 34L (Mode 4) . The arrivals runway (34L) may be varied if there would be significant delays to either departing or arriving aircraft or traffic complexity requires a variation or weather conditions preclude the use of 34L. Departures 16L&R / Arrivals 25 (Mode 5) , or
	3.	Departures 16L&R / Arrivals 07 (Mode 14A)
	4.	16 (Mode 10)

Runway Movement Summary – All Aircraft

Date	Runway 07			Runway 16 Left			Runway 16 Right			Runway 25			Runway 34 Left			Runway 34 Right			Day
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	
01-Dec-08	0	0	0	27	20	47	56	58	114	0	0	0	214	159	373	137	200	337	871
02-Dec-08	0	0	0	43	53	96	62	78	140	0	0	0	226	148	374	98	159	257	867
03-Dec-08	0	0	0	40	27	67	60	90	150	0	0	0	210	143	353	125	175	300	870
04-Dec-08	0	0	0	76	52	128	113	148	261	0	0	0	166	99	265	79	133	212	866
05-Dec-08	0	0	0	0	0	0	1	9	10	0	0	0	277	188	465	156	243	399	874
06-Dec-08	0	0	0	61	51	112	122	126	248	0	0	0	105	73	178	57	82	139	677
07-Dec-08	0	0	0	108	84	192	174	220	394	0	0	0	58	32	90	29	44	73	749
08-Dec-08	0	0	0	48	36	84	62	75	137	0	0	0	221	147	368	93	167	260	849
09-Dec-08	0	1	1	0	10	10	0	12	12	0	0	0	307	178	485	125	225	350	858
10-Dec-08	0	0	0	168	116	284	257	322	579	0	0	0	11	0	11	0	0	0	874
11-Dec-08	0	0	0	175	124	299	229	297	526	0	0	0	30	7	37	1	10	11	873
12-Dec-08	0	0	0	0	0	0	0	13	13	0	0	0	276	178	454	150	239	389	856
13-Dec-08	0	0	0	0	0	0	0	0	0	0	0	0	285	140	425	56	186	242	667
14-Dec-08	0	0	0	43	70	113	107	126	233	0	0	0	142	82	224	66	89	155	725
15-Dec-08	0	0	0	161	122	283	256	306	562	0	0	0	8	0	8	0	0	0	853
16-Dec-08	0	0	0	0	15	15	0	15	15	0	0	0	307	175	482	115	216	331	843
17-Dec-08	0	0	0	140	103	243	198	248	446	0	0	0	66	35	101	22	41	63	853
18-Dec-08	0	0	0	30	41	71	54	74	128	0	0	0	239	145	384	98	162	260	843
19-Dec-08	0	0	0	171	122	293	252	306	558	0	0	0	6	0	6	0	0	0	857
20-Dec-08	0	0	0	125	96	221	218	235	453	0	0	0	1	0	1	0	0	0	675
21-Dec-08	0	0	0	58	78	136	117	137	254	0	0	0	124	74	198	67	85	152	740
22-Dec-08	0	0	0	0	0	0	0	6	6	0	0	0	296	181	477	118	226	344	827
23-Dec-08	0	0	0	89	75	164	149	186	335	0	0	0	106	65	171	56	75	131	801
24-Dec-08	0	0	0	157	119	276	238	279	517	0	0	0	6	0	6	0	0	0	799
25-Dec-08	0	0	0	0	17	17	0	9	9	0	0	0	253	120	373	26	131	157	556
26-Dec-08	0	3	3	0	0	0	0	3	3	0	0	0	267	145	412	66	192	258	676
27-Dec-08	0	0	0	52	36	88	110	98	208	0	0	0	112	92	204	59	104	163	663
28-Dec-08	0	0	0	0	22	22	0	0	0	0	0	0	260	161	421	91	169	260	703
29-Dec-08	0	0	0	133	103	236	228	255	483	0	0	0	5	0	5	0	0	0	724
30-Dec-08	0	0	0	10	10	20	28	28	56	0	0	0	249	138	387	73	179	252	715
31-Dec-08	0	0	0	49	62	111	89	113	202	0	0	0	143	73	216	53	89	142	671
Total	0	4	4	1964	1664	3628	3180	3872	7052	0	0	0	4976	2978	7954	2016	3621	5637	24275

Runway Movement Summary – Jet Aircraft Only

Date	Runway 07			Runway 16 Left			Runway 16 Right			Runway 25			Runway 34 Left			Runway 34 Right			Day
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	
01-Dec-08	0	0	0	21	13	34	44	46	90	0	0	0	164	97	261	89	166	255	640
02-Dec-08	0	0	0	22	42	64	53	52	105	0	0	0	174	91	265	65	134	199	633
03-Dec-08	0	0	0	29	18	47	52	65	117	0	0	0	169	90	259	69	146	215	638
04-Dec-08	0	0	0	47	34	81	91	109	200	0	0	0	133	61	194	47	111	158	633
05-Dec-08	0	0	0	0	0	0	0	4	4	0	0	0	222	110	332	91	203	294	630
06-Dec-08	0	0	0	48	38	86	99	109	208	0	0	0	83	48	131	35	69	104	529
07-Dec-08	0	0	0	79	57	136	141	168	309	0	0	0	48	24	72	23	39	62	579
08-Dec-08	0	0	0	23	23	46	59	53	112	0	0	0	165	98	263	56	136	192	613
09-Dec-08	0	1	1	0	10	10	0	3	3	0	0	0	236	110	346	82	184	266	626
10-Dec-08	0	0	0	99	79	178	213	241	454	0	0	0	5	0	5	0	0	0	637
11-Dec-08	0	0	0	100	83	183	192	215	407	0	0	0	22	4	26	0	10	10	626
12-Dec-08	0	0	0	0	0	0	0	5	5	0	0	0	221	110	331	90	198	288	624
13-Dec-08	0	0	0	0	0	0	0	0	0	0	0	0	227	100	327	37	161	198	525
14-Dec-08	0	0	0	33	47	80	88	93	181	0	0	0	113	55	168	48	78	126	555
15-Dec-08	0	0	0	104	83	187	200	229	429	0	0	0	2	0	2	0	0	0	618
16-Dec-08	0	0	0	0	15	15	0	6	6	0	0	0	240	112	352	70	178	248	621
17-Dec-08	0	0	0	88	73	161	160	185	345	0	0	0	49	21	70	13	34	47	623
18-Dec-08	0	0	0	18	31	49	41	47	88	0	0	0	187	93	280	59	134	193	610
19-Dec-08	0	0	0	109	84	193	196	220	416	0	0	0	4	0	4	0	0	0	613
20-Dec-08	0	0	0	82	69	151	184	197	381	0	0	0	0	0	0	0	0	0	532
21-Dec-08	0	0	0	42	58	100	93	104	197	0	0	0	105	48	153	50	72	122	572
22-Dec-08	0	0	0	0	0	0	0	2	2	0	0	0	235	120	355	73	190	263	620
23-Dec-08	0	0	0	65	48	113	114	138	252	0	0	0	85	46	131	31	63	94	590
24-Dec-08	0	0	0	99	82	181	199	215	414	0	0	0	2	0	2	0	0	0	597
25-Dec-08	0	0	0	0	16	16	0	7	7	0	0	0	219	95	314	17	116	133	470
26-Dec-08	0	3	3	0	0	0	0	3	3	0	0	0	219	108	327	49	162	211	544
27-Dec-08	0	0	0	34	31	65	101	83	184	0	0	0	87	68	155	43	84	127	531
28-Dec-08	0	0	0	0	19	19	0	0	0	0	0	0	220	118	338	64	142	206	563
29-Dec-08	0	0	0	90	73	163	193	207	400	0	0	0	3	0	3	0	0	0	566
30-Dec-08	0	0	0	6	6	12	25	19	44	0	0	0	202	96	298	48	155	203	557
31-Dec-08	0	0	0	35	52	87	71	87	158	0	0	0	117	53	170	36	72	108	523
Total	0	4	4	1273	1184	2457	2609	2912	5521	0	0	0	3958	1976	5934	1285	3037	4322	18238

Runway Movement Summary – Non Jet Aircraft Only ¹

Date	Runway 07			Runway 16 Left			Runway 16 Right			Runway 25			Runway 34 Left			Runway 34 Right			Day
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	
01-Dec-08	0	0	0	6	7	13	12	12	24	0	0	0	50	62	112	48	34	82	231
02-Dec-08	0	0	0	21	11	32	9	26	35	0	0	0	52	57	109	33	25	58	234
03-Dec-08	0	0	0	11	9	20	8	25	33	0	0	0	41	53	94	56	29	85	232
04-Dec-08	0	0	0	29	18	47	22	39	61	0	0	0	33	38	71	32	22	54	233
05-Dec-08	0	0	0	0	0	0	1	5	6	0	0	0	55	78	133	65	40	105	244
06-Dec-08	0	0	0	13	13	26	23	17	40	0	0	0	22	25	47	22	13	35	148
07-Dec-08	0	0	0	29	27	56	33	52	85	0	0	0	10	8	18	6	5	11	170
08-Dec-08	0	0	0	25	13	38	3	22	25	0	0	0	56	49	105	37	31	68	236
09-Dec-08	0	0	0	0	0	0	0	9	9	0	0	0	71	68	139	43	41	84	232
10-Dec-08	0	0	0	69	37	106	44	81	125	0	0	0	6	0	6	0	0	0	237
11-Dec-08	0	0	0	75	41	116	37	82	119	0	0	0	8	3	11	1	0	1	247
12-Dec-08	0	0	0	0	0	0	0	8	8	0	0	0	55	68	123	60	41	101	232
13-Dec-08	0	0	0	0	0	0	0	0	0	0	0	0	58	40	98	19	25	44	142
14-Dec-08	0	0	0	10	23	33	19	33	52	0	0	0	29	27	56	18	11	29	170
15-Dec-08	0	0	0	57	39	96	56	77	133	0	0	0	6	0	6	0	0	0	235
16-Dec-08	0	0	0	0	0	0	0	9	9	0	0	0	67	63	130	45	38	83	222
17-Dec-08	0	0	0	52	30	82	38	63	101	0	0	0	17	14	31	9	7	16	230
18-Dec-08	0	0	0	12	10	22	13	27	40	0	0	0	52	52	104	39	28	67	233
19-Dec-08	0	0	0	62	38	100	56	86	142	0	0	0	2	0	2	0	0	0	244
20-Dec-08	0	0	0	43	27	70	34	38	72	0	0	0	1	0	1	0	0	0	143
21-Dec-08	0	0	0	16	20	36	24	33	57	0	0	0	19	26	45	17	13	30	168
22-Dec-08	0	0	0	0	0	0	0	4	4	0	0	0	61	61	122	45	36	81	207
23-Dec-08	0	0	0	24	27	51	35	48	83	0	0	0	21	19	40	25	12	37	211
24-Dec-08	0	0	0	58	37	95	39	64	103	0	0	0	4	0	4	0	0	0	202
25-Dec-08	0	0	0	0	1	1	0	2	2	0	0	0	34	25	59	9	15	24	86
26-Dec-08	0	0	0	0	0	0	0	0	0	0	0	0	48	37	85	17	30	47	132
27-Dec-08	0	0	0	18	5	23	9	15	24	0	0	0	25	24	49	16	20	36	132
28-Dec-08	0	0	0	0	3	3	0	0	0	0	0	0	40	43	83	27	27	54	140
29-Dec-08	0	0	0	43	30	73	35	48	83	0	0	0	2	0	2	0	0	0	158
30-Dec-08	0	0	0	4	4	8	3	9	12	0	0	0	47	42	89	25	24	49	158
31-Dec-08	0	0	0	14	10	24	18	26	44	0	0	0	26	20	46	17	17	34	148
Total	0	0	0	691	480	1171	571	960	1531	0	0	0	1018	1002	2020	731	584	1315	6037

