Airlines On-Time Performance, Delays, Cancellations and Diversions

Milestone 1 -

Introduction:

Airline cancellations or delays are one of the major causes of passenger inconvenience. With the publicly available dataset, using data science, I am hoping to gain meaningful insights into the best-performing airlines and understand the causes of delays, diversions and cancellations across different airline carriers. For the final project, I would like to analyze airline data to identify different factors and their effects on a carrier's performance. As a performance measure, I would like to explore on-time arrivals, and the number of cancellations by the carrier and explore different reasons for delays and diversions. Based on the outcome, carriers can take necessary actions to focus on the problem areas.

Data Source:

- Flat File: Excel files from BTS. The Excel data has airline performance factors such as cancelled, diverted, delayed and on-time data. The downloaded raw data has up to 34 columns.
 https://www.transtats.bts.gov/OT_Delay/OT_DelayCause1.asp?20=E (Download Raw Data link for data).
- API: API provides historical weather information. https://visual-crossing-weather.p.rapidapi.com/history? startDateTime={}&aggregateHours=24&location={}&endDateTime={}&unitGroup=us
- Website: The website consists of a list of diverted flights. https://www.diverted.eu/

Relationships:

The Flat file is the main data source with scheduled flight information.

Flat File - API:

Data from the flat file has cancellations and delays due to weather. I would like to look up the weather information for the flight date at the origin/destination of flights cancelled or delayed due to bad weather. The Bureau data has up to January 2023 data. To look up the weather for a past date, I would need historic weather data. The API gets the historic weather data for a location (origin or destination city name). This will enable us to validate if there truly was a bad weather situation for a flight to be delayed or cancelled. With this, we can also identify the cause of bad weather like storms, snow, wind, etc.

• Flat file has many to many relation with the API. We will need to pass the flight date and the origin or destination city to the API to get weather information for a particular date and place.

Flat File - Website:

The flat file has a column for diverted flights but does not have any information on the cause for diversion. I would like to look up the reason for a flight being diverted. The

website and flat file can be matched on flight date, origin and destination to lookup diverted flight information.

• Flat file has many to many relation with the Website. We will need to pass the flight date and the origin and destination city to the website to get flight diversion details for a particular date and route.

Project Subject Area:

The project aims on identifying various performance measures in airline operations. Using the statistical analysis we can gain insights into the best and least performing airline carriers and the most common reasons for delays and cancellations.

Challenges:

The flight performance data size is huge (flat file). I would have to find ways to reduce data to a reasonable size without losing meaningful information.

Conclusion:

For the first project milestone, I have identified data from different sources in different formats. I will be applying various data cleansing and visualization techniques on this dataset to gain meaningful insights in the upcoming project milestones.

Milestone 2 - Cleaning/Formatting Flat File Source

Flat File: Excel files from BTS. The Excel data has airline performance factors such as cancelled, diverted, delayed and on-time data. The downloaded raw data has up to 34 columns. https://www.transtats.bts.gov/OT_Delay/OT_DelayCause1.asp?20=E (Download Raw Data link for data). The Flat file is the main data source with scheduled flight information.

```
import pandas as pd
from datetime import datetime
import numpy as np

#Milestone 3 libraries
from urllib.request import Request, urlopen
from bs4 import BeautifulSoup

#Milestone 4 libraries
#import requests
import urllib.request, urllib.parse, urllib.error
import json
import requests
import requests
import requests
import requests
import requests
```

```
In [2]: #Read flight data from "https://www.transtats.bts.gov/OT_Delay/OT_DelayCause1.asp?20=E"
    flight_data_df = pd.read_csv('T_ONTIME_MARKETING_May.csv')
    flight_data_df.head(5)
```

•		YEAR	QUARTER	MONTH	DAY_OF_MONTH	DAY_OF_WEEK	FL_DATE	MKT_UNIQUE_CARRIER	OP_UNIQUE_CAI
	0	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	1	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	2	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	3	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	4	2022	2	5	1	7	5/1/2022 12:00:00 AM	АА	

5 rows × 39 columns

Out[2]:

Data Transformation

i. Drop Columns

Drop unwanted columns to reduce the data size and improve data readability. Columns that I will not be using for this project are as follows:

- ORIGIN_AIRPORT_ID
- ACTUAL_ELAPSED_TIME
- AIR_TIME
- FLIGHTS
- ORIGIN_WAC
- DEST_AIRPORT_ID
- DEST_WAC
- AIR_TIME

Out[3]:		YEAR	QUARTER	MONTH	DAY_OF_MONTH	DAY_OF_WEEK	FL_DATE	MKT_UNIQUE_CARRIER	OP_UNIQUE_CAI
	0	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	1	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	2	2022	2	5	1	7	5/1/2022 12:00:00 AM	АА	
	3	2022	2	5	1	7	5/1/2022	AA	

					12:00:00		
					AM		
	2022	2	-	4	5/1/2022 ' 12:00:00	A A	
4 2	2022	2	5	1	12:00:00 AM	AA	

5 rows × 32 columns

ii. Look for Duplicates

Duplicates cause inconsistent results when dealing with statistics. Hence dropping duplicate rows.

```
In [4]: print('Dataframe before dropping duplicates :', flight_data_df.shape)
    flight_data_df = flight_data_df.drop_duplicates() # 1,389 rows dropped
    print('Dataframe after dropping duplicates :',flight_data_df.shape)

Dataframe before dropping duplicates : (602950, 32)
Dataframe after dropping duplicates : (601561, 32)
```

iii. Replace values in a column

Cancellation code is represented as A, B, C and D, which is not very informative. The BTS website provided details on this code as follows:

- A Carrier
- B Weather
- C National Air System
- D Security

```
In [5]: flight data df.CANCELLATION CODE = np.where(flight data df.CANCELLATION CODE=='A', 'Carr
                                          np.where(flight data df.CANCELLATION CODE == 'B', 'Weathe
                                                   np.where(flight data df.CANCELLATION CODE=='C'
                                                            np.where(flight data df.CANCELLATION
        flight data df.groupby(['CANCELLATION CODE'])['CANCELLATION CODE'].count().sort index()
        CANCELLATION CODE
Out[5]:
                               590957
                                 4902
        Carrier
        National Air System
                                 1394
        Security
                                 4307
        Weather
        Name: CANCELLATION CODE, dtype: int64
```

iv. Rename Column

To make more sense of the information in cancellation_code, replacing the column to cancellation reason.

```
In [6]: flight_data_df = flight_data_df.rename(columns={"CANCELLATION_CODE": "CANCELLATION_REASO
    flight_data_df.columns
```

v. Add new columns

STATUS

```
#Adding a new column 'STATUS' that tells the status of a flight
In [7]:
        flight data df['STATUS'] = ''
        flight data df.STATUS = np.where(flight data df.CANCELLED==1, 'Cancelled',
                                         np.where(flight data df.DIVERTED == 1, 'Diverted',
                                                   np.where(flight data df.ARR DELAY<=15, 'On-Tim
                                                            np.where(flight data df.ARR DELAY>15,
        flight data df.groupby(['STATUS'])['STATUS'].count().sort index()
        STATUS
Out[7]:
        Cancelled
                     10604
                     119624
        Delayed
        Diverted
                      1581
        On-Time
                     469752
        Name: STATUS, dtype: int64
```

DELAYED

As a step to data reduction, I will be considering flights arriving 15 minutes or later as delayed

DELAY REASON

Carrier

72453

LateAircraft 25504 NAS 17384 Security 131 Weather 4152

Name: DELAY_REASON, dtype: int64

vi. Implementing arithmetic functions for statistical analysis

```
In [10]: # Create a new dataframe with total number of flights per operating carrier to calculate

flight_totals = flight_data_df.value_counts(subset=['OP_UNIQUE_CARRIER']).reset_index()
flight_totals_df = pd.DataFrame(flight_totals) # Convert to dataframe
flight_totals_df.columns = ['OP_UNIQUE_CARRIER','TOTAL'] # Assign Column names
flight_totals_df['PERCENTAGE'] = round(flight_totals_df.TOTAL/flight_totals_df.TOTAL.sum

flight_totals_df = flight_totals_df.sort_values('PERCENTAGE', ascending=False) #Sort by p
flight_totals_df.head(5)
```

Out[10]:		OP_UNIQUE_CARRIER	TOTAL	PERCENTAGE
	0	WN	107950	17.94
	1	DL	76021	12.64
	2	AA	71471	11.88
	3	00	66615	11.07
	4	UA	53535	8.90

```
In [11]:
# Calculate percentage by carrier and flight status
flight_status = flight_data_df.value_counts(subset=['OP_UNIQUE_CARRIER','STATUS']).reset
flight_status_df = pd.DataFrame(flight_status) #create a dataframe
flight_status_df.columns = ['OP_UNIQUE_CARRIER','STATUS', 'COUNT'] #Add column names
flight_status_df = flight_status_df.sort_values('OP_UNIQUE_CARRIER') #Sort by operating

flight_status_df['PERCENTAGE'] = ''

for index, row in flight_status_df.iterrows():
    tot = flight_totals.loc[flight_totals.OP_UNIQUE_CARRIER==row.OP_UNIQUE_CARRIER].TOTA
    val = (row.COUNT/tot * 100)
    flight_status_df.at[index,'PERCENTAGE'] = round(val[0].astype(float),2) #Calculate t

flight_status_df.head(10)
```

OP_UNIQUE_CARRIER STATUS COUNT PERCENTAGE Out[11]: 33 9E Delayed 15.33 3113 48 9E Cancelled 542 2.67 74 9E 35 0.17 Diverted 8 On-Time 16613 81.83 41 AA Cancelled 973 1.36 56 AA Diverted 215 0.3 3 55403 77.52 AA On-Time 11 AA Delayed 14880 20.82 47 AS Cancelled 608 3.12 10 AS On-Time 15502 79.49

```
In [12]: #Create a new dataframe with the percentage by origin airport and status
         flight origin totals = flight data df.value counts(subset=['ORIGIN']).reset index() #get
         flight origin totals df = pd.DataFrame(flight origin totals) #create a dataframe
         flight origin totals df.columns = ['ORIGIN','TOTAL'] #Add column names
         flight origin totals df['PERCENTAGE'] = round(flight_origin_totals_df.TOTAL/flight_origi
         origin airport delays = flight data df.value counts(subset=['ORIGIN','STATUS']).reset in
         origin airport df = pd.DataFrame(origin airport delays) #create a dataframe
         origin airport df.columns = ['ORIGIN', 'STATUS', 'COUNT'] #add column names
         origin airport df = origin airport df.sort values('ORIGIN') #sort by origin
         origin_airport_df['PERCENTAGE'] = ''
         for index, row in origin airport df.iterrows():
             tot = flight origin totals.loc[flight origin totals.ORIGIN==row.ORIGIN].TOTAL.values
            val = (row.COUNT/tot * 100)
            origin airport df.at[index,'PERCENTAGE'] = round(val[0].astype(float),2) #calulate t
         origin airport df = origin airport df.sort values('PERCENTAGE', ascending=False) #sort by
         origin airport df.head(10)
```

Out[12]:

	ORIGIN	STATUS	COUNT	PERCENTAGE
770	GST	On-Time	12	100.0
1208	STC	On-Time	1	100.0
385	LWS	On-Time	95	96.94
623	BGM	On-Time	30	96.77
470	DRT	On-Time	60	96.77
517	PLN	On-Time	51	96.23
488	MCW	On-Time	55	94.83
490	FOD	On-Time	55	94.83
515	TBN	On-Time	51	94.44
529	LAR	On-Time	50	94.34

vii. NULL check

DAY OF WEEK 0 FL DATE MKT UNIQUE CARRIER 0 OP UNIQUE CARRIER ORIGIN 0 ORIGIN CITY NAME 0 0 ORIGIN STATE ABR ORIGIN STATE NM 0 DEST DEST CITY NAME 0 DEST STATE ABR 0 DEST STATE NM 0 10201 DEP DELAY

DEP DELAY NEW	10201
TAXI_OUT	10558
TAXI_IN	10769
ARR_TIME	10769
ARR_DELAY	12185
ARR_DELAY_NEW	12185
CANCELLED	0
CANCELLATION_REASON	0
DIVERTED	0
DISTANCE	0
CARRIER_DELAY	477611
WEATHER_DELAY	477611
NAS_DELAY	477611
SECURITY_DELAY	477611
LATE_AIRCRAFT_DELAY	477611
STATUS	0
DELAYED	12185
DELAY_REASON	0
dtype: int64	

Based on the above, it doesn't appear there are any null rows that are irrelevant. Status is a significant column that tells if there are any flights with no relevant status. All flights are now categorized under On-Time, Delayed, Cancelled or Diverted.

The final flat file dataset is as follows:

'CARRIER_DELAY', 'WEATHER_DELAY', 'NAS_DELAY', 'SECURITY_DELAY',

'LATE_AIRCRAFT_DELAY', 'STATUS', 'DELAYED', 'DELAY_REASON'],
dtype='object')

YEAR QUARTER MONTH DAY OF MONTH DAY OF WEEK ELDATE MKT UNIQUE CARRIER OF UNIQUE CAR

Out[14]:		YEAR	QUARTER	MONTH	DAY_OF_MONTH	DAY_OF_WEEK	FL_DATE	MKT_UNIQUE_CARRIER	OP_UNIQUE_CAI
	0	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	1	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	2	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	3	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	
	4	2022	2	5	1	7	5/1/2022 12:00:00 AM	AA	

Ethical implications:

BTS data - Flat File I do not see any ethical implications for this dataset as it is from a federal government source and is made accessible to public. The only concern I have is that, the dataset I am referring to is old and it's possible the trend has changed over time. The reason for using old dataset is because I need the flight diversion information which I was only able to find for the year 2022.

Conclusion:

As a part of this milestone, the following Data Transformation steps have been performed.

- 1. Dropped columns
- 2. Dropped duplicate rows
- 3. Replaced values in a dataframe column
- 4. Renamed a column
- 5. Added new columns to the dataframe
- 6. Implemented arithmetic functions for statistical analysis
- 7. Performed null check to drop rows with null values.

Milestone 3 - Cleaning/Formatting Website Data

Flat File - Website: The flat file has a column for diverted flights but does not have any information on the cause for diversion. I would like to look up the reason for a flight being diverted. The website and flat file can be matched on flight date, origin and destination to lookup diverted flight information. Flat file has many to many relation with the Website. We will need to pass the flight date and the origin and destination city to the website to get flight diversion details for a particular date and route.

```
In [15]: url = 'https://www.diverted.eu/' #Website with diverted flight information
In [16]: # Parsing HTML using BeautifulSoup
      html = urlopen(url)
      soup = BeautifulSoup(html, 'html.parser')
In [17]: #Parse HTML for the diverted data table
      flight diverted table = soup.findAll("table", { 'id' : 'tablepress-current month' })
      flight diverted table
      [<table class="tablepress tablepress-id-current month tablepress-responsive" id="tablepr
Out[17]:
      ess-current month">
      <thead>
      DateAirlines/Operator
      umn-3">Flight numberDeparture airport<th class="column-
      5">Destination airportDiverted toEme
      rgency codeAlleged reasonAircraft</t
      h>Registration
      </thead>
```

```
20.07.2022Go First<td class="column
-3">G8151 / GOW151DelhiGuwahati
Jaipurcracked w
indshieldAirbus A320-271NVT-WGP</td
20.07.2022Wizz Air<td class="column
-3">W65058 / WZZ101SBariKrakow<
\label{total class column-7} td class = "column-6" > Budapest     bomb three class = "column-8" > bomb three class = "column-8
eatAirbus A321-271NXHA-LGA
19.07.2022Go First<td class="column
-3">G8386 / GOW386MumbaiLeh<td
class="column-6">Delhiengine issue</
td>Airbus A320-271N<a href="https://www.
mysafersky.com/aircraft-registration/vt-wga/" rel="noopener" target=" blank">VT-WGA</a>
19.07.2022Go First<td class="column
-3">G86202 / GOW6202SrinagarDelhi</t
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06297 / LOT6297PragueZanzibar<t
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s="column-3">AA1849 / AAL1849CharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotte
5">PortlandCharlotte<td class
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8">possible engine issueBoeing 757-330<td class="column-1"
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-ABOA</a>
18.07.2022Transavia<td class="colum
n-3">HV5908 / TRA89EHeraklionEindhov
enAthensod
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ttps://www.mysafersky.com/aircraft-registration/ph-hxa/" rel="noopener" target=" blank">
PH-HXA</a>
18.07.2022VivaAerobus<td class="col
umn-3">VB4081 / VIV4081TijuanaMonter
reyHermosillo
8">medical emergencyAirbus A321-271NX<td class="column-1"
0">XA-VXA
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18.07.2022Delta Air Lines<td class
="column-3">DL115 / DAL115ParisSeatt
leMinneapolis7700<td class="col
umn-8">Airbus A330-323<a href='http
s://www.mysafersky.com/aircraft-registration/n815nw/"' target=" blank">N815NW</a>
17.07.2022Southwest Airlines<td cla
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5">ChicagoPhoenix<td class="col
umn-8">Boeing 737-7H4N474WN
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L992 / KLM992LondonAmsterdam<td
class="column-6">Londonbird strike</
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16.07.2022IndiGo
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ine issueAirbus A320-271NVT-IJK</td
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16.07.2022Air India Express<td clas
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8">smell in cabinBoeing 737-8HG<a h
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lank">VT-AXX</a>
16.07.2022Eurowings Discover<td cla
ss="column-3">4Y7 / OCN7Puerto Plata
FrankfurtDusseldorf<td class="c
olumn-8">pressurisation issueAirbus A330-343class="column-9">
lumn-10"><a href="https://www.mysafersky.com/aircraft-registration/d-aika/" rel="noopene
r" target=" blank">D-AIKA</a>
15.07.2022LATAM Airlines<td class
="column-3">LA3457 / TAM3457Florianopolis<td class="colum
n-5">Sao PauloFlorianopolis<td
class="column-8">bird strikeAirbus A320-232<td class="col
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15.07.2022United Airlines<td class
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New YorkGreen Bay<td class="col
umn-8">smoke in cockpitBoeing 737-724<td class="column-1"
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14.07.2022IndiGo
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CasablancaAmsterdam<td class="c
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ostonShannon7700<td class="colu
mn-8">hydraulic issueBoeing 767-332(ER)<td class="column-
10">N193DN
11.07.2022Nordstar<td class="column
-3">Y7217 / TYA217KrasnoyarskNorilsk
Krasnoyarsk
8">cargo smoke indicationBoeing 737-8AS<td class="column-
10">RA-73252
11.07.2022Ryanair<td class="column-
3">FR8397 / RYR7NHJerezLondon<t
d class="column-6">Bordeaux7700medic
al emergencyBoeing 737-8ASEI-EKS</t
d>
11.07.2022United Airlines<td class
="column-3">UA3532 / RPA3532Nashville<td class="column-
5">New YorkGreensboro7700<td cl
ass="column-8">Embraer E170SEN650RW
11.07.2022Binter Canarias<td class
="column-3">NT784 / IBB55ABLanzarote
TenerifeLanzarote<td class="col
umn-8">medical emergencyATR 72-600E
C-NQR
11.07.2022Scoot<td class="column-
3">TR9 / TGW9PerthSingapore<td
class="column-6">Perthtyre/landing g
ear issueBoeing 787-9 Dreamliner9V-
```

