

Heathrow Airport (LHR)

Summer 2020 (S20)



Initial Coordination Report

Report Date: Fri 01-Nov-2019

Headlines

	S20 Init Coord	vs. S19 Init Coord	vs. S20 Hist (SHL)
Total Air Transport Movements (Passenger & Freight)	289,892	▲ 0.1%	▲ 0.2%
Total Passenger Air Transport Movements	288,783	▲ 0.1%	▲ 0.2%
Total Passenger Air Transport Movement Seats	64,412,486	▲ 3.3%	▲ 4.0%
Average Seats per Passenger Air Transport Movement	223	▲ 3.2%	▲ 3.8%
Percentage of allocated slots cleared as requested (OK)	90.9%		

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

S20 scheduling season runs from Sun 29-Mar-2020 to Sat 24-Oct-2020 (210 days).

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Runway Scheduling Limits



Declared Hourly Movement Capacity

S19 Arrivals								Change: S19 to S20								S20 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
05	39	39	39	39	39	39	39	05								05	39	39	39	39	39	39	39
06	39	39	39	39	39	39	39	06								06	39	39	39	39	39	39	39
07	39	39	39	39	39	39	39	07								07	39	39	39	39	39	39	39
08	44	44	44	44	44	44	44	08	2	2	2	2	2	2	2	08	46	46	46	46	46	46	46
09	43	43	43	43	43	43	43	09	-2	-2	-2	-2	-2	-2	-2	09	41	41	41	41	41	41	41
10	40	40	40	40	40	40	40	10	1	1	1	1	1	1	1	10	41	41	41	41	41	41	41
11	41	41	41	41	41	41	41	11	-1	-1	-1	-1	-1	-1	-1	11	40	40	40	40	40	40	40
12	41	41	41	41	41	41	41	12	2	2	2	2	2	2	2	12	43	43	43	43	43	43	43
13	40	40	40	40	40	40	40	13								13	40	40	40	40	40	40	40
14	40	40	40	40	40	40	40	14	-1	-1	-1	-1	-1	-1	-1	14	39	39	39	39	39	39	39
15	44	44	44	44	44	44	44	15								15	44	44	44	44	44	44	44
16	42	42	42	42	42	42	42	16	-3	-3	-3	-3	-3	-3	-3	16	39	39	39	39	39	39	39
17	45	45	45	45	45	45	45	17	1	1	1	1	1	1	1	17	46	46	46	46	46	46	46
18	43	43	43	43	43	43	43	18	-1	-1	-1	-1	-1	-1	-1	18	42	42	42	42	42	42	42
19	39	39	39	39	39	39	39	19	1	1	1	1	1	1	1	19	40	40	40	40	40	40	40
20	42	42	42	42	42	42	42	20								20	42	42	42	42	42	42	42
21	25	25	25	25	25	25	25	21	1	1	1	1	1	1	1	21	26	26	26	26	26	26	26

S19 Departures								Change: S19 to S20								S20 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
UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7	UTC	1	2	3	4	5	6	7
05	25	25	25	25	25	25	25	05	-1	-1	-1	-1	-1	-1	-1	05	24	24	24	24	24	24	24
06	45	45	45	45	45	45	45	06								06	45	45	45	45	45	45	45
07	41	41	41	41	41	41	41	07	1	1	1	1	1	1	1	07	42	42	42	42	42	42	42
08	46	46	46	46	46	46	46	08								08	46	46	46	46	46	46	46
09	43	43	43	43	43	43	43	09								09	43	43	43	43	43	43	43
10	43	43	43	43	43	43	43	10								10	43	43	43	43	43	43	43
11	42	42	42	42	42	42	42	11								11	42	42	42	42	42	42	42
12	43	43	43	43	43	43	43	12								12	43	43	43	43	43	43	43
13	45	45	45	45	45	45	45	13	1	1	1	1	1	1	1	13	46	46	46	46	46	46	46
14	45	45	45	45	45	45	45	14	-1	-1	-1	-1	-1	-1	-1	14	44	44	44	44	44	44	44
15	44	44	44	44	44	44	44	15	2	2	2	2	2	2	2	15	46	46	46	46	46	46	46
16	44	44	44	44	44	44	44	16	-3	-3	-3	-3	-3	-3	-3	16	41	41	41	41	41	41	41
17	44	44	44	44	44	44	44	17	1	1	1	1	1	1	1	17	45	45	45	45	45	45	45
18	45	45	45	45	45	45	45	18								18	45	45	45	45	45	45	45
19	45	45	45	45	45	45	45	19	-2	-2	-2	-2	-2	-2	-2	19	43	43	43	43	43	43	43
20	30	30	30	30	30	30	30	20	2	2	2	2	2	2	2	20	32	32	32	32	32	32	32
21	32	32	32	32	32	32	32	21								21	32	32	32	32	32	32	32

Coordinator's Report



Total demand	315,597 slots	
Total slots allocated	289,892 slots	91.86% of total demand
Number of slots cleared OK	263,613 slots	90.93% of total slots cleared

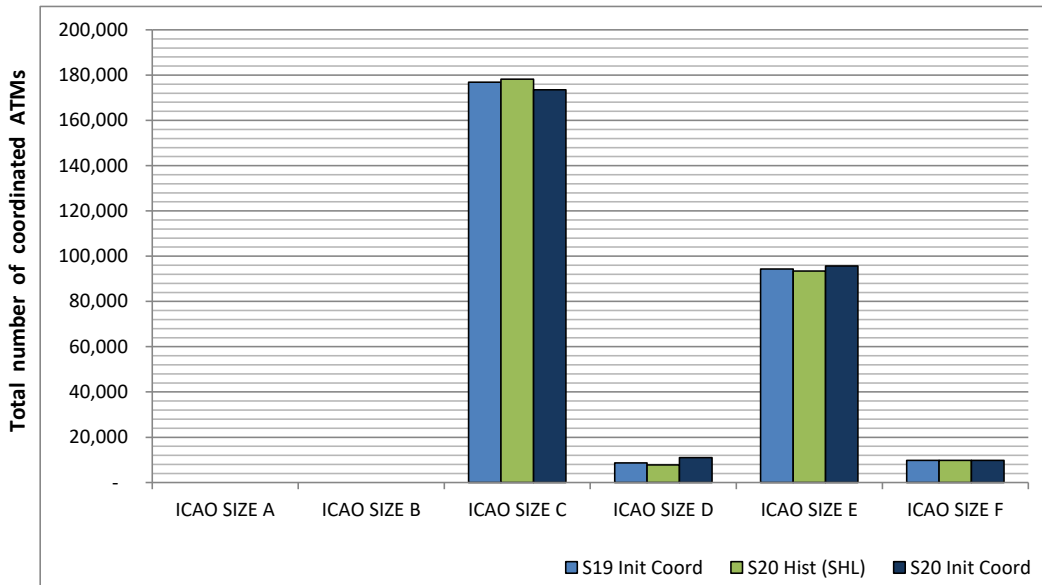
Slots adjusted (not OK) due to:

RUNWAY constraints	24,329 slots	92.6% of total slots adjusted
TERMINAL constraints	390 slots	1.5% of total slots adjusted
STAND constraints	- slots	0.0% of total slots adjusted
NIGHT constraints	- slots	0.0% of total slots adjusted
OTHER constraints	- slots	0.0% of total slots adjusted
RR/DEP TURNAROUND feasibility	1,560 slots	5.9% of total slots adjusted

Full Season - Aircraft Size Analysis

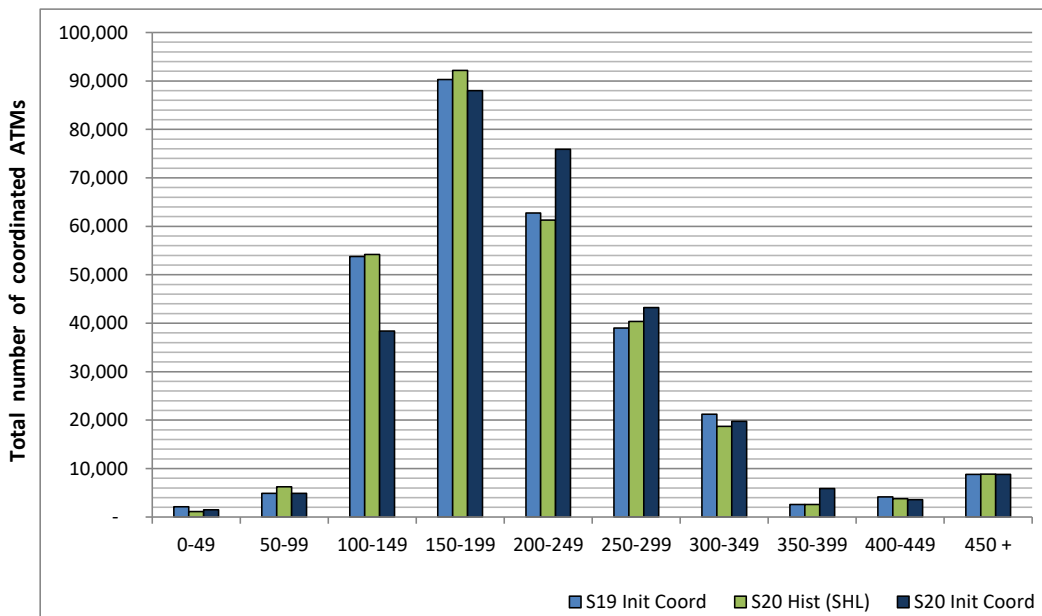


ICAO size designation



Note: See Glossary for definitions of ICAO SIZE groupings

Air Transport Movement seat distribution

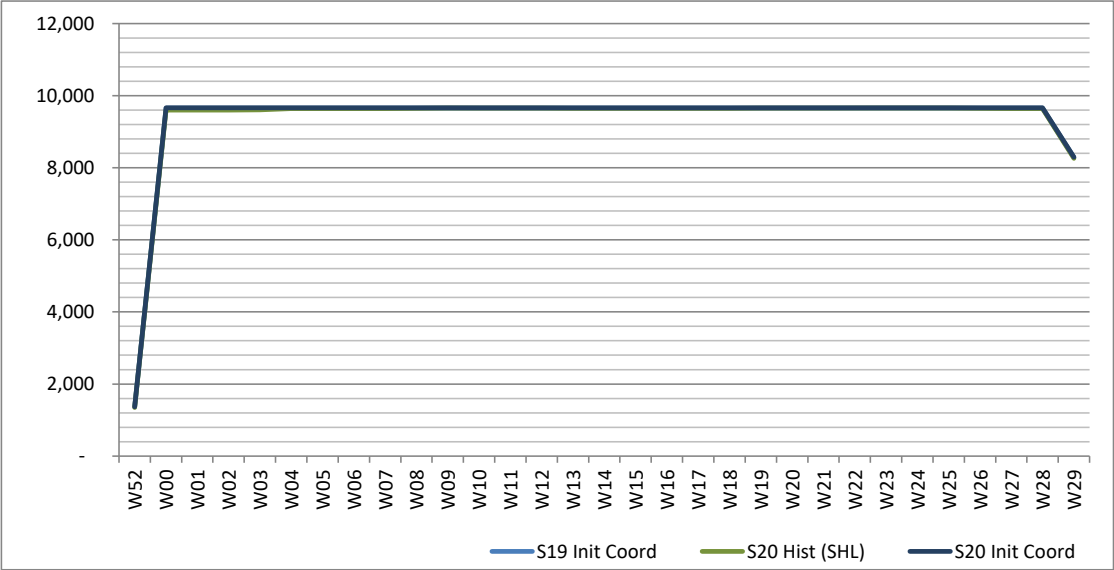


Note: FREIGHT-ONLY services with 0 seats are included in the first seat band '0-49'

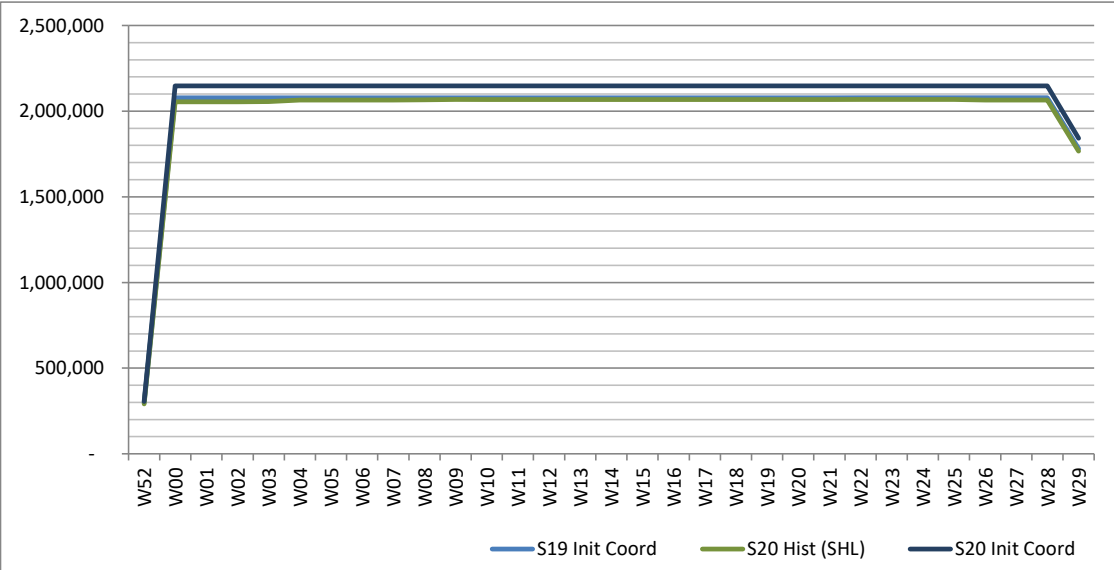
Full Season - Seasonality



Air Transport Movements by week of season



Air Transport Movement Seats by week of season



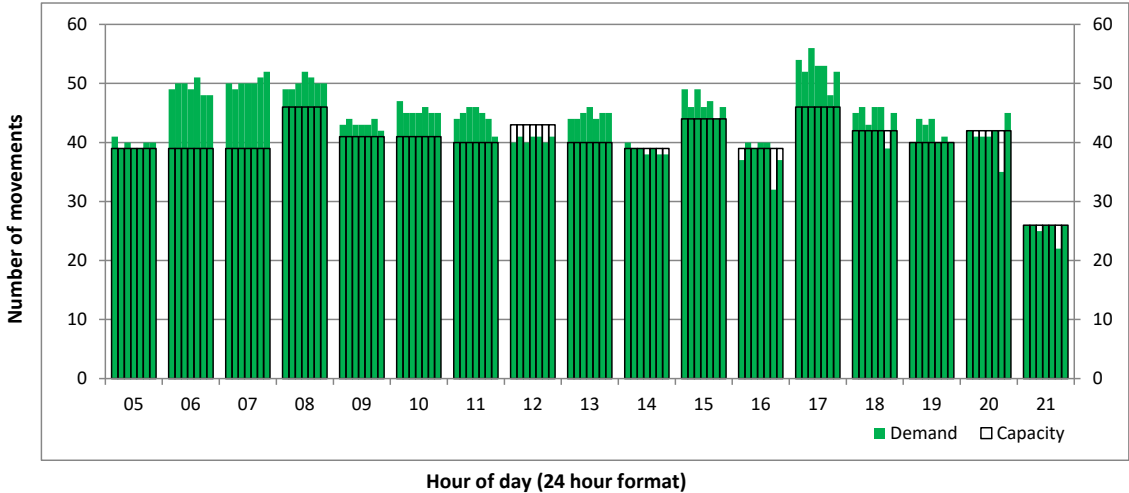
Peak Week - Initial Hourly Runway Demand

