

Sydney Airport Operational Statistics

October 2019

PREVIEW

Sydney Airport Operational Statistics Report Preview

October 2019

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

There were a total of 29,357 aircraft movements this month (daily average 947.00). Last month there were a total of 27,773 movements (daily average 925.77) and for the same month last year there were a total of 29,417 movements (daily average 948.94).

Mode Utilisation (refer pages 12 & 14)

Individual mode use in excess of 9 hours occurred on 28 days this month, Mode 9 on 15 days and Mode 10 on 13 days. Crossing runway modes (including Sodprops) were used for 7.33% 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 32.5% - This result is above the LTOP target and below the previous month (33.85%)

South 50.28% - This result is below the LTOP target and above the previous month (49.52%)

East 15.83% - This result is above the LTOP target and above the previous month (14.86%)

West 1.39% - This result is below the LTOP target and below the previous month (1.78%)

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

This procedure was used on 1, 9, 10, 11, 16 and 24 October for a total of 13 hours and 55 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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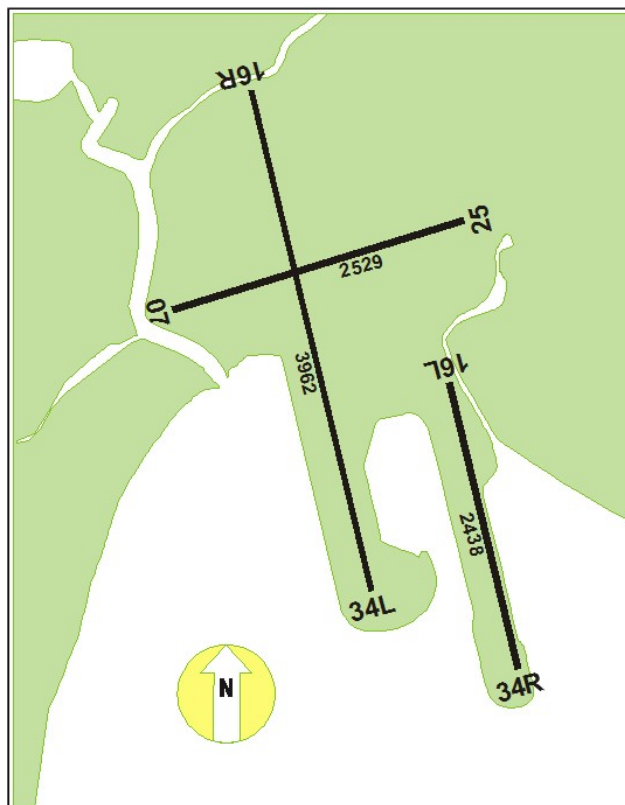
This report is available on the Internet at Airservices Australia website at

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* 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



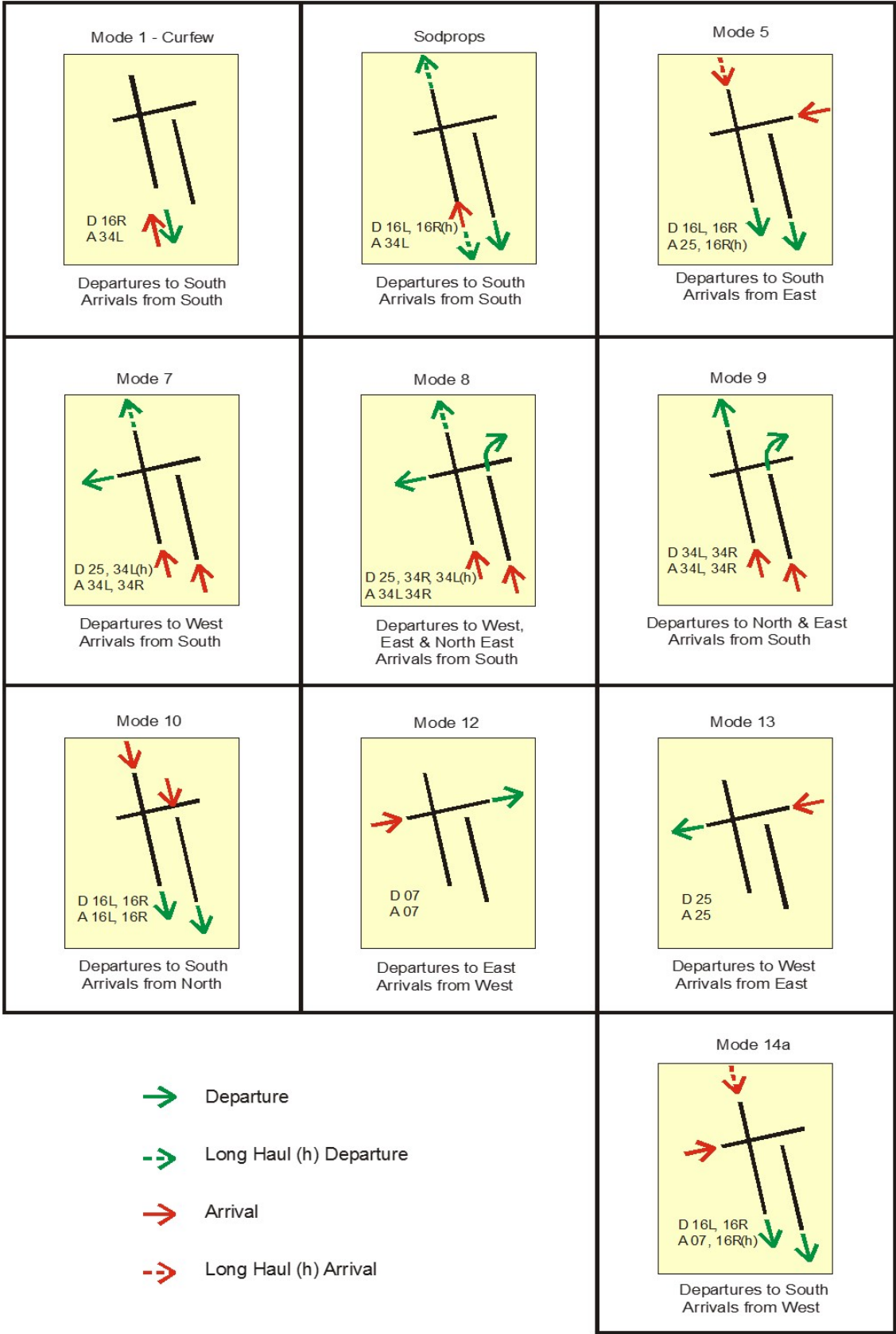
Runway numbers refer to the direction an aircraft is flying.

