

```
In [274]: import csv
import pandas as pd
import numpy as np
```

## Tasks for Step 1

```
In [275]: # TODO: Load airports.dat.txt into a dataframe called airports_df
airports_df=pd.read_csv("airports.dat.txt", names=['airport_id', 'airport_name', 'city', 'country', 'iata_ffa', 'icao','latitude', 'longitude', 'altitude', 'timezone','dst','tz'])
```

```
In [276]: airlines_df=pd.read_csv("airlines.dat.txt", names=['airline_id', 'airline_name', 'airline_alias', 'iata', 'icao','airline_callsign', 'country', 'active'])
```

```
In [277]: routes_df=pd.read_csv("routes.dat.txt", names=['airline_iata_icao', 'airline_id', 'source_airport_iata_icao', 'source_airport_id', 'destination_iata_icao','destination_airport_id', 'codeshare', 'number_of_stops','Equipments'])
```

```
In [278]: flights_df=pd.read_csv("On_Time_On_Time_Performance_2016_10.csv", usecols=['Year','Month','DayofMonth','AirlineID','Carrier','FlightNum', 'Origin','Dest','ArrDelayMinutes','Cancelled'])
```

## Step 1.1

```
In [279]: airports_df
```

Out[279]:

	airport_id	airport_name	city	country	iata_ffa	icao	latitude
0	1	Goroka	Goroka	Papua New Guinea	GKA	AYGA	-6.081689
1	2	Madang	Madang	Papua New Guinea	MAG	AYMD	-5.207083
2	3	Mount Hagen	Mount Hagen	Papua New Guinea	HGU	AYMH	-5.826789
3	4	Nadzab	Nadzab	Papua New Guinea	LAE	AYNZ	-6.569828
4	5	Port Moresby Jacksons Intl	Port Moresby	Papua New Guinea	POM	AYPY	-9.443383
5	6	Wewak Intl	Wewak	Papua New Guinea	WWK	AYWK	-3.583828
6	7	Narsarsuaq	Narssarssuaq	Greenland	UAK	BGBW	61.160517
7	8	Nuuk	Godthaab	Greenland	GOH	BGGH	64.190922
8	9	Sondre Stromfjord	Sondrestrom	Greenland	SFJ	BGSF	67.016969
9	10	Thule Air Base	Thule	Greenland	THU	BGTL	76.531203
10	11	Akureyri	Akureyri	Iceland	AEY	BIAR	65.659994
11	12	Egilsstadir	Egilsstadir	Iceland	EGS	BIEG	65.283333
12	13	Hornafjordur	Hofn	Iceland	HFN	BIHN	64.295556
13	14	Husavik	Husavik	Iceland	HZK	BIHU	65.952328
14	15	Isafjordur	Isafjordur	Iceland	IFJ	BIIS	66.058056
15	16	Keflavik International Airport	Keflavik	Iceland	KEF	BIKF	63.985000
16	17	Patreksfjordur	Patreksfjordur	Iceland	PFJ	BIPA	65.555833
17	18	Reykjavik	Reykjavik	Iceland	RKV	BIRK	64.130000
18	19	Siglufjordur	Siglufjordur	Iceland	SIJ	BISI	66.133333
19	20	Vestmannaeyjar	Vestmannaeyjar	Iceland	VEY	BIVM	63.424303
20	21	Sault Ste Marie	Sault Sainte Marie	Canada	YAM	CYAM	46.485001

	airport_id	airport_name	city	country	iata_ffa	icao	latitude
21	22	Winnipeg St Andrews	Winnipeg	Canada	YAV	CYAV	50.056389
22	23	Shearwater	Halifax	Canada	YAW	CYAW	44.639721
23	24	St Anthony	St. Anthony	Canada	YAY	CYAY	51.391944
24	25	Tofino	Tofino	Canada	YAZ	CYAZ	49.082222
25	26	Kugaaruk	Pelly Bay	Canada	YBB	CYBB	68.534444
26	27	Baie Comeau	Baie Comeau	Canada	YBC	CYBC	49.132500
27	28	Bagotville	Bagotville	Canada	YBG	CYBG	48.330555
28	29	Baker Lake	Baker Lake	Canada	YBK	CYBK	64.298889
29	30	Campbell River	Campbell River	Canada	YBL	CYBL	49.950832
...	...	...	...	...	...	...	...
8077	9512	Port of Seattle	Seattle	United States	NaN	PSEA	47.609178
8078	9513	Ferry Terminal	Whittier	United States	NaN	WHIT	60.776566
8079	9514	Ferry Terminal	Valdez	United States	NaN	VLDZ	61.123976
8080	9515	Gare Routiere	Saint-Louis	Reunion	NaN	STLS	-21.289604
8081	9516	Bus Stop	La Riviere	Reunion	NaN	LRIV	-21.272574
8082	9517	Bus Stop	Cilaos	Reunion	NaN	CILS	-21.135518
8083	9518	Bus Stop	Hell-Bourg	Reunion	NaN	HLBG	-21.064020
8084	9519	Bus Stop	Salazie	Reunion	NaN	SLZI	-21.027485
8085	9520	Gare	St Andre	Reunion	NaN	ANDR	-20.963272
8086	9521	L'Ocean Bus Terminal	Saint Denis	Reunion	NaN	SDNS	-20.877683
8087	9522	Gare Routiere	Saint Pierre	Reunion	NaN	STPR	-21.334240
8088	9523	Baie Ste Anne	Praslin	Seychelles	NaN	PLIN	-4.347119
8089	9524	La Passe	La Digue	Seychelles	NaN	LADG	-4.347969
8090	9525	Ferry Dock	Bainbridge Island	United States	NaN	BAIN	47.622237
8091	9526	Bus	Phnom Penh	Cambodia	NaN	PNMP	11.561716
8092	9527	Bus	Siem Reap	Cambodia	NaN	SMRP	13.361002
8093	9528	Bus	Sihanoukville	Cambodia	NaN	SNKV	10.607220
8094	9529	Bus	Kampot	Cambodia	NaN	KMPT	10.614922

	airport_id	airport_name	city	country	iata_ffa	icao	latitude
<b>8095</b>	9530	Bus	Kep	Cambodia	NaN	KEPC	10.480174
<b>8096</b>	9531	Main Station	Taipei	Taiwan	NaN	TPEI	25.046176
<b>8097</b>	9532	Prominent Hill	Prominent Hill	Australia	PXH	YPMH	-29.716667
<b>8098</b>	9533	Chatsworth Station	Chatsworth	United States	CWT	\N	34.256944
<b>8099</b>	9534	Algerciras Port	Algerciras	Spain	NaN	\N	36.136000
<b>8100</b>	9535	Ganges Water Aerodrome	Ganges	Canada	YGG	\N	48.850000
<b>8101</b>	9536	Pender Harbour Water Aerodrome	Pender Harbour	Canada	YPT	\N	49.616667
<b>8102</b>	9537	Mansons Landing Water Aerodrome	Mansons Landing	Canada	YMU	\N	50.066667
<b>8103</b>	9538	Port McNeill Airport	Port McNeill	Canada	YMP	\N	50.575556
<b>8104</b>	9539	Sullivan Bay Water Aerodrome	Sullivan Bay	Canada	YTG	\N	50.883333
<b>8105</b>	9540	Deer Harbor Seaplane	Deer Harbor	United States	DHB	\N	48.618397
<b>8106</b>	9541	San Diego Old Town Transit Center	San Diego	United States	OLT	\N	32.755200

8107 rows × 12 columns

```
In [280]: # Output airlines_df  
airlines_df
```

Out[280]:

	airline_id	airline_name	airline_alias	iata	icao	airline_callsign	country	activ
0	1	Private flight	\N	-	NaN	NaN	NaN	Y
1	2	135 Airways	\N	NaN	GNL	GENERAL	United States	N
2	3	1Time Airline	\N	1T	RNX	NEXTIME	South Africa	Y
3	4	2 Sqn No 1 Elementary Flying Training School	\N	NaN	WYT	NaN	United Kingdom	N
4	5	213 Flight Unit	\N	NaN	TFU	NaN	Russia	N
5	6	223 Flight Unit State Airline	\N	NaN	CHD	CHKALOVSK-AVIA	Russia	N
6	7	224th Flight Unit	\N	NaN	TTF	CARGO UNIT	Russia	N
7	8	247 Jet Ltd	\N	NaN	TWF	CLOUD RUNNER	United Kingdom	N
8	9	3D Aviation	\N	NaN	SEC	SECUREX	United States	N
9	10	40-Mile Air	\N	Q5	MLA	MILE-AIR	United States	Y
10	11	4D Air	\N	NaN	QRT	QUARTET	Thailand	N
11	12	611897 Alberta Limited	\N	NaN	THD	DONUT	Canada	N
12	13	Ansett Australia	\N	AN	AAA	ANSETT	Australia	Y
13	14	Abacus International	\N	1B	NaN	NaN	Singapore	Y
14	15	Abelag Aviation	\N	W9	AAB	ABG	Belgium	N
15	16	Army Air Corps	\N	NaN	AAC	ARMYAIR	United Kingdom	N
16	17	Aero Aviation Centre Ltd.	\N	NaN	AAD	SUNRISE	Canada	N
17	18	Aero Servicios Ejecutivos Internacionales	\N	NaN	SII	ASEISA	Mexico	N
18	19	Aero Biniza	\N	NaN	BZS	BINIZA	Mexico	N
19	20	Aero Albatros	\N	NaN	ABM	ALBATROS ESPANA	Spain	N

	airline_id	airline_name	airline_alias	iata	icao	airline_callsign	country	activ
20	21	Aigle Azur	\N	ZI	AAF	AIGLE AZUR	France	Y
21	22	Aloha Airlines	\N	AQ	AAH	ALOHA	United States	Y
22	23	Alaska Island Air	\N	NaN	AAK	ALASKA ISLAND	United States	N
23	24	American Airlines	\N	AA	AAL	AMERICAN	United States	Y
24	25	Aviation Management Corporation	\N	NaN	AAM	AM CORP	United States	N
25	26	Atlantis Airlines (USA)	\N	NaN	AAO	ATLANTIS AIR	United States	N
26	27	Aerovista Airlines	\N	NaN	AAP	AEROVISTA GROUP	United Arab Emirates	N
27	28	Asiana Airlines	\N	OZ	AAR	ASIANA	Republic of Korea	Y
28	29	Askari Aviation	\N	4K	AAS	AL-AAS	Pakistan	Y
29	30	Australia Asia Airlines	\N	NaN	AAU	AUSTASIA	Australia	N
...	...	...	...	...	...	...	...	...
6018	19651	CARICOM AIRWAYS (BARBADOS) INC.	CARICOM AIRWAYS	NaN	CCB	NaN	Barbados	Y
6019	19674	Rainbow Air (RAI)	Rainbow Air (RAI)	RN	RAB	Rainbow	United States	Y
6020	19675	Rainbow Air Canada	Rainbow Air CAN	RY	RAY	Rainbow CAN	Canada	Y
6021	19676	Rainbow Air Polynesia	Rainbow Air POL	RX	RPO	Rainbow Air	United States	Y
6022	19677	Rainbow Air Euro	Rainbow Air EU	RU	RUE	Rainbow Air	United Kingdom	Y
6023	19678	Rainbow Air US	Rainbow Air US	RM	RNY	Rainbow Air	United States	Y
6024	19745	Transilvania	NaN	NaN	TNS	NaN	Romania	Y
6025	19751	Dobrolet	Добролёт	QD	DOB	DOBROLET	Russia	Y



	airline_id	airline_name	airline_alias	iata	icao	airline_callsign	country	activ
6026	19774	Spike Airlines	Aero Spike	S0	SAL	Spike Air	United States	Y
6027	19776	Grand Cru Airlines	NaN	NaN	GCA	NaN	Lithuania	Y
6028	19785	Go2Sky	NaN	NaN	RLX	RELAX	Slovakia	Y
6029	19803	All Argentina	All Argentina	L1	AL1	NaN	Argentina	Y
6030	19804	All America	All America	A2	AL2	NaN	United States	Y
6031	19805	All Asia	All Asia	L9	AL3	NaN	China	Y
6032	19806	All Africa	All Africa	9A	99F	NaN	South Africa	Y
6033	19807	Regionalia México	Regionalia México	N4	J88	NaN	Mexico	Y
6034	19808	All Europe	All Europe	N9	N99	NaN	United Kingdom	Y
6035	19809	All Spain	All Spain	N7	N77	NaN	Spain	Y
6036	19810	Regional Air Iceland	Regional Air Iceland	9N	N78	NaN	Iceland	Y
6037	19811	British Air Ferries	NaN	??	??!	NaN	United Kingdom	N
6038	19812	Voestar	Voestar Brasil	8K	K88	NaN	Brazil	Y
6039	19813	All Colombia	All Colombia	7O	7KK	NaN	Colombia	Y
6040	19814	Regionalia Uruguay	Regionalia Uruguay	2X	2K2	NaN	Uruguay	Y
6041	19815	Regionalia Venezuela	Regionalia Venezuela	9X	9XX	NaN	Venezuela	Y
6042	19827	Regionalia Chile	Regionalia Chile	9J	CR1	NaN	Chile	Y
6043	19828	Vuela Cuba	Vuela Cuba	6C	6CC	NaN	Cuba	Y
6044	19830	All Australia	All Australia	88	8K8	NaN	Australia	Y
6045	19831	Fly Europa	NaN	ER	RWW	NaN	Spain	Y
6046	19834	FlyPortugal	NaN	PO	FPT	FlyPortugal	Portugal	Y
6047	19845	FTI Fluggesellschaft	NaN	NaN	FTI	NaN	Germany	N

6048 rows × 8 columns

```
In [281]: # Output routes_df  
routes_df
```

Out[281]:

	airline_iata_icao	airline_id	source_airport_iata_icao	source_airport_id	destination
0	2B	410	AER	2965	KZN
1	2B	410	ASF	2966	KZN
2	2B	410	ASF	2966	MRV
3	2B	410	CEK	2968	KZN
4	2B	410	CEK	2968	OVV
5	2B	410	DME	4029	KZN
6	2B	410	DME	4029	NBC
7	2B	410	DME	4029	TGK
8	2B	410	DME	4029	UUA
9	2B	410	EGO	6156	KGD
10	2B	410	EGO	6156	KZN
11	2B	410	GYD	2922	NBC
12	2B	410	KGD	2952	EGO
13	2B	410	KZN	2990	AER
14	2B	410	KZN	2990	ASF
15	2B	410	KZN	2990	CEK
16	2B	410	KZN	2990	DME
17	2B	410	KZN	2990	EGO
18	2B	410	KZN	2990	LED
19	2B	410	KZN	2990	SVX
20	2B	410	LED	2948	KZN
21	2B	410	LED	2948	NBC
22	2B	410	LED	2948	UUA
23	2B	410	MRV	2962	ASF
24	2B	410	NBC	6969	DME
25	2B	410	NBC	6969	GYD
26	2B	410	NBC	6969	LED
27	2B	410	NBC	6969	SVX
28	2B	410	NJC	2972	SVX
29	2B	410	NJC	2972	UUA
...	...	...	...	...	...
67633	ZL	4178	SYD	3361	ABX

	airline_iata_icao	airline_id	source_airport_iata_icao	source_airport_id	destination
67634	ZL	4178	SYD	3361	ARM
67635	ZL	4178	SYD	3361	BHQ
67636	ZL	4178	SYD	3361	BHS
67637	ZL	4178	SYD	3361	BNK
67638	ZL	4178	SYD	3361	DBO
67639	ZL	4178	SYD	3361	GFF
67640	ZL	4178	SYD	3361	LSY
67641	ZL	4178	SYD	3361	MIM
67642	ZL	4178	SYD	3361	SQL
67643	ZL	4178	SYD	3361	MYA
67644	ZL	4178	SYD	3361	NRA
67645	ZL	4178	SYD	3361	NTL
67646	ZL	4178	SYD	3361	OAG
67647	ZL	4178	SYD	3361	PKE
67648	ZL	4178	SYD	3361	TRO
67649	ZL	4178	SYD	3361	WGA
67650	ZL	4178	TRO	6794	GFN
67651	ZL	4178	TRO	6794	SYD
67652	ZL	4178	TSV	3330	ISA
67653	ZL	4178	TSV	3330	WIN
67654	ZL	4178	WGA	3363	MEL
67655	ZL	4178	WGA	3363	SYD
67656	ZL	4178	WIN	6337	LRE
67657	ZL	4178	WIN	6337	TSV
67658	ZL	4178	WYA	6334	ADL
67659	ZM	19016	DME	4029	FRU
67660	ZM	19016	FRU	2912	DME
67661	ZM	19016	FRU	2912	OSS
67662	ZM	19016	OSS	2913	FRU

67663 rows × 9 columns

```
In [282]: # Output flights_df  
flights_df
```

Out[282]:

	Year	Month	DayofMonth	AirlineID	Carrier	FlightNum	Origin	Dest	ArrDelayM
0	2016	10	3	19805	AA	1	BOS	JFK	0.0
1	2016	10	4	19805	AA	1	BOS	JFK	0.0
2	2016	10	1	19805	AA	1	JFK	LAX	0.0
3	2016	10	2	19805	AA	1	JFK	LAX	18.0
4	2016	10	3	19805	AA	1	JFK	LAX	0.0
5	2016	10	4	19805	AA	1	JFK	LAX	0.0
6	2016	10	5	19805	AA	1	JFK	LAX	0.0
7	2016	10	6	19805	AA	1	JFK	LAX	0.0
8	2016	10	7	19805	AA	1	JFK	LAX	0.0
9	2016	10	8	19805	AA	1	JFK	LAX	0.0
10	2016	10	9	19805	AA	1	JFK	LAX	0.0
11	2016	10	10	19805	AA	1	JFK	LAX	0.0
12	2016	10	11	19805	AA	1	JFK	LAX	0.0
13	2016	10	12	19805	AA	1	JFK	LAX	10.0
14	2016	10	13	19805	AA	1	JFK	LAX	0.0
15	2016	10	14	19805	AA	1	JFK	LAX	0.0
16	2016	10	15	19805	AA	1	JFK	LAX	0.0
17	2016	10	16	19805	AA	1	JFK	LAX	0.0
18	2016	10	17	19805	AA	1	JFK	LAX	0.0
19	2016	10	18	19805	AA	1	JFK	LAX	0.0
20	2016	10	19	19805	AA	1	JFK	LAX	0.0
21	2016	10	20	19805	AA	1	JFK	LAX	0.0
22	2016	10	21	19805	AA	1	JFK	LAX	0.0
23	2016	10	22	19805	AA	1	JFK	LAX	0.0
24	2016	10	23	19805	AA	1	JFK	LAX	27.0
25	2016	10	24	19805	AA	1	JFK	LAX	23.0
26	2016	10	25	19805	AA	1	JFK	LAX	0.0
27	2016	10	26	19805	AA	1	JFK	LAX	0.0
28	2016	10	27	19805	AA	1	JFK	LAX	0.0
29	2016	10	28	19805	AA	1	JFK	LAX	0.0
...	...	...	...	...	...	...	...	...	...
472596	2016	10	25	21171	VX	12	SFO	JFK	0.0

	Year	Month	DayofMonth	AirlineID	Carrier	FlightNum	Origin	Dest	ArrDelayM
472597	2016	10	25	21171	VX	161	EWR	LAX	2.0
472598	2016	10	25	21171	VX	162	LAX	EWR	0.0
472599	2016	10	25	21171	VX	165	EWR	LAX	0.0
472600	2016	10	25	21171	VX	166	LAX	EWR	20.0
472601	2016	10	25	21171	VX	169	EWR	LAX	0.0
472602	2016	10	25	21171	VX	170	LAX	EWR	11.0
472603	2016	10	25	21171	VX	1742	SFO	SEA	0.0
472604	2016	10	25	21171	VX	1747	SEA	SFO	NaN
472605	2016	10	25	21171	VX	174	SFO	EWR	0.0
472606	2016	10	25	21171	VX	1780	SEA	LAX	3.0
472607	2016	10	25	21171	VX	182	SFO	EWR	36.0
472608	2016	10	25	21171	VX	183	EWR	SFO	30.0
472609	2016	10	25	21171	VX	187	EWR	SFO	31.0
472610	2016	10	25	21171	VX	1930	SFO	LAX	0.0
472611	2016	10	25	21171	VX	1935	LAX	SFO	178.0
472612	2016	10	25	21171	VX	193	EWR	SFO	96.0
472613	2016	10	25	21171	VX	1946	SFO	LAX	NaN
472614	2016	10	25	21171	VX	1	SFO	DCA	0.0
472615	2016	10	25	21171	VX	201	ORD	SFO	2.0
472616	2016	10	25	21171	VX	202	SFO	ORD	1.0
472617	2016	10	25	21171	VX	204	SFO	ORD	0.0
472618	2016	10	25	21171	VX	205	ORD	SFO	9.0
472619	2016	10	25	21171	VX	210	SFO	ORD	116.0
472620	2016	10	25	21171	VX	211	ORD	SFO	83.0
472621	2016	10	25	21171	VX	218	SFO	AUS	64.0
472622	2016	10	25	21171	VX	219	AUS	SFO	2.0
472623	2016	10	25	21171	VX	219	SFO	PDX	20.0
472624	2016	10	25	21171	VX	221	AUS	SFO	155.0
472625	2016	10	25	21171	VX	222	SFO	AUS	130.0

472626 rows × 10 columns



## Step 1.2

```
In [283]: from bs4 import BeautifulSoup

input_html = "aircraft_incidents.htm"
with open(input_html, "r") as ifile:
    soup = BeautifulSoup(ifile, 'html5lib')
```

```
In [284]: # TODO: Select Year and Incident description. It can be seen that they are usually <h3> or <li> tags.

# Assign the results to variable selected_data
tags=soup.find_all(['h3','li'])
temp=[]
for i in tags:
    temp.append(i.get_text())
selected_data='\n'.join(temp)
```

```
In [285]: # TODO: Check if all tags have been removed
# Output 'No Tag Found!' if no tags
if BeautifulSoup(selected_data,'html.parser').find()==True:
    print ("error")
else:
    print("No tag found")
```

No tag found

```
In [286]: # TODO: Output selected_data  
selected_data
```

Out[286]: '1919[edit]\nJuly 21 – The Goodyear dirigible Wingfoot Air Express catches fire and crashes into the Illinois Trust and Savings Building in Chicago, Illinois, while carrying passengers to a local amusement park, killing thirteen people: three out of the five on board and ten others on the ground, with 27 others on the ground being injured.\nAugust 2 – A Caproni Ca.48 crashes at Verona, Italy, during a flight from Venice to Taliedo, Milan, killing all on board (14, 15, or 17 people, according to different sources).\n1920[edit]\nDecember 14 – A Handley Page Transport Handley Page O/400 hits a tree and crashes at Golders Green, London, after failing to gain height following takeoff, killing four out of eight on board.\n1922[edit]\nApril 7 – In the first mid-air collision of airliners, a de Havilland DH.18A, G-EAWO, operated by Daimler Hire Ltd., collides with a Farman F.60 Goliath, F-GEAD, operated by Compagnie des Grands Express Aériens (CGEA), over the Thieulloy-St. Antoine road near Picardie, France, killing all seven people on both aircraft.\n1923[edit]\nMay 14 – An Air Union Farman F.60 Goliath crashes near Monsures, Somme, France, due to the structural failure of a wing, killing all six on board.\nAugust 27 – An Air Union Farman F.60 Goliath crashes near East Mallington, Kent, England, due to engine failure, and confusion among the passengers, killing one of 13 on board.\nSeptember 14 – A Daimler Airway de Havilland DH.34 crashes at Ivinghoe, Buckinghamshire, England, after stalling while attempting an emergency landing, killing all five on board.\n1924[edit]\nDecember 24 – An Imperial Airways de Havilland DH.34 crashes near Purley, Surrey, England, due to a stall during an attempted emergency landing in response to an unknown mechanical defect, killing all eight on board.\n1926[edit]\nAugust 18 – An Air Union Blériot 155 crashes while attempting an emergency landing at College Farm, Hurst, Aldington, England, due to engine failure, killing three of 15 on board; the pilot initially survives, but dies a day later.\nOctober 2 – An Air Union Blériot 155 catches fire in mid-air and crashes at Leigh, Kent, England, while the pilot attempts to make an emergency landing at Penshurst Airfield. Both members of crew and all five passengers are killed. This is the first in-flight fire occurring on an airliner.\n1927[edit]\nAugust 22 – A KLM Fokker F. VIII crashes near Sevenoaks, Kent, England, due to structural failure of the tailfin, killing one of 11 on board.\n1928[edit]\nJuly 13 – An Imperial Airways Vickers Vulcan crashes on a test flight from Croydon Airport, England, with a pilot and five passengers near Purley, Surrey, 3 miles (4.8\xa0km) from the airport, with the loss of four passengers. As a result of the crash Imperial Airways stopped the flying of staff (so-called joy rides) on test flights.\n1929[edit]\nJune 17 – An Imperial Airways Handley Page W.10 ditches in the English Channel due to engine failure, killing seven of 13 on board.\nNovember 6 – A Junkers G 24 crashes near Marden Park, Godstone, Surrey, England; of the 8 on board; only one passenger survives.\n1930[edit]\nFebruary 10 – An Air Union Farman F.63 Goliath crashes during an emergency landing at Marden Airfield, Marden, Kent, England, following failure of the right tailplane, killing two of six on board.\nOctober 5 – On its maiden voyage from England to British India, the British civil airship R101 crashes and burns in Allonville, Oise, France, while flying at low altitude at night in a rainstorm, killing 48 out of 54 on board, the worst civil airship disaster in history.\n1931[edit]\nMarch 21 – An Australian National Airways Avro 618 Ten, Southern Cloud, disappears in severe weather on a flight from Sydney to Melbourne, killing all eight on board in Australia's first significant airline disaster; the crash site in the Snowy Mountains remains undiscovered until 1958.\nMarch 31 – A Transcontinental & Western Air Fokker F-10 Trimotor crashes near Bazaar, Kansas, after a wing breaks off in flight, killing all eight aboard.

rd, including University of Notre Dame football coach Knute Rockne.\n1933[edit]\nMarch 28 – The 1933 Imperial Airways Dixmude crash in Belgium of an Armstrong Whitworth Argosy II is the first suspected case of air sabotage; all 15 on board are killed.\nOctober 10 – The United Airlines crash near Chesterton: a Boeing 247 is destroyed by a bomb over Chesterton, Indiana, United States, in the first proven case of air sabotage on a commercial aircraft; all seven on board are killed.\nDecember 30 – In the 1933 Imperial Airways Ruyselede crash in Belgium, an Avro Ten collides with a radio mast, killing all 10 on board.\n1934[edit]\nFebruary 23 – A United Air Lines Boeing 247 crashes into a Utah canyon in bad weather, killing all eight on board.\nMay 9 – An Air France Wibault 282 T crashes into the English Channel off Dungeness, Kent, killing all six on board.\nJuly 27 – A Swissair Curtiss T-32 Condor II crashes near Tuttingen, Germany, after a wing separates in a thunderstorm, killing all 12 passengers and crew on board.\nOctober 2 – A Hillman's Airways de Havilland Dragon Rapide crashes into the English Channel off Folkestone, Kent, due to pilot error, killing all seven on board.\n1935[edit]\nMay 6 – TWA Flight 6, a Douglas DC-2 flying from Albuquerque, New Mexico, to Kansas City, Missouri, flying at low altitude through poor visibility at night while desperately low on fuel, crashes near Atlanta, Missouri, killing five out of thirteen on board, including a U.S. Senator. The political aftermath transforms U.S. civil air regulation.\nOctober 7 – United Airlines Trip 4, a Boeing 247D, crashes near Silver Crown, Wyoming, United States, due to pilot error; all 12 on board die.\nDecember 10 – A SABENA Savoia-Marchetti S.73 crashes near Tatsfield, Surrey, England, due to pilot error, killing all 11 on board.\n1936[edit]\nJanuary 14 – American Airlines Flight 1, a Douglas DC-2, crashes into a swamp near Goodwin, Arkansas, killing all 17 passengers and crew on board; the cause is never determined.\nApril 7 – TWA Flight 1, a Douglas DC-2, crashes near Uniontown, Pennsylvania, United States, due to pilot error, killing 12 of the 14 passengers and crew aboard.\nJune 16 – In the Havørn Accident, a Norwegian Air Lines Junkers Ju 52 crashes into Lihesten mountain in Hyllestad, Norway, killing all seven on board.\nAugust 5 – Chicago and Southern Flight 4, a Lockheed Model 10 Electra, crashes after takeoff due to pilot error, killing all eight on board.\nDecember 9 – A KLM Douglas DC-2 crashes on takeoff from Croydon Airport, England; 15 of 17 on board die.\nDecember 27 – United Airlines Trip 34, a Boeing 247, crashes at Rice Canyon (near Newhall, California, United States) due to pilot error, killing all 12 on board.\n1937[edit]\nJanuary 12 – Western Air Express Flight 7, a Boeing 247, crashes into a mountain near Newhall, California, United States. Five of the 13 people aboard die, including famed adventurer, author and filmmaker, Martin Johnson.\nFebruary 19 – An Australian National Airways Stinson Model A suffers controlled flight into terrain in Queensland, killing four of the seven people on board.\nMay 6 – The Zeppelin Hindenburg bursts into flames and crashes while attempting a landing at Naval Air Engineering Station, Lakehurst, New Jersey, United States; of the 97 people on board, 35 are killed; one person on the ground also dies.\nNovember 16 – A Sabena Junkers Ju 52 crashes near Ostend, Belgium, killing all 11 on board, including the Grand Duke Georg Donatus and Grand Duchess Cecilie of Hesse.\n1938[edit]\nJanuary 10 – Northwest Airlines Flight 2, a Lockheed L14H Super Electra, crashes near Bozeman, Montana, United States, killing all 10 on board; the machine with which the manufacturer measured component vibration is found to be inaccurate, causing the aircraft to be more prone to flutter than thought.\nJanuary 11 – Pan American World Airways Flight 1, a Sikorsky S-42 flying boat named the Samoan Clipper, explodes over Pago Pago, American Samoa; all seven on board die.\nMarch 1 – The 1938

Yosemite TWA crash: A Douglas DC-2 disappears on a flight from San Francisco to Winslow, Arizona, United States; the aircraft is found three months later on a mountain in Yosemite National Park; all nine on board die.

July 28 – Pan American World Airways Flight 229, a Martin M-130 flying boat named the Hawaii Clipper, disappears in the Pacific Ocean westbound from Guam to Manila with six passengers and nine crew.

October 25 – Kyeema, an Australian National Airways Douglas DC-2 crashes in heavy fog into Mount Dandenong in Victoria, Australia, killing all 18 people on board.

November 4 – In the 1938 Jersey Airport disaster, a Jersey Airways de Havilland DH.86 crashes on takeoff from Jersey Airport due to pilot error; all 13 passengers and crew die as well as one person on the ground.

1939[edit]

January 13 – Northwest Airlines Flight 1, a Lockheed L14H Super Electra, crashes on descent to Miles City, Montana, United States, killing all four on board; the aircraft's cross-feed fuel valve leaked fuel into the cockpit and an intense fire broke out.

January 21 – Imperial Airways Short Empire flying boat Cavalier makes an emergency landing 285 nmi southeast of New York in the North Atlantic due to loss of power and later sinks; three of 12 on board die.

August 13 – A Pan Am Sikorsky S-43 crashes into Guanabara Bay, Brazil, due to loss of control following engine failure, killing 12 of 14 on board.

1940[edit]

June 14 – In the Kaleva shootdown, an Aero Junkers Ju 52 en route from Tallinn, Estonia to Helsinki, Finland, is shot down by two Soviet bombers over the Gulf of Finland during peacetime; all nine aboard die.

August 31 – In the Lovettsville air disaster, Pennsylvania Central Airlines Trip 19, a Douglas DC-3A, crashes at Lovettsville, Virginia, United States, killing all 25 on board.

November 8 – A Deutsche Luft Hansa Junkers Ju 90 crashes near Schönteichen, Saxony, Germany, after ice formed on the tail, killing all 29 passengers and crew on board.

1941[edit]

February 26 – Eastern Air Lines Flight 21, a Douglas DC-3, crashes while descending to land at Atlanta, Georgia, United States, killing eight of 16 aboard; World War I hero and Eastern Air Lines president Eddie Rickenbacker is among the survivors.

October 30 – Northwest Airlines Trip 5, a Douglas DC-3, crashed at Moorhead, Minnesota in fog due to icing; of the 15 on board, only pilot Clarence Bates survived.

American Airlines Flight 1 a Douglas DC-3, stalled and crashed at Lawrence Station, Ontario, Canada while attempting to find a place to land, killing all 20 on board; the cause of the crash was not determined.

1942[edit]

January 16 – TWA Flight 3, a Douglas DC-3 returning to California crashes into Potosi Mountain 30 miles (48 km) southwest of Las Vegas, Nevada, United States; all 22 aboard die, including actress Carol Lombard and her mother.

January 30 – Qantas Short Empire G-AEUH is shot down by seven Japanese fighters and crashes 13 nmi (24 km) from East Timor; 13 of 18 on board die.

March 3 – KNILM Douglas DC-3 PK-AFV is shot down by three Japanese fighters and crashes 50 nmi (80 km) north of Broome, Western Australia, killing four of 12 on board.

October 23 – American Airlines Flight 28, a Douglas DC-3, crashes near Palm Springs, California, United States, after being struck by a U.S. Army Air Corps Lockheed B-34 bomber; all 12 aboard the airliner die, while the bomber lands safely with minor damage.

1943[edit]

January 21 – Pan Am Flight 1104, a Martin M-130 nicknamed the Philippine Clipper, crashes into a mountain near Boonville, California, United States, killing all 19 passengers and crew, including Rear Admiral Robert H. English, Commander, Submarines, U.S. Pacific Fleet (COMSUBPAC).

June 1 – BOAC Flight 777, a Douglas DC-3, is shot down by Luftwaffe fighter aircraft over the Bay of Biscay, killing 17 passengers and crew on board.

July 28 – American Airlines Flight 63 (Flagship Ohio), a Douglas DC-3, loses control due to severe turbulence and violent downdrafts and crashes near

r Trammel, Kentucky, United States, killing 20 out of 22 people on board.\nOctober 15 – American Airlines Flight 63 (Flagship Missouri), a DC-3, crashes near Centerville, Tennessee, United States, killing all eight passengers and three crewmembers, after ice formed on its wings and propellers.\n1944[edit]\nFebruary 10 – American Airlines Flight 2, a Douglas DC-3, crashes into the Mississippi River between Arkansas and Tennessee, United States, for reasons unknown, killing all 24 occupants (21 passengers and three crew members).\nJune 20 – TWA Flight 277, a Douglas C-54 Skymaster, crashes into Fort Mountain, Maine, United States, in severe weather, killing all seven passengers and crew on board.\n1945[edit]\nJanuary 8 – The China Clipper, a Pan Am Martin M-130 flying boat operating as Flight 161, crashes in Port of Spain, Trinidad, killing all 25 on board.\nJanuary 31 – The Stinson Tokana operated by Australian National Airways crashes, killing all 10 on board. The accident was caused by a fatigue crack in a wing spar.\nJuly 12 – Eastern Air Lines Flight 45, a Douglas DC-3A, collides with a Douglas A-26 Invader over Florence, South Carolina, United States. One of the 24 on the DC-3 and one of the two on the A-26 die.\nOctober 5 – National Airlines Flight 16, a Lockheed L-18 Lodestar, overshoots the runway at Lakeland, Florida, United States, killing two of 15 on board.\nNovember 3 – The prototype Boeing 314, named the Honolulu Clipper, makes an emergency landing in the Pacific 650 miles east of Oahu due to double engine failure; the aircraft is intentionally sunk after salvage was deemed impractical; all 26 passengers on board survive.\n1946[edit]\nJanuary 6 – Pennsylvania Central Airlines Flight 105, a Douglas DC-3, crashes in Birmingham, Alabama, United States, killing three of the four crew members; the flight attendant and all 16 passengers survive.\nMarch 10 – The 1946 Australian National Airways DC-3 crash near Hobart, Tasmania, kills all 25 on board.\nJuly 11 – TWA Flight 513, a Lockheed L-049 Constellation, crashes near Reading, Pennsylvania, United States, after a fire in the baggage compartment; of the six crew on board, only one survives.\nAugust 7 – British European Airways Flight 530, a Douglas C-47, crashes into Mistberget mountain near Eidsvoll, Norway; killing three of five crew; all 10 passengers survived.\nOctober 3 – An American Overseas Airlines Douglas C-54 crashes into mountainous terrain after takeoff from Stephenville, Newfoundland, killing all 39 passengers and crew on board.\nNovember 14 – In the 1946 KLM Douglas DC-3 Amsterdam accident, a Douglas DC-3 crashes while attempting to land at Amsterdam Schiphol Airport in the Netherlands; all 26 passengers and crew on board are killed.\nDecember 28 – TWA Flight 6963, a Lockheed L-049 Constellation, crashes near Shannon Airport due to an inaccurate altimeter caused by maintenance errors, killing nine of 23 on board.\n1947[edit]\nJanuary 11 – The 1947 BOAC Douglas C-47 crash: a BOAC Douglas C-47A crashes into Barley Hill near Stowting, Kent, United Kingdom, due to fuel starvation, killing eight of 16 on board.\nJanuary 12 – Eastern Air Lines Flight 665 Douglas C-49 flies into high ground near Galax, Virginia, when the pilot loses his bearings, killing all but one of 19 aboard.\nJanuary 25 – In the 1947 Croydon Dakota accident, a Spencer Airways Douglas C-47A fails to get airborne at Croydon Airport, United Kingdom, and crashes into a parked ČSA aircraft; 12 of the 22 on board are killed.\nJanuary 26 – In the 1947 KLM Douglas DC-3 Copenhagen accident, a Douglas DC-3 crashes shortly after takeoff from Kastrup Airport in Denmark; all 22 passengers and crew on board are killed.\nFebruary 15 – An Avianca Douglas DC-4 crashes into Mount El Tabalazo due to pilot error, killing all 53 passengers and crew on board.\nMay 29 – United Airlines Flight 521, a Douglas DC-4, crashes on takeoff from LaGuardia Airport, New York, United States, due to pilot error; 42 of 48 on board die.\nMay 30 – Eastern Air Lines Flight 605,

a Douglas DC-4, loses control and crashes near Bainbridge, Maryland, United States, killing all 53 passengers and crew on board in the deadliest airliner crash in United States history at the time.