Schedule: S20 Init Coord



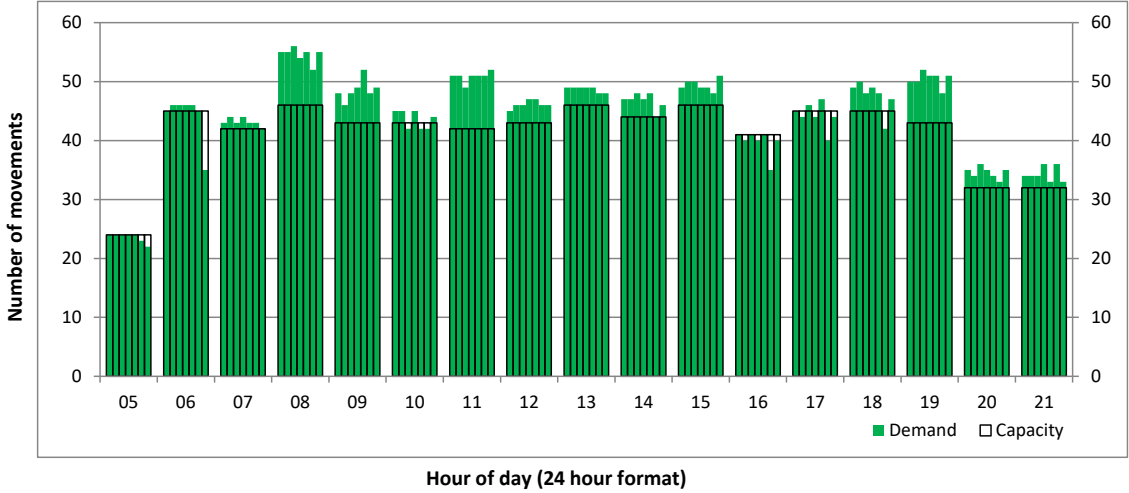
Hourly Arrival Demand

Time: UTC



Hourly Departure Demand

Time: UTC



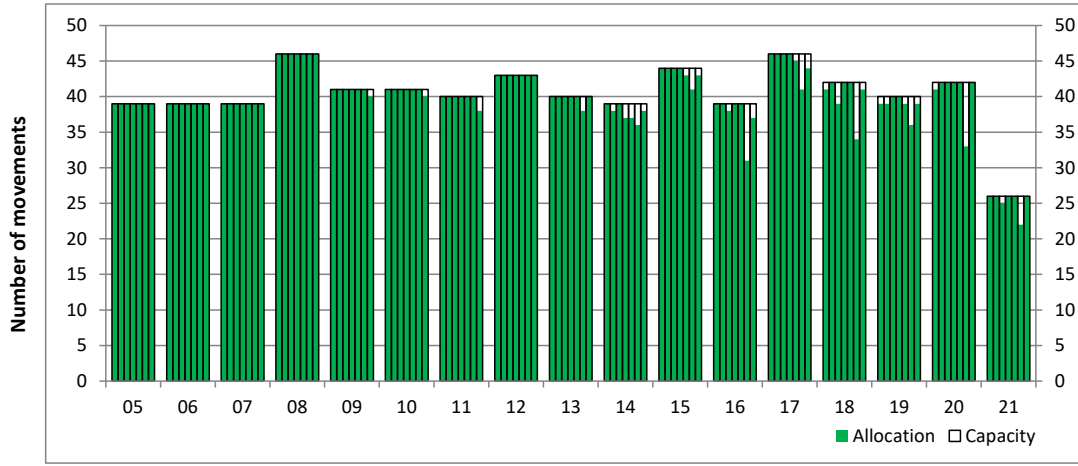
Peak Week - Hourly Runway Allocation

Schedule: S20 Init Coord



Hourly Arrival Allocation

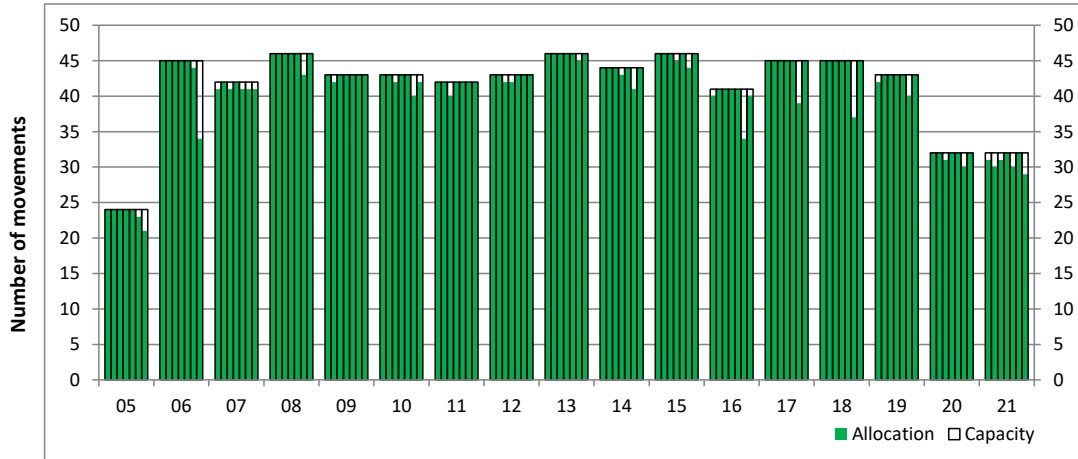
Time: UTC



Hour of day (24 hour format)

Hourly Departure Allocation

Time: UTC



Hour of day (24 hour format)

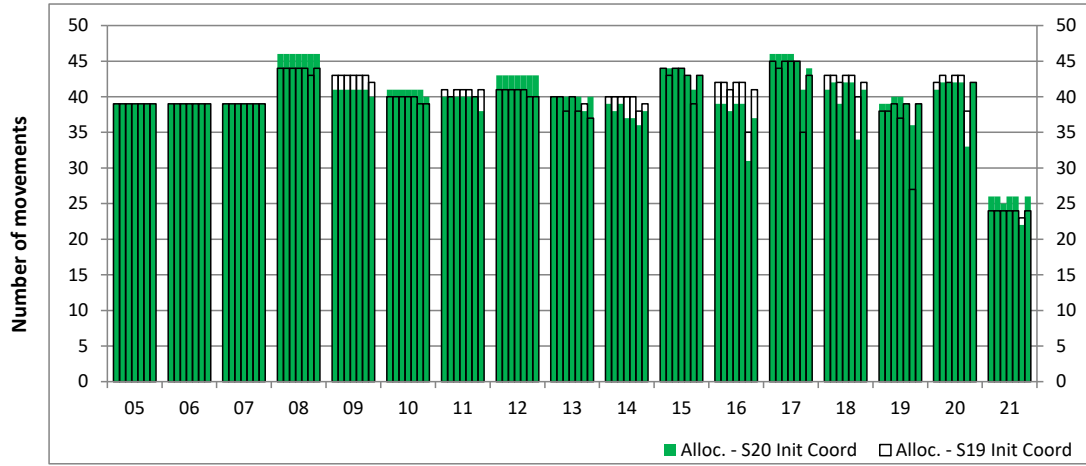
Peak Week - Runway Allocation Comparison



Comparison of S20 Init Coord vs. S19 Init Coord

Hourly Arrival Allocation

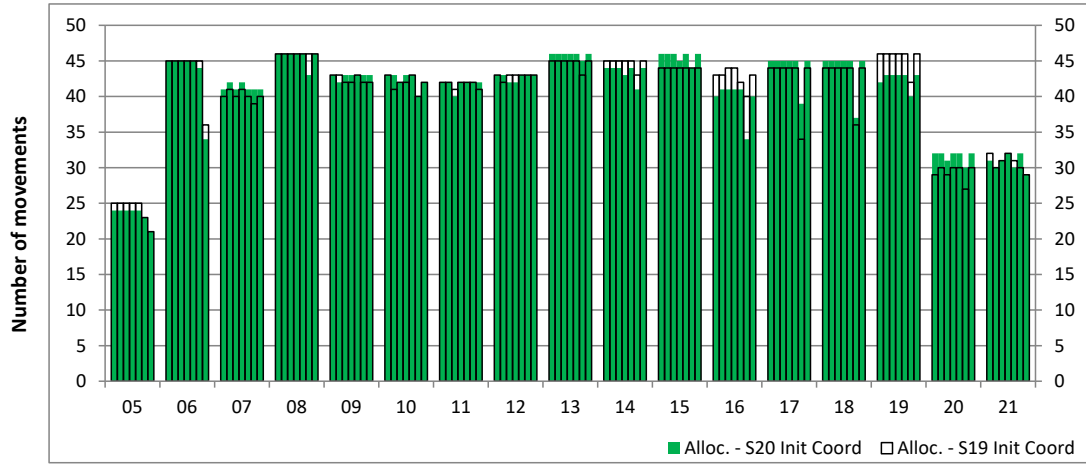
Time: UTC



Hour of day (24 hour format)

Hourly Departure Allocation

Time: UTC



Hour of day (24 hour format)

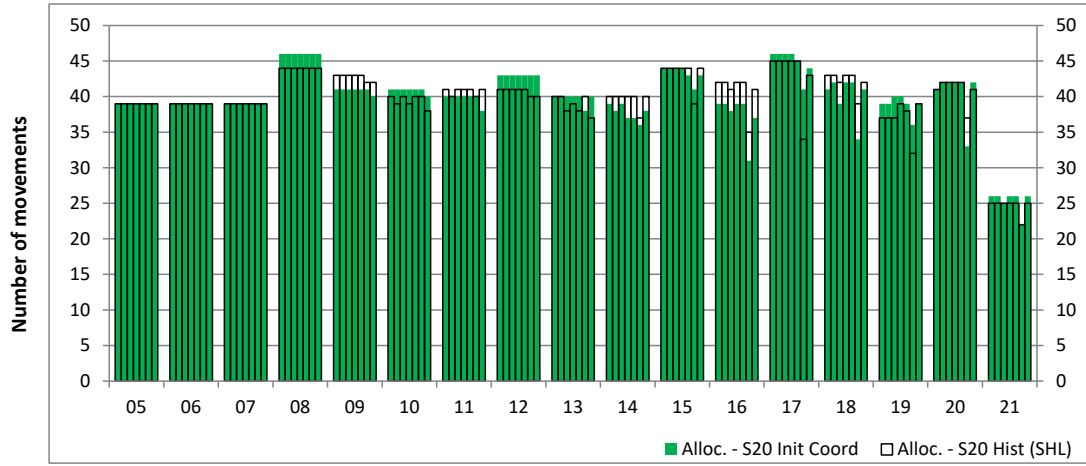
Peak Week - Runway Allocation Comparison



Comparison of S20 Init Coord vs. S20 Hist (SHL)

Hourly Arrival Allocation

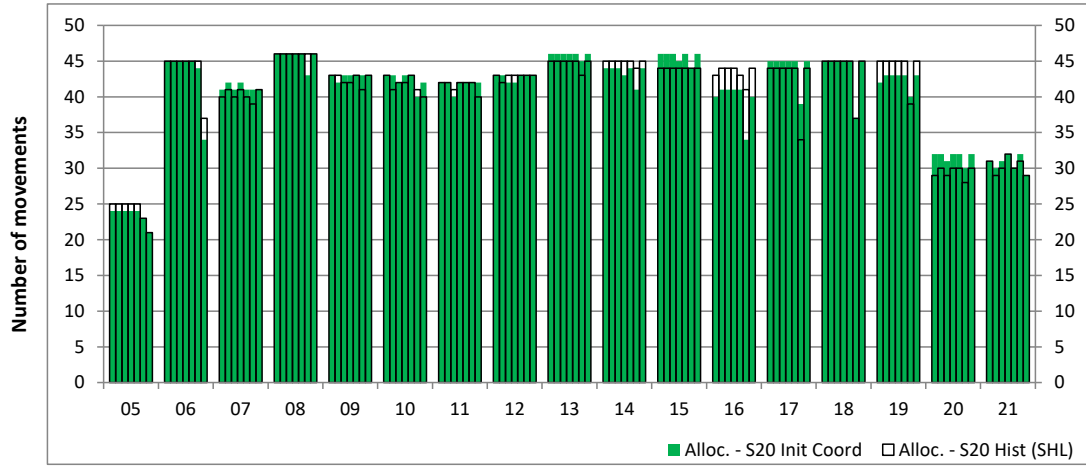
Time: UTC



Hour of day (24 hour format)

