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Apr-20

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April
2020

Preview

LTOP

Mode Usage

Total Runway Movements

2020		2019	
Apr-20	Mar-20	Apr-19	Mar-19
4,196	21,504	27,946	28,473
Total	Total	Total	Total
140	694	932	918
Daily Avg	Daily Avg	Daily Avg	Daily Avg

Runway End Impact LTOP Targets

Long Term Operating Plan

The two fundamental factors which influence the selection of a runway and therefore the LTOP targets are forecast or prevailing weather and traffic levels

	LTOP Target	Apr-20	Mar-20
North	17%	▲ 41.06%	▲ 37.63%
South	55%	▲ 56.51%	▲ 51.85%
East	13%	▼ 1.45%	▼ 10.37%
West	15%	▼ 0.98%	▲ 0.15%

▲ LTOP Target VS Apr-20
 ▼ Apr-20 VS Mar-20

Mode Utilization

Number of days individual mode used in excess of 9 hours

27

Airport Mode	Days
Mode 9	14
Mode 10	10
SODPROPS	2
Mode 13	1

22.46%

Usage of LTOP runway modes on non-curfew hours

16 PRM Operations

Precision Runway Monitor

Days procedure used

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

ATIS time

0

hours

0

minutes

If you have questions about this report please contact:
Noise Complaints and Information Service
 Noise Complaint, enquiry and Feedback Form:
<https://www.airservicesaustralia.com/community/environment/aircraft-noise/about-making-a-complaint/>
 Web: <http://www.airservicesaustralia.com/aircraftnoise/>

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Summary (LTOP)

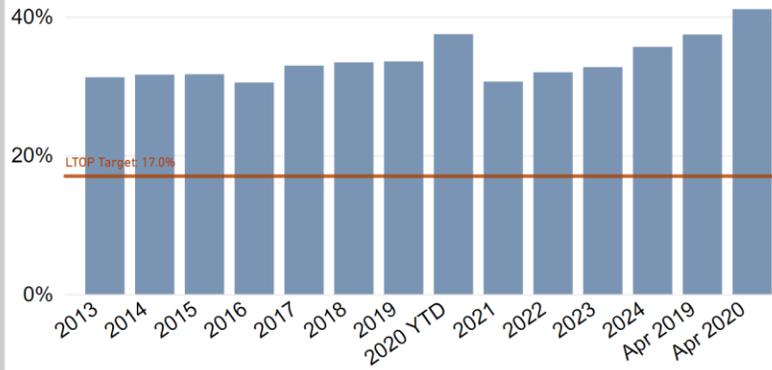
April 2020

Preview

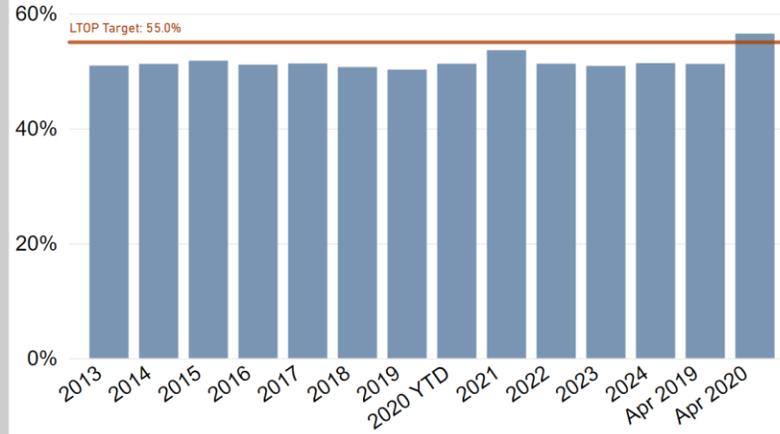
LTOP

Mode Usage

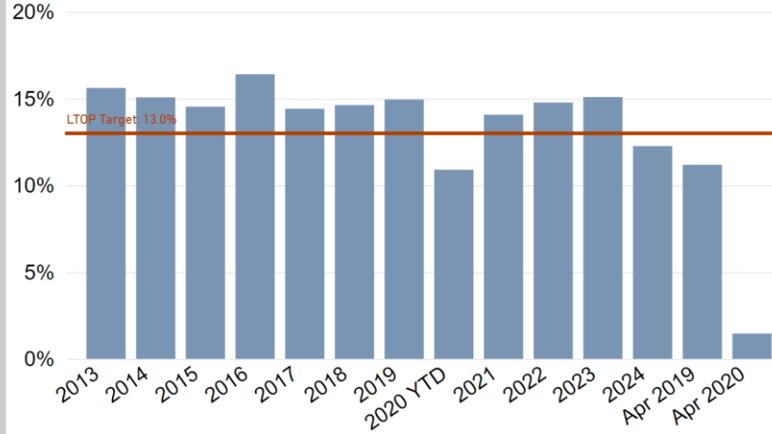
Northern runway end impact (16L and 16R arrivals plus 34L departures)



