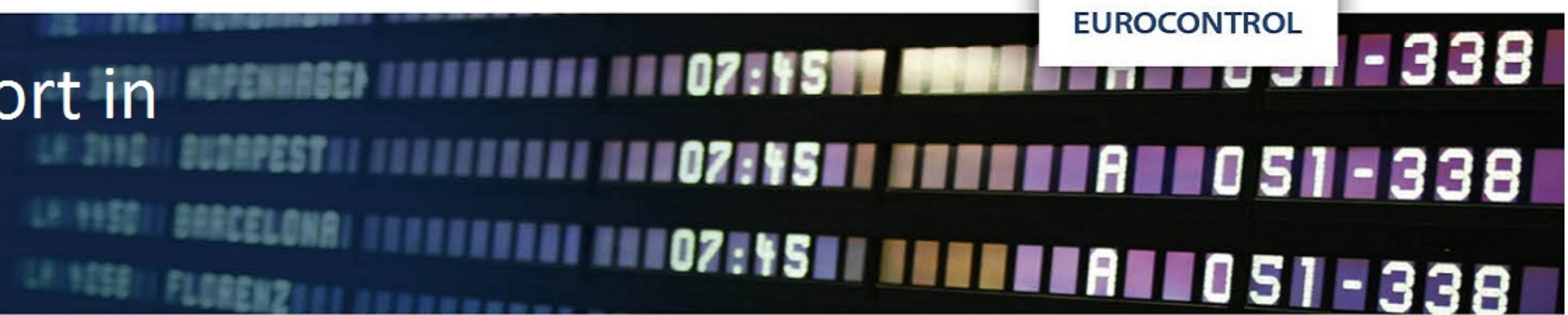




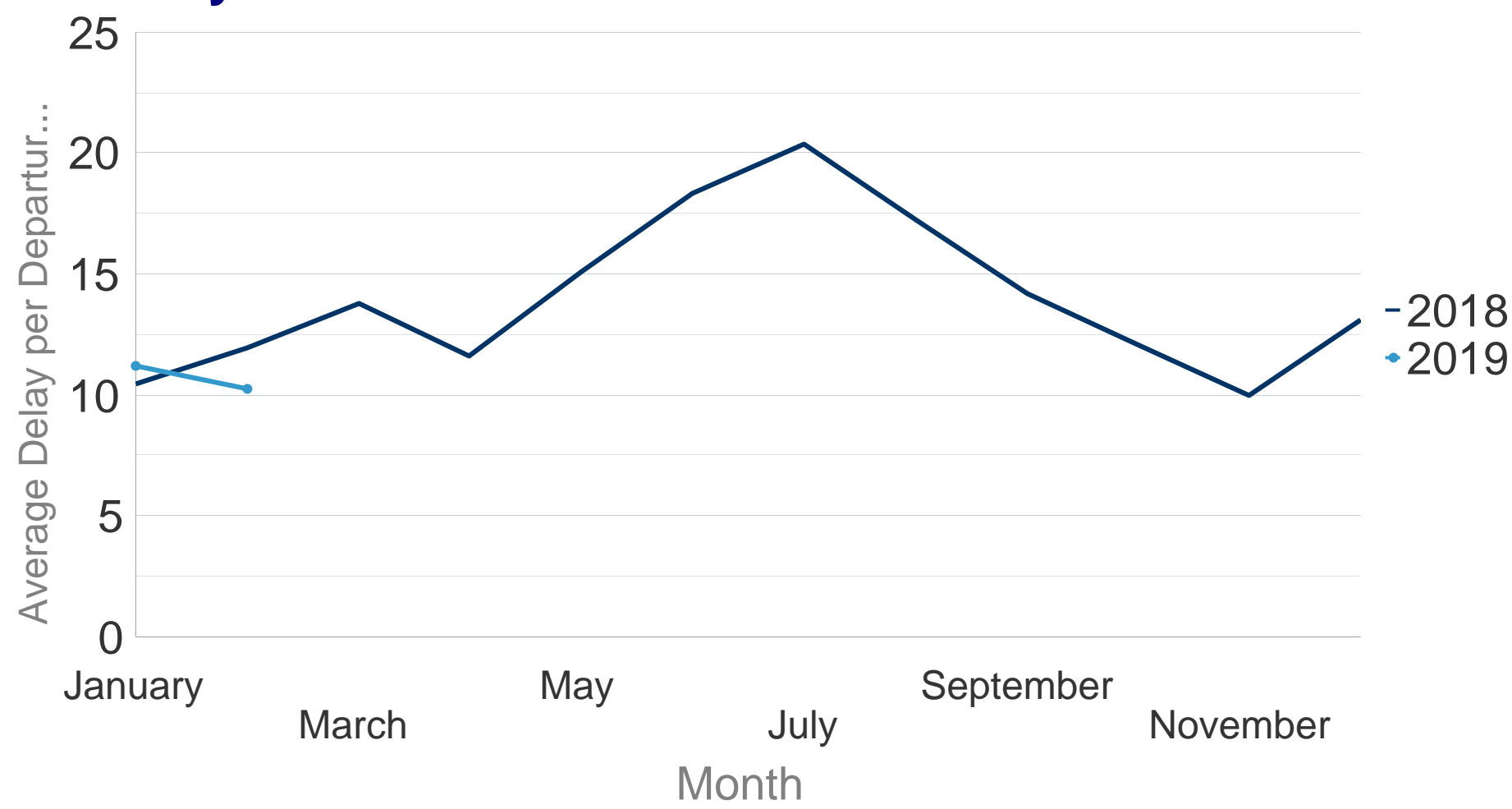
# All-Causes Delay to Air Transport in Europe



