CAA Aviation Trends
Quarter 3 2024
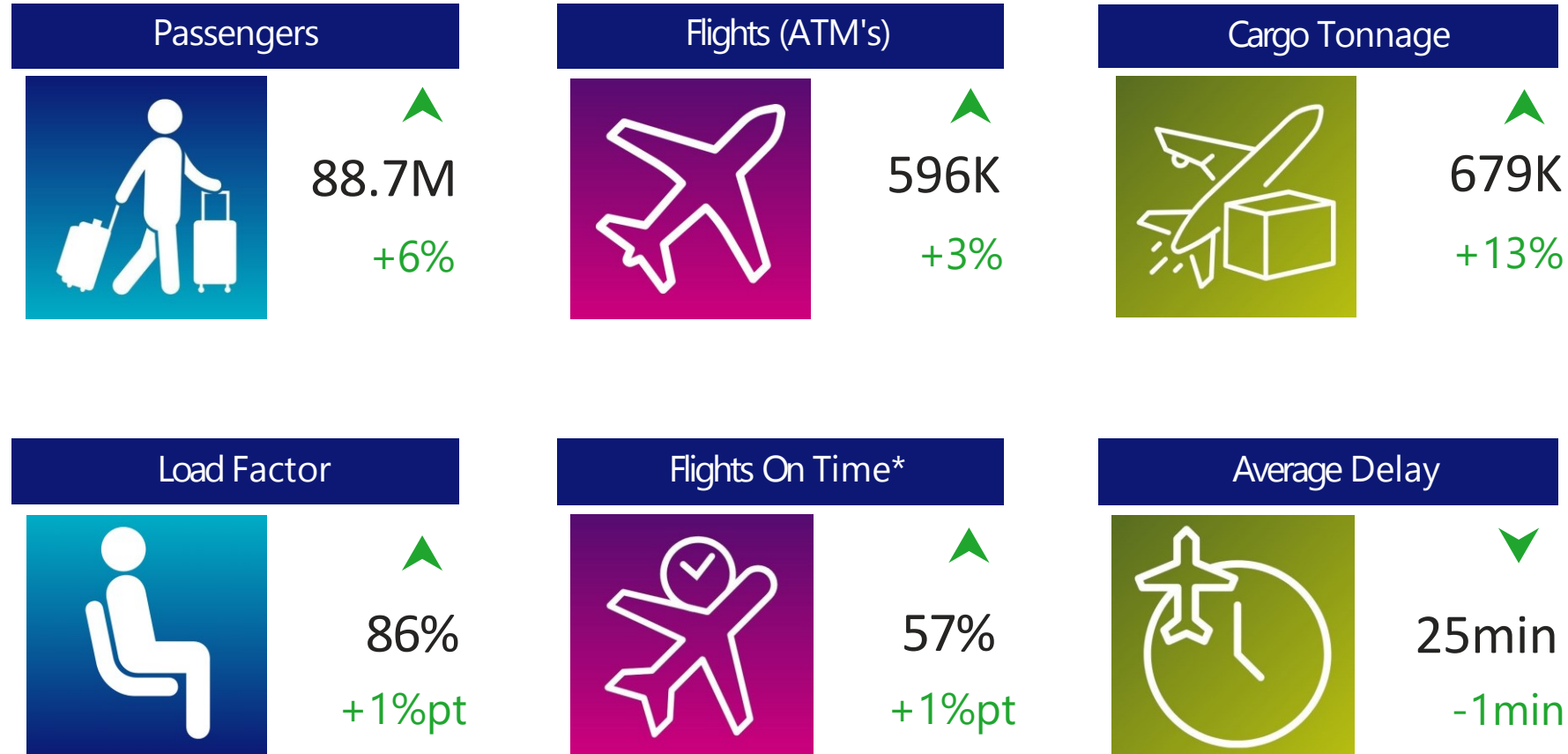
Latest Quarter

Key Performance Indicators (KPIs)

Terminal Passengers

Air Transport Movements (ATM's)

Cargo Tonnage

Punctuality

10 Year Trends

Trend since 1990 (30+ years)

Data Tables (Latest Quarter)

A

Report Notes

1. Welcome to the CAA's *Aviation Trends* report. Every quarter we update key metrics which summarise "commercial" aviation activity at the United Kingdom's airports. Please note that the figures may be subject to minor changes in future due to on-going adjustment, revision and updates - historic reports will not be reissued.

2. The data in this report is compiled by the CAA with the co-operation of UK airport and airline operators. Their assistance is gratefully acknowledged. More detailed data and information regarding the source(s) are available on the CAA's website: https://www.caa.co.uk/data-and-analysis/uk-aviation-market/

3. Since the information contained in this report has been acquired from multiple sources, it is not possible for the CAA to check and verify whether it is accurate and correct nor do we undertake to do so. Consequently the CAA cannot accept any liability caused by any person's reliance on it.

4. For the purposes of this report the Channel Islands - Jersey, Guernsey, Alderney - and the Isle of Man are considered domestic aviation and their data is included, despite not formally being part of the United Kingdom.

5. Terminal Passengers
   a. Terminal passenger are travellers who board or disembark a commercial flight at a UK reporting airport. Note: domestic passengers are effectively counted twice (on boarding at one UK airport and disembarking at another) and therefore the figures displayed will not reflect the number of "onboard" passengers in the UK aviation market.
   b. Load Factor is calculated by dividing the number of passengers on a flight by the total number of seats expressed as a percentage - i.e. reflecting the seat occupancy on flights.

6. Air Transport Movements (ATMs)
   c. Similar to Terminal Passengers (above), an ATM between two UK airports - i.e. a domestic flight - will be counted twice, once on departure and on arrival at the destination airport.
   d. Data excludes Air Taxi flights: this is charter air transport movements performed by aircraft with a Maximum Take Off Weight (MTOW) of below 15 tonnes.

7. Cargo Tonnage data represents freight and mail which is transported into and out of the UK on air freighters and in the belly hold of passenger aircraft. Any cargo transiting the UK is not included in the figures.

8. Punctuality
   e. The CAA collects punctuality information from 25 UK airports - these are typically the largest airports in terms of movements/passengers. For the full list please visit the link below
   f. In the punctuality data, 'delay' is recorded as the difference between an aircraft's scheduled arrival or departure time and the actual time it reaches or departs the airport gate (pre 2018 'delay' was measured as the difference between the scheduled time and a calculated time that the aircraft reached/departed the gate by taking the time the aircraft arrived at the runway and a fixed taxi time to/from the gate (see the link below for more information).
   g. In 2018 the CAA began formally collecting flight cancellation information from airport suppliers. Before this data was supplied to the CAA on a voluntary basis. For more information on what formally constitutes a cancellation in the CAA data, please visit the link below.
   h. A flight is deemed to be "on-time" if it arrives or departs from the airport gate within 15 minutes of its scheduled time. The figures displayed in this report are an aggregation of UK arrival and departure punctuality.
   i. Since the CAA only collects information from UK airports, this report contains no information about overseas punctuality. This is pertinent particularly for flights departing the UK where time may be gained (or lost) en-route and therefore the total delay experienced by passengers may vary to that published.
   j. Average delay minutes are calculated from the total minutes of delay recorded by all flights (with early flights counted as zero minutes delay) divided by the total number of flights operated.
   k. More details regarding CAA punctuality statistics can be found here: https://www.caa.co.uk/data-and-analysis/uk-aviation-market/flight-punctuality/uk-flight-punctuality-statistics/

9. As some of the trends in this report are long term (30+ years), not all airports consistently reported to the CAA over this period - particularly regarding punctuality dataset. Therefore these figures should be used as a guide of national performance and not necessarily the precise results.

B

Key performance indicators - Q3 2024 (vs 2023)

Passengers	Flights (ATM's)	Cargo Tonnage
▲ 88.7M +6%	▲ 596K +3%	▲ 679K +13%

Load Factor	Flights On Time*	Average Delay
▲ 86% +1%pt	▲ 57% +1%pt	▼ 25min -1min

The figures on the left show the number of passengers, air transport movements (ATMs) and cargo volumes for the quarter. The load factor (the percentage of seats occupied on flights) and punctuality metrics are also displayed.

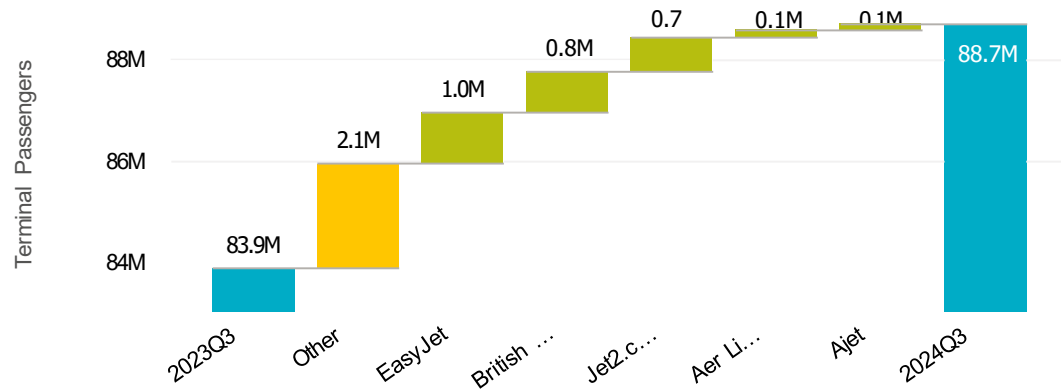The text in green or red show growth rates relative to the same period last year.

* A flight is considered "on time" if it arrives or departs the gate within 15 minutes of the scheduled time.