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-Oct-2019	0	0	0	98	98	196	112	120	232	0	0	0	150	98	248	82	103	185	0	0	0	861
02-Oct-2019	0	0	0	0	0	0	0	11	11	0	0	0	290	218	508	172	246	418	0	0	0	937
03-Oct-2019	2	0	2	0	0	0	0	9	9	0	0	0	311	233	544	203	279	482	0	0	0	1037
04-Oct-2019	0	0	0	143	101	244	169	233	402	0	0	0	124	88	212	95	106	201	0	0	0	1059
-Oct-2019	1	0	1	154	154	308	244	223	467	0	0	0	4	0	4	0	0	0	0	0	0	780
06-Oct-2019	0	1	1	0	0	0	0	3	3	0	0	0	287	179	466	116	232	348	0	0	0	818
07-Oct-2019	0	0	0	203	214	417	267	259	526	0	1	1	1	0	1	0	0	0	0	0	0	945
08-Oct-2019	0	0	0	115	87	202	157	206	363	0	0	0	123	89	212	99	111	210	0	0	0	987
09-Oct-2019	0	0	0	213	255	468	275	247	522	0	0	0	9	0	9	0	0	0	0	0	0	999
10-Oct-2019	0	0	0	227	195	422	275	313	588	0	1	1	6	0	6	0	0	0	0	0	0	1017
11-Oct-2019	0	0	0	221	152	373	255	339	594	27	25	52	8	0	8	0	0	0	0	0	0	1027
12-Oct-2019	0	0	0	149	137	286	256	246	502	0	0	0	3	0	3	0	0	0	0	0	0	791
13-Oct-2019	0	0	0	88	101	189	172	201	373	0	0	0	113	76	189	65	86	151	0	0	0	902
14-Oct-2019	0	0	0	0	15	15	0	8	8	0	0	0	318	231	549	184	251	435	0	0	0	1007
15-Oct-2019	0	0	0	0	13	13	0	12	12	0	0	0	300	206	506	180	243	423	0	0	0	954
16-Oct-2019	0	0	0	143	145	288	207	231	438	0	0	0	84	50	134	52	66	118	0	0	0	978
17-Oct-2019	0	0	0	56	43	99	56	63	119	131	155	286	151	114	265	106	121	227	0	0	0	996
18-Oct-2019	0	0	0	75	90	165	80	86	166	0	0	0	234	143	377	138	213	351	0	0	0	1059
19-Oct-2019	0	0	0	10	11	21	31	35	66	123	105	228	136	112	248	86	102	188	0	0	0	751
-Oct-2019	0	0	0	140	187	327	260	248	508	0	0	0	32	18	50	0	0	0	0	0	0	885
21-Oct-2019	0	0	0	0	14	14	0	8	8	0	0	0	310	214	524	181	253	434	0	0	0	980
22-Oct-2019	0	0	0	0	9	9	0	10	10	0	0	0	306	205	511	176	255	431	0	0	0	961
23-Oct-2019	0	0	0	0	0	0	0	12	12	0	0	0	303	214	517	182	265	447	0	0	0	976
24-Oct-2019	1	0	1	133	173	306	177	168	345	0	0	0	122	74	196	75	93	168	0	0	0	1016
25-Oct-2019	0	0	0	0	8	8	0	15	15	0	0	0	307	226	533	213	274	487	0	0	0	1043
26-Oct-2019	0	0	0	0	0	0	0	6	6	135	112	247	154	130	284	93	106	199	0	0	0	736
27-Oct-2019	0	0	0	65	124	189	131	135	266	0	0	0	161	97	258	76	99	175	0	0	0	888
28-Oct-2019	0	0	0	197	171	368	248	285	533	0	0	0	43	22	65	7	16	23	0	0	0	989
29-Oct-2019	0	0	0	0	14	14	0	14	14	0	2	2	284	212	496	200	245	445	0	0	0	971
30-Oct-2019	1	0	1	50	40	90	67	108	175	0	0	0	222	151	373	160	200	360	0	0	0	999
31-Oct-2019	1	0	1	0	0	0	0	19	19	0	0	0	298	222	520	203	265	468	0	0	0	1008
Total	6	1	7	2480	2551	5031	3439	3873	7312	416	401	817	5194	3622	8816	3144	4230	7374	0	0	0	29357

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-Oct-2019	0	0	0	59	82	141	95	88	183	0	0	0	121	58	179	57	84	141	0	0	0	644
02-Oct-2019	0	0	0	0	0	0	0	10	10	0	0	0	224	140	364	113	201	314	0	0	0	688
03-Oct-2019	0	0	0	0	0	0	0	8	8	0	0	0	249	150	399	144	240	384	0	0	0	791
04-Oct-2019	0	0	0	106	72	178	132	173	305	0	0	0	107	60	167	54	91	145	0	0	0	795
-Oct-2019	0	0	0	105	134	239	219	180	399	0	0	0	2	0	2	0	0	0	0	0	0	640
06-Oct-2019	0	1	1	0	0	0	0	2	2	0	0	0	242	133	375	95	206	301	0	0	0	679
07-Oct-2019	0	0	0	142	177	319	231	192	423	0	0	0	0	0	0	0	0	0	0	0	0	742
08-Oct-2019	0	0	0	85	61	146	129	162	291	0	0	0	110	56	166	53	100	153	0	0	0	756
09-Oct-2019	0	0	0	142	211	353	224	168	392	0	0	0	7	0	7	0	0	0	0	0	0	752
10-Oct-2019	0	0	0	150	153	303	229	230	459	0	0	0	6	0	6	0	0	0	0	0	0	768
11-Oct-2019	0	0	0	153	111	264	207	261	468	21	18	39	6	0	6	0	0	0	0	0	0	777
12-Oct-2019	0	0	0	103	114	217	218	201	419	0	0	0	1	0	1	0	0	0	0	0	0	637
13-Oct-2019	0	0	0	65	78	143	147	160	307	0	0	0	92	53	145	50	73	123	0	0	0	718
14-Oct-2019	0	0	0	0	14	14	0	5	5	0	0	0	255	150	405	119	208	327	0	0	0	751
15-Oct-2019	0	0	0	0	13	13	0	11	11	0	0	0	247	127	374	112	204	316	0	0	0	714
16-Oct-2019	0	0	0	91	110	201	161	162	323	0	0	0	72	33	105	35	57	92	0	0	0	721
17-Oct-2019	0	0	0	40	36	76	50	49	99	103	113	216	125	74	199	63	106	169	0	0	0	759
18-Oct-2019	0	0	0	39	76	115	68	57	125	0	0	0	185	83	268	103	182	285	0	0	0	793
19-Oct-2019	0	0	0	8	11	19	30	32	62	102	87	189	120	86	206	45	85	130	0	0	0	606
-Oct-2019	0	0	0	105	150	255	215	185	400	0	0	0	29	17	46	0	0	0	0	0	0	701
21-Oct-2019	0	0	0	0	14	14	0	7	7	0	0	0	251	135	386	114	210	324	0	0	0	731
22-Oct-2019	0	0	0	0	9	9	0	9	9	0	0	0	250	128	378	106	209	315	0	0	0	711
23-Oct-2019	0	0	0	0	0	0	0	11	11	0	0	0	239	131	370	121	221	342	0	0	0	723
24-Oct-2019	0	0	0	78	138	216	145	113	258	0	0	0	101	46	147	54	81	135	0	0	0	756
25-Oct-2019	0	0	0	0	8	8	0	14	14	0	0	0	251	140	391	137	229	366	0	0	0	779
26-Oct-2019	0	0	0	0	0	0	0	4	4	111	92	203	137	105	242	55	90	145	0	0	0	594
27-Oct-2019	0	0	0	54	107	161	104	102	206	0	0	0	149	64	213	44	83	127	0	0	0	707
28-Oct-2019	0	0	0	124	126	250	197	208	405	0	0	0	41	20	61	5	16	21	0	0	0	737
29-Oct-2019	0	0	0	0	14	14	0	12	12	0	0	0	240	136	376	122	201	323	0	0	0	725
30-Oct-2019	0	0	0	35	24	59	48	81	129	0	0	0	189	97	286	100	171	271	0	0	0	745
31-Oct-2019	1	0	1	0	0	0	0	17	17	0	0	0	239	140	379	136	223	359	0	0	0	756
Total	1	1	2	1684	2043	3727	2849	2914	5763	337	310	647	4287	2362	6649	2037	3571	5608	0	0	0	22396

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-Oct-2019	0	0	0	39	16	55	17	32	49	0	0	0	29	40	69	25	19	44	0	0	0	217
02-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	66	78	144	59	45	104	0	0	0	249
03-Oct-2019	2	0	2	0	0	0	0	1	1	0	0	0	62	83	145	59	39	98	0	0	0	246
04-Oct-2019	0	0	0	37	29	66	37	60	97	0	0	0	17	28	45	41	15	56	0	0	0	264
-Oct-2019	1	0	1	49	20	69	25	43	68	0	0	0	2	0	2	0	0	0	0	0	0	140
06-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	45	46	91	21	26	47	0	0	0	139
07-Oct-2019	0	0	0	61	37	98	36	67	103	0	1	1	1	0	1	0	0	0	0	0	0	203
08-Oct-2019	0	0	0	30	26	56	28	44	72	0	0	0	13	33	46	46	11	57	0	0	0	231
09-Oct-2019	0	0	0	71	44	115	51	79	130	0	0	0	2	0	2	0	0	0	0	0	0	247
10-Oct-2019	0	0	0	77	42	119	46	83	129	0	1	1	0	0	0	0	0	0	0	0	0	249
11-Oct-2019	0	0	0	68	41	109	48	78	126	6	7	13	2	0	2	0	0	0	0	0	0	250
12-Oct-2019	0	0	0	46	23	69	38	45	83	0	0	0	2	0	2	0	0	0	0	0	0	154
13-Oct-2019	0	0	0	23	23	46	25	41	66	0	0	0	21	23	44	15	13	28	0	0	0	184
14-Oct-2019	0	0	0	0	1	1	0	3	3	0	0	0	63	81	144	65	43	108	0	0	0	256
15-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	53	79	132	68	39	107	0	0	0	240
16-Oct-2019	0	0	0	52	35	87	46	69	115	0	0	0	12	17	29	17	9	26	0	0	0	257
17-Oct-2019	0	0	0	16	7	23	6	14	20	28	42	70	26	40	66	43	15	58	0	0	0	237
18-Oct-2019	0	0	0	36	14	50	12	29	41	0	0	0	49	60	109	35	31	66	0	0	0	266
19-Oct-2019	0	0	0	2	0	2	1	3	4	21	18	39	16	26	42	41	17	58	0	0	0	145
-Oct-2019	0	0	0	35	37	72	45	63	108	0	0	0	3	1	4	0	0	0	0	0	0	184
21-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	59	79	138	67	43	110	0	0	0	249
22-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	56	77	133	70	46	116	0	0	0	250
23-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	64	83	147	61	44	105	0	0	0	253
24-Oct-2019	1	0	1	55	35	90	32	55	87	0	0	0	21	28	49	21	12	33	0	0	0	260
25-Oct-2019	0	0	0	0	0	0	0	1	1	0	0	0	56	86	142	76	45	121	0	0	0	264
26-Oct-2019	0	0	0	0	0	0	0	2	2	24	20	44	17	25	42	38	16	54	0	0	0	142
27-Oct-2019	0	0	0	11	17	28	27	33	60	0	0	0	12	33	45	32	16	48	0	0	0	181
28-Oct-2019	0	0	0	73	45	118	51	77	128	0	0	0	2	2	4	2	0	2	0	0	0	252
29-Oct-2019	0	0	0	0	0	0	0	2	2	0	2	2	44	76	120	78	44	122	0	0	0	246
30-Oct-2019	1	0	1	15	16	31	19	27	46	0	0	0	33	54	87	60	29	89	0	0	0	254
31-Oct-2019	0	0	0	0	0	0	0	2	2	0	0	0	59	82	141	67	42	109	0	0	0	252
Total	5	0	5	796	508	1304	590	959	1549	79	91	170	907	1260	2167	1107	659	1766	0	0	0	6961