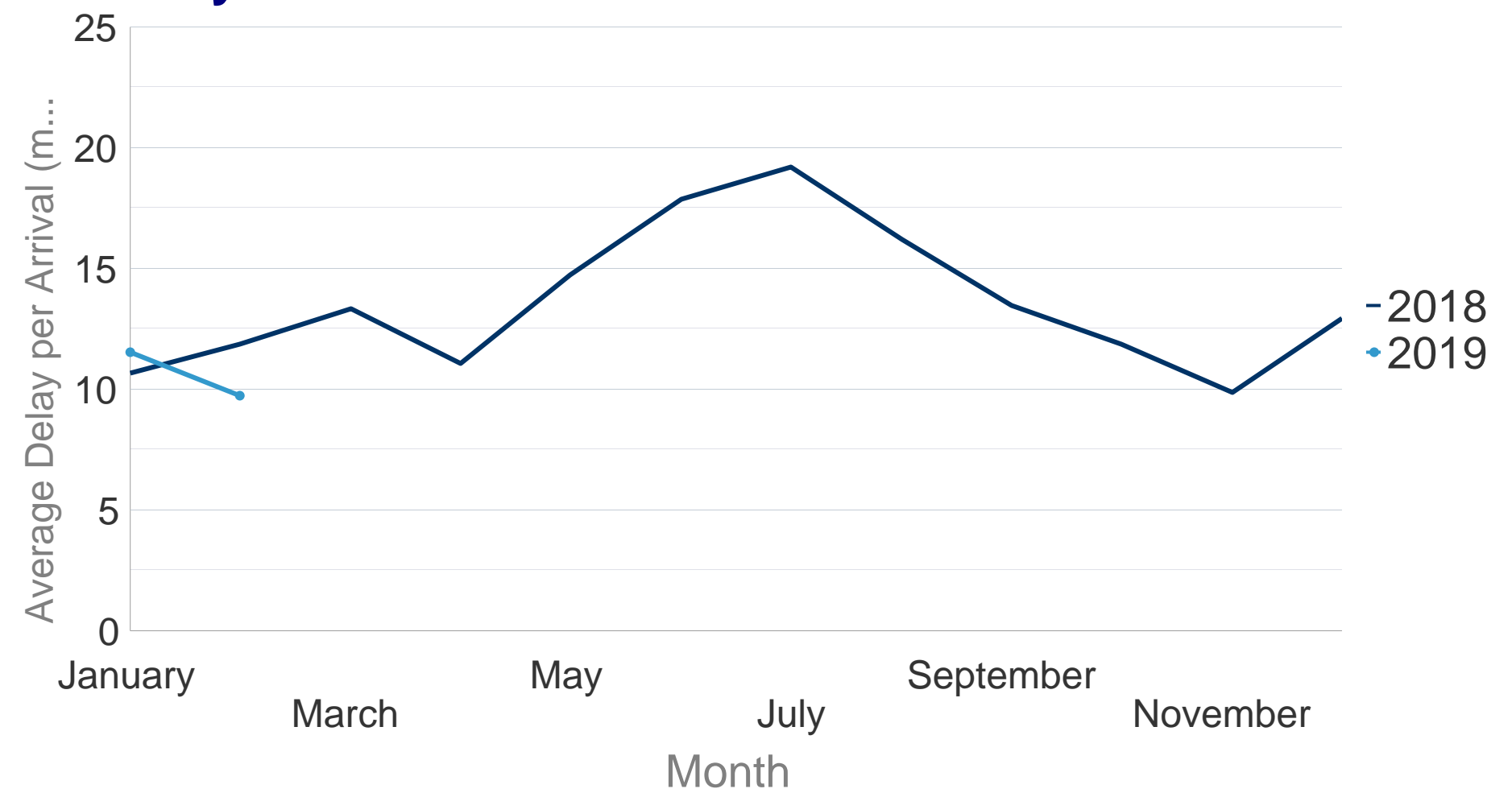
## February 2019

In February, an industrial action at Hamburg (04 February) and Düsseldorf airport (07 February) impacted their respective operations. The Belgian ATC industrial action on 13 February generated en-route ATFM delay and NM estimates that 835 flights did not operate to/from Belgian airports and approximately 1,340 fewer flights did not operate through Brussels ACC. The volcanic ash cloud due to the eruption of Mt. Etna generated ATFM delay at Catania airport from 17 to 22 February. Low visibility and strong winds impacted operations at London Heathrow, London Gatwick, Istanbul Atatürk and Amsterdam Schiphol.

**Average Delay per Flight on Departure (mins) for February 2019**



**Average Delay per Flight on Arrival (mins) for February 2019**



In February 2019 the average delay per flight on departure was 10.3 minutes per flight.

