

# PublicVue™ Flight Tracking System

## Quick-Start Guide



## DISCLAIMER



Data from the PublicVue™ Flight Tracking System (FTS) is being provided to the community as an informational tool, designed to increase understanding about aircraft flight operations at the Calgary International Airport. The system uses Symphony® software and is maintained by Harris, a third-party company. The software is hosted and maintained by Harris. A ten minute delay has been applied to the system for security purposes and the information, maps and flight track data available through the software may include inaccuracies or errors. Information received via the FTS should not be relied upon for personal, medical, legal or financial decisions.

Personal information voluntarily provided by a user as part of the complaint registration process built into the FTS is stored by Harris and provided to the Calgary Airport Authority or its designates.

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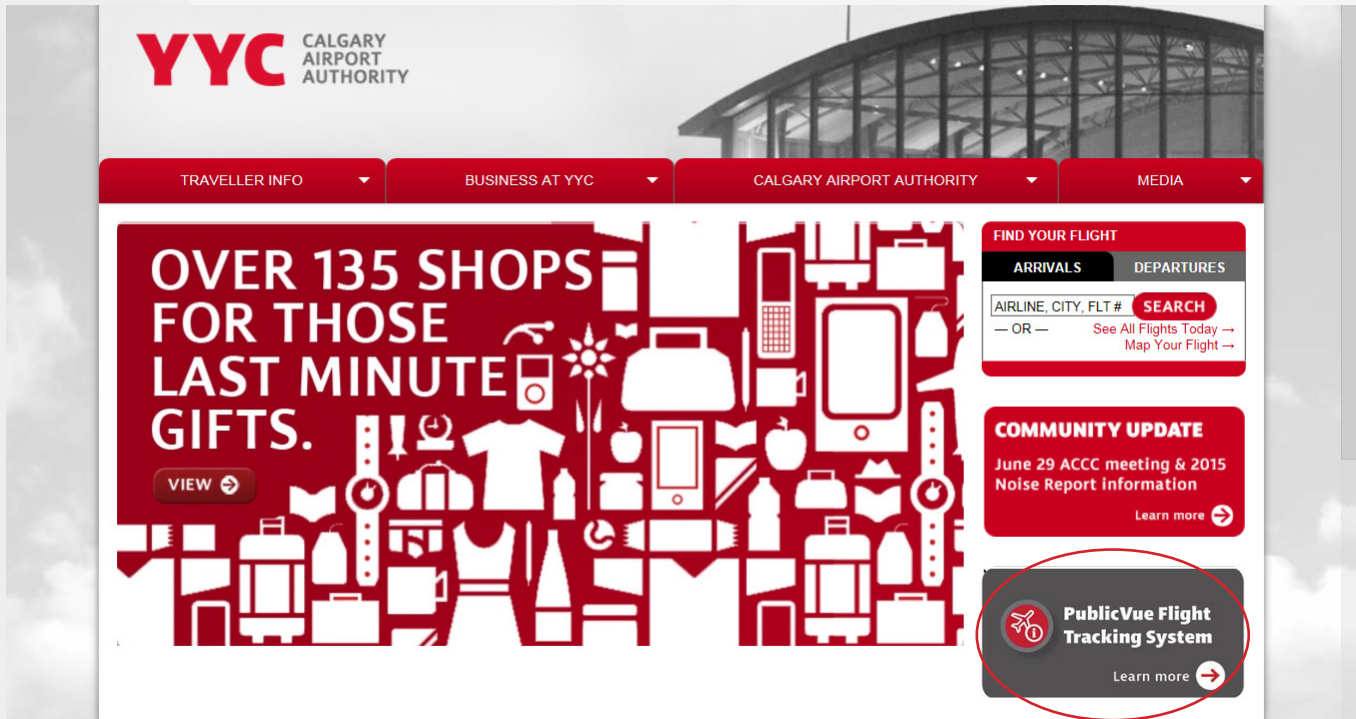


