

Last updated: 5 May 2017

The ASN Drone Database contains over 2750 reports of unmanned aircraft (UAS) sightings from pilots and airprox occurrences involving UAS and aircraft. The types of UAS covered include consumer and professional helicopter type drones, larger military fixed wing (reconnaissance) drones, and model aircraft. It is not allowed to redistribute or republish the ASN Drone Database in whole or in part. The dataset is strictly intended for personal use.

Please note:

- Separation distances are solely based on pilot's judgements and not necessarily accurate since horizontal and vertical separation distances can be hard to judge and most common drones are not visible on radar
- Not all drone sightings are necessarily dangerous
- Circumstances may make observation difficult, thus in some cases the object sighted may have been misidentified as being a drone. Instead it may have been a (weather) balloon, a bird or another manned aircraft.

1997-08-03

Schopfheim (Germany)
Grob G109B

aircraft altitude: 650 feet
separation: 0 feet
evasive manoeuvre: No

Collided in mid-air with a remote controlled aircraft ("Dingo", wing span 2,40 m and a weight of 10 kg) and crashed into a wooded area. Both occupants of the motorglider were killed. Source: <https://aviation-safety.net/wikibase/wiki.php?id=58711>

2004-06-24 15:21:00

Montréal/St-Hubert, QC (CYHU) (Canada)
Piper PA-23-250 Aztec
Cargair C-FTSJ

aircraft altitude: feet
separation:

evasive manoeuvre: No

C-FTSJ, a Cargair Piper Aztec, reported that a model airplane had passed close to it while on final for Runway 24R at St-Hubert (CYHU). Source: TC

2004-07-30 22:35:00

Boundary Bay, BC (CZBB) (Canada)
Robinson R44
Private C-FTUK

aircraft altitude: feet
separation:

evasive manoeuvre: No

The pilot of C-FTUK a privately registered Robinson R44 reported seeing several small model aircraft at approximately 800' ASL, 2 nm west of the Boundary Bay control tower. Delta police were notified. Source: TC

2006-02-08 23:09:00

CAMPBELL RIVER BC (CYBL) (Canada)
Robinson R22
E & B Helicopters

aircraft altitude: 1000 feet
separation:

evasive manoeuvre: No

The pilot of C-GHLZ a Robinson R22 owned by E & B Helicopters reported observing a model airplane at same altitude and above at 1000' after departing Campbell River airport. Source: TC

2006-06-17 16:22:00

ROBERVAL QC (CYRJ) (Canada)
Cessna TR182
C-GWGF

aircraft altitude: feet
separation:

evasive manoeuvre: No

At 1622Z, when CGWGF was approximately 5 NM on final for rwy 16 at Roberval, a white, unknown model aircraft passed the runway centre line to the north in an east-west direction, between the threshold and CGWGF. Source: TC

2006-07-24 22:50:00

SEPT-ÎLES QC (CYZV) (Chile)
Cessna 310

aircraft altitude: feet
separation:

evasive manoeuvre: No

Model airplane activity was reported by a Cessna 310 pilot when in final 3-4 NM from rwy 13 in Sept-Îles (CYZV), just SW of the rwy. Source: TC

investigation, ACFT advised that he did not see the UAS, but was told by another ACFT there was UAS activity in the practice area. Source: FAA

2016-04-19

Santa Ana California (USA)
Cessna 172

aircraft altitude: 400 feet

separation: 0,25 mile

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: SANTA ANA, CA/UAS INCIDENT/1028P/JOHN WAYNE-ORANGE COUNTY ATCT ADVISED CESSNA C172, OBSERVED A UAS .25 MILE OFF DEPARTURE END OF RUNWAY 20R AT 200 - 300 FEET. NO EVASIVE ACTION TAKEN. POLICE HELO NOTIFIED ON FREQUENCY AND INVESTIGATING. MOR Alert for SNA Hazardous and/or Unauthorized UAS Activity