OJA

```
10.07.2022LOTL
0614 / LOT6ERZagrebWarsaw<td cl
ass="column-6">Zagreb7700<td cl
ass="column-9">Embraer E175LRSP-LIM
09.07.2022Azul Linhas Aereas
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Porto VelhoCuiaba<td class="col
umn-8">cargo door indicationAirbus A320-253N<td class="co
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09.07.2022American Airlines<td clas
s="column-3">AA2930 / AAL2930Las Vegas<td class="column-
5">CharlottePhoenix<td class="c
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0"><a href="https://www.mysafersky.com/aircraft-registration/n552uw/" rel="noopener" tar
get=" blank">N552UW</a>
09.07.2022Korean Air
mn-3">KE9956 / KAL9956IstanbulSeoul
Bakuengine
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09.07.2022United Airlines<td class
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5">ChicagoLos Angeles<td class
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ef="https://www.mysafersky.com/aircraft-registration/n204ua/" rel="noopener" target=" bl
ank">N204UA</a>
09.07.2022Iraqi Airways<td class="c
olumn-3">IA145 / IAW145ArbilCairo</t
d>Baghdad7700</
td>Boeing 737-81ZYI-ASH
08.07.2022Smartavia<td class="colum
n-3">5N861 / AUL861SochiOmsk<td
class="column-6">Ufa7700<td cla
ss="column-9">Boeing 737-89PRA-73659
08.07.2022American Airlines<td clas
s="column-3">AA1580 / AAL1580Chicago
BuffaloGrand Rapids<td class="c
olumn-8">smoke in cockpitBoeing 737-823<td class="column-
10">N939NN
08.07.2022Delta Air Lines<td class
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s="column-10">N371NW
06.07.2022Ural Airlines<td class="c
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olumn-3">U62425 / SVR2425MoscowKhudz handMoscow

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bird strikeAirbus A321-231RA-73843
06.07.2022Aer Lingus
mn-3">EI104 / EIN104New YorkDublin</
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nical issueAirbus A330-302<a href
='https://www.mysafersky.com/aircraft-registration/ei-duz/"' target=" blank">EI-DUZ</a>
06.07.2022EasyJet<td class="column-
3">U27169 / EZY23KGLiverpoolTenerife
Lisbondisr
uptive passengerAirbus A320-251NG-U
ZLD
05.07.2022Porter Airlines
="column-3">PD246 / POE246TorontoThu
nder BayToronto<td class="colum
n-8">odor on boardDe Havilland Canada Dash 8-400<td class
="column-10"><a href='https://www.mysafersky.com/aircraft-registration/c-glqb/"' target
=" blank">C-GLQB</a>
05.07.2022SpiceJet<td class="column
-3">SG11 / SEJ011DelhiDubai<td
class="column-6">Karachisuspected fu
el leakBoeing 737 MAX 8VT-MXG
04.07.2022Swoop
3">WO264 / WSW264EdmontonHalifax</td
>Edmontontyre i
ssueBoeing 737-8CT<a href='https://
www.mysafersky.com/aircraft-registration/c-gxrw/"' target=" blank">C-GXRW</a>
04.07.2022Aeroflot<td class="column
-3">SU6391 / SDM6391MoscowMagnitogor
skMoscowte
0"><a href='https://www.mysafersky.com/aircraft-registration/ra-89099/"' target=" blan
k">RA-89099</a>
04.07.2022Etihad
3">EY65 / ETD65Abu DhabiMoscow<
td class="column-6">Abu Dhabi7700sme
11 on boardBoeing 787-9 DreamlinerA
6-BLQ
04.07.2022Loganair<td class="column
-3">LM660 / LOG46SPLiverpoolLondonde
rryLiverpool7700<td class="colu
mn-8">Embraer ERJ-145MP<a href="htt
ps://www.mysafersky.com/aircraft-registration/g-sajo/" rel="noopener" target=" blank">G-
SAJO</a>
03.07.2022Air Canada<td class="colu
mn-3">AC8543 / JZA543MontrealRegina
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Montrealme

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dical emergencyEmbraer E175SUC-FRQN
03.07.2022United Airlines
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gtonLondon
technical issueBoeing 777-224(ER)<a
href='https://www.mysafersky.com/aircraft-registration/n7602/"' target=" blank">N76021</
a > 
03.07.2022TAAG Angola Airlines
lass="column-3">DT577 / DTA577Luanda
JohannesburgLubango<td class="c
olumn-8">technical issueBoeing 737-7M2<td class="column-1"
0">D2-TBJ
02.07.2022Delta Air Lines
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OrlandoCharleston<td class="col
umn-8">cargo smoke indicationAirbus A321-211<td class="co
lumn-10">N319DN
02.07.2022SpiceJet
-3">SG2962 / SEJ2962DelhiJabalpur</t
d>Delhismoke in
cabinDe Havilland Canada Dash 8-400
02.07.2022British Airways
="column-3">BA670 / BAW670LondonBodr
umFrankfurt
8">engine issueAirbus A320-232G-EUU
K
02.07.2022American Airlines<td clas
s="column-3">AA1859 / AAL1859 Charlotte Charlott
5">LiberiaJacksonville<td class
="column-8">Boeing 737-823N938AN</t
02.07.2022Aeroflot
-3">SU1747 / AFL1747Yuzhno-Sakhalinsk<td class="column-
5">MoscowNovosibirsk<td class
="column-8">medical emergencyBoeing 777-3M0(ER)<td class
="column-10">RA-73130
01.07.2022Air New Zealand\times
="column-3">NZ287 / ANZ287ChristchurchChristchurch
5">ShanghaiAuckland<td class="c
olumn-8">windshield issueBoeing 787-9 Dreamliner<td class
="column-10">ZK-NZG
<\!td\ class="column-1">01.07.2022<td\ class="column-2">Jet2<td\ class="column-3">Jet2<math display="block">\!td\ class="column-3">Jet2<math display="block">\!td\ class="column-3">Jet2<math display="block">\!td\ class="column-3">Jet2<math display="block">\!td\ class="column-3">Jet2<math display="block">\!td\ class="column-3">Jet2<td
LS507 / EXS76XMNewcastleAntalya
Newcastle7700en
gine issueBoeing 737-8MG<a href="ht
tps://www.mysafersky.com/aircraft-registration/g-jzbh/" rel="noopener" target=" blank">G
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-JZBH</a>
01.07.2022United Airlines<td class
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ew YorkWashington<td class="col
umn-8">Boeing 737-924(ER)N38459
30.06.2022Nolinor Aviation<td class
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lguinJacksonville7700<td class
="column-8">cargo smoke indicationBoeing 737-408<td class
="column-10">C-GGWX
30.06.2022British Airways<td class
="column-3">BA249 / BAW249LondonRio
de JaneiroFortaleza<td class="c
olumn-8">disruptive passengerBoeing 787-8 Dreamliner<td c
lass="column-10"><a href="https://www.mysafersky.com/aircraft-registration/g-zbjm/" rel
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30.06.2022United Airlines<td class
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8">technical issueBoeing 787-9 Dreamlinertechnical issuetechnical issue**Technical issuetechnical issuetechnical issuetechnical issuetechnical issuetechnical issue
n-10">N24979
29.06.2022Pegas Fly<td class="colum
n-3">E0567 / KAR567MoscowOrsktd><td
d class="column-6">Moscowtechnical i
ssueEmbraer E190LRRA-02741
29.06.2022Etihad
3">EY100 / ETD47NNew YorkAbu Dhabi</
td>Frankfurtmed
ical emergencyBoeing 787-9 DreamlinerBoeing 787-9 Dreamliner
0">A6-BLU
28.06.2022Aeromexico<td class="colu
mn-3">AM652 / AMX652GuadalajaraChica
qoGuadalajara
8">bird strikeBoeing 737-852N957AM
27.06.2022TUI Airways<td class="col
umn-3">BY216 / TOM5GMManchesterBoa V
istaManchester<td class="column
-8">engine issueBoeing 767-38A(ER)G
-OBYK
27.06.2022Aer Lingus<td class="colu
mn-3">EI432 / EIN432DublinMilan
d class="column-9">Airbus A320-214EI-EDP
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27.06.2022LOTL

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0156 / LOT15ATel AvivWarsaw<td
class="column-6">Sofiacargo smoke in
dicationBoeing 737-89PSP-LWC
27.06.2022Condor
3">DE3 / CFG003HurghadaHamburg<
td class="column-6">Cairospoiler iss
ueBoeing 757-330<a href="https://ww
w.mysafersky.com/aircraft-registration/d-abof/" rel="noopener" target=" blank">D-ABOF</a
>
26.06.2022United Airlines<td class
="column-3">UA1203 / UAL1203Washington
5">OranjestadNassau<td class="c
olumn-8">Boeing 737-924(ER)N39418
+d>
26.06.2022Singapore Airlines<td cla
ss="column-3">SQ323 / SIA323Amsterdam<td class="column-
5">SingaporeMumbai<td class="co
lumn-8">technical issueAirbus A350-941<td class="column-1"
0">9V-SJA
25.06.2022LATAM Airlines<td class
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5">ManausBrasilia<td class="col
umn-8">cracked windshieldBoeing 777-32W(ER)<td class="col
umn-10">PT-MUD
25.06.2022Alaska Airlines<td class
="column-3">AS393 / ASA393New YorkSa
n DiegoPhoenix7700<td class="co
lumn-8">Boeing 737-990(ER)N402AS</t
d>
25.06.2022Delta Air Lines<td class
="column-3">DL3507 / SKW3507MedfordS
alt Lake CityMedford7700<td cla
ss="column-8">Embraer E175LR<a href
="https://www.mysafersky.com/aircraft-registration/n243sy/" rel="noopener" target=" blan
k">N243SY</a>
24.06.2022Ryanair<td class="column-
3">FR4742 / RYR29QZWarsawGlasgow</td
>Amsterdam7700m
edical emergencyBoeing 737-8ASSP-RK
T
24.06.2022American Airlines<td clas
s="column-3">AA5560 / JIA5560BirminghamBirminghamBirmingham
5">CharlotteAtlanta<td class="c
olumn-8">maintenance issueMitsubishi CRJ-702ER<td class
="column-10"><a href="https://www.mysafersky.com/aircraft-registration/n531eg/" rel="noo
pener" target=" blank">N531EG</a>
24.06.2022Vueling<td class="column-
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3">VY1505 / VLG50ARParisFlorence</td

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>Bolognatechnic
al reasonsAirbus A319-112
24.06.2022Alaska Airlines<td class
="column-3">AS675 / ASA675Las VegasS
eattleReno
Boeing 737-990<a href="https://www.
mysafersky.com/aircraft-registration/n319as/" rel="noopener" target=" blank">N319AS</a>
24.06.2022TUI Airways<td class="col
umn-3">BY822 / TOM822ManchesterDalam
anManchester
8">fumes on boardBoeing 787-8 Dreamliner<td class="column
-10"><a href="https://www.mysafersky.com/aircraft-registration/g-tuib/" rel="noopener" t
arget=" blank">G-TUIB</a>
23.06.2022British Airways<td class
="column-3">BA281 / BAW281LondonLos
AngelesWinnipeq
n-8">Boeing 777-300(ER)G-STBO
23.06.2022United Airlines
="column-3">UA316 / UAL316DublinNew
YorkDublin
Boeing 757-224<a href="https://www.
mysafersky.com/aircraft-registration/n33103/" rel="noopener" target=" blank">N33103</a>
23.06.2022Air Europa<td class="colu
mn-3">UX9045 / AEA9045TenerifeMadrid
Lanzarotem
edical emergencyBoeing 737-85PEC-LY
R
23.06.2022Ryanair<td class="column-
3">FR5994 / RYR7YDLondonMadrid<
\label{total class column-7} td class = "column-6" > Bordeaux                                                    < <td class = "column-8" >                                                                       < 
class="column-9">Boeing 737-8ASEI-DHH
22.06.2022Air France<td class="colu
mn-3">AF454 / AFR454ParisSao Paulo</
td>Paris7700</t
d>Boeing 777-328(ER)<a href="https://ww
w.mysafersky.com/aircraft-registration/f-gsqh/" rel="noopener" target=" blank">F-GSQH</a
>
22.06.2022American Airlines<td clas
s="column-3">AA1336 / AAL1336class="column-4">Dallasclass="column-5">O
rlandoDallas
8">Airbus A321-253NXN429AN
22.06.2022EasyJet<td class="column-
3">U26892 / EZY6892DalamanGlasgow</t
d>Frankfurtmedi
cal emergencyAirbus A320-251N<a hre
f="https://www.mysafersky.com/aircraft-registration/g-uzla/" rel="noopener" target=" bla
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nk">G-UZLA</a>
21.06.2022Iran Air<td class="column
d>Bushehrtechni
cal issueAirbus A300B4-605REP-IBA</
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21.06.2022American Airlines<td clas
s="column-3">AA1984 / AAL1984Chicago
CharlotteIndianapolis<td class
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lumn-10"><a href="https://www.mysafersky.com/aircraft-registration/n819nn/" rel="noopene
r" target=" blank">N819NN</a>
21.06.2022Austrian Airlines<td clas
s="column-3">OS93 / AUA93ViennaWashi
ngtonShannon
8">navigation system issueBoeing 767-3Z9(ER)<td class="co
lumn-10"><a href="https://www.mysafersky.com/aircraft-registration/oe-lae/" rel="noopene
r" target=" blank">OE-LAE</a>
21.06.2022SunExpress
mn-3">XQ598 / SXS27BAntalyaEdinburgh
Frankfurt7700<td class="column-
8">Boeing 737-86JTC-SNV
21.06.2022American Airlines<td clas
s="column-3">AA209 / AAL209DublinChi
cagoShannon
8">medical emergencyBoeing 787-8 Dreamliner<td class="col
umn-10"><a href="https://www.mysafersky.com/aircraft-registration/n805an/" rel="noopene
r" target=" blank">N805AN</a>
21.06.2022Jetstar Airways
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Minh CitySydney
n-8">mechanical/air conditioning issueBoeing 787-8 Dreamliner
VH-VKG
20.06.2022British Airways
="column-3">BA783 / BAW783CStockholm
LondonStockholm
s://www.mysafersky.com/aircraft-registration/g-euxi/" rel="noopener" target=" blank">G-E
UXI</a>
20.06.2022SpiceJet<td class="column
-3">SG23 / SEJ023MaduraiDubai<t
d class="column-6">Goamedical emerge
ncyBoeing 737-8GJVT-SZK
<\!\!\!\text{td class="column-1">} 20.06.2022<\!\!/\text{td}\!\!>\!\!\text{td class="column-2">} \text{FlySafair}\!<\!\!/\text{td}\!\!>\!\!<\!\!\text{td class="column-2"}}
n-3">FA478 / SFRJohannesburgDurban</
td>Johannesburg
technical issueBoeing 737-4Y0<a hre
f="https://www.mysafersky.com/aircraft-registration/zs-jre/" rel="noopener" target=" bla
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nk">ZS-JRE</a>
19.06.2022Qatar Airways<td class="c
olumn-3">QR777 / QTR25QDohaMiami</td
>Madridpossible
technical issueAirbus A350-941A7-AM
L
19.06.2022IndiGo<td class="column-
3">6E6394 / IGO6394GuwahatiDelhi</td
>Guwahatisuspec
ted bird strikeAirbus A320-271N<a h
ref="https://www.mysafersky.com/aircraft-registration/vt-itb/" rel="noopener" target=" b
lank">VT-ITB</a>
19.06.2022Enter Air<td class="colum
n-3">E46051 / ENT6051BaselPristina</
td>Basel7700med
ical emergencyBoeing 737-8Q8SP-ENR
19.06.2022SpiceJet<td class="column
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class="column-6">Patnabird strike</t
d>Boeing 737-85R<a href="https://www.mys
afersky.com/aircraft-registration/vt-syz/" rel="noopener" target=" blank">VT-SYZ</a></td
19.06.2022SpiceJet<td class="column
-3">SG2962 / SEJ2962DelhiJabalpur</t
d>Delhipressuri
sation issueDe Havilland Canada Dash 8-400<td class="colu
mn-10">
18.06.2022World2Fly<td class="colum
n-3">3P1155 / WPT1155LisbonVaradero
Lisbonposs
ible landing gear issueAirbus A330-343td>>td
0">CS-WFP
17.06.2022Air Canada
mn-3">AC8729 / JZA729TorontoClevelan
dTorontoco
mputer issueMitsubishi CRJ-200ERC-F
FJA
17.06.2022TAP Air Portugal<td class
="column-3">TP277 / TAP277LisbonCanc
unLisbonen
qine issueAirbus A330-941CS-TUR</td
>
17.06.2022TUI Airways<td class="col
umn-3">BY4574 / TOM2EBLondonBurgas</
td>Munich<
td class="column-9">Boeing 737 MAX 8G-TUMO
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16.06.2022Lufthansa<td class="colum
n-3">LH1372 / DLH8CUFrankfurtWroclaw
Warsawspoi
ler issueMitsubishi CRJ-900LRD-ACNB
16.06.2022Allegiant Air<td class="c
olumn-3">G42593 / AAY2593SarasotaAkr
onSarasota
bird strikeAirbus A320-214N285NV</t
d>
16.06.2022TUI Airways<td class="col
umn-3">BY189 / TOM189Punta CanaManch
esterSt. John's
n-8">Boeing 787-9 DreamlinerG-TUIN
15.06.2022Air Canada<td class="colu
mn-3">AC355 / ACA355OttawaCalgary</t
d>Torontoengine
issueAirbus A220-300C-GVUN
14.06.2022Volotea<td class="column-
3">V71611 / V0E6KKMykonosNaples
<\!\!td\ class="column-6">\!\!Bari<\!\!/td><\!\!td\ class="column-7"><\!\!/td><\!\!td\ class="column-8">\!\!engine\ issu
eAirbus A319-111EC-MUX
14.06.2022Emirates<td class="column
-3">EK412 / UAE3HJDubaiSydney<t
d class="column-6">Singapore
class="column-9">Airbus A380-861A6-EUE
14.06.2022United Airlines<td class
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elesHonolulu
8">disruptive passengerBoeing 787-9 Dreamliner<td class
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14.06.2022Qatar Airways<td class="c
olumn-3">QR629 / QTR6JLahoreDoha</td
>Karachi7700tec
hnical issueBoeing 777-3DZ(ER)<a hr
ef="https://www.mysafersky.com/aircraft-registration/a7-bea/" rel="noopener" target=" bl
ank">A7-BEA</a>
14.06.2022Air FranceAir France
mn-3">AF121 / AFR121ChennaiParis</td
>Bucharestmedic
al emergencyBoeing 787-9 Dreamliner
<a href="https://www.mysafersky.com/aircraft-registration/f-hrbh/" rel="noopener" target</pre>
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12.06.2022Hawaiian Airlines<td clas
s="column-3">HA56 / HAL56KahuluiLos
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AngelesHonolulu<td class="colu

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mn-8">medical emergencyAirbus A330-243<td class="column-1"
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381HA</a>
12.06.2022Air Cairo<td class="colum
n-3">SM405 / MSC405SohagKuwait City
Jeddah7700
technical issueAirbus A320-214SU-BP
W 
12.06.2022Corendon Airlines Europe
td class="column-3">XR2271 / CXI7RNuremberg<td class="col
umn-5">Palma de MallorcaBasel7700</t
d>pressurisation issueBoeing 737-85R
<a href="https://www.mysafersky.com/aircraft-registration/9h-tje/"</pre>
rel="noopener" target=" blank">9H-TJE</a>
12.06.2022Jet2
LS174 / EXS49VTFaroGlasgow<td c
lass="column-6">Alicantetechnical is
sueBoeing 737-808G-DRTC
12.06.2022American Airlines<td clas
s="column-3">AA5259 / JIA5259PittsburghPittsburghPittsburgh
5">WashingtonPittsburgh<td clas
s="column-8">mechanical issueMitsubishi CRJ-701ER<td clas
s="column-10">N520DC
11.06.2022Delta Air Lines
="column-3">DL3916 / SKW3916Minneapolis<td class="column-
5">MinotFargo7700<td class="col
umn-8">Embraer E175LRN243SY
11.06.2022Aerolineas Argentinas<td
class="column-3">AR1132 / ARG1132Buenos Aires<td class
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td class="column-8">medical emergencyAirbus A330-202<td c
lass="column-10">LV-FVH
11.06.2022Eurowings<td class="colum
n-3">EW7642 / EWG7642HamburgFaro</td
>Parismedical e
mergencyAirbus A320-2329H-AMJ
11.06.2022Volotea
3">V72127 / V0E6NDFigariNantes<
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d class="column-9">Airbus A319-111EC-MUT
11.06.2022British Airways<td class
="column-3">BA185 / BAW185LondonNew
YorkShannon
8">medical emergencyBoeing 777-236(ER)<td class="column-1"
0">G-VIIH
11.06.2022Serene Air<td class="colu
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mn-3">ER723 / SEP723LahoreDubai
Lahorebird stri
keBoeing 737-8JP<a href='https://ww
w.mysafersky.com/aircraft-registration/ap-bnb/"' target=" blank">AP-BNB</a>
10.06.2022IndiGo<td class="column-
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>Bengalurutechn
ical reasonsATR 72-600VT-IYI
10.06.2022Air Canada<td class="colu
mn-3">AC1802 / ROU1802TorontoKingsto
nToronto77007700
8">Airbus A320-214C-GFDU
10.06.2022American Airlines<td clas
s="column-3">AA721 / AAL721RomeCharl
otteMadrid7700<td class="column
-8">possible mechanical issueBoeing 777-223(ER)<td class
="column-10">N786AN
09.06.2022TUIfly Belgium<td class
="column-3">TB2542 / JAF8AVCasablancaCasablancaCasablancaCasablancaCasablancaCasablancaCasablanca
5">LiegeCasablanca<td class="co
lumn-8">bird strikeBoeing 737-7K500
-JAR
09.06.2022TUI Airways<td class="col
umn-3">BY1473 / TOM2GCLanzaroteBelfa
stPortoope
rational issuesBoeing 737-8Q8<a hre
f="https://www.mysafersky.com/aircraft-registration/c-fyjd/" rel="noopener" target=" bla
nk">C-FYJD</a>
09.06.2022American Airlines<td clas
s="column-3">AA1505 / AAL1505DallasI
ndianapolisSt. Louis<td class
="column-8">Boeing 737-823N968NN</t
08.06.2022Air Canada<td class="colu
mn-3">AC8944 / JZA944MontrealNew Yor
kMontrealp
ressurisation issueEmbraer E175SU<a
href='https://www.mysafersky.com/aircraft-registration/c-frqw/"' target=" blank">C-FRQW
</a>
08.06.2022British Airways
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5">LondonBridgetown<td class="c
olumn-8">Boeing 777-236(ER)<a href
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07.06.2022TUI fly<td class="column-
3">BY245 / TOM2HYEspargosBristol</td
>Birmingham7700
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Boeing 787-8 Dreamliner<a href='htt
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07.06.2022American Airlines<td clas
s="column-3">AA1665 / AAL1665Las Vegas<td class="column-
5">CharlotteLas Vegas7700<td cl
ass="column-8">engine issueAirbus A321-211<td class="colu
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06.06.2022Air Arabia<td class="colu
mn-3">3L62 / ADY062ChittagongAbu Dha
biAhmedabad
8">engine issueAirbus A320-214A6-A0
T
06.06.2022Air India<td class="colum
n-3">AI265 / AIC265BengaluruMale
>Mumbaipossible
landing gear/hydraulic issueAirbus A320-251N<td class="c
olumn-10">VT-CIP
05.06.2022Thai AirAsia<td class="co
lumn-3">FD3342 / AIQ3342BangkokNakho
n PhanomBangkok<td class="colum
n-8">pressurisation issueAirbus A320-216<td class="column
-10">HS-BBE
05.06.2022Virgin Atlantic<td class
="column-3">VS7 / VIR7BLondonLos Ang
elesLondon
Boeing 787-9 DreamlinerG-VOWS
05.06.2022Ryanair
3">FR2971 / RYR7FGDublinKaunas<
td class="column-6">Dublin7700medica
1 emergencyBoeing 737-8ASSP-RKQ</td
05.06.2022Lufthansa<td class="colum
n-3">LH412 / DLH412MunichNew York</t
d>St. John's
d>Airbus A350-941D-AIXF
04.06.2022Edelweiss Air<td class="c
olumn-3">WK214 / EDW214DZurichTeneri
feZurichli
ghtning strikeAirbus A340-313<a hre
f='https://www.mysafersky.com/aircraft-registration/hb-jmd/"' target=" blank">HB-JMD</a>
03.06.2022Air Europa<td class="colu
mn-3">UX27 / AEA027MadridAsuncion</t
d>Fortalezamedi
cal emergencyBoeing 787-8 Dreamliner<td class="column-1"
0"><a href="https://www.mysafersky.com/aircraft-registration/ec-mpe/" rel="noopener" tar
get=" blank">EC-MPE</a>
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03.06.2022Air FranceAir France
mn-3">AF6004 / AFR72KTParisMarseille
Paris7700
Airbus A318-111F-GUGM
03.06.2022Ryanair<td class="column-
3">FR4440 / RYR69LHBristolValencia</
td>Bordeaux7700
medical emergencyBoeing 737-8ASEI-D
PR
02.06.2022United Airlines<td class
="column-3">UA3536 / RPA3536New York
NorfolkNew York7700<td class="c
olumn-8">Embraer E170SEN859RW
02.06.2022Air France<td class="colu
mn-3">AF7528 / AFR19EDParisToulouse
Paris7700
<\!\!/td\!\!><\!\!td\ class="column-9"\!\!>\!\!Airbus\ A321-111<\!\!/td\!\!><\!\!td\ class="column-10"\!\!>\!\!F-GMZD<\!\!/td\!\!>
02.06.2022Virgin Atlantic
="column-3">VS142 / VIR142Los Angeles<td class="column-
5">LondonReykjavik<td class="co
lumn-8">Boeing 787-9 DreamlinerG-VC
RU
02.06.2022TUI Airways<td class="col
umn-3">BY709 / TOM1TADalamanManchest
erFrankfurt7700<td class="colum
n-8">medical emergencyBoeing 737-8K5<td class="column-1"
0">G-TAWA
01.06.2022Buddha Air<td class="colu
mn-3">U4953 / BHA953KathmanduBhadrap
urKathmandu
8">tyre issueATR 72-5009N-ANP
31.05.2022Virgin Australia<td class
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lgeedaPerth
8">hydraulic issueAirbus A320-232<a
href='https://www.mysafersky.com/aircraft-registration/vh-vnb/"' target=" blank">VH-VNB
</a>
31.05.2022Aer Lingus<td class="colu
mn-3">EI3326 / EAI26MHDublinManchest
erDublin7700<td class="column-
8">technical issueATR 72-600EI-HDH
30.05.2022American Airlines<td clas
s="column-3">AA720 / AAL720Charlotte
RomeCharlotte
8">maintenance issueBoeing 777-223(ER)<td class="column-1"
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793AN</a>
29.05.2022Swiss<td class="column-
3">LX340 / SWR340VZurichLondon<
td class="column-6">Zurichodor in co
ckpitAirbus A220-100HB-JBI
29.05.2022Qantas
3">QF2008 / QLK8DSydneyTamworth
Sydneyhydraulic
issueDe Havilland Canada Dash 8-400<td class="column-1"
0">VH-QOF
29.05.2022American Airlines<td clas
s="column-3">AA292 / AAL292New YorkD
elhiLondon
medical emergencyBoeing 777-323(ER)
N725AN 
29.05.2022TAP Air Portugal<td class
="column-3">TP1091 / TAP109TValencia
LisbonMadrid
8">medical emergencyATR 72-600CS-DJ
B
29.05.2022Lufthansa<td class="colum
n-3">LH492 / DLH492FrankfurtVancouve
rReykjavik
Boeing 747-430D-ABVZ
28.05.2022Airblue<td class="column-
3">PA410 / ABQ410LahoreDubai<td
class="column-6">Lahorebird strike
Airbus A321-211AP-BMN
28.05.2022Turkish Airlines<td class
="column-3">TK413 / THY1UJIstanbulMo
scowVilnius
8">technical issueAirbus A321-231<a
href="https://www.mysafersky.com/aircraft-registration/tc-jrt/" rel="noopener" target
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28.05.2022SpiceJet<td class="column
-3">SG385 / SEJ385MumbaiGorakhpur</t
d>Mumbaicracked
windshieldBoeing 737-8ASVT-SLG</td
28.05.2022EasyJet
3">U21959 / EZY18FBManchesterDalaman
Manchester
Airbus A320-251N<a href="https://ww
w.mysafersky.com/aircraft-registration/g-uzhv/" rel="noopener" target=" blank">G-UZHV</a
>
27.05.2022Turkish Airlines<td class
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="column-3">TK17 / THY17WIstanbulTor
ontoIstanbul
8">smoke indicationBoeing 777-3F2(ER)<td class="column-1"
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3">IB3108 / IBE31YYMadridLisbon
Madridpossible
technical issueAirbus A320-251NEC-
NDN
27.05.2022American Airlines<td clas
s="column-3">AA1036 / AAL1036OranjestadOranjestadOranjestadOranjestadOranjestad
5">MiamiProvidenciales<td class
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d>
26.05.2022Azul Linhas Aereas<td cla
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5">Sao Jose Do Rio PretoRibeirao</td
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ss="column-10">PR-AQB
25.05.2022Ural Airlines<td class="c
olumn-3">U6388 / SVR388OmskMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscowMoscow
d>Yekaterinburg
medical emergencyAirbus A321-211RA-
73795
25.05.2022Uzbekistan Airways<td cla
ss="column-3">HY273 / UZB273Tashkent
IstanbulTrabzon
n-8">technical issueBoeing 787-8 Dreamliner<td class="col
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25.05.2022Delta Air Lines
="column-3">DL5637 / RPA5637BostonKa
nsas CityPittsburgh7700<td clas
s="column-8">pressurisation issueEmbraer E170LR<td class
="column-10">N878RW
25.05.2022British Airways
="column-3">BA286 / BAW6BSan Francisco<td class="column-
5">LondonChicago<td class="colu
mn-8">Airbus A380-841<a href="http
s://www.mysafersky.com/aircraft-registration/g-xleg/" rel="noopener" target=" blank">G-X
LEG</a>
25.05.2022Gol Linhas Aéreas<td clas
s="column-3">G31604 / GLO1604Sao Paulo
5">FortalezaBelo Horizonte<td c
lass="column-8">air conditioning issueBoeing 737-8EH<td c
lass="column-10">PR-GXU
25.05.2022Jet2
LS1329 / EXS64RGBirminghamPreveza</t
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d>Amsterdam7700

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Boeing 737-8K5G-GDFX
24.05.2022Azul Linhas Aereas<td cla
ss="column-3">AD4914 / AZU4914Salvador<td class="column-
5">Sao PauloSalvador<td class
="column-8">Airbus A320-251NPR-YRX
24.05.2022United Airlines<td class
="column-3">UA574 / UAL574San FranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFranciscoFrancisco<td class="colum
5">HoustonSan Francisco<td clas
s="column-8">landing gear issueBoeing 737-824<td class="c
olumn-10"><a href="https://www.mysafersky.com/aircraft-registration/n12216/" rel="noopen
er" target=" blank">N12216</a>
24.05.2022Virgin Australia<td class
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t AngelasPerth7700<td class="co
lumn-8">pressurisation issueAirbus A320-232<td class="col
umn-10">VH-YUD
24.05.2022British Airways
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delphiaLondon7700<td class="col
umn-8">pressurisation issueBoeing 777-36N(ER)<td class="c
olumn-10"><a href='https://www.mysafersky.com/aircraft-registration/g-stbb/"' target=" b
lank">G-STBB</a>
23.05.2022American Airlines<td clas
s="column-3">AA1280 / AAL1280Phoenix
New YorkPittsburgh<td class="co
lumn-8">possible medical emergencyBoeing 737-823<td class
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23.05.2022VivaAerobus<td class="col
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exico CityVillahermosa<td class
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22.05.2022United Airlines<td class
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ngtonBermuda
8">medical emergencyBoeing 787-8 Dreamliner<td class="col
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22.05.2022EasyJet<td class="column-
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d class="column-6">Madrid<td cl
ass="column-9">Airbus A321-251NXG-UZMJ
21.05.2022EasyJet<td class="column-
3">U26763 / EZY6763BelfastTenerife</
td>Lisbonmedica
td>
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20.05.2022Delta Air Lines
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5">Cedar RapidsMinneapolis7700<
td class="column-8">Mitsubishi CRJ-200LR<td class="column
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19.05.2022JetBlue<td class="column-
3">B6163 / JBU163New YorkSarasota</t
d>New Yorkhydra
ulic issueAirbus A320-232<a href='h
ttps://www.mysafersky.com/aircraft-registration/n709jb/"' target=" blank">N709JB</a></td
19.05.2022Lufthansa<td class="colum
n-3">LH506 / DLH506FrankfurtSao Paul
oFrankfurt7700<td class="column
-8">odor on boardBoeing 747-830D-AB
YP 
19.05.2022Air India<td class="colum
n-3">AI639 / AIC639AI639MumbaiBengal
uruMumbaie
ngine issueAirbus A320-251NVT-EXM
td>
19.05.2022American Airlines<td clas
s="column-3">AA6034 \ / \ PDT6034CharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotteCharlotte
5">Fort WayneAsheville7700<td c
lass="column-8">smell on boardEmbraer ERJ-145LR<td class
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19.05.2022Ryanair
3">FR6046 / RYR43RHBrusselsNador</td
>Alicantemedica
1 emergencyBoeing 737-8ASEI-DCM</td
18.05.2022Ural Airlines<td class="c
olumn-3">U68969 / SVR8969MoscowKulob
Moscow
>Airbus A321-211RA-73794
18.05.2022Lion Air<td class="column
-3">JT800 / LNI800SurabayaMakassar</
td>Surabayabird
strikeBoeing 737-9GP(ER)PK-LHR</td
17.05.2022Aer Lingus<td class="colu
mn-3">EI105 / EIN105DublinNew York
td>Dublintechni
cal issueAirbus A330-302<a href="ht
tps://www.mysafersky.com/aircraft-registration/ei-duz/" rel="noopener" target=" blank">E
I-DUZ</a>
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17.05.2022Iberia<td class="column-
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ityMadridp
ossible technical issueAirbus A330-202Airbus A330-202
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17.05.2022United Airlines
="column-3">UA6339 / ASH6339Salt Lake City
mn-5">HoustonColorado Springs<t
d class="column-8">pressurisation issueEmbraer E175LR<td
class="column-10">N86312
16.05.2022Ryanair<td class="column-
3">FR9130 / RYR72XZManchesterFaro</t
d>Nantesdisrupt
ive passengerBoeing 737-8ASEI-EVE</
16.05.2022TUI Airways<td class="col
umn-3">BY3129 / TOM1MGCorfuDoncaster
Brussels77007700
8">Airbus A320-232ES-SAM
16.05.2022LOTL
0433 / LOT433WarsawMadrid<td cl
ass="column-6">Warsawbomb threat</td
>Boeing 737-89P<a href="https://www.mysa
fersky.com/aircraft-registration/sp-lwa/" rel="noopener" target=" blank">SP-LWA</a>
16.05.2022Air Canada<td class="colu
mn-3">AC843 / ACA843FrankfurtToronto
Amsterdam
Boeing 787-9 Dreamliner<a href="htt
ps://www.mysafersky.com/aircraft-registration/c-frtu/" rel="noopener" target=" blank">C-
FRTU</a>
16.05.2022American Airlines<td clas
s="column-3">AA1612 / AAL1612Bozeman
DallasBozeman
8">bird strikeBoeing 737-823<a href
="https://www.mysafersky.com/aircraft-registration/n817nn/" rel="noopener" target=" blan
k">N817NN</a>
15.05.2022Azul Linhas Aereas<td cla
ss="column-3">AD2859CampinasUberland
iaJundiaip
ressurisation issueEmbraer E195ARPR
-AXC
15.05.2022JetBlue Airways
="column-3">B6517 / JBU517BostonNew
YorkBoston
8">smell on boardEmbraer E190ARN374
JB
15.05.2022Citilink<td class="column
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-3">QG483 / CTV483BanjarmasinJakarta

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Semarangen
gine issueAirbus A320-214PK-GQH</td
15.05.2022TUI Airways
umn-3">BY2772 / TOM2AGManchesterReus
Manchester7700<td class="column
-8">technical issueAirbus A320-214Y
I_1-I_1CT
15.05.2022Jet2
LS542 / EXS7LXGran CanariaNewcastle
Portodisru
ptive passengerBoeing 737-8Z9<a hre
f="https://www.mysafersky.com/aircraft-registration/g-gdfp/" rel="noopener" target=" bla
nk">G-GDFP</a>
15.05.2022Air Canada<td class="colu
mn-3">AC870 / AC870MontrealParis</t
d>St. John'sdis
ruptive passengerBoeing 777-333(ER)
<a href="https://www.mysafersky.com/aircraft-registration/c-fnng/" rel="noopener" target</pre>
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15.05.2022SunExpress
mn-3">XQ634 / SXS6DTDalamanCologne</
td>Munichpressu
risation issueBoeing 737-8HCTC-SEI
14.05.2022Air Canada
mn-3">AC811 / ACA811LisbonToronto</t
d>Montrealhydra
ulic issueAirbus A330-343C-GHKC</td
13.05.2022Blue Air
-3">0B157 / BLA8HZBucharestLisbon</t
d>Bucharesttech
nical issueBoeing 737 MAX 8YR-MXA</
td>
13.05.2022IndiGo
3">6E1723 / IGO1723DohaBengaluru</td
>Mumbaidisrupti
ve passengerAirbus A320-251NVT-ISW
12.05.2022Air Dolomiti
lumn-3">EN8061 / DLA8061GrazFrankfur
tGrazsmell
on boardEmbraer E195LRI-ADJS
12.05.2022Aeroflot<td class="column
-3">SU1184 / AFL1184MoscowVolgograd
Moscowbrak
es issueBoeing 737-8LJRA-73124
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12.05.2022Pakistan International Airline
sPK9715 / PIA9715Multan<td clas
s="column-5">MedinaKarachi<td c
lass="column-8">weather radar issueBoeing 777-240(LR)<td
class="column-10"><a href="https://www.mysafersky.com/aircraft-registration/ap-bgy/" re
l="noopener" target=" blank">AP-BGY</a>
12.05.2022Italia Trasporto Aereo<td
class="column-3">AZ1765 / ITY1765MilanMilan
5">PalermoMilan<td class="colum
n-8">bird strikeAirbus A320-216<a h
ref="https://www.mysafersky.com/aircraft-registration/ei-dtg/" rel="noopener" target=" b
lank">EI-DTG</a>
12.05.2022WestJet<td class="column-
3">WS272 / WJA272TorontoHalifax
d class="column-9">Boeing 737 MAX 8C-FNAX
11.05.2022Gol Linhas Aéreas<td clas
s="column-3">G31999 / GL01999MaceioB
rasiliaMaceio
8">bird strikeBoeing 737 MAX 8PR-XM
V
10.05.2022United Airlines<td class
="column-3">UA855 / UAL855LimaHousto
nLimaengin
e issueBoeing 767-322(ER)<a href='h
ttps://www.mysafersky.com/aircraft-registration/n651ua/"' target=" blank">N651UA</a></td
08.05.2022Air CanadaAir CanadaAir CanadaAir CanadaAir CanadaAir CanadaAir Canada
mn-3">AC873 / ACA873ParisToronto
>Dublin7700medi
cal emergencyBoeing 777-333(ER)<a h
ref='https://www.mysafersky.com/aircraft-registration/c-fnnw/"' target=" blank">C-FNNW</
a>
07.05.2022Azimuth<td class="column-
3">A49063 / AZO9063MoscowBukhara</td
>Moscowpossible
landing gear issueSukhoi Superjet 100-95LR<td class="col
umn-10"><a href='https://www.mysafersky.com/aircraft-registration/ra-89093/"' target=" b
lank">RA-89093</a>
07.05.2022EasyJet<td class="column-
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td class="column-6">Glasgowbird stri
keAirbus A319-111G-EZGR
06.05.2022Emirates<td class="column
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d>Istanbulopera
tional reasonsBoeing 777-31H(ER)A6-
ENQ
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06.05.2022Azul Linhas Aereas<td cla
ss="column-3">AD4090 / AZU4090Recife
Fernando De NoronhaRecife<td cl
ass="column-8">landing gear issueEmbraer E195AR<td class
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pener" target=" blank">PR-AXP</a>
06.05.2022TAP Air Portugal<td class
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sbonSantiago
8">medical emergencyAirbus A320-251N<td class="column-1"
0">CS-TVE
06.05.2022IndiGo<td class="column-
3">6E5283 / IGO5283ChandigarhMumbai
Jaipurmedi
cal emergencyAirbus A321-271NXVT-IU
N
06.05.2022Air Canada<td class="colu
mn-3">AC8350 / JZA350Prince GeorgeVa
ncouverPrince George<td class
="column-8">hydraulic issueDe Havilland Canada Dash 8-400
C-GIJZ
06.05.2022Jet2
LS382 / EXS33PTenerifeBelfast<t
d class="column-6">Shannonmedical em
ergencyBoeing 737-86N<a href="http
s://www.mysafersky.com/aircraft-registration/q-qdfs/" rel="noopener" target=" blank">G-G