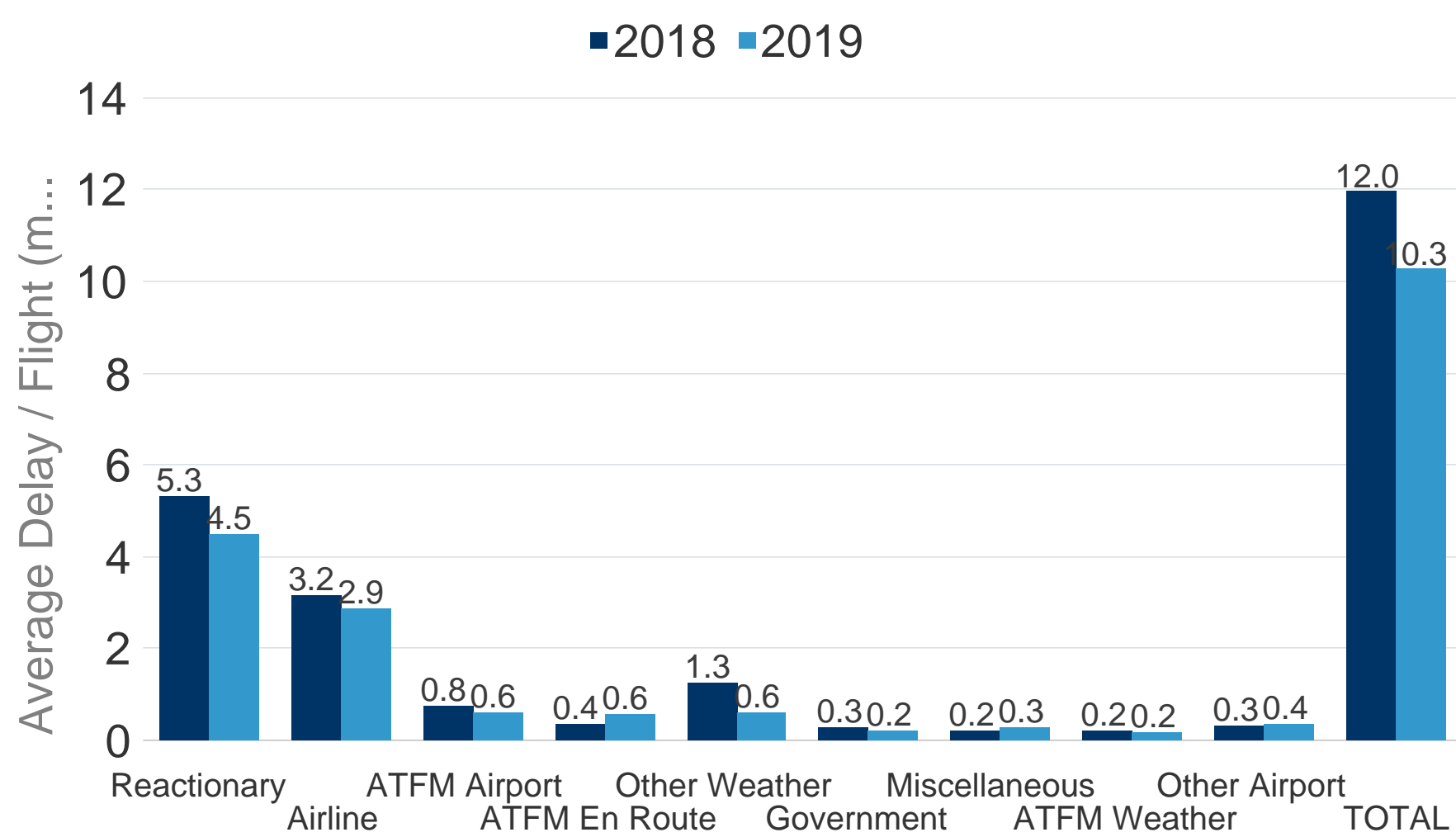
This was a **decrease** of 1.7 minutes per flight when compared to February 2018 where the average delay per flight was 12.0 minutes.

In February 2019 the average delay per flight on arrival was 9.7 minutes per flight.