June 13 – Pennsylvania Central Airlines Flight 410, a Douglas DC-4, crashes into Lookout Rock, in the West Virginia Blue Ridge Mountains of the United States en route from Pittsburgh to Washington DC; all 50 passengers and crew are killed.

June 19 – Pan Am Flight 121, a Lockheed L-049 Constellation, crashes in the Syrian desert, en route from Karachi to Istanbul, killing 14 of the 36 on board.

August 2 – In the 1947 BSAA Star Dust accident, a British South American Airways Avro Lancastrian named Star Dust disappears over the Andes after transmitting an enigmatic coded message ("STENDEC"); the fate of the plane remained a mystery until the crash site was located in 2000; four crew and nine passengers are killed.

August 28 – In the Kvitbjørn disaster, a Norwegian Air Lines Short Sandringham flying boat struck a mountain near Lødingsfjellet, Norway, killing all 35 on board.

October 24 – United Airlines Flight 608, a Douglas DC-6, crashes near Bryce Canyon Airport, Utah, United States, when fire caused by a design flaw destroys the aircraft; all 52 on board die in the first hull loss of the DC-6.

October 26 – Pan Am Flight 923, a Douglas DC-4, struck Tamgas Mountain on Annette Island, Alaska, killing all 18 passengers and crew on board; the cause is never determined.

December 27 – In the 1947 Korangi Creek crash, an Air India Douglas DC-3 crashes shortly after takeoff, killing all 23 on board.

1948[edit]

January 30 – The BSAA Star Tiger disappearance: an Avro Tudor IV disappears without a trace en route from the Azores to Bermuda with 31 on board. The loss of the aircraft along with the 1949 BSAA Star Ariel disappearance remain unsolved to this day, with the resulting speculation helping to develop the Bermuda Triangle legend.

March 12 – Northwest Airlines Flight 4422, a Douglas C-54 Skymaster, crashes into Mount Sanford in the Alaska Territory, killing 30. Though the wreckage was initially found, it was inaccessible; it was later buried and not rediscovered until 1999.

April 5 – In the 1948 Gatow air disaster, a British European Airways Vickers VC.1 Viking crashes near RAF Gatow, Berlin after a collision with a Soviet Air Force Yakovlev Yak-3 fighter; all 14 people on board the Viking die, as well as the Soviet pilot.

April 15 – Pan Am Flight 1-10, a Lockheed Constellation, crashes while on approach to Shannon Airport, Ireland; of the 31 on board, only one survives.

April 21 – British European Airways Flight S200P, a Vickers VC.1 Viking, crashes into Irish Law Mountain in Scotland due to pilot error; all on board survive.

June 17 – United Airlines Flight 624, a Douglas DC-6, crashes near Mount Carmel, Pennsylvania, after errors in attempting to extinguish what was believed to have been an onboard fire; all 43 on board die.

July 4 – The Northwood mid-air collision between a Scandinavian Airlines System-operated Douglas DC-6 and an RAF Avro York kills all 39 passengers and crew on board both aircraft.

July 17 – Miss Macao, a Catalina seaplane operated by a Cathay Pacific subsidiary, over the Pearl River delta from Macau to Hong Kong, is hijacked with 23 passengers and three crew on board by a group attempting to rob the passengers; following a struggle in the cockpit, a crash kills all on board except one passenger, later identified as the lead hijacker; this is the earliest known airliner hijacking.

August 1 – In the 1948 Air France Latécoère 631 disappearance, a Latécoère 631 disappears over the Atlantic Ocean with the loss of all 52 people on board. This was the worst aviation accident in the Atlantic Ocean at the time and remains the worst ever involving the Latécoère 631.

August 29 – Northwest Airlines Flight 421, a Martin 2-0-2, crashes near Winona, Minnesota, due to structural failure of a wing, killing all 37 on board in the worst ever accident involving the Mar

tin 2-0-2. This crash is also the first loss of a 2-0-2.\nSeptember 2 – The 1948 Lutana crash; Australian National Airways Flight 331, a Douglas DC-3, crashes into high terrain near Nundle, New South Wales, killing all 13 people on board.\nOctober 2 – In the Bukken Bruse disaster, a Det Norske Luftfartsselskap Short Sandringham flying boat, crashes upon landing in Trondheim, Norway; 19 are killed; Bertrand Russell is among the 24 survivors.\nOctober 20 – In the 1948 KLM Constellation air disaster, a Lockheed Constellation named Nijmegen crashes near Prestwick, Scotland, killing 40.\nDecember 28 – In the 1948 Airborne Transport DC-3 (DST) disappearance, a Douglas DC-3 disappears without a trace off the coast of Florida with 32 on board.\n1949[edit]\nJanuary 17 – In the BSA A Star Ariel disappearance, a British South American Airways Avro Tudor IV disappears without a trace en route from Bermuda to Jamaica with 20 on board. The loss of the aircraft, along with the 1948 BSAA Star Tiger disappearance remain unsolved to this day, with the resulting speculation helping to develop the Bermuda Triangle legend.\nFebruary 19 – A British European Airways Douglas Dakota collides with a RAF Avro Anson over Exhall, Warwickshire, killing all 14 on board both aircraft.\nMarch 10 – A Queensland Airlines Lockheed Lodestar crashes on takeoff from Coolangatta airstrip, killing all 21 on board.\nMay 4 – In the Superga air disaster, an Italian Airlines Fiat G.212 CP carrying the Torino football team crashes into the Superga hills near Turin, killing all 31 on board.\nJune 7 – In the 1949 Strato-Freight Curtiss C-46A crash, a Curtiss Wright C-46A-50 Modified D, crashes into the Atlantic Ocean shortly after takeoff from San Juan, Puerto Rico. Of the 81 passengers and crew on board, 53 are killed.\nJuly 2 – A MacRobertson Miller Airlines Douglas DC-3 crashes on takeoff from Perth, Western Australia, killing all 18 on board.\nJuly 12 – Standard Air Lines Flight 897R, a Curtiss C-46, crashes at Chatsworth, California, due to pilot error, killing 35 of 48 on board.\nAugust 19 – A British European Airways Douglas DC-3 crashes into a hillside near Oldham, United Kingdom; of the 32 on board, only eight survive.\nSeptember 9 – Canadian Pacific Air Lines Flight 108, a Douglas DC-3, explodes over Cap Tourmente near Sault-au-Cochon, Quebec, due to a bomb planted by Albert Guay; all four crew members and 19 passengers on board are killed.\nOctober 28 – An Air France Lockheed Constellation crashes into a mountain on São Miguel Island, Azores, Portugal, killing all 48 people on board, including boxer Marcel Cerdan and violinist Ginette Neveu.\nNovember 1 – Eastern Air Lines Flight 537, a Douglas DC-4, on approach to Washington National Airport, suffers a mid-air collision with a Lockheed P-38; all 55 people on board the DC-4 die, including Congressman George J. Bates, New Yorker cartoonist Helen E. Hokinson, and former Congressman Michael J. Kennedy; the pilot and sole occupant of the P-38 is seriously injured.\nNovember 20 – In the Hurum air disaster, an Aero Holland Douglas DC-3 crashes near Hurum, Norway, killing 34 of the 35 on board, including 25 children.\nNovember 29 – American Airlines Flight 157, a Douglas DC-6, en route from New York City to Mexico City with 46 passengers and crew, veers off the runway and strikes buildings after the flight crew loses control on final approach to Dallas Love Field; 26 passengers and two flight attendants die.\n1950[edit]\nJanuary 5 – In the 1950 Sverdlovsk air disaster, a Lisunov Li-2 crashes near Sverdlovsk (now Yekaterinburg), Russia, killing all 19 on board.\nMarch 7 – Northwest Orient Airlines Flight 307, a Martin 2-0-2, crashes near Minneapolis–Saint Paul International Airport, after hitting a flagpole during approach, killing all 13 on board and two on the ground.\nMarch 12 – The Llandow air disaster: An Airflight Avro 689 Tudor V stalls and crashes after the rear cargo hold was overloaded, resulting in a center of gravity exceeding the aft limit; 80 out of the 83 people



on board die, at the time the worst air disaster in history.\n1950 Air France multiple Douglas DC-4 accidents:\n\nJune 12 – An Air France Douglas DC-4 (F-BBDE) on a flight from Saigon to Paris crashes in the Arabian Sea while on approach to Bahrain Airport, killing 46 of 52 on board.\nJune 14 – An Air France Douglas DC-4, F-BBDM, crashes in the Arabian Sea while on approach to Bahrain Airport, killing 40 of 53 on board. This aircraft was operating on the same flight route as F-BBDE.\n\nJune 12 – An Air France Douglas DC-4 (F-BBDE) on a flight from Saigon to Paris crashes in the Arabian Sea while on approach to Bahrain Airport, killing 46 of 52 on board.\nJune 14 – An Air France Douglas DC-4, F-BBDM, crashes in the Arabian Sea while on approach to Bahrain Airport, killing 40 of 53 on board. This aircraft was operating on the same flight route as F-BBDE.\nJune 24 – Northwest Orient Airlines Flight 2501, a Douglas DC-4, with 58 people on board, disappears without a trace over Lake Michigan.\nJune 26 – Australian National Airways Amana, a Douglas DC-4, crashes after takeoff from Perth Airport, killing all 29 people on board.\nAugust 31 – TWA Flight 903, a Lockheed L-749A Constellation, crashes because of an engine fire, in the desert about 65 miles (105\xa0km) NNW of Cairo, Egypt; all 55 on board are killed in the worst ever accident involving the Lockheed L-749.\nOctober 31 – A British European Airways Vickers VC.1 Viking crashes on the runway at London Heathrow Airport in foggy weather; of the 30 on board, only a stewardess and a passenger survive.\nNovember 3 – Air India Flight 245, a Lockheed L-749A Constellation, crashes into Mont Blanc in France; all 40 passengers and eight crew are killed. Sixteen years later, Air India Flight 101 crashes in almost exactly the same spot.\nNovember 13 – In the 1950 Tête de l'Obiou C-54 crash, a Douglas C-54 Skymaster operated by Curtiss Reid Flying Services crashes 30\xa0mi (48\xa0km) from Grenoble, France, on the Tête de l'Obiou mountain; all 52 passengers and crew die.\n1951[edit]\nApril 25 – Cubana de Aviación Flight 493, a Douglas DC-4 en route from Miami to Havana, collides in mid-air with a United States Navy Beech SNB-1 Kansan off Key West; all 43 aboard both aircraft are killed.\nJune 22 – Pan Am Flight 151, a Lockheed L-049 Constellation en route from Accra, Ghana (then the Gold Coast Territory) to Monrovia, Liberia, crashes into a hill near Sanoye in Bong County, Liberia, 54 miles (86\xa0km) from the airport; all 31 passengers and 6 crew members die.\nJune 30 – United Airlines Flight 610, a Douglas DC-6, flies into a mountain in Larimer County, Colorado, due to a navigational error; all 45 passengers and five crew members are killed.\nJuly 21 – A Canadian Pacific Airlines Douglas DC-4 disappears on a flight from Vancouver, British Columbia, Canada, to Tokyo, Japan; all 37 on board are presumed dead; the aircraft has never been found.\nAugust 24 – United Airlines Flight 615, a Douglas DC-6B, crashes near Decoto (now Union City, California), while on final approach to Oakland, California; all 44 passengers and six crew members die.\nNovember 15 – A LOT Polish Airlines Lisunov Li-2 crashes near Tuszyn shortly after takeoff due to engine failure, killing all 16 passengers and crew on board.\nDecember 16 – A Miami Airlines Curtiss C-46 Commando crashes at Elizabeth, New Jersey, after a loss of control following an engine fire, killing all 56 passengers and crew on board.\nDecember 22 – A Misrair SNCASE Languedoc crashes west of Tehran, killing all 20 people on board.\nDecember 29 – Continental Charters Flight 44-2, a Curtiss-Wright C-46, crashes into a ridge near Napoli, New York, while en route to Buffalo, New York; three crew members and 23 passengers die.\n1952[edit]\nJanuary 22 – American Airlines Flight 6780, a Convair CV-240, crashes on approach to Newark, New Jersey, into dwellings in Elizabeth, New Jersey, killing 30 and leading to the Doolittle Commission recommendation for laws coordinating urban zoning to keep airports

ort approach paths clear.\nFebruary 11 – National Airlines Flight 101, a Douglas DC-6 crashed into an apartment building in Elizabeth, New Jersey two minutes after departing Newark Airport.\nMarch 3 – An Air France SNCASE Languedoc crashes on takeoff from Nice, France, due to jammed controls. All 38 people on board are killed.\nApril 11 – Pan Am Flight 526A, a Douglas DC-4, suffers engine failure and is forced to ditch in the Atlantic 11\xa0mi (18\xa0km) north of San Juan, Puerto Rico; 52 of 69 on board die.\nApril 28 – Pan Am Flight 202, a Boeing 377 Stratocruiser, crashes after a propeller failure in a remote area of Brazil on its way from Buenos Aires, Argentina, to New York City via Rio de Janeiro; all 50 on board are killed in the worst ever accident involving the Boeing 377.\nJune 28 – American Airlines Flight 910, a Douglas DC-6 carrying 55 passengers and five crew collides with a Temco Swift private plane on final approach to Dallas Love Field, killing both occupants of the Swift; the DC-6 lands safely with no injuries to the passengers or crew.\nAugust 12 – A Transportes Aéreos Nacional Douglas C-47A explodes in mid-air on a domestic flight in Brazil; all 24 on board die.\nDecember 6 – A Cubana de Aviación Douglas DC-4 crashes into the Atlantic Ocean off Bermuda after failing to gain altitude after takeoff, killing 37 of 41 on board.\n1953[edit]\nJanuary 5 – In the 1953 Nutts Corner Viking accident, a British European Airways Vickers Viking crashes on approach to Belfast–Nutts Corner Airport, killing 27 of the 31 on board.\nFebruary 2 – In the 1953 Skyways Avro York disappearance, a plane with 39 on board disappears over the North Atlantic.\nJuly 12 – Transocean Air Lines Flight 512, a Douglas DC-6A, crashes in the Pacific Ocean while en route from Wake Island to Honolulu, Hawaii. All 58 passengers and crew are killed.\nAugust 3 – Air France Flight 152, a Lockheed L-749A Constellation ditched into the Mediterranean Sea while en route from Rome to Beirut after break-away of an engine. Four elderly passengers drowned.\nSeptember 1 – Air France Flight 178, a Lockheed Constellation, crashes into a mountain in southern France; all 42 on board are killed.\nSeptember 16 – American Airlines Flight 723, a Convair 240, crashes while on approach to Albany Airport; all 28 passengers and crew die.\nOctober 29 – BCPA Flight 304, a Douglas DC-6B, crashes into King's Mountain, southeast of Half Moon Bay, California, on its approach to San Francisco International Airport, killing all 11 on board.\n1954[edit]\nJanuary 10 – BOAC Flight 781, a de Havilland Comet flying from Rome to London on the last leg of a flight from Singapore, disintegrates in mid-air, when metal fatigue from repeated pressurization cycles compromises the fuselage, killing the 29 passengers and six crew.\nMarch 13 – A BOAC Lockheed L-749A Constellation crashes as it attempts to land at Kallang Airport, Singapore; of the 40 passengers and crew on board, 33 are killed.\nApril 8 – South African Airways Flight 201, a de Havilland Comet flying from Rome to Cairo bound for Johannesburg, disintegrates in mid-air, killing all 14 passengers and seven crew; as in BOAC Flight 781, the cause is metal fatigue at stress risers at the corners of the square windows in the aluminum skin.\nJuly 23 – The 1954 Cathay Pacific Douglas DC-4 shootdown: a Cathay Pacific Douglas DC-4 is attacked by two PLAAF La-7 fighters and crashes off Hainan Island, killing 10 of 19 on board.\nSeptember 5 – KLM Flight 633, a Lockheed L-1049 Super Constellation, ditches after takeoff from Shannon Airport in Ireland, killing 28 of 56 on board.\nDecember 25 – In the 1954 Prestwick air disaster a British Overseas Airways Corporation Boeing 377 Stratocruiser crashes on landing at Prestwick Airport, Scotland, 28 of the 36 onboard killed.\n1955[edit]\nJanuary 12 – TWA Flight 694, a Martin 2-0-2, collides with a privately owned Douglas DC-3 over Cincinnati, Ohio, killing all 15 on board both aircraft.\nFebruary 19 – TWA Flight 260, a Martin 4-0-4, crashes into t

he Sandia Mountains near Albuquerque, New Mexico, killing all 16 on board.  
March 26 – Pan Am Flight 845/26, a Boeing 377, ditches into the Pacific Ocean off the Oregon coast, killing four of the 23 on board.  
April 4 – A United Airlines Douglas DC-6 crashes after takeoff from Long Island MacArthur Airport, New York, killing all three on board.  
April 11 – An Air India Lockheed L-749 Constellation named Kashmir Princess explodes under suspicious circumstances; 16 people are killed and three survive.  
July 27 – El Al Flight 402, a Lockheed L-049 Constellation, inadvertently strays over Bulgarian territory on its way from Vienna to Tel Aviv, and is shot down by two Bulgarian fighter aircraft, killing all 58 on board.  
October 6 – United Airlines Flight 409, a Douglas DC-4, crashes into Medicine Bow Peak near Centennial, Wyoming, killing all 66 on board.  
November 1 – United Airlines Flight 629, a Douglas DC-6B, is bombed by Jack Gilbert Graham over Longmont, Colorado; all 44 on board are killed.  
1956[edit]  
February 18 – The 1956 Scottish Airlines Malta air disaster: a Scottish Airlines Avro York crashes near Żurrieq, Malta due to pilot error, killing all 50 on board.  
April 1 – TWA Flight 400, a Martin 4-0-4, crashes on takeoff at Greater Pittsburgh International Airport, killing 22 of the 36 on board; 14 survive.  
April 2 – Northwest Orient Airlines Flight 2, a Boeing 377 Stratocruiser, ditches into Puget Sound after takeoff from Seattle-Tacoma International Airport after the cowl flaps are incorrectly set for takeoff; four passengers and a flight attendant die.  
June 20 – Linea Aeropostal Flight 253, a Lockheed L-1049 Constellation, crashes into the Atlantic Ocean off Asbury Park, New Jersey. All 74 passengers and crew on board are killed.  
June 24 – In the 1956 BOAC Argonaut accident, a Canadair C-4 Argonaut, crashes shortly after taking off from Kano Airport, Nigeria, into a thunderstorm, killing 32 of the 38 passengers and three of the seven crew.  
June 30 – The 1956 Grand Canyon mid-air collision between United Airlines Flight 718, a DC-7 and TWA Flight 2, a Lockheed Constellation, over the Grand Canyon, kills all 128 aboard both aircraft; operating under Visual Flight Rules, the planes fail to see each other and collide; the Federal Aviation Administration is created in the aftermath.  
July 9 – Trans-Canada Air Lines Flight 304, a Vickers Viscount, sheds a propeller blade over Flat Rock, Michigan; the blade penetrates the passenger cabin, killing one of 35 aboard; this is the first known case of a turboprop shedding a blade in passenger service.  
October 16 – Pan Am Flight 6, a Boeing 377 Stratocruiser, is forced to ditch in the Pacific Ocean between Hawaii and San Francisco; all 31 on board are rescued by a nearby United States Coast Guard ship.  
November 7 – Braathens SAFE Flight 253, a de Havilland Heron, crashes into Hummelfjell mountain near Tolga, Norway, killing two of 12 on board.  
November 27 – Linea Aeropostal Flight 253, a Lockheed L-749 Constellation, crashes while on approach to Caracas International Airport, killing all 25 on board.  
December 9 – Trans-Canada Air Lines Flight 810, a Canadair North Star, crashes near Hope, British Columbia, Canada, killing all 62 people on board; the wreckage is located several months later. Aboard are four members of the Canadian Football League Saskatchewan Roughriders, and former Iowa Hawkeye Outland Trophy winner Cal Jones.  
1957[edit]  
February 1 – Northeast Airlines Flight 823, a Douglas DC-6, crashes during a snowstorm shortly after takeoff from LaGuardia Airport; 20 of the 101 occupants die.  
March 14 – British European Airways Flight 411, a Vickers Viscount, crashes while on approach to Manchester Airport, killing all 20 on board and two on the ground.  
May 1 – In the 1957 Blackbushe Viking accident, an Eagle Aviation Vickers VC.1 Viking crashes after engine failure at Blackbushe Airport; of the 35 on board, only a passenger survives.  
July 16 – KLM Flight 844, a Lockheed Super Constellation, crashes after takeoff from

Biak-Mokmer Airport, Indonesia, killing 58 of 68 on board.\nAugust 11 – Maritime Central Airways Flight 315, a Douglas DC-4, crashes near Issoudun, Quebec after encountering turbulence in a thunderstorm, killing all 79 passengers and crew on board.\nNovember 8 – Pan Am Flight 7, a Boeing 377 Stratocruiser, disappears between San Francisco and Honolulu; small pieces of wreckage and human remains are found almost a week later by the United States Navy; all 44 on board are believed to have been killed; incapacitation of the crew by carbon dioxide fire extinguishing agent is a suspected cause of the crash.\nNovember 15 – In the 1957 Aquila Airways Solent crash, a flying boat crashes near Chessell, Isle of Wight, UK, due to engine failure, killing 45 out of the 58 on board.\n1958[edit]\nFebruary 6 – In the Munich air disaster, a British European Airways Airspeed Ambassador operating as Flight 609 crashes while attempting a take off in a snowstorm from Munich-Riem Airport, killing 23 of 44 passenger and crew members on board including eight Manchester United footballers.\nFebruary 27 – In the Winter Hill air disaster, a Silver City Airways Bristol 170 Freighter traveling from the Isle of Man to Manchester Ringway Airport crashes into Winter Hill, Lancashire, killing 35 people and injuring seven.\nApril 6 – Capital Airlines Flight 67, a Vickers 745D Viscount, crashes at Tri-City Airport (now MBS International Airport) near Freeland, Michigan, killing all 47 passengers and crew; an undiscovered ice buildup on the wing and windy conditions are possible causes.\nApril 21 – United Airlines Flight 736, a Douglas DC-7, collides near Las Vegas, Nevada, with a US Air Force F-100 Super Sabre fighter on a training mission. All 47 aboard the airliner and both F-100 crew members are killed.\nMay 25 – 1958 Dan-Air Avro York crash, a Avro York 685, crashes during a forced landing after an engine catches fire en route from Karachi to Delhi, killing four of five on board.\nAugust 9 – A Central African Airways Vickers Viscount crashes near Benina International Airport due to pilot error, killing 36 of 54 on board.\nAugust 14 – KLM Flight 607-E, a Lockheed L-1049 Super Constellation (named Hugo de Groot) en route from Amsterdam to New York, crashes into the Atlantic Ocean shortly after takeoff from Shannon Airport in Ireland, killing all 99 passengers and crew, including six members of the Egyptian fencing team.\nAugust 15 – Aeroflot Flight 4, a Tupolev Tu-104, crashes after stalling in an updraft, killing all 64 people on board.\nAugust 15 – Northeast Airlines Flight 258, a Convair 240, crashes near Nantucket International Airport due to pilot error, killing 25 of 34 on board.\nSeptember 2 – An Independent Air Travel Vickers VC.1 Viking crashes near Southall, Middlesex, killing all three crew on board and another four people on the ground.\nOctober 22 – British European Airways Flight 142, a Vickers Viscount, collides with an Italian Air Force North American F-86 Sabre over Italy, all 31 on board die.\nDecember 4 – An Aviaco SNCASE Languedoc crashes in the Guadarrama Mountains, killing all 21 people on board.\nDecember 24 – A BOAC Bristol Britannia crashes near Christchurch, Dorset, England, killing nine of 12 on board.\n1959[edit]\nJanuary 8 – Southeast Airlines Flight 308, a Douglas DC-3, crashes into the Holston Mountain, Tennessee, United States, on approach to the Tri-Cities Regional Airport killing all 10 people on board.\nJanuary 11 – Lufthansa Flight 502, a Lockheed L-1049 Super Constellation, crashes on approach to Rio de Janeiro-Galeão International Airport, Brazil, 36 of the 39 on board are killed.\nFebruary 3 – American Airlines Flight 320, a Lockheed L-188 Super Electra, crashes into the East River, New York City, as a result of pilot error; 65 passengers and crew are killed.\nFebruary 17 – In the 1959 Turkish Airlines Gatwick crash, a chartered Vickers Viscount 793 carrying the Turkish prime minister and other government officials crashes in heavy fog during its final approach into London.

n Gatwick Airport; five of the eight crew and nine of the 16 passengers die in the accident; Prime Minister Adnan Menderes is among the 10 survivors.\nApril 23 – In the 1959 Air Charter Turkey crash, an Avro Super Trader IV crashes on Mount Süphan, Turkey; all 12 crew on board die.\nMay 12 – Capital Airlines Flight 75, a Vickers Viscount 745D flying from New York City to Atlanta, breaks up in flight over Chase, Maryland, due to loss of control in severe turbulence; all 31 on board are killed.\nJune 26 – TWA Flight 891, a Lockheed Starliner, crashes due to a lightning strike shortly after taking off from Milan Malpensa Airport. All 68 passengers and crew on board are killed.\nAugust 19 – A Transair Douglas Dakota crashes into a mountain in Spain, killing all 32 on board.\nSeptember 24 – TAI Flight 307, a Douglas DC-7, crashes into a pine forest on departure from Mérignac Airport, France; 54 of the 65 people on board are killed.\nSeptember 29 – Braniff Flight 542, a Lockheed L-188 Electra, breaks up in mid-air and crashes 4 miles (6.4\xa0km) from Buffalo, Texas; all 34 on board perish.\nOctober 30 – Piedmont Airlines Flight 349, a Douglas DC-3, crashes on Bucks Elbow Mountain near Charlottesville, Virginia, killing the crew of three and 23 of 24 passengers; the sole survivor is seriously injured; the cause is a navigational error during an Instrument Landing System approach.\nNovember 16 – National Airlines Flight 967, a Douglas DC-7B, crashes into the Gulf of Mexico while on a flight from Tampa, Florida, to New Orleans, Louisiana, in a possible case of sabotage; all 40 on board perish.\nNovember 21 – Ariana Afghan Airlines Flight 202, a Douglas DC-4, crashes after an apparent in-flight fire, killing 24 of 27 on board.\n1960[edit]\nJanuary 6 – National Airlines Flight 2511, a Douglas DC-6B bound from New York to Miami, crashes near Bolivia, North Carolina, when a bomb planted on board explodes in mid-air; all 34 people on board are killed.\nJanuary 18 – Capital Airlines Flight 20, a Vickers Viscount, en route from Washington National Airport to Norfolk International Airport crashes near Holdcroft, Virginia due to engine failure caused by icy conditions; all 50 on board are killed.\nJanuary 19 – Scandinavian Airlines System Flight 871, a Sud Aviation Caravelle, crashes while on approach to Esenboğa Airport, Ankara, Turkey, killing all 42 on board; an undetermined descent was to blame for the first fatal crash of the Sud Caravelle.\nJanuary 21 – Avianca Flight 671, a Lockheed Constellation, crashes on landing at Sangster International Airport, Jamaica, killing 2 of 7 crew and 35 of 39 passengers on board in Jamaica\'s worst aviation accident.\nFebruary 25 – The 1960 Rio de Janeiro air crash: A United States Navy Douglas R6D-1 (DC-6A) collides with Real Transportes Aéreos Flight 753, a Douglas DC-3, over Rio de Janeiro, Brazil; of the 38 occupants of the American aircraft, three survive, and all 26 passengers and crew of the Brazilian aircraft are killed.\nMarch 17 – Northwest Orient Airlines Flight 710, a Lockheed L-188 Super Electra en route from Chicago to Miami, Florida, breaks apart at 15,000 feet (4,600\xa0m) and crashes near Tell City, Indiana, killing all 63 on board.\nJune 10 – Trans Australia Airlines Flight 538, a Fokker F-27, crashes into the ocean near Mackay, Queensland, Australia, killing all 29 on board in Australia\'s worst civilian air disaster. This crash was responsible for the mandatory installation of cockpit voice recorders in airliners in Australia, followed by the rest of the world.\nJuly 15 – Ethiopian Airlines Flight 372, a C-47 Skytrain, crashes into a mountain near Jimma, Ethiopia, killing the pilot.\nSeptember 26 – Austrian Airlines Flight 901, a Vickers Viscount, crashes short of runway 07 at Sheremetyevo International Airport. 31 of the 37 passengers and crew on board are killed.\nOctober 4 – Eastern Air Lines Flight 375, a Lockheed L-188 Super Electra, crashes on takeoff from Boston\'s Logan International Airport into Winthrop Bay, after multiple bird

strikes; 62 of 72 aboard die.

October 29 – The Cal Poly football team plane crash: a chartered Curtiss C-46 crashes on takeoff at the Toledo Express Airport in Toledo, Ohio, with the loss of 22 people including 16 players on the California Polytechnic State University football team.

December 16 – The 1960 New York mid-air collision: United Airlines Flight 826, a Douglas DC-8, and TWA Flight 266, a Lockheed Super Constellation, collide in mid-air over Staten Island in New York; all 128 aboard the two planes and six people on the ground are killed. This is the first crash in which a flight recorder was used to provide details in a crash investigation. The accident was the deadliest aviation disaster in history at the time.

1961[edit]

January 3 – Aero Flight 311, a Douglas DC-3, crashes into woods near Koivulahti, Finland, killing all 25 on board.

February 15 – Sabena Flight 548, a Boeing 707, crashes on approach in Brussels, Belgium, killing 73, including the entire United States figure skating team: a runaway stabilizer is thought to have been the cause of the first fatal accident involving a 707 in regular passenger service.

March 28 – ČSA Flight 511, an Ilyushin Il-18, crashes in Grafenröden, West Germany. All 52 passengers and crew on board are killed.

April 3 – LAN Chile Flight 210, a Douglas DC-3, crashes in the Andes, killing all 24 on board including footballers and coaching staff from the CD Green Cross Chilean football team.

May 10 – Air France Flight 406, a Lockheed Starliner, crashes into the Sahara Desert near the Edjele oilfield in Algeria after a bomb goes off on board. All 78 passengers and crew are killed in the crash.

May 30 – Viasa Flight 897, a Douglas DC-8, crashes shortly after taking off from Lisbon Portela Airport. All 61 passengers and crew on board are killed.

June 12 – KLM Flight 823, a Lockheed L-188 Electra, crashes while on approach to Cairo International Airport due to pilot error; 20 of 36 on board die.

July 11 – United Airlines Flight 859, a Douglas DC-8, crashes on landing at Stapleton International Airport, killing 17 passengers and one person on the ground.

July 19 – Aerolíneas Argentinas Flight 644, a Douglas DC-6, crashes half an hour after takeoff from Ministro Pistarini International Airport in Buenos Aires, Argentina. All 67 passengers and crew on board are killed.

August 9 – The Holtaheia Accident: An Eagle Airways Vickers VC.1 Viking crashes at Holta, Strand, Norway, killing all 39 on board, including 36 people from the Archbishop Lanfranc School.

September 1 – TWA Flight 529, a Lockheed Constellation L-049 propliner, abruptly pitches up and crashes shortly after takeoff from Chicago's Midway Airport, killing all 73 passengers and five crew on board; a 5/16-inch bolt that fell out of the elevator control linkage just before the crash is blamed.

September 11 – A President Airlines Douglas DC-6 crashes shortly after takeoff from Shannon Airport en route to Gander due to loss of control caused by possible pilot error, killing all 83 passengers and crew on board. The crash remains the worst in Irish territory.

September 12 – Air France Flight 2005, a Sud Aviation Caravelle, crashes on approach to Rabat-Salé Airport, killing all 71 people and six crew on board.

September 17 – Northwest Orient Airlines Flight 706, a Lockheed L-188 Electra, crashes on takeoff from Chicago as a result of a maintenance error causing the ailerons to become detached from the control wheels; all 37 on board die.

September 18 – 1961 Ndola United Nations DC-6 Crash, a Douglas DC-6B, carrying Dag Hammarskjöld, second Secretary-General of the United Nations crashes near Ndola, killing all 16 on board.

September 23 – Turkish Airlines Flight 835, a Fokker F27 Friendship crashes while on approach to Esenboğa Airport; 28 of the 29 passengers and crew on board perish in the crash.

October 7 – In the 1961 Derby Aviation crash, a Douglas Dakota crashes into Canigou mountainside en route to Perpignan from London, killing all 34 aboard.

November 8 – Impe

rial Airlines Flight 201/8, a Lockheed Constellation L-049, crashes on landing at Byrd Field near Richmond, Virginia; all 74 passengers—mostly new US Army recruits being flown to their base for training—die of carb on monoxide asphyxiation, along with three crew members; the captain and flight engineer survive by escaping the burning wreckage.

November 23 – Aerolíneas Argentinas Flight 322, a de Havilland Comet, crashes in Campinas, Brazil, shortly after takeoff, killing all 12 crew and 40 passengers on board.

November 30 – Ansett-ANA Flight 325, a Vickers Viscount, crashes into Botany Bay, Australia, 9 minutes after takeoff, killing all 15 people on board.

1962[edit]

February 25 – In the 1962 Avenas Fairchild F-27 accident, the plane crashes into San Juan mountain on Margarita Island, killing all 23 on board.

March 1 – American Airlines Flight 1, a Boeing 707, crashes in Jamaica Bay, Queens, New York, due to a rudder malfunction, killing all 95 passengers and crew on board.

March 4 – Caledonian Airways Flight 153, a Douglas DC-7, crashes into a jungle swamp at Douala, Cameroon, killing all 111 on board.

March 8 – A Turkish Airlines Fairchild F-27 crashes into the Bolkar Mountains while on approach to Adana Airport; all 11 on board die.

March 16 – Flying Tiger Line Flight 739, a Lockheed L-1049 Super Constellation chartered by the United States military, and carrying 96 American soldiers en route to South Vietnam, disappears over the western Pacific.

May 6 – In the 1962 Channel Airways Dakota accident, a Douglas Dakota flies into a hill on the Isle of Wight in bad weather, 12 killed.

May 22 – Continental Airlines Flight 11, a Boeing 707, breaks up in mid-air near Unionville, Missouri, after a passenger's bomb exploded in the lavatory; all 45 people on board are killed.

June 3 – Air France Flight 007, a chartered Boeing 707, overruns the runway on takeoff and burns down after the pilot rejected takeoff, killing many of Atlanta, Georgia's civic and cultural leaders; two flight attendants are the only survivors, as 130 die in the worst single-aircraft accident to that date.

June 22 – Air France Flight 117, an international scheduled multi-leg Boeing 707 crashes in a forest hill on the island of Guadeloupe, while approaching Pointe-à-Pitre International Airport; 113 die in that accident with no survivors; the cause of the crash is never determined.

June 30 – Aeroflot Flight 902, a Tupolev Tu-104, is shot down by a missile near Voznesenk a, Krasnoyarsk Krai; all 84 die in Russia's worst air accident at that time.

July 7 – Alitalia Flight 771, a Douglas DC-8, hits high terrain while descending due to navigation error near Junnar, Maharashtra, India; all 94 die.

July 19 – United Arab Airlines Flight 869, a de Havilland DH-106 Comet 4C on an international scheduled flight from Hong Kong to Cairo via Bangkok, crashes into the Khao Yai mountain while descending to Bangkok; all 26 die.

July 22 – Canadian Pacific Air Lines Flight 301, a Bristol Britannia, crashes during an attempted "go-around" following a three-engined approach at Honolulu International Airport, killing 27 of 40 on board.

July 28 – Aeroflot Flight 415, an Antonov An-10, crashes into a mountain near Sochi Airport due to ATC and crew errors; all 81 on board die.

September 3 – Aeroflot Flight 3, a Tupolev Tu-104, crashes near Kuruna, Nanaysky District due to an unexplained loss of control; all 86 on board die.

November 23 – United Airlines Flight 297, a Vickers Viscount 745D, crashes near Ellicott City, Maryland, following a bird strike; all 17 people on board die.