DFS</a>
06.05.2022Singapore Airlines<td cla
ss="column-3">SQ439 / SIA439Kathmandu<td class="column-
5">SingaporeKolkata<td class="c
olumn-8">technical issueBoeing 737-8SA<td class="column-1"
0">9V-MGL
05.05.2022Jet2
LS134 / EXS23BTMalagaGlasgow<td
class="column-6">Nantes7700medical
emergencyBoeing 737-8MGG-JZBA
05.05.2022Belavia
3">B2740 / BRU740BakuMinsk<td c
lass="column-6">Samara7700medical em
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01.05.2022Brussels Airlines<td clas
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MarrakeshBrussels<td class="col
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30.04.2022EasyJet
3">U27195 / EZY86PRLiverpoolFaro</td
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L1651 / KLM1651AmsterdamVenice<
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on boardEmbraer E195-E2PH-NXF
29.04.2022Air France<td class="colu
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Marseille7700<td class="column-
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27.04.2022EasyJet<td class="column-
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27.04.2022Ryanair<td class="column-
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PauloLisbon
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Valenciasm
oke on boardBoeing 737 MAX 8-2009H-
VUA
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23.04.2022Wizz Air
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Gdansktechnical
issueAirbus A321-271NXHA-LVE
22.04.2022SASS
K535 / SAS31BStockholmDublin<td
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22.04.2022Delta Air Lines
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badJaipurm
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19.04.2022Pascan Aviation<td class
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18.04.2022Italia Trasporto Aereo<td</pre>
class="column-3">AZ146 / ITY146Milan<td class="column-
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lumn-8">airspeed issueEmbraer E190AR<td class="column-1"
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18.04.2022Lufthansa<td class="colum
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Chicagolav
atory issueBoeing 747-830<a href="h
ttps://www.mysafersky.com/aircraft-registration/d-abyr/" rel="noopener" target=" blank">
D-ABYR</a>
18.04.2022American Airlines<td clas
s="column-3">AA3130 / SKW3130Phoenix
ArcataFresno
8">cracked windshieldMitsubishi CRJ-700ER<td class="colum
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17.04.2022Austrian Airlines<td clas
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iennaWashington
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OE-LAE
17.04.2022TUI fly<td class="column-
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F-GSPM
15.04.2022American Airlines
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14.04.2022United Airlines
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Londonmain
tenanceBoeing 787-9 Dreamliner<a hr
ef="https://www.mysafersky.com/aircraft-registration/n27957/" rel="noopener" target=" bl
ank">N27957</a>
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itioning issueSukhoi Superjet 100-95B<td class="column-1"
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olumn-8">maintenanceAirbus A220-100
N115DU
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13.04.2022LOTL

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021 / LOT21EWarsawLos Angeles<t
d class="column-6">Warsawengine issu
eBoeing 787-8 DreamlinerSP-LRF
12.04.2022Ethiopian Airlines<td cla
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is AbabaLagos
8">Boeing 777-260(LR)ET-ANN
11.04.2022TUIfly
3">TB1271 / JAF4MYBrusselsMurcia</td
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1 emergencyBoeing 737-8K500-JEF</td
11.04.2022Uzbekistan Airways<td cla
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10.04.2022Vueling
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d>Alicantepossi
ble technical issueAirbus A320-214E
C-JYX
09.04.2022Azul Linhas Aéreas<td cla
ss="column-3">AD4357Rio de JaneiroCa
mpinasclass="column-6">Rio de Janeiro<td class
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09.04.2022Emirates<td class="column
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class="column-6">Istanbul<td c
lass="column-9">Airbus A380-842A6-EVR
09.04.2022Pakistan International Airline
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s="column-5">JeddahKarachi<td c
lass="column-8">cracked windshieldBoeing 777-240(ER)<td c
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08.04.2022Southwest Airlines<td cla
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>Ankara<td
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sky.com/aircraft-registration/d-aixj/"\ rel="noopener"\ target="\ blank">D-AIXJ</a>
08.04.2022LOTL
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w.mysafersky.com/aircraft-registration/sp-lrh/" rel="noopener" target=" blank">SP-LRH</a
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08.04.2022Southwest Airlines<td cla
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08.04.2022Avianca
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safersky.com/aircraft-registration/n780av/" rel="noopener" target=" blank">N780AV</a></t
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lass="column-8">Airbus A320-214N223
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07.04.2022Spirit Airlines<td class
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8">engine issueBoeing 767-322(ER)<a
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294
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AngelesHonolulu<td class="colu
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05.04.2022United Airlines<td class
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04.04.2022Lufthansa<td class="colum
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urtDenver
Boeing 747-830D-ABYN
04.04.2022IndiGo
3">6E7074 / IGO7074NagpurLucknow</td
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l issueATR 72-600VT-IYW
04.04.2022FlySafairFlySafair
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ownPort Elizabeth<td class="col
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5">MelbournePerth<td class="col
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n-10">9M-MTJ
03.04.2022Ryanair<td class="column-
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dical emergencyBoeing 737-8ASEI-EME
03.04.2022Lufthansa<td class="colum
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YorkShannon
8">medical emergencyAirbus A330-303
TC-JOA
02.04.2022EasyJet
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5">MiamiColumbus<td class="colu
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01.04.2022WestJet<td class="column-
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Reginamedical e
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RP 
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31.03.2022Delta Air Lines<td class
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31.03.2022Air Senegal<td class="col
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1 emergencyAirbus A330-9419H-SZN</t</pre>
31.03.2022Ryanair
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CO
31.03.2022Brussels Airlines<td clas
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8">medical emergencyAirbus A330-343
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usselsTammanrassa<td class="col
umn-8">medical emergencyAirbus A330-342<td class="column-
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rget=" blank">00-SFB</a>
30.03.2022FlySafair<td class="colum
n-3">FA143 / SFR143East LondonCape T
ownPort Elizabeth<td class="col
umn-8">slat issueBoeing 737-4Y0<a h
ref="https://www.mysafersky.com/aircraft-registration/zs-jre/" rel="noopener" target=" b
lank">7S-JRE</a>
30.03.2022Alaska Airlines
="column-3">AS840 / AS840BostonSeat
tleBostont
ail strike on takeoffBoeing 737-990(ER)<td class="column-
10">N238AK
29.03.2022Southwest Airlines<td cla
ss="column-3">WN1859 / SWA1859Milwaukee<td class="column-
5">BaltimoreMilwaukee<td class
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0">N295WN
29.03.2022LATAM Airlines<td class
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CartagenaMedellin<td class="col
umn-8">landing gear issueAirbus A320-214<td class="column
-10">CC-BAS
29.03.2022Aeroflot<td class="column
-3">SU1967 / AFL1967YerevanMoscow</t
d>Samarabomb th
reatSukhoi Superjet 100-95B<a href
="https://www.mysafersky.com/aircraft-registration/ra-89027/" rel="noopener" target=" bl
ank">RA-89027</a>
28.03.2022Delta Air Lines
="column-3">DL339 / DAL339AtlantaSea
ttleDenver7700<td class="column
-8">pressurisation issueBoeing 757-232<td class="column-1"
0">N686DA
27.03.2022Air Astana<td class="colu
mn-3">KC622 / KZR622Nur-SultanAlmaty
Nur-Sultan7700<td class="column
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-10">EI-KDC
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27.03.2022United Airlines<td class
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richNew York7700<td class="colu
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0">N675UA
27.03.2022Enter Air<td class="colum
n-3">E47835 / ENT7835WarsawEspargos
Fuerteventura
8">disruptive passengerBoeing 737 MAX 8<td class="column-
10">SP-EXB
27.03.2022Lufthansa
n-3">LH438 / DLH438FrankfurtDallas</
td>Reykjaviksmo
ke on boardAirbus A340-313D-AIGN</t
26.03.2022Avianca<td class="column-
3">AV7392 / GLG7392GuayaquilNew York
Guayaquilb
ird strikeAirbus A320-214N748AV</td
25.03.2022United AirlinesUnited Airlines
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WashingtonSyracuse<td class="co
lumn-8">engine issueMitsubishi CRJ-200LR<td class="column
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25.03.2022Singapore Airlines<td cla
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ngaporeLondon
8">engine issueBoeing 777-312(ER)9V
-SWZ
24.03.2022British Airways
="column-3">BA304 / BAW304LondonPari
sLondon77007700
8">mechanical issueAirbus A320-232<
a href="https://www.mysafersky.com/aircraft-registration/g-gatj/" rel="noopener" target
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24.03.2022S7 Airlines<td class="col
umn-3">S75211 / SBI5211NovosibirskB1
agoveshchenskIrkutsk<td class
="column-8">engine issueAirbus A321-271N<td class="column
-10">VQ-BDI
23.03.2022Air Niugini<td class="col
umn-3">PX3 / ANG3Port MoresbyBrisban
ePort Moresby
8">pressurisation issueBoeing 767-341(ER)<td class="colum
n-10"><a href='https://www.mysafersky.com/aircraft-registration/p2-pxv/"' target=" blan
k">P2-PXV</a>
22.03.2022Aer Lingus<td class="colu
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mn-3">EI111 / EIN11HShannonNew York
Shannoneme
rgency door possibly openAirbus A321-253NXAirbus A321-253NX
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k">EI-LRB</a>
22.03.2022United Airlines<td class
="column-3">UA47 / UAL47FrankfurtHou
stonFrankfurt7700<td class="col
umn-8">mechanical issueBoeing 777-224(ER)<td class="colum
n-10">N78013
21.03.2022Qatar Airways<td class="c
olumn-3">QR579 / QTR579DelhiDoha</td
>Karachicargo s
moke indicationAirbus A350-941A7-AL
Z
21.03.2022LOTL
06293 / LOT6293PraguePunta Cana
Paris7700medica
1 emergencyBoeing 787-9 Dreamliner<
a href="https://www.mysafersky.com/aircraft-registration/sp-lsc/" rel="noopener" target
=" blank">SP-LSC</a>
21.03.2022Jet2
LS895 / EXS4UAManchesterAntalya
Viennadisruptiv
e passengerAirbus A321-211G-HLYF</t
20.03.2022American Airlines<td clas
s="column-3">AA876 / AAL876PittsburghPittsburghPittsburgh
5">PhoenixKansas City<td class
="column-8">Airbus A321-211N167US</
td>
<\!td\ class="column-1">\!20.03.2022<\!/td><\!td\ class="column-2">\!Azul\ Linhas\ Aereas<\!/td}<\!td\ class="column-2">\!Azul\ Linhas\ Aereas<\!/td>
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5">LisbonRecife
n-8">medical emergencyAirbus A330-941<td class="column-1"
0">PR-ANY
20.03.2022American Airlines<td clas
s="column-3">AA113 / AAL113Barcelona
\label{lem:miami} $$ MiamiBarcelona
-8">possible technical issueBoeing 777-223(ER)<td class
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pener" target=" blank">N777AN</a>
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rPorto
>Boeing 737-8K5G-TAWL
19.03.2022United Airlines<td class
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s AngelesDenver
n-8">lavatory issueBoeing 757-224<a
href="https://www.mysafersky.com/aircraft-registration/n14106/" rel="noopener" target
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19.03.2022Bulgaria Air<td class="co
lumn-3">FB471 / LZB471SofiaMadrid</t
d>Nice7700possi
ble technical issueEmbraer E190STDL
Z-PLO
19.03.2022Gol Linhas Aéreas<td clas
s="column-3">G31718 / GL01718Brasilia<td class="column-
5">TeresinaPalmas<td class="col
umn-8">medical emergencyBoeing 737 MAX 8<td class="column
-10"><a href="https://www.mysafersky.com/aircraft-registration/pr-xmc/" rel="noopener" t
arget=" blank">PR-XMC</a>
19.03.2022Southwest Airlines<td cla
ss="column-3">WN634 / SWA634Baltimore<td class="column-
5">JacksonvilleTampa<td class
="column-8">mechanical issueBoeing 737-8H4<td class="colu
mn-10">N8615E
18.03.2022United Airlines<td class
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ortland   Amarillo       Amarillo     Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo   Amarillo < < class = "column-6" > Amarillo < class = "column-6" > Amari
n-8">smoke in cabinAirbus A319-131N
813UA
17.03.2022United Airlines
="column-3">UA997 / UAL997AccraWashi
ngtonSan Juan
8">urgent customer situation on boardBoeing 787-8 Dreamliner</
td>N30913
15.03.2022Turkish Airlines<td class
="column-3">TK2111 / THY2XNAnkaraIst
anbulAnkara
8">technical issueBoeing 737-9F2(ER)<td class="column-1"
0">TC-JYI
14.03.2022Lufthansa<td class="colum
n-3">LH772 / DLH772FrankfurtBangkok
Frankfurtc
argo door indicationAirbus A340-313
<a href='https://www.mysafersky.com/aircraft-registration/d-aigs/"' target=" blank">D-AI
GS</a>
14.03.2022Air Serbia<td class="colu
mn-3">JU652 / ASL652BelgradeMoscow</
td>Belgradebomb
threatAirbus A319-132YU-APK
14.03.2022EasyJet<td class="column-
3">U27594 / EJU139CZurichPorto<
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td class="column-6">Lyon7700medical

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emergencyAirbus A320-214OE-ICF</td
14.03.2022El Al<td class="column-
3">LY618 / ELY618MoscowTel Aviv
Moscowsuspected
tail strikeBoeing 737-958(ER)4X-EH
H
14.03.2022LOTL
0483 / LOT4YHWarsaw0slo<td clas
s="column-6">Warsawpressurisation is
sueEmbraer E195LR<a href="https://w
www.mysafersky.com/aircraft-registration/sp-lnh/" rel="noopener" target=" blank">SP-LNH</
a>
13.03.2022AirAsia India
olumn-3">I52472 / IAD2472BengaluruKo
lkataBhubaneswar<td class="colu
mn-8">medical emergencyAirbus A320-216<td class="column-1"
0">VT-APJ
13.03.2022United Airlines
="column-3">UA5303 / SKW5303HuntsvilleHuntsville
5">DenverWichita<td class="colu
mn-8">unruly passengerEmbraer E175LL<td class="column-1"
0">N618UX
13.03.2022United Airlines
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noluluNew York<td class="column
-8">technical issueBoeing 767-424(ER)<td class="column-1"
0"><a href='https://www.mysafersky.com/aircraft-registration/n66051/"' target=" blank">N
66051</a>
13.03.2022TUI fly
3">X32146 / TUI2146HannoverPalma de
MallorcaBrussels<td class="col
umn-8">hydraulic issueBoeing 737-8K5<td class="column-1"
0">D-AHFV
13.03.2022Delta Air Lines
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s AngelesDallas<td class="colum
n-8">technical issueAirbus A320-212
N347NW
12.03.2022AirAsia India<td class="c
olumn-3">I51228 / IAD1228ChennaiJaip
urBengaluru
8">technical issueAirbus A320-216VT
-PNQ
11.03.2022Air France<td class="colu
mn-3">AF422 / AFR422ParisBogota
Paris7700smoke
on boardBoeing 787-9 DreamlinerF-H
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RBB
11.03.2022United Airlines<td class
="column-3">UA2425 / UAL2425Santa Ana<td class="column-
5">HoustonAustin<td class="colu
mn-8">mechanical issueBoeing 737-824<td class="column-1"
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<\!\!\!\text{td class}="column-1">\!\!11.03.2022<\!\!/\text{td}>\!\!<\!\!\text{td class}="column-2">\!\!\!\!\text{Air Serbia}<\!\!/\text{td}>\!\!<\!\!\text{td class}="column-2"}
mn-3">JU652 / ASL652BelgradeMoscow</
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threatAirbus A330-243YU-ARB
11.03.2022American Airlines<td clas
s="column-3">AA5593 / JIA5593Minneapolis<td class="column
-5">WashingtonMinneapolis<td cl
ass="column-8">door indicationMitsubishi CRJ-900LR<td cla
ss="column-10">N592NN
09.03.2022Pobeda<td class="column-
3">DP306 / PBD306SochiSt. Petersburg
Samarabomb
threatBoeing 737-8LJVQ-BHC
09.03.2022TUI Airways<td class="col
umn-3">BY2384 / TOM3WKManchesterFuer
teventuraManchester7700<td clas
s="column-8">technical issueBoeing 737-8K5<td class="colu
mn-10">G-TAWY
08.03.2022LATAM Airlines<td class
="column-3">LA8114 / TAM8114Sao Paulo<td class="column-
5">BarcelonaFortaleza<td class
="column-8">disruptive passengerBoeing 767-316(ER)<td cla
ss="column-10">PT-MSY
08.03.2022Pakistan International Airline
sPK783 / PIA783Karachi<td class
="column-5">TorontoKarachi<td c
lass="column-8">medical emergencyBoeing 777-240(LR)<td cl
ass="column-10"><a href='https://www.mysafersky.com/aircraft-registration/ap-bgy/"' targ
et=" blank">AP-BGY</a>
07.03.2022Delta Air Lines<td class
="column-3">DL643 / DAL643CancunNew
YorkCancun
8">smoke in cabinBoeing 757-232N673
DL
07.03.2022Air Transat<td class="col
umn-3">TS327 / TSC327CancunToronto</
td>Cancunbrakes
issueAirbus A330-243<a href="http
s://www.mysafersky.com/aircraft-registration/c-gubc/" rel="noopener" target=" blank">C-G
UBC</a>
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07.03.2022Comair<td class="column-
3">MN451 / CAW451JohannesburgCape To
wnJohannesburg<td class="column
-8">engine issueBoeing 737-8LDZS-ZW
B
07.03.2022Delta Air Lines<td class
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JacksonvilleCharleston7700<td c
lass="column-8">Embraer E175LRN202J
Q
06.03.2022United Airlines<td class
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5">Raleigh-DurhamWashington<td
class="column-8">technical issueEmbraer E175LR
="column-10">N745YX
06.03.2022Luxair<td class="column-
3">LG8013 / LGL8013LuxembourgParis</
td>Luxembourgla
nding gear issueDe Havilland Canada Dash 8-400<td class
="column-10">LX-LQB
06.03.2022Kenya Airways<td class="c
olumn-3">KQ311 / KQA311DubaiNairobi
Dubaitail
strike on takeoffBoeing 737-8HX5Y-
CYB
06.03.2022LATAM Airlines<td class
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5">BogotaSao Paulo<td class="co
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10">PR-TYI
05.03.2022Azul Linhas Aereas<td cla
ss="column-3">AD4763 / AZU4763Campinas<td class="column-
5">FortalezaCampinas<td class
="column-8">engine shut downAirbus A320-251N<td class="co
lumn-10"><a href='https://www.mysafersky.com/aircraft-registration/pr-yyi/"' target=" bl
ank">PR-YYI</a>
05.03.2022United Airlines<td class
="column-3">UA1062 / UAL1062Las Vegas<td class="column-
5">Chicago O'HareChicago Rockford</t
d>medical emergencyAirbus A320-232<t
d class="column-10">N490UA
04.03.2022EasyJet<td class="column-
3">U2572 / EZY16LGBristolNewcastle</
td>Bristol7700t
echnical issueAirbus A319-111G-EZBO
04.03.2022Aerolineas Argentinas<td
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n-5">SaltaCordoba<td class="col
umn-8">pressurisation issueBoeing 737-8MBtd>Boeing 737-8MB
n-10">LV-FXQ
03.03.2022United Airlines
="column-3">UA4845 / UCA4845Springfield<td class="column-
5">DenverWichita<td class="colu
mn-8">flight control issueEmbraer ERJ-145XR<td class="col
umn-10">N16170
03.03.2022S7 Airlines<td class="col
-5">NovosibirskKhabarovsk<td cl
ass="column-8">medical emergencyAirbus A320-271N<td class
="column-10">VP-BTX
03.03.2022AeromexicoAeromexico
mn-3">AM617 / AMX617TorontoMexico Ci
ty   Houston     d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d  d <
isruptive passengerBoeing 737 MAX 8
N105JS
02.03.2022EasyJet
3">U22406 / EZY58FPMalagaLondon
Madridmedical e
mergencyAirbus A319-111<a href='htt
ps://www.mysafersky.com/aircraft-registration/g-ezdd/"' target=" blank">G-EZDD</a>
02.03.2022TUI Airways<td class="col
umn-3">BY735 / TOM735Boa VistaBirmin
qhamGran Canaria<td class="colu
mn-8">medical emergencyBoeing 737 MAX 8<td class="column-
10">G-TUMJ
01.03.2022JetBlue
3">B62060 / JBU2060Fort MyersNew Yor
k - LaGuardiaNew York - JFK<td
class="column-8">hydraulic issueAirbus A320-232<td class
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28.02.2022American Airlines<td clas
s="column-3">AA9898 / SKW9898Montreal<td class="column-
5">ChicagoMontreal<td class="co
lumn-8">fuel imbalanceMitsubishi CRJ-701ER<td class="colu
mn-10">N718SK
28.02.2022Aerolineas Argentinas<td
class="column-3">AR1686 / AR1686Buenos Aires<td class="c
olumn-5">San Carlos de BarilocheBuenos Aires<td class="co
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="column-10"><a href='https://www.mysafersky.com/aircraft-registration/lv-fvo/"' target
=" blank">LV-FVO</a>
28.02.2022Ryanair
3">FR7032 / RYR42LZDublinFaro<t
d class="column-6">Bordeaux7700medic
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al emergencyBoeing 737-8AS<a href
='https://www.mysafersky.com/aircraft-registration/ei-emj/"' target=" blank">EI-EMJ</a>
27.02.2022Qantas
3">QF2534 / QLK534DBrisbaneLongreach
Brisbanebi
rd strikeDe Havilland Canada Dash 8-400<td class="column-
10">VH-QOM
26.02.2022EasyJet<td class="column-
3">U28538 / EZY586EFuerteventuraLond
onFuerteventura
n-8">Airbus A321-251NX<a href='http
s://www.mysafersky.com/aircraft-registration/g-uzme/"' target=" blank">G-UZME</a>
26.02.2022Iberia
3">IB3859 / IBS38JULanzaroteMadrid</
td>Lanzarotemed
ical emergencyAirbus A321-251NXEC-N
JI
25.02.2022Ryanair
3">FR1444 / RYR75MGMilanValencia</td
>Milanbird stri
keBoeing 737 MAX 8-2009H-VUN
25.02.2022Air FranceAir France
mn-3">AF66 / AFR066ParisLos Angeles
Paris7700
Boeing 777-328(ER)<a href='https://</pre>
www.mysafersky.com/aircraft-registration/f-gsqb/"' target=" blank">F-GSQB</a>
24.02.2022Nordwind Airlines<td clas
s="column-3">N44145 / NWS4145Novosibirsk<td class="column
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ss="column-8">medical emergencyAirbus A321-253N<td class
="column-10">VQ-BJC
24.02.2022Aerolineas Argentinas<td
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pressurisation issueEmbraer E190AR
td>LV-GIQ
24.02.2022Southwest Airlines<td cla
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5">DallasKansas City<td class
="column-8">bird strikeBoeing 737-7H4<td class="column-1"
0">N967WN
23.02.2022KLMK
L686 / KLM142Mexico CityAmsterdam</t
d>New Yorkmedic
al emergencyBoeing 787-9 Dreamliner
<a href='https://www.mysafersky.com/aircraft-registration/ph-bhi/"' target=" blank">PH-B
HI</a>
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23.02.2022American Airlines<td clas
s="column-3">AA534 / AAL534Oranjestad<td class="column-
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ass="column-8">cargo smoke indicationAirbus A320-214<td c
lass="column-10">N105UW
23.02.2022Nouvelair<td class="colum
n-3">BJ786 / LBT786TunisNicetd
class="column-6">Algherosmoke in ca
binAirbus A320-214TS-IND
23.02.2022Vueling
3">VY3290 / VLG6YZGran CanariaBilbao
Lanzarotem
edical emergencyAirbus A320-271NEC-
NBA
21.02.2022Ryanair<td class="column-
3">FR4158 / RYR4158ShannonAlicante</
td>Corkmedical
emergencyBoeing 737-8ASEI-DWH
20.02.2022Aurigny Air Services<td c
lass="column-3">GR678 / AUR78BGuernsey<td class="column-
5">ManchesterLiverpool7700<td c
lass="column-8">technical issueATR 72-600<td class="colum
n-10">G-OATR
20.02.2022TUI fly Netherlands
ass="column-3">OR371 / TFL371AmsterdamAmsterdam
5">Punta CanaAmsterdam<td class
="column-8">technical issueBoeing 787-8 Dreamliner<td cla
ss="column-10"><a href="https://www.mysafersky.com/aircraft-registration/ph-tfk/" rel="n
oopener" target=" blank">PH-TFK</a>
20.02.2022Finnair<td class="column-
3">AY1305 / FIN2XLHelsinkiAmsterdam
Helsinkien
gine issueAirbus A319-112OH-LVD</td
>
20.02.2022United Airlines<td class
="column-3">UA2192 / UAL2192ChicagoS
anta AnaDenver<td class="column
-8">technical issueBoeing 737-724N1
4704
20.02.2022Ural Airlines<td class="c
olumn-3">U62932 / SVR2932SimferopolY
ekaterinburgVolgograd<td class
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mn-10">VQ-BTZ
19.02.2022Juneyao Air<td class="col
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umn-3">HO1231 / DKH1231ShanghaiCheng

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duWuhancra
cked cockpit windowAirbus A320-214B
-6572 
18.02.2022Transavia<td class="colum
n-3">HV5662 / TRA5662Gran CanariaAms
terdamFaro
medical emergencyBoeing 737-8K2PH-H
XN
18.02.2022LOTL
06505 / LOT6505WarsawCancun<td
class="column-6">Warsawslat issue</
td>Boeing 787-8 Dreamliner<a href="http
s://www.mysafersky.com/aircraft-registration/sp-lrg/" rel="noopener" target=" blank">SP-
LRG</a> 
18.02.2022Air Inuit<td class="colum
n-3">3H700 / AIE700MontrealPuvirnitu
qLa Grande Riviere<td class="co
lumn-8">engine issueBoeing 737-2Q2C(A)<td class="column-1"
0"><a href='https://www.mysafersky.com/aircraft-registration/c-gmai/"' target=" blank">C
-GMAI < /a > 
17.02.2022PAL Airlines<td class="co
lumn-3">PB901 / PVL901Goose BayChurc
hill FallsGoose Bay<td class="c
olumn-8">technical issueDe Havilland Canada Dash 8-400<td
class="column-10">C-GYYR
17.02.2022China Eastern Airlinestd><td
class="column-3">MU5804 / CES5804Shanghai<td class="colu
mn-5">KunmingChangsha<td class
="column-8">medical emergencyBoeing 787-9 Dreamliner<td c
lass="column-10">B-209N
17.02.2022Vistara<td class="column-
3">UK697 / VTI697DelhiAmritsar<
td class="column-6">Delhihydraulic i
ssueAirbus A320-251NVT-TNI
17.02.2022Finnair<td class="column-
3">AY1107 / FIN7GJHelsinkiVilnius</t
d>Rigasmoke on the column-8 column-8
boardATR 72-500OH-ATI
16.02.2022American Airlines<td clas
s="column-3">AA2036 / AAL2036New YorkNew York
5">CharlotteGreensboro<td class
="column-8">odor on boardAirbus A321-231<td class="column
-10">N519UW
15.02.2022S7 Airlines<td class="col
umn-3">S73641 / SBI3641MoscowAlicant
eMinskmedi
cal emergencyAirbus A320-271NVQ-BYT
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13.02.2022American Airlines<td clas
s="column-3">AA5561 / JIA5561Washington<td class="column-
5">BirminghamWashington<td clas
s="column-8">pressurisation issueMitsubishi CRJ-701ER<td
class="column-10">N514AE
13.02.2022American Airlines<td clas
s="column-3">AA694 / AAL694PhoenixHo
noluluPhoenix
8">disruptive passengerAirbus A321-253NX<td class="column
-10">N412UW
13.02.2022American Airlines<td clas
s="column-3">AA1775 / AAL1775Los Angeles<td class="column
-5">WashingtonKansas City<td cl
ass="column-8">unruly passengerAirbus A321-253NX<td class
="column-10">N446AN
12.02.2022SkyUp<td class="column-
3">PQ902 / SQP902FunchalKyiv<td
class="column-6">Chisinaulessor req
uirementsBoeing 737-82RUR-SQO
12.02.2022S7 Airlines<td class="col
umn-3">S75066 / SBI5066KaliningradNo
vosibirskOmsk
8">medical emergencyAirbus A320-271N<td class="column-1"
0">VQ-BSC
12.02.2022American Airlines<td clas
s="column-3">AA313 / AAL313DallasSan
DiegoDallas
8">fumes on boardAirbus A321-211N15
OUW
12.02.2022TUI Airways<td class="col
umn-3">BY704 / TOM704BirminghamEspar
gosTenerife
8">medical emergencyBoeing 787-8 Dreamliner<td class="col
umn-10"><a href="https://www.mysafersky.com/aircraft-registration/g-tuib/" rel="noopene
r" target=" blank">G-TUIB</a>
12.02.2022Blue Air<td class="column
-3">0B9046 / BLA9046StockholmGothenb
urgStockholm
8">cracked windshieldBoeing 737-8FH
YR-BMQ
12.02.2022Cebu Pacific<td class="co
lumn-3">5J773 / CEB773ManilaPagadian
Cebu7700</
td>Airbus A320-214RP-C4104
11.02.2022JetSMART<td class="column
-3">JA230 / JAT230ConcepcionCalama</
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td>Concepcionla
nding gear issueAirbus A320-232CC-A
WF
11.02.2022TUIfly Belgium<td class
="column-3">TB353 / JAF353BrusselsHa
vanaNantes
medical emergencyBoeing 787-8 Dreamliner<td class="column
-10"><a href='https://www.mysafersky.com/aircraft-registration/ph-tfl/"' target=" blan
k">PH-TFL</a>
10.02.2022Southwest Airlines<td cla
ss="column-3">WN1187 / SWA1187IndianapolisIndianapolis
mn-5">PhoenixWichita<td class
="column-8">generator issueBoeing 737-7H4<td class="colum
n-10">N408WN
10.02.2022AirAsia<td class="column-
3">AK5748 / AXM5748Kuala LumpurTawau
Kuchingani
mal (snake) on boardAirbus A320-216
9M-RAN
10.02.2022Comair<td class="column-
3">MN451 / CAW451JohannesburgCape To
wnJohannesburg7700<td class="co
lumn-8">technical issueBoeing 737-8LD
0">ZS-ZWD
09.02.2022Frontier Airlines<td clas
s="column-3">F91335 / FFT1335New York<td class="column-
5">OrlandoRaleigh-Durham<td cla
ss="column-8">disruptive passengerAirbus A320-251N<td cla
ss="column-10">N364FR
09.02.2022American Airlines<td clas
s="column-3">AA5354 / JIA5354WashingtonWashington
5">GreensboroWashington<td clas
s="column-8">Mitsubishi CRJ-701ERN5
01BG
08.02.2022Corsair<td class="column-
3">SS926 / CRL926ParisPointe-a-Pitre
Santiago de Compostela<td class
="column-8">medical emergencyAirbus A330-941<td class="co
lumn-10">F-HRNB
07.02.2022Emirates
-3">EK235 / UAE235DubaiChicago<
td class="column-6">Winnipegmechanic
al issueBoeing 777-31H(ER)<a href
="https://www.mysafersky.com/aircraft-registration/A6-EQD/" rel="noopener" target=" blan
k">A6-EQD</a>
07.02.2022American Airlines<td clas
s="column-3">AA5681 / JIA5681Jacksonville<td class="colum
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d class="column-10">N567NN
07.02.2022Aeroflot<td class="column
-3">SU1524 / AFL1524MoscowGorno-Alta
yskOmsksme
ll on boardBoeing 737-8LJVQ-BWE</td
07.02.2022American Airlines<td clas
s="column-3">AA482 / AAL482Charlotte
Los AngelesAlbuquerque7700<td c
lass="column-8">disruptive passengerAirbus A321-231<td cl
ass="column-10"><a href="https://www.mysafersky.com/aircraft-registration/n923us/" rel
="noopener" target=" blank">N923US</a>
07.02.2022Lufthansa<td class="colum
n-3">LH400 / DLH400FrankfurtNew York
Frankfurt7700<td class="column-
8">technical issueBoeing 747-430D-A
BTK
06.02.2022Turkish Airlines<td class
="column-3">TK1030 / THY2RQSofiaIsta
nbulSofiaf
light control issueBoeing 737-9F2(ER)<td class="column-1"
0">TC-JYF
06.02.2022Jet2
LS776 / EXS776AlicanteEdinburgh
Manchester7700m
edical emergencyBoeing 737-8MG<a hr
ef="https://www.mysafersky.com/aircraft-registration/g-jzbc/" rel="noopener" target=" bl
ank">G-JZBC</a>
05.02.2022Nepal Airlines<td class
="column-3">RA230 / RNA230DubaiKathm
anduDubaip
ossible hydraulic issueAirbus A320-233Airbus A320-233
0">9N-AKX
05.02.2022Delta Air Lines
="column-3">DL54 / DAL54AtlantaLagos
Bermudamed
ical emergencyAirbus A330-223<a hre
f="https://www.mysafersky.com/aircraft-registration/n859nw/" rel="noopener" target=" bla
nk">N859NW</a>
04.02.2022British Airways
="column-3">BA400 / BAW400LondonCair
oDubrovnik
medical emergencyAirbus A321-251NXG
-NEOR
04.02.2022Avelo Airlines<td class
="column-3">XP323 / VXP323New HavenF
ort LauderdaleWindsor Locks<td
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class="column-8">bird strikeBoeing 737-7H4<td class="col
umn-10">N701VL
03.02.2022Delta Air Lines
="column-3">DL9770 / DAL9770SeattleS
eoulSeattle
8">engine issueAirbus A330-941N408D
X
03.02.2022Sun Country<td class="col
umn-3">SY110 / SCX110Las VegasMinnea
polisLas Vegas<td class="column
-8">landing gear issueBoeing 737-8K2<td class="column-1"
0">N817SY
03.02.2022JetBlue<td class="column-
3">B61730 / JBU1730Fort MyersNew Yor
kRaleigh-Durham
n-8">radio issueAirbus A320-232<a h
ref='https://www.mysafersky.com/aircraft-registration/n641jb/"' target=" blank">N641JB</
a>
02.02.2022SASS
K4112 / SAS4112OsloBodo<td clas
s="column-6">Trondheimpressurisation
issueBoeing 737-85PLN-RRE
02.02.2022Wizz Air<td class="column
-3">W63265 / WZZ3265BucharestDubai</
td>Ankaradisrup
tive passengerAirbus A321-271NXHA-L
VN
02.02.2022South African Airways<td
class="column-3">SA60 / SAA060Johannesburg<td class="col
umn-5">LagosLibreville<td class
="column-8">medical emergencyAirbus A330-343<td class="co
lumn-10"><a href="https://www.mysafersky.com/aircraft-registration/zs-sxm/" rel="noopene
r" target=" blank">ZS-SXM</a>
02.02.2022American Airlines<td clas
s="column-3">AA1233 / AAL1233DallasB
entonvilleDallas7700<td class
="column-8">technical issueAirbus A319-112<td class="colu
mn-10"><a href="https://www.mysafersky.com/aircraft-registration/n769us/" rel="noopener"
target=" blank">N769US</a>
01.02.2022Frontier Airlines<td clas
s="column-3">F91511 / FFT1511New YorkNew York
5">AtlantaGreenville-Spartanburg</td
>medical emergencyAirbus A320-251N<t</pre>
d class="column-10">N348FR
01.02.2022American Airlines<td clas
s="column-3">AA412 / AAL412Windsor Locks<td class="column
-5">MiamiNorfolk7700<td class
="column-8">mechanical issueBoeing 737-823mechanical issue
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mn-10">N834NN
31.01.2022KLMK
L1825 / KLM25BAmsterdamBerlin/td><td
d class="column-6">Amsterdamengine i
ssueEmbraer E190STDPH-EXE
31.01.2022Delta Air Lines
n-5">MinneapolisSaginaw MBS<td
class="column-8">smoke indicationMitsubishi CRJ-900LR<td
class="column-10">N170PQ
31.01.2022American Airlines<td clas
YorkBangor
8">technical issueBoeing 777-323(ER)<td class="column-1"
0"><a href="https://www.mysafersky.com/aircraft-registration/n721an/" rel="noopener" tar
get=" blank">N721AN</a>
31.01.2022Delta Air Lines<td class
="column-3">DL65 / DAL65RomeAtlanta
Barcelonad
isruptive passengerAirbus A330-302N
824NW
31.01.2022Air FranceAir France
mn-3">AF958 / AFR958ParisDouala
Barcelonamedica
1 emergencyAirbus A330-203F-GZCA</t
d>
29.01.2022Qatar Airways<td class="c
olumn-3">QR731 / QTR66GDohaDallas</t
d>Lisbon
d class="column-9">Boeing 777-2DZ(LR)A7-BBB
29.01.2022Southwest Airlines<td cla
ss="column-3">WN2988 / SWA2988Los Angeles<td class="colum
n-5">St. LouisLos Angeles<td cl
ass="column-8">smoke in cabinBoeing 737-7H4<td class="col
umn-10"><a href='https://www.mysafersky.com/aircraft-registration/n425lv/"' target=" bla
nk">N425LV</a>
29.01.2022Wizz Air<td class="column
-3">W62427 / WZZ2427BudapestReykjavi
kAberdeen
Airbus A321-271NXHA-LZE
27.01.2022Azul Linhas Aereas<td cla
ss="column-3">AD2695 / AZU2695Campinas<td class="column-
5">GoianiaCampinas<td class="co
lumn-8">technical issueEmbraer E195-E2technical issue
0"><a href="https://www.mysafersky.com/aircraft-registration/ps-aeg/" rel="noopener" tar
get=" blank">PS-AEG</a>
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27.01.2022KLMK
L861 / KLM861AmsterdamTokyo<td
class="column-6">Helsinkimedical em
ergencyBoeing 787-9 DreamlinerPH-BH
I 
27.01.2022JetBlue<td class="column-
3">B61411 / JBU1411Fort LauderdaleOr
anjestadFort Lauderdale<td clas
s="column-8">bird strikeAirbus A320-232Airbus A320-232
10">N640JB
26.01.2022Air New Zealand<td class
="column-3">NZ1082 / ANZ1082Christchurch<td class="column
-5">GuangzhouHong Kong<td class
="column-8">cracked windshieldBoeing 787-9 Dreamliner<td
class="column-10">ZK-NZH
25.01.2022Delta Air Lines<td class
="column-3">DL439 / DAL439New YorkLo
s AngelesBuffalo<td class="colu
mn-8">smell on boardBoeing 767-332(ER)<td class="column-1"