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Terminal passengers Q3 2024

Year-on-year comparison

UK Civil Aviation Authority

Terminal passengers by airline

Terminal passengers by scheduled & charter services

Terminal passengers by reporting airport
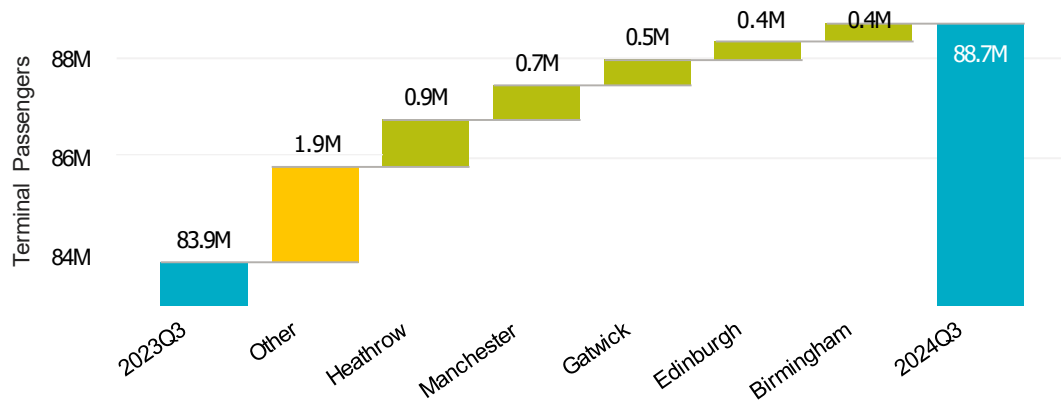
Terminal passengers by market

The number of terminal passengers in Q3 was 88.7M up from 83.9M in the same period last year.
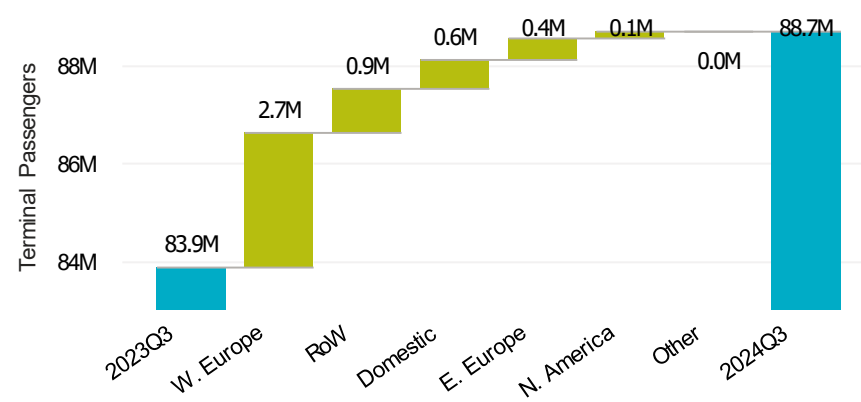
The charts on this page show the distribution of passenger growth across UK airports, airlines, operation type and market. The top 5 contributors are displayed for airports and airlines with the remainder grouped as "Other".

Terminal passengers

5 Year Trend
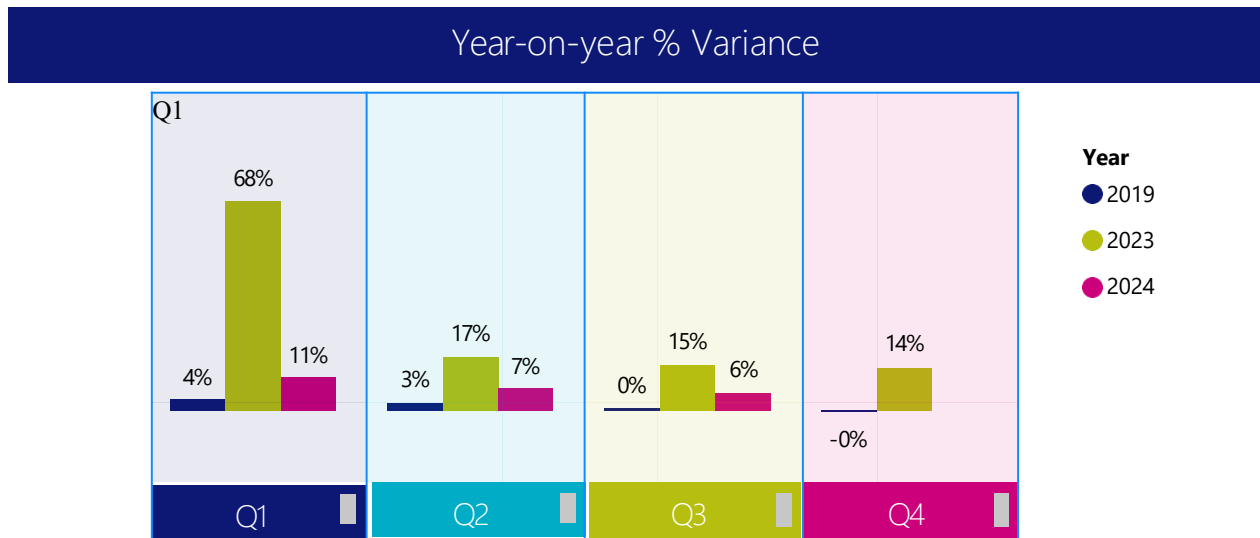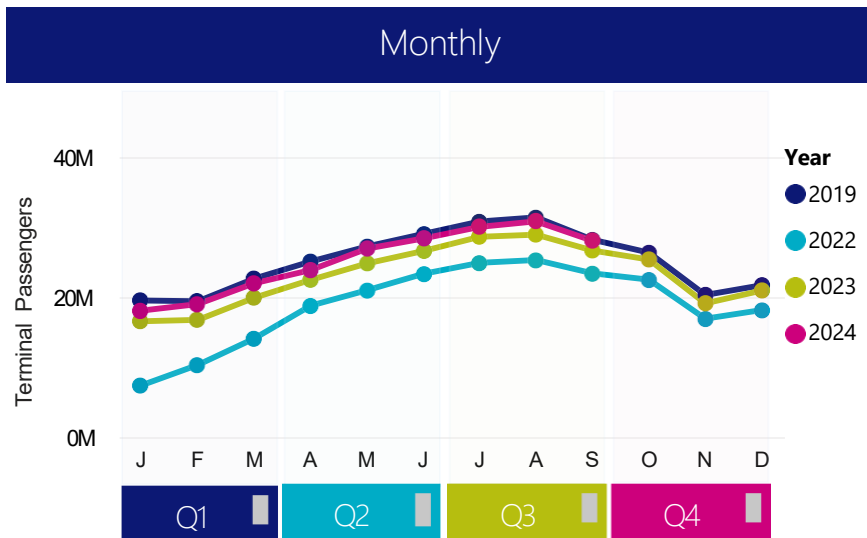
UK Civil Aviation Authority

Quarterly

Quarter
- Q1
- Q2
- Q3
- Q4

Year	Q1	Q2	Q3	Q4
2024	59M	79M	89M	
2023	53M	74M	84M	65M
2022		63M	73M	57M
2019	61M	81M	90M	68M

Terminal Passengers (0M – 200M)

Rolling 12-month total

- Rolling Annual Total (Pax)
- Rolling Annual Growth (%)

Rolling Annual Total (Pax) / Year Quarter

Data points: '19Q2 300M (3%), '19Q3 300M, '19Q4 300M (3%), '20Q1 208M (2%), '20Q2 208M, '20Q3, '20Q4 134M, '21Q1 74M (-90%), '21Q2 34M (-75%), '21Q3, '21Q4 (-84%), '22Q1 65M (-12%), '22Q2 150M (220%), '22Q3 198M (338%), '22Q4 (362%), '23Q1 246M (243%, 163%), '23Q2, '23Q3 267M (35%), '23Q4 281M (23%), '24Q1 (14%), '24Q2, '24Q3 291M (9%)

Monthly

Year
- 2019
- 2022
- 2023
- 2024

Terminal Passengers (0M – 40M)

Months: J F M A M J J A S O N D

Q1 | Q2 | Q3 | Q4

Year-on-year % Variance

Year
- 2019
- 2023
- 2024

Quarter	2019	2023	2024
Q1	4%	68%	11%
Q2	3%	17%	7%
Q3	0%	15%	6%
Q4		14%	-0%

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Air Transport Movements (ATM's) - Q3 2024

Year-on-year comparison

ATM's by airline

(2023Q3: 577K, Other: 9K, Jet2.com: 4K, British Airways: 4K, EasyJet: 4K, Aer Lingus: 2K, Loganair: -4K, 2024Q3: 596K)

ATM's by scheduled & charter operation

(2023Q3: 577K, Scheduled: 17K, Charter: 2K, 2024Q3: 596K)

ATM's by reporting airport

(2023Q3: 577K, Other: 6K, Manchester: 4K, Heathrow: 4K, Birmingham: 2K, Stansted: 2K, Edinburgh: 1K, 2024Q3: 596K)

