

CANSO ATM TRAFFIC ANALYSIS REPORT

DECEMBER 2022

2022 ends with Air Traffic Recovery Largely on Track

- There were 3.31 million flights operated globally in December 2022. This represents a 12.9 per cent increase on the number of flights in December 2021 and a 1.2 per cent increase on the 3.27 million flights operated in December 2019.
- December 2022 saw 6.59 million flight hours operated globally. This is a 9.2 per cent increase on the number of flight hours in December 2021 and is 3.7 per cent lower than the 6.84 million flight hours flown in December 2019.

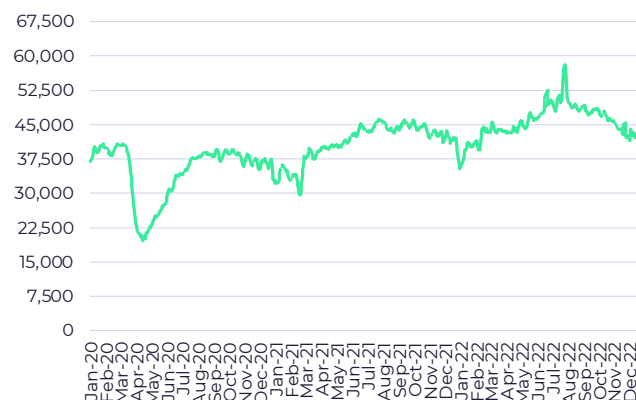
Ongoing Challenges to Industry Resilience

Despite holiday travel, December is not a peak travel month normally. Air traffic showed reasonable month over month growth nevertheless, despite the fact that weather in key markets drove high cancellation rates on peak days, challenging the resiliency of an already stressed sector to deliver capacity.

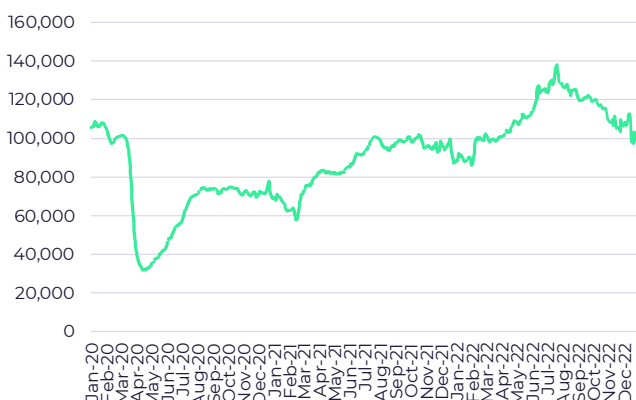
On the whole, the aviation industry ended 2022 with its multi-year recovery largely on track. Overall flight numbers are back, albeit with variation across regions and a materially different fleet profile in some areas. Forecasts continue to predict that full passenger flight kms, an important metric for commercial airlines, will return to 2019 levels in early 2024.

However looking forward into 2023, increasing infection rates and the re-introduction of COVID-19 testing requirements for travel from some areas in the early days of the year is an unwelcome sign.

