



AIRSERVICES AUSTRALIA

Sydney Airport Operational Statistics December 2011

Produced by Environmental Services

PREVIEW

Sydney Airport Operational Statistics Report Preview

December 2011

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

There were a total of 25,652 aircraft movements this month (daily average 827.48). Last month there were a total of 25,567 movements (daily average 852.23) and for the same month last year there were a total of 26,033 movements (daily average 839.77).

Mode Utilisation (refer pages 11 & 13)

Individual mode use in excess of 9 hours occurred on 23 days this month, Mode 9 on 4 days and Mode 10 on 19 days. Crossing runway modes (including Sodprops) were used for 22.15% of non Curfew hours.

Mode 15 was introduced during RESA works (commenced October 2008) and ceased being used at the completion of RESA (April 2010).

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. This month's results are as follows:

North 37.34% - This result is above the LTOP target and above the previous month (30.54%)

South 51.32%- This result is below the LTOP target and above the previous month (50.58%)

East 7.90% - This result is below the LTOP target and below the previous month (14.78%)

West 3.41% - This result is below the LTOP target and below the previous month (4.08%)

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

This procedure was used on 2, 8, 13 and 23 December for a total of 6 hours and 16 minutes (ATIS time).

Noise Complaints & Information Service (refer pages 15-20)

A total of 1717 complaints, comments and enquiries were received as follows:

1628 Sydney suburbs complaints from 157 complainants

20 Sydney suburbs comments and enquiries

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

Noise Complaints & Information Service Environmental Services Airservices Australia

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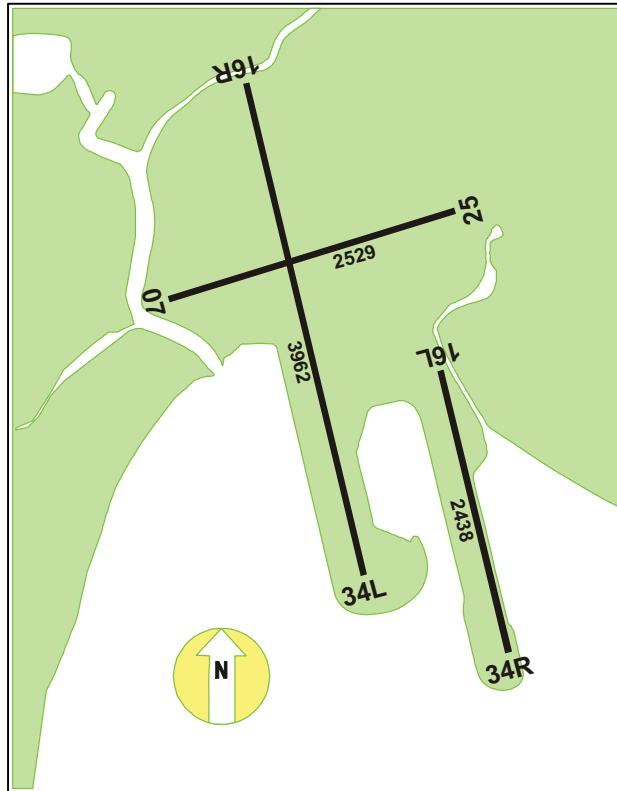
This report is available on the Internet at Airservices Australia website at

www.airservicesaustralia.com

click on “Publications”.

* This information is produced using Airservices Australia’s Noise and Flight Path Monitoring System and the TNIP software package developed by the Department of Infrastructure and Transport.

Sydney Airport Runways



Runway numbers refer to the direction an aircraft is flying.

Runway 16R/34L Main North-South runway
 Runway 16L/34R Parallel North-South runway.
 Runway 07/25 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)

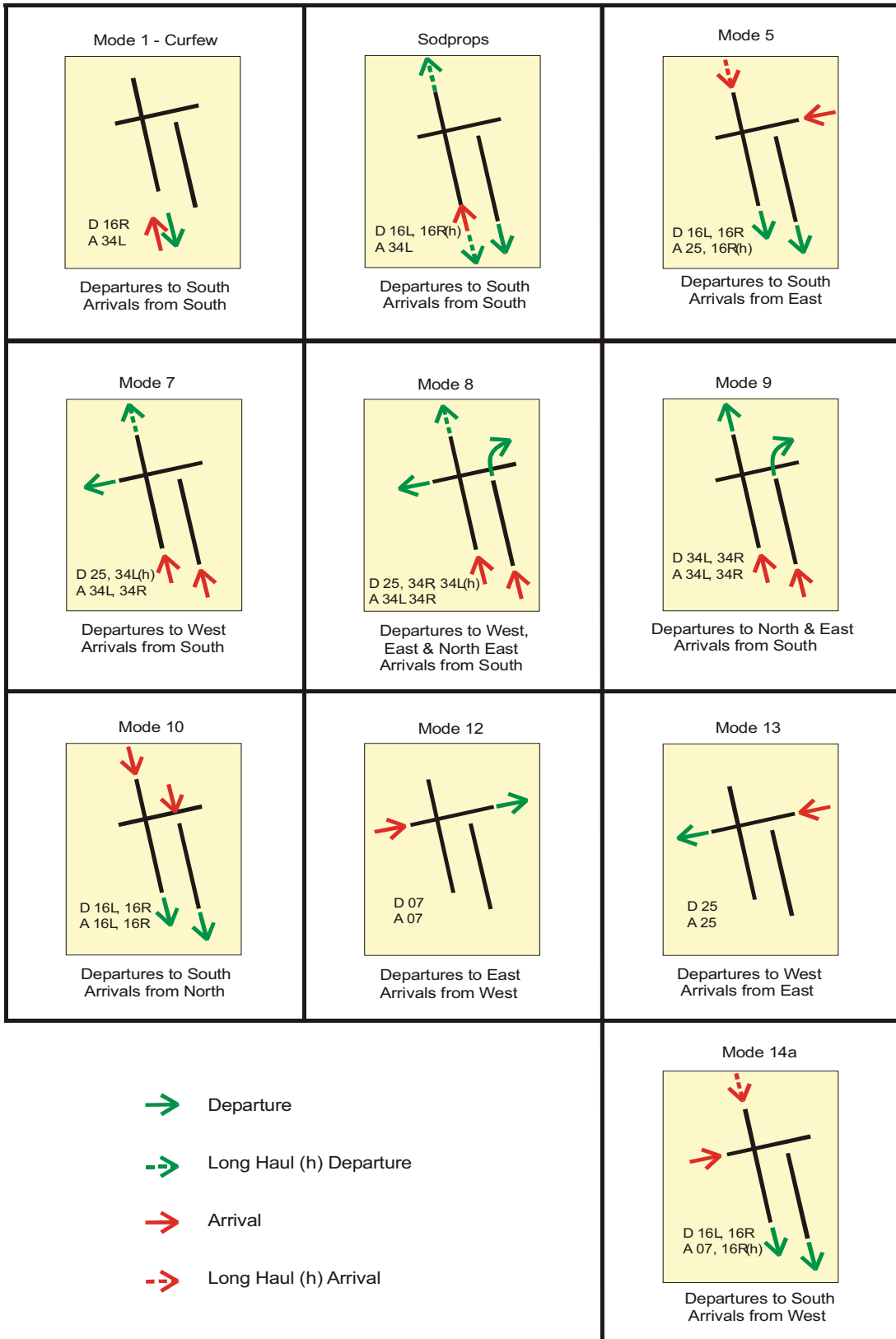
Movements over the North =16L(arr) + 16R(arr) + 34L(dep)

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 1 July 2010 (LOA 3181 V1)

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 16L&R / Arrivals 34L (Shoulder Curfew). If traffic permits.
	3.	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)
	4.	34 (Mode 9) or 16 (Mode 10)
	5.	07 (Mode 12) or 25 (Mode 13)
0700 to 2245	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 (Mandatory) / Arrivals 34L
	2.	Departures 16L&R (Mandatory) / Arrivals 34L (Shoulder Curfew) 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 Saturday	1.	SODPROPS - Departures 16L / Arrivals 34L
0600 to 0800 Sunday	2.	Departures 16L&R / Arrivals 34L (Shoulder Curfew). If traffic permits.
	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 Saturday	1.	SODPROPS - Departures 16L / Arrivals 34L
0800 to 2200 Sunday	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 (Mandatory) / Arrivals 34L
	2.	Departures 16L&R (Mandatory) / Arrivals 34L (Shoulder Curfew) 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 (Mandatory) / Arrivals 34L
	2.	Departures 16L&R (Mandatory) / Arrivals 34L (Shoulder Curfew) 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)

Runway Movement Summary – All Aircraft

Date	Runway 07			Runway 16 Left			Runway 16 Right			Runway 25			Runway 34 Left			Runway 34 Right			Unknown Runway			Day
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	
01-Dec-11	57	0	57	180	129	309	233	337	570	0	1	1	4	0	4	0	0	0	0	0	0	941
02-Dec-11	0	0	0	166	135	301	244	324	568	46	0	46	4	0	4	0	0	0	0	0	0	919
03-Dec-11	2	1	3	59	90	149	102	112	214	0	0	0	193	86	279	3	53	56	0	0	0	701
04-Dec-11	0	0	0	136	120	256	206	287	493	40	1	41	10	2	12	0	0	0	0	0	0	802
05-Dec-11	1	0	1	186	130	316	250	319	569	8	2	10	2	0	2	0	0	0	0	0	0	898
06-Dec-11	52	0	52	171	134	305	221	323	544	6	3	9	6	0	6	0	0	0	0	0	0	916
07-Dec-11	43	0	43	151	126	277	190	310	500	39	0	39	9	0	9	0	0	0	0	0	0	868
08-Dec-11	1	0	1	137	114	251	192	284	476	58	0	58	51	14	65	29	42	71	0	0	0	922
09-Dec-11	170	0	170	121	128	249	158	333	491	5	1	6	2	0	2	0	0	0	0	0	0	918
10-Dec-11	9	0	9	92	79	171	168	179	347	0	0	0	69	42	111	22	40	62	0	0	0	700
11-Dec-11	6	3	9	35	100	135	61	69	130	1	0	1	221	131	352	61	99	160	0	0	0	787
12-Dec-11	0	0	0	176	131	307	217	311	528	46	1	47	1	0	1	0	0	0	0	0	0	883
13-Dec-11	0	0	0	153	134	287	245	308	553	40	0	40	5	0	5	0	0	0	0	0	0	885
14-Dec-11	41	0	41	153	128	281	241	319	560	4	0	4	6	0	6	0	0	0	0	0	0	892
15-Dec-11	83	0	83	149	129	278	222	330	552	0	0	0	17	4	21	0	6	6	0	0	0	940
16-Dec-11	83	0	83	149	128	277	216	329	545	11	1	12	3	0	3	0	0	0	0	0	0	920
17-Dec-11	68	0	68	63	101	164	188	223	411	0	1	1	39	18	57	0	0	0	0	0	0	701
18-Dec-11	0	0	0	0	48	48	2	2	4	0	0	0	271	179	450	103	164	267	0	0	0	769
19-Dec-11	2	0	2	0	0	0	0	8	8	0	0	0	264	199	463	161	220	381	0	0	0	854
20-Dec-11	0	0	0	131	119	250	184	303	487	112	2	114	11	0	11	0	0	0	0	0	0	862
21-Dec-11	43	0	43	157	135	292	218	304	522	7	0	7	6	0	6	0	0	0	0	0	0	870
22-Dec-11	50	0	50	107	93	200	149	219	368	8	0	8	87	59	146	46	75	121	0	0	0	893
23-Dec-11	8	0	8	101	87	188	140	191	331	14	0	14	114	83	197	69	85	154	0	0	0	892
24-Dec-11	3	0	3	29	90	119	43	36	79	0	1	1	251	141	392	46	79	125	0	0	0	719
25-Dec-11	3	1	4	0	23	23	0	5	5	0	1	1	281	128	409	15	149	164	0	0	0	606
26-Dec-11	0	0	0	19	7	26	32	33	65	0	3	3	253	147	400	74	195	269	0	0	0	763
27-Dec-11	0	0	0	128	117	245	224	278	502	42	1	43	0	0	0	0	0	0	0	0	0	790
28-Dec-11	0	0	0	130	115	245	225	280	505	36	0	36	4	0	4	0	0	0	0	0	0	790
29-Dec-11	1	0	1	90	117	207	144	286	430	169	2	171	4	0	4	0	0	0	0	0	0	813
30-Dec-11	93	0	93	95	110	205	162	282	444	40	0	40	5	0	5	0	0	0	0	0	0	787
31-Dec-11	35	1	36	44	44	88	88	113	201	0	2	2	117	75	192	50	82	132	0	0	0	651
Total	854	6	860	3308	3141	6449	4965	7037	12002	732	23	755	2310	1308	3618	679	1289	1968	0	0	0	25652

