

# CANSO ATM Traffic Analysis Report

11 September 2020

## Growth in global traffic continues to level off

- The average number of daily flights for the weeks of 23 August and 30 August, 2020 were 73,700 and 74,500 respectively. This represents a decline of 34% from the comparable global daily average in August 2019 when over 113,300 flights operated daily.
- Average daily flight hours for the weeks of 23 August and 30 August, 2020 were 153,300 and 154,600 respectively. That remains 32% less than average global daily flight hours the year prior, when over 228,000 flight hours occurred daily.

## Seasonality factors into comparisons

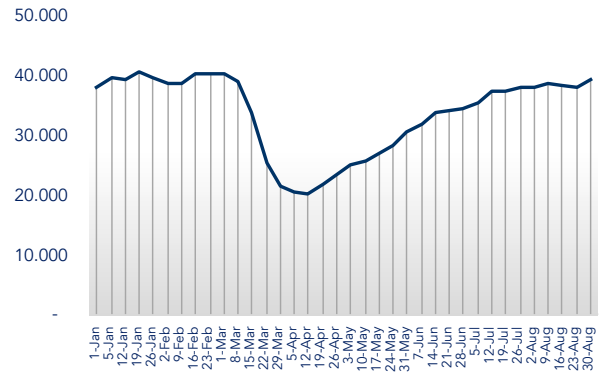
Year over year comparisons to 2019 traffic show continued recovery in late August and September, with global traffic as measured by the number of flights now down only 34% from 2019 levels.

However, what appears to be continued growth in traffic is largely flat traffic levels being compared to what are traditionally slightly lower traffic levels in late August-early September, as vacation season ends in the northern hemisphere and school returns. The average number of global flights per day is roughly the same as the week of 9 August.

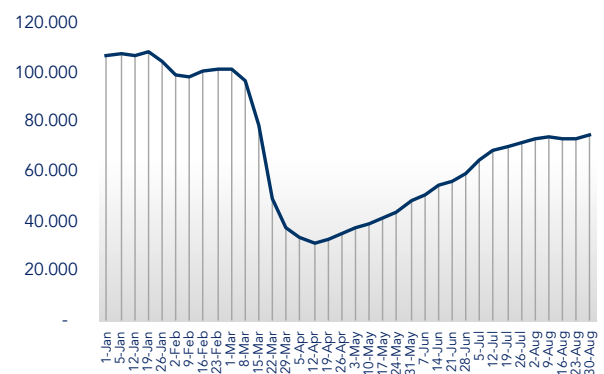
Since the low point in mid-April, the number of global flights has grown by 135% while global flight hours have grown by 120%.

As we progress further into autumn it will be interesting to see to what extent any seasonal reduction in flight activity is felt in traffic, or whether continued recovery will drive growth in existing traffic levels.

