



SimRoutes Documentation

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Introduction

What is SimRoutes.com?

SimRoutes.com is a preferred route database designed for pilots trying to fly from point A to point B. We try to match your route queries to a small set of route possibilities that are preferred by the ARTCC/FIR/vACC which you are flying from or to - rather than present you with 20 slightly different routes for each departure/arrival pair.

The intended Users of these routes are virtual pilots flying on the VATSIM network. The data contained on SimRoutes is NOT intended for real world use.

Where does the Data come from?

The data is provided and maintained by volunteer administrators from various ARTCC, FIR, and vACC's within Vatsim. It may have been created based on FAA preferred routes, preferred virtual traffic flows based on letters of agreement between centers, or simply based on suggestions by pilots. The Navigation data supplied is imported from the DAFIF.

Who is Eleventhstreet.com?

Eleventhstreet.com is a domain owned by Eleventhstreet Technologies Inc. - owned and operated by Ian Elchitz in Calgary, AB.

Special Thanks

SimRoutes would like to thank Ross Carlson, the author of the [VRC: Virtual Radar Client](#) for providing SimRoutes with the layout and code required to complete this User Documentation.

The Menu Bar

[Home](#) [About](#) [Stats](#) [Admin](#) [New SimRoutes Forum!](#)

The Menu bar is located at the top of each screen. Clicking on any of the hyperlinks will take you to the selected page as defined below.

Home

The Home link takes you to the main SimRoutes.com page where you may enter a new query.

About

The About link takes you to a page that displays information about SimRoutes.com

Stats

The Stats link takes you to a page that displays statistics about SimRoutes.com

Admin

The Admin link takes you to a page where administrators may log in to perform system maintenance.

Forum

The Forum link opens the SimRoutes.com forum in a new window.

Searching for Routes

Search Routes			
Departing:	<input type="text"/>	Arriving:	<input type="text"/>
<input type="button" value="Find Plans"/>		More Detail >>	

The Search Routes section is where you query the database by entering your search criteria and pressing the **Find Plans** button.

Search Modes

The search section may be used in two modes - basic or advanced mode:

Basic Mode

Basic Mode allows you to enter your departing and/or arriving airports.

Advanced Mode

Advanced Mode allows you to specify your departing and/or arriving airports and additionally you may ask the system to return routes based on their type, operations, distance, rnav, or noise abatement properties. These properties are all discussed in greater details below.

Changing Modes

By default the Search Routes section is in basic mode. To change to **Advanced mode** simply click the hyperlink titled **More Detail>>**.

To change back to Basic mode click the hyperlink titled **<< Less detail**.

Search Properties

Departing

This field expects the ICAO code for your departure airport. For example, if you wish to search for routes departing Los Angeles International Airport, you would type the code **KLAX**.

Arriving

This field expects the ICAO code for your arrival airport. For example, if you wish to search for routes arriving at Calgary International Airport, you would type the code **CVYC**.

Types of searches

There are 3 basic types of searches that may be performed: Departure/Arrival, Departure Only, and Arrival Only.

Departure/Arrival

Use this type of search if you know the departure and arrival airports for a route you wish to search, simply type in the ICAO codes for both your arrival and departure airports - then click the **Find Plans** button. SimRoutes will query the database and display the search results in the Search Results page.

Departure Only

Use this type of search if you only know that you want to depart a specific airport and are not sure where you want to fly to. Enter the ICAO code for your departure airport in the "Departing" field and click the **Find Plans** button. SimRoutes will query the database and display the search results in the Search Results page.

Arrival Only

Use this type of search if you only know that you want to arrive a specific airport and are not sure where you want to fly from. Enter the ICAO code for your arrival airport in the "Arriving" field and click the **Find Plans** button. SimRoutes will query the database and display the search results in the Search Results page.

Advanced Searching

Search Routes			
Departing:	<input type="text"/>	Arriving:	<input type="text"/>
Route Type:	All Routes <input type="button" value="v"/>	Operations:	<input checked="" type="radio"/> All <input type="radio"/> Normal <input type="radio"/> Alternate
Options:	<input type="checkbox"/> RNAV <input type="checkbox"/> Noise Abatement	Distance:	Longer Than <input type="button" value="v"/> <input type="text" value="0"/> NM
<input type="button" value="Find Plans"/> << Less Detail			

You may narrow your search based on a number of criteria entered by the system administrators by using the Advanced mode.