Runway Movement Summary – Jet Aircraft Only

Date	Runway 07			Runway 16 Left			Runway 16 Right			Runway 25			Runway 34 Left			Runway 34 Right			Unknown Runway			Day
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	
01-Dec-11	47	0	47	102	84	186	191	251	442	0	1	1	2	0	2	0	0	0	0	0	0	678
02-Dec-11	0	0	0	102	90	192	187	241	428	39	0	39	3	0	3	0	0	0	0	0	0	662
03-Dec-11	2	0	2	33	68	101	83	84	167	0	0	0	152	68	220	3	49	52	0	0	0	542
04-Dec-11	0	0	0	91	87	178	166	217	383	38	1	39	10	2	12	0	0	0	0	0	0	612
05-Dec-11	0	0	0	113	88	201	200	240	440	7	1	8	2	0	2	0	0	0	0	0	0	651
06-Dec-11	44	0	44	96	87	183	179	242	421	5	2	7	5	0	5	0	0	0	0	0	0	660
07-Dec-11	31	0	31	92	87	179	154	229	383	29	0	29	7	0	7	0	0	0	0	0	0	629
08-Dec-11	0	0	0	78	75	153	152	207	359	51	0	51	45	7	52	12	36	48	0	0	0	663
09-Dec-11	127	0	127	68	87	155	126	246	372	5	1	6	2	0	2	0	0	0	0	0	0	662
10-Dec-11	6	0	6	55	54	109	134	140	274	0	0	0	61	33	94	15	37	52	0	0	0	535
11-Dec-11	3	1	4	29	88	117	56	49	105	0	0	0	171	85	256	40	78	118	0	0	0	600
12-Dec-11	0	0	0	95	89	184	189	237	426	36	0	36	0	0	0	0	0	0	0	0	0	646
13-Dec-11	0	0	0	88	89	177	199	232	431	35	0	35	4	0	4	0	0	0	0	0	0	647
14-Dec-11	36	0	36	89	85	174	191	241	432	4	0	4	4	0	4	0	0	0	0	0	0	650
15-Dec-11	55	0	55	93	87	180	181	243	424	0	0	0	12	4	16	0	6	6	0	0	0	681
16-Dec-11	63	0	63	84	85	169	174	246	420	10	0	10	2	0	2	0	0	0	0	0	0	664
17-Dec-11	57	0	57	37	74	111	145	183	328	0	0	0	36	16	52	0	0	0	0	0	0	548
18-Dec-11	0	0	0	0	43	43	0	0	0	0	0	0	225	122	347	72	135	207	0	0	0	597
19-Dec-11	0	0	0	0	0	0	0	6	6	0	0	0	212	127	339	102	181	283	0	0	0	628
20-Dec-11	0	0	0	70	78	148	158	238	396	91	1	92	6	0	6	0	0	0	0	0	0	642
21-Dec-11	36	0	36	102	93	195	169	228	397	6	0	6	4	0	4	0	0	0	0	0	0	638
22-Dec-11	44	0	44	64	60	124	115	172	287	7	0	7	68	30	98	30	63	93	0	0	0	653
23-Dec-11	6	0	6	57	58	115	115	139	254	7	0	7	92	54	146	44	70	114	0	0	0	642
24-Dec-11	1	0	1	16	74	90	40	28	68	0	1	1	202	107	309	27	66	93	0	0	0	562
25-Dec-11	0	0	0	0	22	22	0	3	3	0	0	0	249	106	355	12	136	148	0	0	0	528
26-Dec-11	0	0	0	17	7	24	31	30	61	0	0	0	208	103	311	52	168	220	0	0	0	616
27-Dec-11	0	0	0	83	81	164	181	221	402	38	0	38	0	0	0	0	0	0	0	0	0	604
28-Dec-11	0	0	0	87	81	168	185	228	413	31	0	31	3	0	3	0	0	0	0	0	0	615
29-Dec-11	0	0	0	57	85	142	118	221	339	133	1	134	3	0	3	0	0	0	0	0	0	618
30-Dec-11	70	0	70	66	79	145	137	230	367	36	0	36	2	0	2	0	0	0	0	0	0	620
31-Dec-11	31	0	31	31	32	63	78	96	174	0	0	0	94	60	154	36	73	109	0	0	0	531
Total	659	1	660	1995	2197	4192	4034	5368	9402	608	9	617	1886	924	2810	445	1098	1543	0	0	0	19224

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			Unknown Runway			Day
	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	
01-Dec-11	10	0	10	78	45	123	42	86	128	0	0	0	2	0	2	0	0	0	0	0	0	263
02-Dec-11	0	0	0	64	45	109	57	83	140	7	0	7	1	0	1	0	0	0	0	0	0	257
03-Dec-11	0	1	1	26	22	48	19	28	47	0	0	0	41	18	59	0	4	4	0	0	0	159
04-Dec-11	0	0	0	45	33	78	40	70	110	2	0	2	0	0	0	0	0	0	0	0	0	190
05-Dec-11	1	0	1	73	42	115	50	79	129	1	1	2	0	0	0	0	0	0	0	0	0	247
06-Dec-11	8	0	8	75	47	122	42	81	123	1	1	2	1	0	1	0	0	0	0	0	0	256
07-Dec-11	12	0	12	59	39	98	36	81	117	10	0	10	2	0	2	0	0	0	0	0	0	239
08-Dec-11	1	0	1	59	39	98	40	77	117	7	0	7	6	7	13	17	6	23	0	0	0	259
09-Dec-11	43	0	43	53	41	94	32	87	119	0	0	0	0	0	0	0	0	0	0	0	0	256
10-Dec-11	3	0	3	37	25	62	34	39	73	0	0	0	8	9	17	7	3	10	0	0	0	165
11-Dec-11	3	2	5	6	12	18	5	20	25	1	0	1	50	46	96	21	21	42	0	0	0	187
12-Dec-11	0	0	0	81	42	123	28	74	102	10	1	11	1	0	1	0	0	0	0	0	0	237
13-Dec-11	0	0	0	65	45	110	46	76	122	5	0	5	1	0	1	0	0	0	0	0	0	238
14-Dec-11	5	0	5	64	43	107	50	78	128	0	0	0	2	0	2	0	0	0	0	0	0	242
15-Dec-11	28	0	28	56	42	98	41	87	128	0	0	0	5	0	5	0	0	0	0	0	0	259
16-Dec-11	20	0	20	65	43	108	42	83	125	1	1	2	1	0	1	0	0	0	0	0	0	256
17-Dec-11	11	0	11	26	27	53	43	40	83	0	1	1	3	2	5	0	0	0	0	0	0	153
18-Dec-11	0	0	0	0	5	5	2	2	4	0	0	0	46	57	103	31	29	60	0	0	0	172
19-Dec-11	2	0	2	0	0	0	0	2	2	0	0	0	52	72	124	59	39	98	0	0	0	226
20-Dec-11	0	0	0	61	41	102	26	65	91	21	1	22	5	0	5	0	0	0	0	0	0	220
21-Dec-11	7	0	7	55	42	97	49	76	125	1	0	1	2	0	2	0	0	0	0	0	0	232
22-Dec-11	6	0	6	43	33	76	34	47	81	1	0	1	19	29	48	16	12	28	0	0	0	240
23-Dec-11	2	0	2	44	29	73	25	52	77	7	0	7	22	29	51	25	15	40	0	0	0	250
24-Dec-11	2	0	2	13	16	29	3	8	11	0	0	0	49	34	83	19	13	32	0	0	0	157
25-Dec-11	3	1	4	0	1	1	0	2	2	0	1	1	32	22	54	3	13	16	0	0	0	78
26-Dec-11	0	0	0	2	0	2	1	3	4	0	3	3	45	44	89	22	27	49	0	0	0	147
27-Dec-11	0	0	0	45	36	81	43	57	100	4	1	5	0	0	0	0	0	0	0	0	0	186
28-Dec-11	0	0	0	43	34	77	40	52	92	5	0	5	1	0	1	0	0	0	0	0	0	175
29-Dec-11	1	0	1	33	32	65	26	65	91	36	1	37	1	0	1	0	0	0	0	0	0	195
30-Dec-11	23	0	23	29	31	60	25	52	77	4	0	4	3	0	3	0	0	0	0	0	0	167
31-Dec-11	4	1	5	13	12	25	10	17	27	0	2	2	23	15	38	14	9	23	0	0	0	120
Total	195	5	200	1313	944	2257	931	1669	2600	124	14	138	424	384	808	234	191	425	0	0	0	6428

