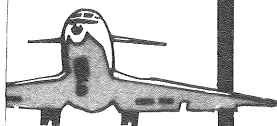
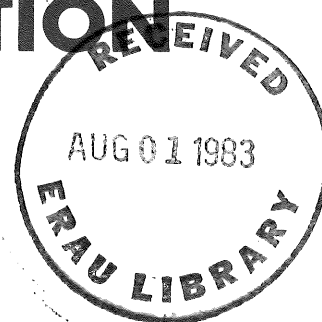


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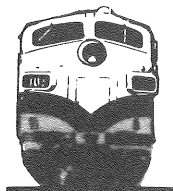


PB83-916903

# NATIONAL TRANSPORTATION SAFETY BOARD



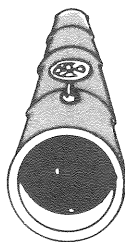
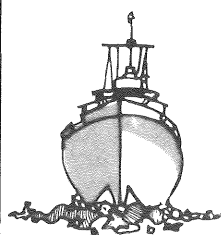
WASHINGTON, D.C. 20594



## AIRCRAFT ACCIDENT/INCIDENT REPORTS

BRIEF FORMAT  
SUPPLEMENTAL ISSUE  
1981 ACCIDENTS

NTSB/AAB-83/03



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83  
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UNITED STATES GOVERNMENT



TECHNICAL REPORT DOCUMENTATION PAGE

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<p>16. Abstract This publication contains reports of aircraft accidents and incidents that occurred in 1981 and have not been included in a prior issue of briefs. Included are 27 U.S. air carrier accidents, 27 U.S. air carrier incidents, 76 general aviation accidents occurring on U.S. soil, and 66 general aviation incidents. Five foreign air carrier accidents, four foreign air carrier incidents, 14 foreign general aviation accidents and 2 foreign general aviation incidents that were investigated by the National Transportation Safety Board are also included. This publication is the final issue of Briefs of Accidents that occurred in calendar year 1981.</p> <p>File Number: 1 - U.S. air carrier accident 3 - U.S. general aviation accident 4 - U.S. air carrier incident 5 - U.S. general aviation incident A - foreign air carrier accident in U.S. C - foreign air carrier incident in U.S. E - foreign general aviation accident G - foreign general aviation incidents in U.S.</p> <p>See Page ia for Specific Docket No.</p>			
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5-0001 thru 5-0005  
5-0007 thru 5-0067  
A-0001 thru A-0005  
C-0001 thru C-0004  
E-0001 thru E-0014  
G-0001 thru G-0002

## FOREWORD

The National Transportation Safety Board, in accordance with the provisions of Title VII of the Federal Aviation Act of 1958 (as amended) and Section 304 of the Independent Safety Board Act of 1974, has determined the probable cause(s) of the accidents reported herein.

The enclosed computer briefs are the reports of the Safety Board and thereby subject to the limitations of 49 USC 1441(e) which states:

"No part of any report or reports of the Board, relating to any accidents or the investigations thereof, shall be admitted as evidence or used in any suit or action for damages growing out of any matter mentioned in such report or reports."

This supplemental issue contains reports of aircraft accidents and incidents that occurred in calendar year 1981 that have not been included in previous issues of Briefs of Accidents. The briefs of these accidents/incidents have been assembled by the following categories:

1. U.S. Air Carrier accidents and incidents.
2. U.S. General Aviation accidents and incidents occurring in the United States, its territories or possessions.
3. Foreign Air Carrier and Foreign General Aviation accidents/incidents occurring in the United States, and investigated by the National Transportation Safety Board.

In addition, this issue contains several statistical tables which tabulate and summarize selected accident information, such as type of accident, phase of operation, injuries, cause/factor and pilot certificates for all U.S. General Aviation accidents occurring in 1981.

In reading these reports, it should be borne in mind that they are reproduced directly from coded records on magnetic tape by electronic data processing equipment. Also, in reading the text, it must be borne in mind that computer language is utilized, thus requiring a number of abbreviations due to spacing limitations. Caution should be exercised in reading the Briefs of Accidents, especially those containing abbreviations in phrases and sentences.

Collisions between aircraft are treated as one accident. A coded analysis is done on each aircraft involved in a collision. This produces two aircraft accident records per accident. Consequently, when compiling information on accidents involving collisions between aircraft, the number of accident records will exceed the number of accidents.

The Briefs of Accidents contain the essential items of information which fulfill the requirements of the majority of persons using these reports. However, for those having a need for more detailed information the original factual reports are on file in the Washington Office of the National Transportation Safety Board. Upon request, these reports will be reproduced commercially for a fee to cover reproduction and postage. The costs will be assessed per printed page and photograph(s) reproduced.

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## EXPLANATORY NOTES

### U.S. GENERAL AVIATION

U.S. general aviation refers to the operations of U.S. civil aircraft owned and operated by persons, businesses, corporations, etc., excluding the operations of U.S. air carriers.

### U.S. AIR CARRIER

U.S. air carrier operations include the following three operational categories:  
1) certificated route air carriers 2) supplemental air carriers and 3) commercial operators of large aircraft.

### DEFINITIONS

The following definitions contained in CFR 49, Part 830, paragraph 830.2 apply when used in this publication.

#### Aircraft Accident

An occurrence associated with the operation of an aircraft which takes place between the time any person boards the aircraft with the intention of flight until such time as all such persons have disembarked, and in which any person suffers death or serious injury as a result of being in or upon the aircraft or by direct contact with the aircraft or anything attached thereto, or in which the aircraft receives substantial damage.

#### Fatal Injury

Any injury which results in death within 30 days of the accident.

#### Serious Injury

Any injury which 1) requires hospitalization for more than 48 hours, commencing within 7 days from the date the injury was received; 2) results in a fracture of any bone (except simple fractures of fingers, toes, or nose); 3) involves lacerations which cause severe hemorrhages, nerve, muscle, or tendon damage; 4) involves injury to any internal organ; or 5) involves second- or third-degree burns, or any burns affecting more than 5 percent of the body surface.

#### Substantial Damage

1) Except as provided in subparagraph (2) of this paragraph, substantial damage means damage or structural failure which adversely affects the structural strength, performance, or flight characteristics of the aircraft, and which would normally require major repair or replacement of the affected component.  
2) Engine failure, damage limited to an engine, bent fairings or cowlings, dented skin, small punctured holes in the skin or fabric, ground damage to rotor or propeller blades, damage to landing gear, wheels, tires, flaps, engine accessories, brakes, or wingtips are not considered "substantial damage" for the purpose of this part.



## EXPLANATORY NOTES

### INJURY INDEX

Injury index refers to the highest degree of personal injury sustained as a result of the accident.

### TYPE OF ACCIDENT

Type of accident relates to the immediate circumstances of the occurrence. Many accidents involve a series of circumstances and therefore require a second type to more fully describe the sequence of events. Some examples of types of accidents are as follows:

#### Gear Collapsed

Collapse of the landing gear due to mechanical failure other than malfunction of the retracting mechanism.

#### Gear Retracted

Retraction of the landing gear due to malfunction or failure of the retracting mechanism or to inadvertent retraction by the crew. Excludes intentional gear retraction and wheels-up landing.

#### Airframe Failure

Occurrences resulting from failure of any part of the airframe while in flight or in motion on the ground. Excludes failure resulting from contact with another airplane or object, or impact with the ground, or damage from landing gear collapse or retraction.

#### Engine Failure/Malfunction

Occurrences of engine failure or malfunction for any reason. Includes engine stoppage, power interruption, or power loss, actual or simulated.

### PHASE OF OPERATION

The phase of operation relates to the particular segment of the flight or operation during which the circumstances of the accident occur.

### KIND OF FLYING

Refers to the purpose for which the aircraft is being operated at the time of the accident. There are four broad categories of kind of flying.

#### 1. Instructional Flying

Refers to flying accomplished in supervised training under the direction of an accredited instructor.

## EXPLANATORY NOTES

### KIND OF FLYING

2. Noncommercial Flying

Refers to the use of an aircraft for purposes of pleasure, personal transportation or in connection with a private business, in corporate/executive operations, and in other operations, wherein there is no direct monetary fee charged. It includes the following categories.

Pleasure

Flying by individuals in their own or rented aircraft for pleasure, or personal transportation not in furtherance of their occupation or company business.

Business

The use of aircraft by pilots (not receiving direct salary or compensation for piloting) in connection with their occupation or in the furtherance of a private business.

Corporate/Executive Operations

The use of aircraft owned or leased, and operated by a corporation or business firm for the transportation of personnel or cargo in furtherance of the corporation's or firm's business, and which are flown by professional pilots receiving a direct salary or compensation for piloting.

3. Commercial Flying

Commercial flying includes all general aviation flying normally conducted for direct financial return, except instructional flying. It includes air taxi operations, aerial application, fire control, aerial mapping or photography, aerial advertising, power/pipeline patrol and fish spotting.

4. Miscellaneous Flying

Includes other kinds of flying not covered under the other three broad categories. In some instances the criterion of direct financial return may or may not be present.

### COLLISION BETWEEN AIRCRAFT

Collisions between aircraft are so classified only when both aircraft are occupied. This includes collisions wherein both aircraft are airborne (midair); one is airborne, the other on the ground; and both are on the ground. A collision with a parked, unoccupied aircraft is classified under the broad category of collision with objects (parked, unoccupied aircraft).

## EXPLANATORY NOTES

### CAUSES AND RELATED FACTORS

In determining probable cause(s) of an accident, all facts, conditions, and circumstances are considered. The object is to ascertain those cause-effect relationships in the accident sequence about which something can be done to prevent recurrence of the type of accident under consideration. Accordingly, for statistical purposes where two or more causes exist in an accident, each is recorded and no attempt is made to establish a primary cause. Therefore, in the Cause and Related Factor Table, the figures shown in the columns dealing with Cause will exceed the total number of accidents. The term Factor is used, in general, to denote those elements of an accident which further explain or supplement the probable cause(s). This provision was incorporated in the coding system to increase its flexibility and to provide a means for collecting essential items of information which could not be categorized elsewhere in the system.

### AIRCRAFT WEIGHT CATEGORIES

The International Civil Aviation Organization's categories of aircraft weight are utilized to classify accident data as follows:

0 -	2,250 kilograms	(0 -	4,960 pounds)
2,251 -	5,700 kilograms	(4,961 -	12,565 pounds)
5,701 -	27,000 kilograms	(12,566 -	59,525 pounds)
27,001 -	272,000 kilograms	(59,526 -	599,650 pounds)
272,001 -	kilograms and greater	(599,651 pounds and greater)	

### SMALL FIXED-WING AIRCRAFT

Fixed-wing aircraft which have a maximum gross takeoff weight of 5700 kilograms (12,565 pounds), or less.

### LARGE FIXED-WING AIRCRAFT

Fixed-Wing aircraft which have a maximum takeoff weight greater than 5,700 kilograms (12,565 pounds).

### ROTORCRAFT

Aircraft which in all usual flight attitudes are supported in the air wholly or in part by a rotor or rotors; i.e., by airfoils rotating or revolving about an axis.

### TYPES OF WEATHER CONDITIONS

The types of weather conditions (VFR/IFR) are determined in accordance with the prescribed minima in Part 91 of the Federal Aviation Regulations. These minima pertain to the ceiling and visibility, in conjunction with the type of airspace, at the accident site. Type of weather conditions are based on surface weather as determined from officially recognized sources. Weather conditions encountered in flight are not necessarily representative of the classifications VFR/IFR as carried under Type of Weather Conditions.

# LIST OF ABBREVIATIONS USED IN BRIEFS

ABBREVIATION	MEANING
AERIAL ADVERTISE	AERIAL ADVERTISING
ATR, FLIGHT INSTR.	AIRLINE TRANSPORT INSTRUCTOR
AIR SHOW/RACING	AIR SHOW/AIR RACING
AIR TAXI-CARGO	AIR TAXI-CARGO OPERATIONS
AIR TAXI-PASSG	AIR TAXI-PASSENGER OPERATIONS
APPROACH CTL-DEPARTURE	APPROACH CONTROL-DEPARTURE
APR CTL-TOW ENRT CTL SRV	APPROACH CONTROL-TOWER EN ROUTE CONTROL SERVICE
ASSOC CROP CTL ACTIVITIES	ASSOCIATED CROP CONTROL ACTIVITIES
ASSOC FIRE CTL ACTIVITIES	ASSOCIATED FIRE CONTROL ACTIVITIES
COMMERCIAL, FLIGHT INSTR.	COMMERCIAL FLIGHT INSTRUCTOR
CORP/EXEC	CORPORATION/EXECUTIVE
CR-	CREW
CTR CARGO-D	CONTRACT/CHARTER-CARGO-DOMESTIC
CTR CARGO-I	CONTRACT/CHARTER-CARGO-INTERNATIONAL
CTR PASSG-D	CONTRACT/CHARTER-PASSENGER-DOMESTIC
CTR PASSG-I	CONTRACT/CHARTER-PASSENGER-INTERNATIONAL
LAST ENROUTE STOP	LAST PLANNED EN ROUTE LANDING POINT
MAPPING/PHOTO	AERIAL MAPPING/PHOTOGRAPHY
MIL CONTRACT CARGO INTL	MILITARY CONTRACT-CARGO-INTERNATIONAL
MIL CONTRACT PASSG INTL	MILITARY CONTRACT-PASSENGER-INTERNATIONAL
MILITARY CTR CARGO DOM	MILITARY CONTRACT-CARGO-DOMESTIC
MILITARY CTR PASSG DOM	MILITARY CONTRACT-PASSENGER-DOMESTIC
MIL/CTR CARGO	MILITARY CONTRACT-CARGO
MIL/CTR PASSG	MILITARY CONTRACT-PASSENGER
NR.	NEAR
NS CTR CARGO	NONSCHEDULED/CHARTER REVENUE CARGO-INTRA-STATE
NS CTR PASSG	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTRA-STATE
NS/CTR REVENUE CARGO DOM	NONSCHEDULED/CHARTER REVENUE CARGO-DOMESTIC
NS/CTR REVENUE CARGO INTL	NONSCHEDULED/CHARTER REVENUE CARGO-INTERNATIONAL
NS/CTR REVENUE PASSG DOM	NONSCHEDULED/CHARTER REVENUE PASSENGER-DOMESTIC
NS/CTR REVENUE PASSG INTL	NONSCHEDULED/CHARTER REVENUE PASSENGER-INTERNATL
OT-	OTHER AIRCRAFT AND GROUND
PARAJUMP	PARACHUTE JUMP
PRIVATE, FL. INSTR. R.	PRIVATE FLIGHT INSTRUCTOR
PX-	PASSENGERS
RADAR CTL/SURVEILLANCE	RADAR CONTROL/SURVEILLANCE
SCHED CARGO SRV	SCHEDULED CARGO SERVICE
SCHED DOM CARGO SRV	SCHEDULED DOMESTIC CARGO SERVICE
SCHED DOM PASSG SRV	SCHEDULED DOMESTIC PASSENGER SERVICE
SCHED INTERNATL CARGO SRV	SCHEDULED INTERNATIONAL CARGO SERVICE
SCHED INTERNATL PASSG SRV	SCHEDULED INTERNATIONAL PASSENGER SERVICE
SCHED PASSG SRV	SCHEDULED PASSENGER SERVICE
S-D	SCHEDULED-DOMESTIC
S-I	SCHEDULED-INTERNATIONAL
UNK/NR	UNKNOWN/NOT REPORTED

BRIEFS OF ACCIDENTS

INITIAL RELEASE

PREVIOUS YEAR(S)



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3346	9/20/80	TYLER, TX	BLN WORKS FF-7	CR- 0 0 1	NONCOMMERCIAL	COMMERCIAL, AGE 37, 401
	TIME - 1845		N4062L	PX- 0 0 1	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 63 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	TYLER, TX		LOCAL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	AIRFRAME FAILURE: IN FLIGHT				IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S)					
	AIRFRAME - FLIGHT CONTROL SURFACES: OTHER					
	MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE					
	FACTOR(S)					
	WEATHER - UNFAVORABLE WIND CONDITIONS					
	WEATHER - DOWNDRAFT, UPDRAFTS					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	SCATTERED				UNLIMITED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER (UNLIMITED)				NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	NONE				92	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	180				8	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	VFR				NONE	
	REMARKS- ENCTRD UPDFT, 400FT AGL, ASCD TO 2000FT, ENVELOPE BCM TORN, UN STOP DSCNT, 35FT TEAR, CLDY, STORMY, GSTY.					





## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3506	10/23/80 TIME - 1854	MILLEDGEVILLE,GA	CESSNA 310 N5882M DAMAGE-DESTROYED	CR- 1 0 0 PX- 3 0 0	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 46, 3000 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ATLANTA,GA	INTENDED DESTINATION SAVANNAH,GA			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: UNCONTROLLED	PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT			
PROBABLE CAUSE(S)						
INSTRUMENTS/EQUIPMENT AND ACCESSORIES - FLIGHT AND NAVIGATION INSTRUMENTS: ATTITUDE GYRO						
MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE						
PILOT IN COMMAND - SPATIAL DISORIENTATION						
FACTOR(S)						
WEATHER - LOW CEILING						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
		SKY CONDITION OVERCAST	CEILING AT ACCIDENT SITE 1300			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)	PRECIPITATION AT ACCIDENT SITE DRIZZLE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 60			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN IFR			
REMARKS- FLT RPRTD LOSS OF ATTITUDE INDICATOR WHILE CRUISING AT 7000FT MSL,CRASHED DRG 180DEG TURN,NGT,IFR.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3778	2/6/80	NR.CLOVIS,NM	CESSNA TU206G	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 43, 219
	TIME - 1026		N7393N	PX- 1 0 0	BUSINESS	TOTAL HOURS, 69 IN TYPE,
			DAMAGE-DESTROYED	OT- 2 0 0		NOT INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION			LAST ENROUTE STOP	
	ALBUQUERQUE,NM	CLOVIS,NM			TUCUMCARI,NM	
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH AIRCRAFT: BOTH IN FLIGHT				IN FLIGHT: NORMAL CRUISE	
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.						
PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT						
PERSONNEL - TRAFFIC CONTROL PERSONNEL: FAILURE TO ADVISE OF OTHER TRAFFIC						
FACTOR(S)						
MISC-LIMITATION OF SEE/AVOID CONCEPT IN TERM AREA						
SPECIAL DATA						
SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-US MILITARY						
CONTROLLING AGENCY - NO CONTROL						
TRAFFIC ADVISORY ISSUED - NONE						
CONTROL ZONE/AREA - YES						
HORIZONTAL COLLISION ANGLE-DEGREES - 99						
REMARKS- RARAD NOT REQSTD.C-206 RADAR TRGT NOT OBSERVED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3778	2/6/80	NR.CLOVIS,NM	GEN DYNAMIC F-111D	CR- 2 0 0	MISCELLANEOUS	COMMERCIAL, FL.INSTR.,
	TIME - 1026		USAF45	PX- 0 0 0	OTHER PUBLIC	AGE 34, 2505 TOTAL HOURS,
			DAMAGE-DESTROYED	OT- 2 0 0		980 IN TYPE, INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		CANNON AFB,NM	LOCAL			
		TYPE OF ACCIDENT		PHASE OF OPERATION		
		COLLISION WITH AIRCRAFT: BOTH IN FLIGHT		LANDING: INITIAL APPROACH		
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.				
		PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT				
		PERSONNEL - TRAFFIC CONTROL PERSONNEL: FAILURE TO ADVISE OF OTHER TRAFFIC				
		FACTOR(S)				
		MISC-LIMITATION OF SEE/AVOID CONCEPT IN TERM AREA				
		SPECIAL DATA				
		SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-US MILITARY				
		CONTROLLING AGENCY - APPROACH CONTROL LANDING				
		TRAFFIC ADVISORY ISSUED - NONE				
		CONTROL ZONE/AREA - YES				
		HORIZONTAL COLLISION ANGLE-DEGREES - 99				
		FIRE AFTER IMPACT				
		REMARKS- RARAD NOT REQSTD.C-206 RARAD NOT ISSUED TO F-111				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3782	10/4/80	NR.SILVERTON,CO	HUGHES 369HS	CR- 0 0 1	COMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1015		N9153F	PX- 3 0 0	AIR TAXI-PASSG	43, 7183 TOTAL HOURS, 336
			DAMAGE-SUBSTANTIAL			IN TYPE, NOT INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		HOWARDSVILLE,CO	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLIDED WITH: WIRES/POLES			IN FLIGHT: LOW PASS	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
		PILOT IN COMMAND - EXERCISED POOR JUDGMENT				
		PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT				
		PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS				
		FACTOR(S)				
		TERRAIN - OTHER				
		REMARKS- OIL EXPLORATION FLT.DEVIATED TO SIGHTSEE,MOUNTAINOUS TRRN.WATCHING VEHICLE ON ROAD.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3783	3/27/80	NR.PARKER,CO	BEECH 200	CR- 2 0 0	NONCOMMERCIAL	ATP,FLIGHT INSTR., AGE
	TIME - 1452		N456L	PX- 8 0 0	CORP/EXEC	52, 10225 TOTAL HOURS,
			DAMAGE-DESTROYED			550 IN TYPE, INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP	
		LUFKIN,TX	RETURN		DENVER,CO	
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			IN FLIGHT: DESCENDING	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING				
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
		WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC.				
		MISCELLANEOUS ACTS,CONDITIONS - AIRFRAME ICE				
		MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.				
		WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE				
		WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		ADVERSE/UNFAVORABLE WEATHER				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		OBSCURATION			400	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		1/4 MILE OR LESS			SNOW	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F	
		NONE			35	
		TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN	
		IFR			IFR	
		FIRE AFTER IMPACT				
		REMARKS- WX BRFG 1020,NOT UPDATED PRIOR TO 1434 DEPARTURE.DID NOT RETURN TO ARAPAHOE A/P.600LBS OVR MAX GWT				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3790	7/6/80	CARLSBAD, CA	CESSNA TU206G	CR- 2 0 0	NONCOMMERCIAL	STUDENT, AGE 47, 102
	TIME - 0719		N5384U	PX- 0 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 64 IN TYPE,
			DAMAGE-DESTROYED			NOT INSTRUMENT RATED.
		NAME OF AIRPORT - PALOMAR				
		DEPARTURE POINT	INTENDED DESTINATION			
		PALM DESERT, CA	CARLSBAD, CA			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: INITIAL APPROACH	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS				
		PILOT IN COMMAND - EXERCISED POOR JUDGMENT				
		PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL				
		FACTOR(S)				
		WEATHER - LOW CEILING				
		WEATHER - FOG				
		WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE				
		WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		OBSCURATION			0	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		1/4 MILE OR LESS			NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			WIND VELOCITY-KNOTS	
		FOG			CALM	
		TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN	
		BELOW MINIMUMS			NONE	
		REMARKS- ADZD VFR FLT NOT RCMD. BOTH PLTS HAD STUDENT CERT. CRASHED DRG ILS APCH RWY24.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3797	10/30/80	BRIDGEPORT, NJ	PIPER PA-28	CR- 0 0 1	NONCOMMERCIAL	PRIVATE, AGE 21, 111
	TIME - 0930		N8135B	PX- 0 0 1	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 3 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
		NAME OF AIRPORT - BRIDGEPORT				
		DEPARTURE POINT	INTENDED DESTINATION			
		BRIDGEPORT, NJ	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			TAKEOFF: INITIAL CLIMB	
		STALL			LANDING: OTHER	
		PROBABLE CAUSE(S)				
		POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS				
		PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3798	12/6/80	RAMSEY, MN	MITSUBISHI MU-2	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 54, 4949
	TIME - 1617		N969MA	PX- 4 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 875 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-DESTROYED			
	FARGO, ND		INTENDED DESTINATION			
	TYPE OF ACCIDENT		MINNEAPOLIS, MN			
	COLLISION WITH GROUND/WATER: UNCONTROLLED				PHASE OF OPERATION	
					LANDING: INITIAL APPROACH	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED					
	FACTOR(S)					
	WEATHER - ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC.					
	WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	OVERCAST				1100	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	4 MILES OR LESS				NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TYPE OF WEATHER CONDITIONS	
	FOG				VFR	
	TYPE OF FLIGHT PLAN					
	IFR					
	REMARKS- ICING REPORTED BY ANOTHER PILOT.					



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3799	7/25/80 TIME - 0713	PHILADELPHIA, PA	PIPER PA-31 N5MS DAMAGE-DESTROYED	CR- 2 0 0 PX- 1 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	ATP, FLIGHT INSTR., AGE 34, 3670 TOTAL HOURS, 117 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - PHILADELPHIA INTL DEPARTURE POINT INTENDED DESTINATION HAZELTON, PA PHILADELPHIA, PA TYPE OF ACCIDENT TURBULENCE COLLISION WITH GROUND/WATER: UNCONTROLLED LAST ENROUTE STOP READING, PA PHASE OF OPERATION LANDING: FINAL APPROACH LANDING: FINAL APPROACH PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. MISCELLANEOUS - VORTEX TURBULENCE REMARKS- ENCTRD WAKE TURBC WHILE LNDG APRX 52 SEC BHND & BLO GLIDE PATH OF BOEING 727, WND CALM.						
3-3800	5/2/80 TIME - 0634	EDWARDS AFB, CA	DOUGLAS DC-9 N980DC DAMAGE-SUBSTANTIAL	CR- 0 1 6 PX- 0 0 0	MISCELLANEOUS EXPERIMENTATION	AIRLINE TRANSPORT, AGE 57, 6000 TOTAL HOURS, 700 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - EDWARDS AFB DEPARTURE POINT INTENDED DESTINATION EDWARDS AFB, CA LOCAL TYPE OF ACCIDENT HARD LANDING PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER LEVEL OFF FACTOR(S) PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: FAILURE TO PROVIDE ADEQ. DIRECTIVES, MANUAL, EQUIPMENT MISCELLANEOUS ACTS, CONDITIONS - CREW COORDINATION-POOR REMARKS- LNDG CERTIF TEST. APCH NOT STBLZD BFR FLARE, EMPENNAGE SEPD. NO CALL-OUT RGRD-OTR CREW. INADQGT PROC.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3801	5/19/80 TIME - 1205	GULF OF MEXICO	LEARJET 25D N125NE DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 59, 15740 TOTAL HOURS, 6062 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT WEST PALM BEACH, FL	INTENDED DESTINATION NEW ORLEANS, LA			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: UNCONTROLLED		PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT		
PROBABLE CAUSE(S)						
WEATHER - TURBULENCE IN FLIGHT, CLEAR AIR						
COPILOT - IMPROPER OPERATION OF FLIGHT CONTROLS						
PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						
FACTOR(S)						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: OTHER						
INSTRUMENTS/EQUIPMENT AND ACCESSORIES - FLIGHT AND NAVIGATION INSTRUMENTS: OTHER						
MISCELLANEOUS ACTS, CONDITIONS - UNAPPROVED MODIFICATION						
PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: INADEQUATE FLIGHT TRAINING-PROCEDURES						
MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
		SKY CONDITION SCATTERED	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TEMPERATURE-F 82			
		WIND DIRECTION-DEGREES 140	WIND VELOCITY-KNOTS 9			
		TYPE OF WEATHER CONDITIONS VFR	TYPE OF FLIGHT PLAN IFR			
REMARKS- CAT, FL430. MRGL CTL ABV MACH LMT. UNAUZ MACH WRNG DSCNCT SW INSTLD. AFM/EM TRNG-SPOILERS, INCONSISTENT						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3802	1/24/80 TIME - 1330	RANDOLPH, VT	CESSNA 210L N94069 DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 35, 350 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT WARREN, VT	INTENDED DESTINATION PORTLAND, ME				
	TYPE OF ACCIDENT COLLIDED WITH: TREES				PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS MISCELLANEOUS ACTS, CONDITIONS - WHITEOUT					
	FACTOR(S) WEATHER - LOW CEILING WEATHER - SNOW WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED					
	SKY CONDITION UNKNOWN/NOT REPORTED VISIBILITY AT ACCIDENT SITE ZERO OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TYPE OF WEATHER CONDITIONS IFR FIRE AFTER IMPACT				CEILING AT ACCIDENT SITE 0 PRECIPITATION AT ACCIDENT SITE SNOW TEMPERATURE-F 32 TYPE OF FLIGHT PLAN NONE	
	REMARKS- WRECKAGE NEVER LOCATED.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
C-0005	6/8/80 TIME - 0905	LOS ANGELES, CA	LOCKHEED L-1011 CF-TNF DAMAGE-NONE	CR- 0 0 14 PX- 0 0138	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 48, 20000 TOTAL HOURS, 700 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - LOS ANGELES INTL						
OPERATOR - AIR CANADA						
DEPARTURE POINT		INTENDED DESTINATION				
LOS ANGELES, CA		TORONTO, CANADA				
TYPE OF ACCIDENT			PHASE OF OPERATION			
FIRE OR EXPLOSION: ON GROUND			STATIC: STARTING ENGINE(S)			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - IMPROPER STARTING PROCEDURES						
FACTOR(S)						
POWERPLANT - FUEL SYSTEM: FUEL CONTROL						
MISCELLANEOUS ACTS, CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT						
MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE						
REMARKS- HUNG START, HI TGT. 6 PAX RECEIVED MINOR INJURIES DURING EVACUATION.						

U. S. GENERAL AVIATION TABLES



# ANALYTIC TABLE

## TYPE OF AIRCRAFT AND CONDITIONS OF LIGHT

### CONDITIONS OF LIGHT

<u>TYPE OF AIRCRAFT</u>	DAWN	DAYLIGHT	DUSK / TWILIGHT	NIGHT / DARK	NIGHT / BRIGHT	UNKNOWN / NOT REPORTED	RECORDS	ACCIDENTS
FIXED-WING	33	2723	137	358	53	29	3333	3298
HELICOPTER	6	255	13	12	4		290	290
GLIDER		60					60	59
BALLOON		23	1				24	23
BLIMP								
DIRIGIBLE								
ROCKET								
CONVERTIPLANE								
GYROPLANE		15					15	15
OTHER		1					1	1
OTHER								
RECORDS	39	3077	151	370	57	29	3723	
ACCIDENTS	39	3041	150	369	57	29		3684

# ANALYTIC TABLE

## KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING	PILOT CERTIFICATE										RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL INSTR.	COMMERCIAL/ FL INSTR.	ATR/ FL INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED		
<u>INSTRUCTIONAL</u>												
DUAL		1	14		136	31			1		183	182
SOLO	131	6	2	1							140	138
CHECK		5	3		2						10	10
TRAINING	83	5	4	1	3	2					98	98
<u>NONCOMMERCIAL</u>												
PLEASURE	90	1242	319	27	3	121	33		24	1	1860	1851
PRACTICE	32	48	19	4		6	1		1		111	111
BUSINESS	2	154	68	5	1	30	5	1		1	267	264
CORPORATE/EXECUTIVE		2	28	27		14	13				84	84
AERIAL SURVEY		6	6	2		2					16	16
COMPANY FLIGHT			1	1							2	2
OTHER			6	1		1		1	1		10	10
<u>COMMERCIAL</u>												
AERIAL APPLICATION		5	144	4		31	8				192	191
CROP CONTROL RELATED FLIGHT		1	129	3		39	12				184	183
FIRE CONTROL						1					1	1
FIRE CONTROL RELATED FLIGHT			1				1				2	2
AERIAL MAPPING/PHOTOGRAPHY		1	9	1		2	1				14	14



# ANALYTIC TABLE

## KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING	PILOT CERTIFICATE								RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER		
AERIAL ADVERTISING		7	2		1	1			11	11
POWER AND PIPELINE PATROL		5	2		5				12	12
FISH SPOTTING		1				1			2	2
AIR TAXI-PASSENGER OPERATIONS		64	27		26	21			138	137
AIR TAXI-CARGO OPERATIONS		17	17		13	8			55	55
CONSTRUCTION WORK		5	1		2	2			10	10
SCHEDULED PASSENGER SERVICE										
SCHEDULED CARGO SERVICE										
INTRA-STATE CHARTER PASSG.										
INTRA-STATE CHARTER CARGO.										
MILITARY CONTRACT-PASSENGER										
MILITARY CONTRACT-CARGO										
CHARTER CARGO-DOMESTIC			2	1					3	3
CHARTER PASSG-DOMESTIC			1						1	1
CHARTER-CARGO-INTERNATIONAL				1					1	1
CHARTER-PASSG-INTERNATIONAL										
OTHER	2	12	2		2			1	19	19
UNKNOWN/NOT REPORTED		1							1	1
<u>MISCELLANEOUS</u>										
EXPERIMENTATION	1				1	1			3	3
TEST	18	18	4		9	5			54	54
DEMONSTRATION	3	6	3		5	2			19	19

# ANALYTIC TABLE

## KIND OF FLYING BY PILOT CERTIFICATE

KIND OF FLYING	PILOT CERTIFICATE										RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL INSTR.	COMMERCIAL/ FL INSTR.	ATR / FL INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED		
FERRY	1	28	40	5	20	11			1	1	107	107
SEARCH AND RESCUE		3	1		1	1					6	6
AIR SHOW/AIR RACING		5	5	1	9						20	19
PARACHUTE JUMP		4	6	2	1	2					15	15
PARACHUTE JUMP-AIR SHOW		1									1	1
TOWING GLIDERS		1	3		2						6	6
SEEDING CLOUDS												
HUNTING			1								1	1
POLICE PATROL												
HIGHWAY TRAFFIC ADVISORY					1						1	1
ALL OTHER PUBLIC FLYING			3	1	2	1	1				8	8
OTHER	1	4	6	1	1			3	9		25	25
UNKNOWN/NOT REPORTED	1	4	8	1	2			1	13		30	30
OTHER												
RECORDS	341	1550	965	148	4	490	164	2	31	28	3723	
ACCIDENTS	340	1541	962	148	4	488	164	2	31	28		3684

# ANALYTIC TABLE

## KIND OF FLYING BY INJURY INDEX

<u>KIND OF FLYING</u>	<u>INJURY INDEX</u>				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
<u>INSTRUCTIONAL</u>						
DUAL	19	16	27	121	183	182
SOLO	13	4	19	104	140	138
CHECK	3		2	5	10	10
TRAINING	6	1	13	78	98	98
<u>NONCOMMERCIAL</u>						
PLEASURE	370	198	324	968	1860	1851
PRACTICE	16	9	16	70	111	111
BUSINESS	76	23	33	135	267	264
CORPORATE/EXECUTIVE	30	10	6	38	84	84
AERIAL SURVEY	9		1	6	16	16
COMPANY FLIGHT		1		1	2	2
OTHER	3		2	5	10	10
<u>COMMERCIAL</u>						
AERIAL APPLICATION	24	39	29	100	192	191
CROP CONTROL RELATED FLIGHT	5	7	19	153	184	183
FIRE CONTROL			1		1	1
FIRE CONTROL RELATED FLIGHT	1		1		2	2
AERIAL MAPPING/PHOTOGRAPHY	2	3	2	7	14	14

# ANALYTIC TABLE

## KIND OF FLYING BY INJURY INDEX

<u>KIND OF FLYING</u>	<u>INJURY INDEX</u>				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
AERIAL ADVERTISING	1	2	3	5	11	11
POWER AND PIPELINE PATROL	4	1	1	6	12	12
FISH SPOTTING				2	2	2
AIR TAXI-PASSENGER OPERATIONS	36	13	29	60	138	137
AIR TAXI-CARGO OPERATIONS	15	4	4	32	55	55
CONSTRUCTION WORK	2	3		5	10	10
SCHEDULED PASSENGER SERVICE						
SCHEDULED CARGO SERVICE						
INTRA-STATE CHARTER PASSG.						
INTRA-STATE CHARTER CARGO.						
MILITARY CONTRACT-PASSENGER						
MILITARY CONTRACT-CARGO						
CHARTER CARGO-DOMESTIC	1	1		1	3	3
CHARTER PASSG-DOMESTIC		1			1	1
CHARTER-CARGO-INTERNATIONAL				1	1	1
CHARTER-PASSG-INTERNATIONAL						
OTHER	5	4	3	7	19	19
UNKNOWN/NOT REPORTED				1	1	1
<u>MISCELLANEOUS</u>						
EXPERIMENTATION		1	1	1	3	3
TEST	11	7	8	28	54	54
DEMONSTRATION	3	1	6	9	19	19

# ANALYTIC TABLE

## KIND OF FLYING BY INJURY INDEX

<u>KIND OF FLYING</u>	<u>INJURY INDEX</u>				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
FERRY	17	7	26	57	107	107
SEARCH AND RESCUE	4		1	1	6	6
AIR SHOW/AIR RACING	7	5	3	5	20	19
PARACHUTE JUMP	3	2	2	8	15	15
PARACHUTE JUMP-AIR SHOW	1				1	1
TOWING GLIDERS	1		2	3	6	6
SEEDING CLOUDS						
HUNTING		1			1	1
POLICE PATROL						
HIGHWAY TRAFFIC ADVISORY				1	1	1
ALL OTHER PUBLIC FLYING	6		2		8	8
OTHER	8	4		13	25	25
UNKNOWN/NOT REPORTED	11		4	15	30	30
OTHER						
RECORDS	713	368	590	2052	3723	
ACCIDENTS	700	365	585	2034		3684

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY INJURY INDEX

FIRST TYPE OF ACCIDENT	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
GROUND-WATER LOOP-SWERVE	3	7	33	340	383	383
DROGGED WINGTIP POD OR FLOAT				2	2	2
WHEELS-UP LANDING		1	1	56	58	58
WHEELS-DOWN LANDING IN WATER	1		1	5	7	7
GEAR COLLAPSED			3	50	53	53
GEAR RETRACTED			1	38	39	39
HARD LANDING	3	13	21	172	209	209
NOSE OVER/DOWN		1	8	90	99	99
ROLL OVER	2	2	10	12	26	26
OVERSHOOT	4	6	30	128	168	168
UNDERSHOOT	9	17	22	67	115	115
<u>COLLISION BETWEEN AIRCRAFT</u>						
BOTH IN FLIGHT	26	6	6	22	60	30
ONE AIRCRAFT			2		2	1
BOTH ON GROUND			2	12	14	8
<u>COLLISION WITH GROUND/WATER</u>						
CONTROLLED	135	22	40	49	246	246
UNCONTROLLED	111	17	9	9	146	146
<u>COLLIDED WITH</u>						

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY INJURY INDEX

FIRST TYPE OF ACCIDENT	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
WIRES/POLES	49	28	22	57	156	156
TREES	67	26	34	46	173	173
RESIDENCE/S	2				2	2
BUILDING/S	1	1	1	7	10	10
FENCE, FENCEPOSTS			8	37	45	45
ELECTRONIC TOWERS	6	1			7	7
RUNWAY OR APPROACH LIGHTS	1			5	6	6
AIRPORT HAZARD				7	7	7
ANIMALS				5	5	5
CROP	1		4	10	15	15
FLAGMAN LOADER						
DITCHES		1	3	27	31	31
SNOWBANK			1	9	10	10
PARKED AIRCRAFT (UNATTENDED)			1	12	13	13
AUTOMOBILE	1		2	6	9	9
DIRT BANK		3	8	23	34	34
OTHER	5	4	12	60	81	81
BIRD STRIKE	2			2	4	4
<u>STALL</u>	38	43	16	32	129	129
SPIN	59	7	5	1	72	72
SPIRAL	4				4	4
MUSH	19	19	25	65	128	128

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY INJURY INDEX

FIRST TYPE OF ACCIDENT	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
<u>FIRE OR EXPLOSION</u>						
IN FLIGHT	5	4	4		13	13
ON GROUND		2	6		8	8
<u>AIRFRAME FAILURE</u>	1		1		2	2
IN FLIGHT	47	1	3	7	58	58
ON GROUND			1	8	9	9
ENGINE TEARAWAY				1	1	1
ENGINE FAILURE OR MALFUNCTION	83	122	237	510	952	952
<u>PROPELLER/ROTOR FAILURE</u>				2	2	2
PROPELLER		2	3	16	21	21
TAIL ROTOR	1	5	3	9	16	18
MAIN ROTOR	2		2	8	12	12
PROP ROTOR ACDNT TO PERSON	2	6			8	8
JET INTAKE/EXH ACDNT TO PERS						
PROPELLER/JET/ROTOR BLAST				1	1	1
TURBULENCE	2	2	3	3	10	10
HAIL DAMAGE TO AIRCRAFT				1	1	1
LIGHTNING STRIKE						
EVASIVE MANEUVER						
UNCONTROLLED ALT DEVIATION						
DITCHING	1		3		4	4
MISSING ACFT NOT RECOVERED	10				10	10



# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY INJURY INDEX

FIRST TYPE OF ACCIDENT	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
MISCELLANEOUS/OTHER	1	5	1	5	12	12
UNDETERMINED	9			4	13	13
OTHER						
RECORDS	713	368	590	2052	3723	
ACCIDENTS	700	365	585	2034		3684

