

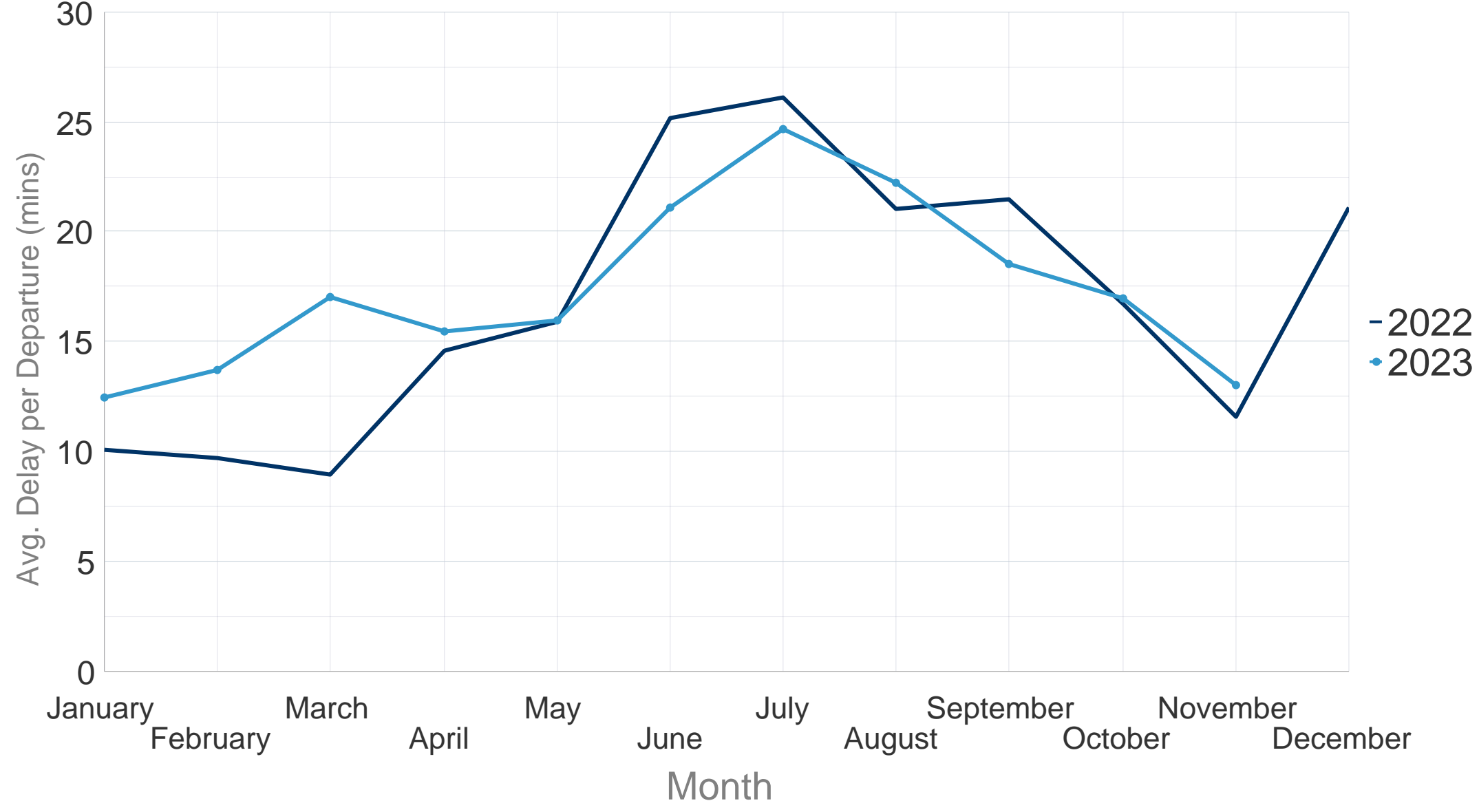
# All-Causes Delay to Air Transport in Europe