(1) Includes miscellaneous General Aviation aircraft - refer Noise And Flight Path Monitoring System Sydney Quarterly Report for more detail

Hourly Runway Movement Summary – All Movements

Date	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total
01-Dec-08	0	0	1	0	0	1	25	72	69	52	67	51	49	41	44	53	55	56	63	57	48	36	27	4	871
02-Dec-08	7	2	3	3	1	3	33	64	69	59	56	48	48	36	48	50	49	53	67	59	40	31	30	8	867
03-Dec-08	4	2	1	3	0	2	25	54	51	64	56	58	55	42	41	57	57	58	65	59	47	32	29	8	870
04-Dec-08	5	3	1	2	1	1	28	62	69	64	56	45	51	39	47	51	43	59	67	56	42	37	30	7	866
05-Dec-08	6	0	1	3	1	1	23	60	66	63	67	56	42	33	50	53	59	53	70	70	47	28	21	1	874
06-Dec-08	3	0	1	0	0	0	19	60	58	53	57	54	38	37	40	42	36	41	46	35	23	20	14	0	677
07-Dec-08	2	0	1	1	0	1	20	34	41	56	47	43	56	37	40	46	55	57	66	55	37	34	20	0	749
08-Dec-08	0	1	0	1	1	1	30	65	62	60	61	59	52	41	39	41	36	57	66	64	42	35	28	7	849
09-Dec-08	6	2	2	1	0	3	32	58	64	69	62	45	48	36	44	50	49	53	66	59	40	31	30	8	858
10-Dec-08	6	3	3	2	1	2	33	57	59	57	49	53	60	37	41	51	54	62	67	55	47	39	31	5	874
11-Dec-08	7	3	4	4	1	1	30	60	63	64	63	51	48	37	46	55	45	57	64	59	35	33	37	6	873
12-Dec-08	5	3	2	3	0	1	28	57	62	61	60	52	48	43	43	53	60	49	56	57	44	37	27	5	856
13-Dec-08	1	0	1	0	0	0	19	46	60	58	63	45	45	33	33	39	47	35	40	38	30	18	15	1	667
14-Dec-08	2	0	1	0	0	1	18	37	39	48	46	46	50	39	39	46	50	55	61	54	42	32	18	1	725
15-Dec-08	2	1	2	0	0	0	31	61	67	67	57	51	52	42	41	47	52	60	59	54	37	36	24	10	853
16-Dec-08	6	2	0	4	2	1	31	64	71	54	64	39	46	42	42	48	49	55	63	56	37	31	29	7	843
17-Dec-08	5	3	2	2	1	1	31	65	62	56	55	48	53	35	42	51	47	62	69	54	38	37	26	8	853
18-Dec-08	5	5	1	2	4	2	27	62	66	55	60	42	55	33	42	50	43	47	62	56	46	34	36	8	843
19-Dec-08	4	5	2	7	1	2	29	53	54	54	58	46	56	45	43	54	55	59	70	61	40	34	24	1	857
20-Dec-08	1	1	0	0	0	0	19	52	60	60	52	52	53	29	39	40	37	40	44	34	27	25	10	0	675
21-Dec-08	1	2	0	1	0	2	18	41	43	49	44	46	57	36	42	46	49	54	67	51	39	31	18	3	740
22-Dec-08	1	0	0	1	0	0	24	65	61	58	52	60	52	38	47	47	56	48	56	54	37	34	27	9	827
23-Dec-08	7	5	1	2	3	2	26	61	59	52	54	42	61	31	38	50	45	47	55	48	41	32	32	7	801
24-Dec-08	8	2	2	3	0	1	27	52	55	63	54	57	56	33	40	57	49	45	60	49	35	34	17	0	799
25-Dec-08	1	3	0	0	1	1	25	43	44	41	44	32	41	31	31	27	33	30	42	32	26	17	11	0	556
26-Dec-08	0	1	0	1	1	0	20	44	55	46	54	43	48	30	37	47	38	47	52	42	29	29	11	1	676
27-Dec-08	0	1	0	0	1	0	19	48	54	59	45	44	51	35	33	40	42	15	50	53	28	23	21	1	663
28-Dec-08	2	0	0	0	0	0	15	38	44	49	42	47	53	35	35	52	54	46	61	44	36	29	21	0	703
29-Dec-08	1	1	1	1	0	0	23	51	54	50	49	44	49	36	43	44	45	42	58	45	31	25	22	9	724
30-Dec-08	5	3	2	1	3	1	25	51	50	51	48	46	48	34	38	42	45	43	53	41	27	31	21	6	715
31-Dec-08	5	3	0	3	2	4	26	48	50	44	49	44	42	32	44	39	44	49	46	31	36	23	7	0	671
Total	108	57	35	51	25	35	779	1685	1781	1736	1691	1489	1563	1128	1272	1468	1478	1534	1831	1582	1154	948	714	131	24275
Avg.	3.48	1.84	1.13	1.65	0.81	1.13	25.13	54.35	57.45	56.00	54.55	48.03	50.42	36.39	41.03	47.35	47.68	49.48	59.06	51.03	37.23	30.58	23.03	4.23	783.06

Hourly Runway Movement Summary – Arrivals

Date	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total
01-Dec-08	0	0	1	0	0	0	10	42	35	23	33	27	16	16	30	24	25	32	33	24	21	22	20	0	434
02-Dec-08	2	0	0	2	0	1	18	35	39	25	26	27	17	15	32	15	24	35	33	20	22	21	14	6	429
03-Dec-08	0	0	1	1	0	2	11	28	28	29	31	30	21	17	28	29	24	30	36	20	29	20	15	5	435
04-Dec-08	0	0	1	1	0	1	13	36	38	29	30	23	20	13	31	21	18	41	31	21	23	22	17	4	434
05-Dec-08	0	0	1	1	0	1	8	33	40	32	30	31	15	15	29	19	27	29	38	29	23	17	16	0	434
06-Dec-08	1	0	1	0	0	0	11	39	29	20	31	24	15	18	25	20	15	28	18	18	13	14	5	0	345
07-Dec-08	1	0	1	0	0	1	11	19	20	28	26	21	20	13	24	22	24	30	34	23	19	20	12	0	369
08-Dec-08	0	0	0	1	1	1	15	31	35	29	32	30	18	18	24	24	14	29	34	22	23	22	17	4	424
09-Dec-08	1	0	1	0	0	3	17	32	35	36	29	25	17	14	29	19	23	34	31	23	20	23	16	4	432
10-Dec-08	2	1	1	1	0	2	17	29	32	28	24	29	24	17	27	22	22	33	33	24	25	22	17	4	436
11-Dec-08	1	0	2	2	1	1	16	30	34	32	29	30	19	14	27	25	17	36	33	25	18	20	19	4	435
12-Dec-08	1	1	1	1	0	1	14	32	34	33	24	30	15	19	28	28	22	25	33	24	24	17	17	2	426
13-Dec-08	1	0	1	0	0	0	13	28	36	21	28	23	17	17	19	20	22	20	23	18	16	9	9	0	341
14-Dec-08	2	0	0	0	0	1	12	21	19	20	24	20	20	13	25	19	25	30	31	24	24	19	9	0	358
15-Dec-08	1	1	0	0	0	0	15	35	40	24	29	25	21	19	26	18	26	33	27	20	23	26	10	6	425
16-Dec-08	1	0	0	3	0	1	17	39	37	26	31	21	18	18	26	16	26	31	30	20	20	22	15	4	422
17-Dec-08	1	1	1	1	0	1	17	38	32	21	32	23	24	13	26	21	22	36	31	20	21	24	16	4	426
18-Dec-08	2	0	0	1	2	2	14	39	34	19	35	21	22	16	23	24	21	22	34	25	21	21	19	4	421
19-Dec-08	0	0	2	3	1	2	15	30	28	28	25	27	25	20	25	24	24	34	35	21	22	23	14	1	429
20-Dec-08	1	1	0	0	0	0	11	33	32	23	23	28	24	11	23	16	19	27	23	15	15	14	5	0	344
21-Dec-08	1	0	0	1	0	1	10	24	19	20	22	23	23	16	22	20	27	29	36	20	21	18	12	1	366
22-Dec-08	0	0	0	1	0	0	12	37	33	23	23	37	19	16	26	21	25	30	23	23	21	21	17	6	414
23-Dec-08	3	0	0	2	1	2	16	39	25	22	25	26	22	8	26	24	19	29	26	20	24	20	19	2	400
24-Dec-08	3	0	1	1	0	1	15	29	30	26	25	33	18	15	27	26	21	25	30	22	18	23	12	0	401
25-Dec-08	1	2	0	0	0	0	15	27	22	12	24	16	21	14	15	10	18	20	17	16	15	10	4	0	279
26-Dec-08	0	1	0	0	0	0	9	22	30	20	22	22	19	14	22	23	20	26	23	17	19	17	7	0	333
27-Dec-08	0	1	0	0	0	0	11	29	31	16	20	24	22	16	19	20	20	11	26	25	16	13	12	1	333
28-Dec-08	1	0	0	0	0	0	9	20	22	23	17	23	20	12	24	26	27	26	33	20	22	16	10	0	351
29-Dec-08	1	0	0	1	0	0	11	31	29	17	23	25	15	20	27	16	20	25	27	26	16	17	13	6	366
30-Dec-08	2	0	0	1	2	1	14	30	22	24	26	23	22	14	22	17	22	23	25	18	17	21	11	3	360
31-Dec-08	2	0	0	1	1	2	13	27	25	14	25	25	19	15	25	15	21	31	16	18	23	14	2	0	334
Total	32	9	16	26	9	28	410	964	945	743	824	792	608	476	782	644	680	890	903	661	634	588	401	71	12136
Avg.	1.03	0.29	0.52	0.84	0.29	0.90	13.23	31.10	30.48	23.97	26.58	25.55	19.61	15.35	25.23	20.77	21.94	28.71	29.13	21.32	20.45	18.97	12.94	2.29	391.48