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS
	DESTROYED	SUBSTANTIAL	MINOR	NONE		
GROUND-WATER LOOP-SWERVE	32	351			383	383
DROGGED WINGTIP, POD OR FLOAT		2			2	2
WHEELS-UP LANDING	1	57			58	58
WHEELS-DOWN LANDING IN WATER	1	6			7	7
GEAR COLLAPSED	1	52			53	53
GEAR RETRACTED	3	36			39	39
HARD LANDING	23	183		3	209	209
NOSE OVER/DOWN	4	95			99	99
ROLL OVER	5	21			26	26
OVERSHOOT	18	149	1		168	168
UNDERSHOOT	27	88			115	115
<u>COLLISION BETWEEN AIRCRAFT</u>						
BOTH IN FLIGHT	30	24	5	1	60	30
ONE AIRBORNE	1		1		2	1
BOTH ON GROUND	1	11	2		14	8
<u>COLLISION WITH GROUND/WATER</u>						
CONTROLLED	156	90			246	246
UNCONTROLLED	122	24			146	146
<u>COLLIDED WITH</u>						

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS
	DESTROYED	SUBSTANTIAL	MINOR	NONE		
WIRES/POLES	79	77			156	156
TREES	106	67			173	173
RESIDENCE/S	1	1			2	2
BUILDING/S	2	8			10	10
FENCE, FENCEPOSTS	3	42			45	45
ELECTRONIC TOWERS	7				7	7
RUNWAY OR APPROACH LIGHTS	1	5			6	6
AIRPORT HAZARD		7			7	7
ANIMALS		5			5	5
CROP	2	13			15	15
FLAGMAN LOADER						
DITCHES	1	29		1	31	31
SNOWBANK	1	9			10	10
PARKED AIRCRAFT (UNATTENDED)	1	12			13	13
AUTOMOBILE	1	8			9	9
DIRT BANK	6	27		1	34	34
OTHER	11	69	1		81	81
BIRD STRIKE	2	1	1		4	4
<u>STALL</u>	63	66			129	129
SPIN	58	14			72	72
SPIRAL	3	1			4	4
MUSH	50	76	1	1	128	128

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE				RECORDS	ACCIDENTS
	DESTROYED	SUBSTANTIAL	MINOR	NONE		
<u>FIRE OR EXPLOSION</u>						
IN FLIGHT	8	5			13	13
ON GROUND	5	3			8	8
<u>AIRFRAME FAILURE</u>	1	1			2	2
IN FLIGHT	49	9			58	58
ON GROUND	2	7			9	9
ENGINE TEARAWAY		1			1	1
ENGINE FAILURE OR MALFUNCTION	244	707		1	952	952
<u>PROPELLER/ROTOR FAILURE</u>		2			2	2
PROPELLER	5	16			21	21
TAIL ROTOR	8	10			18	18
MAIN ROTOR	4	8			12	12
PROP ROTOR ACDNT TO PERSON		2	6		8	8
JET INTAKE/EXH ACDNT TO PERS						
PROPELLER/JET/ROTOR BLAST		1			1	1
TURBULENCE	6	4			10	10
HAIL DAMAGE TO AIRCRAFT		1			1	1
LIGHTNING STRIKE						
EVASIVE MANEUVER						
UNCONTROLLED ALT DEVIATION						
DITCHING	2	2			4	4
MISSING ACFT NOT RECOVERED	10				10	10

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY AIRCRAFT DAMAGE

FIRST TYPE OF ACCIDENT	AIRCRAFT DAMAGE					RECORDS	ACCIDENTS
	DESTROYED	SUBSTANTIAL	MINOR	NONE			
MISCELLANEOUS/OTHER	3	8	1			12	12
UNDETERMINED	12	1				13	13
OTHER							
RECORDS	1182	2514	18	7	2	3723	
ACCIDENTS	1170	2504	18	7	2		3684

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

FIRST TYPE OF ACCIDENT	PILOT CERTIFICATE										RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED		
GROUND-WATER LOOP-SERVE	69	159	78	10	1	47	11		4	4	383	383
DROGGED WINGTIP POD OR FLOAT		2									2	2
WHEELS-UP LANDING	2	21	12	11	1	4	6			1	58	58
WHEELS-DOWN LANDING IN WATER			5			2					7	7
GEAR COLLAPSED	3	24	13	5		4	2		1	1	53	53
GEAR RETRACTED		16	13	2		7	1				39	39
HARD LANDING	66	75	20	6		30	10		1	1	209	209
NOSE OVER/DOWN	15	42	23	2		11	5			1	99	99
ROLL OVER		1	16			6	3				26	26
OVERSHOOT	18	103	24	2		17	2		2		168	168
UNDERSHOOT	11	58	21	2	1	13	7		1	1	115	115
<u>COLLISION BETWEEN AIRCRAFT</u>												
BOTH IN FLIGHT	4	27	12	3		11	2	1			60	30
ONE AIRBORNE		2									2	1
BOTH ON GROUND	1	6	2	3		2					14	8
<u>COLLISION WITH GROUND/WATER</u>												
CONTROLLED	14	98	72	15		28	15		2	2	246	246
UNCONTROLLED	12	72	33	8		15	4		1	1	146	146
<u>COLLIDED WITH</u>												

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

FIRST TYPE OF ACCIDENT	PILOT CERTIFICATE										RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL INSTR.	COMMERCIAL/ FL INSTR.	ATR / FL INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED		
WIRES/POLES	8	49	70	1	18	9			1		156	156
TREES	5	87	49	4	21	4			3		173	173
RESIDENCE/S	1								1		2	2
BUILDING/S	3	2	3		1				1		10	10
FENCE, FENCEPOSTS	2	26	10	1	4	2					45	45
ELECTRONIC TOWERS		3	2	1		1					7	7
RUNWAY OR APPROACH LIGHTS	3	2			1						6	6
AIRPORT HAZARD		2	1	1	3						7	7
ANIMALS		4	1								5	5
CROP	2	9	3	1							15	15
FLAGMAN LOADER												
DITCHES		11	7	1	10	1			1		31	31
SNOWBANK		4	2		2	2					10	10
PARKED AIRCRAFT (UNATTENDED)	1	8	1			2			1		13	13
AUTOMOBILE		2	4	1	2						9	9
DIRT BANK	5	13	11		5						34	34
OTHER	8	32	15	8	11	5		1	1		81	81
BIRD STRIKE			1	1		1		1			4	4
<u>STALL</u>	12	56	34	5	14	5		3			129	129
SPIN	6	26	17	4	12	4		3			72	72
SPIRAL		2	2								4	4
MUSH	3	52	40	4	25	4					128	128

# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

FIRST TYPE OF ACCIDENT	PILOT CERTIFICATE										RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL INSTR.	COMMERCIAL/ FL INSTR.	ATR/ FL INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED		
<u>FIRE OR EXPLOSION</u>												
IN FLIGHT	1	4	4	1		2	1				13	13
ON GROUND	1	4	1		1		1				8	8
<u>AIRFRAME FAILURE</u>		1				1					2	2
IN FLIGHT	1	35	12	1		6	2		1		58	58
ON GROUND	1	2	4			1	1				9	9
ENGINE TEARAWAY			1								1	1
ENGINE FAILURE OR MALFUNCTION	62	379	278	36		141	42	1	8	5	952	952
<u>PROPELLER/ROTOR FAILURE</u>			1	1							2	2
PROPELLER		10	7	1		2	1				21	21
TAIL ROTOR		1	11	3		3					18	18
MAIN ROTOR		1	6			2	3				12	12
PROP ROTOR ACDNT TO PERSON		4	1	2			1				8	8
JET INTAKE/EXH ACDNT TO PERS												
PROPELLER/JET/ROTOR BLAST				1							1	1
TURBULENCE		5	4			1					10	10
HAIL DAMAGE TO AIRCRAFT							1				1	1
LIGHTNING STRIKE												
EVASIVE MANEUVER												
UNCONTROLLED ALT DEVIATION												
DITCHING	1	1	2								4	4
MISSING ACFT NOT RECOVERED		3	6				1				10	10



# ANALYTIC TABLE

## FIRST TYPE OF ACCIDENT BY PILOT CERTIFICATE

FIRST TYPE OF ACCIDENT	PILOT CERTIFICATE										RECORDS	ACCIDENTS
	STUDENT	PRIVATE	COMMERCIAL	ATR	PRIVATE/ FL. INSTR.	COMMERCIAL/ FL. INSTR.	ATR/ FL. INSTR.	OTHER	NONE	UNKNOWN/ NOT REPORTED		
MISCELLANEOUS/OTHER	1	8			2	1					12	12
UNDETERMINED	3	2			3	1			4		13	13
OTHER												
RECORDS	341	1550	965	148	4	490	164	2	31	28	3723	
ACCIDENTS	340	1541	962	148	4	488	164	2	31	28		3684

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
<u>STATIC</u>						
STARTING ENGINE/S		1		2		
IDLING ENGINE/S	1	3		4	3	3
ENGINE RUNUP	1			1	8	8
IDLING ROTORS		1		1	2	2
PARKED-ENGINES NOT OPERATING				1	2	2
OTHER		1			1	1
<u>TAXI</u>						
TO TAKEOFF				34		
FROM LANDING	1	2		42	34	34
OTHER		2		9	45	45
GROUND TAXI TO TAKEOFF					11	11
GROUND TAXI FROM LANDING						
GROUND TAXI, OTHER				1		
AERIAL TAXI TO TAKEOFF				3	1	1
AERIAL TAXI TO/FROM LANDING					3	3
AERIAL TAXI, OTHER		1		4		
<u>TAKEOFF</u>						
RUN	5	5	21	140	5	5
					171	171

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
INITIAL CLIMB	85	82	104	224	495	494
VERTICAL	1	3	16	8	28	28
RUNNING (ROTORCRAFT/VTOL-STOL)				2	2	2
ABORTED (FIXED-WING)	1	3	14	47	65	65
ABORTED (ROTORCRAFT/VTOL)				1	1	1
ABORTED (ROTORCRAFT/STOL)				2	2	2
OTHER	2	1		2	5	5
<u>INFLIGHT</u>						
CLIMB TO CRUISE	28	10	24	35	97	97
NORMAL CRUISE	130	55	109	213	507	499
DESCENDING	17	3	11	42	73	73
HOLDING (IFR)			1		1	1
HOVERING	1	2	7	12	22	22
POWER-ON DESCENT (ROTORCRAFT)						
AUTOROTATIVE DESCENT		1	1	1	3	3
ACROBATICS	42	5	1	3	51	51
BUZZING	25	3	3		31	31
UNCONTROLLED DESCENT	88	4	1	3	96	96
EMERGENCY DESCENT						
LOW PASS	31	8	15	13	67	67
OTHER	84	18	21	30	153	153
EN ROUTE TO TREAT CROP	1	2	1	4	8	8

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
EN ROUTE TO RELOADING AREA	1	1	1	3	6	6
SURVEY FIELD/AREA	1		3	2	6	6
STARTING SWATH RUN	2	5	3	13	23	23
SWATH RUN	4	12	5	32	53	53
FLAREOUT FOR SWATH RUN				2	2	2
PULLUP FROM SWATH RUN	6	5	4	20	35	35
PROCEDURE TURNAROUND	10	14	14	27	65	65
CLEANUP SWATH	1	2		3	6	6
MANEUVER TO AVOID OBSTRUCTION		1	1		2	2
RETURN TO STRIP		1	2	8	11	11
<u>LANDING</u>						
TRAFFIC PATTERN-CIRCLING	27	17	27	32	103	101
FINAL APPROACH (VFR)	35	40	42	122	239	231
INITIAL APPROACH	4		1	1	6	6
FINAL APPROACH (IFR)	23	4	6	3	36	36
LEVEL OFF/TOUCHDOWN	13	28	58	433	532	530
ROLL (FIXED WING)	2	5	34	378	419	419
ROLL-ON/RUN-ON (ROTORCRAFT)				2	2	2
POWER-ON LANDING (ROTORCRAFT)	1	2	8	13	24	24
POWER-OFF AUTOROTATIVE LDG	1	1	3	19	24	24
GO-AROUND (VFR)	9	12	20	39	80	80
MISSED APPROACH (IFR)	6	3		1	10	10

# ANALYTIC TABLE

## FIRST PHASE OF OPERATION BY INJURY INDEX

FIRST OPERATIONAL PHASE	INJURY INDEX				RECORDS	ACCIDENTS
	FATAL	SERIOUS	MINOR	NONE		
OTHER	3	3	3	8	17	17
UNKNOWN/NOT REPORTED	20			7	27	27
OTHER	1				1	1
RECORDS	713	368	590	2052	3723	
ACCIDENTS	700	365	585	2034		3684

INJURIES, ACCIDENTS  
SUPPLEMENTAL ISSUE  
U. S. GENERAL AVIATION

1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	662	320	543	2198		3723
COPILOT	45	12	12	55		124
DUAL STUDENT	18	13	24	130		185
CHECK PILOT	2		2	6		10
FLIGHT ENGINEER	2			1		3
NAVIGATOR		1	1			2
CABIN ATTENDANT		1		2		3
EXTRA CREW	7	1	2	11		21
PASSENGERS	648	302	461	1862		3273
 TOTAL	 1384	 650	 1045	 4265	 ABOARD	 7344
 OTHER AIRCRAFT						
OTHER GROUND	6	4	13	2		25
 GRAND TOTAL	 1390	 654	 1058	 4267		 7369

INVOLVES 3684 TOTAL ACCIDENTS  
INVOLVES 700 FATAL ACCIDENTS

INJURIES, ACCIDENTS  
SMALL FIXED-WING AIRCRAFT (INCLUDES GLIDERS)  
U. S. GENERAL AVIATION  
SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	629	277	481	2056		3443
COPILOT	41	12	11	59		123
DUAL STUDENT	16	10	19	111		156
CHECK PILOT	2		1	5		8
FLIGHT ENGINEER	1					1
NAVIGATOR		1	1			2
CABIN ATTENDANT		1				1
EXTRA CREW	5	1	1	4		11
PASSENGERS	608	274	399	1827		3108
TOTAL	1302	576	913	4062	ABOARD	6853
* OTHER AIRCRAFT	5	3	2	110		120
OTHER GROUND	3	3	10	2		18
GRAND TOTAL	1310	582	925	4174		6991

INVOLVES 3408 TOTAL ACCIDENTS  
INVOLVES 662 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
 ROTORCRAFT  
 U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
 1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	26	36	57	171		290
COPILOT	1			1		2
DUAL STUDENT	2	3	5	19		29
CHECK PILOT			1	1		2
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT				2		2
EXTRA CREW	1			2		3
PASSENGERS	33	19	58	120		230
 TOTAL	 63	 58	 121	 316	 ABOARD	 558
 * OTHER AIRCRAFT		1	2			3
OTHER GROUND	3	1	3			7
 GRAND TOTAL	 66	 60	 126	 316		 568

INVOLVES 290 TOTAL ACCIDENTS  
 INVOLVES 33 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.



INJURIES, ACCIDENTS  
LARGE FIXED-WING AIRCRAFT  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	6	1		9		16
COPILOT	4			8		12
DUAL STUDENT				1		1
CHECK PILOT						
FLIGHT ENGINEER	1			1		2
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW	1		1	5		7
PASSENGERS	9	2	1	4		16
 TOTAL	 21	 3	 2	 28	 ABOARD	 54
 * OTHER AIRCRAFT	 14					 14
OTHER GROUND						
 GRAND TOTAL	 35	 3	 2	 28		 68

INVOLVES 16 TOTAL ACCIDENTS  
INVOLVES 7 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
KIND OF FLYING  
INSTRUCTIONAL

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	38	18	60	315		431
COPILOT		1		3		4
DUAL STUDENT	17	13	24	126		180
CHECK PILOT	2		2	6		10
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT				4		4
EXTRA CREW				19		31
PASSENGERS	6	1	5			
TOTAL	63	33	91	473	ABOARD	660
* OTHER AIRCRAFT	7		1	7		15
OTHER GROUND						
GRAND TOTAL	70	33	92	480		675

INVOLVES 428 TOTAL ACCIDENTS  
INVOLVES 40 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
KIND OF FLYING  
NONCOMMERCIAL - PLEASURE  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	345	160	293	1062		1860
COPILOT	16	6	7	15		44
DUAL STUDENT				2		2
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR		1	1			2
CABIN ATTENDANT						
EXTRA CREW	1			2		3
PASSENGERS	355	188	315	1251		2109
TOTAL	717	355	616	2332	ABOARD	4020
* OTHER AIRCRAFT	7	1		24		32
OTHER GROUND	4	2	5			11
GRAND TOTAL	728	358	621	2356		4063

INVOLVES 1851 TOTAL ACCIDENTS  
INVOLVES 367 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
KIND OF FLYING  
NONCOMMERCIAL - BUSINESS  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	74	22	30	141		267
COPILOT	4	1	1	1		7
DUAL STUDENT						
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW						
PASSENGERS	67	21	31	137		256
TOTAL	145	44	62	279	ABOARD	530
* OTHER AIRCRAFT				25		25
OTHER GROUND						
GRAND TOTAL	145	44	62	304		555

INVOLVES 264 TOTAL ACCIDENTS  
INVOLVES 74 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
KIND OF FLYING  
NONCOMMERCIAL - CORPORATE/EXECUTIVE  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	30	8	5	41		84
COPILOT	8			8		16
DUAL STUDENT						
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW						
PASSENGERS	61	18	13	61		153
TOTAL	99	26	18	110	ABOARD	253
* OTHER AIRCRAFT				4		4
OTHER GROUND		1	3			4
GRAND TOTAL	99	27	21	114		261

INVOLVES 84 TOTAL ACCIDENTS  
INVOLVES 30 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
KIND OF FLYING  
AERIAL APPLICATION (INCLUDES FIRE CONTROL)  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1961

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	28	45	49	257		379
COPILOT *				1		1
DUAL STUDENT						
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW			1	3		4
PASSENGERS	6	1				7
TOTAL	34	46	50	261	ABOARD	391
OTHER AIRCRAFT						
OTHER GROUND	2		2			4
GRAND TOTAL	36	46	52	261		395

INVOLVES 377 TOTAL ACCIDENTS  
INVOLVES 30 FATAL ACCIDENTS

INJURIES, ACCIDENTS  
KIND OF FLYING  
AIR TAXI - PASSENGER/CARGO  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	40	16	25	112		193
COPILOT	5		2	13		20
DUAL STUDENT						
CHECK PILOT						
FLIGHT ENGINEER	1					1
NAVIGATOR						
CABIN ATTENDANT		1		1		2
EXTRA CREW	1					1
PASSENGERS	78	42	56	254		430
TOTAL	125	59	83	380	ABOARD	647
* OTHER AIRCRAFT	4	3	1	4		12
OTHER GROUND			1	1		2
GRAND TOTAL	129	62	85	385		661

INVOLVES 192 TOTAL ACCIDENTS  
INVOLVES 50 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.

INJURIES, ACCIDENTS  
TYPE OF ACCIDENT  
OVERSHOOT  
U. S. GENERAL AVIATION  
SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	4	2	25	137		168
COPILOT				2		2
DUAL STUDENT		1		2		3
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR						
CABIN ATTENDANT						
EXTRA CREW						
PASSENGERS	3	4	25	170		202
TOTAL	7	7	50	311	ABOARD	375
* OTHER AIRCRAFT				1		1
OTHER GROUND						
GRAND TOTAL	7	7	50	312		376

INVOLVES 168 TOTAL ACCIDENTS  
INVOLVES 4 FATAL ACCIDENTS

\* INJURIES CARRIED OPPOSITE OTHER-AIRCRAFT ARE INJURIES OCCURRING IN AIRCRAFT THAT ARE NOT PART OF THIS SUBJECT TABULATION, BUT WERE PART OF THE TOTAL INJURIES INVOLVED IN COLLISIONS BETWEEN AIRCRAFT.



INJURIES, ACCIDENTS  
TYPE OF ACCIDENT  
UNDERSHOOT  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	7	16	21	72		116
COPILOT				1		1
DUAL STUDENT		1	1	9		11
CHECK PILOT						
FLIGHT ENGINEER						
NAVIGATOR		1	1			2
CABIN ATTENDANT						
EXTRA CREW						
PASSENGERS	3	8	18	56		85
TOTAL	10	26	41	138	ABOARD	215
OTHER AIRCRAFT						
OTHER GROUND						
GRAND TOTAL	10	26	41	138		215

INVOLVES 116 TOTAL ACCIDENTS  
INVOLVES 9 FATAL ACCIDENTS

INJURIES, ACCIDENTS  
TYPE OF ACCIDENT  
COLLISION WITH OBJECTS  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	149	131	234	823		1337
COPILOT	5	4	3	12		24
DUAL STUDENT	1	3	9	44		57
CHECK PILOT	1			1		2
FLIGHT ENGINEER						
NAVIGATOR		1	1			2
CABIN ATTENDANT						
EXTRA CREW				1		1
PASSENGERS	134	107	203	693		1137
TOTAL	290	246	450	1574	ABOARD	2560
OTHER AIRCRAFT						
OTHER GROUND	1	3	8	2		14
GRAND TOTAL	291	249	458	1576		2574

INVOLVES 1337 TOTAL ACCIDENTS  
INVOLVES 165 FATAL ACCIDENTS

INJURIES, ACCIDENTS  
TYPE OF ACCIDENT  
STALL-SPIN, SPIRAL, MUSH  
U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE  
1981

	INJURIES					TOTAL
	FATAL	SERIOUS	MINOR	NONE	UNKNOWN	
PILOT	148	76	62	128		414
COPILOT	5	2	3	1		11
DUAL STUDENT	6	5	4	3		18
CHECK PILOT	1					1
FLIGHT ENGINEER						
NAVIGATOR		1				1
CABIN ATTENDANT		1		1		4
EXTRA CREW	2					
PASSENGERS	104	69	67	125		365
TOTAL	266	154	136	258	ABOARD	814
OTHER AIRCRAFT						
OTHER GROUND	1		2			3
GRAND TOTAL	267	154	138	258		817

INVOLVES 414 TOTAL ACCIDENTS  
INVOLVES 153 FATAL ACCIDENTS

CAUSE/FACTOR TABLE  
SUPPLEMENTAL ISSUE  
U. S. GENERAL AVIATION ACCIDENTS

1981

(EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 3681 TOTAL ACCIDENTS  
INVOLVES 697 FATAL ACCIDENTS

BROAD CAUSE/FACTOR -----	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PILOT	591	121	602	2275	216	2295	2866	337	2897
	84.79	17.36	86.37	76.24	7.24	76.91	77.86	9.16	78.70
PERSONNEL	50	27	72	234	53	282	284	80	354
	7.17	3.87	10.33	7.84	1.78	9.45	7.72	2.17	9.62
AIRFRAME	11	30	39	10	8	18	21	38	57
	1.58	4.30	5.60	.34	.27	.60	.57	1.03	1.55
LANDING GEAR	1		1	109	27	133	110	27	134
	.14	.00	.14	3.65	.90	4.46	2.99	.73	3.64
POWERPLANT	49	6	54	528	66	573	577	72	627
	7.03	.86	7.75	17.69	2.21	19.20	15.68	1.96	17.03
SYSTEMS	9	2	11	32	24	56	41	26	67
	1.29	.29	1.58	1.07	.80	1.88	1.11	.71	1.82
INSTRUMENTS/EQUIPMENT & ACCESSORIES	1	4	5	1	7	8	2	11	13
	.14	.57	.72	.03	.23	.27	.05	.30	.35

THE FIGURES OPPOSITE EACH CAUSAL CATEGORY REPRESENT THE NUMBER AND PERCENT OF ACCIDENTS IN WHICH THAT PARTICULAR CAUSAL CATEGORY WAS ASSIGNED

\* IF AN ACCIDENT INCLUDES BOTH A CAUSE AND RELATED FACTOR IN THE SAME CAUSAL CATEGORY, THE ACCIDENT IS REPRESENTED ONCE UNDER THE TOTAL FOR THAT CATEGORY

# CAUSE/FACTOR TABLE

## CAUSE FACTOR SUMMARY (CONTINUED)

BROAD CAUSE/FACTOR -----	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*	CAUSE	FACTOR	TOTAL*
	-----	-----	-----	-----	-----	-----	-----	-----	-----
ROTORCRAFT	8 1.15	.00	8 1.15	38 1.27	3 .10	41 1.37	46 1.25	3 .08	49 1.33
AIRPORT/AIRWAYS/FACILITIES	1 .14	8 1.15	9 1.29	20 .67	291 9.75	311 10.42	21 .57	299 8.12	320 8.69
WEATHER	2 .29	290 41.61	292 41.89	30 1.01	699 23.42	722 24.20	32 .87	989 26.87	1014 27.55
TERRAIN		52 7.46	52 7.46	14 .47	587 19.67	600 20.11	14 .38	639 17.36	652 17.71
MISCELLANEOUS	20 2.87	10 1.43	29 4.16	96 3.22	73 2.45	167 5.60	116 3.15	83 2.25	196 5.32
UNDETERMINED	54 7.75		54 7.75	30 1.01		30 1.01	84 2.28		84 2.28

THE FIGURES OPPOSITE EACH CAUSAL CATEGORY REPRESENT THE NUMBER AND PERCENT OF ACCIDENTS IN WHICH THAT PARTICULAR CAUSAL CATEGORY WAS ASSIGNED

\* IF AN ACCIDENT INCLUDES BOTH A CAUSE AND RELATED FACTOR IN THE SAME CAUSAL CATEGORY, THE ACCIDENT IS REPRESENTED ONCE UNDER THE TOTAL FOR THAT CATEGORY

CAUSE/FACTOR TABLE  
SUPPLEMENTAL ISSUE  
U. S. GENERAL AVIATION ACCIDENTS

1981

(EXCLUDES ACCIDENTS WITHOUT CAUSAL ASSIGNMENT)

INVOLVES 3681 TOTAL ACCIDENTS  
INVOLVES 697 FATAL ACCIDENTS

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\-\\-\\-\\			\\-\\-\\-\\			\\-\\-\\-\\		
** PILOT **									
PILOT IN COMMAND									
ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT	11	5	16	21	7	28	32	12	44
ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL	18	7	25	11	3	14	29	10	39
BECAME LOST/DISORIENTED	12		12	23	6	29	35	6	41
CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS	116	5	121	54	6	60	170	11	181
CONTINUED INTO KNOWN AREA OF SEVERE TURBULENCE	5		5				5		5
DELAYED ACTION IN ABORTING TAKEOFF	1		1	56	1	57	57	1	58
DELAYED IN INITIATING GO-AROUND	7		7	93	2	95	100	2	102
DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT	19	2	21	45	5	50	64	7	71
EXCEEDED DESIGN STRESS LIMITS OF AIRCRAFT	30		30	4		4	34		34
FAILED TO EXTEND LANDING GEAR				17		17	17		17
FAILED TO RETRACT LANDING GEAR	2	1	3	6	2	8	8	3	11
RETRACTED GEAR PREMATURELY	1		1	2		2	3		3
INADVERTENTLY RETRACTED GEAR				13		13	13		13
FAILED TO SEE AND AVOID OTHER AIRCRAFT	21		21	37		37	58		58
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS	36		36	83		83	119		119
FAILED TO OBTAIN/MAINTAIN FLYING SPEED	136		136	210		210	346		346
MISJUDGED, SPEED, ALTITUDE OR CLEARANCE	12		12	6		6	18		18
FAILED TO MAINTAIN ADEQUATE ROTOR RPM	3		3	19	1	20	22	1	23
FAILED TO USE OR INCORRECTLY USED MISC EQUIPMENT	1	2	3	3	1	4	4	3	7
FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES ETC	17	10	27	49	9	58	66	19	85
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS	4	1	5	61	5	66	65	6	71
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				106	2	108	106	2	108
IMPROPER OPERATION OF FLIGHT CONTROLS	10	3	13	42		42	52	3	55
PREMATURE LIFT OFF	1		1	23	1	24	24	1	25
IMPROPER LEVEL OFF	1		1	170		170	171		171
IMPROPER IFR OPERATION	32	1	33	9	1	10	41	2	43
IMPROPER IN-FLIGHT DECISIONS OR PLANNING	35		35	78	5	83	113	5	118
IMPROPER COMPENSATION FOR WIND CONDITIONS	2		2	116		116	118		118
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING	61	27	88	317	26	343	378	53	431
INADEQUATE SUPERVISION OF FLIGHT	10		10	87		87	97		97
LACK OF FAMILIARITY WITH AIRCRAFT		18	18	6	82	88	6	100	106

## CAUSE/FACTOR TABLE

## MISMANAGEMENT OF FUEL (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
MISMANAGEMENT OF FUEL	22		22	227	1	228	249	1	250
EXERCISED POOR JUDGMENT	28	12	40	44	2	46	72	14	86
OPERATED CARELESSLY		1	1	1		1	1	1	2
SELECTED UNSUITABLE TERRAIN	7		7	178	2	180	185	2	187
STARTED ENGINE WITHOUT PROPER ASSISTANCE/EQUIPMENT				6		6	6		6
TAXIED/PARKED WITHOUT PROPER ASSISTANCE				6		6	6		6
FAILED TO ASSURE THE GEAR WAS DOWN AND LOCKED				18		18	18		18
INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS	29	1	30	20	4	24	49	5	54
SPONTANEOUS-IMPROPER ACTION	1	1	2	2		2	3	1	4
MISJUDGED DISTANCE, SPEED, AND ALTITUDE	8		8	30		30	38		38
MISJUDGED DISTANCE AND SPEED	5	1	6	163		163	168	1	169
MISJUDGED DISTANCE				1		1	1		1
MISJUDGED DISTANCE AND ALTITUDE	11		11	88		88	99		99
MISJUDGED SPEED AND ALTITUDE	1		1	10		10	11		11
MISJUDGED SPEED				3	1	4	3	1	4
MISJUDGED SPEED AND CLEARANCE				2		2	2		2
MISJUDGED ALTITUDE AND CLEARANCE	26		26	18		18	44		44
MISJUDGED ALTITUDE	18	1	19	6		6	24	1	25
MISJUDGED CLEARANCE	11		11	92	1	93	103	1	104
INADEQUATE TRAINING OF STUDENT				1		1	1		1
MISUNDERSTANDING OF ORDERS OR INSTRUCTIONS	1		1	1		1	2		2
IMPROPER RECOVERY FROM BOUNCED LANDING	1		1	86	1	87	87	1	88
INCAPACITATION	8	1	9		1	1	8	2	10
PHYSICAL IMPAIRMENT	27	17	44	5	6	11	32	23	55
SPATIAL DISORIENTATION	84		84	15		15	99		99
PSYCHOLOGICAL CONDITION		3	3					3	3
MISUSED OR FAILED TO USE FLAPS	3	8	11	14	24	38	17	32	49
LEFT AIRCRAFT UNATTENDED ENGINE RUNNING				2		2	2		2
FAILED TO MAINTAIN DIRECTIONAL CONTROL	1	1	2	160	2	162	161	3	164
SELECTED WRONG RUNWAY RELATIVE TO EXISTING WIND	6	2	8	50	15	65	56	17	73
FAILED TO ABORT TAKEOFF	8		8	59	2	61	67	2	69
FAILED TO INITIATE GO-AROUND				76	1	77	76	1	77
DIRECT ENTRIES	1	2	3				1	2	3
SUBTOTAL	911	133	1044	3151	228	3379	4062	361	4423
COPLOT									
FAILED TO EXTEND LANDING GEAR				1		1	1		1
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				1		1	1		1
IMPROPER LEVEL OFF				1		1	1		1
IMPROPER IFR OPERATION				1		1	1		1
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING				1		1	1		1
INADEQUATE SUPERVISION OF FLIGHT				2		2	2		2
LACK OF FAMILIARITY WITH AIRCRAFT					2	2		2	2

### CAUSE/FACTOR TABLE

## MISJUDGED DISTANCE AND SPEED (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\			\\			\\		
MISJUDGED DISTANCE AND SPEED				1		1	1		1
MISJUDGED DISTANCE AND ALTITUDE				1		1	1		1
MISUNDERSTANDING OF ORDERS OR INSTRUCTIONS				1		1	1		1
PHYSICAL IMPAIRMENT		1	1					1	1
SPATIAL DISORIENTATION	3		3				3		3
FAILED TO MAINTAIN DIRECTIONAL CONTROL				1		1	1		1
SUBTOTAL	3	1	4	11	2	13	14	3	17
DUAL STUDENT									
ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL				1		1	1		1
DELAYED IN INITIATING GO-AROUND				1		1	1		1
FAILED TO EXTEND LANDING GEAR				4		4	4		4
FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS				1		1	1		1
FAILED TO OBTAIN/MAINTAIN FLYING SPEED	5		5	2		2	7		7
FAILED TO MAINTAIN ADEQUATE ROTOR RPM				5		5	5		5
FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC				1		1	1		1
IMPROPER OPERATION OF POWERPLANT + POWERPLANT CONTROLS				4		4	4		4
IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS				10		10	10		10
IMPROPER OPERATION OF FLIGHT CONTROLS	1		1	5		5	6		6
PREMATURE LIFT-OFF				1		1	1		1
IMPROPER LEVEL OFF				13		13	13		13
IMPROPER COMPENSATION FOR WIND CONDITIONS				1		1	1		1
INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING				1		1	1		1
MISMANAGEMENT OF FUEL				2		2	2		2
SELECTED UNSUITABLE TERRAIN				1		1	1		1
FAILURE TO RELINQUISH CONTROL				3		3	3		3
CONTROL INTERFERENCE					1	1		1	1
SPONTANEOUS-IMPROPER ACTION				2		2	2		2
MISJUDGED DISTANCE, SPEED, AND ALTITUDE				1		1	1		1
MISJUDGED DISTANCE AND SPEED				4		4	4		4
MISJUDGED DISTANCE AND ALTITUDE				10		10	10		10
MISJUDGED SPEED AND ALTITUDE				1		1	1		1
MISJUDGED SPEED				1		1	1		1
MISJUDGED ALTITUDE AND CLEARANCE				2		2	2		2
MISJUDGED ALTITUDE				1		1	1		1
MISJUDGED CLEARANCE				1		1	1		1
IMPROPER RECOVERY FROM BOUNCED LANDING				1		1	1		1
SPATIAL DISORIENTATION	3		3				3		3
FAILED TO MAINTAIN DIRECTIONAL CONTROL				7		7	7		7
SUBTOTAL	9		9	87	1	88	96	1	97
CHECK PILOT									



# CAUSE/FACTOR TABLE

## INADEQUATE SUPERVISION OF FLIGHT (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	-----	-----	-----	-----	-----	-----	-----	-----	-----
INADEQUATE SUPERVISION OF FLIGHT	2		2	3		3	5		5
SUBTOTAL	2		2	3		3	5		5
** PERSONNEL **									
RULES, REGULATIONS, STANDARDS PERSONNEL	1	4	5		2	2	1	6	7
FLIGHT INSTRUCTOR									
INADEQUATE SUPERVISION OF FLIGHT	1	2	3	2	3	5	3	5	8
INADEQUATE TRAINING OF STUDENT		1	1		1	1		2	2
MAINTENANCE, SERVICING, INSPECTION									
IMPROPER MAINTENANCE(MAINTENANCE PERSONNEL)	1		1	19		19	20		20
IMPROPER MAINTENANCE(OWNER PERSONNEL)	2		2	4	1	5	6	1	7
IMPROPERLY SERVICED AIRCRAFT(GROUND CREW)	3		3	5		5	8		8
INADEQUATE INSPECTION OF AIRCRAFT(MAINTENANCE PERSONNEL)				3	1	4	3	1	4
INADEQUATE INSPECTION OF ACFT(OWNER-PILOT PERSONNEL)				3	1	4	3	1	4
INADEQUATE MAINTENANCE AND INSPECTION	13	6	19	92	19	111	105	25	130
OTHER	1		1	22		22	23		23
OPERATIONAL SUPERVISORY PERSONNEL									
INADEQUATE FLIGHT TRAINING-PROCEDURES		1	1		1	1		2	2
INADEQUATE GROUND TRAINING-PROCEDURES	1		1				1		1
INADEQUATE SUPERVISION OF FLIGHT CREW		2	2					2	2
INADEQUATE SUPERVISION/TRAINING OF RAMP CREWS		1	1	1		1	1	1	2
FAILURE TO PROVIDE ADEQ DIRECTIVES, MANUALS, EQUIPMENT	1	1	2	1		1	2	1	3
DEFICIENCY, COMPANY MAINTAINED EQMT, SERV, REGULATIONS	2		2	3	1	4	5	1	6
WEATHER PERSONNEL									
INCORRECT WEATHER FORECAST		1	1					1	1
INADEQUATE/INCORRECT WEATHER BRIEFING		3	3					3	3
TRAFFIC CONTROL PERSONNEL									
FAILURE TO ADVISE OF UNSAFE WEATHER CONDITION		2	2					2	2
FAILURE TO ADVISE OF UNSAFE AIRPORT CONDITION		1	1					1	1
FAILURE TO ADVISE OF OTHER TRAFFIC	3	2	5				3	2	5
ISSUED IMPROPER OR CONFLICTING INSTRUCTIONS	3		3				3		3
INADEQUATE SPACING OF AIRCRAFT	4		4				4		4
OTHER	2	3	5				2	3	5
AIRPORT SUPERVISORY PERSONNEL									
IMPROPER MAINTENANCE-AIRPORT FACILITIES				1	1	2	1	1	2
FAILURE TO NOTIFY OF UNSAFE COND/AND OR FAILURE TO MARK				5	2	7	5	2	7
IMPROPER/INADEQUATE SNOW REMOVAL				1		1	1		1
OTHER				1		1	1		1
AIRWAYS FACILITIES PERSONNEL									
OTHER		1	1		2	2		3	3
PRODUCTION-DESIGN-PERSONNEL									
SUBSTANDARD QUALITY CONTROL	2		2	8		8	10		10

# CAUSE/FACTOR TABLE

## PERSONNEL (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\	\\	\\	\\	\\	\\	\\	\\	\\
INCORRECT FACTORY INSTALLATION	2		2	2	1	3	4	1	5
POOR/INADEQUATE DESIGN	6	1	7	4	4	8	10	5	15
OTHER	3	1	4	8	2	10	11	3	14
MISCELLANEOUS-PERSONNEL									
PILOT OF OTHER AIRCRAFT	21		21	41	2	43	62	2	64
GROUND SIGNALMAN					1	1		1	1
SPECTATOR	1		1	1		1	2		2
GROUND CREWMAN	1		1	2	1	3	3	1	4
PASSENGER	1		1	16	5	21	17	5	22
DRIVER OF VEHICLE				8	1	9	8	1	9
OTHER		1	1	4	4	8	4	5	9
THIRD PILOT									
FLIGHT ENGINEER									
FLIGHT PERSONNEL									
DISPATCHING (AIR CARRIER ONLY)									
SUBTOTAL	75	34	109	257	56	313	332	90	422
** AIRFRAME **									
WINGS									
SPARS	5	27	32				5	27	32
RIBS, STRINGERS, CAP STRIPS		1	1					1	1
WING ATTACHMENT FITTINGS, BOLTS	2		2				2		2
WINGTIPS		2	2					2	2
OTHER				1		1	1		1
FUSELAGE									
BULKHEADS					1	1		1	1
FLOOR STRUCTURE					1	1		1	1
SKIN AND ATTACHMENTS					1	1		1	1
DOORS, DOOR FRAMES	1		1	1	1	2	2	1	3
WINDSHIELDS, WINDOWS, CANOPIES				2	4	6	2	4	6
SEATS	1		1				1		1
WHEEL WELL DOORS				1		1	1		1
OTHER		1	1	1		1	1	1	2
LANDING GEAR									
MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ET				18	1	19	18	1	19
NORMAL RETRACTION/EXTENSION ASSEMBLY				18	3	21	18	3	21
EMERGENCY/EXTENSION ASSEMBLY				2		2	2		2
TAILWHEEL ASSEMBLIES				6	3	9	6	3	9
NOSEWHEEL ASSEMBLIES				8	1	9	8	1	9
WHEELS, TIRES, AXLES				14	3	17	14	3	17
FLOAT ASSEMBLIES	1		1	1		1	2		2
SKID ASSEMBLY				1		1	1		1

# CAUSE/FACTOR TABLE

## AIRFRAME (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\	\\	\\	\\	\\	\\	\\	\\	\\
BRAKING SYSTEM (NORMAL)				25	8	33	25	8	33
LANDING GEAR WARNING AND INDICATING COMPONENTS				1	4	5	1	4	5
GEAR LOCKING MECHANISM				10	1	11	10	1	11
SWITCHES, LEVERS, CRANKING MECHANISM, ETC				2		2	2		2
NOSEWHEEL STEERING				4		4	4		4
OTHER				6	3	9	6	3	9
FLIGHT CONTROL SURFACES									
ELEVATOR, ASSEMBLY ATTACHMENTS	1		1	2		2	3		3
AILERON, SURFACES ATTACHMENTS	1	1	2	1		1	2	1	3
HORIZONTAL STABILIZER, ATTACHMENTS	1	12	13				1	12	13
SPOILERS AND SLOTS-LEADING EDGE FLAPS, SPEED BRAKES				1		1	1		1
SUBTOTAL	13	44	57	126	35	161	139	79	218
** POWERPLANT **									
ENGINE STRUCTURE									
CRANKCASE		1	1	1		1	1	1	2
CRANKSHAFT	1		1	7	1	8	8	1	9
MASTER AND CONNECTING RODS	1		1	22		22	23		23
CYLINDER ASSEMBLY	2	1	3	25		25	27	1	28
PISTON, PISTON RINGS		1	1	7	1	8	7	2	9
VALVE ASSEMBLIES	1	1	2	19	4	23	20	5	25
BLOWER, IMPELLER ASSEMBLY				8		8	8		8
MOUNT AND VIBRATION ISOLATORS				1		1	1		1
OTHER	1		1	8	1	9	9	1	10
IGNITION SYSTEM									
MAGNETOES	1	2	3	11	3	14	12	5	17
SPARK PLUG	1	1	2	6	5	11	7	6	13
LOW TENSION WIRING				1	1	2	1	1	2
HIGH TENSION WIRING				2	1	3	2	1	3
IGNITION HARNESS, SHIELDING					1	1		1	1
SWITCHES				2		2	2		2
LEADS				3	2	5	3	2	5
FUEL SYSTEM									
TANKS				2	1	3	2	1	3
LINE AND FITTINGS				14	4	18	14	4	18
SELECTOR VALVES				5	2	7	5	2	7
FILTERS, STRAINERS, SCREENS	1	1	2	4	1	5	5	2	7
CARBURETOR	1		1	9	3	12	10	3	13
PUMPS				11	1	12	11	1	12
FUEL INJECTION SYSTEM	1		1	5		5	6		6
VENTS, DRAINS, TANK CAPS	1	1	2	11	3	14	12	4	16
RAM AIR ASSEMBLY				8		8	8		8