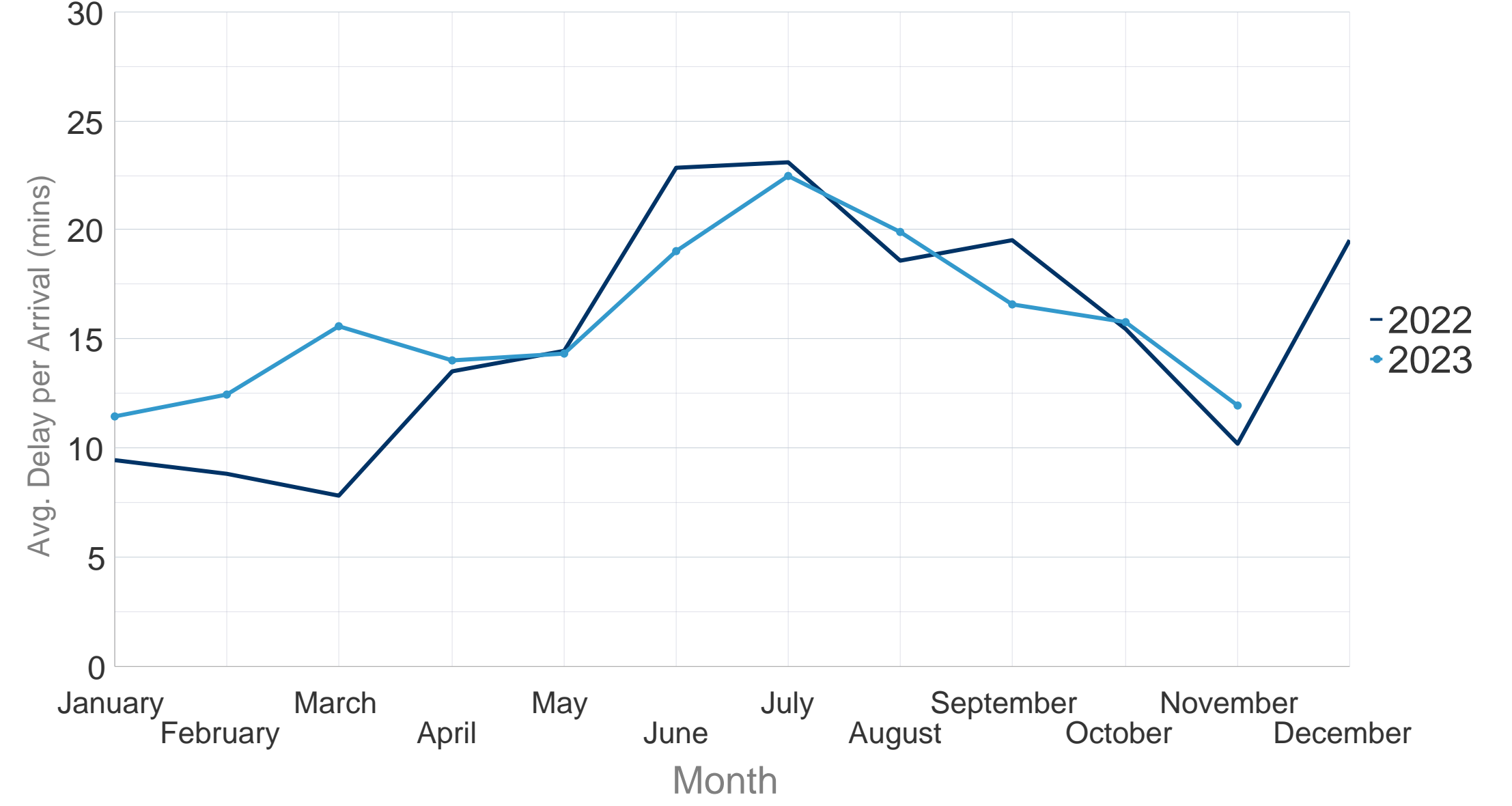
## November 2023

Total flights in November 2023 were up by 6.7% compared to November 2022. Ryanair was the busiest operator, followed by Turkish Airlines, Lufthansa, easyJet and Air France. Regarding airports Istanbul IGA was the busiest airport, followed by London Heathrow, Amsterdam Schiphol, Paris CDG and Amsterdam Schiphol. Looking at network delay, ATC capacity delays continue in Karlsruhe UAC, there was ATC industrial action in France between 19-21 November. Budapest ACC also saw en-route delays as additional demand is generated due to the Ukrainian crisis. Istanbul Sabiha Gokcen saw delays from weather notably on 11 November, airlines operating at the airport also suffered from high reactionary (knock-on) delays. Amsterdam Schiphol suffered from high amounts of seasonal weather (mainly low visibility as well as high winds) related delay throughout the month. Lisbon continues to suffer from systemic daily aerodrome capacity delays, this was also combined with weather (strong winds) with 17 November being a notably poor day. IGA Istanbul was impacted by weather notably on the 11 November, the high intensity operations at the airport can also see high volumes of reactionary delays, compared to other European airports where aircraft stop flying during the night.