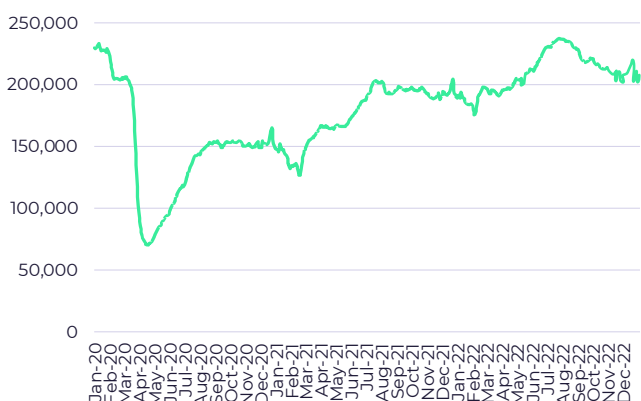
AVERAGE UNIQUE AIRCRAFT



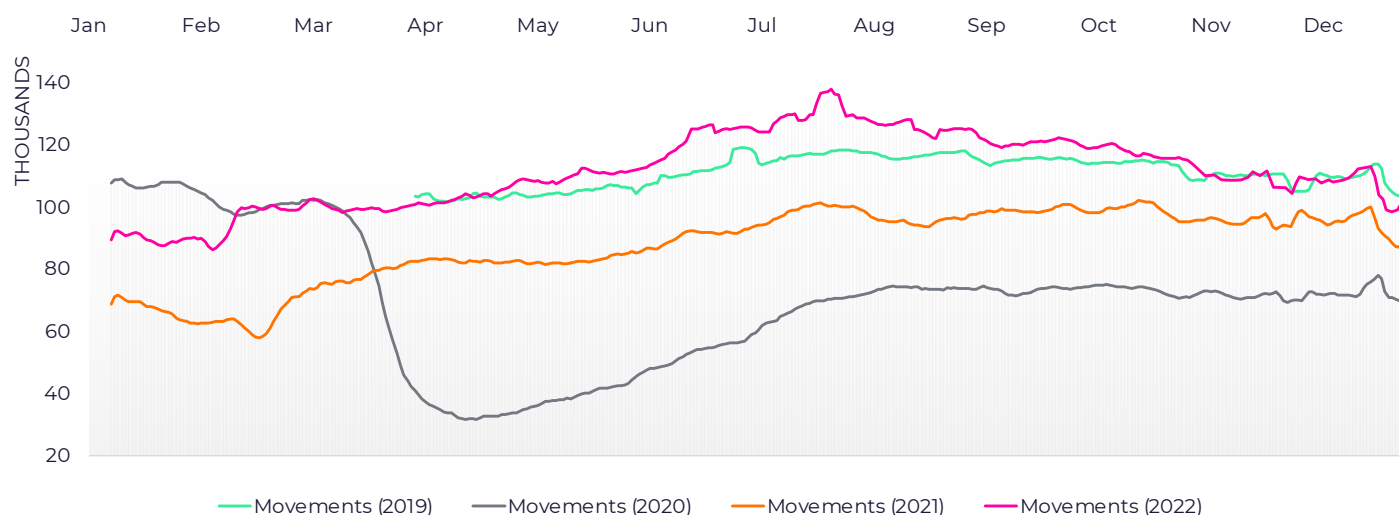
AVERAGE GLOBAL FLIGHTS



AVERAGE GLOBAL FLIGHT HOURS

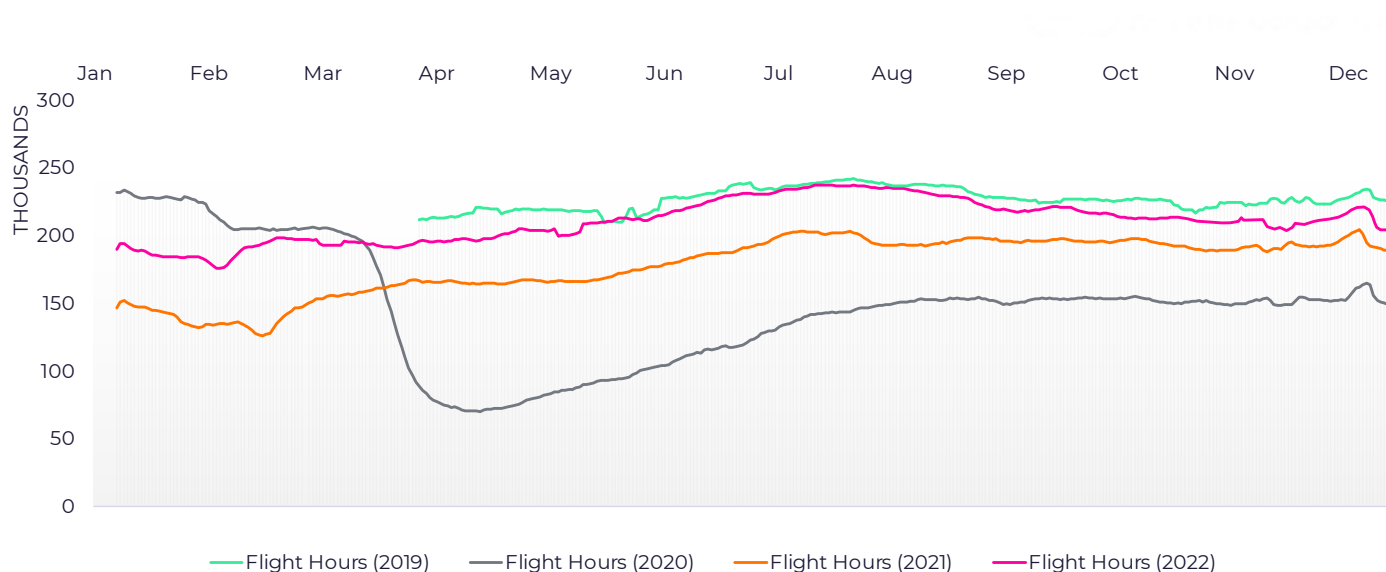


Global daily flights variation



The rolling 7-day average of global daily flight volumes fell slightly in December, ranging between 113,000 and 98,000 flights daily, with the busiest day falling on December 21. July 24 2022 represents the air traffic high point with the 7-day average reaching 137,000 flights.