ATM's by market

(2023Q3: 577K, W.Europe: 12K, RoW: 5K, E. Europe: 2K, N. America: 0K, Other: 0K, Domestic: 0K, 2024Q3: 596K)
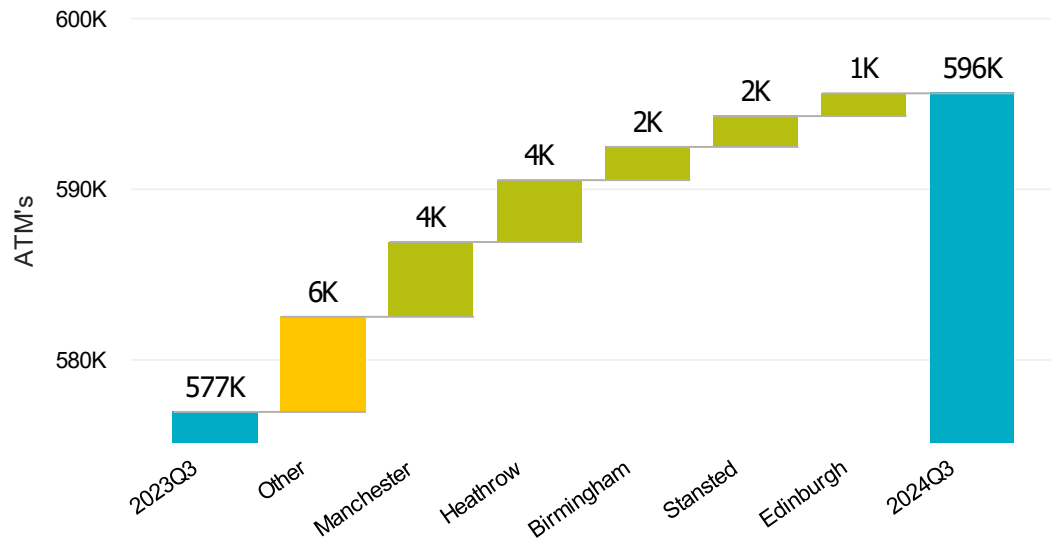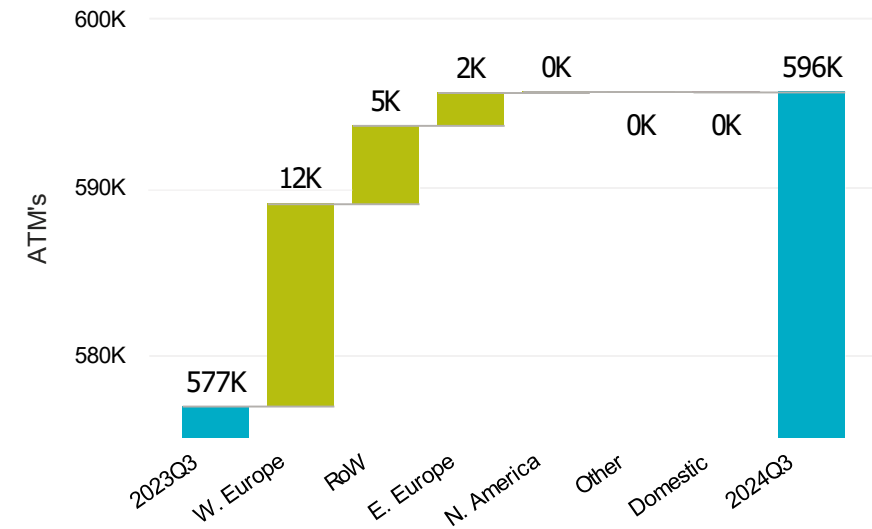
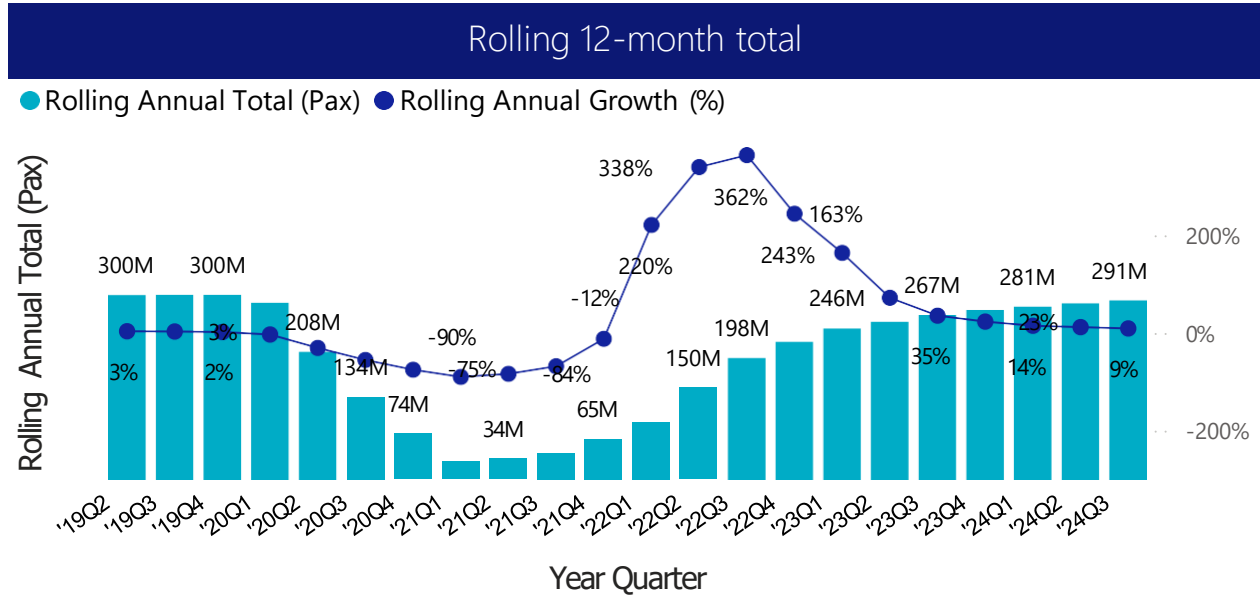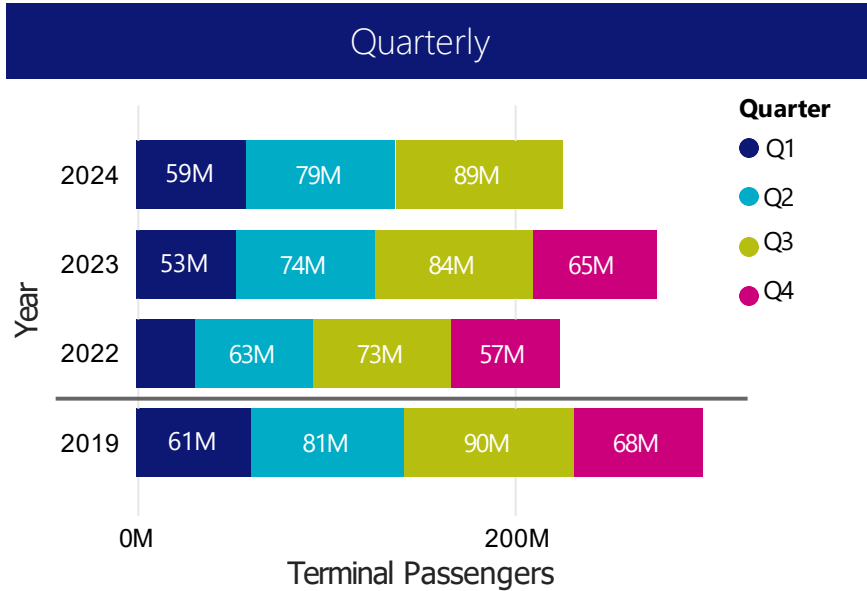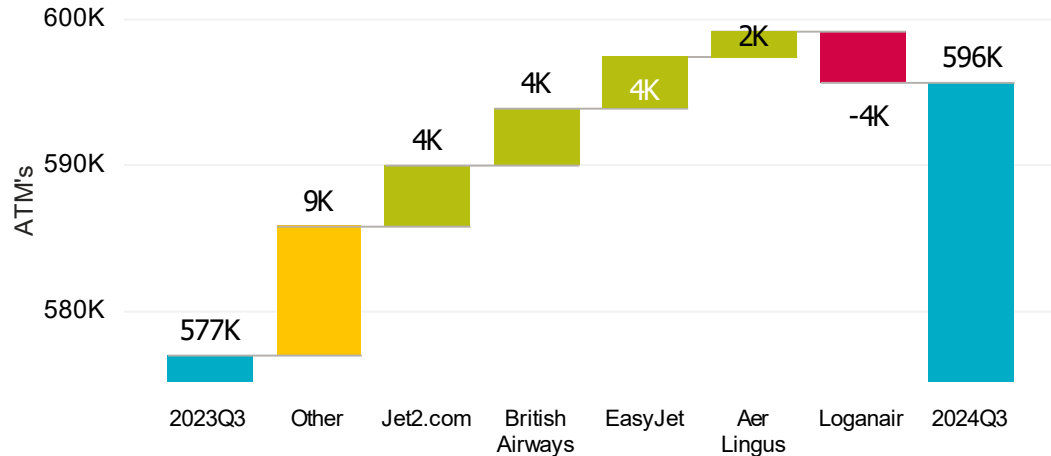The number of ATMs in Q3 was 596K up from 577K in the same period last year.

The charts on this page show how ATM growth is distributed across UK airports, airlines, operation type and market. The top 5 contributors are displayed for airports and airlines with the remainder grouped as "Other".

Air Transport Movements (ATM's)
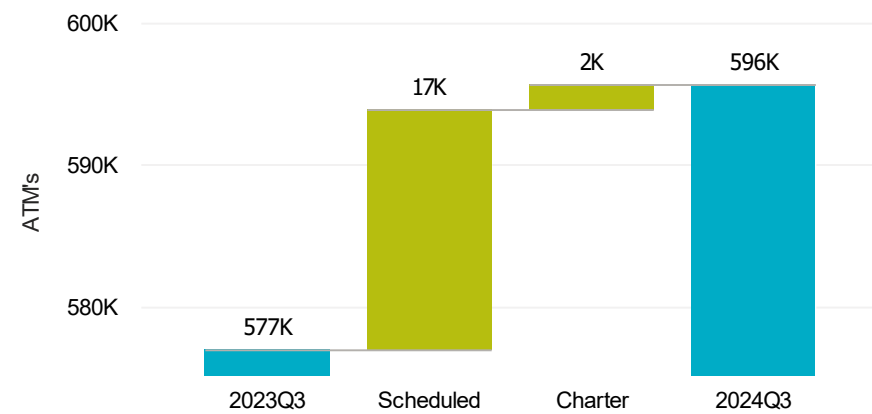
5 Year Trend

UK Civil Aviation Authority

Quarterly

Year	Q1	Q2	Q3	Q4
2024	443K	557K	596K	
2023	417K	532K	577K	485K
2022		486K	523K	444K
2019	504K	614K	650K	534K

ATM's

Rolling 12-month total

● Rolling Annual Total ● Rolling Annual Total Growth (ATM)

Year Quarter

Monthly

Year: 2019, 2022, 2023, 2024

Year-on-year % Variance

Year: 2019, 2023, 2024

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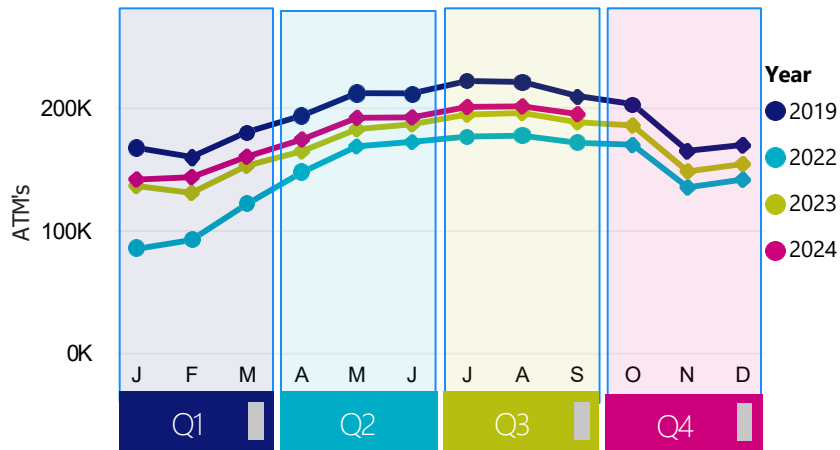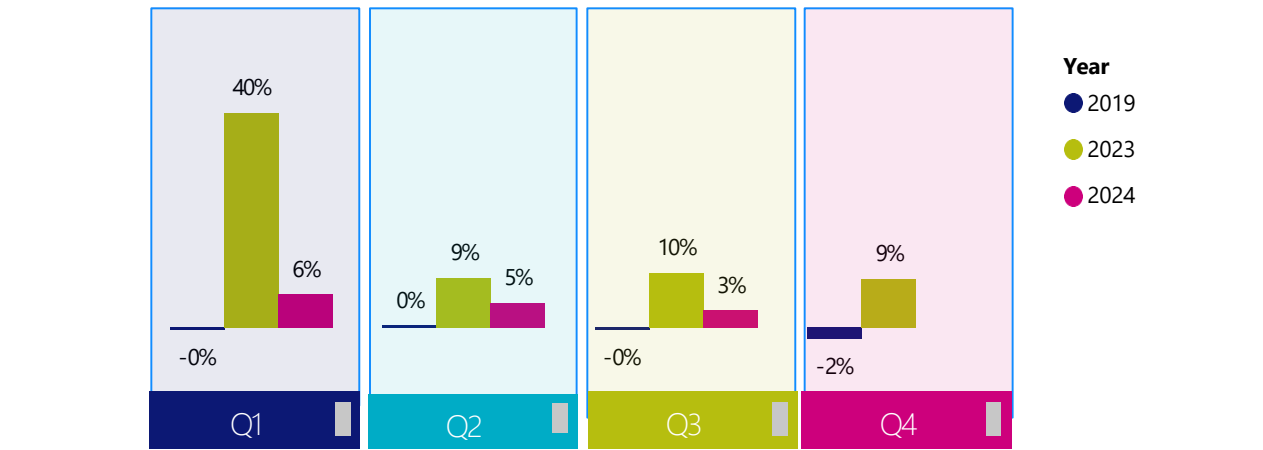
Cargo Tonnage - Q3 2024
Year-on-year comparison