0">N185DN
25.01.2022LOTL
0223 / LOT2AZWarsawVienna<td cl
ass="column-6">Krakowcockpit door is
sueDe Havilland Canada Dash 8-400SP
-EQC
24.01.2022LOTL
0233 / LOT3MLWarsawBrussels<td
class="column-6">Dusseldorf7700pres
surisation issueEmbraer E195LRSP-LN
D
23.01.2022All Nippon Airways<td cla
ss="column-3">NH801 / AJX801TokyoSin
8">medical emergencyBoeing 787-9 Dreamliner<td class="col
umn-10">JA888A
23.01.2022Aeroflot<td class="column
-3">SU1730 / AFL1730MoscowPetropavlo
vsk-KamchatskyNizhnevartovsk<td
class="column-8">medical emergencyBoeing 777-300(ER)<td
class="column-10"><a href="https://www.mysafersky.com/aircraft-registration/vq-bfo/" re
l="noopener" target=" blank">VQ-BFO</a>
23.01.2022United Airlines
="column-3">UA867 / UAL867San Francisco<td class="column-
5">DelhiAnchorage<td class="col
umn-8">customer service matterBoeing 787-9 Dreamliner<td
class="column-10">N38950
22.01.2022JetBlue<td class="column-
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3">B61748 / JBU1748HaydenFort Lauder

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daleDenver
tail strike on takeoffAirbus A320-232<td class="column-1"
0">N760JB
21.01.2022WestJet
3">WS3202 / WEN3202VancouverFort St.
JohnVancouver<td class="column
-8">landing gear issueDe Havilland Canada Dash 8-400<td c
lass="column-10"><a href='https://www.mysafersky.com/aircraft-registration/c-feno/"' tar
get=" blank">C-FENO</a>
21.01.2022Air France<td class="colu
mn-3">AF7470 / AFR16JPParisPerpignan
Paris7700e
ngine issueAirbus A318-111<a href
='https://www.mysafersky.com/aircraft-registration/f-gugp/"' target=" blank">F-GUGP</a>
20.01.2022Avianca<td class="column-
3">AV257 / AVA257CancunBogota<t
d class="column-6">San Andreshydraul
ic issueAirbus A320-214N992AV
20.01.2022United Airlines<td class
="column-3">UA90 / UAL90New YorkTel
AvivNew York
8">disruptive passengerBoeing 787-10 Dreamliner<td class
="column-10"><a href="https://www.mysafersky.com/aircraft-registration/n17002/" rel="noo
pener" target=" blank">N17002</a>
20.01.2022Hevilift<td class="column
-3">HT728 / HT728MoranbahBrisbane</t
d>Bundabergsmel
1 on boardATR 72-500VH-FVL
20.01.2022LOTL
06521 / LOT6521WarsawPuerto Plata</t
d>Warsawlightni
ng strikeBoeing 787-8 DreamlinerSP-
LRB
20.01.2022Air FranceAir France
mn-3">AFR362VParisAlgiers<td cl
ass="column-6">Parisengine issue</td
>Airbus A318-111<a href='https://www.mys
afersky.com/aircraft-registration/f-gugp/"' target=" blank">F-GUGP</a>
19.01.2022Transavia France<td class
= "column-3">TO4360 / TVF4360  Paris  Mon
tpellierParis7700<td class="col
umn-8">smell in cockpitBoeing 737-86J<td class="column-1"
0">F-HTVR
19.01.2022American Airlines<td clas
s="column-3">AA38 / AAL38MiamiLondon
Miamidisru
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ptive passengerBoeing 777-323(ER)N7

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24AN
19.01.2022United Airlines<td class
="column-3">UA1701 / UAL1701Las Vegas<td class="column-
5">New YorkLincoln<td class="co
lumn-8">smoke in cabinBoeing 737-924(ER)<td class="column
-10"><a href="https://www.mysafersky.com/aircraft-registration/n68821/" rel="noopener" t
arget=" blank">N68821</a>
19.01.2022Caribbean Airlines<td cla
ss="column-3">BW520 / BWA520Port of Spain<td class="colum
n-5">New YorkNorfolk<td class
="column-8">cracked windshieldBoeing 737-808<td class="co
lumn-10">9Y-GEO
18.01.2022Emirates<td class="column
-3">EK225 / UAE225DubaiSan Francisco
St. Petersburg<td class="column
-8">technical issueBoeing 777-31H(ER)<td class="column-1"
0"><a href='https://www.mysafersky.com/aircraft-registration/a6-eqd/"' target=" blank">A
6-EQD</a>
17.01.2022Corsair
3">SS925 / CRL925Fort-de-FranceParis
Lajesmedic
al emergencyAirbus A330-941F-HHUG</
td>
15.01.2022LOTL
03835 / LOT3TMWarsawGdansk<td c
lass="column-6">Warsawhydraulic issu
eDe Havilland Canada Dash 8-400OY-Y
BY
15.01.2022Delta Air Lines<td class
="column-3">DL362 / DAL362Los Angeles<td class="column-
5">KahuluiLos Angeles<td class
="column-8">mechanical issueBoeing 757-251Boeing 757-251
mn-10">N547US
15.01.2022JetBlue<td class="column-
3">B61704 / JBU1704CartagenaFort Lau
derdaleMontego Bay<td class="co
lumn-8">Embraer E190ARN355JB
14.01.2022Aeroflot
-3">SU1129 / AFL1129SochiMoscow
Krasnodarmedica
1 emergencyAirbus A320-214VP-BIL</t
d>
12.01.2022LOTL
06233 / LOT6233WarsawSanta Clara</td
>Warsawtechnica
1 issueBoeing 787-8 Dreamliner<a hr
ef="https://www.mysafersky.com/aircraft-registration/sp-lrg/" rel="noopener" target=" bl
ank">SP-LRG</a>
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12.01.2022Azul Linhas Aereas<td cla
ss="column-3">AD2637 / AZU2637Porto Alegre<td class="colu
mn-5">RecifeVitoria<td class="c
olumn-8">medical emergencyAirbus A320-251N<td class="colu
mn-10"><a href="https://www.mysafersky.com/aircraft-registration/pr-yru/" rel="noopener"
target=" blank">PR-YRU</a>
11.01.2022Air Canada<td class="colu
mn-3">AC8930 / JZA930Thunder BayToro
ntoThunder Bay<td class="column
-8">lavatory smoke indicationMitsubishi CRJ-900LR<td clas
s="column-10"><a href='https://www.mysafersky.com/aircraft-registration/c-fdjz/"' target
=" blank">C-FDJZ</a>
10.01.2022Azul Linhas Aereas<td cla
ss="column-3">AD2649 / AZU2649Manaus
RecifeManaus
8">engine issueAirbus A320-251NPR-Y
RC
10.01.2022S7 Airlines<td class="col
umn-3">S73313 / SBI3313MoscowKarshi
Urgenchmed
ical emergencyBoeing 737-8LPVQ-BRK
10.01.2022All Nippon Airways<td cla
ss="column-3">NH238 / ANA238Brussels
TokyoBrussels
8">engine issueBoeing 787-9 Dreamliner<td class="column-1"
0">JA891A
09.01.2022AirAsia India<td class="c
olumn-3">I51531 / IAD1531RanchiChenn
aiBhubaneswar
8">medical emergencyAirbus A320-214
<a href="https://www.mysafersky.com/aircraft-registration/vt-ixr/" rel="noopener" target</pre>
=" blank">VT-IXR</a>
 09.01.2022LOTL
0407 / LOT407WarsawDusseldorf<t
d class="column-6">Warsawflight cont
rol issueBoeing 737-89PSP-LWA
09.01.2022LATAM Airlines<td class
="column-3">LA8115 / TAM8115BarcelonaBarcelonaColumn-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Column-4">Co
5">Sao PauloFortaleza<td class
="column-8">medical emergencyBoeing 767-316(ER)<td class
="column-10">PT-MSS
09.01.2022United Airlines
="column-3">UA3578 / RPA3578Indianapolis<td class="column
-5">New YorkColumbus7700<td cla
ss="column-8">pressurisation issueEmbraer E170SE<td class
="column-10">N865RW
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09.01.2022Air Austral<td class="col
umn-3">UU977 / REU977NairobiParis</t
d>Athenselectri
cal issueBoeing 787-8 Dreamliner<a
href="https://www.mysafersky.com/aircraft-registration/f-olrc/" rel="noopener" target
=" blank">F-OLRC</a>
08.01.2022American Airlines<td clas
s="column-3">AA5144 / JIA5144ProvidenceProvidence
5">CharlotteWashington<td class
="column-8">smoke in cabinMitsubishi CRJ-900LR<td class
="column-10"><a href="https://www.mysafersky.com/aircraft-registration/N572NN/" rel="noo
pener" target=" blank">N572NN</a>
08.01.2022CondorCondorCondor
3">DE2162 / CFG2162FrankfurtPunta Ca
naLisbonen
gine issueBoeing 767-330(ER)D-ABUD
08.01.2022Aeromexico<td class="colu
mn-3">AM650 / SLI650Mexico CityManag
uaTapachula
8">disruptive passengerEmbraer E190LR<td class="column-1"
0">XA-ALW
08.01.2022KLMK
L701 / KLM701AmsterdamBuenos Aires</
td>Brasíliamedi
cal emergencyBoeing 777-206(ER)<a h
ref="https://www.mysafersky.com/aircraft-registration/ph-bqm/" rel="noopener" target=" b
lank">PH-BQM</a>
08.01.2022Jetstar Airways<td class
="column-3">JQ259 / JST259AucklandWe
llingtonAuckland<td class="colu
mn-8">engineering issueAirbus A320-232<td class="column-1"
0">VH-VGR
08.01.2022Libyan Airlines
="column-3">LN301 / LAA301TunisMisra
taTripolit
echnical issueAirbus A320-2145A-LAP
07.01.2022Condor
3">DE1439 / CFG1MLLanzaroteHamburg</
td>Fuerteventura
8">engine issueBoeing 757-330D-ABOB
05.01.2022Pobeda
3">DP827 / PBD827MoscowPafos<td
class="column-6">Krasnodartechnical
issueBoeing 737-8LJVQ-BWG
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05.01.2022Vietnam Airlines<td class
="column-3">VN5311 / HVN5311TokyoHan
oiFukuokas
hoot down threatBoeing 787-9 Dreamliner<td class="column-
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arget=" blank">VN-A868</a>
05.01.2022Aeroflot<td class="column
-3">SU1701 / AFL1701VladivostokMosco
wKhabarovsk
 8">medical\ emergencyBoeing 777-300(ER)td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>td>
0">VQ-BFO
05.01.2022Finnair
3">AY141 / FIN141HelsinkiBangkok</td
>Helsinkismoke
on boardAirbus A350-941OH-LWH
<\!td\ class="column-1">04.01.2022<\!/td><\!td\ class="column-2">Delta\ Air\ Lines<\!/td><\!td\ class="column-2">Delta\ Air\ Lines<\!/td>
="column-3">DL5441 / EDV5441New York
MinneapolisDetroit<td class="co
lumn-8">damaged windshieldMitsubishi CRJ-701ER<td class
="column-10">N391CA
04.01.2022LATAM Airlines<td class
="column-3">LA3275 / TAM3275Navegantes<td class="column-
5">Sao PauloFlorianopolis<td cl
ass="column-8">bird strikeAirbus A320-214<td class="colum
n-10">PR-MYO
04.01.2022American Airlines
s="column-3">AA2811 / AAL2811Los Angeles<td class="column
-5">DallasPhoenix7700<td class
="column-8">medical emergencyBoeing 737-823<td class="col
umn-10">N865NN
04.01.2022Air Tahiti Nui<td class
="column-3">TN7 / THT7ParisLos Angel
esManchester7700<td class="colu
mn-8">medical emergencyBoeing 787-9 Dreamliner<td class
="column-10">F-OVAA
03.01.2022Flair Airlines
="column-3">F8802 / FLE802EdmontonWa
terlooToronto
8">flaps issueBoeing 737-86NC-FFLA
03.01.2022Aeroflot<td class="column
-3">SU6287 / SDM6287MoscowKhabarovsk
Moscowposs
ible engine issueBoeing 777-31H(ER)
EI-GFB
03.01.2022Aer Lingus
mn-3">EI277 / EIN27GBirminghamDublin
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Manchester7700<td class="column

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-8">technical issueAirbus A320-214E
I-DVM
03.01.2022British Airways<td class
="column-3">BA7319 / CFE7319BelfastE
8">medical emergencyEmbraer E190SRG
-LCYK
03.01.2022Ryanair<td class="column-
3">FR4052 / RYR85BCManchesterFaro</t
d>Brest7700poss
ible fire on boardBoeing 737-8AS<a
href='https://www.mysafersky.com/aircraft-registration/ei-efy/"' target=" blank">EI-EFY
</a>
02.01.2022Vueling
3">VY1290 / VLG1290BarcelonaA Coruna
Santiago de Compostela<td class
="column-8">technical issueAirbus A320-232
mn-10"><a href='https://www.mysafersky.com/aircraft-registration/ec-mfk/"' target=" blan
k">EC-MFK</a>
01.01.2022Eurowings<td class="colum
n-3">EW242 / EWG2JRCologneFuertevent
uraSeville
disruptive passengerAirbus A320-214
D-AEWT
01.01.2022Aeroflot<td class="column
-3">SU6227 / SDM6227MoscowChelyabins
kMoscowtec
hnical issueSukhoi Superjet 100-95B
RA-89099
01.01.2022Brussels Airlines<td clas
s="column-3">SN465 / BEL465BrusselsK
igali   Dubrovnik                                                                                                                            
-8">medical emergencyAirbus A330-342...
0"><a href="https://www.mysafersky.com/aircraft-registration/oo-sfd/" rel="noopener" tar
get=" blank">00-SFD</a>
01.01.2022Wizz Air<td class="column
-3">W61730 / WZZ1730KutaisiGdansk</t
d>Cluj-Napocame
dical emergencyAirbus A321-231HA-LT
H
01.01.2022Delta Air Lines
="column-3">DL127 / DAL127MadridNew
YorkMadrid
8">engine issueBoeing 767-332(ER)<a
href="https://www.mysafersky.com/aircraft-registration/n173dz/" rel="noopener" target
=" blank">N173DZ</a>
01.01.2022Vueling<td class="column-
3">VY8306 / VLG1FPBarcelonaAmsterdam
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Barcelonab
ird strikeAirbus A320-271NEC-NAY</t
31.12.2021Flybondi<td class="column
-3">F05121 / FBZ5121PosadasBuenos Ai
resPosadas
cracked windshieldBoeing 737-838<a
href="https://www.mysafersky.com/aircraft-registration/lv-hkn/" rel="noopener" target
=" blank">LV-HKN</a>
31.12.2021Gol Linhas Aéreas<td clas
s="column-3">G31875 / GLO1875Juazeiro Do Norte<td class
="column-5">Sao PauloPetrolina<
td class="column-8">engine issueBoeing 737-8EH<td class
="column-10">PR-GXM
29.12.2021WestJet<td class="column-
3">WS3312 / WEN3312KelownaEdmonton</
td>Kelownapress
urisation issueDe Havilland Canada Dash 8-400<td class="c
olumn-10"><a href='https://www.mysafersky.com/aircraft-registration/c-gwue/"' target=" b
lank">C-GWUE</a>
28.12.2021Wizz Air<td class="column
-3">W64278 / WZZ1086BillundTuzla</td
>Belgradeunruly
passenger (may not be a reason for diversion) Airbus A320-232
HA-LPK
28.12.2021Air Caraïbes
lumn-3">TX527 / FWI27HSint MaartenPa
risSint Maarten7700<td class="c
olumn-8">engine issueAirbus A330-323olumn-1
0">F-ORLY
27.12.2021WestJet<td class="column-
3">WS656 / WJA656CalgaryToronto
Winnipegmedical
emergencyBoeing 737-8CTC-FUSM
27.12.2021Qatar Airways<td class="c
olumn-3">QR714 / QTR63MHoustonDoha</
td>Barcelonamed
ical emergencyAirbus A350-1041A7-AN
L
26.12.2021Azul Linhas Aereas<td cla
ss="column-3">AD9245 / AZU9245Cuiaba
ChapecoCuiaba
8">possible technical issueEmbraer E195AR<td class="colum
n-10"><a href='https://www.mysafersky.com/aircraft-registration/pr-auo/"' target=" blan
k">PR-AUO</a>
25.12.2021TAP Air Portugal<td class
="column-3">TP5 / TAP005LisbonNatal
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urity issueAirbus A321-251NX<a href
='https://www.mysafersky.com/aircraft-registration/cs-txa/"' target=" blank">CS-TXA</a>
24.12.2021United Airlines<td class
="column-3">UA794 / UAL794New YorkSa
n DiegoNew York
n-8">engine shut downBoeing 737-824
<a href='https://www.mysafersky.com/aircraft-registration/n78509/"' target=" blank">N785
09</a>
23.12.2021TAP Air Portugal<td class
="column-3">TP1689 / TAP1689LisbonFu
nchalLisbon
8">technical issueAirbus A330-941<a
href='https://www.mysafersky.com/aircraft-registration/cs-tud/"' target=" blank">CS-TUD
</a>
23.12.2021SriLankan Airlines<td cla
ss="column-3">UL606 / ALK606ColomboS
ydneyColombo
8">hydraulic issueAirbus A330-3434R
-ALQ
22.12.2021EasyJet<td class="column-
3">U27592 / EJU16TPNantesPorto<
td class="column-6">Bordeaux7700
>Airbus A319-111<a href="https://www.mys</pre>
afersky.com/aircraft-registration/oe-lkc/" rel="noopener" target=" blank">OE-LKC</a></td
22.12.2021Aeromexico<td class="colu
mn-3">AM22 / AMX022MadridMexico City
Shannonmed
ical emergencyBoeing 787-9 Dreamliner<td class="column-1"
0"><a href="https://www.mysafersky.com/aircraft-registration/N128AM/" rel="noopener" tar
get=" blank">N128AM</a>
22.12.2021Pakistan International Airline
s="column-5">JeddahMuscat<td cl
d class="column-10"><a href="https://www.mysafersky.com/aircraft-registration/ap-bgz/" r
el="noopener" target=" blank">AP-BGZ</a>
21.12.2021Summit Air
mn-3">SUT8225Thunder BayWaterloo</td
>Thunder Baypre
ssurisation issueAvro RJ100C-FRJY</
td>
21.12.2021Air New Zealand
="column-3">NZ1104 / ANZ1104SydneyAu
cklandSydney
8">engine issueBoeing 787-9 Dreamliner<td class="column-1"
0">ZK-NZN
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21.12.2021Belavia<td class="column-
3">B2755 / BRU755MinskTashkent<
td class="column-6">Minsktechnical i
ssueBoeing 737-308EW-254PA
20.12.2021Pobeda<td class="column-
3">DP6506 / PBD6506UfaMoscow<td
class="column-6">Kazanmedical emerg
encyBoeing 737-8MCVP-BQJ
20.12.2021Etihad
3">EY474 / ETD474Abu DhabiJakarta</t
d>Phuketmedical
emergencyBoeing 787-9 DreamlinerA6
-BLZ
19.12.2021Eastern Airlines<td class
="column-3">2D154 / EALMiamiMontevid
eoMiamifla
ps issueBoeing 767-336(ER)N705KW</t
d>
19.12.2021Aerolineas Argentinas<td</td>
class="column-3">AR1666 / ARG1666Buenos Aires<td class
="column-5">EsquelBuenos Aires7700</
td>passenger's cell phone battery caught fire<td class="column
-9">Boeing 737-8HXLV-FUA
18.12.2021Gol Linhas Aéreas<td clas
s="column-3">G31512 / GLO1512Sao PauloClass="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4">Class="column-4"
5">Joao PessoaSalvador<td class
="column-8">cargo smoke indicationBoeing 737-8EH<td class
="column-10">PR-GTC
18.12.2021United Airlines<td class
="column-3">UA3803 / AWI3803PensacolaPensacola
5">ChicagoSouth Bend<td class
="column-8">engine issueMitsubishi CRJ-200LR<td class="co
lumn-10">N455AW
18.12.2021Delta Air Lines<td class
="column-3">DL5609 / RPA5609New York
ColumbusDetroit<td class="colum
n-8">maintenanceEmbraer E175LRN235J
Q
18.12.2021Air CanadaAir CanadaAir CanadaAir CanadaAir CanadaAir CanadaAir Canada
mn-3">AC598 / ACA598VancouverSanta A
naLos Angeles
0">C-GUAC
18.12.2021American Airlines<td clas
s="column-3">AA6165 / PDT6165CharlotteCharlotteCharlotte
5">MobileCharlotte<td class="co
lumn-8">cracked windshieldEmbraer ERJ-145LR<td class="col
umn-10"><a href="https://www.mysafersky.com/aircraft-registration/n651ae/" rel="noopene"
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r" target=" blank">N651AE</a>
17.12.2021KLMK
L535 / KLM536EntebbeAmsterdam<t
d class="column-6">Entebbe7700engine
shut downAirbus A330-203<a href='h
ttps://www.mysafersky.com/aircraft-registration/ph-aoe/"' target=" blank">PH-AOE</a></td
17.12.2021Royal Air Maroc<td class
="column-3">AT2752 / RAM2752OujdaPar
isValencia
medical emergencyBoeing 737-8B6<a h
ref='https://www.mysafersky.com/aircraft-registration/cn-rgn/"' target=" blank">CN-RGN</
a>
17.12.2021Pakistan International Airline
sPK9753 / PIA9753Islamabad<td c
lass="column-5">RiyadhKarachi<t
d class="column-8">cracked cockpit windowBoeing 777-240(ER)
d><a href="https://www.mysafersky.com/aircraft-registration/ap-bh
x/" rel="noopener" target=" blank">AP-BHX</a>
16.12.2021Wizz Air<td class="column
-3">W64467 / WUK156LondonAthens
Stuttgart7700</
td>Airbus A321-231G-WUKK
15.12.2021Air Canada<td class="colu
mn-3">AC8399 / JZA399VancouverSandsp
itVancouver
8">engine issueDe Havilland Canada Dash 8-400<td class="c
olumn-10"><a href='https://www.mysafersky.com/aircraft-registration/c-ggoy/"' target=" b
lank">C-GGOY</a>
15.12.2021American Airlines<td clas
s="column-3">AA2596 / AAL2596DallasJ
acksonSalt Lake City<td class
="column-8">Airbus A319-115<a href
="https://www.mysafersky.com/aircraft-registration/n9012/" rel="noopener" target=" blan
k">N9012</a>
15.12.2021Ural Airlines<td class="c
olumn-3">U6272 / SVR272Yekaterinburg
MoscowNizhny Novgorod<td class
="column-8">medical emergencyAirbus A319-112<td class="co
lumn-10">VQ-BTY
15.12.2021Lufthansa<td class="colum
n-3">LH7 / DLH7FEHamburgFrankfurt</t
d>Hamburglandin
g gear issueAirbus A320-271ND-AIJD
14.12.2021/td>IndiGo
3">6E7265 / IGO7265RajahmundryTirupa
tiBengaluru
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8">technical issueATR 72-600VT-IYK
14.12.2021Binter Canarias<td class
="column-3">NT9301 / IBB93WETurinGra
n CanariaLanzarote<td class="co
lumn-8">cargo smoke indicationEmbraer E195-E2<td class="c
olumn-10"><a href="https://www.mysafersky.com/aircraft-registration/ec-nfa/" rel="noopen
er" target=" blank">EC-NFA</a>
13.12.2021Lion Air<td class="column
-3">JT145 / LNI145PadangBatam<t
d class="column-6">Padangpressurisat
ion issueBoeing 737-9GP(ER)PK-LQR</
td>
13.12.2021Caribbean Airlines
ss="column-3">BW483 / BWA483MiamiPor
t of SpainSan Juan<td class="co
lumn-8">medical emergencyBoeing 737-86Jtd>Boeing 737-86J
10">9Y-JME
13.12.2021JetBlue
3">B6583 / JBU583New YorkOrlando</td
>Philadelphia</
td>Airbus A321-271NX<a href="https://ww
w.mysafersky.com/aircraft-registration/n2038j/" rel="noopener" target=" blank">N2038J</a
>
12.12.2021Gol Linhas Aéreas<td clas
s="column-3">G31395 / GL01395Vitoria
Sao PauloVitoria<td class="colu
mn-8">technical issueBoeing 737-8EH
PR-GUZ
12.12.2021American Airlines<td clas
s="column-3">AA146 / AAL146New YorkT
el AvivAthens
8">unruly passengerBoeing 777-223(ER)<td class="column-1"
0"><a href="https://www.mysafersky.com/aircraft-registration/n760an/" rel="noopener" tar
get=" blank">N760AN</a>
12.12.2021Pakistan International Airline
sPK301 / PIA301Islamabad<td cla
ss="column-5">KarachiIslamabad<
td class="column-8">engine issueAirbus A320-214<td class
="column-10"><a href="https://www.mysafersky.com/aircraft-registration/ap-blb/" rel="noo
pener" target=" blank">AP-BLB</a>
11.12.2021United Airlines<td class
="column-3">UA1161 / UAL1161New York
Puerto VallartaHouston<td class
="column-8">weather radar issueBoeing 737-924(ER)<td clas
s="column-10"><a href="https://www.mysafersky.com/aircraft-registration/n38443/" rel="no
opener" target=" blank">N38443</a>
11.12.2021American Airlines<td clas
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s="column-3">AA2801 / AAL2801Los Angeles<td class="column
-5">CancunLos Angeles<td class
="column-8">Airbus A321-231N130AN
\pm d >
11.12.2021United Airlines<td class
="column-3">UA5324 / SKW5324Oklahoma City<td class="colum
n-5">ChicagoSt. Louis<td class
="column-8">medical emergencyEmbraer E175LR<td class="col
umn-10">N207SY
11.12.2021WestJet<td class="column-
3">WS1862 / WJA1862VancouverHonolulu
Vancouvere
ngine shut downBoeing 737 MAX 8C-GA
MQ
11.12.2021Air France<td class="colu
mn-3">AF1600 / AFR23UFParisMadrid</t
d>Bordeaux
Airbus A220-300F-HZUB
11.12.2021Nordwind Airlines<td clas
s="column-3">N4161 / NWS161MoscowKra
8">pressurisation issueBoeing 737-83N<td class="column-1"
0"><a href="https://www.mysafersky.com/aircraft-registration/vp-bpi/" rel="noopener" tar
get=" blank">VP-BPI</a>
11.12.2021SpiceJet<td class="column
-3">SG386 / SEJ386GorakhpurMumbai</t
d>Nagpurmedical
emergencyBoeing 737 MAX 8VT-MXK</t
d>
10.12.2021iAero Airways<td class="c
olumn-3">WQ452 / SWQ452Los AngelesMi
lwaukeeDenver
8">cracked windshieldBoeing 737</td
09.12.2021Alaska Airlines<td class
="column-3">AS2232 / QXE2232Portland
SpokanePortland
n-8">engine issueDe Havilland Canada Dash 8-400<td class
="column-10">N450QX
09.12.2021Turkish Airlines<td class
="column-3">TK7236 / THY7UKIstanbulS
amsunIstanbul
8">engine issueBoeing 737-8F2TC-JFT
09.12.2021Delta Air Lines<td class
="column-3">DL5500 / EDV5500Raleigh-DurhamRaleigh-Durham
mn-5">New YorkRaleigh-Durham
class="column-8">brakes issueMitsubishi CRJ-900LR<td cla
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ss="column-10">N936XJ
09.12.2021Delta Air Lines<td class
="column-3">DL342 / DAL342Washington
Los AngelesOklahoma City<td cla
ss="column-8">unruly passengerBoeing 757-2Q8<td class="co
lumn-10">N706TW
09.12.2021SpiceJet<td class="column
-3">SG467 / SEJ467MumbaiKolkata
Mumbaiengine is
sueBoeing 737 MAX 8VT-MXE
08.12.2021Air Canada<td class="colu
mn-3">AC466 / ACA466TorontoOttawa</t
d>Torontoodor i
n cockpitAirbus A220-300C-GUPL
08.12.2021Air Europa<td class="colu
mn-3">UX6060 / AEA6060Palma de Mallorca<td class="column-
5">BarcelonaPalma de Mallorca<t
d class="column-8">possible technical issueBoeing 737-85P
EC-LVR
08.12.2021Wizz Air<td class="column
-3">W63606 / WUK992LondonSuceava</td
>Wroclawtd><td
d class="column-9">Airbus A321-271NXG-WUKM
08.12.2021TUI Airways<td class="col
umn-3">BY186 / TOM186ManchesterPuert
o VallartaManchester7700<td cla
ss="column-8">landing gear issueBoeing 787-8 Dreamlinertd><t
d class="column-10"><a href="https://www.mysafersky.com/aircraft-registration/g-tuib/" r
el="noopener" target=" blank">G-TUIB</a>
07.12.2021Azul Linhas Aereas<td cla
ss="column-3">AD9169 / AZU9169Sao Jose Do Rio Preto<td cl
ass="column-5">Belo HorizonteSao Jose Do Rio Preto<td cla
ss="column-7">engine issueATR 72-600
<a href='https://www.mysafersky.com/aircraft-registration/4x-</pre>
eda/"' target=" blank">4X-EDA</a>
07.12.2021American Airlines<td clas
s="column-3">AA2854 / AAL2854 Des Moines Column-4">Des Moines Des Moines 
5">CharlotteDes Moines<td class
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0"><a href="https://www.mysafersky.com/aircraft-registration/n808aw/" rel="noopener" tar
get=" blank">N808AW</a>
06.12.2021WestJet
3">WS1590 / WJA1590CalgaryAtlanta</t
d>Calgarymedica
l emergencyBoeing 737 MAX 8C-GXAX
td>
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05.12.2021WestJet<td class="column-
3">WS3406 / WEN3406TorontoFredericto
nToronto</
td>De Havilland Canada Dash 8-400<a href
="https://www.mysafersky.com/aircraft-registration/c-feno/" rel="noopener" target=" blan
k">C-FENO</a>
05.12.2021Air Canada<td class="colu
mn-3">AC8936 / JZA936Thunder BayToro
ntoMontreal
8">airspeed issueDe Havilland Canada Dash 8-400<td class
="column-10">C-GGMI
05.12.2021Southwest Airlines<td cla
ss="column-3">WN224 / SWA224San Jose
DallasAlbuquerque<td class="col
umn-8">Boeing 737 MAX 8N8807L
05.12.2021Alaska Airlines<td class
="column-3">AS792 / ASA792SeattleDet
roitSeattle
8">Boeing 737-990N302AS
05.12.2021Condor<td class="column-
3">DE1462 / CFG5PFLeipzigGran Canari
aFrankfurt7700<td class="column
-8">smoke in cockpitAirbus A321-211
D-AIAF
05.12.2021British Airways
="column-3">BA2798 / BAW2798LondonSe
villeLondon
8">Airbus A320-232G-EUUM
04.12.2021Eurowings<td class="colum
n-3">EW9552 / EWG9552DusseldorfFuert
eventuraDusseldorf<td class="co
lumn-8">engine issueAirbus A320-214
D-ABNN
04.12.2021American Airlines<td clas
s="column-3">AA1845 / AAL1845West Palm Beach<td class="co
lumn-5">CharlotteOrlando<td cla
ss="column-8">possible mechanical issueBoeing 737-823<td
class="column-10">N815NN
04.12.2021United Airlines<td class
="column-3">UA3678 / RPA3678Key West
WashingtonMiami7700<td class="c
olumn-8">Embraer E170SEN654RW
04.12.2021Air India<td class="colum
n-3">AI105 / AIC105DelhiNew York</td
>Delhimedical e
mergencyBoeing 777-337(ER)VT-ALT</t
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04.12.2021Kuwait Airways<td class
="column-3">KU117 / KAC117Kuwait City<td class="column-
5">New YorkLondon7700<td class
="column-8">medical emergencyBoeing 777-369(ER)<td class
="column-10">9K-AOH
03.12.2021Qatar Airways<td class="c
olumn-3">QR817 / QTR817Hong KongDoha
Karachieng
ine issueAirbus A350-941A7-ALH
03.12.2021Alaska Airlines<td class
="column-3">AS809 / AS809PortlandKa
huluiSeattle
8">mechanical issueBoeing 737-890N5
97AS
02.12.2021Gol Linhas Aéreas<td clas
s="column-3">G32090 / GL02090Rio de Janeiro<td class="col
umn-5">SalvadorRio de Janeiro<t
d class="column-8">engine issueBoeing 737-76N<td class="c
olumn-10">PR-GEH
02.12.2021Frontier Airlines<td clas
s="column-3">F92074 / FFT2074Las Vegas<td class="column-
5">San AntonioEl Paso<td class
="column-8">medical emergency and fumes on boardAirbus A321-21
1N718FR
02.12.2021S7 Airlines<td class="col
umn-3">S75220 / SBI5220MagadanNovosi
birskIrkutsk
8">airspeed issueAirbus A321-271N<a
href="https://www.mysafersky.com/aircraft-registration/vq-bgu/" rel="noopener" target
=" blank">VQ-BGU</a>
01.12.2021Azul Linhas Aereas^{2}
ss="column-3">AD2663 / AZU2663Belo Horizonte<td class="co
lumn-5">UberabaBelo Horizonte<t
d class="column-8">engine issueATR 72-600<td class="colum
n-10"><a href='https://www.mysafersky.com/aircraft-registration/pr-aqp/"' target=" blan
k">PR-AQP</a>
01.12.2021United Airlines<td class
="column-3">UA4602 / GJS4602St. Louis<td class="column-
5">New YorkColumbus<td class="c
olumn-8">engine shut downMitsubishi CRJ-550<td class="col
umn-10">N523GJ
01.12.2021United Airlines<td class
="column-3">UA47 / UAL47FrankfurtHou
stonGander
Boeing 777-224(ER)N78017
01.12.2021KLMK
L1715 / KLM87YAmsterdamPorto<td
```

```
class="column-6">Nantes7700td
class="column-9">Embraer E195-E2<a href="https://www.mysafer
sky.com/aircraft-registration/ph-nxd/" rel="noopener" target=" blank">PH-NXD</a>
30.11.2021British Airways<td class
="column-3">BA268 / BAW268Los Angeles<td class="column-
5">LondonToronto<td class="colu
mn-8">Boeing 777-336(ER)<a href="ht
tps://www.mysafersky.com/aircraft-registration/q-stbk/" rel="noopener" target=" blank">G
-STBK</a>
29.11.2021LATAM Airlines<td class
="column-3">LA3090 / TAM3090Porto Alegre<td class="column
-5">BrasiliaPorto Alegre<td cla
ss="column-8">engine issueAirbus A321-231<td class="colum
n-10">PT-MXM
29.11.2021LOTL
03923 / LOT3923WarsawKrakow<td
class="column-6">Warsawtechnical is
sueBoeing 737-86NSP-LWF
29.11.2021Brussels Airlines<td clas
s="column-3">SN277 / BEL277BrusselsA
ccraBrussels
8">medical emergencyAirbus A330-343
00-SFF
29.11.2021Air Canada<td class="colu
mn-3">AC8767 / JZA767San DiegoVancou
verLos Angeles<td class="column
-8">fuel and engine issueMitsubishi CRJ-900LR<td class="c
olumn-10">C-GJZV
29.11.2021Southwest Airlines<td cla
ss="column-3">WN1644 / SWA1644Orlando<td class="column-
5">IndianapolisAtlanta<td class
= "column-8" >   Boeing 737-7H4   N941WN   N941WN   N941WN   N941WN   N941WN   N941WN  
29.11.2021Aer Lingus<td class="colu
mn-3">EI123 / EIN123DublinChicago</t
d>Goose Bay</td
>Airbus A330-302EI-EIN
28.11.2021EasyJet
3">U29816 / EZY9816JerseyGlasgow</td
>Bristol7700pre
ssurisation issueAirbus A320-214G-E
ZUK
27.11.2021Delta Air Lines
="column-3">DL201 / DAL201JohannesburgJohannesburg
5">AtlantaBoston<td class="colu
mn-8">"technical specifications"Airbus A350-941<td class
="column-10">N514DN
```

```
27.11.2021Delta Air Lines
="column-3">DL31 / DAL31LondonAtlant
aHalifax</
td>Airbus A330-323<a href="https://www.m
ysafersky.com/aircraft-registration/n805nw/" rel="noopener" target=" blank">N805NW</a></
27.11.2021Go First
-3">G8873 / GOW873BengaluruPatna</td
>Nagpurpossible
engine issueAirbus A320-271NVT-WGA
27.11.2021Air FranceAir FranceAir France
mn-3">AF351 / AFR351TorontoParis</td
>Halifaxtd><td
d class="column-9">Airbus A350-941F-HTYJ
26.11.2021EasyJet
3">U21357 / EZS1357GenevaAmsterdam</
td>Genevaodor o
n boardAirbus A319-111HB-JYK
26.11.2021American Airlines<td clas
s="column-3">AA5597 / JIA5597Washington □ Ronald Reagan<t
d class="column-5">TallahasseeWashington \square Dulles
s="column-7">Mitsubishi CRJ-702ER</t
d>N531EG
26.11.2021TAP Air Portugal<td class
="column-3">TP213 / TAP213APortoNew
YorkLajes
Airbus A330-941CS-TUF
25.11.2021Corsair<td class="column-
3">SS926 / CRL926ParisPointe-a-Pitre
Brest7700s
moke on boardAirbus A330-343F-HROK
24.11.2021EasyJet<td class="column-
3">U21885 / EZY76AGManchesterHurghad
aAthens
d>Airbus A320-251N<a href="https://www.m
ysafersky.com/aircraft-registration/g-uzlm/" rel="noopener" target=" blank">G-UZLM</a></
24.11.2021Alaska Airlines
="column-3">AS297 / ASA297PortlandSa
n FranciscoPortland<td class="c
olumn-8">engine issueAirbus A320-214airbus A320-214
0">N851VA
23.11.2021Air France
mn-3">AF762 / AFR762ParisPointe-a-Pi
treParis77007700
```

```
8">Boeing 777-328(ER)<a href="http
s://www.mysafersky.com/aircraft-registration/F-GSQO/" rel="noopener" target=" blank">F-G
SQO</a>
23.11.2021United Airlines<td class
="column-3">UA3651 / RPA3651PittsburghPittsburgh
5">ChicagoPittsburgh7700<td cla
ss="column-8">Embraer E170SEN642RW
22.11.2021JetBlue<td class="column-
3">B61261 / JBU1261New YorkBridgetow
nSan Juan
Airbus A321-231N950JT
22.11.2021UTAir<td class="column-
 3">\mathtt{UT677} \ / \ \mathtt{UTA677}</\mathtt{td}><\mathtt{td} \ \mathtt{class="column-4"}>\mathtt{Ufa}</\mathtt{td}><\mathtt{td} \ \mathtt{class="column-5"}>\mathtt{Kogalym}</\mathtt{td}><\mathtt{td} 
class="column-6">Ufapressurisation
issueBoeing 737-524<a href="http
s://www.mysafersky.com/aircraft-registration/vp-bxy/" rel="noopener" target=" blank">VP-
BXY</a>
22.11.2021Vistara<td class="column-
3">UK807 / VTI807DelhiBengaluru
Indoremedical e
mergencyAirbus A320-251NVT-TQA
<\!\!\!\text{td class="column-1">} 22.11.2021<\!/\!\!\!\text{td}\!\!>\!\!\!\text{td class="column-2">} Binter Canarias<\!/\!\!\!\text{td}\!\!>\!\!\!<\!\!\!\text{td}
="column-3">NT9401 / IBB29ERVeniceGr
an CanariaBarcelona<td class="c
olumn-8">medical emergencyEmbraer E195-E2<td class="colum
n-10">EC-NFA
22.11.2021British Airways<td class
="column-3">BA401 / BAW401CairoLondo
nBelgrade
Airbus A321-251NXG-NEOS
21.11.2021Lufthansa<td class="colum
n-3">LH456 / DLH456FrankfurtLos Ange
lesDenver
Boeing 747-830D-ABYR
20.11.2021Turkish Airlines<td class
="column-3">TK1 / THY1IstanbulNew Yo
rkShannonm
edical emergencyBoeing 777-3F2(ER)T
C-JJS
19.11.2021Oman Air<td class="column
-3">WY144 / OMA144MilanMuscat<t
d class="column-6">Al Najaf
class="column-9">Boeing 787-9 DreamlinerA40-SC
19.11.2021Air Canada<td class="colu
mn-3">AC897 / ACA897AthensToronto</t
```

```
d>Shannonmedica
1 emergencyBoeing 787-8 Dreamliner<
a href="https://www.mysafersky.com/aircraft-registration/c-qhpt/" rel="noopener" target
=" blank">C-GHPT</a>
19.11.2021Brussels Airlines<td clas
s="column-3">SN501 / BEL1CPBrusselsN
ew YorkDublin
8">engine issueAirbus A330-343<a hr
ef="https://www.mysafersky.com/aircraft-registration/oo-sfg//" rel="noopener" target=" b
lank">00-SFG</a>
19.11.2021American Airlines<td clas
s="column-3">AA400 / AAL400Washington □ Ronald Reagan<td
class="column-5">CharlotteWashington □ Dulles<td class
="column-7">mechanical issueAirbus A
319-132N836AW
19.11.2021Spirit Airlines<td class
="column-3">NK967 / NKS967ClevelandF
ort MyersCleveland<td class="co
lumn-8">Airbus A320-232N602NK
18.11.2021Air Canada<td class="colu
mn-3">AC45 / ACA45DelhiVancouver</td
>Delhitd
class="column-9">Boeing 787-9 DreamlinerC-FRTU
17.11.2021American Airlines<td clas
s="column-3">AA3829 / ENY3829GreensboroGreensboroGreensboro
5">ChicagoIndianapolis<td class
="column-8">mechanical issueEmbraer ERJ-145LR<td class="c
olumn-10"><a href="https://www.mysafersky.com/aircraft-registration/n613ae/" rel="noopen
er" target=" blank">N613AE</a>
17.11.2021United Airlines
="column-3">UA4422 / GJS4422New York
RochesterNew York<td class="col
umn-8">Mitsubishi CRJ-550N538GJ</td
17.11.2021United Airlines<td class
="column-3">UA5184 / SKW5184ChicagoM
ason CitWaterloo<td class="colu
mn-8">engine issueMitsubishi CRJ-200LR<td class="column-1"
0">N221PS
17.11.2021American Airlines<td clas
s="column-3">AA2813 / AAL2813New YorkNew York
5">AustinPittsburgh7700<td clas
s="column-8">odor in cockpitBoeing 737-823<td class="colu
mn-10"><a href="https://www.mysafersky.com/aircraft-registration/n976nn/" rel="noopener"
target=" blank">N976NN</a>
16.11.2021LATAM Airlines<td class
="column-3">LA3090 / TAM3090Porto Alegre
-5">BrasiliaPorto Alegre<td cla
```

```
ss="column-8">bird strikeAirbus A321-211<td class="column
-10">PT-XPC
16.11.2021United Airlines
="column-3">UA3542 / RPA3542ChicagoN
orfolkRoanoke7700<td class="col
umn-8">technical issueEmbraer E170SE<td class="column-1"
0">N646RW
16.11.2021S7 Airlines<td class="col
umn-3">S72616 / SBI2616TomskMoscow
td>Novosibirskf
laps issueBoeing 737-83NVP-BNG
16.11.2021Air India<td class="colum
n-3">AI127 / AIC127DelhiChicago
Oslomedical eme
rgencyBoeing 777-337(ER)VT-ALS
15.11.2021Aeromexico<td class="colu
mn-3">AM789 / AMX789SacramentoGuadal
ajaraSacramento
n-8">bird strikeBoeing 737-852XA-AM
B
14.11.2021Spirit Airlines<td class
="column-3">NK135 / NKS135Minneapolis<td class="column-
5">OrlandoMinneapolis<td class
="column-8">engine issueAirbus A320-271N<td class="column
-10"><a href="https://www.mysafersky.com/aircraft-registration/N922NK/" rel="noopener" t
arget=" blank">N922NK</a>
14.11.2021Ryanair<td class="column-
3">FR1344 / RYR89VYShannonLanzarote
Shannonmed
ical emergencyBoeing 737-8AS<a href
="https://www.mysafersky.com/aircraft-registration/ei-efj/" rel="noopener" target=" blan
k">EI-EFJ</a>
13.11.2021American Airlines<td clas
s="column-3">AA146 / AAL146New YorkT
el AvivParis7700<td class="colu
mn-8">Boeing 777-223(ER)<a href="ht
tps://www.mysafersky.com/aircraft-registration/n779an/" rel="noopener" target=" blank">N
779AN</a>
12.11.2021Voyageur Airways<td class
="column-3">VC200 / VAL200North BayM
uskokaNorth Bay<td class="colum
n-8">engine shut downMitsubishi CRJ-200ER<td class="colum
n-10">C-GIXT
12.11.2021Delta Air Lines<td class
="column-3">DL2085 / DAL2085Minneapolis<td class="column-
5">PhoenixMinneapolis<td class
="column-8">Airbus A321-211N377DN</
td>
```