November 27 – Varig Flight 810, a Boeing 707-441, crashes into a mountain near Lima airport, killing all 97 occupants.

November 30 – Eastern Air Lines Flight 512, a Douglas DC-7B, crashes as a result of pilot error during a missed approach at New York's Idlewild Airport; 25 of 51 on board are killed.

December 19 – A LOT Polish Airlines Vickers Viscount crashes on approach to Warsaw-Okęcie Airport due to loss of control, killing all 33 passengers.

ers and crew on board.\n1963[edit]\nFebruary 2 – In the Ankara mid-air collision, Middle East Airlines Flight 265, a Vickers Viscount, collides with a Turkish Air Force Douglas C-47, killing all 17 on board both aircraft and 87 on the ground.\nFebruary 12 – Northwest Orient Airlines Flight 705, a Boeing 720, breaks up in turbulence associated with a severe thunderstorm and crashes into the Everglades; all 43 passengers and crew members on board are killed.\nApril 4 – Aeroflot Flight 25, an Ilyushin Il-18, crashes in Tatarstan after suffering an engine malfunction, killing all 67 people aboard.\nJuly 2 – Mohawk Airlines Flight 121, a Martin 4-0-4, crashes near Rochester, New York, while attempting takeoff, killing seven of the 43 people on board.\nJuly 3 – New Zealand National Airways Corporation Flight 441, a Douglas DC-3 en route from Whangaparua Airport, Auckland to Tauranga, crashes into the Kaimai Ranges; all 23 aboard die, making it the worst air disaster in mainland New Zealand to date.\nJuly 27 – United Arab Airlines Flight 869, a de Havilland Comet 4C, crashes into the sea while on approach to Bombay Airport, India, killing all 63 on board.\nAugust 21 – An Aeroflot Tupolev Tu-124 ditched in the Neva river in Leningrad after engine failure; there are no fatalities among the 52 on board, but the aircraft is destroyed.\nSeptember 4 – Swissair Flight 306, a Sud Aviation Caravelle, crashes near Dürrenäsch, Switzerland, due to an in-flight fire, killing all 80 on board.\nNovember 8 – Aero Flight 217, a Douglas DC-3, crashes in poor visibility near the Mariehamn Airport, killing 22 out of 25 on board.\nNovember 29 – Trans-Canada Air Lines Flight 831, a Douglas DC-8, crashes shortly after takeoff from Montreal/Dorval Airport, killing all 118 people on board.\nDecember 8 – Pan Am Flight 214, a Boeing 707, is struck by positive lightning and crashes near Elkton, Maryland, killing all 81 people on board.\n1964[edit]\nFebruary 25 – Eastern Air Lines Flight 304, a Douglas DC-8 flying from New Orleans International Airport to Washington National Airport, crashes into Lake Pontchartrain, killing all 51 passengers and seven crew aboard.\nFebruary 29 – British Eagle International Airlines Flight 802, a Bristol Britannia, crashes into a mountain near Innsbruck, Austria. All 75 passengers and eight crew are killed in the crash.\nMay 7 – Pacific Air Lines Flight 773, a Fairchild F27, crashes near San Ramon, California, killing all 44 aboard, after a passenger shoots both the captain and first officer before turning the gun on himself.\nJune 20 – Civil Air Transport Flight 106, a Curtiss C-46, crashes near Shengkang, Taiwan, killing all 57 on board.\nJuly 9 – United Airlines Flight 823, a Vickers Viscount, crashes near Parrottsville, Tennessee, after a fire on board; all 39 passengers and crew die.\nSeptember 2 – Aeroflot Flight 721, an Ilyushin Il-18, crashes into a hillside while on approach to Yuzhno-Sakhalinsk Airport due to pilot error, killing 87 of 93 on board.\nNovember 15 – Bonanza Air Lines Flight 114, a Fairchild F27, flies into a mountain in poor weather while on a nighttime approach to Las Vegas, Nevada; all 29 aboard perish when the plane crashes only 10 feet (3 m) below a ridge.\nNovember 20 – Linjeflyg Flight 277, a Convair CV-340, crashes during the approach to Engelholm, Sweden, when, in instrument meteorological conditions, the crew abandons the set procedure and descends prematurely; 31 people are killed; 12 survive.\nNovember 23 – TWA Flight 800, a Boeing 707, suffers engine failure and crashes at Leonardo da Vinci-Fiumicino Airport, killing 50 of 73 on board; the cause is an inoperative thrust reverser.\nDecember 24 – Flying Tiger Line Flight 282, a Lockheed Constellation, crashes near San Bruno, California, after an unexplained course deviation, killing the crew of three.\n1965[edit]\nJanuary 4 – Aeroflot Flight 20, an Ilyushin Il-18, crashes on approach to Alma-Ata in poor visibility, killing 64 of 103 on board.\nFebruary 6 – LAN Chile Flight 107, a Douglas DC-6, crash



es shortly after takeoff from Santiago-Los Cerrillos Airport in Santiago, Chile. All 87 passengers and crew on board are killed.

February 8 – Eastern Air Lines Flight 663, a Douglas DC-7B on takeoff, overreacts in avoiding Pan Am Flight 212 (a Boeing 707) on approach, loses control, and crashes into the ocean several miles off Jones Beach State Park, New York, killing all 84 on board.

April 14 – British United Airways Flight 1030X, a Douglas C-47, crashes on landing at Jersey Airport due to pilot error; of the 27 passengers and crew on board, only a flight attendant survives.

May 5 – Iberia Airlines Flight 401, a Lockheed L-1049 Super Constellation, crashes after striking a tractor on the runway at Los Rodeos Airport, Tenerife, during a go-around in foggy weather; 30 of 49 passengers and crew die.

May 20 – PIA Flight 705, a Boeing 720, crashes on descent to Cairo International Airport, killing 119 of 125 on board in the worst-ever accident involving the 720.

July 1 – Continental Airlines Flight 12, a Boeing 707, runs off the end of the runway at Kansas City Downtown Airport, breaking into three pieces; all 66 on board survive.

July 8 – Canadian Pacific Air Lines Flight 21, a Douglas DC-6, crashes near 100 Mile House, British Columbia, after the explosion of a device in the lavatory; all 46 passengers and six crew aboard perish.

July 10 – A Skyways Coach-Air Avro 748 crashes on landing at Lympne Airport, Kent, United Kingdom, due to a waterlogged runway; all 52 on board survive; this crash marks the first loss of the Avro 748/HS 748.

August 16 – United Airlines Flight 389, a Boeing 727, crashes into Lake Michigan at night, after the pilots apparently misread their altimeters; all 24 passengers and six crew perish in the first fatal crash of the Boeing 727.

September 17 – Pan Am Flight 292, a Boeing 707, crashes into Chances Peak, Montserrat, in stormy weather; all 30 on board die.

November 8 – American Airlines Flight 383, a Boeing 727, crashes while on approach to Greater Cincinnati airport; of the 62 people on board, one flight attendant and three passengers survive.

November 11 – United Airlines Flight 227, a Boeing 727, crashes short of the runway during landing at Salt Lake City International Airport, Utah; 43 of 91 aboard are killed.

November 11 – Aeroflot Flight 99, a Tupolev Tu-124, crashes near Murmansk, Russia, due to pilot error, killing 32 of 64 on board.

December 4 – The 1965 Carmel mid-air collision; Eastern Air Lines Flight 853, a Lockheed Super Constellation, collides with TWA Flight 42, a Boeing 707 over Carmel, New York. Flight 42 makes an emergency landing at John F. Kennedy International Airport; Flight 853 is forced to crash land on Hunt Mountain near Danbury, Connecticut, killing three passengers and one of the pilots on board. No casualties are reported on board Flight 42.

1966[edit]

January 15 – Avianca Flight 4, a Douglas C-54, suffers engine failure and crashes off Cartagena, Colombia, killing 56 of the 64 on board.

January 24 – Air India Flight 101, a Boeing 707-437, crashes into the southwest face of Mont Blanc in France; all 106 passengers and 11 crew are killed. Sixteen years earlier Air India Flight 245 had crashed in almost exactly the same spot.

January 28 – Lufthansa Flight 005, a Convair 440, crashes at Bremen Airport; all 46 on board perish.

February 2 – Pakistan International Airlines Flight 17, a Sikorsky S-61 helicopter, crashes near Faridpur, Bangladesh, Pakistan; of the 23 on board, only a passenger survives.

February 4 – All Nippon Airways Flight 60, a Boeing 727-100, crashes into Tokyo Bay, Japan; all 133 aboard are killed in Japan's worst air disaster at that time.

February 17 – Aeroflot Flight 65, a Tupolev Tu-114, crashes on takeoff from Sheremetyevo International Airport due to crew and ATC errors, killing 21 of 63 on board.

March 4 – Canadian Pacific Air Lines Flight 402 (CP402), a McDonnell Douglas DC-8-43, crashes on landing at Tokyo International Airport in Japan, killing 64 passengers and crew; eight pa

ssengers survive.

March 5 – BOAC Flight 911, a Boeing 707 bound for Hong Kong, breaks up in mid-air and crashes at Mount Fuji near Gotenba, Japan, killing all 124 passengers and crew.

March 18 – United Arab Airlines Flight 749, an Antonov An-24, crashes while attempting to land at Cairo International Airport. All 30 passengers and crew on board are killed.

April 22 – American Flyers Flight 280, a Lockheed L-188 Electra, crashes into a hill short of Ardmore Municipal Airport in Oklahoma, United States. 83 of the 98 passengers and crew on board are killed.

April 27 – LANSA Flight 501, a Lockheed L-749A Constellation, crashes into a mountain in Tomas District, Peru, killing all 49 passengers and crew on board.

August 6 – Braniff Flight 250, a BAC One-Eleven, flies into an active squall line and breaks apart in mid-air near Falls City, Nebraska. All 42 on board are killed.

September 1 – Britannia Airways Flight 105, a Bristol Britannia, crashes on approach to Jože Pučnik Airport, Slovenia, due to an incorrectly set altimeter, killing 98 of 117 passengers and crew on board.

September 22 – Ansett-ANA Flight 149, a Vickers Viscount, crashes near Winton, Queensland, Australia, killing all 24 people on board.

October 1 – West Coast Airlines Flight 956 crashes with 18 fatalities 5.5 miles (8.9 km) south of Wemme, Oregon, marking the first loss of a Douglas DC-9.

November 13 – All Nippon Airways Flight 533, a NAMC YS-11, plunges into Seto Inland Sea after an overrun at Matsuyama Airport, Shikoku, Japan, killing all 50 passengers and crew; this crash is the first loss of a YS-11.

November 15 – Pan Am Flight 708, a Boeing 727, crashes near Berlin, Germany; all three crew members are killed.

November 24 – TABSO Flight 101, an Ilyushin Il-18B, crashes into a wooded hillside shortly after takeoff from Bratislava, Czechoslovakia, killing all 82 aboard.

1967[edit]

February 16 – Garuda Indonesia Flight 708, a Lockheed L-188 Electra, crashes on landing at Sam Ratulangi Airport, killing 22 of 84 passengers on board; all eight crew survive.

March 5 – Lake Central Flight 527, a Convair 340, crashes near Marseilles, Ohio, after a propeller detaches and severs the fuselage, causing a loss of control; all 38 on board die.

March 5 – Varig Airlines Flight 837, a Douglas DC-8, crashes while on approach to Roberts International Airport due to pilot error, killing 51 of 90 on board as well as five on the ground.

March 9 – TWA Flight 553, a McDonnell Douglas DC-9, collides with a Beechcraft Baron near Dayton, Ohio, killing all 26 on both planes.

March 10 – West Coast Flight 720, a Fokker F27 Friendship crashes shortly after taking off from Klamath Falls, Ohio. All four occupants are killed.

March 13 – South African Airways Flight 406, a Vickers Viscount 818, crashes into the sea while on approach to East London, South Africa, killing all 25 passengers and crew on board; the pilot of the plane suffered a fatal heart attack while on approach and the co-pilot was unable to regain control of the aircraft.

April 20 – The 1967 Nicosia Britannia disaster: a Globe Air-operated Bristol Britannia on a charter flight in bad weather near Lakatamia, Cyprus, killing 126 of the 130 on board.

June 3 – In the 1967 Air Ferry DC-4 accident, a Douglas DC-4 crashes into a mountain en route from Manston Airport, England to Perpignan Airport, France. All 88 passengers and crew are killed.

June 4 – In the Stockport air disaster, a British Midland Canadaair C-4 Argonaut carrying passengers returning from Palma de Mallorca is on approach to Manchester Airport when an engine loses power because of a design failure in the aircraft's fuel system; of the 84 passengers aboard, 72 were killed.

June 23 – Mohawk Airlines Flight 40, a BAC One-Eleven, crashes in Blossburg, Pennsylvania, killing all 34 people on board.

June 30 – Thai Airways International Flight 601, a Sud Aviation Caravelle, crashes into the sea on landing at Kai Tak Airport, killing 24 of 80 on board.

July 19 – Piedmont Airlines Flight 22, a Boeing

727 departing from Asheville, North Carolina, crashes shortly after takeoff after a mid-air collision with a twin-engine Cessna 310 on instrument approach to Asheville; all 82 passengers and crew on both aircraft die.

September 5 – ČSA Flight 523, an Ilyushin Il-18D flight from Prague Ruzyně International Airport, Czechoslovakia, to Havana, crashed after takeoff from a refuelling stop in Gander, Canada, killing 37 of 69 people on board.

October 12 – Cyprus Airways Flight 284, a De Havilland Comet, is destroyed by a bomb over the Mediterranean; all 66 passengers and crew perish in the crash.

November 4 – Iberia Airlines Flight 062, a Sud Aviation Caravelle, crashes at Black Down Hill, Sussex, United Kingdom; all 37 passengers and crew are killed.

November 6 – TWA Flight 159, a Boeing 707, overruns the runway at Greater Cincinnati Airport and catches fire; all on board escape the aircraft, but a passenger dies four days later.

November 16 – Aeroflot Flight 2230, an Ilyushin Il-18, crashes just after takeoff from Koltsovo Airport, killing all 107 passengers and crew on board in the worst-ever accident involving the Il-18; the cause of the crash remains undetermined.

November 20 – TWA Flight 128, a Convair 880, crashes in Constance, Kentucky, on approach to Greater Cincinnati Airport, killing 70 of 82 persons on board.

1968[edit]

February 29 – Aeroflot Flight 15, an Ilyushin Il-18D crashes en route from Yemelyanovo, Russia to Petropavlovsk-Kamchatsky, Russia. 83 out of the 84 passengers and crew are killed.

March 6 – Air France Flight 212, a Boeing 707, crashes into the northwestern slope of La Soufrière Mountain in Guadeloupe with the loss of all 63 lives on board.

March 24 – Aer Lingus Flight 712, a Vickers Viscount 803, crashes off the Irish coast; all 61 on board perish.

April 8 – BOAC Flight 712, a Boeing 707, suffers an engine fire after takeoff from London Heathrow Airport; the plane makes an emergency landing at Heathrow, but five of 127 aboard die in the resulting fire.

April 20 – South African Airways Flight 228, a Boeing 707, crashes just after takeoff from Strijdom International Airport, Windhoek, South West Africa (now Namibia), due to pilot error; of the 128 on board, only five survive.

May 3 – Braniff Flight 352, a Lockheed L-188A Super Electra en route from Houston, Texas to Dallas, breaks up in mid-air in a thunderstorm and crashes near Dawson, Texas; killing its five crew and 80 passengers. Nine years earlier Braniff Flight 542 crashes 49 miles (79 km) away in Buffalo.

May 22 – Los Angeles Airways Flight 841, a Sikorsky S-61L, crashes near Paramount, California, resulting in the loss of 23 lives.

July 1 – Seaboard World Airlines Flight 253A, a Douglas DC-8, is forced to land in the Soviet Union; on board are over 200 American troops bound for Vietnam.

July 3 – In the 1968 BKS Air Transport Heathrow crash, an Airspeed Ambassador freight aircraft experiences metal fatigue and crashes while landing, striking two unoccupied British European Airways airliners. Six of the freighter's crew of eight are killed, as are eight racehorses being transported. All Airspeed Ambassadors are grounded until a redesign strengthens the flaps. One of the BEA aircraft is repaired but is lost in the 1972 [British European Airways Flight 548|Staines air disaster].

July 23 – Three members of Popular Front for the Liberation of Palestine hijack El Al Flight 426 from Rome to Tel Aviv. Diverting to Algiers the negotiations extend over 40 days. Both the hijackers and the hostages go free.

August 14 – Los Angeles Airways Flight 417, a Sikorsky S-61L prototype, crashes in Compton, California, resulting in the loss of 21 lives.

September 11 – Air France Flight 1611, a Sud Aviation SE-210 Caravelle, is shot down by a missile near Nice, France, killing all 95 passengers and crew on board.

October 25 – Northeast Airlines Flight 946, a Fairchild 227, crashes near Etna, New Hampshire, killing 32 passengers and crew.

November 22 – Japan Airlines Flight 2, a Douglas DC-

8, ditches in San Francisco Bay as a result of pilot error, all on board survive.\nDecember 2 – Wien Consolidated Airlines Flight 55, a Fairchild F-27B, crashes into Pedro Bay, Alaska. All 39 passengers and crew on board are killed.\nDecember 12 – Pan Am Flight 217, a Boeing 707, crashes near Caracas, Venezuela, as a result of pilot error; all 51 on board die.\nDecember 24 – Allegheny Airlines Flight 736, a Convair CV-580, crashes while on approach to Bradford Regional Airport. 20 of the 47 passengers and crew on board are killed.\nDecember 27 – North Central Airlines Flight 458, a Convair CV-580, crashes into a hangar at O'Hare International Airport in Chicago, Illinois, killing 27 of the 45 people on board and one person on the ground.\nDecember 31 – MacRobertson Miller Airlines Flight 1750, a Vickers Viscount, crashes near Port Hedland in Western Australia, killing all 26 people on board.\n1969[edit]\nJanuary 5 – Ariana Afghan Airlines Flight 701, a Boeing 727-100C, arriving at London Gatwick Airport from Frankfurt Airport crashes into a house in dense fog, killing 48 of the 62 persons aboard; a married couple living at the house also die, but their baby survives.\nJanuary 6 – Allegheny Airlines Flight 737, a Convair CV-580, crashes while on approach to Bradford Regional Airport. 11 of the 28 passengers and crew on board are killed.\nJanuary 13 – Scandinavian Airlines Flight 933, a Douglas DC-8, crashes into Santa Monica Bay due to pilot error, killing 15 of 45 on board.\nJanuary 18 – United Airlines Flight 266, a Boeing 727, en route from Los Angeles to Milwaukee loses all electrical power and crashes into Santa Monica Bay; six crew and 32 passengers are killed.\nFebruary 18 – Hawthorne Nevada Airlines Flight 708, a Douglas DC-3, crashes near Lone Pine, California, killing all 35 people on board.\nFebruary 24 – Far Eastern Air Transport Flight 104, a Handley Page Dart Herald, suffers engine failure and crashes while on approach to Tainan Airport, Taiwan; all 36 on board die.\nMarch 5 – Prinair flight 277, a de Havilland Heron, crashes into mountainous territory at Luquillo, Puerto Rico, killing all 19 people on board; 2 crew and 17 passengers.\nMarch 16 – Viasa Flight 742, a McDonnell Douglas DC-9-30, crashes on takeoff from Maracaibo, Venezuela. All 84 passengers on board, plus 71 people on the ground are killed in the crash. At 155 people dead, it was the worst aviation disaster in history at that time.\nMarch 20 – In the 1969 A swan Ilyushin Il-18 crash, a United Arab Airlines flight crashes while attempting to land at Aswan International Airport. 100 of the 105 passengers and crew on board are killed.\nApril 2 – LOT Polish Airlines Flight 165, an Antonov An-24, crashes in southern Poland, killing all 53 people on board.\nApril 28 – LAN Chile Flight 160, a Boeing 727, crashes near Colina, Chile; all 60 on board survive.\nJune 4 – Mexicana Flight 704, a Boeing 727, crashes near Salinas Victoria in Mexico. All 79 passengers and crew on board are killed.\nJune 23 – In the Yul'nev mid-air collision, Aeroflot Flight 831, an Ilyushin Il-14, collides in mid-air with a Soviet Air Force Antonov An-12 over Yul'nevsky District, Russia, killing all 120 people on both aircraft.\nAugust 29 – In the TWA Flight 840 hijacking, two operatives from the Popular Front for the Liberation of Palestine force a Boeing 707 to land at Damascus, Syria; all passengers are released except for two passengers who are released two months later; there are no casualties to the 127 on board, but the aircraft's nose section is blown up.\nSeptember 9 – Allegheny Airlines Flight 853, a Douglas DC-9, collides in flight with a Piper PA-28 Cherokee and crashes near Fairland, Indiana, killing all 83 occupants aboard the two aircraft.\nSeptember 12 – Philippine Airlines Flight 158, a BAC One-Eleven, crashes on approach to Manila International Airport, killing 45 of the 47 passengers and crew on board.\nNovember 19 – Mohawk Airlines Flight 411, a Fairchild 227, crashes near Glens Falls, New York, ki

lling all 14 people on board.\nNovember 20 – Nigeria Airways Flight 825, a Vickers VC-10, crashes on approach to Lagos International Airport killing all 87 passengers and crew on board.\nDecember 3 – Air France Flight 212, a Boeing 707-328B, crashes into the sea shortly after take off from Simón Bolívar International Airport with the loss of all 62 on board.\nDecember 8 – Olympic Airways Flight 954, a DC-6, crashes into Mt. Paneio while on approach to Athens-Ellinikon International Airport. All 90 passengers and crew on board are killed.\n1970[edit]\nJanuary 5 – In the Spantax Convair crash; five of the ten people on board were killed when the aircraft crashed shortly after takeoff from Stockholm Arlanda Airport.\nFebruary 4 – Aerolíneas Argentinas Flight 707, a Hawker Siddeley HS 748, crashes near Loma Alta, Argentina, killing all 37 on board.\nFebruary 15 – In the Dominicana DC-9 air disaster; all 102 persons on board are killed when the aircraft crashes shortly after takeoff from Santo Domingo in the Dominican Republic.\nFebruary 21 – A bomb in the cargo hold of Swissair Flight 330, a Convair CV-990, detonates nine minutes after takeoff from Zurich International Airport, Switzerland; all 38 passengers and nine crew perish.\nMarch 17 – Eastern Air Lines Shuttle Flight 1320, a Douglas DC-9-31 on a flight from Newark, New Jersey to Boston, Massachusetts is hijacked by a suicidal man. He shoots both the captain and co-pilot before being subdued. The captain makes a successful emergency landing in Boston, and the hijacker is arrested. The co-pilot dies from his injuries.\nMarch 31 – Japan Airlines Flight 351, a Boeing 727, is hijacked to North Korea by a Japanese Red Army faction.\nApril 21 – Philippine Airlines Flight 215, a Hawker Siddeley HS 748, explodes in mid-air and crashes 75\xa0mi (121\xa0km) north of Manila; killing all 36 on board; a bomb is suspected.\nMay 2 – ALM Flight 980, a Douglas DC-9 operated by Overseas National Airways, ditches near St. Croix, Virgin Islands, killing 23, including two infants and one crew member; 40, including four crew members, survive.\nJuly 3 – The 1970 Dan-Air de Havilland Comet crash takes place near Girona, Spain, due to a navigation error, killing all 112 on board.\nJuly 5 – Air Canada Flight 621, a Douglas DC-8, explodes following a failed landing at Toronto Pearson International Airport, with 109 fatalities.\nAugust 9 – LANSA Flight 502, a Lockheed L-188 Electra turboprop, crashes and burns shortly after takeoff from Cuzco, Peru, killing 99 people on the plane and two on the ground; among the dead are 49 U.S. high school exchange students.\nAugust 12 – China Airlines Flight 206, a NAMC YS-11, crashes in thick fog and a severe thunderstorm into Yuan Mountain, near Taipei International Airport, killing 14 of 31 people on board.\nSeptember 6 – The Popular Front for the Liberation of Palestine orchestrates the Dawson's Field hijackings of El Al Flight 219 (Boeing 707), Pan Am Flight 93 (Boeing 747), Swissair Flight 100 (Douglas DC-8), TWA Flight 741 (Boeing 707), and (on September 9) BOAC Flight 775 (Vickers VC10); the unprecedented scale of the incident draws international outrage and plays a major role in instigating the eventual widespread implementation of air passenger screening, heretofore done only haphazardly and inconsistently; Flight 93 is the first ever loss of the Boeing 747.\nOctober 2 – In what is known as the Wichita State Crash, a Martin 4-0-4 aircraft crashes near Silver Plume, Colorado; it is one of two planes carrying the Wichita State University football team to Logan, Utah, for a match. Of the 40 people on board, 31 are killed.\nNovember 14 – Southern Airways Flight 932, a chartered Douglas DC-9, crashes on approach at Tri-State Airport in Huntington, West Virginia, killing all 75 on board, including 37 players of the Marshall University football team and all but one of the coaching staff.\n1971[edit]\nJanuary 22, 31 – Two nearly identical accidents 9 days apart: 1971 January 22 Surgut Aeroflot Ant

onov An-12 crash and 1971 January 31 Surgut Aeroflot Antonov An-12 crash, in which two An-12s crash due to icing while on approach to Surgut International Airport; all (14 and seven respectively) on board are killed.

May 23 – Aviogenex Flight 130, a Tupolev Tu-134, crashes while landing at Rijeka Airport due to pilot error, killing 78 of the 83 on board.

June 6 – A United States Marine Corps McDonnell Douglas F-4B Phantom II fighter jet collides with Hughes Airwest Flight 706, a Douglas DC-9, which crashes into the San Gabriel Mountains near Duarte, California, killing all 49 people aboard; the pilot of the Phantom also dies, while his radar intercept officer successfully bails out.

June 7 – Allegany Airlines Flight 485 crashes while on approach to New Haven Regional Airport. 28 of the 31 passengers and crew on board are killed in the accident.

July 3 – Toa Domestic Airlines Flight 533, a NAMC YS-11, hits Yokotsudake (Yokotsu Mountain) near Hakodate Airport, Hokkaidō, Japan, killing all 68 passengers and crew in the worst ever disaster involving the YS-11.

July 25 – Aeroflot Flight 1912, a Tupolev Tu-104, lands hard and crashes at Irkutsk Airport, killing 97 of 126 on board.

July 30 – All Nippon Airways Flight 58, a Boeing 727-200, collides with a JSDF F-86 fighter jet at Shizukuishi near Morioka, Japan, killing all 162 passengers and crew; the JSDF pilot parachutes to safety, and is later arrested by local police on suspicion of colliding with a civilian aircraft.

July 30 – Pan Am Flight 845, a Boeing 747-100, attempted takeoff from San Francisco while using incorrect takeoff speeds for the selected runway and flap position, resulting in a collision with approach lighting structures as the plane began lifting off the runway. The flight then dumps fuel and returns for an emergency landing at SFO, with only one of its four hydraulic/flight control systems still functional. Two passengers are seriously injured by the damage from the initial impact during takeoff, and 27 others suffer injuries during the evacuation.

September 4 – Alaska Airlines Flight 1866, a Boeing 727, crashes into a mountain in the Tongass National Forest near Juneau, Alaska, killing all 111 on board.

September 6 – Paninternational Flight 112, a BAC One-Eleven, suffers dual engine failure just after takeoff and crashes onto the A7 near Hamburg Airport, killing 22 of 121 on board.

October 2 – British European Airways Flight 706, a Vickers Vanguard, breaks up in mid-air due to corrosion and crashes near Aarsele, Belgium, killing all 63 passengers and crew on board.

November 10 – In the 1971 Indian Ocean Vickers Viscount crash, a Merpati Nusantara Airlines plane crashes into the Indian Ocean off Padang, Indonesia, in bad weather, killing all 66 on board.

November 24 – A man reported as D. B. Cooper hijacks Northwest Orient Airlines Flight 305, a Boeing 727, out of Portland, Oregon, releasing the passengers in exchange for US\$200,000 and four parachutes; the crew takes off with Cooper on board, and he parachutes from the plane; Cooper is never found and his fate remains unknown, although a roll of bills from his ransom is found in a riverbed many years later.

December 24 – LANSA Flight 508, a Lockheed L-188 Electra en route from Lima to Pucallpa, Peru, breaks apart in mid-air after being set aflame by lightning; it crashes in the Amazon Rainforest and 91 people die; one German teenage girl, Juliane Koepcke, survives after falling two miles (3 km) down into the rainforest strapped to her seat; she walks through the jungle for 10 days until being rescued by local lumbermen.

1972[edit] January 7 – Iberia Airlines Flight 602, a Sud Aviation SE 210 Caravelle, crashes into a mountain while on approach to Ibiza Airport in Spain, killing all 104 passengers and crew on board.

January 26 – JAT Flight 367, a McDonnell Douglas DC-9, suffers a bomb explosion in mid-air; 27 of 28 on board are killed; Vesna Vulović, the only survivor, is entered in the Guinness Book of World Records for surviving the

he longest fall without a parachute, over 33,000 feet (10,000\xa0m).\nFebruary 22–23 – Lufthansa Flight 649, a Boeing 747 en route from Tokyo to Frankfurt, is hijacked during the Delhi-Athens leg and forced to divert to Aden, where all 182 passengers and crew are released in exchange for a \$5 million ransom.\nMarch 3 – Mohawk Airlines Flight 405, a Fairchild F-27, crashes near Albany, New York, while descending to land, killing 16 of the 48 people on board and one on the ground.\nMarch 14 – Sterling Airways Flight 296, a Sud Caravelle, crashes near Kalba, United Arab Emirates due to pilot error; all 112 on board die in the worst air disaster in the history of the United Arab Emirates.\nMarch 19 – EgyptAir Flight 763, a McDonnell Douglas DC-9, crashes on approach to Aden International Airport, killing all 30 passengers and crew.\nMay 5 – Alitalia Flight 112, a Douglas DC-8 en route from Leonardo da Vinci Airport to Palermo International Airport, Italy, crashes into Mount Longa some 5\xa0km (3.1\xa0mi) south-west of Palermo, killing all 115 passengers and crew on board; it remains the deadliest single-aircraft disaster in Italy.\nMay 18 – Aeroflot Flight 1491, an Antonov An-10, suffers in-flight structural failure on approach to Kharkiv Airport in Ukraine; all 122 passengers and crew on board are killed.\nJune 12 – American Airlines Flight 96, a McDonnell Douglas DC-10, suffers explosive depressurisation when one of its cargo doors fails in mid-flight; the crew manages an emergency landing at Detroit Metropolitan Wayne County Airport where all 67 on board are evacuated safely.\nJune 14 – Japan Airlines Flight 471, a Douglas DC-8 en route from Don Mueang International Airport in Bangkok, Thailand, to Palam International Airport (now Indira Gandhi International Airport) in New Delhi, India, crashes outside of New Delhi, killing 82 of 87 occupants on board and an additional three on the ground.\nJune 15 – A carry-on suitcase bomb explodes on Cathay Pacific Flight 700Z, a Convair 880, at 29,000 feet (8,800\xa0m) over Vietnam; all 81 on board perish.\nJune 18 – British European Airways Flight 548, a Hawker Siddeley Trident, undergoes a series of stalls as a result of pilot error, followed by a deep stall, crashing near Staines, United Kingdom; all 118 on board are killed.\nJune 24 – Prinair Flight 191, a de Havilland Heron, over-rotates because of pilot error and crashes in Ponce, Puerto Rico, killing five of 20 people on board.\nJune 29 – In the 1972 Lake Winnebago mid-air collision, North Central Airlines Flight 290, a Convair CV-580, and Air Wisconsin Flight 671, a de Havilland Canada DHC-6 Twin Otter, collide over Lake Winnebago near Appleton, Wisconsin, killing all 13 people on board the two aircraft.\nJuly 2 – Pan Am Flight 841 was hijacked en route to Saigon; the hijacker was killed at a fake re-fuelling stop.\nAugust 14 – The 1972 Königs Wusterhausen air disaster: an Interflug Ilyushin Il-62, crashes near Königs Wusterhausen, all 156 passengers and crew are killed in Germany\'s worst air disaster.\nAugust 16 – A Burma Airways Douglas C-47 crashes into the sea off Thandwe, Burma, killing 25 of 28 on board.\nAugust 31 – Aeroflot Flight 558, an Ilyushin Il-18, crashes due to an in-flight fire, killing all 102 people aboard.\nSeptember 24 – Japan Airlines Flight 472, a Douglas DC-8 with 122 on board, overruns the runway after landing at the wrong airport; no fatalities.\nOctober 1 – Aeroflot Flight 1036, an Ilyushin Il-18V, crashes into the Black Sea for reasons unknown, killing all 109 passengers and crew.\nOctober 13 – Aeroflot Flight 217, an Ilyushin Il-62, crashes on approach to Sheremetyevo International Airport for reasons unknown. All 174 passengers and crew on board are killed.\nOctober 13 – Uruguayan Air Force Flight 571, a Fairchild F-27, crashes in the Andes; passengers survive for 72 days by feeding on the dead.\nOctober 29 – Lufthansa Flight 615 is hijacked by sympathizers of Black September in order to extort the release of the three surviving per

petrators of the Munich massacre.\nNovember 15 – Ansett Airlines Flight 232, a Fokker F27 Friendship, was hijacked. Plane landed at Alice Springs Airport. The perpetrator killed himself after a shootout with the police. One of 32 on board killed.\nDecember 3 – Spantax Flight 275, a Convair 990 Coronado, crashed in Tenerife while taking off in almost zero visibility. All 155 passengers and crew on board were killed.\nDecember 8 – United Airlines Flight 553, a Boeing 737, crashes after aborting its landing attempt at Chicago Midway International Airport, killing 43 of 60 people on board and two people on the ground; among those killed was Dorothy Hunt, wife of Watergate conspirator E. Howard Hunt. The crash is the first fatal crash involving the 737-200.\nDecember 8 – Pakistan International Airlines Flight 631 entered a heavy rainstorm on approach to Rawalpindi and crashes into a hillside. The airliner broke into three pieces. All 26 people aboard perish on the hillside.\nDecember 20 – In the 1972 Chicago–O'Hare runway collision, Delta Airlines Flight 954, a Convair CV-880, and North Central Airlines Flight 575, a McDonnell Douglas DC-9, collide, killing 10 people and injuring 17.\nDecember 23 – Braathens SAFE Flight 239, a Fokker F-28, crashes in Asker upon landing at Fornebu airport, Oslo, Norway, killing 40 of 45 people on board.\nDecember 29 – Eastern Air Lines Flight 401, a Lockheed L-1011 TriStar, crashes in the Florida Everglades, killing 101 of 176 people on board; the crew is distracted by a faulty gear-down light, resulting in a controlled flight into terrain; this is the first crash of a widebody aircraft and the first loss of a Lockheed TriStar.\n1973[edit]\nJanuary 22 – In the Kano air disaster, a Boeing 707 crashes while attempting to land at Kano International Airport in Nigeria, killing 176 of the 202 passengers and crew on board.\nJanuary 29 – An EgyptAir Ilyushin Il-18 crashes in the Kyrenia mountain range while on approach to Nicosia International Airport; all 37 on board die.\nFebruary 19 – Aeroflot Flight 141, a Tupolev Tu-154, crashes short of the runway at Prague Ruzyně Airport for reasons unknown, killing 66 of 100 on board.\nFebruary 21 – Libyan Arab Airlines Flight 114, a Boeing 727, strays off course and is shot down by Israeli jets in the Sinai war zone, killing 108 of 113 people on board.\nFebruary 24 – Aeroflot Flight 630, an Ilyushin Il-18, crashes 40 km (25 mi) from Ura-Tube, Tajikistan due to loss of control as a result of pilot error, killing all 79 on board.\nMarch 3 – Balkan Bulgarian Airlines Flight 307, an Ilyushin Il-18, crashes short of the runway at Sheremetyevo International Airport, killing all 25 on board.\nMarch 5 – Nantes mid-air collision, an Iberia McDonnell Douglas DC-9 collides with a Spantax Convair CV-990. All 68 people on board the DC-9 were killed. The CV-990 was able to make a successful emergency landing at Cognac – Châteaubernard Air Base.\nApril 10 – Invicta International Airlines Flight 435, a Vickers Vanguard 952 from Bristol Lutsgate to Basle, flies into a hillside near Hochwald, Switzerland, some assaults and breaks up, killing 108 with 37 survivors.\nMay 18 – Aeroflot Flight 109, a Tupolev Tu-104, is hijacked en route to Chita from Irkutsk; a bomb the hijacker held detonates and the aircraft crashes east of Lake Baikal, killing all 81 on board.\nMay 31 – Indian Airlines Flight 440, a Boeing 737, crashes while on approach to Palam Airport in New Delhi, India. 48 of the 65 passengers and crew on board are killed in the accident.\nJune 20 – Aeroméxico Flight 229, a Douglas DC-9, crashes into the side of Las Minas Mountain while on approach to Lic. Gustavo Díaz Ordaz International Airport; all 27 on board die.\nJuly 11 – Varig Flight 820, a Boeing 707, experiences an onboard fire and crashes near Paris, France, killing 123 out of 134 on board.\nJuly 22 – Pan Am Flight 816, a Boeing 707, crashes shortly after takeoff from Faa'a's airport Tahiti, French Polynesia, killing 77 out of 78 on board.\nJuly 23



– Japan Air Lines Flight 404, a Boeing 747, is hijacked after takeoff from Amsterdam Schiphol Airport in the Netherlands; one hijacker is killed and the flight's purser injured by a grenade blast; after several days and multiple flight legs, the passengers are released in Benghazi, Libya, and the aircraft is blown up on the ground; this is the first loss of a Boeing 747-200.

