

## **1.5-P07. Civil applications of Infrasound and Seismic Data : Location of the plane crash of Air Algeria.**

On 24 July 2014, a civilian aircraft AH5017 from airline Air Algeria, took off from the international airport of Ouagadougou at 00h55mn GMT with 118 passengers on board. Its destination was Algiers international airport in Algeria. One hour later, the flight AH5017, ceased all communications with the control tower in Ouaga and that of Niger. Niger authorities had just taken over the communications with the aircraft a few minutes earlier after being redirected to avoid a big storm over Mali and Southern Algeria. Multiple press releases report that the AH5017 flight disappeared from the radar after being re-routed. It later appeared that the plane crashed shortly after losing contact (Sources: AFP, BBC, Ouagadougou airport, and others). Our NDC collaborated with IDC staff using IMS infrasound and IDC bulletins on the search for infrasound and seismic signals related to the crash and to locate the crash site. This study demonstrates that CTBTO data and products are useful for civilian applications.

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