Hourly Runway Movement Summary – Departures

Date	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Total
01-Dec-08	0	0	0	0	0	1	15	30	34	29	34	24	33	25	14	29	30	24	30	33	27	14	7	4	437
02-Dec-08	5	2	3	1	1	2	15	29	30	34	30	21	31	21	16	35	25	18	34	39	18	10	16	2	438
03-Dec-08	4	2	0	2	0	0	14	26	23	35	25	28	34	25	13	28	33	28	29	39	18	12	14	3	435
04-Dec-08	5	3	0	1	1	0	15	26	31	35	26	22	31	26	16	30	25	18	36	35	19	15	13	3	432
05-Dec-08	6	0	0	2	1	0	15	27	26	31	37	25	27	18	21	34	32	24	32	41	24	11	5	1	440
06-Dec-08	2	0	0	0	0	0	8	21	29	33	26	30	23	19	15	22	21	13	28	17	10	6	9	0	332
07-Dec-08	1	0	0	1	0	0	9	15	21	28	21	22	36	24	16	24	31	27	32	32	18	14	8	0	380
08-Dec-08	0	1	0	0	0	0	15	34	27	31	29	29	34	23	15	17	22	28	32	42	19	13	11	3	425
09-Dec-08	5	2	1	1	0	0	15	26	29	33	33	20	31	22	15	31	26	19	35	36	20	8	14	4	426
10-Dec-08	4	2	2	1	1	0	16	28	27	29	25	24	36	20	14	29	32	29	34	31	22	17	14	1	438
11-Dec-08	6	3	2	2	0	0	14	30	29	32	34	21	29	23	19	30	28	21	31	34	17	13	18	2	438
12-Dec-08	4	2	1	2	0	0	14	25	28	28	36	22	33	24	15	25	38	24	23	33	20	20	10	3	430
13-Dec-08	0	0	0	0	0	0	6	18	24	37	35	22	28	16	14	19	25	15	17	20	14	9	6	1	326
14-Dec-08	0	0	1	0	0	0	6	16	20	28	22	26	30	26	14	27	25	25	30	30	18	13	9	1	367
15-Dec-08	1	0	2	0	0	0	16	26	27	43	28	26	31	23	15	29	26	27	32	34	14	10	14	4	428
16-Dec-08	5	2	0	1	2	0	14	25	34	28	33	18	28	24	16	32	23	24	33	36	17	9	14	3	421
17-Dec-08	4	2	1	1	1	0	14	27	30	35	23	25	29	22	16	30	25	26	38	34	17	13	10	4	427
18-Dec-08	3	5	1	1	2	0	13	23	32	36	25	21	33	17	19	26	22	25	28	31	25	13	17	4	422
19-Dec-08	4	5	0	4	0	0	14	23	26	26	33	19	31	25	18	30	31	25	35	40	18	11	10	0	428
20-Dec-08	0	0	0	0	0	0	8	19	28	37	29	24	29	18	16	24	18	13	21	19	12	11	5	0	331
21-Dec-08	0	2	0	0	0	1	8	17	24	29	22	23	34	20	20	26	22	25	31	31	18	13	6	2	374
22-Dec-08	1	0	0	0	0	0	12	28	28	35	29	23	33	22	21	26	31	18	33	31	16	13	10	3	413
23-Dec-08	4	5	1	0	2	0	10	22	34	30	29	16	39	23	12	26	26	18	29	28	17	12	13	5	401
24-Dec-08	5	2	1	2	0	0	12	23	25	37	29	24	38	18	13	31	28	20	30	27	17	11	5	0	398
25-Dec-08	0	1	0	0	1	1	10	16	22	29	20	16	20	17	16	17	15	10	25	16	11	7	7	0	277
26-Dec-08	0	0	0	1	1	0	11	22	25	26	32	21	29	16	15	24	18	21	29	25	10	12	4	1	343
27-Dec-08	0	0	0	0	1	0	8	19	23	43	25	20	29	19	14	20	22	4	24	28	12	10	9	0	330
28-Dec-08	1	0	0	0	0	0	6	18	22	26	25	24	33	23	11	26	27	20	28	24	14	13	11	0	352
29-Dec-08	0	1	1	0	0	0	12	20	25	33	26	19	34	16	16	28	25	17	31	19	15	8	9	3	358
30-Dec-08	3	3	2	0	1	0	11	21	28	27	22	23	26	20	16	25	23	20	28	23	10	10	10	3	355
31-Dec-08	3	3	0	2	1	2	13	21	25	30	24	19	23	17	19	24	23	18	30	13	13	9	5	0	337
Total	76	48	19	25	16	7	369	721	836	993	867	697	955	652	490	824	798	644	928	921	520	360	313	60	12139
Avg.	2.45	1.55	0.61	0.81	0.52	0.23	11.90	23.26	26.97	32.03	27.97	22.48	30.81	21.03	15.81	26.58	25.74	20.77	29.94	29.71	16.77	11.61	10.10	1.94	391.58

Mode Utilisation Summary (Total Hours by Day)

Date	Curfew	16/34	Sod props	Mode 5 16/25	Mode 7 25/34	Mode 8 25/34	Mode 9 34	Mode 10 16	Mode 12 07	Mode 13 25	Mode14a 16/07	Mode 15 34R/34L	Other
01-Dec-08	7:00	0:11	-	-	-	-	12:29	3:35	-	-	-	0:45	-
02-Dec-08	7:00	0:19	2:05	-	-	-	11:12	3:24	-	-	-	-	-
03-Dec-08	7:00	0:13	-	-	-	-	10:46	4:20	-	-	-	1:40	-
04-Dec-08	7:00	0:17	-	-	-	-	7:25	6:56	-	-	-	2:22	-
05-Dec-08	7:00	0:03	-	-	-	-	12:34	-	-	-	-	4:23	-
06-Dec-08	7:00	0:04	-	-	-	-	5:43	10:32	-	-	-	0:41	-
07-Dec-08	7:00	0:22	-	-	-	-	3:31	13:07	-	-	-	-	-
08-Dec-08	7:00	0:18	-	-	-	-	9:22	3:58	-	-	-	3:22	-
09-Dec-08	7:00	0:15	0:47	-	-	-	12:06	-	-	-	-	3:52	-
10-Dec-08	7:00	0:17	-	-	-	-	-	16:43	-	-	-	-	-
11-Dec-08	7:00	0:11	-	-	-	-	0:27	15:36	-	-	-	0:46	-
12-Dec-08	7:00	0:18	-	-	-	-	14:27	-	-	-	-	2:15	-
13-Dec-08	7:00	0:26	-	-	-	-	5:53	-	-	-	-	10:41	-
14-Dec-08	7:00	0:21	1:37	-	-	-	7:03	7:59	-	-	-	-	-
15-Dec-08	7:00	0:05	-	-	-	-	-	16:55	-	-	-	-	-
16-Dec-08	7:00	0:14	1:19	-	-	-	13:05	-	-	-	-	2:22	-
17-Dec-08	7:00	0:11	0:51	-	-	-	3:11	12:30	-	-	-	0:17	-
18-Dec-08	7:00	0:14	1:43	-	-	-	9:37	3:05	-	-	-	2:21	-
19-Dec-08	7:00	0:23	-	-	-	-	-	16:37	-	-	-	-	-
20-Dec-08	7:00	0:14	-	-	-	-	-	16:46	-	-	-	-	-
21-Dec-08	7:00	0:23	1:33	-	-	-	6:52	8:11	-	-	-	-	-
22-Dec-08	7:00	0:18	-	-	-	-	11:25	-	-	-	-	5:17	-
23-Dec-08	7:00	0:06	-	-	-	-	5:10	10:56	-	-	-	0:48	-
24-Dec-08	7:00	0:29	-	-	-	-	-	16:31	-	-	-	-	-
25-Dec-08	7:00	0:51	1:24	-	-	-	14:45	-	-	-	-	-	-
26-Dec-08	7:00	0:25	-	-	-	-	12:37	-	-	-	-	3:58	-
27-Dec-08	7:00	0:23	-	-	-	-	9:04	7:15	-	-	-	0:18	-
28-Dec-08	7:00	0:30	1:41	-	-	-	11:08	-	-	-	-	3:40	-
29-Dec-08	7:00	0:15	-	-	-	-	-	16:45	-	-	-	-	-
30-Dec-08	7:00	0:27	-	-	-	-	9:51	1:44	-	-	-	4:58	-
31-Dec-08	7:00	0:52	2:10	-	-	-	6:30	6:48	-	-	-	0:40	-
Total	217:00	9:55	15:10	0:00	0:00	0:00	226:14	220:14	0:00	0:00	0:00	55:26	0:00
% Used		1.88%	2.88%	0.00%	0.00%	0.00%	42.93%	41.79%	0.00%	0.00%	0.00%	10.52%	0.00%

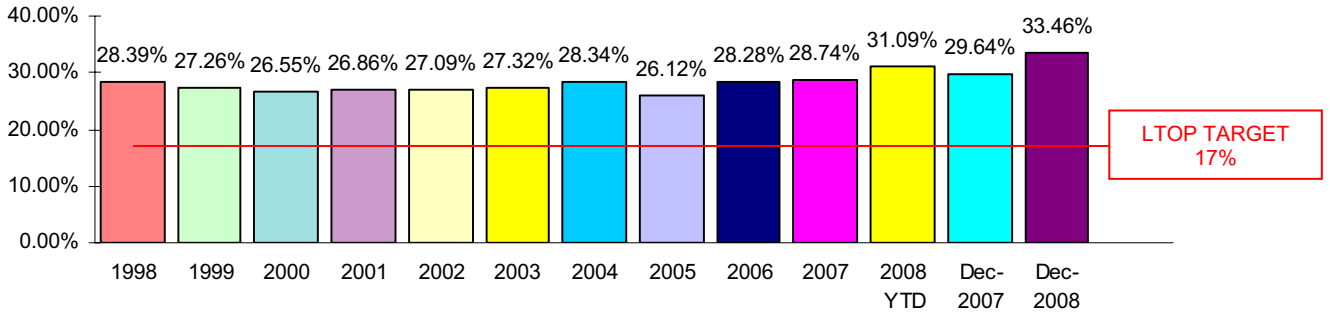
Cumulative Mode Utilisation from 1 January 2008

Time	1.51%	3.42%	5.46%	4.45%	0.00%	37.95%	39.48%	0.10%	1.86%	3.82%	1.93%	0.03%
Movements	0.38%	2.33%	4.13%	3.27%	0.00%	41.52%	42.12%	0.08%	1.74%	3.01%	1.39%	0.03%

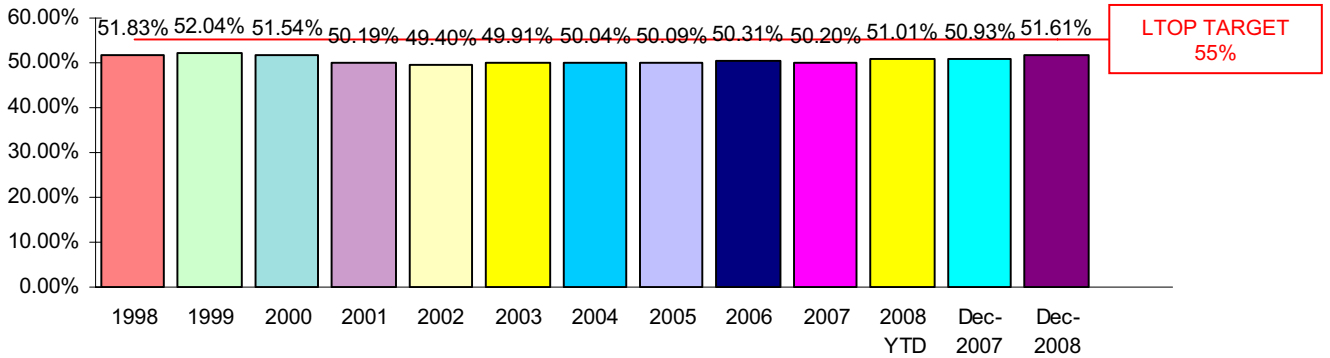
Runway End Impact to 31 December 2008

Includes comparisons with annual figures for 1998 to 2007, 2008 Year to Date, current month this year and corresponding month last year.

