

Manchester Airport (MAN)

Summer 2019 (S19)



Start of Season Report

Report Date: Thu 21-Mar-2019

Headlines

	S19 Start	vs. S18 Start	vs. S18 End
Total Air Transport Movements (Passenger & Freight)	128813	▲ 2.1%	▲ 4.8%
Total Passenger Air Transport Movements	128397	▲ 2.0%	▲ 4.8%
Total Passenger Air Transport Movement Seats	23412381	▲ 5.6%	▲ 7.8%
Average Seats per Passenger Air Transport Movement	182.34	▲ 3.6%	▲ 2.9%
Percentage of allocated slots cleared as requested (OK)	99%		

Contents

Page	Content
2	Runway Scheduling Limits
3	ATM Allocation by Operator (Full season and Peak Week Comparison)
4	Significant Route Changes
5	Full Season - ATM Analysis
6	Full Season - PATM Seats Analysis
7	Full Season - Aircraft Size Analysis
8	Full Season - Seasonality
9	Peak Week - Hourly Runway Allocation
10	Peak Week - Hourly Runway Allocation Comparison (S19 Start vs. S18 End)
11	Peak Week Histogram - Departure Passengers (T120/15) - T1 - All Operators
12	Peak Week Histogram - Departure Passengers (T60/15) - T1 - All Operators
13	Peak Week Histogram - Arrival Passengers (T60/15) - T1 - All Operators
14	Peak Week Histogram - Departure Passengers (T120/15) - T2 - All Operators
15	Peak Week Histogram - Departure Passengers (T60/15) - T2 - All Operators
16	Peak Week Histogram - Arrival Passengers (T60/15) - T2 - All Operators
17	Peak Week Histogram - Departure Passengers (T120/15) - T3 - All Operators
18	Peak Week Histogram - Departure Passengers (T60/15) - T3 - All Operators
19	Peak Week Histogram - Arrival Passengers (T60/15) - T3 - All Operators
20	Glossary

S18 scheduling season runs from Sun 25-Mar-2018 to Sat 27-Oct-2018 (217 days).

S19 scheduling season runs from Sun 31-Mar-2019 to Sat 26-Oct-2019 (210 days).

S18 full season data is adjusted by a factor of 0.96774 in order to directly compare against S19 full season data.

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	S18 Arrivals								Change: S18 to S19								S19 Arrivals						
Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun
UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7
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03	15	15	15	15	15	15	15	03								03	15	15	15	15	15	15	15
04	15	15	15	15	15	15	15	04								04	15	15	15	15	15	15	15
05	30	30	30	30	30	30	30	05								05	30	30	30	30	30	30	30
06	30	30	30	30	30	30	30	06								06	30	30	30	30	30	30	30
07	33	33	33	33	33	33	33	07								07	33	33	33	33	33	33	33
08	32	32	32	32	32	32	32	08								08	32	32	32	32	32	32	32
09	32	32	32	32	32	32	29	09								09	32	32	32	32	32	32	29
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12	32	32	32	32	32	32	32	12								12	32	32	32	32	32	32	32
13	32	32	32	32	32	32	32	13								13	32	32	32	32	32	32	32
14	32	32	32	32	32	32	32	14								14	32	32	32	32	32	32	32
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22	24	24	24	24	24	24	24	22	2	2	2	2	2	2	2	22	26	26	26	26	26	26	26
23	15	15	15	15	15	15	15	23								23	15	15	15	15	15	15	15

	S18 Departures								Change: S18 to S19								S19 Departures						
Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun
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05	42	42	42	42	42	42	42	05					42	42		05	42	42	42	42	42	42	42
06	37	37	37	37	37	37	37	06								06	37	37	37	37	37	37	37
07	35	35	35	35	35	35	35	07								07	35	35	35	35	35	35	35
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21	20	20	20	20	20	20	20	21								21	20	20	20	20	20	20	20
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23	15	15	15	15	15	15	15	23								23	15	15	15	15	15	15	15

	S18 Totals								Change: S18 to S19								S19 Totals						
Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Hour	Mon	Tue	Wed	Thu	Fri	Sat	Sun
UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7
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14	57	57	57	57	57	57	57	14								14	57	57	57	57	57	57	57
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21	31	31	31	31	31	31	31	21								21	31	31	31	31	31	31	31
22	24	24	24	24	24	24	24	22	2	2	2	2	2	2	2	22	26	26	26	26	26	26	26
23	15	15	15	15	15	15	15	23								23	15	15	15	15	15	15	15

Air Transport Movement Allocation by Operator

Comparison between S18 End vs. S19 Start



		FULL SEASON ALLOCATION								PEAK WEEK ALLOCATION							
Operator		S18 ATMs	S19 ATMs	+/- change	S19 Rank	S18 Seats	S19 Seats	+/- change	S19 Rank	S18 ATMs	S19 ATMs	+/- change	S19 Rank	S18 Seats	S19 Seats	+/- change	S19 Rank
	Adria Airways	39	40	1	54	3,569	3,816	247	55	2	2	0	51	144	180	36	54
	Aegean Airlines	155	168	13	46	26,477	28,710	2,233	44	6	6	0	47	1,044	1,044	0	45
	Aer Lingus	3,124	3,122	-2	8	351,677	351,104	-573	12	100	104	4	8	10,644	11,340	696	14
	Air Arabia Maroc	120	86	-34	51	20,880	14,964	-5,916	49	4	2	-2	51	696	348	-348	53
	Air Canada	149	228	79	45	42,027	64,296	22,269	38	10	14	4	31	2,820	3,948	1,128	26
	Air France	1,218	1,246	28	14	206,081	200,796	-5,285	17	42	42	0	14	7,098	7,308	210	16
	Air Malta	50	42	-8	53	7,095	7,560	465	52	2	2	0	51	282	360	78	50
	Air Transat	364	372	8	35	122,853	125,268	2,415	22	16	16	0	29	5,452	5,452	0	21
	American Airlines	595	420	-175	30	142,574	90,364	-52,210	31	19	14	-5	31	4,267	2,926	-1,341	34
	ASL Airlines France	433	4	-429	60	63,589	588	-63,001	58	22	-	-22	56	3,234	-	-3,234	55
	Aurigny Air Services	839	840	1	19	58,181	60,480	2,299	39	28	28	0	20	1,872	2,016	144	39
	Austrian Airlines	413	423	10	29	51,809	51,000	-809	41	12	14	2	31	1,440	1,680	240	41
	Balkan Holidays Air Ltd	147	155	8	47	26,396	27,720	1,324	45	8	8	0	43	1,440	1,440	0	42
	Belavia Belarusian Airlines	31	30	-1	56	3,826	4,030	204	54	-	-	0	56	-	-	0	55
	British Airways	3,692	2,859	-833	9	540,028	413,218	-126,810	10	128	102	-26	9	17,776	14,322	-3,454	11
	Brussels Airlines	1,113	1,140	27	17	163,014	174,780	11,766	19	38	38	0	17	5,436	5,826	390	19
	Cathay Pacific	419	410	-9	33	117,252	124,628	7,376	23	14	14	0	31	3,920	3,920	0	27
	Cobalt Air	112	-	-112	68	16,165	-	-16,165	67	4	-	-4	56	576	-	-576	55
	EasyJet	14,406	17,019	2,613	3	2,552,069	3,037,422	485,353	2	486	616	130	3	86,088	109,776	23,688	3
	EasyJet Europe GmbH	-	400	400	34	-	71,880	71,880	34	-	14	14	31	-	2,532	2,532	37
	El Al Israel Airlines	-	130	130	48	-	20,020	20,020	48	-	6	6	47	-	924	924	47
	Emirates	1,259	1,170	-89	16	680,354	678,390	-1,964	8	42	42	0	14	23,870	24,458	588	8
	Ethiopian Airlines	-	240	240	42	-	32,400	32,400	43	-	8	8	43	-	1,080	1,080	44
	Etihad Airways	842	840	-2	19	306,939	314,160	7,221	15	28	28	0	20	10,990	10,472	-518	15
	EuroWings	1,267	1,066	-201	18	208,730	163,740	-44,990	20	36	36	0	18	6,032	5,552	-480	20
	Federal Express	350	360	10	36	-	-	0	67	12	12	0	39	-	-	0	55
	Finnair	840	840	0	19	105,511	121,730	16,219	24	28	28	0	20	5,060	4,032	-1,028	24
	Fly Ernest	-	36	36	55	-	6,480	6,480	53	-	2	2	51	-	360	360	50
	Flybe	21,374	19,882	-1,492	2	1,694,301	1,688,548	-5,753	6	738	672	-66	2	58,476	57,098	-1,378	6
	Freebird Airlines	171	15	-156	57	30,832	2,700	-28,132	56	8	-	-8	56	1,440	-	-1,440	55
	Hainan Airlines	238	240	2	42	69,515	70,080	565	35	8	8	0	43	2,336	2,336	0	38
	Iberia Express	178	240	62	42	30,519	42,660	12,141	42	6	8	2	43	1,044	1,422	378	43
	Icelandair	346	352	6	37	64,734	64,938	204	37	14	10	-4	40	2,562	1,830	-732	40
	Iraqi Airways	60	120	60	49	9,000	20,100	11,100	47	2	4	2	49	300	670	370	48
	Jet Airways	-	300	300	41	-	76,200	76,200	33	-	10	10	40	-	2,540	2,540	36
	Jet2.com	11,729	12,926	1,197	4	2,438,405	2,774,891	336,486	3	485	524	39	4	102,183	113,616	11,433	2
	KLM Royal Dutch Airlines	2,454	2,460	6	11	357,370	351,104	-6,266	12	82	82	0	11	12,196	11,756	-440	13
	Loganair	1,961	2,170	209	12	82,062	98,780	16,718	30	62	72	10	12	2,606	3,290	684	31
	Lufthansa	3,137	3,484	347	7	513,070	571,094	58,024	9	106	118	12	7	17,069	19,558	2,489	9
	Norwegian	345	310	-35	39	64,080	57,810	-6,270	40	14	14	0	31	2,604	2,616	12	35
	Oman Air	421	420	-1	30	109,394	120,960	11,566	25	14	14	0	31	4,032	4,032	0	24
	Pegasus Airlines	47	346	299	38	8,962	65,394	56,432	36	2	16	14	29	378	3,024	2,646	32
	PIA Pakistan International	488	540	52	28	183,571	208,380	24,809	16	16	18	2	28	5,904	6,946	1,042	17
	Qatar Airways	984	1,196	212	15	253,215	329,300	76,085	14	32	42	10	14	8,128	11,796	3,668	12
	Royal Air Maroc	192	120	-72	49	25,659	13,500	-12,159	50	6	4	-2	49	954	456	-498	49
	Ryanair	19,464	20,882	1,418	1	3,678,733	3,946,698	267,965	1	687	702	15	1	129,843	132,678	2,835	1
	SAS Scandinavian	2,244	2,542	298	10	337,822	399,790	61,968	11	86	92	6	10	13,070	14,606	1,536	10
	Saudia	298	302	4	40	88,823	89,996	1,173	32	10	10	0	40	2,980	2,980	0	33
	Singapore Airlines	600	600	0	26	151,800	151,800	0	21	20	20	0	26	5,060	5,060	0	22
	SUN-AIR	770	797	27	24	24,627	25,504	877	46	28	30	2	19	896	960	64	46
	Swiss International	731	840	109	19	100,487	110,880	10,393	27	24	28	4	20	3,196	3,696	500	28
	TAP Air Portugal	743	754	11	25	102,803	119,608	16,805	26	26	26	0	25	3,580	4,284	704	23
	Thomas Cook (UK)	9,386	10,097	711	5	2,335,210	2,441,653	106,443	4	352	376	24	5	86,670	91,737	5,067	4
	Titan Airways	55	60	5	52	8,820	11,270	2,450	51	2	2	0	51	292	360	68	50
	TUI Airways	8,738	9,197	459	6	2,093,780	2,167,526	73,746	5	345	362	17	6	83,435	85,891	2,456	5
	Turkish Airlines	842	839	-3	23	170,384	176,743	6,359	18	28	28	0	20	6,944	5,914	-930	18
	United Airlines	420	420	0	30	70,980	99,604	28,624	29	14	14	0	31	2,366	3,360	994	30
	Virgin Atlantic	1,813	2,058	245	13	698,276	817,572	119,296	7	62	72	10	12	23,842	27,909	4,067	7
	Vueling	465	590	125	27	83,932	104,040	20,108	28	16	20	4	26	2,880	3,528	648	29
	TOTAL	122,893	128,813	5,920		21,715,763	23,412,381	1,696,618		4,392	4,596	204		787,502	847,245	59,743	

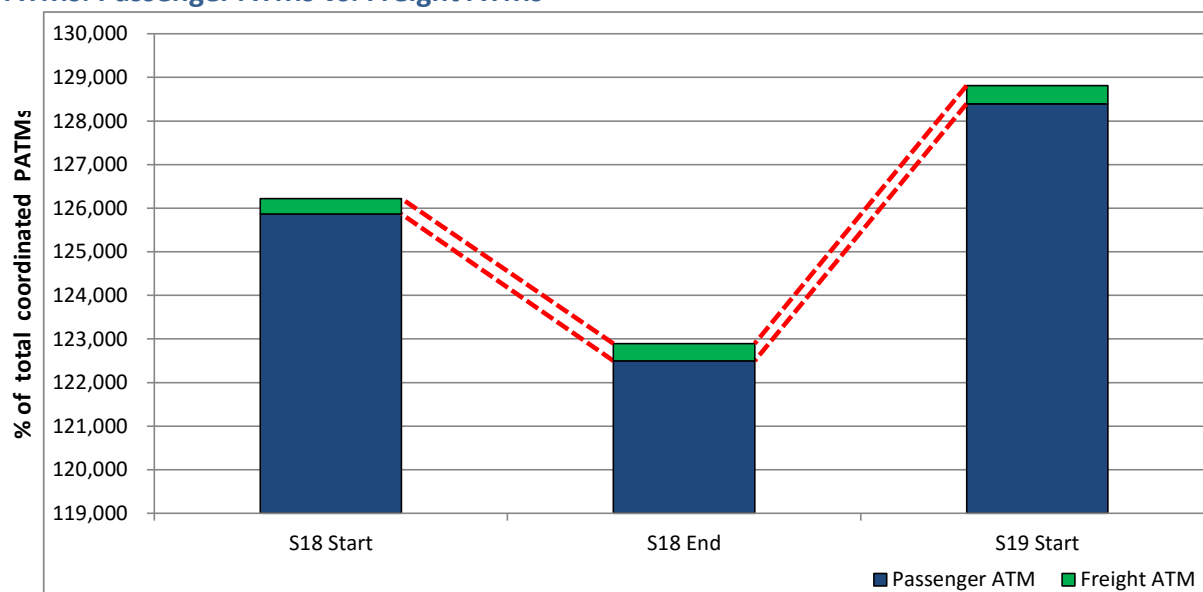
Operators with 0 'ATMs' in both S18 End & S19 Start schedules are included in the table due to appearing in the S18 Start schedule (either with/without allocated slots).