July 23 – Ozark Air Lines Flight 809, a Fairchild-Hiller FH-227, crashes short of the runway at St. Louis International Airport due to windshear from a thunderstorm, killing 38 of 44 on board.

July 31 – Delta Air Lines Flight 723, a Douglas DC-9, descends prematurely and crashes on final approach to Boston Logan International Airport, killing all 89 on board; probable cause is unstabilized final approach by the flight crew.

August 13 – Aviaco Flight 118, a Sud Caravelle, en route from Madrid to A Coruña crashes while approaching A Coruña Alvedro airport, in Montrove, 2 km from the airport; all 85 on board die, and one on the ground.

September 8 – World Airways Flight 802, a Douglas DC-8-63CF crashes on approach into Cold Bay Airport, Alaska. All six occupants are killed.

September 11 – JAT Airways Flight 769, a Sud Aviation Caravelle, crashes into Mt. Maganik near Kolašin, Montenegro, killing all 41 on board.

September 27 – Texas International Airlines Flight 655, a Convair 600, crashes into Black Fork Mountain while avoiding thunderstorms, killing all 11 passengers and crew on board.

September 30 – Aeroflot Flight 3932, a Tupolev Tu-104, crashes shortly after takeoff from Koltsovo Airport in Sverdlovsk, Soviet Union. All 108 passengers and crew on board are killed.

October 13 – Aeroflot Flight 964, a Tupolev Tu-104, crashes while on approach to Domodedovo International Airport, Moscow, Soviet Union. All 122 passengers and crew on board are killed.

November 3 – National Airlines Flight 27, a McDonnell Douglas DC-10 with 128 on board, suffers an uncontained engine failure at 39,000 feet 65 miles southwest of Albuquerque, New Mexico. Debris from the engine punctures the fuselage and a passenger is blown out of the aircraft, but the aircraft is able to land safely with no other casualties.

December 17 – In the 1973 Rome airport attacks and hijacking, gunmen hijack a Lufthansa-operated Boeing 737 en route to Munich.

1974[edit] January 6 – Air East Flight 317, a Beechcraft Model 99 A crashes short of the runway, on approach into Johnstown–Cambria County Airport, Pennsylvania. 12 of the 17 passengers and crew are killed.

January 26 – Turkish Airlines Flight 301 crashes after takeoff from Izmir Cumaovasi Airport due to wing icing; of the 73 on board, only seven survive.

January 30 – Pan Am Flight 806, a Boeing 707-320B, crashes on approach to Pago Pago International Airport on American Samoa. 97 of the 101 passengers and crew on board are killed.

March 3 – Turkish Airlines Flight 981, a McDonnell Douglas DC-10, crashes in the Ermenonville forest near Senlis, France, after the rear underfloor cargo door opens in mid-flight; all 346 on board die.

March 15 – In the 1974 Sterling Airways Tehran Caravelle accident, a Sterling Airways Sud Aviation Caravelle experienced a landing gear failure at Mehrabad International Airport. The aircraft caught fire and 15 passengers were killed.

April 18 – Court Line Flight 95, a BAC One-Eleven, collides with a Piper Aztec on the runway at London Luton Airport, killing the pilot of the Aztec; there are no casualties on board the One-Eleven, but the aircraft is substantially damaged; the Aztec is written off.

April 22 – Pan Am Flight 812, a Boeing 707-320B, crashes into mountainous terrain 42.5 nautical miles (78.7 km) northwest of Denpasar, Bali. All 107 passengers and crew on board are killed.

September 8 – TWA Flight 841, a Boeing 707, breaks up after a bomb explodes in the cargo hold and plunges into the Ionian Sea, killing all 88 on board.

September 11 – Eastern Airlines Flight 212, a McDonnell Douglas DC-9, crashes on approach to Charlotte

te, North Carolina; 72 of 82 people on board are killed.\nSeptember 15 – Air Vietnam Flight 706, a Boeing 727, is hijacked and crashes in Phan Rang, Vietnam; all 75 on board die.\nNovember 20 – Lufthansa Flight 540 crashes shortly after takeoff in Nairobi, Kenya; 59 of 157 on board are killed in the first crash of a Boeing 747.\nDecember 1 – Northwest Airlines Flight 6231, a Boeing 727 enters a downward spiral and crashes twelve minutes after takeoff from JFK International Airport, New York. All 3 crew members on board were killed.\nDecember 1 – TWA Flight 514, a Boeing 727 inbound to Dulles International Airport, crashes into Mount Weather in Bluemont, Virginia, killing all 85 passengers and 7 crew.\nDecember 4 – Martinair Flight 138, a Douglas DC-8 on a charter flight, crashes into a mountain shortly before landing, on approach to Katunayake, Sri Lanka, for a refueling stop; killing all aboard – 182 Indonesian hajj pilgrims bound for Mecca, and nine crew members.\nDecember 22 – Avensa Flight 358, a McDonnell Douglas DC-9, suffers dual engine failure after takeoff and crashes near Maturín, Venezuela, killing all 77 on board.\n1975[edit]\nJanuary 9 – Golden West Airlines Flight 261, a De Havilland Twin Otter, collides with a Cessna 150 near Whittier, California, killing all 14 people in both aircraft.\nJanuary 30 – Turkish Airlines Flight 345, a Fokker F-28, crashes into the Sea of Marmara after a missed approach; all 42 on board die; the cause is never determined.\nMarch 31 – Western Airlines Flight 470, a Boeing 737, overruns the runway at Casper/Natrona County International Airport and crashes into a ditch; all 99 on board survive.\nJune 24 – Eastern Air Lines Flight 66, a Boeing 727, encounters wind shear on final approach and strikes approach lights at John F. Kennedy International Airport, killing 113 of 124 people on board.\nAugust 3 – The Agadir air disaster: an Air Maroc-operated Boeing 707 owned by Royal Jordanian Airlines crashes while on approach to Agadir, Morocco due to pilot error; all 188 on board die in the worst ever accident involving the Boeing 707.\nAugust 20 – ČSA Flight 540, a Ilyushin Il-62 crashes while on approach to Damascus, Syria. 126 of the 128 passengers and crew on board die in the accident.\nAugust 30 – Wien Air Alaska Flight 99, a Fairchild F-27, crashes into Sequoyia Mountain, Alaska, while on approach to Gambell Airport, killing 10 of 32 on board.\nSeptember 1 – Interflug Flight 1107, a Tupolev Tu-134, crashes while on approach to Leipzig, killing 27 of 34 on board.\nSeptember 24 – Garuda Indonesia Flight 150, a Fokker F-28 Fellowship, crashes while on approach to Sultan Mahmud Badaruddin II Airport in foggy weather; 25 of 61 on board die; one person on the ground also dies.\nSeptember 30 – Malév Flight 240, a Tupolev Tu-154, crashes on approach near Lebanon, killing all 60 people on board.\nOctober 30 – Inex-Adria Aviopromet Flight 450, a McDonnell Douglas DC-9, crashes on approach in Prague suburb, killing 75 of 120 on board.\n1976[edit]\nJanuary 1 – Middle East Airlines Flight 438, a Boeing 720, crashes in Saudi Arabia when a bomb explodes in the forward baggage compartment, killing all 81 people on board.\nJanuary 3 – Aeroflot Flight 2003, a Tupolev Tu-124, crashes just after takeoff from Vnukovo Airport due to instrument failure, killing all 61 passengers and crew on board and one person on the ground.\nJanuary 15 – Taxi Aereo el Venado Douglas DC-4 accident, crashes into a mountain in Colombia killing all 13 on board.\nFebruary 9 – Aeroflot Flight 3739, a Tupolev Tu-104, crashes on takeoff from Irkutsk after the aircraft rolled to the right, killing 24 of 114 on board.\nMarch 6 – Aeroflot Flight 909, an Ilyushin Il-18, crashes near Voronezh due to loss of control following an electrical failure, killing all 11 on board.\nApril 27 – American Airlines Flight 625, a Boeing 727, crashes on approach to St. Thomas, Virgin Islands, killing 37 of 88 people on board.\nMay 15 – Aeroflot Flight 1802, an Antonov An-24, crashes ne

ar Viktorovka, Chernikov Region due to loss of control following an unexplained rudder deflection, killing all 52 on board.

June 1 – Aeroflot Flight 418, a Tupolev Tu-154, crashes into a mountainside on the island of Bioko in Equatorial Guinea; all 45 on board die.

June 4 – Air Manila Flight 702, a Lockheed L-188 Electra, crashes shortly after takeoff from NAS Agana, Guam due to engine failure and pilot error, killing all 45 on board; one person on the ground also dies when a car is struck by the aircraft.

June 6 – In the 1976 Sabah Air GAF Nomad crash, a GAF N-22B Nomad crashes into the sea on approach into Kota Kinabalu International Airport, Malaysia. All 11 passengers and crew are killed. Several local political leaders were on board at the time.

June 27 – Air France Flight 139, an Airbus A300, is hijacked from Athens by two Palestinians and two Germans who divert the flight to Libya and then to Uganda, where the plane is met by pro-Palestinian forces from Idi Amin's government; Israeli troops eventually storm the airport in Operation Entebbe, killing hijackers and Ugandan soldiers and freeing all but three of the hostages; Israeli colonel Yonatan Netanyahu, brother of Benjamin Netanyahu, is also killed in the raid.

July 28 – Czechoslovakia Airlines Flight 001, an Ilyushin Il-18, crashes near Bratislava in Czechoslovakia, killing 76 of 78 people on board.

August 15 – SAETA Flight 232, a Vickers Viscount 785D, goes missing mid-route from Quito to Cuenca, Ecuador; all four crew members and 55 passengers are killed, but the scene remains undiscovered for over 26 years until February 2003, when climbers on the eastern face of the stratovolcano Chimborazo come upon the site.

September 9 – In the 1976 Anapa mid-air collision, Aeroflot Flight 7957, an Antonov An-24, collides with Aeroflot Flight 31, a Yakovlev Yak-40, over the Black Sea off Anapa due to ATC and crew errors, killing all 70 on board both aircraft.

September 10 – 1976 Zagreb mid-air collision between British Airways Flight 476, a Hawker Siddeley Trident, and Inex-Adria Flight 330, a McDonnell Douglas DC-9, near Zagreb, Yugoslavia, kills all 176 people on board both aircraft.

September 19 – Turkish Airlines Flight 452, a Boeing 727, crashes into a hillside near Karatepe, Turkey, while on approach to Antalya Airport; all 154 passengers and crew die.

October 6 – Cubana de Aviación Flight 455, a Douglas DC-8, is bombed by anti-Castro militants and crashes near Bridgetown, Barbados, killing all 73 people on board.

October 12 – Indian Airlines Flight 171, a Sud Caravelle, crashes while attempting an emergency landing at Bombay Airport; all 95 passengers and crew on board are killed.

November 23 – Olympic Airways Flight 830, a NAMC YS-11A, crashes into a mountain in Greece in low visibility, killing all 50 on board.

November 28 – Aeroflot Flight 2415, a Tupolev Tu-104, crashes shortly after takeoff from Moscow due to crew disorientation following artificial horizon failure, killing all 73 on board.

December 25 – EgyptAir Flight 864, a Boeing 707, crashes into an industrial complex near Bangkok, Thailand, due to pilot error; all 52 on board are killed as well as another 19 on the ground.

1977[edit]

January 13 – Aeroflot Flight 3843, a Tupolev Tu-104, crashes near Almaty Airport due to an engine fire, killing all 90 on board.

January 15 – Skyline Sweden-operated Linje flyg Flight 618, a Vickers Viscount 838, crashes in Kälvesta, Sweden, just outside Stockholm, killing all 22 on board.

February 15 – Aeroflot Flight 5003, an Ilyushin Il-18, crashes near Mineralnye Vody due to pilot error, killing 77 of 98 on board.

March 27 – in the Tenerife airport disaster, KLM Flight 4805 and Pan Am Flight 1736, both Boeing 747s, collide on the runway at Los Rodeos Airport; 583 of 644 people on board both aircraft are killed in the worst accident in the history of commercial aviation.

April 4 – Southern Airways Flight 242, a McDonnell Douglas DC-9, crash-lands on a highway near New Hope, Georgia, after enco

untering a dual engine failure in a thunderstorm; 63 of 85 aboard are killed, along with 9 people on the ground.\nApril 27 – an Aviateca Convair 240 crashes near Guatemala City, Guatemala, due to a maintenance error, killing all 28 people on board.\nMay 14 – in the 1977 Dan-Air Boeing 707 crash, a Boeing 707 crashes near Lusaka, Zambia, due to structural failure, killing all six on board.\nMay 27 – Aeroflot Flight 331, an Ilyushin Il-62, crashes while on approach to Havana, Cuba, killing 68 out of 70 people on board, plus one person on the ground. It remains the second-worst air accident in Cuba's history.\nSeptember 27 – Japan Airlines Flight 715, a Douglas DC-8, flies into a hillside while on approach to Sultan Abdul Aziz Shah Airport, killing 34 of 79 on board.\nSeptember 28 – Japan Airlines Flight 472, a Douglas DC-8, is hijacked after taking off from Mumbai, India, by Japanese Red Army (JRA) terrorists, who force the aircraft to land in Dhaka, Bangladesh, where they demand US\$6,000,000 and the release of nine imprisoned JRA members being held in Japan; the Japanese government complies and all of the hostages are eventually released.\nOctober 13 – Lufthansa Flight 181, a Boeing 737, is hijacked by four Palestinian members of the PFLP, who kill the captain; subsequently, German police commandos from GSG 9 storm the aircraft, killing three of the hijackers and capturing the fourth, with no other casualties.\nOctober 20 – in the 1977 Convair CV-240 crash, the airliner chartered by the band Lynyrd Skynyrd runs out of fuel en route to Baton Rouge, Louisiana, crashing five miles (8\000m) north of Gillsburg, Mississippi, in a swampy pine forest while trying to reach an alternate airport; band members Ronnie Van Zant, Steve and Cassie Gaines, plus assistant road manager Dean Kilpatrick and the two pilots of the aircraft, are killed in the accident.\nNovember 19 – TAP Portugal Flight 425, a Boeing 727, overruns the runway at Madeira Airport and plunges over a steep bank, bursting into flames and killing 131 of the 164 people on board.\nDecember 2 – in the 1977 Benghazi Libyan Arab Airlines Tu-154 crash, a Tupolev Tu-154 leased from Balkan Bulgarian Airlines crashes near Benghazi, Libya, due to fuel starvation, killing 59 of 165 on board.\nDecember 4 – Malaysian Airline System Flight 653, a Boeing 737, is hijacked under mysterious circumstances; minutes later, the airliner crashes in a swamp near Tanjung Kupang, Malaysia, at a steep angle, killing all 100 people aboard.\nDecember 13 – Air Indiana Flight 216, a Douglas DC-3 crashes shortly after taking off from Evansville Regional Airport, Indiana. All 29 passengers and crew are killed. The flight was carrying the University of Evansville basketball team.\nDecember 17 – United Airlines Flight 2860, a Douglas DC-8, crashes in the Wasatch Range in Utah, killing the three crew on board.\nDecember 18 – SA de Transport Aérien Flight 730, a Sud Aviation SE-210 Caravelle 10R, crashes into the sea while on final approach to Madeira Airport, killing 36 people.\n1978[edit]\nJanuary 1 – Air India Flight 855, a Boeing 747, crashes into the Arabian Sea as a result of instrument malfunction and pilot error; all 213 passengers and crew die.\nFebruary 11 – Pacific Western Airlines Flight 314, a Boeing 737-200, from Edmonton crashes at Cranbrook Airport after one thrust reverser did not fully stow following an aborted landing, killing 42 of the 48 people on board.\nMarch 1 – Continental Airlines Flight 603, a McDonnell Douglas DC-10, crashes on take off from Los Angeles International Airport after a tire blows on the left main landing gear, causing it to collapse; of 200 on board, two die at the time and two others die of their injuries three months later.\nMarch 3 – A Línea Aeropostal Venezolana Hawker Siddeley HS 748 crashes on departure from Simón Bolívar International Airport, Venezuela; all 46 on board are killed.\nMarch 16 – In the 1978 Balkan Bulgarian Tupolev Tu-134 crash, a Tupolev Tu-134 crashes near the village of Gabare, B

ulgaria, killing all 73 people on board.\nApril 20 – Korean Air Lines Flight 902, a Boeing 707, is shot down by Soviet fighter planes; the plane crash-lands near the Soviet Union's border with Finland; two of the 109 people on board are killed, the rest are subsequently released.\nMay 8 – National Airlines Flight 193, a Boeing 727, lands short on approach to Pensacola, Florida, United States, in Escambia Bay, as a result of pilot error; three passengers out of 58 people on board drown.\nJune 26 – Air Canada Flight 189, a McDonnell Douglas DC-9, crashes on takeoff in Toronto, Ontario, Canada, because of tire failure; Two of the 107 passengers and crew on board die.\nJune 26 – Helikopter Service Flight 165, a Sikorsky S-61, crashes into the North Sea while en route to Statfjord oil field due to fatigue failure of a rotor, killing all 18 on board.\nAugust 30 – In the LOT Flight 165 hijacking, two East German citizens hijack a Tupolev Tu-134, and force it to land at Tempelhof Airport; there are no casualties to the 63 passengers on board.\nSeptember 3 – Air Rhodesia Flight 825 from Kariba to Salisbury is shot down by a SA-7 surface-to-air missile; 18 of the 56 passengers initially survive the emergency landing, 10 are subsequently killed by Zimbabwe People's Revolutionary Army (ZIPRA) militants.\nSeptember 25 – PSA Flight 182, a Boeing 727, collides with a Cessna 172 over San Diego, California, United States; all 135 aboard the airliner, both pilots of the Cessna, and seven people on the ground are killed, making this the worst aviation disaster in California history, and the deadliest mid-air collision in North America.\nNovember 15 – Icelandic Airlines Flight LL 001, a Douglas DC-8 on a charter flight, crashes into a coconut plantation while on approach to Katunayake, Sri Lanka, for a refueling stop; 183 out of 262 people on board are killed.\nDecember 23 – Alitalia Flight 4128, a McDonnell Douglas DC-9-32, crashes into the Tyrrhenian Sea when on approach to Palermo International Airport in Palermo, Italy. Of the 129 passengers and crew, 108 are dead.\nDecember 28 – United Airlines Flight 173, a Douglas DC-8, runs out of fuel while circling near Portland, Oregon, United States, as the crew investigates a light indicating a problem with the landing gear; the plane crashes in a suburban area damaging two unoccupied houses, killing 10 and injuring 24 of the 181 on board.\n1979[edit]\nJanuary 30 – Varig Flight 967, a Boeing 707 bound for Rio de Janeiro–Galeão International Airport, disappears over the Pacific Ocean 125 miles (201\xa0km) after takeoff from Narita International Airport; the cause for the disappearance remains unknown, as neither survivors (six-man flight crew) nor wreckage have ever been found.\nFebruary 12 – Air Rhodesia Flight 827, a Vickers Viscount on a flight between Kariba and Salisbury, is shot down by Zimbabwe People's Revolutionary Army militants using a SA-7 (Strela 2) surface-to-air missile shortly after take off in similar circumstances to Flight 825 five months earlier; all 55 passengers and four crew are killed.\nFebruary 17 – Air New Zealand Flight 4374, a Fokker F-27 Friendship crashes while on approach into Auckland International Airport, New Zealand. The captain and one passenger are killed.\nMarch 13 – Alia Royal Jordanian Flight 600, a Boeing 727 crashes following a missed approach at Doha International Airport, Qatar; 44 of the 64 on board are killed.\nMarch 17 – Aeroflot Flight 1691, a Tupolev Tu-104, crashes near Vnukovo International Airport while attempting to make an emergency landing after a fire alarm is reported, killing 58 of 119 on board.\nMarch 29 – Quebecair Flight 255, a Fairchild F-27 bound for Montreal, crashes minutes after takeoff from Quebec City as it was attempting to return to the airport following the explosion of its number 2 engine, killing 17 of the 24 people on board.\nApril 4 – TWA Flight 841, a Boeing 727, goes into a dive over Saginaw, Michigan, following the loss of the number 7 slat; despite the loss

of 34,000 feet (10,000\xa0m) in altitude within 63 seconds, all 89 passengers and crew survive an emergency landing at Detroit after the first officer regains control of the plane at 5,000 feet (1,500\xa0m).\nMay 25 – American Airlines Flight 191, a McDonnell Douglas DC-10, crashes upon takeoff from O'Hare International Airport after its left engine becomes detached from the wing, killing all 271 on board and two on the ground in the worst single-aircraft accident on U.S. soil.\nMay 30 – Downeast Flight 46, a DHC-6 Twin Otter crashes on approach into Knox County Regional Airport, Maine. 17 of the 18 passengers and crew are killed.\nJune 17 – Air New England Flight 248, a de Havilland Canada DHC-6 Twin Otter, crashes near Camp Greenough, Massachusetts, while on approach to Barnstable Municipal Airport, killing the pilot.\nJuly 11 – A Garuda Indonesia Fokker F28 strikes a volcano on approach to Medan Airport, Indonesia, killing all 61 on board.\nJuly 31 – Dan-Air Flight 0034, a Hawker Siddeley HS 748, fails to become airborne at Sumburgh Airport, Scotland, due to a maintenance error, killing 17 of 44 on board.\nAugust 11 – The 1979 Dniprodzerzhynsk mid-air collision between two Aeroflot Tupolev Tu-134s kills 178.\nAugust 29 – Aeroflot Flight 5484, a Tupolev Tu-124V breaks up mid-air after experiencing loss of control due to unexplained release of the flaps, killing all 63 people aboard.\nOctober 8 – Swissair Flight 316, a Douglas DC-8-62 crashes after overrunning the runway at Athens-Ellinikon International Airport, killing 14 of the 154 passengers and crew on board.\nOctober 31 – Western Airlines Flight 2605, a McDonnell Douglas DC-10, strikes a vehicle on a closed runway in dense fog at Mexico City, Mexico; 72 die.\nNovember 15 – American Airlines Flight 444, a Boeing 727, takes off with a bomb planted in the cargo hold by the Unabomber. The bomb fails to detonate, giving off large quantities of smoke. Twelve passengers are treated for smoke inhalation, but all 78 on board survive.\nNovember 26 – PIA Flight 740, a Boeing 707, crashes after a fire in the cabin in Jeddah, Saudi Arabia; all 145 passengers and 11 crew die.\nNovember 28 – Air New Zealand Flight 901, a McDonnell Douglas DC-10, collides with Mount Erebus, Antarctica, during a sightseeing flight, killing all 257 people on board; this crash is also known as the Mount Erebus Disaster.\nDecember 23 – A Turkish Airlines Fokker F28 crashes into a hillside near Kuyumcuköy, Ankara, Turkey, while on approach to Esenboğa Airport; of the 45 on board, only four survive.\n1980[edit]\nJanuary 21 – Iran Air Flight 291, a Boeing 727, crashes into the Alborz Mountains near Tehran, Iran, amid a snowstorm on approach to Mehrabad International Airport; of the 128 people on board, no-one survives.\nFebruary 21 – Advance Airlines Flight 4210, a Beechcraft Super King Air 200, crashes shortly after takeoff from Sydney Airport, following failure of one engine due to water in the fuel, killing all 13 people on board.\nMarch 14 – LOT Flight 7, an Ilyushin Il-62, crashes near Warsaw, Poland, after the No. 2 engine disintegrates and severs the elevator and rudder control lines; all 87 on board are killed.\nApril 12 – Transbrasil Flight 303, a Boeing 727, crashes into a hill near Florianópolis, Brazil, killing 55 of 58 on board.\nApril 25 – Dan-Air Flight 1008, a Boeing 727, crashes into a mountain near Tenerife, Spain, killing all 138 passengers and eight crew on board.\nApril 27 – Thai Airways Flight 231, a Hawker Siddeley HS 748, crashes while on approach to Don Mueang International Airport, Bangkok, Thailand, in severe weather, killing 44 of 53 on board.\nJune 20 – Air Wisconsin Flight 965, a Swearingen Metro II crashes after a catastrophic engine failure in poor weather en route to Lincoln Municipal Airport, Nebraska. 13 of the 15 passengers and crew are killed.\nJune 27 – Aerolinee Itavia Flight 870, a McDonnell Douglas DC-9, crashes into the Tyrrhenian Sea near Italy, killing all 81 people on board.\nJuly 8 – Aeroflot Flight 8913, a Tupolev Tu-154, crashes into the Black Sea near Sochi, Russia, killing all 78 people on board.

ght 4225, a Tupolev Tu-154, crashes shortly after takeoff from Almaty International Airport, killing all 163 people on board.

August 19 – Saudia Flight 163, a Lockheed L-1011 Tristar, lands at King Khalid International Airport in Riyadh, Saudi Arabia, when a fire breaks out on board; the evacuation of the plane is delayed and all 301 on board die.

September 12 – In the Florida Commuter Airlines crash, a Douglas DC-3 ditches into the Atlantic Ocean near the Bahamas, killing all 34 on board.

November 3 – In the Latin Carga Convair CV-880 crash, a Convair CV-880 crashes shortly after taking off from Caracas Airport, Venezuela. All 4 crew members are killed.

November 19 – Korean Air Flight 015, a Boeing 747, crashes on landing at Gimpo International Airport. 15 of the 226 passengers and crew on board are killed.

November 21 – Continental Micronesia Flight 614, a Boeing 727 with 73 on board, crashes on landing at Yap International Airport; all on board survive.

December 22 – Saudia Flight 162, a Lockheed L-1011 Tristar, suffers an explosive decompression over Qatar, killing two passengers who are blown out of the aircraft; the cause is traced to a fatigue failure of a main landing gear wheel flange.

1981[edit]

March 28 – Garuda Indonesia Flight 206, a Douglas DC-9, is hijacked by Komando Jihad, the pilot is killed; all others survive.

May 2 – Aer Lingus Flight 164, a Boeing 737, is hijacked while on approach to London Heathrow Airport. The hijacker demanded to be taken to Iran. The plane landed at Le Touquet – Côte d'Opale Airport. After a nearly 10-hour stand-off the hijacker was arrested. All 108 survive.

May 7 – Austral Líneas Aéreas Flight 901, a BAC One-Eleven, crashes near Aeroparque Jorge Newbery after losing control in a thunderstorm, killing all 31 on board.

June 14 – Aeroflot Flight 498, an Ilyushin Il-14, crashes into a mountain on the Holy Nose Peninsula in Lake Baikal due to crew error, killing all 48 on board.

June 26 – Dan-Air Flight 240, a Hawker Siddeley HS 748, crashes near Nailstone, Leicestershire, due to failure of the baggage door, causing rapid decompression and loss of control; all three crew on board die.

July 20 – Somali Airlines Flight 40, a Fokker F27 Friendship, crashes shortly after takeoff from Mogadishu International Airport. All 50 passengers and crew on board are killed.

July 27 – Aeromexico Flight 230, a DC-9, makes a hard landing at Chihuahua Airport, breaks up and a fire breaks out, killing 32 of the 66 people on board.

August 13 – In the G-ASWI North Sea ditching, a Bristow Helicopters Westland Wessex suffers engine failure and ditches in the North Sea, killing all 13 on board.

August 22 – Far Eastern Air Transport Flight 103, a Boeing 737, disintegrates during flight and crashes near Taipei, Taiwan; severe corrosion in the fuselage structure leads to explosive decompression and disintegration at high altitude; all 110 on board are killed.

August 24 – Aeroflot Flight 811, an Antonov An-24, collides in mid-air with a Soviet Air Force Tupolev Tu-16 over the Zavitskiy District, Russia, killing 31 of 32 on board the An-24 and all six on board the Tu-16.

August 26 – Aeropesca Colombia Flight 221, a Vickers Viscount, flies into Mount Santa Elena, killing all 50 people on board.

October 6 – NLM CityHopper Flight 431, a Fokker F28 Fellowship, is destroyed in flight by a tornado near Rotterdam, killing all 17 people on board.

November 17 – Aeroflot Flight 3603, a Tupolev Tu-154, crashes while attempting to land at Noril'sk Airport due to crew error and CFIT, killing 99 of the 167 passengers and crew on board.

December 1 – Inex-Adria Aviopromet Flight 1308, a McDonnell Douglas MD-81, crashes in the mountains while approaching Campo dell'Oro Airport in Ajaccio, Corsica, killing all 180 on board.

1982[edit]

January 13 – Air Florida Flight 90, a Boeing 737, crashes into the frozen Potomac River after takeoff from Washington National Airport, Virginia, United States; five on board survive; 74 on board and four on

the ground die, including one initial survivor who dies after ensuring that the other crash survivors are rescued from the frozen river.

January 23 – World Airways Flight 30, a McDonnell Douglas DC-10, overshoots the runway at Boston, Massachusetts, United States; two passengers are reported missing.

February 9 – Japan Airlines Flight 350, a Douglas DC-8-61, crashes on approach to Tokyo International Airport (Haneda), Japan; of the 166 passengers and eight crew, 24 passengers are killed.

March 11 – Widerøe Flight 933, a de Havilland Canada Twin Otter, crashes into the Barents Sea near Mehamn, killing all 15 on board; this accident sparked conspiracy theories in Norway.

March 20 – In the 1982 Garuda Fokker F28 crash, the Fokker F28 overruns the runway in bad weather at Tanjung Karang-Branti Airport; all 27 are killed when the aircraft bursts into flames.

March 26 – Aeropesca Colombia Flight 217, a Vickers Viscount, hits a mountain in Colombia; all 21 on board are killed.

April 26 – CAAC Flight 3303, a Hawker Siddeley Trident, crashes into a mountain near Yangsuo while on approach to Guilin Liangjiang International Airport, China, in heavy weather; all 112 on board die.

June 8 – VASP Flight 168, a Boeing 727, crashes into a hillside in Brazil, killing all 137 on board.

June 12 – A TABA Fairchild FH-227 crashes at Tabatinga Airport, Brazil; all 44 on board are killed.

June 21 – Air India Flight 403, a Boeing 707, crashes at Sahar International Airport in Bombay, India, while landing during a heavy rainstorm; 15 of 99 passengers and two of 12 crew are killed.

June 24 – British Airways Flight 9, a Boeing 747-200, flies through a cloud of volcanic ash south of Java; all engines fail in flight, forcing the plane to glide; the crew is able to restart the engines and make a safe landing.

June 28 – Aeroflot Flight 8641, a Yakovlev Yak-42, breaks-up in mid-air and crashes near Mozyr, Belarus due to a failure in the jackscrew mechanism caused by metal fatigue, killing all 132 on board in the first loss of and the deadliest accident involving the Yak-42. The crash remains the worst in Belarus.

July 6 – Aeroflot Flight 411, an Ilyushin Il-62, crashes after takeoff from Sheremetyevo International Airport; all 90 on board are killed.

July 9 – Pan Am Flight 759, a Boeing 727, crashes in Kenner, Louisiana, United States, shortly after takeoff; all 145 on board and eight people on the ground are killed.

August 11 – Pan Am Flight 830, a bomb placed under a seat cushion explodes aboard a Boeing 747-100 flying from Honolulu, Hawaii to Tokyo, Japan killing one passenger. The plane makes an emergency landing in Honolulu.

September 1 – An Aerolíneas C ndor de Havilland Canada DHC-4 Caribou flies into high ground in the Andes, Ecuador; all 44 on board are killed.

September 13 – Spantax Flight 995, a McDonnell Douglas DC-10, is destroyed by a fire after an aborted takeoff at M laga Airport, Spain; 50 of the 294 on board die.

September 29 – Aeroflot Flight 343, an Ilyushin Il-62, veers off the runway while landing at Luxembourg Findel Airport, killing seven of 77 on board.

December 9 – Aeronor Flight 304, a Fairchild F-27, crashes near La Florida Airport, Chile; all 46 on board are killed.

December 24 – CAAC Flight 2311, a Ilyushin Il-18, catches fire before landing at Baiyun Airport in Guangzhou, China, resulting 25 deaths of 69 on board though it successfully lands on the runway.

1983[edit]

January 11 – United Airlines Flight 2885, a Douglas DC-8-54F crashes shortly after taking off from Detroit Metropolitan Wayne County Airport, Michigan. All 3 crew members are killed.

January 16 – Turkish Airlines Flight 158, a Boeing 727, lands about 50 metres (160 ft) short of the runway at Ankara Esenbo a Airport, Turkey, in driving snow, breaks up and catches fire; 47 passengers are killed, all seven crew and 13 passengers survive the accident with injuries.

March 11 – In the 1983 Avensa Douglas DC-9 crash, a Douglas DC-9 crashes at Barquisimeto Airport, Venezuel



a, killing 22 passengers and one crew.\nMay 5 – Eastern Air Lines Flight 855, a Lockheed L-1011 Tristar, loses power from all engines 30 minutes after takeoff from Miami International Airport; the pilot is able to return to Miami after restarting one engine; no casualties are reported on board.\nJune 2 – Air Canada Flight 797, a McDonnell Douglas DC-9, catches fire during flight over Kentucky; 23 of 46 passengers die from smoke inhalation even after the crew successfully lands the aircraft in Cincinnati, Ohio.\nJune 8 – Reeve Aleutian Airways Flight 8, Lockheed L-188C Electra; one of the propellers broke away from its engine and struck the fuselage, damaging the flight controls. The pilots were able to make a successful emergency landing\nJuly 11 – A TAME Boeing 737-200 crashes into a hill near Cuenca, Ecuador, killing all 119 on board.\nJuly 16 – A British Airways Sikorsky S-61 helicopter crashes into the sea off the Isles of Scilly; 20 of 26 people on board die, in the worst helicopter accident in the United Kingdom to date and results in a review of helicopter safety.\nJuly 23 – Air Canada Flight 143, a Boeing 767, runs out of fuel above Manitoba because of a miscalculation; the crew successfully glides the aircraft to a safe landing at a former Air Force base (and current drag strip) at Gimli, Manitoba; the aircraft becomes known as the Gimli Glider.\nAugust 30 – Aeroflot Flight 5463, a Tupolev Tu-134A, crashes into a mountain while approaching Alma-Ata Airport, killing all 90 on board.\nSeptember 1 – Korean Air Lines Flight 007, a Boeing 747, is shot down by Soviet fighter planes near Sakhalin and Moneron Island after straying into Soviet airspace; all 269 people on board are killed.\nSeptember 14 – In the 1983 Guilin Airport collision, a PLAAF Harbin H-5 bomber collides with a CAAC Hawker Siddeley Trident 2E as it taxis for takeoff at Guilin Qifengling Airport, China. 11 of the 106 occupants aboard the Trident are killed. It is unknown how many casualties, if any, occurred aboard the Harbin H-5.\nSeptember 23 – Gulf Air Flight 771, a Boeing 737, crashes near Mina Jebel Ali, United Arab Emirates, after a bomb planted by the Abu Nidal Organization detonates on board; all 112 people on board perish.\nOctober 11 – Air Illinois Flight 710, a Hawker Siddeley HS 748, crashes near Pinckneyville, Illinois, due to electrical problems. All 10 passengers and crew on board are killed.\nNovember 8 – A TAAG Angola Airlines Boeing 737 is shot down just after takeoff from Lubango Airport; all 130 on board die.\nNovember 18 – Aeroflot Flight 6833, a Tupolev Tu-134, is hijacked by seven Georgians attempting to defect from the Soviet Union; the aircraft is stormed by Alpha Group who arrest four hijackers; three are executed while the fourth receives a jail sentence; of the 71 on board (including the hijackers), eight die; the aircraft is written off.\nNovember 27 – Avianca Flight 011, a Boeing 747, strikes a hill because of a navigational error while attempting to land in Madrid, Spain; of the 192 passengers and crew aboard, 11 survive.\nDecember 7 – In the Madrid runway disaster, an Iberia Boeing 727 collides with an Aviaco McDonnell Douglas DC-9 on a runway at Madrid-Barajas Airport; 51 people aboard the Boeing 727 and all 42 people aboard the DC-9 are killed.\nDecember 18 – Malaysian Airline System Flight 684, a Airbus A300 crashes at Kuala Lumpur Airport in Malaysia. There are no fatalities of the 247 people on board.\nDecember 20 – Ozark Air Lines Flight 650, a McDonnell Douglas DC-9, collides with a snow plow in Sioux Falls, South Dakota; all on board survive, however the driver of the snow plow is killed.\nDecember 24 – Aeroflot Flight 601, an Antonov An-24, crashes on approach to Leshukonskoye Airport due to pilot error, killing 44 of 49 on board.\n1984[edit]\nJanuary 10 – A Balkan Bulgarian Tupolev Tu-134 crashed into a forest near Sofia, Bulgaria, during a snowstorm killing all 50 people on board.\nFebruary 28 – Scandinavian Airlines System Flight 901 crashed into

a ditch after overshooting Runway 04R at John F. Kennedy Airport due to pilot error, all 177 passengers and crew onboard survived.

March 22 – Pacific Western Airlines Flight 501, a Boeing 737, suffers an uncontained engine failure during takeoff from Calgary; all passengers and crew are safely evacuated, but the plane burns to the ground.