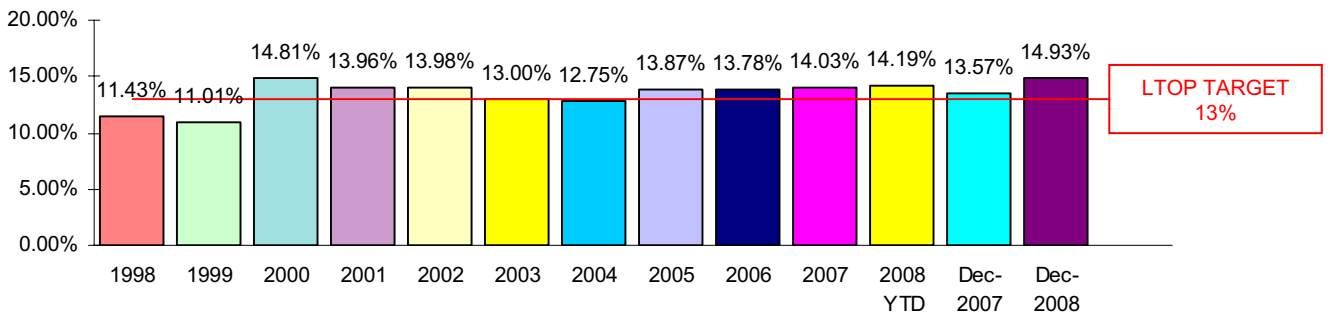
NORTH



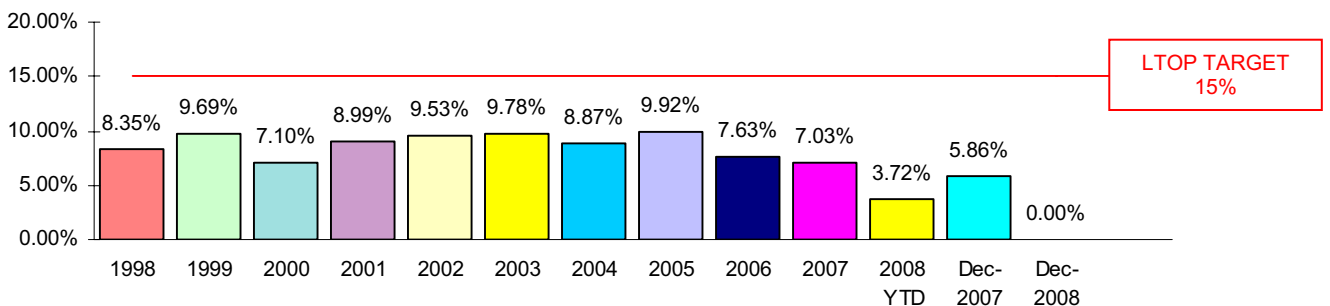
SOUTH



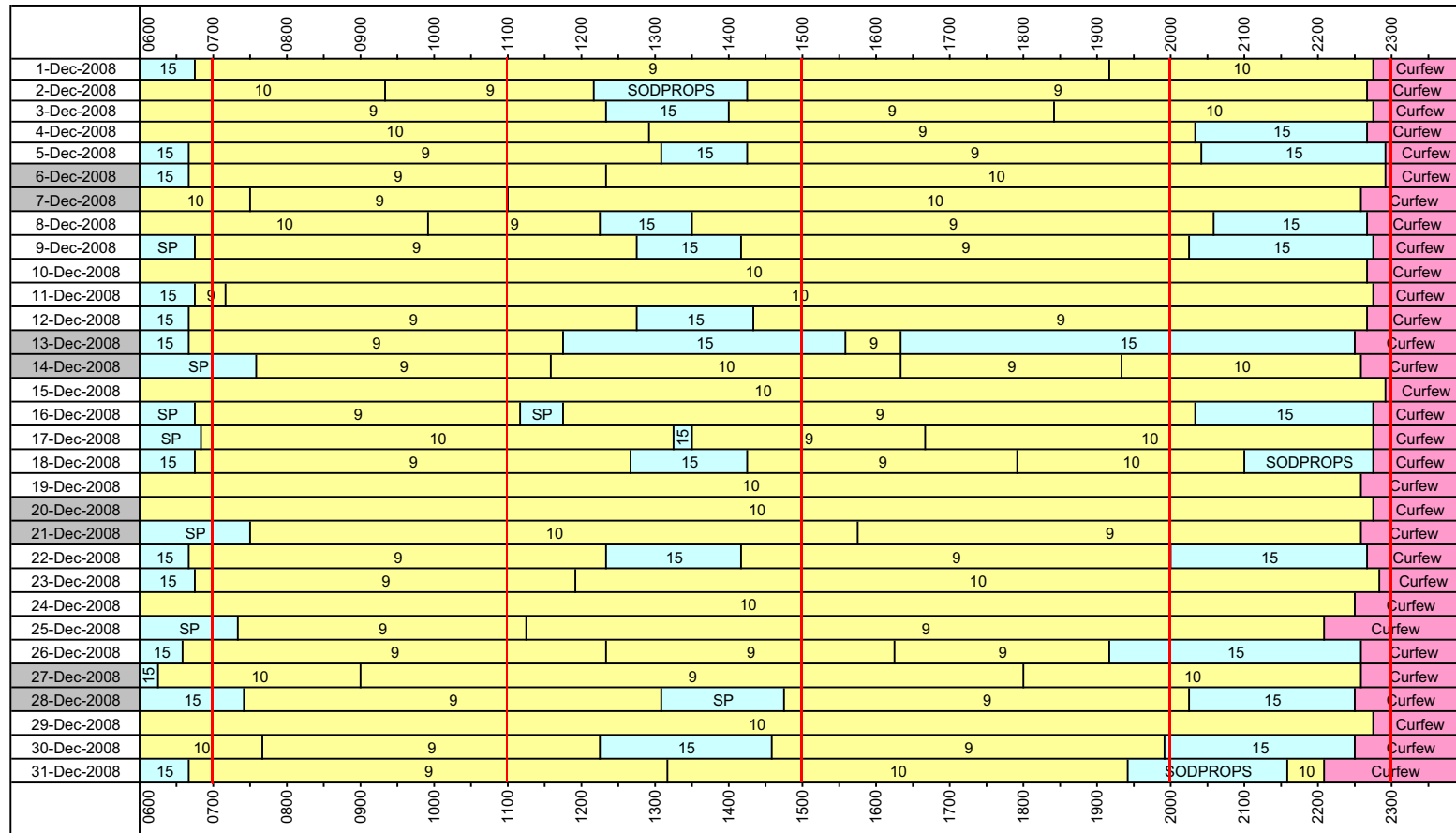
EAST



WEST



Sydney Airport - Daily Mode Usage



Weekend

Curfew Mode CURFEW: Dep 16R Arr 34L

Parallel Modes M9: Dep 34L+R Arr 34L+R M10: Dep 16L+R Arr 16L+R

Crossing Modes SODPROPS (or SP): Dep 16L Arr 34L M5: Dep 16L+R Arr 25 M7: Dep 25 Arr 34L+R M8: Dep 25 34R Arr 34L+R M12: Dep 07 Arr 07 M13: Dep 25 Arr 25

M14A: Dep 16L+R Arr 07 M15: Dep 34R Arr 34L

Precision Runway Monitor (PRM) Operations

In June 2002 at Sydney Airport, Airservices Australia commenced operation of the Precision Runway Monitor (PRM), a highly accurate radar system, to monitor landing operations arriving from the North. PRM landings from the South have been operating since 1999. The PRM supplements the existing Instrument Landing System (ILS), and is only used by Air Traffic Control during poor weather conditions thereby reducing air traffic delays due to weather.

The PRM operation involves two changes in procedure for arrivals from the North (Runway 16)

- Aircraft make their final turn to line up with the runways about 5-10km further north of the airport than during ILS operation.
- Within this extended area aircraft may fly at a fixed altitude of 3000ft (under ILS operation 3000-4000ft).

Airservices Australia conducted a 6 month Noise Monitoring Program from June 2002 until December 2002, which included regular reporting to Environment Australia and the community, to meet the requirements of the Minister for the Environment and Heritage.

Portable Noise Monitors, which were installed in suburbs affected by PRM changes, have since been removed with the cessation of the Noise Monitoring Program.

Nevertheless Airservices Australia Noise Enquiry Service continues to collect daily statistical data relating to PRM operations on Runway 16 and associated issues. Below is a summary of data collected for **December 2008**:

Days on which Runway 16 PRM was used and hours of usage (ATIS time)

Date	PRM		Hours of PRM operation
	Start Time	End Time	
December-08	-	-	-

Number of Runway 16 arrivals during PRM operations and their runway assignment

Date	Number of arrivals on Runway 16 during PRM	Runway assignment	
		16L	16R
December-08	-	-	-

Complaints and complainants by suburb, specifically mentioning PRM operations

Suburb	Number of complaints	Number of complainants
-	-	-

Noise Enquiry Service

The Noise Enquiry Service is a function of Airservices Australia located at Sydney Airport. For more information visit the website at:

www.airservicesaustralia.com

The practices of the Service comply with the requirements of:

The Privacy Act 1988 (Commonwealth)

www.privacy.gov.au

The Telecommunications Act 1997 (Commonwealth)

www.acma.gov.au

The responsibilities of the Service include the recording of complaints, comments and enquiries regarding aircraft operations and noise for flights within Australia.

The Service is available **from 9 am to 5 pm, Monday to Friday** Australian Eastern Standard Time / Eastern Daylight Saving Time. Outside of these hours Voice Mail is used to record these calls. The Service can be contacted by:

telephone	1-800-802-584
facsimile	(02) 9556-6641
e-mail	community.relations@airservicesaustralia.com

In addition complaints can be lodged via the internet at:

www.airservicesaustralia.com/ncm

Complaints received are entered directly into a computer database. Any personal information collected is protected and will not be passed onto any unrelated parties. Statistical information generated from the computer database is produced for this Report, and is also made available to the Sydney Airport Community Forum (SACF). For more information visit the website at:

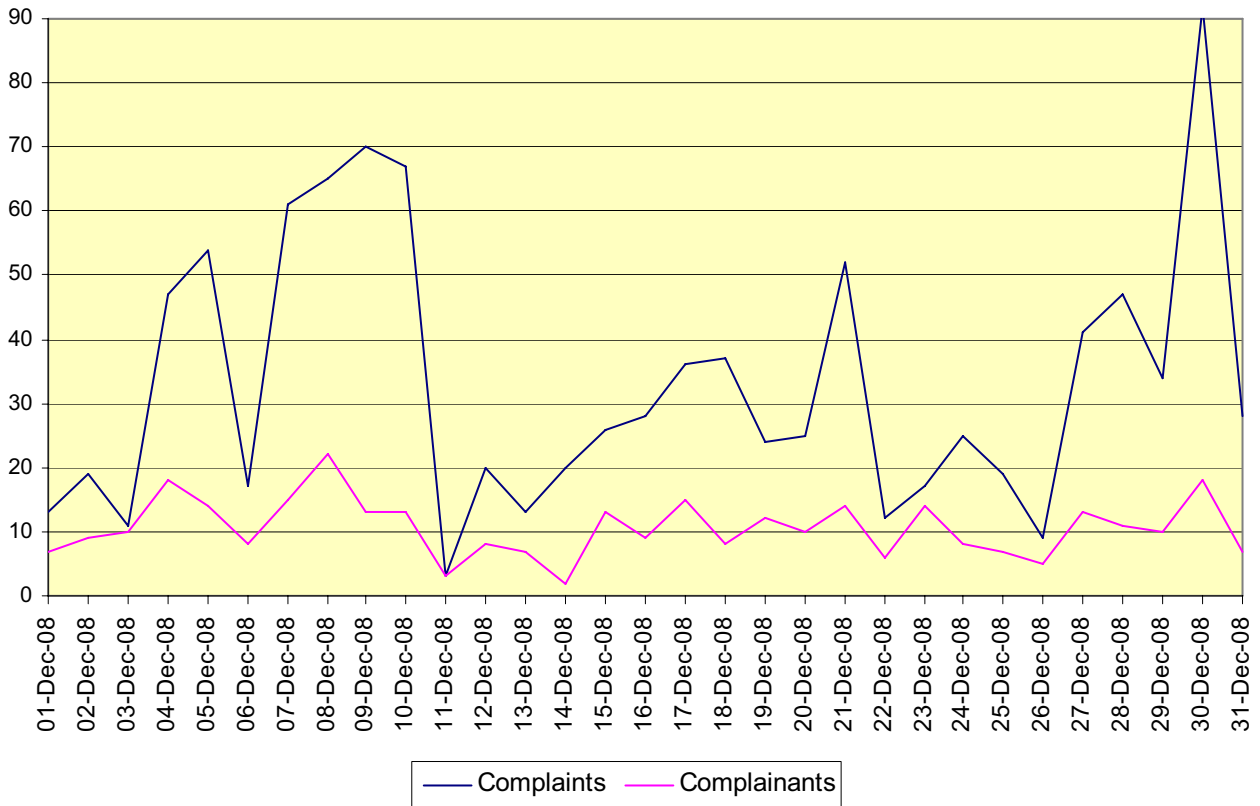
www.sacf.infrastructure.gov.au

Summary of Section Activity – December 2008

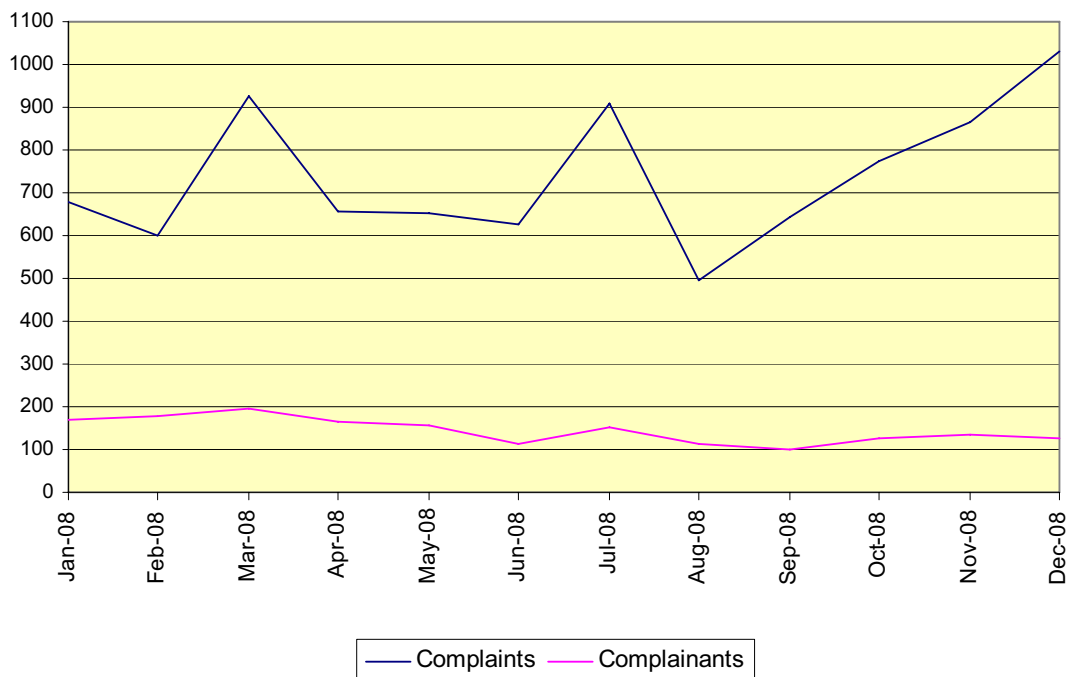
➤ Sydney Suburbs Complaints	
• By phone.....	200
• By correspondence	13
• By internet.....	557
• By e-mail.....	262
➤ Sydney Suburbs Complaints – suburb not specified	10
➤ Sydney Suburbs Comments and Enquiries	46
➤ Other than Sydney Suburbs or Sydney Airport (NSW Only) Complaints.....	79
➤ Other than Sydney Suburbs or Sydney Airport (NSW Only) Comments and Enquiries	10
➤ Callback / Information Requests (NSW Only).....	222

Complaints Graphs

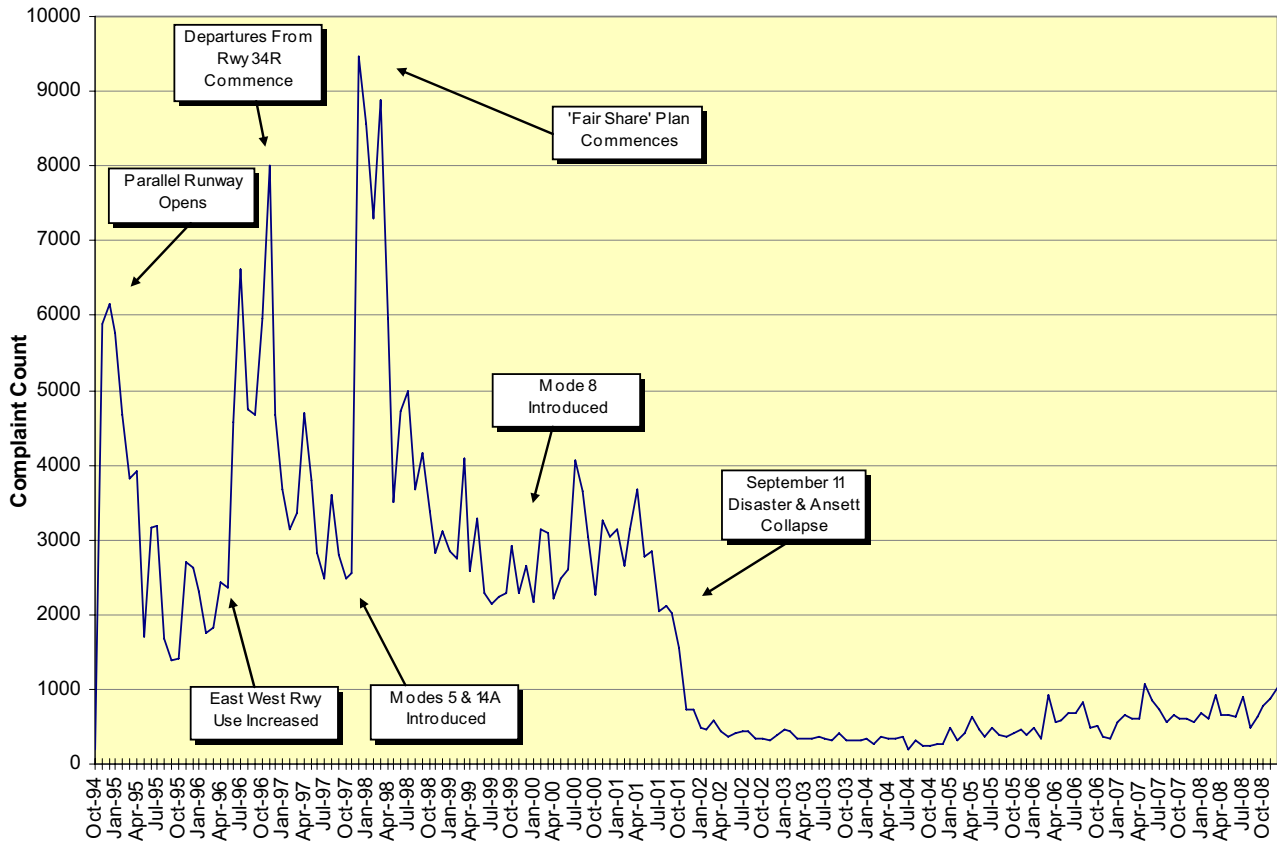
Complaints vs Complainants – 1 December to 31 December 2008