(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-Oct-2019	3	0	3	3	1	3	55	75	76	69	74	69	26	8	5	12	61	71	75	67	35	33	31	6	861
02-Oct-2019	1	0	1	5	1	2	0	53	78	68	68	71	44	38	59	64	58	68	70	75	44	29	33	7	937
03-Oct-2019	2	0	2	2	0	2	52	78	78	67	71	72	44	40	55	59	66	71	77	70	45	46	33	5	1037
04-Oct-2019	3	0	3	3	1	2	50	73	71	76	72	71	52	45	57	66	59	58	67	69	63	56	38	4	1059
05-Oct-2019	0	1	2	0	0	2	39	52	65	69	62	65	56	39	42	47	47	42	39	42	26	26	15	2	780
06-Oct-2019	0	0	0	2	0	1	24	43	40	51	58	54	57	41	58	47	60	63	63	51	43	27	34	1	818
07-Oct-2019	0	0	1	0	1	0	38	66	64	67	61	61	51	48	59	57	55	59	56	63	57	46	35	0	945
08-Oct-2019	3	0	0	2	3	1	39	72	79	77	67	67	54	51	51	55	53	61	67	64	46	36	32	7	987
09-Oct-2019	4	3	0	5	2	2	34	69	72	75	71	61	58	40	55	59	60	67	69	73	47	31	37	5	999
10-Oct-2019	2	2	2	3	2	0	35	67	72	69	63	67	58	44	53	63	65	69	69	71	60	40	37	4	1017
11-Oct-2019	4	2	0	4	3	1	41	70	69	67	77	70	55	48	59	59	61	58	64	62	50	43	52	8	1027
12-Oct-2019	1	1	2	0	0	0	24	59	67	63	65	61	48	52	46	48	49	48	45	37	27	29	18	1	791
13-Oct-2019	0	0	0	0	2	0	26	43	48	54	53	59	52	47	58	53	63	65	76	64	57	39	36	7	902
14-Oct-2019	3	1	0	2	0	0	40	77	78	78	70	72	57	44	57	58	58	67	60	70	43	32	35	5	1007
15-Oct-2019	5	2	1	3	2	1	41	81	73	69	74	66	50	33	51	55	44	71	61	67	46	28	27	3	954
16-Oct-2019	3	4	1	2	4	0	37	64	72	73	68	63	55	37	57	63	52	65	63	67	50	37	37	4	978
17-Oct-2019	5	1	2	4	3	1	41	74	66	76	67	68	60	35	50	45	52	49	56	46	68	57	61	9	996
18-Oct-2019	3	0	0	4	1	0	42	70	62	77	78	71	53	54	61	57	71	70	67	76	55	43	42	2	1059
19-Oct-2019	1	1	0	0	0	0	29	59	66	62	67	58	56	36	42	40	40	40	43	39	31	15	25	1	751
20-Oct-2019	1	0	0	0	1	0	29	39	46	56	60	54	49	45	58	54	62	72	68	69	55	34	30	3	885
21-Oct-2019	0	0	3	1	0	0	41	75	75	73	69	72	47	44	56	55	56	62	73	66	40	32	30	10	980
22-Oct-2019	5	1	1	3	3	1	36	79	75	76	71	62	45	41	53	59	49	67	71	61	41	26	31	4	961
23-Oct-2019	4	1	2	2	3	0	35	69	70	71	71	63	54	39	57	59	56	70	70	71	43	28	35	3	976
24-Oct-2019	5	2	1	3	2	2	38	74	73	70	69	64	56	42	55	58	57	63	74	72	50	39	43	4	1016
25-Oct-2019	4	2	1	2	3	0	37	76	71	77	71	70	49	42	61	59	60	69	64	72	65	46	32	10	1043
26-Oct-2019	0	1	1	2	1	0	27	54	66	55	62	65	54	37	42	44	39	32	41	43	27	19	22	2	736
27-Oct-2019	2	0	0	1	0	0	28	32	51	51	63	55	55	45	58	57	54	63	70	75	57	39	32	0	888
28-Oct-2019	0	0	0	0	0	0	45	55	69	60	75	71	73	55	52	58	53	60	62	78	44	33	37	9	989
29-Oct-2019	5	2	0	5	1	1	41	72	76	75	72	58	48	39	56	55	56	60	61	67	48	33	36	4	971
30-Oct-2019	5	1	1	4	1	2	39	69	73	72	74	66	46	45	56	57	52	62	68	77	50	35	38	6	999
31-Oct-2019	4	1	0	4	2	0	39	62	71	79	72	73	54	40	51	55	55	56	65	72	54	43	43	13	1008
Total	78	29	30	71	43	24	1122	2001	2112	2122	2115	2019	1616	1294	1630	1677	1723	1898	1974	1996	1467	1100	1067	149	29357
Avg.	2.52	0.94	0.97	2.29	1.39	0.77	36.19	64.55	68.13	68.45	68.23	65.13	52.13	41.74	52.58	54.10	55.58	61.23	63.68	64.39	47.32	35.48	34.42	4.81	947.00