(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 ¹

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-11	5	3	0	2	0	0	30	60	60	75	71	57	47	47	53	52	52	66	74	63	45	42	33	4	941
02-Dec-11	3	0	1	3	1	0	32	64	75	70	57	47	53	41	51	61	56	68	69	62	43	40	20	2	919
03-Dec-11	0	0	0	0	0	0	22	52	62	59	52	53	44	37	42	41	43	40	46	41	30	23	12	2	701
04-Dec-11	0	1	0	0	0	0	20	40	45	58	45	42	48	37	49	56	60	58	72	61	53	37	19	1	802
05-Dec-11	1	0	0	0	0	0	35	68	78	61	59	55	48	39	54	54	49	64	71	59	40	29	29	5	898
06-Dec-11	5	2	2	3	3	2	36	69	67	69	61	55	50	45	53	50	47	72	65	57	37	29	34	3	916
07-Dec-11	5	1	2	3	0	3	27	63	67	72	48	51	44	38	47	47	43	53	64	65	49	33	38	5	868
08-Dec-11	8	1	1	2	2	0	25	67	67	69	60	52	53	42	48	55	53	59	74	61	38	40	41	4	922
09-Dec-11	3	1	0	1	3	0	33	65	74	63	68	54	47	43	54	59	54	56	76	63	47	30	24	0	918
10-Dec-11	3	0	1	0	0	1	19	56	56	58	51	53	47	39	48	37	38	43	48	36	26	25	14	1	700
11-Dec-11	0	1	1	1	2	0	19	36	44	52	46	46	41	20	58	54	66	59	67	59	53	38	24	0	787
12-Dec-11	1	0	1	0	1	0	31	60	54	63	59	61	61	36	52	49	49	63	66	62	40	38	31	5	883
13-Dec-11	3	0	1	0	0	0	29	67	67	70	63	54	43	43	49	48	58	62	70	58	38	29	26	7	885
14-Dec-11	4	1	0	0	1	5	29	58	65	70	69	48	49	37	51	54	59	58	73	54	39	31	33	4	892
15-Dec-11	4	2	0	3	3	2	35	65	71	62	66	54	57	39	52	55	56	66	72	55	43	42	28	8	940
16-Dec-11	3	0	1	2	3	1	33	63	71	65	66	60	50	38	47	59	56	63	69	66	50	33	19	2	920
17-Dec-11	0	3	0	1	3	0	22	52	60	58	48	51	53	37	40	46	40	39	42	43	24	24	14	1	701
18-Dec-11	2	0	1	1	0	1	22	37	42	50	51	43	43	38	46	57	54	59	69	64	38	30	21	0	769
19-Dec-11	1	0	0	1	0	0	32	63	69	57	61	46	52	36	48	46	52	57	56	60	49	33	27	8	854
20-Dec-11	7	3	2	3	3	2	31	63	55	58	63	58	42	40	50	46	53	63	58	57	41	32	27	5	862
21-Dec-11	7	2	0	2	2	1	33	56	64	67	54	54	40	41	52	50	51	61	73	57	36	32	31	4	870
22-Dec-11	6	0	1	2	2	0	30	61	59	62	65	56	53	40	52	48	52	60	73	58	45	36	27	5	893
23-Dec-11	5	2	0	4	2	0	30	58	61	61	61	51	49	55	47	55	56	54	62	63	45	42	28	1	892
24-Dec-11	0	0	1	1	0	0	22	52	55	60	63	53	46	43	38	49	41	44	46	32	32	25	14	2	719
25-Dec-11	2	2	1	1	0	0	19	34	41	46	49	40	36	32	34	38	44	33	41	41	27	22	22	1	606
26-Dec-11	1	0	1	0	0	0	26	50	53	53	58	52	49	31	48	54	48	52	57	48	35	29	17	1	763
27-Dec-11	0	1	0	0	0	0	28	59	57	55	52	57	52	37	48	50	48	59	57	47	33	29	21	0	790
28-Dec-11	0	2	1	0	2	0	29	58	57	57	48	51	48	35	44	48	52	57	66	45	36	26	23	5	790
29-Dec-11	4	1	1	2	1	0	31	56	58	60	58	51	43	36	46	51	53	59	65	44	41	29	19	4	813
30-Dec-11	3	0	2	0	2	1	27	58	57	55	52	49	45	34	49	53	44	64	57	40	36	33	23	3	787
31-Dec-11	1	0	1	0	1	0	19	53	49	54	45	44	44	36	47	43	39	46	39	31	27	22	9	1	651
Total	87	29	23	38	37	19	856	1763	1860	1889	1769	1598	1477	1192	1497	1565	1566	1757	1937	1652	1216	983	748	94	25652
Avg.	2.81	0.94	0.74	1.23	1.19	0.61	27.61	56.87	60.00	60.94	57.06	51.55	47.65	38.45	48.29	50.48	50.52	56.68	62.48	53.29	39.23	31.71	24.13	3.03	827.48

(1) The data in the table above includes all movements at Sydney Airport (excluding helicopters) which may include operations that are exempt for other reports provided by Airservices under specific legislation.

Hourly Runway Movement Summary – Arrivals ¹

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-11	3	0	0	2	0	0	9	34	36	37	37	26	18	30	28	19	24	36	38	25	27	27	15	3	474
02-Dec-11	0	0	1	2	0	0	11	36	42	31	28	27	21	23	26	27	27	35	36	25	26	25	9	2	460
03-Dec-11	0	0	0	0	0	0	11	34	32	23	30	24	17	21	23	21	19	25	21	21	16	16	3	2	359
04-Dec-11	0	1	0	0	0	0	11	24	22	23	23	17	15	19	27	26	27	35	37	28	31	17	9	0	392
05-Dec-11	1	0	0	0	0	0	13	40	42	27	31	25	21	20	29	23	24	32	34	30	23	19	11	2	447
06-Dec-11	1	1	1	2	2	0	14	38	38	32	32	30	21	21	26	24	21	39	28	24	23	23	13	2	456
07-Dec-11	1	0	2	1	0	2	8	40	40	30	27	21	20	22	22	18	21	33	35	25	24	19	18	3	432
08-Dec-11	4	0	1	2	0	0	10	37	39	33	32	23	24	21	29	21	25	33	38	25	22	26	21	2	468
09-Dec-11	0	0	0	1	1	0	14	35	40	34	33	29	17	23	26	24	23	29	43	27	29	17	11	0	456
10-Dec-11	2	0	0	0	0	1	11	37	28	25	23	27	22	21	27	14	19	24	26	17	16	17	2	1	360
11-Dec-11	0	0	1	1	1	0	10	23	19	22	24	18	13	11	27	26	28	32	38	29	27	23	12	0	385
12-Dec-11	0	0	1	0	1	0	13	29	31	31	29	32	26	19	26	20	26	32	33	28	23	25	14	1	440
13-Dec-11	1	0	1	0	0	0	10	37	38	33	34	26	19	26	21	21	27	32	37	21	24	19	13	3	443
14-Dec-11	0	0	0	0	1	3	9	34	38	35	34	22	21	21	30	22	28	31	34	21	25	21	13	2	445
15-Dec-11	1	1	0	2	1	1	13	38	39	31	33	28	23	19	29	23	26	38	35	24	22	28	13	3	471
16-Dec-11	0	0	1	1	1	0	13	33	39	33	40	27	18	18	28	26	25	36	32	31	29	22	9	0	462
17-Dec-11	0	1	0	1	3	0	9	36	28	24	24	25	24	19	23	21	23	21	22	20	14	17	2	1	358
18-Dec-11	1	0	1	0	0	1	11	24	20	21	24	16	14	18	27	26	24	35	31	33	22	18	9	0	376
19-Dec-11	0	0	0	1	0	0	13	36	40	24	32	22	24	17	24	23	25	29	35	27	21	22	9	3	427
20-Dec-11	2	1	1	2	2	0	12	35	35	30	31	26	19	23	24	18	25	32	27	28	24	25	12	4	438
21-Dec-11	1	0	0	1	1	0	13	30	38	31	27	24	18	22	26	22	22	34	36	26	23	22	11	3	431
22-Dec-11	1	0	1	1	0	0	11	32	33	36	33	25	19	21	28	23	24	29	38	26	23	26	14	3	447
23-Dec-11	1	0	0	3	1	0	13	28	38	27	30	27	21	26	25	25	20	31	32	30	26	30	12	0	446
24-Dec-11	0	0	1	0	0	0	9	32	31	28	30	24	22	18	23	22	22	26	23	16	23	15	5	2	372
25-Dec-11	1	2	0	0	0	0	9	22	18	22	24	14	15	18	20	14	22	16	23	22	15	13	9	0	299
26-Dec-11	0	0	1	0	0	0	13	28	23	25	30	25	15	16	25	22	25	26	33	24	23	18	6	0	378
27-Dec-11	0	0	0	0	0	0	12	32	25	28	28	30	18	19	25	23	21	32	26	24	22	20	9	0	394
28-Dec-11	0	1	0	0	2	0	13	30	29	28	27	21	21	20	22	19	24	31	30	23	22	18	10	4	395
29-Dec-11	0	0	1	1	1	0	13	32	26	29	32	22	18	19	24	22	27	32	30	22	25	20	10	2	408
30-Dec-11	1	0	1	0	2	0	12	32	30	24	30	18	21	17	27	20	20	35	28	21	23	21	11	1	395
31-Dec-11	0	0	1	0	1	0	9	34	17	21	27	20	21	17	27	19	21	26	17	18	17	17	3	1	334
Total	22	8	17	24	21	8	352	1012	994	878	919	741	606	625	794	674	735	957	976	761	710	646	318	50	12848
Avg.	0.71	0.26	0.55	0.77	0.68	0.26	11.35	32.65	32.06	28.32	29.65	23.90	19.55	20.16	25.61	21.74	23.71	30.87	31.48	24.55	22.90	20.84	10.26	1.61	414.45

(1) The data in the table above includes all movements at Sydney Airport (excluding helicopters) which may include operations that are exempt for other reports provided by Airservices under specific legislation.

Hourly Runway Movement Summary – Departures ¹

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-11	2	3	0	0	0	0	21	26	24	38	34	31	29	17	25	33	28	30	36	38	18	15	18	1	467
02-Dec-11	3	0	0	1	1	0	21	28	33	39	29	20	32	18	25	34	29	33	33	37	17	15	11	0	459
03-Dec-11	0	0	0	0	0	0	11	18	30	36	22	29	27	16	19	20	24	15	25	20	14	7	9	0	342
04-Dec-11	0	0	0	0	0	0	9	16	23	35	22	25	33	18	22	30	33	23	35	33	22	20	10	1	410
05-Dec-11	0	0	0	0	0	0	22	28	36	34	28	30	27	19	25	31	25	32	37	29	17	10	18	3	451
06-Dec-11	4	1	1	1	1	2	22	31	29	37	29	25	29	24	27	26	26	33	37	33	14	6	21	1	460
07-Dec-11	4	1	0	2	0	1	19	23	27	42	21	30	24	16	25	29	22	20	29	40	25	14	20	2	436
08-Dec-11	4	1	0	0	2	0	15	30	28	36	28	29	29	21	19	34	28	26	36	36	16	14	20	2	454
09-Dec-11	3	1	0	0	2	0	19	30	34	29	35	25	30	20	28	35	31	27	33	36	18	13	13	0	462
10-Dec-11	1	0	1	0	0	0	8	19	28	33	28	26	25	18	21	23	19	19	22	19	10	8	12	0	340
11-Dec-11	0	1	0	0	1	0	9	13	25	30	22	28	28	9	31	28	38	27	29	30	26	15	12	0	402
12-Dec-11	1	0	0	0	0	0	18	31	23	32	30	29	35	17	26	29	23	31	33	34	17	13	17	4	443
13-Dec-11	2	0	0	0	0	0	19	30	29	37	29	28	24	17	28	27	31	30	33	37	14	10	13	4	442
14-Dec-11	4	1	0	0	0	2	20	24	27	35	35	26	28	16	21	32	31	27	39	33	14	10	20	2	447
15-Dec-11	3	1	0	1	2	1	22	27	32	31	33	26	34	20	23	32	30	28	37	31	21	14	15	5	469
16-Dec-11	3	0	0	1	2	1	20	30	32	32	26	33	32	20	19	33	31	27	37	35	21	11	10	2	458
17-Dec-11	0	2	0	0	0	0	13	16	32	34	24	26	29	18	17	25	17	18	20	23	10	7	12	0	343
18-Dec-11	1	0	0	1	0	0	11	13	22	29	27	27	29	20	19	31	30	24	38	31	16	12	12	0	393
19-Dec-11	1	0	0	0	0	0	19	27	29	33	29	24	28	19	24	23	27	28	21	33	28	11	18	5	427
20-Dec-11	5	2	1	1	1	2	19	28	20	28	32	32	23	17	26	28	28	31	31	29	17	7	15	1	424
21-Dec-11	6	2	0	1	1	1	20	26	26	36	27	30	22	19	26	28	29	27	37	31	13	10	20	1	439
22-Dec-11	5	0	0	1	2	0	19	29	26	26	32	31	34	19	24	25	28	31	35	32	22	10	13	2	446
23-Dec-11	4	2	0	1	1	0	17	30	23	34	31	24	28	29	22	30	36	23	30	33	19	12	16	1	446
24-Dec-11	0	0	0	1	0	0	13	20	24	32	33	29	24	25	15	27	19	18	23	16	9	10	9	0	347
25-Dec-11	1	0	1	1	0	0	10	12	23	24	25	26	21	14	14	24	22	17	18	19	12	9	13	1	307
26-Dec-11	1	0	0	0	0	0	13	22	30	28	28	27	34	15	23	32	23	26	24	24	12	11	11	1	385
27-Dec-11	0	1	0	0	0	0	16	27	32	27	24	27	34	18	23	27	27	27	31	23	11	9	12	0	396
28-Dec-11	0	1	1	0	0	0	16	28	28	29	21	30	27	15	22	29	28	26	36	22	14	8	13	1	395
29-Dec-11	4	1	0	1	0	0	18	24	32	31	26	29	25	17	22	29	26	27	35	22	16	9	9	2	405
30-Dec-11	2	0	1	0	0	1	15	26	27	31	22	31	24	17	22	33	24	29	29	19	13	12	12	2	392
31-Dec-11	1	0	0	0	0	0	10	19	32	33	18	24	23	19	20	24	18	20	22	13	10	5	6	0	317
Total	65	21	6	14	16	11	504	751	866	1011	850	857	871	567	703	891	831	800	961	891	506	337	430	44	12804
Avg.	2.10	0.68	0.19	0.45	0.52	0.35	16.26	24.23	27.94	32.61	27.42	27.65	28.10	18.29	22.68	28.74	26.81	25.81	31.00	28.74	16.32	10.87	13.87	1.42	413.03

(1) The data in the table above includes all movements at Sydney Airport (excluding helicopters) which may include operations that are exempt for other reports provided by Airservices under specific legislation.