### Average Delay per Flight on Departure (mins) - November 2023



### Average Delay per Flight on Arrival (mins) - November 2023

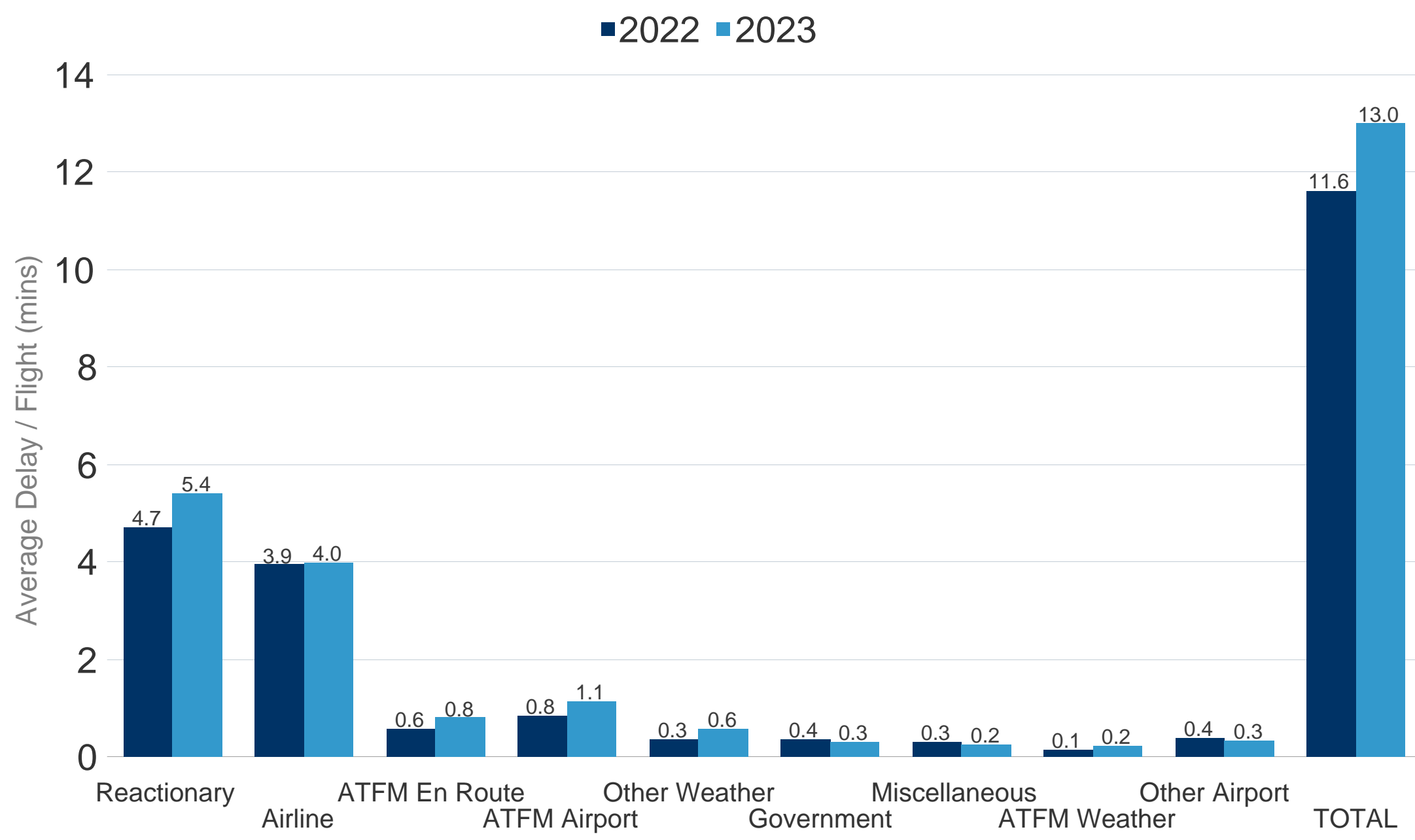


In November 2023 the average delay per flight on departure was 13.0 minutes per flight. This was an **increase** of 1.4 minutes per flight when compared to November 2022 where the average delay per flight was 11.6 minutes.

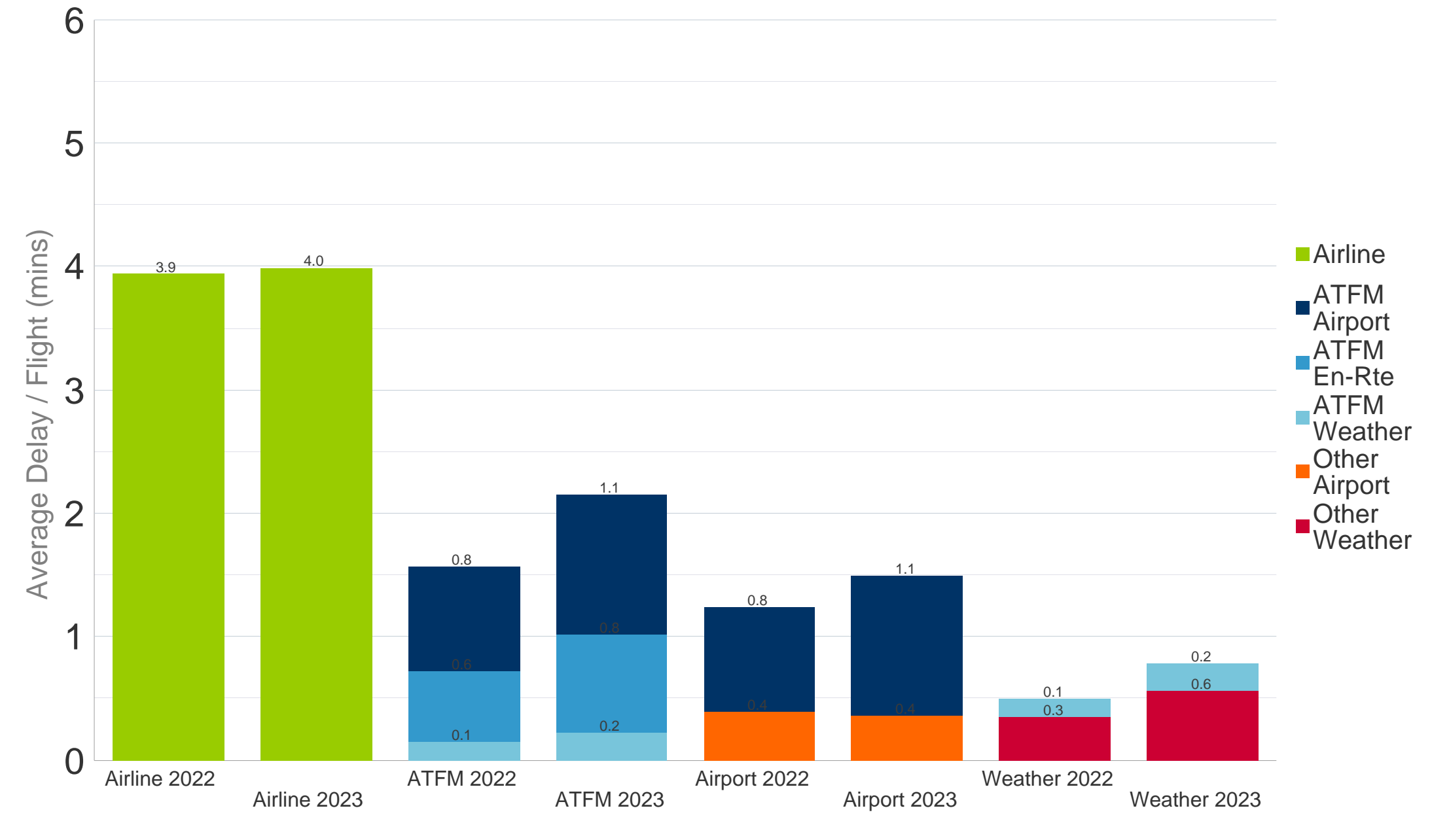
In November 2023 the average delay per flight on arrival was 12.0 minutes per flight. This was an **increase** of 1.8 minutes per flight when compared to November 2022 where the average delay per flight was 10.2 minutes.