(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-Oct-2019	1	0	1	2	0	3	31	39	40	37	32	31	15	5	4	4	33	40	41	29	21	16	15	2	442
02-Oct-2019	0	0	1	2	1	2	0	32	43	28	22	36	20	20	29	30	28	42	34	32	25	16	15	4	462
03-Oct-2019	1	0	2	0	0	2	31	44	42	28	31	33	15	23	30	26	34	35	42	29	25	25	18	0	516
04-Oct-2019	1	0	3	1	1	2	29	39	43	36	31	32	20	24	30	31	26	31	32	33	34	33	17	2	531
05-Oct-2019	0	1	2	0	0	2	29	31	32	32	24	29	20	24	25	21	26	25	23	22	13	12	9	1	403
06-Oct-2019	0	0	0	2	0	1	12	26	21	25	24	22	19	20	28	23	29	38	32	24	25	14	18	0	403
07-Oct-2019	0	0	1	0	1	0	18	37	38	30	27	25	21	25	30	24	26	29	31	31	32	30	15	0	471
08-Oct-2019	2	0	0	1	2	0	20	39	44	41	31	31	22	28	22	25	22	33	37	30	25	22	13	4	494
09-Oct-2019	2	0	0	4	1	1	16	34	39	40	34	30	22	25	29	25	27	33	40	30	27	22	15	1	497
10-Oct-2019	1	0	2	1	1	0	16	37	41	34	28	37	22	21	27	30	30	35	34	36	33	26	15	1	508
11-Oct-2019	2	1	0	2	3	0	21	40	36	36	37	33	21	23	27	30	25	30	30	30	26	26	28	4	511
12-Oct-2019	1	1	1	0	0	0	15	35	39	30	27	25	23	30	23	22	30	26	21	18	18	16	7	0	408
13-Oct-2019	0	0	0	0	2	0	14	24	24	27	21	22	19	25	26	25	32	32	43	25	32	22	19	4	438
14-Oct-2019	0	1	0	2	0	0	18	43	46	36	31	36	20	26	25	28	28	35	32	32	25	20	16	2	502
15-Oct-2019	2	1	1	2	1	0	18	43	43	39	36	32	19	18	23	24	20	39	33	33	26	16	10	1	480
16-Oct-2019	2	2	1	1	1	0	20	37	37	35	31	31	20	18	31	28	25	32	35	29	32	21	16	1	486
17-Oct-2019	3	0	2	2	2	0	19	39	39	40	32	35	23	20	21	20	23	24	23	24	39	34	35	1	500
18-Oct-2019	1	0	0	3	0	0	23	33	37	42	36	31	20	28	35	23	35	37	34	36	29	25	18	1	527
19-Oct-2019	1	1	0	0	0	0	18	36	40	27	27	28	20	22	22	20	23	23	23	17	18	9	11	0	386
20-Oct-2019	0	0	0	0	1	0	17	25	24	23	27	18	17	23	31	25	30	37	35	34	31	17	16	1	432
21-Oct-2019	0	0	2	1	0	0	18	42	44	40	29	34	15	25	27	23	30	35	38	26	24	21	14	3	491
22-Oct-2019	2	0	1	2	1	1	18	42	45	41	30	31	19	25	21	23	25	39	35	27	24	17	11	2	482
23-Oct-2019	2	0	1	1	1	0	16	37	40	38	35	27	22	21	26	29	26	37	38	31	24	17	16	0	485
24-Oct-2019	3	1	1	1	1	1	19	40	40	36	31	30	23	23	26	25	26	38	39	30	28	26	18	2	508
25-Oct-2019	3	0	1	1	1	0	20	42	42	45	29	29	19	21	32	28	25	37	35	32	32	25	20	1	520
26-Oct-2019	0	0	0	2	1	0	19	35	38	27	28	28	22	22	21	20	19	18	25	21	14	12	8	2	382
27-Oct-2019	0	0	0	1	0	0	17	19	30	22	26	17	23	24	27	27	24	31	42	35	30	21	17	0	433
28-Oct-2019	0	0	0	0	0	0	23	30	35	31	36	36	33	24	23	27	24	32	36	38	27	18	20	2	495
29-Oct-2019	2	0	0	3	1	0	21	42	43	32	32	29	23	21	24	25	27	31	30	31	30	22	14	1	484
30-Oct-2019	3	0	1	2	1	1	18	36	37	39	37	33	24	17	27	27	25	32	35	34	27	22	21	1	500
31-Oct-2019	2	0	0	2	1	0	19	32	42	43	32	33	20	25	23	26	23	33	37	34	23	24	25	3	502
Total	37	9	24	41	25	16	593	1110	1184	1060	934	924	641	696	795	764	826	1019	1045	913	819	647	510	47	14679
Avg.	1.19	0.29	0.77	1.32	0.81	0.52	19.13	35.81	38.19	34.19	30.13	29.81	20.68	22.45	25.65	24.65	26.65	32.87	33.71	29.45	26.42	20.87	16.45	1.52	473.52

(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-Oct-2019	2	0	2	1	1	0	24	36	36	32	42	38	11	3	1	8	28	31	34	38	14	17	16	4	419
02-Oct-2019	1	0	0	3	0	0	0	21	35	40	46	35	24	18	30	34	30	26	36	43	19	13	18	3	475
03-Oct-2019	1	0	0	2	0	0	21	34	36	39	40	39	29	17	25	33	32	36	35	41	20	21	15	5	521
04-Oct-2019	2	0	0	2	0	0	21	34	28	40	41	39	32	21	27	35	33	27	35	36	29	23	21	2	528
05-Oct-2019	0	0	0	0	0	0	10	21	33	37	38	36	36	15	17	26	21	17	16	20	13	14	6	1	377
06-Oct-2019	0	0	0	0	0	0	12	17	19	26	34	32	38	21	30	24	31	25	31	27	18	13	16	1	415
07-Oct-2019	0	0	0	0	0	0	20	29	26	37	34	36	30	23	29	33	29	30	25	32	25	16	20	0	474
08-Oct-2019	1	0	0	1	1	1	19	33	35	36	36	36	32	23	29	30	31	28	30	34	21	14	19	3	493
09-Oct-2019	2	3	0	1	1	1	18	35	33	35	37	31	36	15	26	34	33	34	29	43	20	9	22	4	502
10-Oct-2019	1	2	0	2	1	0	19	30	31	35	35	30	36	23	26	33	35	34	35	35	27	14	22	3	509
11-Oct-2019	2	1	0	2	0	1	20	30	33	31	40	37	34	25	32	29	36	28	34	32	24	17	24	4	516
12-Oct-2019	0	0	1	0	0	0	9	24	28	33	38	36	25	22	23	26	19	22	24	19	9	13	11	1	383
13-Oct-2019	0	0	0	0	0	0	12	19	24	27	32	37	33	22	32	28	31	33	33	39	25	17	17	3	464
14-Oct-2019	3	0	0	0	0	0	22	34	32	42	39	36	37	18	32	30	30	32	28	38	18	12	19	3	505
15-Oct-2019	3	1	0	1	1	1	23	38	30	30	38	34	31	15	28	31	24	32	28	34	20	12	17	2	474
16-Oct-2019	1	2	0	1	3	0	17	27	35	38	37	32	35	19	26	35	27	33	28	38	18	16	21	3	492
17-Oct-2019	2	1	0	2	1	1	22	35	27	36	35	33	37	15	29	25	29	25	33	22	29	23	26	8	496
18-Oct-2019	2	0	0	1	1	0	19	37	25	35	42	40	33	26	26	34	36	33	33	40	26	18	24	1	532
19-Oct-2019	0	0	0	0	0	0	11	23	26	35	40	30	36	14	20	20	17	17	20	22	13	6	14	1	365
20-Oct-2019	1	0	0	0	0	0	12	14	22	33	33	36	32	22	27	29	32	35	33	35	24	17	14	2	453
21-Oct-2019	0	0	1	0	0	0	23	33	31	33	40	38	32	19	29	32	26	27	35	40	16	11	16	7	489
22-Oct-2019	3	1	0	1	2	0	18	37	30	35	41	31	26	16	32	36	24	28	36	34	17	9	20	2	479
23-Oct-2019	2	1	1	1	2	0	19	32	30	33	36	36	32	18	31	30	30	33	32	40	19	11	19	3	491
24-Oct-2019	2	1	0	2	1	1	19	34	33	34	38	34	33	19	29	33	31	25	35	42	22	13	25	2	508
25-Oct-2019	1	2	0	1	2	0	17	34	29	32	42	41	30	21	29	31	35	32	29	40	33	21	12	9	523
26-Oct-2019	0	1	1	0	0	0	8	19	28	28	34	37	32	15	21	24	20	14	16	22	13	7	14	0	354
27-Oct-2019	2	0	0	0	0	0	11	13	21	29	37	38	32	21	31	30	30	32	28	40	27	18	15	0	455
28-Oct-2019	0	0	0	0	0	0	22	25	34	29	39	35	40	31	29	31	29	28	26	40	17	15	17	7	494
29-Oct-2019	3	2	0	2	0	1	20	30	33	43	40	29	25	18	32	30	29	29	31	36	18	11	22	3	487
30-Oct-2019	2	1	0	2	0	1	21	33	36	33	37	33	22	28	29	30	27	30	33	43	23	13	17	5	499
31-Oct-2019	2	1	0	2	1	0	20	30	29	36	40	40	34	15	28	29	32	23	28	38	31	19	18	10	506
Total	41	20	6	30	18	8	529	891	928	1062	1181	1095	975	598	835	913	897	879	929	1083	648	453	557	102	14678
Avg.	1.32	0.65	0.19	0.97	0.58	0.26	17.06	28.74	29.94	34.26	38.10	35.32	31.45	19.29	26.94	29.45	28.94	28.35	29.97	34.94	20.90	14.61	17.97	3.29	473.48

(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.

