Sydney Airport Operational Statistics

June 2018

connecting australian aviation

PREVIEW

Sydney Airport Operational Statistics Report Preview

June 2018

Total Runway Movements (excluding helicopter operations) (refer pages 6-11)

There were a total of 26,501 aircraft movements this month (daily average 883.37). Last month there were a total of 27,743 movements (daily average 894.94) and for the same month last year there were a total of 26,731 movements (daily average 891.03).

Mode Utilisation (refer pages 12 & 14)

Individual mode use in excess of 9 hours occurred on 27 days this month, Mode 9 on 14 days and Mode 10 on 13 days. Crossing runway modes (including Sodprops) were used for 9.86% 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 13)

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 33.61% - This result is above the LTOP target and above the previous month (29.3%)

South 50.76% - This result is below the LTOP target and above the previous month (50.29%)

East 14.92% - This result is above the LTOP target and below the previous month (17.24%)

West 0.72% - This result is below the LTOP target and below the previous month (3.16%)

16 Precision Runway Monitor (PRM) Operations (refer page 15)

This procedure was used on 5, 6, 18, 19 and 20 of June for a total of 12 hours and 36 minutes (ATIS time).

If you have questions about this report please contact:

Noise Complaints and Information Service
Noise Complaint, Enquiry and Feedback Form: https://complaints.bksv.com/asa
Phone: 1800 802 584
Web: http://www.airservicesaustralia.com/aircraftnoise/

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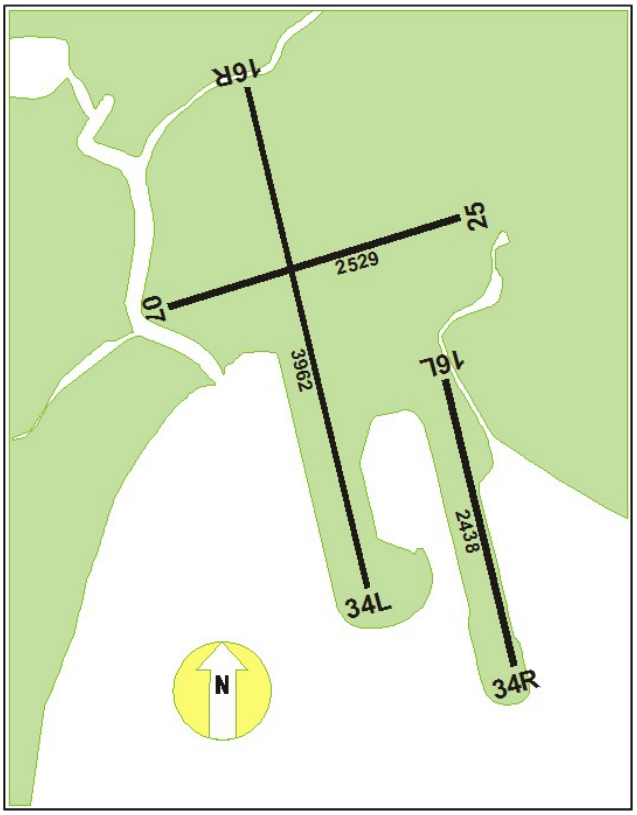
This report is available on the Internet at Airservices Australia website at

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.

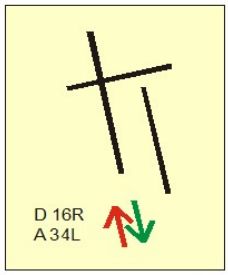
Runway 16R/34L	Main North-South runway
Runway 16L/34R	Parallel North-South runway.
Runway 07/25	East-West runway.

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)

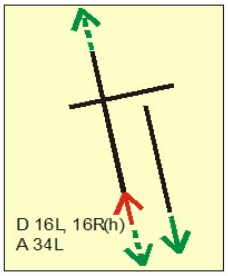
Runway Modes of Operation

Mode 1 - Curfew



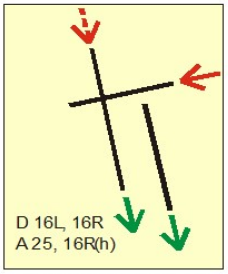
Departures to South
Arrivals from South

Sodprops



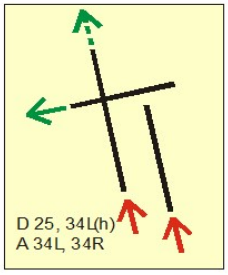
Departures to South
Arrivals from South

Mode 5



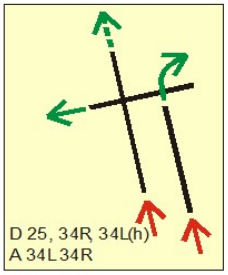
Departures to South
Arrivals from East

Mode 7



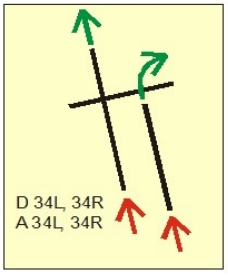
Departures to West
Arrivals from South

Mode 8



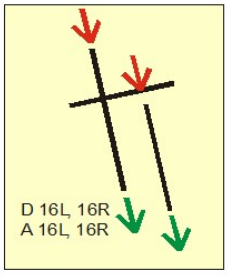
Departures to West,
East & North East
Arrivals from South

Mode 9



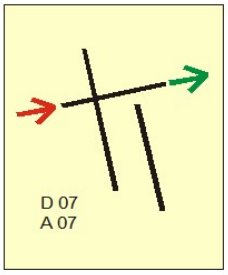
Departures to North & East
Arrivals from South

Mode 10



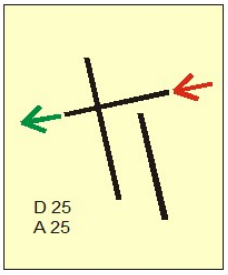
Departures to South
Arrivals from North

Mode 12



Departures to East
Arrivals from West

Mode 13



Departures to West
Arrivals from East

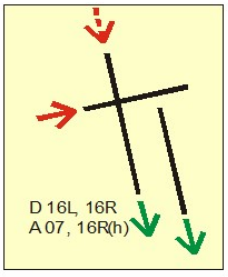
Departure

Long Haul (h) Departure

Arrival

Long Haul (h) Arrival

Mode 14a



Departures to South
Arrivals from West

Sydney Airport
Preferred Runway Selection

Effective from 1July 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 0600 To 0800 Sunday	**1.**	**SODPROPS** - Departures **16L** / Arrivals **34L**
	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 0800 To 2200 Sunday	**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)
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-Jun-2018	0	0	0	225	176	401	250	323	573	18	0	18	0	0	0	0	0	0	0	0	0	992
02-Jun-2018	0	0	0	130	104	234	221	219	440	0	0	0	1	0	1	0	0	0	0	0	0	675
03-Jun-2018	0	0	0	157	137	294	250	288	538	0	0	0	0	0	0	0	0	0	0	0	0	832
04-Jun-2018	0	0	0	189	182	371	273	287	560	1	0	1	7	0	7	0	0	0	0	0	0	939
05-Jun-2018	0	0	0	170	134	304	259	308	567	0	0	0	7	0	7	0	0	0	0	0	0	878
06-Jun-2018	0	0	0	119	80	199	165	221	386	0	0	0	118	78	196	63	85	148	0	0	0	929
07-Jun-2018	0	0	0	0	0	0	0	6	6	0	0	0	291	214	505	176	250	426	0	0	0	937
08-Jun-2018	0	0	0	0	0	0	0	9	9	1	0	1	332	227	559	170	274	444	0	0	0	1013
09-Jun-2018	1	0	1	0	30	30	13	83	96	108	1	109	158	112	270	88	117	205	0	0	0	711
-Jun-2018	0	0	0	111	112	223	226	239	465	1	0	1	5	0	5	0	0	0	0	0	0	694
11-Jun-2018	0	0	0	152	150	302	282	298	580	0	0	0	4	0	4	0	0	0	0	0	0	886
12-Jun-2018	1	0	1	0	10	10	0	11	11	0	0	0	311	198	509	134	223	357	0	0	0	888
13-Jun-2018	1	0	1	0	6	6	1	13	14	0	0	0	300	207	507	155	228	383	0	0	0	911
14-Jun-2018	0	0	0	0	0	0	0	13	13	0	0	0	308	212	520	166	248	414	0	0	0	947
15-Jun-2018	0	0	0	0	0	0	0	7	7	0	1	1	294	223	517	197	275	472	0	0	0	997
16-Jun-2018	0	0	0	0	0	0	0	2	2	0	1	1	251	163	414	113	164	277	0	0	0	694
17-Jun-2018	0	0	0	0	0	0	0	2	2	153	178	331	153	127	280	76	104	180	0	0	0	793
18-Jun-2018	0	0	0	195	145	340	279	330	609	1	0	1	2	0	2	0	0	0	0	0	0	952
19-Jun-2018	0	0	0	177	123	300	263	317	580	0	2	2	4	0	4	0	0	0	0	0	0	886
20-Jun-2018	0	0	0	160	151	311	243	306	549	52	0	52	6	0	6	0	0	0	0	0	0	918
21-Jun-2018	0	0	0	88	88	176	136	170	306	0	0	0	164	110	274	92	111	203	0	0	0	959
22-Jun-2018	0	0	0	0	14	14	0	7	7	0	0	0	316	232	548	190	258	448	0	0	0	1017
23-Jun-2018	2	0	2	0	45	45	14	68	82	79	0	79	186	121	307	88	111	199	0	0	0	714
24-Jun-2018	0	0	0	129	130	259	186	255	441	24	0	24	61	17	78	15	29	44	0	0	0	846
25-Jun-2018	0	0	0	100	80	180	170	199	369	0	0	0	122	95	217	88	113	201	0	0	0	967
26-Jun-2018	1	0	1	72	66	138	134	178	312	19	0	19	131	101	232	92	105	197	0	0	0	899
27-Jun-2018	0	0	0	68	44	112	86	122	208	0	0	0	197	141	338	113	148	261	0	0	0	919
28-Jun-2018	0	0	0	0	0	0	0	14	14	0	0	0	295	215	510	181	246	427	0	0	0	951
29-Jun-2018	0	0	0	0	0	0	0	11	11	0	1	1	297	242	539	200	250	450	0	0	0	1001
-Jun-2018	0	0	0	0	33	33	0	0	0	1	0	1	262	178	440	125	157	282	0	0	0	756
Total	6	0	6	2242	2040	4282	3451	4306	7757	458	184	642	4583	3213	7796	2522	3496	6018	0	0	0	26501