Significant Route Changes

Operator	Category	Description of change from S18 schedule to S19 schedule
Air Arabia Maroc	CHANGE	Reduce AGA from twice to once per week.
Air Canada	CHANGE	Increase from five to seven per week to YYZ with B767-300.
American Airlines	CANCELLED	Daily ORD with B787-8 operated S18 but finished Sep18. PHL remains but reduces from A330-200 (247seats) to B767-300 (209seats)
ASL Airlines France	CANCELLED	Based B737-700 for Olympic Holidays operated previous seasons but not in S19.
British Airways	CHANGE	Reduce LHR services from eight to six per day. BA Cityflyer reductions on IBZ & PMI.
Brussels Airlines	CHANGE	Move from T1 to T2 from 30Apr for three per day BRU.
Cathay Pacific	CHANGE	Upgrade Jun/Jul/Aug to A350-1000 rather than A350-900 that operates rest of S18.
Cobalt Air	CANCELLED	Twice weekly LCA cancelled as airline ceased operations.
EasyJet	NEW	Five additional based aircraft vs S18 making x17. Two came in Nov18, one comes May19 and two in Aug19. New routes BRI (Bari), JER, KLX (Kalamata), NCE, XRY (Jerez) plus continuations from W18 ACE, BCN, BOD, BUD, FAO. LIS and also increase on several existing routes. +22% seat growth vs S18.
El Al Israel Airlines	NEW	New three per week TLV with B737-800 (154seats) from 26May 1110/1230z. T1 allocated.
Emirates	CHANGE	Morning DXB service increase to 615seat A380 rather than 517. Lunchtime remains 517 and evening 615 as per W18.
Ethiopian Airlines	NEW	New ADD four per week with B787-8 shared with BRU 0610/1835z Tue, Wed, Fri & Sun, cont from W18. T2 allocated.
Eurowings	CANCELLED	CGN and HAM services cancelled, finished Sep18. DUS remains three per day. Move from T1 to T2 from 30Apr.
Fly Ernest	NEW	New weekly VRN charter series May-Sep for TUI with A320 - T2 allocated.
Flybe	CHANGE	Increase DUS from three to four per day. GLA reduce three to two per day. LYS increase five per week to daily. SOU reduce seven per day to five. TLS reduce daily to five per week. Seat growth flat vs S18. Stobartair cancel SEN three per day which finish Jan19. No OLB or FAO which operated in S18 at weekends.
Iberia Express	CHANGE	Increase MAD from three to four per week.
Jet Airways	NEW	Five per week BOM with A330-200, cont. from W18. (slots held but currently off sale due aircraft shortage)
Jet2.com	CHANGE	Two additional based aircraft making x19 (a second A330-200 and a B737-800). New routes ADB, BOJ, CHQ, LRH. More routes move over to T2 giving 50/50 split in T1/T2. Seat growth +14% vs S18.
Loganair	NEW	New daily LDY (Londonderry) with EMB145 from 24May.
Lufthansa	CHANGE	Increase MUC from three to four per day. New service 1210/1255z A319 Mon-Fri.
Pegasus Airlines	NEW	New five per week SAW (Sabiha Gokcen) with B737-800 from 01Jul.
PIA Pakistan International	CHANGE	Increase ISB from six to seven per week. LHE remains twice per week.
Qatar Airways	CHANGE	Increase DOH service from x16 to x21 per week from 14Jun, Apr/May is x18pw as W18. A350 morning and lunchtime and B787-8 evening.
Royal Air Maroc	CHANGE	Reduce CMN from three to two per week.
Ryanair	CHANGE	Remains x12 based aircraft, new routes BLL, BOD, GOT, KBP (Kiev), MRS, NTE, PIS (Poitiers, France), RAK, SKG. Seat growth +7% vs S18.
SAS Scandinavian	NEW	New route AAR (Aarhus) three per week with CRJ900 from 01Apr 0935/1010z.
Thomas Cook (UK)	NEW	One extra based shorthaul aircraft an A320 to add to the existing x10 A321 and x7 A330. New route MJB, lost routes BOS, FNC and SNU. Seat growth +4.5% vs S18.
TUI Airways	NEW	One extra based shorthaul aircraft a B737-800MAX making x14.5 based. New route SUF (Lamezia Terme). No POP. Seat growth +2.8%.
Turkish Airlines	CHANGE	Longer season length of the A330-300 services in S19. Still x14pw with x11 A321 and x3 full season A330-300 Mon, Wed, Fri afternoons.
United Airlines	CHANGE	Upgrade from B757-200 to B767-400 on daily EWR service. (May Ops B767-300), Seat growth +40%.
Virgin Atlantic	CHANGE	Increase from five to six services per day three days of the week. New route LAX which replaces SFO. Growth on ATL, BOS, LAS. Seat growth +17%.
Vueling	CHANGE	Increase BCN from eight to ten per week.

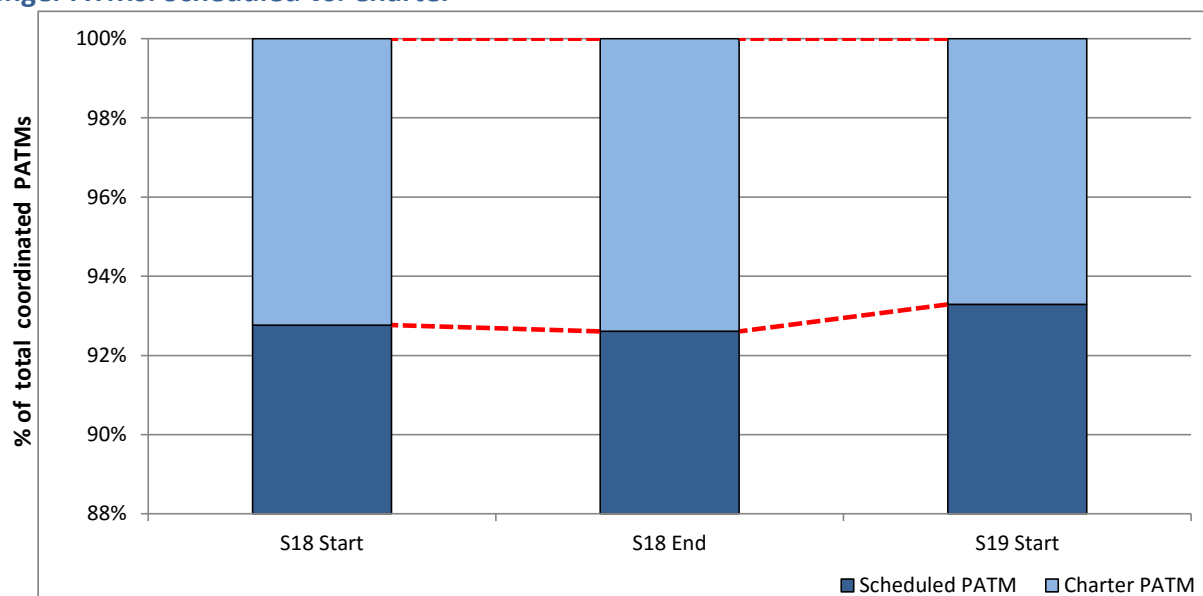
Full Season - ATM Analysis

Total ATMs: Passenger ATMs vs. Freight ATMs



Schedule Snapshot

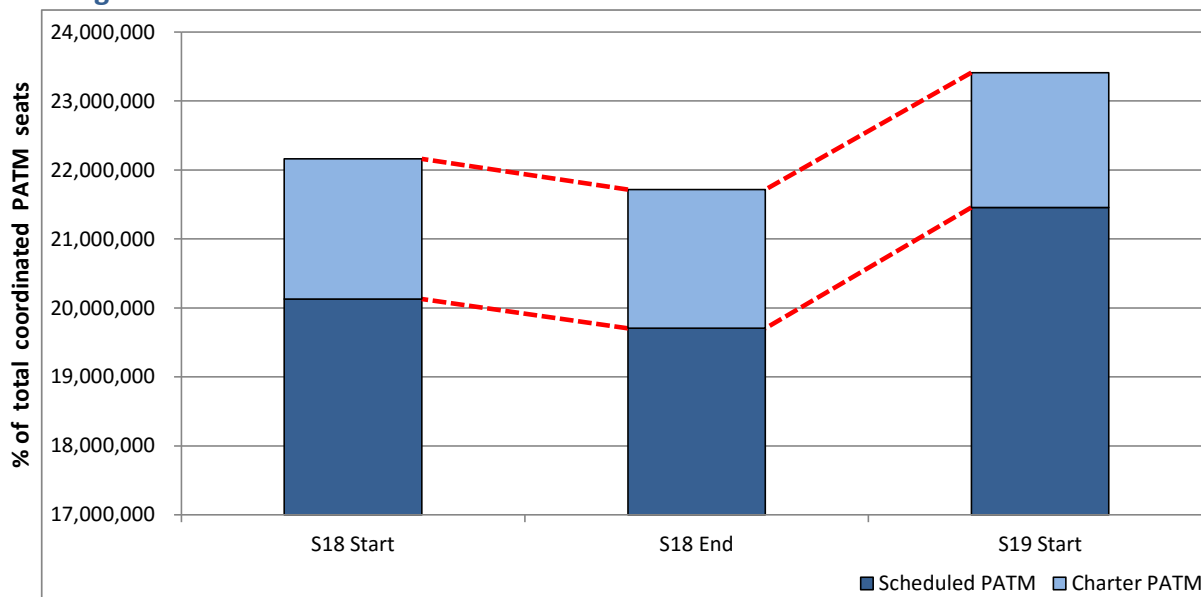
Passenger ATMs: Scheduled vs. Charter



Schedule Snapshot

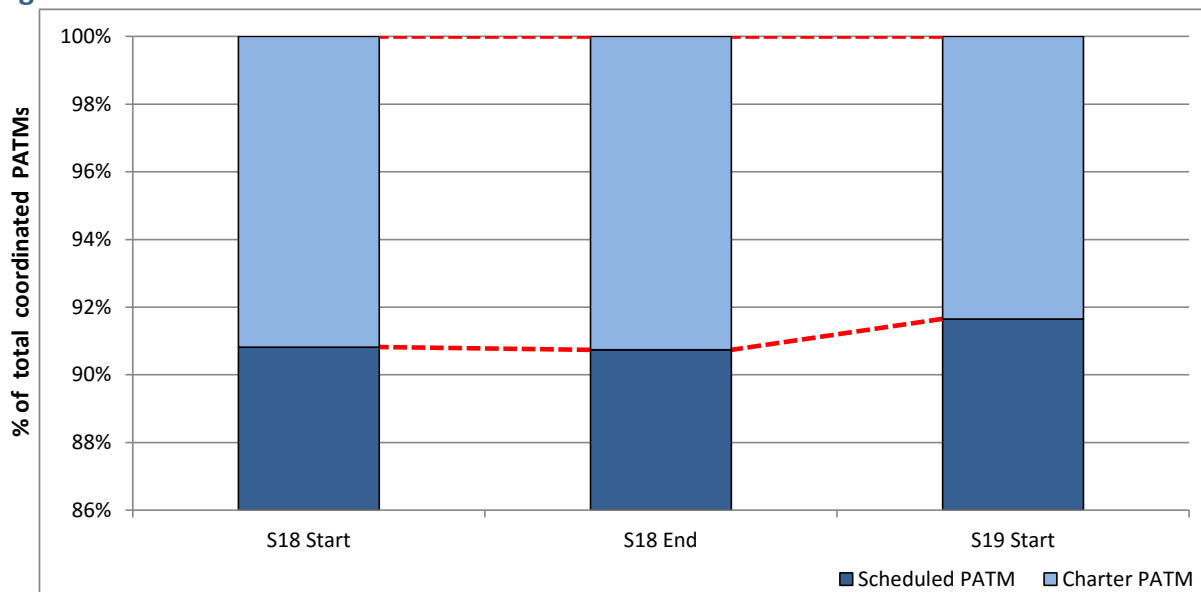
Full Season - PATM Seats Analysis

Total Passenger ATM seats: Scheduled vs. Charter



Schedule Snapshot

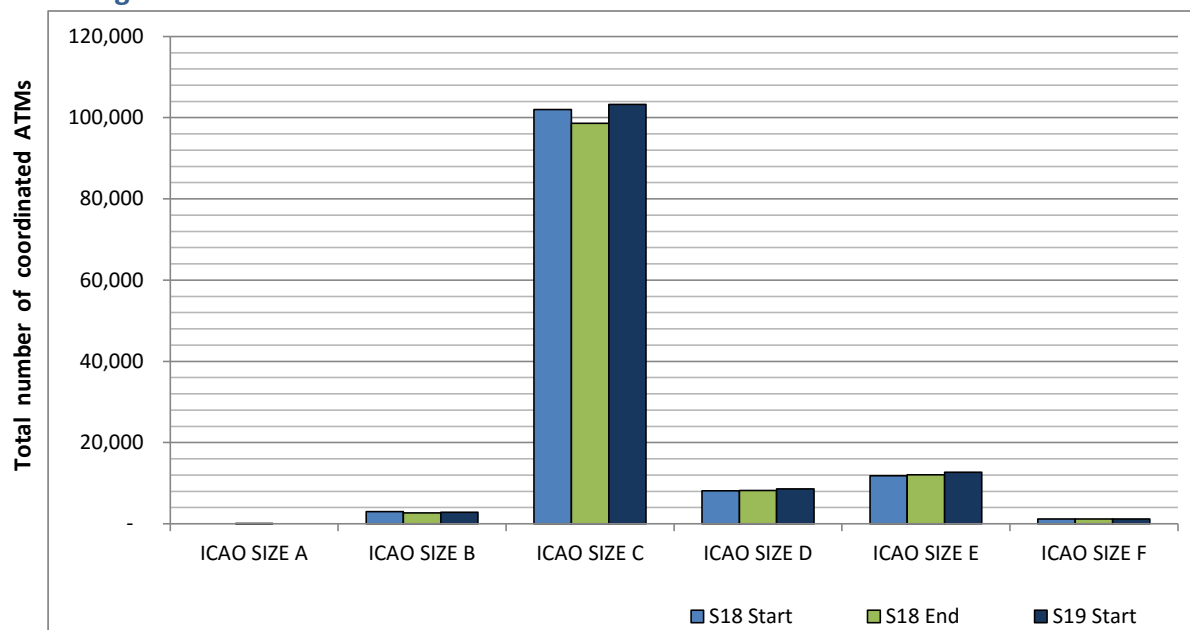
Passenger ATM seats: Scheduled vs. Charter