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-Oct-19	07:00	00:21	-	-	-	-	10:40	05:57	-	-	-	-	-
02-Oct-19	07:00	00:15	-	-	-	-	16:43	-	-	-	-	-	-
03-Oct-19	07:00	00:22	-	-	-	-	16:36	-	-	-	-	-	-
04-Oct-19	07:00	00:10	00:23	-	-	-	05:36	10:49	-	-	-	-	-
05-Oct-19	07:00	00:28	-	-	-	-	-	16:30	-	-	-	-	-
06-Oct-19	07:00	00:22	-	-	-	-	16:36	-	-	-	-	-	-
07-Oct-19	07:00	00:19	-	-	-	-	-	16:39	-	-	-	-	-
08-Oct-19	07:00	00:00	-	-	-	-	06:16	10:42	-	-	-	-	-
09-Oct-19	07:00	00:10	-	-	-	-	-	16:48	-	-	-	-	-
10-Oct-19	07:00	00:02	-	-	-	-	-	16:56	-	-	-	-	-
11-Oct-19	07:00	-	-	-	-	-	-	15:58	-	01:01	-	-	-
12-Oct-19	07:00	00:27	-	-	-	-	-	16:31	-	-	-	-	-
13-Oct-19	07:00	00:14	-	-	-	-	05:40	11:04	-	-	-	-	-
14-Oct-19	07:00	00:17	00:50	-	-	-	15:51	-	-	-	-	-	-
15-Oct-19	07:00	00:26	00:45	-	-	-	15:47	-	-	-	-	-	-
16-Oct-19	07:00	00:17	-	-	-	-	04:45	11:55	-	-	-	-	-
17-Oct-19	07:00	00:06	00:31	-	-	-	07:30	03:01	-	05:50	-	-	-
18-Oct-19	07:00	00:12	-	-	-	-	12:12	04:34	-	-	-	-	-
19-Oct-19	07:00	00:20	00:55	-	-	-	07:15	02:47	-	05:40	-	-	-
20-Oct-19	07:00	00:18	01:33	-	-	-	-	15:07	-	-	-	-	-
21-Oct-19	07:00	00:21	00:49	-	-	-	15:48	-	-	-	-	-	-
22-Oct-19	07:00	00:15	00:43	-	-	-	16:00	-	-	-	-	-	-
23-Oct-19	07:00	00:19	00:07	-	-	-	16:32	-	-	-	-	-	-
24-Oct-19	07:00	00:16	-	-	-	-	06:00	10:42	-	-	-	-	-
25-Oct-19	07:00	00:35	00:39	-	-	-	15:44	-	-	-	-	-	-
26-Oct-19	07:00	00:37	-	-	-	-	10:00	-	-	06:21	-	-	-
27-Oct-19	07:00	00:21	02:01	-	-	-	06:40	07:56	-	-	-	-	-
28-Oct-19	07:00	00:19	-	-	-	-	02:09	14:30	-	-	-	-	-
29-Oct-19	07:00	00:21	00:45	-	-	-	15:52	-	-	-	-	-	-
30-Oct-19	07:00	00:22	-	-	-	-	11:56	04:40	-	-	-	-	-
31-Oct-19	07:00	00:15	-	-	-	-	16:43	-	-	-	-	-	-
Total	217:00	09:36	10:06	00:00	00:00	00:00	275:02	213:19	00:00	18:53	00:00	00:00	00:00
% Used		1.82%	1.92%	0.00%	0.00%	0.00%	52.19%	40.48%	0.00%	3.59%	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).

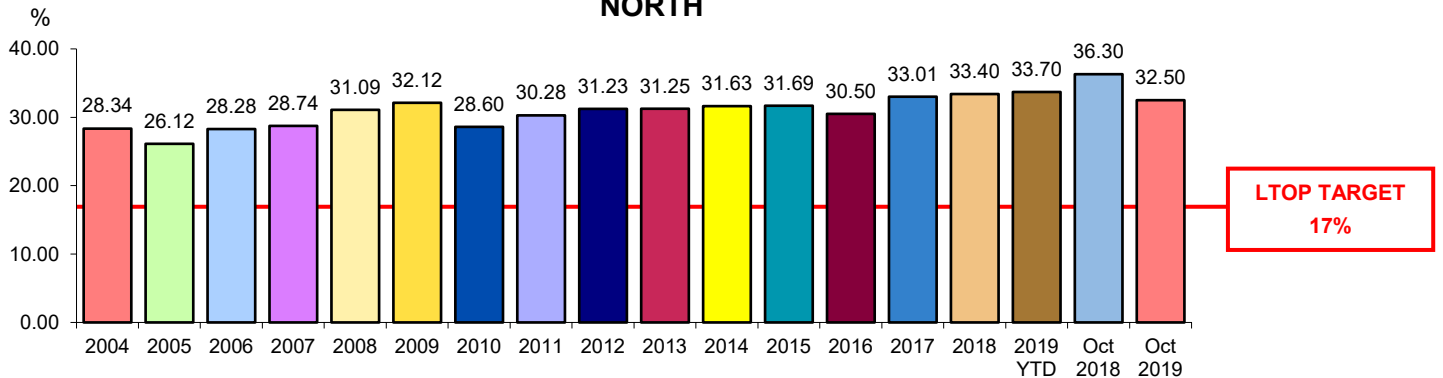
Cumulative Mode Utilisation from 1 January 2019

Time	2.06%	3.04%	0.15%	0.01%	0.00%	48.13%	43.33%	0.01%	2.94%	0.04%	0.00%	0.29%
Movements	0.48%	2.09%	0.11%	0.01%	0.00%	50.21%	44.40%	0.00%	2.43%	0.03%	0.00%	0.25%

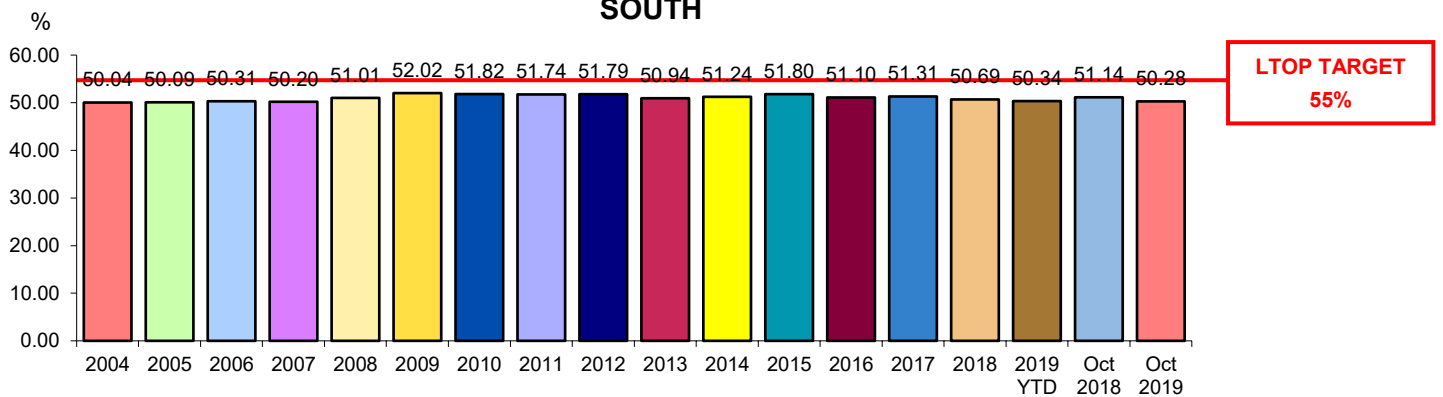
Runway End Impact to 31 October 2019

Includes comparisons with annual figures for 1998 to 2018, 2019 Year to Date, current month this year and corresponding month last year.