August 5 – A Biman Bangladesh Airlines Fokker F27-600 crashed into a marsh near Zia International Airport in Dhaka, Bangladesh while landing in poor weather. With a total death toll of 49 people, it is the deadliest aviation disaster to occur on Bangladeshi soil.

August 30 – Cameroon Airlines Flight 786, a Boeing 737, with 109 passengers and seven crew on board, suffers an uncontained engine failure during taxi for takeoff at the Douala, Cameroon airport, starting a fire; two people die as the plane burns to the ground.

September 18 – Aeroservicios Ecuatorianos Flight 767-103, a Douglas DC-8-55F crashes after failing to get airborne at Quioto's Mariscal Sucre International Airport, Ecuador. All 4 crew, as well as 49 on the ground, are killed.

October 11 – Aeroflot Flight 3352, a Tupolev Tu-154B, crashes on landing at Tsentralny Airport, Omsk, Russia, killing 174 passengers and four people on the ground.

December 6 – PBA Flight 1039, an Embraer 110 Bandeirante with 13 passengers and crew on board, crashes on takeoff at Jacksonville, Florida, killing all aboard.

December 23 – Aeroflot Flight 3519, a Tupolev Tu-154B, crashes at Krasnoyarsk Airport while attempting an emergency landing following an engine fire, killing 110 of 111 on board.

1985[edit]

January 1 – Eastern Air Lines Flight 980, a Boeing 727, impacts Mount Illimani in Bolivia, killing all 29 people on board.

January 21 – Galaxy Airlines Flight 203, a Lockheed L-188 Electra, crashes shortly after takeoff from Reno-Cannon International Airport in Reno, Nevada, due to an improperly secured air start door, killing all but one of the 71 people on board.

February 1 – Aeroflot Flight 7841, a Tupolev Tu-134, crashes 6.2 miles east of Minsk National Airport after both engines failed due to ice ingestion, killing 58 of 80 on board.

February 19 – China Airlines Flight 006, a Boeing 747SP en route from Taiwan Taoyuan International Airport to Los Angeles International Airport, suffers an engine flameout off the coast of California and dives 30,000 feet (9,100m) before regaining control and landing safely at San Francisco International Airport.

February 19 – Iberia Airlines Flight 610, a Boeing 727, crashes into a television broadcast antenna installed on the summit of Monte Oiz while approaching Bilbao Airport, Spain, killing all 141 passengers and seven crew on board.

May 3 – Aeroflot Flight 8381, a Tupolev Tu-134, collides with a Soviet Air Force Antonov An-26; both aircraft crash near Zolochiv, Ukraine, killing all 94 on board both aircraft.

June 14 – TWA Flight 847, a Boeing 727, is hijacked by Lebanese militants; one passenger is murdered during the three-day ordeal.

June 21 – Braathens SAFE Flight 139, a Boeing 737, is hijacked by Stein Arvid Huseby, who demands to make a political statement; all crew and passengers survive.

June 23 – Air India Flight 182, a Boeing 747 en route from Montréal-Mirabel International Airport to London Heathrow Airport, is destroyed over the Atlantic Ocean near Ireland by a bomb planted by Sikh extremists, killing all 329 people on board.

July 10 – Aeroflot Flight 7425, a Tupolev Tu-154B, stalls while cruising at 38,000ft (11,582m) and enters an unrecoverable spin, killing all 200 aboard.

August 2 – Delta Air Lines Flight 191, a Lockheed L-1011 TriStar, crashes on approach to Dallas/Fort Worth International Airport because of wind shear from a sudden microburst thunderstorm; of the 163 passengers and crew aboard, 27 survive. One person in his car was also killed when struck by the aircraft.

August 12 – Japan Airlines Flight 123, a Boeing 747, crashes into Mount Osutaka after catastrophic failure of the pressure hull

1 severs all hydraulic lines and renders the aircraft uncontrollable, killing 520 of 524 people on board. To date, it is the worst single-aircraft disaster in history.

\nAugust 22 – British Airtours Flight 28M, a Boeing 737, aborts its takeoff from Manchester Airport, England, because of an engine fire; while 82 passengers and crew escape alive, 55 are killed, most from smoke inhalation.

\nAugust 25 – Bar Harbor Airlines Flight 1808, a Beech 99, crashes near Auburn, Maine, United States, killing all eight people on board.

\nSeptember 4 – In the 1985 Bakhtar Afghan Airlines Antonov An-26 shootdown, an Antonov An-26 is shot down over Afghanistan, killing all 52 people on board.

\nSeptember 6 – Midwest Express Airlines Flight 105, a McDonnell Douglas DC-9, crashes shortly after takeoff from General Mitchell International Airport, Milwaukee, Wisconsin, because of engine failure and pilot error, killing all 31 people on board.

\nSeptember 23 – Henson Airlines Flight 1517, a Beechcraft Model 99 crashes on approach into Shenandoah Valley Regional Airport, Virginia. All 14 passengers and crew are killed.

\nNovember 23 – EgyptAir Flight 648, a Boeing 737, is hijacked by Palestinian militants. Egyptian special forces storm the plane on the island of Malta. The incident kills 58 out of 90 passengers and all but one of the hijackers.

\nDecember 12 – Arrow Air Flight 1285, a Douglas DC-8, crashes shortly after takeoff from Gander International Airport, Newfoundland, killing all 256 passengers and crew on board, making it the worst air disaster to occur on Canadian soil to date.

\nDecember 19 – Yakutsk United Air Group Flight 101/435, an Antonov An-24, is hijacked by the co-pilot en route from Takhhtamygda to Chita and diverted to China. The aircraft lands safely at Qiqihar Airport with no casualties to the 51 on board.

\n1986[edit]\nJanuary 18 – In the 1986 Aerovías Guatemala air crash, a Sud Aviation SE-210 Caravelle crashes into a hill on approach into Santa Elena Airport, Guatemala. All 94 passengers and crew on board are killed.

\nMarch 31 – Mexicana Flight 940, a Boeing 727, crashes into high ground near Santiago Maravatío, Mexico. All 167 passengers and crew are killed in the worst ever air disaster involving the Boeing 727.

\nApril 2 – TWA Flight 840, a Boeing 727, is bombed by Palestinian militants, killing four of the 121 people on board, the plane manages to land safely in Athens.

\nMay 3 – Air Lanka Flight 512, a Lockheed L-1011, is bombed by the Liberation Tigers of Tamil Eelam, killing 21 of 148 on board.

\nMay 3 – China Airlines Flight 334, a Boeing 747, is hijacked by the pilot, who subdues the two other crew members and changes heading to land in Guangzhou. All three on board survive.

\nJune 18 – Grand Canyon Airlines Flight 6, a De Havilland Canada DHC-6 Twin Otter, collides with a Bell 206 helicopter over the Tonto Plateau, killing all 25 on board both aircraft.

\nJuly 2 – Aeroflot Flight 2306, a Tupolev Tu-134, crashes near Syktyvkar, Russia, while attempting an emergency landing following a fire in the cargo hold, killing 54 of 92 on board.

\nAugust 3 – LIAT Flight 319, a DHC-6 Twin Otter crashes into the sea en route to E. T. Joshua Airport, St. Vincent and the Grenadines. All 13 passengers and crew are killed.

\nAugust 31 – In the 1986 Cerritos mid-air collision, Aeroméxico Flight 498, a McDonnell Douglas DC-9, collides with a Piper Cherokee over Cerritos, California, killing all 67 people aboard both aircraft and 15 people on the ground.

\nSeptember 5 – Pan Am Flight 73, a Boeing 747, is hijacked on the ground at Jinnah International Airport in Karachi, Pakistan, by Palestinian militants. Twenty people die after a shootout occurs inside the plane.

\nOctober 20 – Aeroflot Flight 6502, a Tupolev Tu-134, crashes in Kuybyshev (now Samara), Russia, due to pilot error, killing 70 of 94 people on board.

\nNovember 6 – In the 1986 British International Helicopters Chinook crash, a Boeing 234LR Chinook crashes on approach to Sumburgh Airport, Shetland Islands; of 47 people on board, 45 p

erish.\nDecember 12 – Aeroflot Flight 892, a Tupolev Tu-134A, crashes near Schönefeld Airport, East Berlin after the crew misunderstands instructions from ATC, killing 72 of 82 on board; two initially survive, but die later.\nDecember 25 – Iraqi Airways Flight 163, a Boeing 737, is hijacked by Hezbollah militants while en route to Amman, Jordan. A confrontation with security forces causes the plane to crash, killing 63 of the 106 people on board.\n1987[edit]\nJanuary 3 – Varig Flight 797, a Boeing 707, crashes near Abidjan because of engine failure. Out of the 52 passengers and crew on board, there is only one survivor.\nJanuary 15 – Skywest Airlines Flight 1834, a Swearingen Metro II, collides in mid-air with a private Mooney M-20 near Salt Lake City, killing all 10 on board both aircraft.\nJanuary 16 – Aeroflot Flight 505, a Yakovlev Yak-40, crashes into the ground at Tashkent, Uzbekistan, after encountering a wake vortex from an Ilyushin Il-76 that had taken off one and a half minutes earlier, killing all nine on board.\nMarch 4 – Northwest Airlin Flight 2268, a CASA 212, crashes while attempting to land at Detroit Metropolitan Wayne County Airport in Detroit, Michigan, killing nine of the 19 passengers and crew on board.\nApril 4 – Garuda Indonesia Flight 035, a Douglas DC-9, crashes while on approach to Medan Airport; 23 of 45 on board die.\nMay 8 – American Eagle Flight 5452, a CASA C-212, crashes while landing at Mayagüez, Puerto Rico, due to maintenance issues and pilot error. All four passengers survive, both crew are killed.\nMay 9 – LOT Flight 5055, an Ilyushin Il-62M, crashes near Warsaw during landing because of engine failure. All 183 passengers and crew members perish in the accident.\nJune 19 – Aeroflot Flight 528, a Yakovlev Yak-40, overruns the runway on landing at Berdyansk, Ukraine, killing eight of 29 on board.\nJune 27 – Philippine Airlines Flight 206, a Hawker Siddeley HS 748, crashes on the slopes of Mount Ugo, Benguet, as it begins its approach to Loakan Airport in Baguio City; all 50 passengers and crew are killed. Poor visibility is blamed for the crash.\nJuly 30 – In the 1987 Belize Air International C-97 Mexico City crash, a Boeing C-97G Stratofreighter crashes on to a highway shortly after taking off from Mexico City International Airport, Mexico. Five of the twelve passengers and crew are killed, as well as 44 on the ground.\nAugust 16 – Northwest Airlines Flight 255, an McDonnell Douglas MD-82, crashes on takeoff from Detroit as a result of pilot error. Of 155 on board, four-year-old Cecelia Cichan is the only survivor. Two people on the ground in a car also are killed.\nAugust 31 – Thai Airways Flight 365, a Boeing 737, crashes into the ocean off the coast of Thailand as a result of pilot error. All 83 passengers and crew perish.\nOctober 15 – Aero Trasporti Italiani Flight 460, a ATR 42-312, crashed into a mountain 15 minutes after take off. Pilot error. All 37 on board perish.\nNovember 15 – Continental Airlines Flight 1713, a McDonnell Douglas DC-9, crashes on takeoff during a snowstorm at Denver's Stapleton International Airport, killing 25 passengers and three crew.\nNovember 28 – South African Airways Flight 295, a Boeing 747, crashes into the Indian Ocean after a fire in the cargo hold. All 159 aboard die.\nNovember 29 – Korean Air Flight 858, a Boeing 707, crashes into the Andaman Sea after a bomb explodes on board. All 115 people on board are killed.\nDecember 7 – Pacific Southwest Airlines Flight 1771, a BAe 146, is hijacked and deliberately crashes near Cayucos, California, by a disgruntled airline employee. All 43 people on board, including the hijacker, are killed.\nDecember 13 – Philippine Airlines Flight 443, a Shorts 360-300, crashes into Mt. Gurain on the island of Mindanao. All 15 passengers and crew on board are killed.\n1988[edit]\nJanuary 2 – Condor Flight 3782, a Boeing 737, crashes into a mountain near Seferihisar, Turkey, due to a navigation error, killing all 16 on board.\nJanuary 18 – China Southwe

st Airlines Flight 4146, an Ilyushin Il-18, crashes while on approach to Chongqing Airport in China. All 108 passengers and crew on board are killed.

January 19 – Trans-Colorado Airlines Flight 2286, a Swearingen SA.227AC Metro III, crashes while on approach to Durango-La Plata Airport. Nine of the 17 passengers and crew on board are killed.

February 8 – Nürnberger Flugdienst Flight 108, a Swearingen Metroliner III crashes while en route to Düsseldorf Airport, Germany. The crew become disoriented after the aircraft is struck by lightning, leading to an uncontrollable spin. The aircraft disintegrates mid-air, resulting in the deaths of all 21 passengers and crew on board.

February 19 – AVA Flight 3378, a Swearingen Metroliner III, crashes on take off from Raleigh-Durham Airport due to pilot error, killing all 12 on board.

March 4 – TAT Flight 230, a Fairchild FH-227, crashes near Fontainebleau, France, killing all 23 on board; an electrical problem is suspected.

March 17 – Avianca Flight 410, a Boeing 727, crashes into terrain near Cúcuta, Colombia after takeoff as a result of pilot error. All 142 people on board die.

April 5 – Kuwait Airways Flight 422, a Boeing 747, is hijacked en route from Bangkok to Kuwait by Lebanese guerillas demanding the release of Shiite prisoners held by Kuwait, leading to a hostage crisis lasting 16 days and encompassing three continents. The flight, initially forced to land at Mashhad in northeastern Iran, travels 3,200 miles to Larnaca, Cyprus and finally to Algiers. Two passengers are shot dead by the hijackers. The remainder of the 112 passengers and crew, including three members of the Kuwaiti royal family, are eventually released and the hijackers allowed to leave Algeria.

April 28 – Aloha Airlines Flight 243, a Boeing 737, suffers explosive decompression during flight but manages to land safely. Of 95 people on board, one flight attendant is blown out of the plane and killed, and several passengers are injured.

May 6 – Widerøe Flight 710, a Dash 7, crashes in Torghatten, Norway, in thick fog, killing all 36 passengers in the worst-ever Dash 7 accident.

May 24 – TACA Flight 110, a Boeing 737, suffers dual engine failure due to water ingestion; the aircraft lands safely at NASA's Michoud Assembly Facility in New Orleans; all on board survive.

June 12 – Austral Líneas Aéreas Flight 46, a McDonnell Douglas DC-9, crashes short of the runway at Libertador General Jose de San Martin Airport, killing all 22 on board.

June 26 – Air France Flight 296, an Airbus A320, makes a low pass over Mulhouse-Habsheim Airport in landing configuration during an air show and crashes into trees at the end of the runway. Of 130 passengers aboard, three die.

July 3 – Iran Air Flight 655, an Airbus A300, is shot down over Iranian waters by the missile cruiser USS Vincennes; all 290 people on board are killed.

July 13 – The 1988 British International Helicopters Sikorsky S-61N crash: a Sikorsky S-61 ditches in the North Sea due to an engine fire; all 21 on board survive.

August 31 – CAAC Flight 301, a Hawker Siddeley Trident operating a Guangzhou Baiyun Airport to Hong Kong Kai Tak Airport flight, runs off the runway. Seven of the 89 passengers and crew on board are killed.

August 31 – Delta Air Lines Flight 1141, a Boeing 727, crashes on takeoff from Dallas-Fort Worth International Airport as a result of pilot error; of 108 people on board, 12 passengers and two crew members are killed.

September 9 – Vietnam Airlines Flight 831, a Tupolev Tu-134, crashes on approach to Don Mueang International Airport in Bangkok. 76 of the 90 passengers and crew on board are killed.

September 15 – Ethiopian Airlines Flight 604, a Boeing 737, crashes on takeoff after suffering multiple bird strikes; 35 of 98 passengers die, all six crew survive.

October 17 – Uganda Airlines Flight 775 crashes while attempting to land at Roma-Fiumicino Airport. 33 of the 52 passengers and crew on board are killed.

October 19 – Indian Airlines Flight 113, a Boeing 7

37, crashes on approach 2.6\xa0km short of the runway in poor visibility in Ahmedabad, India, killing 133 of the 135 people on board.\nNovember 2 – LOT Flight 703, an Antonov An-24, crashes on approach to Rzeszów-Jasionka Airport, killing one passenger, all others survive.\nDecember 21 – Pan Am Flight 103, a Boeing 747, disintegrates in the air over Lockerbie, Dumfries and Galloway, Scotland, after a terrorist bomb explodes on board. All 259 people on board and 11 on the ground are killed. The incident is also known as the Lockerbie air disaster.\n1989[edit]\nJanuary 8 – British Midland Flight 92, a Boeing 737, crashes near Kegworth, Leicestershire, United Kingdom, after one of its engines loses a fan blade and fails. Of the 118 passengers and eight crew, 79 survive. The incident became known as the Kegworth air disaster and is the first loss of a Boeing 737-400.\nFebruary 8 – Independent Air Flight 1851, a Boeing 707, crashes into a hill on approach to Santa Maria, the Azores. All 144 people on board are killed.\nFebruary 19 – Flying Tiger Line Flight 66, a Boeing 747 crashes near Kuala Lumpur, Malaysia, on approach to land, killing all four on board. The crash is caused by miscommunication between ATC and the crew.\nFebruary 24 – United Airlines Flight 811, a Boeing 747, suffers an explosive decompression shortly after takeoff from Honolulu, Hawaii, United States, caused by a cargo door that burst open during flight. Of 355 people on board, nine passengers are blown out of the plane, but the crew manage to land safely at Honolulu.\nMarch 10 – Air Ontario Flight 1363, a Fokker F28, crashes immediately after takeoff from Dryden, Ontario, Canada, because of ice on the wings, killing 24 of 69 people on board.\nJune 7 – Surinam Airways Flight 764, a Douglas DC-8, crashes while attempting to land in heavy fog at Paramaribo, Suriname. The plane hits trees and flips upside down, killing 176 of 187 people on board.\nJuly 19 – United Airlines Flight 232, a McDonnell Douglas DC-10, suffers a complete hydraulic system failure over Iowa, United States, after the tail-mounted engine disintegrates. The crew maintains partial control of the aircraft using differential throttle, bringing it to a crash landing on the runway of the Sioux City, Iowa, airport. Of the 296 people on board, 111 die.\nJuly 27 – Korean Air Flight 803, a McDonnell Douglas DC-10, crashes while attempting to land in heavy fog at Tripoli, Libya. 75 of the 199 passengers and crew on board plus four people on the ground are killed in the accident.\nAugust 3 – Olympic Aviation Flight 545, a Shorts 330-220, crashes into Mount Kerkis in Greece. All 34 passengers and crew on board are killed.\nAugust 25 – Pakistan International Airlines Flight 404, a Fokker F27, disappears on a flight with 54 on board; the wreckage has never been found.\nSeptember 3 – Cubana de Aviación Flight 9646, an Ilyushin Il-62M, crashes while trying to take off from José Martí International Airport in Havana, Cuba. All 126 people on board the aircraft plus 45 people on the ground are killed in the crash.\nSeptember 3 – Varig Flight 254, a Boeing 737, runs out of fuel because of incorrect navigation and crashes in the Brazilian jungle, killing 13 of the 54 people on board.\nSeptember 8 – Partnair Flight 394, a Convair 580, crashes into the North Sea after its tail section falls off in mid-air. All 55 people on board perish. The disaster is blamed on counterfeit aircraft parts.\nSeptember 19 – UTA Flight 772, a McDonnell Douglas DC-10, explodes in mid-air over the Sahara desert when a bomb hidden in its forward cargo hold detonates. All 170 people on board are killed. Responsibility for the bombing is later traced back to Abdullah Senussi, the brother-in-law of Libyan leader Muammar al-Gaddafi, whose government in 2003 agrees to pay compensation to the victims.\nSeptember 20 – USAir Flight 5050, a Boeing 737, overruns the runway after a tire on a nosewheel bursts due to a mistrimmed rudder; two passengers die.\nOctober 21 – Tan-Sahsa Flight 414,

a Boeing 727, crashes into a mountain known as Cerro de Hula near Tegucigalpa, Honduras, due to pilot error; 127 of 146 on board die.

October 26 – China Airlines Flight 204, a Boeing 737, crashes into the Chiashan mountain range after takeoff from Hualien Airport due to pilot error; all 54 on board perish.

November 27 – Avianca Flight 203, a Boeing 727, explodes in mid-air over Colombia, killing all 107 people on board and three people on the ground. The Medellín Cartel claimed responsibility for the attack.

December 15 – KLM Flight 867, a Boeing 747 flying from Amsterdam to Anchorage, Alaska, flies through a cloud of volcanic debris, subsequently losing power from all four engines. The crew is able to restart the engines and land the plane safely.

December 26 – United Express Flight 2415, a BAE Jetstream 31 operated by North Pacific Airlines crashes while attempting to land at Tri-Cities Airport, Washington. All 6 passengers and crew are killed.

1990[edit]

January 4 – Northwest Airlines Flight 5, a Boeing 727 with 145 on board, loses an engine over Madison, Florida, the aircraft makes an emergency landing at Tampa International Airport, all on board survive.

January 16 – SAS Flight 32, crashes into a mountain just after takeoff from Juan Santamaría International Airport in San José, Costa Rica, killing all 20 passengers and three crew on board.

January 25 – Avianca Flight 52, a Boeing 707, runs out of fuel and crashes while attempting to land at John F. Kennedy International Airport in New York; of the 158 people on board, 85 survive.

February 14 – Indian Airlines Flight 605, an Airbus A320, crashes on its final approach to Bangalore Airport. 92 out of 146 people on board are killed.

April 9 – Atlantic Southeast Airlines Flight 2254, an Embraer EMB 120 Brasília, collides with a Cessna 172, both on the Cessna die. Flight 2254 lands; all seven on board survive.

April 12 – Widerøe Flight 839, a DHC-6 Twin Otter, crashes into water just after takeoff from Værøy Airport, killing all five people on board.

May 11 – Philippine Airlines Flight 143, a Boeing 737, explodes and burns on the ground at Ninoy Aquino International Airport, killing eight of 120 on board.

June 10 – British Airways Flight 5390, a BAC One-Eleven, suffers explosive decompression over Didcot, Oxfordshire, England, when one of the front windscreen panes blows out. The captain is partially blown out of the cockpit, but a flight attendant manages to keep the unconscious man from falling out of the aircraft. The first officer lands the aircraft safely at Southampton Airport. All on board survive.

October 2 – In the Guangzhou Baiyun airport collisions, a hijacked Boeing 737 operating Xiamen Airlines Flight 8301 clips China Southwest Airlines Flight 2402, a Boeing 707, during landing at Guangzhou Baiyun International Airport, and collides with China Southern Airlines Flight 2812, a Boeing 757; of the 225 occupants on board the three aircraft, 128 die.

November 14 – Alitalia Flight 404, a McDonnell Douglas DC-9, crashes on approach to Zürich Airport, Switzerland, killing all 46 people on board.

December 3 – Northwest Airlines Flight 1482, a McDonnell Douglas DC-9, collides with Northwest Airlines Flight 299, a Boeing 727, when the crew of the DC-9 mistakenly taxis onto the active runway at Detroit Metropolitan Wayne County Airport; eight of the 54 people on board the DC-9 are killed; all 154 people on board the Boeing 727 survive.

1991[edit]

February 1 – USAir Flight 1493, a Boeing 737, is landing at Los Angeles International Airport when it strikes SkyWest Airlines Flight 5569, a Fairchild Metro commuter plane, waiting to take off from the same runway. All 12 people aboard the Metro and 21 of the 89 on the Boeing 737 are killed at the time, and two more from the Boeing die three days and 31 days after the crash.

March 3 – United Airlines Flight 585, a Boeing 737, crashes while attempting to land at Colorado Springs Airport, Colorado, killing all 25 people on board. The cause of the

e crash is not identified until the investigation into the crash of USAir Flight 427 in 1994; both crashes are eventually attributed to defects in a valve associated with the rudder.

March 5 – Aeropostal Alas de Venezuela Flight 108, a McDonnell Douglas DC-9 crashes into a mountain shortly after taking off from La Chinita International Airport, Venezuela. All 45 passengers and crew are killed.

March 26 – Singapore Airlines Flight 117, an Airbus A310, is hijacked by Pakistani militants en route to Singapore Changi Airport, where, upon landing, it is stormed by Singapore Special Operations forces. All of the hijackers are killed in the operation, with no fatalities among the passengers and crew.

April 5 – Atlantic Southeast Airlines Flight 2311, an Embraer EMB 120RT, rolls sharply and crashes on final approach to Brunswick, Georgia, killing all 23 people on board.

May 26 – Lauda Air Flight 004, a Boeing 767, disintegrates in mid-air over Uthai Thani Province and Suphan Buri Province, Thailand, killing all 223 people on board. A thrust reverser had accidentally deployed in flight, causing the disaster. It is the first fatal crash of a Boeing 767.

July 10 – L'Express Airlines Flight 508, a Beechcraft Model 99, crashes while on approach Birmingham Municipal Airport, Alabama, due to severe thunderstorms, killing 13 people on board.

July 11 – Nigeria Airways Flight 2120, a Nationair McDonnell Douglas DC-8 chartered by Nigeria Airways to transport Nigerian pilgrims to Mecca, crashes shortly after takeoff from King Abdulaziz International Airport, Jeddah, Saudi Arabia, because of a fire caused by tire failure. All 261 on board die, including 14 Canadian crew members.

August 16 – Indian Airlines Flight 257, a Boeing 737, hits high ground during descent about 30 km from the Imphal airport. All six crew members and 63 passengers are killed.

September 11 – Continental Express Flight 2574, an Embraer EMB 120RT, crashes on descent in Eagle Lake, Texas, killing all 14 people on board. Maintenance crews traded work shifts during repairs to the horizontal stabilizer, inadvertently leaving 47 bolts missing. Reformers pointed to this error and called for development of a "safety culture".

December 27 – Both engines of Scandinavian Airlines Flight 751, a McDonnell Douglas MD-81, surge shortly after takeoff from Stockholm Arlanda Airport. The pilots successfully make an emergency landing in a nearby field, injuring 25 passengers but incurring not a single fatality.

December 29 – China Airlines Flight 358, a Boeing 747 freighter, suffers double engine separation and crashes into a hill near Wanli, Taipei, Taiwan, killing all five crew on board.

1992[edit]

January 3 – CommutAir Flight 4281, a Beechcraft 1900C crashes on approach into Adirondack Regional Airport, New York. Two of the four occupants are killed.

January 20 – Air Inter Flight 148, an Airbus A320, crashes in the Vosges Mountains on approach to Strasbourg, France, killing 87 of 96 people on board.

March 22 – USAir Flight 405, a Fokker F-28, crashes on takeoff from New York because of ice buildup. Twenty-seven of the 51 people on board are killed.

June 6 – Copa Airlines Flight 201, a Boeing 737-200 Advanced, crashes near Darién, Panama, killing all 47 passengers and crew on board; a faulty attitude indicator is the cause.

June 7 – American Eagle Flight 5456, a CASA C-212 Aviocar operated by Executive Airlines crashes on approach into Eugenio María de Hostos Airport, Puerto Rico. All five passengers and crew are killed.

June 8 – GP Express Flight 861, a Beechcraft Model 99 crashes on approach into Anniston Metropolitan Airport, Alabama. Three of the six passengers and crew on board are killed.

July 24 – Mandala Airlines Flight 660, a Vickers Viscount 816, crashes on approach to Pattimura Airport, Ambon, Indonesia, killing all 63 passengers and seven crew on board.

July 30 – TWA Flight 843 aborts takeoff at John F. Kennedy International Airport. The Lockheed L-1011 turns off the runway onto grass in order to



avoid striking a concrete barrier. The plane is destroyed by fire shortly after all 292 passengers and crew evacuate with no loss of life.

July 31 – Thai Airways International Flight 311, an Airbus A310, crashes on approach into Kathmandu, Nepal, killing all 14 crew and 99 passengers on board.

July 31 – China General Aviation Flight 7552, a Yakovlev 42D, loses control just after takeoff from Nanjing Airport and crashes into a pond; 108 of 126 on board die.

August 27 – Aeroflot Flight 2808, a Tupolev Tu-134, crashes into buildings while attempting to land at Ivanovo Yuzhny Airport, killing all 84 on board.

September 28 – Pakistan International Airlines Flight 268, an Airbus A300, crashes near Kathmandu, Nepal, killing all 12 crew and 155 passengers.

October 4 – El Al Flight 1862, a Boeing 747, freighter, crashes into high-rise apartment buildings in Amsterdam after two of its engines detach from the wing. Forty-three people, including the plane's crew of three, are killed.

October 18 – Merpati Nusantara Airlines Flight 5601, a CASA/IPTN CN-235, crashes into Mount Papandayan near the town Garut in Indonesia. All 31 passengers and crew on board are killed.

November 14 – Vietnam Airlines Flight 474, a Yakovlev Yak-40, crashes while on approach to Nha Trang Airport in a tropical storm. Thirty people on board are killed.

November 24 – China Southern Airlines Flight 3943, a Boeing 737-300, crashes on descent to Guilin Airport, killing all 141 aboard.

December 21 – Martinair Flight 495 crashes in Faro, Portugal, killing 54 people and injuring 106.

December 22 – Libyan Arab Airlines Flight 1103, a Boeing 727, collides with a Libyan Air Force MiG-23 near Tripoli International Airport, killing all 159 on board both aircraft.

1993[edit]

January 6 – Lufthansa CityLine Flight 5634, a de Havilland Canada DHC-8, crashes short of the runway at Paris-Charles de Gaulle Airport, killing four of 23 on board.

February 8 – In the 1993 Tehran mid-air collision, an Iran Air Tours Tupolev Tu-154 collides in mid-air with an Iranian Air Force Sukhoi Su-24, killing all 133 on board both aircraft.

February 11 – Lufthansa Flight 592, an Airbus A310 was hijacked and forced the pilot to fly to John F. Kennedy International Airport. Plane landed safely and the man surrendered. All 104 on board survived.

March 5 – Palair Macedonian Airlines Flight 301, a Fokker 100, crashes shortly after takeoff from Skopje Airport in Macedonia; 83 of the 97 passengers and crew on board are killed.

April 6 – China Eastern Airlines Flight 583, a McDonnell Douglas MD-11, makes an emergency landing at Shemya Air Force Base after the slats are accidentally deployed in mid-air near the Aleutian Islands; all on board initially survive, but two die later.

April 18 – Japan Air System Flight 451, a McDonnell Douglas DC-9, encounters windshear and skids off the runway at Hanamaki Airport; all on board survive.

April 26 – Indian Airlines Flight 491, a Boeing 737, strikes a large vehicle on a road just outside Aurangabad Airport, killing 55 of the 118 people on board.

May 19 – SAM Colombia Flight 501, a Boeing 727, crashes into Mount Paramo Frontino, killing all 132 on board.

July 1 – Merpati Nusantara Airlines Flight 724, a Fokker F27, collided with a small hill before the sea, broke up and plunged into the sea shortly after. 41 people were killed in the crash.

July 23 – China Northwest Airlines Flight 2119, a BAe 146, overruns the runway at Yinchuan Hedong Airport, Ningxia, China after an aborted takeoff; the aircraft crashes into a lake, killing 54 passengers and one crew member.

July 26 – Asiana Airlines Flight 733, a Boeing 737, crashes into a mountain in Haenam, South Korea, after failed landing attempts, killing 78 of the 110 people on board; this crash is the first loss of a Boeing 737-500.

August 28 – A Tajik Air Yakovlev Yak-40 overruns the runway on takeoff from Khorog Airport and crashes due to severe overloading, killing 82 of 86 on board; the accident is the deadliest involving the Yak-4

0 as well as the deadliest accident in Tajikistan to date.\nSeptember 14 – Lufthansa Flight 2904, an Airbus A320, crashes after overrunning the runway in Warsaw, Poland, killing two and injuring 68 of the 72 people on board.\nSeptember 21 – In the first of the three Transair Georgia airliner shootdowns, a Tupolev Tu-134A is hit on approach to Sukhumi-Babusheri Airport by a surface-to-air missile; the plane crashes into the Black Sea, killing all five crew members and all 22 passengers.\nSeptember 22 – In the second of the three Transair Georgia airliner shootdowns, a Tupolev Tu-154, carrying soldiers from Tbilisi, is shot down on landing in the Sukhumi-Babusheri Airport; the plane crashes on the runway and catches fire, killing 108 of the 132 people on board.\nOctober 26 – China Eastern Airlines Flight 5398, a McDonnell Douglas MD-82, overruns the runway at Fuzhou Changle International Airport in heavy weather, killing two of 80 on board.\nOctober 27 – Widerøe Flight 744, a de Havilland Canada DHC-6 Twin Otter, crashes in Overhalla, Norway, on approach to Namsos Airport, killing both pilots and four passengers; the crash is also known as the Namsos Accident.\nNovember 4 – China Airlines Flight 605, a Boeing 747-400, overruns Kai Tak Airport's runway 13 on landing during a typhoon; the aircraft is unable to stop before crashing into Hong Kong harbor; all 374 on board escape safely; this crash is the first loss of a Boeing 747-400.\nNovember 13 – China Northern Airlines Flight 6901, a McDonnell Douglas MD-82, crashes on approach to Ürümqi Diwopu International Airport, Xinjiang, China; killing 12 of the 102 on board; pilot error is blamed.\nNovember 20 – Avioimpex Flight 110, a Yakovlev Yak-42, crashes on approach to Ohrid Airport in Macedonia; all 116 passengers and crew die as a result of the crash, though one passenger lived for 11 days before succumbing to his injuries.\nDecember 1 – Northwest Airlink Flight 5719, a Jetstream 31, crashes into two ridges east of Hibbing, Minnesota, killing all 18 on board.\n1994[edit]\nJanuary 3 – Baikal Airlines Flight 130, a Tupolev Tu-154, loses control and crashes near Irkutsk, Russia, after the hydraulic system failed due to an engine fire, killing all 124 on board and one person on the ground.\nJanuary 7 – United Express Flight 6291, a BAe Jetstream 41 crashes on approach into Port Columbus International Airport, Ohio. Five of the eight passengers and crew are killed.\nFebruary 24 – Pulkovo Aviation Enterprise Flight 9045, an Antonov An-12BP crashes on approach into Nalchik Airport, Russia. All 13 passengers and crew are killed. The aircraft was carrying 12,515kg of coins from the Saint Petersburg Mint.\nMarch 23 – Aeroflot Flight 593, an Airbus A310, crashes into a wooded hillside in Siberia. All 75 passengers and crew are killed.\nApril 4 – KLM Cityhopper Flight 433, a Saab 340, crashes while trying to return to Schiphol Airport, due to pilot error and equipment failure; the pilot and two passengers die, nine passengers are injured.\nApril 7 – Federal Express Flight 705, a McDonnell Douglas DC-10-30, experiences an attempted hijacking by a FedEx employee; the three crew members are severely injured, but manage to subdue the attacker and land the aircraft safely with no loss of life.\nApril 26 – China Airlines Flight 140, an Airbus A300, crashes while landing at Nagoya, Japan, as a result of pilot error. 264 of the 271 people on board die.\nJune 6 – China Northwest Airlines Flight 2303, a Tupolev Tu-154M, breaks up in mid-air and crashes near Xian, China, killing all 160 on board. The deadliest airplane crash ever to occur in China is attributed to a maintenance error.\nJuly 1 – Air Mauritanie Flight 625, a Fokker F28 Fellowship crashes on landing at Tidjikja Airport, Mauritania in sandstorm conditions. 80 of the 93 passengers and crew are killed.\nJuly 2 – USAir Flight 1016, a McDonnell Douglas DC-9, crashes while attempting to land at Charlotte, North Carolina, during a thunderstorm. 37 of the 57 people on board are ki

lled.\nJuly 19 – Alas Chiricanas Flight 901, an Embraer EMB-110, explodes in mid-air over Panama, killing all 21 people on board. Investigators conclude that a suicide bomber caused the plane to explode, although motives and affiliation of the bomber remain unclear.\nAugust 21 – Royal Air Maroc Flight 630, an ATR-42, is deliberately crashed into the Atlas Mountains, killing all 44 on board.\nSeptember 8 – USAir Flight 427, a Boeing 737, crashes while attempting to land at Pittsburgh International Airport, killing all 132 people on board. Investigations showed that a fault in the Boeing 737 rudder was to blame for the crash.\nSeptember 26 – 1994 Vanavara Air Disaster, a Yakovlev Yak-40 operated by Cheremshanka Airlines crashes near Vanavara, Russia after running out of fuel in bad weather, killing 28 passengers and crew.\nOctober 12 – Iran Aseman Airlines Flight 746, a Fokker F-28, crashes into a mountain near Natanz, Iran, due to double engine failure, killing all 66 on board.\nOctober 31 – American Eagle Flight 4184, an ATR 72 turboprop, crashes near Roselawn, Indiana, while waiting to land at Chicago, because of ice buildup on its wings. All 68 people on board die.\nNovember 22 – TWA Flight 427, a McDonnell Douglas MD-82, collides with a Superior Aviation Cessna 441 on the runway at Lambert-St. Louis International Airport, killing the pilot and passenger in the Cessna; there are no fatalities on board the MD-82.\nDecember 11 – A bomb explodes on board Philippine Airlines Flight 434, a Boeing 747, killing one passenger, in a prelude to the terrorist Bojinka plot. Despite subsequent difficulties in controlling the aircraft, the crew succeeds in making an emergency landing at Naha, Okinawa.\nDecember 21 – Air Algérie Flight 702P, a Boeing 737, crashes on approach to Coventry Airport, England, killing all 5 on board.\nDecember 24 – Air France Flight 8969, an Airbus A300, is hijacked on the tarmac at Algiers, Algeria, by the militant group GIA. After a two-day standoff, the plane is allowed to fly to Marseille, France, where it is stormed by French commandos who kill the hijackers.\nDecember 29 – Turkish Airlines Flight 278, a Boeing 737-400, crashes on final approach to Van Ferit Melen Airport in eastern Turkey in driving snow. Five of the seven crew and 52 of the 69 passengers are killed.\n1995[edit]\nJanuary 11 – Intercontinental de Aviación Flight 256, a Douglas DC-9, crashes in a lagoon near María La Baja, Colombia due to an improperly set altimeter, killing 51 of 52 on board.\nJanuary 19 – Bristow Flight 56C, a Eurocopter Super Puma, is struck by lightning and is forced to make an emergency landing in the North Sea; all 18 on board survive.\nMarch 31 – TAROM Flight 371, an Airbus A310, crashes near Balotești, Romania due to mechanical failure and pilot error, killing all 60 on board.\nMay 24 – Knight Air Flight 816, an Embraer EMB 110 Bandeirante crashes whilst trying to return to Leeds Bradford Airport, UK in poor weather. All 12 passengers and crew are killed.\nJune 9 – Ansett New Zealand Flight 703, a de Havilland Canada DHC-8, crashes during a landing approach near the Tararua Ranges, New Zealand, killing four of the 21 people on board.\nAugust 9 – Aviateca Flight 901, a Boeing 737, crashes into San Vicente volcano while on approach to Cuscatlán International Airport; all 65 on board die.\nAugust 21 – Atlantic Southeast Airlines Flight 529, an Embraer EMB 120, crashes in a field near Carrollton, Georgia, United States, killing nine of the 29 people on board.\nSeptember 15 – Malaysia Airlines Flight 2133, a Fokker 50, crashes into a shantytown in Malaysia due to pilot error, killing 34 of 53 on board.\nNovember 12 – American Airlines Flight 1572, a McDonnell Douglas MD-83, shears off treetops on approach, trees ingested into the engine causing the engine to flame out and shutdown. The aircraft impacts the runway antenna equipment before rolling to a stop. There is one minor injury of the 78 people on board.\nNovember 13 – Nigeria Airways Flight 357, a Boeing 73

7, overruns the runway while landing at Kaduna Airport, killing 11 of 138 on board.