Date/Time: Apr 19, 2016 - 0WSAZ

A/C: (C172)

Summary: ACFT REPORTED SEEING A UAS WHEN HE WAS UPWIND OFF RY 20L HEADING 185 DEGREES CLIMBING OUT OF 400 FEET. HE ESTIMATED THAT THE UAS WAS 200 TO 300 FEET HIGH ABOUT 1/4 MILE SOUTH OF THE AIRPORT. Source: FAA

2016-04-19

Tampa Florida (USA)
Pilatus PC-12

aircraft altitude: feet

separation:

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: TAMPA, FL/UAS INCIDENT/1345E/PILATUS PC12 REPORTED A UAS (NO DESCRIPTION) AT 20 FEET ON THE DEPARTURE END OF RUNWAY 19L. NO EVASIVE ACTION TAKEN. NO LEO NOTIFICATION. MOR Alert for TPA

Hazardous and/or Unauthorized UAS Activity

Date/Time: Apr 19, 2016 - 0ESAZ

A/C: (PC12)

Summary: REPORTED A DRONE AT 20 FEET ON THE DEPARTURE END OF RUNWAY 19L. Source: FAA

2016-04-19

Virginia Beach Virginia (USA)
F-18

US Navy

aircraft altitude: 11000 feet

separation:

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: VIRGINIA BEACH, VA/UAS INCIDENT/1724E/OCEANA NAVAL AIR STATION ADVISED USN RA F18, OBSERVED 4 UAS'S (1 RED & 3 BLACK) HOVERING AT 11,000 FEET 92 ESE OF OCEANA NAVAL AIR STATION, VIRGINIA BEACH, VA. NO EVASIVE ACTION TAKEN. LEOS NOT NOTIFIED. Source: FAA

2016-04-19

West Palm Beach Florida (USA)
Piper PA-28

aircraft altitude: 2000 feet

separation: 800 feet

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: WEST PALM BEACH, FL/UAS INCIDENT/1752E/WEST PALM BEACH APCH ADVISED PIPER P28A, REPORTED A GREY UAS MANEUVERING AT THE 3 O'CLOCK POSITION AT 800 FEET. ACFT WAS SOUTHBOUND AT 2,000 FEET 8 SE PBI. NO EVASIVE ACTION TAKEN. PALM BEACH SHERIFF NOTIFIED. MOR Alert for PBI

Hazardous and/or Unauthorized UAS Activity

Date/Time: Apr 19, 2016 - 0ESAZ

A/C: (PA28)

Summary: VFR, PA28. 2000 SOUTHBOUND REPORTED WHAT APPEARED TO BE A DRONE HOVERING OFF HIS 3 O'CLOCK LOW AT ABOUT 1200 FEET. THE LAT/LONG LOCATION WAS 263520.7N/0800252.4W. THE PILOT SAID IT WAS A SMALL DRONE AND OF A GREY HUE. THE PA28 REQUIRED NO EVASIVE ACTION AND THERE WAS NO DANGER OF A NMAC SINCE THE DRONE APPEARED TO BE MANUEVERING ABOUT 800 FEET BELOW HIM. PBSO PBI AIRPORT DIVISION NOTIFIED. DEN NOTIFIED. ROC NOTIFIED. Source: FAA

2016-04-19

Greenville Texas (USA)

CRJ-900

Mesa Airlines

aircraft altitude: 24000 feet

separation: 200 feet

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: GREENVILLE, TX/UAS INCIDENT/1452E/MESA, CRJ9, DFW-CVG, OBSERVED A SHINY UAS WITH A LIGHT, 5 N OF GREENVILLE AT FL240, WHILE EASTBOUND. NO EVASIVE ACTION TAKEN. GREENVILLE PD NOTIFIED. MOR Alert for ZFW

Hazardous and/or Unauthorized UAS Activity

Date/Time: Apr 19, 2016 - 0CSAZ

A/C: (CRJ9/L)