Further analysis of the delay causes shows that reactionary delay contributed 5.4 minutes to the average delay per flight in November 2023.

### Departure Delay Causes - November 2023



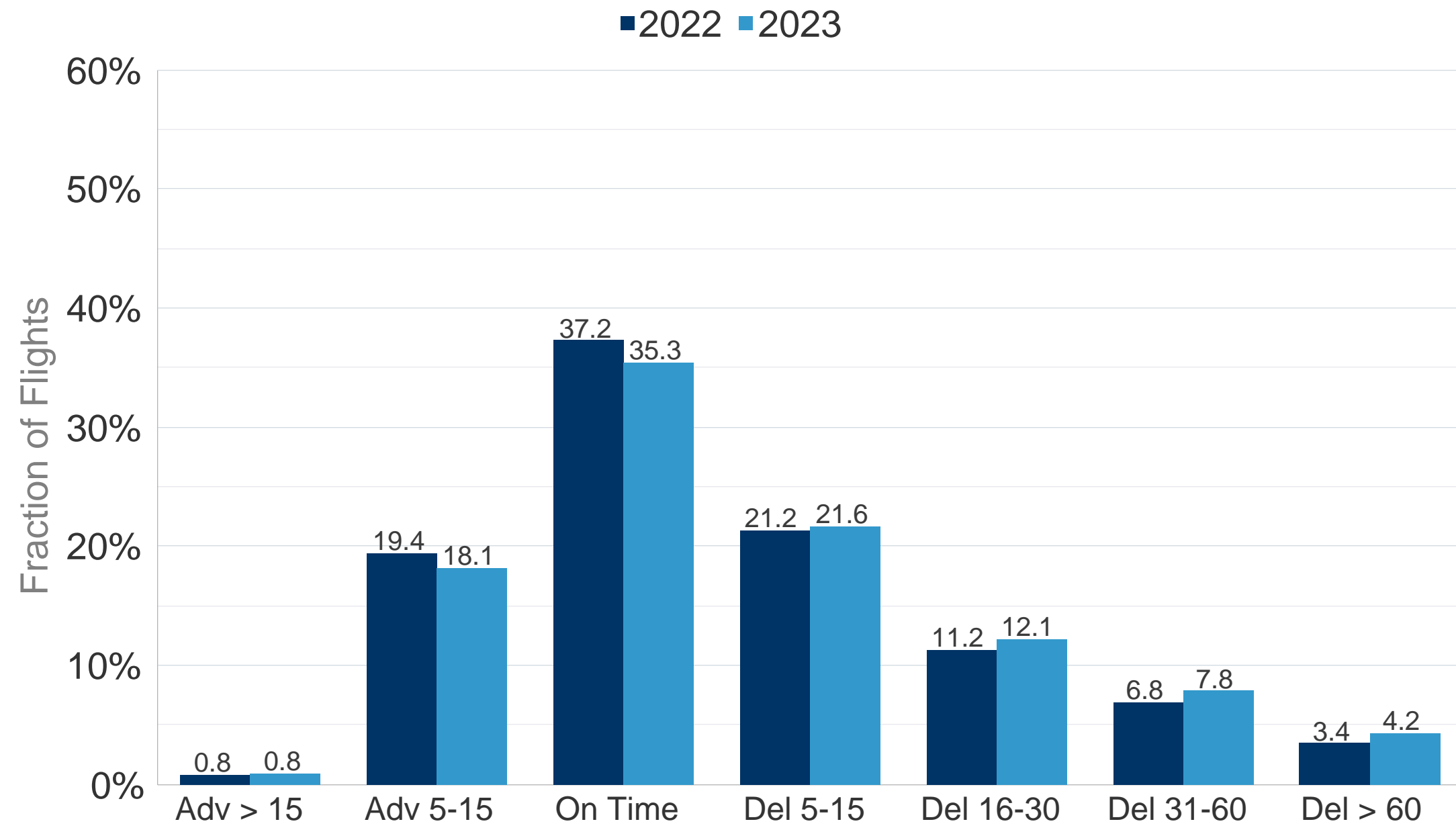
### Grouped Departure Delay Causes - November 2023



