

CANSO ATM Traffic Analysis Report

20 May 2020

Continued increases seen in global air traffic volumes

- The average number of flights daily for the weeks of 4 May and 11 May, 2020 were 37,700 and 39,200 respectively. This represents a decline of 62% from the comparable global daily average in April 2019 when over 104,000 flights operated daily.
- The impact on global flight hours was similar, with average daily flight hours for the weeks of 4 May and 11 May, 2020 of 84,500 and 88,700 respectively. That is 60% less than average global daily flight hours the year prior when almost 220,000 flight hours were operated daily.

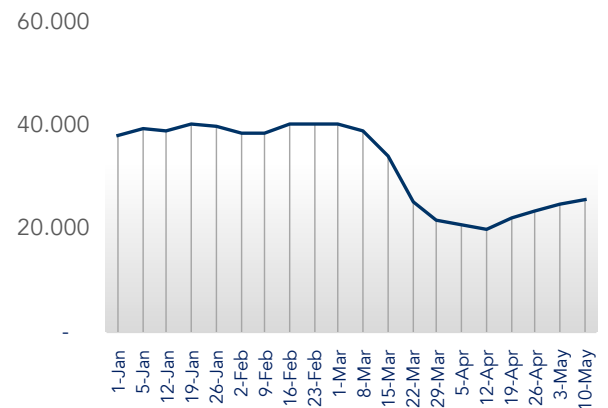
Signs that some aircraft are coming back into service

While global traffic levels remain extremely low, we are now in the fourth straight week of increases in average daily flights and flight hours, spurring some cautious optimism. Signs of increasing domestic travel in specific regions are spurring the increase in overall numbers, as international travel remains highly restricted.

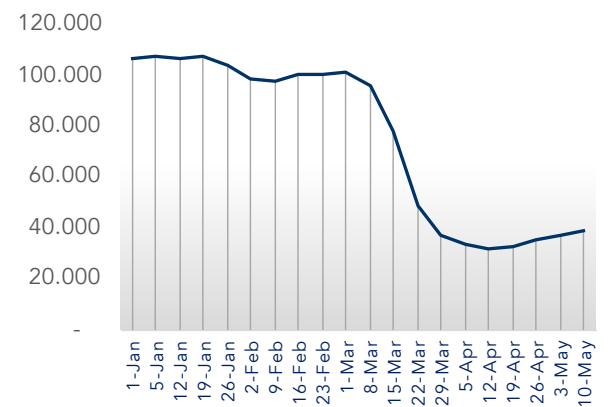
Global surveillance data shows that for the week of 11 May an average of 25,700 unique aircraft were operating daily. That number represents a 28% increase on the number of aircraft flying daily four weeks earlier. However it remains approximately 11,300 fewer unique aircraft than were flying on an average day in May 2019, for a year over year reduction of 30%.

Average daily flights during the week of 11 May were up 24% and average daily flight hours showed an improvement of 21% over four weeks earlier when traffic levels appeared to hit their lowest point.