Mode Utilisation Summary (Total Hours by Day) ¹

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	Mode 14a 16/07	Mode 15 34R/34L	Other
01-Dec-11	07:00	00:11	-	-	-	-	-	14:12	-	-	02:35	-	-
02-Dec-11	07:00	00:08	-	02:27	-	-	-	14:23	-	-	-	-	-
03-Dec-11	07:00	00:24	03:29	-	-	-	06:53	06:12	-	-	-	-	-
04-Dec-11	07:00	00:17	00:54	02:01	-	-	-	13:45	-	-	-	-	-
05-Dec-11	07:00	00:01	-	00:46	-	-	-	16:11	-	-	-	-	-
06-Dec-11	07:00	00:07	-	00:29	-	-	-	13:53	-	-	02:28	-	-
07-Dec-11	07:00	00:09	-	02:39	-	-	-	11:59	-	-	02:11	-	-
08-Dec-11	07:00	00:06	-	02:33	-	-	02:35	11:44	-	-	-	-	-
09-Dec-11	07:00	00:24	-	00:18	-	-	-	08:31	-	-	07:44	-	-
10-Dec-11	07:00	00:43	-	-	-	-	04:43	10:39	-	-	00:53	-	-
11-Dec-11	07:00	00:14	05:45	-	-	-	06:19	04:22	00:17	-	-	-	-
12-Dec-11	07:00	00:28	-	02:01	-	-	-	14:29	-	-	-	-	-
13-Dec-11	07:00	00:12	-	02:10	-	-	-	14:36	-	-	-	-	-
14-Dec-11	07:00	00:12	-	00:17	-	-	-	14:21	-	-	02:07	-	-
15-Dec-11	07:00	00:03	-	-	-	-	00:40	12:42	-	-	03:32	-	-
16-Dec-11	07:00	00:15	-	00:49	-	-	-	11:46	-	-	04:07	-	-
17-Dec-11	07:00	00:18	02:29	-	-	-	-	10:10	-	-	04:01	-	-
18-Dec-11	07:00	00:17	03:23	-	-	-	13:18	-	-	-	-	-	-
19-Dec-11	07:00	00:19	-	-	-	-	16:39	-	-	-	-	-	-
20-Dec-11	07:00	00:07	-	05:46	-	-	-	11:04	-	-	-	-	-
21-Dec-11	07:00	00:08	-	00:35	-	-	-	13:51	-	-	02:23	-	-
22-Dec-11	07:00	00:10	-	01:02	-	-	04:21	08:48	-	-	02:36	-	-
23-Dec-11	07:00	00:17	-	00:37	-	-	06:35	08:47	-	-	00:41	-	-
24-Dec-11	07:00	00:20	05:16	-	-	-	08:25	02:57	-	-	-	-	-
25-Dec-11	07:00	00:10	02:17	-	-	-	14:31	-	-	-	-	-	-
26-Dec-11	07:00	00:31	-	-	-	-	13:52	02:35	-	-	-	-	-
27-Dec-11	07:00	00:19	-	02:25	-	-	-	14:14	-	-	-	-	-
28-Dec-11	07:00	00:24	-	02:18	-	-	-	14:15	-	-	-	-	-
29-Dec-11	07:00	00:36	-	08:35	-	-	-	07:47	-	-	-	-	-
30-Dec-11	07:00	00:29	-	02:35	-	-	-	09:22	-	-	04:32	-	-
31-Dec-11	07:00	00:44	-	-	-	-	07:53	05:36	-	-	02:44	-	-
Total	217:00	9:33	23:35	40:34	00:00	00:00	106:49	303:25	0:17	00:00	42:41	00:00	00:00
% Used		1.81%	4.48%	7.70%	0.00%	0.00%	20.27%	57.58%	0.06%	0.00%	8.10%	0.00%	0.00%

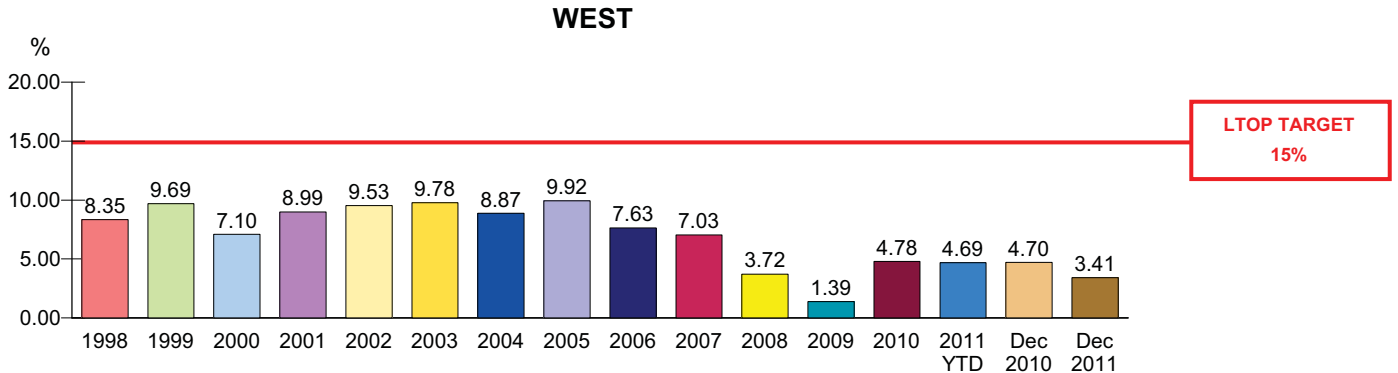
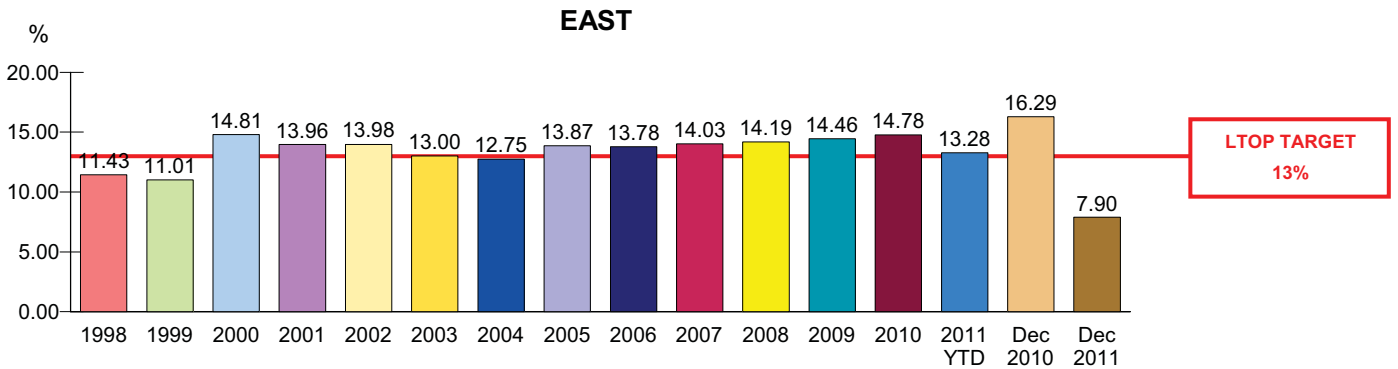
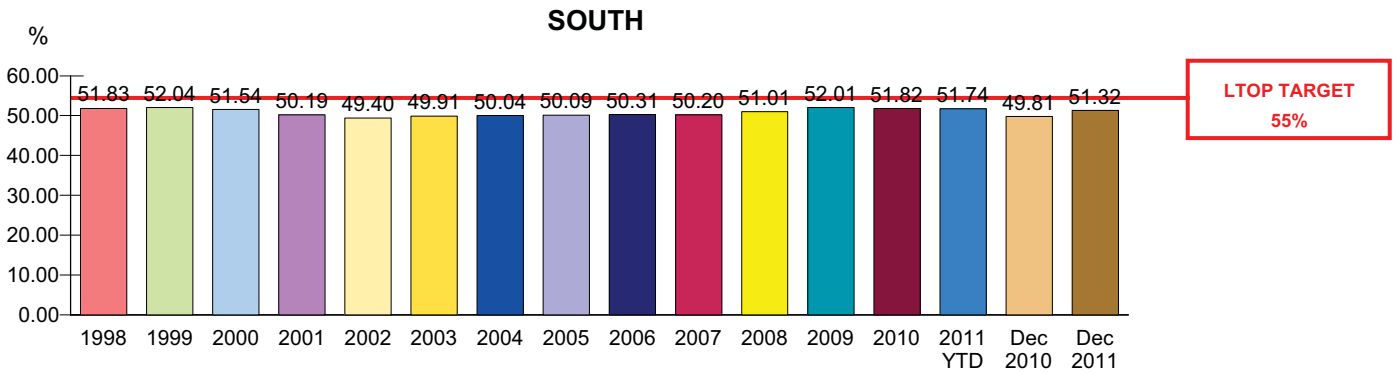
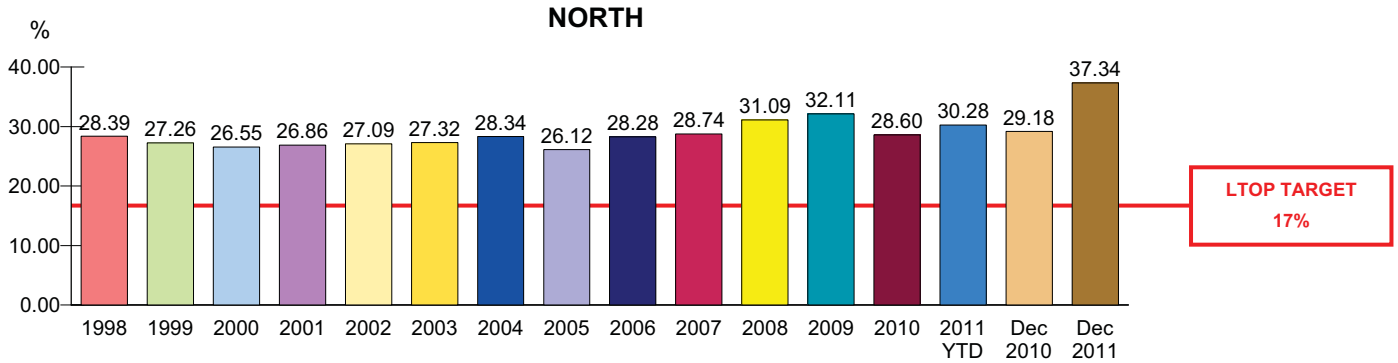
(1) Mode 15 was introduced during RESA works (commenced October 2008) and ceased being used at the completion of RESA (April 2010).