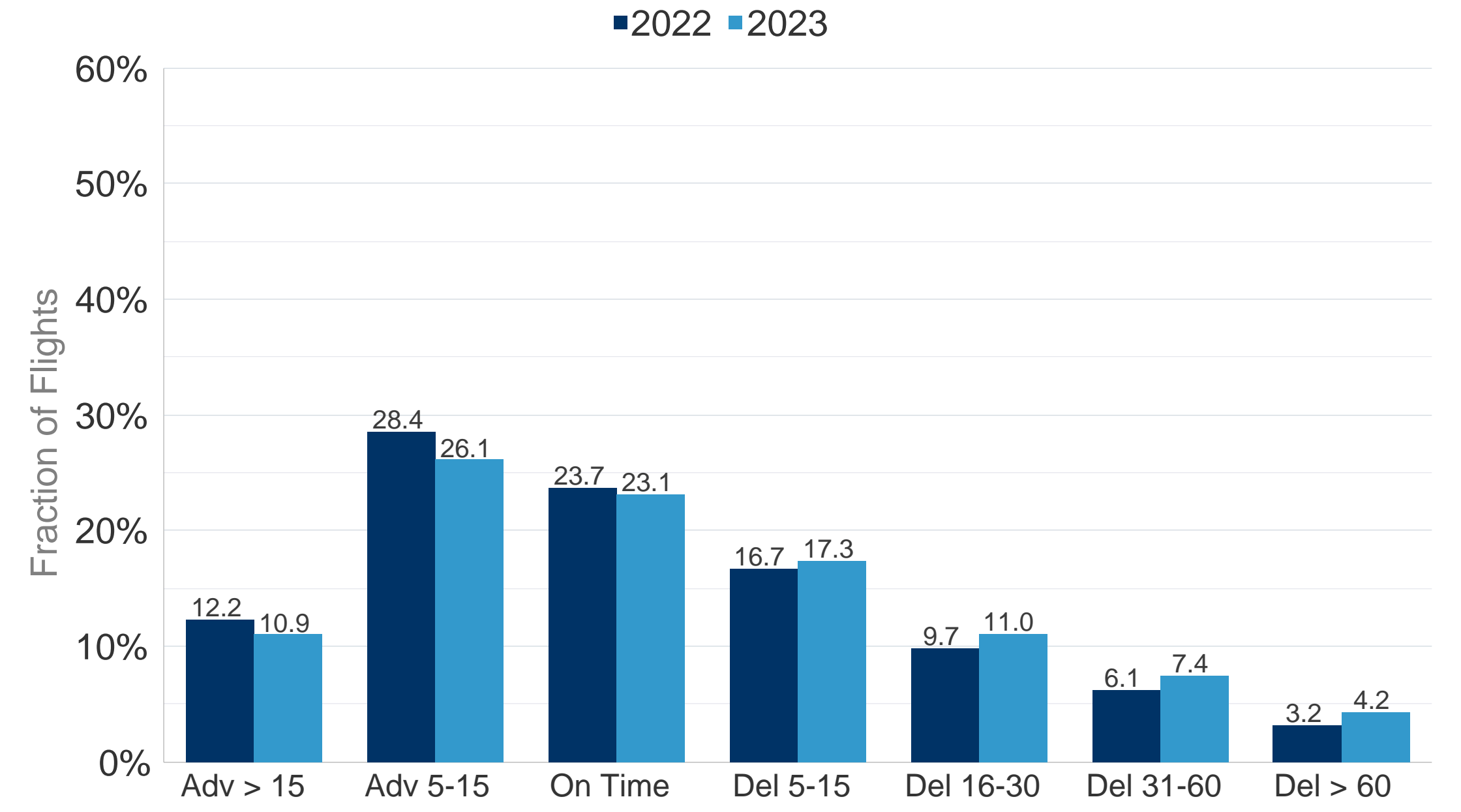
This report is based on partial airline data to be updated once the full dataset is available.  
 Current CODA Coverage of IFR Flights in ECAC November 2023: 57.5%  
 Date of publication: 22/12/2023 Eurocontrol TLP status: White (Public Information)