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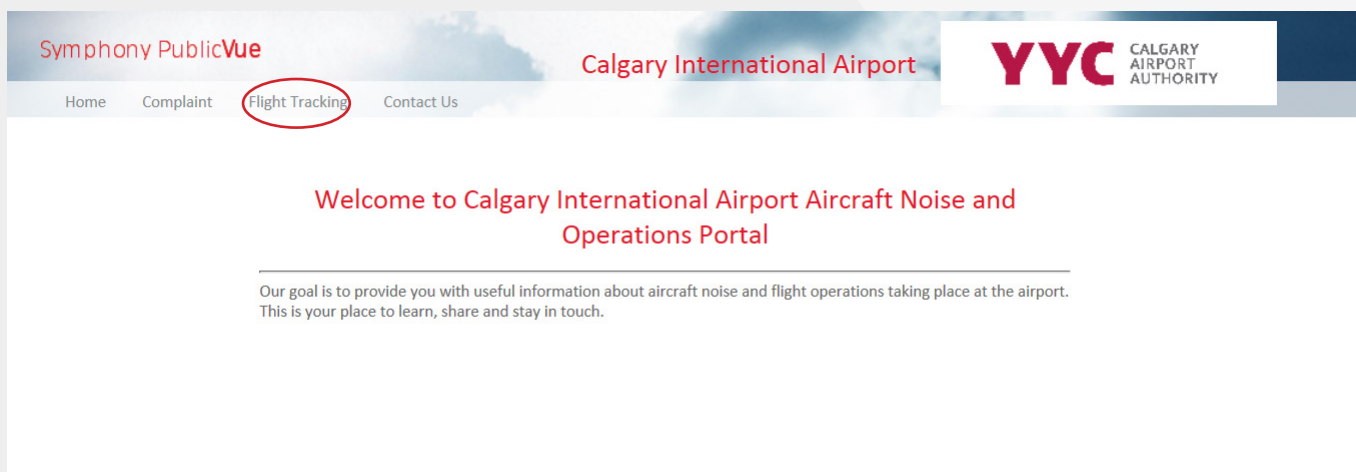
# 1. LOG-IN



To log-in to the PublicVue™ Flight Tracking System (FTS), use your web browser to navigate to [www.yyc.com](http://www.yyc.com) and click on the icon on the main page.



The FTS will launch and the default interface will display. If the interface does not display, select **Flight Tracking** from the menu.



The FTS works with most modern Windows, OS X, iOS, and Android devices. It can be run using Internet Explorer, Safari, Firefox, and Chrome.

## 2. INTERFACE DISPLAY



The FTS interface is comprised of three distinct panels. The panel on the left (the area outlined in red below) displays several tabs: Details, Tools, Replay, My Flights, Help, About and Options. A map of the airport (outlined in green below) is the largest of the three panels. By default, the map displays any flights currently in the system. Below the map is a panel containing the Flights tab (outlined in yellow). This tab displays the flight data in tabular format.

Symphony PublicVue
Calgary International Airport

Home
Complaint
Flight Tracking
Contact Us

Details
Tools
Replay
My Flights

Help
About
Options

**Properties**

Select an object on the map to view its detailed properties

**Flights**

AC Type	Altitude	Speed	Latitude	Longitude	Status	Heading
P06T	4800	100	51.12124	-114.35235	IFR	5
	0	0	51.0997	-114.02623	IFR	275
C172	5000	90	51.02704	-114.31703	IFR	341
C172	5100	90	51.10709	-114.41163	IFR	354
R22	5100	70	51.46857	-114.40328	IFR	61
A319	3500	10	51.13075	-114.00754	IFR	67
C172	5500	110	51.22624	-114.37745	IFR	178
RF24	7700	120	51.10772	-113.80547	IFR	341

### 3. VIEWING NEAR-REAL TIME DATA



To view near-real time data (10 minute delay), select the **Flight Tracking** menu option.

The map displays near-real time flight data using different colors to distinguish between the types of aircraft operation (i.e. arrivals, departures, overflights).