December 3 – Cameroon Airlines Flight 3701, a Boeing 737, loses control and crashes while on approach to Douala International Airport, Cameroon; of the 76 on board, five survive.

December 5 – Azerbaijan Airlines Flight 56, a Tupolev Tu-134, crashes on climbout from Nakhchivan Airport after an engine fails due to improper maintenance, killing 52 of 82 on board.

December 7 – Khabarovsk United Air Group Flight 3949, a Tupolev Tu-154B crashes after entering a steep downward spiral while at cruising altitude. All 98 passengers and crew are killed.

December 7 – In the 1995 Air St. Martin Beech 1900 crash, a Beechcraft 1900D crashes near Belle-Anse, Haiti, killing all 20 people on board.

December 13 – Banat Air Flight 166, a Romavia Antonov An-24, crashes after taking off from Verona Airport, because of overloading and ice accumulation on the wings; all 49 people on board are killed.

December 18 – In the 1995 Trans Service Airlift Electra crash, a Lockheed L-188 Electra crashes shortly after takeoff from Jamba, Angola, due to overloading and shifting baggage; of the 144 people on board, only three survive.

December 20 – American Airlines Flight 965, a Boeing 757, crashes into a mountain while approaching Alfonso Bonilla Aragón International Airport in Palmira, Colombia, killing 159 of 163 on board.

1996[edit]

January 8 – 1996 Air Africa crash, an overloaded Antonov An-32 aborts takeoff and overruns into a market in Kinshasa, Democratic Republic of the Congo, killing 227 people on the ground.

February 6 – Birgenair Flight 301, a Boeing 757, with 189 people on board, crashes into the ocean off Puerto Plata in the Dominican Republic shortly after taking off. All passengers and crew are killed.

February 29 – Faucett Flight 251, a Boeing 737, crashes into a hill while attempting to land at Arequipa, Peru. All 123 people on board die.

May 11 – ValuJet Flight 592, a McDonnell Douglas DC-9, crashes in the Everglades near Miami, Florida, because of a fire in its cargo hold. All 110 people on board are killed.

June 9 – Eastwind Airlines Flight 517, a Boeing 737-200, loses rudder control while on approach to Richmond International Airport, Richmond, Virginia, and makes an emergency landing; no fatalities.

June 13 – Garuda Indonesia Flight 865, a McDonnell Douglas DC-10, aborts takeoff due to an engine failure and crashes into a threshold at Fukuoka Airport, Fukuoka, Japan, killing three of 275 on board.

July 6 – Delta Air Lines Flight 1288, a McDonnell Douglas MD-88, experiences an uncontained engine failure during takeoff on Runway 17 at Pensacola, Florida. Fragments from the number one (left) Pratt & Whitney JT8D-219 turbofan engine penetrate the fuselage, killing two and seriously injuring one of the 148 people on board.

July 17 – TWA Flight 800, a Boeing 747, explodes in mid-air above the ocean off East Moriches, New York killing all 230 people on board. 70% of passengers were sucked out during the explosion.

August 19 – Spair Airlines Flight PAR-3601, an Ilyushin Il-76, crashes near Belgrade, Yugoslavia, with 11 fatalities.

August 29 – Vnukovo Airlines Flight 2801, a Tupolev Tu-154, crashes into a mountain on Spitsbergen, an island in the Norwegian archipelago of Svalbard, killing all 141 on board.

September 3 – Hemus Air Flight 7081, a Tupolev Tu-154 is hijacked while en route from Beirut, Lebanon to Varna, Bulgaria. After landing in Varna, the 150 passengers are traded for fuel. The plane then flies on to Oslo Gardermoen Airport, Norway, where the hijacker later surrenders.

October 2 – Aeroperú Flight 603, a Boeing 757, crashes into the ocean off Pasamayo, Peru, because of a maintenance error. All 70 people on board are killed.

October 31 – TAM Transportes Aéreos Regionais Flight 402, a Fokker 100, crashes shortly after takeoff from Congonhas-São Paulo Airport, Brazil, striking an apartment building and several houses. All 90 passengers and six crew members on board die. T

three people are killed on the ground.

November 7 – ADC Airlines Flight 86, a Boeing 727, crashes when the crew loses control of the aircraft while avoiding a mid-air collision on approach to Lagos, Nigeria. All 144 passengers and crew on board are killed.

November 12 – Charkhi Dadri mid-air collision: Saudi Arabian Airlines Flight 763, a Boeing 747, collides in mid-air with Air Kazakhstan Flight 1907, an Ilyushin Il-76, near Charkhi Dadri, India. All 312 on board the Boeing 747 and all 37 on board the Ilyushin Il-76 are killed. It is the deadliest mid-air collision in aviation history.

November 19 – United Express Flight 5925, a Beechcraft 1900, collides with a privately owned Beechcraft King Air at Quincy Regional Airport, Illinois; killing all 14 on board both aircraft.

November 23 – Ethiopian Airlines Flight 961, a Boeing 767, is hijacked over Kenya. The aircraft runs out of fuel, and the pilot attempts to ditch the aircraft in the ocean off Moroni, Comoros. Of the 175 people on board, 125 are killed (including the three hijackers).

December 7 – Dirgantara Air Service Flight 5940, a CASA C-212 Aviocar crashes into a gas factory shortly after takeoff from Syamsudin Noor International Airport, Indonesia following an engine failure. 16 of the 17 passengers and crew are killed, as well as two on the ground.

1997[edit]

January 9 – Comair Flight 3272, an Embraer EMB 120 Brasília, crashes near Ida, Michigan, during a snowstorm, killing all 29 on board.

March 18 – Stavropolskaya Aktsionernaya Avia Flight 1023, an Antonov An-24, breaks up in flight and crashes near Cherkessk, Russia; all 50 on board die.

April 19 – Merpati Nusantara Airlines Flight 106, a BAe ATP crashes during a failed go-around in bad weather at Buluh Tumbang International Airport, Indonesia. 15 of the 53 passengers and crew are killed.

May 8 – China Southern Airlines Flight 3456, a Boeing 737, makes a hard landing in Shenzhen, China, during poor weather and crashes, killing 35 of the 74 people on board.

July 31 – FedEx Express Flight 14, a McDonnell Douglas MD-11, crashes upon landing at Newark Liberty International Airport; the two crew members and three passengers escape uninjured.

July 17 – Sempati Air Flight 304, a Fokker F27, crashes shortly after take off from Husein Sastranegara International Airport. 28 people were killed.

August 6 – Korean Air Flight 801, a Boeing 747, crashes while attempting to land in heavy rain at Guam International Airport; of the 254 people on board, only 26 survive.

August 10 – Formosa Airlines Flight 7601, a Dornier Do 228, crashes while attempting to land at Beigan, Lienchiang, in the Matsu Islands. All 16 passengers and crew on board are killed.

September 3 – Vietnam Airlines Flight 815, a Tupolev Tu-134, crashes on approach to Phnom Penh International Airport in heavy rain, killing 64 of the 66 people on board.

September 6 – Royal Brunei Airlines Flight 238, a Dornier Do 228, crashes into a hill side in Lambir Hills National Park, killing all 10 on board.

September 26 – Garuda Indonesia Flight 152, an Airbus A300, crashes into a mountain near Buah Nibar, Indonesia, killing all 234 on board.

October 10 – Austral Líneas Aéreas Flight 2553, a McDonnell Douglas DC-9, crashes near Fray Bentos, Uruguay, traveling from Posadas to Buenos Aires, resulting in the death of all 74 occupants.

December 15 – Tajikistan Airlines Flight 3183, a Tupolev Tu-154, crashes into the desert near Sharjah Airport, of the 86 on board, only the flight engineer survives.

December 17 – Aerosvit Flight 241, a Yakovlev Yak-42, crashes near Thessaloniki, Greece, killing all 70 people on board.

December 19 – SilkAir Flight 185, a Boeing 737, crashes into the Musi River near Palembang, Indonesia, killing all 102 people on board.

December 28 – United Airlines Flight 826, a Boeing 747, encounters severe turbulence two hours into the flight; the aircraft safely lands back in Tokyo; all survive the accident, but a passenger dies later; despite having no damage, the aircraft

is written off.\n1998[edit]\nFebruary 2 – Cebu Pacific Flight 387, a McDonnell Douglas DC-9, crashes into a mountain near Mount Sumagaya in Misamis Oriental in the Philippines, killing all 104 passengers and crew members on board.\nFebruary 16 – China Airlines Flight 676, an Airbus A300, crashes into a residential area while attempting to land in Taipei, Taiwan. All 196 people on board are killed, in addition to six on the ground.\nMarch 19 – In the 1998 Ariana Afghan Airlines crash, a Boeing 727 crashes into Sharki Baratayi Mountain while on approach to Kabul International Airport, killing all 45 on board.\nMarch 22 – Philippine Airlines Flight 137, an Airbus A320, overshoots the end of the runway while landing at Bacolod City in the Philippines, plowing through several houses. None of the passengers was harmed, but three people on the ground are killed and several more injured.\nApril 20 – Air France Flight 422, a Boeing 727 leased from TAME Airlines, crashes into the mountains east of Bogotá, Colombia, on takeoff from El Dorado International Airport of Bogotá in foggy weather. All 53 passengers and crew perish.\nMay 5 – In the 1998 Occidental Petroleum Boeing 737 crash, a Boeing 737 leased from the Peruvian Air Force crashes while on approach to Alférez FAP Alfredo Vladimir Sara Bauer Airport, killing 75 of 88 on board.\nMay 25 – PIA Flight 544, a Fokker F-27, is hijacked shortly after takeoff by three armed men. F-16 fighter jets intercept the plane and force it to land. The hijackers are arrested and sentenced to death. All 38 on board survive.\nMay 26 – The 1998 MIAT Mongolian Airlines crash: a Harbin Y-12 crashes 13 minutes after takeoff from Erdenet Airport, Mongolia, killing all 28 passengers and crew.\nJune 18 – Propair Flight 420, a Fairchild Metroliner crashes shortly after takeoff from Dorval Airport (now Montréal–Pierre Elliott Trudeau International Airport), Canada following an inflight fire. All 11 passengers and crew are killed.\nJuly 30 – Proteus Airlines Flight 706: a Beechcraft 1900D collides in mid-air with a light aircraft over Quiberon Bay. Both aircraft crash into the sea, killing 15 people.\nAugust 24 – Myanma Airways Flight 635, a Fokker F-27 Friendship, crashes while on approach to Tachilek Airport; all 36 on board die.\nAugust 29 – Cubana de Aviación Flight 389, a Tupolev Tu-154M overruns the runway whilst taking off from Quito's Mariscal Sucre International Airport, Ecuador, proceeding to crash into a soccer field. 70 of the 91 passengers and crew are killed, along with 10 on the ground.\nSeptember 2 – Swissair Flight 111, a McDonnell Douglas MD-11, crashes into the sea near Halifax, Nova Scotia in Canada, because of an onboard fire. All 229 people on board perish.\nSeptember 25 – Pauknair Flight 4101, a BAe 146, leaves Málaga but never reaches its destination in Melilla. All passengers and crew perish.\nSeptember 29 – Lionair Flight 602, an Antonov An-24, is shot down by the Liberation Tigers of Tamil Eelam and crashes off the coast of Jaffna, Sri Lanka, killing all 55 on board.\nOctober 10 – The 1998 Lignes Aériennes Congolaises crash occurs when rebels using a Strela 2 missile shoot down the Boeing 727, which crashes near Kindu, Democratic Republic of Congo, killing all 41 on board.\nDecember 11 – Thai Airways International Flight 261, an Airbus A310, crashes during poor weather near Surat Thani, Thailand. Of the 146 people on board, 102 are killed.\n1999[edit]\nFebruary 24 – China Southwest Airlines Flight 4509, a Tupolev Tu-154, crashes while on approach to Wenzhou Airport, killing all 61 passengers and crew on board.\nApril 7 – Turkish Airlines Flight 5904, a Boeing 737-400, crashes in poor weather near Hamdilli, Ceyhan, Turkey; all six crew die.\nApril 15 – Korean Air Cargo Flight 6316, a McDonnell Douglas MD-11F crashes shortly after takeoff from Shanghai Hongqiao Airport, China. All three crew members, as well as five on the ground, are killed.\nJune 1 – American Airlines Flight 1420, a McDonnell Douglas MD-82 with

139 passengers on board, skids off the runway on landing and crashes into a steel walkway at Little Rock, Arkansas during strong winds; 11 are killed, and 86 are injured.

July 24 – Air Fiji Flight 121, an Embraer EMB 110 Bandeirante crashes into a mountain en route to Nadi International Airport, Fiji. All 17 passengers and crew are killed.

July 24 – All Nippon Airways Flight 61, a Boeing 747, is hijacked by a passenger, Yuji Nishizawa, wielding a knife; after fatally stabbing the captain, he is overpowered by the crew; the first officer lands the plane safely at Haneda, Japan.

August 7 – TACV Flight 5002, a Dornier Do 228 crashes into a mountain whilst returning to São Pedro Airport, Cape Verde in poor weather. All 18 passengers and crew are killed.

August 22 – China Airlines Flight 642, a McDonnell Douglas MD-11, crashes on landing at Hong Kong International Airport during "Typhoon" Sam; of the 315 people on board, three die.

August 31 – LAPA Flight 3142, a Boeing 737, overshoots the runway in Buenos Aires, Argentina, and crashes into a golf course; of the 103 people on board, 63 are killed, as well as two on the ground.

September 5 – Necon Air Flight 128, a BAe 748 collides with a telecommunications tower whilst on approach into Kathmandu Airport, Nepal. All 15 passengers and crew are killed.

September 14 – Britannia Airways Flight 226A, a Boeing 757, veers off the runway at Girona, Catalonia Spain, while landing in a thunderstorm and comes to rest in a field, broken apart in two places; 43 on board are injured, two seriously, but a passenger initially diagnosed as "lightly injured" dies five days later of unnoticed internal injuries.

September 23 – Qantas Flight 1, a Boeing 747 runs off the runway due to a storm and comes to a complete stop just short of a golf course. All on board including 30 injured passengers survive.

October 31 – EgyptAir Flight 990, a Boeing 767 bound for Cairo, Egypt, crashes into the Atlantic Ocean off Nantucket, Massachusetts, killing all 217 passengers and crew; cause is disputed: a deliberate suicide/homicide act by the relief first officer according to the NTSB, vs. a Boeing mechanical flaw according to Egyptian aviation authorities.

November 9 – TAESA Flight 725, a McDonnell Douglas DC-9, crashes near Uruapan, Mexico, killing all 18 on board.

November 12 – Si Fly Flight 3275, an ATR 42-300 operating a UN relief flight strikes a mountain in poor weather whilst on approach into Pristina Airport, Kosovo. All 24 passengers and crew are killed.

December 7 – Asian Spirit Flight 100, a Let L-410 Turbolet, crashes into a mountain while on approach to Cauayan Airport, killing all 15 passengers and crew on board.

December 11 – SATA Air Açores Flight 530M, a BAe ATP crashes into a mountain whilst on approach into Flores Airport in the Azores. All 35 passengers and crew are killed.

December 21 – Cubana de Aviación Flight 1216, a McDonnell Douglas DC-10, overruns the runway at La Aurora International Airport, killing 16 of 314 people on board and another two on the ground.

December 22 – Korean Air Cargo Flight 8509, a Boeing 747-200F, crashes after takeoff near Great Hallingbury, England; killing all four crew.

December 24 – Indian Airlines Flight 814, an Airbus A300, is hijacked en route to Delhi, India; one hostage is killed.

December 25 – Cubana de Aviación Flight 310, a Yakovlev Yak-42D, crashes into the San Luis Hill near Bejuma, Venezuela, while on approach to Arturo Michelena International Airport; all 22 on board die.

2000[edit]

January 10 – Crossair Flight 498, a Saab 340, crashes two minutes after takeoff in Niederhasli, Switzerland, killing all 10 people on board.

January 13 – In the 2000 Marsa Brega Short 360 crash, a Short 360 ditches into the sea near Marsa Brega, Libya as a result of ice buildup. 22 of the 41 passengers and crew are killed.

January 30 – Kenya Airways Flight 431, an Airbus A310, carrying 169 passengers and 10 crew members, crashes into the Atlantic Ocean off Côte d'Ivoire after takeoff

rom Abidjan. Only 10 people survive.\nJanuary 31 – Alaska Airlines Flight 261, an MD-83, crashes into the Pacific Ocean off Point Mugu, California, after problems with its horizontal stabilizer. All 83 passengers and five crew members are killed.\nFebruary 16 – Emery Worldwide Flight 17, a DC-8-71F crashes into a salvage yard shortly after takeoff from Sacramento Mather Airport, California. All three crew members are killed.\nMarch 5 – Southwest Airlines Flight 1455, a Boeing 737-300, overruns the runway in Burbank, California. Of the 142 people on board, 43 are injured, two seriously.\nApril 19 – Air Philippines Flight 541, a Boeing 737-200, crashes in a coconut plantation on Samal Island, Davao del Norte while preparing to approach the Davao International Airport, killing all 131 people on board in the worst ever accident involving the 737-200.\nJune 22 – Wuhan Airlines Flight 343, a Xian Y-7, is struck by lightning and crashes in Hanyang District, Wuhan, killing all 42 on board and another seven on the ground in the worst ever accident involving the Y-7.\nJuly 4 – Malév Flight 262, a Tupolev Tu-154, lands on its belly at Thessaloniki International Airport in Greece. There are no serious injuries or fatalities.\nJuly 8 – Aerocaribe Flight 7831, a British Aerospace Jetstream 32, crashes near Chulum Juárez, Mexico, killing all 19 on board.\nJuly 12 – Hapag-Lloyd Flight 3378, an Airbus A310, crashes 650 metres short of the runway in Vienna after running out of fuel in flight. There are no serious injuries or fatalities.\nJuly 17 – Alliance Air Flight 7412, a Boeing 737-200, crashes into government housing in Patna, India, as it approaches the airport, killing 55 of the 58 on board and five people on the ground.\nJuly 25 – Air France Flight 4590, a Concorde crashes during takeoff from Paris, France, after striking debris on the runway, killing all 100 passengers and nine crew aboard as well as four on the ground; the entire Concorde fleet is grounded for one year.\nAugust 23 – Gulf Air Flight 072, an Airbus A320, crashes into the Persian Gulf off Manama, Bahrain, while attempting to land. All 135 passengers and eight crew members are killed.\nOctober 31 – Singapore Airlines Flight 006, a Boeing 747-400, strikes construction equipment after using a closed runway for takeoff at Chiang Kai-shek International Airport, Taiwan, killing 83 out of 179 people on board.\nNovember 15 – In the 2000 ASA Pesada Antonov An-24 crash, an Antonov An-24 suffers a catastrophic engine failure and crashes shortly after takeoff from Luanda's Quatro de Fevereiro International Airport, Angola. All 57 passengers and crew are killed.\nNovember 18 – Dirgantara Air Service Flight 3130, a Britten Norman Islander BN-2 crashes shortly after take off from Datah Dawai Airport in East Kalimantan, Indonesia. No one is killed, but all on board were injured, 11 seriously.\nDecember 20 – British Airways Flight 2069, in Sudanese airspace at 35,000 feet, a hijacker storms the cabin in an attempt to send the plane into a nosedive. However, Captain William Hagan and First Officer Richard Webb help subdue the mentally ill hijacker, while First Officer Phil Watson levels the flight. None of the 398 on board is seriously injured.\n2001[edit]\nJanuary 23 – Yemenia Flight 448, a Boeing 727, is hijacked 15 minutes after takeoff from Sana'a International Airport, Yemen; the crew makes an emergency landing at Djibouti; the hijacker is subdued with no casualties to the 101 on board.\nJanuary 25 – RUTACA Airlines Flight 225, a Douglas DC-3 crashes shortly after takeoff from Tomás de Heres Airport, Venezuela as a result of an engine failure. All 24 passengers and crew were killed.\nJanuary 31 – In the 2001 Japan Airlines mid-air incident, Japan Airlines Flight 907, a Douglas DC-10, and Japan Airlines Flight 958, a Boeing 747, narrowly avoid colliding by a margin of 36 feet (11 meters) near Yaizu, Japan.\nFebruary 27 – Loganair Flight 670A, a Short 360 operating a postal flight crashes shortly after takeoff from



Edinburgh Airport, Scotland as a result of a double engine failure. Both crew members are killed.

March 3 – Thai Airways International Flight 114, a Boeing 737-400 is destroyed by an explosion while on the tarmac at Don Mueang Airport, Thailand. One flight attendant is killed in the explosion, which happened prior to boarding.

March 24 – Air Caraïbes Flight 1501, a DHC-6 Twin Otter crashes into a house whilst on approach into Saint Barthélemy Airport, Guadeloupe. All 19 passengers and crew, as well as one person on the ground, are killed.

March 29 – In the 2001 Avjet Aspen crash, an Avjet charter flight, a Gulfstream III jet with 15 passengers and three crew, crashes on approach into Aspen, Colorado, killing all on board.

July 4 – Vladivostok Air Flight 352, a Tupolev Tu-154 enters a flat spin on approach to Irkutsk Airport in Irkutsk, Russia, crashes down onto its belly and bursts into flames in a wooded area, killing all 145 aboard.

August 24 – Air Transat Flight 236, an Airbus A330, runs out of fuel over the Atlantic Ocean and makes an emergency landing in the Azores. Upon landing some of the tires blow out, causing a fire that is extinguished by emergency personnel on the ground. None of the 304 people on board the aircraft is seriously injured.

August 29 – Binter Mediterráneo Flight 8261, a CASA CN-235, suffers port engine failure and crashes onto the N-340 road while attempting to make an emergency landing at Ruiz Picasso International Airport, killing four of 43 on board; the pilot initially survives, but dies several hours later.

September 11 attacks

September 11 – American Airlines Flight 11, a Boeing 767-200ER with 92 people on board, is hijacked after taking off from Boston, and is flown into the north tower of the World Trade Center in New York City; all on board are killed as well as around 1600 people on the ground and in the building; the collapse of both towers brings the total death toll from the two crashes to at least 2,763, the worst disaster involving commercial aircraft.

September 11 – United Airlines Flight 175, a Boeing 767-200 with 65 people on board, is hijacked after taking off from Boston and is flown into the south tower of the World Trade Center in New York City; all on board are killed as well as around 900 people on the ground and in the building; the collapse of both towers brings the total death toll from the two crashes to at least 2,763, the worst disaster involving commercial aircraft.

September 11 – American Airlines Flight 77, a Boeing 757-200 with 64 people on board, is hijacked after taking off from Dulles International Airport and is flown into The Pentagon; all on board are killed as well as 125 people in the building and on the ground.

September 11 – United Airlines Flight 93, a Boeing 757-200 with 44 people on board, is hijacked after taking off from Newark, New Jersey; passengers struggle with the hijackers, and the aircraft crashes in a field near Shanksville, Pennsylvania, killing all on board.

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September 11 – United Airlines Flight 93, a Boeing 757-200 with 44 people on board, is hijacked after taking off from Newark, New Jersey; passengers struggle with the hijackers, and the aircraft crashes in a field near Shanksville, Pennsylvania, killing all on board.

October 4 – Siberia Airlines Flight 1812, a Tupolev Tu-154, is shot down by the Ukrainian military over the Black Sea. All 66 passengers and 12 crew members are killed.

October 8 – In the Linate Airport disaster, Scandinavian Airlines Flight 686, an MD-87, crashes into a Cessna business jet on takeoff from Milan, Italy. The MD-87 then swerves into a baggage handling building and catches fire. All 110 people on board Flight 686 die as well as all four in the Cessna. Four people on the ground are also killed.

November 12 – American Airlines Flight 587, an Airbus A300, crashes into a Queens neighborhood in New York City when the plane's vertical tail fin snaps off just after takeoff due to overuse of the rudder by the first officer during a wake turbulence encounter. All 251 passengers and nine crew members on board are killed as well as five people on the ground.

November 24 – Crossair Flight 3597, an Avro RJ100, crashes near Basersdorf, Switzerland, while attempting to land in Zürich. Of the 28 passengers and five crew members on board, 21 passengers and three crew members die.

December 22 – On board American Airlines Flight 63, a Boeing 767, a passenger, Richard Reid, attempts to detonate explosives hidden in his shoes, but fails and is subdued by two flight attendants and passengers. The plane lands safely in Boston.

2002[edit]

January 14 – Lion Air Flight 386, a Boeing 737-200, crashes while attempting to take off from Riau, Indonesia; all 103 on board survive.

January 16 – Garuda Indonesia Flight 421, a Boeing 737-300, experiences a dual flameout after entering a thunderstorm, and ditches in the Bengawan Solo River. A flight attendant is the only casualty; 59 passengers and crew survive.

January 28 – TAME Flight 120, a Boeing 727, crashes into a volcano on approach to Tulcán, Ecuador, in low-visibility conditions; all 94 on board are killed.

February 12 – Iran Air Tours Flight 956, a Tupolev Tu-154, crashes into the Sefid Kooh mountains during heavy rain, snow and dense fog while descending for Khorramabad Airport. All twelve crew members and 107 passengers are killed.

April 15 – Air China Flight 129, a Boeing 767-200ER, crashes into a hill during a landing attempt at Busan, South Korea, in misty conditions; of the 155 passengers and 11 crew, 38 survive.

May 4 – EAS Airlines Flight 4226, a BAC 1-11 500 series, crashes into the Gwammaja neighborhood at Kano, Nigeria, shortly after takeoff; the ensuing crash resulted in the deaths of 71 passengers and at least 78 civilians on the ground.

May 7 – EgyptAir Flight 843, a Boeing 737-566, crashes near Tunis, Tunisia, while landing in rough weather; of the 62 people on board, 14 perish.

May 7 – China Northern Airlines Flight 6136, a McDonnell Douglas MD-82, crashes near Dalian, China, after a passenger sets fire to the cabin with gasoline; all 103 passengers and nine crew are killed.

May 25 – China Airlines Flight 611, a Boeing 747-200B, disintegrates above the Taiwan Strait in mid-flight due to maintenance error; killing all 225 people on board.

July 1 – In the Überlingen mid-air collision, Bashkirian Airlines Flight 2937, a Tupolev Tu-154 with 60 passengers and nine crew members on board, collides with DHL Flight 611, a Boeing 757 freighter with two pilots on board near Lake Constance, Germany; all people on both planes perish.

July 4 – In the 2002 Prestige Airlines Boeing 707 crash, a Boeing 707 crashes at Bangui Airport while attempting an emergency landing, killing 28 of 30 on board.

July 10 – Swiss International Airlines Flight 850, a Saab 2000, strikes an earth bank after landing at Werneuchen Ai

rfield after multiple diversions due to a storm system; all 20 on board survive; the aircraft is written off.\nAugust 22 – In the 2002 Shangri-La Air Twin Otter Crash, a DHC-6 Twin Otter crashes in thick cloud whilst on approach into Pokhara Airport, Nepal. All 18 passengers and crew are killed.\nAugust 30 – Rico Linhas Aéreas Flight 4823, an Embraer EM B 120 Brasília, crashes on approach to Rio Branco International Airport, Brazil, in a rainstorm; the aircraft breaks up into three pieces and catches fire; 23 of 31 on board perish.\nOctober 9 – Northwest Airlines Flight 85, a Boeing 747, experienced a rudder hardover. The crew made an emergency landing at Ted Stevens Anchorage International Airport. All 404 on board were unharmed.\nNovember 6 – Luxair Flight 9642, a Fokker F50, crashes short of the runway on approach to Luxembourg Findel Airport in foggy weather conditions; of the nineteen passengers and three crew on board, only two survive.\nNovember 11 – Laoag International Airlines Flight 585, a Fokker F-27 Friendship, crashes into Manila Bay shortly after takeoff from Ninoy Aquino International Airport; of the 34 people on board, 19 are killed.\n2003[edit]\nJanuary 8 – Air Midwest Flight 5481, a Beechcraft 1900, crashes on takeoff from Charlotte, North Carolina, United States; all 19 passengers and two pilots are killed.\nJanuary 8 – Turkish Airlines Flight 634, an Avro RJ100, crashes during its final approach to land at Diyarbakır Airport, Turkey, in extensive fog. All of the 5 crew and 70 of the 75 passengers are killed, five passengers survive with serious injuries.\nJanuary 9 – TANS Perú Flight 222, a Fokker F28, crashes while on approach to Chachapoyas Airport; all 46 on board die.\nMarch 6 – Air Algérie Flight 6289, a Boeing 737-200, veers off the runway on takeoff in Tamanrasset, Algeria; 96 of the 97 passengers and all six crew members perish.\nMay 8 – In the 2003 Congo air disaster, a Ukrainian Cargo Airways Ilyushin Il-76 suffers a rapid decompression after a cargo door opens mid-flight. The aircraft manages to return to Kinshasa, but not before between 17 and 200 civilians are sucked out to their deaths (casualty numbers vary depending on source).\nMay 26 – UM Airlines Flight 4230, a Yakovlev Yak-42 crashes into the side of a mountain near the town of Maçka, Turkey. All 75 people are killed.\nMay 29 – A man attempts to hijack Qantas Flight 1737, a Boeing 717, in Melbourne, Australia, intending to crash the plane in Tasmania. He is overpowered by the flight crew and passengers, but injures three people.\nJuly 8 – Sudan Airways Flight 139, a Boeing 737-200, crashes shortly after taking off from Port Sudan, Sudan. All 117 people on board the plane perish; a two-year-old boy initially survives the crash, but dies the following day.\nNovember 22 – A DHL Airbus A300 is struck by a missile near Baghdad, Iraq and loses hydraulic system function, but manages to land safely with only engine controls without any fatalities. This is the first non-fatal landing of an airliner without control surfaces.\nDecember 18 – FedEx Express Flight 647, a McDonnell Douglas MD-10-10, veers off the runway upon landing after a landing gear collapse and catches fire at Memphis International Airport; two crew members and five passengers escape with only minor injuries.\nDecember 25 – UTAGE Flight 141, a Boeing 727, runs off the end of the runway upon takeoff at Cotonou, Benin, and crashes onto the beach on the Bight of Benin, killing 151 of the 163 occupants.\n2004[edit]\nJanuary 3 – Flash Airlines Flight 604, a Boeing 737-300, crashes into the Red Sea, killing all 135 passengers and 13 crew members in the worst ever accident involving the 737-300.\nJanuary 13 – Uzbekistan Airways Flight 1154, a Yakovlev Yak-40 collides with a radar station on approach into Tashkent International Airport, Uzbekistan in poor weather. All 37 passengers and crew are killed.\nFebruary 10 – Kish Air Flight 7170, a Fokker 50, crashes at Sharjah International Airport, killing 43 people. Three survive w

ith serious injuries.\nMay 14 – Rico Linhas Aéreas Flight 4815, an Embraer 120ER, crashes while on approach to Eduardo Gomes International Airport, killing all 33 passengers and crew on board; the cause is never determined.\nJune 8 – Gabon Express Flight 221, a Hawker Siddeley HS 748 crashes into the sea after attempting an emergency landing at Libreville International Airport, Gabon after an engine failure. 19 of the 30 passengers and crew are killed.\nAugust 13 – Air Tahoma Flight 185, a Convair 580, crashes near Covington, Kentucky, while descending to land, killing the first officer.\n2004 Russian aircraft bombings:\n\nAugust 24 – Siberia Airlines Flight 1047, a Tupolev Tu-154, explodes in mid-air while flying over Rostov Oblast, Russia, killing all 38 passengers and eight crew members on board.\nAugust 24 – Volga-AviaExpress Flight 1303, a Tupolev Tu-134, explodes in mid-air while flying over Tula Oblast, Russia, killing all 34 passengers and nine crew members on board.\n\nAugust 24 – Siberia Airlines Flight 1047, a Tupolev Tu-154, explodes in mid-air while flying over Rostov Oblast, Russia, killing all 38 passengers and eight crew members on board.\nAugust 24 – Volga-AviaExpress Flight 1303, a Tupolev Tu-134, explodes in mid-air while flying over Tula Oblast, Russia, killing all 34 passengers and nine crew members on board.\nOctober 14 – MK Airlines Flight 1602, a Boeing 747-200F, crashes on takeoff from Halifax Stanfield International Airport, killing all seven on board.\nOctober 14 – Pinnacle Airlines Flight 3701, a CRJ-200 repositioning flight with no passengers, crashes near Jefferson City, MO, killing both pilots.\nOctober 19 – Corporate Airlines Flight 5966, a British Aerospace Jetstream, crashes near Kirksville, Missouri, United States; 13 of the 15 people on board die.\nNovember 21 – China Eastern Airlines Flight 5210, a Bombardier CRJ200, stalls and crashes near Baotou, China, shortly after takeoff because of frost contamination; all 53 on board and two people on the ground are killed.\nNovember 30 – Lion Air Flight 538, a McDonnell Douglas MD-82, crash-lands in Solo City, Indonesia, killing 25 of the 154 people on board.\n2005[edit]\nFebruary 3 – Kam Air Flight 904, a Boeing 737-200, crashes in a snowstorm in Afghanistan. All 96 passengers and eight crew members die.\nFebruary 20 – British Airways Flight 268, a Boeing 747-400, taking off from Los Angeles to London suffers fire in engine 2. The plane flies on three engines to Manchester, where it performs an emergency landing. None of the 369 people on board are harmed.\nMarch 6 – Air Transat Flight 961, an Airbus A310, suffers rudder failure after takeoff from Varadero, Cuba; the aircraft returns to Cuba with no casualties.\nMarch 16 – Regional Airlines Flight 9288, an Antonov An-24RV, stalls and crashes into a small hill near Varandey Airport, Russia, due to a possible instrument failure, killing 28 of 52 on board.\nJune 9 – US Airways Flight 1170 and Aer Lingus Flight 132 almost collide on a runway at Logan International Airport in Boston, Massachusetts. None of the 381 people on either plane is harmed.\nJuly 16 – An Equatorial Express Antonov An-24 crashes into a mountain side near Baney, Equatorial Guinea; all 60 on board die.\nAugust 2 – Air France Flight 358, an Airbus A340-300, skids off a runway at Toronto Pearson International Airport, Ontario, while landing and catches fire; all 309 on board escape without fatalities, 43 people are injured, the aircraft is completely destroyed by the fire.\nAugust 6 – Tuninter Flight 1153, an ATR 72, ditches into the Mediterranean Sea near Palermo, Sicily, with 35 passengers and four crew members on board; 14 passengers and two crew members die.\nAugust 10 – Copterline Flight 103, a Sikorsky S-76 helicopter crashes off Tallinn, Estonia, killing all 14 on board.\nAugust 14 – Helios Airways Flight 522, a Boeing 737-300, crashes near Kalamos, Greece, with 115 passengers and six crew members on board; there are no survivors.\nAugust 16 – West Caribbean

Airways Flight 708, a McDonnell Douglas MD-82, crashes in western Venezuela. All on board, 152 passengers and eight crew members, die.