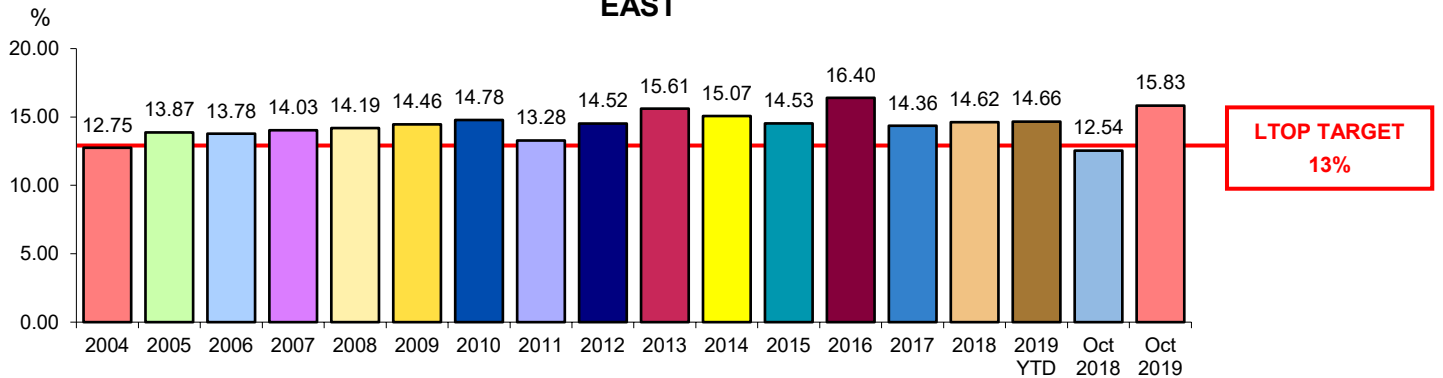
NORTH



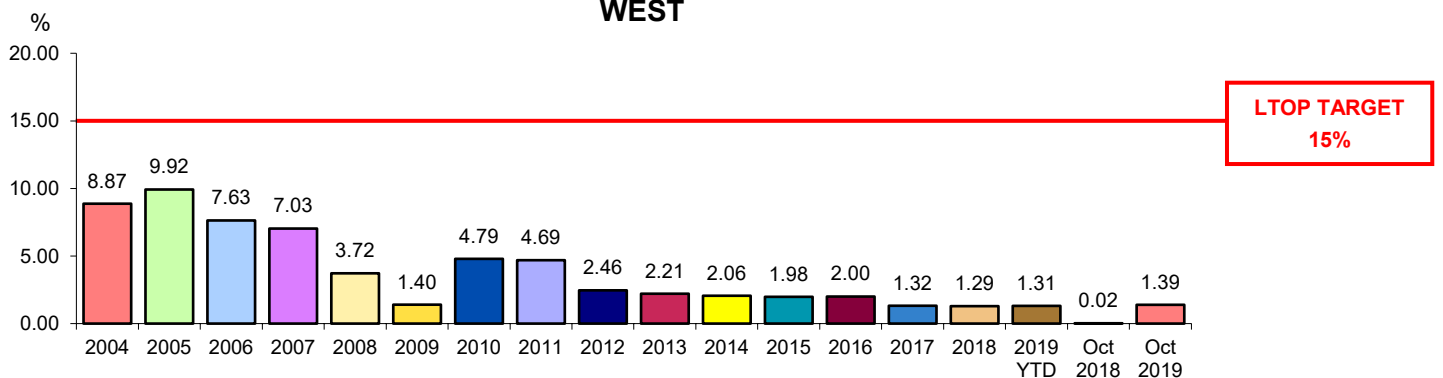
SOUTH



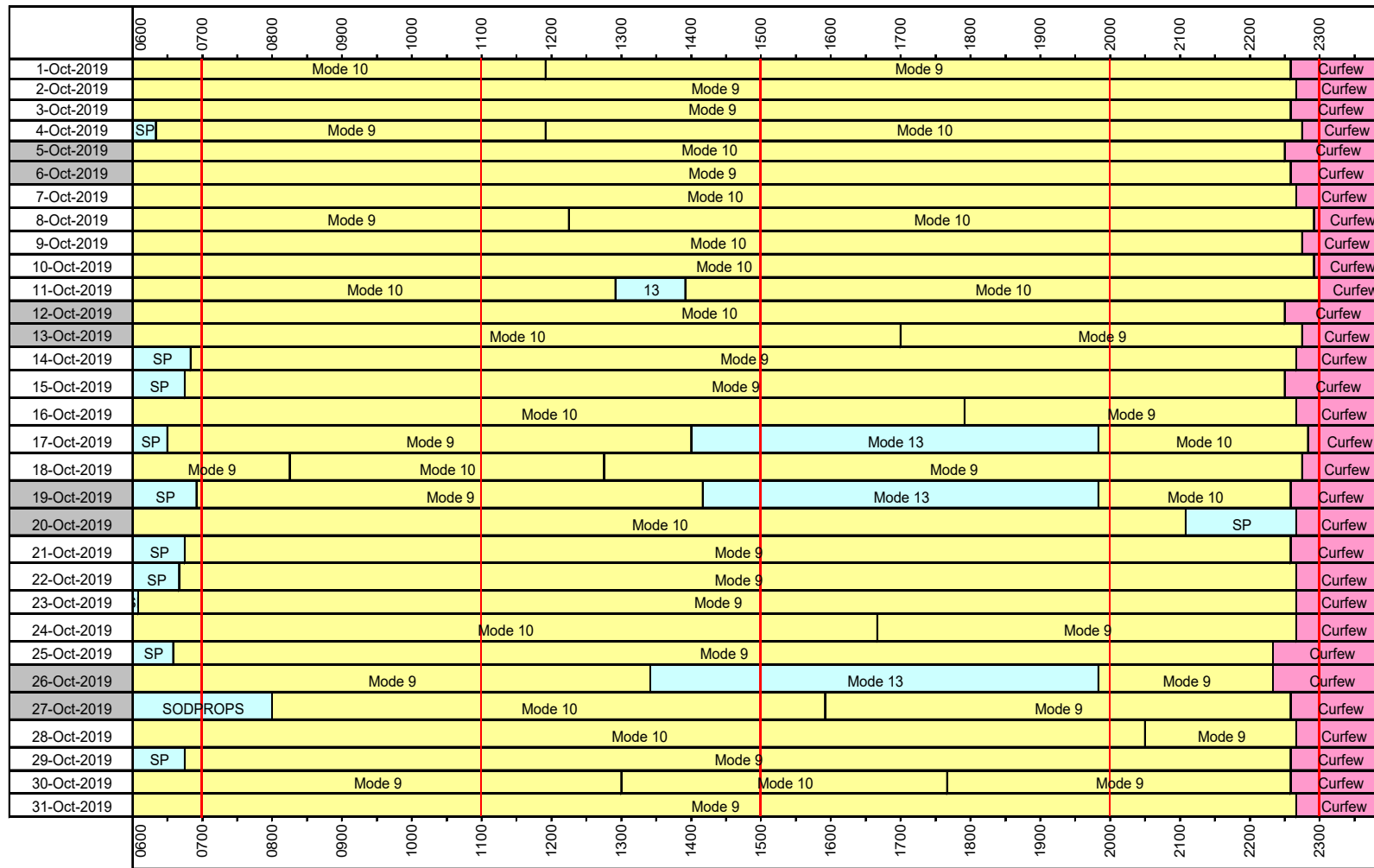
EAST



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

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 **October 2019**.

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

Date	PRM		Hours of PRM operation
	Start Time	End Time	
1/10/2019	07:00	09:24	2:24
9/10/2019	08:03	09:48	1:45
10/10/2019	08:49	09:58	1:09
11/10/2019	07:00	08:15	1:15
11/10/2019	09:06	10:35	1:29
16/10/2019	07:00	10:30	3:30
24/10/2019	07:00	09:23	2:23

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

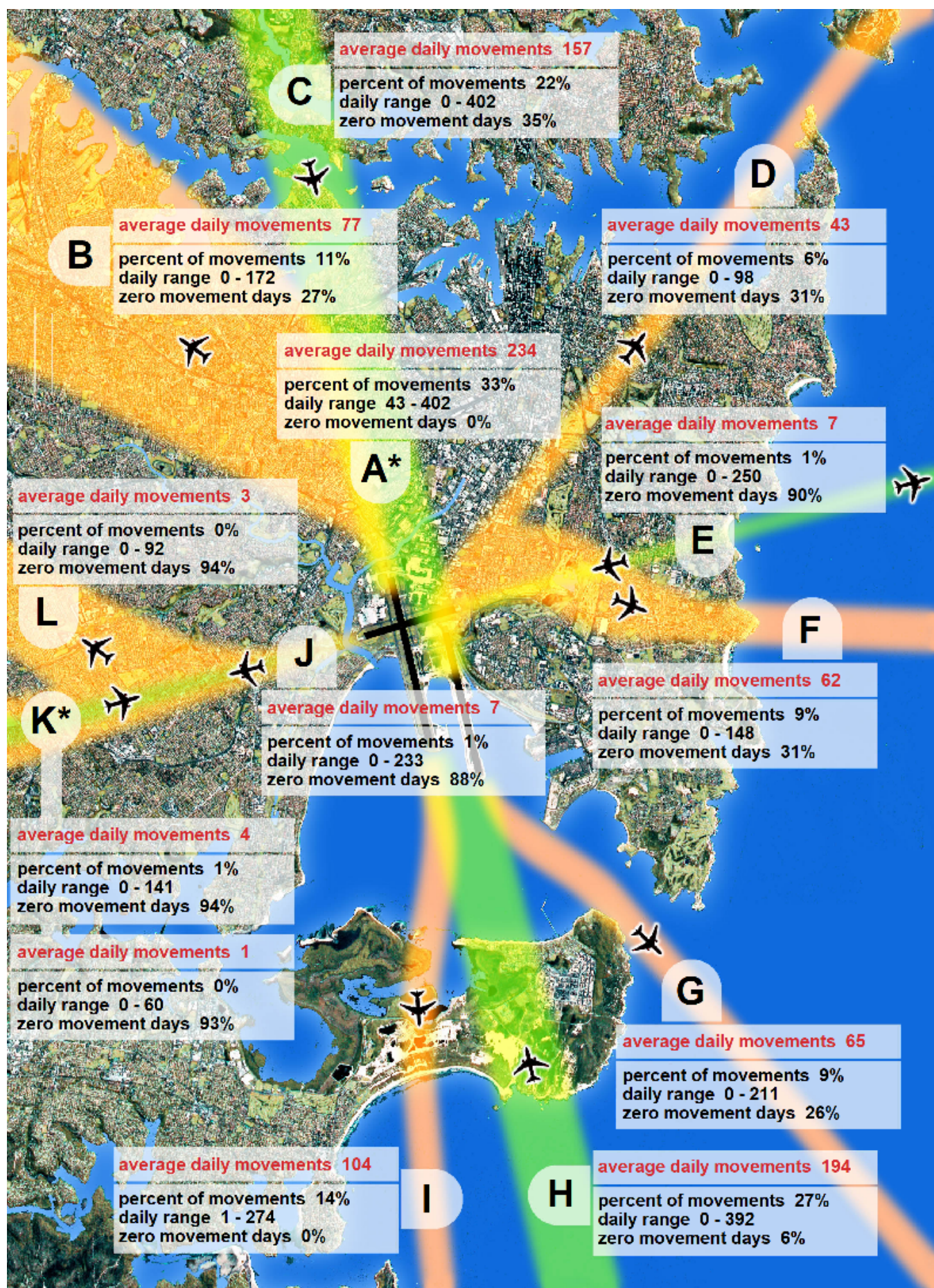
Date	Number of arrivals on Runway 16 during PRM	Runway assignment	
		16L	16R
1/10/2019	96	47	49
9/10/2019	69	34	35
10/10/2019	41	21	20
11/10/2019	104	49	55
16/10/2019	125	60	65
24/10/2019	95	44	51