## CAUSE/FACTOR TABLE

## POWERPLANT (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	-----	-----	-----	-----	-----	-----	-----	-----	-----
OTHER	3		3	6	1	7	9	1	10
LUBRICATING SYSTEM									
LINES, HOSES, FITTINGS	2		2	11	1	12	13	1	14
FILTERS, SCREENS	1		1	3		3	4		4
PUMP-PRESSURE	1		1	4		4	5		5
OIL COOLERS				2		2	2		2
MAGNETIC PLUGS				1		1	1		1
SEALS AND GASKETS				1		1	1		1
OTHER				1		1	1		1
COOLING SYSTEM									
JACKETS				1		1			1
OTHER	1		1	3		3	4		4
PROPELLER AND ACCESSORIES									
BLADES		1	1	10	1	11	10	2	12
HUBS	1		1	3		3	4		4
ELECTRIC PITCH CONTROL MECHANISM					1	1		1	1
SPINNERS, DOMES				1		1	1		1
GOVERNORS				2	1	3	2	1	3
BLADE RETENTION MECHANISM				1		1	1		1
OTHER	1		1	3	2	5	4	2	6
EXHAUST SYSTEM									
MUFFLERS	1		1	2		2	3		3
CLAMPS				1		1	1		1
STACKS	1		1	2		2	3		3
EXTERNAL SUPERCHARGER				1	1	2	1	1	2
ENGINE ACCESSORIES									
VACUUM PUMPS	1		1				1		1
GENERATORS				1	1	2	1	1	2
STARTERS				4	2	6	4	2	6
ENGINE CONTROLS									
THROTTLE-POWER LEVER ASSEMBLIES	1		1	18		18	19		19
MIXTURE CONTROL ASSEMBLIES				3	1	4	3	1	4
PROPELLER GOVERNOR CONTROLS				1		1	1		1
POWERPLANT-INSTRUMENTS									
POWER INDICATORS				1		1	1		1
FUEL QUANTITY GAUGE					32	32		32	32
OTHER					1	1		1	1
MISCELLANEOUS									
POWERPLANT FAILURE FOR UNDETERMINED REASONS	24		24	240		240	264		264
FOREIGN OBJECT DAMAGE	1		1	2	1	3	3	1	4
DETONATION				4	1	5	4	1	5
DIRECT ENTRIES				2		2	2		2
REDUCTION GEAR ASSEMBLY									
GEARS, ACCESSORY DRIVE				1		1	1		1

# CAUSE/FACTOR TABLE

## POWERPLANT (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
COMPRESSOR ASSEMBLY									
CASTING				1		1	1		1
STATOR VANE				3		3	3		3
DISC, COMPRESSOR ROTOR				1		1	1		1
BLADE, COMPRESSOR ROTOR				1		1	1		1
BEARING, ROTOR SHAFT				1		1	1		1
SEALS, AIR-OIL				2		2	2		2
OTHER				2		2	2		2
COMBUSTION ASSEMBLY									
TURBINE ASSEMBLY									
SUPPORT, GUIDE VANE				1		1	1		1
BLADE, TURBINE WHEEL	1		1				1		1
BEARING, SHAFT				2		2	2		2
OTHER				1		1	1		1
ACCESSORY DRIVE ASSEMBLY									
LUBRICATING SYSTEM									
FILTER, OIL				1		1	1		1
FUEL SYSTEM									
PUMP, FUEL				3		3	3		3
FILTER, FUEL				1		1	1		1
NOZZLE, FUEL	1		1	1		1	2		2
FUEL CONTROL				4		4	4		4
OTHER	1		1	1		1	2		2
SAFETY SYSTEM									
IGNITION SYSTEM									
TORQUEMETER									
AIR BLEED									
OTHER				1		1	1		1
EXHAUST SYSTEM									
THRUST REVERSER									
PROPELLER SYSTEM									
OTHER				1		1	1		1
CONSTANT SPEED DRIVE									
POWER LEVER									
PROPELLER LEVER									
REVERSE THRUST LEVER									
ENGINE INDICATING EQUIPMENT									
TACHOMETER				1		1	1		1
ENGINE INSTALLATION									
SUBTOTAL	54	10	64	557	82	639	611	92	703

\*\* SYSTEMS \*\*

# CAUSE/FACTOR TABLE

## SYSTEMS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	-----\\-----\\-----			-----\\-----\\-----			-----\\-----\\-----		
ELECTRICAL SYSTEM									
BATTERIES	1		1	1	2	3	2	2	4
GENERATORS/ALTERNATORS				2	6	8	2	6	8
REGULATOR					2	2		2	2
RELAYS AND WIRING	1		1	2	4	6	3	4	7
PROTECTIVE DEVICES				1	1	2	1	1	2
OTHER	1	1	2	5	3	8	6	4	10
HYDRAULIC SYSTEM									
HYDRAULIC PUMPS				1		1	1		1
HYDRAULIC MOTORS					1	1		1	1
RESERVOIR, LINES, FITTINGS				4		4	4		4
FILTERS				1		1	1		1
BY-PASS VALVE				1		1	1		1
OTHER				2		2	2		2
FLIGHT CONTROL SYSTEMS									
AILERON AND AILERON TAB CONTROL SYSTEM	1		1	1		1	2		2
ELEVATOR AND ELEVATOR TAB CONTROL SYSTEM	3		3	2		2	5		5
RUDDER AND RUDDER TAB CONTROL SYSTEM				4	1	5	4	1	5
WING FLAP CONTROL SYSTEM (ELECTRICAL)					1	1		1	1
FLIGHT CONTROL BOOST SYSTEM (HYDRAULIC)				1		1	1		1
OTHER				3		3	3		3
ANTI-ICING, DE-ICING SYSTEMS									
WING ANTI-ICING, DE-ICING SYSTEMS					1	1		1	1
CARBURETOR DE-ICING SYSTEM				1		1	1		1
AIR CONDITION, HEATING AND PRESSURIZATION									
OTHER	1		1	1	1	2	2	1	3
AUTO PILOT									
FIRE WARNING SYSTEM									
FIRE EXTINGUISHER SYSTEM									
OXYGEN SYSTEM									
OTHER SYSTEMS									
PITOT SYSTEM					1	1		1	1
VACUUM SYSTEM	1	1	2				1	1	2
OTHER				2	2	4	2	2	4
SUBTOTAL	9	2	11	35	26	61	44	28	72
** INSTRUMENTS/EQUIPMENT AND ACCESSORIES **									
FLIGHT AND NAVIGATION INSTRUMENTS									
AIRSPEED					2	2		2	2
DIRECTIONAL GYRO		1	1					1	1
COMPASS		1	1		1	1		2	2
COMMUNICATIONS AND NAVIGATION EQUIPMENT									

# CAUSE/FACTOR TABLE

## INSTRUMENTS/EQUIPMENT AND ACCESSORIES (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\	\\	\\	\\	\\	\\	\\	\\	\\
TRANSMITTERS AND/OR RECEIVERS		1	1		4	4		5	5
VOR RECEIVERS					1	1		1	1
DME		1	1					1	1
OTHER					1	1		1	1
MISCELLANEOUS EQUIPMENT									
SPRAY, DUSTING EQUIPMENT				1		1	1		1
GLIDER LAUNCH/TOW EQUIPMENT	1		1				1		1
SUBTOTAL	1	4	5	1	9	10	2	13	15
** ROTORCRAFT **									
ROTOR ASSEMBLIES									
MAIN ROTOR BLADES	1		1	1		1	2		2
TAIL ROTOR BLADES	1		1	3		3	4		4
BEARINGS				1	1	2	1	1	2
MAIN ROTOR BRAKE ASSEMBLY	1		1				1		1
TRANSMISSION ROTOR DRIVE SYSTEM									
ENGINE DRIVE SHAFT	1		1	2		2	3		3
MAIN ROTOR GEAR BOX	1		1				1		1
TAIL ROTOR DRIVE SHAFT ASSEMBLY	1		1	9		9	10		10
TAIL ROTOR GEAR BOX				3		3	3		3
CLUTCH ASSEMBLY				7		7	7		7
SPRAG SYSTEM				2		2	2		2
OTHER				1		1	1		1
FLIGHT CONTROL SYSTEMS									
CYCLIC PITCH CONTROL SYSTEM	2		2	3		3	5		5
COLLECTIVE PITCH CONTROL SYSTEM				2		2	2		2
TAIL ROTOR PITCH CONTROL SYSTEM				3		3	3		3
STABILIZING SURFACES-DAMPERS				1		1	1		1
MISCELLANEOUS UNITS AND ASSEMBLIES									
EMERGENCY FLOTATION GEAR				2		2	2		2
TAIL BOOMS/PYLONS/CONES				1	2	3	1	2	3
SUBTOTAL	8		8	41	3	44	49	3	52
** AIRPORTS/AIRWAYS/FACILITIES **									
AIRPORT FACILITIES									
APPROACH LIGHTING					1	1		1	1
RUNWAY LIGHTING					4	4		4	4
TAXIWAY LIGHTING AND MARKING					1	1		1	1
OTHER					7	7		7	7
AIRPORT CONDITIONS									

## CAUSE/FACTOR TABLE

## AIRPORTS/AIRWAYS/FACILITIES (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\	\\	\\	\\	\\	\\	\\	\\	\\
WET RUNWAY				3	58	61	3	58	61
ICE/SLUSH ON RUNWAY		2	2		15	15		17	17
SNOW ON RUNWAY		1	1	3	26	29	3	27	30
SNOW WINDROWS					19	19		19	19
UNMARKED OBSTRUCTIONS		1	1	6	6	12	6	7	13
SOFT SHOULDERS (RUNWAY)					20	20		20	20
ROUGH WATER					2	2		2	2
HIGH VEGETATION		1	1	1	37	38	1	38	39
HIDDEN HAZARD				1	4	5	1	4	5
POORLY MAINTAINED RUNWAY SURFACE		1	1	2	36	38	2	37	39
SOFT RUNWAY				1	26	27	1	26	27
WET RAMP/TAXIWAY					1	1		1	1
ICE/SLUSH ON RAMP/TAXIWAY					1	1		1	1
SNOW ON RAMP/TAXIWAY					1	1		1	1
SOFT TAXIWAY				1		1	1		1
OTHER		3	3	4	82	86	4	85	89
AIRWAYS FACILITIES									
VORTAC	1		1				1		1
SUBTOTAL	1	9	10	22	347	369	23	356	379
** WEATHER **									
LOW CEILING	1	163	164		78	78	1	241	242
RAIN		68	68		34	34		102	102
FOG		118	118		79	79		197	197
SNOW		29	29		33	33		62	62
HAIL		2	2		1	1		3	3
ICING CONDITIONS-INCLUDES SLEET, FREEZING RAIN, ETC		18	18		16	16		34	34
CONDITIONS CONDUCIVE TO CARB/INDUCTION SYSTEM ICING		5	5		47	47		52	52
UNFAVORABLE WIND CONDITIONS		29	29	11	331	342	11	360	371
WIND SHEAR	1	2	3	4	14	18	5	16	21
SUDDEN WINDSHIFT		3	3	5	27	32	5	30	35
TURBULENCE IN FLIGHT, CLEAR AIR	1	1	2	1	23	24	2	24	26
TURBULENCE ASSOCIATED WITH CLOUDS AND/OR THUNDERSTORMS		28	28	1	9	10	1	37	38
DOWNDRAFTS, UPDRAFTS		12	12	7	62	69	7	74	81
LOCAL WHIRLWIND	1		1	3	3	6	4	3	7
SQUALL LINE					2	2		2	2
ADVERSE WINDS ALOFT		1	1		1	1		2	2
HIGH TEMPERATURE		2	2		11	11		13	13
OBSTRUCTIONS TO VISION		12	12		11	11		23	23
HIGH DENSITY ALTITUDE		32	32		130	130		162	162
THUNDERSTORM ACTIVITY		44	44		27	27		71	71
OTHER		4	4		7	7		11	11
SUBTOTAL	4	573	577	32	946	978	36	1519	1555



## CAUSE/FACTOR TABLE

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\-\\-\\-\\-\\-\\-\\			\\-\\-\\-\\-\\-\\-\\			\\-\\-\\-\\-\\-\\-\\		
** TERRAIN **									
WET, SOFT GROUND		1	1	3	133	136	3	134	137
SNOW-COVERED		1	1	1	16	17	1	17	18
ICY					6	6		6	6
HIGH VEGETATION		4	4		78	78		82	82
HIDDEN OBSTRUCTIONS				3	14	17	3	14	17
ROUGH/UNEVEN	10	10		6	183	189	6	193	199
ROUGH WATER	1	1			5	5		6	6
GLASSY WATER	1	1			4	4		5	5
HIGH OBSTRUCTIONS	31	31		1	160	161	1	191	192
LOOSE GRAVEL					7	7		7	7
SANDY	1	1			13	13		14	14
OTHER	4	4			38	38		42	42
SUBTOTAL		54	54	14	657	671	14	711	725
** MISCELLANEOUS **									
BIRD COLLISION	5		5	12		12	17		17
VORTEX TURBULENCE	2		2	5	2	7	7	2	9
PROP/JET/ROTOR BLAST				2		2	2		2
ANIMAL(S) ON RUNWAY/TAXIWAY/RAMP				11	2	13	11	2	13
EVASIVE MANEUVER TO AVOID COLLISION	3	2	5	40	43	83	43	45	88
UNQUALIFIED PERSON OPERATED AIRCRAFT	8	6	14	6	9	15	14	15	29
FOREIGN OBJECT DAMAGE	1		1	4		4	5		5
SMOKE IN COCKPIT		2	2	1	13	14	1	15	16
FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS	2		2	20	4	24	22	4	26
UNDETERMINED	54		54	30		30	84		84
SUBTOTAL	75	10	85	131	73	204	206	83	289
GRAND TOTAL	1165	874	2039	4468	2465	6933	5633	3339	8972
** MISCELLANEOUS ACTS, CONDITIONS **									
ALTIMETER SETTING-INCORRECT		4	4	1	1	2	1	5	6
ANTI-ICING/DEICING EQUIP-IMPROPER OPER. OF/FAILED TO USE	3	1	4	44		44	47	1	48
CHECKLIST-FAILED TO USE		1	1		2	2		3	3
CREW COORDINATION-POOR				1		1	1		1
DISREGARD OF GOOD OPERATING PRACTICE		2	2		2	2		4	4
IMPROPER EMERGENCY PROCEDURES	11	2	13	34	4	38	45	6	51
GUST LOCKS ENGAGED				1		1	1		1
INSTRUCTIONS-MISINTERPRETED				1		1	1		1

## CAUSE/FACTOR TABLE

## MISCELLANEOUS ACTS, CONDITIONS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\	\\	\\	\\	\\	\\	\\	\\	\\
INSTRUMENTS-MISREAD OR FAILED TO READ	2		2	1	1	2	3	1	4
SEAT BELT NOT FASTENED	1	2	3		1	1	1	3	4
NOT ALLIGNED WITH RUNWAY/INTENDED LANDING AREA				16	5	21	16	5	21
UNWARRANTED LOW FLYING	27	42	69	14	23	37	41	65	106
FAILED TO USE ALL AVAILABLE RUNWAY				2	6	8	2	6	8
LANDED AT WRONG AIRPORT				1		1	1		1
INATTENTIVE TO FUEL SUPPLY				54		54	54		54
FLEW INTO BLIND CANYON	5	4	9	9	1	10	14	5	19
POORLY PLANNED APPROACH				2	8	10	2	8	10
MISCALCULATED FUEL CONSUMPTION	2		2	30	4	34	32	4	36
JETTISONED LOAD		2	2		39	39		41	41
STOLEN OR UNAUTHORIZED USE OF AIRCRAFT		12	12		12	12		24	24
LANDED ON FOAMED RUNWAY					2	2		2	2
CORRECTING LENSES-NOT USED					1	1		1	1
IMPROPERLY SECURED	1		1	12	4	16	13	4	17
BOGUS PART				1		1	1		1
COMMUNICATIONS FAILURE					3	3		3	3
ELECTRICAL FAILURE	1	1	2	5	18	23	6	19	25
ENGINE LOADED UP				4		4	4		4
FATIGUE FRACTURE	15	1	16	45		45	60	1	61
FUEL GRADE-IMPROPER	2	1	3	3	1	4	5	2	7
HYDRAULIC FAILURE				3	1	4	3	1	4
RPM-UNCONTROLLABLE-OVERSPEED	1		1		1	1	1	1	2
THRUST REVERSAL-ASYMETRICAL				1		1	1		1
WINDSHIELD, DIRTY, FOGGY, ETC-RESTRICTED VISION		1	1	2	11	13	2	12	14
WRONG PART	2	1	3	8	2	10	10	3	13
IMPROPER ALIGNMENT/ADJUSTMENT				18	6	24	18	6	24
FAILURE OF TWO OR MORE ENGINES		5	5		23	23		28	28
SEPARATION IN FLIGHT		44	44		17	17		61	61
FIRE IN CABIN/ COCKPIT/ BAGGAGE COMPARTMENT	1		1	3	1	4	4	1	5
FIRE IN ENGINE	1	2	3	4	7	11	5	9	14
ASYMETRICAL FLAPS				1		1	1		1
LATERAL IMBALANCE					1	1		1	1
CORRODED/CORROSION	3		3	8	2	10	11	2	13
INCORRECT TRIM SETTING	1		1	3	2	5	4	2	6
CARGO SHIFTED		1	1	1		1	1		2
CONGESTED TRAFFIC-PATTERN		3	3		3	3		6	6
PILOT FATIGUE		5	5		2	2		7	7
FUEL EXHAUSTION	15		15	185		185	200		200
FUEL CONTAMINATION-EXCLUSIVE OF WATER IN FUEL	3		3	20	1	21	23	1	24
PILOT SUFFERED HEART ATTACK	4	1	5				4	1	5
ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT	26	12	38	4	4	8	30	16	46
HYPOXIA	1		1				1		1
CARBON MONOXIDE POISONING	1		1				1		1

# CAUSE/FACTOR TABLE

## MISCELLANEOUS ACTS, CONDITIONS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	\\	\\	\\	\\	\\	\\	\\	\\	\\
ICE-IN FUEL				3		3	3		3
ICE-ENGINE				1		1	1		1
ICE-CARBURETOR	3		3	42		42	45		45
AIRFRAME ICE	5	3	8	7	9	16	12	12	24
ICE-WINDSHIELD					5	5		5	5
IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR CG	5	17	22	8	11	19	13	28	41
INTERFERENCE WITH FLIGHT CONTROLS	1		1	9	3	12	10	3	13
WHITEOUT		2	2	1	6	7	1	8	9
SUNGLARE		4	4		18	18		22	22
LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM	1		1	10		10	11		11
OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM				12		12	12		12
SIMULATED CONDITIONS		2	2		24	24		26	26
FUEL SIPHONING				3	1	4	3	1	4
WATER IN FUEL	4		4	39		39	43		43
AIRCRAFT CASE TO REST IN WATER		40	40		122	122		162	162
FROZEN, MOISTURE					1	1		1	1
MISSING	1		1	16	1	17	17	1	18
TOUCH AND GO LANDING		11	11		75	75		86	86
HYDROPLANING ON WET RUNWAY				1	7	8	1	7	8
OVERLOAD FAILURE	3	25	28	12	234	246	15	259	274
MATERIAL FAILURE	12	3	15	182	19	201	194	22	216
FUEL STARVATION	17	1	18	112	1	113	129	2	131
OIL STARVATION	2		2	5	1	6	7	1	8
IMPROPER CLEARANCE-TOLERANCE				1	1	2	1	1	2
FUEL SELECTOR POSITIONED BETWEEN TANKS	2		2	2		2	4		4
TIEDOWN LINES SNAPPED					1	1		1	1
FIRE OF UNDETERMINED ORIGIN				2	4	6	2	4	6
UNAPPROVED MODIFICATION		1	1					1	1
IMPROPER/INADEQUATE VENTING				1		1	1		1
POOR WELD	2		2	5	1	6	7	1	8
PREVIOUS DAMAGE	1		1	7	6	13	8	6	14
LEAK/LEAKAGE	2	2	4	27	10	37	29	12	41
LOW FLUID LEVEL				5	3	8	5	3	8
CIRCUIT BREAKER POPPED					3	3		3	3
ARCING		1	1	3	1	4	3	2	5
LOW COMPRESSION					1	1		1	1
RUNWAY CLOSED		2	2	1	7	8	1	9	10
DOWNWIND		14	14		125	125		139	139
CARBON DEPOSITS				5	2	7	5	2	7
OVER TORQUED		1	1	1		1	1	1	2
UNDER TORQUED	1	1	2	2		2	3	1	4
LOOSE, PART/FITTING	2	1	3	18	2	20	20	3	23
GROUND RESONANCE				2		2	2		2
BENT	1	2	3	3	1	4	4	3	7

# CAUSE/FACTOR TABLE

## MISCELLANEOUS ACTS, CONDITIONS (CONTINUED)

DETAILED CAUSE/FACTOR	FATAL ACCIDENTS			NONFATAL ACCIDENTS			ALL ACCIDENTS		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	-----			-----			-----		
BINDING				15		15	15		15
BURST	1		1				1		1
BURNED	1		1	1	1	2	2	1	3
CHAFED	1		1	4	1	5	5	1	6
COLLAPSED					1	1		1	1
DETERIORATED		1	1	4	3	7	4	4	8
DISCONNECTED	1		1	28	2	30	29	2	31
EXCESSIVE-WEAR/PLAY	1		1	14	9	23	15	9	24
ERRATIC		1	1	1	35	36	1	36	37
FLUTTER	2		2				2		2
FRAYED					2	2		2	2
FUNGUS, EFFECT	1		1				1		1
GROUNDING	2		2	7		7	9		9
EXCESSIVE VOLTAGE					1	1		1	1
IMPROPERLY INSTALLED	4		4	22	3	25	26	3	29
JAMMED	1		1	10	2	12	11	2	13
NICKED				1		1	1		1
OBSTRUCTED	7		7	33	2	35	40	2	42
OPEN				2	1	3	2	1	3
OVERHEATED	1		1	4		4	5		5
PINCHED				3		3	3		3
EXCESSIVE PRESSURE				2		2	2		2
PRESSURE TOO LOW				1		1	1		1
PRESSURE, NONE					1	1		1	1
SCORED				1		1	1		1
SHEARED				5	1	6	5	1	6
STICKING				5	1	6	5	1	6
STRIPPED		1	1	1		1	1	1	2
TEMPERATURE TOO LOW				2		2	2		2
VIBRATION, EXCESSIVE				8	11	19	8	11	19
WARPED				1	2	3	1	2	3
ICE-INDUCTION	1		1	1		1	2		2
FIRE IN WING		1	1	2	1	3	2	2	4
LOAD NOT JETTISONED				1	17	18	1	17	18
INTENTIONAL GROUND-WATER LOOP-SWERVE				10	7	17	10	7	17
INTENTIONAL WHEELS UP				17	9	26	17	9	26
RAN OFF END OF RUNWAY		3	3		139	139		142	142

## DIRECT ENTRY CAUSES

PILOT-FAILED TO MAINTAIN POSITIVE RATE OF CLIMB  
 MISC-OTHER AIRCRAFT  
 MISC-FUEL EXHAUSTION FOR UNDETERMINED REASON  
 MISC-OIL EXHAUSTION FOR UNDETERMINED REASON

# CAUSE/FACTOR TABLE

DETAILED CAUSE/FACTOR -----	FATAL ACCIDENTS -----			NONFATAL ACCIDENTS -----			ALL ACCIDENTS -----		
	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL	CAUSE	FACTOR	TOTAL
	-----	-----	-----	-----	-----	-----	-----	-----	-----

## DIRECT ENTRY CAUSES (CONTINUED)

MISC-OIL EXHAUSTION FOR UNDETERMINED REASON  
 MISC-FUEL SIPHONED FOR UNKNOWN REASON  
 MISC-EMERG TKOF, CRITICALLY INJ PAX. HVY WT, DRY LAKE  
 MISC-FUEL STARVATION FOR UNKNOWN REASON  
 MISC-BURNER IGNITED AFTER TOUCHDOWN FOR UNK REASON  
 MISC-PREMATURE CHUTE OPENING  
 MISC-TOW LINE BCM WRAPPED ARND TAIL WHL/RUD SPG.  
 PWR PLT-OIL PRESS LOSS FOR UNDETERMINED REASON  
 MISC-FUEL STARVATION FOR UNDETERMINED REASON  
 MISC-NUMEROUS WASPS IN CABIN, WNG, ENG AREAS OF ACFT  
 PWR PLT-3RD STAGE STATOR VANES ERODED.  
 MISC-LOSS OF CONTROL  
 PILOT-INACCURATE POSITION REPORT  
 PILOT-FAILED TO ACTIVATE MARKER BEACON RECEIVER

DIRECT ENTRY CAUSES ARE CARRIED UNDER THEIR APPROPRIATE  
 CAUSAL CATEGORIES AND ARE INCLUDED IN THE TOTALS

3 0782 PILOT-FAILED TO MAINTAIN POSITIVE RATE OF CLIMB  
3 1002 MISC-OTHER AIRCRAFT  
3 1159 MISC-FUEL EXHAUSTION FOR UNDETERMINED REASON  
3 1383 MISC-OIL EXHAUSTION FOR UNDETERMINED REASON  
3 1584 MISC-OIL EXHAUSTION FOR UNDETERMINED REASON  
3 2363 MISC-FUEL SIPHONED FOR UNKNOWN REASON  
3 2373 MISC-EMERG TKOF, CRITICALLY INJ PAX. HVY WT, DRY LAKE  
3 2685 MISC-FUEL STARVATION FOR UNKNOWN REASON  
3 2802 MISC-BURNER IGNITED AFTER TOUCHDOWN FOR UNK REASON  
3 3049 MISC-PREMATURE CHUTE OPENING  
3 3057 MISC-TOW LINE BCM WRAPPED ARND TAIL WHL/RUD SPG.  
3 3388 PWR PLT-OIL PRESS LOSS FOR UNDETERMINED REASON  
3 3415 MISC-FUEL STARVATION FOR UNDETERMINED REASON  
3 3564 MISC-NUMEROUS WASPS IN CABIN, WNG, ENG AREAS OF ACFT  
3 3671 PWR PLT-3RD STAGE STATOR VANES ERODED.  
3 3681 MISC-LOSS OF CONTROL  
3 3685 PILOT-INACCURATE POSITION REPORT  
3 3685 PILOT-FAILED TO ACTIVATE MARKER BEACON RECEIVER

U. S.  
AIR CARRIER  
SECTION





NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20594

BRIEFS OF ACCIDENTS/INCIDENTS

U. S. CERTIFICATED ROUTE AND SUPPLEMENTAL AIR CARRIERS

ALL OPERATIONS

SUPPLEMENTAL ISSUE

1981

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0001	4/18/81 TIME - 1400	SAND POINT, AK	NIHON YS-11A N173RV DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 36	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 42, 10000 TOTAL HOURS, 4500 IN TYPE, INSTRUMENT RATED.
<p>NAME OF AIRPORT - SAND POINT  OPERATOR - REEVE ALEUTIAN AIRWAYS, INC.  DEPARTURE POINT INTENDED DESTINATION  ANCHORAGE, AK COLD BAY, AK  TYPE OF ACCIDENT  BIRD STRIKE  COLLIDED WITH: RUNWAY OR APPROACH LIGHTS  LAST ENROUTE STOP  SAND POINT, AK  PHASE OF OPERATION  LANDING: FINAL APPROACH  LANDING: LEVEL OFF/TOUCHDOWN</p>						
<p>PROBABLE CAUSE(S)  MISCELLANEOUS - BIRD COLLISION  PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - WINDSHIELD, DIRTY, FOGGY, ETC.-RESTRICTED VISION  AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: OTHER  REMARKS- SEA GULL HIT WINDSHIELD ON SHORT FINAL RSTRG VISION. MAIN GEAR STRUCK EMBANKMENT AT END OF RWY.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0002	2/10/81 TIME - 1940	NEWPORT NEWS,VA	BOEING 737 N9019V DAMAGE-NONE	CR- 0 1 5 PX- 0 0 38	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 49, 13100 TOTAL HOURS, 560 IN TYPE, INSTRUMENT RATED.
<p>OPERATOR - UNITED AIR LINES, INC.  DEPARTURE POINT CHICAGO, IL INTENDED DESTINATION NEWPORT NEWS, VA  TYPE OF ACCIDENT TURBULENCE  PHASE OF OPERATION IN FLIGHT: DESCENDING</p> <p>PROBABLE CAUSE(S)  WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS  PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT  MISCELLANEOUS ACTS, CONDITIONS - INSTRUCTIONS-MISINTERPRETED  MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT NOT FASTENED</p> <p>FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT SIGN ON  WEATHER BRIEFING - COMPANY DISPATCH  WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT</p> <p>SKY CONDITION OVERCAST CEILING AT ACCIDENT SITE 2000  VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) PRECIPITATION AT ACCIDENT SITE NONE  OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TYPE OF WEATHER CONDITIONS IFR  TYPE OF FLIGHT PLAN IFR</p> <p>REMARKS- FLT ATTENDANT DID NOT UNDERSTAND 2ND OFFICERS INSTRUCTION TO BE SEATED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0003	1/16/81	NR.GAMBELL,AK	DOUGLAS DC-6A	CR- 0 0 3	SCHED DOM CARGO SRV	AIRLINE TRANSPORT, AGE
	TIME - 1120		N1036F	PX- 0 0 0		36, 11000 TOTAL HOURS,
			DAMAGE-SUBSTANTIAL			8000 IN TYPE, INSTRUMENT
						RATED.
		OPERATOR - NORTHERN AIR CARGO				
		DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP	
		ANCHORAGE,AK	FAIRBANKS,AK		NOME,AK	
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			IN FLIGHT: NORMAL CRUISE	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS				
		MISCELLANEOUS ACTS,CONDITIONS - ICE-WINDSHIELD				
		PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE				
		FACTOR(S)				
		WEATHER - LOW CEILING				
		WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC.				
		WEATHER BRIEFING - COMPANY DISPATCH				
		WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		OVERCAST			UNKNOWN/NOT REPORTED	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		UNKNOWN/NOT REPORTED			FREEZING RAIN	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TYPE OF WEATHER CONDITIONS	
		UNKNOWN/NOT REPORTED			IFR	
		TYPE OF FLIGHT PLAN				
		DVFR				
		REMARKS- ENCTRD FZRA,WING TIP HIT ICE PACK DRG TURN TO REVERSE COURSE.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0004	6/3/81	ST LOUIS,MO	BOEING 707	CR- 0 0 6	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE
	TIME - 0718		N6728	PX- 0 0 63		45, 9900 TOTAL HOURS,
			DAMAGE-NONE	OT- 0 1 0		UNK/NR IN TYPE,
						INSTRUMENT RATED.
		NAME OF AIRPORT - LAMBERT				
		OPERATOR - TRANS WORLD AIRLINES, INC.				
		DEPARTURE POINT	INTENDED DESTINATION			
		ST LOUIS,MO	DAYTON,OH			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		MISCELLANEOUS			STATIC: PARKED-ENGINES NOT OPERATING	
		PROBABLE CAUSE(S)				
		PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND CREWMAN				
		REMARKS- GND CREWMAN BCM CAUGHT IN MAIN LNDG GEAR DOOR WHILE PERFORMING PRE-FLT GND CKS.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0005	6/2/81 TIME - 2012	NR.CHARLESTON,SC	AIRBUS A300 N291EA DAMAGE-NONE	CR- 0 1 8 PX- 0 0160	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 52, 15740 TOTAL HOURS, 704 IN TYPE, INSTRUMENT RATED.
<p>OPERATOR - EASTERN AIR LINES,INC.  DEPARTURE POINT INTENDED DESTINATION  OKLANDO,FL PHILADELPHIA,PA  TYPE OF ACCIDENT PHASE OF OPERATION  TURBULENCE IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)  WEATHER - TURBULENCE IN FLIGHT,CLEAR AIR  PERSONNEL - MISCELLANEOUS-PERSONNEL: PASSENGER  PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT  MISCELLANEOUS ACTS,CONDITIONS - SEAT BELT NOT FASTENED</p> <p>FACTOR(S)  WEATHER - THUNDERSTORM ACTIVITY  MISCELLANEOUS ACTS,CONDITIONS - SEAT BELT SIGN ON</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE  OVERCAST 30000  VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE  5 OR OVER(UNLIMITED) NONE  OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F  NONE 82  WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS  190 14  TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN  VFR IFR</p> <p>REMARKS- SUDDENLY ENCTRD SVR TURB NR EASTERN EDGE OF AN AREA OF SHOWERS &amp; TSMS.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0006	2/12/81 TIME - 1432	JAMAICA, NY	BOEING 727 N3606 DAMAGE-NONE	CR- 0 0 6 PX- 0 1 80	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, 10532 TOTAL HOURS, 4151 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - JF KENNEDY INTL OPERATOR - PAN AMERICAN WORLD AIRLINES DEPARTURE POINT INTENDED DESTINATION SAVANNAH, GA JAMAICA, NY TYPE OF ACCIDENT MISCELLANEOUS LAST ENROUTE STOP WASHINGTON, DC PHASE OF OPERATION STATIC: PARKED-ENGINES NOT OPERATING PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND CREWMAN PERSONNEL - MISCELLANEOUS-PERSONNEL: PASSENGER REMARKS- GND CREW RETRACTED JETWAY, PAX FELL.						
1-0007	2/6/81 TIME - 1830	MIAMI, FL	AIRBUS A300 N206EA DAMAGE-NONE	CR- 0 0 9 PX- 0 0 40 OT- 1 0 0	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 54, 23000 TOTAL HOURS, 99 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIAMI INTL OPERATOR - EASTERN AIR LINES, INC. DEPARTURE POINT INTENDED DESTINATION MIAMI, FL MEXICO CITY, MEXICO TYPE OF ACCIDENT MISCELLANEOUS PHASE OF OPERATION STATIC: ENGINE RUNUP PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: OTHER PERSONNEL-FAILED TO FOLLOW SAFETY PROCEDURES. REMARKS- NOSE LNDNG GEAR DOOR FATALLY INJURED MECHANIC.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0008	6/30/81	NR.PITTSBURGH,PA	BRITISH AC 1-11 N1127J DAMAGE-NONE	CR- 0 1 3 PX- 0 0 66	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 50, 20190 TOTAL HOURS, 3060 IN TYPE, INSTRUMENT RATED.
		OPERATOR - U.S. AIR DEPARTURE POINT NEWARK,NJ	INTENDED DESTINATION PITTSBURGH,PA			
		TYPE OF ACCIDENT TURBULENCE	PHASE OF OPERATION IN FLIGHT: DESCENDING			
PROBABLE CAUSE(S)						
WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS						
PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT						
MISCELLANEOUS ACTS,CONDITIONS - SEAT BELT NOT FASTENED						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - SEAT BELT SIGN ON						
SKY CONDITION			CEILING AT ACCIDENT SITE			
OBSCURATION			3500			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
4 MILES OR LESS			NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F			
HAZE			86			
WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS			
330			8			
TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN			
IFR			IFR			