August 23 – TANS Perú Flight 204, a Boeing 737-200, crashes on approach to Captain Rolden International Airport, Pucallpa, Peru. Thirty-five of the 91 passengers on board, as well as five of the seven crew members, perish.

September 5 – Mandala Airlines Flight 091, a Boeing 737-200, crashes in Medan, Indonesia, killing 103 of the 111 passengers and all five crew members on board the aircraft and an additional 47 people on the ground.

September 5 – A Kavatshi Airlines Antonov An-26B crashes at Ilesimo Airport in Matari, Democratic Republic of the Congo, killing all 11 people on board.

September 9 – An Air Kasai Antonov An-26B crashes in the Republic of the Congo north of Brazzaville, killing all 13 people on board.

September 21 – JetBlue Airways Flight 292, an Airbus A320, makes an emergency landing at Los Angeles International Airport because of landing gear steering failure. There are no injuries to the 139 passengers and six crew members.

October 22 – Bellview Airlines Flight 210, a Boeing 737-200, crashes shortly after takeoff from Murtala Muhammed International Airport in Lagos, Nigeria, killing all 117 people on board.

December 8 – Southwest Airlines Flight 1248, a Boeing 737-700, slides off the runway during landing at Chicago Midway International Airport in Chicago in heavy snow. None of the people on board is injured, but the plane hits two automobiles on the ground, killing a six-year-old boy.

December 10 – Sosoliso Airlines Flight 1145, a McDonnell Douglas DC-9 with 110 people on board, crashes during landing in Port Harcourt, Nigeria. Of the 110 people on board; only two survive.

December 19 – Chalk's Ocean Airways Flight 101, a Grumman Mallard, crashes off the coast of Miami Beach, Florida, killing all 20 on board.

December 23 – Azerbaijan Airlines Flight 217, an Antonov An-140, crashes shortly after takeoff from Baku Airport due to instrument failure, killing all 23 on board.

2006[edit] March 31 – TEAM Linhas Aéreas Flight 6865, a Let L-410 Turbolet crashes whilst conducting a VFR approach to Macaé Airport, Brazil. All 19 passengers and crew are killed.

May 3 – Armavia Flight 967, an Airbus A320, crashes into the Black Sea near the Russian city of Sochi, killing all 113 on board.

June 21 – In the 2006 Yeti Airlines Twin Otter Crash, a DHC-6 Twin Otter crashes during a go-around at Jumla Airport, Nepal. All nine passengers and crew are killed.

July 9 – S7 Airlines Flight 778, an Airbus A310, crashes into a concrete barricade at Irkutsk International Airport, Russia, upon landing and catches fire. Of the 203 people on board, 128 are killed.

July 10 – PIA Flight 688, a Fokker F27, crashes into a wheat field near Multan, Pakistan, ten minutes after taking off, killing all 41 passengers and four crew members on board.

August 13 – Air Algérie Flight 2208, a Lockheed L-100 Hercules in Northern Italy crashes as a result of an autopilot malfunction. All three on board are killed.

August 22 – Pulkovo Aviation Enterprise Flight 612, a Tupolev Tu-154, crashes near Donetsk, Ukraine, killing all 170 people on board.

August 27 – Comair Flight 5191, a Bombardier Canadair CRJ-100, crashes on takeoff at Blue Grass Airport, Kentucky, due to runway confusion; of the 50 people on board, only one survives.

September 1 – Iran Air Tours Flight 945, a Tupolev Tu-154, crashes while attempting to land in Mashad, Iran, killing 28 of 154 on board.

September 29 – Gol Transportes Aéreos Flight 1907, a Boeing 737-800, collides with an Embraer Legacy business jet and crashes in Mato Grosso, Brazil; the Embraer Legacy, with seven on board, lands safely with no reported injuries while all 154 people on board the Boeing 737 perish; this crash marks the first loss of a Boeing 737-800.

October 3 – Turkish Airlines Flight 1476, a Boeing 737, is hijacked in Greek airspace. Plane lands at Brindisi Airport, Italy. Hijacker is arrested.

All 113 people on board survive.

October 10 – Atlantic Airways Flight 670, a BAe 146, slides off the runway at Stord Airport, Norway, killing four of the 16 people on board.

October 29 – ADC Airlines Flight 53, a Boeing 737-200, crashes near Abuja, Nigeria, killing 96 of the 105 people on board.

2007[edit]

January 1 – Adam Air Flight 574, a Boeing 737-400 with 102 people on board, crashes into the ocean off the island of Sulawesi in Indonesia, killing all on board in the worst ever crash involving the 737-400.

January 9 – An Aerial Tur-M Antonov An-26 crashes near Balad, Iraq, killing 34 of the 35 people on board. The official cause of the crash is poor weather conditions, but other sources claim that the plane was shot down by a missile.

January 24 – Air West Flight 612, a Boeing 737, is hijacked shortly after takeoff. The plane landed safely at N'Djamena International Airport, where the hijacker surrenders. All 103 people on board survive.

February 21 – Adam Air Flight 172, a Boeing 737-300, suffers structural damage while landing near Surabaya, Indonesia; none of the 149 people on board is seriously injured.

March 7 – Garuda Indonesia Flight 200, a Boeing 737-400, overshoots the runway and crashes while landing at Yogyakarta, Indonesia, killing 21 of the 140 people on board.

March 17 – UTair Flight 471, a Tupolev Tu-134, suffers severe structural damage while landing in Samara, Russia, killing six of the 63 people on board.

March 23 – The 2007 Mogadishu Transavia export Airlines Il-76 crash of an Ilyushin Il-76 near Mogadishu, Somalia, after being hit by a surface-to-air missile, kills all 11 on board; one passenger initially survives, but dies hours later.

May 5 – Kenya Airways Flight 507, a Boeing 737-800 with 114 people on board, crashes near Douala, Cameroon, killing all on board.

June 3 – In the 2007 Paramount Airlines Mil Mi-8 crash, a Mil Mi-8 helicopter crashes in Lungi, Sierra Leone, killing all 22 people on board.

June 21 – The 2007 Free Airlines L-410 crash shortly after takeoff from Kamina Town, Democratic Republic of Congo because of severe overloading, kills one and injures four of the 21 people on board.

June 25 – PMTair Flight 241, an Antonov An-24, crashes in southwestern Cambodia, killing all 22 on board.

June 28 – In the 2007 TAAG Angola Airlines crash, a Boeing 737-200, D2-TBP, with 78 people on board, loses control while landing in M'banza-Kongo, Angola, killing at least six people on board and injuring an unknown number of others.

July 17 – TAM Airlines Flight 3054, an Airbus A320, crashes at Congonhas-São Paulo Airport, Brazil, killing all 187 people on board and 12 on the ground.

August 9 – Air Moorea Flight 1121, a de Havilland Canada DHC-6, crashes into the lagoon of the island of Moorea in French Polynesia just 11 seconds after takeoff, killing all 20 on board.

August 20 – China Airlines Flight 120, a Boeing 737-800, bursts into flames after landing at Naha, Japan; none of the 165 passengers on board is seriously injured.

August 26 – A Great Lakes Business Company Antonov An-32B crashes short of the runway after experiencing engine failure and attempting to return to Kongolo Airport in Kongolo, Democratic Republic of the Congo, killing 14 of the 15 people on board.

Scandinavian Airlines Dash 8 landing gear incidents:

September 9 – Scandinavian Airlines Flight 1209, a de Havilland Canada Dash 8, experiences a landing gear failure in Aalborg, Denmark; none of the 73 people on board is seriously injured, but three days later, after a similar incident, the airline grounds the aircraft type.

September 12 – Scandinavian Airlines Flight 2748, a de Havilland Canada Dash 8, experiences a landing gear failure in Vilnius, Lithuania; none of the 52 people on board is injured, but because of a similar incident three days earlier, all their Dash 8s are grounded.

October 27 – Scandinavian Airlines Flight 2867, a de Havilland Canada Dash 8, experiences a landing gear failure in Copenhagen, Denmark; none of the 44 people o

n board is injured, but because of similar incidents in September, the airline "permanently" removes its Dash 8s from service; cause is eventually ascribed to maintenance error.

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October 27 – Scandinavian Airlines Flight 2867, a de Havilland Canada Dash 8, experiences a landing gear failure in Copenhagen, Denmark; none of the 44 people on board is injured, but because of similar incidents in September, the airline "permanently" removes its Dash 8s from service; cause is eventually ascribed to maintenance error.

September 16 – One-Two-GO Airlines Flight 269, a McDonnell Douglas MD-82 carrying 130 people, crashes and bursts into flames after attempting to land in Phuket, Thailand, during poor weather conditions, killing 90 people.

October 4 – The 2007 Africa One Antonov An-26 crash into a residential area in Kinshasa, Democratic Republic of the Congo, shortly after taking off, kills at least 50 people, most of whom are on the ground.

November 30 – Atlasjet Flight 4203, a McDonnell Douglas MD-83, crashes into a mountain near Isparta, Turkey, killing all 57 on board.

December 30 – TAROM Flight 3107, a Boeing 737-300, is written-off after hitting a maintenance car on the runway and veering off the runway during takeoff run at Henri Coandă International Airport, Otopeni, Romania; none of the 123 on board is injured.

2008[edit]

January 4 – The 2008 Los Roques archipelago Transaven Let L-410 crash kills all 14 on board.

January 17 – British Airways Flight 38, a Boeing 777-200ER, lands short of the runway at London Heathrow Airport due to a fuel system problem; all 152 on board survive. This is the first loss of a Boeing 777-200ER, and the first loss of any 777 due to operational incident.

February 8 – Eagle Airways Flight 2279, a BAe Jetstream 32, is hijacked 10 minutes after taking off from Blenheim, New Zealand by a passenger who attacks both pilots. The hijacker is eventually restrained by the co-pilot and the flight lands safely at Christchurch. All nine on board survive the incident.

February 14 – Belavia Flight 1834, a Bombardier CRJ100, hits its left wing on the runway while taking off from Yerevan, Armenia. All 21 on board escape the aircraft before it erupts into flames.

February 21 – Santa Bárbara Airlines Flight 518, an ATR 42-300, crashes shortly after taking off from Mérida, Venezuela, killing all 46 on board.

April 3 – In the 2008 Suriname plane crash, an Antonov An-28 operated by Blue Wing Airlines crashes near Benzdorp in Suriname. All 19 on board are killed.

April 11 – In the 2008 Chişinău Antonov An-32 crash, a Sudanese airline Antonov An-32 crashes when returning shortly after taking off from Chişinău International Airport, Moldova, for Turkey. All eight on board are killed.

April 15 – Hewa Bora Airways Flight 122, a McDonnell Douglas DC-9, crashes into a market near Goma, Democratic Republic of the Congo, killing 40 people, including three passengers.

May 26 – In the 2008 Chelyabinsk Antonov An-12 crash, a Moskovia Airlines Antonov An-12 crashes shortly after takeoff from Chelyabinsk Airport, Russia due to an onboard fire. All 9 crew members are killed.

May 30 – TACA Flight 390, an Airbus A320, overruns the runway at Toncontín International Airport in Tegucigalpa, Honduras, killing five (including two on ground).

June 10 – Sudan Airways Flight 109, an Airbus A310, crashes at Khartoum International Airport and breaks apart, catching fire. 30 deaths are confirmed, six passengers are listed as missing.

g.\nJuly 25 – Qantas Flight 30, a Boeing 747-400 en route from Hong Kong to Melbourne, performs an emergency descent and lands in Manila after a hull penetration results in rapid decompression; all aboard survive.\nAugust 20 – Spanair Flight 5022, a McDonnell Douglas MD-82 crashes on takeoff at Barajas Airport in Madrid, Spain. Of the 172 people on board, 154 are killed.\nAugust 24 – In the 2008 Aéreo Ruta Maya crash, a Cessna 208 Caravan crashes 45 minutes after takeoff from La Aurora International Airport, Guatemala en route to El Estor, Guatemala. 11 of the 14 passengers and crew are killed.\nAugust 24 – Iran Aseman Airlines Flight 6895, a Boeing 737, crashes just after takeoff from Manas Airport in Bishkek, Kyrgyzstan. 68 of the 90 passengers and crew on board are killed.\nAugust 27 – Sriwijaya Air Flight 62, a Boeing 737-200 overruns the runway at Sultan Thaha Airport, Indonesia during a landing attempt, resulting in 26 injuries (14 of them serious). One person on the ground later dies from their injuries.\nSeptember 14 – Aeroflot Flight 821, a Boeing 737, crashes on approach to Perm Airport from Moscow due to pilot error, killing all 88 people on board in the worst ever accident involving the Boeing 737-500.\nOctober 7 – Qantas Flight 72, an Airbus A330-300, makes an emergency landing in Exmouth, Australia, following a rapid descent that leaves over 70 people injured, 14 of them seriously.\nOctober 8 – Yeti Airlines Flight 103, a de Havilland Canada DHC-6 Twin Otter, crashes 60\xa0nmi (110\xa0km) from Mt Everest, Nepal, killing 18 of 19 people on board.\nNovember 10 – Ryanair Flight 4102, a Boeing 737 suffers up to 90 bird strikes on its final approach to Rome Ciampino Airport, damaging landing gear and both engines. Lands safely; 10 of the 172 on board are treated for minor injuries.\nDecember 20 – Continental Airlines Flight 1404, a Boeing 737-500 with 115 people on board, veers off the runway upon takeoff from Denver International Airport, comes to rest in a ravine near the runway and catches fire; 38 people are injured.\n2009[edit]\nJanuary 15 – US Airways Flight 1549, an Airbus A320, ditches in the Hudson River just after taking off from LaGuardia Airport in New York City after total engine failure due to multiple bird strikes; all people aboard survive the accident.\nFebruary 7 – In the 2009 Manaus Aerotáxi crash, a Manaus Aerotáxi Embraer EMB-110 crashes near Santo Antônio, Brazil, killing 24 of the 28 aboard.\nFebruary 12 – Colgan Air Flight 3407, a Bombardier Dash 8 Q400, flying from Newark Liberty International in New Jersey to Buffalo Niagara International Airport in New York crashes into a house in Clarence, New York, killing all 49 aboard the plane and one on the ground.\nFebruary 25 – Turkish Airlines Flight 1951, a Boeing 737-800, flying from Atatürk International Airport in Istanbul to Amsterdam Airport Schiphol crashes in a field during final approach; of the 135 people on board, nine are killed and 86 injured.\nMarch 12 – Cougar Helicopters Flight 91, a Sikorsky S-92, ditches in the Atlantic 34 miles (55\xa0km) east-southeast of Newfoundland due to a main gearbox failure, killing 17 of 18 on board.\nMarch 20 – Emirates Flight 407, an Airbus A340-500 flying from Melbourne Tullamarine Airport to Dubai International Airport has a tailstrike during take off and returns to Melbourne Airport with no fatalities.\nMarch 23 – FedEx Express Flight 80, a McDonnell Douglas MD-11 on a cargo flight from Guangzhou, China, to Narita, Japan, crashes at Tokyo Narita International Airport; both crew members on board the flight are killed.\nApril 1 – 2009 Bond Helicopters Eurocopter AS332 crash: Bond Offshore Helicopters Flight 85N, a Eurocopter AS332, crashes 35 miles (56\xa0km) off the Aberdeenshire coast while returning from the Miller oilfield, killing all 16 on board; the cause is a catastrophic failure of the main rotor gearbox.\nApril 19 – CanJet Flight 918 is seized on the ground by an armed man who slipped through security checks at Sangster International



ional Airport, Montego Bay, Jamaica; all passengers are released early on; six crew members are kept as hostages for several hours before being freed unharmed.

June 1 – Air France Flight 447, an Airbus A330 en route from Rio de Janeiro to Paris, crashes in the Atlantic Ocean, killing all 228 occupants, including 12 crew; bodies and aircraft debris are not recovered until several days later; the aircraft itself is not found until 2011. The crash is the first fatal accident of the A330 and the worst-ever disaster involving the A330.

June 30 – Yemenia Flight 626, an Airbus A310 flying from Sana'a, Yemen to Moroni, Comoros, crashes into the Indian Ocean with 153 people aboard; one 12-year-old is found clinging to the wreckage.

July 13 – Southwest Airlines Flight 2294, a Boeing 737 from Nashville to Baltimore makes an emergency landing in Charleston, West Virginia, after a 14x17 inch hole opens in the skin of the fuselage at 34,000 feet (10,000m), causing a loss of cabin pressure; the plane lands safely with no injuries.

July 15 – Caspian Airlines Flight 7908, a Tupolev Tu-154, crashes 16 minutes after takeoff near Qazvin, Iran, killing all 153 passengers and 15 crew.

July 24 – Aria Air Flight 1525, an Ilyushin Il-62, skids off the runway at Mashhad International Airport, killing 17 of 153 on board.

August 2 – Merpati Nusantara Airlines Flight 9760, a de Havilland Canada DHC-6 Twin Otter, crashes into a mountain in good weather over Indonesia, killing all 13 passengers and three crew.

August 4 – Bangkok Airways Flight 266, an ATR 72-200 carrying 68 passengers crashes in severe weather on landing at Samui airport in the resort island of Ko Samui in Thailand, resulting in at least one confirmed death and 37 injuries.

August 11 – Airlines PNG Flight 4684, a de Havilland Canada DHC-6 Twin Otter carrying 11 passengers and two crew crashes into a mountain at Isurava, Papua New Guinea while attempting a go around at Kokoda Airport, Papua New Guinea; all passengers and crew perished in the accident.

September 9 – Aeroméxico Flight 576, a Boeing 737 with 104 passengers on board, is hijacked while flying from Cancún to Mexico City; after landing at Mexico City International Airport, Mexican officials storm the plane and take five men into custody; there are no casualties.

September 24 – Airlink Flight 8911, a BAe Jetstream 41 crashes into a school shortly after takeoff from Durban International Airport, South Africa. One of the crew members dies later from injuries obtained in the crash.

October 21 – Azza Transport Flight 2241, a Boeing 707, crashes on take off from Sharjah International Airport, United Arab Emirates; all six crew members are killed.

October 22 – Divi Divi Air Flight 014, a Britten-Norman Islander, with 10 on board, ditches in the Caribbean Sea off Bonaire due to engine failure, killing the pilot.

November 12 – RwandAir Flight 205, a Bombardier CRJ-100, crashes into a terminal shortly after an emergency landing at Kigali International Airport, Rwanda; of the 10 passengers and five crew, one passenger dies.

November 28 – Avient Aviation Flight 324, a McDonnell Douglas MD-11F overruns the runway during take off at Shanghai Pudong International Airport, China, killing three of the seven crew members.

December 22 – American Airlines Flight 331, a Boeing 737-800 from Miami International Airport overruns the runway at Norman Manley International Airport, Kingston, Jamaica; there are 40 injuries and no fatalities.

December 25 – Northwest Airlines Flight 253, an Airbus A330-300 is attacked by a man using a small explosive device, causing only a small fire inside the plane, which is extinguished by a flight attendant; the man is subdued by passengers and crew;

2010[edit]

January 24 – Taban Air Flight 6437, a Tupolev Tu-154M, crashes while making an emergency landing at Mashhad International Airport, Iran, due to a medical emergency; all 157 passengers and 13 crew survive the accident with 47 receiving minor injuries.

January 25 – Ethiopian Air

lines Flight 409, a Boeing 737-800, crashes into the Mediterranean Sea shortly after takeoff from Beirut Rafic Hariri International Airport; the flight was heading to the Ethiopian capital, Addis Ababa; all 90 people on board perish.\nMarch 22 – Aviastar-TU Flight 1906, a Tupolev Tu-204, crashes on landing at Domodedovo International Airport in foggy weather; all eight crew on board survive, but the aircraft is written off; this is the first loss of the Tu-204.\nApril 13 – AeroUnion Flight 302, an Airbus A300B4F, crashes on a missed approach from Mexico City, Distrito Federal, Mexico, for Monterrey, Nuevo León, Mexico. All five crew members are killed, as well as one person on the ground.\nApril 13 – Merpati Nusantara Airlines Flight 836, a Boeing 737, overruns the runway at Rendani Airport in Indonesia; all 103 people on board survive, with 23 injured, three of them seriously.\nApril 13 – Cathay Pacific Flight 780 from Surabaya Juanda International Airport to Hong Kong lands safely after both engines thrust controls get stuck due to contaminated fuel. 57 passengers are injured in evacuation. The two pilots receive the Polaris Award from the International Federation of Air Line Pilots' Associations, for their heroism and airmanship.[1]\nMay 12 – Afriqiyah Airways Flight 771, an Airbus A330, crashes on landing at Tripoli International Airport, killing 103 on board; the sole survivor is a child from the Netherlands.\nMay 17 – Pamir Airways Flight 112, an Antonov An-24 with 39 passengers and 5 crew, disappears from radar 10 minutes after takeoff from Kunduz Airport in Afghanistan. There are no survivors.\nMay 22 – Air India Express Flight 812, a Boeing 737-800, crashes at Mangalore International Airport after overshooting the runway, killing a total of 158 people in the worst-ever crash involving the 737-800.\nJune 20 – The 2010 Cameroon Aéro Service CASA C-212 Aviocar crash near Djoum, Cameroon, kills all 11 on board, including the entire board of Sundance Resources, an Australian mining conglomerate.\nJuly 27 – Lufthansa Cargo Flight 8460, a McDonnell Douglas MD-11 freighter, catches fire and breaks in half as it lands at King Khalid International Airport, injuring the German pilot and co-pilot.\nJuly 28 – Airblue Flight 202, an Airbus A321, crashes into a hill in the Margalla Hills north-east of Islamabad apparently due to bad weather resulting in the deaths of 146 passengers and six crew members. It is the first fatal accident involving an Airbus A321 and Pakistan's worst air disaster.\nAugust 3 – Katekavia Flight 9357, an Antonov An-24 crashes on approach to Igarka Airport, Russia, killing 12 people.\nAugust 16 – AIRES Flight 8250, a Boeing 737 splits in three after a hard landing at Gustavo Rojas Pinilla Airport, San Andrés, Colombia. Of the 125 passengers and six crew members on board, two passengers are killed and another 113 injured.\nAugust 24 – Agni Air Flight 101, a Dornier Do 228, crashes outside of Kathmandu, Nepal, in heavy rain, killing all 14 people on board.\nAugust 24 – Henan Airlines Flight 8387, an Embraer E-190, overruns the runway and crashes at Yichun, Heilongjiang, northeast China, causing 44 fatalities from 91 passengers and five crew members; this is the first hull loss of an Embraer E-Jet.\nAugust 25 – The 2010 Bandundu Filair Let L-410 crash on approach to Bandundu Airport, Democratic Republic of the Congo, kills all but one of the 21 on board.\nSeptember 3 – UPS Airlines Flight 6, a Boeing 747-400, crashes at a military base shortly after takeoff from Dubai International Airport, killing both of the two crew.\nSeptember 7 – Alrosa Mirny Air Enterprise Flight 514, a Tupolev Tu-154M, suffers electrical failure and makes an emergency landing at Izhma Airport; while landing, the aircraft overruns the runway and is written off; all 81 passengers and crew survive.\nSeptember 13 – Conviasa Flight 2350, an ATR-42, crashes shortly before landing in Ciudad Guayana, killing 15 of the 51 people on board.\nNovember 4 – Aero Caribbean Flight

883, an ATR-72, crashes in Sancti Spíritus, Cuba, killing all 68 on board in the joint worst-ever accident involving the ATR 72.

November 4 – Qantas Flight 32, an Airbus A380, suffers substantial mechanical failure of its left inboard engine after taking off from Singapore Changi Airport. The flight turns back and lands safely. All the 440 passengers and 29 crew on board are safe. Cowling parts of the failed engine fall over Batam Island.

November 5 – In the 2010 Karachi Beechcraft 1900 crash a JS Air charter crashes straight after takeoff, killing all 19 passengers and two crew on board.

November 11 – The Zalingei Tarco Airlines Antonov An-24 crash on landing at Zalingei Airport, Sudan, kills six of 44 on board.

November 28 – Sun Way Flight 4412, an Ilyushin Il-76TD, suffers an engine fire and crashes near Jinnah International Airport, killing all eight crew on board and another four on the ground.

December 4 – Dagestan Airlines Flight 372, a Tupolev Tu-154, skids off the runway during emergency landing at Russia's Domodedovo International Airport, killing two of the 160 passengers on board and injuring 87.

December 15 – A Tara Air de Havilland Canada DHC-6 Twin Otter crashes in the Bilandu Forest near Shreechaur, Okhaldhunga District, Nepal, killing all 22 passengers and crew on board.

2011[edit]

January 1 – Kolavia Flight 348, a Tupolev Tu-154, erupts in flames while taxiing at Surgut International Airport, Russia, killing three out of 124 people and injuring 43.

January 9 – Iran Air Flight 277, a Boeing 727, crashes at Urmia Airport, Iran, during a go-around, killing 77 of 105 people on board.

February 10 – Manx2 Flight 7100, a Fairchild Metroliner II I, crashes at Cork Airport, Republic of Ireland, and catches fire, killing six of 12 people on board.

February 14 – Central American Airways Flight 731, a Let L-410 Turbolet, crashes while on approach to Toncontín International Airport, killing all 14 on board.

March 21 – The 2011 Pointe-Noire Trans Air Congo An-12 crash: an Antonov An-12 crashes on approach to Pointe Noire Airport, Republic of the Congo, killing all four crew on board and another 19 on the ground.

April 1 – Southwest Airlines Flight 812, a Boeing 737, ruptures a hole in the fuselage at 36,000 feet, causing the cabin to lose pressure shortly after takeoff from Phoenix Sky Harbor International Airport. The plane lands safely at Yuma International Airport, Arizona, with 116 people aboard uninjured and two with minor injuries.

April 4 – In the 2011 United Nations Bombardier CRJ-100 crash, a Georgian Airways plane operated by the United Nations Mission in the Democratic Republic of Congo (MONUSCO) crashes on landing at Ndjili Airport, Democratic Republic of the Congo; all but one of the 33 on board are killed.

May 7 – Merpati Nusantara Airlines Flight 8968, a Xian MA60, crashes off the coast of West Papua, Indonesia, while on approach to Kaimana Airport in heavy rain, killing all 25 passengers and crew on board.

May 18 – Sol Líneas Aéreas Flight 5428, a Saab 340, crashes off Prahuanique, Río Negro, Argentina, while en route to General Enrique Mosconi International Airport, Comodoro Rivadavia due to ice formation on the wings, propellers and under the fuselage, killing all 22 passengers and crew on board.

June 20 – RusAir Flight 9605, a Tupolev Tu-134, crashes onto the Russian highway A133 near the village of Besovets, Petrozavodsk, Russia, while on approach to Petrozavodsk Airport, killing 47 of 52 on board.

July 4 – In the Missinippi Airways Cessna 208 crash, a Cessna 208 Caravan overruns the runway and crashes into a ravine at Pukatawagan Airport, Manitoba after a failed aborted takeoff. One passenger is killed.

July 6 – The 2011 Silk Way Airlines Ilyushin Il-76 crash: An Ilyushin Il-76 crashes into a mountain 25 kilometres (16 miles) short of Bagram Air Base in Afghanistan, killing all nine people on board the cargo flight from Baku, operated on behalf of NATO.

July 8 – Hewa Bora Airways Flight 952, a Boeing 727, crashes

on landing at Bangoka International Airport, Democratic Republic of the Congo, killing 74 of 118 on board.\nJuly 11 – Angara Airlines Flight 5007, an Antonov An-24, ditches in the Ob River after an engine fire, killing seven of 37 on board.\nJuly 13 – Noar Linhas Aéreas Flight 4896, a Let L-410 Turbolet, crashes shortly after takeoff from Recife Airport, Brazil, killing all 16 on board.\nJuly 28 – Asiana Airlines Flight 991, a Boeing 747 freighter, crashes into the Pacific Ocean, 112 kilometres (70\xa0mi) west of Jeju Island, South Korea, killing the two crew.\nJuly 29 – EgyptAir Flight 667, a Boeing 777, suffers a cockpit fire at Cairo International Airport, injuring seven of 317 on board.\nJuly 30 – Caribbean Airlines Flight 523, a Boeing 737, overruns the runway on landing at Cheddi Jagan International Airport, Georgetown, Guyana, and breaks in two; seven are injured but all 163 passengers and crew survive.\nAugust 9 – In the 2011 Avis Amur Antonov An-12 crash, an Antonov An-12, en route from Magadan Airport to Keperveyem Airport, crashes at Omsukchan, Russia, due to an engine fire, killing all 11 on board.\nAugust 20 – First Air Flight 6560, a Boeing 737, crashes while on approach to Resolute Bay Airport, Nunavut, Canada, killing 12 of 15 on board.\nSeptember 6 – Aerocon Flight 238, a Fairchild Metroliner III, crashes near Trinidad, Bolivia, killing eight of nine people on board.\nSeptember 7 – Yak-Service Flight 9634, a Yakovlev Yak-42, crashes just after takeoff from Tunoshna Airport, Yaroslavl, Russia, due to pilot error, killing 44 of the 45 people on board. Many were players and staff of the Lokomotiv Yaroslavl ice hockey team of the KHL, as the flight was destined for Minsk, Belarus for a league game.\nSeptember 25 – Buddha Air Flight 103, a Beechcraft 1900D, crashes in dense fog while attempting to land at Kathmandu Tribhuvan International Airport, killing all 16 passengers and three crew members.\nSeptember 29 – Nusantara Buana Air Flight 823, a CASA C-212 Aviocar crashes in Indonesia during a domestic flight from Medan to Kutacane. All 18 passengers and crew are killed.\nOctober 13 – Airlines PNG Flight 1600, a de Havilland Canada DHC-8, crashes near the mouth of the Gogol River, Papua New Guinea, killing 28 of 32 on board.\nOctober 18 – Iran Air Flight 742, a Boeing 727, en route from Moscow, Russia, to Tehran, Iran, lands without nose gear at Mehrabad International Airport; all 94 passengers and 14 crew members survive without injuries.\nNovember 1 – LOT Polish Airlines Flight 16, a Boeing 767, performs a belly landing at Warsaw Chopin Airport after its landing gear failed to deploy; all 220 passengers and 11 crew members survive without injuries.\n2012[edit]\nApril 2 – UTair Flight 120, an ATR-72, crashes shortly after takeoff from Roshchino International Airport, Tyumen, Russia, killing 31 of the 43 passengers and crew on board.\nApril 20 – Bhoja Air Flight 213, a Boeing 737, crashes near Chaklala Airbase, Rawalpindi, Pakistan, in bad weather, killing all 127 people on board.\nMay 9 – In the Mount Salak Sukhoi Superjet 100 crash, a Sukhoi Superjet 100 crashes into Mount Salak, Indonesia, on an exhibition flight, killing all 45 passengers and crew on board.\nMay 14 – In the Agni Air Flight CHT, a Dornier Do 228 crashes near Jomsom Airport, Nepal, during a go-around; of the 21 on board, six survive.\nJune 2 – Allied Air Flight 111, a Boeing 727, overruns the runway on landing at Kotoaka International Airport, Accra, Ghana, and crashes through a fence; the aircraft then hits a bus on a nearby road; all four crew survive but 12 are killed on the ground.\nJune 3 – Dana Air Flight 992, a McDonnell Douglas MD-83 carrying 147 passengers and six crew members crashes in a suburb of Lagos, Nigeria, on approach to Murtala Muhammed International Airport, killing all on board and 10 more people on the ground.\nJune 29 – Six people attempt to hijack Tianjin Airlines Flight 7554, an Embraer E-190, 10 minutes after takeoff; passengers and crew are able to

restrain the hijackers until the aircraft makes an emergency landing; of the 101 on board, two hijackers die and 11 passengers and crew are injured; this is China's first serious hijacking attempt since 1990.

September 12 – Petropavlovsk-Kamchatsky Air Flight 251, an Antonov An-28, crashes in Kamchatka Peninsula, Russia, killing 10 of the 14 passengers and crew on board.

September 28 – Sita Air Flight 601, a Dornier Do 228, crashes on the bank of the Manohara River, Kathmandu, Nepal, after a bird strike, killing all 19 on board.

October 7 – FlyMontserrat Flight 107, a Britten-Norman Islander, crashes after takeoff from V.C. Bird International Airport, Antigua and Barbuda; of the four on board, only one survives.

November 30 – In the 2012 Aéro-Service Ilyushin Il-76T crash, an Ilyushin Il-76T freighter crashes short of runway threshold on approach to Maya-Maya Airport, Brazzaville, Republic of Congo, in bad weather, killing all six aboard, 26 on the ground, and injuring 14.

December 17 – The 2012 Amazon Sky An-26 crash kills a crew of four, when the aircraft hits the ground while crossing the Andes.

December 25 – Air Bagan Flight 11, a Fokker 100, crash-lands on a road near Heho Airport, Myanmar, killing one on board, one on the ground and injuring 11.

December 29 – Red Wings Airlines Flight 9268, a Tupolev Tu-204 on a re-positioning flight, overruns the runway on landing at Moscow's Vnukovo International Airport, then breaks apart and catches fire; five of the eight crew on board are killed in the first fatal accident involving the Tu-204.

2013[edit]

January 29 – SCAT Airlines Flight 760, a Bombardier CRJ200, crashes in thick fog on approach to Almaty International Airport, Kazakhstan, killing all 16 passengers and five crew on board.

February 13 – South Airlines Flight 8971, an Antonov An-24, crash-lands in dense fog at Donetsk International Airport, Ukraine, killing five of 52 people on board.

March 8 – ACE Air Cargo Flight 51, a Beechcraft 1900C-1 crashes into a mountain whilst on approach into Dillingham Municipal Airport, Alaska. Both crew members are killed.

April 13 – Lion Air Flight 904, a Boeing 737 carrying 101 passengers and seven crew members, crashes into the ocean while attempting to land at Ngurah Rai International Airport on the Indonesian island of Bali, injuring 46 people.

April 29 – National Airlines Flight 102, a Boeing 747 freighter, stalls and crashes shortly after takeoff from Bagram Airfield, Afghanistan, due to load shifting, killing all seven crew members on board.

May 16 – Nepal Airlines Flight 555, a de Havilland Canada DHC-6, overruns the runway on landing at Jomsom Airport, Nepal, injuring seven people.

June 10 – Merpati Nusantara Airlines Flight 6517, a Xian MA60, crashes on landing at El Tari Airport, Indonesia, injuring five people.

July 6 – Asiana Airlines Flight 214, a Boeing 777, crashes short of the runway on landing at San Francisco International Airport, killing three of 307 on board and injuring 182. The crash was the first fatal accident involving the Boeing 777.

July 7 – A de Havilland Canada DHC-3 operated by Rediske Air crashes on approach to Soldotna Airport, Alaska, killing all 10 people on board.

August 14 – UPS Airlines Flight 1354, an Airbus A300 freighter, crashes short of the runway on approach to Birmingham-Shuttlesworth International Airport, killing the two crew on board.

October 3 – Associated Aviation Flight 361, an Embraer 120, crashes shortly after takeoff from Murtala Muhammed International Airport, Lagos, killing 15 people on board.

October 16 – Lao Airlines Flight 301, an ATR-72, crashes shortly before landing at Pakse International Airport under adverse weather conditions, killing all 44 passengers and five crew on board.

November 17 – Tatarstan Airlines Flight 363, a Boeing 737, crashes at Kazan International Airport, Russia, during a go-around, killing all 50 people on board.

November 29 – LAM Mozambique Airlines Flight 470, an Embraer 190, en route from Maputo Internatio

nal Airport, Mozambique, to Quatro de Fevereiro Airport, Angola crashes into Bwabwata National Park in northern Namibia, killing all 33 people on board.

2014[edit]

February 16 – Nepal Airlines Flight 183, a de Havilland Canada DHC-6, crashes near Khidim about 74 kilometres southwest of Pokhara, Nepal, killing all 18 people on board.

February 17 – Ethiopian Airlines Flight 702, a Boeing 767, is hijacked by the co-pilot while en route from Addis Ababa, Ethiopia, to Rome, Italy, but lands safely at Geneva, Switzerland. All 202 passengers and crew aboard are unharmed.

March 8 – Malaysia Airlines Flight 370, a Boeing 777 en route from Kuala Lumpur to Beijing with 227 passengers and 12 crew on board, disappears from radar over the Gulf of Thailand. A wing part was later found in Réunion.

July 17 – Malaysia Airlines Flight 17, a Boeing 777 en route from Amsterdam to Kuala Lumpur, is shot down over eastern Ukraine, killing all 283 passengers and 15 crew on board in the deadliest civilian airliner shootdown incident.

July 23 – TransAsia Airways Flight 222, an ATR-72 en route from Kaohsiung to Penghu, Taiwan, crashes during go-around, killing 48 of the 58 people on board.

July 24 – Air Algérie Flight 5017, a chartered Swiftair McDonnell Douglas MD-83 operating for Air Algérie en route from Burkina Faso to Algiers, crashes in the northern Mali desert after disappearing from radar approximately 50 minutes after takeoff, killing all 110 passengers and six crew members on board.