Schedule Snapshot

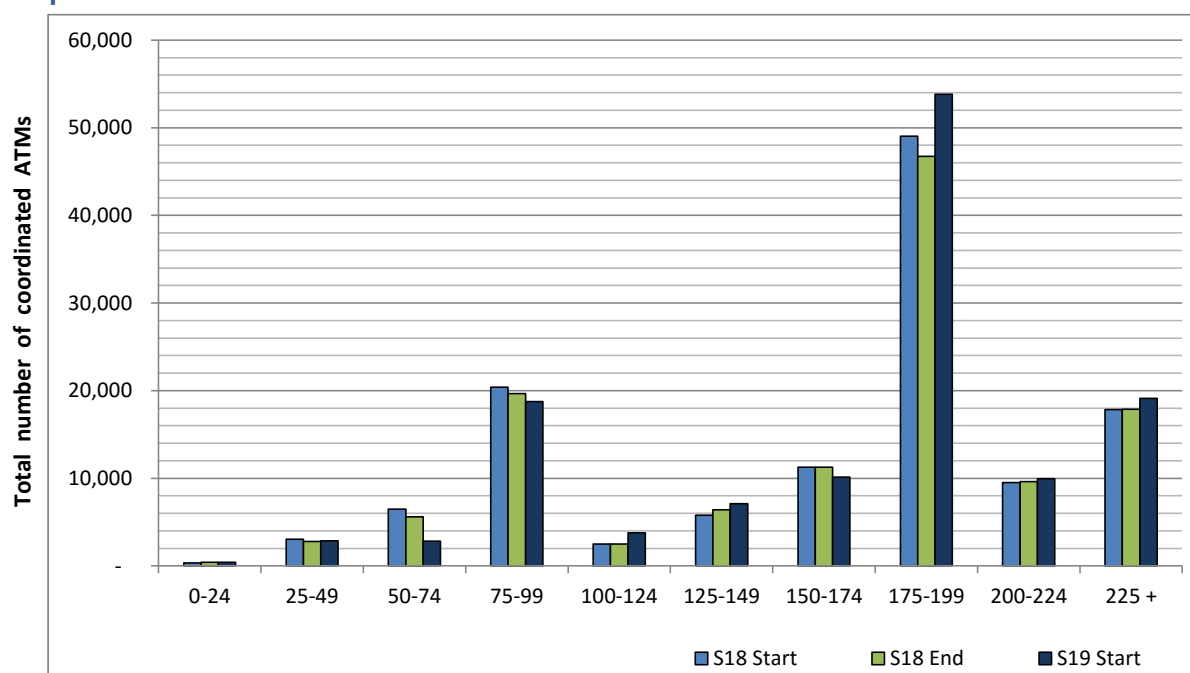
Full Season - Aircraft Size Analysis

ICAO size designation



Note: See Glossary for definitions of ICAO SIZE groupings

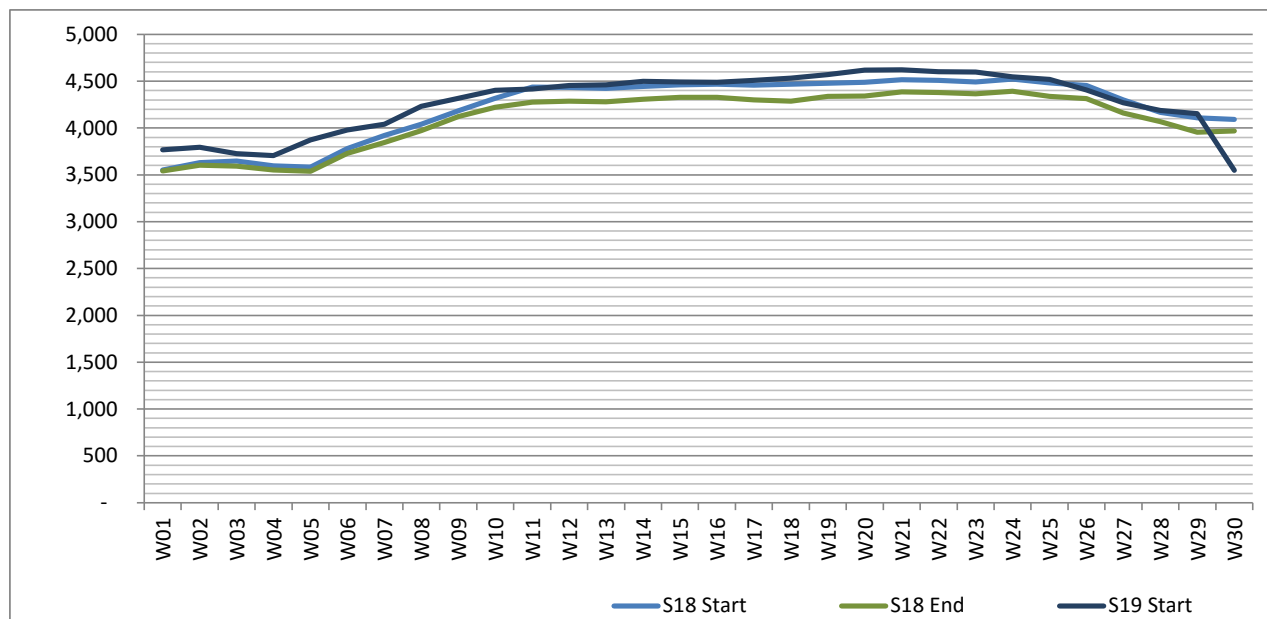
Air Transport Movement seat distribution



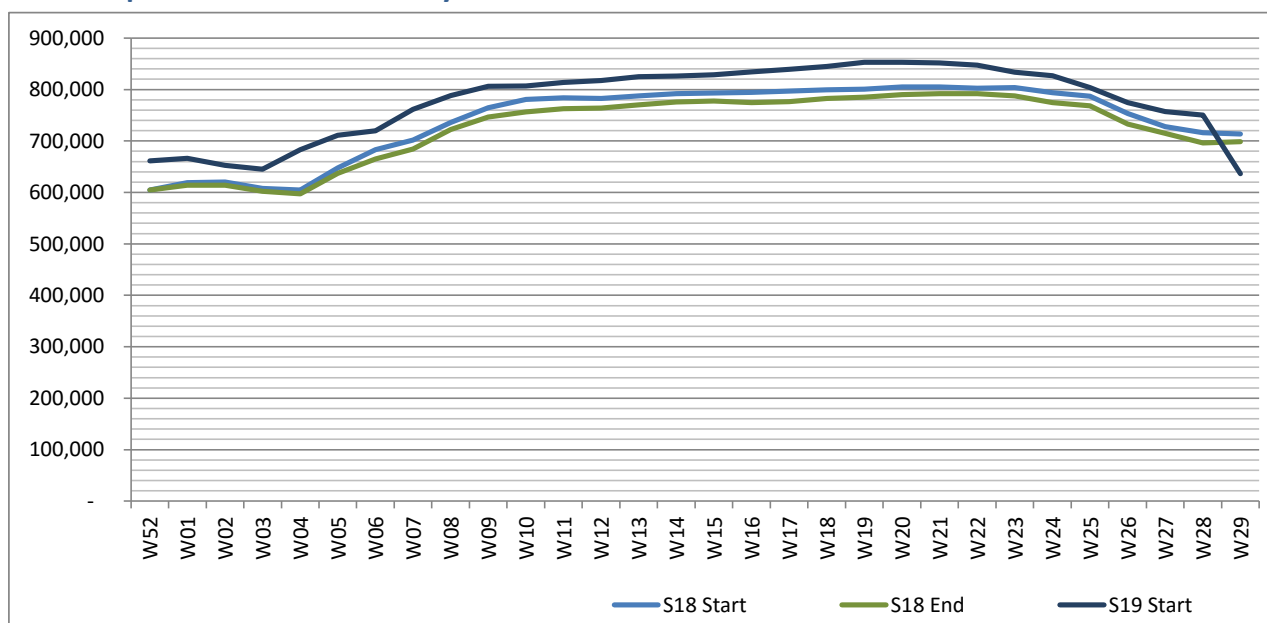
Note: FREIGHT-ONLY services with 0 seats are included in the first seat band '0-24'