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12.11.2021LOTL
03 / LOT3TWarsawChicago<td clas
s="column-6">Goose Bay<td class
="column-9">Boeing 787-9 DreamlinerSP-LSF
11.11.2021United Airlines
="column-3">UA4488 / GJS4488New York
WashingtonNew York<td class="co
lumn-8">flight control issueMitsubishi CRJ-550<td class
="column-10">N535GJ
11.11.2021Gazpromavia<td class="col
umn-3">4G292 / GZP292NoyabrskMoscow
Nadymair c
onditioning issueSukhoi Superjet 100-95LR<td class="colum
n-10">RA-89031
11.11.2021Air India<td class="colum
n-3">AI148 / AIC148LondonHyderabad</
td>Ankarafuel 1
eakBoeing 787-8 Dreamliner<a href
="https://www.mysafersky.com/aircraft-registration/vt-anb/" rel="noopener" target=" blan
k">VT-ANB</a>
11.11.2021American Airlines<td clas
s="column-3">AA4210 / ENY4210AlexandriaAlexandria
5">DallasLongview7700<td class
="column-8">possible mechanical issueEmbraer ERJ-145LR<td
class="column-10">N667GB
10.11.2021Lufthansa<td class="colum
n-3">LH143 / DLH6NCNurembergFrankfur
tNuremberg
bird strikeAirbus A319-114D-AILM</t
10.11.2021Air India<td class="colum
n-3">AI754 / AIC754SilcharKolkata</t
d>Silcharlandin
q gear issueAirbus A319-112VT-SCB</
td>
10.11.2021LATAM Airlines<td class
="column-3">LA3511 / TAM3511FlorianopolisFlorianopolis
n-5">Sao PauloFlorianopolis<td
class="column-8">pressurisation issueAirbus A321-231<td
class="column-10">PT-MXE
09.11.2021United Airlines<td class
="column-3">UA4408 / GJS4408Washington<td class="column-
5">New YorkWashington<td class
="column-8">mechanical issueMitsubishi CRJ-550<td class
="column-10">N545GJ
09.11.2021United Airlines<td class
```