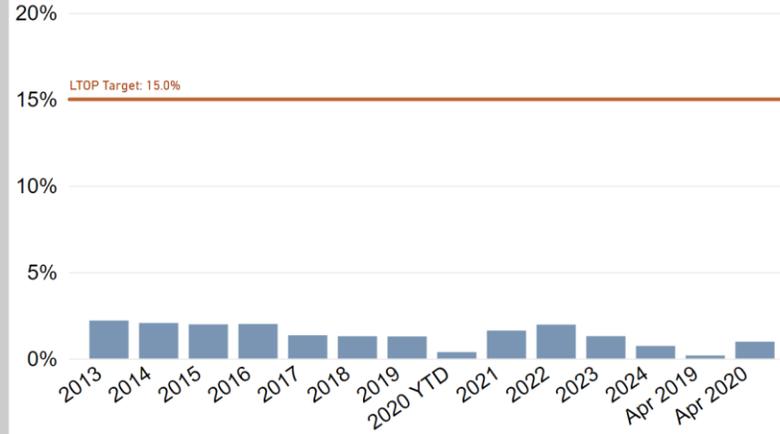
Southern runway end impact (16L and 16R departures plus 34L and 34R arrivals)



Eastern runway end impact (07 and 34R departures plus 25 arrivals)



Western runway end impact (07 arrivals plus 25 departures)



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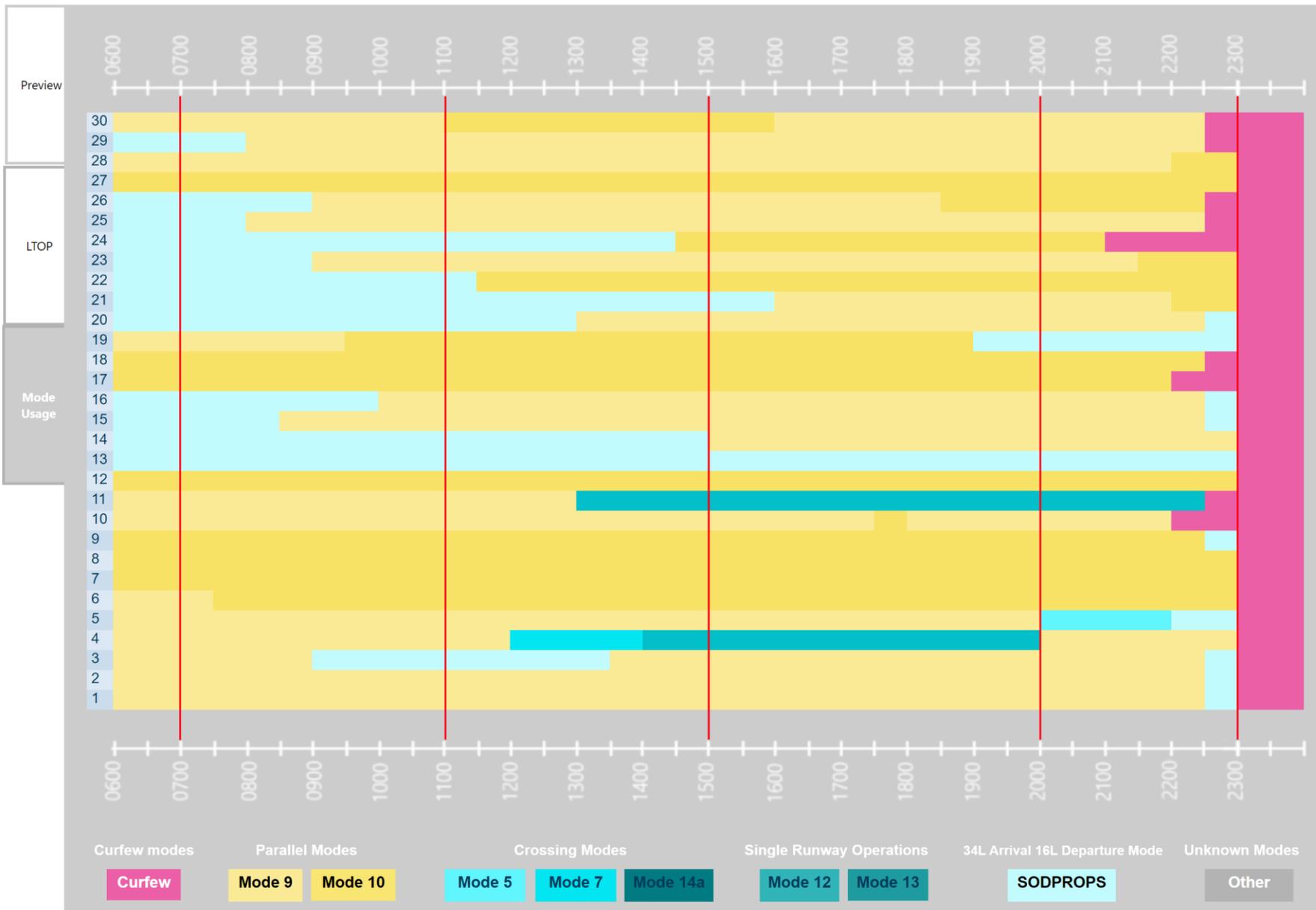
Select a month :