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0009	5/20/81 TIME - 1715	MIAMI, FL	DOUGLAS DC-10 N66NA DAMAGE-NONE	CR- 0 0 10 PX- 0 0 77 OT- 1 0 0	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 51, 10335 TOTAL HOURS, 540 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIAMI INT'L						
OPERATOR - PAN AMERICAN WORLD AIRLINES						
DEPARTURE POINT		INTENDED DESTINATION				
MIAMI, FL		MEXICO CITY, MX				
TYPE OF ACCIDENT			PHASE OF OPERATION			
MISCELLANEOUS			TAXI: OTHER			
PROBABLE CAUSE(S)						
PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND CREWMAN						
REMARKS- GROUND CREWMAN RUN OVER BY NOSEWHEEL DURING PUSHBACK BY TUG FROM TERMINAL GATE						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0010	6/5/81	NR.COLUMBUS,OH	BOEING 727 N7255U DAMAGE-NONE	CR- 0 1 7 PX- 0 0101	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 51, 27570 TOTAL HOURS, 2020 IN TYPE, INSTRUMENT RATED.
OPERATOR - UNITED AIR LINES, INC.						
DEPARTURE POINT		INTENDED DESTINATION				
DENVER, CO		WASHINGTON, DC				
TYPE OF ACCIDENT			PHASE OF OPERATION			
TURBULENCE			IN FLIGHT: NORMAL CRUISE			
PROBABLE CAUSE(S)						
WEATHER - TURBULENCE IN FLIGHT, CLEAR AIR						
PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT						
MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT NOT FASTENED						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT SIGN ON						
WEATHER BRIEFING - COMPANY DISPATCH						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
SKY CONDITION			CEILING AT ACCIDENT SITE			
UNKNOWN/NOT REPORTED			UNKNOWN/NOT REPORTED			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
UNKNOWN/NOT REPORTED			UNKNOWN/NOT REPORTED			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TYPE OF WEATHER CONDITIONS			
UNKNOWN/NOT REPORTED			UNKNOWN/NOT REPORTED			
TYPE OF FLIGHT PLAN						
IFR						
REMARKS- BGN DSCNT TO AVOID LGT CHOP AT FL 370. ENCTRD SVR TURB, SHORT DUR, IN THIN CIRRUS LAYER AT FL 340.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0011	1/31/81 TIME - 2215	FLUSHING, NY	BOEING 727 N8847E DAMAGE-SUBSTANTIAL	CR- 0 0 7 PX- 0 0124	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 52, 8612 TOTAL HOURS, 2899 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - LA GUARDIA OPERATOR - EASTERN AIR LINES, INC. DEPARTURE POINT INTENDED DESTINATION FREEPORT, BAHAMAS ALBANY, NY TYPE OF ACCIDENT GEAR RETRACTED LAST ENROUTE STOP FLUSHING, NY PHASE OF OPERATION LANDING: ROLL PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION AIRFRAME - LANDING GEAR: NORMAL RETRACTION/EXTENSION ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE REMARKS- REWORKED TRUNNION LINK, PN 65-57904-18, FAILED, STRESS CORROSION AREA. BURN AREAS BNTH UNEVEN CHOME.						
1-0012	9/3/81 TIME - 1200	YAKUTAT, AK	LOCKHEED GA 382 N106AK DAMAGE-SUBSTANTIAL	CR- 0 0 4 PX- 0 0 0	NS/CTR REVENUE CARGO DOM	AIRLINE TRANSPORT, AGE 37, 11000 TOTAL HOURS, 9000 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - YAKUTAT OPERATOR - ALASKA INTERNATIONAL AIR DEPARTURE POINT INTENDED DESTINATION YAKUTAT, AK YAKATAGA, AK TYPE OF ACCIDENT FIRE OR EXPLOSION: ON GROUND PHASE OF OPERATION TAXI: OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE IN BRAKES, WHEEL ASSEMBLY, WHEEL WELL REMARKS- FIRE ORIGINATED IN AREA OF R MAIN GEAR WHILE TAXIING BACK TO RAMP AFTER 2ND ABORTED TKOF.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0013	9/7/81 TIME - 1245	SALT LAKE CITY, UT	DOUGLAS DC-10 N109AA DAMAGE-NONE	CR- 0 0 13 PX- 1 0262	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - SALT LK CITY INTL OPERATOR - AMERICAN AIRLINES, INC. DEPARTURE POINT SAN FRANCISCO, CA INTENDED DESTINATION CHICAGO, IL TYPE OF ACCIDENT MISCELLANEOUS LAST ENROUTE STOP SALT LAKE CITY, UT PHASE OF OPERATION STATIC: PARKED-ENGINES NOT OPERATING PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: PASSENGER INSTRUMENTS/EQUIPMENT AND ACCESSORIES - MISCELLANEOUS EQUIPMENT: OTHER MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE FACTOR(S) PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: FAILURE TO PROVIDE ADEQ. DIRECTIVES, MANUAL, EQUIPMENT PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: OTHER REMARKS- PAX FELL OFF MOBILE AIRSTAIR WHEN NON WEIGHT BEARING SIDE PANEL SEPARATED UNDER PAX IMPOSED LOAD.						
1-0014	8/25/81 TIME - 1850	CHICAGO, IL	HAWKER SDLY 748 N748LL DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 22	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 39, 15200 TOTAL HOURS, 6800 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIDWAY OPERATOR - AIR ILLINOIS DEPARTURE POINT CHICAGO, IL INTENDED DESTINATION SPRINGFIELD, IL TYPE OF ACCIDENT COLLIDED WITH: OBJECT PHASE OF OPERATION TAXI: TO TAKEOFF PROBABLE CAUSE(S) COPILOT - MISJUDGED CLEARANCE PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT REMARKS- COLLIDED W TRAILER VAN.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0015	8/13/81 TIME - 1957	ST.LOUIS,MO	DOUGLAS DC-9 N924L DAMAGE-SUBSTANTIAL	CR- 0 0 5 PX- 0 0 54 OT- 0 1 0	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 59, 34000 TOTAL HOURS, 6800 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - LAMBERT ST.LOUIS OPERATOR - OZARK AIR LINES,INC. DEPARTURE POINT INTENDED DESTINATION TAMPA,FL ST.LOUIS,MO TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS STATIC: IDLING ENGINE(S) PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: OTHER PERSONNEL - MISCELLANEOUS-PERSONNEL: DRIVER OF VEHICLE MISCELLANEOUS - FOREIGN OBJECT DAMAGE REMARKS- GPU W UNTRND OPER HIT 2 ACFT,SWEARINGEN SA226TC,N322BA,MINOR DMG.GPU OWNED BY ARPT TRML SVC,INC.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0016	4/3/81 TIME - 1925	NR.HANNIBAL,MO	DOUGLAS DC-10 N1809U DAMAGE-MINOR	CR- 0 1 11 PX- 0 7147	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 57, 25200 TOTAL HOURS, 970 IN TYPE, INSTRUMENT RATED.
		OPERATOR - UNITED AIR LINES, INC.				
		DEPARTURE POINT	INTENDED DESTINATION			
		LOS ANGELES, CA	NEWARK, NJ			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		TURBULENCE			IN FLIGHT: NORMAL CRUISE	
PROBABLE CAUSE(S)						
WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS						
PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT						
PERSONNEL - MISCELLANEOUS-PERSONNEL: PASSENGER						
MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT NOT FASTENED						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT SIGN ON						
WEATHER BRIEFING - COMPANY DISPATCH						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
SKY CONDITION			CEILING AT ACCIDENT SITE			
OVERCAST			UNKNOWN/NOT REPORTED			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
UNKNOWN/NOT REPORTED			NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TYPE OF WEATHER CONDITIONS			
UNKNOWN/NOT REPORTED			IFR			
TYPE OF FLIGHT PLAN						
IFR						
REMARKS- ENCTRD TURBC SHORTLY AFT ENTERING CI CLD & TURNING SEAT BELT SIGNS ON, APRX 7000FT ABV DEV TSIMS.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0017	10/13/81 TIME - 2245	DAL FTW ARPT,TX	BOEING 727 N6816 DAMAGE-NONE	CR- 0 1 6 PX- 0 0 83	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 51, 14000 TOTAL HOURS, 7000 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - DALLAS FORT WORTH OPERATOR - AMERICAN AIRLINES, INC. DEPARTURE POINT INTENDED DESTINATION DAL FTW ARPT,TX UNKNOWN/NOT REPORTED TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS STATIC: PARKED-ENGINES NOT OPERATING  PROBABLE CAUSE(S) PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT REMARKS- F/A OPENED DOOR TO LOAD LATE PAX, USED IMPROPER PROC, THOUGHT JET BRIDGE WAS SECURED TO ACFT, FELL.						
1-0018	10/23/81 TIME - 2058	NR.DFW AIRPORT, TX	BOEING 727 N771AL DAMAGE-NONE	CR- 0 1 6 PX- 0 0105	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 44, 15186 TOTAL HOURS, 2373 IN TYPE, INSTRUMENT RATED.
OPERATOR - U.S. AIR DEPARTURE POINT INTENDED DESTINATION PITTSBURGH, PA DFW AIRPORT, TX TYPE OF ACCIDENT PHASE OF OPERATION TURBULENCE IN FLIGHT: DESCENDING  PROBABLE CAUSE(S) MISCELLANEOUS - VORTEX TURBULENCE FACTOR(S) PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT NOT FASTENED MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT SIGN OFF REMARKS- ENCTRD TURBC AT 11000FT APRX 8 MI BHND ANOTHER BOEING 727, ROLLED INTO STEEP BANK, HDG CHGD 20DEG.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0019	12/30/81 TIME - 1242	SAN JUAN, PR	CURTIS-WRT C-46 N7560U DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 0	SCHED DOM CARGO SRV	AIRLINE TRANSPORT, AGE 35, 6600 TOTAL HOURS, 1700 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - SAN JUAN INTL DEPARTURE POINT INTENDED DESTINATION SAN JUAN, PR ST THOMAS, VI TYPE OF ACCIDENT PHASE OF OPERATION GROUND-WATER LOOP-SWERVE LANDING: ROLL COLLIDED WITH: DITCHES LANDING: ROLL  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL FACTOR(S) SYSTEMS - FIRE WARNING SYSTEM: POWERPLANT MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT FALSE FIRE WARNING REMARKS- FIRE WARNING BELL SOUNDED AFT TKOF. L ENG QUIT WHILE CORRECTING SWERVE. ENG & WARNING SYS CKD OK.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0020	2/11/81 TIME - 1440	FARGO,ND	BOEING 747 N610US DAMAGE-SUBSTANTIAL	CR- 0 0 9 PX- 0 0362	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 56, 22000 TOTAL HOURS, 1023 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - HECTOR FIELD OPERATOR - NORTHWEST AIRLINES, INC. DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP MINNEAPOLIS,MN HONOLULU,HI FARGO,ND TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH: OBJECT TAXI: TO TAKEOFF  PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED CLEARANCE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - INTERFERENCE WITH FLIGHT CONTROLS REMARKS- HAND MICROPHONE INTERFERED W FULL TRAVEL OF NOSE WHL STEERING TILLER. WING TIP HIT JET-WAY.						
1-0021	10/12/81 TIME - 0837	ST LOUIS,MO	BOEING 727 N8142N DAMAGE-SUBSTANTIAL	CR- 0 0 6 PX- 0 0 43	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 46, 10216 TOTAL HOURS, 616 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - LAMBERT-ST LOUIS OPERATOR - EASTERN AIR LINES, INC. DEPARTURE POINT INTENDED DESTINATION OMAHA,NE ST LOUIS,MO TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH: AUTOMOBILE TAXI: FROM LANDING  PROBABLE CAUSE(S) COPILLOT - MISJUDGED CLEARANCE FACTOR(S) PILOT IN COMMAND - TAXIED/PARKED WITHOUT PROPER ASSISTANCE MISCELLANEOUS ACTS, CONDITIONS - CREW COORDINATION-POOR REMARKS- R WING TIP STRUCK DUMP TRUCK PARKED NR CONSTRUCTION AREA ON R SIDE OF TAXILANE IN CONGESTED AREA.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0022	5/18/81 TIME - 2004	NR.NEW ORLEANS,LA	DOUGLAS DC-9 N1295L DAMAGE-NONE	CR- 0 1 4 PX- 0 0 69	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, 7000 TOTAL HOURS, 1500 IN TYPE, INSTRUMENT RATED.
<p>OPERATOR - DELTA AIR LINES, INC.  DEPARTURE POINT INTENDED DESTINATION  MEMPHIS, TN NEW ORLEANS, LA  TYPE OF ACCIDENT PHASE OF OPERATION  TURBULENCE IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)  WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS  PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT  MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT NOT FASTENED</p> <p>FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SEAT BELT SIGN ON  WEATHER - THUNDERSTORM ACTIVITY  WEATHER BRIEFING - COMPANY DISPATCH  WEATHER FORECAST - FORECAST SUBSTANTIALY CORRECT</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE  OVERCAST 2200  VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE  1 MILE OR LESS HAIL, RAIN  OBSTRUCTIONS TO VISION AT ACCIDENT SITE WIND DIRECTION-DEGREES  UNKNOWN/NOT REPORTED 180  WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS  22 IFR  TYPE OF FLIGHT PLAN  IFR</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0023	8/17/81 TIME - 1610	FT.LAUDERDALE,FL	BOEING 727 N4742 DAMAGE-SUBSTANTIAL	CR- 0 0 6 PX- 0 0 58	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 44, 13678 TOTAL HOURS, 5407 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - FT.LAUDERDALE OPERATOR - PAN AMERICAN WORLD AIRLINES DEPARTURE POINT INTENDED DESTINATION FT.LAUDERDALE,FL HOUSTON TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF: RUN COLLIDED WITH: DITCHES TAKEOFF: ABORTED  PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS POWERPLANT - MISCELLANEOUS: COMPRESSOR STALLS PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC. MISCELLANEOUS ACTS,CONDITIONS - IMPROPER EMERGENCY PROCEDURES FACTOR(S) WEATHER - RAIN WEATHER - UNFAVORABLE WIND CONDITIONS AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: WET RUNWAY AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: OTHER MISCELLANEOUS ACTS,CONDITIONS - RAN OFF END OF RUNWAY  SKY CONDITION CEILING AT ACCIDENT SITE BROKEN/LOWER SCATTERED 4000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) RAIN OBSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND NONE RIGHT CROSS WIND 068-112 DEGREES TEMPERATURE-F WIND DIRECTION-DEGREES 79 190 WIND VELOCITY-KNOTS TYPE OF WEATHER CONDITIONS 15 VFR TYPE OF FLIGHT PLAN IFR REMARKS- CREW RPRTD LOUD EXPLOSION,NO 2 ENG LOST PWR.ABORT AFT V1,UN STOP ON RNY.FOUND NO PREV ENG FAILURE.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0024	2/17/81 TIME - 1735	SANTA ANA, CA	BOEING 737 N468AC DAMAGE-DESTROYED	CR- 0 0 5 PX- 0 4 91	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 53, 22000 TOTAL HOURS, 11000 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - JOHN WAYNE OPERATOR - AIR CALIFORNIA DEPARTURE POINT                      INTENDED DESTINATION SAN JOSE, CA                      SANTA ANA, CA TYPE OF ACCIDENT                      PHASE OF OPERATION WHEELS-UP                      LANDING: GO-AROUND  PROBABLE CAUSE(S) PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND PILOT IN COMMAND - RETRACTED GEAR PREMATURELY FIRE AFTER IMPACT REMARKS- INSTRD TO GO-ARND, OTR ACFT DELAYED ON RWY. GO-ARND DELAYED APRX 12 SEC. GEAR UP BFR POS RATE OF CLB.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0025	9/22/81 TIME - 1648	MIAMI, FL	DOUGLAS DC-10 N101TV DAMAGE-SUBSTANTIAL	CR- 0 0 15 PX- 0 0 56	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 31, 7100 TOTAL HOURS, 800 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIAMI INTL OPERATOR - AIR FLORIDA DEPARTURE POINT MIAMI, FL INTENDED DESTINATION NEWARK, NJ TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION LAST ENROUTE STOP FT LAUDERDALE, FL PHASE OF OPERATION TAKEOFF: RUN MISCELLANEOUS TAKEOFF: RUN  PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL) MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS POWERPLANT - TURBINE ASSEMBLY: WHEEL TURBINE MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS, CONDITIONS - RPM-UNCONTROLLABLE-OVERSPEED MISCELLANEOUS ACTS, CONDITIONS - BURST MISCELLANEOUS - FOREIGN OBJECT DAMAGE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE REMARKS- STAGE 1&2 RTR BLTS DMGD AFT ENG MAINT, FOD, BLTS FAILED, TURB DISK SEPD, OVRSPD, BURST, DMGD WNG, OTR SYS						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0026	9/22/81	NR. COLTS NECK, NJ	LOCKHEED L-1011	CR- 0 0 11	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE
	TIME - 1140		N309EA	PX- 0 0190		58, 21600 TOTAL HOURS,
			DAMAGE-SUBSTANTIAL			1649 IN TYPE, INSTRUMENT
						RATED.
		OPERATOR - EASTERN AIR LINES, INC.				
		DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP	
		BOSTON, MA	SAN JUAN, PR		NEWARK, NJ	
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			IN FLIGHT: CLIMB TO CRUISE	
		MISCELLANEOUS			IN FLIGHT: CLIMB TO CRUISE	
		PROBABLE CAUSE(S)				
		POWERPLANT - COMPRESSOR ASSEMBLY: BEARING, ROTOR SHAFT				
		MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM				
		MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED				
		MISCELLANEOUS ACTS, CONDITIONS - LEAK/LEAKAGE				
		MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE				
		MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE				
		MISCELLANEOUS - FOREIGN OBJECT DAMAGE				
		FACTOR(S)				
		PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-2 ENGINES				
		REMARKS- PRUG ENG FAIL AFT LP LCTN BRG BCM OVRHTD. OIL LEAK, FIRE, FAN SHAFT FAIL DMGD HYD/ELEC SYS, JAMMED RUD				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
1-0027	9/20/81 TIME - 0245	N ATLANTIC OCEAN	DOUGLAS DC-10 N112WA DAMAGE-NONE	CR- 1 0 13 PX- 0 0331	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 51, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>OPERATOR - WORLD AIRWAYS, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>BALTIMORE, MD FRANKFURT, GERMANY</p> <p>TYPE OF ACCIDENT</p> <p>MISCELLANEOUS</p> <p>LAST ENROUTE STOP</p> <p>LONDON, ENGLAND</p> <p>PHASE OF OPERATION</p> <p>IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>SYSTEMS - ELECTRICAL SYSTEM: SWITCHES</p> <p>MISCELLANEOUS ACTS, CONDITIONS - BINDING</p> <p>MISCELLANEOUS ACTS, CONDITIONS - ERRATIC</p> <p>FACTOR(S)</p> <p>PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL)</p> <p>PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN</p> <p>REMARKS- FLT ATNDNT TRAPPED BTN CART IN GALLEY LIFT &amp; LWR CIG. INTRLCK SWS DMGD BY CARTS, BINDING INTMTLY.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0001	4/9/81 TIME - 1340	WASHINGTON,DC	BOEING 727 N281US DAMAGE-NONE	CR- 0 0 7 PX- 0 0 91	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - WASHINGTON NATL</p> <p>OPERATOR - NORTHWEST AIRLINES, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP</p> <p>WASHINGTON,DC PHOENIX,AZ ST.PAUL,MN</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>MISCELLANEOUS STATIC: PARKED-ENGINES NOT OPERATING</p> <p>PROBABLE CAUSE(S)</p> <p>PERSONNEL - FLIGHT ENGINEER: IMPROPER USE OF EQUIPMENT</p> <p>PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT</p> <p>FACTOR(S)</p> <p>PERSONNEL - MISCELLANEOUS-PERSONNEL: PASSENGER</p> <p>SYSTEMS - AIR CONDITION, HEATING AND PRESSURIZATION: CABIN TEMP. CONTROL AND TEMP. INDICATING SYSTEM</p> <p>MISCELLANEOUS ACTS, CONDITIONS - BINDING</p> <p>MISCELLANEOUS ACTS, CONDITIONS - EXCESSIVE TEMPERATURE</p> <p>REMARKS- AIR COND VLV STUCK BFR ENG START, S/O PULLED FAN CB. PACK OVRHT, SMOKE IN CABIN. PAX EVAC, JUMPED FM WG.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0002	5/4/81 TIME - 2340	ANCHORAGE, AK	BOEING 727 N496WC DAMAGE-MINOR	CR- 0 0 10 PX- 0 0 74	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 58, 25500 TOTAL HOURS, 44 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - ANCHORAGE INTL OPERATOR - WIEN AIR ALASKA DEPARTURE POINT FAIRBANKS, AK INTENDED DESTINATION ANCHORAGE, AK TYPE OF ACCIDENT COLLIDED WITH: PARKED AIRCRAFT PHASE OF OPERATION TAXI: FROM LANDING PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND SIGNALMAN FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES: TAXIWAY LIGHTING AND MARKING REMARKS- L WING TIP HIT RADOME OF BOEING 727, N498WC, MINOR DMG. TAXI SGLS FM 1 GND CREW, CO RQRD 2. NO TAXI LN.						
4-0003	5/29/81 TIME - 0844	NEWARK, NJ	SWEARINGEN SA226 N105UR DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 5 OT- 0 0 72	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE UNK/NR, 8096 TOTAL HOURS, 613 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - NEWARK INTL DEPARTURE POINT NEWARK, NJ INTENDED DESTINATION UTICA, NY TYPE OF ACCIDENT COLLISION WITH AIRCRAFT: BOTH ON GROUND PHASE OF OPERATION STATIC: IDLING ENGINE(S) PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT REMARKS- RUDDER/VER STAB STRUCK BY WING TIP OF DC-8, MINOR DMG TO DC-8.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0003	5/29/81 TIME - 0844	NEWARK,NJ	DOUGLAS DC-8 N1307L DAMAGE-MINOR	CR- 0 0 9 PX- 0 0 63 OT- 0 0 7	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 51, 19863 TOTAL HOURS, 4010 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - NEWARK INTL  OPERATOR - DELTA AIR LINES, INC.  DEPARTURE POINT INTENDED DESTINATION  NEWARK,NJ NASSUA,BAHAMAS  TYPE OF ACCIDENT PHASE OF OPERATION  COLLISION WITH AIRCRAFT: BOTH ON GROUND TAXI: TO TAKEOFF</p> <p>PROBABLE CAUSE(S)  PILOT IN COMMAND - MISJUDGED CLEARANCE  REMARKS- L WING TIP STRUCK RUDDER/VER STAB OF SWEARINGEN SA226, MINOR DMG TO SA226.</p>						
4-0004	4/13/81 TIME - 1555	CHARLOTTE,NC	NAMC YS-11 N259P DAMAGE-MINOR	CR- 0 0 4 PX- 0 0 34	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 38, 12006 TOTAL HOURS, 3450 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - DOUGLAS MUNI  OPERATOR - PIEDMONT AVIATION, INC.  DEPARTURE POINT INTENDED DESTINATION  WILMINGTON,NC CHARLOTTE,NC  TYPE OF ACCIDENT PHASE OF OPERATION  WHEELS-UP LANDING: ROLL</p> <p>PROBABLE CAUSE(S)  AIRFRAME - LANDING GEAR: NOSEWHEEL STEERING  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE  REMARKS- NWS LEVER SHAFT, PN 01-72304-3, FAILED. AUTO NWS INOP. NOSE WHEELS JAMMED IN WHL WELL DRG RETRACTION.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0005	4/17/81 TIME - 1130	FT LAUDERDALE, FL	LOCKHEED L-1011 N705DA DAMAGE-MINOR	CR- 0 0 12 PX- 0 0282	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 58, 16300 TOTAL HOURS, 220 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - FORT LAUDERDALE  OPERATOR - DELTA AIR LINES, INC.  DEPARTURE POINT INTENDED DESTINATION  ATLANTA, GA FT LAUDERDALE, FL  TYPE OF ACCIDENT PHASE OF OPERATION  AIRFRAME FAILURE: IN FLIGHT LANDING: FINAL APPROACH</p> <p>PROBABLE CAUSE(S)  AIRFRAME - FLIGHT CONTROL SURFACES: FLAP ASSEMBLIES  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT  REMARKS- NUMBER 3 FLAP VANE LINK, PN 1562426-105, FAILED &amp; FLAP VANE SEPD, 407HRS AFTER INSTLN.</p>						
4-0006	5/28/81 TIME - 1736	DILLINGHAM, AK	BOEING 737 N4951W DAMAGE-MINOR	CR- 0 0 4 PX- 0 0 26	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 33, 6200 TOTAL HOURS, 3053 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - DILLINGHAM  OPERATOR - WIEN AIR ALASKA  DEPARTURE POINT INTENDED DESTINATION  DILLINGHAM, AK ANCHORAGE, AK  TYPE OF ACCIDENT PHASE OF OPERATION  AIRFRAME FAILURE: ON GROUND TAKEOFF: RUN</p> <p>PROBABLE CAUSE(S)  AIRFRAME - LANDING GEAR: WHEELS, TIRES, AXLES  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE  REMARKS- TIRE FAILED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0007	12/18/81	NR.HONOLULU,HI	BOEING 747	CR- 0 0 1	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE
	TIME - UNK/NR		N674	PX- 0 0 0		UNK/NR, UNK/NR TOTAL
			DAMAGE-NONE			HOURS, UNK/NR IN TYPE,
						INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
OPERATOR - AMERICAN AIRLINES, INC.						
DEPARTURE POINT		INTENDED DESTINATION				
DALLAS, TX		HONOLULU, HI				
TYPE OF ACCIDENT				PHASE OF OPERATION		
ENGINE FAILURE OR MALFUNCTION				IN FLIGHT: NORMAL CRUISE		
PROBABLE CAUSE(S)						
POWERPLANT - FUEL SYSTEM: OTHER						
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
COPILOT - SPONTANEOUS-IMPROPER ACTION						
MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - FAILURE OF TWO OR MORE ENGINES						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-2 ENGINES						
REMARKS- BROKEN PB-4 LINE FOUND AT DIFFUSER CASE NR 1 ENG.F/O INADVERTENTLY SHUT DOWN NR 2 ENG.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0008	4/14/81 TIME - 1330	MIAMI, FL	BOEING 727 N356PA DAMAGE-MINOR	CR- 0 0 4 PX- 0 0 0	TRAINING	AIRLINE TRANSPORT, AGE 43, 4302 TOTAL HOURS, 1089 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - MIAMI INTL</p> <p>OPERATOR - PAN AMERICAN WORLD AIRLINES</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>MIAMI, FL LOCAL</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>COLLIDED WITH: AUTOMOBILE TAXI: FROM LANDING</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - MISJUDGED CLEARANCE</p> <p>PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND CREWMAN</p> <p>FACTOR(S)</p> <p>PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: INADEQUATE SUPERVISION/TRAINING OF RAMP CREWS</p> <p>REMARKS- WING TIP STRUCK CARGO LOADER PARKED NR GATE. GND SIGNAL MAN DIRECTING ACFT.</p>						
4-0009	3/29/81 TIME - 1136	JAMAICA, NY	LOCKHEED 1011 N334EA DAMAGE-MINOR	CR- 0 0 12 PX- 0 0267	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - JF KENNEDY INTL</p> <p>OPERATOR - EASTERN AIR LINES, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>JAMAICA, NY MEXICO CITY, MEXICO</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>AIRFRAME FAILURE: ON GROUND TAKEOFF: RUN</p> <p>PROBABLE CAUSE(S)</p> <p>AIRFRAME - LANDING GEAR: WHEELS, TIRES, AXLES</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>REMARKS- NR 1 TIRE FAILED WHEN NR 2 TIRE LOST INFLATION. TAXIED APRX 6MI TO &amp; FM END OF RWY BFR TKOF.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0010	6/3/81 TIME - 1130	DALLAS, TX	BOEING B-727 N401BN DAMAGE-MINOR	CR- 0 0 7 PX- 0 0 31	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - DFW REGIONAL  OPERATOR - BRANIFF AIRWAYS, INC.  DEPARTURE POINT INTENDED DESTINATION  DALLAS, TX CHICAGO, IL  TYPE OF ACCIDENT PHASE OF OPERATION  COLLIDED WITH: PARKED AIRCRAFT TAXI: TO TAKEOFF</p> <p>PROBABLE CAUSE(S)  PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND SIGNALMAN  REMARKS- SIGNALMAN CLRD ACFT FOR TURN. EMPENNAGE STRUCK EMPENNAGE OF BOEING 727, N405BN. MINOR DMG.</p>						
4-0011	10/3/81 TIME - 0722	GREENSBORO, NC	BOEING 737 N767N DAMAGE-MINOR	CR- 0 0 6 PX- 0 0 53	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 40, 5810 TOTAL HOURS, 11942 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - HIGH POINT  OPERATOR - PIEDMONT AVIATION, INC.  DEPARTURE POINT INTENDED DESTINATION  GREENSBORO, NC HOUSTON, TX  TYPE OF ACCIDENT LAST ENROUTE STOP  GEAR COLLAPSED CHARLOTTE, NC  PHASE OF OPERATION  TAXI: TO TAKEOFF</p> <p>PROBABLE CAUSE(S)  AIRFRAME - LANDING GEAR: NOSEWHEEL ASSEMBLIES  MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE  REMARKS- FATIGUE, INNER CYL P/N65-46215-2, INITIATED FRM STRESS CORROSION CRACKING BENEATH OUTSIDE CHROME LAYER</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0012	7/5/81 TIME - 1510	NR.HONOLULU,HI	BOEING 747 N4761U DAMAGE-NONE	CR- 0 0 12 PX- 0 0308	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  OPERATOR - UNITED AIR LINES, INC.  DEPARTURE POINT INTENDED DESTINATION  SAN FRANCISCO, CA HONOLULU, HI  TYPE OF ACCIDENT PHASE OF OPERATION  ENGINE FAILURE OR MALFUNCTION IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)  POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - FAILURE OF TWO OR MORE ENGINES  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-4 ENGINES  REMARKS- ALL 4 ENGS FLAMED OUT AT FL390, RESTARTED BY THE TIME ACFT HAD DESCENDED TO FL260.</p>						
4-0013	7/9/81 TIME - 1620	MINNEAPOLIS, MN	BOEING 747 N602US DAMAGE-MINOR	CR- 0 0 14 PX- 0 0313	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 48, 17424 TOTAL HOURS, 350 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  OPERATOR - NORTHWEST AIRLINES, INC.  DEPARTURE POINT INTENDED DESTINATION  LONDON, ENGLAND MINNEAPOLIS, MN  TYPE OF ACCIDENT PHASE OF OPERATION  AIRFRAME FAILURE: IN FLIGHT LANDING: TRAFFIC PATTERN-CIRCLING</p> <p>PROBABLE CAUSE(S)  AIRFRAME - FLIGHT CONTROL SURFACES: SPOILERS AND SLOTS-LEADING EDGE FLAPS, SPEED BRAKES  MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE  FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT  REMARKS- LOW CYCLIC FATIGUE NO.7 LEADING EDGE FLAP DRIVE TORQUE TUBE, PN65B-80390-60.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0014	6/18/81 TIME - 1121	BURBANK, CA	DOUGLAS DC-9 N925PS DAMAGE-MINOR	CR- 0 0 6 PX- 0 0 63	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - BURBANK-GLENDALE  OPERATOR - PACIFIC SOUTHWEST  DEPARTURE POINT INTENDED DESTINATION  SAN FRANCISCO, CA BURBANK, CA  TYPE OF ACCIDENT PHASE OF OPERATION  MISCELLANEOUS TAXI: FROM LANDING</p> <p>PROBABLE CAUSE(S)  PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL)  AIRFRAME - FUSELAGE: OTHER  MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY SECURED</p> <p>FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT</p> <p>REMARKS- TAIL CONE FELL OFF. BRIDLE CABLE/ARROWHEAD PINS NOT RE-PSND AFTER PART ACTUATION OF EMERG MODE HNDL</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0015	5/12/81 TIME - 0930	UNITY, ME	DEHAVILLAND DHC-6 N386EX DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 6	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 30, 7041 TOTAL HOURS, 3629 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>OPERATOR - AIR NEW ENGLAND</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>WATERVILLE, ME                      BOSTON, MA</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>AIRFRAME FAILURE: IN FLIGHT                      IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>AIRFRAME - FLIGHT CONTROL SURFACES: ELEVATOR ASSEMBLY, ATTACHMENTS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MISSING</p> <p>MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE</p> <p>MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE</p> <p>EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND</p> <p>AIRFRAME BUFFET</p> <p>REMARKS- SVR VIB, LOST EL CTL/TRIM. TRIM TAB BLT, AN23-15, MSG, EL TORQUE TUBE BLT, AN175-27A, FAILED FM FATIGUE.</p>						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0016	1/14/81 TIME - 1832	SEATTLE,WA	BOEING 727 N439BN DAMAGE-NONE	CR- 0 0 6 PX- 0 0 31 OT- 0 0 1	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - BOEING  OPERATOR - BRANIFF AIRWAYS, INC.  DEPARTURE POINT INTENDED DESTINATION  SEATTLE,WA PORTLAND,OR  TYPE OF ACCIDENT PHASE OF OPERATION  COLLISION WITH AIRCRAFT: BOTH ON GROUND TAXI: TO TAKEOFF</p> <p>PROBABLE CAUSE(S)  PILOT IN COMMAND - MISUNDERSTANDING OF ORDERS OR INSTRUCTIONS  FACTOR(S)  WEATHER - FOG  WEATHER BRIEFING - COMPANY DISPATCH  WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE  OBSCURATION 500  VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE  1/2 MILE OR LESS NONE  OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F  FOG 41  WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS  160 8  TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN  IFR IFR</p> <p>REMARKS- NEAR-COLLISION.TWR UN SEE DUE FOG.HOLDING SHORT RWY 13R VICE 13L.2/3 RWY OBSTRUCTED BY B-727.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0016	1/14/81 TIME - 1832	SEATTLE,WA	PIPER PA-23 N6676A DAMAGE-NONE	CR- 0 0 1 PX- 0 0 0 OT- 0 0 37	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	AIRLINE TRANSPORT, AGE 33, 6361 TOTAL HOURS, 1268 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - BOEING  DEPARTURE POINT INTENDED DESTINATION  SEATTLE,WA PORT ANGELES,WA  TYPE OF ACCIDENT  COLLISION WITH AIRCRAFT: BOTH ON GROUND  PHASE OF OPERATION  TAKEOFF: ABORTED</p> <p>PROBABLE CAUSE(S)  PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT  FACTOR(S)  WEATHER - FOG  WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON  WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT</p> <p>SKY CONDITION  OBSCURATION  VISIBILITY AT ACCIDENT SITE  1/2 MILE OR LESS  OBSTRUCTIONS TO VISION AT ACCIDENT SITE  FOG  WIND DIRECTION-DEGREES  160  TYPE OF WEATHER CONDITIONS  IFR  REMARKS- NEAR-COLLISION.B-727 HELD AT WRONG RWY BLOCKING PIPER TKOF.</p> <p>CEILING AT ACCIDENT SITE  500  PRECIPITATION AT ACCIDENT SITE  NONE  TEMPERATURE-F  41  WIND VELOCITY-KNOTS  8  TYPE OF FLIGHT PLAN  IFR</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0017	6/27/81 TIME - 1840	DENVER,CO	BOEING 727 N88708 DAMAGE-MINOR	CR- 0 0 6 PX- 0 0 21	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
NAME OF AIRPORT - STAPLETON INTL						
OPERATOR - CONTINENTAL AIR LINES, INC.						
DEPARTURE POINT INTENDED DESTINATION						
COLORADO SPRINGS, CO DENVER, CO						
TYPE OF ACCIDENT						
AIRFRAME FAILURE: ON GROUND						
PHASE OF OPERATION						
LANDING: ROLL						
PROBABLE CAUSE(S)						
COPILOT - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS						
AIRFRAME - LANDING GEAR: WHEELS, TIRES, AXLES						
MISCELLANEOUS ACTS, CONDITIONS - BURST						
FACTOR(S)						
SYSTEMS - OTHER SYSTEMS: OTHER						
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
REMARKS- ANTISKID INOP. THREE MAIN TIRES FAILED, FLAPS DMGD BY PIECES OF RUBBER.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0018	1/31/81 TIME - 1806	LEESBURG,VA	DOUGLAS DC-10 N143US DAMAGE-MINOR	CR- 0 0 10 PX- 0 0 43	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 49, 16790 TOTAL HOURS, 1414 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>OPERATOR - NORTHWEST AIRLINES, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION LAST ENROUTE STOP</p> <p>BOSTON, MA SEATTLE, WA CHANTILLY, VA</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>ENGINE FAILURE OR MALFUNCTION IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>POWERPLANT - COMPRESSOR ASSEMBLY: FAN</p> <p>MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE</p> <p>FACTOR(S)</p> <p>MISCELLANEOUS - FOREIGN OBJECT DAMAGE</p> <p>MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE</p> <p>MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT</p> <p>COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE</p> <p>REMARKS- NO 30 FAN BLADE IN NO 3 ENG FAILED, FATIGUE BGN AT PREEXISTING HI TEMP ARC BURN. COWL/FAN CASE SEPD.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0019	10/7/81 TIME - 1650	MIDLAND, TX	DOUGLAS DC-9 N8961 DAMAGE-MINOR	CR- 0 0 4 PX- 0 0 9	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - MIDLAND REGIONAL</p> <p>OPERATOR - TEXAS INTERNATIONAL AIRLINES, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>DALLAS, TX MIDLAND, TX</p> <p>TYPE OF ACCIDENT</p> <p>MISCELLANEOUS</p> <p>PHASE OF OPERATION</p> <p>LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S)</p> <p>PERSONNEL - MISCELLANEOUS-PERSONNEL: OTHER</p> <p>AIRFRAME - FUSELAGE: FAIRINGS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED</p> <p>REMARKS- TAILCONE SEPD ORG LNOG.FOUND EXT RLS HANDLE DANGLING, SAFETY WIRE MISSING.CO PROC TO SAFETY HNDL.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0020	8/10/81 TIME - 1435	NR.FT.LAUDERDALE,FL	LOCKHEED L-1011 N726DA DAMAGE-MINOR	CR- 0 0 12 PX- 0 0124	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 54, 25880 TOTAL HOURS, 468 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  OPERATOR - DELTA AIR LINES, INC.  DEPARTURE POINT FT.LAUDERDALE,FL INTENDED DESTINATION NEWARK,NJ  TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S)  POWERPLANT - COMPRESSOR ASSEMBLY: BEARING, ROTOR SHAFT  MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM  MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>FACTOR(S)  PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  REMARKS- LP LOCATION BEARING, PN LK57683, FAILED.</p>						
4-0021	10/17/81 TIME - 1700	NR.LOS ANGELES, CA	DOUGLAS DC-10 N1821U DAMAGE-NONE	CR- 0 0 11 PX- 0 0117	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE 56, 19938 TOTAL HOURS, 1515 IN TYPE, NOT INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  OPERATOR - UNITED AIR LINES, INC.  DEPARTURE POINT LOS ANGELES, CA INTENDED DESTINATION CHICAGO, IL  TYPE OF ACCIDENT MISCELLANEOUS PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S)  PILOT IN COMMAND - INCAPACITATION  REMARKS- 1ST &amp; 2ND OFFICERS LNDG ACFT WO FURTHER INCIDENT AFT CAPT BCM INCAPACITATED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0022	7/7/81 TIME - 1652	DETROIT,MI	SWEARINGEN SA-226 N781S DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 16	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - DETROIT METRO</p> <p>OPERATOR - AIR WISCONSIN, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>DETROIT,MI FORT WAYNE,IN</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>COLLISION WITH GROUND/WATER: CONTROLLED TAKEOFF: INITIAL CLIMB</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - MISJUDGED CLEARANCE</p> <p>FACTOR(S)</p> <p>PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION</p> <p>POWERPLANT - MISCELLANEOUS: OTHER</p> <p>MISCELLANEOUS ACTS, CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT</p> <p>REMARKS- R PROP, FUSELAGE SKIN HIT RWY AFT GEAR WAS RETRACTED. L &amp; R ENGS 18.8 &amp; 7.2PCT BLO TARGET TORQUE.</p>						
4-0023	11/5/81 TIME - 1232	HOUSTON, TX	BOEING 727 N69736 DAMAGE-MINOR	CR- 0 0 6 PX- 0 0 64	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - HOUSTON INTERCONT</p> <p>OPERATOR - CONTINENTAL AIR LINES, INC.</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>DENVER, CO HOUSTON, TX</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>DROGGED WING TIP, POD, OR FLOAT LANDING: OTHER</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE</p> <p>REMARKS- INITIALLY CLRD TO LND RWY 14L, THEN CLEARED RWY 8. DROGGED R WING TIP TURNING TO ALIGN WITH RWY 8.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0024	11/17/81 TIME - 1515	MINNEAPOLIS,MN	DOUGLAS DC-10 N156US DAMAGE-MINOR	CR- 0 0 9 PX- 0 0 93	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - MINNEAPOLIS INTL  OPERATOR - NORTHWEST AIRLINES,INC.  DEPARTURE POINT INTENDED DESTINATION  MINNEAPOLIS,MN DETROIT,MI  TYPE OF ACCIDENT  ENGINE FAILURE OR MALFUNCTION</p> <p>PROBABLE CAUSE(S)  POWERPLANT - COMPRESSOR ASSEMBLY: FAN  MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE  COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  REMARKS- NO 7 FAN BLADE ON THE NO 3 ENG FAILED FM FATIGUE.</p> <p>PHASE OF OPERATION  TAKEOFF: RUN</p>						
4-0025	11/5/81 TIME - 1909	SAN JUAN,PR	LOCKHEED L-1011 N371EA DAMAGE-MINOR	CR- 0 0 9 PX- 0 0187	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - ISLA VERDE  OPERATOR - EASTERN AIR LINES,INC.  DEPARTURE POINT INTENDED DESTINATION  SANTO DOMINGO,DR SAN JUAN,PR  TYPE OF ACCIDENT  COLLIDED WITH: PARKED AIRCRAFT</p> <p>PROBABLE CAUSE(S)  PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND SIGNALMAN  REMARKS- SIGNALMAD STATED HE WAS BLINDED BY TAXI LITE,UN SEE WINGWALKER SIGNALS.MINOR DMG TO DC-8,YV-125C.</p> <p>PHASE OF OPERATION  TAXI: FROM LANDING</p>						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
4-0026	4/8/81 TIME - 2003	JAMAICA, NY	BOEING 727 N8140N DAMAGE-MINOR	CR- 0 0 6 PX- 0 0 67	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - JOHN F KENNEDY  OPERATOR - EASTERN AIR LINES, INC.  DEPARTURE POINT INTENDED DESTINATION  NEW ORLEANS, LA JAMAICA, NY  TYPE OF ACCIDENT  WHEELS-UP</p> <p>PHASE OF OPERATION  LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S)  AIRFRAME - LANDING GEAR: LANDING GEAR WARNING AND INDICATING COMPONENTS  MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>FACTOR(S)  MISCELLANEOUS ACTS, CONDITIONS - INTENTIONAL WHEELS-UP  MISCELLANEOUS - FOREIGN MATERIAL AFFECTING NORMAL OPERATIONS  MISC-CP UN CLRLY OBS/INTERPRET GR PSN IND ALIGNMNT  REMARKS- L GR INDCD UNSAFE W GR DWN, SI DEPOSIT, DWNLCK SW.</p>						
4-0027	9/11/81 TIME - 1000	BIRMINGHAM, AL	BOEING 727 N8888Z DAMAGE-NONE	CR- 0 0 7 PX- 0 0 0	SCHED DOM PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  OPERATOR - EASTERN AIR LINES, INC.  DEPARTURE POINT INTENDED DESTINATION  ATLANTA, GA SAN ANTONIO, TX  TYPE OF ACCIDENT  MISCELLANEOUS</p> <p>PHASE OF OPERATION  IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S)  PERSONNEL - FLIGHT PERSONNEL: FLIGHT ATTENDANT  REMARKS- FLIGHT ATTENDANT INCAPACITATED BY EPILEPTIC SEIZURE. NO OF PAX NOT OBTAINED.</p>						



U. S.  
GENERAL AVIATION  
SECTION



NATIONAL TRANSPORTATION SAFETY BOARD  
WASHINGTON, D. C. 20594  
BRIEFS OF U. S. GENERAL AVIATION ACCIDENTS  
OCCURRING ON U. S. SOIL  
SUPPLEMENTAL ISSUE  
1981

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3618	6/4/81 TIME - 1745	ANVIK, AK	BEECH G18S N146PA DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	AIRLINE TRANSPORT, AGE 37, 12700 TOTAL HOURS, 327 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - ANVIK DEPARTURE POINT ANVIK, AK TYPE OF ACCIDENT STALL: MUSH	INTENDED DESTINATION ANCHORAGE, AK	PHASE OF OPERATION TAKEOFF: INITIAL CLIMB		
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO ABORT TAKEOFF PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G. FIRE AFTER IMPACT REMARKS- 188LBS OVR MAX GWT.COMPANY FLT PLAN.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3619	6/30/81	NR.FAREWELL,AK	HUGHES 500D	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 26, 3500
	TIME - 0845		N58262	PX- 0 0 2	AIR TAXI-PASSG	TOTAL HOURS, 254 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP		
	CHARLIE LAKE,AK	UNKNOWN/NOT REPORTED		FAREWELL,AK		
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	ENGINE FAILURE OR MALFUNCTION			LANDING: FINAL APPROACH		
	HARD LANDING			LANDING: POWER-OFF AUTOROTATIVE LANDING		
	PROBABLE CAUSE(S)					
	POWERPLANT - FUEL SYSTEM: OTHER					
	MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE					
	FACTOR(S)					
	TERRAIN - ROUGH/UNEVEN					
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	FIRE AFTER IMPACT					
	REMARKS- CO FLT PLN. PLT MAKING PINNACLE APP TO RIDGELNE.GOVERNOR LEVER CONTROL ROD FAILED.					
3-3610	8/4/81	NR.KODIAK,AK	PIPER PA-18	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 49, 121
	TIME - 1700		N2532C	PX- 0 1 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, UNK/NR IN
			DAMAGE-SUBSTANTIAL			TYPE, NOT INSTRUMENT
	DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP		RATED.
	KODIAK,AK	KODIAK,AK		RUSSIAN ANCHORAGE,AK		
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	STALL: SPIRAL			IN FLIGHT: LOW PASS		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER					
	REMARKS- FLOAT EQUIPPED					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3640	8/7/81 TIME - 1030	NR.KETCHIKAN,AK	DEHAVILLAND DHC-2 N31618 DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 4 1	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 26, 1671 TOTAL HOURS, 541 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT KETCHIKAN,AK		INTENDED DESTINATION RETURN		LAST ENROUTE STOP UNKNOWN/NOT REPORTED	
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: UNCONTROLLED				PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT	
	PROBABLE CAUSE(S) PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - BECAME LOST/DISORIENTED PILOT IN COMMAND - SPATIAL DISORIENTATION					
	FACTOR(S) WEATHER - FOG WEATHER BRIEFING - BRIEFING RECEIVED-METHOD UNKNOWN WEATHER FORECAST - FORECAST SUBSTANTIALY CORRECT					
	SKY CONDITION OBSCURATION VISIBILITY AT ACCIDENT SITE ZERO OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG WIND VELOCITY-KNOTS CALM TYPE OF FLIGHT PLAN OTHER FIRE AFTER IMPACT REMARKS- FLOAT EQUIPPED.CO FLT PLN.				CEILING AT ACCIDENT SITE UNKNOWN/NOT REPORTED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 63 TYPE OF WEATHER CONDITIONS IFR	

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3638	8/9/81 TIME - 1330	NR.PORT MOLLER,AK	PIPER PA-18 N9664P DAMAGE-DESTROYED	CR- 0 1 0 PX- 1 0 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, AGE 23, 1615 TOTAL HOURS, 15 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT BEAR LAKE LODGE,AK	INTENDED DESTINATION RETURN			LAST ENROUTE STOP UNKNOWN/NOT REPORTED	
	TYPE OF ACCIDENT STALL: SPIN				PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FIRE AFTER IMPACT REMARKS- FISH STREAM SURVEY.					
3-3628	8/11/81 TIME - 1915	NR.SKAGWAY,AK	PIPER PA-32 N8224Q DAMAGE-DESTROYED	CR- 1 0 0 PX- 5 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, FL.INSTR., AGE 37, 1558 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT SKAGWAY,AK	INTENDED DESTINATION LOCAL				
	TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED				PHASE OF OPERATION IN FLIGHT: LOW PASS	
	PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - FLEW INTO BLIND CANYON FIRE AFTER IMPACT REMARKS- ACFT'S R WING IMPACTED BOULDER WHILE EXITING MOUTH OF 3000FT DEEP CANYON WHILE IN 45DEG R BANK.					