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

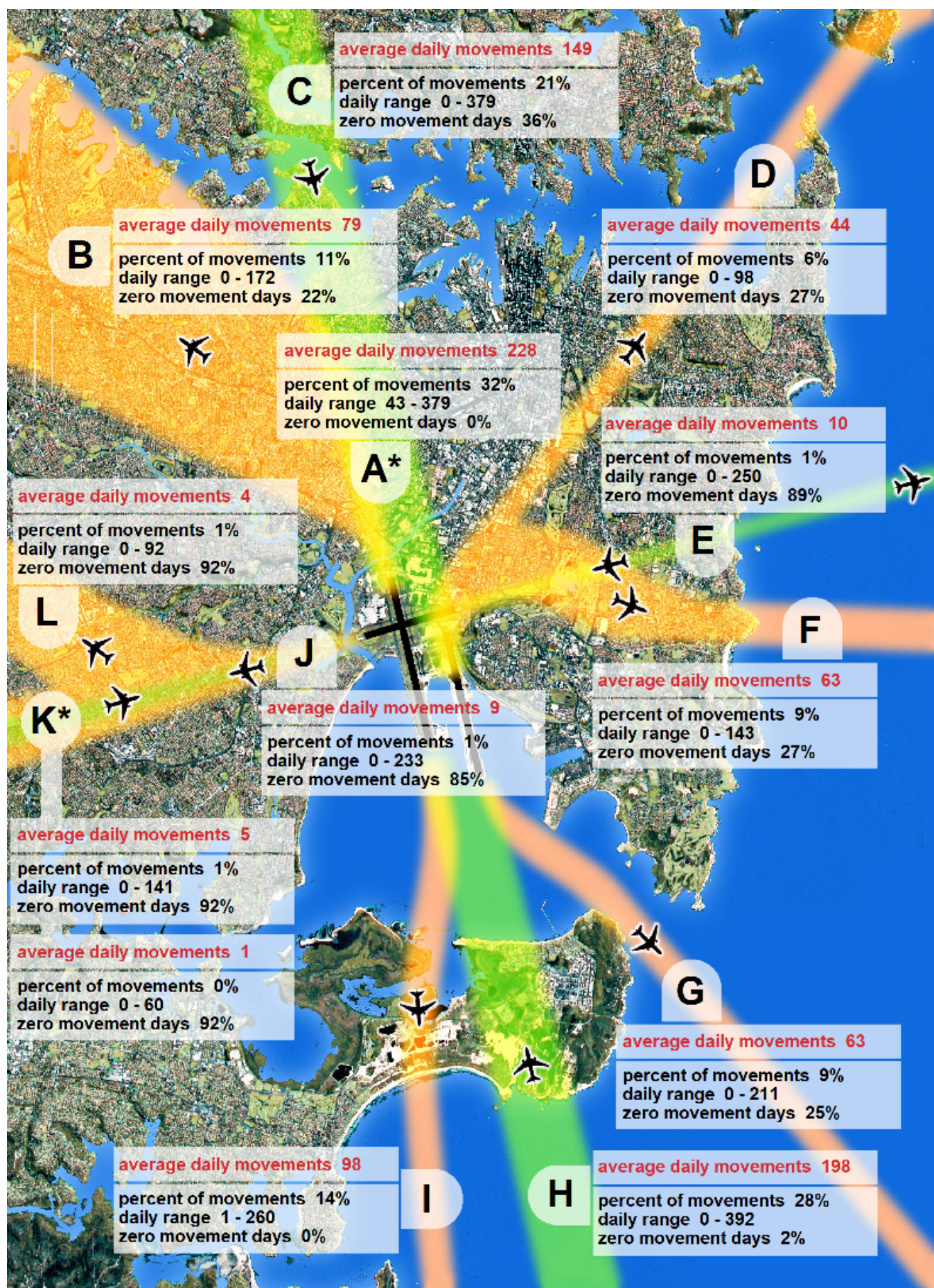
1 Oct 2019 to 31 Oct 2019, All Jets



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

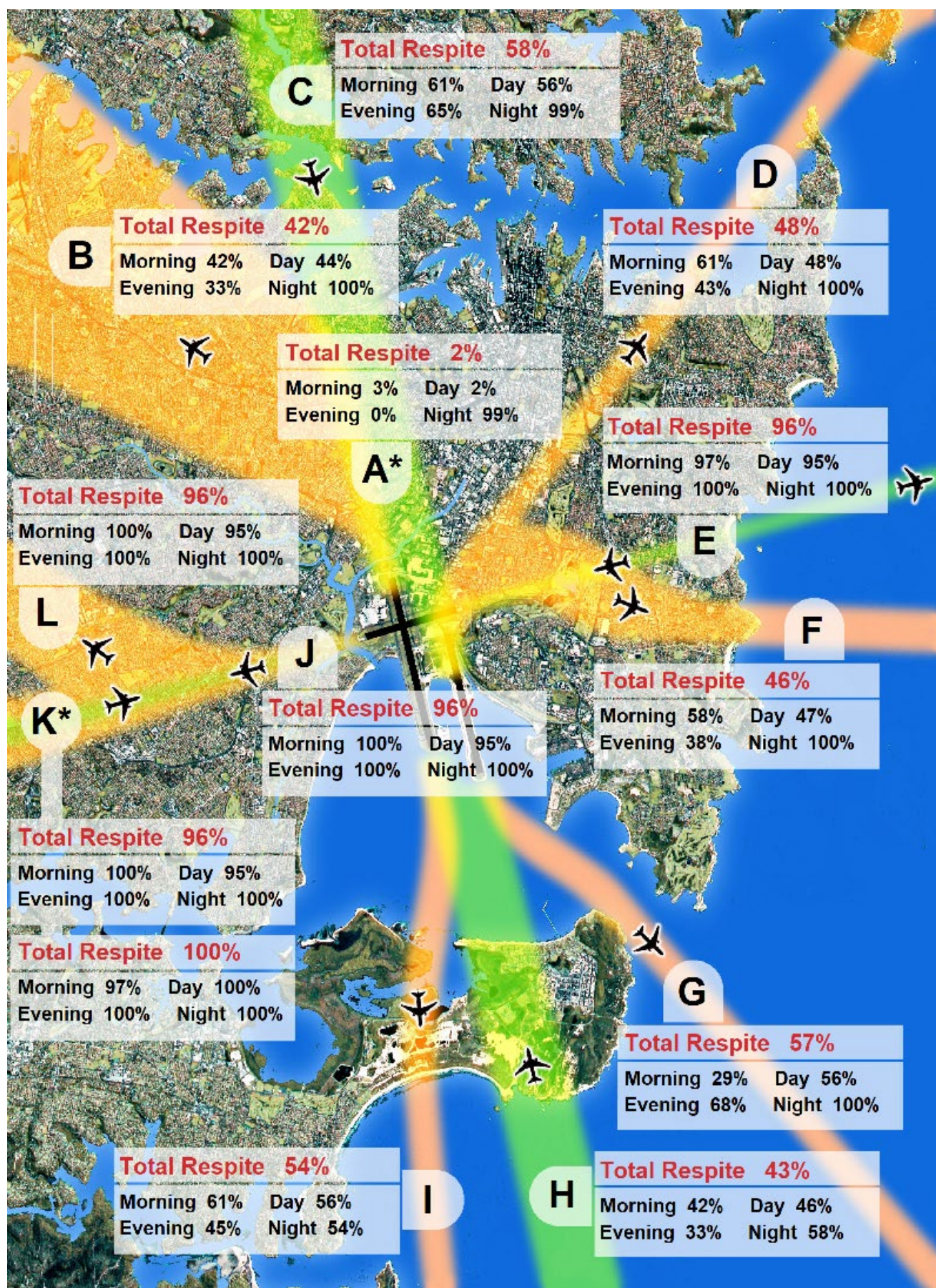
1 Nov 2018 to 31 Oct 2019, All Jets



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 Oct 2019 to 31 Oct 2019, All Jets