Changing Modes

To change to Advanced mode simply click the hyperlink titled [More Detail>>](#).

To change back to [Basic mode](#) click the hyperlink titled [<< Less detail](#).

Advanced Mode Properties

Route Type

Route Type:	All Routes <input type="button" value="v"/>
	<ul style="list-style-type: none"> All Routes All Domestic High Altitude Low Altitude International Military TEC Routes

Routes may be specified as High Altitude, Low Altitude, International, Military, or TEC (Tower Enroute Control) routes. You may combine multiple criteria using the following selections:

- o All Routes - Returns all routes.
- o All Domestic - Returns all routes not specified as Military or International routes.

Operations

Operations:	<input checked="" type="radio"/> All <input type="radio"/> Normal <input type="radio"/> Alternate
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Routes may be specified as Normal or Alternate Operations. You may specifically search on either criteria or select "All" to return both. "Alternate Operations" might be a routing only used when a field is in an alternate mode.

For example Los Angeles International (KLAX) operates the field in a configuration landing and departing over the Pacific Ocean to the west 95% of the time. When strong winds blow offshore,

Distance

Distance:	Longer Than <input type="button" value="v"/> <input type="text" value="500"/> NM
	<ul style="list-style-type: none"> Longer Than N/A Less than

You may filter your search based on the distance of the route. Select Longer Than or Less Than and enter the distance in Nautical Miles that you wish to filter by. To ignore the distance entered in this section select N/A.

For example, if you wanted to fly out of Boston (KBOS) but only had a limited amount of time to complete the flight, you might enter "Less Than 400NM" in order to limit possible routes to those that you could complete before you ran out of time.

Options

Options:	<input checked="" type="checkbox"/> RNAV <input type="checkbox"/> Noise Abatement
----------	--

SimRoutes administrators have the ability to further categorize routes by RNAV and Noise Abatement. To only show routes containing these options check the box next to the option you wish to filter by. Leaving the box unchecked will result in routes that contain this flag, and do not contain this flag.

RNAV

The system determines a route's RNAV status in one of two ways. If the SimRoutes administrator specifies the route as RNAV then the route will always be categorized as an RNAV route. If the administrators do not specify a route as RNAV, then the system will determine its RNAV state based on the inclusion of one (or more) procedures (SID/STAR) that are specifically categorized as RNAV in the SimRoutes system. Using this flag can help you narrow your search to RNAV only - if you are in the mood to try one of these.

Noise Abatement

The system determines a route's Noise Abatement status based on specifications provided by the SimRoutes administrators. This can be very helpful when flying in areas with known (and confusing) noise abatement rules.

Advanced Mode Examples

Here's an example of how Advanced Mode Properties can help narrow your search. Conducting a search for Las Vegas (KLAS) to Los Angeles (KLAX) in basic results in the following routes:

KLAS BOACH2 HEC RDEYE2 KLAX
KLAS BOACH2 HEC MITTS2 KLAX
KLAS MCCR3 HEC RDEYE2 KLAX
KLAS MCCR3 HEC MITTS2 KLAX

If a User wanted to fly this route using RNAV procedures, they would check the RNAV Option and search the database again, resulting in:

KLAS BOACH2 HEC RDEYE2 KLAX
KLAS BOACH2 HEC MITTS2 KLAX

The user realizes that it's 2 AM local time at KLAX and they should file a Noise Abatement route. Checking that option and searching again finally results in the route:

KLAS BOACH2 HEC RDEYE2 KLAX

NOTAMs

NOTAM	
7/30/2006:	Welcome Military pilots! Thanks to the VUSN we have added over 150 new military routes.
7/27/2006:	Fixed a bug in the map that displayed unknown waypoints as somewhere in Africa
7/23/2006:	SimRoutes dynamically generates Route files for Squawbox3, LDS767, and 767PIC. Check the Route Details page.
7/20/2006:	An image of your Navigation Log Route is now available, check the Route Details page.
7/9/2006:	AIRAC 0607 is now active. Please report any problems/errors via the forum.
5/15/2006:	SimRoutes.com passes half million search mark in 16 months!