Hourly Departure Allocation

Time: UTC



Hour of day (24 hour format)

Peak Week - Passengers Histogram

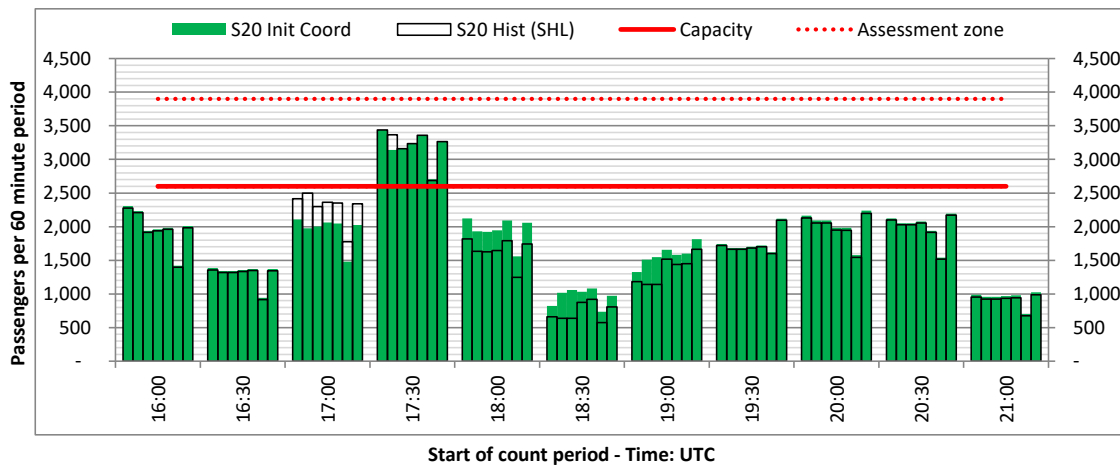
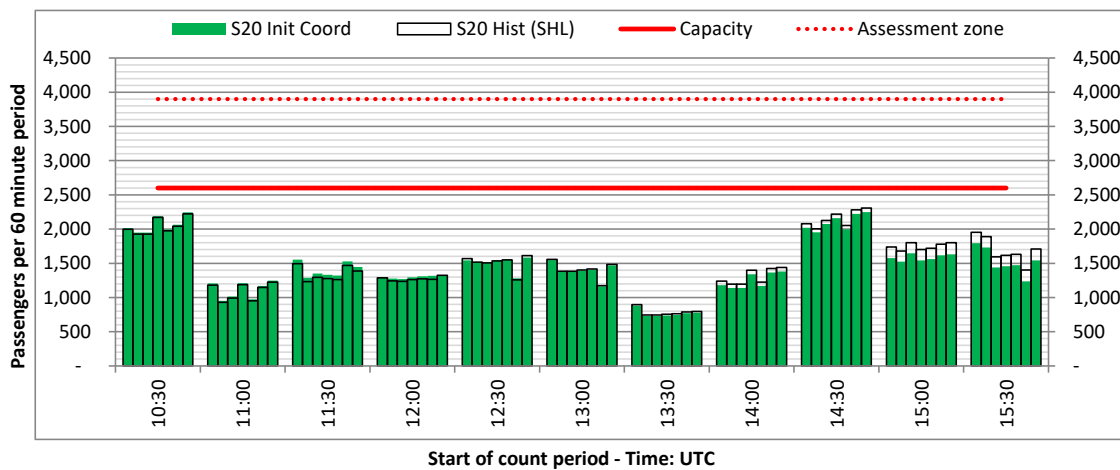
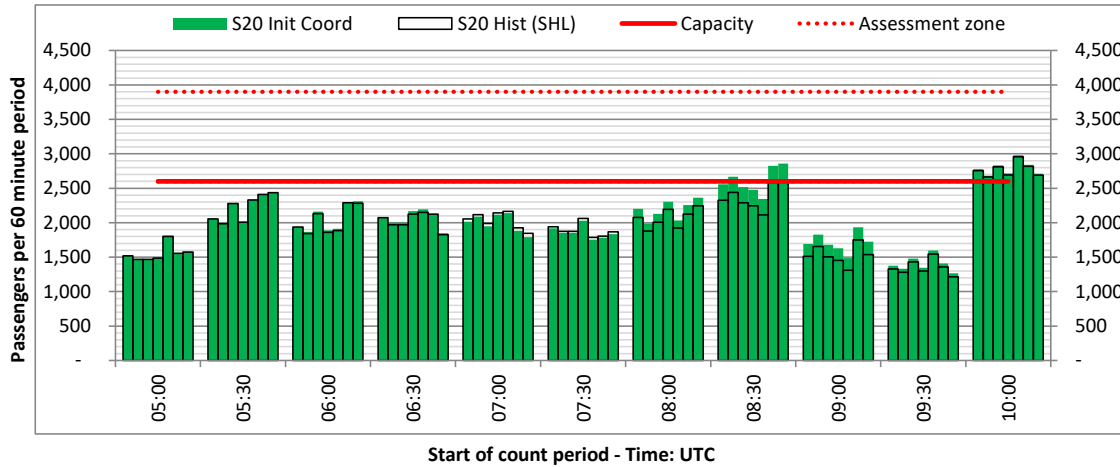
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 2I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

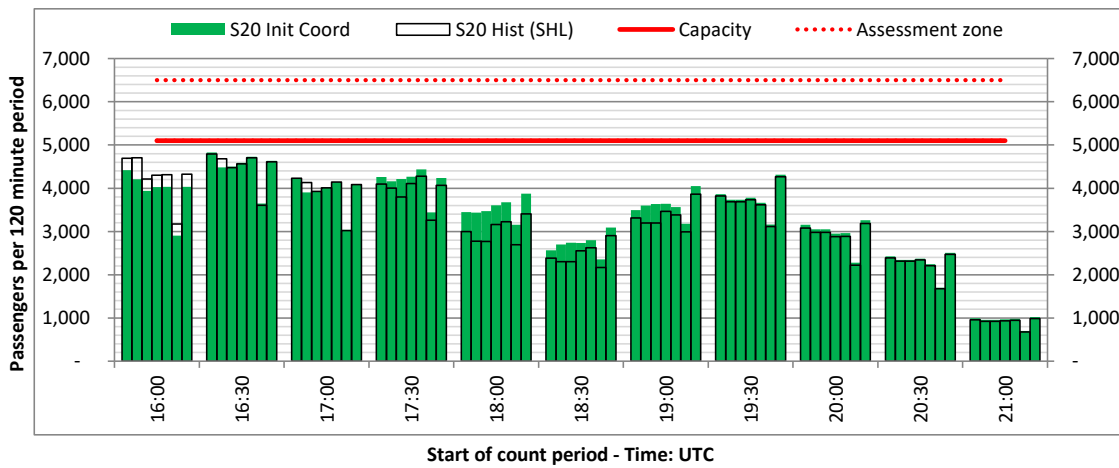
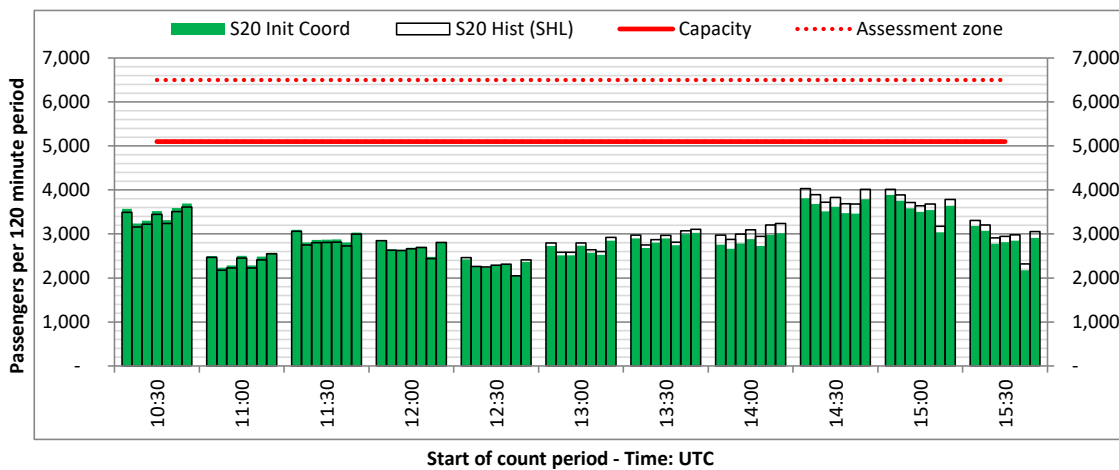
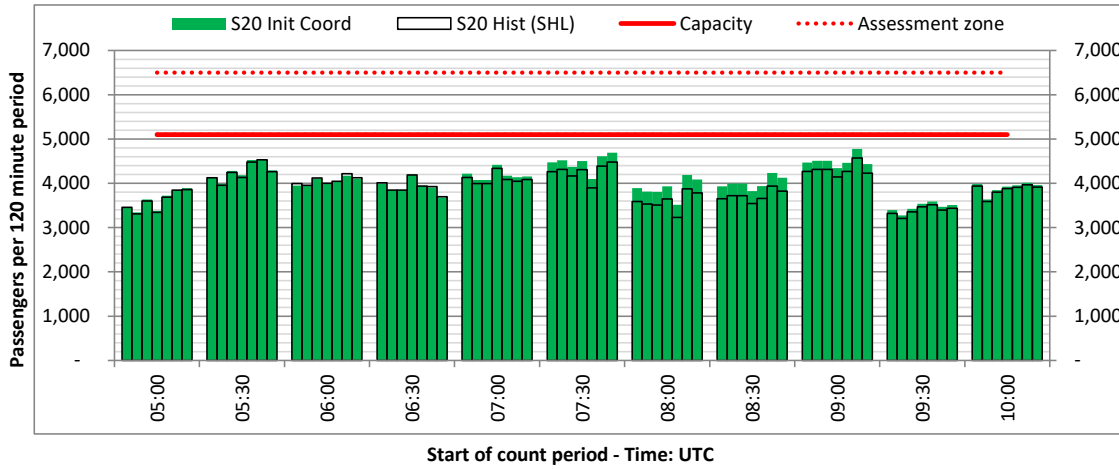
ARRIVAL - 120 minute count rolling every 30 mins (T2H/30)



Terminals: 2I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

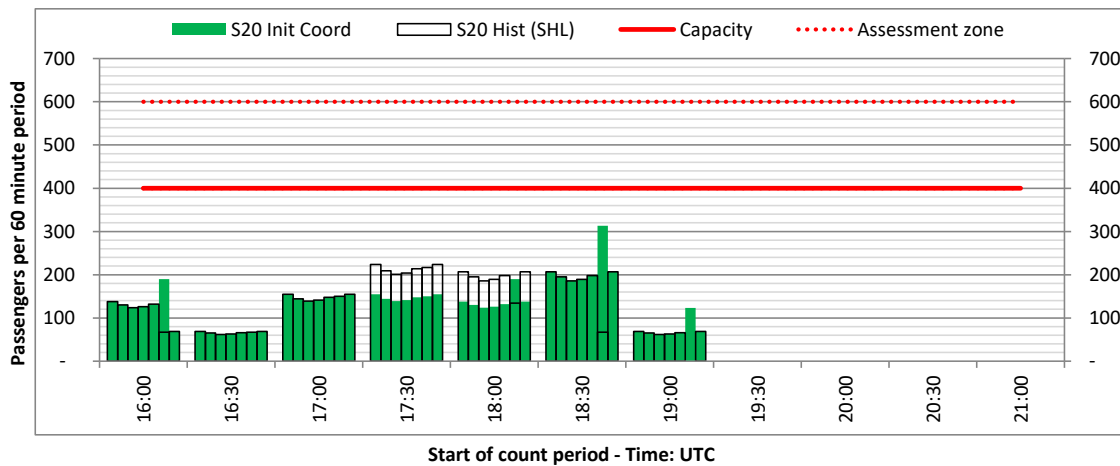
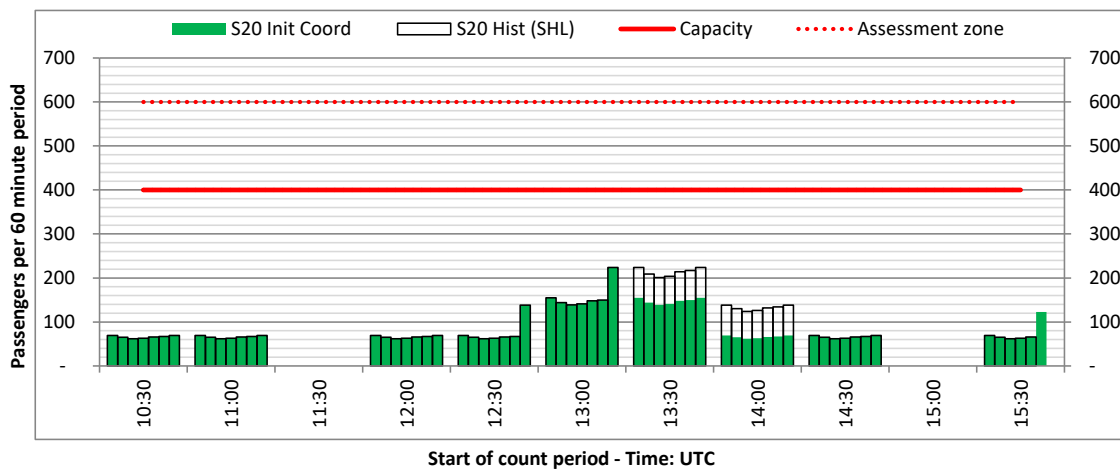
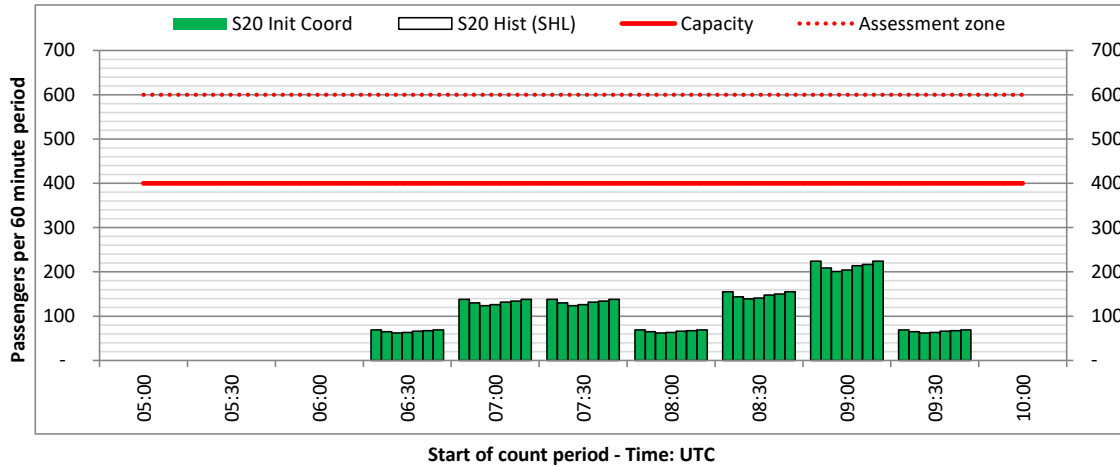
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 2D