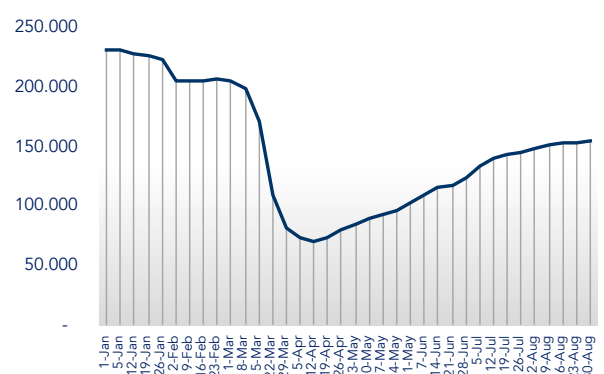
### Average unique aircraft



### Average global flights

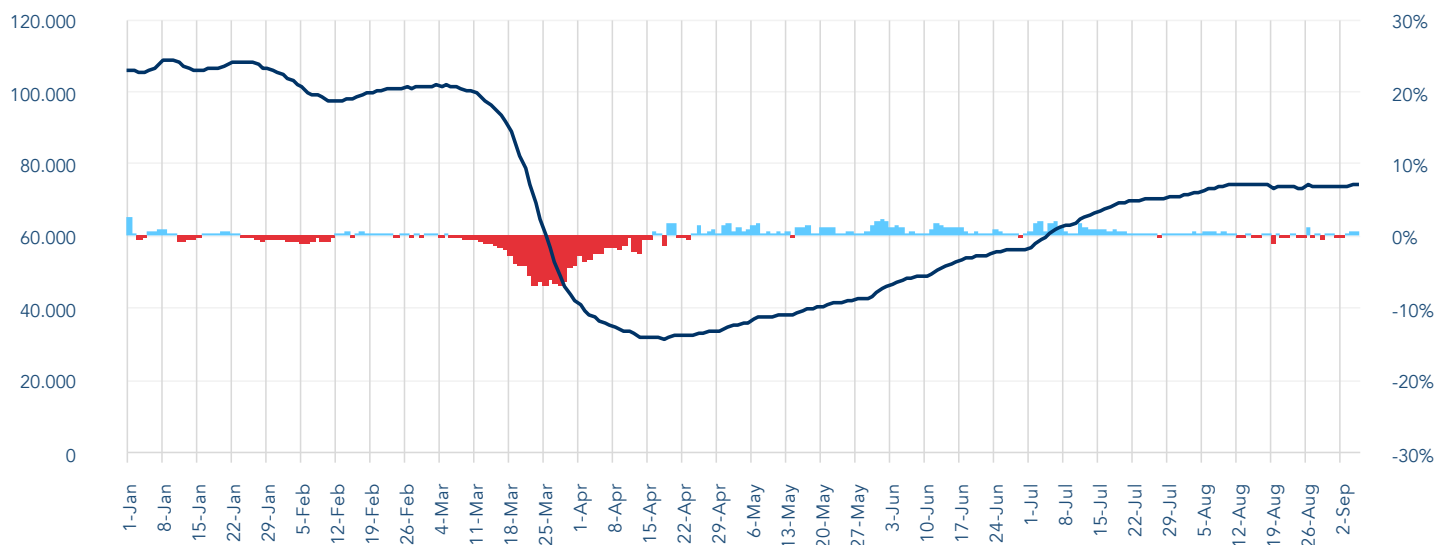


### Average global flight hours



# Global daily flights variation

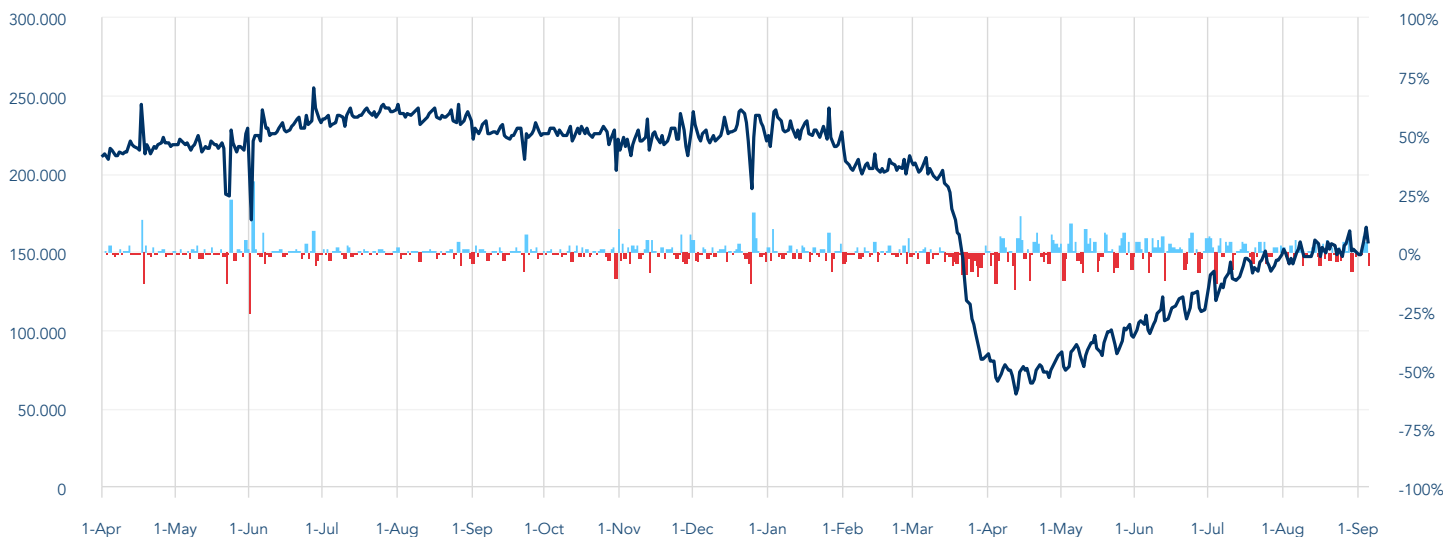
## Rolling 7-day average of daily flights



Average daily flight levels have gained 135% on the low point experienced in mid-April. However, a slowing of the growth rate in average daily flight levels that began in mid-July became a relative flattening of growth in mid-August.