Cargo tonnage by airline

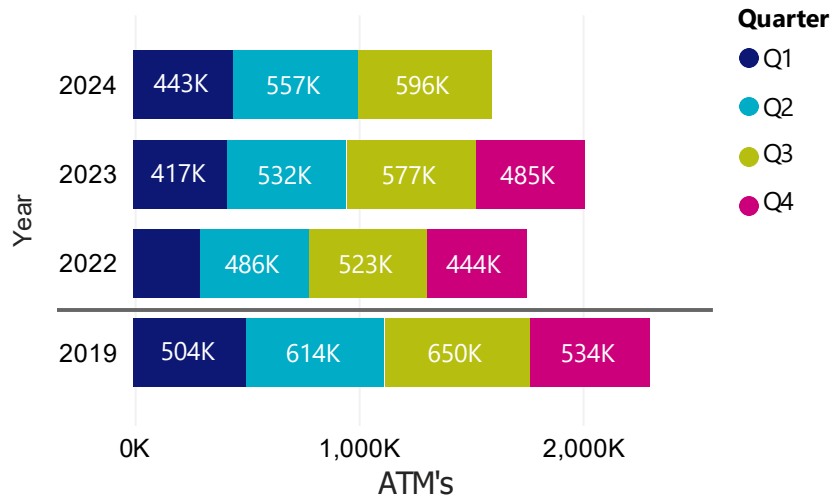Cargo Tonnage in Q3 was 679K up from 604K in the same period last year.

The charts on this page show how cargo tonnage growth is distributed across UK airports, airlines, operation type and market. The top 5 contributors are displayed for airports and airlines with the remainder grouped as "Other".
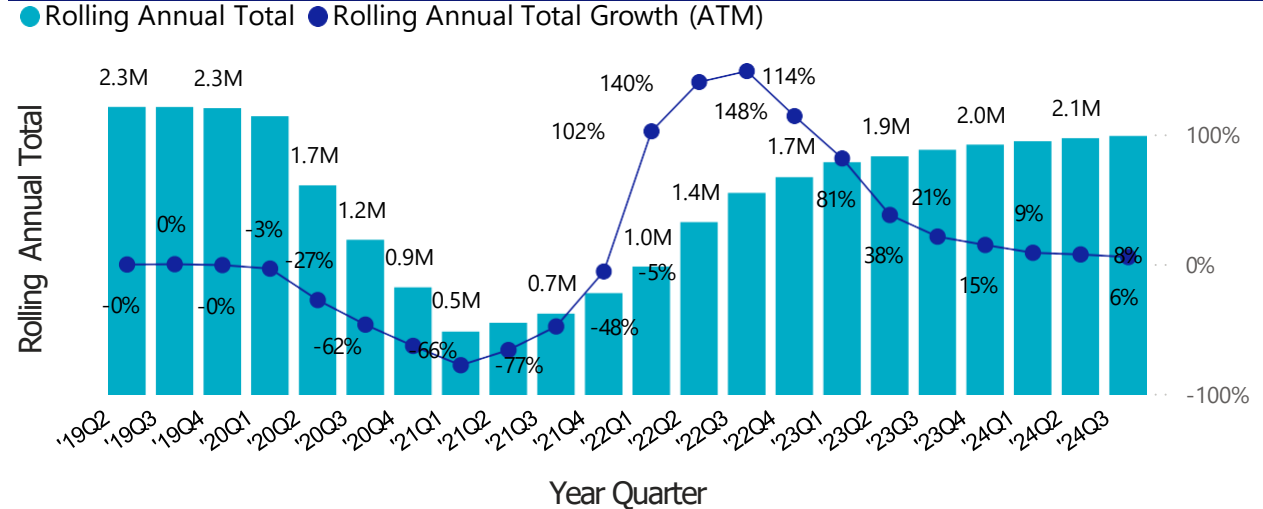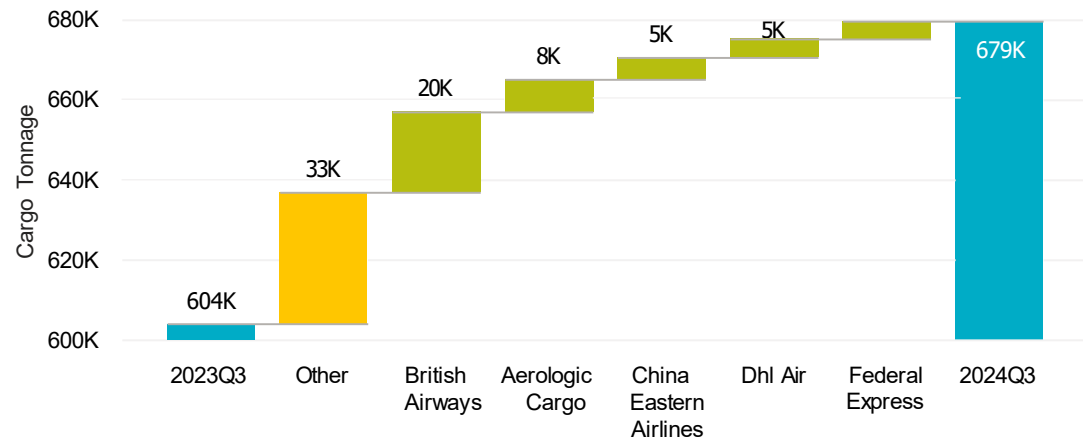
Cargo tonnage by passenger & freighter services
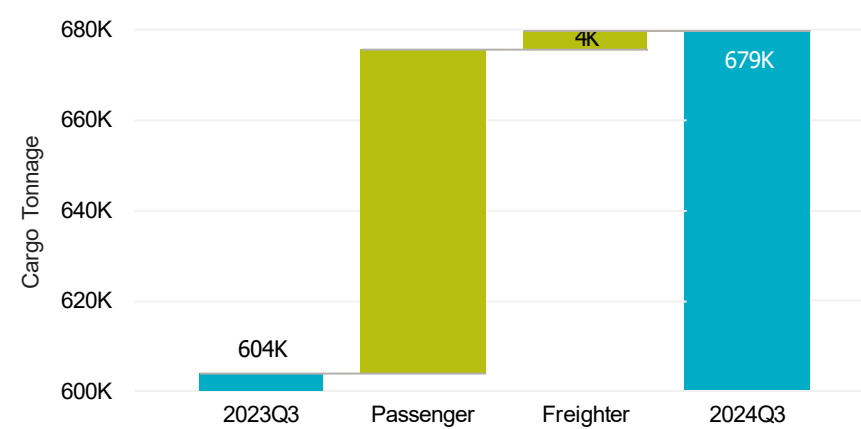
Cargo tonnage by reporting airport

Cargo tonnage by market

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Cargo Tonnage
5 Year Trend

Quarterly

Quarter
- Q1
- Q2
- Q3
- Q4

Year	Q1	Q2	Q3	Q4
2024	630K	647K	679K	
2023	534K	567K	604K	662K
2022	606K	591K	567K	580K
2019	681K	668K	666K	706K

Cargo Tonnage

Rolling 12-month total

● Rolling Annual Total (Cargo) ● Rolling Annual YoY Growth (%)

Monthly

Year
- 2019
- 2022
- 2023
- 2024

Year-on-year % Variance

Year
- 2019
- 2023
- 2024

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Punctuality Trends - Q3 2024
vs Last Year & 2019

UK Civil Aviation Authority

Quarterly Results
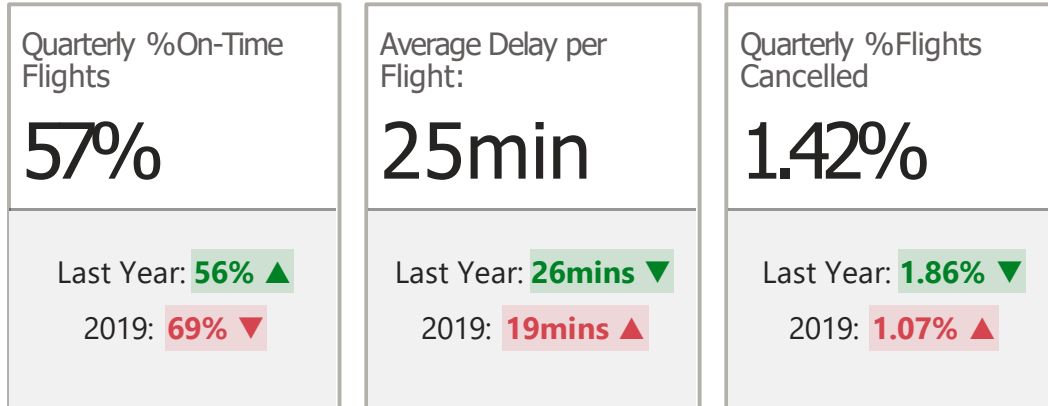
Quarterly %On-Time Flights
57%