Surface Vehicles/  
Unknown



Overflights



Arrivals



Departures

The map panel contains various formatting and search controls:



1. Layers - allows you to choose viewing options (i.e. aerial, streets) and displayed icons
2. Locate me - centres your current location on the map (GPS)
3. Hide Menu - expands the map panel by hiding the left panel (option tabs)
4. Hide Table - expands the map panel by hiding the bottom panel (Flights table)
5. Last updated date/time
6. Pan map - moves the map in a given direction using compass control
7. Go to airport - resets the map to show the airport centered on the map at the original zoom
8. Zoom in/out - enables you to change the scale of the map





### 3.1 Viewing a Flight's Properties

To view the properties of a specific flight, click the flight's icon on the map. A popup will appear, and the Details tab in the left panel will display basic information about the flight.

**Flight properties**

**Popup**

**Properties**

Flight Type: Departure  
AC Type: B737  
Status: IFR

**Airport**

**Position**

Speed: 180 mph  
Altitude: 5300 ft  
Heading: 167 deg  
Latitude: 51.07536 dd  
Longitude: -113.98315 dd  
Surveillance Type: Non ADS-B

**Flights**

AC Type	Altitude	Speed	Latitude	Longitude	Status	Heading
B737	5300	180	51.07536	-113.98315	IFR	167
R22	5000	70	51.02462	-114.37454	IFR	89
C172	6000	80	51.19418	-114.56566	IFR	117
B763	3500	10	51.13519	-114.01181	IFR	66
C172	6200	80	51.34139	-114.22721	IFR	73
B737	13800	350	50.87544	-113.75943	IFR	134
DH8D	3500	20	51.11524	-114.01818	IFR	334
CL30	12100	290	51.00914	-113.83858	IFR	83

**Zoom To** **Follow**

From the Details tab you may:

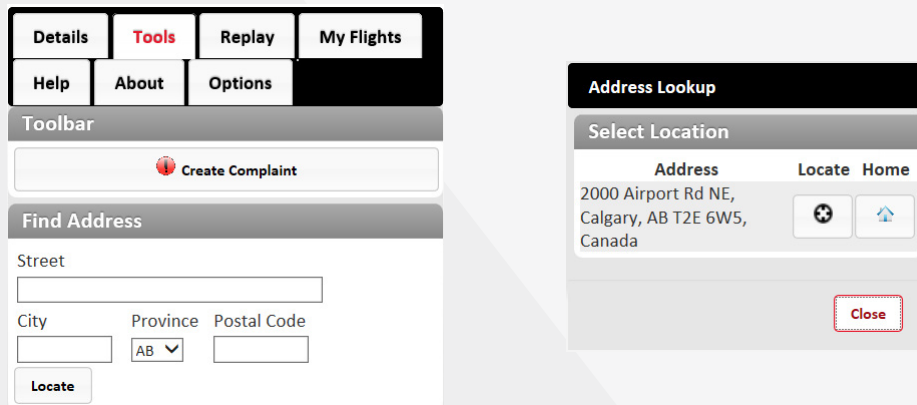
- Zoom in on and centre the flight on the map by clicking the **Zoom To** button.
- Follow a flight by clicking the **Follow** button. The map will automatically pan to bring the flight to the centre and will then follow it.



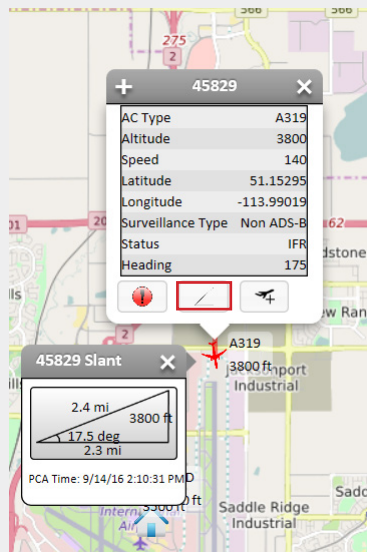
## 3.2 Viewing a Flight's Slant Range

Slant Range allows you to see how an aircraft's position (distance, angle and altitude) changes relative to your home location. The aircraft's altitude is displayed relative to sea level and not your home location. To view a flight slant range:

1. Specify your home address. Your home location is used to calculate a flight's distance from the home location's address.
  - From the left panel, select the **Tools** tab.
  - In the **Find Address** section, enter the address that you would like to use as your home location. The **Address Lookup** popup displays.