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3655	8/23/81	NR.KENAI,AK	BELL 212	CR- 0 1 0	COMMERCIAL	COMMERCIAL, AGE 37, 9500
	TIME - 2304		N392EH	PX- 0 0 0	CTR PASSG-D	TOTAL HOURS, 1150 IN
			DAMAGE-SUBSTANTIAL			TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION		LAST ENROUTE STOP	
	KENAI,AK		RETURN		OIL PLATFORM	
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT: DESCENDING	
	DITCHING				LANDING: POWER-OFF AUTOROTATIVE LANDING	
	PROBABLE CAUSE(S)					
	POWERPLANT - FUEL SYSTEM: PUMP,FUEL					
	MISCELLANEOUS ACTS,CONDITIONS - EXCESSIVE-WEAR/PLAY					
	PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.					
	PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND					
	PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M.					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER					
	REMARKS- SPLINES OF NO 1 ENG FUEL PUMP DRIVE SHAFT,PN 02-14910-01, WORN.FLOATS POPPED OUT FM IMPACT.CO PLN.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3671	8/27/81	NR.LK MINCHUMINA,AK	HUGHES 369D	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 51, 20000
	TIME - 1200		N8363F	PX- 0 0 2	AIR TAXI-PASSG	TOTAL HOURS, 1503 IN
			DAMAGE-DESTROYED			TYPE, NOT INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		FIELD SITE	LK MINCHUMINA,AK			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			IN FLIGHT: NORMAL CRUISE	
		ROLL OVER			LANDING: POWER-OFF AUTOROTATIVE LANDING	
		PROBABLE CAUSE(S)				
		POWERPLANT - COMPRESSOR ASSEMBLY: STATOR VANE				
		PWR PLT-3RD STAGE STATOR VANES ERODED.				
		MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE				
		FACTOR(S)				
		TERRAIN - WET,SOFT GROUND				
		TERRAIN - ROUGH/UNEVEN				
		TERRAIN - HIGH OBSTRUCTIONS				
		PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		FIRE AFTER IMPACT				
		REMARKS- CLRDR TREES,MARSHY/UNEVEN TUNDRA.COMPRSR,1131HRS.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3630	9/1/81 TIME - 2025	LTl DIOMEDE IS,AK	PIPER PA-23 N14348 DAMAGE-DESTROYED	CR- 1 0 0 PX- 2 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 26, 2637 TOTAL HOURS, 198 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT NOME,AK	INTENDED DESTINATION NOME,AK			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED	PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE			
PROBABLE CAUSE(S) PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS						
FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING						
WEATHER - FOG						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
		SKY CONDITION OBSCURATION	CEILING AT ACCIDENT SITE 0			
		VISIBILITY AT ACCIDENT SITE ZERO	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE FOG	WIND DIRECTION-DEGREES 350			
		WIND VELOCITY-KNOTS 25	TYPE OF WEATHER CONDITIONS IFR			
		TYPE OF FLIGHT PLAN VFR				
		FIRE AFTER IMPACT				
REMARKS- SIGHT-SEEING FLT.LCL PLTS STTD COMMON TECHNIQUE FLY JUST ABV WTR SFC WHLE APP IS TILL ENCNTG BRDS.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3637	9/2/81	LK CLARK PASS,AK	PIPER PA-32	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 30, 2380
	TIME - 1355		N4258N	PX- 0 0 2	AIR TAXI-PASSG	TOTAL HOURS, 360 IN TYPE,
			DAMAGE-SUBSTANTIAL			INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	ANCHORAGE,AK	ILLIAMNA,AK				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	PROPELLER/ROTOR FAILURE: PROPELLER				IN FLIGHT: NORMAL CRUISE	
	COLLISION WITH GROUND/WATER: CONTROLLED				LANDING: LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)					
	POWERPLANT - PROPELLER AND ACCESSORIES: BLADES					
	MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT					
	TERRAIN - SANDY					
	TERRAIN - LOOSE GRAVEL					
	MISCELLANEOUS ACTS,CONDITIONS - DOWNWIND					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	REMARKS- PROP TIP SEPARATED DUE TO HIGH CYCLE FATIGUE AT FILED DOWN NICK ON LDG EDGE,WIND GUSTS TO 25 KTS.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3629	9/4/81	GOLOVIN, AK	CESSNA 207A	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 34, 866
	TIME - 2200		N73771	PX- 0 0 3	COMMUTER AIR CARRIER	TOTAL HOURS, 54 IN TYPE,
			DAMAGE-SUBSTANTIAL		AIR TAXI-PASSG S-D	INSTRUMENT RATED.
	NAME OF AIRPORT - GOLOVIN					
	DEPARTURE POINT	INTENDED DESTINATION			LAST ENROUTE STOP	
	NOME, AK	RETURN			GOLOVIN, AK	
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: CONTROLLED				LANDING: GO-AROUND	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - DELAYED IN INITIATING GO-AROUND					
	MISCELLANEOUS ACTS, CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA					
	FACTOR(S)					
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING					
	AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES: OTHER					
	REMARKS- NO ARPT OR RUNWAY LIGHTING.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3639	9/5/81 TIME - 1405	KETCHIKAN, AK	CESSNA 340A N2695A DAMAGE-DESTROYED	CR- 1 0 0 PX- 3 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 46, 2614 TOTAL HOURS, 8 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - KETCHIKAN			LAST ENROUTE STOP	
		DEPARTURE POINT HEPPNER, OR	INTENDED DESTINATION KETCHIKAN, AK	YAKIMA, WN		
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED			PHASE OF OPERATION LANDING: FINAL APPROACH	
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IFR OPERATION						
FACTOR(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT WEATHER - LOW CEILING WEATHER - RAIN WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE WEATHER FORECAST - FORECAST SUBSTANTIALY CORRECT						
SKY CONDITION BROKEN			CEILING AT ACCIDENT SITE 1000			
VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE RAIN			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 57			
WIND DIRECTION-DEGREES 110			WIND VELOCITY-KNOTS 15			
TYPE OF WEATHER CONDITIONS IFR			TYPE OF FLIGHT PLAN IFR			
FIRE AFTER IMPACT REMARKS- ILS/DME. WITNESSES STATED MOUNTAIN TOPS OBSCURED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3654	9/13/81	NR.CAPE YAKATAGA,AK	BEECH B50	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 23, 1038
	TIME - 0154		N3580B	PX- 4 0 0	CORP/EXEC	TOTAL HOURS, 17 IN TYPE,
			DAMAGE-UNKNOWN			INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	PETERSBURS,AK		CORDOVA,AK			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT: NORMAL CRUISE	
	DITCHING				LANDING: LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING					
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING					
	MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - PILOT FATIGUE					
	MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-2 ENGINES					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER					
	REMARKS- INJURY INDEX & DAMAGE PRESUMED.PLT FLEW AT LEAST 11HRS IN THE 24HR PERIOD PRECEDING THE ACCDT.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3683	11/6/81	NR.SKWENTNA,AK	CESSNA 207	CR- 1 0 0	MISCELLANEOUS	COMMERCIAL, AGE 29, 3400
	TIME - 1305		N91083	PX- 1 0 0	FERRY	TOTAL HOURS, 210 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	GALENA,AK		ANCHORAGE,AK			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: CONTROLLED				IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS					
	FACTOR(S)					
	PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.					
	WEATHER - SNOW					
	MISCELLANEOUS ACTS,CONDITIONS - WHITEOUT					
	WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE					
	WEATHER FORECAST - WEATHER SLIGHTLY WORSE THAN FORECAST					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	UNKNOWN/NOT REPORTED				UNKNOWN/NOT REPORTED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	UNKNOWN/NOT REPORTED				SNOW	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TYPE OF WEATHER CONDITIONS	
	UNKNOWN/NOT REPORTED				UNKNOWN/NOT REPORTED	
	TYPE OF FLIGHT PLAN					
	VFR					
	REMARKS- OPERATOR CAUTIONED PLT AGAINST USING MYSTIC PASS,DRUG SCREEN POS FOR CANNABINOIDS,ACETAMINOPHEN.					



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3659	11/7/81	NR.SAVOONGA,AK	AERO COMDR 680E	CR- 1 0 0	COMMERCIAL	COMMERCIAL, AGE 21, 878
	TIME - 1442		N62728	PX- 0 0 0	COMMUTER AIR CARRIER	TOTAL HOURS, 200 IN TYPE,
			DAMAGE-DESTROYED		AIR TAXI-CARGO S-D	INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION		LAST ENROUTE STOP	
	NOME,AK		RETURN		GAMBELL,AK	
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: CONTROLLED				IN FLIGHT: DESCENDING	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS					
	FACTOR(S)					
	WEATHER - LOW CEILING					
	WEATHER - FOG					
	WEATHER - ADVERSE WINDS ALOFT					
	WEATHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHER DATA					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	OVERCAST				UNKNOWN/NOT REPORTED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	UNKNOWN/NOT REPORTED				UNKNOWN/NOT REPORTED	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	UNKNOWN/NOT REPORTED				20	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	IFR				VFR	
	REMARKS- MAIL FLIGHT.STRUCK MTN AT 2000FT LVL.SKY COND AT SAVOONGA 500 TO 600FT OVRCST.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3620	12/4/81	TUNTUTULIAK, AK	PIPER PA-32	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 27, 3026
	TIME - 1532		N15400	PX- 0 0 6	AIR TAXI-PASSG	TOTAL HOURS, 70 IN TYPE,
			DAMAGE-SUBSTANTIAL			INSTRUMENT RATED.
		NAME OF AIRPORT - TUNTUTULIAK				
		DEPARTURE POINT	INTENDED DESTINATION			
		TUNTUTULIAK, AK	GOODNEWS BAY, AK			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			TAKEOFF: INITIAL CLIMB	
		COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S)				
		POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS				
		PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3660	12/15/81 TIME - 1330	MT MCKINLEY, AK	CESSNA 185 N4311R DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 2 1 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 26, 1157 TOTAL HOURS, 545 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT TALKEETNA, AK	INTENDED DESTINATION ROUND ROBIN & RETURN			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED	PHASE OF OPERATION IN FLIGHT: OTHER			
PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING						
FACTOR(S) WEATHER - UNFAVORABLE WIND CONDITIONS WEATHER - DOWNDRAFT, UPDRAFTS WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
		SKY CONDITION UNKNOWN/NOT REPORTED	CEILING AT ACCIDENT SITE UNLIMITED			
		VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)	PRECIPITATION AT ACCIDENT SITE NONE			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE	TYPE OF WEATHER CONDITIONS VFR			
		TYPE OF FLIGHT PLAN VFR				
REMARKS- ENCTRD DWNDFT WHILE APCHG MTN PASS. WND AT TALKEENA 360 DEG AT 7 GSTG 15KTS.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3636	10/28/81	SALOME,AZ	HUGHES 369HS N9084F DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 47, 624 TOTAL HOURS, 119 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - PRIVATE HELI-PAD DEPARTURE POINT INTENDED DESTINATION BLYTHE,CA SALOME,AZ TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION HARD LANDING  PHASE OF OPERATION IN FLIGHT: LOW PASS LANDING: POWER-OFF AUTOROTATIVE LANDING.  PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
3-3677	12/2/81	CHANDLER,AZ	MOONEY M20E N9159V DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 30, 550 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - CHANDLER DEPARTURE POINT INTENDED DESTINATION CHANDLER,AZ BUCKEYE,AZ TYPE OF ACCIDENT GEAR RETRACTED  PHASE OF OPERATION TAKEOFF: RUN  PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING FACTOR(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: OTHER REMARKS- GEAR RETRACTED AT 70 TO 80MPH.AIR SW OPERD AT 70MPH.SYS CKD GOOD.ACFT LEFT UNLOCKED AFT PREV FLT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3658	12/9/81 TIME - 2003	TUCSON,AZ	CESSNA 172 N5384R DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 43, 108 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - TUCSON INTL DEPARTURE POINT TUCSON,AZ INTENDED DESTINATION LOCAL TYPE OF ACCIDENT UNDERSHOOT COLLIDED WITH: WIRES/POLES  PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT PHYSICAL CONDITION OF PASSENGER REMARKS- RTRND TO ARPT FOR PRCTNRY LNDG WHEN PAX HAD TROUBLE BREATHING.PLT DRCTD ATTN TO PAX,HIT PWR LN,NGT						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3624	12/21/81 TIME - 1923	VERNON,AZ	CESSNA 172 N652SE DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, FL.INSTR., AGE 37, 1105 TOTAL HOURS, 47 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ALBUQUERQUE,NM	INTENDED DESTINATION PHOENIX,AZ			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED	PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT						
PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS						
FACTOR(S)						
WEATHER - LOW CEILING						
WEATHER - SNOW						
WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC.						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY RADIO						
WEATHER FORECAST - FORECAST SUBSTANTIALY CORRECT						
		SKY CONDITION OVERCAST	CEILING AT ACCIDENT SITE 0			
		VISIBILITY AT ACCIDENT SITE UNKNOWN/NOT REPORTED	PRECIPITATION AT ACCIDENT SITE SNOW SHOWERS			
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE UNKNOWN/NOT REPORTED	TEMPERATURE-F 32			
		WIND DIRECTION-DEGREES 250	WIND VELOCITY-KNOTS 10			
		TYPE OF WEATHER CONDITIONS IFR	TYPE OF FLIGHT PLAN VFR			
REMARKS- NOT DEICER EQPD.MTNS OBSCURED BY CLOUDS & PRECIP.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3604	2/2/81	SAN CLEMENT IS, CA	BEECH TC-45J N68392 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 36, 300 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
DEPARTURE POINT UNKNOWN/NOT REPORTED			INTENDED DESTINATION SANTA BARBARA, CA			
TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED			PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING						
MISSING AIRCRAFT - LATER RECOVERED						
REMARKS- RECOVERY DATE 9/11/81. APPROX 900LBS MARIJUANA FD IN & AROUND WRECKAGE.						
3-3611	5/11/81	REDDING, CA	BEECH 58P N154Z DAMAGE-DESTROYED	CR- 1 0 0 PX- 3 0 0	MISCELLANEOUS OTHER PUBLIC	COMMERCIAL, FL. INSTR., AGE 41, 8600 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - REDDING MUNI			INTENDED DESTINATION CHICO, CA			
DEPARTURE POINT REDDING, CA						
TYPE OF ACCIDENT STALL: MUSH			PHASE OF OPERATION LANDING: FINAL APPROACH			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FIRE AFTER IMPACT						
REMARKS- EXH STACK FD ON TXWY N APP END RWY34. SHORTLY AFT TKOF PLT TRANS COMING BACK ARND F LNDG. COL W BLG.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3626	9/26/81	HEMET,CA	CESSNA 150	CR- 1 0 0	NONCOMMERCIAL	STUDENT, AGE 37, 20 TOTAL
	TIME - 0645		N6277G	PX- 0 0 0	PLEASURE/PERSONAL TRANSP	HOURS, 18 IN TYPE, NOT
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	NAME OF AIRPORT -	HEMET-RYAN				
	DEPARTURE POINT		INTENDED DESTINATION			
	HEMET,CA		LOCAL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER:	UNCONTROLLED			TAKEOFF: INITIAL CLIMB	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND -	INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS				
	PILOT IN COMMAND -	PHYSICAL IMPAIRMENT				
	MISCELLANEOUS ACTS,CONDITIONS -	ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT				
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS -	STOLEN OR UNAUTHORIZED USE OF AIRCRAFT				
	WEATHER -	LOW CEILING				
	WEATHER -	FOG				
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	OVERCAST				UNKNOWN/NOT REPORTED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	2 MILES OR LESS				NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TYPE OF WEATHER CONDITIONS	
	FOG				IFR	
	TYPE OF FLIGHT PLAN					
	NONE					
	FIRE AFTER IMPACT					
	REMARKS-	STU PLT CONVICTED 8/81 FOR TAKING ACFT W/O CONSENT & FOR PUBLIC INTOXICATION.				



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3627	10/21/81	RR.TEHACHAPI,CA	PIPER PA-28R	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 55, 1950
	TIME - 1515		N3751T	PX- 2 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 200 IN TYPE,
			DAMAGE-DESTROYED			NOT INSTRUMENT RATED.
	DEPARTURE POINT	TEHACHAPI,CA	INTENDED DESTINATION			
	TYPE OF ACCIDENT	COLLISION WITH GROUND/WATER: CONTROLLED			PHASE OF OPERATION	
					IN FLIGHT: OTHER	
	PROBABLE CAUSE(S)	PILOT IN COMMAND - MISJUDGED DISTANCE,SPEED,ALTITUDE OR CLEARANCE				
	FACTOR(S)	WEATHER - HIGH DENSITY ALTITUDE				
	SKY CONDITION	SCATTERED			CEILING AT ACCIDENT SITE	UNLIMITED
	VISIBILITY AT ACCIDENT SITE	5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE	NONE
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE	NONE			TEMPERATURE-F	65
	WIND DIRECTION-DEGREES	290			WIND VELOCITY-KNOTS	10
	TYPE OF WEATHER CONDITIONS	VFR			TYPE OF FLIGHT PLAN	NONE
	FIKE AFTER IMPACT	REMARKS- CRASHED IN MOUNTAINOUS TRRN APRX 4800FT MSL.D/A APRX 6200FT.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3607	3/25/81	NR.KIOWA,CO	CESSNA 172M	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 23, 66 TOTAL
	TIME - 1620		N9826V	PX- 1 0 0	PLEASURE/PERSONAL TRANSP	HOURS, 23 IN TYPE, NOT
			DAMAGE-SUBSTANTIAL			INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	DENVER,CO	LOCAL				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: CONTROLLED				IN FLIGHT: LOW PASS	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT					
	REMARKS- LCL PLTS KNOWN TO PRACTICE DROPPING OBTS ON TGTS AT LOW ALTS.SML FLOUR SACKS FD IN ACFT & N IMPCT.-					
3-3662	4/17/81	LOVELAND,CO	HANDLY PAGE HP-137	CR- 3 0 0	COMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1601		N11360	PX- 10 0 0	COMMUTER AIR CARRIER	27, 4784 TOTAL HOURS,
			DAMAGE-DESTROYED	OT- 2 3 1	AIR TAXI-PASSG S-D	1784 IN TYPE, INSTRUMENT
	DEPARTURE POINT	INTENDED DESTINATION				RATED.
	DENVER,CO	GILLETTE,WY				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH AIRCRAFT: BOTH IN FLIGHT				IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT					
	PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT					
	PERSONNEL - TRAFFIC CONTROL PERSONNEL: OTHER					
	FACTOR(S)					
	PERSONNEL - RULES,REGULATIONS,STANDARDS PERSONNEL					
	SPECIAL DATA					
	SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-SMALL US GEN.AV.					
	CONTROLLING AGENCY - CENTER EN-ROUTE				RADAR CTL/SURVEILLANCE - UNDER RADAR CONTACT	
	TRAFFIC ADVISORY ISSUED - NONE				CONTROL ZONE/AREA - YES	
	HORIZONTAL COLLISION ANGLE-DEGREES - 45				EVASIVE ACTION TAKEN - UNKNOWN/NOT REPORTED	
	FIRE AFTER IMPACT					
	REMARKS- OTR ACFT,PRCHT OPN ABV 12500FT WO ENCODING XPONDER/COM,CTR CONDONED.REGS PMTD JUMPS IN/ADJ TO AWY.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3662	4/17/81	LOVELAND, CO	CESSNA TU206A	CR- 0 1 0	MISCELLANEOUS	ATP, FLIGHT INSTR., AGE
	TIME - 1601		N4862F	PX- 2 2 1	PARAJUMP-SPORT	UNK/NR, 4600 TOTAL HOURS,
			DAMAGE-DESTROYED	OT- 13 0 0		400 IN TYPE, INSTRUMENT
						RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	LOVELAND, CO	LOCAL				
	TYPE OF ACCIDENT	PHASE OF OPERATION				
	COLLISION WITH AIRCRAFT: BOTH IN FLIGHT	IN FLIGHT: CLIMB TO CRUISE				
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC.					
	PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT					
	PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT					
	PERSONNEL - TRAFFIC CONTROL PERSONNEL: OTHER					
	FACTOR(S)					
	PERSONNEL - RULES, REGULATIONS, STANDARDS PERSONNEL					
	SPECIAL DATA					
	SEGMENTS OF AVIATION INVOLVED - SMALL US GEN. AV. - SMALL US GEN. AV.					
	CONTROLLING AGENCY - NO CONTROL	RADAR CTL/SURVEILLANCE - NOT UNDER RADAR CONTACT				
	TRAFFIC ADVISORY ISSUED - NONE	CONTROL ZONE/AREA - YES				
	HORIZONTAL COLLISION ANGLE-DEGREES - 45	EVASIVE ACTION TAKEN - NO				
	REMARKS- CLBD INTO CTLD AIRSPACE WO COM/ENCODING EXPONDERCTR CONDONED OPN. PRCHT JUMPS PMTD IN/ADJ TO AWYS.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3623	5/18/81	NR.CASTLE ROCK,CO	CESSNA T210N	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 43, 313
	TIME - 1045		N5137Y	PX- 3 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 106 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-DESTROYED			
	AMES,IA		INTENDED DESTINATION			
	TYPE OF ACCIDENT		CASTLE ROCK,CO			
	COLLISION WITH GROUND/WATER: UNCONTROLLED				PHASE OF OPERATION	
					IN FLIGHT: UNCONTROLLED DESCENT	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL					
	PILOT IN COMMAND - IMPROPER IFR OPERATION					
	PILOT IN COMMAND - SPATIAL DISORIENTATION					
	FACTOR(S)					
	WEATHER - LOW CEILING					
	WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	OVERCAST				700	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER(UNLIMITED)				UNKNOWN/NOT REPORTED	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	FOG				40	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	340				15	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	IFR				IFR	
	REMARKS- CRASHED DRG ILS APCH.PLT HAD HISTORY OF IFR FLYING.STATED"...MY RNAV MADE A MISTAKE" BFR CRASH.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3649	6/13/81	NR. LEADVILLE, CO	BEECH C24R	CR- 2 0 0	INSTRUCTIONAL	COMMERCIAL, FL. INSTR.,
	TIME - 1005		N5213M	PX- 1 0 0	DUAL	AGE 25, 1847 TOTAL HOURS,
			DAMAGE-DESTROYED			34 IN TYPE, INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION		PHASE OF OPERATION	
		LEADVILLE, CO	COLORADO SPGS, CO		IN FLIGHT: OTHER	
		TYPE OF ACCIDENT				
		COLLIDED WITH: TREES				
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
		PILOT IN COMMAND - MISJUDGED CLEARANCE				
		FACTOR(S)				
		WEATHER - UNFAVORABLE WIND CONDITIONS				
		WEATHER - DOWNDRAFT, UPDRAFTS				
		WEATHER - HIGH DENSITY ALTITUDE				
		WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED				
		MISSING AIRCRAFT - LATER RECOVERED				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		CLEAR			UNLIMITED	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		5 OR OVER(UNLIMITED)			NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F	
		NONE			70	
		WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS	
		240			34	
		TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN	
		VFR			NONE	
		FIRE AFTER IMPACT				
		REMARKS- MTN FLYING TRAINING. CRASHED DOWN SLOPE NEAR MTN PASS. DA APRX 15000FT. RECOVERY DATE 6/20/81.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3612	11/18/81	NR.EAGLE,CO	MITSUBISHI MU-2B	CR- 2 0 0	NONCOMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1820		N444AK	PX- 5 0 0	CORP/EXEC	29, 5339 TOTAL HOURS, 45
			DAMAGE-DESTROYED			IN TYPE, INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		SHREVEPORT,LA	EAGLE,CO			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			IN FLIGHT: DESCENDING	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER IFR OPERATION				
		REMARKS- DARK NIGHT W OVERCAST CEILING.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3613	11/24/81	NR.LA VETA,CO	MOONEY M-21	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 32, 367
	TIME - 2146		N9777M	PX- 0 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, UNK/NR IN
			DAMAGE-DESTROYED			TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	CHEYENNE,WY		ALBUQUERQUE,NM			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLIDED WITH: TREES				IN FLIGHT: UNCONTROLLED DESCENT	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - CONTINUED FLIGHT INTO KNOWN AREAS OF SEVERE TURBULENCE					
	FACTOR(S)					
	WEATHER - UNFAVORABLE WIND CONDITIONS					
	WEATHER - DOWNDRAFT,UPDRAFTS					
	WEATHER BRIEFING - BRIEFED BY WEATHER BUREAU PERSONEL, BY PHONE					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	CLEAR				UNLIMITED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER(UNLIMITED)				NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	NONE				35	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	220				60	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	VFR				VFR	
	FIRE AFTER IMPACT					
	REMARKS- PLT RCVD WX BRIEFING THAT INCLUDED FORECAST STRONG WINDS WITH OCC SVR TURB.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/W	FLIGHT PURPOSE	PILOT DATA
3-3614	12/26/81	HAYDEN, CO	BEECH 255 N1766C DAMAGE-DESTROYED	CR- 1 0 0 PX- 2 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 25, 477 TOTAL HOURS, 23 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - YAMPA VALLEY				
		DEPARTURE POINT	INTENDED DESTINATION			
		GRAND ISLAND, NE	HAYDEN, CO			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: MISSED APPROACH	
PROBABLE CAUSE(S)						
PILOT IN COMMAND - IMPROPER IFR OPERATION						
FACTOR(S)						
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL						
WEATHER - LOW CEILING						
WEATHER - SNOW						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY RADIO						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
SKY CONDITION			CEILING AT ACCIDENT SITE			
OVERCAST			800			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
1 MILE OR LESS			SNOW			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F			
NONE			15			
WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS			
310			10			
TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN			
IFR			IFR			
REMARKS- PLT RCVD INST RATING 11/27/81. HAD LOGGED 0.6HRS ACTUAL, 36.3HRS SIMULATED.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3647	12/28/81	NR.GUNNISON,CO	CESSNA T210M	CR- 0 1 0	NONCOMMERCIAL	PRIVATE, AGE 45, 1307
	TIME - 1115		N732RN	PX- 0 2 2	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 36 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
		NAME OF AIRPORT - GUNNISON COUNTY				
		DEPARTURE POINT	INTENDED DESTINATION			
		DALHART,TX	GUNNISON,CO			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			LANDING: FINAL APPROACH	
		COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
		PILOT IN COMMAND - MISMANAGEMENT OF FUEL				
		MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION				
		FACTOR(S)				
		PILOT IN COMMAND - BECAME LOST/DISORIENTED				
		WEATHER - UNFAVORABLE WIND CONDITIONS				
		MISCELLANEOUS ACTS,CONDITIONS - MISCALCULATED FUEL CONSUMPTION				
		TERRAIN - ROUGH/UNEVEN				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE				
		WEATHER FORECAST - UNKNOWN/NOT REPORTED				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		BROKEN			5500	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		5 OR OVER(UNLIMITED)			NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F	
		NONE			13	
		WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS	
		50			3	
		TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN	
		VFR			VFR FLIGHT FOLLOWING SERVICE	
		REMARKS- BCM LOST AFT ENCTRG STG WND.S.RADAR IDENT NR ALAMOSA,CO,CONTD TO GUNNISON.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3648	12/31/81	PUEBLO, CO	CESSNA 340A	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 34, 5299
	TIME - 2137		N6272N	PX- 0 0 3	AIR TAXI-PASSG	TOTAL HOURS, 165 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
		NAME OF AIRPORT - PUEBLO MEMORIAL				
		DEPARTURE POINT	INTENDED DESTINATION			
		DENVER, CO	PUEBLO, CO			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			IN FLIGHT: DESCENDING	
		STALL			LANDING: FINAL APPROACH	
		PROFABLE CAUSE(S)				
		POWERPLANT - ENGINE CONTROLS: THROTTLE-POWER LEVER ASSEMBLIES				
		MISCELLANEOUS ACTS, CONDITIONS - JAMMED				
		PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED				
		PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE				
		FIRE AFTER IMPACT				
		REMARKS- SHUT DWN L ENG AFT L THROTTLE CABLE JAMMED AT APRX 30 INCHES MANIFOLD PRES.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3684	12/31/81 TIME - 2000	DURANGO, CO	PIPER PA-31 N41070 DAMAGE-DESTROYED	CR- 1 0 0 PX- 3 2 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	ATP, FLIGHT INSTR., AGE 33, 4900 TOTAL HOURS, 1381 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - DURANGO-LA PLATA			INTENDED DESTINATION			
DEPARTURE POINT			DURANGO, CO			
ALBUQUERQUE, NM						
TYPE OF ACCIDENT			PHASE OF OPERATION			
COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: MISSED APPROACH			
PROBABLE CAUSE(S)						
MISCELLANEOUS - UNDETERMINED						
FACTOR(S)						
WEATHER - LOW CEILING						
WEATHER - FOG						
WEATHER - SNOW						
WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
SKY CONDITION			CEILING AT ACCIDENT SITE			
OBSCURATION			400			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
1 MILE OR LESS			SNOW			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			RELATIVE BEARING OF WIND			
FOG			CALM			
WIND VELOCITY-KNOTS			TYPE OF WEATHER CONDITIONS			
CALM			IFR			
TYPE OF FLIGHT PLAN						
IFR						
FIRE AFTER IMPACT						
REMARKS- PLT FAILED TO EXECUTE SUCCESSFULLY A MISSED APPROACH PROCEDURE FOR UNDETERMINED REASONS.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3641	6/22/81 TIME - 2115	OXFORD,CT	AEROSTAR 601P N86BW DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL CORP/EXEC	ATP, FLIGHT INSTR., AGE 37, 8500 TOTAL HOURS, 200 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - WATERBURY-OXFORD DEPARTURE POINT INTENDED DESTINATION OXFORD,CT MANCHESTER,NH TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF: INITIAL CLIMB COLLISION WITH GROUND/WATER: UNCONTROLLED TAKEOFF: INITIAL CLIMB  PROBABLE CAUSE(S) POWERPLANT - LUBRICATING SYSTEM: PUMP-PRESSURE MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. MISCELLANEOUS ACTS, CONDITIONS - IMPROPER EMERGENCY PROCEDURES COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE FIRE AFTER IMPACT REMARKS- CRASHED IN DESCENDING RIGHT TURN. R ENG OIL PUMP FAILED.						
3-3656	8/31/81 TIME - 1540	GRANBY,CT	ROBINSON R-22 N90560 DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 22, 67 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
DEPARTURE POINT INTENDED DESTINATION ELLINGTON,CT LOCAL TYPE OF ACCIDENT PHASE OF OPERATION PROPELLER/ROTOR FAILURE: MAIN ROTOR IN FLIGHT: LOW PASS  PROBABLE CAUSE(S) ROTORCRAFT - ROTOR ASSEMBLIES: MAIN ROTOR BLADES MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT FIRE AFTER IMPACT REMARKS- MAIN ROTOR BLADE, ROBINSON S/N 370, FAILED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3679	9/19/81	HOMESTEAD, FL	CESSNA 150	CR- 1 0 0	INSTRUCTIONAL	PRIVATE, AGE 22, 523
	TIME - UNK/NR		N1502Q	PX- 0 0 0	TRAINING	TOTAL HOURS, 392 IN TYPE, NOT INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-DESTROYED			
	TAMiami, FL		INTENDED DESTINATION			
	TYPE OF ACCIDENT		UNKNOWN/NOT REPORTED			
	COLLISION WITH GROUND/WATER: UNCONTROLLED				PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - PHYSICAL IMPAIRMENT					
	MISCELLANEOUS ACTS, CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT					
	MISSING AIRCRAFT - LATER RECOVERED					
	REMARKS- LIVER TISSUE FLUID ALCOHOL LVL 0.185%. RECOVERY DATE 9/24/82.					
3-3605	11/19/81	NR. JACKSONVILLE, FL	MITSUBISHI MU-2B	CR- 2 0 0	NONCOMMERCIAL	COMMERCIAL, FL. INSTR.,
	TIME - 1008		N750MA	PX- 0 0 0	PRACTICE	AGE 28, 3625 TOTAL HOURS, 152 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-DESTROYED			
	JACKSONVILLE, FL		INTENDED DESTINATION			
	TYPE OF ACCIDENT		LOCAL			
	COLLISION WITH GROUND/WATER: UNCONTROLLED				PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT	
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - UNDETERMINED					
	FACTOR(S)					
	MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3674	7/21/81	NR.CHAPIN,IL	BRANTLY B-2B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 29, 1061
	TIME - 1310		N2995U	PX- 0 0 0	AERIAL APPLICATION	TOTAL HOURS, 866 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	ARENZVILLE,IL		CHAPIN,IL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT: SWATH RUN	
	HARD LANDING				LANDING: LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)					
	PERSONNEL - MAINTENANCE,SERVICING,INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION					
	POWERPLANT - LUBRICATING SYSTEM: LINES,HOSES,FITTING					
	MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY SECURED					
	MISCELLANEOUS ACTS,CONDITIONS - DISCONNECTED					
	MISCELLANEOUS ACTS,CONDITIONS - OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM					
	PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	SPECIAL DATA					
	TOTAL HOURS IN CROP CONTROL - UNKNOWN/NOT REPORTED				KIND OF OPERATION - OTHER	
	KIND OF CROP - CORN				ELEVATION-AREA BEING TREATED-FEET - 623	
	TERRAIN-TYPE -LEVEL,FLAT					
	SWATH RUN-HOW FLOWN - UNKNOWN/NOT REPORTED					
	REMARKS- OIL LINE,LYC PN 72624,SEPD AT BALL END.GROMMETS MISSING FM MID-SPAN SUPPORTS.VIB/CHAFED,MID-SPAN.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3644	8/29/81	NR.SHREVEPORT,LA	BEECH C24R	CR- 2 0 0	INSTRUCTIONAL	PRIVATE, AGE 46, 313
	TIME - 1359		N18919	PX- 0 0 0	CHECK	TOTAL HOURS, 188 IN TYPE, INSTRUMENT RATED.
			DAMAGE-DESTROYED			
	DEPARTURE POINT		INTENDED DESTINATION			
	SHREVEPORT,LA		LOCAL			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLIDED WITH: TREES				IN FLIGHT: OTHER	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE					
	CHECK PILOT - INADEQUATE SUPERVISION OF FLIGHT					
	FACTOR(S)					
	MISCELLANEOUS ACTS,CONDITIONS - SIMULATED CONDITIONS					
	REMARKS- COMMERCIAL CHECK.HIT TREES ART 150FT FRM LARGE OPEN FIELD,GEAR DOWN.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3643	10/18/81 TIME - 1855	PORTE BARRE, LA	HILLER FH1100 N9054 DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS AIR SHOW/RACING	COMMERCIAL, FL.INSTR., AGE 21, 2952 TOTAL HOURS, 379 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT BEAUMONT, TX	INTENDED DESTINATION PORTE BARRE, LA			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER: UNCONTROLLED		PHASE OF OPERATION LANDING: FINAL APPROACH LANDING: POWER-OFF AUTOROTATIVE LANDING		
PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) POWERPLANT - FUEL SYSTEM: OTHER POWERPLANT - MISCELLANEOUS: FOREIGN OBJECT DAMAGE ROTORCRAFT - FLIGHT CONTROL SYSTEMS: CYCLIC PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - WRONG PART MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED						
FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENG FOD BY ALT AIR DOOR BOLT, HYD PITCH CONTROL ACTUATOR DISCONNECTED DUE LOSS OF BOLT.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3664	10/5/81	CARRABASSETT, ME	FAIRCHILD M-62A N60542 DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 45, 315 TOTAL HOURS, 20 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - SUGERLOAF RGNL.				
		DEPARTURE POINT	INTENDED DESTINATION			
		CARRABASSETT, ME	LOCAL			
		TYPE OF ACCIDENT	PHASE OF OPERATION			
		COLLISION WITH GROUND/WATER: UNCONTROLLED	TAKEOFF: INITIAL CLIMB			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - INCAPACITATION						
MISCELLANEOUS ACTS, CONDITIONS - PILOT SUFFERED HEART ATTACK						
FACTOR(S)						
PILOT IN COMMAND - MISUSED OR FAILED TO USE FLAPS						
REMARKS- EVIDENCE OF CORONARY THROMBOSIS. FULL FLAP TKOF.						
3-3608	10/17/81	DANVERS, MA	PIPER PA-28 N2065M DAMAGE-DESTROYED	CR- 0 2 0 PX- 2 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 27, 810 TOTAL HOURS, 422 IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - BEVERLY				
		DEPARTURE POINT	INTENDED DESTINATION			
		LACONIA, NH	DANVERS, MA			
		TYPE OF ACCIDENT	PHASE OF OPERATION			
		FIRE OR EXPLOSION: IN FLIGHT	LANDING: TRAFFIC PATTERN-CIRCLING			
PROBABLE CAUSE(S)						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN						
SYSTEMS - ELECTRICAL SYSTEM: BATTERIES						
MISCELLANEOUS ACTS, CONDITIONS - GROUNDED						
AIRFRAME - FUSELAGE: SEATS						
MISCELLANEOUS ACTS, CONDITIONS - BURNED						
REMARKS- R REAR SEAT BOTTOM CTCTD POS BATTERY CABLE. FAA ISSUED EMERGENCY AD ON 11/3/81 MAKING SB631B MANDATORY.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3631	9/18/81	DETROIT,MI	MOONEY M20F	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 54, UNK/NR
	TIME - 1447		N7410V	PX- 3 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, UNK/NR IN
			DAMAGE-DESTROYED			TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DETROIT CITY						
DEPARTURE POINT		INTENDED DESTINATION				
DETROIT,MI		MACKINAC ISLAND,MI				
TYPE OF ACCIDENT				PHASE OF OPERATION		
ENGINE FAILURE OR MALFUNCTION				TAKEOFF: INITIAL CLIMB		
STALL: SPIN				TAKEOFF: INITIAL CLIMB		
PROBABLE CAUSE(S)						
POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS						
PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FACTOR(S)						
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY LOADED AIRCRAFT-WEIGHT-AND/OR C.G.						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
FIRE AFTER IMPACT						
REMARKS- OVR MAX G/WT BY 154LBS.ON PREV FLT W SAME PAX ON BOARD PLT KNEW ACFT OVR G/WT.357LB PAX IN R SEAT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3642	12/7/81	NR.LANSING,MI	CESSNA T1820	CR- 0 0 1	NONCOMMERCIAL	PRIVATE, AGE 23, 787
	TIME - 2342		N9314H	PX- 0 0 2	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 13 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-SUBSTANTIAL			
	DETROIT,MI		INTENDED DESTINATION			
	TYPE OF ACCIDENT		MUSKEGON,MI			
	AIRFRAME FAILURE: IN FLIGHT				PHASE OF OPERATION	
					IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - ATTEMPTED OPERATION W/KNOWN DEFICIENCIES IN EQUIPMENT					
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING					
	PILOT IN COMMAND - EXCEEDED DESIGNED STRESS LIMITS OF AIRCRAFT					
	FACTOR(S)					
	PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN					
	WEATHER - RAIN					
	WEATHER - FOG					
	WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC.					
	WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	BROKEN/LOWER SCATTERED				3000	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	4 MILES OR LESS				RAIN	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	FOG				38	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	310				11	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	IFR				IFR	
	REMARKS- ACFT NOT CERT FLT INTO ICG CONDS.PILOT HEAT SWITCH LCD L SIDE INST PNL."ON" PSW L SIDE OF SWITCH.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3632	6/28/81	MINNEAPOLIS,MN	ROCKWELL 680V	CR- 0 0 1	NONCOMMERCIAL	ATP, FLIGHT INSTR., AGE
	TIME - 1420		N161XX	PX- 0 1 4	CORP/EXEC	27, 3794 TOTAL HOURS, 398
			DAMAGE-SUBSTANTIAL			IN TYPE, INSTRUMENT
						RATED.
		NAME OF AIRPORT - WOLD-CHAMBERLAIN				
		DEPARTURE POINT	INTENDED DESTINATION			
		MINNEAPOLIS,MN	BISMARCK,ND			
		TYPE OF ACCIDENT		PHASE OF OPERATION		
		ENGINE FAILURE OR MALFUNCTION		IN FLIGHT: CLIMB TO CRUISE		
		PROBABLE CAUSE(S)				
		POWERPLANT - TURBINE ASSEMBLY: BEARING, SHAFT				
		MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE				
		FACTOR(S)				
		PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.				
		FIRE AFTER IMPACT				
		REMARKS- R ENG TURB BEARING & DISC FAILED.FOUND OIL SLUDGE & METAL SHAVINGS IN SCAVENGE PUMP.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3675	11/5/81 TIME - 1857	ELDON, MO	CESSNA 150M N3120V DAMAGE-DESTROYED	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 24, 79 TOTAL HOURS, 1 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - ELDON MOBEL				
		DEPARTURE POINT LEBANON, MO	INTENDED DESTINATION ELDON, MO			
		TYPE OF ACCIDENT UNDERSHOOT COLLIDED WITH: TREES	PHASE OF OPERATION LANDING: FINAL APPROACH LANDING: FINAL APPROACH			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE						
FACTOR(S) PERSONNEL - AIRPORT SUPERVISORY PERSONNEL: IMPROPER MAINTENANCE-AIRPORT FACILITIES AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES: RUNWAY LIGHTING AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES: APPROACH LIGHTING						
REMARKS- STRUCK TREES APRX 550FT FM RWY. RWY THRESHOLD DSPLCD 400FT, RWY END LGTS NOT RELCTD. VASI LGTS INOP.						
3-3601	8/2/81 TIME - 1620	NR. KALISPELL, MT	PIPER PA-28 N20776 DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 2 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 19, 59 TOTAL HOURS, 6 IN TYPE, NOT INSTRUMENT RATED.
		NAME OF AIRPORT - PRIVATE AIRSTRI				
		DEPARTURE POINT KALISPELL, MT	INTENDED DESTINATION BLACKFOOT, MT			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED	PHASE OF OPERATION IN FLIGHT: AEROBATICS			
PROBABLE CAUSE(S) PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL PILOT IN COMMAND - EXERCISED POOR JUDGMENT						
FACTOR(S) PILOT IN COMMAND - PHYSICAL IMPAIRMENT MISCELLANEOUS ACTS, CONDITIONS - UNWARRANTED LOW FLYING						
REMARKS- WITNESS STID ACFT BUZZED AREA, PULLED NOSE UP, ATMPD SPLIT-S TO L. PLT HAD ORTHOPEDIC CAST ON L LEG.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3615	9/25/81	BIG TIMBER,MT	CESSNA T210L	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 40, 3700
	TIME - 1830		N94136	PX- 0 0 0	BUSINESS	TOTAL HOURS, 500 IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT		DAMAGE-DESTROYED			
	BOISE,ID		INTENDED DESTINATION			
	TYPE OF ACCIDENT		BILLINGS,MT			
	AIRFRAME FAILURE: IN FLIGHT				PHASE OF OPERATION	
					IN FLIGHT: UNCONTROLLED DESCENT	
	PROBABLE CAUSE(S)					
	POWERPLANT - ENGINE ACCESSORIES: VACUUM PUMPS					
	MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE					
	PILOT IN COMMAND - SPATIAL DISORIENTATION					
	PILOT IN COMMAND - EXCEEDED DESIGNED STRESS LIMITS OF AIRCRAFT					
	FACTOR(S)					
	WEATHER - RAIN					
	AIRFRAME - WINGS: SPARS					
	MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE					
	MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT					
	WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	OVERCAST				1000	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER(UNLIMITED)				RAIN	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	NONE				41	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	220				14	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	IFR				IFR	
	REMARKS- VACUUM PUMP'S FLEXIBLE DRIVESHAFT COUPLING FAILED.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3657	9/20/81	CALDWELL,NJ	CESSNA 150M	CR- 0 0 1	INSTRUCTIONAL	STUDENT, AGE UNK/NR, 14
	TIME - 1100		N7614U	PX- 0 0 0	SOLO	TOTAL HOURS, ALL IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
		NAME OF AIRPORT - ESSEX COUNTY				
		DEPARTURE POINT	INTENDED DESTINATION			
		CALDWELL,NJ	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		HARD LANDING			LANDING: LEVEL OFF/TOUCHDOWN	
		GEAR COLLAPSED			LANDING: LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER LEVEL OFF				
		PILOT IN COMMAND - IMPROPER RECOVERY FROM BOUNCED LANDING				
		FACTOR(S)				
		MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE				
		REMARKS- 1ST SOLO FLT.LNDD SLGTLY FAST ON ALL 3 WHLS,BALLOONED,NOSE GEAR FAILED ON 2ND TCHDWN.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3685	9/23/81	E.RUTHERFORD,NJ	BELL 206B	CR- 2 0 0	COMMERCIAL	COMMERCIAL, FL.INSTR.,
	TIME - 0847		N27670	PX- 0 0 0	AIR TAXI-PASSG	AGE 38, 6700 TOTAL HOURS,
			DAMAGE-DESTROYED	OT- 0 1 1		1602 IN TYPE, INSTRUMENT
						RATED.
		NAME OF AIRPORT - TETERBORO				
		DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP	
		LINDEN,NJ	TETERBORO,NJ		WOODBIDGE,NJ	
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH AIRCRAFT: BOTH IN FLIGHT			LANDING: FINAL APPROACH	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT				
		PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT				
		PERSONNEL - TRAFFIC CONTROL PERSONNEL: FAILURE TO ADVISE OF OTHER TRAFFIC				
		FACTOR(S)				
		PILOT-INACCURATE POSITION REPORT				
		PERSONNEL - RULES,REGULATIONS,STANDARDS PERSONNEL				
		SPECIAL DATA				
		SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-SMALL US GEN.AV.				
		CONTROLLING AGENCY - LOCAL CONTROL				RADAR CTL/SURVEILLANCE - NOT UNDER RADAR CONTACT
		TRAFFIC ADVISORY ISSUED - NONE				CONTROLLED/UNCONTROLLED AIRPORT - CONTROLLED AIRPORT
		CONTROL ZONE/AREA - YES				HORIZONTAL COLLISION ANGLE-DEGREES - 45
		EVASIVE ACTION TAKEN - YES				
		FIRE AFTER IMPACT				
		REMARKS- CONTROLLER PREOCCUPIED W NONESSENTIAL PHONECALL.				