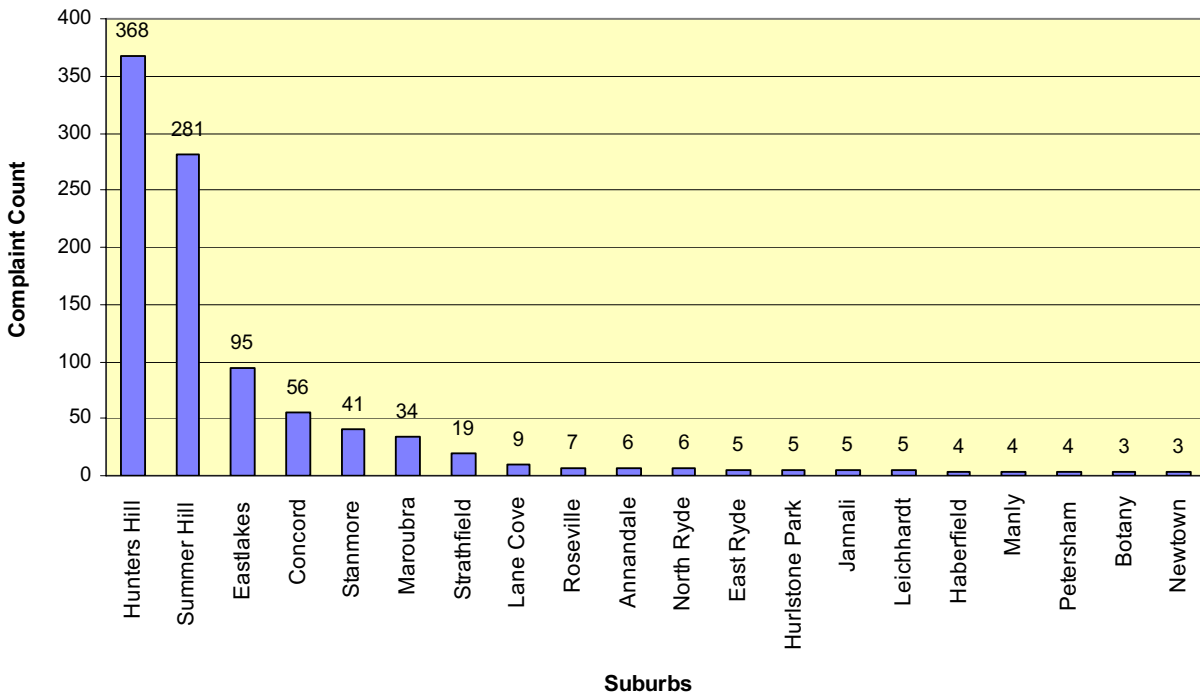
Complaints vs Complainants – Monthly



Complaints History

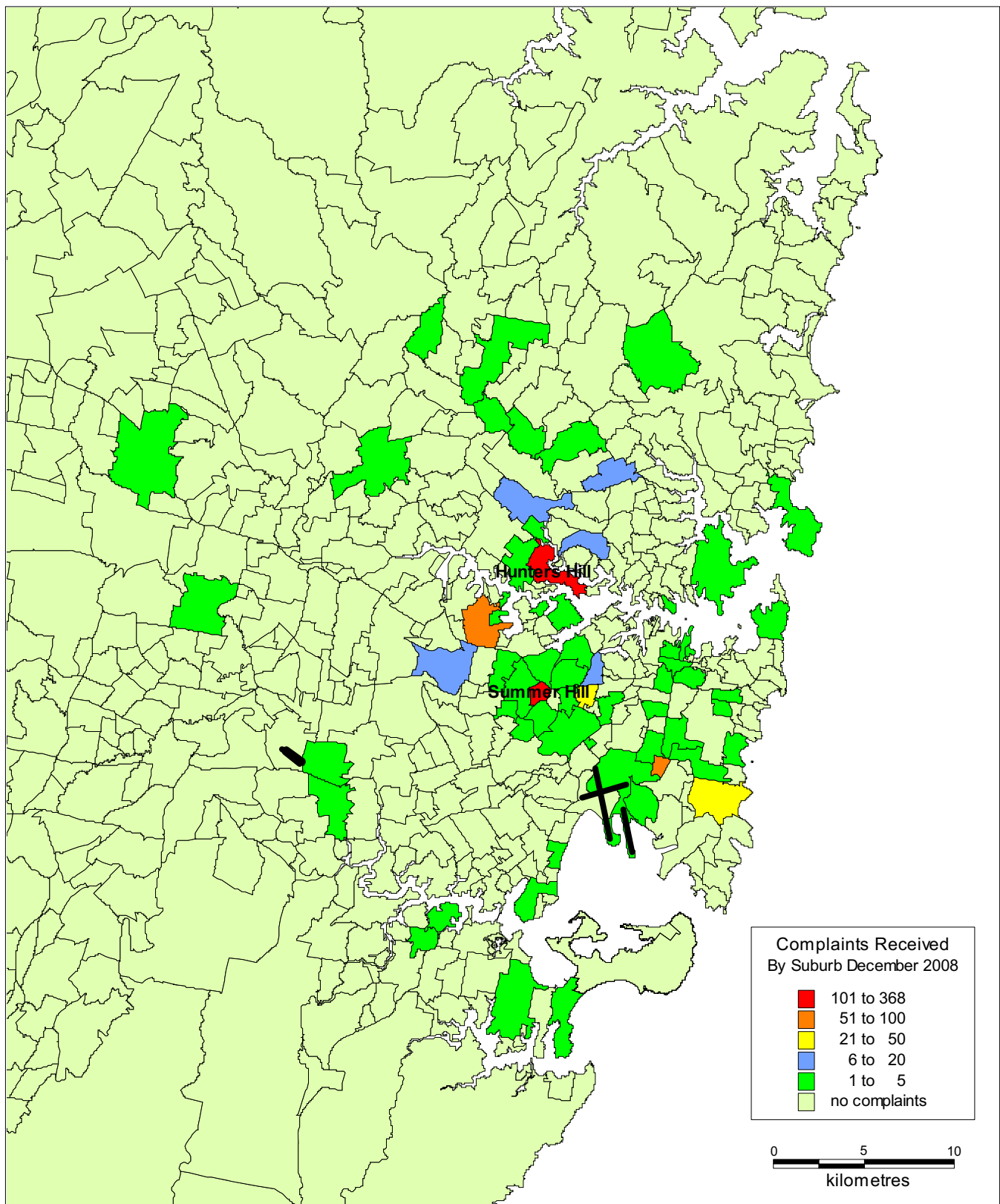


Top Complaint Suburbs – 1 December to 31 December 2008



Complaint Density by Suburb

1 December to 31 December 2008



Recorded Complaints vs Complainants, by Suburb

1 December to 31 December 2008

<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>	<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>
Not Specified	10	7	Leichhardt	5	5
Annandale	6	5	Lilyfield	1	1
Ashbury	1	1	Manly	4	3
Ashfield	1	1	Maroubra	34	6
Belrose	1	1	Marrickville	2	2
Blacktown	1	1	Mascot	2	2
Bondi Junction	2	2	Monterey	1	1
Botany	3	1	Mosman	1	1
Cabarita	2	2	Newtown	3	3
Caringbah	2	1	North Ryde	6	3
Carlingford	1	1	Oyster Bay	1	1
Chiswick	2	1	Paddington	1	1
Concord	56	1	Petersham	4	4
Condell Park	1	1	Potts Point	1	1
Coogee	2	2	Queens Park	1	1
Cronulla	2	1	Revesby	2	2
Croydon	2	2	Rosebery	2	2
Darlinghurst	2	2	Roseville	7	2
Drummoyne	1	1	Sans Souci	1	1
Dulwich Hill	2	2	Smithfield	1	1
East Ryde	5	3	South Turramurra	1	1
Eastlakes	95	2	Stanmore	41	6
Elizabeth Bay	1	1	Strathfield	19	2
Gladesville	1	1	Summer Hill	281	3
Haberfield	4	1	Surry Hills	2	1
Hunters Hill	368	8	Sydenham	1	1
Hurlstone Park	5	1	Vaucluse	1	1
Jannali	5	1	Wahroonga	2	2
Kensington	2	2	Waterloo	1	1
Killara	2	2	West Pymble	1	1
Kingsford	2	2	Westleigh	1	1
Kirribilli	1	1	Woolloomooloo	1	1
Lane Cove	9	2			
Total Complaints	1032		Total Complainants		127

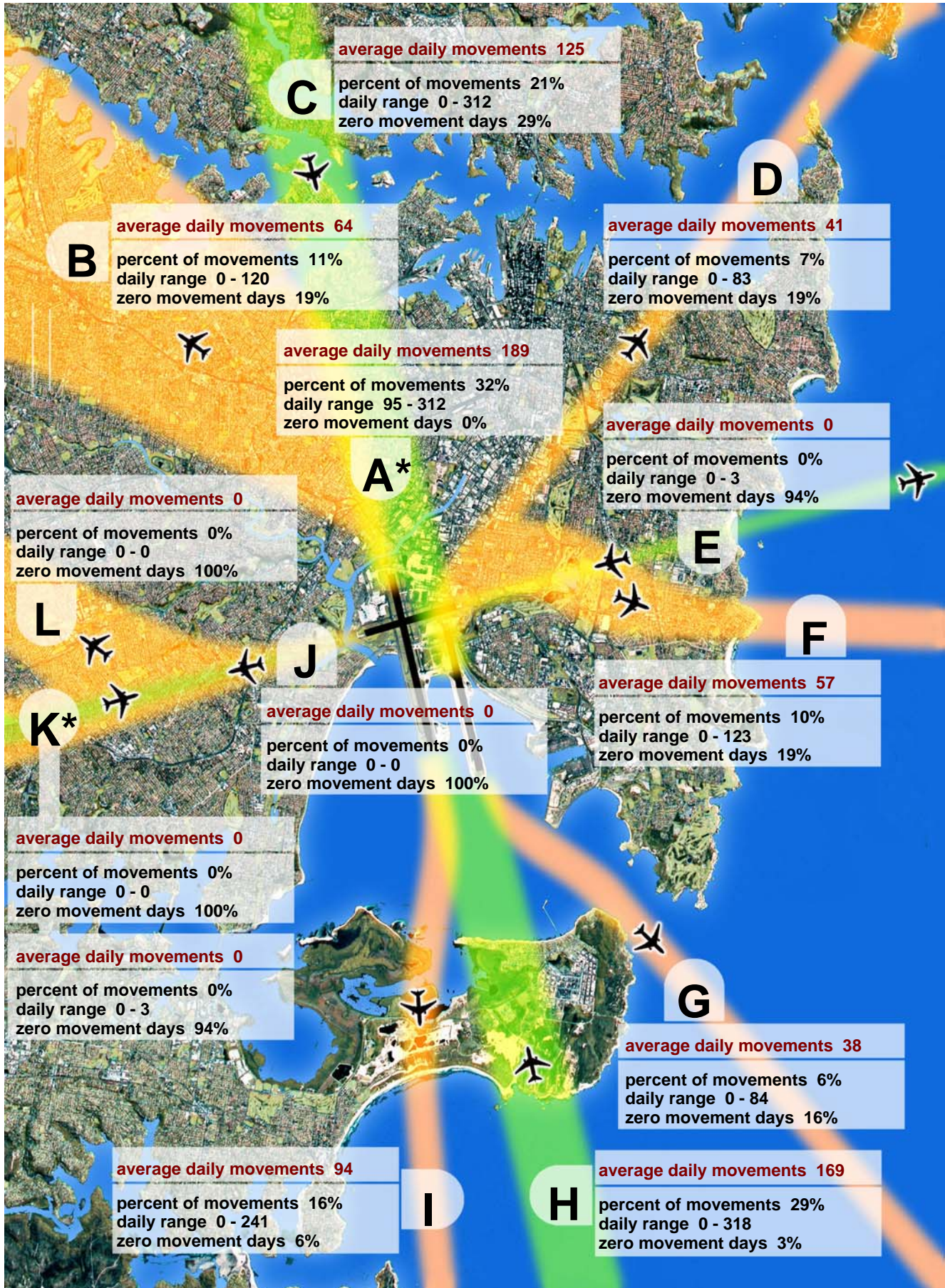
Recorded Complaints vs Complainants, by Locations/Airports Other than Sydney (NSW Only)

1 December to 31 December 2008

<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>	<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>
Albury	1	1	Glenmore Park	1	1
Ballina	1	1	Holsworthy	22	17
Bankstown	25	16	Mangrove Mountain	1	1
Bargo	1	1	Prince of Wales Hospital	1	1
Bathurst	1	1	Richmond	6	5
Camden	6	2	Rushcutters Bay	3	3
Coffs Harbour	1	1	Terrey Hills	2	2
Coraki	1	1	Williamstown	4	4
Forster	1	1	Yelgun	1	1
Total Complaints	79		Total Complainants		60