```
="column-3">UA957 / UAL957GenevaNew
YorkDublin
8">possible fuel (system) issueBoeing 767-322(ER)<td clas
s="column-10"><a href="https://www.mysafersky.com/aircraft-registration/n652ua/" rel="no
opener" target=" blank">N652UA</a>
09.11.2021Air India<td class="colum
n-3">AI127 / AIC127DelhiChicago
Stockholmmedica
l emergencyBoeing 777-337(ER)VT-ALQ
08.11.2021Air Canada<td class="colu
mn-3">AC720 / ACA720TorontoNew York
- LaGuardiaNew York □ Newark<t
d class="column-8">engine issueAirbus A220-300<td class
="column-10">C-GNBE
08.11.2021Air France<td class="colu
mn-3">AF610K / AFR610KParisNantes</t
d>Paris7700pres
surisation issueAirbus A220-300F-HZ
UC
08.11.2021Allegiant Air<td class="c
olumn-3">G42471 / AAY2471OrlandoPlat
tsburghOrlando<td class="column
-8">bird strikeAirbus A320-214N217N
V
08.11.2021Vueling
3">VY6246 / VLG6246BarcelonaZurich</
td>Barcelonabir
d strikeAirbus A320-232EC-MGE
07.11.2021Vueling
3">VY7108 / VLG99CHSantiagoLondon</t
d>Santiagoengin
e issueAirbus A320-232EC-LVT
07.11.2021Amelia International
lass="column-3">AF7604 / AFR19RAParis<td class="column-
5">AurillacToulouse<td class="c
olumn-8">possible landing gear issueATR 42-500<td class
="column-10">F-HLIA
<\!td\ class="column-1">07.11.2021<td\ class="column-2">Delta\ Air\ Lines<td\ class="column-2">Delta\ Air\ Lines<math display="block">\!td>\!td
="column-3">DL3622 / SKW3622SeattleP
ortlandSeattle<td class="column
-8">bird strikeEmbraer E175LRN262SY
07.11.2021Swiss<td class="column-
3">LX339 / SWR339LondonZurich<t
d class="column-6">Londonsmell in co
ckpitAirbus A220-100HB-JBD
```

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07.11.2021Azul Linhas Aéreas<td cla
ss="column-3">AD2420 / AZU2420Campinas<td class="column-
5">JericoacoaraCampinas<td clas
s="column-8">pressurisation issueAirbus A320-251N<td clas
s="column-10">PR-YYI
06.11.2021Eurowings<td class="colum
n-3">EW5110 / EWG5BGCologneHurghada
<\!\!/td\!\!>\!\!<\!\!td\ class="column-6"\!>\!\!Klagenfurt<\!\!/td\!\!>\!\!<\!\!td\ class="column-7"\!><\!\!/td\!>\!<\!\!td\ class="column-8"\!>
medical emergencyAirbus A320-214D-A
EWK
06.11.2021Air BalticAir Baltic
mn-3">BT879 / BTI8ZFTallinnMalaga</t
d>Tallinnlightn
ing strikeAirbus A220-300YL-CSE</td
06.11.2021TUI Airways<td class="col
umn-3">BY2662 / TOM37MManchesterFuer
teventuraManchester<td class="c
olumn-8">Boeing 737-8K5<a href="htt
ps://www.mysafersky.com/aircraft-registration/g-fdzs/" rel="noopener" target=" blank">G-
FDZS</a>
05.11.2021S7 Airlines<td class="col
umn-3">S72103 / SBI2103MoscowAnapa</
td>Rostov-on-Don
8">medical emergencyAirbus A320-214
VO-BRC
05.11.2021Air Arabia Maroc<td class
="column-3">30437 / MAC437Casablanca
IstanbulPalma de Mallorca<td cl
ass="column-8">alleged medical emergencyAirbus A320-214<t
d class="column-10">CN-NMG
05.11.2021TUI fly Netherlands<td cl
ass="column-3">OR611 / TFL611GroningenGroningen
5">Gran CanariaFaro<td class="c
olumn-8">Boeing 737 MAX 8PH-TFP
05.11.2021Vistara<td class="column-
3">UK992 / VTI992PuneDelhi<td c
lass="column-6">Mumbaitechnical issu
eAirbus A320-232VT-TTM
04.11.2021Allegiant Air<td class="c
olumn-3">G42254 / AAY2254OrlandoTrav
erse CityOrlando<td class="colu
mn-8">possible engine issueAirbus A319-112<td class="colu
mn-10"><a href="https://www.mysafersky.com/aircraft-registration/n307nv/" rel="noopener"
target=" blank">N307NV</a>
04.11.2021Azul Linhas Aéreas<td cla
```

```
ss="column-3">AD4327 / AZU4327Goiani
CampinasBrasilia<td class="colu
mn-8">technical issueEmbraer E195-E2technical issue
0">PS-AEF
02.11.2021United Airlines<td class
="column-3">UA818 / UAL818Buenos Aires<td class="column-
5">HoustonBuenos Aires
="column-8">pressurisation issueBoeing 787-9 Dreamlinertd><t
d class="column-10"><a href="https://www.mysafersky.com/aircraft-registration/n36962/" r
el="noopener" target=" blank">N36962</a>
01.11.2021Delta Air Lines<td class
="column-3">DL9962 / DAL9962AtlantaK
ey WestAtlanta<td class="column
-8">airspeed issueAirbus A319-114N3
64NB
01.11.2021Delta Air Lines<td class
="column-3">DL365 / DAL365AtlantaLos
AngelesDallas<td class="column
-8">disruptive passengerAirbus A321-211<td class="column-
10">N390DN
3">LY82 / ELY082BangkokTel Aviv
Goapossible fue
1 (system) issueBoeing 787-9 Dreamliner<td class="column-
10"><a href="https://www.mysafersky.com/aircraft-registration/4x-eda/" rel="noopener" ta
rget=" blank">4X-EDA</a>
```

