Fast level off produces broken leg, Boeing 757-232, June 2, 2002

Micro-summary: During a level off following a TCAS advisory, a flight attendant fell and experienced a fractured leg.

Event Date: 2002-06-02 at 1327 EDT

Investigative Body: National Transportation Safety Board (NTSB), USA

Investigative Body's Web Site: http://www.ntsb.gov/

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National Transportation Safety Board FACTUAL REPERT AVIATION

NTSB ID: NYC02LA110

Aircraft Registration Number: N694DL

Occurrence Date: 06/02/2002

Most Critical Injury: Serious

Occurrence Type: Accident

Investigated By: NTSB

Location/Time

١	Nearest City/Place	State	Zip Code	Local Time	Time Zone	
	Fairfield	IL	62837	1327	EDT	
A	Airport Proximity: Off Airport/Airstrip	Distance From	n Landing Facility:	•	Direction Fro	m Airport:

Aircraft Information Summary

Aircraft Manufacturer	Model/Series	Type of Aircraft
Boeing	757-232	Airplane

Sightseeing Flight: No Air Medical Transport Flight: No

Narrative

Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:

On June 2, 2002, about 1327 eastern daylight time, a Boeing 757-232, N694DL, operated by Delta Airlines Inc., as flight 482, was not damaged while maneuvering near Fairfield, Illinois. The 2 certificated airline transport pilots, 108 passengers, and 3 flight attendants were not injured; however, 1 flight attendant was seriously injured, and 1 flight attendant sustained minor injuries. Instrument meteorological conditions prevailed and an instrument flight rules flight plan was filed for the flight that departed Denver International Airport (DEN), Denver Colorado, destined for Cincinnati/Northern Kentucky Airport (CVG), Covington, Kentucky. The scheduled passenger flight was conducted under 14 CFR Part 121.

According to a flight safety investigator at Delta Airlines, the airplane crossed the JDUNN intersection at flight level 290 (FL 290). Air traffic control (ATC) then cleared the flight to FL 270. The first officer was the pilot flying, the autopilot was engaged, and the seatbelt sign was illuminated.

The captain stated that during the descent, at 27,700 feet, the traffic collision avoidance system (TCAS) sounded "traffic, traffic, traffic," and displayed a target approximately 15 miles ahead and 700 feet below. No resolution advisory (RA) was received, but the flight was in instrument meteorological conditions and the flight crew was unable to visually identify the traffic. The captain then instructed the first officer to stop the descent. The first officer stated the he "quickly" leveled the airplane. Subsequently, a review of the TCAS and check with ATC revealed that the traffic was at FL 260, not FL 270.

During the level off, a flight attendant fell and suffered a fractured leg. The airplane landed uneventfully at CVG, and the flight attendant was transported to a local hospital.

A review of Delta Airline's 757/767 operations manual revealed that deviation from an ATC clearance was authorized for an RA only.

National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: NYC02LA110

Occurrence Date: 06/02/2002

AVIATION Occurre					ence Type: Accident								
Landing Facility/Approach In	 formation												
Airport Name			Airport	ID:	Airport Eleva	tion	Run	way Used	Runwa	y Lengt	h I	Runw	ay Width
					Ft.	MSL							
Runway Surface Type: Unknown													
Runway Surface Condition: Unknown	own												
Town Instrument Assessed NONE	<u> </u>												
Type Instrument Approach: NONE	•												
VFR Approach/Landing: None													
Aircraft Information													
Aircraft Manufacturer			- 1	/lodel/9 757-2:						Serial	Number s	•	
Airworthiness Certificate(s): Transport													
Landing Gear Type: Retractable - Tricycle													
Homebuilt Aircraft? No Number of Seats: 115					Certified Max Gross Wt. 232000 LE					Numbe	r of Eng	ngines: 2	
* **				Engine Manufacturer: Model/Series: Pratt & Whitney PW2037								d Power: 00 LBS	
- Aircraft Inspection Information													
Type of Last Inspection			Date o	Date of Last Inspection Time Since			nce Last Insp	ection		Airfram	e Tot	al Time	
Continuous Airworthiness			04/20	002					Но	urs		12	206 Hours
- Emergency Locator Transmitter (ELT) Information												
ELT Installed? No	ELT Operate	ed? No)			ELT	Aided i	n Locating Ac	cident S	ite? No			
Owner/Operator Information													
Registered Aircraft Owner			Stı	reet A		d Inte	rnation	al Airport					
Delta Airlines Inc.		State						Zip Code					
	Q+r	Atlanta GA 30320 Street Address								30320			
Operator of Aircraft Same as Reg'd Aircraft Owner													
Same as Reg'd Aircraft Owner				City						State	;	Zip Code	
Operator Does Business As: Operator Designator Code: DALA													
- Type of U.S. Certificate(s) Held:													
Air Carrier Operating Certificate(s):	Flag Carrier/Dom	nestic											
Operating Certificate:					Operator C	Certific	ate:						
Regulation Flight Conducted Under	r: Part 121: Air Ca	rrier											
Type of Flight Operation Conducted	l: Scheduled; Dor	nestic;	; Passe	enger/	Cargo Cargo								
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National Transportation Safety Board
FACTUAL REPORT
AVIATION