System NOTAMS are displayed on the SimRoutes welcome page. These notices are hidden when your search results are displayed.

To view NOTAMS, select "Home" from the main menu.

SimRoutes Statistics

SimRoutes displays two sets of statistical pages for its Users.

Flightplanner Statistics

Flightplanner Statistics			
Flightplans in Database:	13548	Searches Performed:	575505
Site Visits:	455500	Flightplans Filed Online:	27936
Project Live Since:	01/01/2005	Participating ARTCC/FIRs	30
Current Airac:	DAFIF AIRAC 0607 (JUL06AUG07)		
New ARTCC/FIR Member:	Gander Domestic FIR (CZQX) on 5/18/2006		
Most Recent Route Added:	KNZY NASNI4 NASNI SAN AVOLS SXC V208 VTU KNTD		

The Flightplanner Statistics section is displayed on the SimRoutes home page and provides users with the following:

- Total number of preferred routes in the database
- Number of unique visits to the website
- The date that SimRoutes (version 4) officially went live
- The most recent ARTCC/FIR/ACC to join SimRoutes
- Total number of searches performed
- Number of flightplans filed online with Vatsim directly from SimRoutes
- Total number of ARTCC/FIR/ACC participating in the project
- The current AIRAC navigational database cycle
- The most recent Route added to the database

ARTCC/FIR/vACC Statistics

ICAO	Center Name	Routes From	Routes To	Total Routes	Country	Activation Date
PAZA	Anchorage	36	17	53	USA	
KZLA	Los Angeles	3835	3696	7524	USA	9/1/2003
KZOA	Oakland	787	869	1655	USA	10/1/2003
CZEG	Edmonton FIR	159	171	330	Canada	12/1/2003
KZAK	Oakland Oceanic FIR	21	32	53	USA	12/1/2003
CZVR	Vancouver FIR	121	133	253	Canada	1/1/2004

The ARTCC/FIR/vACC Statistics page can be accessed by selecting the "Stats" item from the Main Menu. This page is updated daily with the following information for each participating ARTCC/FIR/vACC:

- ICAO Code for the ARTCC/FIR/vACC
- ARTCC/FIR/vACC Name
- Total Routes departing from Airports owned by the ARTCC/FIR/vACC
- Total Routes arriving to Airports owned by the ARTCC/FIR/vACC
- Total Routes arriving to AND departing from Airports owned by the ARTCC/FIR/vACC
- Country in which the ARTCC/FIR/vACC resides
- Date that the ARTCC/FIR/vACC officially joined SimRoutes

By default this page is sorted by the date that the ARTCC/FIR/vACC joined SimRoutes. Users may sort this page by any column either ascending or descending by clicking on the column header

Top 20 Routes Selected

Top 20 Routes Selected	
Route	#
KLAX VTU5 RZ5 J501 BSR BSR2 KSFO	13459
KSFO PORTE3 AVE SADDE6 KLAX	4995
KLAX LAXX5 DAG CLARR2 KLAS	3462
KDEN ROCKI4 DVC PGS MITTS2 KLAX	2555
KLAS MCCR3 HEC MITTS2 KLAX	2520

The Top 20 Routes Selected section is accessible from the SimRoutes home page. This section lists the top 20 most popular routes of all time. This list is based on the number times that a routes details have been viewed by Users. Each route's popularity can only be increased by one for each User session.

The Search Results Page

Origin	Route	Destination	NM	Type	Comments
KLAX	LOOP4 DAG KEPEC1	KLAS	206	HI/RNAV	2100-0700 local (0400-1400Z) u [...]
KLAX	OSHNN2 DAG KEPEC1	KLAS	205	HI/RNAV	
KLAX	LAXX5 DAG CLARR2	KLAS	205	HI/NOISE	
KLAX	LOOP4 DAG CLARR2	KLAS	206	HI	2100-0700 local (0400-1400Z) u [...]