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

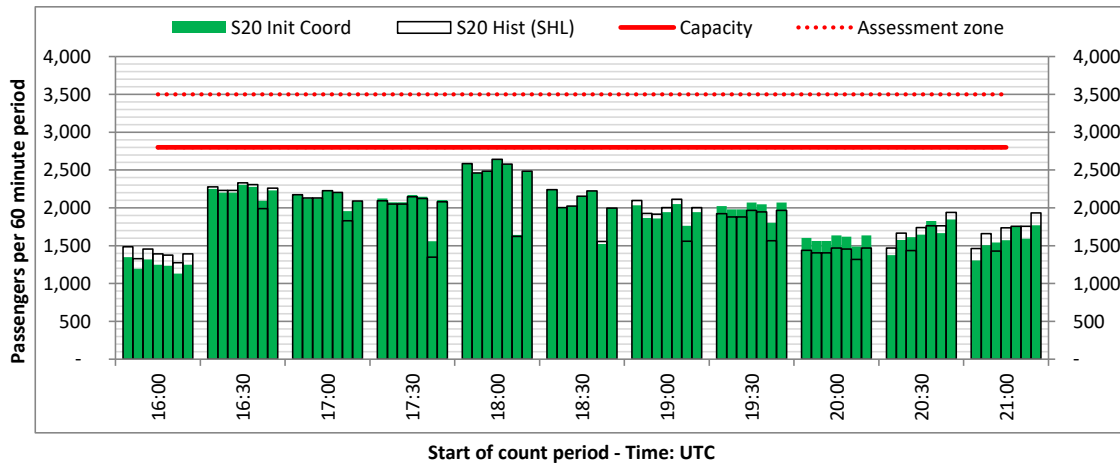
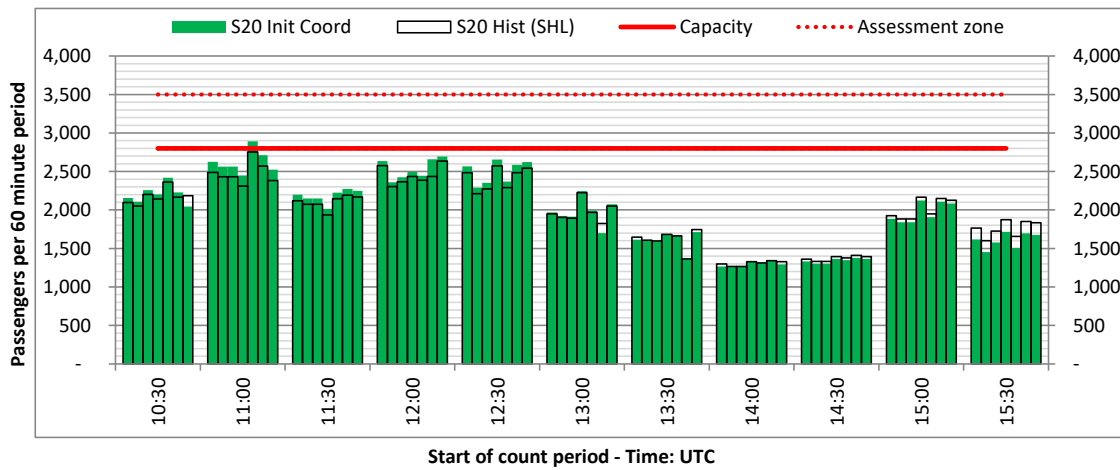
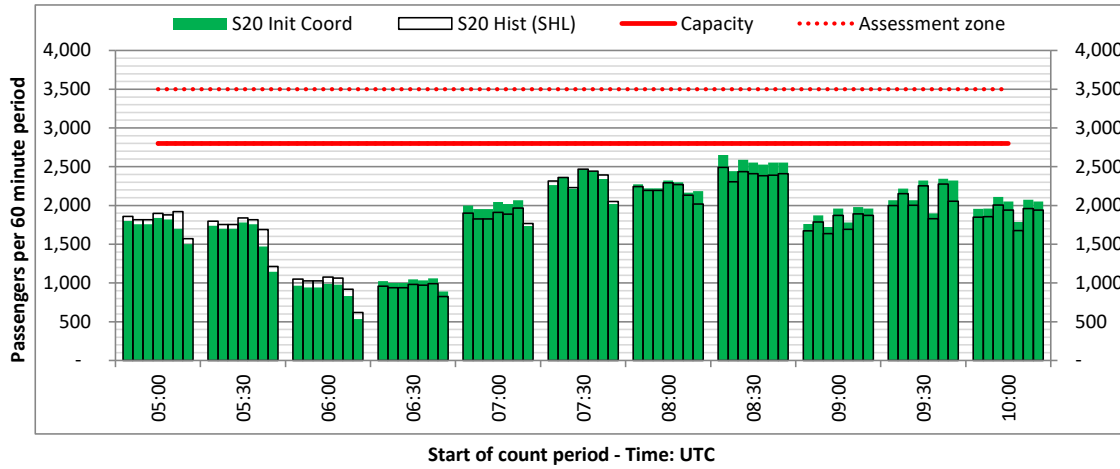
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 2D 2I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

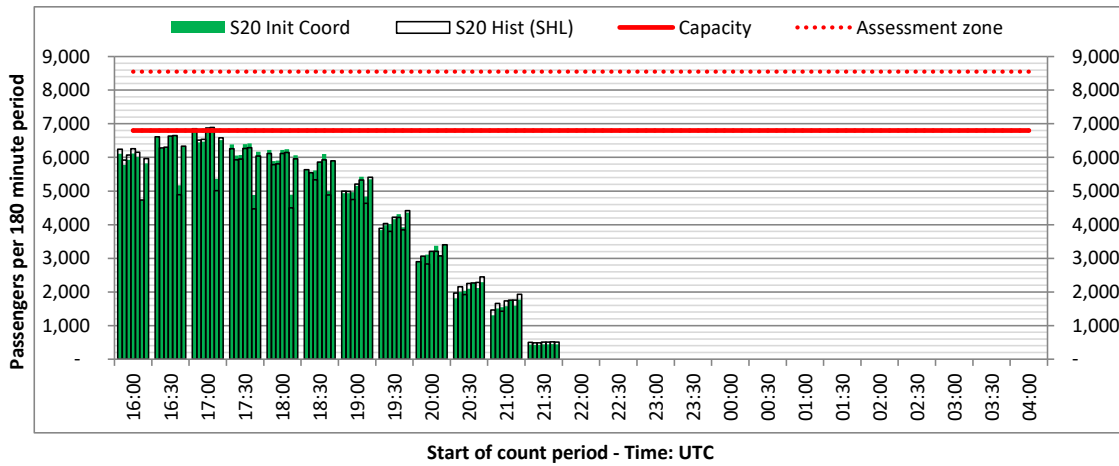
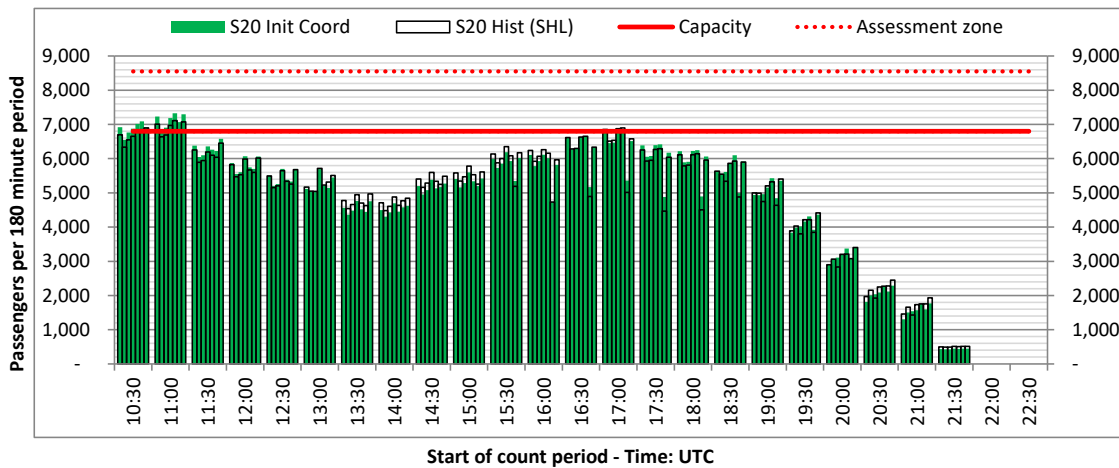
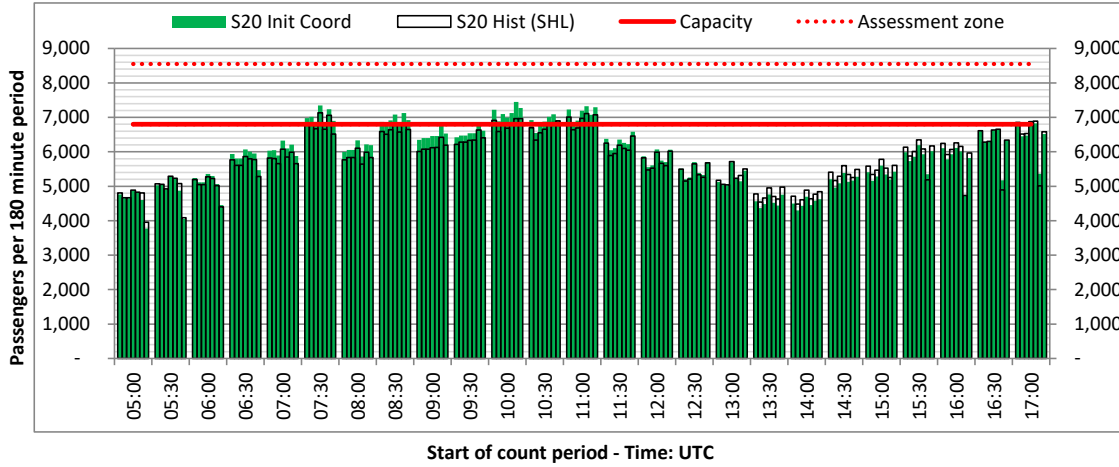
DEPARTURE - 180 minute count rolling every 30 mins (T3H/30)