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-Jun-2018	0	0	0	139	135	274	213	239	452	18	0	18	0	0	0	0	0	0	0	0	0	744
02-Jun-2018	0	0	0	95	88	183	186	180	366	0	0	0	1	0	1	0	0	0	0	0	0	550
03-Jun-2018	0	0	0	120	106	226	210	222	432	0	0	0	0	0	0	0	0	0	0	0	0	658
04-Jun-2018	0	0	0	121	141	262	222	212	434	1	0	1	4	0	4	0	0	0	0	0	0	701
05-Jun-2018	0	0	0	110	94	204	209	235	444	0	0	0	7	0	7	0	0	0	0	0	0	655
06-Jun-2018	0	0	0	77	59	136	131	173	304	0	0	0	101	48	149	38	67	105	0	0	0	694
07-Jun-2018	0	0	0	0	0	0	0	4	4	0	0	0	235	138	373	117	212	329	0	0	0	706
08-Jun-2018	0	0	0	0	0	0	0	8	8	0	0	0	264	144	408	113	234	347	0	0	0	763
09-Jun-2018	0	0	0	0	26	26	12	71	83	87	1	88	139	84	223	57	103	160	0	0	0	580
-Jun-2018	0	0	0	90	88	178	193	200	393	1	0	1	4	0	4	0	0	0	0	0	0	576
11-Jun-2018	0	0	0	104	113	217	235	232	467	0	0	0	4	0	4	0	0	0	0	0	0	688
12-Jun-2018	0	0	0	0	10	10	0	7	7	0	0	0	246	126	372	85	187	272	0	0	0	661
13-Jun-2018	0	0	0	0	3	3	1	12	13	0	0	0	242	132	374	100	192	292	0	0	0	682
14-Jun-2018	0	0	0	0	0	0	0	12	12	0	0	0	251	135	386	108	212	320	0	0	0	718
15-Jun-2018	0	0	0	0	0	0	0	7	7	0	0	0	244	143	387	127	232	359	0	0	0	753
16-Jun-2018	0	0	0	0	0	0	0	1	1	0	0	0	207	122	329	80	148	228	0	0	0	558
17-Jun-2018	0	0	0	0	0	0	0	1	1	120	128	248	132	104	236	60	92	152	0	0	0	637
18-Jun-2018	0	0	0	131	109	240	228	252	480	0	0	0	2	0	2	0	0	0	0	0	0	722
19-Jun-2018	0	0	0	118	86	204	208	241	449	0	0	0	3	0	3	0	0	0	0	0	0	656
20-Jun-2018	0	0	0	98	114	212	196	223	419	42	0	42	6	0	6	0	0	0	0	0	0	679
21-Jun-2018	0	0	0	57	65	122	110	125	235	0	0	0	140	79	219	54	94	148	0	0	0	724
22-Jun-2018	0	0	0	0	14	14	0	6	6	0	0	0	258	148	406	125	220	345	0	0	0	771
23-Jun-2018	0	0	0	0	41	41	14	57	71	68	0	68	149	87	236	61	96	157	0	0	0	573
24-Jun-2018	0	0	0	95	105	200	147	194	341	24	0	24	57	14	71	13	24	37	0	0	0	673
25-Jun-2018	0	0	0	73	53	126	132	149	281	0	0	0	99	65	164	56	99	155	0	0	0	726
26-Jun-2018	0	0	0	51	41	92	103	135	238	17	0	17	109	69	178	51	87	138	0	0	0	663
27-Jun-2018	0	0	0	42	27	69	71	89	160	0	0	0	167	100	267	69	126	195	0	0	0	691
28-Jun-2018	0	0	0	0	0	0	0	12	12	0	0	0	233	137	370	119	205	324	0	0	0	706
29-Jun-2018	0	0	0	0	0	0	0	7	7	0	0	0	238	161	399	140	212	352	0	0	0	758
-Jun-2018	0	0	0	0	32	32	0	0	0	1	0	1	224	134	358	85	141	226	0	0	0	617
Total	0	0	0	1521	1550	3071	2821	3306	6127	379	129	508	3766	2170	5936	1658	2983	4641	0	0	0	20283

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-Jun-2018	0	0	0	86	41	127	37	84	121	0	0	0	0	0	0	0	0	0	0	0	0	248
02-Jun-2018	0	0	0	35	16	51	35	39	74	0	0	0	0	0	0	0	0	0	0	0	0	125
03-Jun-2018	0	0	0	37	31	68	40	66	106	0	0	0	0	0	0	0	0	0	0	0	0	174
04-Jun-2018	0	0	0	68	41	109	51	75	126	0	0	0	3	0	3	0	0	0	0	0	0	238
05-Jun-2018	0	0	0	60	40	100	50	73	123	0	0	0	0	0	0	0	0	0	0	0	0	223
06-Jun-2018	0	0	0	42	21	63	34	48	82	0	0	0	17	30	47	25	18	43	0	0	0	235
07-Jun-2018	0	0	0	0	0	0	0	2	2	0	0	0	56	76	132	59	38	97	0	0	0	231
08-Jun-2018	0	0	0	0	0	0	0	1	1	1	0	1	68	83	151	57	40	97	0	0	0	250
09-Jun-2018	1	0	1	0	4	4	1	12	13	21	0	21	19	28	47	31	14	45	0	0	0	131
-Jun-2018	0	0	0	21	24	45	33	39	72	0	0	0	1	0	1	0	0	0	0	0	0	118
11-Jun-2018	0	0	0	48	37	85	47	66	113	0	0	0	0	0	0	0	0	0	0	0	0	198
12-Jun-2018	1	0	1	0	0	0	0	4	4	0	0	0	65	72	137	49	36	85	0	0	0	227
13-Jun-2018	1	0	1	0	3	3	0	1	1	0	0	0	58	75	133	55	36	91	0	0	0	229
14-Jun-2018	0	0	0	0	0	0	0	1	1	0	0	0	57	77	134	58	36	94	0	0	0	229
15-Jun-2018	0	0	0	0	0	0	0	0	0	0	1	1	50	80	130	70	43	113	0	0	0	244
16-Jun-2018	0	0	0	0	0	0	0	1	1	0	1	1	44	41	85	33	16	49	0	0	0	136
17-Jun-2018	0	0	0	0	0	0	0	1	1	33	50	83	21	23	44	16	12	28	0	0	0	156
18-Jun-2018	0	0	0	64	36	100	51	78	129	1	0	1	0	0	0	0	0	0	0	0	0	230
19-Jun-2018	0	0	0	59	37	96	55	76	131	0	2	2	1	0	1	0	0	0	0	0	0	230
20-Jun-2018	0	0	0	62	37	99	47	83	130	10	0	10	0	0	0	0	0	0	0	0	0	239
21-Jun-2018	0	0	0	31	23	54	26	45	71	0	0	0	24	31	55	38	17	55	0	0	0	235
22-Jun-2018	0	0	0	0	0	0	0	1	1	0	0	0	58	84	142	65	38	103	0	0	0	246
23-Jun-2018	2	0	2	0	4	4	0	11	11	11	0	11	37	34	71	27	15	42	0	0	0	141
24-Jun-2018	0	0	0	34	25	59	39	61	100	0	0	0	4	3	7	2	5	7	0	0	0	173
25-Jun-2018	0	0	0	27	27	54	38	50	88	0	0	0	23	30	53	32	14	46	0	0	0	241
26-Jun-2018	1	0	1	21	25	46	31	43	74	2	0	2	22	32	54	41	18	59	0	0	0	236
27-Jun-2018	0	0	0	26	17	43	15	33	48	0	0	0	30	41	71	44	22	66	0	0	0	228
28-Jun-2018	0	0	0	0	0	0	0	2	2	0	0	0	62	78	140	62	41	103	0	0	0	245
29-Jun-2018	0	0	0	0	0	0	0	4	4	0	1	1	59	81	140	60	38	98	0	0	0	243
-Jun-2018	0	0	0	0	1	1	0	0	0	0	0	0	38	44	82	40	16	56	0	0	0	139
Total	6	0	6	721	490	1211	630	1000	1630	79	55	134	817	1043	1860	864	513	1377	0	0	0	6218