### All Causes Departure Punctuality - November 2023



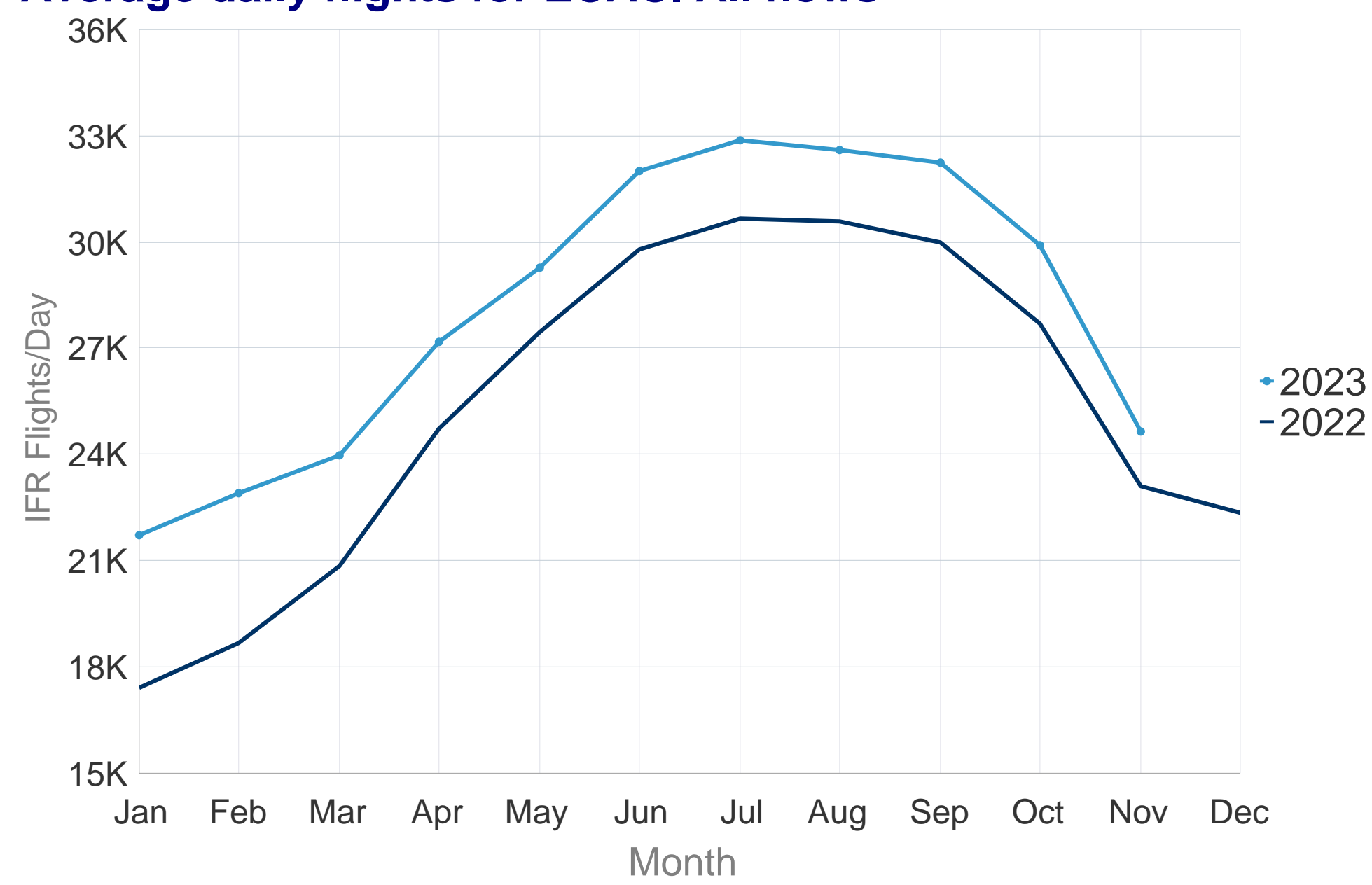
### All Causes Arrival Punctuality - November 2023