Sydney Airport : Jet Flight Path Movements

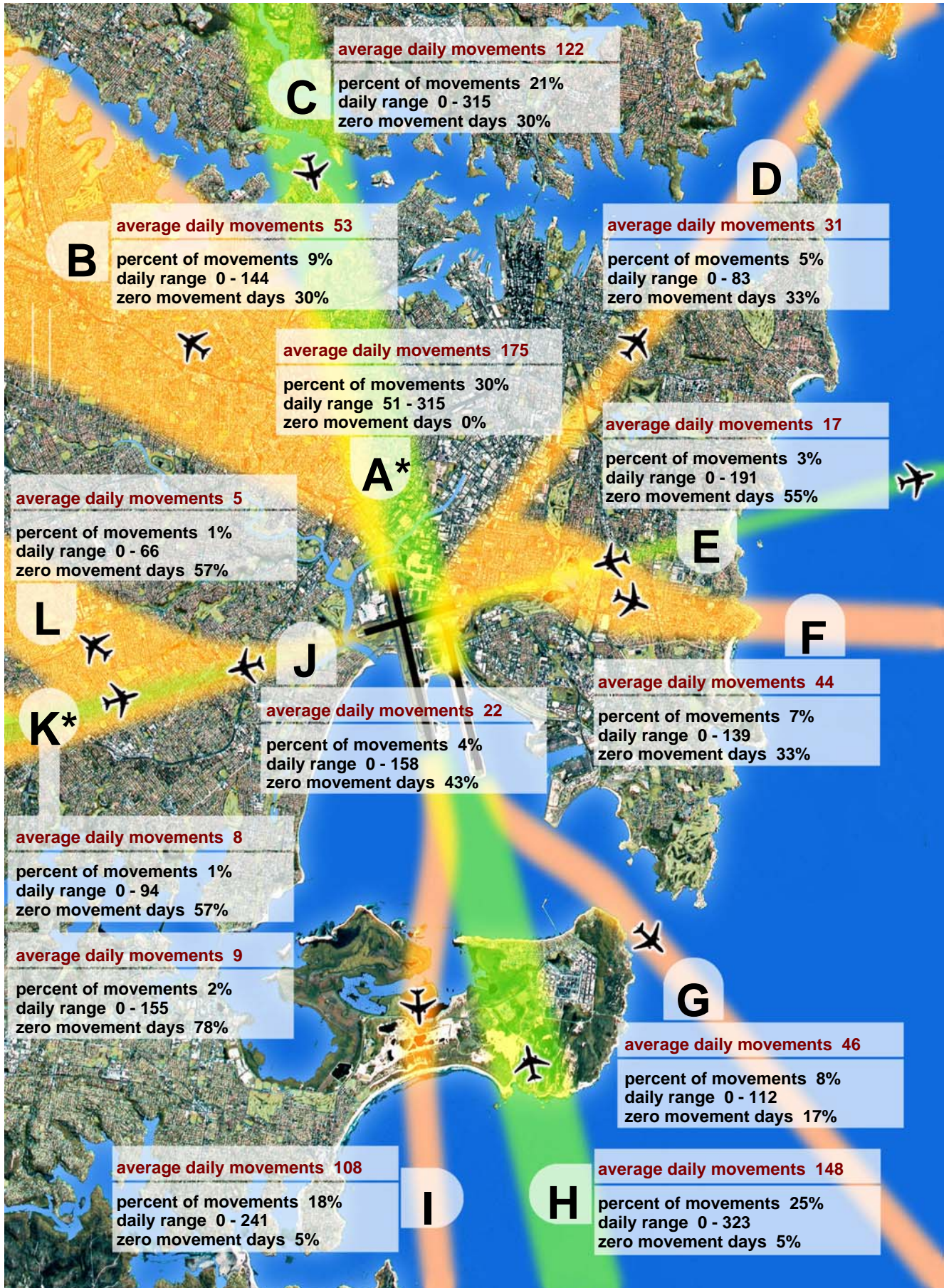
1 Dec 2008 to 31 Dec 2008, All Jets



Note : Track A* is Tracks B and C combined. Track K* shows departures (top box) and arrivals (bottom box).

Sydney Airport : Jet Flight Path Movements

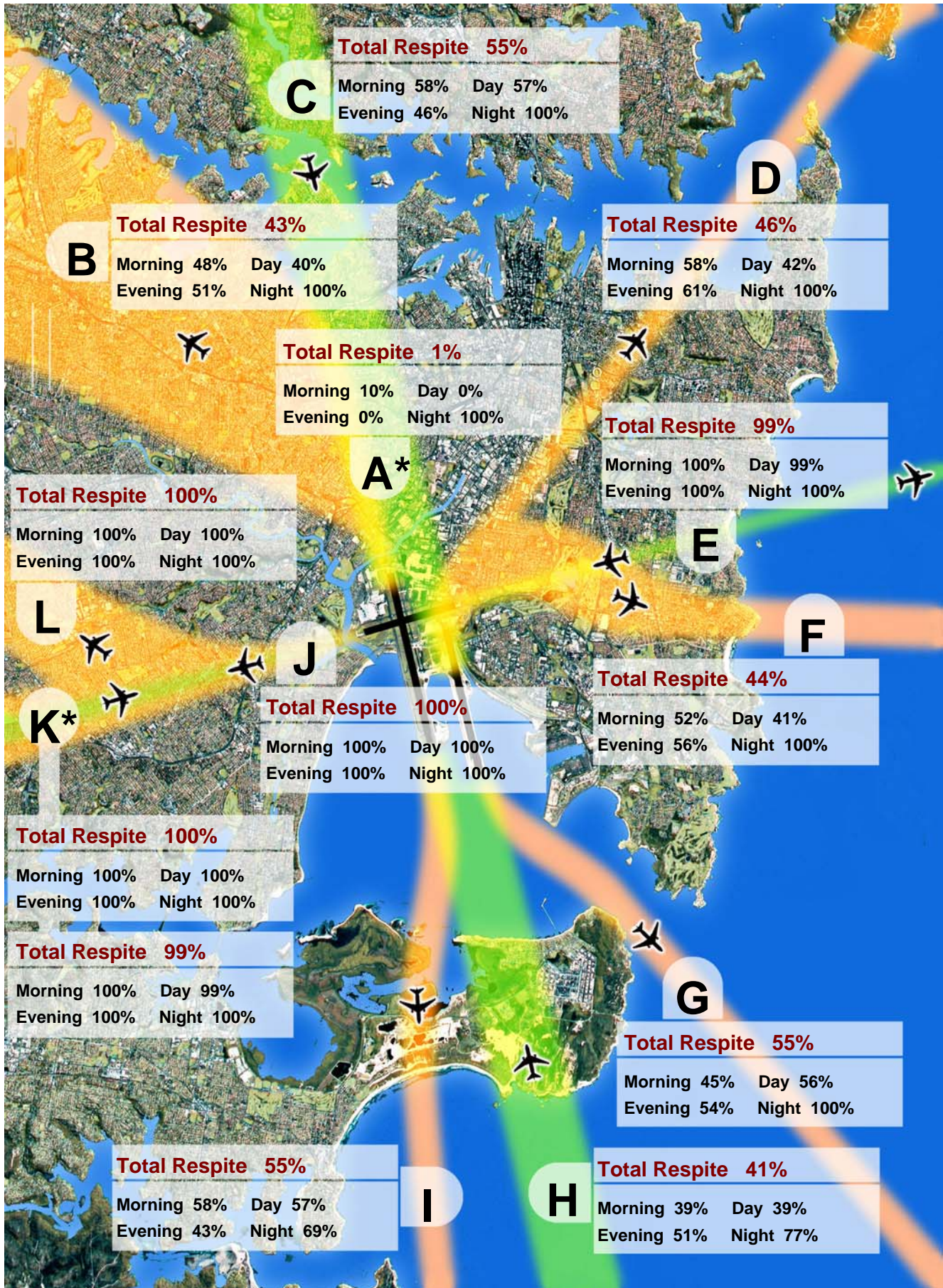
1 Jan 2008 to 31 Dec 2008, All Jets



Note : Track A* is Tracks B and C combined. Track K* shows departures (top box) and arrivals (bottom box).

Sydney Airport : Jet Aircraft Respite (R60)

1 Dec 2008 to 31 Dec 2008, All Jets



Note : Track A* is Tracks B and C combined. Track K* shows departures (top box) and arrivals (bottom box).

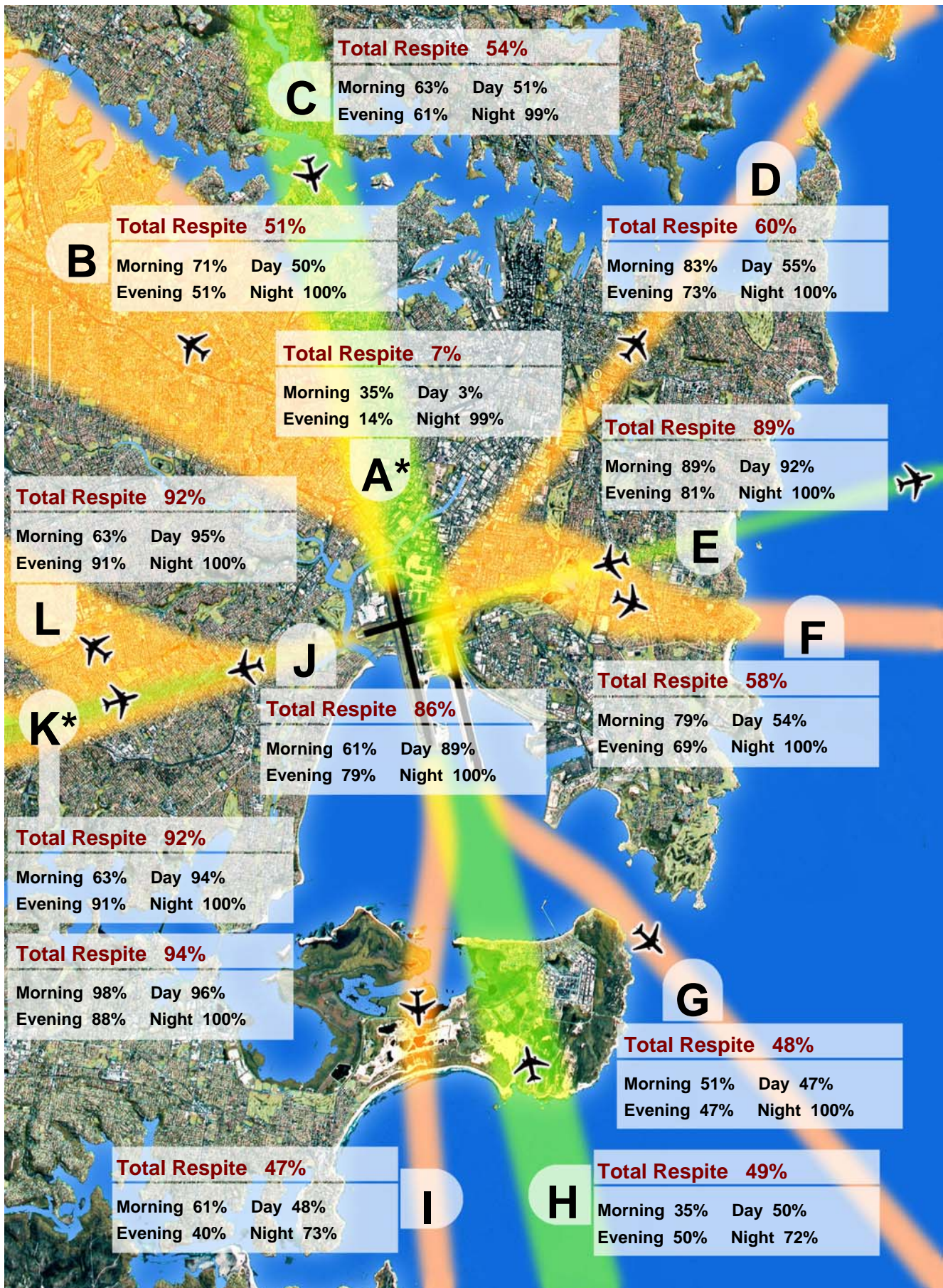
A respite interval is a 60 minute period when there are no jet movements (R60).

Morning: 06:00 to 07:00 Day: 07:00 to 20:00 Evening: 20:00 to 23:00 Night: 23:00 to 06:00

Total Respite: 06:00 to 23:00

Sydney Airport : Jet Aircraft Respite (R60)

1 Jan 2008 to 31 Dec 2008, All Jets



Note : Track A* is Tracks B and C combined. Track K* shows departures (top box) and arrivals (bottom box).

A respite interval is a 60 minute period when there are no jet movements (R60).

Morning: 06:00 to 07:00 Day: 07:00 to 20:00 Evening: 20:00 to 23:00 Night: 23:00 to 06:00

Total Respite: 06:00 to 23:00

Sydney Airport - Jet Flight Path Movements (Explanation)

The flight path bands depicted in the diagram are indicative only and are used to illustrate how the noise is being shared. Some flight tracks will be outside the bands indicated.

- The diagram shows only jet flight tracks and movements. Propeller flight tracks and movements are not shown.
- Percentages and average daily movement numbers have been rounded.
- The information presented in the movements and respite summary statistics sheets is derived from preliminary Aviation Data Processor data and is subject to change.