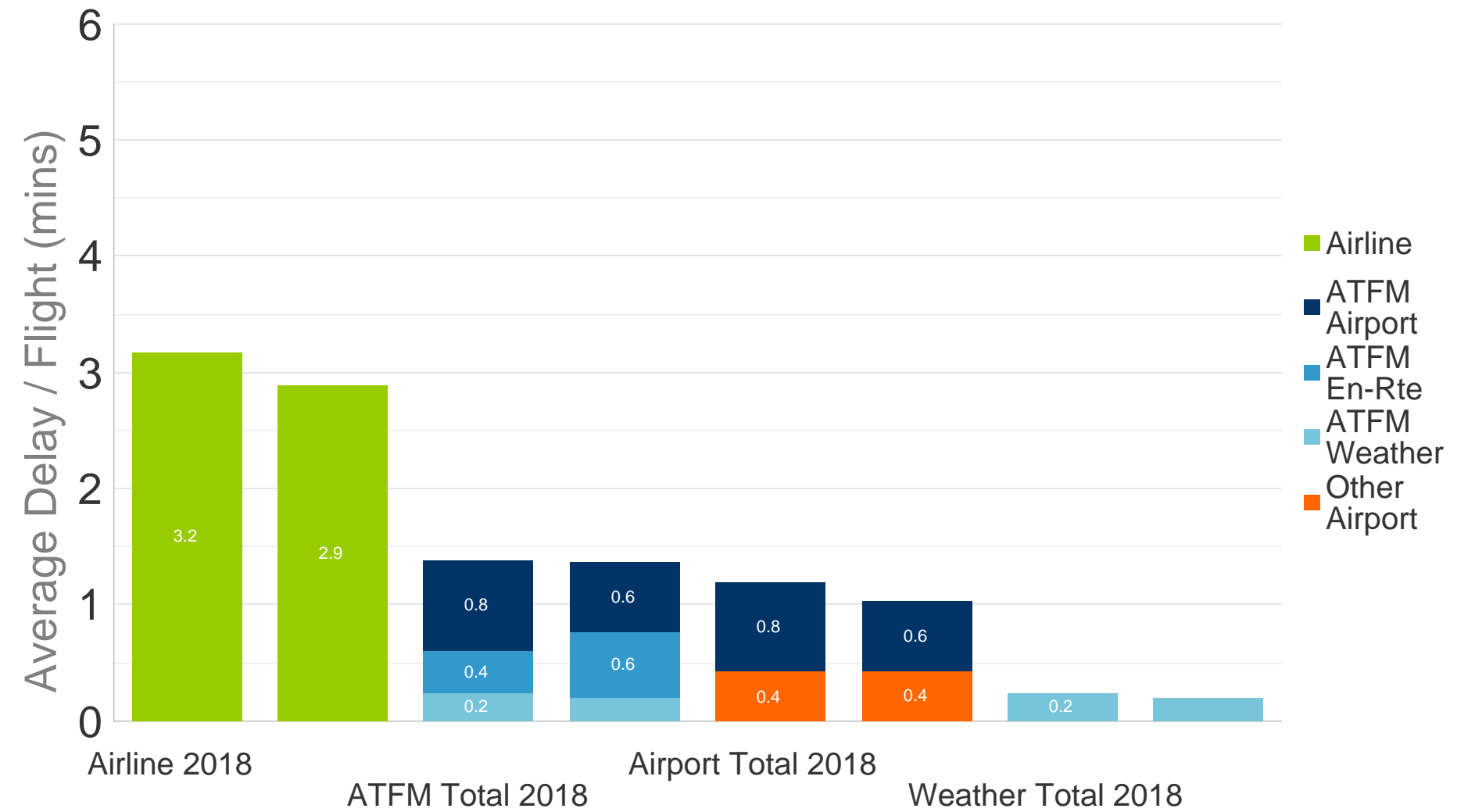
This was a **decrease** of 2.1 minutes per flight when compared to February 2018 where the average delay per flight was 11.9 minutes.

Further analysis of the delay causes shows that reactionary delay contributed 4.5 minutes to the average delay per flight in February 2019.

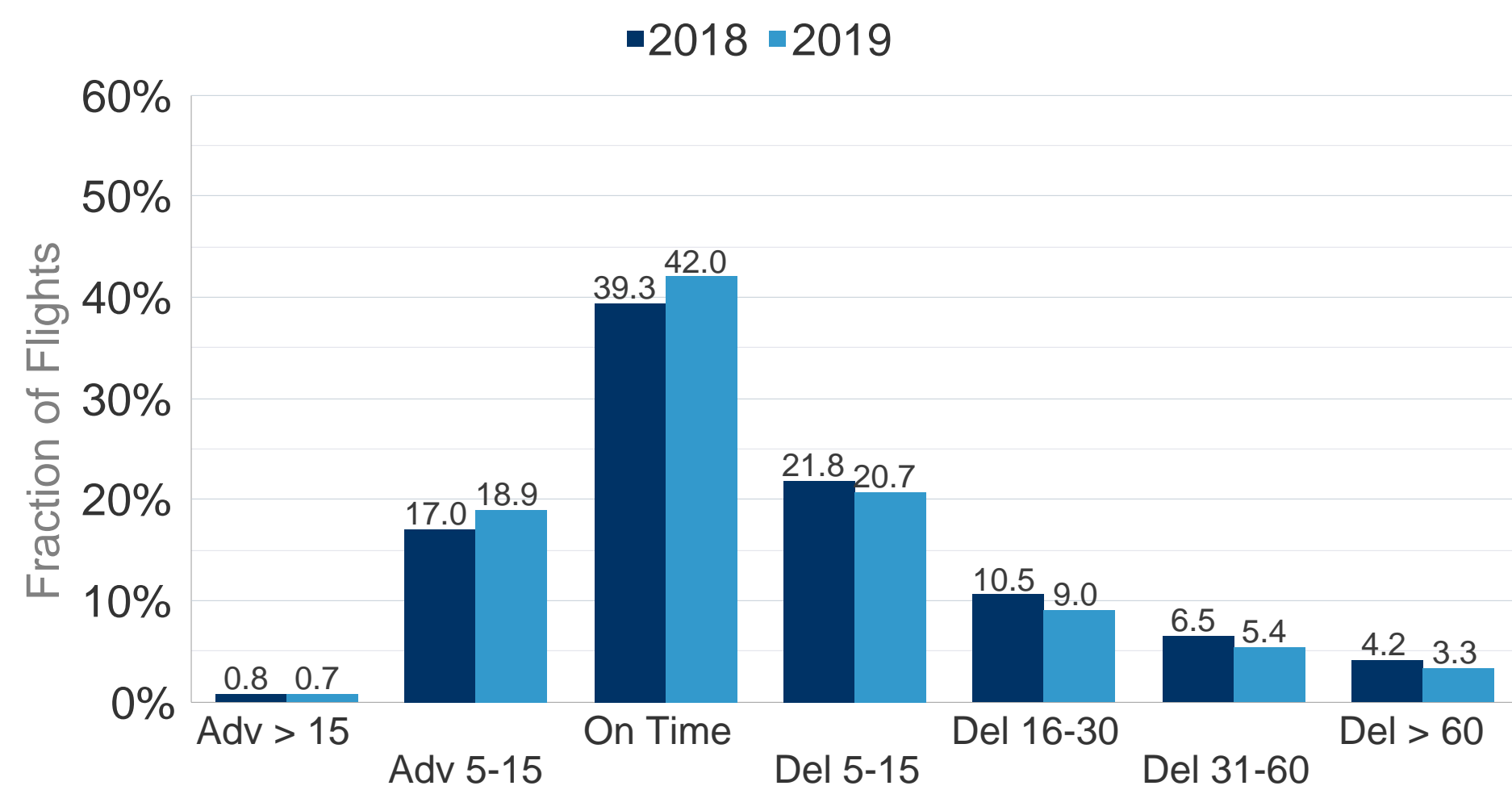
**Primary Departure Delay Causes for February 2019**