Full Season - Seasonality

Air Transport Movements by week of season



Air Transport Movement Seats by week of season



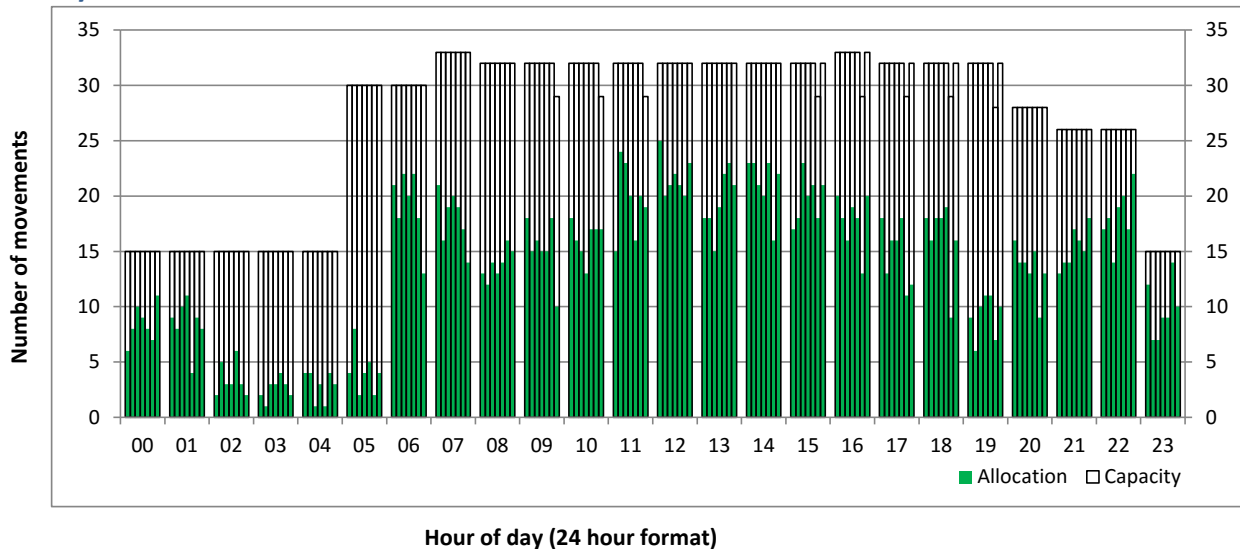
Peak Week - Hourly Runway Allocation

Schedule: S19 Start



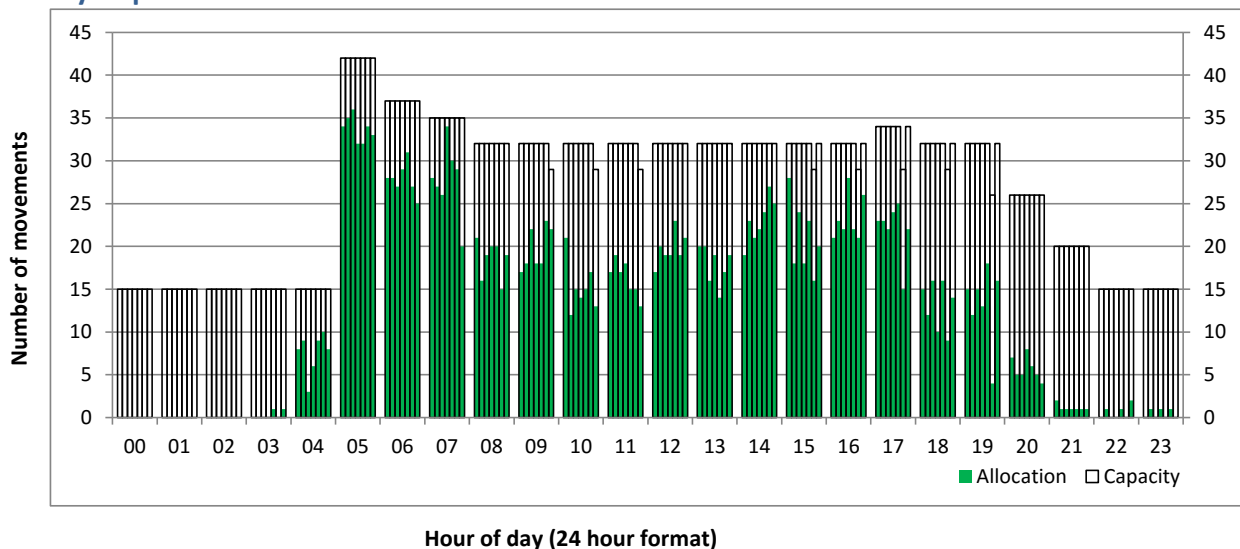
Hourly Arrival Allocation

Time: UTC



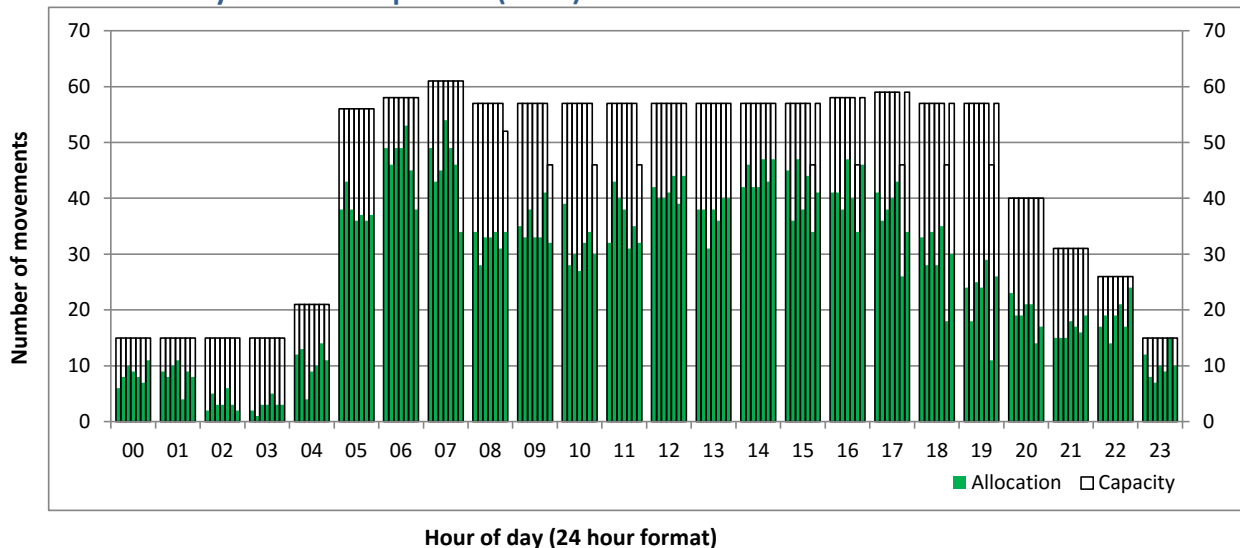
Hourly Departure Allocation

Time: UTC



Combined Hourly Arrival & Departure (Total) Allocation

Time: UTC



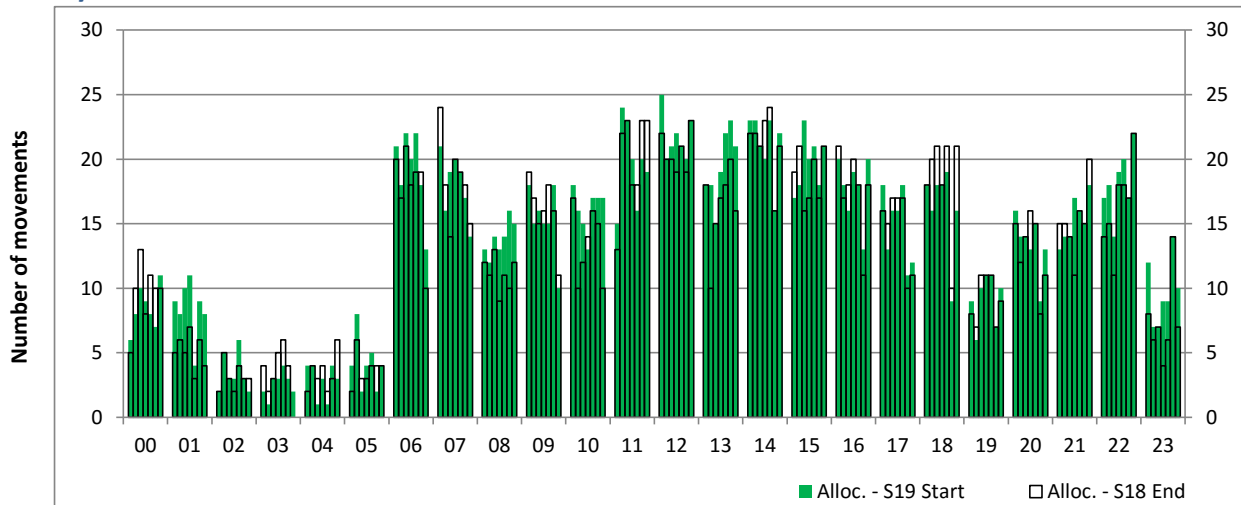
Peak Week - Runway Allocation Comparison

Comparison of S19 Start vs. S18 End



Hourly Arrival Allocation

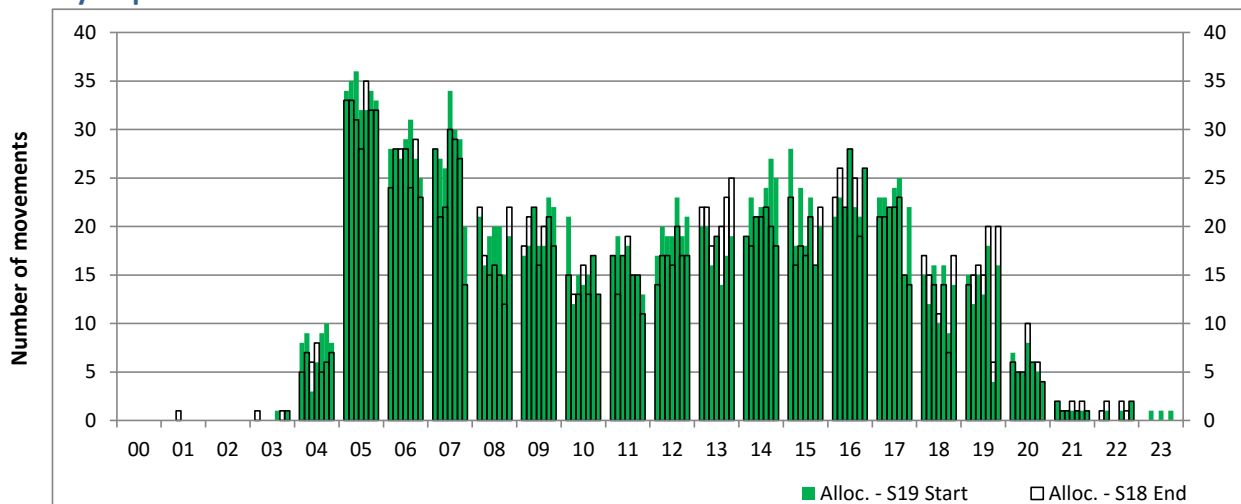
Time: UTC



Hour of day (24 hour format)

Hourly Departure Allocation

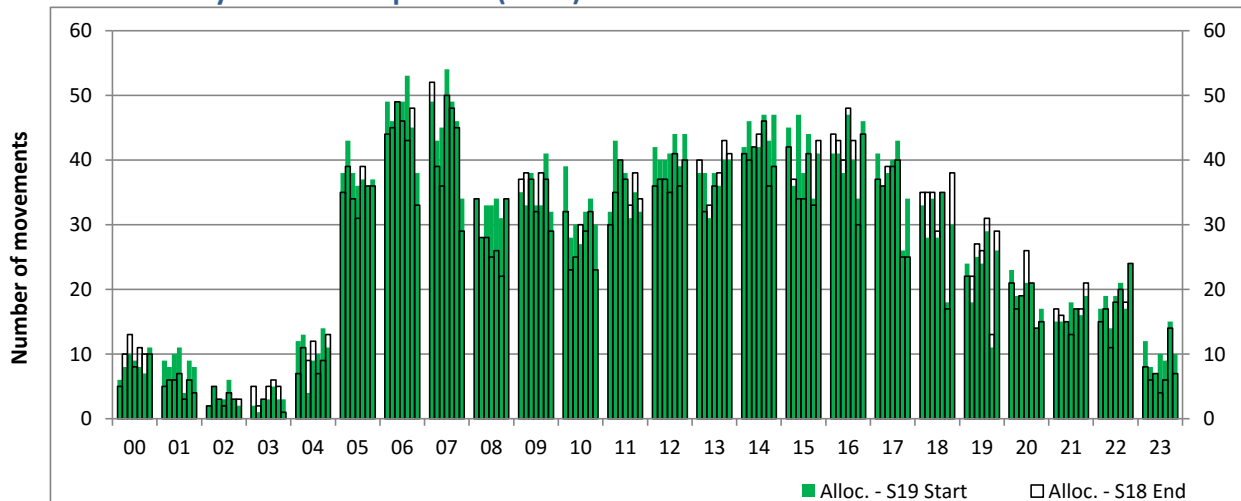
Time: UTC



Hour of day (24 hour format)

Combined Hourly Arrival & Departure (Total) Allocation

Time: UTC



Hour of day (24 hour format)

Peak Week - Passengers Histogram

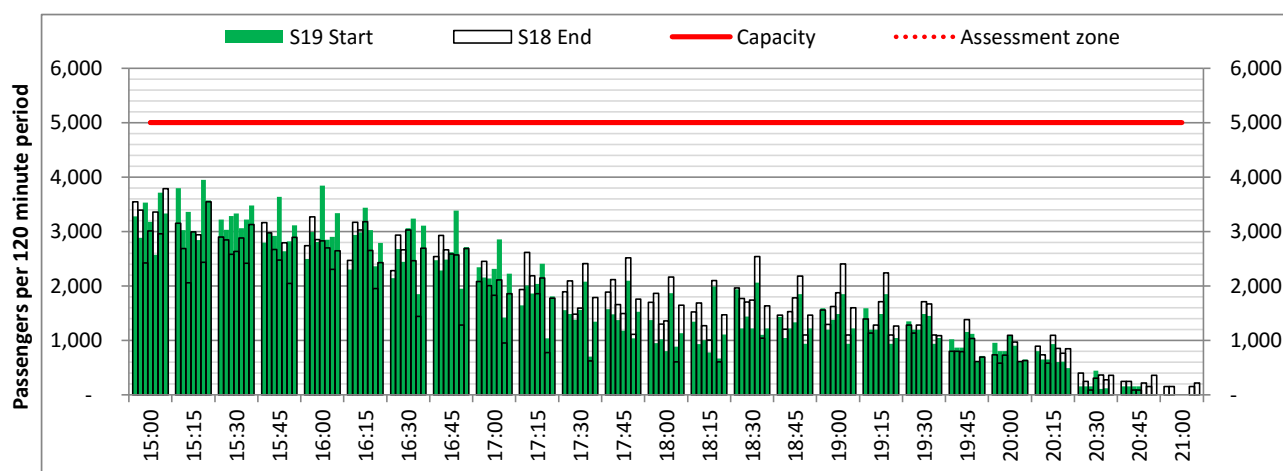
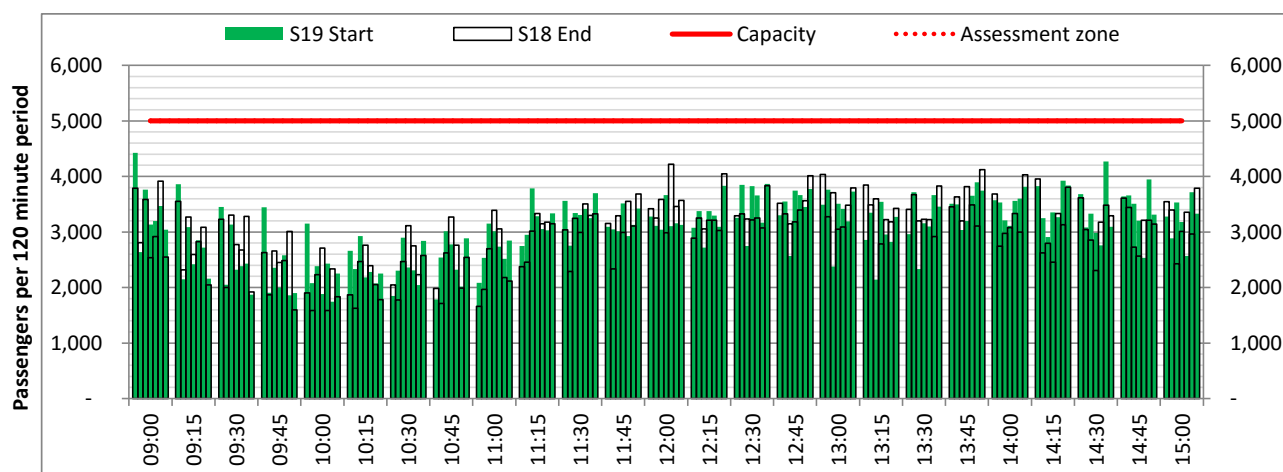
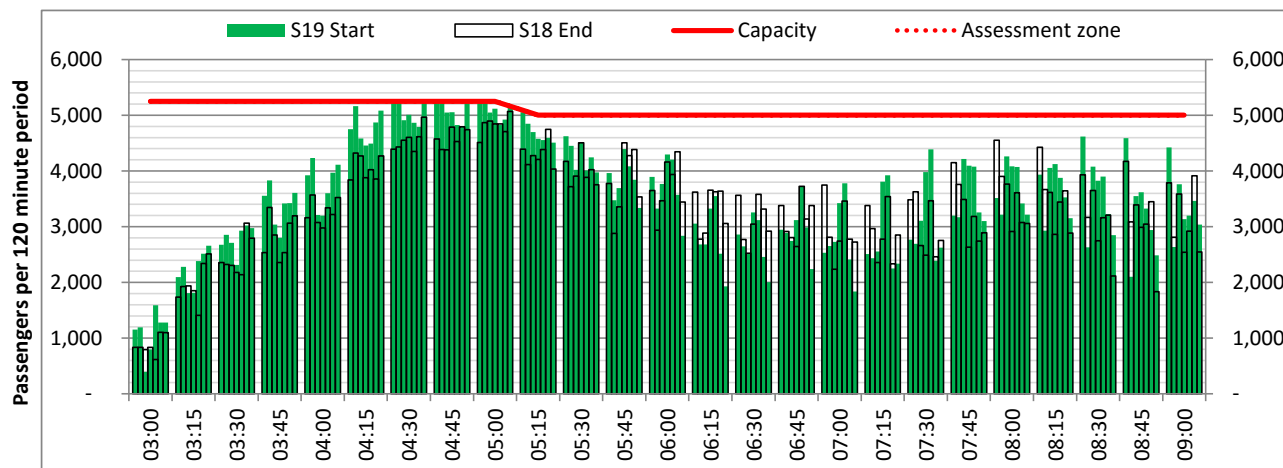
DEPARTURE - 120 minute count rolling every 15 mins (T120/15)