Terminals: 2D 2I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

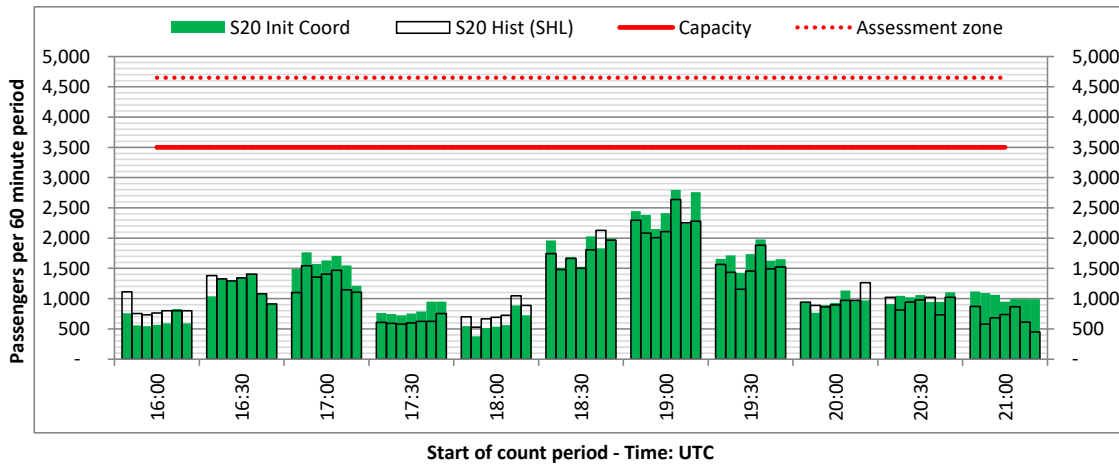
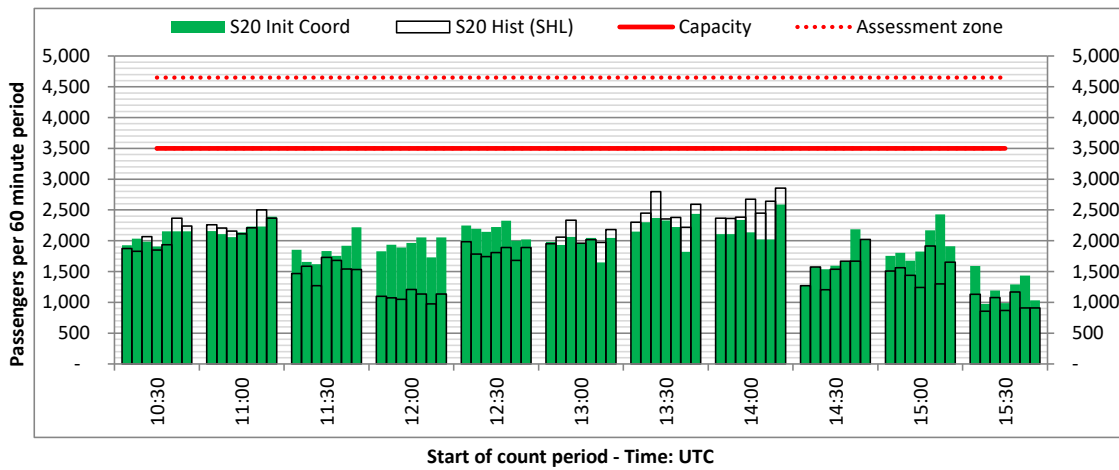
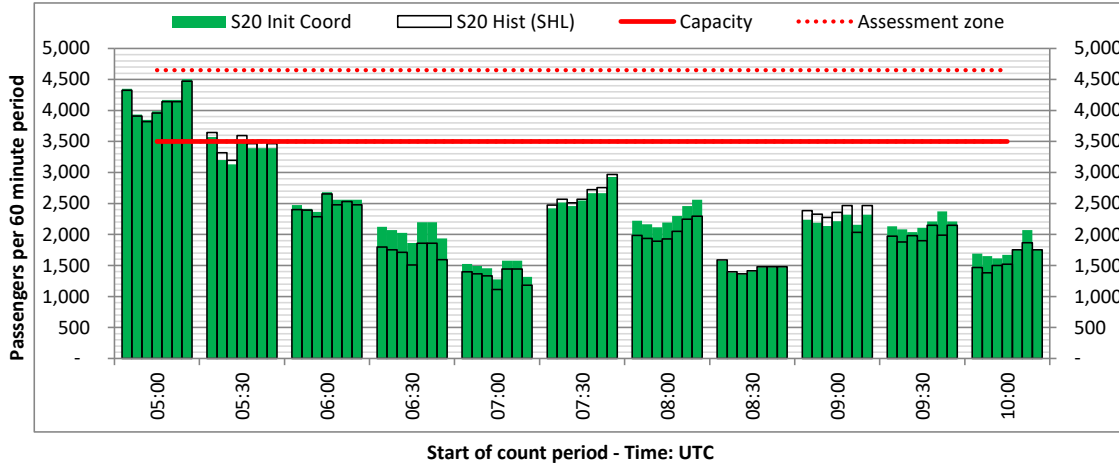
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 3I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

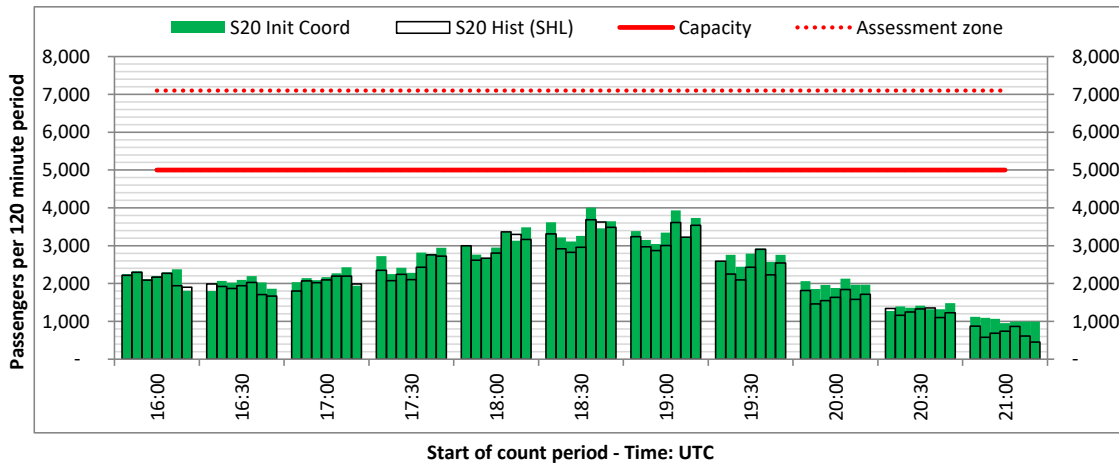
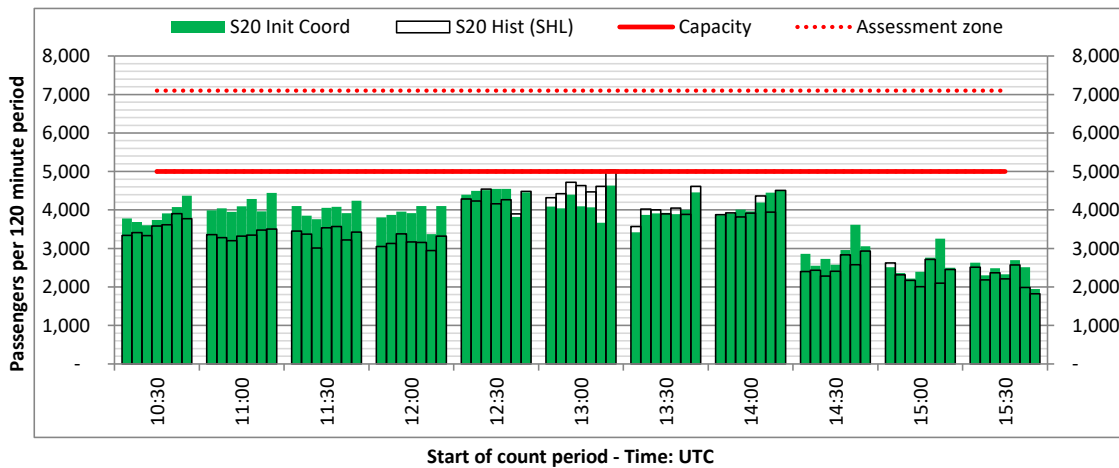
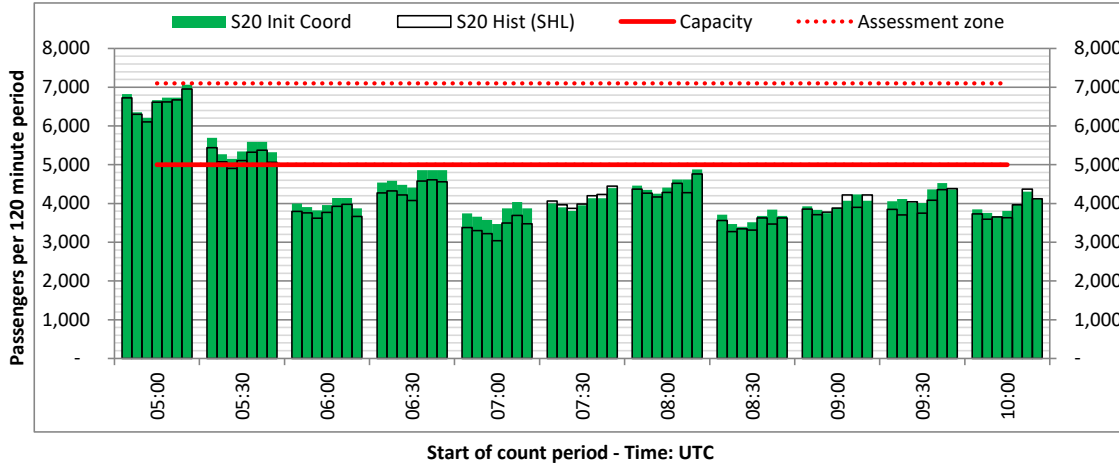
ARRIVAL - 120 minute count rolling every 30 mins (T2H/30)



Terminals: 3I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

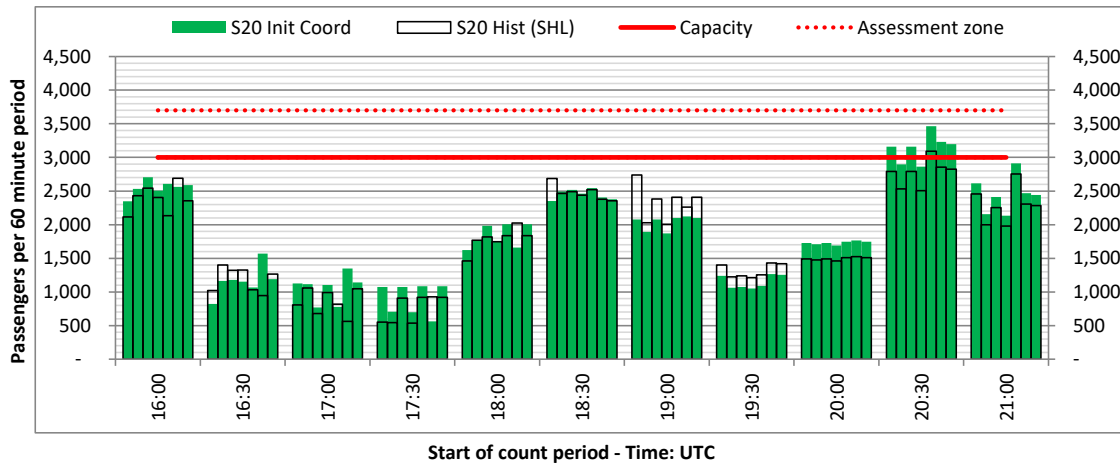
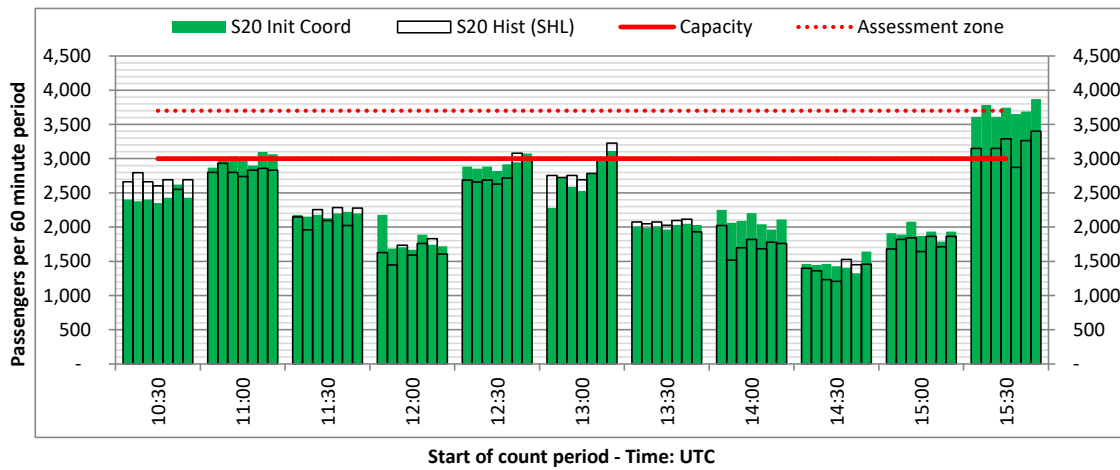
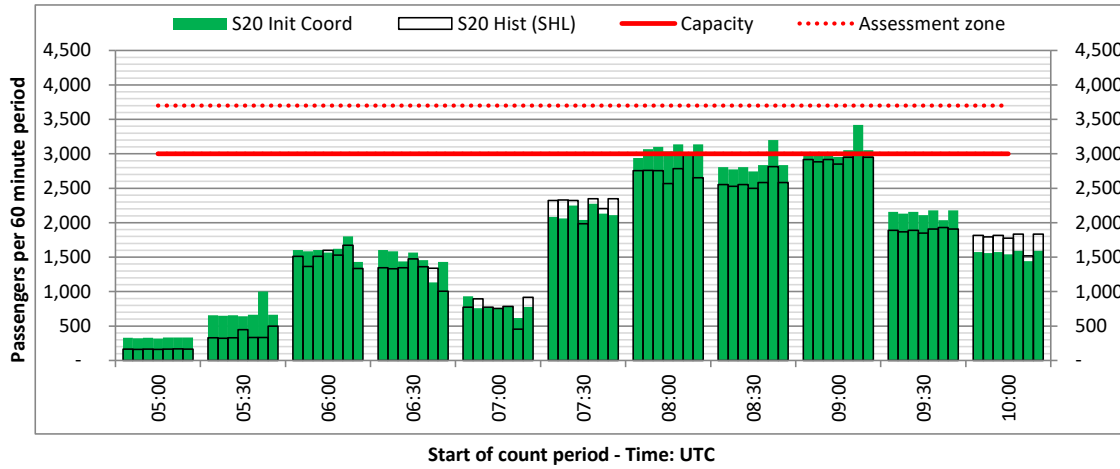
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 31