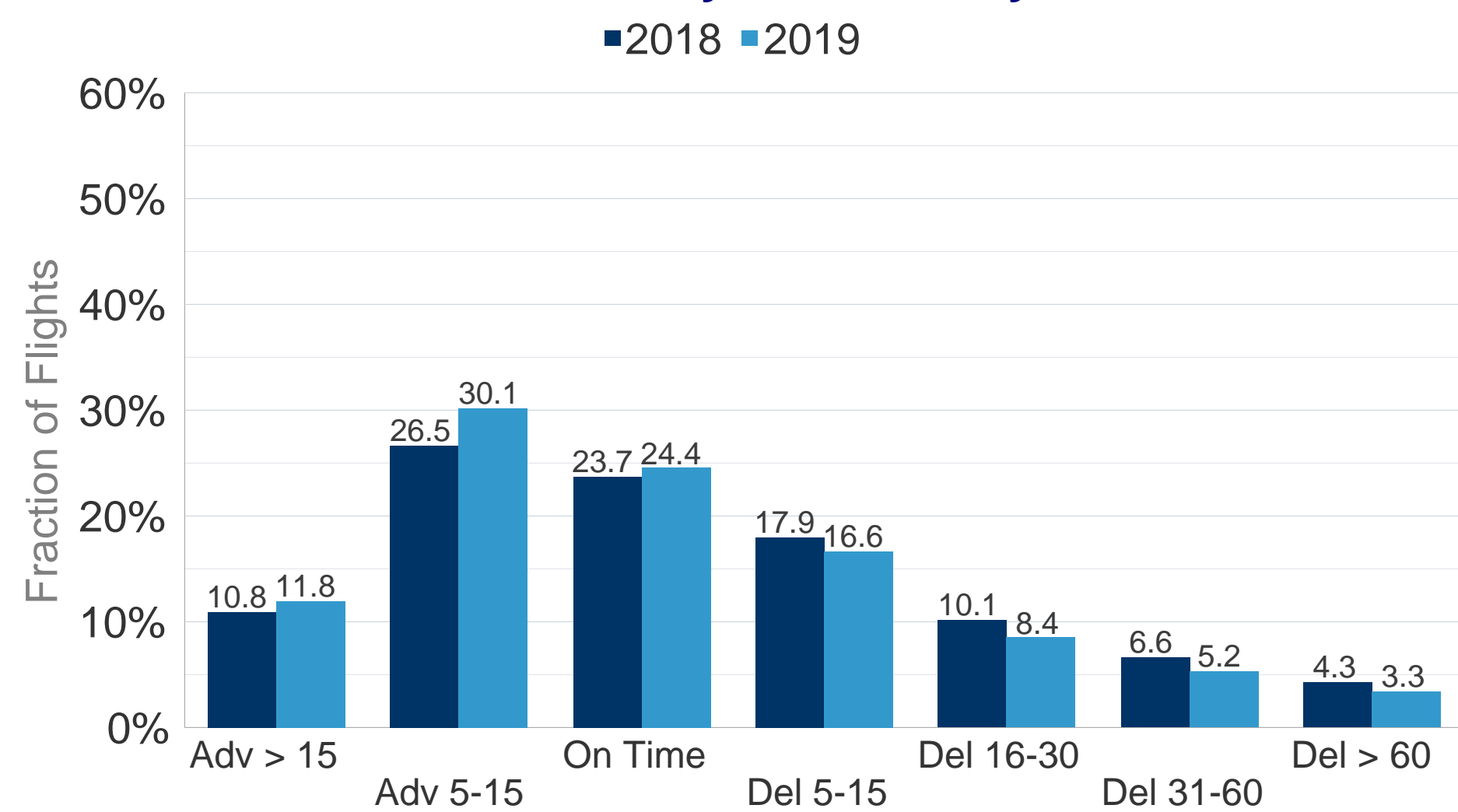
**Airline-reported all-cause delay for February 2019**