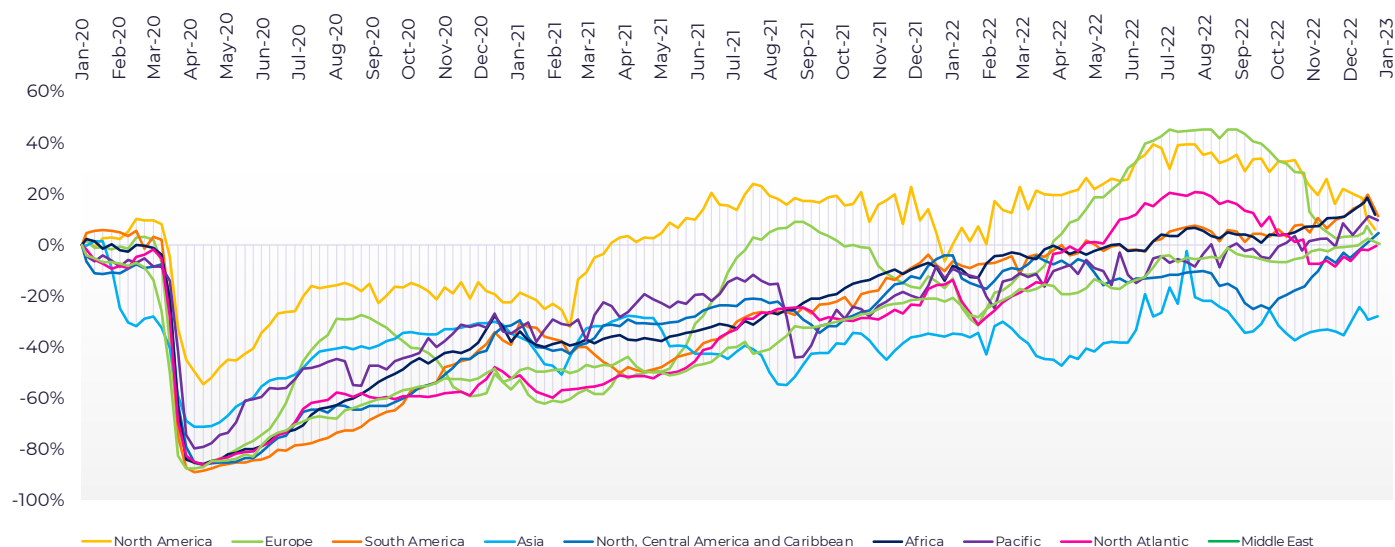
Daily Flight Hours



Global flight hours are an important metric of ATM workload. The post pandemic high remains July 29, 2022 when 244,000 flight hours were operated globally.

Daily flight hours in December 2022 ranged between 166,000 and 229,000 hours per day.

Percent change in flights per region



Most regions saw small month over month increases in traffic in December, offset again by traffic decreases in the large markets of Europe and North America. The North Atlantic however saw a small bump in traffic volumes and even in North America, month over month flight hours did not fall as much as flight numbers did. Asia saw an additional 2,000 flights daily over November, a welcome sign in a region where recovery in air travel, particularly international travel, has been behind that of other regions.

Tracking the recovery: Flights and flight hours by region

	Dates	Average daily flight hours	Percent change	Average daily movements	Percent change
Middle East	1-Jan2020 25-Dec-2022	7,400 9,900	+34%	6,100 6,100	0%
North America	1-Jan2020 25-Dec-2022	67,400 65,000	+4%	38,000 39,400	+4%
Europe	1-Jan2020 25-Dec-2022	44,700 41,600	-7%	24,900 24,400	-2%
South America	1-Jan2020 25-Dec-2022	10,700 11,200	+5%	5,800 6,400	+10%
Asia	1-Jan2020 25-Dec-2022	74,900 58,500	-22%	35,000 25,100	-28%
Caribbean	1-Jan2020 25-Dec-2022	9,100 9,700	+7%	6,400 6,600	+3%
Africa	1-Jan2020 25-Dec-2022	4,200 4,400	+5%	1,800 2,000	+11%
North Atlantic	1-Jan2020 25-Dec-2022	6,800 6,500	-4%	2,300 2,300	0%

ABOUT THE ATM REPORT

The ATM Report is issued monthly by CANSO as an analysis of metrics directly relevant to the ATM industry. The report uses high fidelity global space-based ADS-B air traffic data provided via a partnership with Aireon. The data include surveillance of all 1090Mhz ADS-B equipped aircraft. While some non-ADS-B equipped aircraft may not be included, the data is appropriate for the monitoring of global trends in traffic levels.



ABOUT CANSO

The Civil Air Navigation Services Organisation is the global voice of air traffic management. CANSO Members and Associate Members support almost 90 percent of world air traffic and represent leading providers of technology and services to the industry. Members share information and develop new policies, with the ultimate aim of improving air navigation services.

For more, visit canso.org.



ABOUT AIREON

Aireon is harnessing next-generation aviation surveillance technologies that were formerly ground-based and, for the first time ever, is extending their reach globally through the use of satellite technology to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders.

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