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Summary (Mode Usage)

April
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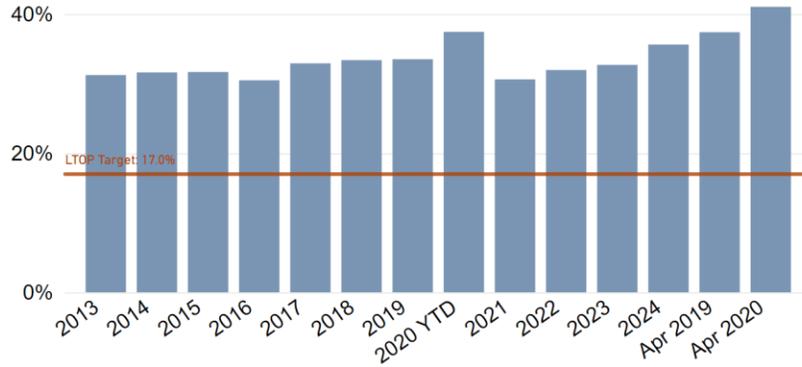
Apr-20



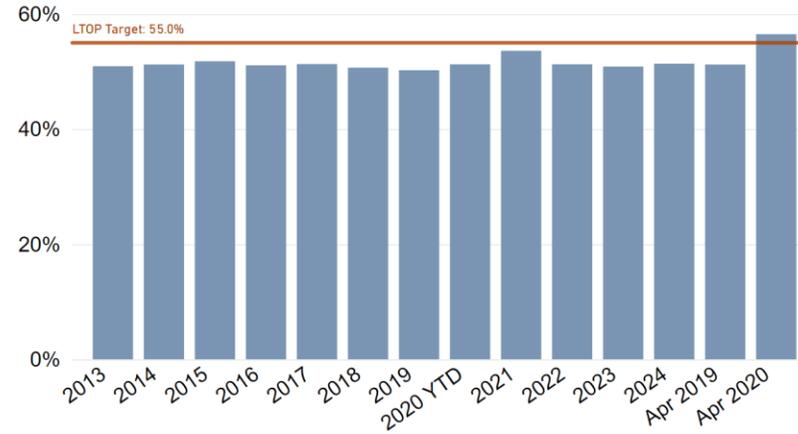
LTOP Targets

April
2020

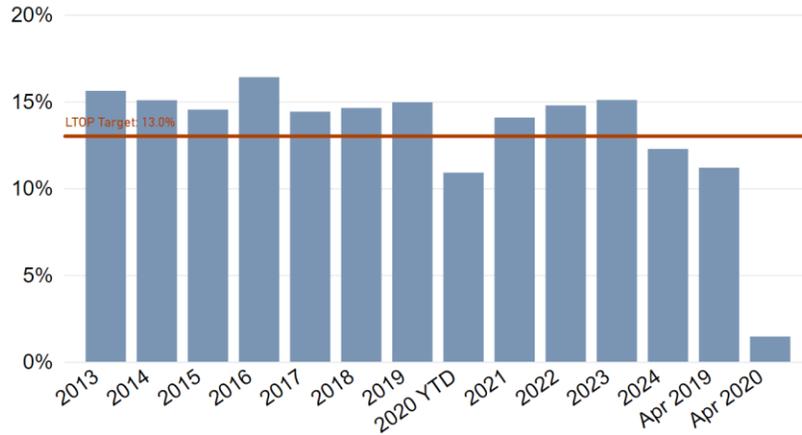
Northern runway end impact (16L and 16R arrivals plus 34L departures)