(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-Jun-2018	2	0	0	2	0	0	50	67	67	60	73	63	61	57	54	57	62	65	62	72	61	35	21	1	992
02-Jun-2018	0	1	0	0	1	1	39	50	67	62	61	64	37	37	46	38	28	33	34	25	18	22	10	1	675
03-Jun-2018	0	0	0	0	0	0	33	40	46	58	54	55	41	49	54	50	61	58	67	64	47	34	20	1	832
04-Jun-2018	0	1	0	1	1	4	51	70	78	67	78	61	42	42	57	54	52	59	66	61	32	37	22	3	939
05-Jun-2018	2	0	3	2	1	2	46	68	75	65	64	59	40	38	49	43	47	55	56	58	47	32	24	2	878
06-Jun-2018	7	3	4	1	4	2	49	66	66	75	64	67	46	37	44	54	46	45	57	64	53	40	32	3	929
07-Jun-2018	4	0	0	0	0	4	39	42	64	67	79	64	47	46	51	50	57	66	60	74	49	38	32	4	937
08-Jun-2018	3	0	3	4	0	3	47	77	72	69	72	70	48	48	57	64	60	62	62	66	56	44	23	3	1013
09-Jun-2018	0	0	0	1	0	3	40	50	71	57	72	66	41	40	44	37	39	31	30	35	20	23	11	0	711
10-Jun-2018	0	1	0	0	0	3	34	33	46	44	60	47	40	42	44	52	44	47	43	48	29	22	15	0	694
11-Jun-2018	0	0	2	0	0	3	43	44	61	56	71	57	44	45	60	53	63	63	62	70	39	33	16	1	886
12-Jun-2018	1	1	0	0	1	4	47	70	77	68	66	57	40	41	46	55	52	49	65	56	31	33	23	5	888
13-Jun-2018	3	2	3	2	1	4	46	64	75	56	74	56	40	45	49	55	48	65	71	51	41	35	23	2	911
14-Jun-2018	3	1	3	4	1	4	44	74	76	57	70	72	49	39	52	47	57	64	69	59	35	36	27	4	947
15-Jun-2018	3	0	3	2	2	5	49	66	75	58	75	70	48	47	63	54	63	65	71	75	42	37	24	0	997
16-Jun-2018	0	0	0	1	1	3	36	52	62	61	69	61	42	44	43	43	29	31	34	29	16	25	11	1	694
17-Jun-2018	0	0	2	0	0	3	33	38	43	48	61	46	44	36	50	47	51	58	48	55	56	49	24	1	793
18-Jun-2018	0	0	0	1	0	2	45	66	68	69	71	68	51	49	57	53	53	59	62	67	42	35	30	4	952
19-Jun-2018	2	0	2	4	1	0	43	66	60	69	64	56	46	43	48	56	50	29	55	58	53	45	30	6	886
20-Jun-2018	5	0	2	3	4	2	45	61	72	68	71	60	41	43	51	53	49	63	62	66	38	29	26	4	918
21-Jun-2018	2	0	2	4	2	3	39	76	76	63	70	67	44	42	57	54	49	61	70	62	38	41	32	5	959
22-Jun-2018	2	0	3	2	2	3	50	66	74	59	81	68	49	56	62	65	59	66	70	70	50	37	23	0	1017
23-Jun-2018	0	1	0	1	3	2	41	50	71	61	71	59	42	39	42	54	29	32	37	27	17	22	12	1	714
24-Jun-2018	1	0	1	0	0	3	34	33	50	48	66	55	45	48	60	58	56	58	68	69	44	30	19	0	846
25-Jun-2018	0	1	0	0	0	3	53	77	77	66	72	70	45	52	55	52	63	59	59	62	36	37	25	3	967
26-Jun-2018	5	1	2	3	1	3	46	70	78	65	66	60	40	41	45	47	53	57	69	59	35	26	24	3	899
27-Jun-2018	2	2	4	6	2	1	47	68	71	70	61	57	44	42	45	57	54	58	66	62	40	32	25	3	919
28-Jun-2018	4	1	1	5	1	4	42	58	68	73	71	65	38	47	53	51	50	54	66	75	47	45	25	7	951
29-Jun-2018	4	2	2	2	1	3	37	53	66	64	71	72	53	53	56	68	56	45	79	70	51	44	38	11	1001
30-Jun-2018	0	0	2	0	0	3	37	46	66	63	71	61	51	46	49	48	45	34	32	35	25	23	17	2	756
Total	55	18	44	51	30	80	1285	1761	2018	1866	2069	1853	1339	1334	1543	1569	1525	1591	1752	1744	1188	1021	684	81	26501
Avg.	1.83	0.60	1.47	1.70	1.00	2.67	42.83	58.70	67.27	62.20	68.97	61.77	44.63	44.47	51.43	52.30	50.83	53.03	58.40	58.13	39.60	34.03	22.80	2.70	883.37

(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-Jun-2018	0	0	0	1	0	0	31	34	32	34	31	32	26	29	26	23	32	33	34	34	30	18	12	1	493
02-Jun-2018	0	0	0	0	1	1	32	31	33	27	25	30	17	22	25	18	14	22	16	11	11	14	2	0	352
03-Jun-2018	0	0	0	0	0	0	26	24	22	23	18	23	13	25	27	22	27	35	37	30	25	18	12	0	407
04-Jun-2018	0	1	0	1	1	3	31	42	39	31	28	32	13	21	30	24	26	34	35	28	18	21	10	1	470
05-Jun-2018	1	0	2	1	0	2	28	39	39	28	26	29	18	22	22	12	23	30	32	31	25	18	7	1	436
06-Jun-2018	4	2	2	0	2	2	26	37	40	38	30	30	15	18	21	25	22	21	31	33	30	18	16	2	465
07-Jun-2018	1	0	0	0	0	4	22	16	39	43	30	26	21	24	22	24	27	33	33	38	27	21	14	2	467
08-Jun-2018	0	0	2	2	0	3	27	42	38	34	31	30	18	24	29	29	32	34	33	32	28	20	14	1	503
09-Jun-2018	0	0	0	0	0	3	31	31	37	25	31	26	21	22	22	19	20	19	18	14	13	14	2	0	368
10-Jun-2018	0	1	0	0	0	3	26	18	23	17	25	18	15	21	24	20	20	29	22	26	16	12	7	0	343
11-Jun-2018	0	0	1	0	0	3	30	27	28	22	30	28	15	22	30	25	29	35	36	31	20	15	10	1	438
12-Jun-2018	0	0	0	0	0	4	29	43	40	24	30	29	20	24	20	20	23	31	36	29	16	16	10	2	446
13-Jun-2018	1	1	3	0	1	3	28	37	40	25	32	24	18	25	19	24	22	37	39	24	24	20	9	1	457
14-Jun-2018	1	1	3	2	0	3	24	37	42	27	36	34	18	19	24	22	26	36	36	29	17	24	11	2	474
15-Jun-2018	1	0	2	1	1	3	28	37	43	24	34	30	20	25	29	25	28	36	41	29	24	16	14	0	491
16-Jun-2018	0	0	0	1	0	3	28	35	30	28	29	29	19	25	21	19	16	20	17	15	9	15	4	1	364
17-Jun-2018	0	0	1	0	0	3	25	20	20	24	23	17	12	20	24	24	23	23	25	26	32	23	16	1	382
18-Jun-2018	0	0	0	1	0	2	27	37	34	34	30	33	18	29	27	24	29	35	31	30	22	18	15	1	477
19-Jun-2018	0	0	2	2	0	0	26	34	37	36	26	29	17	21	23	22	22	17	26	33	33	25	12	1	444
20-Jun-2018	2	0	2	2	1	2	27	34	39	33	29	33	17	22	23	18	23	36	38	29	22	16	12	1	461
21-Jun-2018	1	0	2	2	0	3	23	39	42	32	31	33	16	20	27	23	23	32	39	30	22	23	14	3	480
22-Jun-2018	0	0	2	1	1	3	30	35	40	31	36	26	17	33	31	28	26	41	38	32	26	16	13	0	506
23-Jun-2018	0	0	0	1	1	2	33	30	37	26	27	28	18	22	21	27	15	22	21	13	9	12	4	0	369
24-Jun-2018	1	0	1	0	0	3	26	18	27	21	22	21	14	27	28	23	26	35	36	34	25	15	12	0	415
25-Jun-2018	0	1	0	0	0	3	33	40	41	31	27	33	16	27	28	22	31	33	33	28	18	22	12	1	480
26-Jun-2018	1	1	2	1	0	3	30	38	42	28	29	32	17	22	18	16	27	33	41	27	19	13	9	0	449
27-Jun-2018	1	2	2	3	1	1	31	35	41	29	25	30	17	24	20	21	24	35	39	30	24	17	11	1	464
28-Jun-2018	2	0	1	2	0	4	25	34	34	37	29	30	14	22	25	20	27	30	36	36	25	27	14	2	476
29-Jun-2018	2	1	2	1	1	3	24	27	41	29	29	27	21	26	31	35	25	24	45	38	18	22	21	4	497
30-Jun-2018	0	0	2	0	0	3	28	25	35	25	36	27	24	21	28	22	23	23	14	17	13	14	6	2	388
Total	19	11	34	25	11	75	835	976	1075	866	865	849	525	704	745	676	731	904	958	837	641	543	325	32	13262
Avg.	0.63	0.37	1.13	0.83	0.37	2.50	27.83	32.53	35.83	28.87	28.83	28.30	17.50	23.47	24.83	22.53	24.37	30.13	31.93	27.90	21.37	18.10	10.83	1.07	442.07