Last Year: **56% ▲**

2019: **69% ▼**

Average Delay per Flight:
25min

Last Year: **26mins ▼**

2019: **19mins ▲**

Quarterly %Flights Cancelled
1.42%

Last Year: **1.86% ▼**

2019: **1.07% ▲**

% On-Time Flights (within 15mins of schedule)
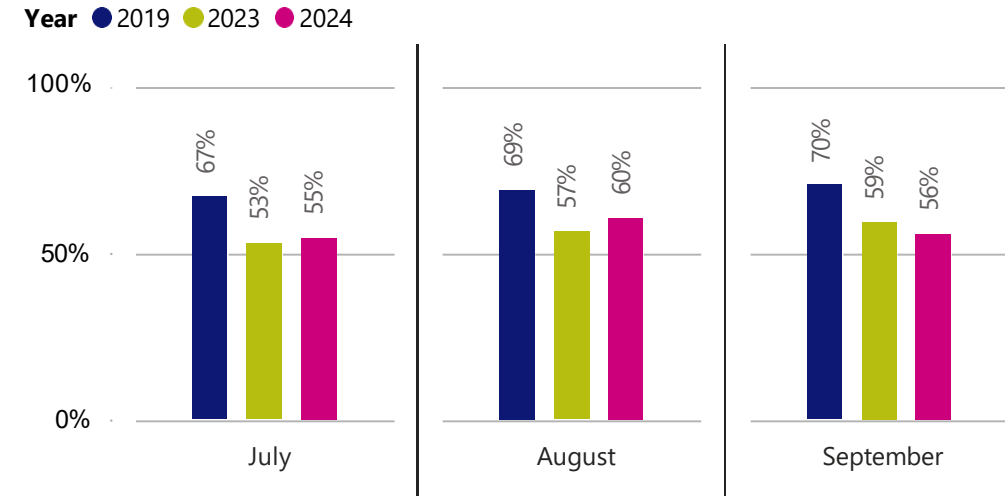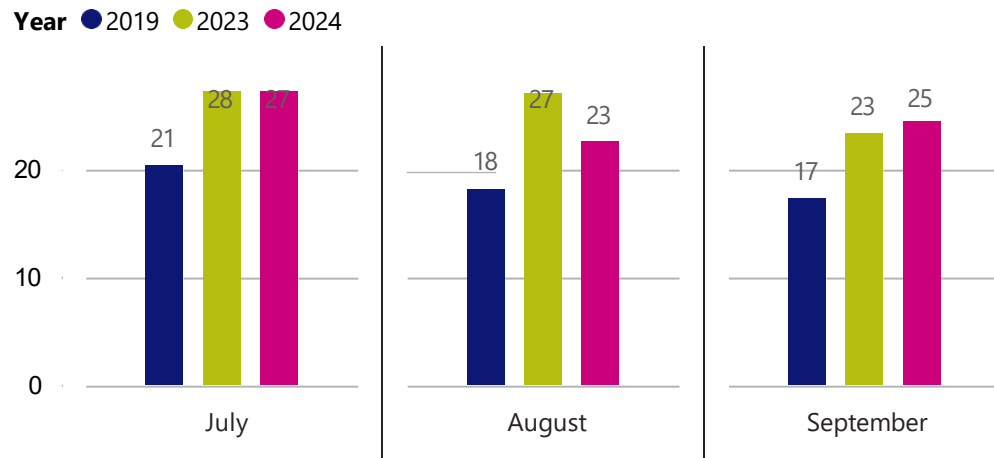
Year ● 2019 ● 2023 ● 2024

July: 67% (2019), 53% (2023), 55% (2024)
August: 69% (2019), 57% (2023), 60% (2024)
September: 70% (2019), 59% (2023), 56% (2024)

Average Delay per Flight (mins)

Year ● 2019 ● 2023 ● 2024

July: 21 (2019), 28 (2023), 27 (2024)
August: 18 (2019), 27 (2023), 23 (2024)
September: 17 (2019), 23 (2023), 25 (2024)

% Flights Cancelled (inside 24hr before departure)

Year ● 2019 ● 2023 ● 2024

July: 1.26% (2019), 1.54% (2023), 1.63% (2024)
August: 0.76% (2019), 2.53% (2023), 1.08% (2024)
September: 1.17% (2019), 1.50% (2023), 1.56% (2024)
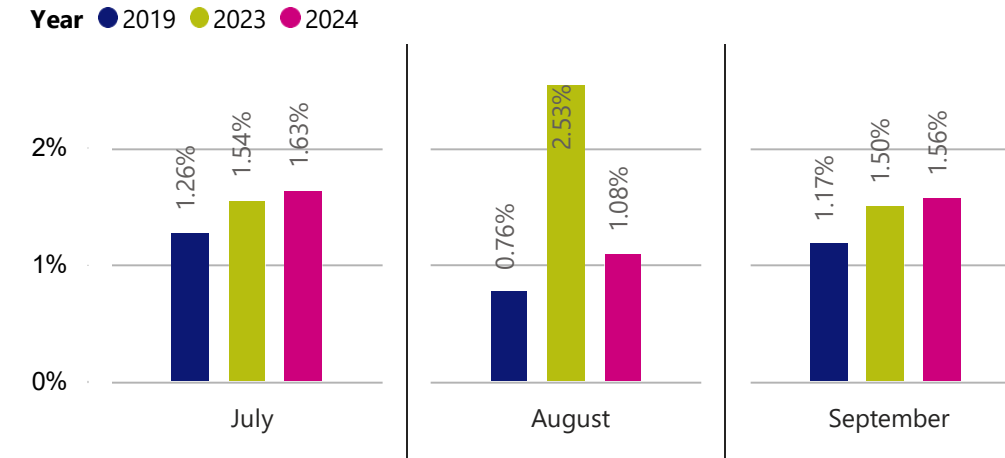
Flight Punctuality - Q3 2024 (UK Arrivals & Departures)
CAA (UK) reporting airports

Percentage of flights on time (<15mins)

Airport	OTP
Belfast City	76%
Aberdeen	74%
Liverpool	72%
Southampton	72%
Teesside	71%
Belfast Int'l	70%
East Midlands	69%
Exeter	68%
Glasgow	67%
Jersey	66%
London City	66%
Isle Of Man	65%
Leeds Bradford	65%
Southend	65%
Cardiff	63%
Bournemouth	62%
Newcastle	61%
Edinburgh	60%
Heathrow	59%
Luton	59%
Bristol	57%
Birmingham	56%
Manchester	53%
Stansted	52%
Gatwick	42%

Qtr Average

OTP by Airport

Distribution of delayed flights

Delay Band (mins
- 16 to 30mins
- 31 to 60mins
- 61 to 120mins
- 121 to 180mins
- 181 to 360mins
- >360mins
- Cancelled

Aberdeen, Belfast City, Belfast Int'l, Birmingham, Bournemouth, Bristol, Cardiff, East Midlands, Edinburgh, Exeter, Gatwick, Glasgow, Heathrow, Isle Of Man, Jersey, Leeds Bradford, Liverpool, London City, Luton, Manchester, Newcastle, Southampton, Southend, Stansted, Teesside

Percentage in Punctuality Band

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Flight Punctuality - Q3 2024 (UK Arrivals & Departures)

Top 20 largest airlines by ATM's

UK Civil Aviation Authority

Percentage of flights on time (<15mins)

Airline	%
Emerald Airlines	84%
Loganair	78%
SAS	76%
United Airlines	69%
Aer Lingus	69%
KLM	68%
American Airlines	68%
Blue Islands	68%
Virgin Atlantic	63%
Emirates	62%
Jet2.com	58%
Ryanair	55%
British Airways	55%
Vueling	54%
Lufthansa	54%
EasyJet	53%
Wizz Air	52%
Tui Airways	49%
Eurowings	46%
Swiss Airlines	45%

Qtr Average

OTP by Airline

Distribution of delayed flights

Delay Band (mins
- >360mins
- 16 to 30mins
- 31 and 60mins
- 61 and 120mins
- 121 to 180 mins
- 181 to 360mins
- Cancelled

Airlines (top to bottom): Emerald Airlines, Loganair, SAS, United Airlines, Aer Lingus, KLM, American Airlines, Blue Islands, Virgin Atlantic, Emirates, Jet2.com, Ryanair, British Airways, Vueling, Lufthansa, EasyJet, Wizz Air, Tui Airways, Eurowings, Swiss Airlines

Percentage in Punctuality Band

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10 year trends

Terminal Passengers, Air Transport Movements (ATM) and Cargo Tonnage (NB: 2024 values are year-to-date and will update throughout the year)

UK Civil Aviation Authority

Indexed passenger, ATM and cargo growth (2014 = 100)

● Terminal Passengers ● ATM's ● Cargo Tonnage

ATM's (millions)

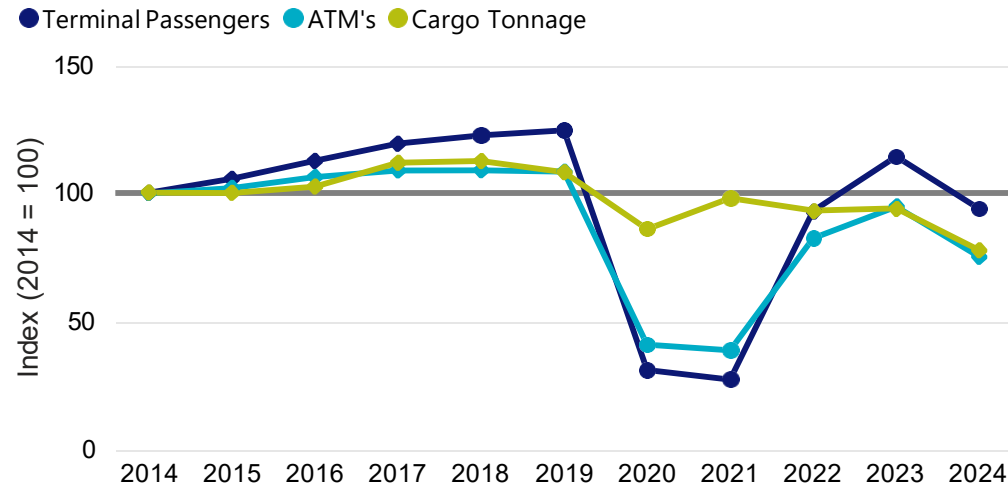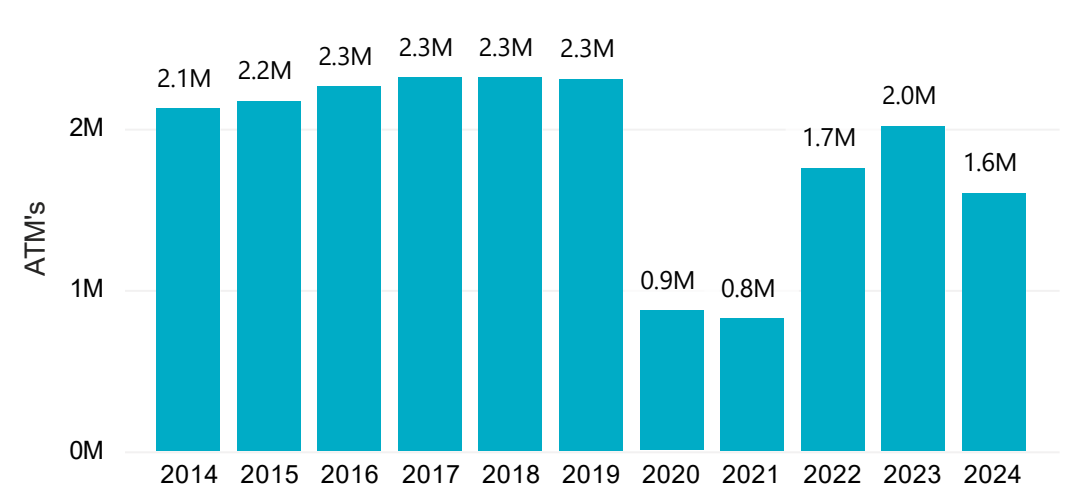| Year	ATM's
2014	2.1M
2015	2.2M
2016	2.3M
2017	2.3M
2018	2.3M
2019	2.3M
2020	0.9M
2021	0.8M
2022	1.7M
2023	2.0M
2024	1.6M