After submitting your search criteria, SimRoutes will display a listing of your results in the Search Results section. Clicking on any of the items under the ROUTE column will take you to the Route Details page for that Route. The Search Results page consists of the following information:

- **Origin:** The ICAO code for the Departure Airport
- **Route:** The entire Route, including any SID, STAR, or Airways
- **Destination:** The ICAO code for the Arrival Airport
- **NM:** The Distance of this route in Nautical Miles. This is calculated by adding the distance of each segment on the route, and not just the simple distance between the Origin and Destination Airports.
- **Type:** Lists the categories for this Route. A Route may meet the criteria for more than one Category.
 - **HI:** High Altitude Routing
 - **LO:** Low Altitude Routing
 - **TEC:** Tower Enroute Control Routing
 - **INTL:** International Routing
 - **RNAV:** Routing for RNAV equipped aircraft only
 - **ALT:** Alternate Operations Routing
 - **NOISE:** Noise Abatement Routing
 - **MIL:** Military Routing
- **Comments:** Lists the first 30 characters of any comments for the Route. Comments longer than 30 characters will be preceded by a "[...]" indicating that additional comments may be viewed from the Route Details page.

Sorting your Results

Results are by default sorted by Origin Airport ascending, Destination Airport ascending. Users may resort the routes displayed on the results page either ascending or descending by clicking on the header of the column they wish to sort by. Results may not be sorted by the Route string.

Paging your Results

By default, SimRoutes displays only 25 routes per page. You may identify the page you are currently viewing as well as navigate to other pages in your results by viewing and/or clicking on the Page numbers located on the bottom left hand side of the Results Page.

No Routes Found

If SimRoutes is unable to find any Routes that meet your search criteria, the Results page will display no data. If this happens, we recommend that you verify that your Origin and/or Destination ICAO codes are correct in the search form. If SimRoutes does not have a route you are looking for, you may request that the route be added.

Viewing Detailed Route Information

Clicking on any of the items in the ROUTES column will take you to the Route Details page for that Route where additional detailed information regarding that route may be viewed.

The Route Details Page

The Route Details contains detailed information regarding the currently selected route such as Airport details, Notams, Weather, Charts Required, Navigation Log, and a Topographical map of your route. This page also allow you to Import your flightplan into your favorite Flight Sim 3rd Party Add-On or Pre-file your Flightplan for the VATSIM network. To access the Route Details page, simply click the Route Column on the Search Results page for the appropriate route you wish to see.

Here is an overview of the sections contains in the Route Details Page

The Route Section

CYYC - CYVR Flight Details			
Departing		Arriving	
CYYC	Calgary Intl	CYVR	Vancouver Intl
(Charts)	3557' MSL	(Charts)	14' MSL
ARTCC/FIR: (CZEG) - Edmonton FIR		ARTCC/FIR: (CZVR) - Vancouver FIR	
Route: High Altitude			
J508 BOOTH BOOTH6			

The first part of this section lists the Airport Name, ICAO, and Elevation in feet above Sea Level for both your Departing and Arriving Airports. If available, the system will also provide a hyperlink for more information about the Airport. This page will be displayed in a new window.

Below the Airport information, the ARTCC/FIR/vACC that is responsible for each of the Departure and Arrival Airports will be listed in their ICAO and Full Name formats. If available, the system will provide a hyperlink to the Center's home page. This page will be displayed in a new window.

The third element displayed are the Categories that SimRoutes has applied to this Route. This may be any combination of High Altitude, Low Altitude, International, TEC, Military, Noise Abatement, RNAV, and/or Alternate Operations.

The most important part of this section is probably the "Filed Route" data. This is the route you should be filing, entering into your FMC, exporting to a third party fuel planner, or whatever else you wish to do with the route.

Finally, any comments entered for this route specifically by the ARTCC, FIR, vACC that are responsible for both the Departure and Arrival airports are displayed. These comments often contain important information surrounding when to and when not to file these routes, as well as other pertinent information.