Cumulative Mode Utilisation from 1 January 2011

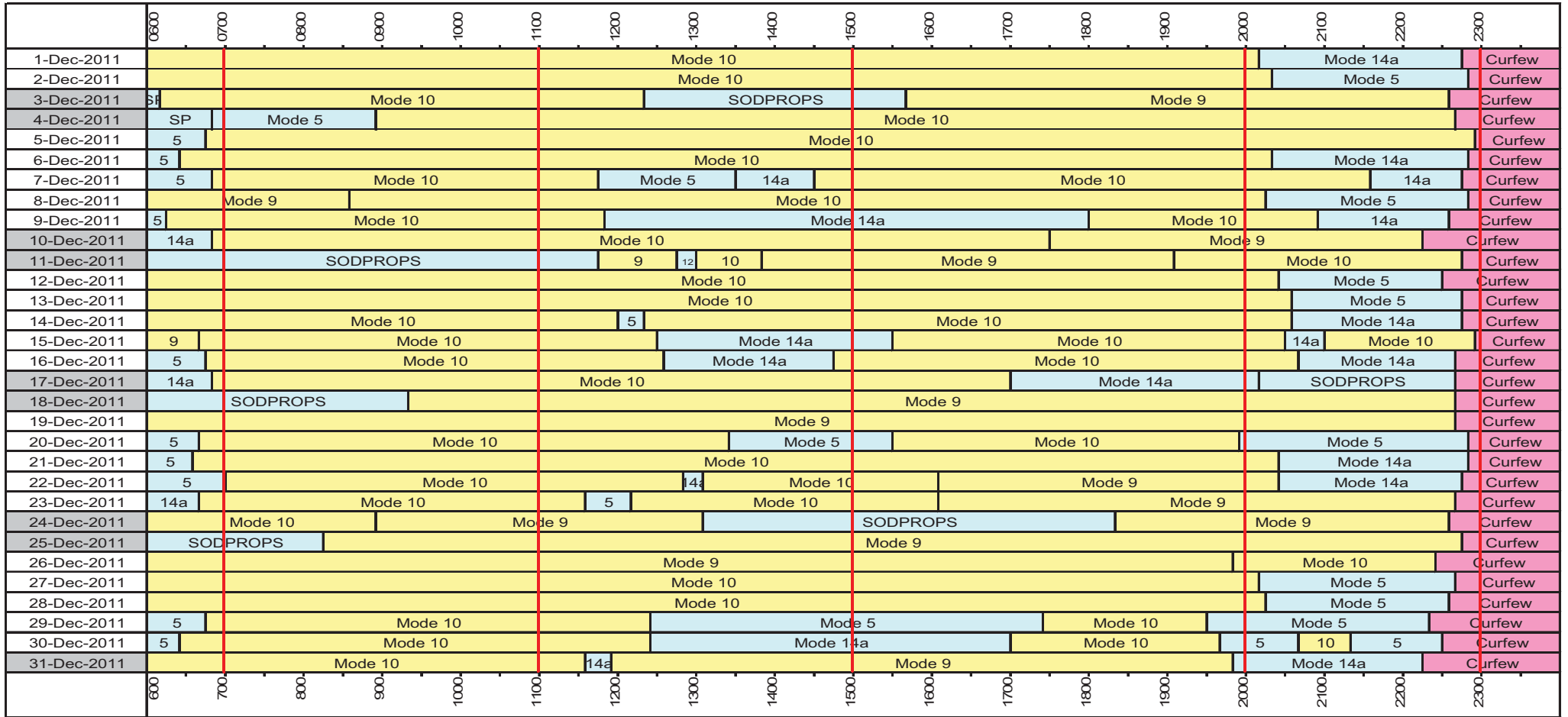
Time	2.20%	6.11%	5.71%	4.27%	0.00%	37.03%	36.55%	0.11%	1.15%	6.87%	0.00%	0.00%
Movements	0.39%	4.86%	4.32%	3.22%	0.00%	40.30%	40.21%	0.08%	0.00%	0.98%	0.00%	0.00%

Runway End Impact to 31 December 2011

Includes comparisons with annual figures for 1998 to 2010, 2011 Year to Date, current month this year and corresponding month last year.



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

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 (the Commonwealth Environmental Department at that time) and the community, to meet the requirements of the then 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 2011**.

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

Date	PRM		Hours of PRM operation
	Start Time	End Time	
2/12/2011	6:55	8:10	1:15
8/12/2011	8:25	9:57	1:32
13/12/2011	7:01	9:23	2:22
23/12/2011	7:44	8:51	1:07

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
2/12/2011	46	21	25
8/12/2011	44	20	24
13/12/2011	88	40	48
23/12/2011	41	20	21

Complaints and complainants by suburb, specifically mentioning PRM operations

Suburb	Number of complaints	Number of complainants
-	-	-

Noise Complaints & Information Service

The Noise Complaints & Information 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	ncis@airservicesaustralia.com

In addition complaints can be lodged via the internet at:

<https://www.airservicesaustralia.com/aircraftnoise/about-making-a-complaint/how-to-make-a-complaint/>

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:

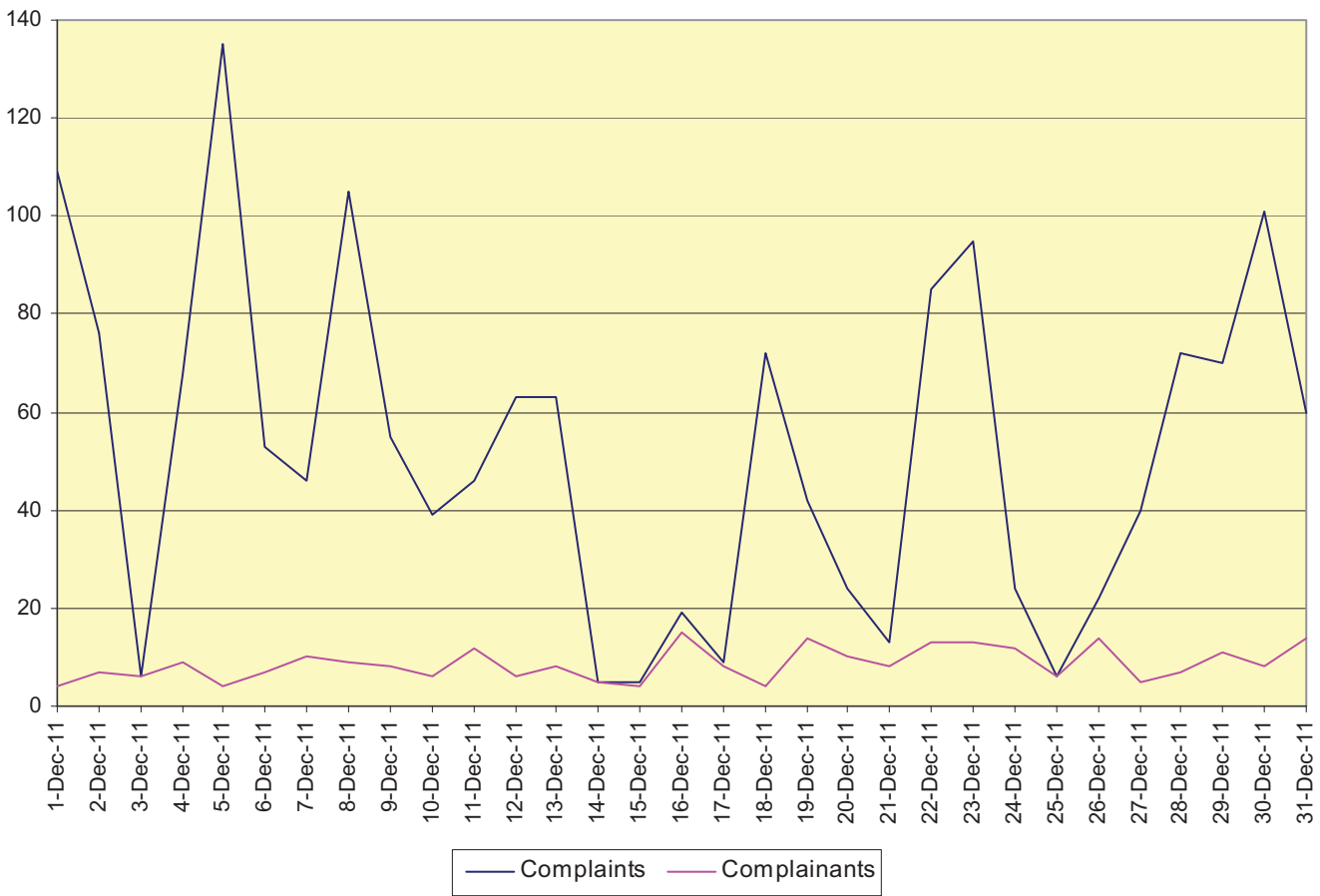
www.sacf.infrastructure.gov.au

Summary of Section Activity – December 2011

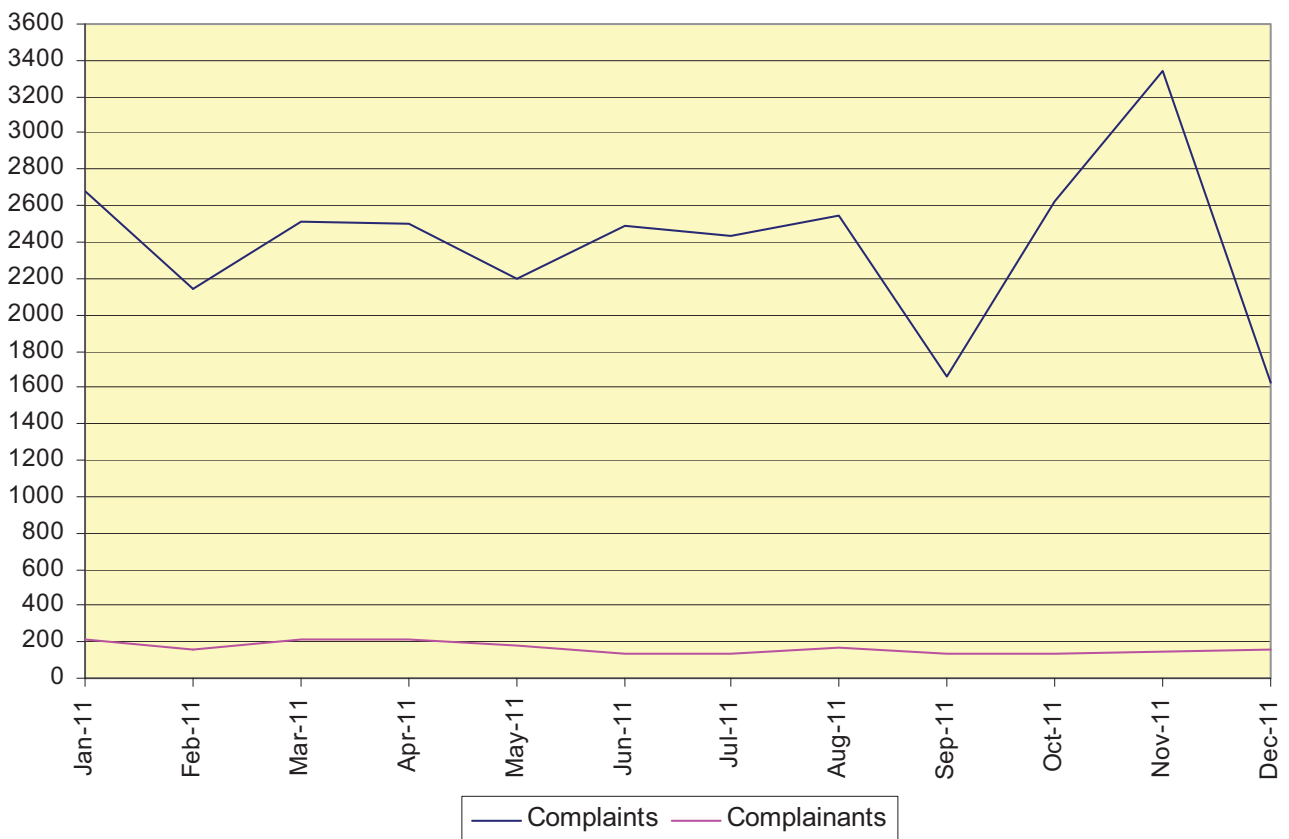
➤ Sydney Suburbs Complaints	
• By phone.....	148
• By correspondence.....	8
• By internet.....	239
• By e-mail.....	18
• By WebTrak.....	1215
➤ Sydney Suburbs Complaints – suburb not specified	6
➤ Sydney Suburbs Comments and Enquiries	20
➤ Other than Sydney Suburbs or Sydney Airport (NSW Only) Complaints	66
➤ Other than Sydney Suburbs or Sydney Airport (NSW Only) Comments and Enquiries	3
➤ Callback / Information Requests (NSW Only).....	187