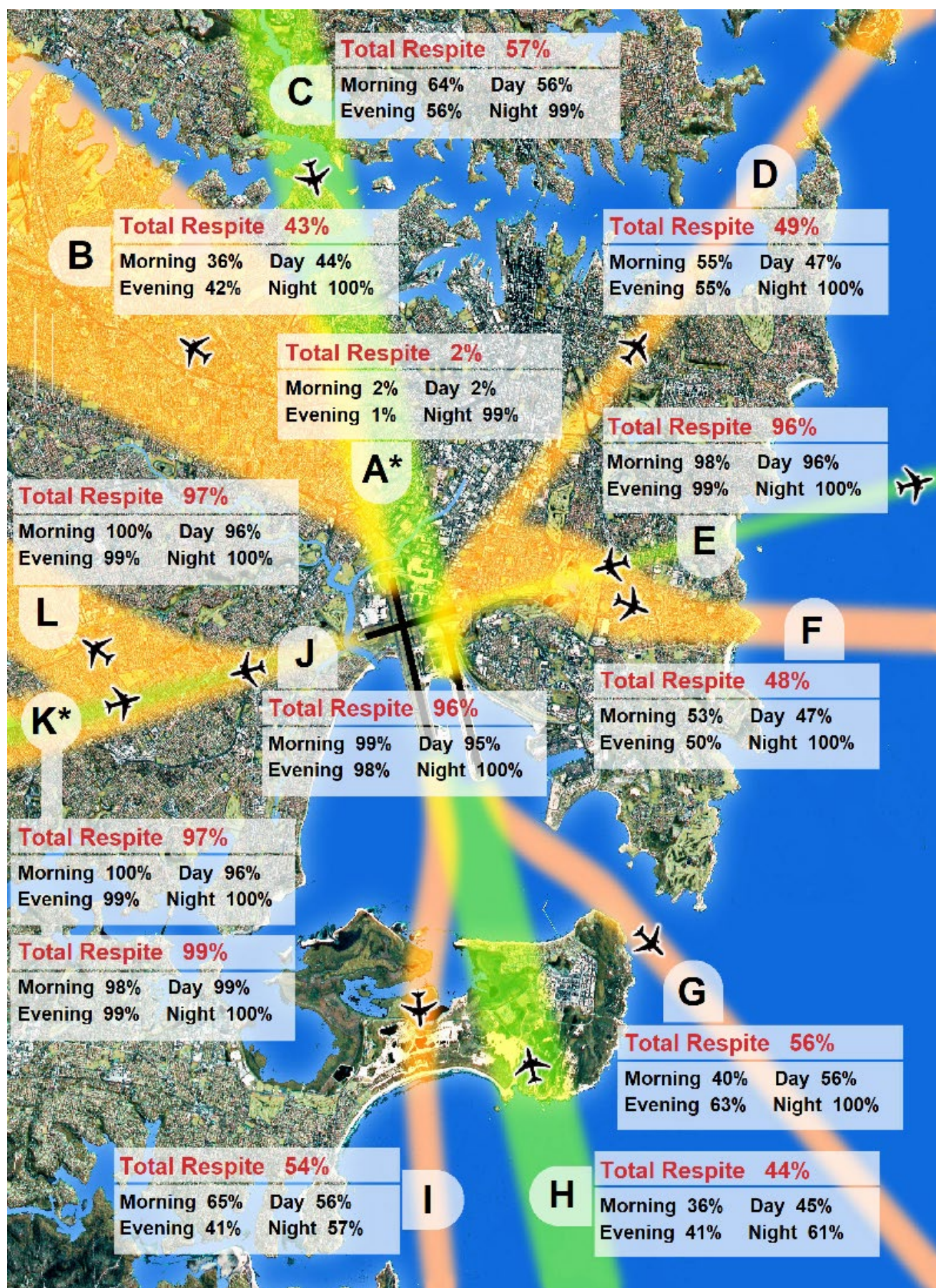
Note : Track A* is Tracks B and C combined. Track K* shows departures (top box) and arrivals (bottom box).

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 Nov 2018 to 31 Oct 2019, 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) November 2018 to October 2019

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 July 2019 .
	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 June 2019 .
	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 July 2019 .
	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 2019 .
	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 July 2019 .
	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 July 2019 and Mode 7 was in May 2019 .
	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 May 2019 , Mode 14A in April 2019 & 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 **respice 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 November 2018 to October 2019, 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 October 2019.



Figure 1. NMT sites about Sydney Airport and the daily N70 values for the month of October 2019

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 October 2019 along with the Daily N70 values for the three months up to and including October are given in Table 1.

<i>Location</i>	<i>CNE Oct</i>	<i>Operational Days Oct</i>	<i>N70 Oct</i>	<i>N70 Sep</i>	<i>N70 Aug</i>
<i>Threshold rwy 34</i>	<i>10,876</i>	<i>30.9</i>	<i>343</i>	<i>338</i>	<i>325</i>
<i>Penshurst</i>	<i>247</i>	<i>30.9</i>	<i>5</i>	<i>6</i>	<i>16</i>
<i>Bexley</i>	<i>344</i>	<i>30.9</i>	<i>9</i>	<i>12</i>	<i>29</i>
<i>Sydenham</i>	<i>6,045</i>	<i>30.8</i>	<i>196</i>	<i>198</i>	<i>177</i>
<i>Johnston St Annandale</i>	<i>2,999</i>	<i>30.9</i>	<i>80</i>	<i>89</i>	<i>77</i>
<i>Church St. St Peters</i>	<i>4,540</i>	<i>30.9</i>	<i>107</i>	<i>104</i>	<i>96</i>
<i>Leichhardt PEMU 36</i>	<i>3,543</i>	<i>30.9</i>	<i>110</i>	<i>120</i>	<i>101</i>
<i>Eastlakes</i>	<i>2,862</i>	<i>30.9</i>	<i>80</i>	<i>73</i>	<i>98</i>
<i>Coogee</i>	<i>634</i>	<i>30.9</i>	<i>16</i>	<i>18</i>	<i>48</i>
<i>Kurnell</i>	<i>3,351</i>	<i>30.9</i>	<i>102</i>	<i>86</i>	<i>83</i>
<i>Croydon</i>	<i>778</i>	<i>30.9</i>	<i>19</i>	<i>14</i>	<i>12</i>
<i>Hunters Hill</i>	<i>5,097</i>	<i>30.9</i>	<i>77</i>	<i>76</i>	<i>65</i>

Table 1 Results for each Noise Monitoring Terminal for the three months up to and including October 2019.

The N70 values for October 2019 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 16 PM 57 Day 255 Night 14 WE_D 290 WE_N 11	Penshurst AM 0 PM 0 Day 3 Night 0 WE_D 11 WE_N 0	Bexley AM 0 PM 0 Day 5 Night 0 WE_D 23 WE_N 0	Eastlakes AM 2 PM 9 Day 67 Night 0 WE_D 86 WE_N 0
Coogee AM 0 PM 0 Day 7 Night 0 WE_D 40 WE_N 0	Sydenham AM 8 PM 29 Day 160 Night 0 WE_D 190 WE_N 1	Leichhardt PEMU36 AM 6 PM 11 Day 87 Night 0 WE_D 127 WE_N 1	Kurnell AM 1 PM 13 Day 96 Night 0 WE_D 78 WE_N 0
Annandale AM 2 PM 8 Day 66 Night 0 WE_D 95 WE_N 0	St Peters AM 2 PM 15 Day 86 Night 0 WE_D 118 WE_N 0	Croydon AM 1 PM 4 Day 15 Night 0 WE_D 15 WE_N 0	Hunters Hull AM 5 PM 8 Day 59 Night 0 WE_D 88 WE_N 1

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.