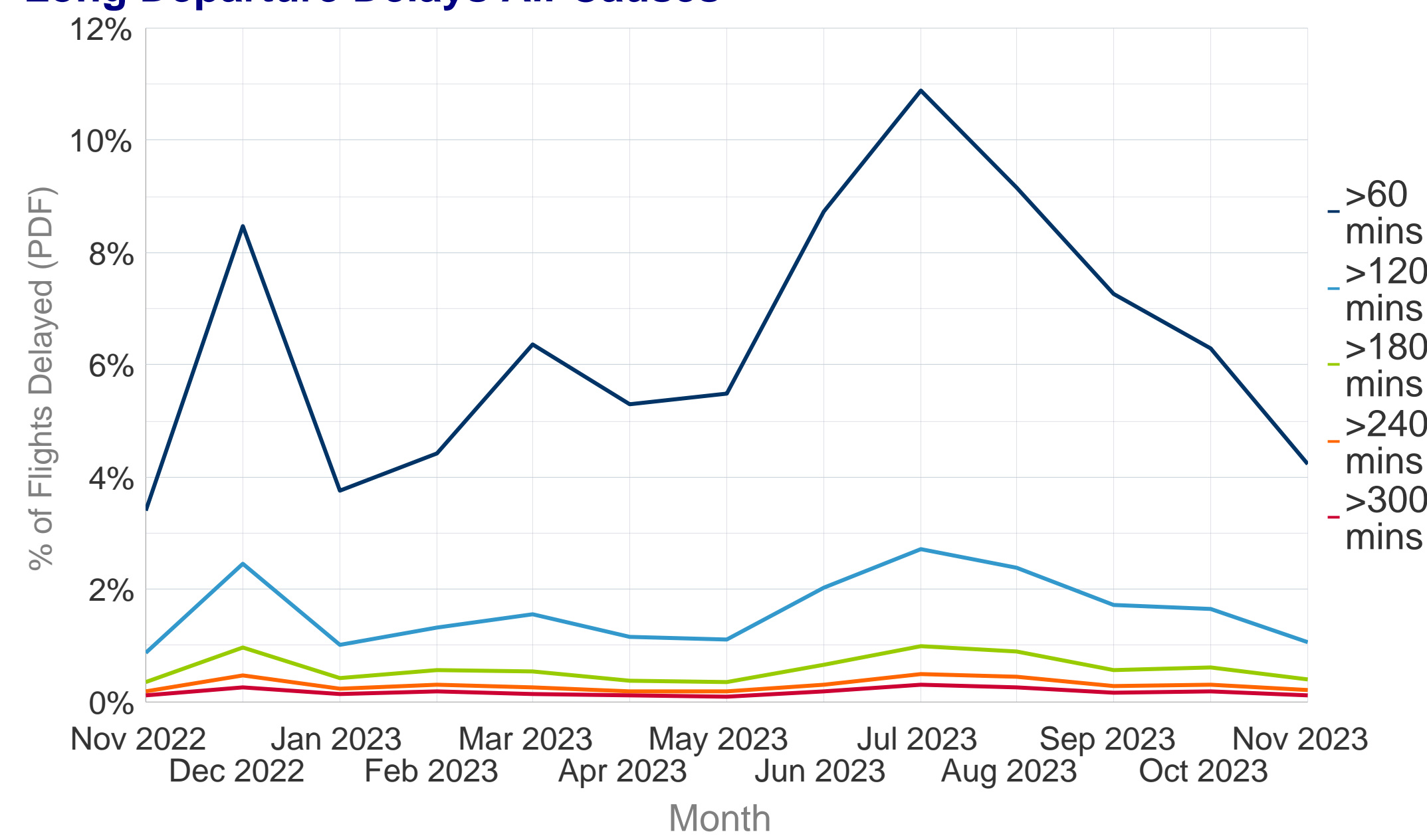
In November 2023, 35.3% of the flights departed within the 5 minutes threshold before or after the scheduled departure time (STD); **a decrease** of 1.9 points from 37.2% compared to previous year. Flights delayed >30 minutes from all-causes **increased** from 10.2% to 12.0%.

In November 2023, 23.1% of the flights arrived within the 5 minutes threshold before or after the scheduled arrival time (STA); **a decrease** of 0.6 points from 23.7% compared to previous year. Flights delayed >30 minutes from all-causes **increased** from 9.3% to 11.6%.

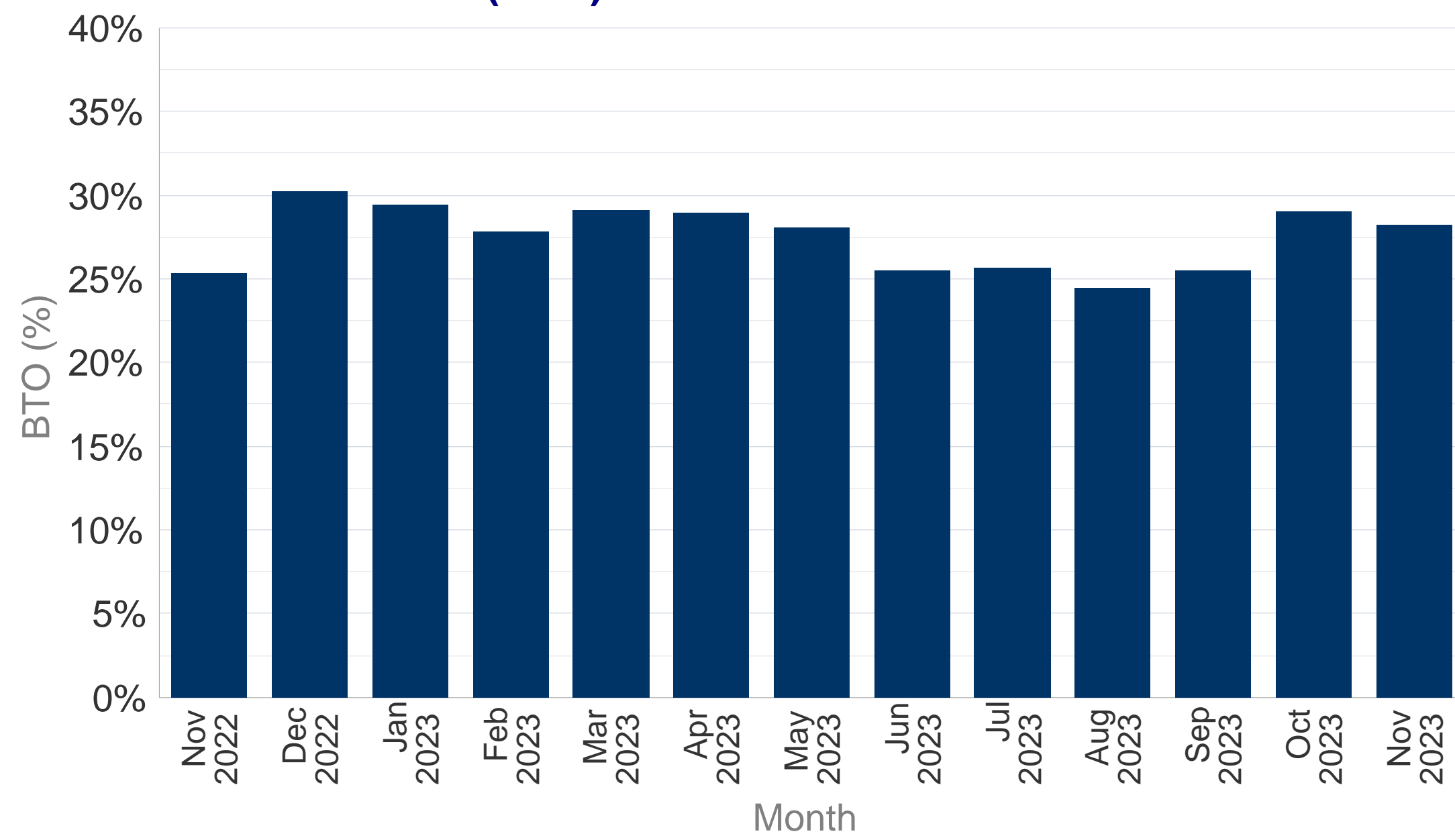
### Average daily flights for ECAC. All flows