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3685	9/23/81 TIME - 0847	E. RUTHERFORD, NJ	PIPER PA-34 N8110R DAMAGE-DESTROYED	CR- 0 1 0 PX- 0 0 1 UT- 2 0 0	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 43, 3100 TOTAL HOURS, 50 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - TETERBORO DEPARTURE POINT INTENDED DESTINATION RUCHESTER, NY TETERBORO, NJ TYPE OF ACCIDENT PHASE OF OPERATION COLLISION WITH AIRCRAFT: BOTH IN FLIGHT LANDING: FINAL APPROACH  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT PERSONNEL - TRAFFIC CONTROL PERSONNEL: FAILURE TO ADVISE OF OTHER TRAFFIC FACTOR(S) PILOT-FAILED TO ACTIVATE MARKER BEACON RECEIVER PERSONNEL - RULES, REGULATIONS, STANDARDS PERSONNEL  SPECIAL DATA SEGMENTS OF AVIATION INVOLVED - SMALL US GEN. AV. - SMALL US GEN. AV. CONTROLLING AGENCY - LOCAL CONTROL RADAR CTL/SURVEILLANCE - NOT UNDER RADAR CONTACT TRAFFIC ADVISORY ISSUED - NONE CONTROLLED/UNCONTROLLED AIRPORT - CONTROLLED AIRPORT CONTROL ZONE/AREA - YES HORIZONTAL COLLISION ANGLE-DEGREES - 45 EVASIVE ACTION TAKEN - NO FIRE AFTER IMPACT REMARKS- TWR PSNL NOT TRAINED, QUALIFIED IN USE OF BRITE.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3676	12/31/81	NR.TRUCHAS,NM	GRUM AMER AA-5B	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, FL.INSTR.,
	TIME - UNK/NR		N81350	PX- 3 0 0	PLEASURE/PERSONAL TRANSP	AGE 28, 450 TOTAL HOURS,
			DAMAGE-DESTROYED			UNK/NR IN TYPE, INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	SANTA FE,NM	TAOS,NM				
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLIDED WITH: TREES			IN FLIGHT: NORMAL CRUISE		
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS					
	FACTOR(S)					
	WEATHER - LOW CEILING					
	WEATHER - SNOW					
	WEATHER - TURBULENCE IN FLIGHT,CLEAR AIR					
	WEATHER - HIGH DENSITY ALTITUDE					
	WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	MISSING AIRCRAFT - LATER RECOVERED					
	SKY CONDITION			CEILING AT ACCIDENT SITE		
	OVERCAST			UNKNOWN/NOT REPORTED		
	VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE		
	UNKNOWN/NOT REPORTED			SNOW SHOWERS		
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TEMPERATURE-F		
	UNKNOWN/NOT REPORTED			43		
	WIND DIRECTION-DEGREES			WIND VELOCITY-KNOTS		
	200			4		
	TYPE OF WEATHER CONDITIONS			TYPE OF FLIGHT PLAN		
	UNKNOWN/NOT REPORTED			NONE		
	FIRE AFTER IMPACT					
	REMARKS- HIT TREES IN MTN TRRN,APRX 8600FT MSL,DARK NGT.AREA FCST,MTN TOPS OBSCD.FOUND ON 4/23/82.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3621	12/31/81 TIME - 1805	OWEGO, NY	PIPER PA-23 N22P DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, AGE 59, 800 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ELMIRA, NY	INTENDED DESTINATION LAWRENCE, MA			
		TYPE OF ACCIDENT AIRFRAME FAILURE: IN FLIGHT	PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - CONTINUED FLIGHT INTO KNOWN AREAS OF SEVERE TURBULENCE						
PILOT IN COMMAND - EXCEEDED DESIGNED STRESS LIMITS OF AIRCRAFT						
FACTOR(S)						
WEATHER - TURBULENCE, ASSOCIATED W/CLOUDS AND/OR THUNDERSTORMS						
AIRFRAME - WINGS: SPARS						
MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE						
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, IN PERSON						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
SKY CONDITION OVERCAST			CEILING AT ACCIDENT SITE 3900			
VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED)			PRECIPITATION AT ACCIDENT SITE NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE			TEMPERATURE-F 30			
WIND DIRECTION-DEGREES 140			WIND VELOCITY-KNOTS 15			
TYPE OF WEATHER CONDITIONS VFR			TYPE OF FLIGHT PLAN NONE			
REMARKS- PLT GIVEN SIGMETS OF OCNL SEVERE TURBC. RPRD UPSIDE DOWN & OUT OF CTL AT APRX 9200FT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3650	5/1/81	NR.WILLISTON,ND	BELL UH-1B	CR- 1 0 0	COMMERCIAL	COMMERCIAL, AGE 34, 6070
	TIME - 1849		N46942	PX- 7 0 0	OTHER	TOTAL HOURS, 29 IN TYPE,
			DAMAGE-DESTROYED			NOT INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	WILLISTON,ND	LOCAL				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	ENGINE FAILURE OR MALFUNCTION				IN FLIGHT: NORMAL CRUISE	
	COLLISION WITH GROUND/WATER: CONTROLLED				LANDING: LEVEL OFF/TOUCHDOWN	
	PROBABLE CAUSE(S)					
	PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: DEFICIENCY,COMPANY MAINTAINED EQPMT,SERVICES,REGULATION					
	PERSONNEL - MAINTENANCE,SERVICING,INSPECTION: OTHER					
	MISCELLANEOUS ACTS,CONDITIONS - FUEL GRADE-IMPROPER					
	POWERPLANT - FUEL SYSTEM: NOZZLE,FUEL					
	MISCELLANEOUS ACTS,CONDITIONS - OBSTRUCTED					
	POWERPLANT - TURBINE ASSEMBLY: BLADE,TURBINE WHEEL					
	MISCELLANEOUS ACTS,CONDITIONS - OVERHEATED					
	FACTOR(S)					
	PERSONNEL - MAINTENANCE,SERVICING,INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION					
	PILOT IN COMMAND - EXERCISED POOR JUDGMENT					
	MISCELLANEOUS ACTS,CONDITIONS - UNWARRANTED LOW FLYING					
	COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE					
	EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND					
	FIRE AFTER IMPACT					
	REMARKS- USING UNLEADED AUTO/NO 1 DIESEL FUEL.4 NOZZLES OBSTD,SVRL TURB BLADES FAILED FM OVRHT/BLADE CREEP.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3606	6/5/51	NR.LANGDON,ND	BELLANCA 8KCB N3125R DAMAGE-DESTROYED	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS DEMONSTRATION	COMMERCIAL, FL.INSTR., AGE 42, 9920 TOTAL HOURS, 450 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT LANGDON,ND	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED		PHASE OF OPERATION IN FLIGHT: ACROBATICS		
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE,SPEED,ALTITUDE OR CLEARANCE						
REMARKS- AEROBATIC PROFICIENCY FLT WITNESSED BY FAA OPS INSP.SLOW ROLL AT 50FT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3681	10/1/81 TIME - 1502	FELT,OK	LEARJET 24 N44CJ DAMAGE-DESTROYED	CR- 2 0 0 PX- 1 0 0	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 32, 6404 TOTAL HOURS, 28 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT CASPER,WY	INTENDED DESTINATION MCALLEN,TX			
		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: UNCONTROLLED	PHASE OF OPERATION IN FLIGHT: UNCONTROLLED DESCENT			
PROBABLE CAUSE(S)						
MISC-LOSS OF CONTROL						
WEATHER - TURBULENCE IN FLIGHT,CLEAR AIR.						
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: OTHER						
FACTOR(S)						
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.						
MISCELLANEOUS ACTS,CONDITIONS - IMPROPER EMERGENCY PROCEDURES						
SKY CONDITION			CEILING AT ACCIDENT SITE			
UNKNOWN/NOT REPORTED			UNKNOWN/NOT REPORTED			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
UNKNOWN/NOT REPORTED.			UNKNOWN/NOT REPORTED			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TYPE OF WEATHER CONDITIONS			
UNKNOWN/NOT REPORTED			UNKNOWN/NOT REPORTED			
TYPE OF FLIGHT PLAN						
IFR						
REMARKS- MARG ACFT CTL.SPOILERS PROB DPLYD DRG OVERSPEED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3622	11/25/81 TIME - 1616	OSGOOD, PA	MOONEY M-20C N6407U DAMAGE-DESTROYED	CR- 2 0 0 PX- 0 0 0 OT- 2 0 0	INSTRUCTIONAL CHECK	COMMERCIAL, FL.INSTR., AGE 52, 5000 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - GREENVILLE						
DEPARTURE POINT		INTENDED DESTINATION				
GREENVILLE, PA		MEADVILLE, PA				
TYPE OF ACCIDENT				PHASE OF OPERATION		
COLLISION WITH AIRCRAFT: BOTH IN FLIGHT				IN FLIGHT: CLIMB TO CRUISE		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT						
PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - SUNGLARE						
SPECIAL DATA						
SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-SMALL US GEN.AV.						
CONTROLLING AGENCY - NO CONTROL				RADAR CTL/SURVEILLANCE - NOT UNDER RADAR CONTACT		
TRAFFIC ADVISORY ISSUED - NONE				CONTROLLED/UNCONTROLLED AIRPORT - UNCONTROLLED AIRPORT		
EVASIVE ACTION TAKEN - UNKNOWN/NOT REPORTED				ANTI-COLLISION LIGHTS - INSTALLED, OPERATION UNKNOWN		

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3622	11/25/81	OSGOOD, PA	CESSNA 150G	CR- 1 0 0	NONCOMMERCIAL	PRIVATE, AGE 50, 356
	TIME - 1616		N8521J	PX- 1 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, UNK/NR IN
			DAMAGE-DESTROYED	OT- 2 0 0		TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - GREENVILLE						
DEPARTURE POINT		INTENDED DESTINATION				
GREENVILLE, PA		LOCAL				
TYPE OF ACCIDENT				PHASE OF OPERATION		
COLLISION WITH AIRCRAFT: BOTH IN FLIGHT				IN FLIGHT: NORMAL CRUISE		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO SEE AND AVOID OTHER AIRCRAFT						
PERSONNEL - MISCELLANEOUS-PERSONNEL: PILOT OF OTHER AIRCRAFT						
SPECIAL DATA						
SEGMENTS OF AVIATION INVOLVED - SMALL US GEN.AV.-SMALL US GEN.AV.						
CONTROLLING AGENCY - NO CONTROL				RADAR CTL/SURVEILLANCE - NOT UNDER RADAR CONTACT		
TRAFFIC ADVISORY ISSUED - NONE				CONTROLLED/UNCONTROLLED AIRPORT - UNCONTROLLED AIRPORT		
EVASIVE ACTION TAKEN - UNKNOWN/NOT REPORTED						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3665	12/20/81	GREENVILLE, SC	BEECH 24R N2517W DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 1 3 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 32, 181 TOTAL HOURS, 160 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DOWNTOWN DEPARTURE POINT GREENVILLE, SC INTENDED DESTINATION LOCAL TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLISION WITH GROUND/WATER: CONTROLLED  PHASE OF OPERATION LANDING: FINAL APPROACH LANDING: LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) POWERPLANT - ENGINE CONTROLS: THROTTLE-POWER LEVER ASSEMBLIES MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE REMARKS- THROTTLE CONTROL SUPPORT BRACKET FAILED.						
3-3634	6/16/81	SIOUX FALLS, SD	CESSNA T210L N93287 DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 1 2 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 23, 880 TOTAL HOURS, 300 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - JOE FOSS FIELD DEPARTURE POINT SIOUX FALLS, SD INTENDED DESTINATION YANKTON, SD TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH: BUILDING(S)  PHASE OF OPERATION TAKEOFF: INITIAL CLIMB TAKEOFF: INITIAL CLIMB  PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM: OTHER PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. MISCELLANEOUS ACTS, CONDITIONS - IMPROPER EMERGENCY PROCEDURES COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- ENGINE FUEL SYSTEM VAPOR LOCK, GOLF COURSE LOCTD BYND DPTR END RWY, PLT ATMPD RTRN ARPT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3661	7/2/81 TIME - 1230	NR.MADISONVILLE,TX	EXCALIBUR 65-A80 N100UV DAMAGE-DESTROYED	CR- 1 0 0 PX- 2 0 0	NONCOMMERCIAL BUSINESS	COMMERCIAL, FL.INSTR., AGE 44, 398 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT HOUSTON,TX	INTENDED DESTINATION DALLAS,TX			
		TYPE OF ACCIDENT AIRFRAME FAILURE: IN FLIGHT	PHASE OF OPERATION IN FLIGHT: OTHER			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - SPATIAL DISORIENTATION						
PILOT IN COMMAND - EXCEEDED DESIGNED STRESS LIMITS OF AIRCRAFT						
FACTOR(S)						
PILOT IN COMMAND - ATTEMPTED OPERATION BEYOND EXPERIENCE/ABILITY LEVEL						
PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT						
WEATHER - THUNDERSTORM ACTIVITY						
AIRFRAME - WINGS: SPARS						
AIRFRAME - FLIGHT CONTROL SURFACES: HORIZONTAL STABILIZER, ATTACHMENTS						
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE						
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT						
WEATHER BRIEFING - SELF-HELP,PILOT CHECKED WEATHER DATA						
SKY CONDITION			CEILING AT ACCIDENT SITE			
UNKNOWN/NOT REPORTED			UNKNOWN/NOT REPORTED			
VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE			
5 OR OVER(UNLIMITED)			NONE			
OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TYPE OF WEATHER CONDITIONS			
NONE			VFR			
TYPE OF FLIGHT PLAN						
IFR						
REMARKS- OBSD FALLING FM CLDS W WINGS/HOR STABS SEPD.PLT LACKED RECENT INST EXP & MULTI-ENG INST TIME.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3616	2/28/81	NR.ESCALANTE,UT	PIPER PA-32 N4243T	CR- 1 0 0 PX- 5 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 48, 1400 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
	TIME - 1600		DAMAGE-DESTROYED			
	DEPARTURE POINT		INTENDED DESTINATION			
	PAGE,AZ		PROVO,UT			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLIDED WITH: TREES				IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING					
	MISCELLANEOUS ACTS,CONDITIONS - FLEW INTO BLIND CANYON					
	PILOT IN COMMAND - MISJUDGED DISTANCE,SPEED,ALTITUDE OR CLEARANCE					
	MISSING AIRCRAFT - LATER RECOVERED					
	FIRE AFTER IMPACT					
	REMARKS- RECOVERY DATE 3/9/81.					
3-3653	7/28/81	PRICE,UT	PIPER PA-34 N15817	CR- 1 0 0 PX- 0 0 0	MISCELLANEOUS FERRY	COMMERCIAL, AGE 23, 1500 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
	TIME - UNK/NR		DAMAGE-DESTROYED			
	NAME OF AIRPORT - CARBON COUNTY					
	DEPARTURE POINT		INTENDED DESTINATION			
	PRICE,UT		BROOMFIELD,CO			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: UNCONTROLLED				LANDING: TRAFFIC PATTERN-CIRCLING	
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - UNDETERMINED					
	MISSING AIRCRAFT - LATER RECOVERED					
	EMERGENCY CIRCUMSTANCES - UNKNOWN/NOT REPORTED					
	REMARKS- FERRY FLT,L ENG NON-TURBO OPN,AFT OTR L ENG REPAIRS FOR EXH LEAK.RTRN TO ARPT,UNKN RSN.FND 7/29/81					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3652	8/18/81	NR.ESCALANTE,UT	BELL 206B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, FL.INSTR.,
	TIME - 1515		N206LC	PX- 0 0 2	AIR TAXI-PASSG	AGE 34, 2712 TOTAL HOURS,
			DAMAGE-SUBSTANTIAL			558 IN TYPE, NOT
						INSTRUMENT RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		ESCALANTE,UT	50 MILE MOUNTAIN,UT			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: UNCONTROLLED			TAKEOFF: VERTICAL	
		PROBABLE CAUSE(S)				
		MISCELLANEOUS - UNDETERMINED				
		REMARKS- PLT STATED BGN VERT CLB AFT 2FT HVR,YAWED R,NOSE TUCKED R,CRASHED.D/A APRX 104000FT,WND GSTG 15KTS				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3603	10/29/81 NR. PROVO, UT TIME - 1926	PIPER PA-28 N2831R DAMAGE-DESTROYED INTENDED DESTINATION SALT LAKE CITY, UT	CR- 1 0 0 PX- 2 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 38, 240 TOTAL HOURS, 103 IN TYPE, NOT INSTRUMENT RATED.	
DEPARTURE POINT PROVO, UT		TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED		PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE		
PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS PILOT IN COMMAND - BECAME LOST/DISORIENTED						
FACTOR(S) PILOT IN COMMAND - PHYSICAL IMPAIRMENT WEATHER - LOW CEILING WEATHER - SNOW						
SKY CONDITION PARTIAL OBSCURATION		CEILING AT ACCIDENT SITE 800		PRECIPITATION AT ACCIDENT SITE SNOW		
VISIBILITY AT ACCIDENT SITE 2 MILES OR LESS		OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE		TEMPERATURE-F 31		
TYPE OF WEATHER CONDITIONS IFR		FIRE AFTER IMPACT		TYPE OF FLIGHT PLAN NONE		
REMARKS- TOXICOLOGY REPORT REVEALED COCAINE AND AMYL-NITRATE IN BLOOD.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3651	11/28/81	NR.CEDAR CITY,UT	BEECH 95	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 33, 3858
	TIME - 1835		N1506R	PX- 3 0 0	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 14 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
		NAME OF AIRPORT - CEDAR CITY MUNI				
		DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP	
		LANDER,WY	LAS VEGAS,NV		CEDAR CITY,UT	
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: MISSED APPROACH	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER IFR OPERATION				
		FACTOR(S)				
		WEATHER - SNOW				
		WEATHER - HIGH DENSITY ALTITUDE				
		WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY RADIO				
		WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		OBSCURATION			1100	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		2 MILES OR LESS			SNOW	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			WIND DIRECTION-DEGREES	
		BLOWING SNOW			220	
		WIND VELOCITY-KNOTS			TYPE OF WEATHER CONDITIONS	
		4			IFR	
		TYPE OF FLIGHT PLAN				
		IFR				
		REMARKS- STRUCK SIDE OF MTN AT APRX 6400FT LVL AFT INITIATING MISSED APCH.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3666	11/19/81	NR.MATHEWS,VA	PIPER ADVCD PAT-1	CR- 3 0 0	MISCELLANEOUS	COMMERCIAL, AGE 32, 1083
	TIME - 1100		N15PT	PX- 0 0 0	DEMONSTRATION	TOTAL HOURS, 69 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	LANGLEY AFB,VA	LOCAL				
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLISION WITH GROUND/WATER: UNCONTROLLED			IN FLIGHT: UNCONTROLLED DESCENT		
REMARKS- CANARD EQUIPPED COMPOSITE PROTOTYPE.BEING DEMONSTRATED FOR NASA.						
3-3663	1/20/81	SPOKANE,WA	BEECH 99A	CR- 2 0 0	COMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1127		N390CA	PX- 5 2 0	COMMUTER AIR CARRIER	36, 11680 TOTAL HOURS,
			DAMAGE-DESTROYED		AIR TAXI-PASSG S-D	7000 IN TYPE, INSTRUMENT
	NAME OF AIRPORT - SPOKANE INTL					RATED.
	DEPARTURE POINT	INTENDED DESTINATION		LAST ENROUTE STOP		
	SEATTLE,WA	SPOKANE,WA		MOSES LAKE,WA		
	TYPE OF ACCIDENT			PHASE OF OPERATION		
	COLLISION WITH GROUND/WATER: CONTROLLED			LANDING: FINAL APPROACH		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - IMPROPER IFR OPERATION						
MISCELLANEOUS ACTS,CONDITIONS - INSTRUMENTS-MISREAD OR FAILED TO READ						
FACTOR(S)						
PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES,DIRECTIVES,ETC.						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN						
INSTRUMENTS/EQUIPMENT AND ACCESSORIES - COMMUNICATIONS AND NAVIGATION EQUIPMENT: DME						
FIRE AFTER IMPACT						
REMARKS- DSND BLO MDA NR FAF/DME,4.5MI FM RWY.DME FOR ILS APCH LCDT NR MAP.NO FREQ DSPLAY ON DME MODE SEL.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3602	7/11/81 TIME - 1900	TEN SLEEP,WY	PIPER PA-16 N6852K DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	COMMERCIAL, FL.INSTR., AGE 66, 3600 TOTAL HOURS, UNK/NR IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT COWLEY,WY	INTENDED DESTINATION TORRINGTON,WY			
		TYPE OF ACCIDENT STALL: SPIN	PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE			
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED						
FACTOR(S) PILOT IN COMMAND - PSYCHOLOGICAL CONDITION PILOT IN COMMAND - PHYSICAL IMPAIRMENT MISCELLANEOUS ACTS,CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT						
MISSING AIRCRAFT - LATER RECOVERED						
REMARKS- DPTD AFT ARGUMENT W CAP OFFICIALS,CORONARY ARTERY 70-80% OCCLUDED,BLOOD ALC 0.044%.RCVRD 7/18/81.						
3-3609	8/12/81 TIME - 0744	NR.ALPIE,WY	AEROSPATIAL 316B N607RA DAMAGE-SUBSTANTIAL	CR- 1 0 0 PX- 0 1 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 41, 2946 TOTAL HOURS, 241 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT ALPIE,WY	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ROLL OVER	PHASE OF OPERATION LANDING: POWER-ON LANDING			
PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN						
REMARKS- SEISMOGRAPHIC ACTIVITY SUPPORT FLT.TOE IN MANEUVER ON TOP OF MOUNTAIN PEAK.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3617	8/20/81	NR.ALPINE,WY	BELL 206-B3	CR- 0 1 0	COMMERCIAL	COMMERCIAL, AGE 36, 6000
	TIME - 0850		N39088	PX- 0 4 0	AIR TAXI-PASSG	TOTAL HOURS, 600 IN TYPE,
			DAMAGE-DESTROYED			INSTRUMENT RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	ALPINE,WY	LOCAL				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: CONTROLLED				LANDING: POWER-ON LANDING	
	PROBABLE CAUSE(S)					
	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING					
	REMARKS- APP MADE W 4PAX ONBOARD AND 40GAL FUEL,WIND CALM.PLT STATED CONT PULL IN PWR AFT ACFT FELL THROUGH					
3-3668	11/5/81	SARATOGA,WY	MITSUBISHI MU-2B	CR- 1 0 0	NONCOMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1730		N53AD	PX- 1 0 0	CORP/EXEC	48, 16600 TOTAL HOURS,
			DAMAGE-DESTROYED			5000 IN TYPE, INSTRUMENT
	NAME OF AIRPORT - SHIVELY					RATED.
	DEPARTURE POINT	INTENDED DESTINATION				
	SARATOGA,WY	ALBUQUERQUE,NM				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: UNCONTROLLED				TAKEOFF: INITIAL CLIMB	
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - UNDETERMINED					
	FIKE AFTER IMPACT					
	REMARKS- SHORTLY AFTER TKOF,ACFT CRASHED IN R DSNDG TURN.D/A APRX 6900FT.NO PRE-ACDNT MALF OR FAILURE FND.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3635	11/20/81	NR.COKEVILLE,WY	AEROSPATIAL SA316B	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 35, 6020
	TIME - 0730		N4261E	PX- 0 0 5	AIR TAXI-PASSG	TOTAL HOURS, 505 IN TYPE,
			DAMAGE-SUBSTANTIAL			NOT INSTRUMENT RATED.
	DEPARTURE POINT	COKEVILLE,WY	INTENDED DESTINATION			
	TYPE OF ACCIDENT	HARD LANDING			PHASE OF OPERATION	
					LANDING: POWER-ON LANDING	
	PROBABLE CAUSE(S)	PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
	FACTOR(S)	MISCELLANEOUS ACTS,CONDITIONS - DOWNWIND				
		WEATHER - HIGH DENSITY ALTITUDE				
	SKY CONDITION	CLEAR				
	VISIBILITY AT ACCIDENT SITE	5 OR OVER(UNLIMITED)				
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE	NONE				
	WIND DIRECTION-DEGREES	270				
	TYPE OF WEATHER CONDITIONS	VFR				
	REMARKS-	WIND GUSTS TO 20 KTS.D/A APPROX 9500FT.PLT STTD APP FAST,APPROX 50-100FT UP LIFT DISAPPEARED.				
					CEILING AT ACCIDENT SITE	
					UNLIMITED	
					PRECIPITATION AT ACCIDENT SITE	
					NONE	
					TEMPERATURE-F	
					25	
					WIND VELOCITY-KNOTS	
					15	
					TYPE OF FLIGHT PLAN	
					OTHER	

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3673	9/2/81	MISSING AIRCRAFT	CESSNA 180H	CR- 1 0 0	MISCELLANEOUS	PRIVATE, AGE 54, 460
	TIME - UNK/NR		N3498Y	PX- 3 0 0	SEARCH AND RESCUE	TOTAL HOURS, 7 IN TYPE,
			DAMAGE-DESTROYED			NOT INSTRUMENT RATED.
	DEPARTURE POINT		INTENDED DESTINATION			
	YAKUTAT, AK		SITKA, AK			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	MISSING AIRCRAFT, NOT RECOVERED				UNKNOWN/NOT REPORTED	
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - UNDETERMINED					
	REMARKS- FLOAT EQUIPPED. DMG & INJURY INDEX PRESUMED.					
3-3672	10/22/81	MISSING AIRCRAFT	CESSNA 170B	CR- 1 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 31,
	TIME - UNK/NR		N4640C	PX- 0 0 0	PLEASURE/PERSONAL TRANSP	UNK/NR TOTAL HOURS,
			DAMAGE-DESTROYED			UNK/NR IN TYPE,
	DEPARTURE POINT		INTENDED DESTINATION			INSTRUMENT RATED.
	ANCHORAGE, AK		MCGRATH, AK			
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	MISSING AIRCRAFT, NOT RECOVERED				UNKNOWN/NOT REPORTED	
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - UNDETERMINED					
	REMARKS- DAMAGE AND INJURY INDEX PRESUMED. LOW CIG & ICG CONDS ALONG PLANNED ROUTE OF FLT.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
3-3633	12/3/81	GULF OF MEXICO	BELL 206B	CR- 0 0 1	COMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1430		N5006Y	PX- 0 0 1	AIR TAXI-PASSG	34, 6056 TOTAL HOURS, 131
			DAMAGE-SUBSTANTIAL			IN TYPE, INSTRUMENT
						RATED.
		NAME OF AIRPORT - VERMILLION 245A				
		DEPARTURE POINT	INTENDED DESTINATION			
		GULF OF MEXICO	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			TAKEOFF: VERTICAL	
		HARD LANDING			TAKEOFF: ABORTED	
		PROBABLE CAUSE(S)				
		POWERPLANT - COMPRESSOR ASSEMBLY: DISC, COMPRESSOR ROTOR				
		MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE				
		MISCELLANEOUS - EVASIVE MANEUVER TO AVOID COLLISION				
		FACTOR(S)				
		MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER				
		REMARKS- 6TH STAGE COMP WHL, P/N 6871296 S/N BU10118, FATIGUED. PLT HAD TO EXTEND GLIDE OVER OBST ON RIG.				

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20594

BRIEFS OF INCIDENTS

U. S. GENERAL AVIATION

SUPPLEMENTAL ISSUE

1981

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0001	4/28/81 TIME - 1130	PORT HEIDEN, AK	PIPER PA-31 N6CC DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	ATP, FLIGHT INSTR., AGE 40, 5250 TOTAL HOURS, 56 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - PORT HEIDEN</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>SAND POINT, AK PORT HEIDEN, AK</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>COLLIDED WITH: DITCHES LANDING: ROLL</p> <p>GEAR COLLAPSED LANDING: ROLL</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - CONTINUED VFR FLIGHT INTO ADVERSE WEATHER CONDITIONS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA</p> <p>FACTOR(S)</p> <p>WEATHER - LOW CEILING</p> <p>WEATHER - FOG</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: OTHER</p> <p>WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE</p> <p>WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE</p> <p>OBSCURATION 200</p> <p>VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE</p> <p>1 MILE OR LESS DRIZZLE</p> <p>OBSTRUCTIONS TO VISION AT ACCIDENT SITE TYPE OF WEATHER CONDITIONS</p> <p>FOG IFR</p> <p>TYPE OF FLIGHT PLAN</p> <p>OTHER</p> <p>REMARKS- LNDD IN CLRD AREA BESIDE RWY. COMPANY FLT PLN.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0002	3/24/81 TIME - 1730	PRESCOTT, AZ	GRUMMAN AA-5B N42ER DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL TRAINING	STUDENT, AGE 19, 24 TOTAL HOURS, 16 IN TYPE, NOT INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - LOVE FIELD DEPARTURE POINT INTENDED DESTINATION PRESCOTT, AZ LOCAL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH: PARKED AIRCRAFT TAXI: TO TAKEOFF  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS REMARKS- PA-44, N202ER, SUBSTANTIALLY DMG.						
5-0003	4/20/81 TIME - 1700	ST. ANSGAR, IA	PIPER PA-32 N3370W DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, AGE 30, 1557 TOTAL HOURS, 48 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT INTENDED DESTINATION DES MOINES, IA CHESTER, MN TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT: NORMAL CRUISE  PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - ENGINE STRUCTURE: CYLINDER ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - UNDER TORQUED COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- NO 2 CYL ATCHMNT BOLTS/STUDS FAILED. NO 2 CYL ATCHMNT FLANGE AREA CHAFED.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0004	2/3/81 TIME - 1100	AMBLER,AK	DEHAVILLAND DHC-6 N305EH DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 2	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 31, 6147 TOTAL HOURS, 1807 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - AMBLER</p> <p>DEPARTURE POINT                      INTENDED DESTINATION                      LAST ENROUTE STOP</p> <p>KOTZEBUE,AK                      RETURN                      SHUNGNAG,AK</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>GROUND-WATER LOOP-SWERVE                      TAKEOFF: RUN</p> <p>GEAR COLLAPSED                      TAKEOFF: ABORTED</p> <p>PROBABLE CAUSE(S)</p> <p>PERSONNEL - AIRPORT SUPERVISORY PERSONNEL: IMPROPER/INADEQUATE SNOW REMOVAL</p> <p>PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN</p> <p>FACTOR(S)</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW ON RUNWAY</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW WINDROWS</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: UNMARKED OBSTRUCTIONS</p> <p>WEATHER - LOW CEILING</p> <p>WEATHER - SNOW</p> <p>MISCELLANEOUS ACTS,CONDITIONS - WHITEOUT</p> <p>WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY RADIO</p> <p>WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT</p> <p>SKY CONDITION                      CEILING AT ACCIDENT SITE</p> <p>OBSCURATION                      300</p> <p>VISIBILITY AT ACCIDENT SITE                      PRECIPITATION AT ACCIDENT SITE</p> <p>5 OR OVER(UNLIMITED)                      SNOW</p> <p>OBSTRUCTIONS TO VISION AT ACCIDENT SITE                      RELATIVE BEARING OF WIND</p> <p>NONE                      RIGHT QUARTERING HEAD WIND 023-067 DEGREES</p> <p>TEMPERATURE-F                      WIND DIRECTION-DEGREES</p> <p>0                      45</p> <p>WIND VELOCITY-KNOTS                      TYPE OF WEATHER CONDITIONS</p> <p>3                      IFR</p> <p>TYPE OF FLIGHT PLAN</p> <p>VFR</p> <p>REMARKS- SNW CLRD UNEVENLY FM CTRLN OF RWY/MARKERS.UN SEE SNW.BERM,8 IN FRESH SNW,FLAT LGT CONDS.MAIL FLT.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0005	1/26/81 TIME - 1000	JACKSON, TN	CESSNA 414 N1678T DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, AGE 47, 10500 TOTAL HOURS, 144 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - MCKELLER DEPARTURE POINT JACKSON, TN INTENDED DESTINATION HOMBOLDT, TN TYPE OF ACCIDENT FIRE OR EXPLOSION: IN FLIGHT PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - EXHAUST SYSTEM: MANIFOLDS MISCELLANEOUS ACTS, CONDITIONS - IMPROPERLY INSTALLED MISCELLANEOUS ACTS, CONDITIONS - LEAK/LEAKAGE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE REMARKS- 1ST FLT AFTER INSTLN OF REMANUFACTURED R ENG. EXHAUST LEAK ON LWR L SIDE OF ENG. 2 TYPES, LOCK NUTS.						
5-0007	1/23/81 TIME - 0717	ALBUQUERQUE, NM	BEECH E18S N432U DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-D	ATP, FLIGHT INSTR., AGE 42, 10000 TOTAL HOURS, 150 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - ALBUQUERQUE INTL DEPARTURE POINT DENVER, CO INTENDED DESTINATION ALBUQUERQUE, NM TYPE OF ACCIDENT GEAR RETRACTED PHASE OF OPERATION LANDING: ROLL PROBABLE CAUSE(S) COPILOT - INADVERTENTLY RETRACTED GEAR PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT						



FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
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LANDING: LEVEL OFF/TOUCHDOWN

REMARKS- PLT RPTD L PROP LOCKED UP.1ST OFFICER ACTIVATED POSITIVE GEAR LOCK BFR GEAR REACHED OVRCTR PSN.