(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-Jun-2018	2	0	0	1	0	0	19	33	35	26	42	31	35	28	28	34	30	32	28	38	31	17	9	0	499
02-Jun-2018	0	1	0	0	0	0	7	19	34	35	36	34	20	15	21	20	14	11	18	14	7	8	8	1	323
03-Jun-2018	0	0	0	0	0	0	7	16	24	35	36	32	28	24	27	28	34	23	30	34	22	16	8	1	425
04-Jun-2018	0	0	0	0	0	1	20	28	39	36	50	29	29	21	27	30	26	25	31	33	14	16	12	2	469
05-Jun-2018	1	0	1	1	1	0	18	29	36	37	38	30	22	16	27	31	24	25	24	27	22	14	17	1	442
06-Jun-2018	3	1	2	1	2	0	23	29	26	37	34	37	31	19	23	29	24	24	26	31	23	22	16	1	464
07-Jun-2018	3	0	0	0	0	0	17	26	25	24	49	38	26	22	29	26	30	33	27	36	22	17	18	2	470
08-Jun-2018	3	0	1	2	0	0	20	35	34	35	41	40	30	24	28	35	28	28	29	34	28	24	9	2	510
09-Jun-2018	0	0	0	1	0	0	9	19	34	32	41	40	20	18	22	18	19	12	12	21	7	9	9	0	343
10-Jun-2018	0	0	0	0	0	0	8	15	23	27	35	29	25	21	20	32	24	18	21	22	13	10	8	0	351
11-Jun-2018	0	0	1	0	0	0	13	17	33	34	41	29	29	23	30	28	34	28	26	39	19	18	6	0	448
12-Jun-2018	1	1	0	0	1	0	18	27	37	44	36	28	20	17	26	35	29	18	29	27	15	17	13	3	442
13-Jun-2018	2	1	0	2	0	1	18	27	35	31	42	32	22	20	30	31	26	28	32	27	17	15	14	1	454
14-Jun-2018	2	0	0	2	1	1	20	37	34	30	34	38	31	20	28	25	31	28	33	30	18	12	16	2	473
15-Jun-2018	2	0	1	1	1	2	21	29	32	34	41	40	28	22	34	29	35	29	30	46	18	21	10	0	506
16-Jun-2018	0	0	0	0	1	0	8	17	32	33	40	32	23	19	22	24	13	11	17	14	7	10	7	0	330
17-Jun-2018	0	0	1	0	0	0	8	18	23	24	38	29	32	16	26	23	28	35	23	29	24	26	8	0	411
18-Jun-2018	0	0	0	0	0	0	18	29	34	35	41	35	33	20	30	29	24	24	31	37	20	17	15	3	475
19-Jun-2018	2	0	0	2	1	0	17	32	23	33	38	27	29	22	25	34	28	12	29	25	20	20	18	5	442
20-Jun-2018	3	0	0	1	3	0	18	27	33	35	42	27	24	21	28	35	26	27	24	37	16	13	14	3	457
21-Jun-2018	1	0	0	2	2	0	16	37	34	31	39	34	28	22	30	31	26	29	31	32	16	18	18	2	479
22-Jun-2018	2	0	1	1	1	0	20	31	34	28	45	42	32	23	31	37	33	25	32	38	24	21	10	0	511
23-Jun-2018	0	1	0	0	2	0	8	20	34	35	44	31	24	17	21	27	14	10	16	14	8	10	8	1	345
24-Jun-2018	0	0	0	0	0	0	8	15	23	27	44	34	31	21	32	35	30	23	32	35	19	15	7	0	431
25-Jun-2018	0	0	0	0	0	0	20	37	36	35	45	37	29	25	27	30	32	26	26	34	18	15	13	2	487
26-Jun-2018	4	0	0	2	1	0	16	32	36	37	37	28	23	19	27	31	26	24	28	32	16	13	15	3	450
27-Jun-2018	1	0	2	3	1	0	16	33	30	41	36	27	27	18	25	36	30	23	27	32	16	15	14	2	455
28-Jun-2018	2	1	0	3	1	0	17	24	34	36	42	35	24	25	28	31	23	24	30	39	22	18	11	5	475
29-Jun-2018	2	1	0	1	0	0	13	26	25	35	42	45	32	27	25	33	31	21	34	32	33	22	17	7	504
30-Jun-2018	0	0	0	0	0	0	9	21	31	38	35	34	27	25	21	26	22	11	18	18	12	9	11	0	368
Total	36	7	10	26	19	5	450	785	943	1000	1204	1004	814	630	798	893	794	687	794	907	547	478	359	49	13239
Avg.	1.20	0.23	0.33	0.87	0.63	0.17	15.00	26.17	31.43	33.33	40.13	33.47	27.13	21.00	26.60	29.77	26.47	22.90	26.47	30.23	18.23	15.93	11.97	1.63	441.30