Summary: ACFT WAS EASTBOUND AT FL240 AND REPORTED THAT THERE WAS A SHINY DRONE WITH A LIGHT THAT WAS WESTBOUND. WE CONTACTED THE GREENVILLE POLICE DEPARTMENT. THE DRONE CAME WITHIN 200 FEET OF THE AIRCRAFT. THE SIZE WAS-3 FEET IN DIAMETER. Source: FAA

2016-04-20

Birmingham Alabama (USA)

Cessna 560

aircraft altitude: 2100 feet

separation: 2640 feet

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: BIRMINGHAM, AL/UAS INCIDENT/1350C/BIRMINGHAM APCH ADVISED CESSNA C560, OBSERVED A 4 WINGED, BALLOON SIZE, UAS .25 - .5 MILE OFF RIGHT SIDE OF ACFT WHILE AT 2,100 FEET ON 5 MILE FINAL RUNWAY 24. NO EVASIVE ACTION TAKEN. LEOS NOT NOTIFIED. MOR Alert for BHM

Hazardous and/or Unauthorized UAS Activity

Date/Time: Apr 20, 2016 - 0ESAZ

A/C: (C560)

Summary: AFCT REPORTED "DRONE" NEAR 5 MILE FINAL RY24, DEN AND ROC NTFYD Source: FAA

2016-04-20

Newark New Jersey (USA)

Sikorsky S-76

aircraft altitude: 1500 feet

separation:

evasive manoeuvre: No

PRELIM INFO FROM FAA OPS: EWR/UAS INCIDENT/1640E/EWR ATCT ADVISED SIKORSKY S76, OBSERVED A WHITE UAS AT 1,500 FEET 5 W OF EWR. NO EVASIVE ACTION TAKEN. NJ STATE POLICE NOTIFIED. MOR Alert for EWR

Hazardous and/or Unauthorized UAS Activity

Date/Time: Apr 20, 2016 - 0ESAZ

A/C: (SK76)

Summary: SR76 REPORTED SEEING A WHITE UAS (DRONE) 5 WEST OF KEWR AT 1500' AS THEY APPROACHED EWR. NUMBER OF ROTORS AND HEADING UNKNOWN. DID NOT TAKE EVASIVE ACTION. Source: FAA

2016-04-20 15:53:00

Paris-CDG (Ireland)

aircraft altitude: 1500 feet

separation: 10 feet

evasive manoeuvre: No

A Jazz Aviation de Havilland DHC-8-402 (C-GGOK/JZA8975) from Montreal/Pierre Elliott Trudeau, QC (CYUL) to Ottawa/MacDonald-Cartier, ON (CYOW), reported passing an opposite direction green drone by approximately 10 feet while at 4NM final for Runway 07. No evasive action was taken, no operational impact. Ottawa Police Service were notified and a file was opened.

UPDATE: TSB Report#A1700079: C-GGOK, a de Havilland DHC-8-402 aircraft operated by Jazz Aviation Lp, was conducting flight JZA8975 from Montreal/Pierre Elliott Trudeau Intl, QC (CYUL) to Ottawa/MacDonald-Cartier Intl, ON (CYOW). During the final approach to Runway 07 at 1500 feet AGL, the flight crew briefly observed an unmanned aerial vehicle (UAV) at their 11 o'clock position, approximately 4.2 nautical miles from the threshold of the runway. The pilot flying made a small roll input as an evasive manoeuvre and the UAV passed just under the left wing of the aircraft. There was no damage to the aircraft, and no reported injuries to the occupants.