Terminals: T1

Operators: All Operators

Days: 1234567



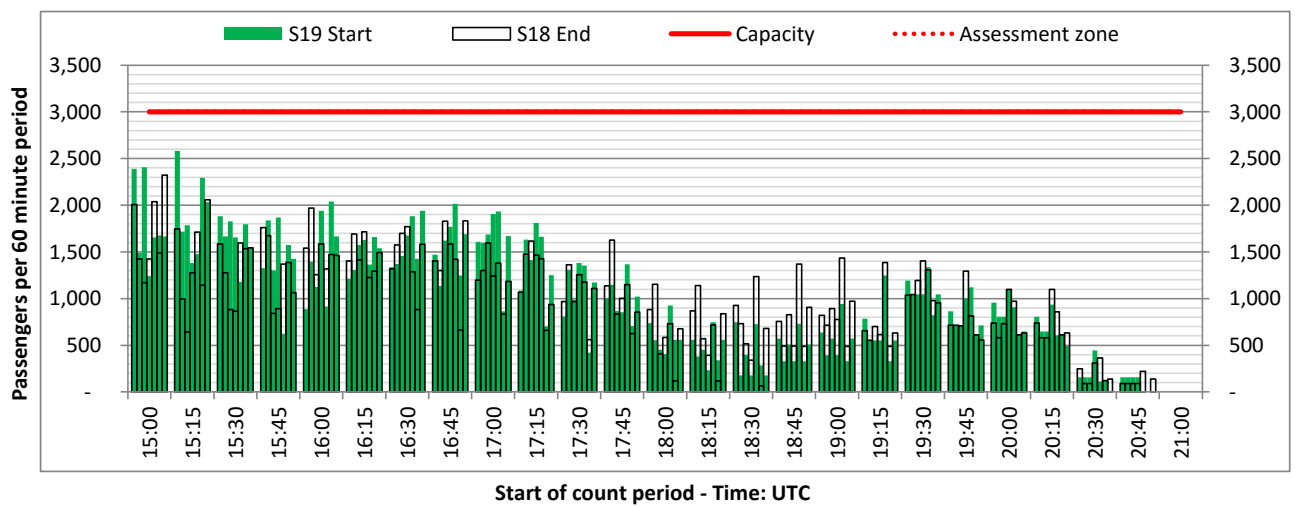
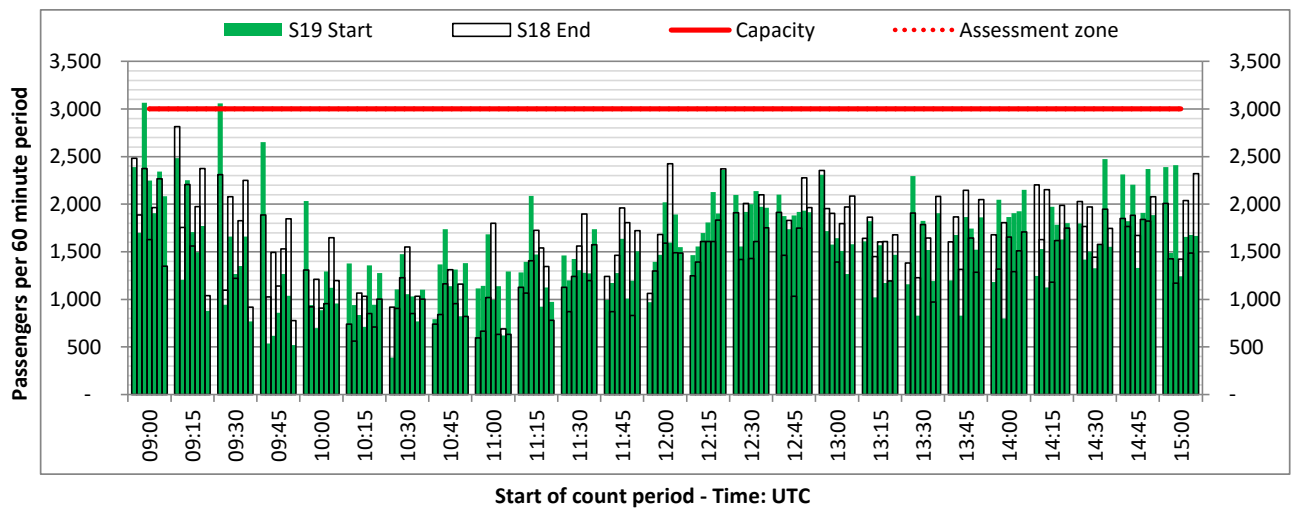
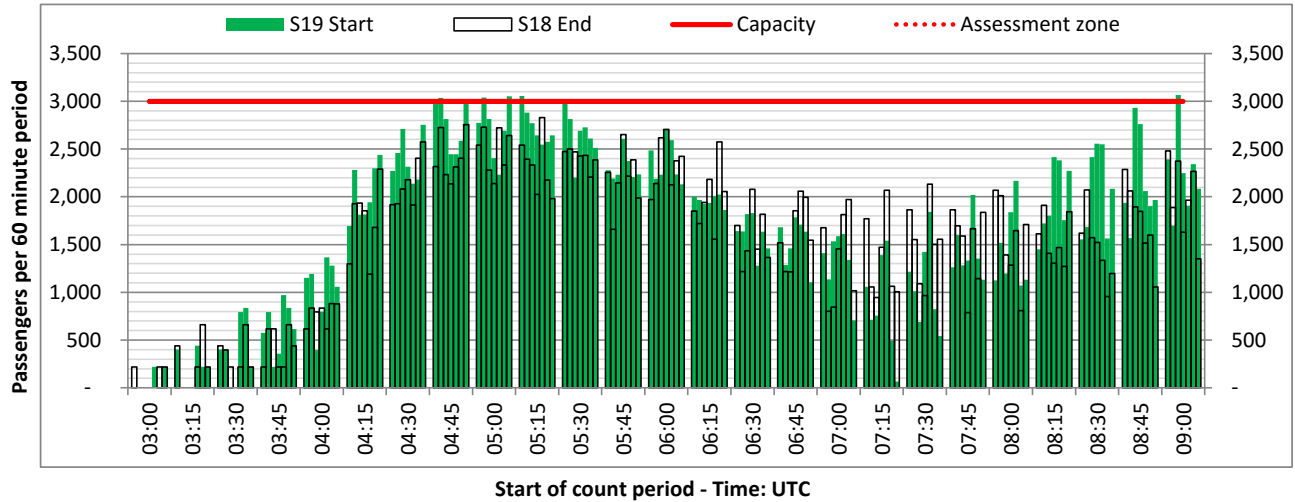
Peak Week - Passengers Histogram

DEPARTURE - 60 minute count rolling every 15 mins (T60/15)

Terminals: T1

Operators: All Operators

Days: 1234567



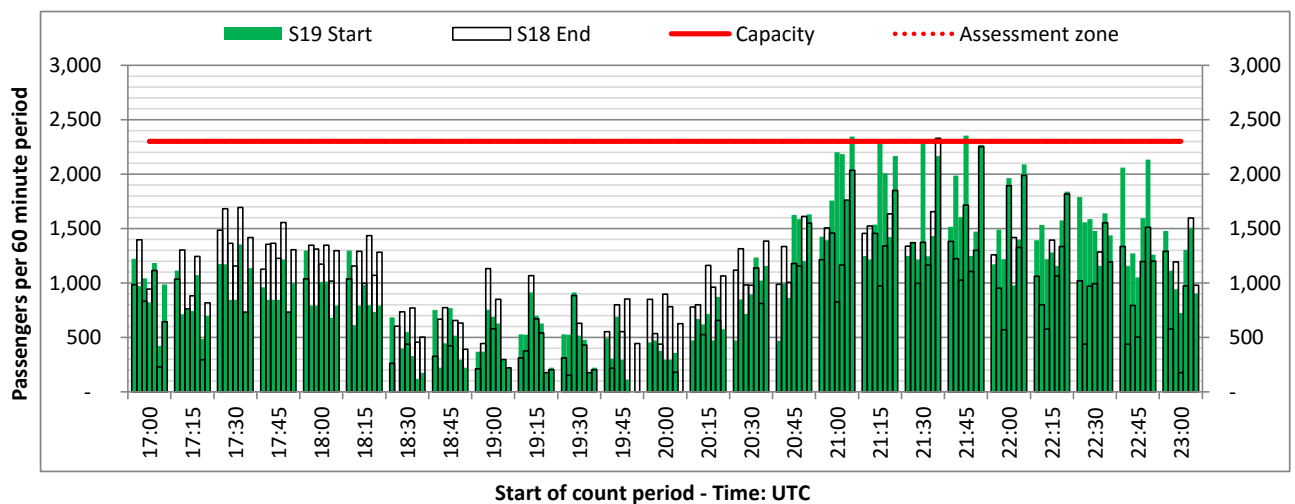
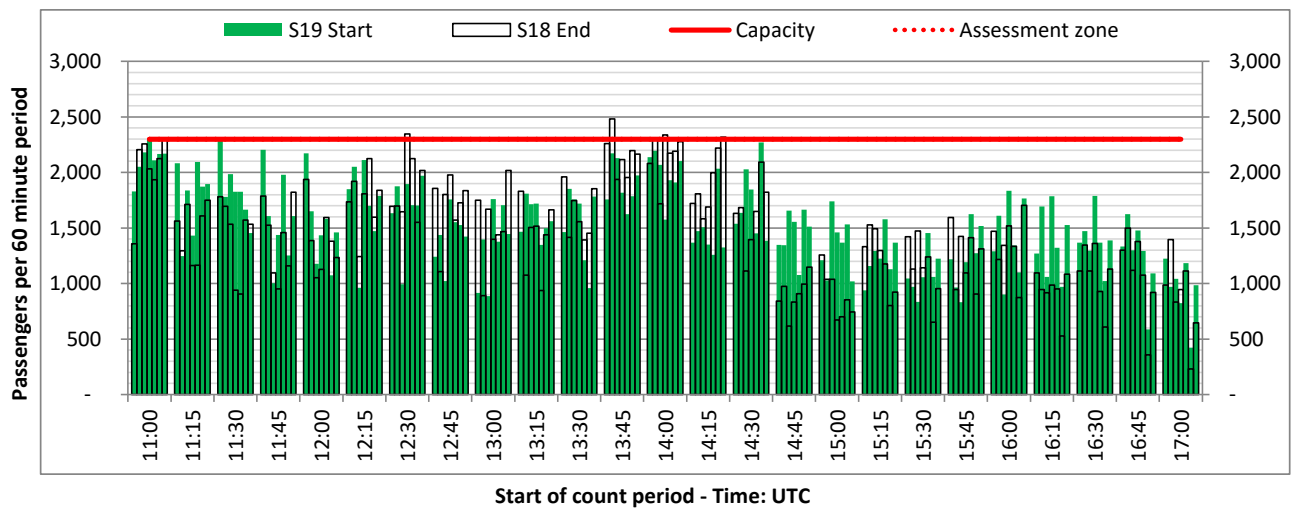
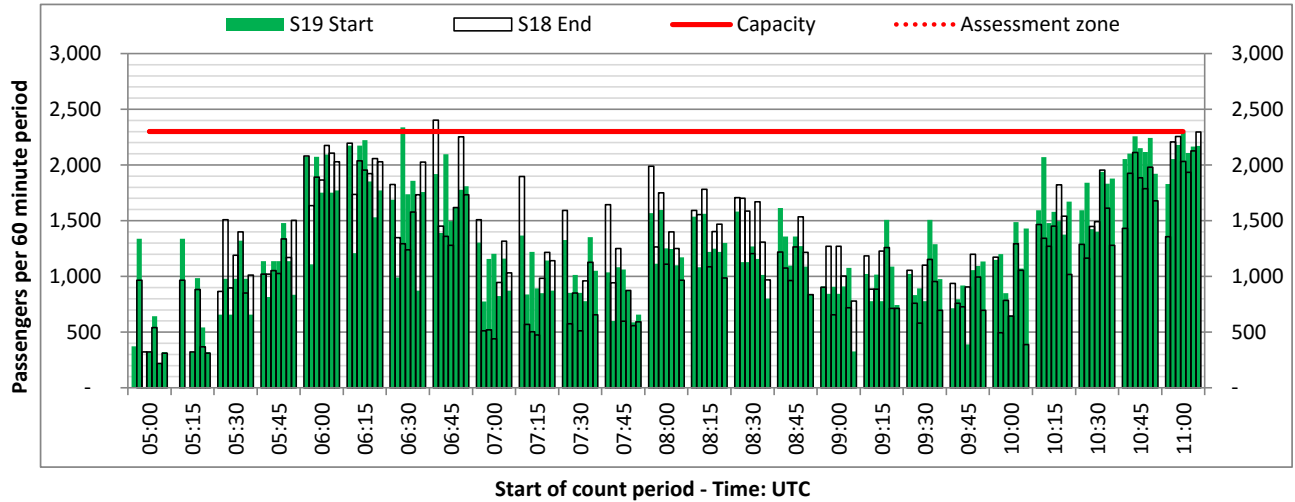
Peak Week - Passengers Histogram