(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	Mode14a 16/07	Mode 15 34R/34L	Other
01-Jun-18	07:00	00:36	-	00:44	-	-	-	15:38	-	-	-	-	-
02-Jun-18	07:00	00:40	-	-	-	-	-	16:18	-	-	-	-	-
03-Jun-18	07:00	00:35	-	-	-	-	-	16:23	-	-	-	-	-
04-Jun-18	07:00	00:25	-	-	-	-	-	16:33	-	-	-	-	-
05-Jun-18	07:00	00:24	-	-	-	-	-	16:34	-	-	-	-	-
06-Jun-18	07:00	00:17	-	-	-	-	06:38	10:03	-	-	-	-	-
07-Jun-18	07:00	00:20	-	-	-	-	16:38	-	-	-	-	-	-
08-Jun-18	07:00	00:25	-	-	-	-	16:33	-	-	-	-	-	-
09-Jun-18	07:00	00:34	00:44	05:38	-	-	09:03	00:57	-	-	-	-	-
10-Jun-18	07:00	00:32	-	-	-	-	-	16:26	-	-	-	-	-
11-Jun-18	07:00	00:34	-	-	-	-	-	16:24	-	-	-	-	-
12-Jun-18	07:00	00:29	01:41	-	-	-	14:48	-	-	-	-	-	-
13-Jun-18	07:00	00:36	00:40	-	-	-	15:41	-	-	-	-	-	-
14-Jun-18	07:00	00:35	-	-	-	-	16:23	-	-	-	-	-	-
15-Jun-18	07:00	00:23	-	-	-	-	16:35	-	-	-	-	-	-
16-Jun-18	07:00	00:39	-	-	-	-	16:19	-	-	-	-	-	-
17-Jun-18	07:00	00:18	-	-	-	-	09:27	-	-	07:13	-	-	-
18-Jun-18	07:00	00:09	-	-	-	-	-	16:49	-	-	-	-	-
19-Jun-18	07:00	00:24	-	-	-	-	-	16:34	-	-	-	-	-
20-Jun-18	07:00	00:17	-	02:56	-	-	-	13:45	-	-	-	-	-
21-Jun-18	07:00	00:17	00:45	-	-	-	07:17	08:38	-	-	-	-	-
22-Jun-18	07:00	-	01:57	-	-	-	14:34	-	-	-	-	-	-
23-Jun-18	07:00	00:44	02:15	06:08	-	-	07:51	-	-	-	-	-	-
24-Jun-18	07:00	00:31	-	01:16	-	-	03:02	12:09	-	-	-	-	-
25-Jun-18	07:00	00:15	-	-	-	-	05:59	10:44	-	-	-	-	-
26-Jun-18	07:00	00:15	-	01:40	-	-	06:50	08:13	-	-	-	-	-
27-Jun-18	07:00	00:21	-	-	-	-	11:30	05:07	-	-	-	-	-
28-Jun-18	07:00	00:08	-	-	-	-	16:50	-	-	-	-	-	-
29-Jun-18	07:00	00:14	-	-	-	-	16:44	-	-	-	-	-	-
30-Jun-18	07:00	00:29	03:38	-	-	-	12:51	-	-	-	-	-	-
Total	**210:00**	**12:54**	**11:44**	**18:24**	**00:00**	**00:00**	**241:47**	**217:26**	**00:00**	**07:13**	**00:00**	**00:00**	**00:00**
% Used		**2.53%**	**2.30%**	**3.61%**	**0.00%**	**0.00%**	**47.46%**	**42.68%**	**0.00%**	**1.42%**	**0.00%**	**0.00%**	**0.00%**

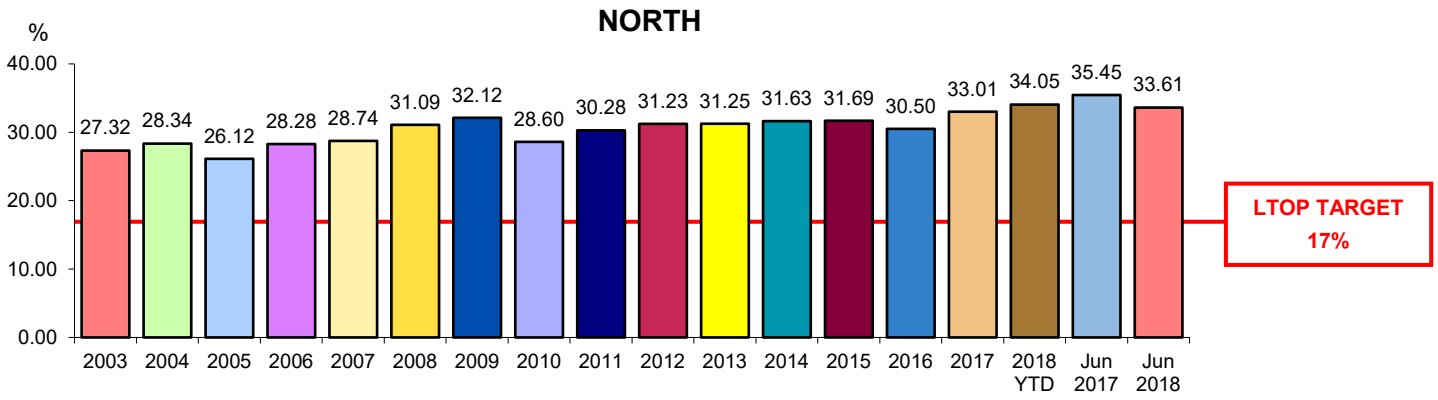
(1) Mode 15 was introduced during RESA works (commenced October 2008) and ceased being used at the completion of RESA (April 2010).

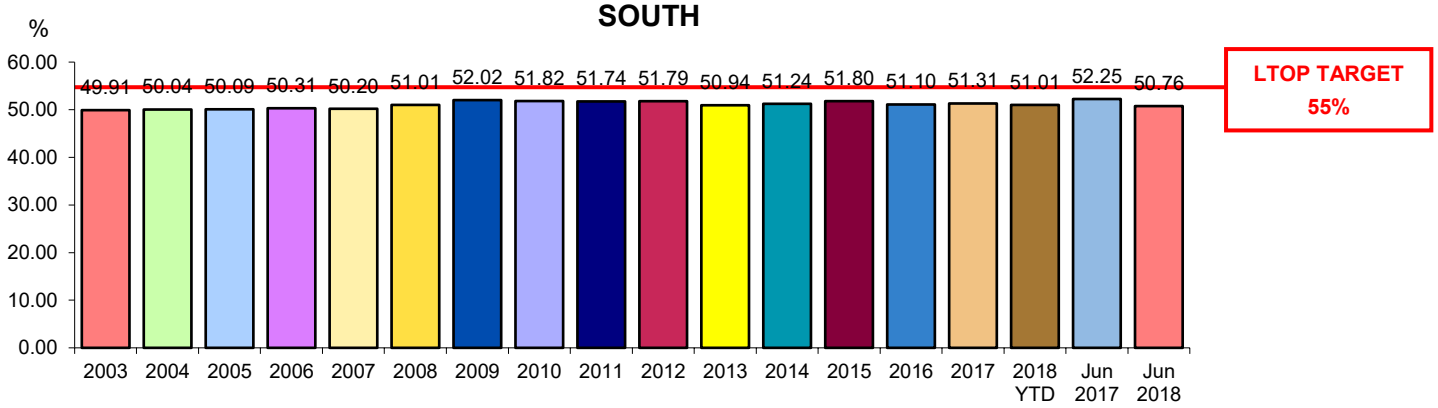
Cumulative Mode Utilisation from 1 January 2018

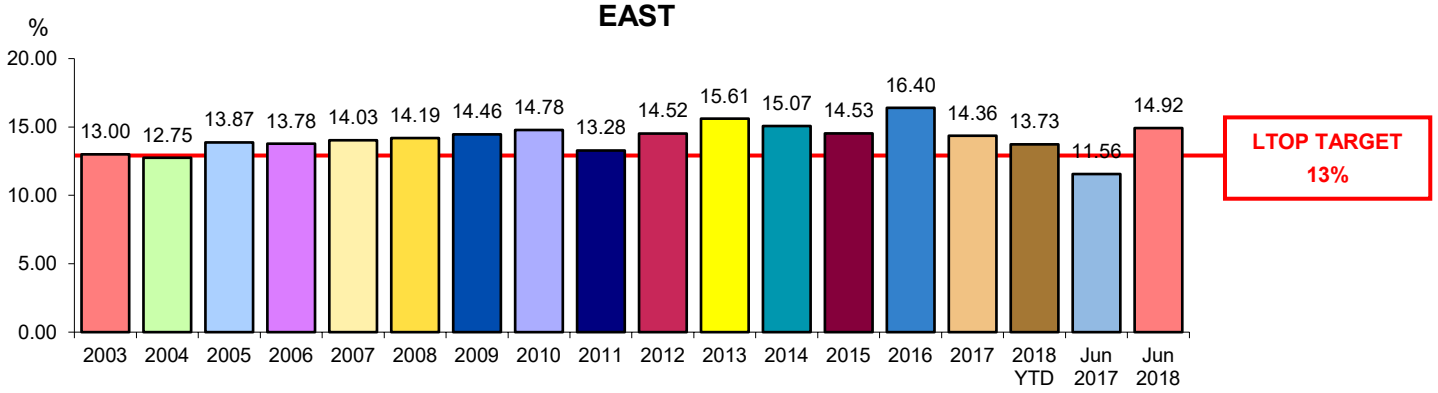
Time	**2.14%**	**3.28%**	**1.93%**	**0.22%**	**0.00%**	**45.47%**	**43.97%**	**0.00%**	**1.37%**	**1.62%**	**0.00%**	**0.00%**
Movements	**0.53%**	**2.27%**	**1.28%**	**0.15%**	**0.00%**	**47.39%**	**46.12%**	**0.00%**	**1.17%**	**1.11%**	**0.00%**	**0.00%**