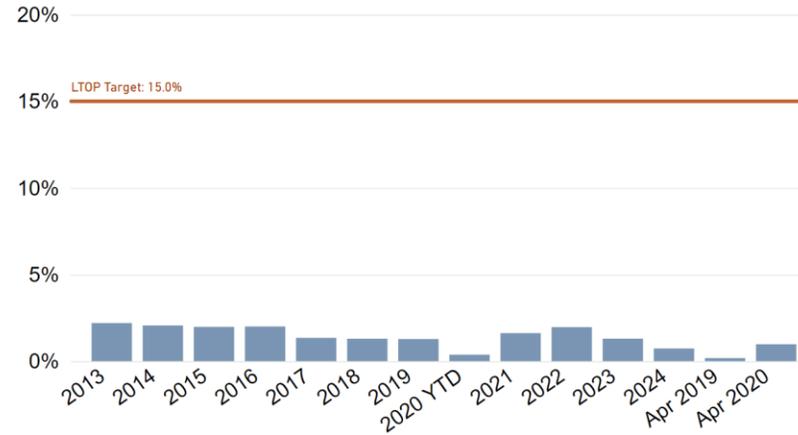
Southern runway end impact (16L and 16R departures plus 34L and 34R arrivals)



Eastern runway end impact (07 and 34R departures plus 25 arrivals)



Western runway end impact (07 arrivals plus 25 departures)



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Select a type :

All

Operations by direction

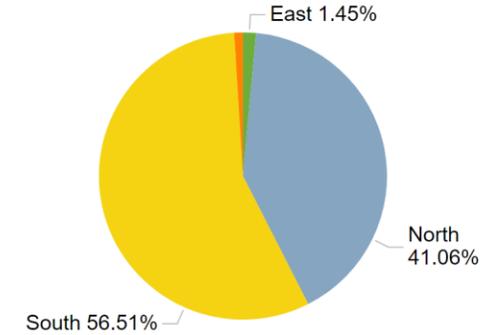
April
2020

Operations by day, direction and runway

Sector Date	East		North				South				West			Total	
	25 A	Total	16L A	16R A	34L D	Total	16L D	16R D	34L A	34R A	Total	07 A	25 D		Total
4/1/2020					77	77	7	6	81	6	100			177	
4/2/2020				1	80	81	8	5	87	6	106	1		188	
4/3/2020					76	76	21		92	5	118			194	
4/4/2020	31	31			52	52		1	38		39		17	139	
4/5/2020	7	7		1	66	67		11	67	1	79		1	154	
4/6/2020				78	6	84	2	75	5	4	86			170	
4/7/2020				76		76	9	71	1	7	88			164	
4/8/2020				2	75	77	13	76	1	6	96			173	
4/9/2020			1	80		81	9	81	1	6	97			178	
4/10/2020				1	48	49		5	58	1	64			113	
4/11/2020	23	23			18	18		6	17		23		18	82	
4/12/2020				40	1	41		41	3		44	1	1	87	
4/13/2020				1	33	34	11	6	44		61	1		96	
4/14/2020					39	39	12	1	55	5	73		1	113	
4/15/2020				1	46	47	19	4	56	8	87			134	
4/16/2020					41	41	19	1	53	11	84			125	
4/17/2020				69		69	10	70		5	85			154	
4/18/2020				53		53		56	1	2	59			112	
4/19/2020				32	11	43		36	21	1	58			101	
4/20/2020					57	57	10	5	73	1	89			146	
4/21/2020				6	42	48	17	21	76		114			162	
4/22/2020				41	16	57	6	43	20		69			126	
4/23/2020				8	45	53	5	26	66		97			150	
4/24/2020				34	23	57	13	33	40		86			143	
4/25/2020				1	53	54	3	1	52		56			110	
4/26/2020				11	30	41	1	13	42		56			97	
4/27/2020				64		64		68	4		72			136	
4/28/2020				6	60	66		21	77		98			164	
4/29/2020					61	61	4	13	75		92			153	
4/30/2020				18	42	60		34	61		95			155	
Total	61	61	3	697	1,023	1,723	199	830	1,267	75	2,371	3	38	41	4,196

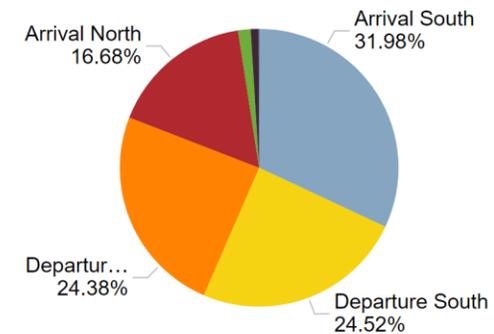
Total operations by compass direction

● East ● North ● South ● West



Arrivals/departures by direction

● Arrival ... ● Depart... ● Depart... ● Arriv...