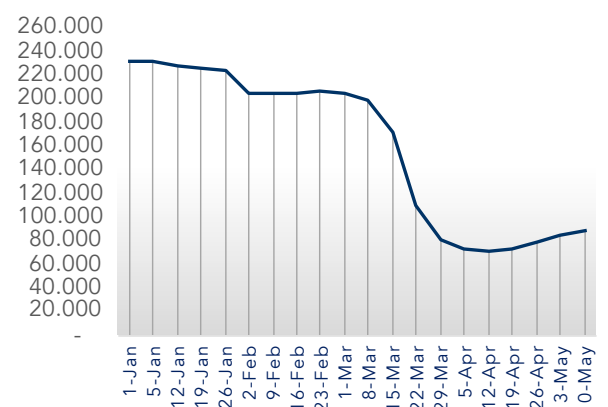
Average unique aircraft



Average global flights

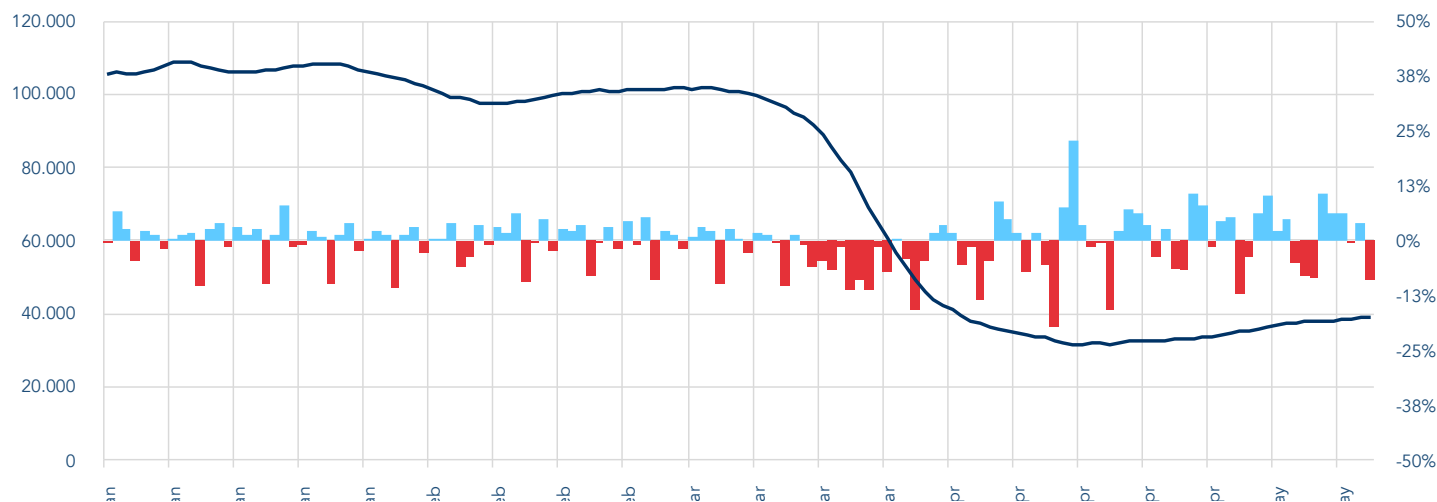


Average global flight hours



Global daily flights variation

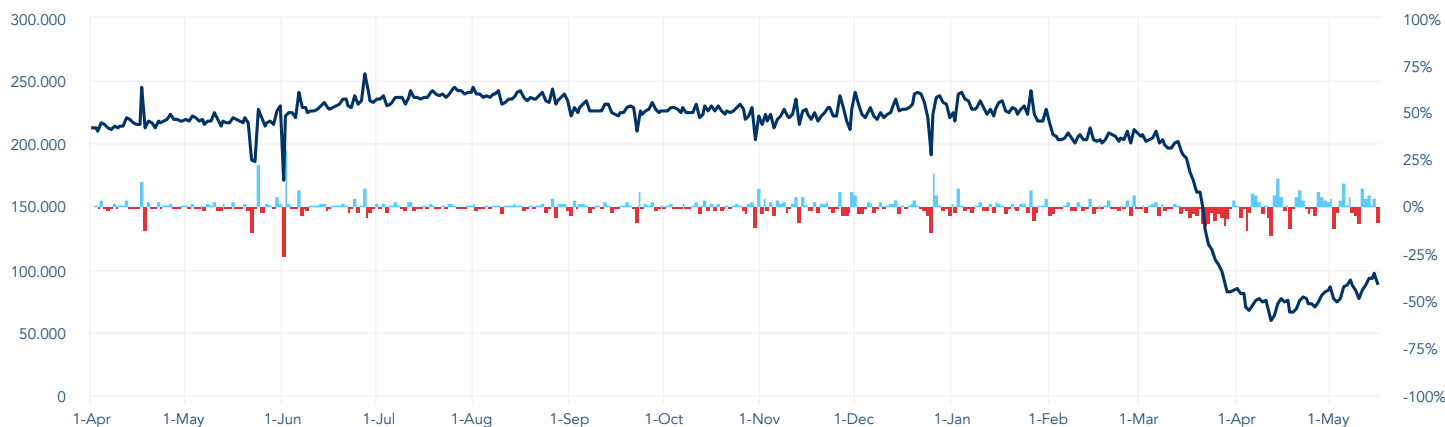
Rolling 7-day average of daily flights



As we enter into the eighth week of severely reduced global traffic levels, the impact on the aviation industry in the form of lost traffic is staggering. Over a half a million flights never occurred, impacting all players in a heavily interconnected industry. Irrespective of the pace of recovery that might follow, that loss will have repercussions.