ARRIVAL - 60 minute count rolling every 15 mins (T60/15)

Terminals: T1

Operators: All Operators

Days: 1234567



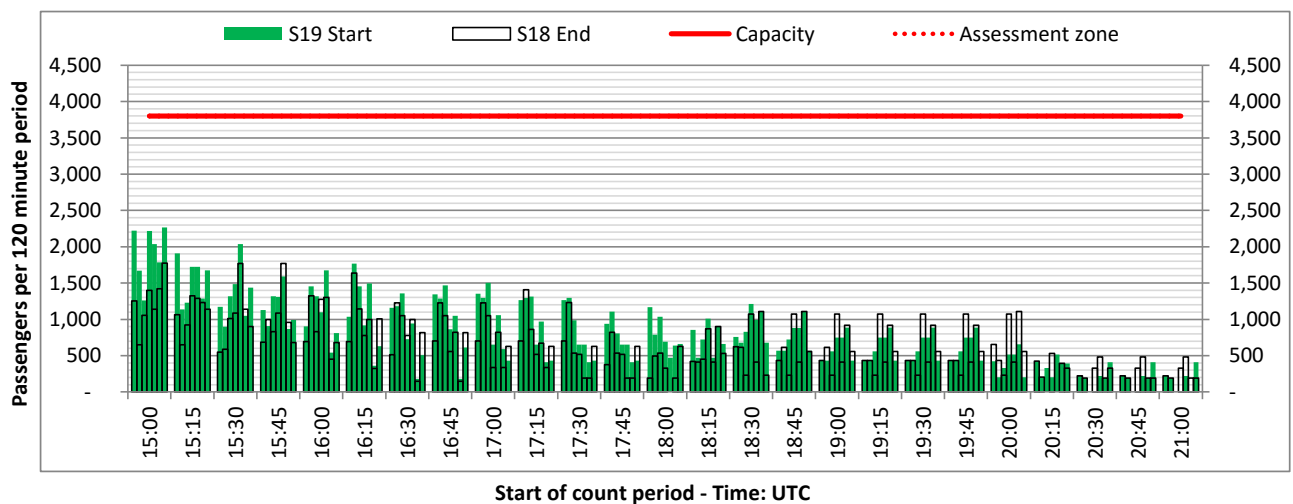
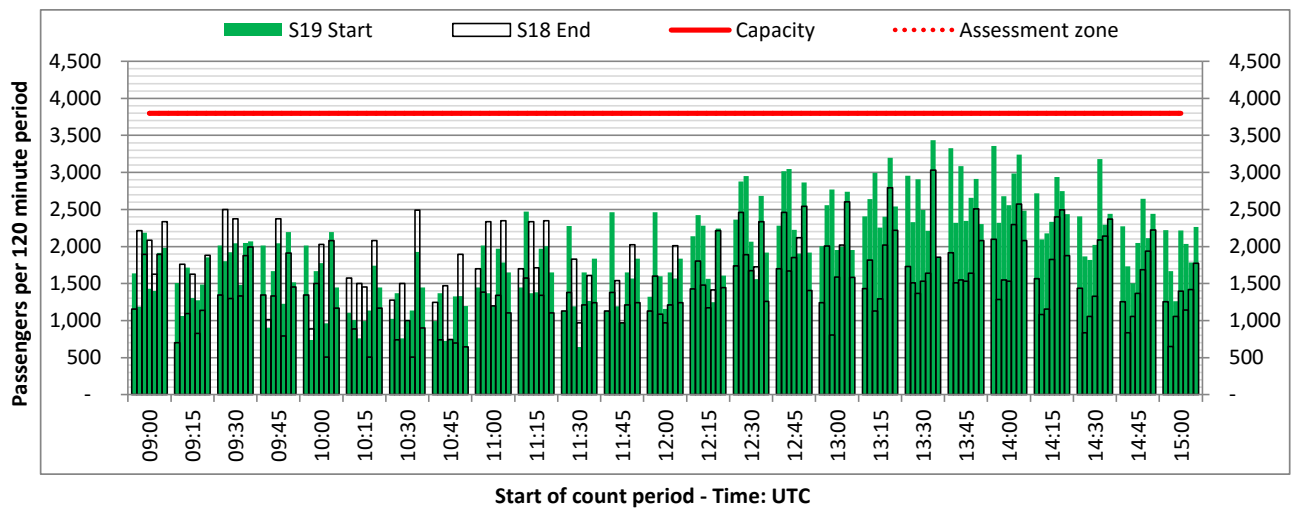
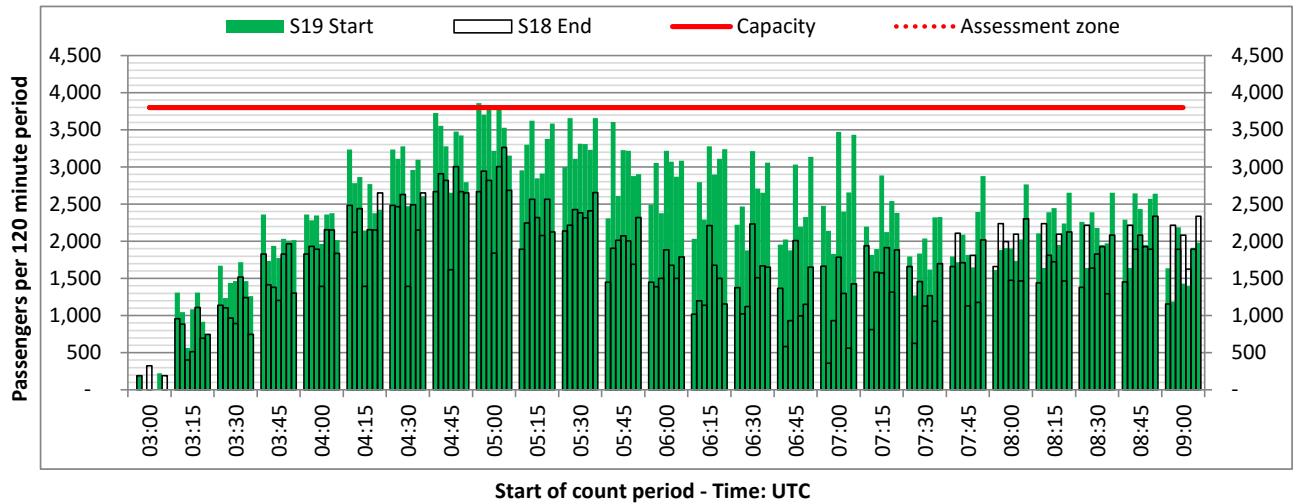
Peak Week - Passengers Histogram

DEPARTURE - 120 minute count rolling every 15 mins (T120/15)

Terminals: T2

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

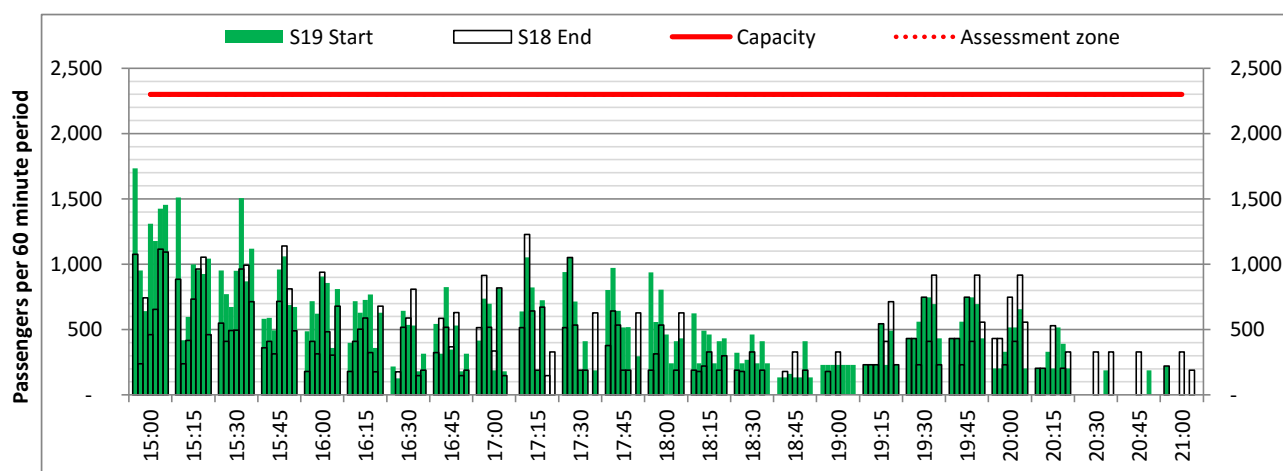
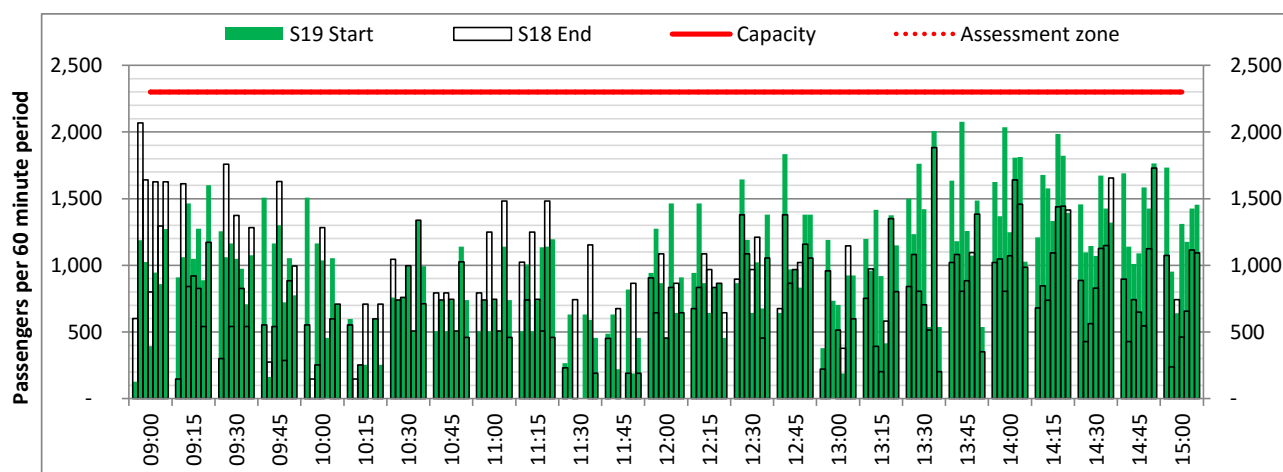
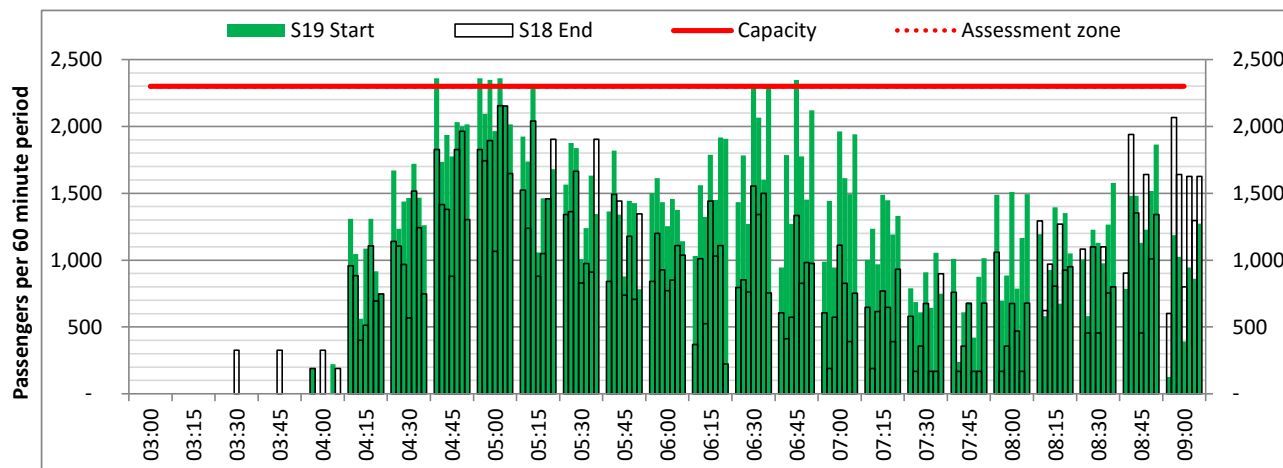
DEPARTURE - 60 minute count rolling every 15 mins (T60/15)