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All

Runway use summary

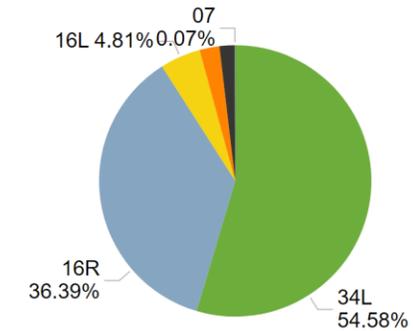
April
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Operations by day and runway

Runway	07		16L		16R			25			34L			34R		Total	
	Arr	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr	Dep	Total	Arr		Total
4/1/2020				7	7		6	6				81	77	158	6	6	177
4/2/2020	1	1		8	8	1	5	6				87	80	167	6	6	188
4/3/2020				21	21							92	76	168	5	5	194
4/4/2020							1	1	31	17	48	38	52	90			139
4/5/2020						1	11	12	7	1	8	67	66	133	1	1	154
4/6/2020				2	2	78	75	153				5	6	11	4	4	170
4/7/2020				9	9	76	71	147				1		1	7	7	164
4/8/2020			2	13	15	75	76	151				1		1	6	6	173
4/9/2020			1	9	10	80	81	161				1		1	6	6	178
4/10/2020						1	5	6				58	48	106	1	1	113
4/11/2020							6	6	23	18	41	17	18	35			82
4/12/2020	1	1				40	41	81		1	1	3	1	4			87
4/13/2020	1	1		11	11	1	6	7				44	33	77			96
4/14/2020				12	12		1	1		1	1	55	39	94	5	5	113
4/15/2020				19	19	1	4	5				56	46	102	8	8	134
4/16/2020				19	19		1	1				53	41	94	11	11	125
4/17/2020				10	10	69	70	139							5	5	154
4/18/2020						53	56	109				1		1	2	2	112
4/19/2020						32	36	68				21	11	32	1	1	101
4/20/2020				10	10		5	5				73	57	130	1	1	146
4/21/2020				17	17	6	21	27				76	42	118			162
4/22/2020				6	6	41	43	84				20	16	36			126
4/23/2020				5	5	8	26	34				66	45	111			150
4/24/2020				13	13	34	33	67				40	23	63			143
4/25/2020				3	3	1	1	2				52	53	105			110
4/26/2020				1	1	11	13	24				42	30	72			97
4/27/2020						64	68	132				4		4			136
4/28/2020						6	21	27				77	60	137			164
4/29/2020				4	4		13	13				75	61	136			153
4/30/2020						18	34	52				61	42	103			155
Total	3	3	3	199	202	697	830	1,527	61	38	99	1,267	1,023	2,290	75	75	4,196

Operations by runway

● 34L ● 16R ● 16L ● 25 ● 34R ● 07



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Select a month :

Select a type :

Hourly movement summary

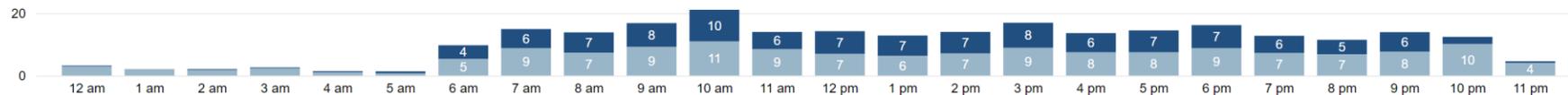
April
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Operations by hour of day