Terminal passengers (millions)

Year	Terminal Passengers
2014	241M
2015	255M
2016	271M
2017	288M
2018	295M
2019	300M
2020	74M
2021	65M
2022	224M
2023	276M
2024	226M

Cargo tonnage (millions)

Year	Cargo Tonnage
2014	2.5M
2015	2.5M
2016	2.6M
2017	2.8M
2018	2.8M
2019	2.7M
2020	2.2M
2021	2.5M
2022	2.3M
2023	2.4M
2024	2.0M
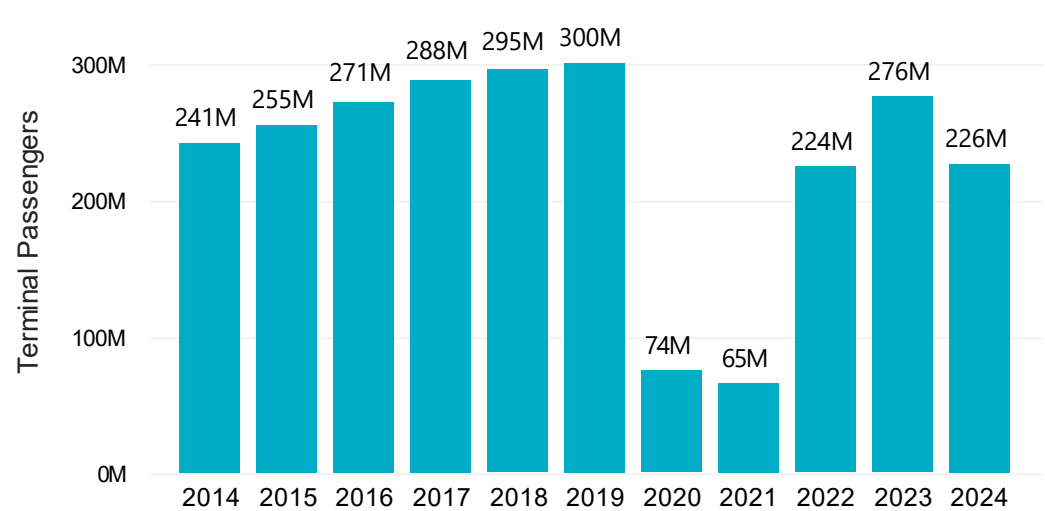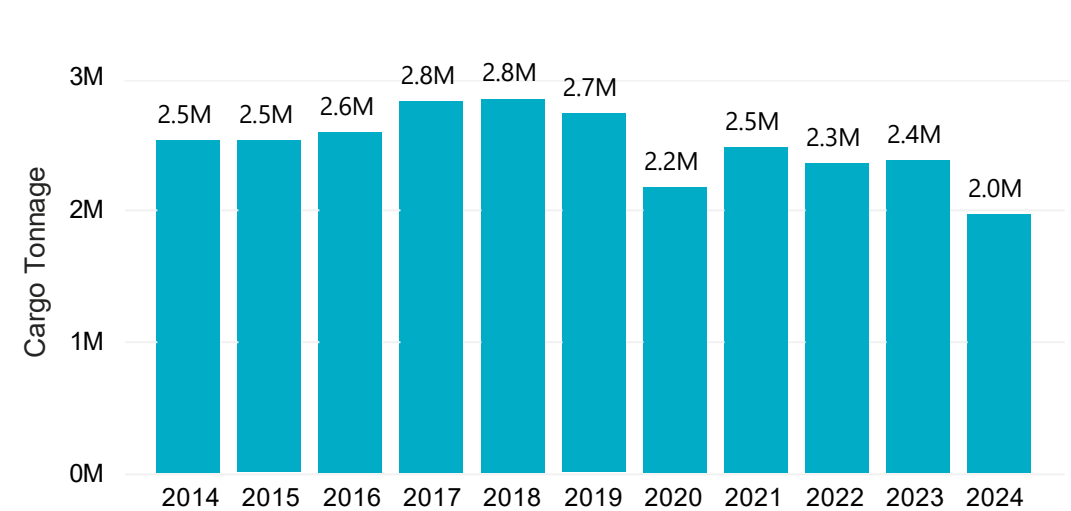
10 Year trends

Load Factor & Average Seats per Flight (NB: 2024 values are year-to-date and will update throughout the year)

Indexed ATM, load factor and average seats per flight (2014 = 100)

Average load factor (%)
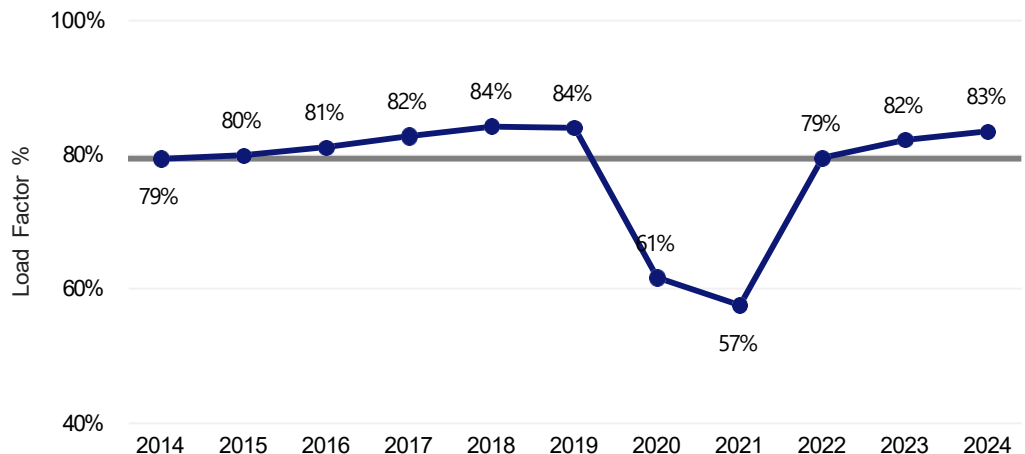
NB: Load Factor (%) represents the proportion of seats on a flight used on a flight i.e. Terminal Passengers / Total Seats.

Average seats per flight
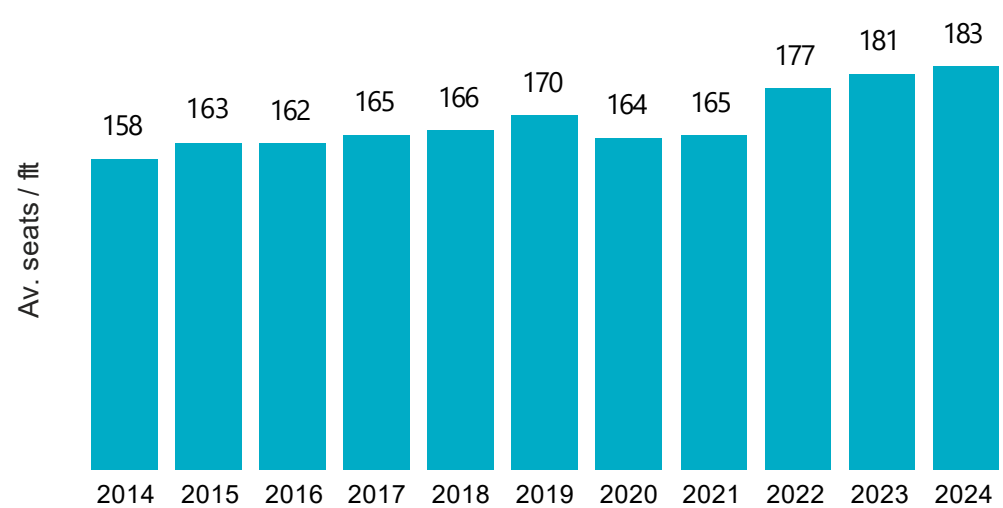
10 Year trends

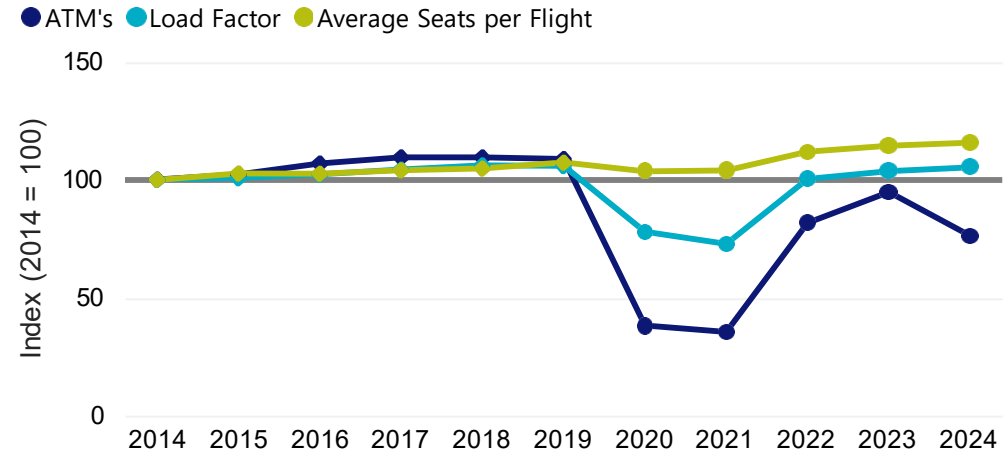*Punctuality* (NB: 2024 values are year-to-date and will update throughout the year)

