

# CANSO ATM TRAFFIC ANALYSIS REPORT

NOVEMBER 2022

## November traffic patterns show impact of seasonal declines in large markets

- There were 3.26 million flights operated globally in November 2022. This represents a 14 per cent increase on the number of flights in November 2021 and a 0.4 per cent decrease on the 3.27 million flights operated in November 2019.
- November 2022 saw 6.26 million flight hours operated globally. This is a 9.7 per cent increase on the number of flight hours in November 2021 and is 6.4 percent lower than the 6.69 million flight hours flown in November 2019.

## Continued recovery in flight hours

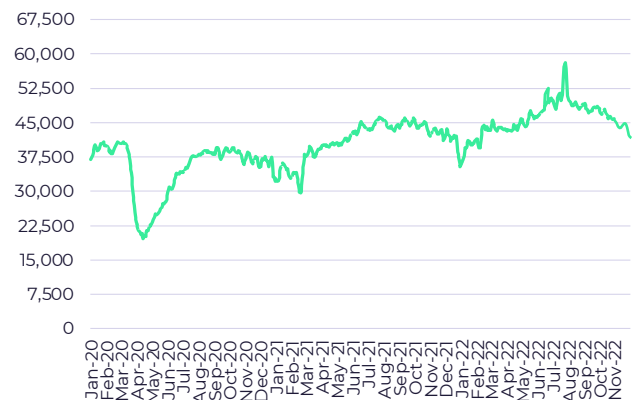
While the overall number of flights globally has shown strong recovery, recovery in flight hours operated continues to lag.

While some regions are seeing longer flight times due to closed airspace, other regions are showing continued evidence of impact on international traffic and long haul flights and a growth in business aviation that is affecting patterns. This can easily be seen by examining traffic levels in the oceanic areas of the North Atlantic and Pacific.

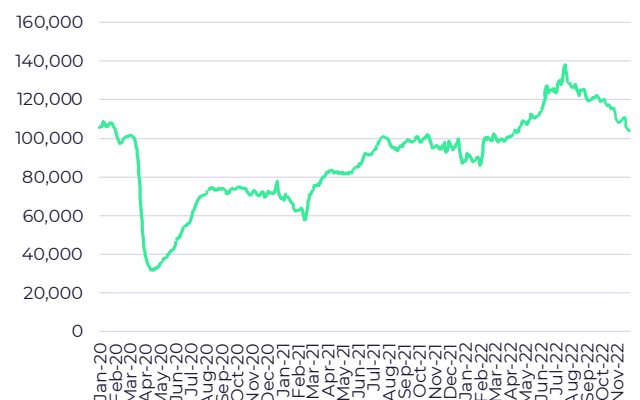
Globally in November 2019, there were 223,000 flight hours operated daily. In November 2022 this remains at 208,000 flight hours daily despite the fact that the number of flights globally is now at 2019 levels.

Underneath the high level global numbers there has of course been significant changes in traffic patterns and fleet mix that is requiring adjustment by all stakeholders in the aviation system.