	Description	Notes
A	Inner north	
	Arrivals from and departures to the north (L16L, L16R, D34L)	
B	North-west	Area mainly gets overflights (departures) from Mode 9 . Due to seasonal changes in wind patterns the highest use of this Mode was in March 2008 .
	Departures off runway 34L	
C	North shore	Area mainly gets overflights (arrivals) from Mode 10 . Due to seasonal changes in wind patterns the highest use of this Mode was in April 2008 .
	Arrivals from the north on runways 16L and 16R	
D	North-east	Area gets overflights (departures) from Modes 9 & 15. Due to seasonal changes in wind patterns the highest use of Mode 9 was in March 2008 and Mode 15 in December 2008 .
	Departures off runway 34R to the north-east	
E	East - Coogee	Area mainly gets overflights (arrivals) from Mode 5 . Due to seasonal changes in wind patterns the highest use of this Mode was in May 2008 .
	Arrivals on runway 25 and departures from runway 07	
F	East - Maroubra	Area gets overflights (departures) from Modes 9 & 15. Due to seasonal changes in wind patterns the highest use of Mode 9 was in March 2008 and Mode 15 in December 2008 .
	Departures from runway 34R that turn hard east	
G	South - Botany Bay Heads	
	Departures from runway 16L	
H	South - Kurnell Peninsula	Area gets overflights (arrivals) from Modes 9 & 7. Due to seasonal changes in wind patterns the highest use of Mode 9 was in March 2008 and Mode 7 was in July 2008 .
	Arrivals on runways 34L and 34R	
I	South - Kurnell sand hills	
	Departures from runway 16R	
J, K & L	West	Area mainly gets overflights from Modes 7 & 8 (departures) and Mode 14A (arrivals). Due to seasonal changes in wind patterns the highest use of Mode 7 was in July 2008 , Mode 14A in January 2008 and Mode 8 was not used during the past 12 months.
	Arrivals on runway 07 and departures from runway 25	

Sydney Airport - Jet Aircraft Respite (R60) (Explanation)

Respite

The respite figures in the map are based on the concept of a **respite hour** being a **whole clock hour** where there are **no aircraft movements**.

Total Respite takes into account all 7 days of the week and is based on the total number of clock hours during the period 6am to 11pm, for the period **January 2008 to December 2008**, during which there were no movements.

Morning Respite is based on the above criteria for the period 6am to 7am for all 7 days of the week.

Day Respite is based on the above criteria for the period 7am to 8pm for all 7 days of the week.

Evening Respite is based on the above criteria for the period 8pm to 11pm for all 7 days of the week.

Curfew (Night) Respite is based on the above criteria for the period 11pm to 6am for all 7 days of the week.

The percentage figure for a category of respite refers to the proportion of the total possible number of respite hours for that category for the date period. For example, the Jet Aircraft Respite Hours map (for the last rolling year) shows that **flight path D has Total Respite hours 60%**. This means that over the period **January 2008 to December 2008 for 60%** of the total clock hours between 6am and 11pm there were no movements on that flight path.

Notes

- **Propeller movements have not been taken into account.**
- The information presented in the map is derived from preliminary Aviation Data Processor data and is subject to change.
- The flight path bands depicted in the map are indicative only and are used to illustrate the extent of respite in different areas. Some jet movements will be outside the bands indicated.

Measured Daily N70 Values

Description

Airservices Australia maintains and operates a Noise and Flight path Monitoring System (NFPMS) at all the major Australian airports. The Environment Services Branch at Airservices Australia's head office located in Canberra regularly reports on aircraft flight paths and noise for each major Airport. The data appearing here is a summary of the N70 noise data for Sydney airport for December 2008.

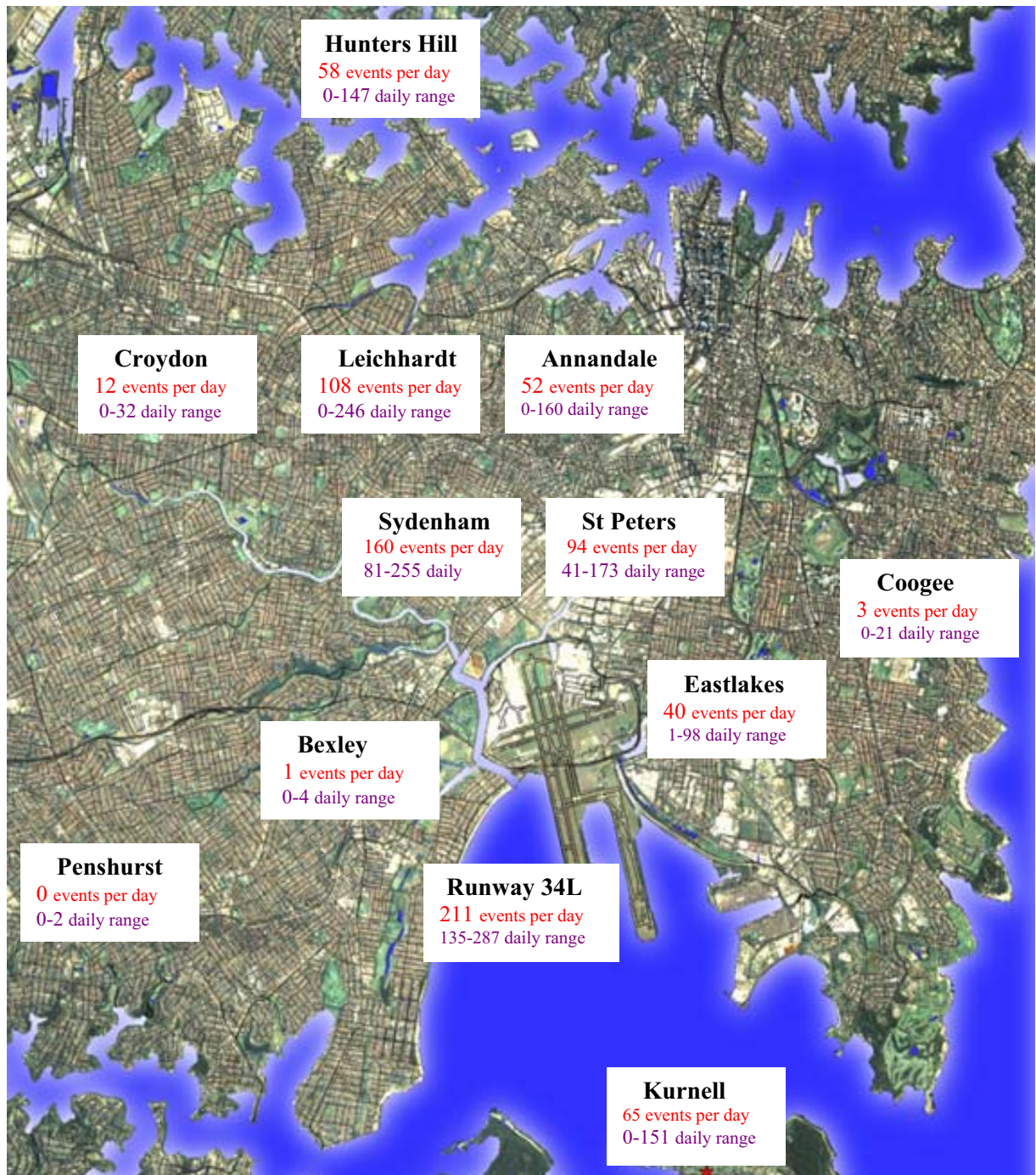


Figure 1. NMT sites about Sydney Airport and the daily N70 values for the month of December 2008

The measured daily N70 value is the average daily number of aircraft noise events whose maximum noise level (L_{Amax}) equals or exceeds 70dBA.

The daily N70 values for the various NMTs and their positions in Sydney are displayed in Figure 1. The total number of Correlated Noise Events (CNE) and the number of days each NMT was operational during December 2008 along with the Daily N70 values for the three months up to and including December are given in Table 1.

<i>Location</i>	<i>CNE Dec</i>	<i>Operational days Dec</i>	<i>N70 Dec</i>	<i>N70 Nov</i>	<i>N70 Oct</i>
<i>Runway 34L</i>	5,816	26.2	211	200	214
<i>Penshurst</i>	42	31.0	0	1	2
<i>Bexley</i>	44	31.0	1	1	5
<i>Eastlakes</i>	1,299	31.0	40	47	49
<i>Coogee</i>	109	31.0	3	3	11
<i>Sydenham</i>	4,963	31.0	160	159	174
<i>Leichhardt</i>	3,351	31.0	108	107	123
<i>Kurnell</i>	2,019	31.0	65	76	66
<i>Annandale</i>	1,678	30.1	52	58	72
<i>St Peters</i>	2,966	31.0	94	88	105
<i>Croydon</i>	429	31.0	12	15	11
<i>Hunters Hill</i>	3,224	31.0	58	50	58

Table 1 Results for each Noise Monitoring Terminal for the three months up to and including December 2008

The N70 values for December 2008 have also been calculated for six different periods:

- Morning N70 value (AM), correlated noise events between 6:00am and 7:00am.
- Evening N70 value (PM), between 8:00pm and 11:00pm.
- Daytime N70 value (Day), between 7:00am and 8:00pm
- Night N70 value (Night), between 11:00pm and 6:00am
- Weekend Day N70 value (WE_D), between 6:00am and 11:00pm Saturday and Sunday.
- Weekend Night N70 value (WE_N), between midnight Friday to 6:00am Saturday, 11:00pm Saturday to 6:00am Sunday and 11:00pm to midnight on Sunday

These results are contained in Table 2.

Runway 34L AM 9 PM 29 Day 170 Night 13 WE_D 177 WE_N 2	Penshurst AM 0 PM 0 Day 0 Night 0 WE_D 0 WE_N 0	Bexley AM 0 PM 0 Day 0 Night 0 WE_D 1 WE_N 0	Eastlakes AM 1 PM 5 Day 38 Night 0 WE_D 27 WE_N 0
Coogee AM 0 PM 0 Day 2 Night 0 WE_D 5 WE_N 0	Sydenham AM 6 PM 22 Day 132 Night 1 WE_D 159 WE_N 1	Leichhardt AM 4 PM 17 Day 82 Night 1 WE_D 119 WE_N 0	Kurnell AM 0 PM 2 Day 66 Night 0 WE_D 53 WE_N 0
Annandale AM 1 PM 8 Day 44 Night 0 WE_D 49 WE_N 0	St Peters AM 1 PM 12 Day 82 Night 0 WE_D 87 WE_N 0	Croydon AM 0 PM 1 Day 10 Night 0 WE_D 11 WE_N 0	Hunters Hill AM 4 PM 9 Day 43 Night 0 WE_D 62 WE_N 0

Table 2. N70 values for the different periods of the day.

Due to normal maintenance activities and occasional upgrading of the system any one NMT may not have been operational for the entire sample period. As a result the average at each NMT is performed only for the period in which the NMT was operating; this ensures the daily N70 figure is not influenced by NMT downtime.

DISCLAIMER

The Sydney Airport Operational Statistics report contains a summary of data collected over the specified period and is intended to convey the best information available at the time from the Noise and Flight Path Monitoring System (NFPMS), Aviation Data Processor (ADP), Noise Complaint Monitoring System (NCMS) and Transparent Noise Information Package (TNIP). These system databases and programs are to some extent dependent upon external sources and errors may occur. All care is taken in preparation of the report but its complete accuracy cannot be guaranteed. Airservices Australia does not accept any legal liability for any losses arising from reliance upon data in this report which may be found to be inaccurate.