

## INFORMATION NOTE

### **REPORT ON MAJOR IMPACTS CAUSED BY LIGHTNING AT MONTRÉAL–TRUDEAU ON SUNDAY, JULY 19**

Aéroports de Montréal (ADM) summarizes the major impacts at the airport caused by lightning and storm cells on Sunday, July 19.

A total of 12 lightning warnings halted operations between 4:21 a.m. and 11:27 p.m. for 7 hours and 56 minutes in all. This is probably the longest period that operations were disrupted by lightning in the airport's recent history:

<b>Lighting warnings</b>	<b>Length</b>
4:21 to 6:51 a.m.:	2 hours, 30 minutes
6:52 to 7:06 a.m.:	14 minutes
7:07 to 7:18 a.m.:	11 minutes
7:19 to 7:39 a.m.:	20 minutes
4:11 to 4:56 p.m.:	45 minutes
4:58 to 5:13 p.m.:	15 minutes
5:15 to 5:25 p.m.:	10 minutes
5:35 to 5:50 p.m.:	15 minutes
7:10 to 7:28 p.m.:	18 minutes
7:30 to 8:34 p.m.:	64 minutes
8:36 to 9:51 p.m.:	75 minutes
11:10 to 11:27 p.m.:	17 minutes

Montréal–Trudeau is equipped with the Thor Guard lightning prediction and warning system, which detects lightning and atmospheric electrical activity within a 5-kilometre radius around the airport. Lightning and storm cells affect operations in order to ensure the safety of ground personnel.

- Airport directives require that when there is a lightning warning, employees cannot move around the tarmac, with the result that all ground operations are affected: baggage transfer, refuelling, aircraft marshalling, etc.

Because of yesterday's weather, 90 flights were cancelled and 329 were delayed. Many flights also had to wait for lightning warnings to be lifted before they could access a gate for baggage unloading. In addition, in order to facilitate passengers' disembarkation, there were 70 passenger transfer vehicle (PTV) trips, four times as many as usual.

This was an exceptional situation that unfortunately affected many passengers.