August 10 – Sepahan Airlines Flight 5915, a HESA IrAn-140 (an Antonov An-140 built under license) crashes shortly after takeoff from Mehrabad International Airport, Iran, killing 39 of the 48 people on board.

October 29 – Skyway Enterprises Flight 7101, a Short 360 operating a charter flight for FedEx crashes into Maho Bay shortly after takeoff from Princess Juliana International Airport, Saint Martin. Both crew members are killed.

December 28 – Indonesia AirAsia Flight 8501, an Airbus A320 en route from Surabaya, Indonesia to Singapore, crashes into waters off Borneo, killing all 155 passengers and seven crew on board.

2015[edit]

February 4 – TransAsia Airways Flight 235, an ATR-72, stalls on takeoff and crashes into the Keelung River in Taiwan after striking the Huandong Viaduct and a passing taxi. 43 of the 58 passengers and crew on board are killed.

March 5 – Delta Air Lines Flight 1086, a McDonnell Douglas MD-88 skids off the runway at LaGuardia Airport and crashes into a fence, coming inches from Flushing Bay. Several people are injured, but there are no fatalities.

March 24 – Germanwings Flight 9525, an Airbus A320, crashes in southern France en route from Barcelona, Spain to Düsseldorf, Germany as a result of a deliberate act by the first officer. All 144 passengers and 6 crew on board the aircraft die in the crash.

March 29 – Air Canada Flight 624, an Airbus A320, crashes short of the runway and hits power lines while landing at Stanfield International Airport, en route from Toronto. All 138 passengers and crew on board survive, with 23 treated for minor injuries.

April 13 – Carson Air Flight 66, a Swearingen Metro II crashes into a mountain en route to Prince George Airport, British Columbia. Both crew members are killed.

April 14 – Asiana Airlines Flight 162, an Airbus A320, crashes short of the runway and hits a localizer while landing at Hiroshima Airport, after en route from Seoul. All 82 passengers and crew on board survive, but 27 are injured.

April 25 – Turkish Airlines Flight 1878, an Airbus A320, is severely damaged in a landing accident at Atatürk International Airport. All 102 passengers and crew on board are evacuated without injury.

August 16 – Trigana Air Service Flight 267, an ATR-42, crashes while en route from Sentani Airport, to Oskibil Airport in the eastern Indonesian province of Papua. All 49 passengers and five crew members are killed in the crash in the worst aviation accident ever involving the ATR-42.

September 5 – Ceiba Intercontinental Airlines F

light 71, a Boeing 737-800, collides in a mid-air with a BAe 125 air ambulance operated by Senegalair over eastern Senegal. The BAe 125 crashes in the Atlantic killing all seven on board, while the 737 lands safely without any injuries to those on board.

September 8 – British Airways Flight 2276, a Boeing 777-200, aborts takeoff at McCarran International Airport following an engine fire. All 189 passengers and crew are evacuated safely.

October 2 – Aviastar Flight 7503, a DHC-6 Twin Otter, crashes on a mountain 11 minutes after take-off over Palopo, Indonesia, killing all 10 passengers and crew on board.

October 29 – Dynamic Airways Flight 405, a Boeing 767-200, erupts in flames while preparing for take-off at Fort Lauderdale-Hollywood International Airport. All 101 passengers and crew on board survive, but 21 people are injured.

October 31 – Metrojet Flight 9268, an Airbus A321, explodes in mid-air over the Sinai Peninsula due to a terrorist bomb, 23 minutes after takeoff from Sharm-El-Sheikh, killing all 224 passengers and crew on board.

November 4 – In the 2015 Juba An-12 crash, an Allied Services, Ltd. Antonov An-12 crashes near the White Nile shortly after takeoff from Juba International Airport, killing 37 of 39 on board.

2016[edit]

January 8 – West Air Sweden Flight 294, a Bombardier CRJ200 cargo freighter, crashes while in cruise near Akkajaure in Sweden. Both crew members on board are killed.

February 2 – Daallo Airlines Flight 159, an Airbus A321, suffers an explosion shortly after taking off from Aden Adde International Airport, Somalia. Two people are injured and one, the suspected suicide bomber, is killed after falling from the aircraft.

February 24 – Tara Air Flight 193, a Viking Air-built DHC-6 Twin Otter, flies into a storm and crashes into a mountainside at Dana, Myagdi district, Nepal, killing all 23 on board.

February 26 – In the 2016 Air Kasthamandap crash, an Air Kasthamandap PAC 750XL crash-lands in Nepal, killing the two crew members and injuring nine passengers.

March 19 – Flydubai Flight 981, a Boeing 737-800, crashes while landing at Rostov-on-Don, Russia, in poor weather. All 62 people on board are killed.

March 29 – EgyptAir Flight 181, an Airbus A320, is hijacked and forcibly diverted to Larnaca International Airport, Cyprus. All passengers and crew are released unharmed.

April 4 – Batik Air Flight 7703, a Boeing 737-800, collides with an ATR 42 on the runway at Halim Perdanakusma Airport in Jakarta. Both aircraft are substantially damaged. All 60 on board survive.

April 13 – In the 2016 Sunbird Aviation crash, a Britten-Norman Islander crashes short of the runway while landing at Kiunga, Papua New Guinea. All 12 people on board are killed.

April 29 – In the 2016 Turøy helicopter crash, a Eurocopter EC225L Super Puma helicopter crashes near Turøy, an island off the coast of Norway. All 13 passengers and crew are killed.

May 18 – In the 2016 Silk Way Airlines Antonov An-12 crash, a Silk Way Airlines Antonov An-12 cargo plane crashes after an engine failure, killing seven and injuring two.

May 19 – EgyptAir Flight 804, an Airbus A320, crashes into the eastern Mediterranean Sea after a series of sharp descending turns. All 56 passengers and 10 crew are killed.

May 27 – Korean Air Flight 2708, a Boeing 777-300, suffers an engine failure and resulting fire while taxiing for takeoff at Haneda Airport; all 319 passengers and crew are evacuated although 12 are injured.

June 27 – Singapore Airlines Flight 368, a Boeing 777-300ER, suffers an engine fire at Singapore Changi Airport after returning due to a fuel leak. All 241 passengers and crew are unharmed.

August 3 – Emirates Flight 521, a Boeing 777-300, lands wheels-up at Dubai International Airport. Shortly after landing, the plane bursts into flames. All 300 passengers and crew escape from the aircraft unharmed; one firefighter is killed by an explosion.

August 5 – ASL Airlines Hungary Flight 7332, a Boeing 737, overruns a runway on landing at Orio al Serio Internat

ional Airport; both pilots survive.\nAugust 27 – Southwest Airlines Flight 3472, a Boeing 737, suffers an uncontained engine failure over the Gulf of Mexico causing substantial damage to the aircraft and loss of cabin pressure. The aircraft lands safely at Pensacola International Airport, there are no injuries among the 104 on board.\nOctober 28 – American Airlines Flight 383, a Boeing 767-300ER, suffers an uncontained engine failure and fire at Chicago O'Hare Airport. Twenty of the 170 people on board suffer injuries.\nOctober 28 – FedEx Express Flight 910, a McDonnell Douglas MD-10-10F, skids off the runway after the landing gear collapses on landing at Fort Lauderdale-Hollywood International Airport; the left wing is severely damaged in a post-crash fire but both pilots survive.\nNovember 28 – LaMia Airlines Flight 2933, an Avro RJ85, crashes at Cerro Gordo en route to Medellín, Colombia. It was carrying the Brazilian football team Chapecoense. Only six survive among 77 passengers and crew.\nDecember 7 – Pakistan International Airlines Flight 661, a ATR-42-500, crashes at Havelian while en route from Chitral to Islamabad. All 42 passengers and five crew members are killed in the accident.\nDecember 20 – Aerosucre Flight 4544, a Boeing 727-200, crashes while failing to take off from Puerto Carreño en route to Bogotá, Colombia. Only one survives of the six crew members on board.\nDecember 23 – Afriqiyah Airways Flight 209, an Airbus A320-214, is hijacked by two Gaddafi supporters and forced to land at Malta Airport. After several hours, all passengers and crew are released and the hijackers surrender.\n2017[edit]\nJanuary 16 – Turkish Airlines Flight 6491, a Boeing 747-400F, crashes into a residential area upon attempting landing in thick fog in Bishkek, Kyrgyzstan. The four crew members and 35 people on the ground are killed.\nMarch 20 – South Supreme Airlines Antonov An-26 crash, an Antonov An-26, crashes on landing at Wau Airport, South Sudan. All 40 passengers and five crew members survive.\nMarch 28 – Peruvian Airlines Flight 112, a Boeing 737-300, is burnt out following the collapse of the landing gear at Francisco Carle Airport, Jauja. All 150 people on board survive.\nApril 29 – In the 2017 Aerogaviota Antonov An-26 crash, an Antonov An-26 crashes into a mountain while on a military charter flight from Gustavo Rizo Airport, Cuba. All 8 on board are killed.\nMay 27 – Summit Air Flight 409, a Let L-410 operating a cargo flight crashes short of Lukla Airport, Nepal in poor visibility. Two of the three crew members are killed, one of whom dies later in hospital.\nJuly 7 – Air Canada Flight 759, an Airbus A320, nearly lands on a taxiway occupied by four jets at SFO 28R. No one is killed or injured.\nSeptember 30 – Air France Flight 66, an Airbus A380, suffers an uncontained engine failure and makes an emergency landing at Goose Bay Airport, Canada. No one is killed or injured.\nOctober 14 – In the 2017 Valan International Antonov An-26 crash, an Antonov An-26 crashes into the sea just short of Abidjan's Félix Houphouët Boigny International Airport, Ivory Coast. Four of the ten occupants are killed.\nDecember 13 – West Wind Aviation Flight 280, an ATR 42-300, crashes shortly after takeoff from Fond-du-Lac Airport, Saskatchewan, Canada. Of the 25 passengers and crew on board, all initially survive, but one passenger dies of his injuries in the hospital 12 days later.\nDecember 31 – In the 2017 Nature Air Cessna 208 Caravan crash, a Cessna 208 Caravan crashes shortly after takeoff from Punta Islita Airport, Costa Rica. All 12 passengers and crew on board are killed.\n2018[edit]\nJanuary 13 – Pegasus Airlines Flight 8622, a Boeing 737-800 skids off the end of the runway at Trabzon Airport, Turkey and comes to rest on a steep hill. All 168 passengers and crew survive and without any injuries.\n^ "Pilots reveal death-defying ordeal as engines failed on approach to Chek Lap Kok". South China Morning Post. 20 April 2014. Retrieved 21 April 2014.\xa0\nAircraft Crash



[illegible]



```
In [291]: # TODO: change column types according to Step 2
routes_df['airline_id']=routes_df['airline_id'].astype(int)
routes_df['source_airport_id']=routes_df['source_airport_id'].astype(int)
routes_df['destination_airport_id']=routes_df['destination_airport_id'].
astype(int)
```

```
In [292]: # TODO: read and clean raw text file and store in clean_incidents
import re
with open('incidents_raw.txt','r') as raw_file:
    incidents_raw=re.sub(r'1919(.*)1997','1997',raw_file.read())
incidents_list=incidents_raw.splitlines()
incidents_list

for element in incidents_list:

    if re.match(r'\d{4}\[edit]',element):
        nikhil=element
        new_list.append(nikhil+element)

new_new_list=[]
for element in new_list:
    if re.match(r'\d{4}\[edit]\d{4}\[edit]',element):
        continue
    else:
        new_new_list.append(element)

new_list1=[]
for element in new_new_list:
    if re.match(r'(.*)\[edit\]',element):
        #x=re.match(r'(.*)\[edit\]',element)
        #new_list1.append((re.sub(x.group(0),'',element)))
        element=element.replace('[edit]',' ')
        new_list1.append(element)
        #print('verify')
    else:
        new_list1.append(element)

#clean
clean_incidents=[]
for element in new_list1:
    if re.match(r'\d{4}\ [a-zA-Z0-9]+ \d{1,2} - (.*?)Flight.*',element):

        clean_incidents.append(element)

#clean incidents

#k=0
#year=1997
#clean_incidents=re.split(r'\d{4}\[edit]',incidents_list)
```

```
In [293]: # TODO: convert clean_incidents into dataframe incidents_df
incident_date=[]
name_number=[]
for element in clean_incidents:

    incident_date.append(element.split(' - ')[0])
    name_number.append((element.split(' - ')[-1]))
name1=[]
number1=[]
for element in name_number:
    name1.append((element.split(' Flight'))[0])
    number1.append((element.split('Flight ')[-1]))

flight_number=[]
for element in number1:
    flight_number.append((element.split(',')[0])

flight_number1=[]
for element in flight_number:
    flight_number1.append(((re.sub(r'[a-zA-Z](.*)', ' ',element))))

temp_dict1={'Airline':name1,'Date':incident_date, 'FlightNum':flight_number1}
incidents_df=pd.DataFrame.from_dict(temp_dict1)
incidents_df=incidents_df.drop_duplicates(subset=['Airline', 'Date','FlightNum'])
incidents_df
```

Out[293]:

	<b>Airline</b>	<b>Date</b>	<b>FlightNum</b>
<b>0</b>	Comair	1997 January 9	3272
<b>1</b>	Stavropolskaya Aktsionernaya Avia	1997 March 18	1023
<b>2</b>	Merpati Nusantara Airlines	1997 April 19	106
<b>3</b>	China Southern Airlines	1997 May 8	3456
<b>4</b>	FedEx Express	1997 July 31	14
<b>5</b>	Sempati Air	1997 July 17	304
<b>6</b>	Korean Air	1997 August 6	801
<b>7</b>	Formosa Airlines	1997 August 10	7601
<b>8</b>	Vietnam Airlines	1997 September 3	815
<b>9</b>	Royal Brunei Airlines	1997 September 6	238
<b>10</b>	Garuda Indonesia	1997 September 26	152
<b>11</b>	Austral Líneas Aéreas	1997 October 10	2553
<b>12</b>	Tajikistan Airlines	1997 December 15	3183
<b>13</b>	Aerosvit	1997 December 17	241
<b>14</b>	SilkAir	1997 December 19	185
<b>15</b>	United Airlines	1997 December 28	826
<b>16</b>	Cebu Pacific	1998 February 2	387
<b>17</b>	China Airlines	1998 February 16	676
<b>18</b>	Philippine Airlines	1998 March 22	137
<b>19</b>	Air France	1998 April 20	422
<b>20</b>	PIA	1998 May 25	544
<b>21</b>	Propair	1998 June 18	420
<b>22</b>	Proteus Airlines	1998 July 30	706:
<b>23</b>	Myanma Airways	1998 August 24	635
<b>24</b>	Cubana de Aviación	1998 August 29	389
<b>25</b>	Swissair	1998 September 2	111
<b>26</b>	PauknAir	1998 September 25	4101
<b>27</b>	Lionair	1998 September 29	602
<b>28</b>	Thai Airways International	1998 December 11	261
<b>29</b>	China Southwest Airlines	1999 February 24	4509
...	...	...	...
<b>301</b>	Ceiba Intercontinental Airlines	2015 September 5	71

	<b>Airline</b>	<b>Date</b>	<b>FlightNum</b>
<b>302</b>	British Airways	2015 September 8	2276
<b>303</b>	Aviastar	2015 October 2	7503
<b>304</b>	Dynamic Airways	2015 October 29	405
<b>305</b>	Metrojet	2015 October 31	9268
<b>306</b>	West Air Sweden	2016 January 8	294
<b>307</b>	Daallo Airlines	2016 February 2	159
<b>308</b>	Tara Air	2016 February 24	193
<b>309</b>	Flydubai	2016 March 19	981
<b>310</b>	EgyptAir	2016 March 29	181
<b>311</b>	Batik Air	2016 April 4	7703
<b>312</b>	EgyptAir	2016 May 19	804
<b>313</b>	Korean Air	2016 May 27	2708
<b>314</b>	Singapore Airlines	2016 June 27	368
<b>315</b>	Emirates	2016 August 3	521
<b>316</b>	ASL Airlines Hungary	2016 August 5	7332
<b>317</b>	Southwest Airlines	2016 August 27	3472
<b>318</b>	American Airlines	2016 October 28	383
<b>319</b>	FedEx Express	2016 October 28	910
<b>320</b>	LaMia Airlines	2016 November 28	2933
<b>321</b>	Pakistan International Airlines	2016 December 7	661
<b>322</b>	Aerosucre	2016 December 20	4544
<b>323</b>	Afriqiyah Airways	2016 December 23	209
<b>324</b>	Turkish Airlines	2017 January 16	6491
<b>325</b>	Peruvian Airlines	2017 March 28	112
<b>326</b>	Summit Air	2017 May 27	409
<b>327</b>	Air Canada	2017 July 7	759
<b>328</b>	Air France	2017 September 30	66
<b>329</b>	West Wind Aviation	2017 December 13	280
<b>330</b>	Pegasus Airlines	2018 January 13	8622

322 rows × 3 columns

```
In [294]: # TODO: change column type of 'Date'
          date=incidents_df['Date']
          date=pd.to_datetime(date)
          incidents_df['Date']=date
```

## Step 2

```
In [295]: airports_df
```



Out[ 295 ] :

	airport_id	airport_name	city	country	iata_ffa	icao	latitude
0	1	Goroka	Goroka	Papua New Guinea	GKA	AYGA	-6.081689
1	2	Madang	Madang	Papua New Guinea	MAG	AYMD	-5.207083
2	3	Mount Hagen	Mount Hagen	Papua New Guinea	HGU	AYMH	-5.826789
3	4	Nadzab	Nadzab	Papua New Guinea	LAE	AYNZ	-6.569828
4	5	Port Moresby Jacksons Intl	Port Moresby	Papua New Guinea	POM	AYPY	-9.443383
5	6	Wewak Intl	Wewak	Papua New Guinea	WWK	AYWK	-3.583828
6	7	Narsarsuaq	Narssarssuaq	Greenland	UAK	BGBW	61.160517
7	8	Nuuk	Godthaab	Greenland	GOH	BGGH	64.190922
8	9	Sondre Stromfjord	Sondrestrom	Greenland	SFJ	BGSF	67.016969
9	10	Thule Air Base	Thule	Greenland	THU	BGTL	76.531203
10	11	Akureyri	Akureyri	Iceland	AEY	BIAR	65.659994
11	12	Egilsstadir	Egilsstadir	Iceland	EGS	BIEG	65.283333
12	13	Hornafjordur	Hofn	Iceland	HFN	BIHN	64.295556
13	14	Husavik	Husavik	Iceland	HZK	BIHU	65.952328
14	15	Isafjordur	Isafjordur	Iceland	IFJ	BIIS	66.058056
15	16	Keflavik International Airport	Keflavik	Iceland	KEF	BIKF	63.985000
16	17	Patreksfjordur	Patreksfjordur	Iceland	PFJ	BIPA	65.555833
17	18	Reykjavik	Reykjavik	Iceland	RKV	BIRK	64.130000
18	19	Siglufjordur	Siglufjordur	Iceland	SIJ	BISI	66.133333
19	20	Vestmannaeyjar	Vestmannaeyjar	Iceland	VEY	BIVM	63.424303
20	21	Sault Ste Marie	Sault Sainte Marie	Canada	YAM	CYAM	46.485001

	airport_id	airport_name	city	country	iata_ffa	icao	latitude
21	22	Winnipeg St Andrews	Winnipeg	Canada	YAV	CYAV	50.056389
22	23	Shearwater	Halifax	Canada	YAW	CYAW	44.639721
23	24	St Anthony	St. Anthony	Canada	YAY	CYAY	51.391944
24	25	Tofino	Tofino	Canada	YAZ	CYAZ	49.082222
25	26	Kugaaruk	Pelly Bay	Canada	YBB	CYBB	68.534444
26	27	Baie Comeau	Baie Comeau	Canada	YBC	CYBC	49.132500
27	28	Bagotville	Bagotville	Canada	YBG	CYBG	48.330555
28	29	Baker Lake	Baker Lake	Canada	YBK	CYBK	64.298889
29	30	Campbell River	Campbell River	Canada	YBL	CYBL	49.950832
...	...	...	...	...	...	...	...
8077	9512	Port of Seattle	Seattle	United States		PSEA	47.609178
8078	9513	Ferry Terminal	Whittier	United States		WHIT	60.776566
8079	9514	Ferry Terminal	Valdez	United States		VLDZ	61.123976
8080	9515	Gare Routiere	Saint-Louis	Reunion		STLS	-21.289604
8081	9516	Bus Stop	La Riviere	Reunion		LRIV	-21.272574
8082	9517	Bus Stop	Cilaos	Reunion		CILS	-21.135518
8083	9518	Bus Stop	Hell-Bourg	Reunion		HLBG	-21.064020
8084	9519	Bus Stop	Salazie	Reunion		SLZI	-21.027485
8085	9520	Gare	St Andre	Reunion		ANDR	-20.963272
8086	9521	L'Ocean Bus Terminal	Saint Denis	Reunion		SDNS	-20.877683
8087	9522	Gare Routiere	Saint Pierre	Reunion		STPR	-21.334240
8088	9523	Baie Ste Anne	Praslin	Seychelles		PLIN	-4.347119
8089	9524	La Passe	La Digue	Seychelles		LADG	-4.347969
8090	9525	Ferry Dock	Bainbridge Island	United States		BAIN	47.622237
8091	9526	Bus	Phnom Penh	Cambodia		PNMP	11.561716
8092	9527	Bus	Siem Reap	Cambodia		SMRP	13.361002
8093	9528	Bus	Sihanoukville	Cambodia		SNKV	10.607220
8094	9529	Bus	Kampot	Cambodia		KMPT	10.614922

	airport_id	airport_name	city	country	iata_ffa	icao	latitude
<b>8095</b>	9530	Bus	Kep	Cambodia		KEPC	10.480174
<b>8096</b>	9531	Main Station	Taipei	Taiwan		TPEI	25.046176
<b>8097</b>	9532	Prominent Hill	Prominent Hill	Australia	PXH	YPMH	-29.716667
<b>8098</b>	9533	Chatsworth Station	Chatsworth	United States	CWT		34.256944
<b>8099</b>	9534	Algerciras Port	Algerciras	Spain			36.136000
<b>8100</b>	9535	Ganges Water Aerodrome	Ganges	Canada	YGG		48.850000
<b>8101</b>	9536	Pender Harbour Water Aerodrome	Pender Harbour	Canada	YPT		49.616667
<b>8102</b>	9537	Mansons Landing Water Aerodrome	Mansons Landing	Canada	YMU		50.066667
<b>8103</b>	9538	Port McNeill Airport	Port McNeill	Canada	YMP		50.575556
<b>8104</b>	9539	Sullivan Bay Water Aerodrome	Sullivan Bay	Canada	YTG		50.883333
<b>8105</b>	9540	Deer Harbor Seaplane	Deer Harbor	United States	DHB		48.618397
<b>8106</b>	9541	San Diego Old Town Transit Center	San Diego	United States	OLT		32.755200

8107 rows × 12 columns

```
In [296]: airlines_df
```

Out[296]:

	airline_id	airline_name	airline_alias	iata	icao	airline_callsign	country	active
0	1	Private flight		-				Y
1	2	135 Airways			GNL	GENERAL	United States	N
2	3	1Time Airline		1T	RNX	NEXTIME	South Africa	Y
3	4	2 Sqn No 1 Elementary Flying Training School			WYT		United Kingdom	N
4	5	213 Flight Unit			TFU		Russia	N
5	6	223 Flight Unit State Airline			CHD	CHKALOVSK-AVIA	Russia	N
6	7	224th Flight Unit			TTF	CARGO UNIT	Russia	N
7	8	247 Jet Ltd			TWF	CLOUD RUNNER	United Kingdom	N
8	9	3D Aviation			SEC	SECUREX	United States	N
9	10	40-Mile Air		Q5	MLA	MILE-AIR	United States	Y
10	11	4D Air			QRT	QUARTET	Thailand	N
11	12	611897 Alberta Limited			THD	DONUT	Canada	N
12	13	Ansett Australia		AN	AAA	ANSETT	Australia	Y
13	14	Abacus International		1B			Singapore	Y
14	15	Abelag Aviation		W9	AAB	ABG	Belgium	N
15	16	Army Air Corps			AAC	ARMYAIR	United Kingdom	N
16	17	Aero Aviation Centre Ltd.			AAD	SUNRISE	Canada	N
17	18	Aero Servicios Ejecutivos Internacionales			SII	ASEISA	Mexico	N
18	19	Aero Biniza			BZS	BINIZA	Mexico	N
19	20	Aero Albatros			ABM	ALBATROS ESPANA	Spain	N

	airline_id	airline_name	airline_alias	iata	icao	airline_callsign	country	active
20	21	Aigle Azur		ZI	AAF	AIGLE AZUR	France	Y
21	22	Aloha Airlines		AQ	AAH	ALOHA	United States	Y
22	23	Alaska Island Air			AAK	ALASKA ISLAND	United States	N
23	24	American Airlines		AA	AAL	AMERICAN	United States	Y
24	25	Aviation Management Corporation			AAM	AM CORP	United States	N
25	26	Atlantis Airlines (USA)			AAO	ATLANTIS AIR	United States	N
26	27	Aerovista Airlines			AAP	AEROVISTA GROUP	United Arab Emirates	N
27	28	Asiana Airlines		OZ	AAR	ASIANA	Republic of Korea	Y
28	29	Askari Aviation		4K	AAS	AL-AAS	Pakistan	Y
29	30	Australia Asia Airlines			AAU	AUSTASIA	Australia	N
...	...	...	...	...	...	...	...	...
6018	19651	CARICOM AIRWAYS (BARBADOS) INC.	CARICOM AIRWAYS		CCB		Barbados	Y
6019	19674	Rainbow Air (RAI)	Rainbow Air (RAI)	RN	RAB	Rainbow	United States	Y
6020	19675	Rainbow Air Canada	Rainbow Air CAN	RY	RAY	Rainbow CAN	Canada	Y
6021	19676	Rainbow Air Polynesia	Rainbow Air POL	RX	RPO	Rainbow Air	United States	Y
6022	19677	Rainbow Air Euro	Rainbow Air EU	RU	RUE	Rainbow Air	United Kingdom	Y
6023	19678	Rainbow Air US	Rainbow Air US	RM	RNY	Rainbow Air	United States	Y
6024	19745	Transilvania			TNS		Romania	Y
6025	19751	Dobrolet	Добролёт	QD	DOB	DOBROLET	Russia	Y

	airline_id	airline_name	airline_alias	iata	icao	airline_callsign	country	active
6026	19774	Spike Airlines	Aero Spike	S0	SAL	Spike Air	United States	Y
6027	19776	Grand Cru Airlines			GCA		Lithuania	Y
6028	19785	Go2Sky			RLX	RELAX	Slovakia	Y
6029	19803	All Argentina	All Argentina	L1	AL1		Argentina	Y
6030	19804	All America	All America	A2	AL2		United States	Y
6031	19805	All Asia	All Asia	L9	AL3		China	Y
6032	19806	All Africa	All Africa	9A	99F		South Africa	Y
6033	19807	Regionalia México	Regionalia México	N4	J88		Mexico	Y
6034	19808	All Europe	All Europe	N9	N99		United Kingdom	Y
6035	19809	All Spain	All Spain	N7	N77		Spain	Y
6036	19810	Regional Air Iceland	Regional Air Iceland	9N	N78		Iceland	Y
6037	19811	British Air Ferries		??	??!		United Kingdom	N
6038	19812	Voestar	Voestar Brasil	8K	K88		Brazil	Y
6039	19813	All Colombia	All Colombia	7O	7KK		Colombia	Y
6040	19814	Regionalia Uruguay	Regionalia Uruguay	2X	2K2		Uruguay	Y
6041	19815	Regionalia Venezuela	Regionalia Venezuela	9X	9XX		Venezuela	Y
6042	19827	Regionalia Chile	Regionalia Chile	9J	CR1		Chile	Y
6043	19828	Vuela Cuba	Vuela Cuba	6C	6CC		Cuba	Y
6044	19830	All Australia	All Australia	88	8K8		Australia	Y
6045	19831	Fly Europa		ER	RWW		Spain	Y
6046	19834	FlyPortugal		PO	FPT	FlyPortugal	Portugal	Y
6047	19845	FTI Fluggesellschaft			FTI		Germany	N

6048 rows × 8 columns



```
In [297]: routes_df
```

Out[297]:

	airline_iata_icao	airline_id	source_airport_iata_icao	source_airport_id	destination
0	2B	410	AER	2965	KZN
1	2B	410	ASF	2966	KZN
2	2B	410	ASF	2966	MRV
3	2B	410	CEK	2968	KZN
4	2B	410	CEK	2968	OVV
5	2B	410	DME	4029	KZN
6	2B	410	DME	4029	NBC
8	2B	410	DME	4029	UUA
9	2B	410	EGO	6156	KGD
10	2B	410	EGO	6156	KZN
11	2B	410	GYD	2922	NBC
12	2B	410	KGD	2952	EGO
13	2B	410	KZN	2990	AER
14	2B	410	KZN	2990	ASF
15	2B	410	KZN	2990	CEK
16	2B	410	KZN	2990	DME
17	2B	410	KZN	2990	EGO
18	2B	410	KZN	2990	LED
19	2B	410	KZN	2990	SVX
20	2B	410	LED	2948	KZN
21	2B	410	LED	2948	NBC
22	2B	410	LED	2948	UUA
23	2B	410	MRV	2962	ASF
24	2B	410	NBC	6969	DME
25	2B	410	NBC	6969	GYD
26	2B	410	NBC	6969	LED
27	2B	410	NBC	6969	SVX
28	2B	410	NJC	2972	SVX
29	2B	410	NJC	2972	UUA
30	2B	410	NUX	4364	SVX
...	...	...	...	...	...
67633	ZL	4178	SYD	3361	ABX

	airline_iata_icao	airline_id	source_airport_iata_icao	source_airport_id	destination
67634	ZL	4178	SYD	3361	ARM
67635	ZL	4178	SYD	3361	BHQ
67636	ZL	4178	SYD	3361	BHS
67637	ZL	4178	SYD	3361	BNK
67638	ZL	4178	SYD	3361	DBO
67639	ZL	4178	SYD	3361	GFF
67640	ZL	4178	SYD	3361	LSY
67641	ZL	4178	SYD	3361	MIM
67642	ZL	4178	SYD	3361	SQL
67643	ZL	4178	SYD	3361	MYA
67644	ZL	4178	SYD	3361	NRA
67645	ZL	4178	SYD	3361	NTL
67646	ZL	4178	SYD	3361	OAG
67647	ZL	4178	SYD	3361	PKE
67648	ZL	4178	SYD	3361	TRO
67649	ZL	4178	SYD	3361	WGA
67650	ZL	4178	TRO	6794	GFN
67651	ZL	4178	TRO	6794	SYD
67652	ZL	4178	TSV	3330	ISA
67653	ZL	4178	TSV	3330	WIN
67654	ZL	4178	WGA	3363	MEL
67655	ZL	4178	WGA	3363	SYD
67656	ZL	4178	WIN	6337	LRE
67657	ZL	4178	WIN	6337	TSV
67658	ZL	4178	WYA	6334	ADL
67659	ZM	19016	DME	4029	FRU
67660	ZM	19016	FRU	2912	DME
67661	ZM	19016	FRU	2912	OSS
67662	ZM	19016	OSS	2913	FRU

66548 rows × 9 columns

```
In [298]: incidents_df
```

Out[ 298 ] :

	<b>Airline</b>	<b>Date</b>	<b>FlightNum</b>
<b>0</b>	Comair	1997-01-09	3272
<b>1</b>	Stavropolskaya Aktsionernaya Avia	1997-03-18	1023
<b>2</b>	Merpati Nusantara Airlines	1997-04-19	106
<b>3</b>	China Southern Airlines	1997-05-08	3456
<b>4</b>	FedEx Express	1997-07-31	14
<b>5</b>	Sempati Air	1997-07-17	304
<b>6</b>	Korean Air	1997-08-06	801
<b>7</b>	Formosa Airlines	1997-08-10	7601
<b>8</b>	Vietnam Airlines	1997-09-03	815
<b>9</b>	Royal Brunei Airlines	1997-09-06	238
<b>10</b>	Garuda Indonesia	1997-09-26	152
<b>11</b>	Austral Líneas Aéreas	1997-10-10	2553
<b>12</b>	Tajikistan Airlines	1997-12-15	3183
<b>13</b>	Aerosvit	1997-12-17	241
<b>14</b>	SilkAir	1997-12-19	185
<b>15</b>	United Airlines	1997-12-28	826
<b>16</b>	Cebu Pacific	1998-02-02	387
<b>17</b>	China Airlines	1998-02-16	676
<b>18</b>	Philippine Airlines	1998-03-22	137
<b>19</b>	Air France	1998-04-20	422
<b>20</b>	PIA	1998-05-25	544
<b>21</b>	Propair	1998-06-18	420
<b>22</b>	Proteus Airlines	1998-07-30	706:
<b>23</b>	Myanma Airways	1998-08-24	635
<b>24</b>	Cubana de Aviación	1998-08-29	389
<b>25</b>	Swissair	1998-09-02	111
<b>26</b>	PauknAir	1998-09-25	4101
<b>27</b>	Lionair	1998-09-29	602
<b>28</b>	Thai Airways International	1998-12-11	261
<b>29</b>	China Southwest Airlines	1999-02-24	4509
...	...	...	...
<b>301</b>	Ceiba Intercontinental Airlines	2015-09-05	71

	<b>Airline</b>	<b>Date</b>	<b>FlightNum</b>
<b>302</b>	British Airways	2015-09-08	2276
<b>303</b>	Aviastar	2015-10-02	7503
<b>304</b>	Dynamic Airways	2015-10-29	405
<b>305</b>	Metrojet	2015-10-31	9268
<b>306</b>	West Air Sweden	2016-01-08	294
<b>307</b>	Daallo Airlines	2016-02-02	159
<b>308</b>	Tara Air	2016-02-24	193
<b>309</b>	Flydubai	2016-03-19	981
<b>310</b>	EgyptAir	2016-03-29	181
<b>311</b>	Batik Air	2016-04-04	7703
<b>312</b>	EgyptAir	2016-05-19	804
<b>313</b>	Korean Air	2016-05-27	2708
<b>314</b>	Singapore Airlines	2016-06-27	368
<b>315</b>	Emirates	2016-08-03	521
<b>316</b>	ASL Airlines Hungary	2016-08-05	7332
<b>317</b>	Southwest Airlines	2016-08-27	3472
<b>318</b>	American Airlines	2016-10-28	383
<b>319</b>	FedEx Express	2016-10-28	910
<b>320</b>	LaMia Airlines	2016-11-28	2933
<b>321</b>	Pakistan International Airlines	2016-12-07	661
<b>322</b>	Aerosucre	2016-12-20	4544
<b>323</b>	Afriqiyah Airways	2016-12-23	209
<b>324</b>	Turkish Airlines	2017-01-16	6491
<b>325</b>	Peruvian Airlines	2017-03-28	112
<b>326</b>	Summit Air	2017-05-27	409
<b>327</b>	Air Canada	2017-07-07	759
<b>328</b>	Air France	2017-09-30	66
<b>329</b>	West Wind Aviation	2017-12-13	280
<b>330</b>	Pegasus Airlines	2018-01-13	8622

322 rows × 3 columns

## Tasks for Step 3

In [299]: *# TODO: add the SQLite3 starter code from Step 3*

```
# Use to_sql to save your Dataframes
import sqlite3
engine=sqlite3.connect('HW1_DB')
airlines_df.to_sql('airlines', engine, if_exists='replace', index=False)
airports_df.to_sql('airports', engine, if_exists='replace', index=False)
flights_df.to_sql('flights', engine, if_exists='replace', index=False)
routes_df.to_sql('routes', engine, if_exists='replace', index=False)
incidents_df.to_sql('incidents', engine, if_exists='replace', index=False)
```

In [300]: *# Test that the data is there!*

```
cursor = engine.execute('select * from airports limit 1000')
rows = cursor.fetchall()
rows
```



```

Out[300]: [(1,
            'Goroka',
            'Goroka',
            'Papua New Guinea',
            'GKA',
            'AYGA',
            -6.081689,
            145.391881,
            5282,
            10.0,
            'U',
            'Pacific/Port_Moresby'),
          (2,
            'Madang',
            'Madang',
            'Papua New Guinea',
            'MAG',
            'AYMD',
            -5.207083,
            145.7887,
            20,
            10.0,
            'U',
            'Pacific/Port_Moresby'),
          (3,
            'Mount Hagen',
            'Mount Hagen',
            'Papua New Guinea',
            'HGU',
            'AYMH',
            -5.826789,
            144.295861,
            5388,
            10.0,
            'U',
            'Pacific/Port_Moresby'),
          (4,
            'Nadzab',
            'Nadzab',
            'Papua New Guinea',
            'LAE',
            'AYNZ',
            -6.569828,
            146.72624199999998,
            239,
            10.0,
            'U',
            'Pacific/Port_Moresby'),
          (5,
            'Port Moresby Jacksons Intl',
            'Port Moresby',
            'Papua New Guinea',
            'POM',
            'AYPY',
            -9.443383,
            147.22005,
            146,

```

```

10.0,
'U',
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