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

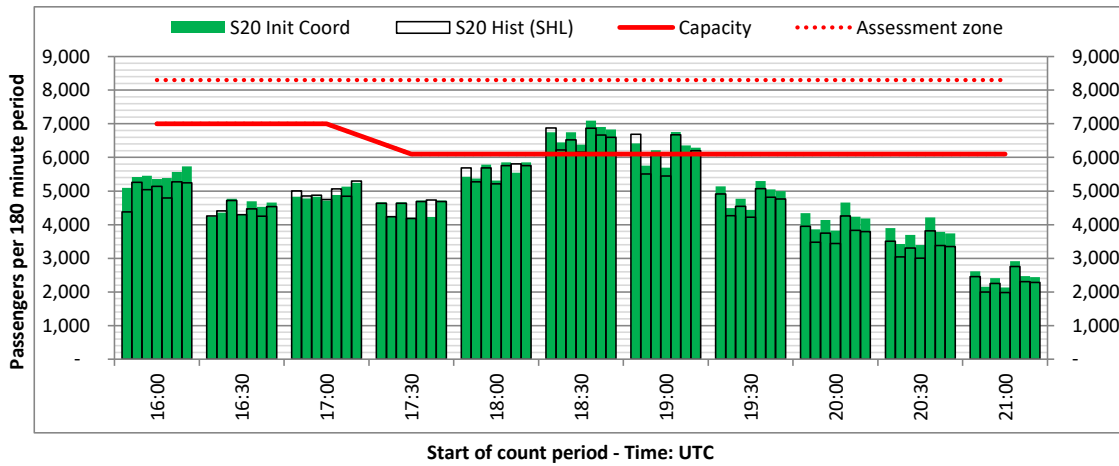
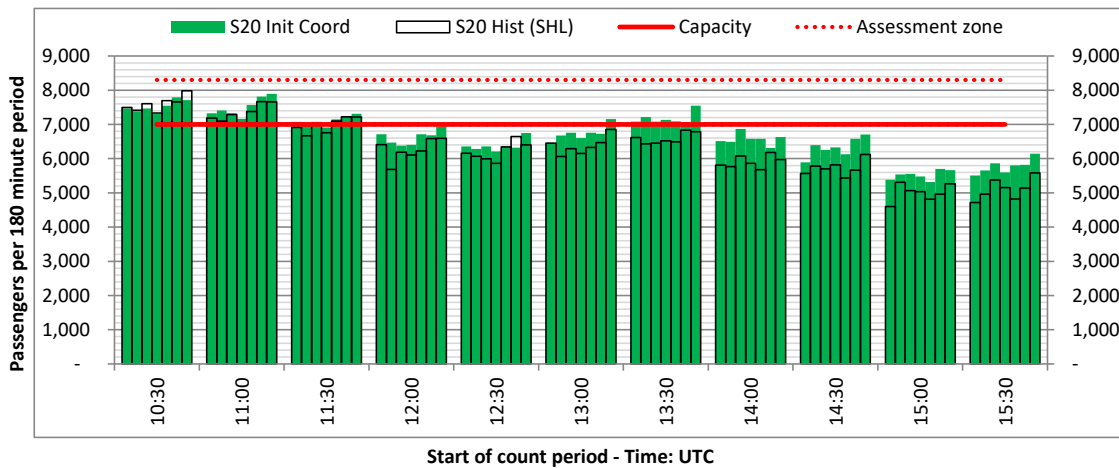
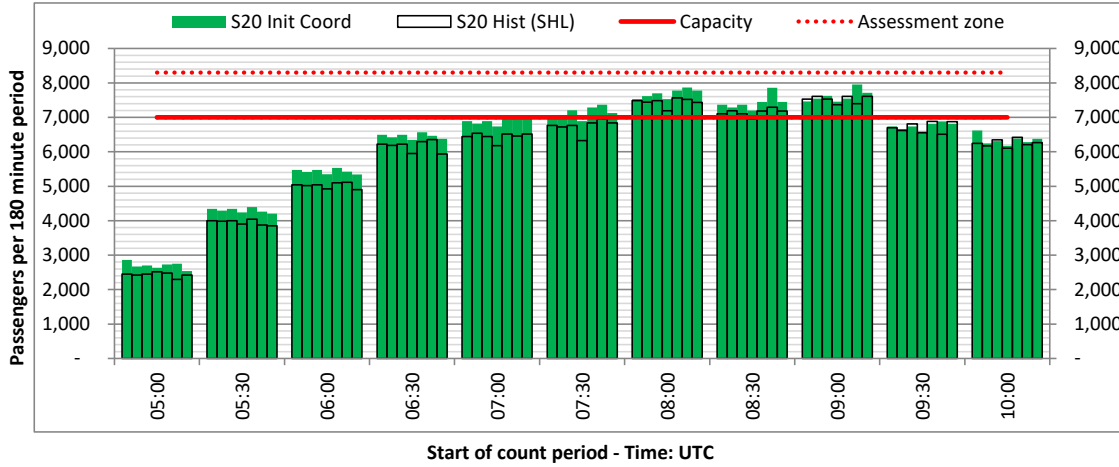
DEPARTURE - 180 minute count rolling every 30 mins (T3H/30)



Terminals: 3I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

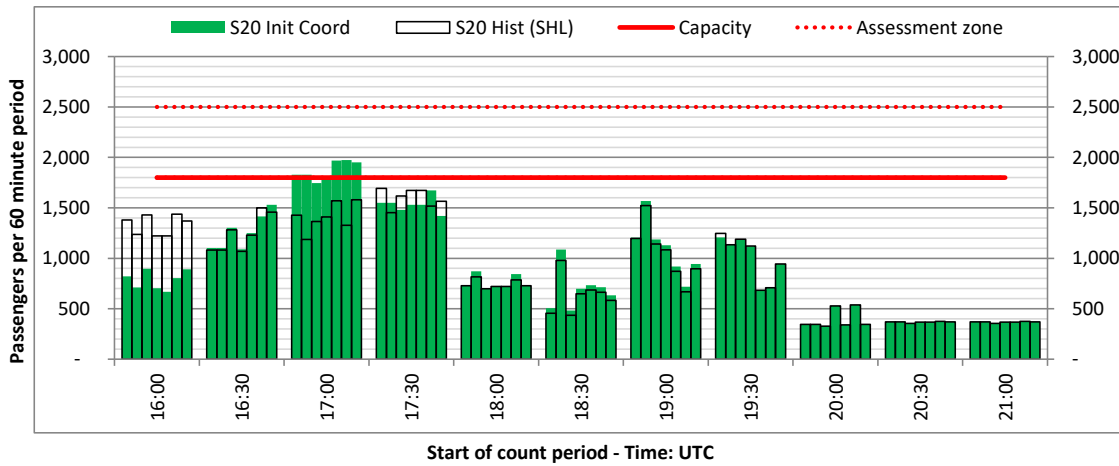
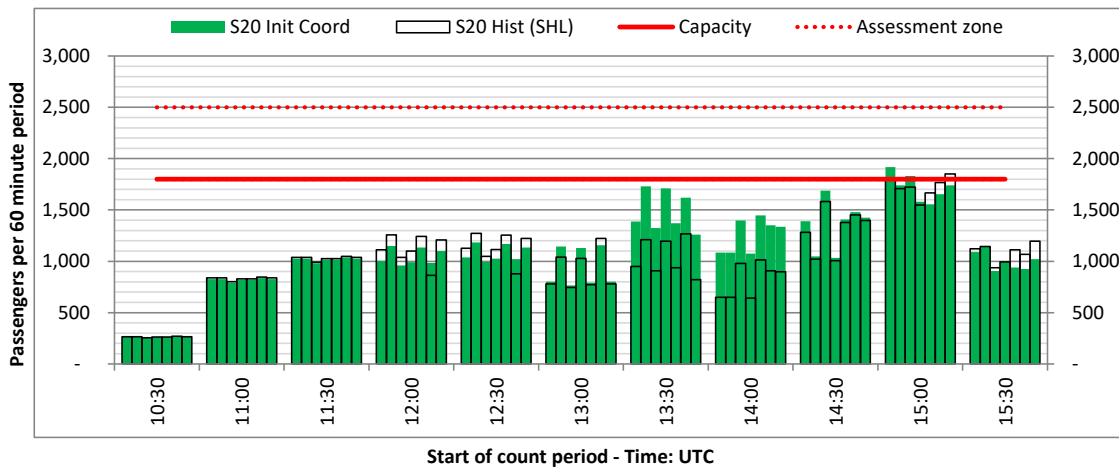
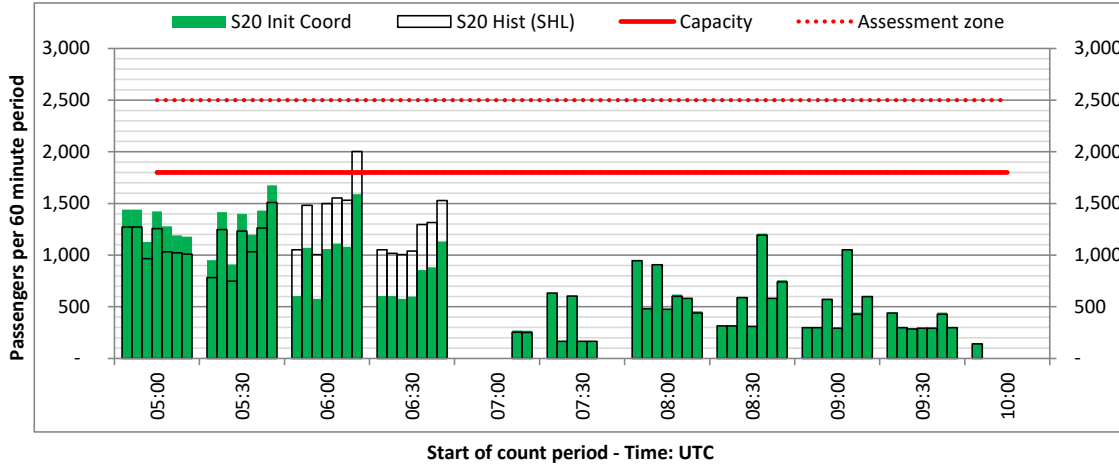
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 4I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

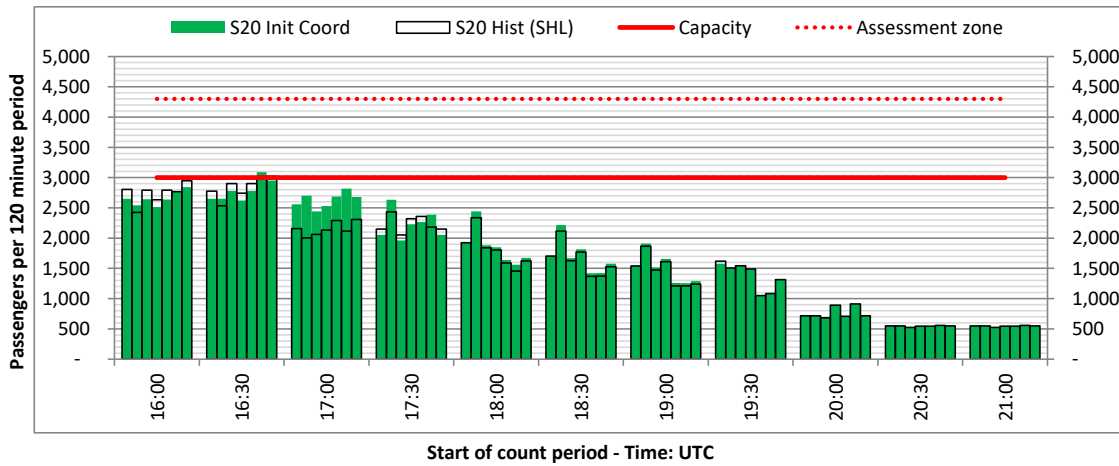
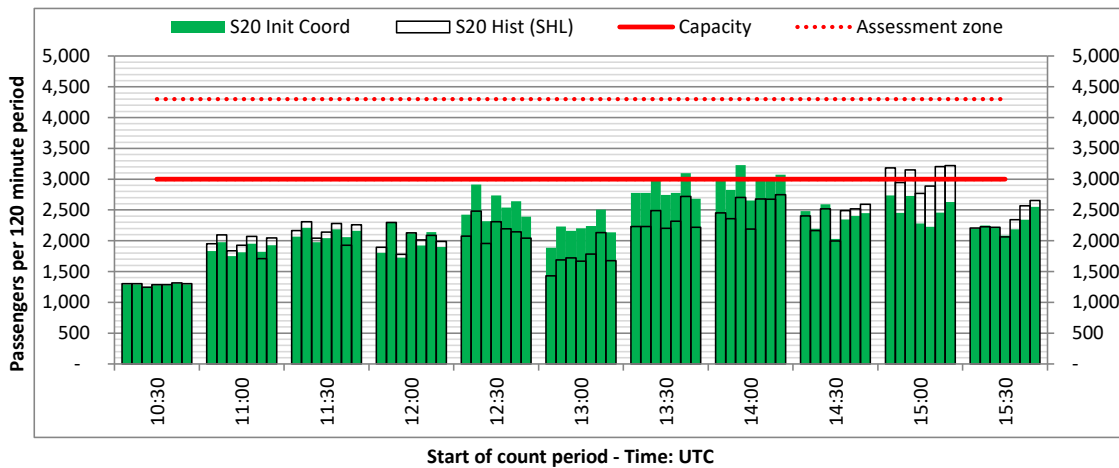
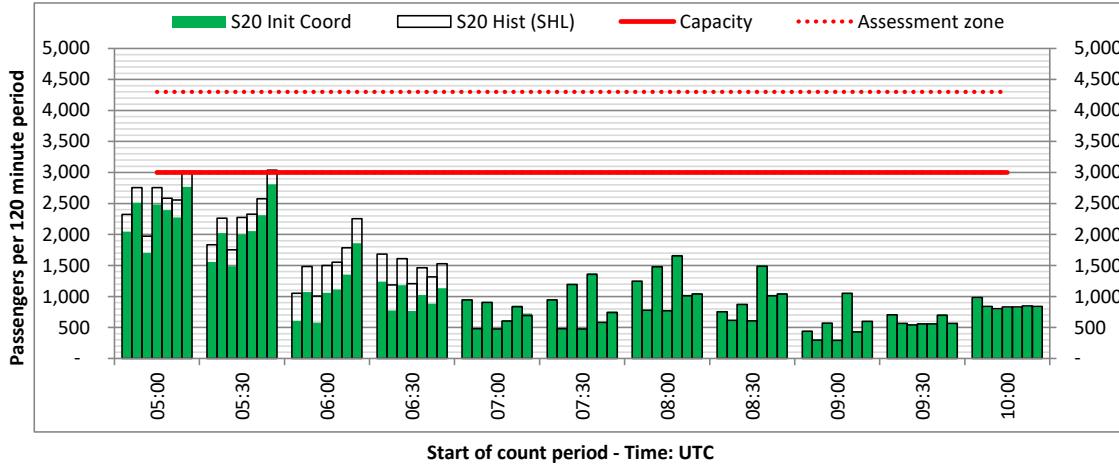
ARRIVAL - 120 minute count rolling every 30 mins (T2H/30)