## All Causes Departure Punctuality for February 2019



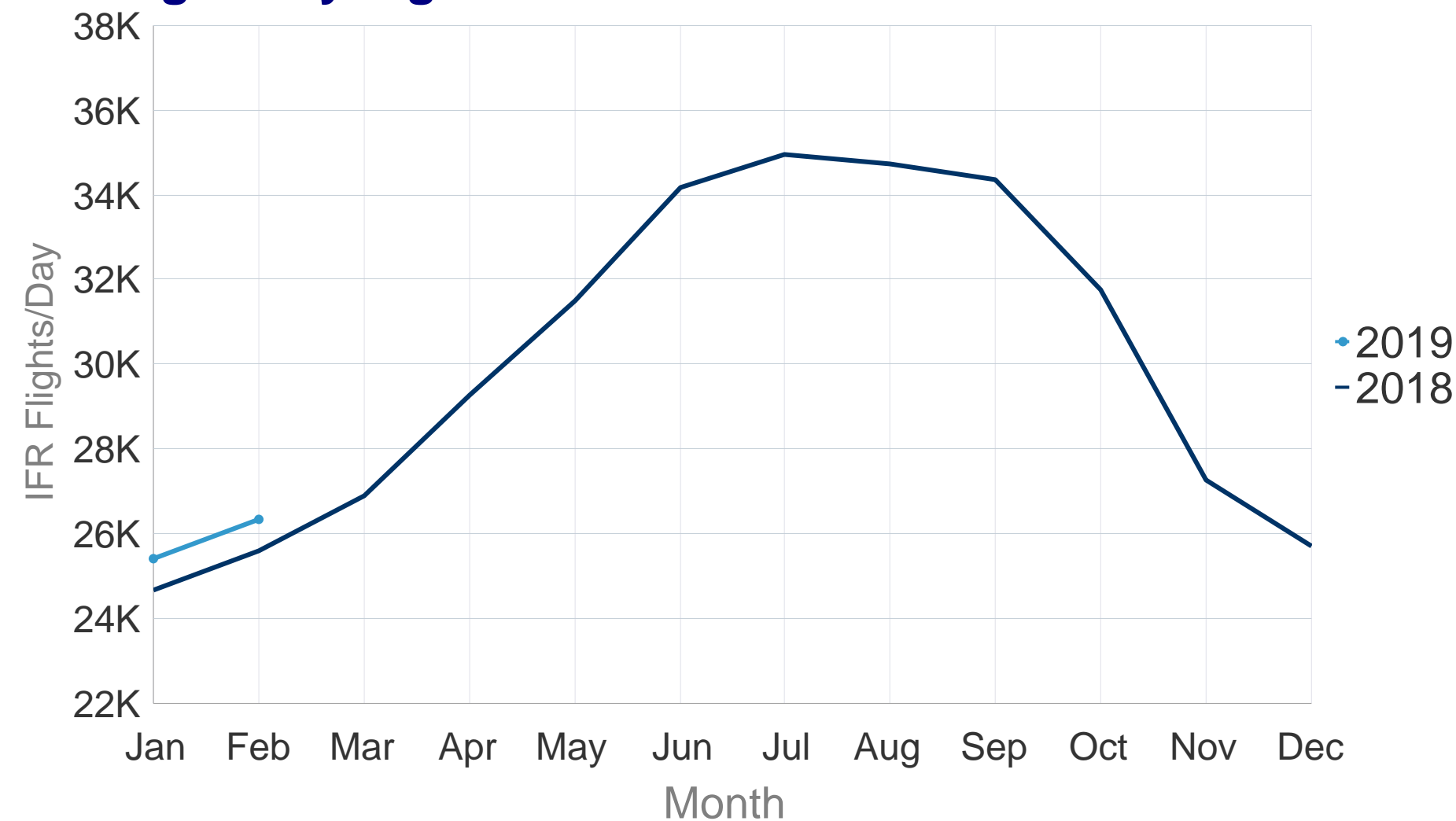
## All Causes Arrival Punctuality for February 2019