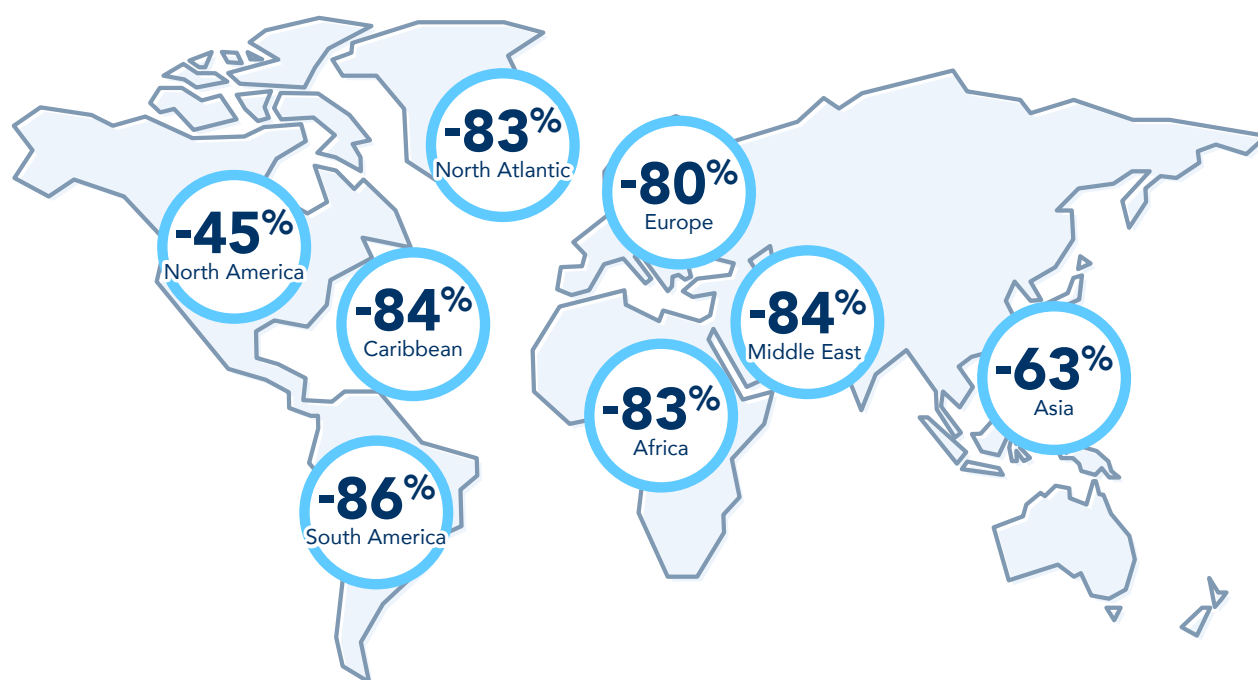
Daily flight hours

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



For the ATM industry, global flight hours remains an important metric of activity and workload. Daily flight hours, which normally show some seasonal variation between 210,000 and 250,000 flight hours daily, were 96,900 on 15 May 2020. This represents the highest daily total since they experienced their lowest point of 59,800 global flight hours on 12 April, 2020.

Regional traffic brief



Most regions experienced improvements in the average number of flights per day over the previous two week period. The number of daily flights in South America, Africa and the North Atlantic remain largely unchanged.

Traffic volumes in Asia saw the largest increase with an additional 2,100 flights per day on average above what the region experienced the week of 19 April, 2020. Europe saw an additional 900 flights per day on average added to their airspace, but remained 80% lower than daily averages in January.

Average daily flight hours and average daily movements by region

	Dates	Average daily flight hours	Percent change	Average daily movements	Percent change
Middle East	01 Jan 2020 10 May 2020	7,400 1,700	77%	6,100 1,000	84%
North America	01 Jan 2020 10 May 2020	67,400 36,700	46%	38,000 20,800	45%
Europe	01 Jan 2020 10 May 2020	44,700 11,000	75%	24,900 4,900	80%
South America	01 Jan 2020 10 May 2020	10,700 2,100	80%	5,800 800	86%
Asia	01 Jan 2020 10 May 2020	74,900 27,800	63%	35,000 12,800	63%
Caribbean	01 Jan 2020 10 May 2020	9,100 1,500	84%	6,400 1,000	84%
Africa	01 Jan 2020 10 May 2020	4,200 1,300	69%	1,800 300	83%
North Atlantic	01 Jan 2020 10 May 2020	6,800 1,200	82%	2,300 400	83%

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 is the global voice of air traffic management. CANSO's 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://www.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://www.aireon.com).