Route Details: NOTAMS

NOTAM	
7/30/2006:	Welcome Military pilots! Thanks to the VUSN we have added over 150 new military routes.
7/27/2006:	Fixed a bug in the map that displayed unknown waypoints as somewhere in Africa
7/23/2006:	SimRoutes dynamically generates Route files for Squawkbbox3, LDS767, and 767PIC. Check the Route Details page.
7/20/2006:	An image of your Navigation Log Route is now available, check the Route Details page.
7/9/2006:	AIRAC 0607 is now active. Please report any problems/errors via the forum.
5/15/2006:	SimRoutes.com passes half million search mark in 16 months!

The NOTAM section of the Route Details page displays any active NOTAMs (Notices To Airmen) that are associated with the currently selected Route. This possibly includes:

- o Active NOTAMs for your Departure Airport
- o Active NOTAMs for your Arrival Airport
- o Active NOTAMs for the ARTCC/FIR/vACC responsible for your Departure Airport
- o Active NOTAMs for the ARTCC/FIR/vACC responsible for your Arrival Airport
- o Active NOTAMs intended for the entire SimRoutes System as determined by SimRoutes administrators

NOTAM's are created and maintained by ARTCC/FIR/vACC's participating in the SimRoutes project. This feature was implemented in August 2006 in order to give SimRoutes users better access to real time information applicable to their specific flight plans. If you have a NOTAM that you think should be added to the System, please contact the ARTCC/FIR/vACC responsible for the Airport that the NOTAM will apply to.

Route Details: Charts & Weather

Charts

Recommended Charts	Dispatch & Enroute WX
Calgary Intl (Charts)	CYYC 312100Z 24007KT 40SM FEW079 FEW089 FEW180 22/03 A2983 RMK CU2AC1AC1 LWR AC TR SLP100
Vancouver Intl (Charts)	CYVR 312100Z 30009KT 30SM FEW030 BKN080 20/12 A3003 RMK SC2AC4 SLP169
Prefile Flightplan with VATSIM	Email Dispatch: <input type="text" value="Enter Pilot E-Mail"/> <input type="button" value="Dispatch"/>
Import SquawkBox 3 File	Import 767PIC/LDS767 File

The Charts Section of the Route Details provides you with a hyperlink that leads you to a page with all applicable Charts. A link is provided for both your Departure and Arrival Airports. As the links are provided and maintained by the responsible ARTCC/FIR/vACC - their accuracy can not be guaranteed. If you come across a broken link or have a link that may be more useful for this specific Airport, please contact either the Responsible ARTCC/FIR/vACC or a SimRoutes Administrator.

Weather


Recommended Charts	Dispatch & Enroute WX
Calgary Intl (Charts)	CYYC 312100Z 24007KT 40SM FEW079 FEW089 FEW180 22/03 A2983 RMK CU2AC1AC1 LWR AC TR SLP100
Vancouver Intl (Charts)	CYVR 312100Z 30009KT 30SM FEW030 BKN080 20/12 A3003 RMK SC2AC4 SLP169
Prefile Flightplan with VATSIM	Email Dispatch: <input type="text" value="Enter Pilot E-Mail"/> <input type="button" value="Dispatch"/>
Import SquawkBox 3 File	Import 767PIC/LDS767 File

SimRoutes provides the most up to date METAR reports available for both your Departure and Arrival airports. These METARs are not stored locally and are retrieved dynamically from the VATSIM weather servers as soon as you load the Route Details page. You may retrieve up to date weather closer to your actual departure time by reloading the Route Details Page.

Route Details: Prefiling & Imports

Recommended Charts	Dispatch & Enroute WX
Calgary Intl (Charts)	CYYC 312100Z 24007KT 40SM FEW079 FEW089 FEW180 22/03 A2983 RMK CU2AC1AC1 LWR AC TR SLP100
Vancouver Intl (Charts)	CYVR 312100Z 30009KT 30SM FEW030 BKN080 20/12 A3003 RMK SC2AC4 SLP169
Prefile Flightplan with VATSIM	Email Dispatch: <input type="text" value="Enter Pilot E-Mail"/> <input type="button" value="Dispatch"/>
Import SquawkBox 3 File	Import 767PIC/LDS767 File

Clicking on this hyperlink will take you directly to the VATSIM Flightplan Management web page and populate a number of fields based on the SimRoutes Route that you have selected. Currently SimRoutes only submits the Departure Airport, Arrival Airport, and Route of your flightplan. Future enhancements to SimRoutes will allow us to populate your aircraft type, altitude, alternate airport, time enroute, as well as your name and Vatsim Identification. This should save most VATSIM pilots precious time spent on pre flight activities, resulting in more time for you to actually fly on the network!