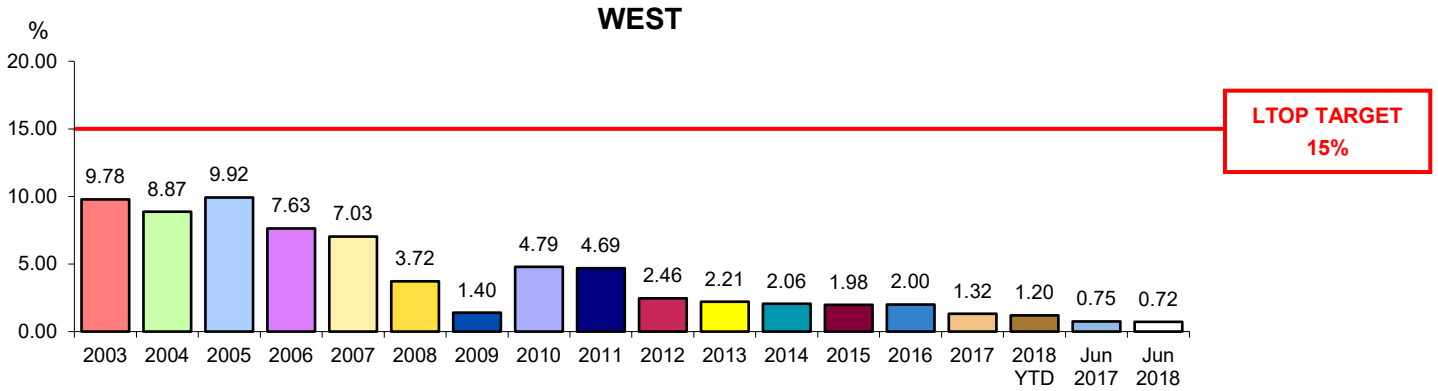
Runway End Impact to 30 June 2018

Includes comparisons with annual figures for 1998 to 2017, 2018 Year to Date, current month this year and corresponding month last year.

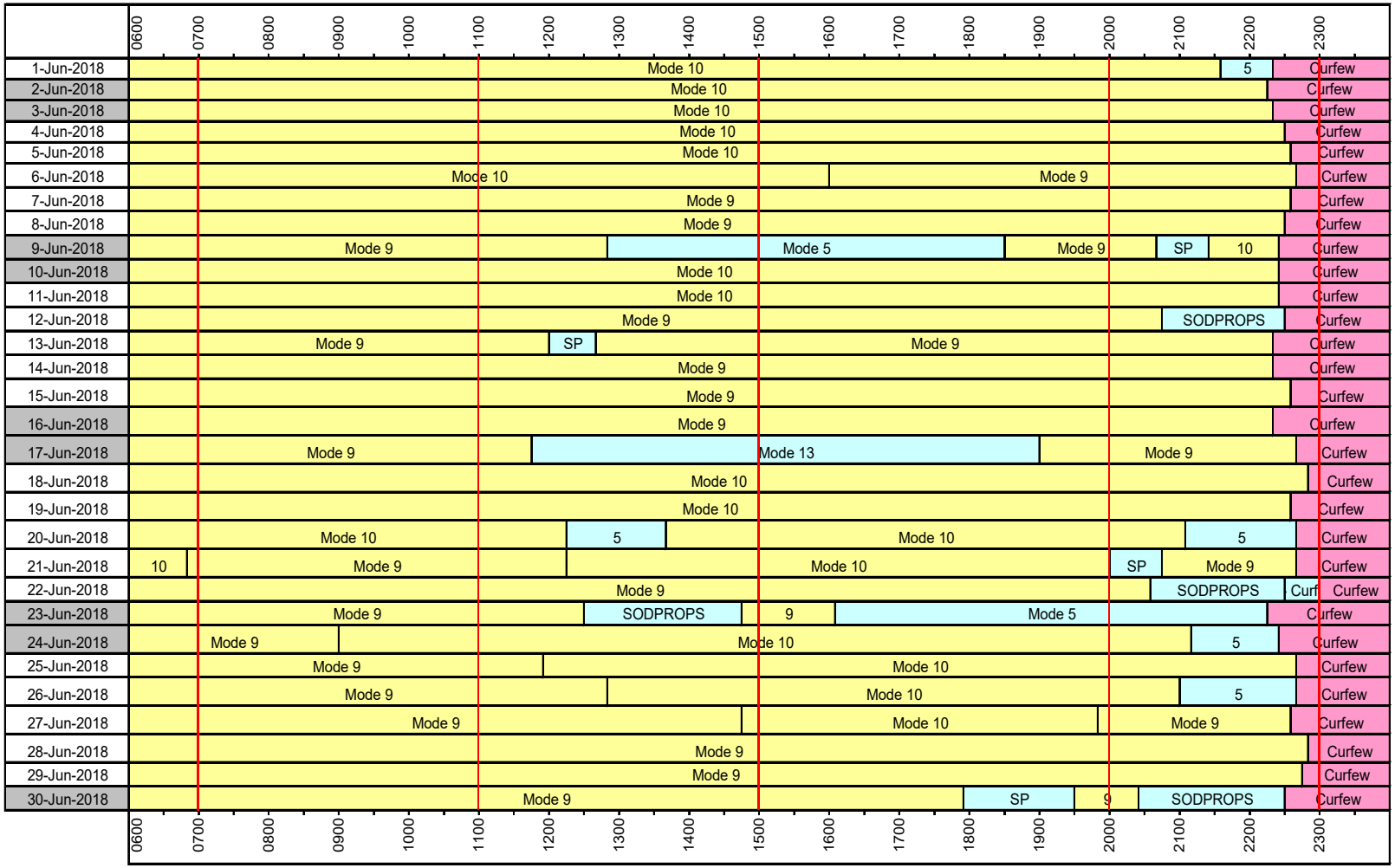








Sydney Airport - Daily Mode Usage



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 **June 2018**.

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

Date	PRM		Hours of PRM operation
	Start Time	End Time	
5/06/2018	07:00	09:05	2:05
6/06/2018	07:00	09:54	2:54
18/06/2018	06:39	09:44	3:05
19/06/2018	07:05	09:43	2:38
20/06/2018	07:04	08:58	1:54

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

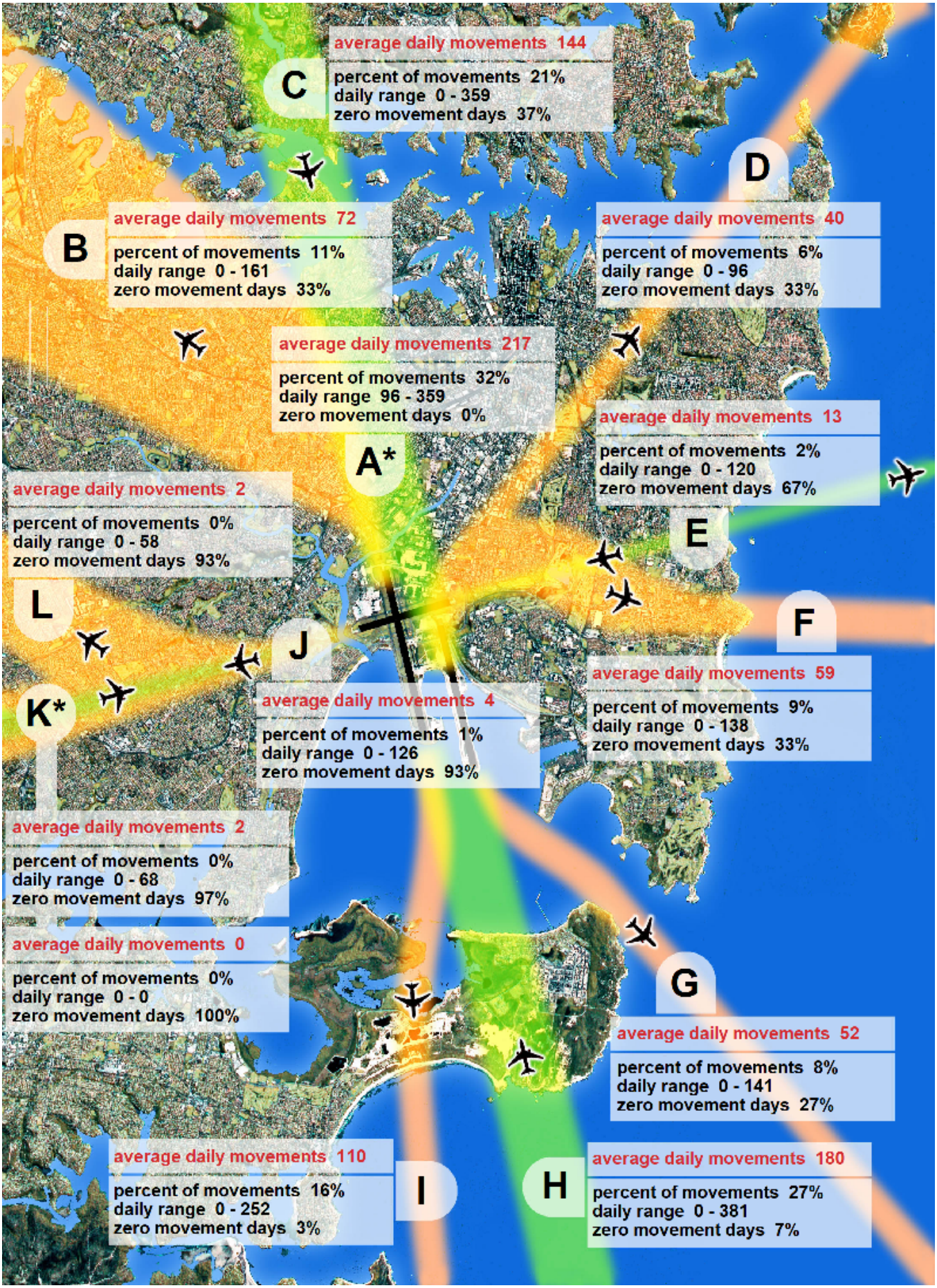
Date	Number of arrivals on Runway 16 during PRM	Runway assignment	
		16L	16R
5/06/2018	81	38	43
6/06/2018	110	52	58
18/06/2018	108	46	62
19/06/2018	96	45	51
20/06/2018	72	32	40