Terminals: 4I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

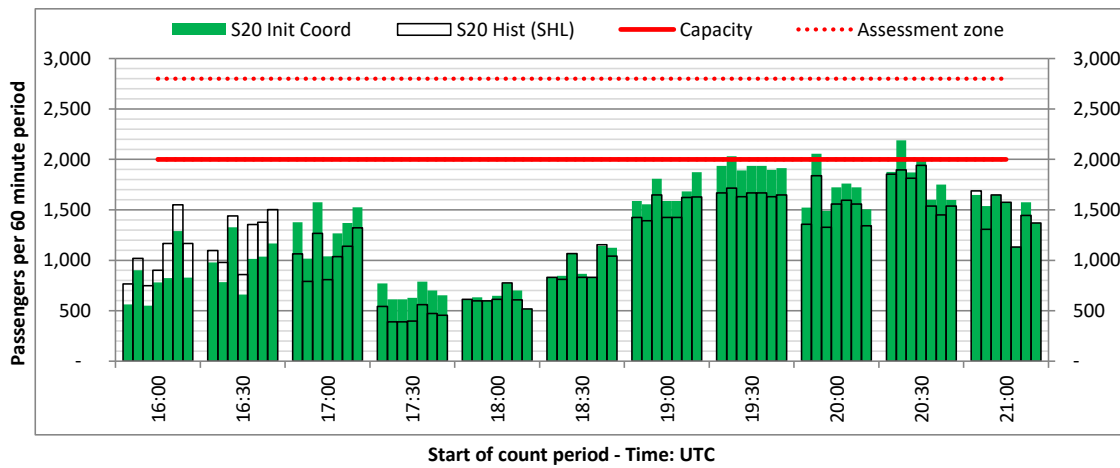
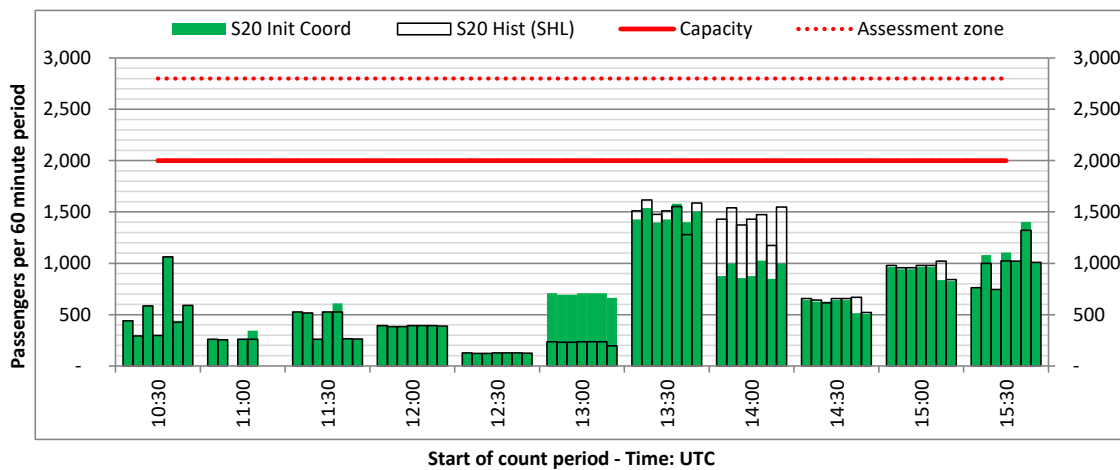
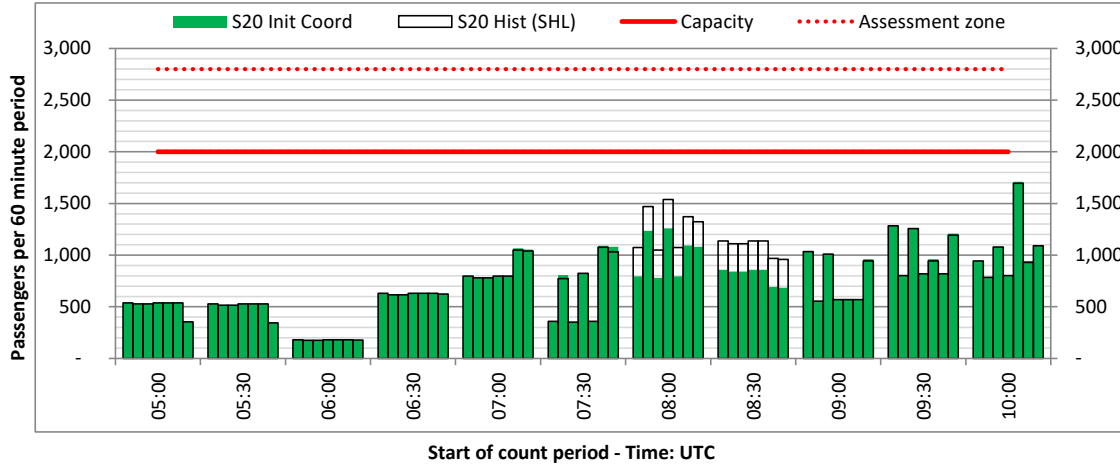
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 4I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

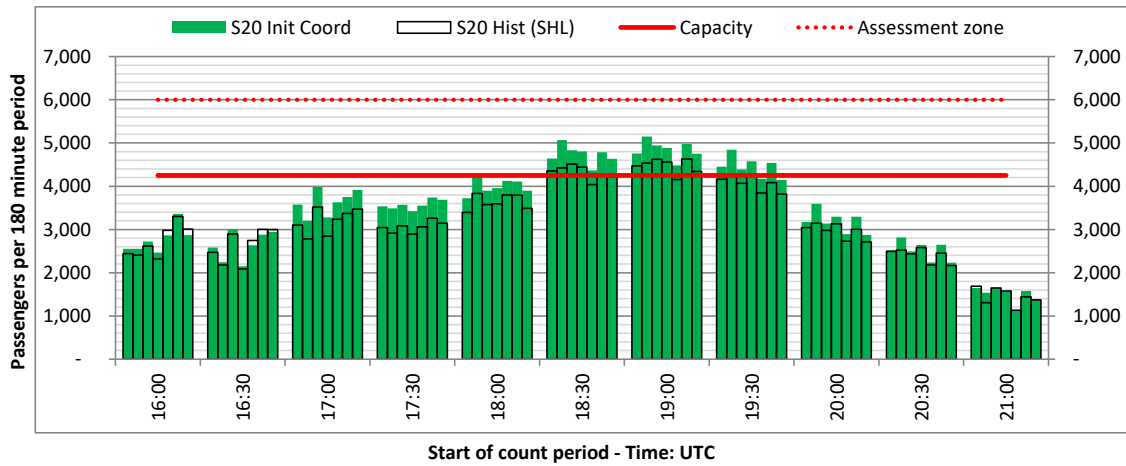
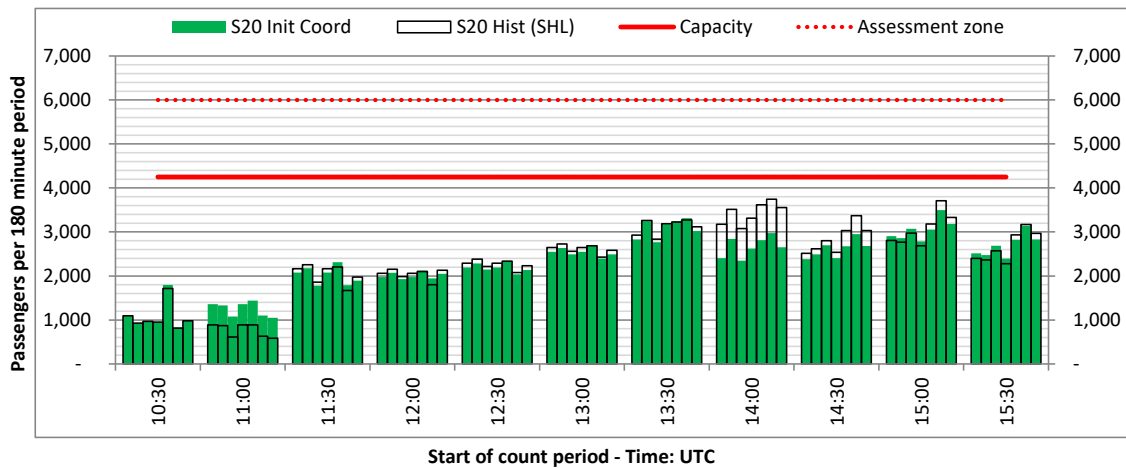
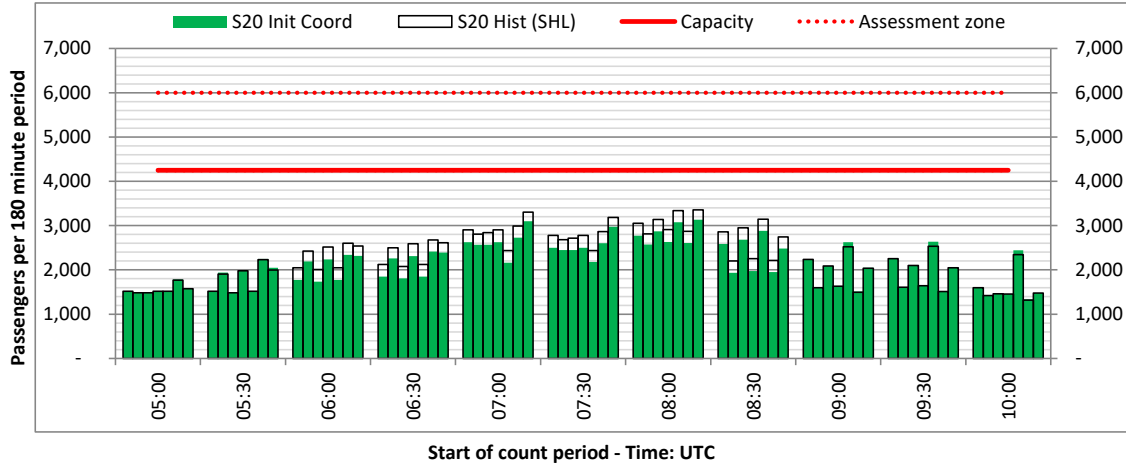
DEPARTURE - 180 minute count rolling every 30 mins (T180/30)



Terminals: 4I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

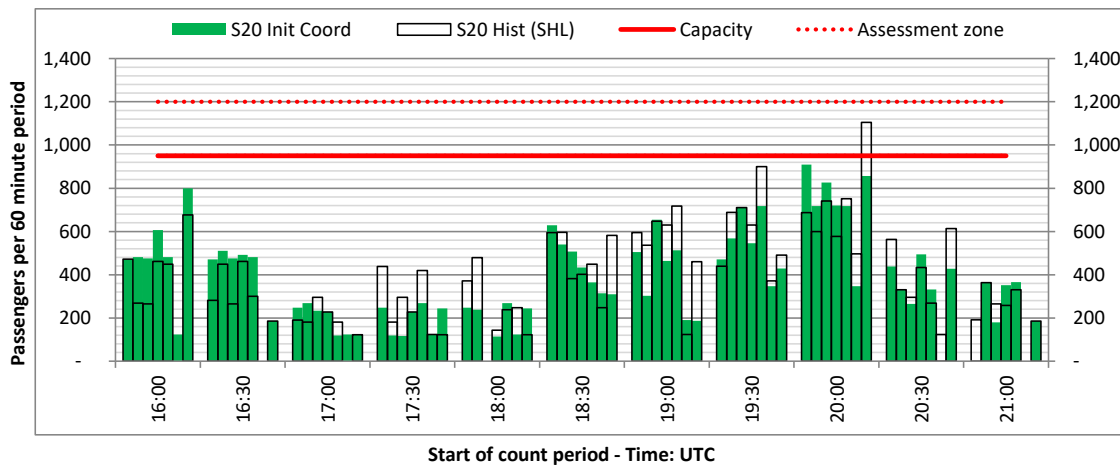
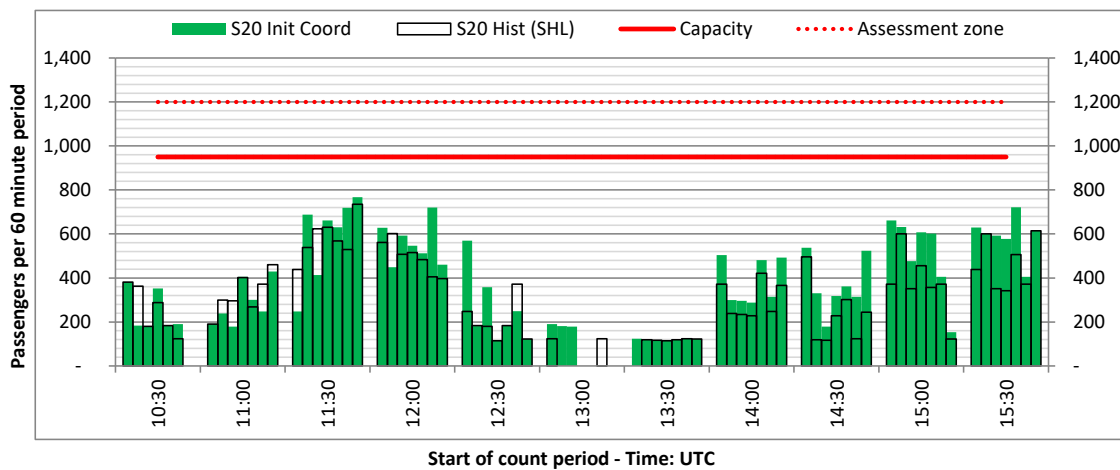
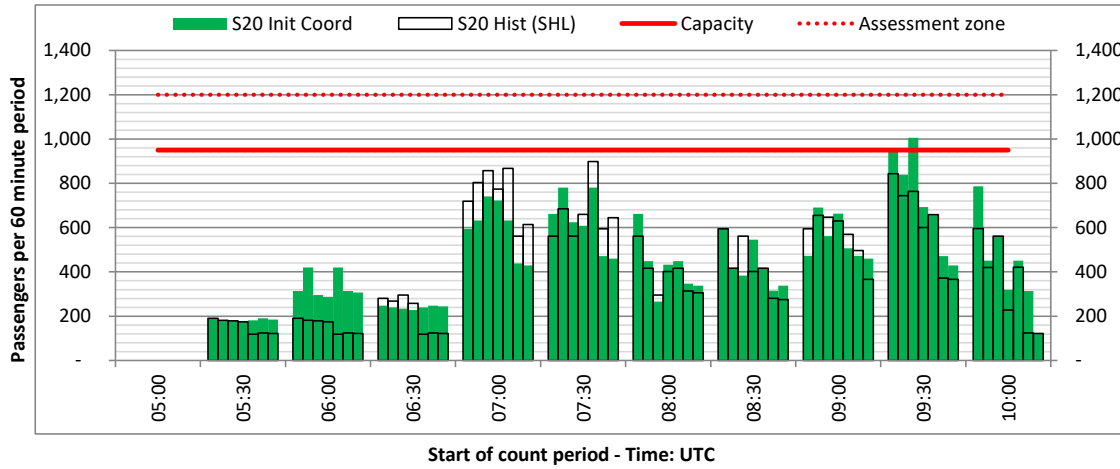
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 5D