In [18]: #Load the data table to a dataframe flight diverted table = pd.read html

flight_diverted_table = pd.read_html(str(flight_diverted_table))
flight diverted df = flight diverted table[0]

flight diverted df

Out[18]:

	Date	Airlines/Operator	Flight number	Departure airport	Destination airport	Diverted to	Emergency code	Alleged reason	Airc
0	20.07.2022	Go First	G8151 / GOW151	Delhi	Guwahati	Jaipur	NaN	cracked windshield	Aii A3 2
1	20.07.2022	Wizz Air	W65058 / WZZ101S	Bari	Krakow	Budapest	NaN	bomb threat	Aii A3 27
2	19.07.2022	Go First	G8386 / GOW386	Mumbai	Leh	Delhi	NaN	engine issue	Aii A3 2
3	19.07.2022	Go First	G86202 / GOW6202	Srinagar	Delhi	Srinagar	NaN	engine issue	Aii A3 2
4	19.07.2022	LOT	LO6297 / LOT6297	Prague	Zanzibar	Warsaw	NaN	brakes issue	Boe 78 Dreaml
•••									

679	04.11.2021	Azul Linhas Aéreas	AD4327 / AZU4327	Goiani	Campinas	Brasilia	NaN	technical issue	Emb E19!
680	02.11.2021	United Airlines	UA818 / UAL818	Buenos Aires	Houston	Buenos Aires	NaN	pressurisation issue	Boo 78 Dreaml
681	01.11.2021	Delta Air Lines	DL9962 / DAL9962	Atlanta	Key West	Atlanta	NaN	airspeed issue	Aiı A319-
682	01.11.2021	Delta Air Lines	DL365 / DAL365	Atlanta	Los Angeles	Dallas	NaN	disruptive passenger	Aiı A321-
683	01.11.2021	El Al	LY82 / ELY082	Bangkok	Tel Aviv	Goa	NaN	possible fuel (system) issue	Boe 78 Dreaml

684 rows × 10 columns

Ou-

Another way of reading html data without having to parse it #Read Diverted data from "https://www.diverted.eu/" into a dataframe url = 'https://www.diverted.eu/' df = pd.read_html(url) data = df[0]

Data Transformation

String to Date conversion

```
In [19]: flight_diverted_df.Date.dtype
Out[19]: dtype('O')
```

Flight date is formatted as a string (Pandas type 'O' is a string).

```
In [20]: #Format Flight date from string to Date
    flight_diverted_df.Date = pd.to_datetime(flight_diverted_df["Date"], format='%d.%m.%Y')
    flight_diverted_df.head(5)
```

ut[20]:		Date	Airlines/Operator	Flight number	Departure airport	Destination airport	Diverted to	Emergency code	Alleged reason	Aircraft	Regi
	0	2022- 07-20	Go First	G8151 / GOW151	Delhi	Guwahati	Jaipur	NaN	cracked windshield	Airbus A320- 271N	
	1	2022- 07-20	Wizz Air	W65058 / WZZ101S	Bari	Krakow	Budapest	NaN	bomb threat	Airbus A321- 271NX	
	2	2022- 07-19	Go First	G8386 / GOW386	Mumbai	Leh	Delhi	NaN	engine issue	Airbus A320- 271N	1
	3	2022- 07-19	Go First	G86202 / GOW6202	Srinagar	Delhi	Srinagar	NaN	engine issue	Airbus A320- 271N	
	4	2022- 07-19	LOT	LO6297 / LOT6297	Prague	Zanzibar	Warsaw	NaN	brakes issue	Boeing 787-9 Dreamliner	