		<input type="button" value="Lookup Plan"/>		<input type="button" value="File Flight Plan"/>		
		<input type="button" value="Cancel Plan"/>		<input type="button" value="Clear Form"/>		
1. TYPE	2. CALLSIGN	3. AIRCRAFT TYPE/ SPECIAL EQUIPMENT	4. TRUE AIRSPEED (KTS)	5. DEPARTURE POINT	6. DEPARTURE TIME PROPOSED (Z)	7. CRUISING ALTITUDE
<input type="radio"/> VFR <input checked="" type="radio"/> IFR	<input type="text"/>	<input type="text"/>	<input type="text"/>	CYYC	<input type="text"/>	<input type="text"/>
8. ROUTE OF FLIGHT						
<input type="text" value="J508 BOOTH BOOTH6"/>						
9. DESTINATION	10. EST TIME ENROUTE HOURS MINUTES	11a. VOICE CAPABILITIES	11. REMARKS (optional)			
CYVR	<input type="text"/> <input type="text"/>	<input type="radio"/> Full Voice <input type="radio"/> Receive Only <input type="radio"/> Text Only	<input type="text"/>			

VATSIM users may go to this web page to enter their flight plan details rather than entering them via Squawkbox or FSInn. Flightplans submitted on the VATSIM Flightplan Management page will be retained for 2 hours. In order to use this page you must hold a valid VATSIM ID and Password. These may be obtained at the [VATSIM Web Site](#).

Route Details: Importing Flight Plans

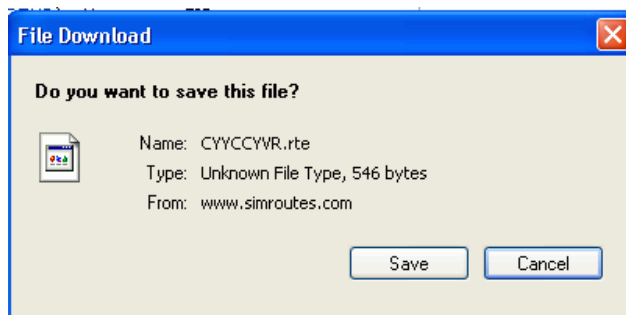
Recommended Charts	Dispatch & Enroute WX
Calgary Intl (Charts)	CYYC 312100Z 24007KT 40SM FEW079 FEW089 FEW180 22/03 A2983 RMK CU2AC1AC1 LWR AC TR SLP100
Vancouver Intl (Charts)	CYVR 312100Z 30009KT 30SM FEW030 BKN080 20/12 A3003 RMK SC2AC4 SLP169
Profile Flightplan with VATSIM	Email Dispatch: <input type="text" value="Enter Pilot E-Mail"/> <input type="button" value="Dispatch"/>
Import SquawkBox 3 File	Import 767PIC/LDS767 File

SimRoutes consists of a powerful Route Parser that can take your simple text based route and extrapolate it into a complex and dynamic flight plan containing very detailed information about your entire route. As a result of this information, SimRoutes can now dynamically generate flight plan import files on demand. These files may then be loaded into your favorite third party add on application and save you valuable pre flight time.

SimRoutes currently supports flightplan import files for Squawkbox 3, Wilco's 767: Pilot in Command, and the Level-D Simulations 767. Users of FSInn may load the Squawkbox3 files into their software at this time. SimRoutes is currently working on expanding this feature to support the PMDG (Precision Manuals) suite of aircraft, FSNavigator, Phoenix Simulation Software aircraft, and the Microsoft Flight Simulator 2002 and 2004: A Century of Flight formats.

How does it work?