Complaints Graphs

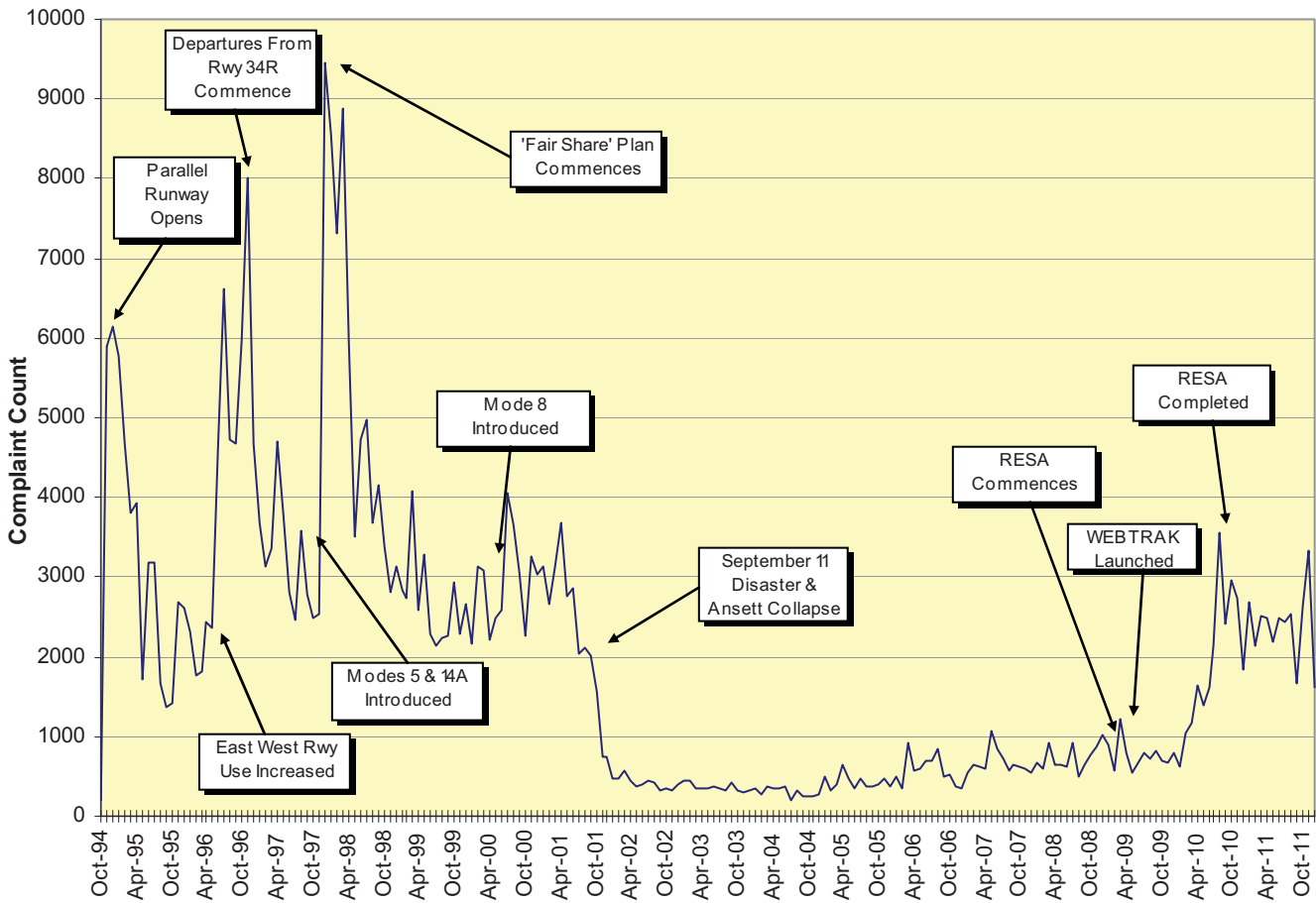
Complaints vs Complainants – 1 December to 31 December 2011