Date	12 am	1 am	2 am	3 am	4 am	5 am	6 am	7 am	8 am	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm	6 pm	7 pm	8 pm	9 pm	10 pm	11 pm	Total
4/1/2020	3	2	1	3	2	2	5	8	4	12	12	8	12	10	5	14	8	10	10	11	9	10	13	3	177
4/2/2020	3	2		3	2	1	4	9	7	13	11	8	10	8	10	14	10	11	13	11	10	7	17	4	188
4/3/2020	2	3	2	2	2		9	10	9	13	11	13	15	11	10	17	10	12	15	10	5	7	6		194
4/4/2020							4	6	13	13	13	10	9	8	10	8	11	7	10	4	5	4	4		139
4/5/2020	1		1			2	3	7	6	12	13	6	6	6	10	15	9	15	13	11	7	8	2	1	154
4/6/2020	1	2			1	1	5	12	5	13	13	6	7	6	10	11	14	8	9	10	9	8	16	3	170
4/7/2020	4	3	3	3	1	1	5	10	5	7	13	5	8	6	6	12	8	9	12	9	8	11	12	3	164
4/8/2020	4	4	4	3	1	2	7	9	6	13	10	7	3	8	7	12	6	7	14	8	8	11	14	5	173
4/9/2020	4	3	5	4	1	1	7	10	10	7	10	9	10	5	6	17	11	7	18	12	10	5	6		178
4/10/2020	1						5	8	6	5	13	9	7	8	4	8	3	6	8	8	5	6	3		113
4/11/2020				1	1		5	5	4	6	6	4	9	3	3	5	5	4	4	5	4	8			82
4/12/2020							2	7	3	5	7	8	5	5	5	3	7	5	5	6	4	6	3	1	87
4/13/2020	1			1			4	5	8	8	10	5	5	1	4	3	8	6	6	7	6	4	4		96
4/14/2020							5	5	6	11	11	6	8	3	2	8	1	6	3	6	6	6	12	8	113
4/15/2020	4	3	2	5	2		6	7	6	5	11	10	5	3	4	6	6	5	5	5	9	5	15	5	134
4/16/2020	4	3	3	4	2	1	7	7	9	4	8	5	6	4	6	3	7	2	4	6	4	8	10	8	125
4/17/2020	5	1	3	4			1	8	12	6	10	12	10	8	9	12	11	8	7	6	8	4	5	3	154
4/18/2020			1		1	1	7	4	7	8	12	3	11	6	7	6	8	8	7	3	4	5	3		112
4/19/2020					1	1	5	6	8	3	9	5	9	5	5	8	4	7	7	4	7	6	1		101
4/20/2020	1						3	13	11	8	12	8	7	8	9	5	5	9	8	3	8	11	8	9	146
4/21/2020	4	3	3	2		2	6	9	9	9	10	11	6	9	11	7	10	5	10	5	6	9	12	4	162
4/22/2020	4	1	3	3	2		3	6	5	8	5	11	2	4	4	6	9	7	9	6	4	7	11	6	126
4/23/2020	3	3	3	2	1	1	4	6	10	8	14	10	5	5	7	8	6	5	6	7	5	14	13	4	150
4/24/2020	3	4	2	3	2		3	12	4	8	12	10	5	11	10	8	9	10	10	5	5	6	1		143
4/25/2020							5	5	6	10	10	5	7	11	9	14	3	3	6	4	3	4	4	1	110
4/26/2020	1			1		1	4	9	5	4	11	3	2	8	6	5	2	7	7	7	3	9	1	1	97
4/27/2020	1	1	1				6	8	8	12	15	8	5	7	5	4	6	8	5	6	5	7	12	6	136
4/28/2020	5	3	1	5	1		7	10	9	15	8	7	10	6	8	9	8	7	7	7	8	6	13	4	164
4/29/2020	4	3	3	2		1	5	9	7	7	10	11	4	5	11	5	6	9	9	5	10	7	12	8	153
4/30/2020	4	2	1	3	3	2	4	9	12	7	11	10	6	3	6	9	6	9	7	5	7	9	11	9	155
Total	67	46	42	54	26	21	153	243	214	264	323	231	212	192	212	261	214	221	253	204	188	219	242	94	4,196

Average daily operations by hour of day

● Weekday ● Weekend



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Mode utilization summary

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Duration of mode use

Date	Curfew	16/34	SODPROPS	Mode 5: 16/25	Mode 7: 25/34	Mode 9: 34	Mode 10: 16	Mode 12: 07	Mode 13: 25	Mode 14a: 16/07	Other	Total
4/1/2020	07:00		00:18			16:42						24:00
4/2/2020	07:00		00:29			16:31						24:00
4/3/2020	07:00		04:46			12:14						24:00
4/4/2020	07:00	00:10	00:04		01:31	08:49			06:26			24:00
4/5/2020	07:00		01:10	02:03		13:47						24:00
4/6/2020	07:00		00:04			01:34	15:22					24:00
4/7/2020	07:00		00:11				16:49					24:00
4/8/2020	07:00						17:00					24:00
4/9/2020	07:00		00:43				16:17					24:00
4/10/2020	07:00	01:02	00:02			15:12	00:45					24:00
4/11/2020	07:00	00:36				06:45			09:39			24:00
4/12/2020	07:00	00:12					16:48					24:00
4/13/2020	07:00		17:00									24:00
4/14/2020	07:00		08:60			08:00						24:00
4/15/2020	07:00		03:11			13:49						24:00
4/16/2020	07:00		04:15			12:45						24:00
4/17/2020	07:00	01:04	00:03				15:53					24:00
4/18/2020	07:00	00:42	00:03				16:15					24:00
4/19/2020	07:00		04:07			03:30	09:23					24:00
4/20/2020	07:00	00:12	07:02			09:46						24:00
4/21/2020	07:00		09:55			05:57	01:09					24:00
4/22/2020	07:00		05:34				11:26					24:00
4/23/2020	07:00	00:14	03:13			12:12	01:21					24:00
4/24/2020	07:00	02:10	08:42				06:08					24:00
4/25/2020	07:00	00:30	01:48			14:42						24:00
4/26/2020	07:00	00:30	02:55			09:47	03:48					24:00
4/27/2020	07:00	00:15					16:45					24:00
4/28/2020	07:00	00:06				15:58	00:56					24:00
4/29/2020	07:00	00:20	01:55			14:45						24:00
4/30/2020	07:00	00:24				11:34	05:02					24:00
Total	210:00	08:27	86:29	02:03	01:31	224:17	171:09		16:04			720:00