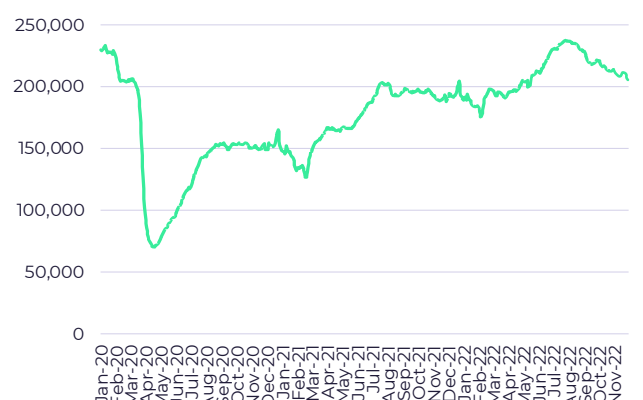
AVERAGE UNIQUE AIRCRAFT



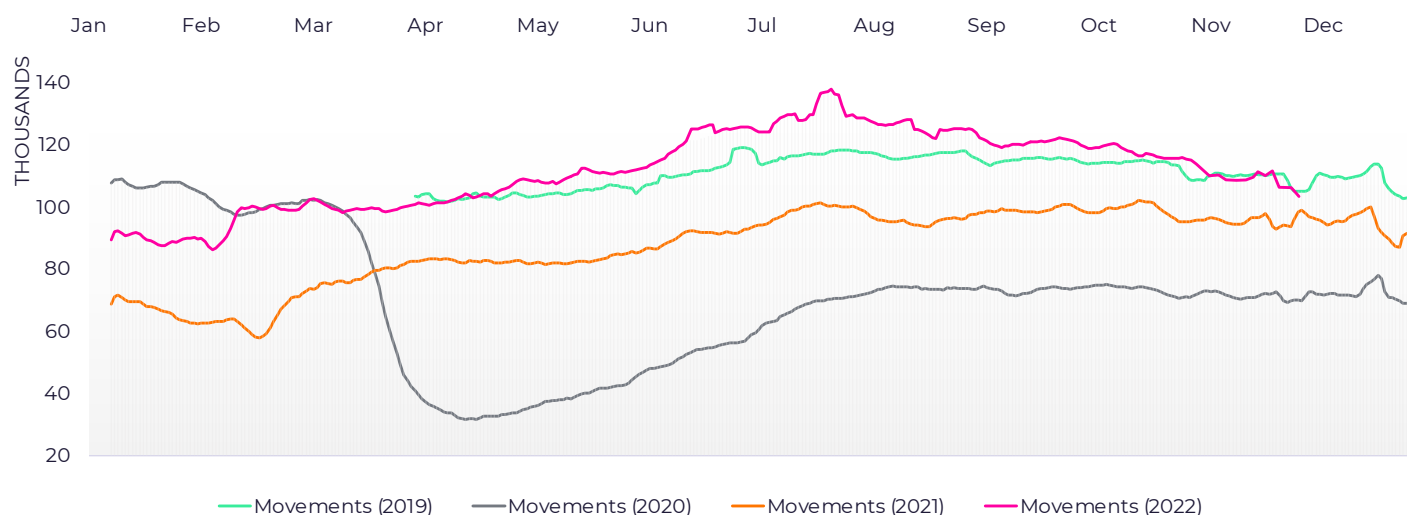
AVERAGE GLOBAL FLIGHTS



AVERAGE GLOBAL FLIGHT HOURS

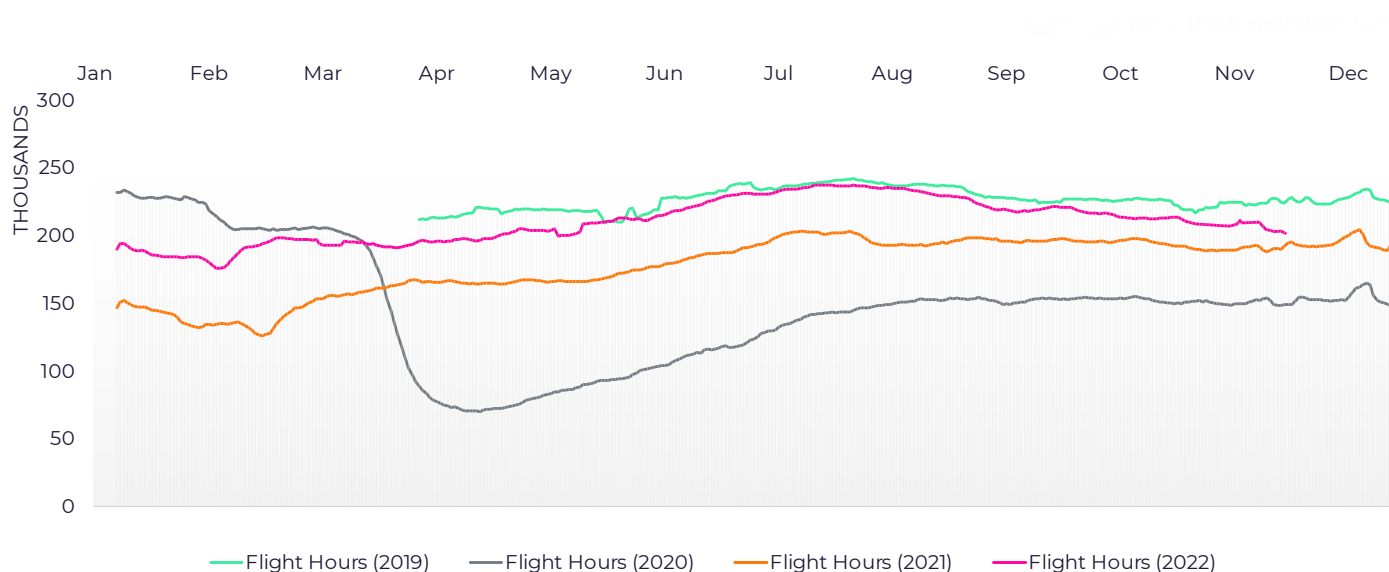


# Global daily flights variation



The rolling 7-day average of global daily flight volumes fell slightly in November, ranging between 113,000 and 105,000 flights daily and falling below 2019 levels for the first time in six months. July 24 2022 represents the air traffic high point with the 7-day average reaching 137,000 flights.