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0009	1/15/81 TIME - 1310	COATESVILLE, PA	PIPER PA-32 N2147N DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 47, 5998 TOTAL HOURS, 1320 IN TYPE, INSTRUMENT RATED.

CLASSIFIED AS INCIDENT  
 NAME OF AIRPORT - CHESTER COUNTY  
 DEPARTURE POINT SARANAC, NY INTENDED DESTINATION COATESVILLE, PA  
 TYPE OF ACCIDENT  
 COLLIDED WITH: SNOWBANK  
 GEAR COLLAPSED

PHASE OF OPERATION  
 LANDING: LEVEL OFF/TOUCHDOWN  
 LANDING: ROLL

PROBABLE CAUSE(S)  
 PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN  
 MISCELLANEOUS ACTS, CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA  
 PILOT IN COMMAND - FAILED TO INITIATE GO-AROUND

FACTOR(S)  
 AIRPORTS/AIRWAYS/FACILITIES - AIRPORT FACILITIES: RUNWAY LIGHTING  
 AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW ON RUNWAY  
 AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW ON RAMP/TAXIWAY  
 AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW WINDROWS

REMARKS- L RWY IDENT STROBE INOP, FINAL APCH ALIGNED TO R OF R STROBE. SIDE STEP BFR TD. HIT SNWBK BESIDE RWY

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0010	3/5/81 TIME - 1208	EAST ALTON, IL	DOUGLAS DC-6A N44DG DAMAGE-MINOR	CR- 0 0 3 PX- 0 0 0	MISCELLANEOUS FERRY	AIRLINE TRANSPORT, AGE 34, 7000 TOTAL HOURS, 4000 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT INTENDED DESTINATION YPSILANTI, MI ROSWELL, NM</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT: NORMAL CRUISE FIRE OR EXPLOSION: IN FLIGHT IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S) POWERPLANT - MISCELLANEOUS: POWERPLANT FAILURE FOR UNDETERMINED REASONS</p> <p>FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.  REMARKS- DSNDG THRU 7500FT, FIRE BGN AFT ENG BACKFIRED.</p>						
5-0011	4/16/81 TIME - 2054	CHICAGO, IL	BEECH G18S N723T DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-D	COMMERCIAL, AGE 36, 5663 TOTAL HOURS, 846 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - O'HARE INTL DEPARTURE POINT INTENDED DESTINATION DANVILLE, IL JANESVILLE, WI</p> <p>TYPE OF ACCIDENT LAST ENROUTE STOP WHEELS-UP CHICAGO, IL PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO ASSURE THE GEAR WAS DOWN AND LOCKED</p> <p>FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - CIRCUIT BREAKER POPPED</p> <p>REMARKS- LANDING GEAR CKT BRKR FOUND POPPED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0012	3/27/81	NR,ST THOMAS,VI	DEHAVILLAND DH-114	CR- 0 0 2	COMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1210		N583PR	PX- 0 0 16	COMMUTER AIR CARRIER	26, 6672 TOTAL HOURS,
			DAMAGE-MINOR		AIR TAXI-PASSG S-D	5629 IN TYPE, INSTRUMENT
						RATED.
CLASSIFIED AS INCIDENT						
DEPARTURE POINT		INTENDED DESTINATION				
SAN JUAN,PR		ST THOMAS,VI				
TYPE OF ACCIDENT		PHASE OF OPERATION				
PROPELLER/ROTOR FAILURE: PROPELLER		IN FLIGHT: NORMAL CRUISE				
PROBABLE CAUSE(S)						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: SUBSTANDARD QUALITY CONTROL						
POWERPLANT - PROPELLER AND ACCESSORIES: BLADE RETENTION MECHANISM						
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE						
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT						
REMARKS- AN-282 BOLT SEPD FM HARTZELL EHC-A3VF-2B/7336N PROP BLADE CLAMP,HIT PAX.BOLT NOT COLD ROLLED.						
5-0013	4/7/81	MORGAN CITY,LA	SIKORSKY S-76A	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 42, 5692
	TIME - 0810		N1546Z	PX- 0 0 12	AIR TAXI-PASSG	TOTAL HOURS, 221 IN TYPE,
			DAMAGE-MINOR			INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
DEPARTURE POINT		INTENDED DESTINATION				
PATTERSON,LA		GULF OF MEXICO				
TYPE OF ACCIDENT		PHASE OF OPERATION				
PROPELLER/ROTOR FAILURE: MAIN ROTOR		IN FLIGHT: NORMAL CRUISE				
PROBABLE CAUSE(S)						
PERSONNEL - MAINTENANCE,SERVICING,INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION						
ROTORCRAFT - ROTOR ASSEMBLIES: MAIN ROTOR BLADES						
MISCELLANEOUS ACTS,CONDITIONS - IMPROPERLY INSTALLED						
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - SEPARATION IN FLIGHT						
REMARKS- TIP PLATE ATCH BOLTS,NAS 624-H6,FAILED.PRIMER/METAL FILED FM TIP BLK,RESIN ADDED,OUT-OF-FLAT COND.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0014	1/21/81 TIME - 1357	CHANTILLY, VA	AVIONS MRCL FALCON N85162 DAMAGE-NONE	CR- 0 0 2 PX- 0 0 9	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE UNK/NR, 11000 TOTAL HOURS, 100 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT                      INTENDED DESTINATION WASHINGTON, DC                      CINCINNATI, OH</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION                      IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY: IMPELLER MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT REMARKS- AIRESEARCH TFE 731-3 HP IMPELLER FAILED FM HI CYCLE FATIGUE.</p>						
5-0015	4/9/81 TIME - 0800	LAKE CHARLES, LA	BELL 222 N38929 DAMAGE-NONE	CR- 0 0 3 PX- 0 0 0	MISCELLANEOUS TEST	AIRLINE TRANSPORT, AGE 31, 6764 TOTAL HOURS, 200 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - LAKE CHARLES MUNI</p> <p>DEPARTURE POINT                      INTENDED DESTINATION LAKE CHARLES, LA                      LOCAL</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION PROPELLER/ROTOR FAILURE: TAIL ROTOR                      STATIC: IDLING ROTORS</p> <p>PROBABLE CAUSE(S) PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: INCORRECT FACTORY INSTALLATION ROTORCRAFT - TRANSMISSION ROTOR DRIVE SYSTEM: TAIL ROTOR DRIVE SHAFT ASSEMBLY ROTORCRAFT - ROTOR ASSEMBLIES: BEARINGS MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE REMARKS- TAIL ROTOR DRIVE SHAFT BRG, PN 222-044-003-103, FAILED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0016	2/13/81 TIME - 1352	INDIANAPOLIS, IN	SWEARINGEN SA226 N325BA DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 5	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 51, 19375 TOTAL HOURS, 2100 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - INDIANAPOLIS INTL</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>EVANSVILLE, IN                      INDIANAPOLIS, IN</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>WHEELS-UP                              LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - FAILED TO ASSURE THE GEAR WAS DOWN AND LOCKED</p> <p>FACTOR(S)</p> <p>AIRFRAME - LANDING GEAR: OTHER</p> <p>REMARKS- GEAR FAILED TO EXTEND FOR UNKNOWN REASON.</p>						
5-0017	4/21/81 TIME - 1158	CAHOKIA, IL	HUGHES 369HS N9083F DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PRACTICE	STUDENT, AGE 31, 202 TOTAL HOURS, 172 IN TYPE, NOT INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - BI-STATE</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>CAHOKIA, IL                              LOCAL</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>FIRE OR EXPLOSION: IN FLIGHT                      TAXI: AERIAL TAXI TO TAKEOFF</p> <p>PROBABLE CAUSE(S)</p> <p>POWERPLANT - LUBRICATING SYSTEM: FILTER, OIL</p> <p>MISCELLANEOUS ACTS, CONDITIONS - STRIPPED</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>REMARKS- STUDENT, AN150526, HOLDING CAP TO OIL FILTER FAILED. OIL LEAKED ONTO LEFT EXHAUST STACK.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0018	3/26/81 TIME - 0330	MIDLAND, TX	DOUGLAS DC3A N101CA DAMAGE-NONE	CR- 0 0 3 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-D	ATP, FLIGHT INSTR., AGE 40, 3666 TOTAL HOURS, 558 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - MIDLAND AIRPARK</p> <p>DEPARTURE POINT INTENDED DESTINATION MIDLAND, TX LUBBOCK, TX</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION TAKEOFF: INITIAL CLIMB</p> <p>PROBABLE CAUSE(S)</p> <p>POWERPLANT - ENGINE STRUCTURE: MASTER AND CONNECTING RODS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE</p> <p>EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT</p> <p>REMARKS- MECHANIC RPRTD MASTER ROD BEARING FAILED.</p>						
5-0019	3/25/81 TIME - 2020	NR. LAFAYETTE, LA	EMBRAER 110P1 N691RA DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 6	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 31, 5258 TOTAL HOURS, 33 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT INTENDED DESTINATION LAFAYETTE, LA NEW ORLEANS, LA</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION BIRD STRIKE IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>MISCELLANEOUS - BIRD COLLISION</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0020	6/16/81 TIME - 1504	NEWARK,NJ	PIPER PA-34 N7678C DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-CARGO	AIRLINE TRANSPORT, AGE 65, 20000 TOTAL HOURS, 100 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - NEWARK INTL DEPARTURE POINT READING,PA INTENDED DESTINATION NEWARK,NJ TYPE OF ACCIDENT WHEELS-UP PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO EXTEND LANDING GEAR						
5-0021	6/15/81 TIME - 0125	JAMAICA,NY	CESSNA 402B N8505K DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-I	AIRLINE TRANSPORT, AGE 27, 2900 TOTAL HOURS, 100 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - JF KENNEDY INTL DEPARTURE POINT JAMAICA,NY INTENDED DESTINATION TORONTO,CANADA TYPE OF ACCIDENT COLLIDED WITH: RUNWAY OR APPROACH LIGHTS PHASE OF OPERATION TAKEOFF: RUN PROBABLE CAUSE(S) PILOT IN COMMAND - DIVERTED ATTENTION FROM OPERATION OF AIRCRAFT MISCELLANEOUS ACTS,CONDITIONS - NOT ALIGNED WITH RUNWAY/INTENDED LANDING AREA REMARKS- INADVERTENTLY LINED UP W LGTS ON R SIDE OF RWY INSTEAD OF CTRLN LGTS WHILE COPYING CLNC.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0022	4/22/81 , TIME - 0815	GULF OF MEXICO	BELL 206B N2757C DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 34, 2686 TOTAL HOURS, 668 IN TYPE, NOT INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT INTENDED DESTINATION SABINE PASS,TX GULF OF MEXICO TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION IN FLIGHT: NORMAL CRUISE  PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY: BLADE,COMPRESSOR ROTOR MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - CORRODED/CORROSION MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- 3RD STAGE COMPRESSOR BLADE FAILED,FATIGUE ORIGINATE IN CORRODED AREA ON LEADING EDGE OF BLADE.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0023	6/9/81 TIME - 1150	RUIDOSO,NM	AEROSPATIAL SE3160 N605RA DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 57, 14000 TOTAL HOURS, 700 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - RUIDOSO MUNI DEPARTURE POINT RUIDOSO,NM INTENDED DESTINATION ALBUQUERQUE,NM TYPE OF ACCIDENT NOSE OVER/DOWN PHASE OF OPERATION TAXI: AERIAL TAXI TO TAKEOFF  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) WEATHER - DOWNDRAFT,UPDRAFTS WEATHER - HIGH DENSITY ALTITUDE  SKY CONDITION CLEAR CEILING AT ACCIDENT SITE UNLIMITED VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) PRECIPITATION AT ACCIDENT SITE NONE OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE TEMPERATURE-F 87 WIND DIRECTION-DEGREES 270 WIND VELOCITY-KNOTS 10 TYPE OF WEATHER CONDITIONS VFR TYPE OF FLIGHT PLAN NONE REMARKS- TOUCHED DOWN W BRAKES ON.TAIL BOOM RAISED UP IN PATH OF MAIN ROTOR BLADES.D/A APRX 10000FT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0024	6/14/81	NR. CLARKSBURG, WV	GRUM AMER AA-5A	CR- 0 0 1	NONCOMMERCIAL	PRIVATE, AGE 30, 443
	TIME - 0900		N26314	PX- 0 0 1	PLEASURE/PERSONAL TRANSP	TOTAL HOURS, 281 IN TYPE, INSTRUMENT RATED.
	CLASSIFIED AS INCIDENT		DAMAGE-NONE			
	DEPARTURE POINT	INTENDED DESTINATION				
	AKRON, OH	RALEIGH, NC				
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	MISCELLANEOUS				IN FLIGHT: NORMAL CRUISE	
	PROBABLE CAUSE(S)					
	PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: POOR/INADEQUATE DESIGN					
	AIRFRAME - FLIGHT CONTROL SURFACES: AILERON SURFACES, ATTACHMENTS					
	MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE					
	FACTOR(S)					
	WEATHER - RAIN					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	OVERCAST				700	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	1 MILE OR LESS				RAIN	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TYPE OF WEATHER CONDITIONS	
	FOG				IFR	
	TYPE OF FLIGHT PLAN					
	IFR					
	REMARKS- AILERON OSCILLATION ENCTRD WHILE FLYING IN RAIN.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0025	1/23/81 TIME - 1745	KENAI, AK	VOLPAR H18 N800WA DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 34, 6000 TOTAL HOURS, 925 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - KENAI</p> <p>DEPARTURE POINT KENAI, AK INTENDED DESTINATION ANAKTUVUK PASS, AK</p> <p>TYPE OF ACCIDENT GEAR COLLAPSED PHASE OF OPERATION TAKEOFF: RUN</p> <p>PROBABLE CAUSE(S)</p> <p>AIRFRAME - LANDING GEAR: MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC.</p> <p>MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE</p> <p>MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE</p> <p>REMARKS- LNDG GEAR WALKING BEAM, VOLPAR PN 207, FAILED.</p>						
5-0026	6/27/81 TIME - 1711	PORT ARTHUR, TX	AEROSPATIAL AS350 N138BH DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	AIRLINE TRANSPORT, AGE 35, 6500 TOTAL HOURS, 310 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT GULF OF MEXICO INTENDED DESTINATION BEAUMONT, TX</p> <p>TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE: TAIL ROTOR PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>ROTORCRAFT - FLIGHT CONTROL SYSTEMS: TAIL ROTOR PITCH CONTROL SYSTEM</p> <p>MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE</p> <p>REMARKS- TAIL ROTOR PITCH HORN, P/N350-12-1368, FAILED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0027	3/23/81 TIME - 1215	MCALLEN, TX	CESSNA 310 N548H DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 60, UNK/NR TOTAL HOURS, 2000 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - MILLER INTL</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>ROBSTOWN, TX MCALLEN, TX</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>GEAR COLLAPSED LANDING: ROLL</p> <p>PROBABLE CAUSE(S)</p> <p>AIRFRAME - LANDING GEAR: MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC.</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>REMARKS- RIVETS ON R-MAIN ATTACH SUPPORT FAILED.</p>						
5-0028	6/22/81 TIME - 1058	MIAMI, FL	PIPER PA-23 N412ER DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 30, 2042 TOTAL HOURS, 74 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - MIAMI INTL</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>MIAMI, FL TAMPA, FL</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>GEAR RETRACTED TAKEOFF: RUN</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - INADVERTENTLY RETRACTED GEAR</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0029	7/1/81 TIME - 0545	ST. LOUIS, MO	DOUGLAS DC-6B N8CA DAMAGE-MINOR	CR- 0 0 3 PX- 0 0 0	COMMERCIAL OTHER	AIRLINE TRANSPORT, AGE 56, 17792 TOTAL HOURS, 1204 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
NAME OF AIRPORT - LAMBERT						
DEPARTURE POINT INTENDED DESTINATION						
MINNEAPOLIS, MN ST. LOUIS, MO						
TYPE OF ACCIDENT						
COLLIDED WITH: OBJECT						
PHASE OF OPERATION						
LANDING: ROLL						
PROBABLE CAUSE(S)						
SYSTEMS - HYDRAULIC SYSTEM: RESERVOIR, LINES, FITTINGS						
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
MISCELLANEOUS ACTS, CONDITIONS - HYDRAULIC FAILURE						
FACTOR(S)						
AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: OTHER						
REMARKS- AL HYD LN, 539-1101-8-2700, FAILED. LOST BRAKES/NOSE WHL STEERING. NOSE WHL HIT BARRIER ABUTMENT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0030	4/11/81	NR.CHICAGO,IL	N AMERICAN 265-65 N651GL DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 2	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 39, 7150 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT                      INTENDED DESTINATION WHEELING,IL                      MONROE,LA</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION                      IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S) POWERPLANT - COMPRESSOR ASSEMBLY: BEARING,ROTOR SHAFT MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT PROP/ENGINE VIBRATION</p> <p>REMARKS- RT ENG #5 BEARING FAILED DUE FATIGUE IN OUTER RACEWAY SURFACE.</p>						
5-0031	6/12/81	YUKON,OK	CESSNA 180K N2841K DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	ATP,FLIGHT INSTR., AGE 34, 4302 TOTAL HOURS, 78 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - CLARENCE E PAGE</p> <p>DEPARTURE POINT                      INTENDED DESTINATION OKLAHOMA CITY,OK                      LOCAL</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION NOSE OVER/DOWN                      LANDING: ROLL</p> <p>PROBABLE CAUSE(S) DUAL STUDENT - IMPROPER OPERATION OF BRAKES AND/OR FLIGHT CONTROLS PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT</p> <p>REMARKS- 90 INCH PROP STRUCK RWY DRG WHL LNDG.82 INCH PROP NORMAL WHEN WHL EQUIPPED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0032	1/16/81 TIME - 0300	BATTLE CREEK, MI	NORTH AMER 265-80 N62 DAMAGE-MINOR	CR- 0 0 3 PX- 0 0 0	MISCELLANEOUS OTHER	ATP, FLIGHT INSTR., AGE 60, 10340 TOTAL HOURS, 2136 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - KELLOGG REGIONAL</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>BATTLE CREEK, MI LOCAL</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>GROUND-WATER LOOP-SWERVE LANDING: ROLL</p> <p>COLLIDED WITH: RUNWAY OR APPROACH LIGHTS LANDING: ROLL</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - IMPROPER COMPENSATION FOR WIND CONDITIONS</p> <p>FACTOR(S)</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW ON RUNWAY</p> <p>MISCELLANEOUS ACTS, CONDITIONS - THRUST REVERSAL-ASYMETRICAL</p> <p>WEATHER - UNFAVORABLE WIND CONDITIONS</p> <p>WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE</p> <p>WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE</p> <p>OBSCURATION 500</p> <p>VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE</p> <p>3/4 MILE OR LESS SNOW</p> <p>OBSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND</p> <p>NONE LEFT CROSS WIND 248-292 DEGREES</p> <p>WIND DIRECTION-DEGREES WIND VELOCITY-KNOTS</p> <p>310 9</p> <p>TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN</p> <p>IFR IFR</p> <p>REMARKS- FAA FLIGHT CHECK, PLTS RPTD L THRUST RVSR FAILED TO DEPLOY DRG LDG. GND CHECKED &amp; OPERATED OK.</p>						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0033	1/17/81 TIME - 1621	CHICAGO, IL	BEECH 99 N312BA DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 12	COMMERCIAL SCHED PASSG SRV	AIRLINE TRANSPORT, AGE 53, 16082 TOTAL HOURS, 5993 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - CHICAGO O'HARE</p> <p>DEPARTURE POINT DANVILLE, IL INTENDED DESTINATION CHICAGO, IL</p> <p>TYPE OF ACCIDENT WHEELS-UP PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S)</p> <p>PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE INSPECTION OF AIRCRAFT (MAINTENANCE PERSONNEL)</p> <p>AIRFRAME - LANDING GEAR: WHEELS, TIRES, AXLES</p> <p>MISCELLANEOUS ACTS, CONDITIONS - CORRODED/CORROSION</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>REMARKS- WHEEL FRACTURED AT SCRIBE MARK AT VALVE STEM. UN EXTEND L GR.</p>						
5-0034	1/6/81 TIME - 2030	NORFOLK, VA	MITSUBISHI MU-2B N755Q DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 3	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 47, 10000 TOTAL HOURS, 3706 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT MOBILE, AL INTENDED DESTINATION NORFOLK, VA</p> <p>TYPE OF ACCIDENT AIRFRAME FAILURE: IN FLIGHT PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>AIRFRAME - FUSELAGE: WINDSHIELDS, WINDOWS, CANOPIES</p> <p>MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE</p> <p>FACTOR(S)</p> <p>MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT</p> <p>REMARKS- OUTER CABIN WINDOW PANE FRACTURED. S/B #-102, DATED 2/25/70, REQUIRING OUTER WINDOW REPLMNT, NCW.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0035	6/22/81	NR. WILKES BARRE, PA	SHORT BROS SD3-30	CR- 0 0 3	COMMERCIAL	AIRLINE TRANSPORT, AGE
	TIME - 1717		N304CA	PX- 0 0 10	COMMUTER AIR CARRIER	32, 7800 TOTAL HOURS, 365
			DAMAGE-MINOR		AIR TAXI-PASSG S-D	IN TYPE, INSTRUMENT
						RATED.
		CLASSIFIED AS INCIDENT				
		DEPARTURE POINT	INTENDED DESTINATION		PHASE OF OPERATION	
		MIDDLETOWN, PA	FLUSHING, NY		IN FLIGHT: NORMAL CRUISE	
		TYPE OF ACCIDENT				
		TURBULENCE				
		PROBABLE CAUSE(S)				
		WEATHER - TURBULENCE IN FLIGHT, CLEAR AIR				
		WEATHER BRIEFING - UNKNOWN/NOT REPORTED				
		WEATHER FORECAST - UNKNOWN/NOT REPORTED				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		CLEAR			UNLIMITED	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		5 OR OVER (UNLIMITED)			NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			TYPE OF WEATHER CONDITIONS	
		NONE			VFR	
		TYPE OF FLIGHT PLAN				
		VFR				
		REMARKS- ACFT ABRUPTLY DESCENDED 800FT FOLLOWED BY AN INCREASE IN ALT OF 1100FT.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0036	7/13/81 TIME - 2055	SPRINGFIELD, OH	CESSNA 152 N6129Q DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 37, 548 TOTAL HOURS, 250 IN TYPE, NOT INSTRUMENT RATED.
CLASSIFIED AS INCIDENT		INTENDED DESTINATION		PHASE OF OPERATION		
DEPARTURE POINT		DAYTON, OH		IN FLIGHT: NORMAL CRUISE		
COLUMBUS, OH						
TYPE OF ACCIDENT						
MISCELLANEOUS						
PROBABLE CAUSE(S)						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: SUBSTANDARD QUALITY CONTROL						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: INCORRECT FACTORY INSTALLATION						
SYSTEMS - ELECTRICAL SYSTEM: PROTECTIVE DEVICES						
MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE						
MISCELLANEOUS ACTS, CONDITIONS - ARCING						
EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT						
SMOKE IN COCKPIT						
FUMES IN CABIN						
REMARKS- HOUSING OF ALTERNATOR CKT BRKR, PN S-1232-60-8106, BRKN, WIRES FUSED. FND BRKN BRKRS, 5 OTR NEW ACFT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0037	6/17/81 TIME - 2305	SHREVEPORT,LA	BEECH B99 N4499S DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 3	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	ATP,FLIGHT INSTR., AGE 28, 5461 TOTAL HOURS, 810 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
NAME OF AIRPORT - SHREVEPORT RGNL						
DEPARTURE POINT		INTENDED DESTINATION				
ALEXANDRIA,LA		SHREVEPORT,LA				
TYPE OF ACCIDENT						
COLLIDED WITH: ANIMALS				PHASE OF OPERATION		
GEAR COLLAPSED				TAKEOFF: RUN		
				LANDING: ROLL		
PROBABLE CAUSE(S)						
MISCELLANEOUS - ANIMAL(S) ON RUNWAY/TAXIWAY/RAMP						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - OVERLOAD FAILURE						
REMARKS- L MAIN GEAR STRUCK COYOTE DRG LIFT-OFF AT CHANDLER ARPT,ALEXANDRIA,LA.						
5-0038	6/13/81 TIME - 1528	MIDDLETOWN,OH	MITSUBISHI MU-2B N854MA DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 35, 3077 TOTAL HOURS, 434 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
NAME OF AIRPORT - HOOK MUNI						
DEPARTURE POINT		INTENDED DESTINATION				
PHILADELPHIA,PA		MIDDLETOWN,OH				
TYPE OF ACCIDENT						
WHEELS-UP				PHASE OF OPERATION		
				LANDING: LEVEL OFF/TOUCHDOWN		
PROBABLE CAUSE(S)						
PILOT IN COMMAND - FAILED TO EXTEND LANDING GEAR						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0039	4/16/81 TIME - 0223	MONTGOMERY, AL	CESSNA 414 N5637C DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 1	COMMERCIAL AIR TAXI-PASSG	ATP, FLIGHT INSTR., AGE 30, 7500 TOTAL HOURS, 1000 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>MIAMI, FL                              JACKSON, MS</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>ENGINE FAILURE OR MALFUNCTION      IN FLIGHT: NORMAL CRUISE</p> <p>FIRE OR EXPLOSION: IN FLIGHT        IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>POWERPLANT - MISCELLANEOUS: DETONATION</p> <p>POWERPLANT - ENGINE STRUCTURE: PISTON, PISTON RINGS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>FACTOR(S)</p> <p>POWERPLANT - ENGINE STRUCTURE: MASTER AND CONNECTING RODS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART, NOT SYSTEM</p> <p>MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED</p> <p>MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE</p> <p>COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE</p> <p>REMARKS- HOLE ERODED IN NR 3 PISTON, GASES BLEW BY. HI TEMP BRKDN OF LUBE. NR 2 &amp; 5 CNCTG ROD CAPS FAILED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0040	9/12/81 TIME - 1645	ROMEOVILLE, IL	CESSNA 152 N4837P DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	INSTRUCTIONAL SOLO	STUDENT, AGE 32, 20 TOTAL HOURS, ALL IN TYPE, NOT INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - LEWIS DEPARTURE POINT ROMEOVILLE, IL TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE COLLIDED WITH: PARKED AIRCRAFT INTENDED DESTINATION LOCAL PHASE OF OPERATION TAKEOFF: RUN TAKEOFF: RUN PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL PILOT IN COMMAND - FAILED TO ABORT TAKEOFF FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - TOUCH AND GO LANDING REMARKS- SUB DMG TO CESSNA 172, N35632, AND BEECH A-23, N2337L.						
5-0041	7/11/81 TIME - 0015	DETROIT, MI	BEECH 18 N355C DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL NS CTR CARGO	AIRLINE TRANSPORT, AGE 43, 14070 TOTAL HOURS, 1502 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - DETROIT METRO DEPARTURE POINT ASHEVILLE, GA TYPE OF ACCIDENT GEAR RETRACTED INTENDED DESTINATION DETROIT, MI PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - INADVERTENTLY RETRACTED GEAR						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0042	6/2/81	GULF OF MEXICO	AEROSPATIAL AS350D N3607S DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 28, 2742 TOTAL HOURS, 1285 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT FREEPORT, TX TYPE OF ACCIDENT PROPELLER/ROTOR FAILURE: TAIL ROTOR INTENDED DESTINATION GULF OF MEXICO PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE PROBABLE CAUSE(S) ROTORCRAFT - FLIGHT CONTROL SYSTEMS: TAIL ROTOR PITCH CONTROL SYSTEM MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE REMARKS- TAIL ROTOR PITCH CHANGE HORN, P/N 350A12-1368-01, FAILED.						
5-0043	6/23/81	CHICAGO, IL	SWEARINGEN 226TC N160MA DAMAGE-NONE	CR- 0 0 2 PX- 0 0 10	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 35, 4500 TOTAL HOURS, ALL IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - O'HARE DEPARTURE POINT MILWAUKEE, WI TYPE OF ACCIDENT MISCELLANEOUS INTENDED DESTINATION CHICAGO, IL PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: IMPROPER MAINTENANCE (MAINTENANCE PERSONNEL) SYSTEMS - FLIGHT CONTROL SYSTEMS: OTHER MISCELLANEOUS ACTS, CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT REMARKS- STALL HORN & STICK PUSHER ACTIVATED 3-4 DEG EARLY						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0044	4/11/81 TIME - 0710	GULF OF MEXICO	BELL 206B N4019G DAMAGE-NONE	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT                      INTENDED DESTINATION GULF OF MEXICO                      LOCAL TYPE OF ACCIDENT                      PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION                      IN FLIGHT: NORMAL CRUISE						
PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM: PUMP,FUEL MISCELLANEOUS ACTS,CONDITIONS - LEAK/LEAKAGE MISCELLANEOUS ACTS,CONDITIONS - LACK OF LUBRICATION-SPECIFIC PART,NOT SYSTEM MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER REMARKS- LUBRICATION WASHED OFF FUEL PUMP DRIVE SHAFT DUE TO FUEL LEAK.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0045	4/24/81	KALAMAZOO, MI	ROCKWELL 265-80	CR- 0 0 3	MISCELLANEOUS	AIRLINE TRANSPORT, AGE
	TIME - UNK/NR		N59	PX- 0 0 2	OTHER PUBLIC	50, 8365 TOTAL HOURS,
			DAMAGE-MINOR			1367 IN TYPE, INSTRUMENT
						RATED.
CLASSIFIED AS INCIDENT						
NAME OF AIRPORT - KALAMAZOO MUNI						
DEPARTURE POINT INTENDED DESTINATION						
CHAMPAIGN, IL BATTLE CREEK, MI						
TYPE OF ACCIDENT						
WHEELS-UP						
PHASE OF OPERATION						
LANDING: LEVEL OFF/TOUCHDOWN						
PROBABLE CAUSE(S)						
PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: IMPROPER MAINTENANCE (OWNER PERSONNEL)						
AIRFRAME - LANDING GEAR: NORMAL RETRACTION/EXTENSION ASSEMBLY						
MISCELLANEOUS ACTS, CONDITIONS - WRONG PART						
MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE						
FACTOR(S)						
MISCELLANEOUS ACTS, CONDITIONS - INTENTIONAL WHEELS-UP						
REMARKS- RT MLG CYLINDER, P/N 1127L001-2, FAILED. TYPE CYL ONLY USED FOR NA-265-60 & LIGHTER G/WT ACFT.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0046	9/14/81 TIME - 0750	NEW YORK, NY	CESSNA U206G N734VB DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 50, 1267 TOTAL HOURS, 979 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - WALL STREET SPB DEPARTURE POINT INTENDED DESTINATION MONMOUTH BEACH, NJ NEW YORK, NY TYPE OF ACCIDENT PHASE OF OPERATION GEAR COLLAPSED LANDING: OTHER  PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: ROUGH WATER MISCELLANEOUS ACTS, CONDITIONS - OVERLOAD FAILURE MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- ENCTR D SVR WTR TURBC, LNDG RUN, L FNT STRUT FAILED, PROP HIT FLOAT, ACFT SANK. BARGE TRAFFIC IN AREA.						
5-0047	6/11/81 TIME - 1959	MIDDLETOWN, PA	SHORTS SD3-30 N331CA DAMAGE-NONE	CR- 0 0 3 PX- 0 0 12	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 31, 7400 TOTAL HOURS, 305 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - HARRISBURG INTL DEPARTURE POINT INTENDED DESTINATION NEW YORK, NY MIDDLETOWN, PA TYPE OF ACCIDENT PHASE OF OPERATION MISCELLANEOUS LANDING: OTHER  PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR: SWITCHES, LEVERS, CRANKING MECHANISM, ETC. MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE REMARKS- LNDD W UNSAFE INDICATION FOR R MAIN GEAR. FOUND BROKEN WIRES ON DOWNLOCK SW, PN 216N9-10.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0048	11/20/81	LONG BEACH,CA	CESSNA 421B N421PT DAMAGE-NONE	CR- 0 0 1 PX- 0 0 0	COMMERCIAL UNKNOWN/NOT REPORTED	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>DEPARTURE POINT                      INTENDED DESTINATION LONG BEACH,CA                      GUAYMAS,MEXICO</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION                      IN FLIGHT: CLIMB TO CRUISE</p> <p>PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE,SERVICING,INSPECTION: UNKNOWN/NOT REPORTED PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT REMARKS- SHTDWN L ENG,SUSPECT FIRE,UN USE FIRE BOTTLE.FND OIL CAP OFF,OIL ON ENG,NO FIRE,FIRE BOTTLE GNDD.</p>						
5-0049	7/17/81	BOISE,ID	PIPER PA-34 N40036 DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	ATP,FLIGHT INSTR., AGE 28, 3095 TOTAL HOURS, 858 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - BOISE MUNI</p> <p>DEPARTURE POINT                      INTENDED DESTINATION SALT LAKE CITY,UT                      BOISE,ID</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION GEAR RETRACTED                      TAXI: FROM LANDING</p> <p>PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR: NORMAL RETRACTION/EXTENSION ASSEMBLY SYSTEMS - ELECTRICAL SYSTEM: OTHER MISCELLANEOUS ACTS,CONDITIONS - ERRATIC FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - CIRCUIT BREAKER POPPED REMARKS- GEAR RETRACTED WHEN POPPED CKT BRKR RESET,INITIALLY DUPLICATED WHEN CKD ON JACKS,THEN WORKED OK.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0050	11/19/81	NR.SEATTLE,WA	BEECH 200 N3875F DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 4	NONCOMMERCIAL CORP/EXEC	AIRLINE TRANSPORT, AGE 26, 2100 TOTAL HOURS, 200 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT SEATTLE,WA TYPE OF ACCIDENT MISCELLANEOUS INTENDED DESTINATION VANCOUVER,WA PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE PROBABLE CAUSE(S) PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. REMARKS- CABIN DOOR NOT SECURED. CAME OFF WHEN PLT GRASPED HANDLE TO CHK. DOOR PLACARDED, DO NOT CHK IN FLT.						
5-0051	8/31/81	JACKSONVILLE,FL	BEECH 3NM N9539 DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, AGE 27, 2512 TOTAL HOURS, 700 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT NAME OF AIRPORT - JACKSONVILLE INTL DEPARTURE POINT TAMPA,FL TYPE OF ACCIDENT FIRE OR EXPLOSION: IN FLIGHT INTENDED DESTINATION JACKSONVILLE,FL PHASE OF OPERATION LANDING: FINAL APPROACH PROBABLE CAUSE(S) POWERPLANT - FUEL SYSTEM: PRIMING SYSTEM MISCELLANEOUS ACTS, CONDITIONS - DETERIORATED MISCELLANEOUS ACTS, CONDITIONS - LEAK/LEAKAGE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE IN CABIN, COCKPIT, BAGGAGE COMPARTMENT REMARKS- FUEL LEAK FM WORN O-RINGS, ENG PRIMER SYS. FIRE ERUPTED WHEN GEAR EXTDD, SHRT FINAL. FIRE TRK STNDGBY.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0052	11/30/81 TIME - 1815	FAYETTEVILLE, AR	BEECH A36 N66861 DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-CARGO S-D	ATP, FLIGHT INSTR., AGE 39, 6391 TOTAL HOURS, 92 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT  NAME OF AIRPORT - DRAKE  DEPARTURE POINT  JOPLIN, MO  TYPE OF ACCIDENT  WHEELS-UP</p> <p>INTENDED DESTINATION  FAYETTEVILLE, AR</p> <p>PHASE OF OPERATION  LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S)  PILOT IN COMMAND - FAILED TO EXTEND LANDING GEAR  FACTOR(S)  WEATHER - UNFAVORABLE WIND CONDITIONS  WEATHER - TURBULENCE IN FLIGHT, CLEAR AIR  WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE  WEATHER FORECAST - UNKNOWN/NOT REPORTED</p> <p>SKY CONDITION  OVERCAST  VISIBILITY AT ACCIDENT SITE  5 OR OVER (UNLIMITED)  OBSTRUCTIONS TO VISION AT ACCIDENT SITE  HAZE  TEMPERATURE-F  55  WIND VELOCITY-KNOTS  18  TYPE OF FLIGHT PLAN  IFR  REMARKS- WND GSTG 28KTS, MDT TO SVR TURBC, DARK NGT.</p> <p>CEILING AT ACCIDENT SITE  3000  PRECIPITATION AT ACCIDENT SITE  NONE  RELATIVE BEARING OF WIND  RIGHT CROSS WIND 060-112 DEGREES  WIND DIRECTION-DEGREES  240  TYPE OF WEATHER CONDITIONS  VFR</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0053	9/7/81 TIME - 0640	BRAZORIA, TX	BELL 206L-1 N5733A DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	COMMERCIAL, AGE 60, 15500 TOTAL HOURS, 5040 IN TYPE, NOT INSTRUMENT RATED.

CLASSIFIED AS INCIDENT  
 NAME OF AIRPORT - RUTHERFORD OIL  
 DEPARTURE POINT INTENDED DESTINATION  
 ARCOLA, TX BRAZORIA, TX  
 TYPE OF ACCIDENT  
 ENGINE FAILURE OR MALFUNCTION  
 HARD LANDING

PHASE OF OPERATION  
 LANDING: FINAL APPROACH  
 LANDING: LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)  
 PERSONNEL - MISCELLANEOUS-PERSONNEL: OTHER  
 POWERPLANT - TURBINE ASSEMBLY: WHEEL TURBINE  
 MISCELLANEOUS ACTS, CONDITIONS - OVERHEATED  
 MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE

FACTOR(S)  
 TERRAIN - HIGH VEGETATION  
 COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE  
 EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND  
 FIRE AFTER IMPACT

REMARKS- 1ST STAGE TURB WHL, PN 6895801, FAILED FM THERMAL FATIGUE. EVIDENCE OF PREV 2300DEG OVRTEMP.

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0054	7/6/81 TIME - 1246	SAN JUAN, PR	DEHAVILLAND DH-114 N578PR DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 14	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 51, 20309 TOTAL HOURS, 10739 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - SAN JUAN INTL</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>SAN JUAN, PR ST CROIX, VI</p> <p>TYPE OF ACCIDENT PHASE OF OPERATION</p> <p>COLLISION WITH GROUND/WATER: CONTROLLED TAKEOFF: INITIAL CLIMB</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - INITIATED FLIGHT IN ADVERSE WEATHER CONDITIONS</p> <p>FACTOR(S)</p> <p>WEATHER - RAIN</p> <p>WEATHER - SUDDEN WINDSHIFT</p> <p>WEATHER - DOWNDRAFT, UPDRAFTS</p> <p>WEATHER - THUNDERSTORM ACTIVITY</p> <p>SKY CONDITION CEILING AT ACCIDENT SITE</p> <p>BROKEN 3000</p> <p>VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE</p> <p>3 MILES OR LESS RAIN SHOWERS</p> <p>OBSTRUCTIONS TO VISION AT ACCIDENT SITE TEMPERATURE-F</p> <p>UNKNOWN/NOT REPORTED 81</p> <p>TYPE OF WEATHER CONDITIONS TYPE OF FLIGHT PLAN</p> <p>VFR VFR</p> <p>REMARKS- FLEW INTO HVY RW/DWNDFT APRX 100FT AGL AFT GR HNDL RAISED. SETTLED, ROTG BCN &amp; AIR DUCTS SCRAPPED RWY</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0055	8/30/81 TIME - 0445	JOSHUA TREE,CA	PIPER PA-31T N2594R DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 2	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 31, 2430 TOTAL HOURS, 60 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - HI DESERT</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>SAN DIEGO,CA                      JOSHUA TREE,CA</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>UNDERSHOOT                      LANDING: FINAL APPROACH</p> <p>COLLIDED WITH: WIRES/POLES                      LANDING: FINAL APPROACH</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - MISJUDGED DISTANCE AND ALTITUDE</p> <p>FACTOR(S)</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: UNMARKED OBSTRUCTIONS</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: OTHER</p> <p>REMARKS- STRUCK UNLGTD PWR LNS APRX 24FT ABV &amp; 949FT FM DSPLCD THRESHOLD.RWY SLOPED 0.8DEG UPHILL.DARK NGT.</p>						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0056	12/2/81	NR,BELFAIR,WA	CESSNA 207 N1733U DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-PASSG	ATP,FLIGHT INSTR., AGE 30, 2734 TOTAL HOURS, 602 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - KITSAP COUNTY</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>OLYMPIA,WA                              PORT ANGELES,WA</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>ENGINE FAILURE OR MALFUNCTION                      IN FLIGHT: NORMAL CRUISE</p> <p>PROBABLE CAUSE(S)</p> <p>POWERPLANT - ENGINE STRUCTURE: CRANKSHAFT</p> <p>MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE</p> <p>COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE</p> <p>EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND</p> <p>REMARKS- CRANKSHAFT,P/N631716,FAILED BETWEEN NR5 &amp; NR6 JOURNALS.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0057	5/26/81	SS BLOCK 214,GM	SIKORSKY S-76	CR- 0 0 2	COMMERCIAL	COMMERCIAL, AGE 31, 4790
	TIME - 1708		N1547D	PX- 0 0 6	AIR TAXI-PASSG	TOTAL HOURS, 277 IN TYPE,
			DAMAGE-MINOR			INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
NAME OF AIRPORT - OIL RIG PLATFORM						
DEPARTURE POINT INTENDED DESTINATION						
SS BLOCK 214,GM LOCAL						
TYPE OF ACCIDENT PHASE OF OPERATION						
ENGINE FAILURE OR MALFUNCTION TAKEOFF: VERTICAL						
PROBABLE CAUSE(S)						
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: SUBSTANDARD QUALITY CONTROL						
POWERPLANT - TURBINE ASSEMBLY: SHROUD,RING						
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE						
POWERPLANT - MISCELLANEOUS: FOREIGN OBJECT DAMAGE						
FACTOR(S)						
MISCELLANEOUS ACTS,CONDITIONS - FAILURE OF TWO OR MORE ENGINES						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-2 ENGINES						
EMERGENCY CIRCUMSTANCES - FORCED LANDING ON AIRPORT/SEAPLANE BASE/HELIP.T.						
FIRE AFTER IMPACT						
REMARKS- THICKNESS,4TH STAGE TURB NZL LCTG RNG,BLO SPEC,FAIL FM FATIGUE,FRGMNTS FM OVRSPD TURB DMGD OTR ENG						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0058	11/30/81	NR.SEATTLE,WA	PIPER PA-31 N3533P DAMAGE-NONE	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, FL.INSTR., AGE 23, 2460 TOTAL HOURS, 102 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT SPOKANE,WA INTENDED DESTINATION SEATTLE,WA TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE PROBABLE CAUSE(S) MISC-OIL EXHAUSTION FOR UNKN RSN. MISCELLANEOUS ACTS,CONDITIONS - OIL EXHAUSTION-ENGINE LUBRICATION SYSTEM COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT REMARKS- OIL LEAK IN VCNTY OF OIL FILLER CAP.LNDD OK.						
5-0059	7/23/81	DENVER,CO	ROCKWELL 690B N690SE DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 1	NONCOMMERCIAL CORP/EXEC	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED.
CLASSIFIED AS INCIDENT DEPARTURE POINT DENVER,CO INTENDED DESTINATION UNKNOWN/NOT REPORTED TYPE OF ACCIDENT FIRE OR EXPLOSION: IN FLIGHT PHASE OF OPERATION IN FLIGHT: CLIMB TO CRUISE PROBABLE CAUSE(S) SYSTEMS - ELECTRICAL SYSTEM: RELAYS AND WIRING FACTOR(S) MISCELLANEOUS ACTS,CONDITIONS - FIRE IN CABIN,COCKPIT,BAGGAGE COMPARTMENT REMARKS- FAST SEATBELT/NO SMKG CHIME BOX CAUGHT FIRE AFT SIGN WAS TURNED OFF.FIRE BGN AT 100 OHM TRANSISTOR						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0060	8/17/81 TIME - 1745	TOOKSOK BAY,AK	PIPER PA-34 N31941 DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 3	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 32, 4800 TOTAL HOURS, 410 IN TYPE, INSTRUMENT RATED.