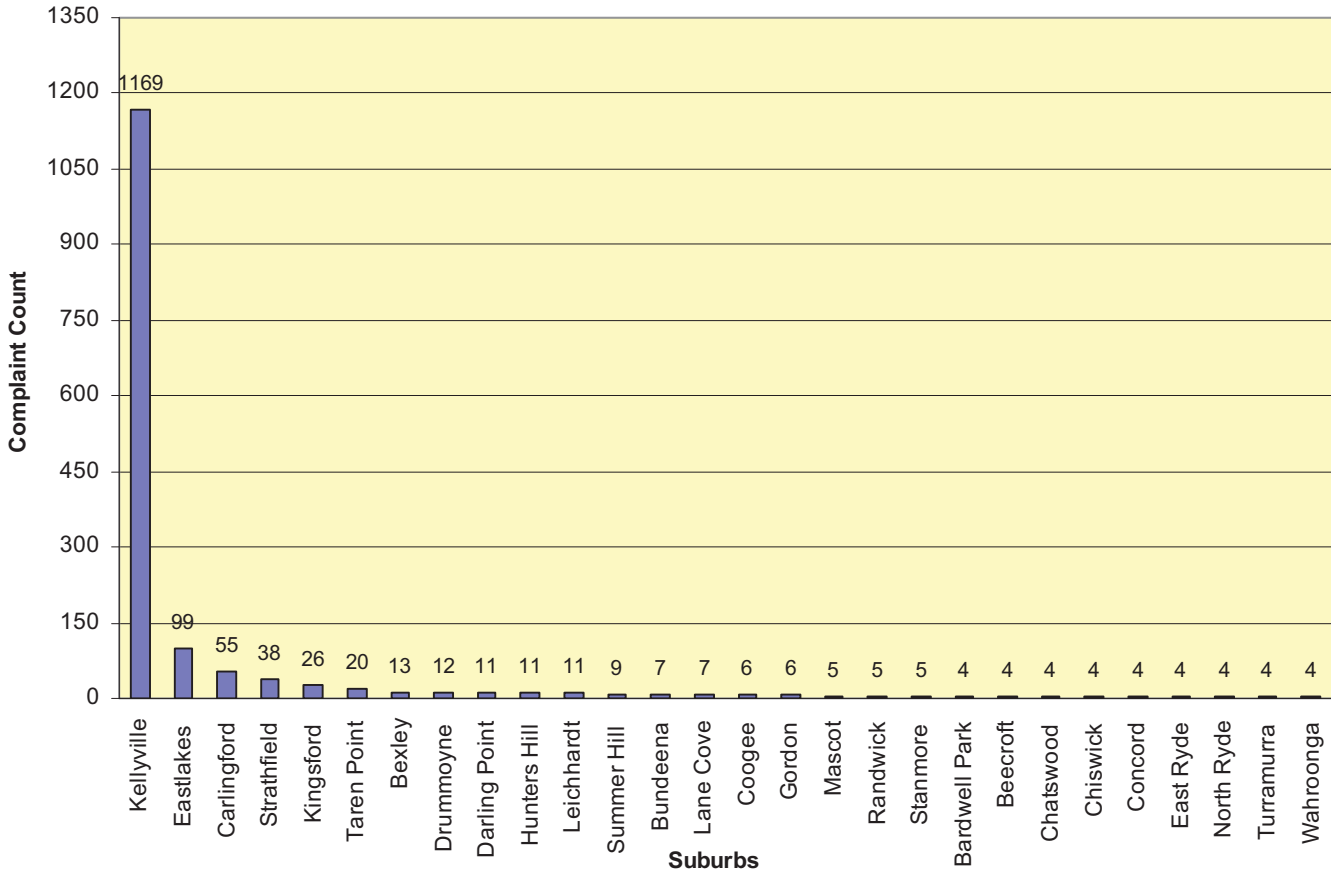
Complaints vs Complainants – Monthly



Complaints History

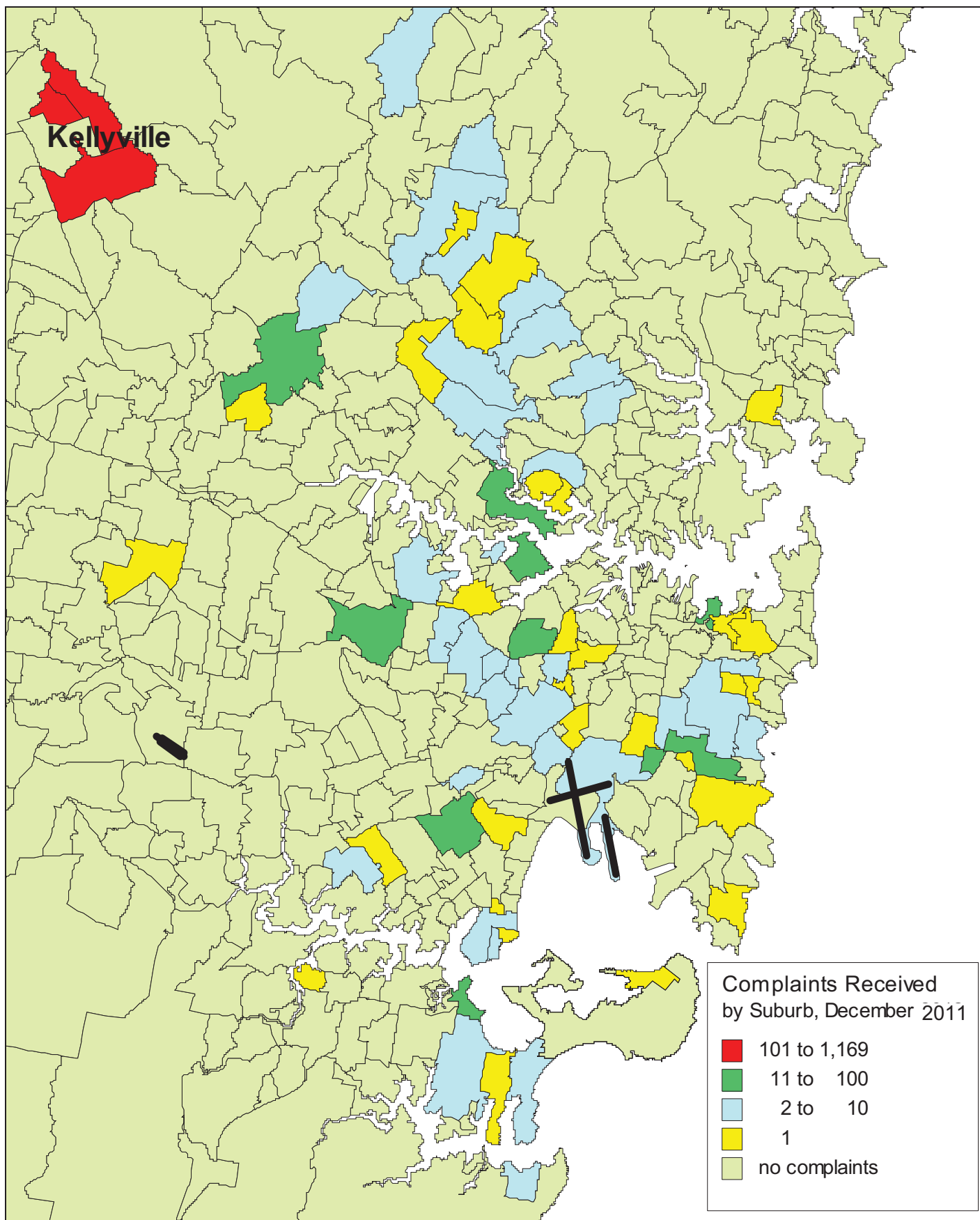


Top 20 Complaint Suburbs – 1 December to 31 December 2011



Complaint Density by Suburb

1 December to 31 December 2011



Recorded Complaints vs Complainants, by Suburb

1 December to 31 December 2011

<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>	<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>
Not Specified	6	3	Kurnell	1	1
Annandale	1	1	Lane Cove	7	6
Ashfield	2	2	Leichhardt	11	3
Balgowlah	1	1	Lewisham	2	2
Bardwell Park	4	4	Little Bay	1	1
Beecroft	4	1	Longueville	1	1
Bellevue Hill	1	1	Macquarie Park	2	1
Bexley	13	3	Maroubra	1	1
Bondi Junction	2	2	Marrickville	3	3
Bonnet Bay	1	1	Marsfield	1	1
Bundeena	7	2	Mascot	5	5
Camperdown	1	1	Mortdale	3	1
Caringbah	2	1	North Ryde	4	3
Carlingford	55	4	North Wahroonga	2	1
Chatswood	4	1	Oatlands	1	1
Chiswick	4	2	Penshurst	1	1
Concord	4	2	Pymble	1	1
Coogee	6	3	Queens Park	1	1
Cronulla	2	2	Ramsgate	1	1
Croydon	2	2	Randwick	5	5
Daceyville	1	1	Riverview	1	1
Darling Point	11	5	Rockdale	1	1
Dolls Point	1	1	Rosebery	1	1
Double Bay	1	1	Roseville	3	2
Drummoyne	12	6	Sandringham	2	2
Dulwich Hill	2	1	Sans Souci	2	2
East Ryde	4	2	St Peters	1	1
Eastlakes	99	1	Stanmore	5	5
Enmore	1	1	Strathfield	38	2
Five Dock	1	1	Summer Hill	9	2
Gordon	6	3	Taren Point	20	2
Guildford	1	1	Tempe	2	1
Hornsby Heights	2	1	Turrumurra	4	2
Hunters Hill	11	7	Wahroonga	4	2
Kellyville	1169	1	Warrawee	1	1
Kensington	2	2	Waverley	1	1
Killara	3	3	West Pymble	1	1
Kingsford	26	9	Woolooware	1	1
Kirkham	2	1			
Total Complaints	1628		Total Complainants	157	

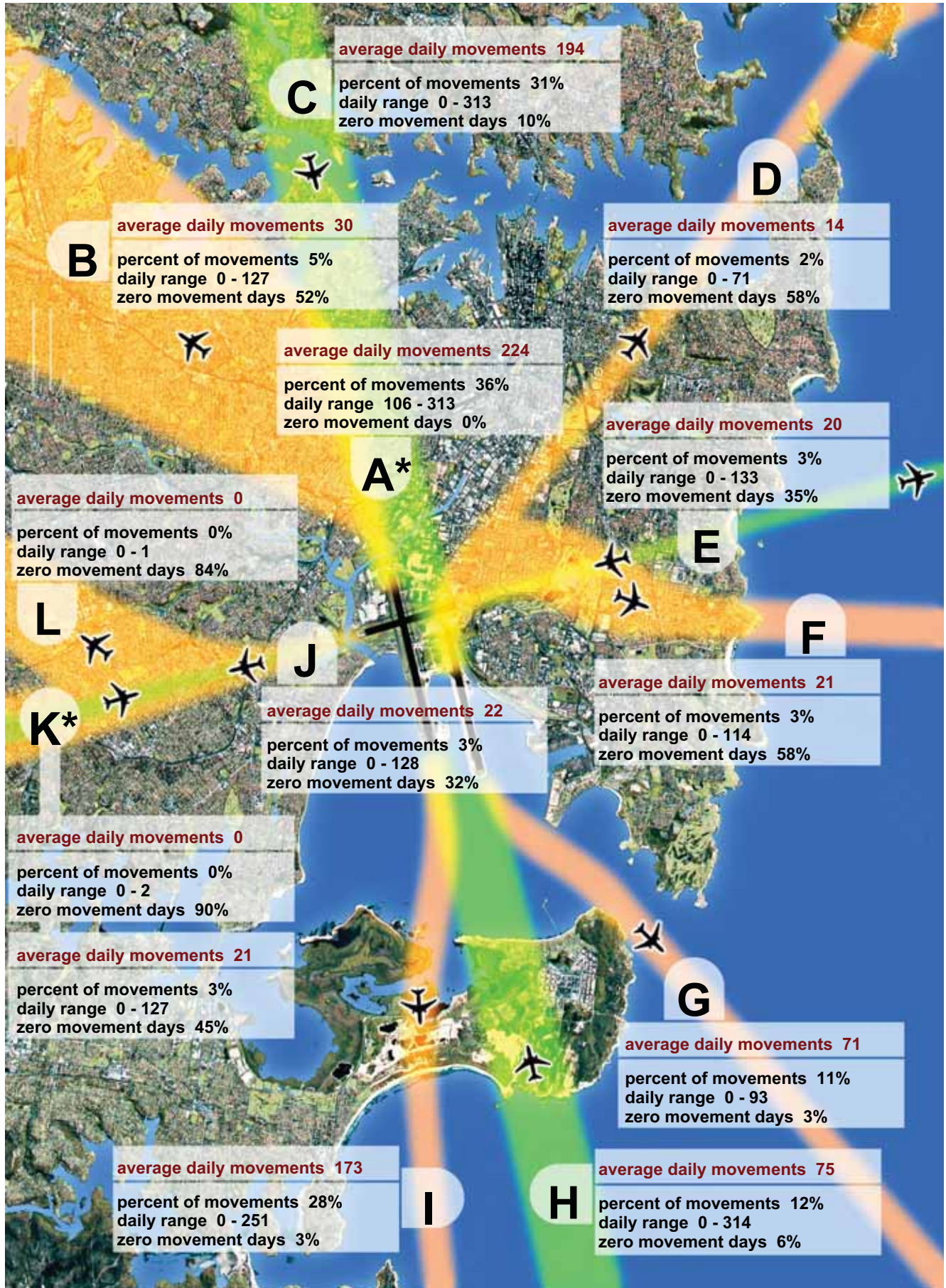
Recorded Complaints vs Complainants, by Locations/Airports Other than Sydney (NSW Only)

1 December to 31 December 2011

<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>	<i>SUBURB</i>	<i>COMPLAINTS</i>	<i>COMPLAINANTS</i>
Albion Park	1	1	Mulgoa	1	1
Bankstown	17	8	Mummulgum	1	1
Bathurst	1	1	Murwillumbah	1	1
Bunyan	2	1	Newcastle	1	1
Cabarita Beach	1	1	Not Specified	4	3
Camden	19	6	Parramatta	1	1
Coffs Harbour	1	1	Parramatta River	2	1
Cooranbong	1	1	The Oaks	1	1
Henley	1	1	Tyagarah	3	3
Maitland	1	1	Waratah	1	1
Marulan	1	1	Warnervale	2	1
Mudgee	1	1	Williamstown	1	1
Total Complaints	66		Total Complainants	40	