Terminals: T2

Operators: All Operators

Days: 1234567



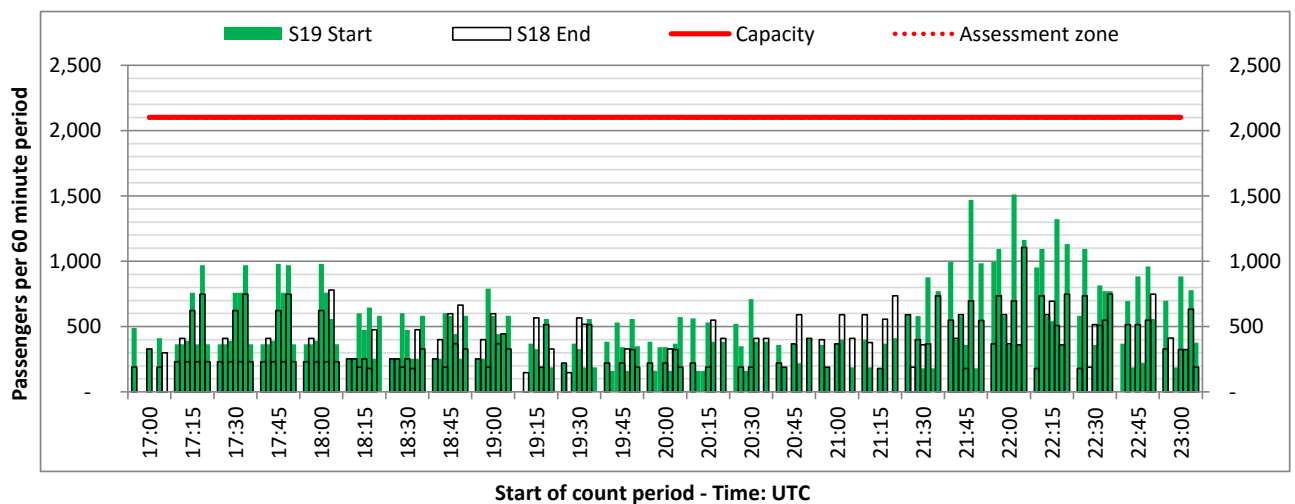
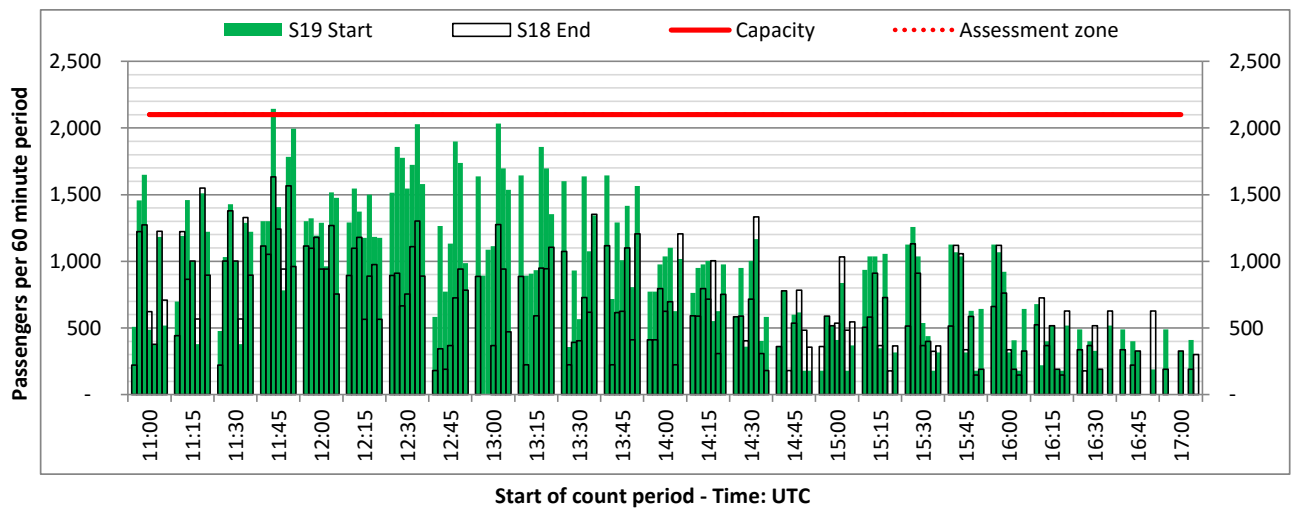
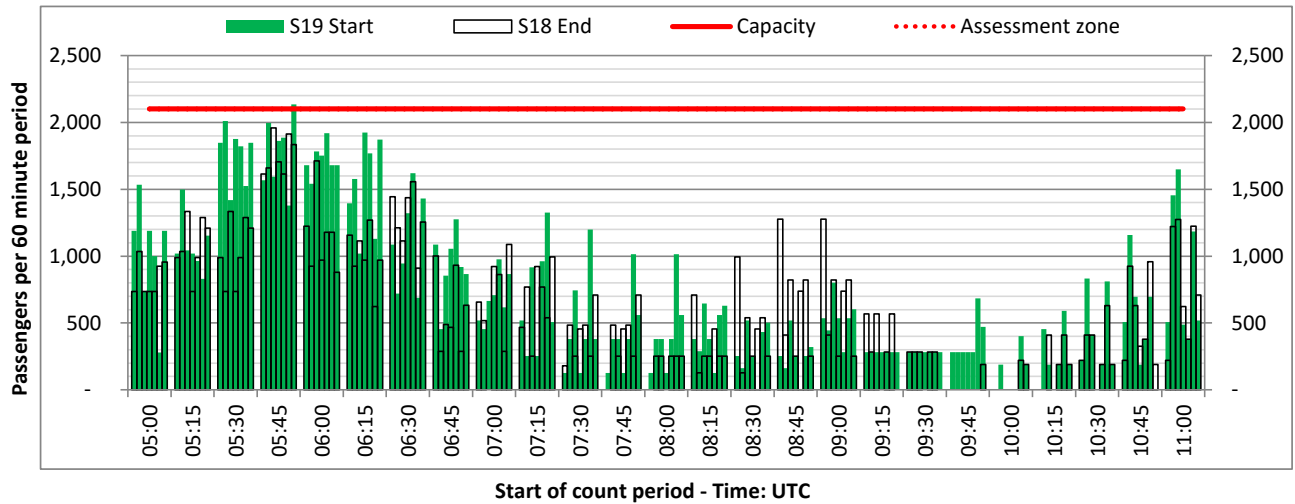
Peak Week - Passengers Histogram

ARRIVAL - 60 minute count rolling every 15 mins (T60/15)

Terminals: T2

Operators: All Operators

Days: 1234567



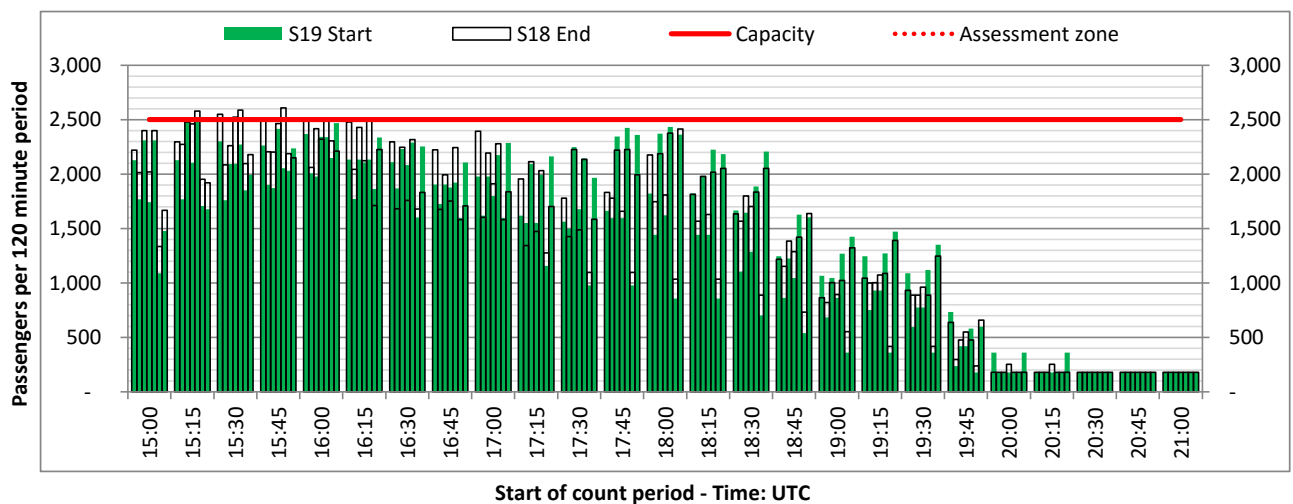
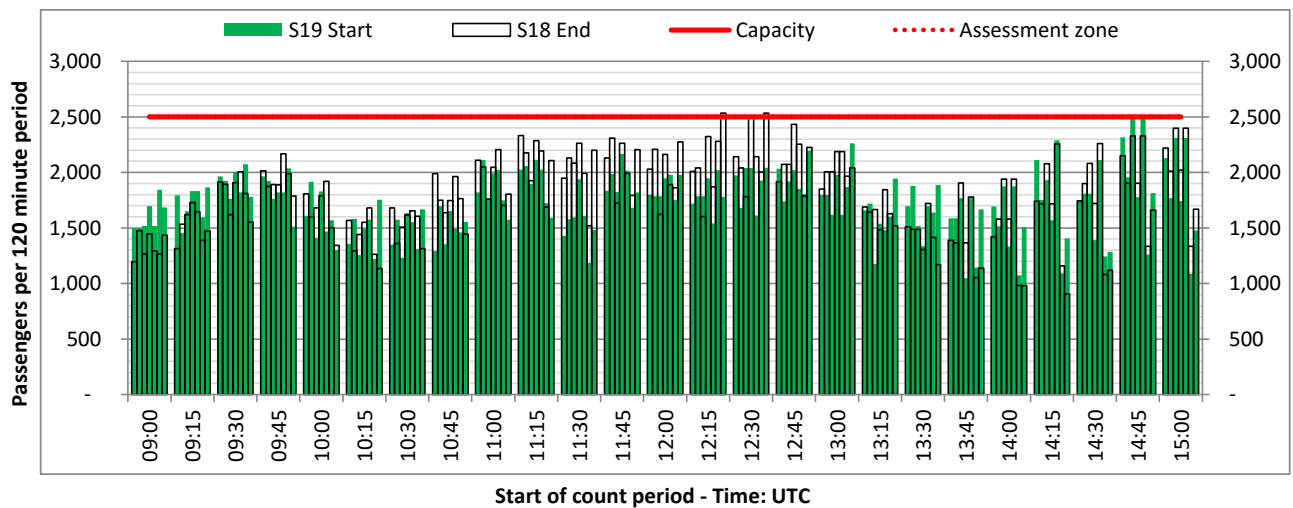
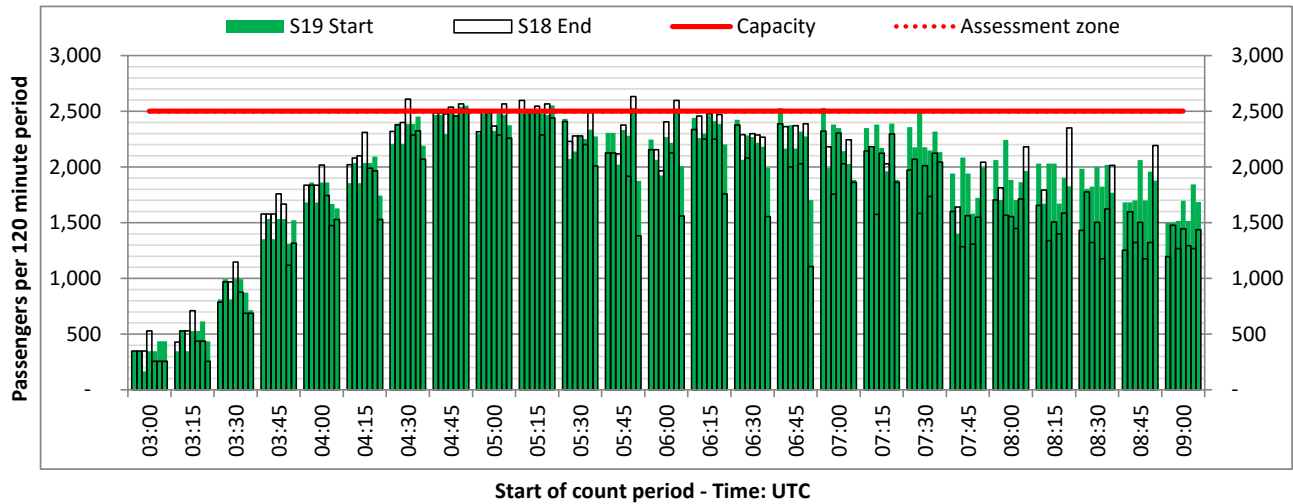
Peak Week - Passengers Histogram

DEPARTURE - 120 minute count rolling every 15 mins (T120/15)