CLASSIFIED AS INCIDENT  
NAME OF AIRPORT - TOOKSOK BAY  
DEPARTURE POINT                      INTENDED DESTINATION  
BETHEL,AK                              TOOKSOK BAY,AK  
TYPE OF ACCIDENT                      PHASE OF OPERATION  
GEAR COLLAPSED                              LANDING: LEVEL OFF/TOUCHDOWN

PROBABLE CAUSE(S)  
PERSONNEL - PRODUCTION-DESIGN-PERSONNEL: SUBSTANDARD QUALITY CONTROL  
AIRFRAME - LANDING GEAR: MAIN GEAR-SHOCK ABSORBING ASSY,STRUTS,ATTACHMENTS,ETC.  
MISCELLANEOUS ACTS,CONDITIONS - FATIGUE FRACTURE  
REMARKS- R MAIN LNDG GEAR TRUNNION FAILED.FATIGUE CRACK BGN WHERE WEB RUN-OUT WAS GND.DIP IN CTR OF RWY.

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0061	11/18/81 TIME - 1143	LONG BEACH, CA	BEECH D18S N104J DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 0	COMMERCIAL AIR TAXI-CARGO	COMMERCIAL, FL.INSTR., AGE 40, 4223 TOTAL HOURS, 775 IN TYPE, NOT INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - LONG BEACH</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>LONG BEACH, CA                      CATALINA, CA</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>WHEELS-UP                      LANDING: ROLL</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC.</p> <p>MISCELLANEOUS ACTS, CONDITIONS - IMPROPER EMERGENCY PROCEDURES</p> <p>FACTOR(S)</p> <p>AIRFRAME - LANDING GEAR: GEAR LOCKING MECHANISM</p> <p>MISCELLANEOUS ACTS, CONDITIONS - IMPROPER ALIGNMENT/ADJUSTMENT</p> <p>SYSTEMS - ELECTRICAL SYSTEM: OTHER</p> <p>MISCELLANEOUS ACTS, CONDITIONS - CIRCUIT BREAKER POPPED</p> <p>MISCELLANEOUS ACTS, CONDITIONS - ELECTRICAL FAILURE</p> <p>EMERGENCY CIRCUMSTANCES - PRECAUTIONARY LANDING ON AIRPORT</p> <p>SUSPECTED MECHANICAL DISCREPANCY</p> <p>FIRE AFTER IMPACT</p> <p>REMARKS- DR UPLATCH MISADJSTD. MOTOR CONT OPERG AFT GR UP, CKTBRKR POPPED. IMP EMERG EXTN. GR COLLAPSED, ROLLOUT</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0062	10/29/81 TIME - 1015	PENSACOLA, FL	PIPER PA-23 N2589B DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL DUAL	COMMERCIAL, FL. INSTR., AGE 50, 10640 TOTAL HOURS, 12 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT						
DEPARTURE POINT		INTENDED DESTINATION				
PENSACOLA, FL		LOCAL				
TYPE OF ACCIDENT			PHASE OF OPERATION			
AIRFRAME FAILURE: IN FLIGHT			IN FLIGHT: NORMAL CRUISE			
PROBABLE CAUSE(S)						
MISCELLANEOUS - UNDETERMINED						
FACTOR(S)						
POWERPLANT - COOLING SYSTEM: COWLING						
MISCELLANEOUS ACTS, CONDITIONS - SEPARATION IN FLIGHT						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0063	11/26/81	NR.AVALON,CA	BELL 206L-1	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 38,
	TIME - 0910		N57397	PX- 0 0 2	AIR TAXI-PASSG	UNK/NR TOTAL HOURS,
			DAMAGE-NONE			UNK/NR IN TYPE, NOT
						INSTRUMENT RATED.
		CLASSIFIED AS INCIDENT				
		DEPARTURE POINT	INTENDED DESTINATION			
		SAN PEDRO, CA	AVALON,CA			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		ENGINE FAILURE OR MALFUNCTION			IN FLIGHT: NORMAL CRUISE	
		PROBABLE CAUSE(S)				
		POWERPLANT - COMPRESSOR ASSEMBLY: BEARING, ROTOR SHAFT				
		MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE				
		FACTOR(S)				
		POWERPLANT - LUBRICATING SYSTEM: MAGNETIC PLUG				
		SYSTEMS - ELECTRICAL SYSTEM: RELAYS AND WIRING				
		MISCELLANEOUS ACTS, CONDITIONS - OPEN				
		COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON WATER				
		REMARKS- FND FAILURE OF 2 1/2 ENG BRG & OPEN IN ELEC WIRING TO UPPER MAG PLUG IN CHIP DETECTOR LGT SYS.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0064	10/18/81 TIME - 1553	DIXON,IL	SHORTS SD3-30 N331MV DAMAGE-MINOR	CR- 0 0 3 PX- 0 0 29	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	AIRLINE TRANSPORT, AGE 35, 5000 TOTAL HOURS, 551 IN TYPE, INSTRUMENT RATED.
CLASSIFIED AS INCIDENT		INTENDED DESTINATION		PHASE OF OPERATION		
DEPARTURE POINT		CHICAGO,IL		IN FLIGHT: NORMAL CRUISE		
TYPE OF ACCIDENT		MISCELLANEOUS				
PROBABLE CAUSE(S)						
MISCELLANEOUS - FOREIGN OBJECT DAMAGE						
FACTOR(S)						
WEATHER - ICING CONDITIONS-INCLUDES SLEET,FREEZING RAIN,ETC.						
MISCELLANEOUS ACTS,CONDITIONS - ICE-PROPELLER						
WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE						
WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT						
SKY CONDITION				CEILING AT ACCIDENT SITE		
OVERCAST				1000		
VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE		
4 MILES OR LESS				NONE		
OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TYPE OF WEATHER CONDITIONS		
FOG				IFR		
TYPE OF FLIGHT PLAN						
IFR						
REMARKS- ICE FM PROP PENETRATED WINDOW OF ROW 3 RESULTING IN 1IN DIAMETER HOLE.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0065	7/8/81 TIME - 1501	COBBLESTONE, AK	LEAR JET 25 N424RD DAMAGE-MINOR	CR- 0 0 2 PX- 0 0 6	COMMERCIAL AIR TAXI-PASSG	ATP, FLIGHT INSTR., AGE 30, 5500 TOTAL HOURS, 570 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - COBBLESTONE</p> <p>DEPARTURE POINT                      INTENDED DESTINATION</p> <p>ANCHORAGE, AK                      COBBLESTONE, AK</p> <p>TYPE OF ACCIDENT                      PHASE OF OPERATION</p> <p>GROUND-WATER LOOP-SWERVE                      LANDING: ROLL</p> <p>COLLIDED WITH: SNOWBANK                      LANDING: ROLL</p> <p>PROBABLE CAUSE(S)</p> <p>AIRFRAME - LANDING GEAR: NOSEWHEEL STEERING</p> <p>SYSTEMS - ELECTRICAL SYSTEM: MOTORS</p> <p>MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: SNOW WINDROWS</p> <p>FACTOR(S)</p> <p>AIRPORTS/AIRWAYS/FACILITIES - AIRPORT CONDITIONS: WET RUNWAY</p> <p>REMARKS- NOSE WHL STEERING SERVO, SN 025-2380066-68, FAILED.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0066	6/19/81	NR.SKAGWAY,AK	CESSNA 207A	CR- 0 0 1	COMMERCIAL	COMMERCIAL, AGE 21, 920
	TIME - 1445		N75826	PX- 0 0 5	OTHER	TOTAL HOURS, 105 IN TYPE,
			DAMAGE-MINOR			INSTRUMENT RATED.
		CLASSIFIED AS INCIDENT				
		DEPARTURE POINT	INTENDED DESTINATION			
		SKAGWAY,AK	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		COLLISION WITH GROUND/WATER: CONTROLLED			IN FLIGHT: OTHER	
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
		FACTOR(S)				
		WEATHER - DOWNDRAFT,UPDRAFTS				
		WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED				
		WEATHER FORECAST - UNKNOWN/NOT REPORTED				
		EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND				
		SKY CONDITION			CEILING AT ACCIDENT SITE	
		CLEAR			UNLIMITED	
		VISIBILITY AT ACCIDENT SITE			PRECIPITATION AT ACCIDENT SITE	
		5 OR OVER(UNLIMITED)			NONE	
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE			WIND DIRECTION-DEGREES	
		NONE			120	
		WIND VELOCITY-KNOTS			TYPE OF WEATHER CONDITIONS	
		12			VFR	
		TYPE OF FLIGHT PLAN				
		OTHER				
		REMARKS- FORCED LANDING ON GLACIER.CO FLT PLN.WND GSTG 15KTS.LOCAL SIGHTSEEING FLT.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
5-0067	6/30/81 TIME - 2015	HAILEY, ID	PIPER PA-31 N3516A DAMAGE-MINOR	CR- 0 0 1 PX- 0 0 9	COMMERCIAL COMMUTER AIR CARRIER AIR TAXI-PASSG S-D	ATP, FLIGHT INSTR., AGE 30, 3617 TOTAL HOURS, 890 IN TYPE, INSTRUMENT RATED.
<p>CLASSIFIED AS INCIDENT</p> <p>NAME OF AIRPORT - FRIEDMAN MEMORIAL</p> <p>DEPARTURE POINT INTENDED DESTINATION</p> <p>SALT LAKE CITY, UT HAILEY, ID</p> <p>TYPE OF ACCIDENT</p> <p>WHEELS-UP</p> <p>PHASE OF OPERATION</p> <p>LANDING: LEVEL OFF/TOUCHDOWN</p> <p>PROBABLE CAUSE(S)</p> <p>PILOT IN COMMAND - FAILED TO EXTEND LANDING GEAR</p> <p>FACTOR(S)</p> <p>MISCELLANEOUS ACTS, CONDITIONS - CHECKLIST-FAILED TO USE</p> <p>MISCELLANEOUS ACTS, CONDITIONS - PILOT FATIGUE</p> <p>REMARKS- PLT SAID HE WAS VERY TIRED.</p>						



FOREIGN REGISTERED AIRCRAFT BRIEFS



NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D. C. 20594

BRIEFS OF ACCIDENTS/INCIDENTS

FOREIGN REGISTERED AIRCRAFT

SUPPLEMENTAL ISSUE

1981

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
A-0001	10/26/81 TIME - 1824	ST THOMAS,VI	LOCKHEED 749 HI-328 DAMAGE-DESTROYED	CR- 3 0 0 PX- 0 2 0	NS/CTR REVENUE CARGO INTL	AIRLINE TRANSPORT, AGE UNK/NR, 18156 TOTAL HOURS, 988 IN TYPE, INSTRUMENT RATED.
<p>NAME OF AIRPORT - HARRY S TRUMAN  OPERATOR - OTHER-FOREIGN FLAG CARRIER  DEPARTURE POINT INTENDED DESTINATION  ST CROIX,VI ST THOMAS,VI  TYPE OF ACCIDENT  COLLISION WITH GROUND/WATER: *ERROR-INVALID CODE*</p> <p>PHASE OF OPERATION  LANDING: FINAL APPROACH</p> <p>PROBABLE CAUSE(S)  PILOT IN COMMAND - MISJUDGED ALTITUDE AND CLEARANCE  FACTOR(S)  MISCELLANEOUS ACTS,CONDITIONS - AIRCRAFT CAME TO REST IN WATER</p> <p>REMARKS- CLRD VISUAL APCH/LNDG,RWY 9.CRASHED IN OCEAN APRX 2MI FM RWY AFT 360DEG TURN TO AVOID OTR TFC,NGT.</p>						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
A-0002	8/25/81 TIME - 2035	MIAMI, FL	BOEING 727 6Y-JMB DAMAGE-SUBSTANTIAL	CR- 0 0 10 PX- 0 0127	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 29, 5495 TOTAL HOURS, 3619 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIAMI INTL OPERATOR - OTHER-FOREIGN FLAG CARRIER DEPARTURE POINT INTENDED DESTINATION KINGSTON, JAMAICA MIAMI, FL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING: LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED DISTANCE, SPEED, AND ALTITUDE FACTOR(S) WEATHER - RAIN WEATHER - SUDDEN WINDSHIFT WEATHER - DOWNDRAFT, UPDRAFTS WEATHER - THUNDERSTORM ACTIVITY  SKY CONDITION CEILING AT ACCIDENT SITE BROKEN/LOWER SCATTERED 15000 VISIBILITY AT ACCIDENT SITE PRECIPITATION AT ACCIDENT SITE 5 OR OVER(UNLIMITED) RAIN, THUNDERSTORM OBSTRUCTIONS TO VISION AT ACCIDENT SITE RELATIVE BEARING OF WIND NONE UNKNOWN/NOT REPORTED TEMPERATURE-F TYPE OF WEATHER CONDITIONS 78 VFR TYPE OF FLIGHT PLAN IFR REMARKS- ENCTRD RW, SUDDEN WND SHFT & DWNDFT ON FINAL APCH, DARK NGT. NOSE WHL DMG FND AFT SUBSEQUENT FLT.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
A-0003	12/16/81 TIME - 1216	MIAMI, FL	BOEING 707 HI-384 DAMAGE-SUBSTANTIAL	CR- 0 0 5 PX- 0 0 0	FERRY	AIRLINE TRANSPORT, AGE 38, 8170 TOTAL HOURS, 1470 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIAMI INTL OPERATOR - OTHER-FOREIGN FLAG CARRIER DEPARTURE POINT INTENDED DESTINATION PUERTO PLATA, DOM REP MIAMI, FL TYPE OF ACCIDENT AIRFRAME FAILURE: ON GROUND PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR: MAIN GEAR-SHOCK ABSORBING ASSY, STRUTS, ATTACHMENTS, ETC. MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE REMARKS- R MAIN LNDG GEAR TRUCK BEAM, PN 50-9725-2, FAILED, FNT WHLS SEPD. FERRIED TO BGN PAX FLT AFT STORAGE.						
A-0004	3/28/81 TIME - 1555	NR. ST. CROIX, VI	DOUGLAS C-54B N98AS DAMAGE-DESTROYED	CR- 1 0 1 PX- 0 0 0	NS/CTR REVENUE CARGO INTL	COMMERCIAL, AGE 36, 9622 TOTAL HOURS, 1227 IN TYPE, INSTRUMENT RATED.
OPERATOR - OTHER-FOREIGN FLAG CARRIER DEPARTURE POINT INTENDED DESTINATION BARRADOS, WEST INDIES SAN JUAN, PR TYPE OF ACCIDENT FIRE OR EXPLOSION: IN FLIGHT DITCHING PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) MISCELLANEOUS - UNDETERMINED FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE OF UNDETERMINED ORIGIN MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE MISCELLANEOUS ACTS, CONDITIONS - AIRCRAFT CAME TO REST IN WATER REMARKS- ACFT DITCHED FOL UNCONTROLLABLE FIRE IN NO. 3 ENG. COPILOT DROWNED. OPER BY CARIBBEAN AIR CARGO, LMTD.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
A-0005	9/28/81 TIME - 1410	ST.CROIX,VI	CURTIS-WRT C-46 HI-209 DAMAGE-SUBSTANTIAL	CR- 0 0 3 PX- 0 0 0	NS/CTR REVENUE CARGO INTL	AIRLINE TRANSPORT, AGE 54, 11000 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - ALEXDR HAMILTON OPERATOR - OTHER-FOREIGN FLAG CARRIER DEPARTURE POINT INTENDED DESTINATION ST.CROIX,VI SAN JUAN,PR TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH: OBJECT TAXI: TO TAKEOFF  PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR: BRAKING SYSTEM (NORMAL SYSTEM) MISCELLANEOUS ACTS,CONDITIONS - MATERIAL FAILURE MISCELLANEOUS ACTS,CONDITIONS - LEAK/LEAKAGE MISCELLANEOUS ACTS,CONDITIONS - HYDRAULIC FAILURE REMARKS- LEFT BRAKE EXPANDER FAILED,LOST BRAKES AFT HYD FLUID DEPLETED.STRUCK LGT POLE,HANGAR,GRUMMAN G-73.						
C-0001	6/20/81 TIME - 1356	MIAMI,FL	BOEING 707 HC-BCT DAMAGE-MINOR	CR- 0 0 8 PX- 0 0138	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 55, 13713 TOTAL HOURS, 5600 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - MIAMI INTL OPERATOR - OTHER-FOREIGN FLAG CARRIER DEPARTURE POINT INTENDED DESTINATION QUITO,ECUADOR MIAMI,FL TYPE OF ACCIDENT PHASE OF OPERATION COLLIDED WITH: OBJECT STATIC: PARKED-ENGINES NOT OPERATING  PROBABLE CAUSE(S) PERSONNEL - MISCELLANEOUS-PERSONNEL: GROUND SIGNALMAN FACTOR(S) PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: INADEQUATE SUPERVISION/TRAINING OF RAMP CREWS PERSONNEL - OPERATIONAL SUPERVISORY PERSONNEL: FAILURE TO PROVIDE ADEQ.DIRECTIVES,MANUAL,EQUIPMENT REMARKS- AIRCRAFT ROLLED BACK AND COLLIDED WITH A FUEL TRUCK AFT GROUND CREWMAN SIGNALLED PLT,BRAKES OFF.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
C-0002	2/19/81 TIME - 1446	JAMAICA, NY	S.N.I.A.S. CONCRD F-BTSD DAMAGE-MINOR	CR- 0 0 9 PX- 0 0 40	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - DULLES INTL OPERATOR - AIR FRANCE DEPARTURE POINT INTENDED DESTINATION CHANTILLY, VA PARIS, FRANCE TYPE OF ACCIDENT AIRFRAME FAILURE: ON GROUND ENGINE FAILURE OR MALFUNCTION  PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR: WHEELS, TIRES, AXLES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE POWERPLANT - MISCELLANEOUS: FOREIGN OBJECT DAMAGE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - VIBRATION, EXCESSIVE REMARKS- NO 2 TIRE ON L MAIN GEAR FAILED, NO 1 ENG BGN VIB & WAS SHUTDOWN. FOUND FOD IN NO 1 & NO 2 ENGS.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
C-0003	8/9/81 TIME - 1023	JAMAICA, NY	BRITISH AER CONCRD G-BOAG DAMAGE-MINOR	CR- 0 0 9 PX- 0 0 94	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 49, 11800 TOTAL HOURS, 1393 IN TYPE, UNK/NR INSTRUMENT RATED.
NAME OF AIRPORT - JF KENNEDY INTL OPERATOR - BRITISH AIRWAYS DEPARTURE POINT INTENDED DESTINATION JAMAICA, NY LONDON, UK TYPE OF ACCIDENT AIRFRAME FAILURE: ON GROUND ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION TAKEOFF: RUN TAKEOFF: RUN PROBABLE CAUSE(S) AIRFRAME - LANDING GEAR: WHEELS, TIRES, AXLES MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE POWERPLANT - MISCELLANEOUS: FOREIGN OBJECT DAMAGE REMARKS- NO 1 FNT TIRE, LMG, FAILED, DMGD NO 2 FNT TIRE & NO 1,283 ENGS. 16 LNDGS ON DUNLOP RETREAD TIRE.						
C-0004	12/27/81 TIME - 0815	ST THOMAS, VI	HAWKER SDLY HS-748 VP-LIP DAMAGE-MINOR	CR- 0 0 4 PX- 0 0 32	SCHED INTERNATL PASSG SRV	AIRLINE TRANSPORT, AGE 39, 7500 TOTAL HOURS, 4700 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - HARRY S TRUMAN OPERATOR - OTHER-FOREIGN FLAG CARRIER DEPARTURE POINT INTENDED DESTINATION ST THOMAS, VI ST MAARTEN, NA TYPE OF ACCIDENT COLLIDED WITH: OBJECT PHASE OF OPERATION TAXI: TO TAKEOFF PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO SEE AND AVOID OBJECTS OR OBSTRUCTIONS REMARKS- STRUCK GND PWR UNIT & TUG. TUG HAD STALLED AFTER GND PWR UNIT WAS USED TO START ENGS.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0001	1/30/81 TIME - 2000	LAS CRUCES,NM	AERO COMDR 560F C-GUWS DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS FERRY	PRIVATE, AGE 38, 2500 TOTAL HOURS, 200 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT EL PASO, TX	INTENDED DESTINATION TUCSON, AZ			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH: WIRES/POLES	PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE IN FLIGHT: LOW PASS			
PROBABLE CAUSE(S) POWERPLANT - REDUCTION GEAR ASSEMBLY: GEARS, REDUCTION MISCELLANEOUS ACTS, CONDITIONS - MATERIAL FAILURE PILOT IN COMMAND - FAILED TO FOLLOW APPROVED PROCEDURES, DIRECTIVES, ETC. MISCELLANEOUS ACTS, CONDITIONS - IMPROPER EMERGENCY PROCEDURES PILOT IN COMMAND - MISJUDGED ALTITUDE FACTOR(S) TERRAIN - HIGH OBSTRUCTIONS COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE REMARKS- REDUCTION GEAR ASSY FAILED. DSND TO 50FT AGL WO FEATHERING ENG, HIT PWR LN. DARK NGT.						
E-0002	3/5/81 TIME - 1200	ST JOSEPH ISLE, TX	PIPER J-3 CFNXX DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 51, 3420 TOTAL HOURS, 400 IN TYPE, NOT INSTRUMENT RATED.
		DEPARTURE POINT PORT ARANSAS, TX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT NOSE OVER/DOWN	PHASE OF OPERATION TAKEOFF: RUN			
PROBABLE CAUSE(S) PILOT IN COMMAND - SELECTED UNSUITABLE TERRAIN FACTOR(S) TERRAIN - SANDY REMARKS- SOFT SAND ON BEACH.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0003	4/22/81	NR. WASHOUGAL, WA	PIPER PA-28	CR- 1 0 0	NONCOMMERCIAL	CERTIFICATE OTHER, AGE
	TIME - 1257		C-GNVX	PX- 1 0 0	PLEASURE/PERSONAL TRANSP	21, 110 TOTAL HOURS, 35
			DAMAGE-DESTROYED			IN TYPE, NOT INSTRUMENT
						RATED.
		DEPARTURE POINT	INTENDED DESTINATION			
		MEDFORD, OR	PORTLAND, OR			
		TYPE OF ACCIDENT		PHASE OF OPERATION		
		COLLISION WITH GROUND/WATER: CONTROLLED		IN FLIGHT: NORMAL CRUISE		
		PROBABLE CAUSE(S)				
		PILOT IN COMMAND - BECAME LOST/DISORIENTED				
		PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING				
		FACTOR(S)				
		WEATHER - LOW CEILING				
		WEATHER - RAIN				
		WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY RADIO				
		WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT				
		MISSING AIRCRAFT - LATER RECOVERED				
		SKY CONDITION		CEILING AT ACCIDENT SITE		
		BROKEN		UNKNOWN/NOT REPORTED		
		VISIBILITY AT ACCIDENT SITE		PRECIPITATION AT ACCIDENT SITE		
		5 OR OVER(UNLIMITED)		RAIN		
		OBSTRUCTIONS TO VISION AT ACCIDENT SITE		TEMPERATURE-F		
		NONE		62		
		WIND DIRECTION-DEGREES		WIND VELOCITY-KNOTS		
		250		5		
		TYPE OF WEATHER CONDITIONS		TYPE OF FLIGHT PLAN		
		IFR		VFR		
		FIRE AFTER IMPACT				
		REMARKS- PLT CIRCUMNAVIGATED WEATHER, UNSURE OF POSITION. OVERFLEW SUITABLE ARPTS. FLEW INTO MTN SLOPE.				

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0004	4/9/81 TIME - 1430	EL PASO, TX	ROBINSON R22 C-GBPK DAMAGE-DESTROYED	CR- 1 0 0 PX- 1 0 0	MISCELLANEOUS FERRY	CERTIFICATE OTHER, AGE 40, 471 TOTAL HOURS, 21 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - EL PASO INTL DEPARTURE POINT INTENDED DESTINATION LORDSBURG, NM EL PASO, TX TYPE OF ACCIDENT COLLISION WITH GROUND/WATER: CONTROLLED PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN ADEQUATE ROTOR R.P.M. FACTOR(S) PILOT IN COMMAND - LACK OF FAMILIARITY WITH AIRCRAFT WEATHER - HIGH DENSITY ALTITUDE WEATHER BRIEFING - NO RECORD OF BRIEFING RECEIVED WEATHER FORECAST - UNKNOWN/NOT REPORTED SKY CONDITION CLEAR VISIBILITY AT ACCIDENT SITE 5 OR OVER(UNLIMITED) OBSTRUCTIONS TO VISION AT ACCIDENT SITE NONE WIND DIRECTION-DEGREES 220 TYPE OF WEATHER CONDITIONS VFR FIRE AFTER IMPACT REMARKS- OBSD DSNDG W LOW ROTOR RPM. APRX 21HRS IN R22, ALL OTR TIME IN TURB PWRD HELD/A APRX 6300FT.						
PHASE OF OPERATION LANDING: FINAL APPROACH CEILING AT ACCIDENT SITE UNLIMITED PRECIPITATION AT ACCIDENT SITE NONE TEMPERATURE-F 81 WIND VELOCITY-KNOTS 3 TYPE OF FLIGHT PLAN NONE						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0005	4/25/81 TIME - 1215	DEL RIO, TX.	BELL 206B XBCMw DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 0	INSTRUCTIONAL TRAINING	CERTIFICATE OTHER, AGE 33, 5510 TOTAL HOURS, 1064 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - DEL RIO MUNI DEPARTURE POINT INTENDED DESTINATION DEL RIO, TX LOCAL TYPE OF ACCIDENT PHASE OF OPERATION HARD LANDING LANDING: LEVEL OFF/TOUCHDOWN PROBABLE CAUSE(S) PILOT IN COMMAND - MISJUDGED SPEED AND ALTITUDE						
E-0006	8/4/81 TIME - 1300	INTL FALLS, MN	PIPER PA-22 CGZVP DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	PRIVATE, AGE 51, 200 TOTAL HOURS, 50 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - INTL FALLS DEPARTURE POINT INTENDED DESTINATION WINNIPEG, CANADA INTL FALLS, MN TYPE OF ACCIDENT PHASE OF OPERATION ENGINE FAILURE OR MALFUNCTION LANDING: FINAL APPROACH COLLIDED WITH: DITCHES LANDING: ROLL PROBABLE CAUSE(S) PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS, CONDITIONS - INATTENTIVE TO FUEL SUPPLY MISCELLANEOUS ACTS, CONDITIONS - FUEL STARVATION PARTIAL POWER LOSS - PARTIAL LOSS OF POWER - 1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND REMARKS- 17GAL FUEL IN L TANK, NONE DRAINED FM R, FUEL SEL ON R TANK.						



## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0007	9/20/81 TIME - 1430	MIAMI, FL  NAME OF AIRPORT - TAMiami DEPARTURE POINT MIAMI, FL TYPE OF ACCIDENT GROUND-WATER LOOP-SWERVE	GRUMMAN AF-2S YV-398A DAMAGE-SUBSTANTIAL  INTENDED DESTINATION LOCAL	CR- 0 0 1 PX- 0 0 1	MISCELLANEOUS TEST  PHASE OF OPERATION LANDING: ROLL	COMMERCIAL, AGE 29, 3802 TOTAL HOURS, 35 IN TYPE, INSTRUMENT RATED.
PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO MAINTAIN DIRECTIONAL CONTROL						
E-0008	5/9/81 TIME - 1000	TERRYVILLE, CT  DEPARTURE POINT DANBURY, CT TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH: TREES	ERCO 415-D C-FNWZ DAMAGE-DESTROYED  INTENDED DESTINATION WINDSOR LOCKS, CT	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP  PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE LANDING: LEVEL OFF/TOUCHDOWN	CERTIFICATE OTHER, AGE 30, 135 TOTAL HOURS, 40 IN TYPE, NOT INSTRUMENT RATED.
PROBABLE CAUSE(S) PERSONNEL - MAINTENANCE, SERVICING, INSPECTION: INADEQUATE MAINTENANCE AND INSPECTION POWERPLANT - ENGINE STRUCTURE: CYLINDER ASSEMBLY MISCELLANEOUS ACTS, CONDITIONS - UNDER TORQUED MISCELLANEOUS ACTS, CONDITIONS - FATIGUE FRACTURE FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - FIRE IN ENGINE MISCELLANEOUS - SMOKE IN COCKPIT COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND FIRE AFTER IMPACT REMARKS- NO 2 CYL PARTIALLY SEPD AFT 5 OF 6 HOLD-DWN STUDS FAILED FM FATIGUE.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0009	7/27/81	NR.SPARKS,NV	CESSNA R172K C-GFPG DAMAGE-SUBSTANTIAL	CR- 0 1 0 PX- 0 2 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	CERTIFICATE OTHER, AGE 41, 56 TOTAL HOURS, 21 IN TYPE, NOT INSTRUMENT RATED.
NAME OF AIRPORT - NEVADA FLYERS DEPARTURE POINT CRANBROOK,BC,CANADA INTENDED DESTINATION RENO,NV TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE COLLISION WITH GROUND/WATER: CONTROLLED LANDING: TRAFFIC PATTERN-CIRCLING  PROBABLE CAUSE(S) PILOT IN COMMAND - IMPROPER IN-FLIGHT DECISIONS OR PLANNING PILOT IN COMMAND - MISMANAGEMENT OF FUEL MISCELLANEOUS ACTS,CONDITIONS - FUEL EXHAUSTION FACTOR(S) TERRAIN - ROUGH/UNEVEN COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
E-0010	10/19/81	EL PASO,TX	PIPER PA-23 XB-XEH DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 1	NONCOMMERCIAL PLEASURE/PERSONAL TRANSP	CERTIFICATE OTHER, AGE 43, 6100 TOTAL HOURS, 30 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - EL PASO INTL DEPARTURE POINT JUAREZ,MEXICO INTENDED DESTINATION EL PASO,TX TYPE OF ACCIDENT WHEELS-UP PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN  PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO ASSURE THE GEAR WAS DOWN AND LOCKED REMARKS- NOSE GEAR COLLAPSED.FOUND R MAIN GEAR UNLOCKED.GEAR OPERD NORMALLY DRG FUNCTIONAL CHECK.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0011	9/10/81 TIME - 1115	TOMBALL, TX	CESSNA 150 XB-CHW DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 0	MISCELLANEOUS TEST	COMMERCIAL, FL.INSTR., AGE 56, 18990 TOTAL HOURS, 2500 IN TYPE, INSTRUMENT RATED.
		DEPARTURE POINT TOMBALL, TX	INTENDED DESTINATION LOCAL			
		TYPE OF ACCIDENT ENGINE FAILURE OR MALFUNCTION COLLIDED WITH: TREES	PHASE OF OPERATION IN FLIGHT: NORMAL CRUISE LANDING: ROLL			
PROBABLE CAUSE(S)						
PILOT IN COMMAND - INADEQUATE PREFLIGHT PREPARATION AND/OR PLANNING						
PILOT IN COMMAND - MISMANAGEMENT OF FUEL						
MISCELLANEOUS ACTS, CONDITIONS - FUEL EXHAUSTION						
COMPLETE POWER LOSS - COMPLETE ENGINE FAILURE/FLAMEOUT-1 ENGINE						
EMERGENCY CIRCUMSTANCES - FORCED LANDING OFF AIRPORT ON LAND						
REMARKS- LOST PWR OVR WOODED AREA, UN TO STOP IN SMALL CLRG DRG FORCED LNDG						
E-0012	9/20/81 TIME - 1745	PITTSBURGH, PA	CESSNA 310P CF-KBC DAMAGE-SUBSTANTIAL	CR- 0 0 1 PX- 0 0 2	NONCOMMERCIAL BUSINESS	CERTIFICATE OTHER, AGE 39, 996 TOTAL HOURS, UNK/NR IN TYPE, INSTRUMENT RATED.
		NAME OF AIRPORT - PITTSBURGH INTL DEPARTURE POINT TORONTO, CANADA	INTENDED DESTINATION PITTSBURGH, PA			
		TYPE OF ACCIDENT WHEELS-UP	PHASE OF OPERATION LANDING: LEVEL OFF/TOUCHDOWN			
PROBABLE CAUSE(S)						
AIRFRAME - LANDING GEAR: NORMAL RETRACTION/EXTENSION ASSEMBLY						
MISCELLANEOUS ACTS, CONDITIONS - DISCONNECTED						
REMARKS- UN TO LOCK L MLG.FND PUSH-PULL TUBE, PN 5045413-3, SEPD FM FWD END OF TORQUE TUBE, PN 5045010-7.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0013	3/18/81	BEATTY, NV	BEECH TC-45J	CR- 2 0 0	NONCOMMERCIAL	COMMERCIAL, AGE 60, 14800
	TIME - 1516		CG-RJE	PX- 0 0 0	CORP/EXEC	TOTAL HOURS, 2000 IN
			DAMAGE-DESTROYED			TYPE, INSTRUMENT RATED.
	NAME OF AIRPORT - BEATTY					
	DEPARTURE POINT	INTENDED DESTINATION			LAST ENROUTE STOP	
	YUMA, AZ	SPOKANE, WA			BEATTY, NV	
	TYPE OF ACCIDENT				PHASE OF OPERATION	
	COLLISION WITH GROUND/WATER: UNCONTROLLED				LANDING: FINAL APPROACH	
	PROBABLE CAUSE(S)					
	MISCELLANEOUS - UNDETERMINED					
	FACTOR(S)					
	WEATHER - UNFAVORABLE WIND CONDITIONS					
	WEATHER - TURBULENCE IN FLIGHT, CLEAR AIR					
	WEATHER - HIGH DENSITY ALTITUDE					
	MISCELLANEOUS ACTS, CONDITIONS - DOWNWIND					
	WEATHER BRIEFING - BRIEFED BY FLIGHT SERVICE PERSONNEL, BY PHONE					
	WEATHER FORECAST - FORECAST SUBSTANTIALLY CORRECT					
	SKY CONDITION				CEILING AT ACCIDENT SITE	
	BROKEN				UNLIMITED	
	VISIBILITY AT ACCIDENT SITE				PRECIPITATION AT ACCIDENT SITE	
	5 OR OVER(UNLIMITED)				NONE	
	OBSTRUCTIONS TO VISION AT ACCIDENT SITE				TEMPERATURE-F	
	NONE				64	
	WIND DIRECTION-DEGREES				WIND VELOCITY-KNOTS	
	110				15	
	TYPE OF WEATHER CONDITIONS				TYPE OF FLIGHT PLAN	
	VFR				NONE	
	FIRE AFTER IMPACT					
	REMARKS- CRASHED AFT SVRL NON-STD TURNS IN TFC PAT. HAULING SPARE ENG LOADED BTN 2 STACKED TIRES. D/A 4200FT.					

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
E-0014	12/10/81	LAREDO, TX	HAWKER SIDD HS.125 XA-ESQ DAMAGE-SUBSTANTIAL	CR- 0 0 2 PX- 0 0 8	COMMERCIAL AIR TAXI-PASSG	AIRLINE TRANSPORT, AGE 33, 6042 TOTAL HOURS, 533 IN TYPE, INSTRUMENT RATED.
NAME OF AIRPORT - LAREDO INTL DEPARTURE POINT MONTEREY, MX INTENDED DESTINATION LAREDO, TX TYPE OF ACCIDENT STALL: MUSH PHASE OF OPERATION LANDING: FINAL APPROACH PROBABLE CAUSE(S) PILOT IN COMMAND - FAILED TO OBTAIN/MAINTAIN FLYING SPEED FACTOR(S) MISCELLANEOUS ACTS, CONDITIONS - ALCOHOLIC IMPAIRMENT OF EFFICIENCY AND JUDGMENT REMARKS- SEVERAL WITNESSES STATED PILOT APPEARED TO BE UNDER THE INFLUENCE OF ALCOHOL.						
G-0001	4/10/81	KETCHIKAN, AK	MCKINNON G-21 CFAWH DAMAGE-NONE	CR- 0 0 1 PX- 0 0 5	COMMERCIAL AIR TAXI-PASSG	CERTIFICATE UNKNOWN, AGE UNK/NR, UNK/NR TOTAL HOURS, UNK/NR IN TYPE, UNK/NR INSTRUMENT RATED.
NAME OF AIRPORT - KETCHIKAN SPB DEPARTURE POINT UNKNOWN/NOT REPORTED INTENDED DESTINATION PRINCE RUPERT, B.C. TYPE OF ACCIDENT COLLIDED WITH: PARKED AIRCRAFT LAST ENROUTE STOP KETCHIKAN, AK PHASE OF OPERATION TAXI: OTHER PROBABLE CAUSE(S) PILOT IN COMMAND - STARTED ENGINE WITHOUT PROPER ASSISTANCE/EQUIPMENT REMARKS- STARTED ENGS ON WTR WHILE UNTIED FM DOCK. DEHAVILLAND DHC-2, N64395, SUBSTANTIALLY DMGD.						

## BRIEFS OF ACCIDENTS

FILE	DATE	LOCATION	AIRCRAFT DATA	INJURIES F S M/N	FLIGHT PURPOSE	PILOT DATA
G-0002	6/10/81	ATLANTIC CITY,NJ	DEHAVILLAND DHC-7	CR- 0 0 2	MISCELLANEOUS	CERTIFICATE OTHER, AGE
	TIME - 1151		C-GNBX-X	PX- 0 0 7	EXPERIMENTATION	58, 13000 TOTAL HOURS,
			DAMAGE-MINOR			1800 IN TYPE, INSTRUMENT
						RATED.
		NAME OF AIRPORT - NAFEC				
		DEPARTURE POINT	INTENDED DESTINATION			
		ATLANTIC CITY,NJ	LOCAL			
		TYPE OF ACCIDENT			PHASE OF OPERATION	
		WHEELS-UP			LANDING: LEVEL OFF/TOUCHDOWN	
		PROBABLE CAUSE(S)				
		COPILOT - FAILED TO EXTEND LANDING GEAR				
		PILOT IN COMMAND - INADEQUATE SUPERVISION OF FLIGHT				
		FACTOR(S)				
		AIRFRAME - LANDING GEAR: LANDING GEAR WARNING AND INDICATING COMPONENTS				
		MISCELLANEOUS ACTS,CONDITIONS - ERRATIC				
		REMARKS- LOW APCH TO RWY31,CIRCLED TO LAND RWY26.ONE GR WARNING SYSTEM INOP,OTHER INTERMITTENT OPERATION.				

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