% On-time performance (OTP) <15mins
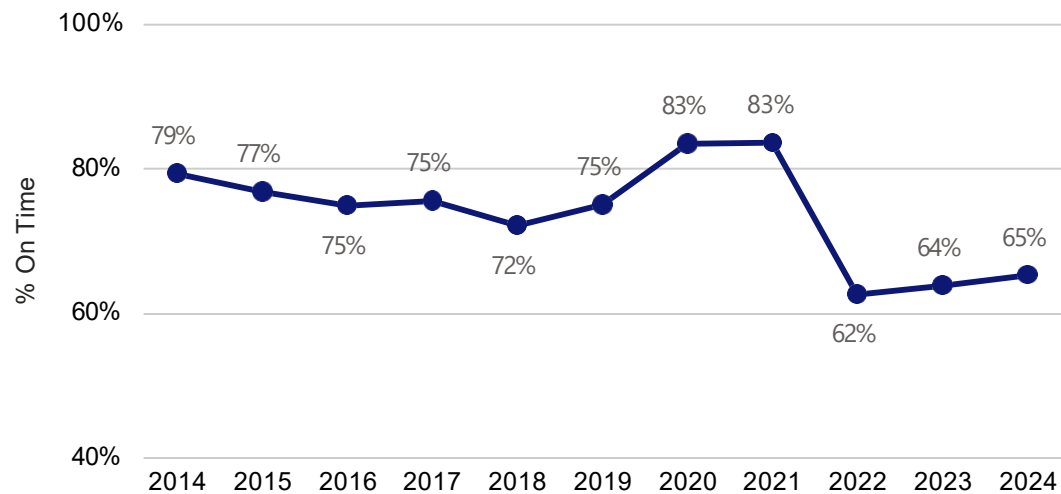
% OTP by month (last five years)
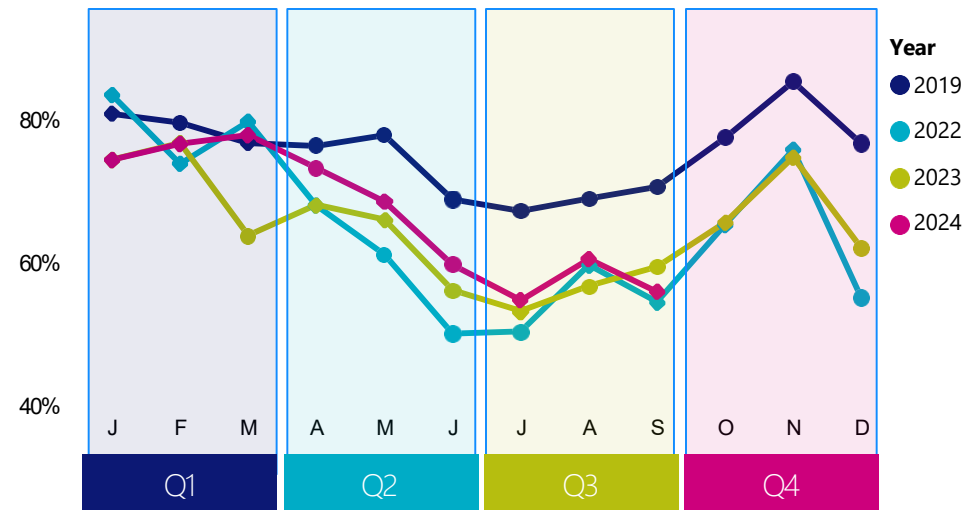
Average delay minutes per flight
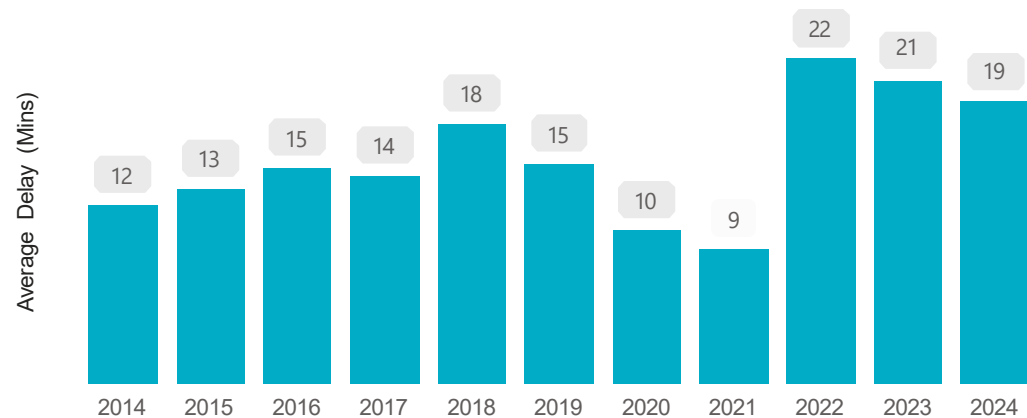
% of flights cancelled (within 24hr before departure)

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Trend since 1990 (30+ years)
Terminal Passengers and % On-Time Performance

Annual UK Terminal Passengers (1990 - 2023)

On-Time Performance (within 15mins of schedule)

Trends since 1990 (30+ years)
Cargo Tonnage

Annual UK Cargo Tonnage (1990 - 2023)

Data Tables (Latest Quarter): *Terminal Passengers - Q3 2024*

Top 25 UK reporting airports

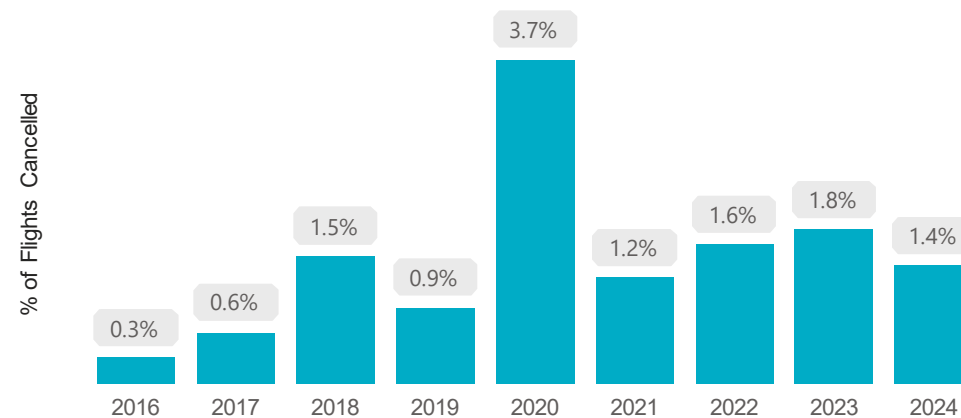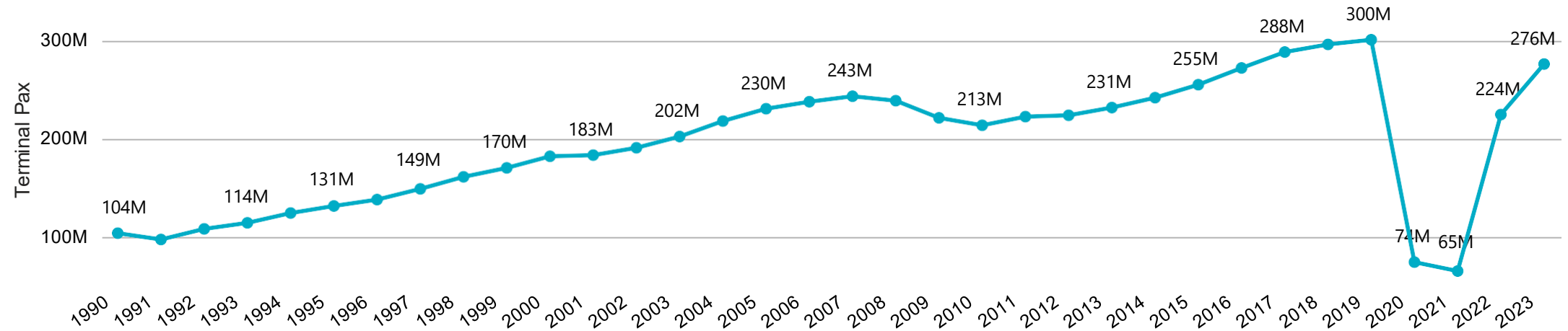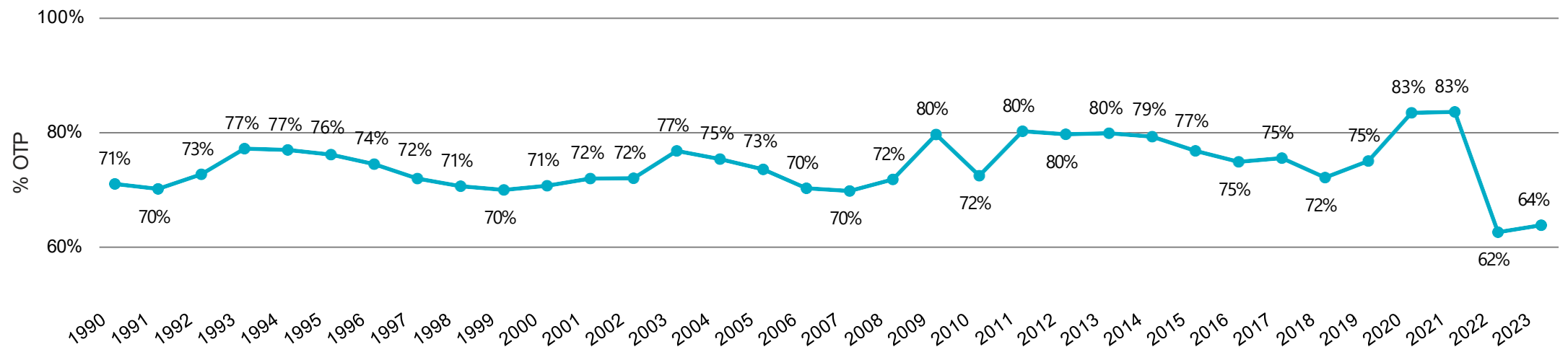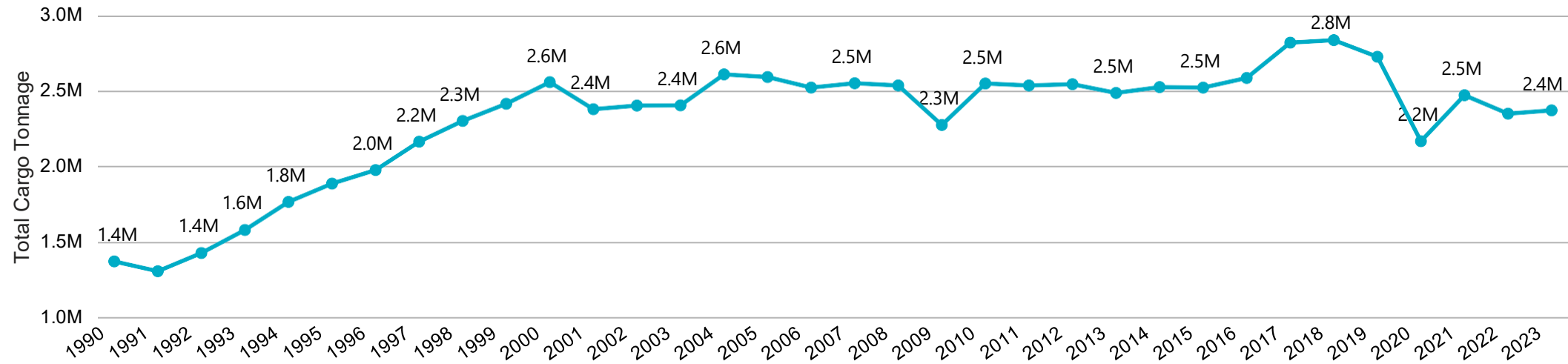| Reporting Airport	Term. Passengers	% YoY	
Heathrow	23,236,238	4%	▲
Gatwick	13,556,752	4%	▲
Manchester	9,608,814	8%	▲
Stansted	8,669,686	4%	▲
Luton	4,956,760	2%	▲
Edinburgh	4,772,687	9%	▲
Birmingham	4,102,751	10%	▲
Bristol	3,454,030	6%	▲
Glasgow	2,441,477	11%	▲
Belfast Int'l	2,035,810	13%	▲
Newcastle	1,708,069	5%	▲
Liverpool	1,572,663	25%	▲
East Midlands	1,553,264	4%	▲
Leeds Bradford	1,466,274	2%	▲
London City	964,426	7%	▲
Aberdeen	660,621	4%	▲
Belfast City	656,725	12%	▲
Jersey	478,451	-0%	▼
Bournemouth	416,112	14%	▲
Cardiff	332,094	2%	▲
Southampton	251,779	15%	▲
Inverness	249,307	3%	▲
Guernsey	207,046	-2%	▼
Prestwick	188,927	0%	▲
Isle Of Man	173,745	6%	▲
Total	**87,714,508**	**6%**	▲