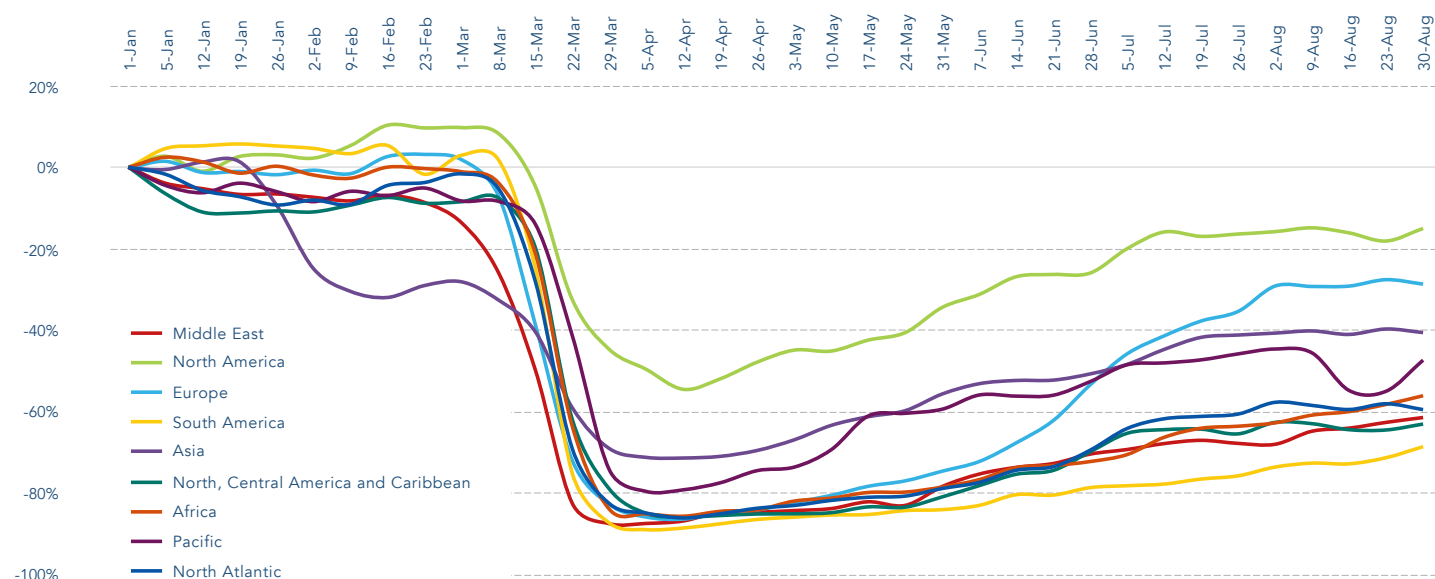
## Daily flight hours

### Flight hours since April 2019 with percentage of day-to-day variability



Daily flight hours, an important metric of ATM workload, exceeded 166,000 hours globally on 4 September, 2020. That represents the highest level of daily flight hours in over 19 weeks.

## Percent change in movements by region



Several regions are experiencing some variability in their traffic growth as the pandemic causes some states to re-impose traffic restrictions or quarantine measures on travellers. Rapid growth in Europe experienced in June and July has flattened, while Pacific traffic experienced an almost 10% swing in traffic figures, only to recover much of the loss in the last week of August. South America remains the most significantly off of its normal volumes, with traffic down 69% from volumes at the beginning of the year. However, both South America and the Middle East added an average of 200 additional daily flights in the past two weeks.

## Average daily flight hours and average daily movements by region

	Dates	Average daily flight hours	Percent change	Average daily movements	Percent change
<b>Middle East</b>	01 Jan 2020 30 Aug 2020	7,400 3,600	51%	6,100 2,400	61%
<b>North America</b>	01 Jan 2020 30 Aug 2020	67,400 58,300	14%	38,000 32,300	15%
<b>Europe</b>	01 Jan 2020 30 Aug 2020	44,700 31,800	29%	24,900 17,800	29%
<b>South America</b>	01 Jan 2020 30 Aug 2020	10,700 3,600	66%	5,800 1,800	69%
<b>Asia</b>	01 Jan 2020 30 Aug 2020	74,900 43,000	43%	35,000 20,800	41%
<b>Caribbean</b>	01 Jan 2020 30 Aug 2020	9,100 3,500	62%	6,400 2,300	64%
<b>Africa</b>	01 Jan 2020 30 Aug 2020	4,200 2,900	31%	1,800 800	56%
<b>North Atlantic</b>	01 Jan 2020 30 Aug 2020	6,800 2,400	65%	2,300 900	61%

## About the ATM report

The ATM Report is issued bi-weekly 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 includes 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 (CANSO) is the global voice of air traffic management. CANSO 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).

## 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. For more information, please visit [aireon.com](https://aireon.com).