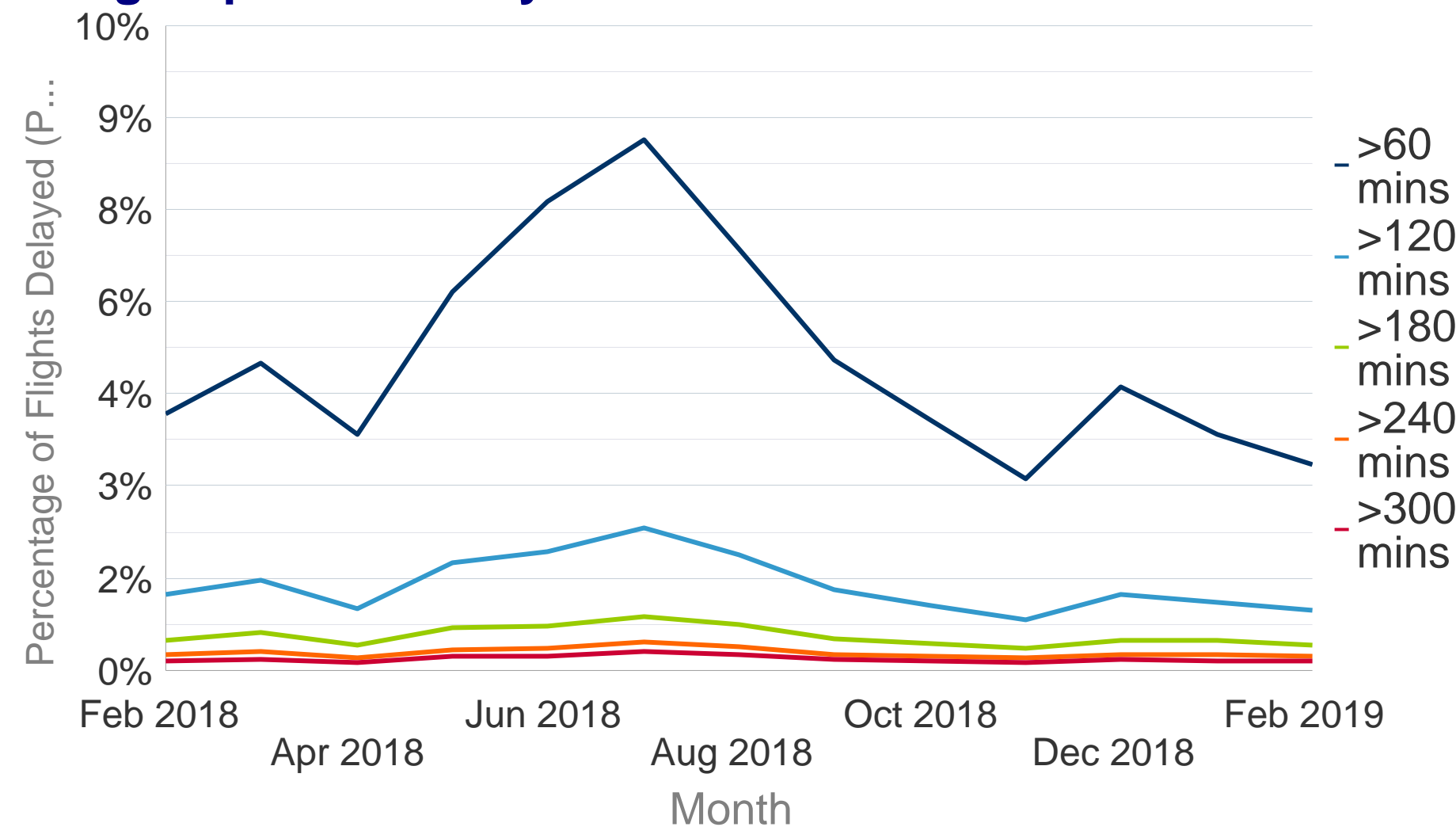
In February 2019, 42.0% of the flights departed within the 5 minutes threshold before or after the scheduled departure time (STD); **an increase** of 2.7 points from 39.3% compared to previous year. Flights delayed >30 minutes from all-causes **decreased** from 10.6% to 8.7%.

In February 2019, 24.4% of the flights arrived within the 5 minutes threshold before or after the scheduled arrival time (STA); **an increase** of 0.8 points from 23.7% compared to previous year. Flights delayed >30 minutes from all-causes **decreased** from 10.9% to 8.5%.

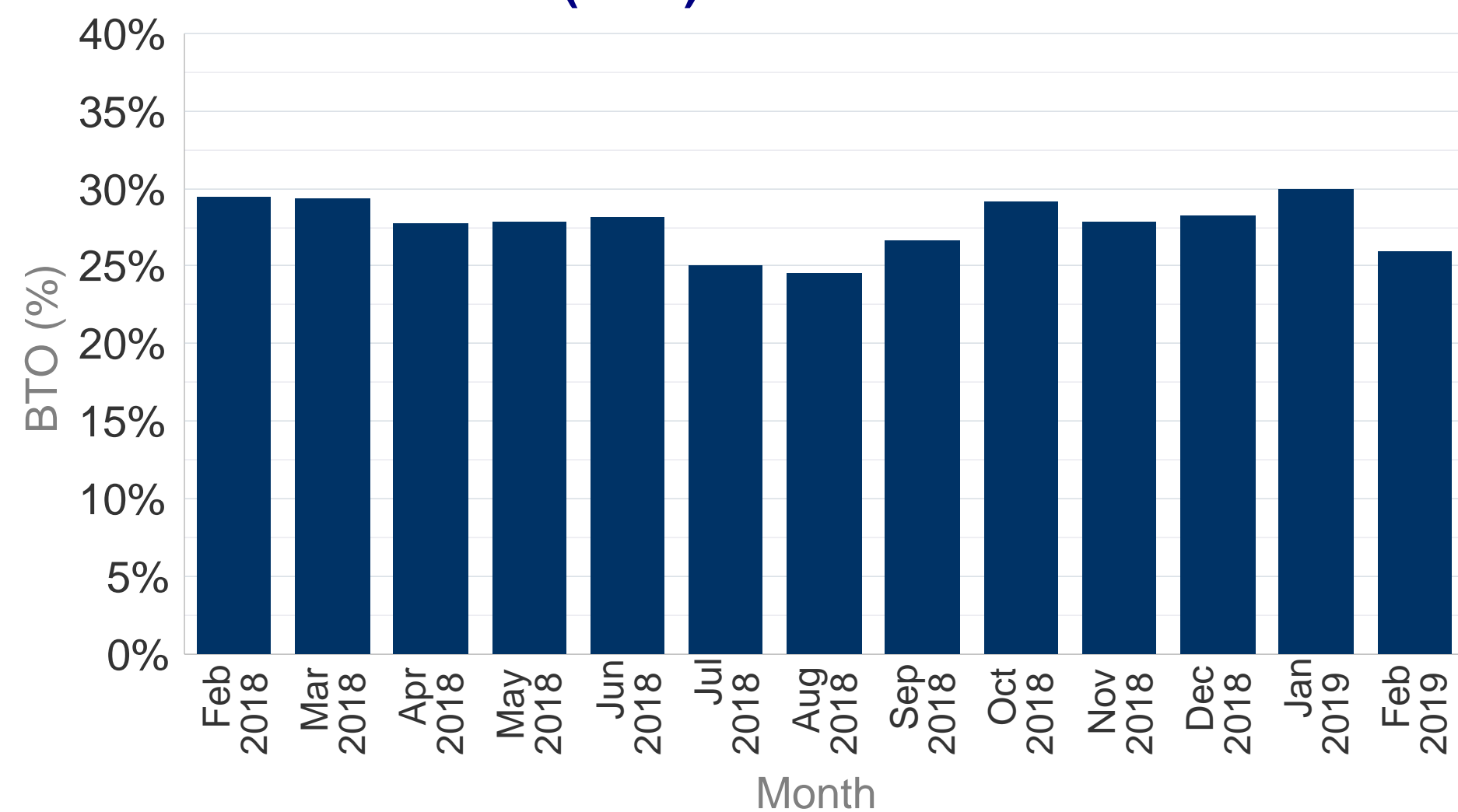
## Average daily flights for ECAC. All flows