Top 25 Airlines

Airline (groups)	Term. Passengers	% YoY	
EasyJet	17,580,337	6%	▲
Ryanair	15,946,249	5%	▲
British Airways	14,439,181	6%	▲
Jet2.com	7,431,010	10%	▲
Tui Airways	4,932,803	6%	▲
Wizz Air	3,076,950	-3%	▼
Virgin Atlantic	1,569,681	4%	▲
Emirates	1,548,548	5%	▲
Aer Lingus	1,304,815	12%	▲
KLM	1,219,416	9%	▲
American Airlines	1,114,076	2%	▲
Vueling	1,044,235	14%	▲
Lufthansa	1,029,745	-8%	▼
Qatar Airways	856,909	6%	▲
United Airlines	806,028	-4%	▼
Loganair	768,300	-10%	▼
Turkish Airlines	627,470	-8%	▼
Sunexpress	556,682	75%	▲
Air Canada	539,884	-3%	▼
Delta Airlines	521,437	-5%	▼
SAS	462,020	-3%	▼
Swiss Airlines	424,479	-2%	▼
Eurowings	417,108	16%	▲
Pegasus Airlines	389,667	14%	▲
Air France	370,592	1%	▲
Total	**78,977,622**	**5%**	▲

Top 25 international destinations

OD Airport Name	Term. Passengers	% YoY	
Palma De Mallorca	2,655,466	5%	▲
Dublin	2,592,999	2%	▲
Amsterdam	2,246,827	7%	▲
Alicante	1,920,758	12%	▲
Malaga	1,873,796	5%	▲
Dubai	1,660,373	4%	▲
Faro	1,640,769	-2%	▼
Barcelona	1,447,145	13%	▲
Antalya	1,420,166	14%	▲
Tenerife (Surreina Sofia)	1,370,477	8%	▲
Dalaman	1,281,474	6%	▲
New York (Jf Kennedy)	1,238,445	7%	▲
Paris (Charles De Gaulle)	1,085,689	15%	▲
Ibiza	970,093	-0%	▼
Doha Hamad	935,846	8%	▲
Lisbon	885,279	5%	▲
Arrecife	866,884	12%	▲
Istanbul	823,800	17%	▲
Corfu	807,079	9%	▲
Frankfurt Main	804,305	-7%	▼
Madrid	798,564	3%	▲
Rhodes	774,816	15%	▲
Copenhagen	761,714	8%	▲
Nice	711,917	0%	▲
Larnaca	651,037	11%	▲

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Data Tables (Latest Quarter): *ATM's - Q3 2024*

Top 25 UK Reporting Airports

Reporting Airport	ATM's	% YoY	
Heathrow	125,666	3%	▲
Gatwick	79,376	1%	▲
Manchester	56,992	8%	▲
Stansted	52,703	4%	▲
Edinburgh	33,587	4%	▲
Luton	29,047	1%	▲
Birmingham	26,681	8%	▲
Bristol	22,080	3%	▲
Glasgow	19,455	7%	▲
Aberdeen	16,107	5%	▲
Belfast Int'l	14,925	7%	▲
East Midlands	14,439	-6%	▼
London City	12,104	-3%	▼
Newcastle	11,395	1%	▲
Liverpool	10,558	14%	▲
Leeds Bradford	10,321	4%	▲
Belfast City	8,033	3%	▲
Jersey	5,477	-2%	▼
Guernsey	5,118	13%	▲
Southampton	4,656	-7%	▼
Norwich	3,937	-2%	▼
Sumburgh	3,738	19%	▲
Inverness	2,839	-18%	▼
Kirkwall	2,634	-5%	▼
Bournemouth	2,574	17%	▲
Total	574,442	3%	▲

Top 25 international destinations

OD Airport Name	ATM's	% YoY	
Dublin	21,254	-1%	▼
Amsterdam	19,508	2%	▲
Palma De Mallorca	15,891	7%	▲
Alicante	11,038	14%	▲
Malaga	10,836	3%	▲
Faro	9,841	-2%	▼
Paris (Charles De Gaulle)	9,611	17%	▲
Barcelona	8,903	14%	▲
Antalya	8,308	16%	▲
Tenerife (Surreina Sofia)	7,421	9%	▲
Dalaman	7,376	10%	▲
Frankfurt Main	6,522	-8%	▼
Ibiza	6,142	-1%	▼
New York (Jf Kennedy)	5,793	6%	▲
Copenhagen	5,370	2%	▲
Lisbon	5,348	-1%	▼
Arrecife	4,911	17%	▲
Nice	4,814	-2%	▼
Corfu	4,709	8%	▲
Madrid	4,564	1%	▲
Istanbul	4,446	11%	▲
Rhodes	4,382	7%	▲
Dubai	4,024	6%	▲
Larnaca	3,664	16%	▲
Doha Hamad	3,284	12%	▲

ATM's by operation type

Op. Type	ATM's	% YoY	
Charter	41,694	4%	▲
Scheduled	553,886	3%	▲

ATM's by market

Market	ATM's	% YoY	
W. Europe	355,796	4%	▲
Domestic	121,686	-0%	▼
RoW	41,396	13%	▲
E. Europe	40,693	5%	▲
N. America	36,016	0%	▲

Data Tables (Latest Quarter): *Cargo Tonnage - Q3 2024*

Cargo Tonnage by UK reporting airport

Reporting Airport	Cargo Tonnage	% YoY	
Heathrow	388,739	8%	▲
East Midlands	96,547	2%	▲
Stansted	80,052	17%	▲
Gatwick	31,870	88%	▲
Manchester	24,897	32%	▲
Birmingham	14,191	163%	▲
Belfast Int'l	9,046	-0%	▼
Bournemouth	7,987	97%	▲
Luton	7,843	27%	▲
Edinburgh	7,595	-19%	▼
Glasgow	2,624	107%	▲
Prestwick	2,212	-9%	▼
Aberdeen	1,587	56%	▲
Newcastle	1,548	73%	▲
Guernsey	600	0%	▲
Sumburgh	355	17%	▲
Inverness	342	-70%	▼
Exeter	265	-67%	▼
Stornoway	232	-15%	▼
Teesside	210	258%	▲
Kirkwall	187	-31%	▼
Benbecula	147	12%	▲
Jersey	113	-64%	▼
Islay	102	5%	▲
Alderney	27	8%	▲
Total	**679,317**	**13%**	

Top 25 international destinations

OD Airport Name	Cargo Tonnage	% YoY	
New York (Jf Kennedy)	39,908	20%	▲
Dubai	34,446	19%	▲
Doha Hamad	33,066	10%	▲
Leipzig	32,335	15%	▲
Los Angeles International	23,623	28%	▲
Chicago (O'Hare)	16,370	4%	▲
Istanbul	14,524	-8%	▼
Bahrain	14,247	31%	▲
Cologne Bonn	14,242	-6%	▼
Shanghai (Pu Dong)	13,639	30%	▲
Delhi	13,026	52%	▲
Singapore	12,564	13%	▲
Guangzhou Baiyun International	11,923	11%	▲
Mumbai	11,738	30%	▲
Hong Kong (Chek Lap Kok)	10,975	-11%	▼
Beijing	10,888	43%	▲
Miami International	10,530	45%	▲
Abu Dhabi International	10,518	7%	▲
Paris (Charles De Gaulle)	10,353	2%	▲
Brussels	9,877	-7%	▼
Cincinnati	9,868	14%	▲
Toronto	9,206	-1%	▼
Memphis	8,814	18%	▲
Tokyo (Haneda)	8,448	17%	▲
Dallas/Fort Worth	8,222	-12%	▼

Cargo Tonnage by operation type

Op. Type	Cargo Tonnage	% YoY	
Scheduled	641,446	12%	▲
Charter	37,947	27%	▲

Cargo Tonnage by market

Market	Cargo Tonnage	% YoY	
RoW	314,348	22%	▲
N. America	212,735	16%	▲
W. Europe	122,679	0%	▲
Domestic	28,382	-27%	▼
E. Europe	1,249	2%	▲