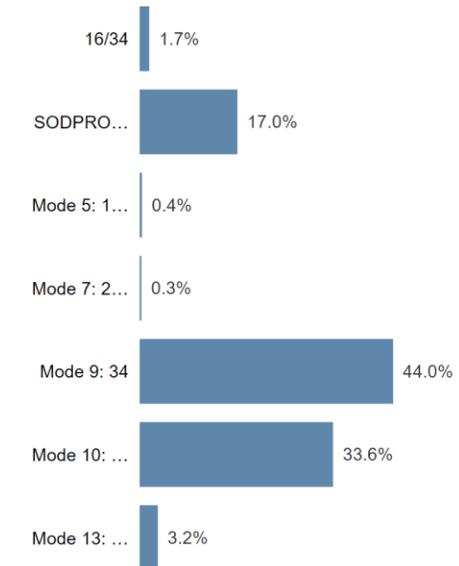
Days with a mode used in excess of 9 hours

27 14 10
Any Mode Mode 9 Mode 10

Days with SODPROPS used

24 24
At any time 6am &/or 10pm

Summary



Cumulative mode utilisation for year to date

Cumulative Mode Usage Label	16/34	SODPROPS	Mode 5	Mode 7	Mode 9	Mode 10	Mode 12	Mode 13	Mode 14a
Movements	0.3%	2.6%	0.2%	0.0%	41.3%	54.8%	0.4%	0.1%	0.2%
Time	1.2%	6.0%	0.4%	0.1%	41.4%	49.4%	0.4%	0.8%	0.4%

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Runway 16 Precision Runway Monitor operations

April
2020

Date	Start Time	End Time	Duration
------	------------	----------	----------

PRM arrivals by Aircraft type

Number of flights

Date	16L	16R	Total
Total			

Hours used per day

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

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Runway 34 departures maintaining heading

April
2020

1,023

Flights departing from runway 34L

38

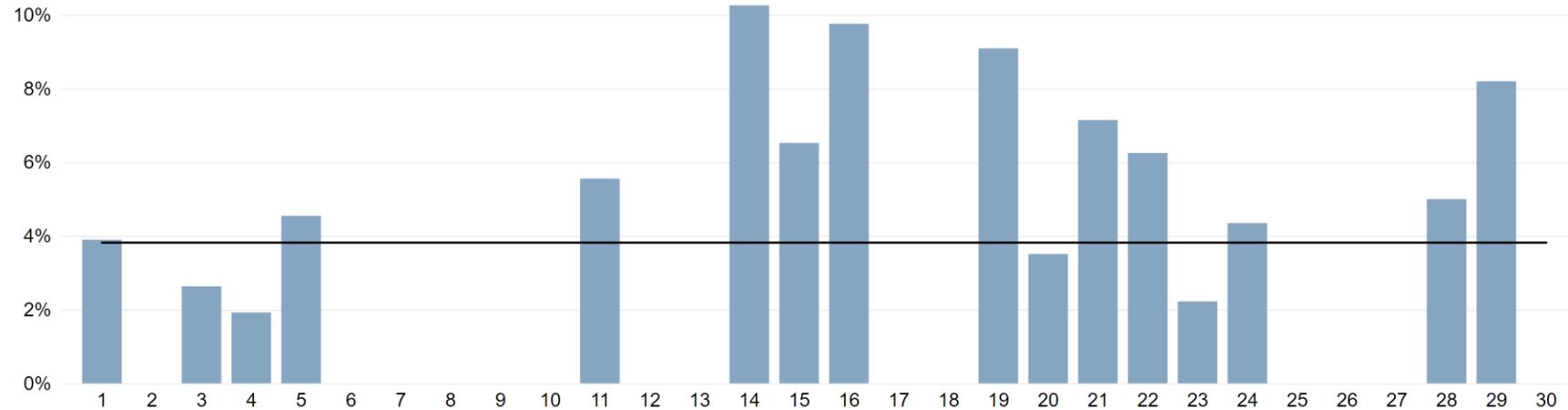
Flights maintaining runway heading

3.71%

34L departures maintaining runway heading

34L departures maintaining runway heading by day of month

● Percentage of 34L departures maintaining runway heading ● 13 months percentage



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Noise sharing during non-peak hours