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

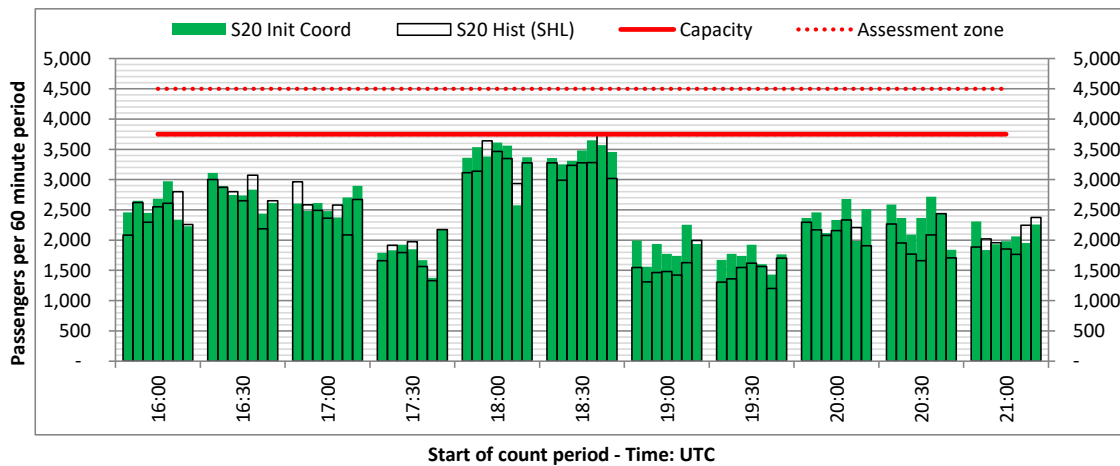
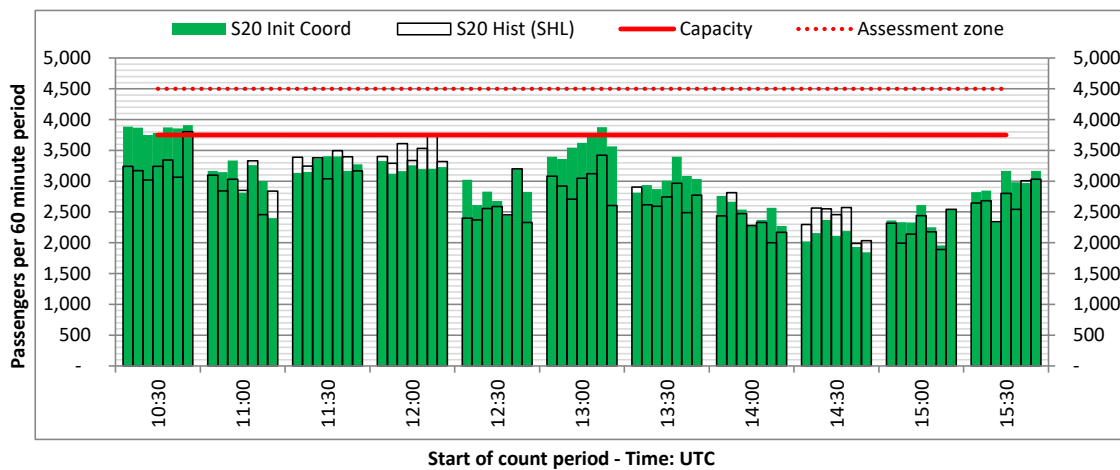
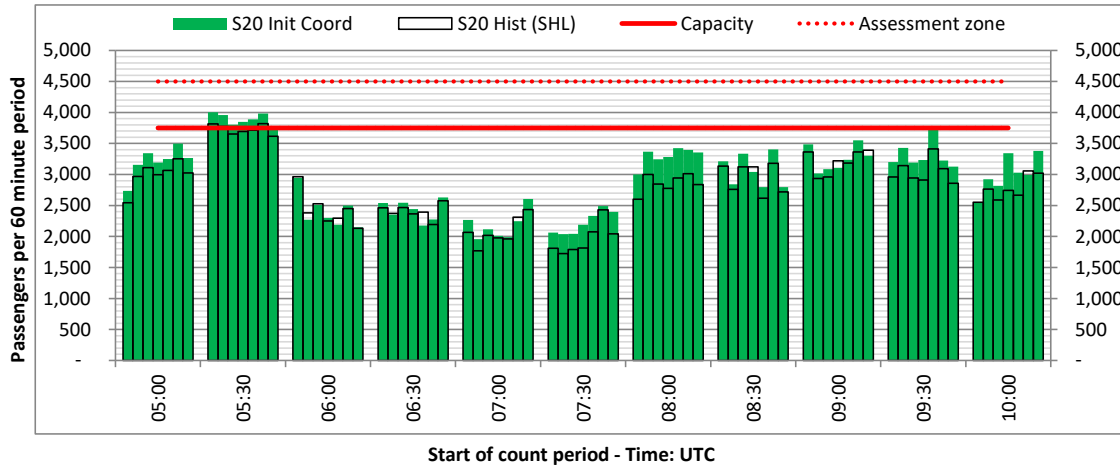
ARRIVAL - 60 minute count rolling every 30 mins (T60/30)



Terminals: 5I

Operators: All Operators

Days: 1234567



Peak Week - Passengers Histogram

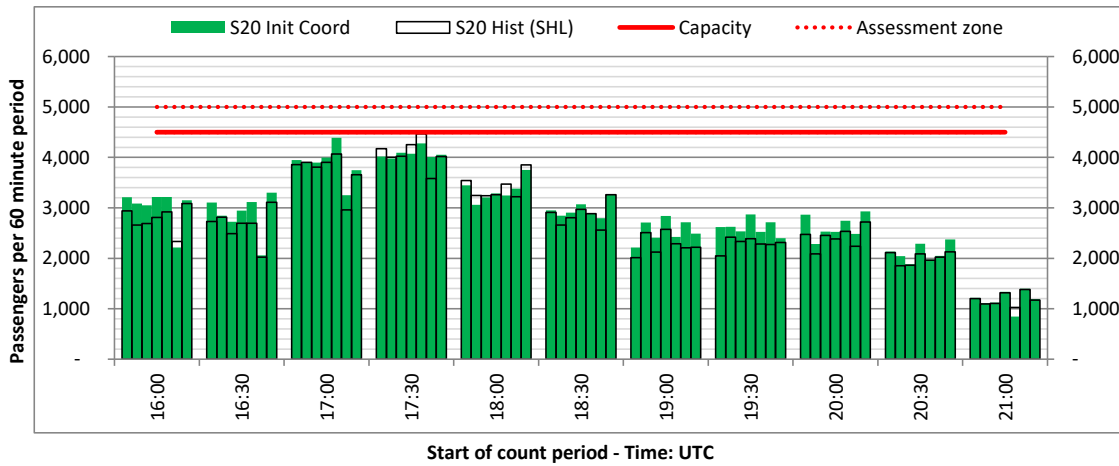
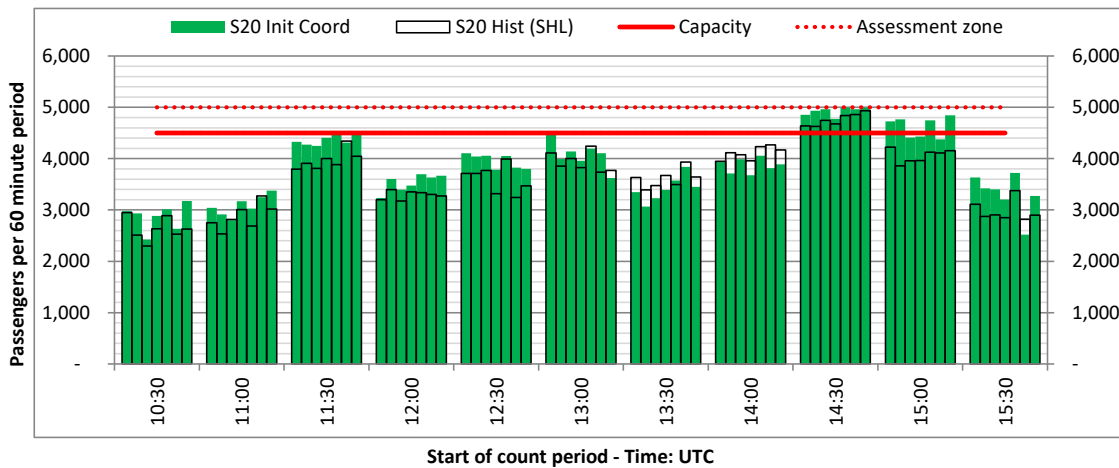
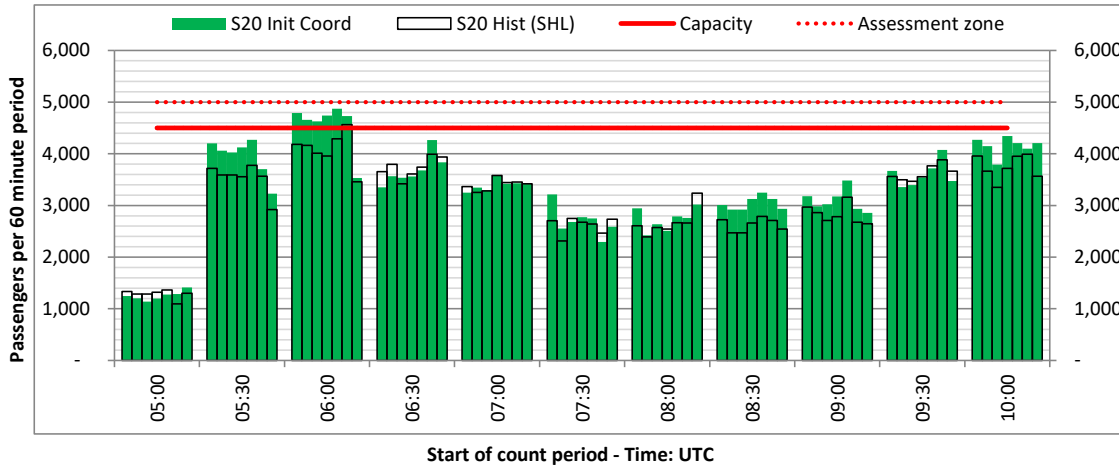
DEPARTURE - 60 minute count rolling every 30 mins (T60/30)



Terminals: 5I 5D

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

S19 Init Coord	S19 schedule as cleared on Mon 05-Nov-18.
S20 Hist (SHL)	S20 schedule as cleared on Fri 06-Sep-19.
S20 Init Coord	S20 schedule as cleared on Wed 30-Oct-19.

Peak Week	Peak week for S19 is Mon 09-Sep-19 to Sun 15-Sep-19. Peak week for S20 is Mon 07-Sep-20 to Sun 13-Sep-20.
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For ACL use

	Airport-Season-Branch-Resource	From date	To date	Time
Full Season Rep 1	LHR-S19-Initial Coord Report-Standard	Sun 31-Mar-2019	Sat 26-Oct-2019	UTC
Full Season Rep 2	LHR-S20-SHL-Standard	Sun 29-Mar-2020	Sat 24-Oct-2020	UTC
Full Season Rep 3	LHR-S20-Initial Coord Report-Standard	Sun 29-Mar-2020	Sat 24-Oct-2020	UTC

	Airport-Season-Branch-Resource	From date	To date	Time
Peak Week Rep 1	LHR-S19-Initial Coord Report-Standard	Mon 09-Sep-2019	Sun 15-Sep-2019	UTC
Peak Week Rep 2	LHR-S20-SHL-Standard	Mon 07-Sep-2020	Sun 13-Sep-2020	UTC
Peak Week Rep 3	LHR-S20-Initial Coord Report-Standard	Mon 07-Sep-2020	Sun 13-Sep-2020	UTC