Filter Flights by Date

```
In [21]: diverted_df = flight_diverted_df[(flight_diverted_df.Date >= '2022-05-01') & (flight_div
diverted_df.head(5)
```

Out[21]:		Date	Airlines/Operator	Flight number	Departure airport	Destination airport	Diverted to	Emergency code	Alleged reason	Aircraft	Re
	147	2022- 05-31	Virgin Australia	VA9223 / VOZ9223	Perth	Boolgeeda	Perth	NaN	hydraulic issue	Airbus A320- 232	
	148	2022- 05-31	Aer Lingus	EI3326 / EAI26MH	Dublin	Manchester	Dublin	7700.0	technical issue	ATR 72- 600	
	149	2022- 05-30	American Airlines	AA720 / AAL720	Charlotte	Rome	Charlotte	NaN	maintenance issue	Boeing 777- 223(ER)	
	150	2022- 05-29	Swiss	LX340 / SWR340V	Zurich	London	Zurich	NaN	odor in cockpit	Airbus A220- 100	
	151	2022- 05-29	Qantas	QF2008 / QLK8D	Sydney	Tamworth	Sydney	NaN	hydraulic issue	De Havilland Canada Dash 8- 400	

Repalce Headers

```
#Columns before renaming
In [22]:
         diverted df.columns
        Index(['Date', 'Airlines/Operator', 'Flight number', 'Departure airport',
Out[22]:
                'Destination airport', 'Diverted to', 'Emergency code',
                'Alleged reason', 'Aircraft', 'Registration'],
              dtype='object')
        #Renaming columns
In [23]:
         diverted df.columns = ['FL DATE', 'OP UNIQUE CARRIER', 'FL NUM', 'ORIGIN', 'DEST', 'DIVE
        #Columns after renaming
In [24]:
         diverted df.columns
         Index(['FL DATE', 'OP UNIQUE CARRIER', 'FL NUM', 'ORIGIN', 'DEST',
Out[24]:
                'DIVERTED TO', 'EMERGENCY CODE', 'DIVERTED REASON', 'AIRCRAFT',
                'AIRCRAFT REGISTRATION'],
              dtype='object')
```

Drop rows

Drop null rows, if any

```
In [25]: print('Data before dropping null rows : ',diverted_df.shape)
    diverted_df.dropna()
    print('Data after dropping null rows : ', diverted_df.shape)

Data before dropping null rows : (87, 10)
Data after dropping null rows : (87, 10)
```

Drop duplicates, if any

```
In [26]: print('Dataframe before dropping duplicates :', diverted_df.shape)
    diverted_df = diverted_df.drop_duplicates()
    print('Dataframe after dropping duplicates :', diverted_df.shape)
#No duplicates in the website data table

Dataframe before dropping duplicates : (87, 10)
Dataframe after dropping duplicates : (87, 10)
```

Update rows

Look for rows with inconsistent reason for diversion

```
In [27]: diverted_df.groupby(['DIVERTED_REASON'])['DIVERTED REASON'].count()
        DIVERTED REASON
Out[27]:
        air conditioning issue
                                       1
        bird strike
        bomb threat
                                       1
        brakes issue
                                       1
        cracked windshield
        disruptive passenger
        engine issue
        hydraulic issue
        landing gear issue
        maintenance issue
                                       1
                                   14
        medical emergency
                                      1
        odor in cockpit
        odor on board
        operational reasons
        possible landing gear issue
        possible medical emergency possible technical issue pressurisation issue
                                      2
        pressurisation issue
        smell on board
        smoke indication
        smoke on board
                                       1
        technical issue
        weather radar issue
                                       1
        winglet issue
                                        1
        "rostering error"
        Name: DIVERTED REASON, dtype: int64
```

Rostering error has unwanted quotes. Removing them for consistency.

```
In [28]: diverted df.loc[diverted df.DIVERTED REASON == '"rostering error"', 'DIVERTED REASON']
In [29]: #Validate data after update
        diverted df.groupby(['DIVERTED REASON'])['DIVERTED REASON'].count()
        DIVERTED REASON
Out[29]:
        air conditioning issue
                                      1
        bird strike
                                        1
        bomb threat
        brakes issue
                                       1
        cracked windshield
                                       1
        disruptive passenger
                                       5
        engine issue
        hydraulic issue
                                        3
        landing gear issue
        maintenance issue
                                        1
```

```
14
medical emergency
odor in cockpit
                               1
odor on board
operational reasons
possible landing gear issue 1 possible medical emergency 1
possible technical issue
pressurisation issue
rostering error
                               1
smell on board
smoke indication
smoke on board
weather radar issue
technical issue
winglet issue
Name: DIVERTED REASON, dtype: int64
```

Fill NA/NaN values

Ethical implications:

Website Data - The data source of the flat file is genuine and reliable (Bureau of Transportation). However, the website may not hold accurate information because it is not government or FAA authorized source. The webiste does not mention the source of data, making the accuracy and legality of data questionable. The website also states the same in the disclaimer. However, on running a high level search for a couple of diverted flight information, we are able to confirm the accuracy of the data.

Conclusion:

As a part of this milestone, the following Data Transformation steps have been performed.

- 1. Data Type conversion
- 2. Renamed columns
- 3. Replaced values in a dataframe column
- 4. Filtered data
- 5. Filled NA/NAN values
- 6. Performed checks for duplicates and null rows

Milestone 4 - Connecting to an API/Pulling in the Data and Cleaning/Formatting

Data from the flat file has cancellations and delays due to weather. The API gets the historic weather data for a location (origin or destination city name). This will enable us to validate if

there truly was a bad weather situation for a flight to be delayed or cancelled. With this, we can also identify the cause of bad weather like storms, snow, wind, etc.

```
#Working with weather delays. Creating a dataframe with only weather delays.
In [323...
          weather delay df = flight data df[flight data df.DELAY REASON=='Weather']
          print(weather delay df.shape)
          weather delay df.head(5)
          (4152, 35)
                YEAR QUARTER MONTH DAY_OF_MONTH DAY_OF_WEEK FL_DATE MKT_UNIQUE_CARRIER OP_UNIQUE
Out[323]:
                                                                   5/1/2022
                                    5
                                                                 7 12:00:00
            87
                2022
                                                                                            AA
                                                                        AM
                                                                   5/1/2022
           191
                2022
                            2
                                     5
                                                    1
                                                                 7 12:00:00
                                                                                            AA
                                                                   5/1/2022
           227
                2022
                                     5
                                                    1
                                                                 7 12:00:00
                                                                                            AA
                                                                       AM
                                                                   5/1/2022
          1962 2022
                            2
                                    5
                                                    1
                                                                 7 12:00:00
                                                                                            AA
                                                                       AM
```

5 rows × 35 columns

2000 2022

Function to make the API call to get historic weather data based on flight time and origin.

1

5

5/1/2022

AM

AA

7 12:00:00

```
def get historic geo data by zip(startDateTime, originCityName, endDateTime):
In [306...
             #url = 'https://visual-crossing-weather.p.rapidapi.com/history?'
             #API key Request Headers
             headers = {"X-RapidAPI-Key": "046c439acamshd081e11265aa749p15f219jsn1275dc460233",
                        "X-RapidAPI-Host": "visual-crossing-weather.p.rapidapi.com"}
             #URL
             geocode request url = "https://visual-crossing-weather.p.rapidapi.com/history?"
             #Request Parameters
             parms = {'startDateTime': startDateTime, 'aggregateHours': 24, 'location': originCit
                      'endDateTime': endDateTime, 'unitGroup': 'us'}
             try:
                 #API call to get the weather data at the scheduled time of flight.
                 response = requests.get(geocode request url, params=parms, headers=headers)
             except requests.exceptions.RequestException as e: # This is the correct syntax
                 print('There was an error in the API call : ', e)
             except requests.exceptions.Timeout as t:
                 print('The API call timedout. Please retry.')
             return response
```

Data Transformation

1. Data manipulation using regular expressions to convert response text into a list of keys and values

2. Data transformation to parse the list of keys and values to form a dictionary (key-value pair)

```
#Function to process the API response
In [325...
         def process_api_data(response, index):
            try:
                 if response.status code==200: #OK
                     try:
                          # The API response is not a formatted JSON. Parsing through the text to
                         json data = response.text.splitlines()
                         if len(json data) <= 2: #We only expect a list of keys and values. Ideal
                             keys = (re.split(',', json data[0]))
                             # replace ', ' by | to be able to split the strings correctly for ke
                             values = (json data[1].replace(', ','|').replace('"', '')).split(','
                             #print(len(keys), len(values))
                             if len(keys) == len(values): #Converting to dict only when keys and
                                 for i in range(len(keys)):
                                     historic weather data[keys[i]] = values[i]
                             else:
                                 print("Key value pair counts don't match")
                     except RuntimeError as ex:
                         print('There was an error in processing the API response : ', ex)
                 elif response.status code==404:
                     print("Requested historic weather data not found for parms: Fl Date - ", sta
                 else:
                     print('Unable to get historic weather data for parms : Fl Date - ', start dat
             except RuntimeError as ex:
                 print("There was an error in dictionary creation from API response.")
             return historic weather data
```

Function call to create the API request, get and process the response.

3. Data transformation to convert the dictionary to a dataframe

```
In [326... index = 0
         historic weather data = {}
         weather data df = pd.DataFrame()
         for inx, row in weather delay df.iterrows():
             start date time = pd.to datetime(row.FL DATE).strftime("%Y-%m-%dT%H:%M:%S") #Fl star
             end date time=start date time
             #Switching back the if condition and reducing the API calls to 2, incase of a rerun
             #Since this is a public API there is a limit to the number of calls I can make per m
             #The loop for entire dataframe has been run and the weather data df is created for a
             #This condition will be removed again for the final project submission
             if index < 2:</pre>
                 #Call funtion to get weather at origin and flight time
                 response = get historic geo data by zip(start date time,row.ORIGIN CITY NAME , e
                 weather dict={}
                 weather dict = process api data(response, index) #Get each API response in a dic
                 df = pd.DataFrame([weather dict], columns=weather dict.keys()) #Convert dict to
                 weather data df = pd.concat([weather data df, df], axis =0).reset index(drop=Tru
                 index = index + 1
         25 25
```

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In [327... # Final weather_data_df
         weather_data_df
```

Out[327]:

Minimum Maximum Dew Relative Heat Wind V

	Address	Date time	Temperature	Temperature	Temperature	Point	Humidity	Index	Speed
0	Birmingham AL	05/01/2022	65.0	82.1	73.0	63.6	73.68	83.5	10.8

1	Cleveland OH	05/01/2022	53.1	74.0	62.2	45.6	60.2		18.3
2	Charlotte NC	05/01/2022	57.3	80.5	68.6	59.5	73.82	81.8	13.1
3	Pittsburgh PA	05/01/2022	53.5	70.4	60.8	46.6	64.71		9.2
4	Raleigh/Durham NC	05/01/2022	50.5	82.2	65.0	57.3	79.5	82.6	12.5
•••									
4147	Savannah GA	05/31/2022	70.5	84.0	76.6	73.2	89.54	91.7	8.8
4148	Dallas TX	05/31/2022	76.0	92.3	84.0	69.4	63.24	96.7	18.3
4149	Kansas City MO	05/31/2022	65.0	78.2	72.3	65.9	81.0		16.1
4150	Tampa FL	05/31/2022	72.7	91.2	80.3	69.3	71.22	95.5	15.3
4151	Tampa FL	05/31/2022	72.7	91.2	80.3	69.3	71.22	95.5	15.3

4152 rows × 25 columns

Now that we have the weather data in dataframe, we'll perform the Data Transformation Steps

4. Look for empty rows and null values

In [328... weather_data_df.dropna()

Out[328]:

	Address	Date time	Minimum Temperature	Maximum Temperature	Temperature	Dew Point	Relative Humidity	Heat Index	Wind Speed	١
0	Birmingham AL	05/01/2022	65.0	82.1	73.0	63.6	73.68	83.5	10.8	
1	Cleveland OH	05/01/2022	53.1	74.0	62.2	45.6	60.2		18.3	
2	Charlotte NC	05/01/2022	57.3	80.5	68.6	59.5	73.82	81.8	13.1	
3	Pittsburgh PA	05/01/2022	53.5	70.4	60.8	46.6	64.71		9.2	
4	Raleigh/Durham NC	05/01/2022	50.5	82.2	65.0	57.3	79.5	82.6	12.5	
•••										
4147	Savannah GA	05/31/2022	70.5	84.0	76.6	73.2	89.54	91.7	8.8	
4148	Dallas TX	05/31/2022	76.0	92.3	84.0	69.4	63.24	96.7	18.3	

4149	Kansas City MO	05/31/2022	65.0	78.2	72.3	65.9	81.0		16.1
4150	Tampa FL	05/31/2022	72.7	91.2	80.3	69.3	71.22	95.5	15.3
4151	Tampa FL	05/31/2022	72.7	91.2	80.3	69.3	71.22	95.5	15.3

4152 rows × 25 columns

No null rows to drop.

5. Drop Columns

```
In [ ]: weather_data_df.groupby(['Info'])['Info'].count().sort_index()
#There doesn't seem to be any relevant information in the Info column.
```

In [342... weather_data_df[weather_data_df['Resolved Address'] == weather_data_df['Name']]

Out[342]:

	Address	Date time	Minimum Temperature	Maximum Temperature	Temperature	Dew Point	Relative Humidity	Heat Index	Wind Speed	١
0	Birmingham AL	05/01/2022	65.0	82.1	73.0	63.6	73.68	83.5	10.8	
1	Cleveland OH	05/01/2022	53.1	74.0	62.2	45.6	60.2		18.3	
2	Charlotte NC	05/01/2022	57.3	80.5	68.6	59.5	73.82	81.8	13.1	
3	Pittsburgh PA	05/01/2022	53.5	70.4	60.8	46.6	64.71		9.2	
4	Raleigh/Durham NC	05/01/2022	50.5	82.2	65.0	57.3	79.5	82.6	12.5	
•••										
4147	Savannah GA	05/31/2022	70.5	84.0	76.6	73.2	89.54	91.7	8.8	
4148	Dallas TX	05/31/2022	76.0	92.3	84.0	69.4	63.24	96.7	18.3	
4149	Kansas City MO	05/31/2022	65.0	78.2	72.3	65.9	81.0		16.1	
4150	Tampa FL	05/31/2022	72.7	91.2	80.3	69.3	71.22	95.5	15.3	
4151	Tampa FL	05/31/2022	72.7	91.2	80.3	69.3	71.22	95.5	15.3	

4152 rows × 25 columns

All rows have same data from resolved area and Name. Dropping one of these columns since its a duplicate. Info has all NAN values. Dropping the 2 columns

```
In [349... weather_data_df = weather_data_df.drop(columns=['Info', 'Resolved Address'])
In [356... weather_data_df.shape
Out[356]:

6. Drop Duplicates
In [350... #Dropping dups from the copy and retaining the original df,
    #to avoid having to recreate the df with multiple hits to the API.
    weather_data_df_copy = weather_data_df
In [351... weather_data_df_copy.shape, weather_data_df.shape
```

```
In [351... weather_data_df_copy.shape, weather_data_df.shape
Out[351]:

In [352... print('Dataframe before dropping duplicates :', weather_data_df_copy.shape)
```

weather_data_df_copy = weather_data_df_copy.drop_duplicates() # 1,389 rows dropped
print('Dataframe after dropping duplicates :', weather_data_df_copy.shape)

Dataframe before dropping duplicates : (4152, 23)

Dataframe before dropping duplicates: (4152, 23) Dataframe after dropping duplicates: (1376, 23)

7. Replace column names

```
In [353... weather_data df.columns
         Index(['Address', 'Date time', 'Minimum Temperature', 'Maximum Temperature',
Out[353]:
                 'Temperature', 'Dew Point', 'Relative Humidity', 'Heat Index',
                 'Wind Speed', 'Wind Gust', 'Wind Direction', 'Wind Chill',
                 'Precipitation', 'Precipitation Cover', 'Snow Depth', 'Visibility',
                 'Cloud Cover', 'Sea Level Pressure', 'Weather Type', 'Latitude',
                 'Longitude', 'Name', 'Conditions'],
               dtype='object')
         columns = ['ORIGIN', 'FL DATE', 'MIN TEMP', 'MAX TEMP', 'TEMP', 'DEW POINT', 'RELATIVE HU
In [354...
                     'WIND GUST', 'WIND DIRECTION', 'WIND CHILL', 'PRECIPITATION', 'PRECIPITATION
                     'VISIBILITY','CLOUD COVER', 'SEA LEVEL PRESSURE', 'WEATHER TYPE', 'LATITUDE',
         weather_data_df_copy.columns = columns
In [355... weather_data_df copy.columns
         Index(['ORIGIN', 'FL DATE', 'MIN TEMP', 'MAX TEMP', 'TEMP', 'DEW POINT',
Out[355]:
                 'RELATIVE HUMIDITY', 'HEAT INDEX', 'WIND SPEED', 'WIND GUST',
                 'WIND DIRECTION', 'WIND CHILL', 'PRECIPITATION', 'PRECIPITATION COVER',
```

8. Fill NA/NaN values, if any

dtype='object')

```
In [363... print(weather_data_df_copy[weather_data_df_copy.LATITUDE.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.LONGITUDE.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.MIN_TEMP.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.MAX_TEMP.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.TEMP.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.DEW_POINT.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.RELATIVE_HUMIDITY.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.HEAT_INDEX.isna()==True])
    print(weather_data_df_copy[weather_data_df_copy.WIND_SPEED.isna()==True])
```

'SNOW_DEPTH', 'VISIBILITY', 'CLOUD_COVER', 'SEA_LEVEL_PRESSURE', 'WEATHER TYPE', 'LATITUDE', 'LONGITUDE', 'CITY NAME', 'CONDITIONS'],

```
print(weather data df copy[weather data df copy.WIND GUST.isna()==True])
print(weather data df copy[weather data df copy.WIND DIRECTION.isna()==True])
print(weather data df copy[weather data df copy.WIND CHILL.isna() ==True])
print(weather data df copy[weather data df copy.PRECIPITATION.isna()==True])
print(weather data df copy[weather data df copy.PRECIPITATION COVER.isna() == True])
print(weather data df copy[weather data df copy.SNOW DEPTH.isna() == True])
print(weather data df copy[weather data df copy.VISIBILITY.isna()==True])
print(weather data df copy[weather data df copy.CLOUD COVER.isna() == True])
print(weather data df copy[weather data df copy.SEA LEVEL PRESSURE.isna() == True])
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
```

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT_INDEX, WIND_SPEED, WIND_GUST, WIND_DIRECTION, WIND_CHILL, PRECIPITATION, PRECIPITATION_COVER, SNOW_DEPTH, VISIBILITY, CLOUD_COVER, SEA_LEVEL_PRESSURE, WEATHER_TYPE, LATITUDE, LONGITUDE, CITY NAME, CONDITIONS]

Index: []

[0 rows x 23 columns]

Empty DataFrame

Columns: [ORIGIN, FL_DATE, MIN_TEMP, MAX_TEMP, TEMP, DEW_POINT, RELATIVE_HUMIDITY, HEAT

```
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
Empty DataFrame
Columns: [ORIGIN, FL DATE, MIN TEMP, MAX TEMP, TEMP, DEW POINT, RELATIVE HUMIDITY, HEAT
INDEX, WIND SPEED, WIND GUST, WIND DIRECTION, WIND CHILL, PRECIPITATION, PRECIPITATION C
OVER, SNOW DEPTH, VISIBILITY, CLOUD COVER, SEA LEVEL PRESSURE, WEATHER TYPE, LATITUDE, L
ONGITUDE, CITY NAME, CONDITIONS]
Index: []
[0 rows x 23 columns]
```

There are no Nan values in numeric columns.

Ethical implications:

API Data - The data source of the API is genuine and reliable as stated in the terms of use in the website and I do not see any legal concers in using the data. However, I would like to validate the accuracy of the data by looking up the weather at a certain place and time known to have a bad weather situation.

Conclusion:

As a part of this milestone, the following Data Transformation steps have been performed.

- 1. Data manipulation using regular expressions to convert response text into a list of keys and values
- 2. Data transformation to parse the list of keys and values to form a dictionary (key-value pair)
- 3. Data transformation to convert the dictionary to a dataframe
- 4. Look for empty rows and null values
- 5. Drop Columns
- 6. Drop Duplicates
- 7. Replace column names
- 8. Fill NA/NaN values, if any

During the final project analysis, if there was no concerning weather condition at the origin airport, the same can be run against the destination airport to see if a flight was delayed/cancelled due to bad weather at the destination airport

```
In []:
```

Following lines can be ignored. There is practice code that I would like to refer, if required.

historic weather data[keys[i]] = values[i] else: print("Key value pair counts don't match")

Bureau data is limited to carriers in USA. Get the unique operating carriers to identify US based carriers for flights diverted. json_data = response.text.splitlines() if len(json_data) <= 2: keys = (re.split(',', json_data[0])) # replace ', ' by | to be able to split the strings correctly for key value pair values = (json_data[1].replace(', ','|').replace(""', ")).split(',') match response.status_Code: case 200: try: json_data = response.text.splitlines() if len(json_data) <= 2: keys = (re.split(',', json_data[0])) # replace ', ' by | to be able to split the strings correctly for key value pair values = (json_data[1].replace(', ','|').replace(""', ")).split(',') print(len(keys), len(values)) if len(keys) == len(values): if index == 0: for i in range(len(keys)): historic_weather_data[keys[i]] = values[i] else: for key, value in historic_weather_data.items(): historic_weather_data[key] = values[] else: print("Key value pair counts don't match") except RuntimeError as ex: print('There was an error in processing the API response: ', ex) case 404: print("Requested historic weather data not found for parms: Fl_Date - ",start_date_time, ' City - ',row.ORIGIN_CITY_NAME) case _: print('Unable to get historic weather data for parms: Fl_Date - ',start_date_time, ' City - ',row.ORIGIN_CITY_NAME)
historic_weather_data = {} print(len(keys), len(values)) if len(keys) == len(values): for i in range(len(keys)):