Noise Complaints & Information Service

The Noise Complaints & Information Service is a function of Airservices Australia located at Sydney Airport. Information on noise complaints will be published as a separate report on Airservices Australia website.

Sydney Airport : Jet Flight Path Movements

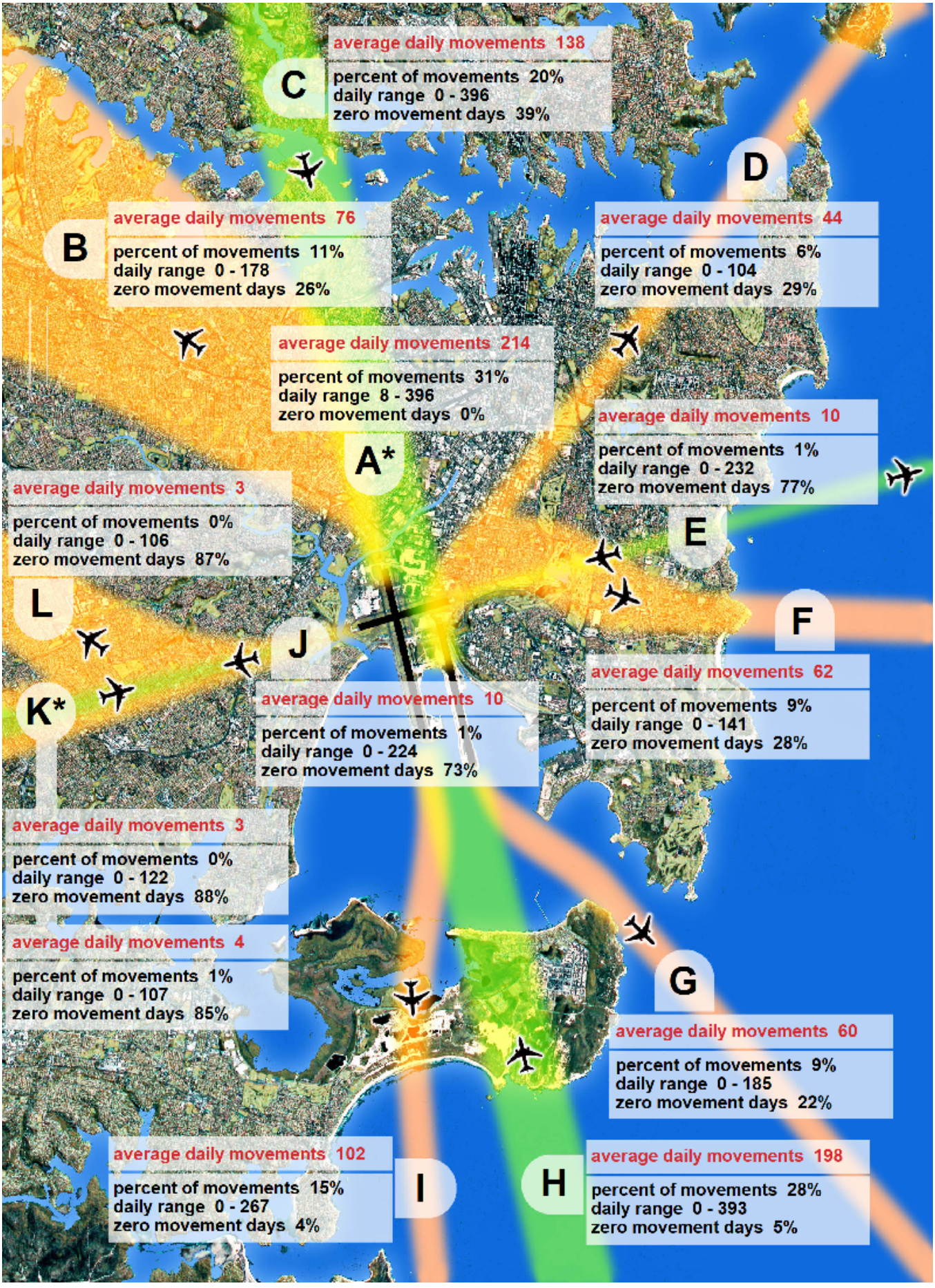
1 Jun 2018 to 30 Jun 2018, All Jets



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

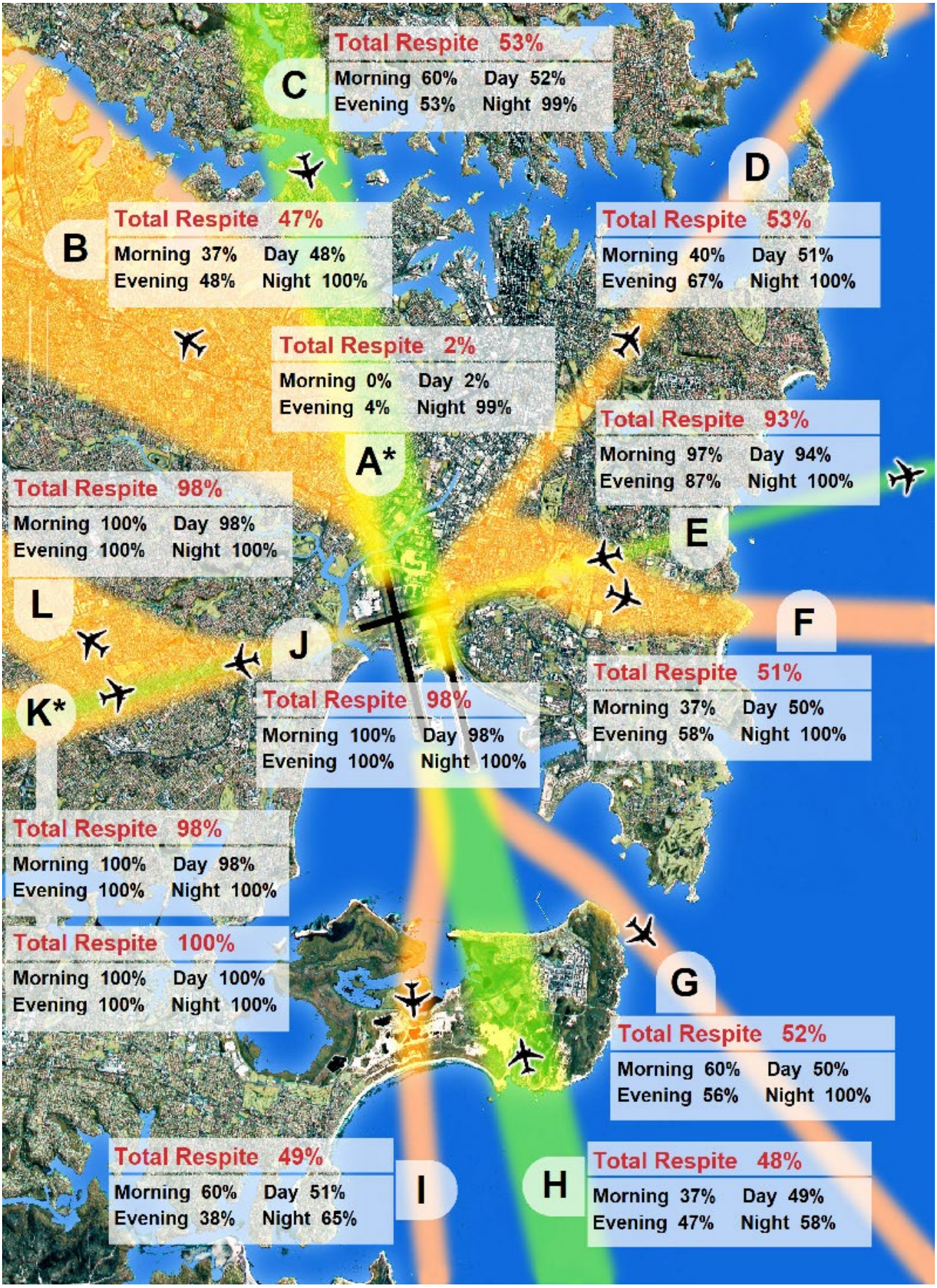
1 Jul 2017 to 30 Jun 2018, All Jets



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 Jun 2018 to 30 Jun 2018, All Jets