Source: TC

2017-04-20 00:10:00

Pitt Meadows, BC (CYPK) (Canada)

Piper PA-28-140

aircraft altitude: 1200 feet

separation:

evasive manoeuvre: No

A privately registered Piper PA-28-140, from Langley, BC (CYNJ) to Pitt Meadows, BC (CYPK), reported a near miss with a drone 3NM southeast of CYPK at 1200'. The approximate coordinates were N491034 W1224049. No operational impact. Source: TC

2017-04-22 17:05

Toronto/Billy Bishop, ON (CYTZ) (Canada)

Lancair LC40-550FG

Blue Freedom Aircraft Group C-GLTP

aircraft altitude: 2000 feet

separation:

evasive manoeuvre: No

A Blue Freedom Aircraft Group Lancair LC40-550FG (C-GLTP), from Brantford, ON (CYFD) to Toronto/Oshawa, ON (CYOO) reported a drone about 3 miles southwest of Toronto/Billy Bishop, ON (CYTZ) airport at around 2000 feet. Toronto police were advised. No impact to operations. Source: TC

2017-04-23 18:20

Montréal, QC (Canada)

Piper PA-28-181

private

aircraft altitude: feet

separation:

evasive manoeuvre: No

Un Piper PA-28-181, d'immatriculation privée, effectuant un vol de Kingston (CYGK), ON, à Drummondville (CSC3), QC, a survolé le centre-ville de Montréal et a observé un drone rouge à 1 000 pi au-dessus du site de la pointe de l'horloge. Le Service de Police de la Ville de Montréal a été avisé. Source: TC

2017-04-23 19:37

10NM S TORONTO / LESTER B. PEARSON INTL ON (CYYZ) (Canada)

Hawker 900XP

Morningstar Partners Ltd. C-GVMQ

aircraft altitude: feet

separation:

evasive manoeuvre: No

A Morningstar Partners Ltd. Raytheon Hawker 900XP (C-GVMQ) reported seeing a drone. The drone was at 1600 feet and was blue, silver and white in colour. No operational impact. Source: TC

2017-04-24 17:02

TORONTO / LESTER B. PEARSON INTL ON (CYY) (Canada)

Piper PA-23-250

Airborne Sensing Corp. SNAAP1

aircraft altitude: 1800 feet

separation:

evasive manoeuvre: No

An Airborne Sensing Corporation Piper PA-23-250 (SNAAP1), on a local flight from Toronto/Oshawa, ON (CYOO) reported a drone passing right off its left wing at 1800 feet. The aircraft was 6.2NM south east of Toronto/Lester B. Pearson, ON (CYYZ) at the time of the occurrence. No operational impact. Source: TC

2017-04-24 19:12

4NM SE Montréal/Pierre Elliott Trudeau (CYUL) (Canada)

Cessna 172L

Dorval Aviation C-FHNO

aircraft altitude: feet

separation:

evasive manoeuvre: No

Un Cessna 172L exploité par Dorval Aviation Inc. (C-FHNO), sur un vol local de Montréal/Pierre Elliott Trudeau (CYUL), QC, a observé un drone 2NM à l'ouest du pont Mercier a environ 500 pieds. Aucun impact sur les opérations Source: TC

2017-04-24 20:40

VANCOUVER INTL BC (CYVR) (Canada)

DHC-8-300

Jazz JZA8248

aircraft altitude: feet

separation:

evasive manoeuvre: No

A Jazz Aviation de Havilland DHC-8-300 (JZA8248) reported a bright glowing red drone, the size of a party balloon, just west of Garry Point, traveling NorthWest at an altitude of 3500 feet. Richmond Royal Canadian Mounted Police (RCMP) were advised. No operational impact. Source: TC

2017-04-28 21:43

Abbotsford, BC (CYXX) (Canada)

Robinson R44 II

British Columbia Helicopters C-FAYQ

aircraft altitude: 1000 feet

separation:

evasive manoeuvre: No

A British Columbia Helicopters Robinson R44 II (C-FAYQ) reported seeing an unmanned air vehicle (UAV) flying South Bound at approximately 1700' inside the control zone at around 4NM to the NW of Abbotsford, BC (CYXX). The helicopters was flying North Bound at 1000'. The Tower reported the incident to the Abbotsford police. Source: TC
