
Turbulence injuries, Airbus A300B4-605R, G-MONR

Micro-summary: This A300 experienced turbulence in cruise, injuring several people.

Event Date: 2003-01-27 at 1736 UTC

Investigative Body: Aircraft Accident Investigation Board (AAIB), United Kingdom

Investigative Body's Web Site: <http://www.aaib.dft.gov/uk/>

Note: Reprinted by kind permission of the AAIB.

Cautions:

1. Accident reports can be and sometimes are revised. Be sure to consult the investigative agency for the latest version before basing anything significant on content (e.g., thesis, research, etc).
 2. Readers are advised that each report is a glimpse of events at specific points in time. While broad themes permeate the causal events leading up to crashes, and we can learn from those, the specific regulatory and technological environments can and do change. ***Your company's flight operations manual is the final authority as to the safe operation of your aircraft!***
 3. Reports may or may not represent reality. Many many non-scientific factors go into an investigation, including the magnitude of the event, the experience of the investigator, the political climate, relationship with the regulatory authority, technological and recovery capabilities, etc. It is recommended that the reader review all reports analytically. Even a "bad" report can be a very useful launching point for learning.
 4. Contact us before reproducing or redistributing a report from this anthology. Individual countries have very differing views on copyright! We can advise you on the steps to follow.
-

Airbus A300B4-605R, G-MONR

AAIB Bulletin No: 4/2003	Ref: EW/G2003/01/20	Category: 1.1
Aircraft Type and Registration:	Airbus A300B4-605R, G-MONR	
No & Type of Engines:	2 General Electric CF6 Turbofan engines	
Year of Manufacture:	1989	
Date & Time (UTC):	27 January 2003 at 1736 hrs	
Location:	28°N 44°E	
Type of Flight:	Public Transport (Passenger)	
Persons on Board:	Crew - 14	Passengers - 359
Injuries:	Crew - 3 Minor	Passengers - 1 Serious
Nature of Damage:	None	
Commander's Licence:	Airline Transport Pilots Licence	
Commander's Age:	49 years	
Commander's Flying Experience:	14,687 hours (of which 6,041 were on type)	
	Last 90 days - 86 hours	
	Last 28 days - 36 hours	
Information Source:	AAIB Field Investigation	

In the cruise at FL280 en-route Bahrain to London Gatwick Airport, light Clear Air Turbulence (CAT) was encountered and the commander activated the Seat Belt sign. In accordance with normal company procedures, the cabin staff checked that all the passengers were strapped in and reported this fact to the commander. He allowed the cabin service to continue but warned the cabin crew to be alert for any increase in turbulence.

About five minutes later, severe CAT was suddenly encountered. The aircraft climbed rapidly and the commander disengaged the autopilot to manually control the airspeed. During the subsequent manoeuvres, the aircraft altitude varied between FL283 and FL278. Within the passenger cabin, the cabin crew and trolleys were thrown about. Following the incident, doctors amongst the passengers on board treated the injured personnel and confirmed that none required immediate hospitalisation. With this knowledge, and with no indication of any damage to the aircraft, the commander continued to his planned destination for an uneventful landing.

There had been no CAT forecast for the area in which the turbulence was experienced. Additionally, the aircraft radar had not indicated any significant weather on the aircraft route although thunderstorm flashes had been observed some 50 miles away.

Post flight analysis indicated that the aircraft had been subjected to a maximum of plus 2.08g and a minimum of minus 0.24g over a period of two seconds. A Phase 1 Severe Turbulence check on G-MONR confirmed that there was no damage.