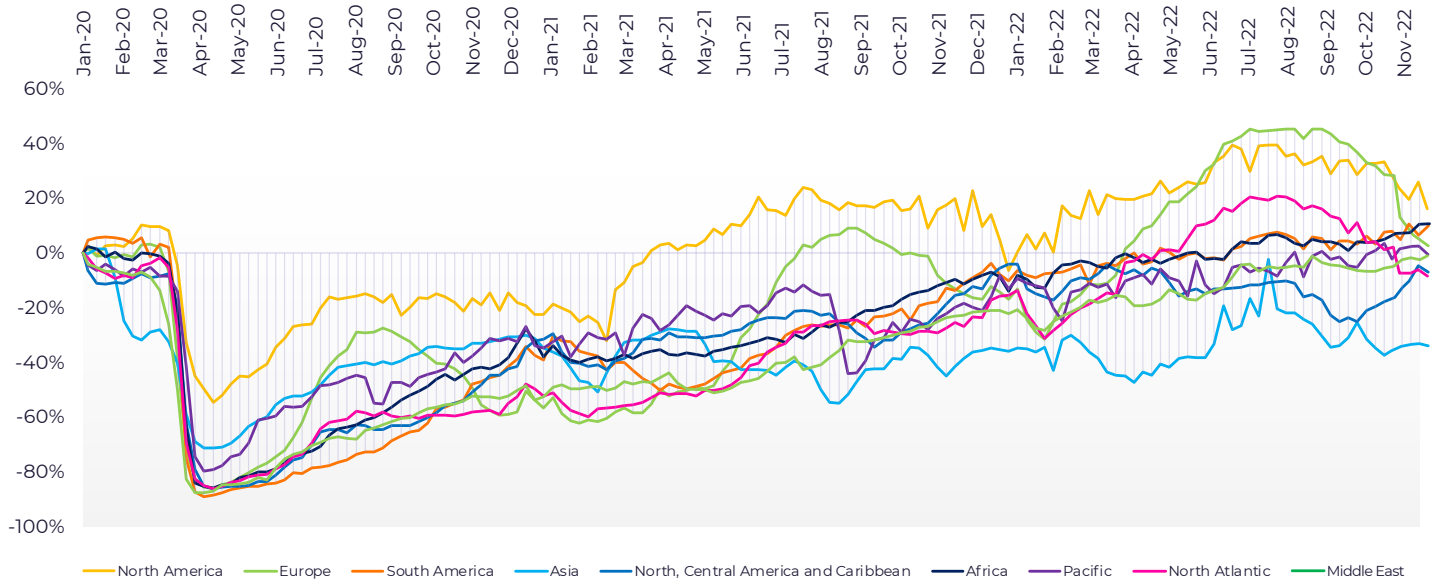
## Daily Flight Hours



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 November 2022 ranged between 197,000 and 227,000 hours per day.

## Percent change in flights per region



Central America and the Caribbean experienced the most significant month over month growth in November, adding another 600 daily flights on average with smaller increases seen in the Middle East and South America. This was offset by a drop in daily flight averages of over 11,000 flights daily in Europe, North America and the North Atlantic between late October and late November.

## 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 20-Nov-2022	7,400 9,700	+31%	6,100 6,100	0%
North America	1-Jan2020 20-Nov-2022	67,400 68,800	+2%	38,000 44,300	+17%
Europe	1-Jan2020 20-Nov-2022	44,700 41,900	-6%	24,900 25,700	+3%
South America	1-Jan2020 20-Nov-2022	10,700 10,900	+2%	5,800 6,400	+10%
Asia	1-Jan2020 20-Nov-2022	74,900 53,800	-28%	35,000 23,200	-34%
Caribbean	1-Jan2020 20-Nov-2022	9,100 8,500	-7%	6,400 5,900	-8%
Africa	1-Jan2020 20-Nov-2022	4,200 4,400	+5%	1,800 2,000	+11%
North Atlantic	1-Jan2020 20-Nov-2022	6,800 6,100	-10%	2,300 2,100	-9%

## 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.

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## 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](https://canso.org).

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## 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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