2. Click the flight's icon on the map. A pop up displays information for the flight.
3. Click the button in the popup. A popup displays the flight's slant range relative to your home location.





## 4. REPLAYING DATA



Historical flight mode enables you to replay data from previous dates in one hour increments. After specifying the start time, the FTS will replay the events occurring in the hour after the time specified.

Note: flights are available for replay after one hour of its occurrence.

To replay events from a previous date:

1. Select the **Replay** tab from the left panel.
2. From the Flight Mode section, select **Historical Flights (Replay)**. The Time Window and Playback Controls sections display.
3. Click the **Start Time** field and specify the date and time for which you would like to replay events.

A screenshot of a software interface. At the top, there are four tabs: 'Details', 'Tools', 'Replay' (highlighted in red), and 'My Flights'. Below these are two more tabs: 'Help' and 'About', and a button labeled 'Options'. The main content area is divided into three sections: 'Flight Mode' with radio buttons for 'Live Flights' and 'Historical Flights (Replay)' (selected); 'Time Window' with a 'Start Time' input field containing '9/3/2016 10:00 AM' and a 'Go!' button; and 'Playback Controls' with a 'Show Replay Playback Controls' button.

4. Click **Go**. The replay data is cached and replayed on the map. Use the playback controls to rewind, forward, or change the speed of the replay (0.5, 1, 3, 10, 30 seconds).

A screenshot of a 'Playback Controls' dialog box. It shows 'Current time: 09/03/2016 10:12:20' and 'Replay speed: 10x'. Below this is a slider control. At the bottom, there are three buttons: a green double-left arrow (rewind), a yellow double-vertical bar (pause), and a green double-right arrow (play/next).

5. When the end of the one hour increment is reached, you will be asked if you want to start a new replay starting with the current time. To continue the replay, click **Continue**. Click **Stop** to exit the replay.

A screenshot of a 'Continue Replay?' dialog box. The text inside reads: 'The current Replay has finished. Start a new Replay at the current time?'. At the bottom, there are two buttons: 'Continue' (highlighted with a red dashed border) and 'Stop'.

## 5. SUBMITTING A COMPLAINT



To create a complaint:

1. From the **Tools** tab, select the **Create Complaint** menu option and log in. The **Create Complaint** window displays

The screenshot shows a web application interface with a top navigation bar containing 'Details', 'Tools' (highlighted in red), 'Replay', and 'My Flights'. Below this is a secondary bar with 'Help', 'About', and 'Options'. A 'Toolbar' section contains a 'Create Complaint' button with a red icon. Below the toolbar is a 'Find Address' section with input fields for 'Street', 'City', 'Province' (set to 'AB'), and 'Postal Code', along with a 'Locate' button.

The 'Create Complaint' dialog window is shown with the following fields and options:

- Complaint** section:
  - Disturbance Type:** A dropdown menu with 'Arriving Aircraft' selected.
  - Time of Disturbance Start:** A date and time field containing '09/06/2016 16:44'.
  - Time of Disturbance End:** An empty date and time field.
  - Comment:** A large text area for entering details.
  - Response Requested:** A checkbox that is checked.
- Flight Information** section:
  - Airport:** A dropdown menu.
  - Flight ID:** A text input field.
  - Equipment:** A text input field.

At the bottom of the dialog are 'Create Complaint' and 'Cancel' buttons.

2. Select the type of disturbance from the **Disturbance Type** list.
3. Click the **Time of Disturbance Start** field and specify the date and time when the disturbance occurred.
4. Click the **Time of Disturbance End** field and specify the end time.
5. Enter any text you want to include with the complaint in the **Comment** field.
6. If you know the flight information associated with the complaint, enter the flight ID and tail number.
7. Click **Create Complaint**. The complaint will be submitted into the system and forwarded to the Calgary Airport Authority.



We hope this Quick-Start Guide has been helpful in showing you how to get started using the PublicVue™ Flight Tracking System. For more detailed information about this Symphony® software visit <https://www.harris.com/solution/publicvue>.



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