Sydney Airport : Jet Flight Path Movements

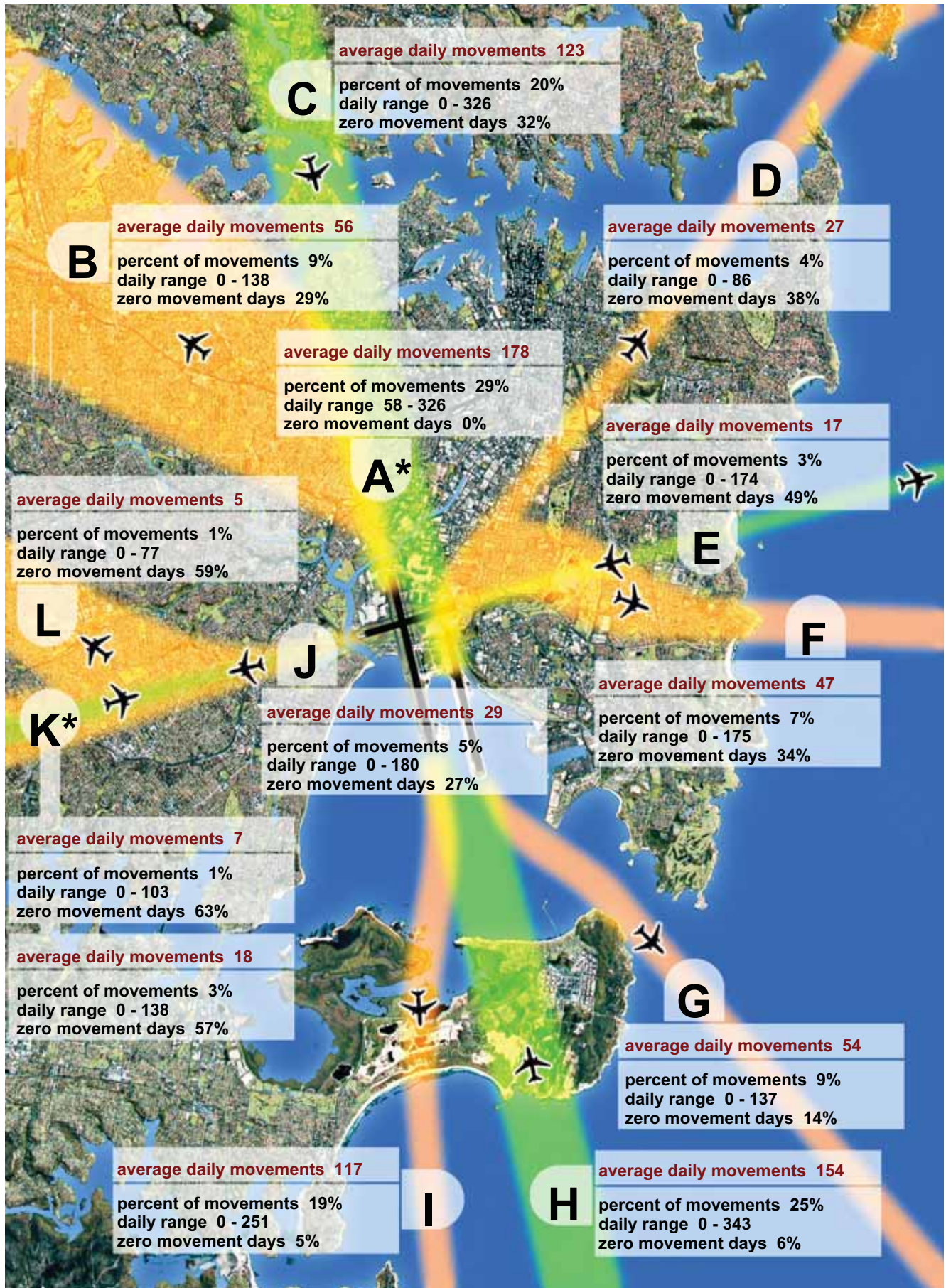
1 Dec 2011 to 31 Dec 2011, All Jets



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

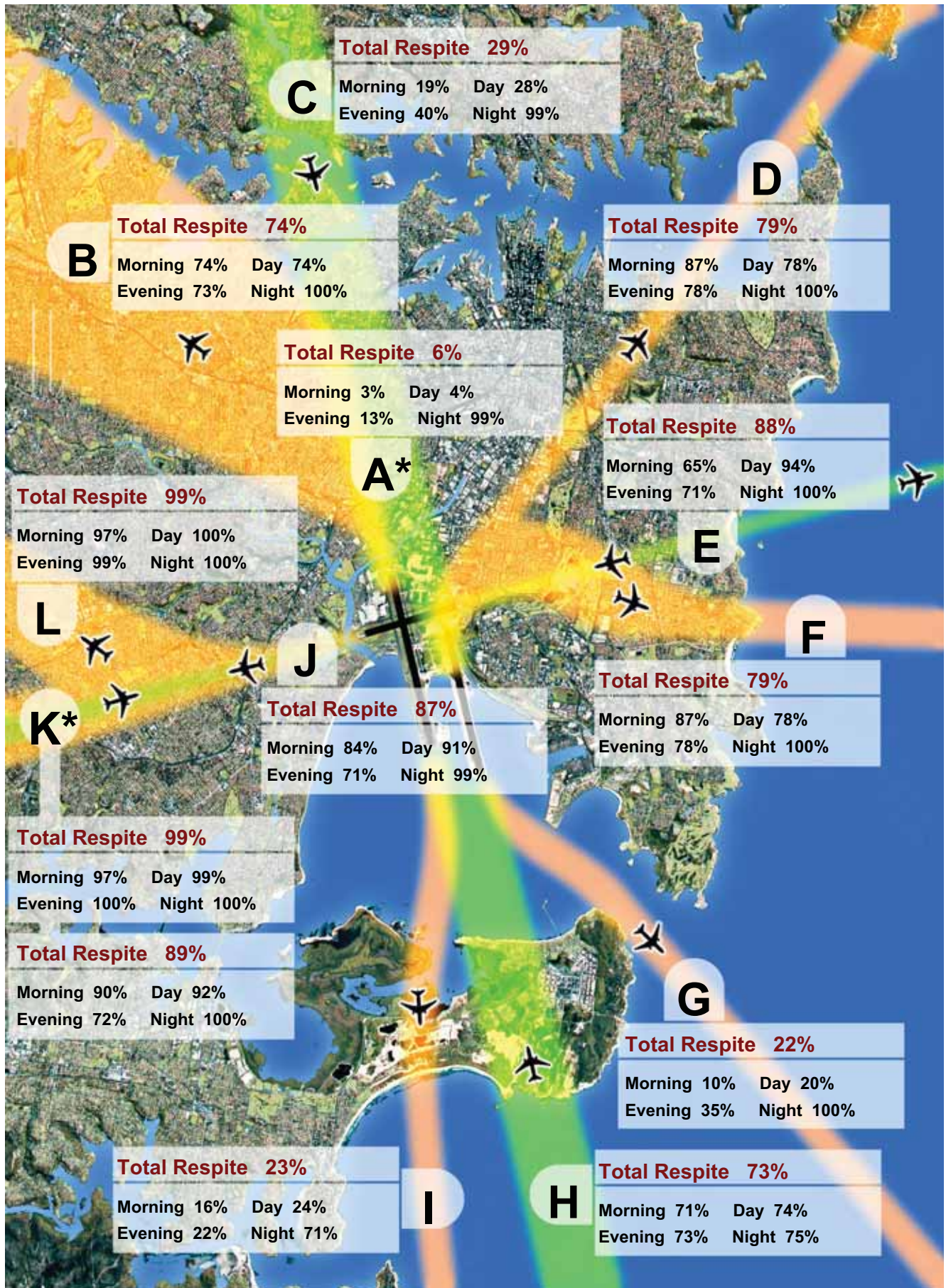
1 Jan 2011 to 31 Dec 2011, All Jets



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 2011 to 31 Dec 2011, All Jets



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

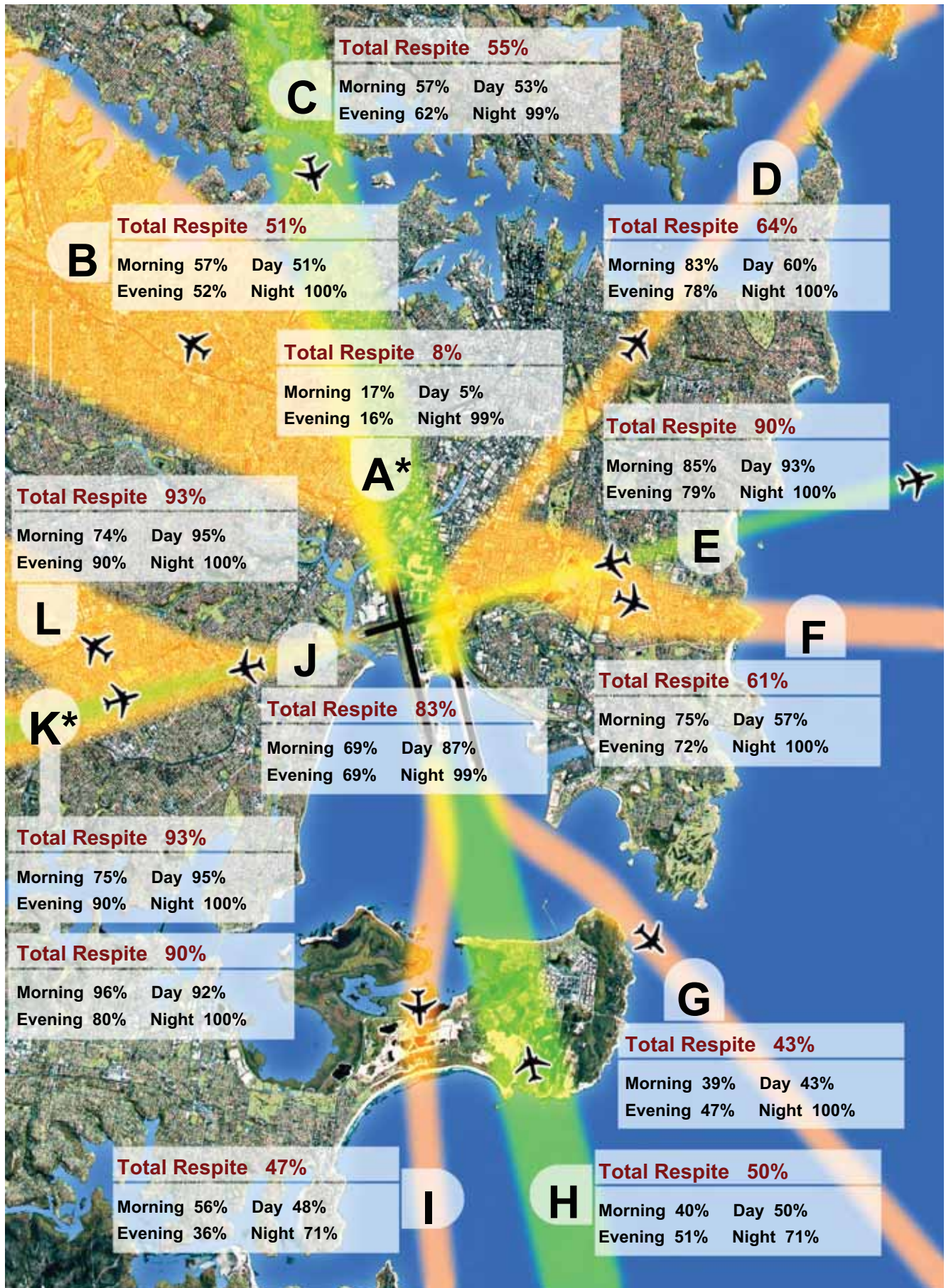
A respite interval is a 60 minute period when there are no jet movements (R60).

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 2011 to 31 Dec 2011, 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)

January 2011 to December 2011

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 Airservices Australia's NFPMS.

	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 November 2011 .
	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 December 2011 .
	Arrivals from the north on runways 16L and 16R	
D	North-east	Area gets overflights (departures) from Mode 9 . Due to seasonal changes in wind patterns the highest use of Mode 9 was in November 2011 .
	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 2011 .
	Arrivals on runway 25 and departures from runway 07	
F	East - Maroubra	Area gets overflights (departures) from Mode 9 . Due to seasonal changes in wind patterns the highest use of Mode 9 was in November 2011 .
	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 November 2011 and Mode 7 was in July 2011 .
	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 2011 , Mode 14A in October 2011 & Mode 8 has not been 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 2011 to December 2011, 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) 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 of 64%**. This means that over the period **January 2011 to December 2011 for 64%** 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 the Airport Noise and Operations Management System (ANOMS) 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. Environmental Services 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 2011.



Figure 1. NMT sites about Sydney Airport and the daily N70 values for the month of December 2011

The measured daily N70 value is the average daily number of aircraft noise events whose maximum noise level (LAmax) 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 2011 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>Threshold rwy 34</i>	9,825	30.9	312	355	327
<i>Penshurst</i>	942	30.9	26	28	46
<i>Bexley</i>	929	30.9	28	33	49
<i>Sydenham</i>	5,978	30.9	193	168	157
<i>Johnston St. Annandale</i>	4,517	30.9	108	64	68
<i>Church St. St Peters</i>	6,076	30.9	126	97	93
<i>Leichhardt PEMU 36</i>	5,056	30.9	156	89	96
<i>Eastlakes</i>	1,804	30.9	49	64	61
<i>Coogee</i>	1,003	30.9	27	15	19
<i>Kurnell</i>	991	30.9	22	82	62
<i>Croydon</i>	372	30.9	10	16	13
<i>Hunters Hill</i>	7,593	30.9	109	57	58

Table 1 Results for each Noise Monitoring Terminal for the three months up to and including December 2011.

The N70 values for December 2011 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 13 PM 37 Day 244 Night 12 WE_D 300 WE_N 4	Penshurst AM 0 PM 14 Day 17 Night 0 WE_D 14 WE_N 0	Bexley AM 0 PM 15 Day 18 Night 0 WE_D 15 WE_N 0	Eastlakes AM 4 PM 20 Day 27 Night 0 WE_D 45 WE_N 0
Coogee AM 3 PM 18 Day 12 Night 0 WE_D 10 WE_N 0	Sydenham AM 7 PM 16 Day 181 Night 1 WE_D 165 WE_N 0	Leichhardt PEMU36 AM 6 PM 13 Day 160 Night 1 WE_D 97 WE_N 0	Kurnell AM 0 PM 2 Day 16 Night 0 WE_D 34 WE_N 0
Annandale AM 1 PM 5 Day 123 Night 0 WE_D 56 WE_N 0	St Peters AM 2 PM 6 Day 134 Night 0 WE_D 85 WE_N 0	Croydon AM 0 PM 1 Day 4 Night 0 WE_D 22 WE_N 0	Hunters Hill AM 6 PM 10 Day 108 Night 1 WE_D 70 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), 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.