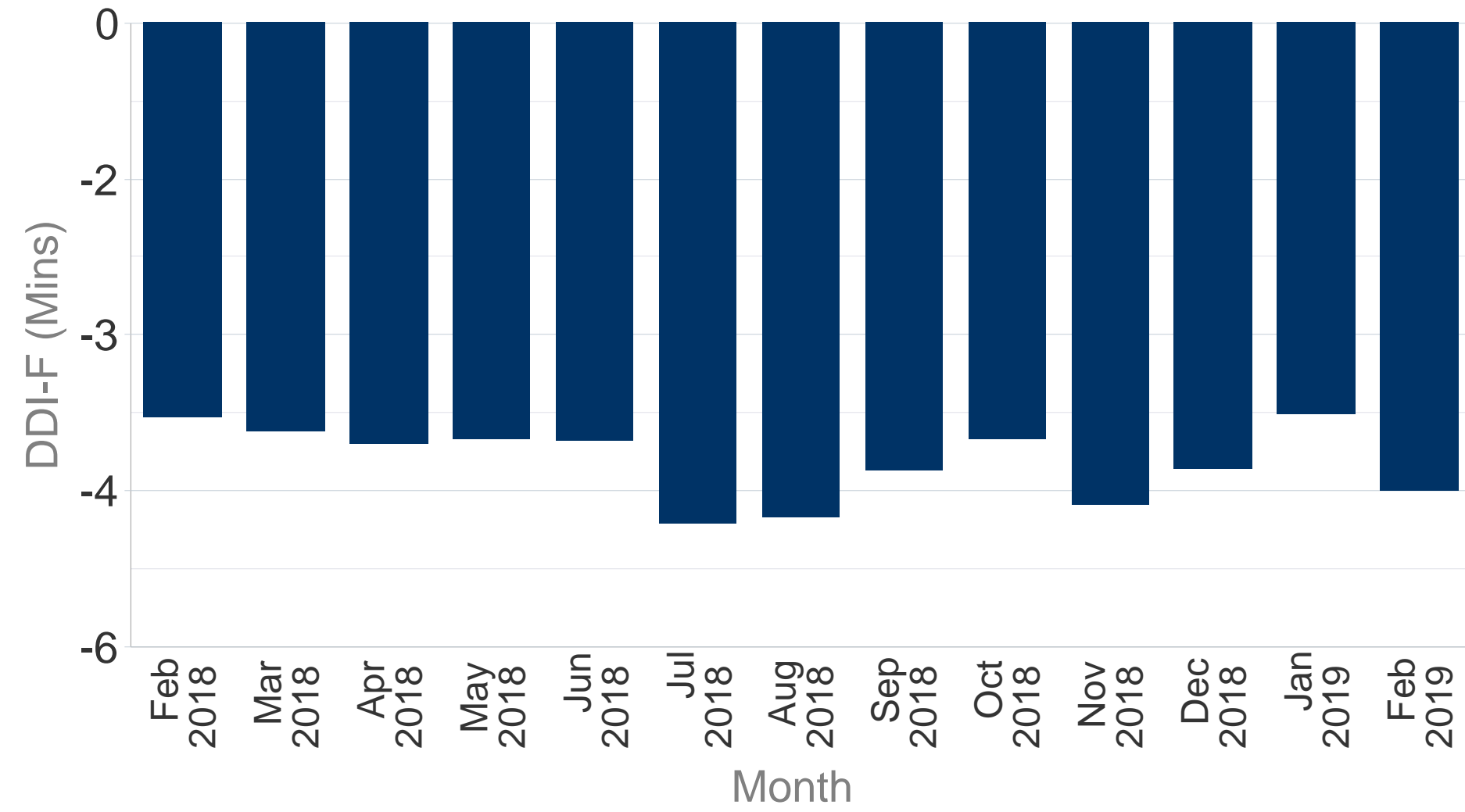
## Long Departure Delays All-Causes



## Block Time Overshoot (BTO)



## Delay Difference Indicator - Flight (DDI-F)



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