NTSB ID: NYC02LA110

Occurrence Date: 06/02/2002

TACIDAL N	Occurrent	Occurrence Bate. 00/02/2002										
AVIATI	WN		Occurrence Type: Accident									
First Pilot Information												
Name					City				ite	Date of Birth	Age	
On File					On File	File On File On File 48						
Sex: M Seat Occupied	: Left	Prin	cipal Profes	n Pilot		C	ertificat	te Numb	er: On File			
Certificate(s): Airline Transport												
Airplane Rating(s): Multi-engine Land												
Rotorcraft/Glider/LTA: None												
Instrument Rating(s): Airpl	ane											
Instructor Rating(s): None												
Type Rating/Endorsement for Accident/Incident Aircraft? Yes Current Biennial Flight Review? 12/2001												
Medical Cert.: Class 1	Medica	al Cert. Status	: None				Date of	Last Me	edical E	xam: 04/2002		
I												
- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Mult-Engine	Night	Actual	Instrument Simulate		Rotorcraft	Glider	Lighter Than Air	
Total Time	17000	2204										
Pilot In Command(PIC)												
Instructor												
Last 90 Days	140	140										
Last 30 Days					-							
Last 24 Hours	8	8			 							
Seatbelt Used? Yes	Shou	lder Harness	Used? Yes		T	oxicology Pe	erformed? No)	Se	econd Pilot? Ye	S	
Flight Plan/Itinerary												
Type of Flight Plan Filed: IF	 R											
Departure Point					5	State	Airport Identi	fier	Depar	ture Time	Time Zone	
Fairfield IL DEN 1115 EDT								EDT				
Destination State Airport Identifier												
Covington KY CVG												
Type of Clearance: IFR												
Type of Airspace: Class A												
Weather Information												
Source of Briefing: Company												
Method of Briefing: Teleph	none											
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National Transportation Safety Board FACTUAL REPORT AVIATION

NTSB ID: NYC02LA110

Occurrence Date: 06/02/2002

	ETYBOR		Occ	currence Ty	/pe: Ac	ccident	t						
Weather	Information												
WOF ID	Observation Time	Time Zone	WOF	Elevation	W	WOF Distance From Accident Site				Direction Fron	n Accident	Site	
			_		.						000 5 14		
ENL	1325	EDT		534 Ft. MS	L				40 NM		280 Deg. Mag.		
Sky/Lowes	t Cloud Condition: Sca	ittered				4	700 Ft. AG	L	Condition o	f Ligh	nt: Day		
Lowest Ce	iling: None			Ft. AGL	-	Visibil	ity:	10	SM	Altii	meter:	29.84	"Hg
Temperatu	ıre: 31 °C	Dew Point:	19	9 °C W	ind Dire	ection:	240			Dei	nsity Altitude:		Ft.
Wind Spee	ed: 6	Gusts:		W	eather (Condti	ons at Accid	lent S	ite: Instrume	ent C	Conditions		
Visibility (F	RVR): F1	Visibility (RVV)	SI	M In	ntensity	of Precipita	ation:					
Restriction	s to Visibility: None												
Type of Pro	ecipitation: None												
Accident	Information												
Aircraft Da	mage: None		Airc	raft Fire: N	one				Aircraft Exp	losio	n None		
Classificati	on: U.S. Registered/	J.S. Soil											
- Injury Su	mmary Matrix	Fatal	Serious	Minor	Non	ne	TOTAL						
First Pi	lot					1	1						
Second	d Pilot					1	1						
Studen	t Pilot												
Flight I	nstructor												
Check	Pilot												
Flight E	Flight Engineer												
Cabin Attendants 1 1 3							5						
Other C	Crew												
Passer	igers					108	108						
- TOTAL A	ABOARD -		1	1	1	113	115						
Other 0	Ground												
- GRANE	TOTAL -		1	1	1	113	115						
		•			•	•							

National Transportation Safety Board

FACTUAL REPORT AVIATION

NTSB ID: NYC02LA110

Occurrence Date: 06/02/2002

Occurrence Type: Accident

Admi			

Investigator-In-Charge (IIC)

Robert J. Gretz

Additional Persons Participating in This Accident/Incident Investigation:

Randy Sizemore FAA FSDO-01 Louisville, KY