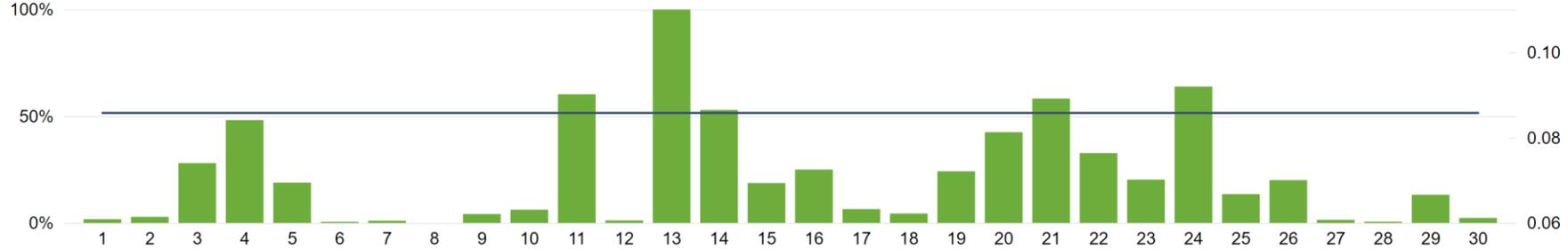
April
2020

Noise sharing time by month



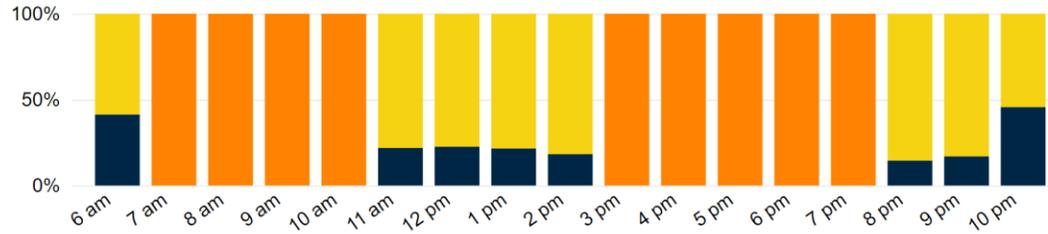
By day

● Noise Sharing Time — Average last 13 months

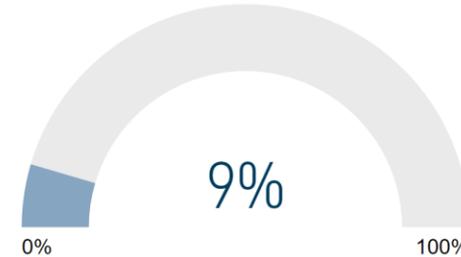


By hour

● Time spent ● Non-peak periods ● Peak periods



Flights during noise sharing



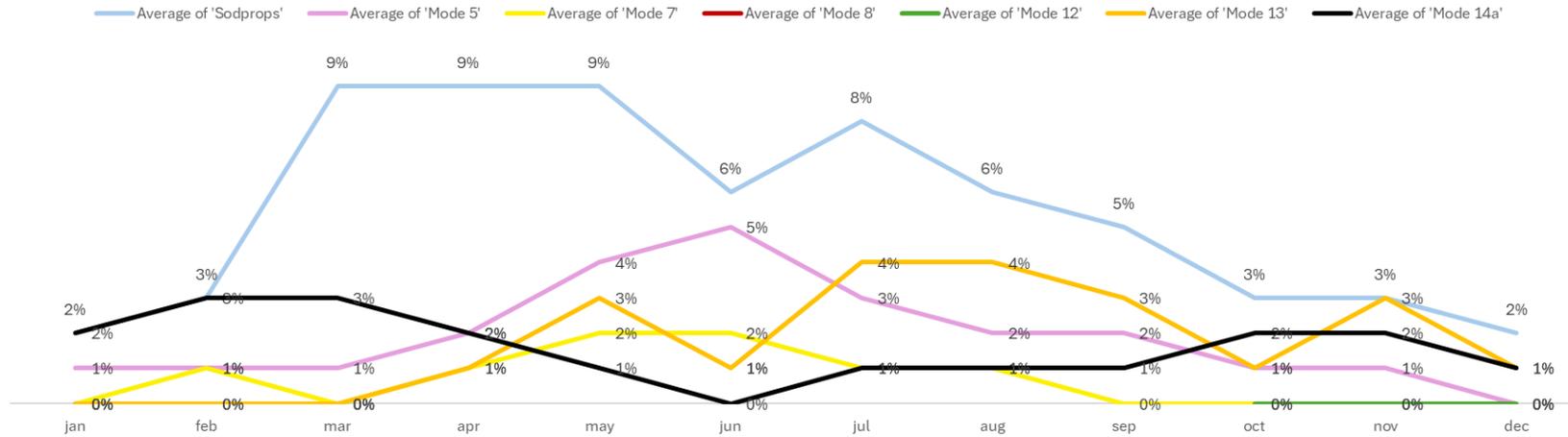
Note :

- Noise sharing is used outside the curfew and peak periods when weather conditions and flight numbers permit.
- If traffic volumes are high, peak periods may extend beyond the hours shown.
- Non-peak periods are defined as 6am-7am, 11am-3pm and 8pm-11pm.

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Seasonal variation in mode use

Average percentage of time using noise sharing modes from 2015 to current month



Average percentage of time using parallel modes from 2015 to current month