Terminals: T3

Operators: All Operators

Days: 1234567



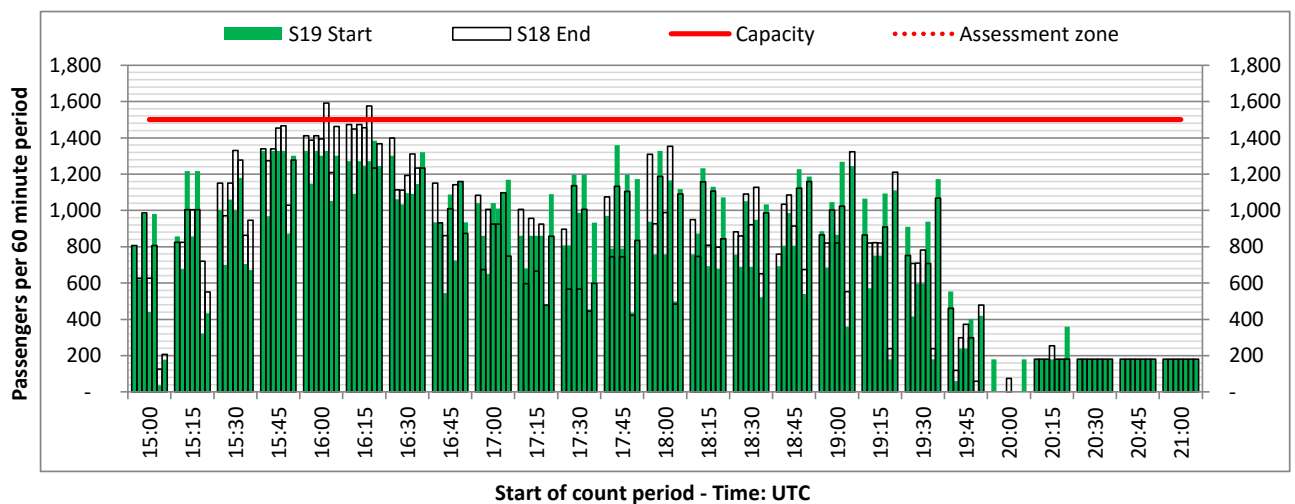
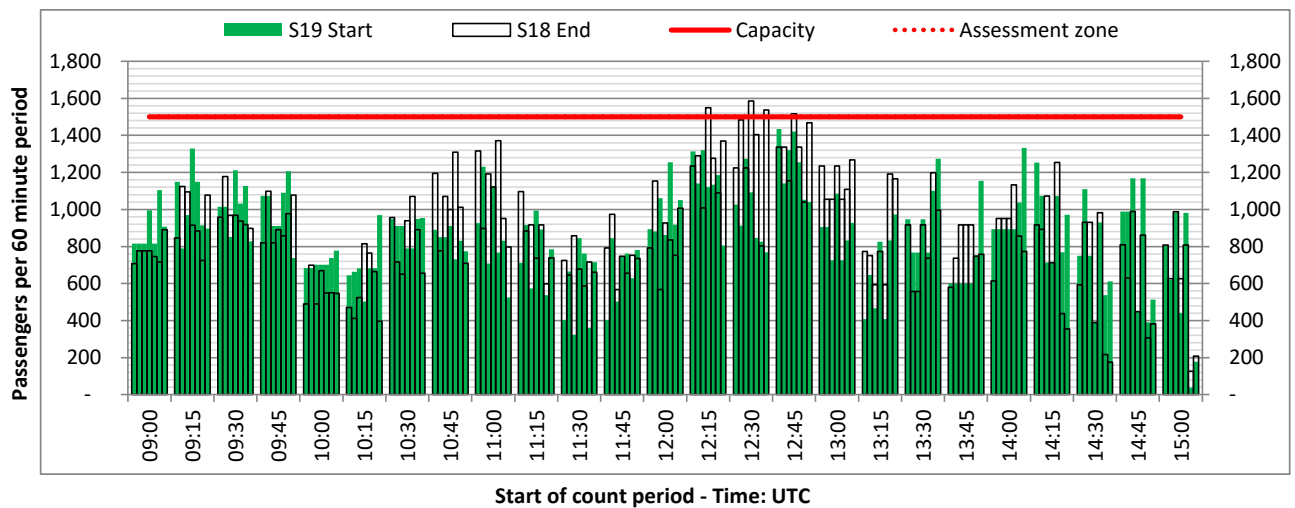
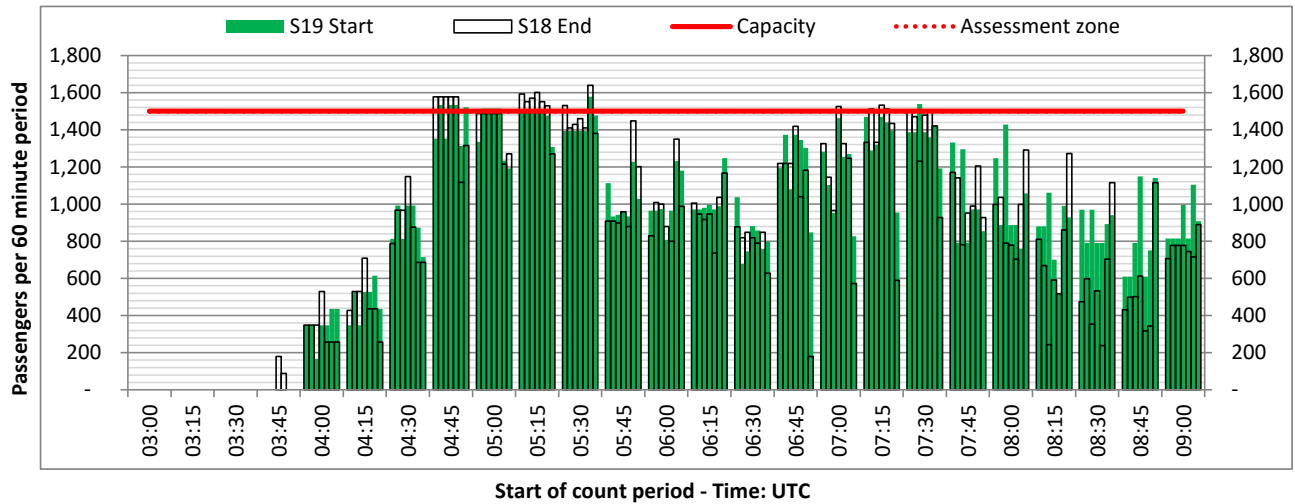
Peak Week - Passengers Histogram

DEPARTURE - 60 minute count rolling every 15 mins (T60/15)

Terminals: T3

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

ARRIVAL - 60 minute count rolling every 15 mins (T60/15)

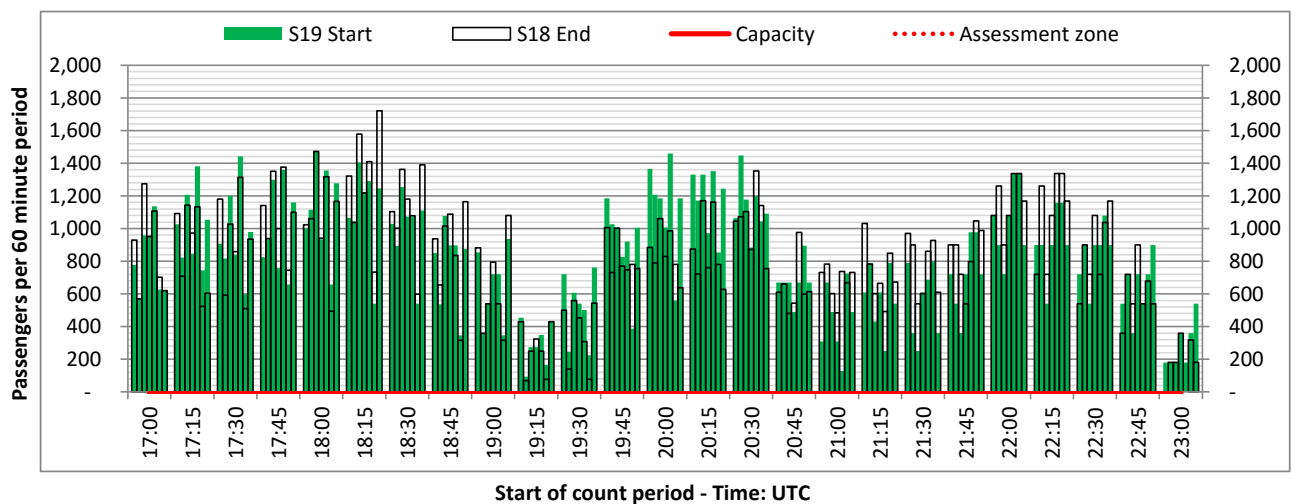
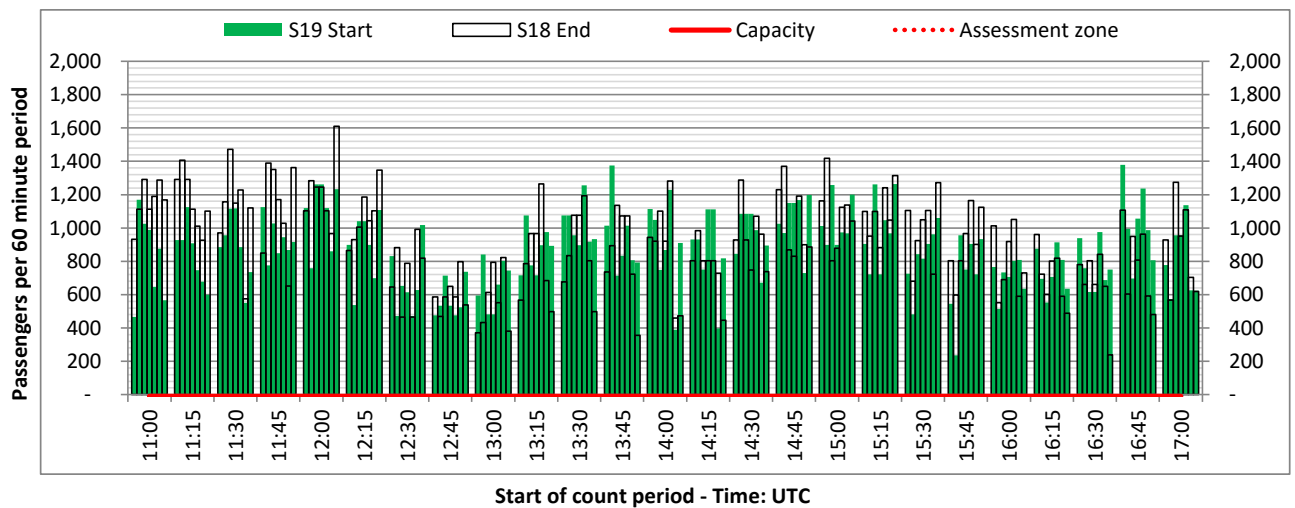
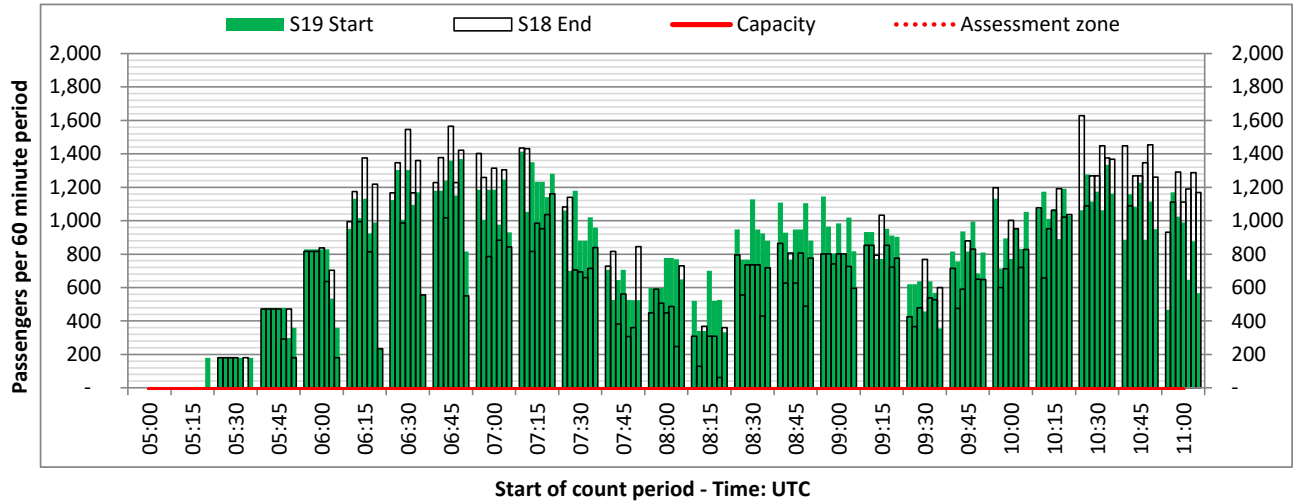


(unable to split domestic and Intl in report so no limit shown)

Terminals: T3 (Dom & Intl)

Operators: All Operators

Days: 1234567



Glossary



Air Transport Movement (ATM)	Any aircraft movement which is either a scheduled or chartered passenger or cargo flight.
Common Travel Area (CTA)	Origin or Destination is in Republic of Ireland or the Channel Islands.
Demand	Unconstrained demand before any schedule adjustments have been made.
"Fill-in"	These are gaps in a historic series of slots which the carrier requests to "Fill-in" at Initial Submissions - Fill-ins will be recognisably part of the historic series and will have the same flight details to qualify as a "Fill-in".
Hist (SHL)	Snapshot of historic schedule rolled over from end of the previous equivalent season - as advised to airlines in the SHLs.
ICAO Size A	Aircraft with wingspan between 0.00m - 14.99m.
ICAO Size B	Aircraft with wingspan between 15.00m - 23.99m.
ICAO Size C	Aircraft with wingspan between 24.00m - 35.99m.
ICAO Size D	Aircraft with wingspan between 36.00m - 51.99m.
ICAO Size E	Aircraft with wingspan between 52.00m - 64.99m.
ICAO Size F	Aircraft with wingspan between 65.00m - 80.00m.
Init Coord	Snapshot of schedule immediately after Initial Coordination is completed - as advised to airlines in the SALs.
Passenger Air Transport Movement (PATM)	Any aircraft movement which is either a scheduled or chartered passenger flight.
Start	Snapshot of schedule shortly before the start of the scheduling season (exact date given below where used).
Time: Local	Times shown are in LOCAL time for the airport/scheduling season.
Time: UTC	Times shown are in Universal Time Constant (UTC).

Data snapshot descriptions

S18 Start	S18 schedule as cleared on Tue 20-Mar-18.
S18 End	S18 schedule as cleared on Wed 20-Mar-19.
S19 Start	S19 schedule as cleared on Wed 20-Mar-19.
Peak Week	Peak week for S18 is Mon 03-Sep-18 to Sun 09-Sep-18. Peak week for S19 is Mon 02-Sep-19 to Sun 08-Sep-19.

For ACL use

	Airport-Season-Branch-Resource	From date	To date	Time
Full Season Rep 1	MAN-S18-SOS Report-Standard	Sun 25-Mar-2018	Sat 27-Oct-2018	UTC
Full Season Rep 2	MAN-S18-EOS Report-Standard	Sun 25-Mar-2018	Sat 27-Oct-2018	UTC
Full Season Rep 3	MAN-S19-SOS Report-Standard	Sun 31-Mar-2019	Sat 26-Oct-2019	UTC
	Airport-Season-Branch-Resource	From date	To date	Time
Peak Week Rep 1	MAN-S18-SOS Report-Standard	Mon 03-Sep-2018	Sun 09-Sep-2018	UTC
Peak Week Rep 2	MAN-S18-EOS Report-Standard	Mon 03-Sep-2018	Sun 09-Sep-2018	UTC
Peak Week Rep 3	MAN-S19-SOS Report-Standard	Mon 02-Sep-2019	Sun 08-Sep-2019	UTC