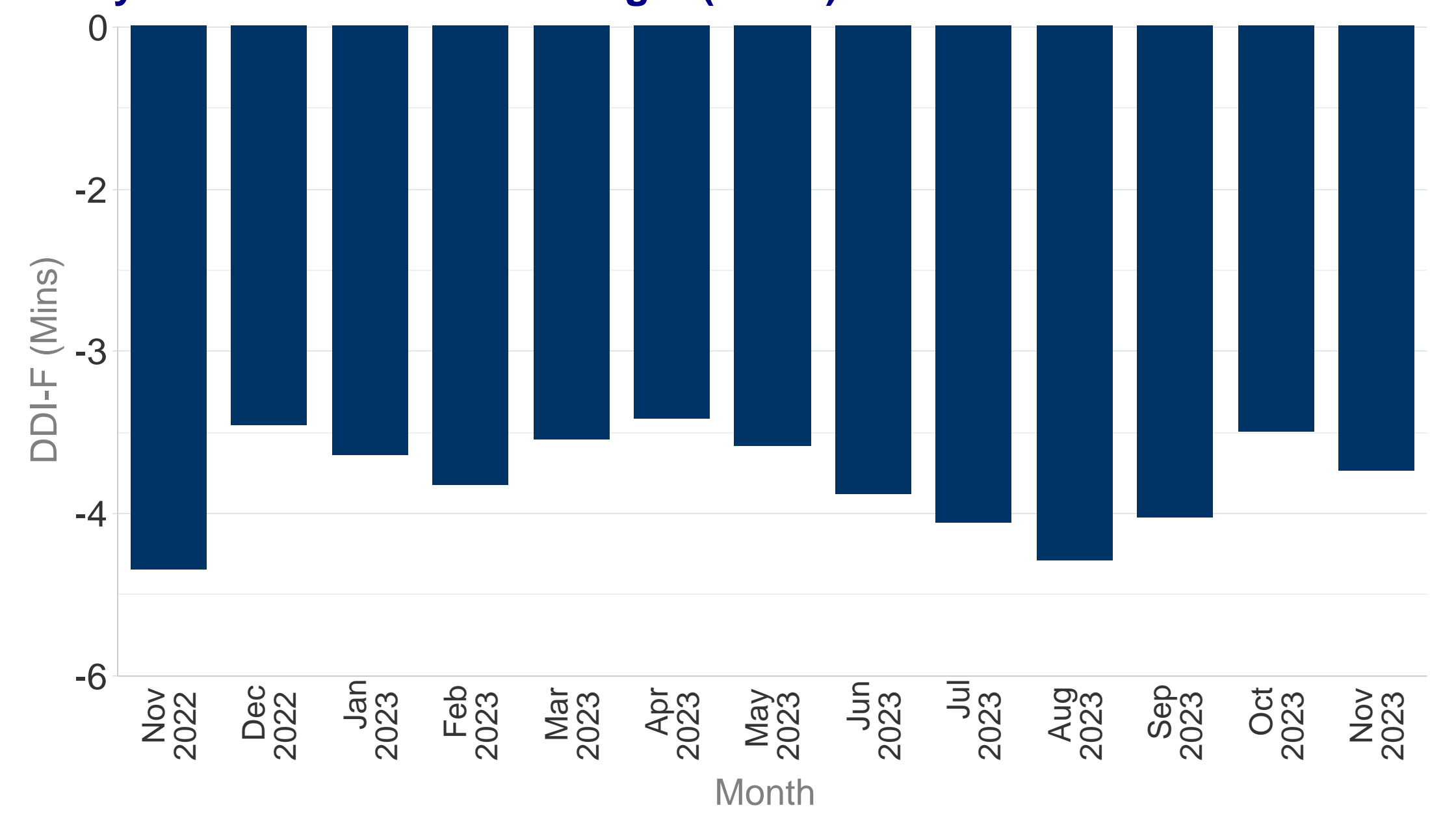
### Long Departure Delays All-Causes



### Block Time Overshoot (BTO)



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



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