From the Route Details page, click on any of the Import links, SimRoutes will create a dynamically generated flightplan import file in the format you selected and then send it to your browser for download. When your browser asks what to do with the file, select "Save to Disk".



Refer to your third party application documentation to determine the location these files should be saved, and the method used to import these files into the various applications.

Route Details: Dispatch

Recommended Charts	Dispatch & Enroute WX
Calgary Intl (Charts)	CYYC 312100Z 24007KT 40SM FEW079 FEW089 FEW180 22/03 A2983 RMK CU2AC1AC1 LWR AC TR SLP100
Vancouver Intl (Charts)	CYVR 312100Z 30009KT 30SM FEW030 BKN080 20/12 A3003 RMK SC2AC4 SLP169
Prefile Flightplan with VATSIM	Email Dispatch: <input type="text" value="Enter Pilot E-Mail"/> <input type="button" value="Dispatch"/>
Import SquawkBox 3 File	Import 767PIC/LDS767 File

Pilots may select to have all of the Details for their selected Routes emailed to their home address. This allows them to view the details offline and share it with friends who may not have access to SimRoutes.

To use this feature, type a valid email address into the Dispatch box on the Route Details Page. Once you have entered the address press the Dispatch button. This will instantly send the route details to the address specified.

NB: Due to security reasons, the Dispatch feature is currently disabled. We apologize for this inconvenience.

Route Details: The Navigation Log

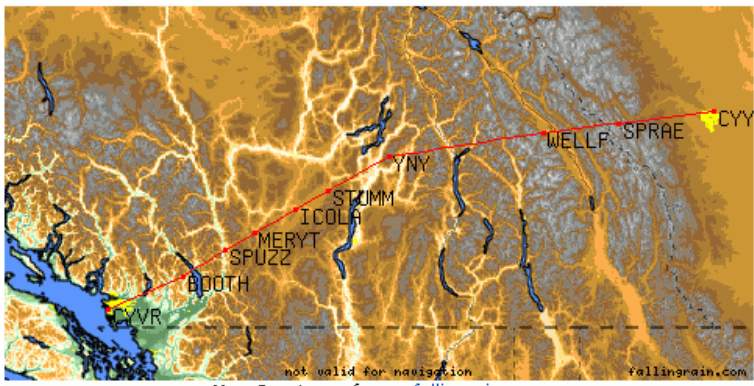
The SimRoutes Navigation Log is dynamically generated in real time by the SimRoutes Dynamic Route Parser. This engine can take a simple text based Route and transform it into a rich, powerful, and highly detailed Route - with the ability to display itself in a variety of formats. One of the most useful of these formats (for sim pilots anyhow) is the Navigation Log.

Navigation Log					
Waypoint	Name	Frequency	VIA	True Heading	Distance
CYYC	Calgary Intl			-	-
SPRAE			J508	264	55 nm
WELLF			J508	263	44 nm
YNY	Enderby	115.20	J508	262	90 nm
STUMM			J508	241	40 nm
ICOLA			J508	240	22 nm
MERYT			J508	240	27 nm
SPUZZ			J508	239	20 nm
BOOTH			J508	239	29 nm
CYVR	Vancouver Intl		BOOTH6	247	49 nm
DAFIF AIRAC 0607 (JUL06AUG07)				Total:	376 nm

The Navigation Log lists details about each waypoint in your route such as:

- The Waypoints ICAO code
- The Name of the Waypoint
- The Frequency of the Waypoint, if applicable
- The Airway or Procedure (SID/STAR) that the Waypoint is a part of
- The True Heading required to reach this Waypoint from the previous Waypoint. (This does not take Magnetic Variation into account)
- The Distance between this Waypoint and the Previous Waypoint in Nautical Miles
- The Total Distance travelled along this Route, from Waypoint to Waypoint
- The Current AIRAC Navigation Cycle that the Navigation Log is based on

Route Details: The Map



Thanks to the great work at [Falling Rain Genomics, Inc.](http://www.fallingrain.com) SimRoutes is pleased to present Pilots with a graphical representation of the Navigation Log. This map is located at the bottom of the Route Details Page, below the Navigation Log.