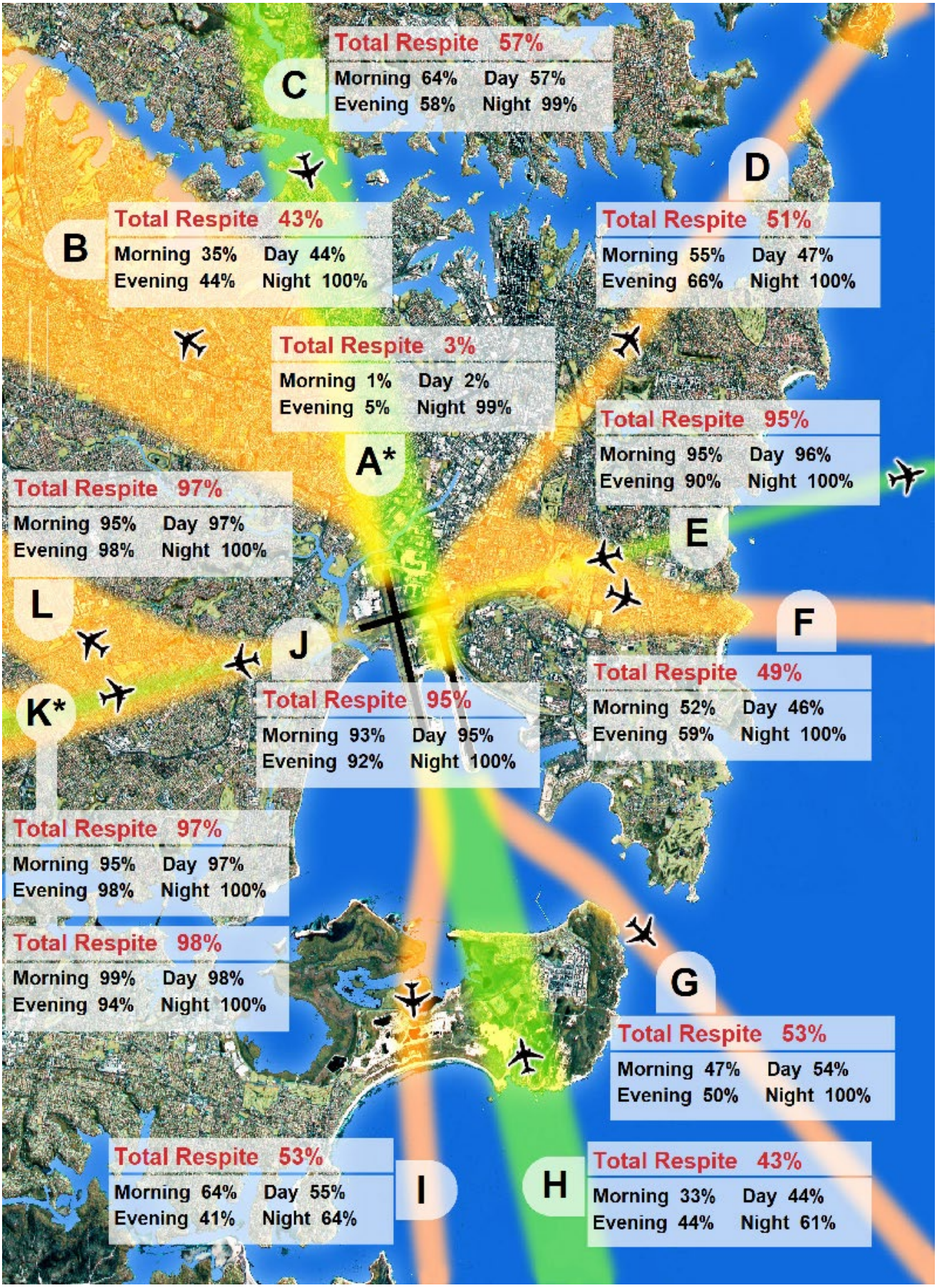


Note : Track A is Tracks B and C combined. Track K* shows departures (top box) and arrivals (bottom box).*

A respite interval is a 60 minutes 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 Jul 2017 to 30 Jun 2018, 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 minutes 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)
July 2017 to June 2018

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** Departures off runway 34L	Area mainly gets overflights (departures) from Mode 9. Due to seasonal changes in wind patterns the highest use of this Mode was in January 2018.
C	**North shore** Arrivals from the north on runways 16L and 16R	Area mainly gets overflights (arrivals) from Mode 10. Due to seasonal changes in wind patterns the highest use of this Mode was in March 2018.
D	**North-east** Departures off runway 34R to the north-east	Area gets overflights (departures) from Mode 9. Due to seasonal changes in wind patterns the highest use of Mode 9 was in January 2018.
E	**East –** Coogee Arrivals on runway 25 and departures from runway 07	Area mainly gets overflights (arrivals) from Mode 5. Due to seasonal changes in wind patterns the highest use of this Mode was in April 2018.
F	**East** – Maroubra Departures from runway 34R that turn hard east	Area gets overflights (departures) from Mode 9. Due to seasonal changes in wind patterns the highest use of Mode 9 was in January 2018.
G	**South** – Botany Bay Heads Departures from runway 16L	
H	**South** – Kurnell Peninsula Arrivals on runways 34L and 34R	Area gets overflights (arrivals) from Modes 9 & 7. Due to seasonal changes in wind patterns the highest use of Mode 9 was in January 2018 and Mode 7 was in July 2017.
I	**South** – Kurnell Sand Hills Departures from runway 16R	
J,K & L	**West** Arrivals on runway 07 and departures from runway 25	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 2017, Mode 14A in October 2017 & Mode 8 has not been used during the past 12 months.

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 July 2017 to June 2018, 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.

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 June 2018.

Figure 1. NMT sites about Sydney Airport and the daily N70 values for the month of June 2018

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 June 2018 along with the Daily N70 values for the three months up to and including June are given in Table 1.

Location	*CNE Jun*	*Operational Days Jun*	*N70 Jun*	*N70 May*	*N70 Apr*
Threshold rwy 34	*10,833*	29.9	354	359	341
Penshurst	*239*	29.9	3	14	5
Bexley	*219*	29.9	4	22	6
Sydenham	*5,721*	29.9	191	171	204
Johnston St Annandale	*3,082*	29.9	80	59	98
Church St. St Peters	*5,537*	29.9	110	93	129
Leichhardt PEMU 36	*3,646*	29.9	119	89	140
Eastlakes	*2,443*	29.9	71	84	58
Coogee	*699*	25.5	21	31	14
Kurnell	*2,782*	29.9	86	87	69
Croydon	*715*	29.9	20	21	15
Hunters Hill	*5,286*	29.9	79	58	94

Table 1 Results for each Noise Monitoring Terminal for the three months up to and including June 2018.

The N70 values for June 2018 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	17	PM	48
Day	254	Night	12
WE_D	336	WE_N	10

Penshurst			
AM	0	PM	0
Day	3	Night	0
WE_D	1	WE_N	0

Bexley			
AM	0	PM	0
Day	6	Night	0
WE_D	1	WE_N	0

Eastlakes			
AM	2	PM	7
Day	50	Night	0
WE_D	92	WE_N	0

Coogee			
AM	0	PM	5
Day	16	Night	0
WE_D	22	WE_N	0

Sydenham			
AM	12	PM	28
Day	170	Night	0
WE_D	153	WE_N	0

Leichhardt PEMU36			
AM	9	PM	17
Day	122	Night	1
WE_D	57	WE_N	0

Kurnell			
AM	4	PM	7
Day	58	Night	0
WE_D	118	WE_N	0

Annandale			
AM	4	PM	7
Day	86	Night	0
WE_D	42	WE_N	0

St Peters			
AM	6	PM	11
Day	106	Night	0
WE_D	82	WE_N	0

Croydon			
AM	0	PM	4
Day	12	Night	0
WE_D	26	WE_N	0

Hunters Hull			
AM	8	PM	12
Day	78	Night	1
WE_D	39	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.