

A SAMPLE FLIGHT FOR CITATION X EGCC TO EGLL

BY

N HERRERA

Hello fellow simmer. Citation X is my third add on when I start flying Flight simulator again. The most difficult part receiving and flying of a new aircraft is how to start everything. I find my self making a lot of trial and error. If you are a beginner and just recently added Citation X to your collection this sample flight shall help you. I SUGGEST THAT WHEN YOU ARE INSIDE THE FLIGHT SIMULATOR ALWAYS PRESS P WHEN READING THE INSTRUCTION.

1. Okay so much for talking let us begin. Here is how to start cold and dark stage of Wilco Feelthere citation X. Go to start the click Wilco Publishing Citation X then citation X setup utility.



2. Select startup tab the click the Dark and Cold button click okay button.



3. Start MS Flight simulator 2004 or FSX



4. Change the setting as shown below. Select Cessna feelthere /Wilco.Click ok.

		SELECT A	SELECT AIRCRAFT			nd select Cessna
		Aircraft manufac Cessna - feelTher Aircraft model	sturer e:Wilco	Description Cessna Citation X Developed by www.feelThere Published by WW	feelthere/Wi	lco.
		FeetThere Citation Variation Bite ATC name 52870	IX Y	Performance specifications See Docs		
				HELP CARCEL		
5.	Click the flight planner Heathrow	button	ight <u>P</u> lanner	. I want to	o fly from Mar	ichester UK to London
			FLIGHT PLANNES	EDIT		
	Click this		Click Select to choose Click Select to choose Click Select to choose Click Select to choose S. Choose flight plan h O V/R (Visual Plan	an airport. an airport. pp gd Poden) ③FR(bostrum	SelectSelect	
			Condust routing Otional routing Otional routing Direct GPS Logue altitude all ways Otion voit Voit to Voit Spa	e Condition	een your estilings, dick ow to calculate waynoints Dead Roade	
				HELP	ICEL OK	

6. Select the departure Airport so I want to depart from Manchester international airport the Airport ID code is EGCC and the runway is 6L

	Airport name: Airport ID: Airport					
	- Search <u>r</u> esults: (3 a	airports found	() City	State / Prov.	Country / Region	
	Barton Manchester Woodford	EGCB EGCC EGCD	Manchester Manchester Manchester		United Kingdom United Kingdom	
	- Filter search results	s by				
Step 2 Select Manchester	<u>Country/Region</u> United Kingdom City Manchester			State/Province		
Step 4 Select runways 6L	Runway/St <u>a</u> rting po 6L	osition		€iear Eiter	ch default scenery ch add- <u>o</u> n scenery	
			HELF			

To the any gate you want.)

7. Select the Destination Airport.

	ſ	SELECT AIRP	ORT				• •	
		Search for: Airport <u>n</u> ame: Heathro w	- <i>MA</i>	Airport	: <u>]</u> D: Aii	rport city:		
		- Search <u>r</u> esults: (5 air) Hame	oorts found	l)	State / Prov.	Country / Region		
		Gatwick Heathrow London City Luton	EGKK EGLL EGLC EGGW	London London London		United Kingdom United Kingdom United Kingdom		
Step 1 Select United	Kingdom	Stansted	EGSS	London		Ste	p 3 Select I	EGLL
		- Filter search results by Country/Region United Kingdom City London	y	T T	State/ <u>P</u> rovince			
				HELF	Step	2 Select Lon	don]



8. Since it not so far I want to select the low altitude because it's a 30 min Ride

9. The flight planner will show your Waypoints let us save it for future games.



10. Click save

	FLIGHT PLANNEF		Click save			
	File name: Inchester to Heathrow PLN IFR Basa AB to Fort Ma IFR Bisgnac to Heathrow E IFR Namad Azikwe Int IFR Sangley AB to Ninc IFR Schiphol to Nincy / VFR Clark Int to Nincy / VFR Clark Int to Nincy / VFR Clark Int to Nincy / Save file as type: Flight Plan Files	Folders: c:\\light simulator files C:\\light simulator files C:\\ C:\	OK Cancel	EGLL		
C <u>r</u> uising altitude 25000						

11. Select ok button.



12. Click the Yes button.

FLIGHT PLANNER
CREATE EDIT
Type ID Airport EGCC VOR Intersection INDB EGL
Do you want Flight Simulator to move your aircraft to the departure airport listed on the flight plan?
Cruising attitude 25000 🔶 feet Delete Waypoint
Save Load Clear HavLog
HELP CANCEL OK

13. click fly now

	CREATE A FLIGHT	8
	(041° 110.3 VEN)	
	Selected aircraft Selected location	
GETTING STARTED	Cessna - feelThere/Wilco FeelThere Citation X 2 Manchester	
NEWS	CHANGE	
CENTURY OF FLIGHT	Selected weather Selected time and season	
CREATE A FLIGHT	3 Clear 4 04/05/2008 13:44	
SELECT A FLIGHT	Спатос	
FLYING LESSONS	Start flight with ATC window open	
MULTIPLAYER	Save Flight Fuel and Payload Failures Flight Planner	
LEARNING CENTER	-	
SETTINGS		
Click to launch the simu	lator and begin flying.	



14. Here in this example we are starting on a runway 6 Left. It's forbidden in the real world.

15. Press Shift + 2 on the keyboard to show the system panel.



- 16. On the DC POWE SECTION panel turn on the following
 - a. BATT1
 - b. BUS 1
 - c. LH GEN
 - d. XTIE
 - e. RH GEN
 - f. BUS 2
 - g. BATT 2
 - h. EXT PWR
 - i. AVIONICS
 - j. STDY PWR



AFTER



17. Prepare to start APU



18. By this time the word avail is show on the DC power let us turn it off

Before



After



OR



19. HERE IS HOW TO START THE ENGINE

On the fuel section turn on the FUEL CUT OFF TO ON so the fuel will start flowing to engine Left and right. ARM the EMER LT

BEFORE



AFTER



20. Before starting the Engine make sure the brake is set. If not then set it by pressing Ctrl+ Period





21. Switch the IGNITION RH to ON then click RH button on the Engine Start.

You shall hear engine starting follow the progress on the right EICAS.

Before start



After start





22. On DC POWER turn of the OFF the XTIE button to CLSD and turn on the CABIN PAC to ON. In addition turn the knob of R ENG BLD AIR to HP/LP

AFTER



BEFORE Step 01 click to ON

23. Time to start Engine Left. Turn the on the IGNTION for LH

AFTER



You shall hear engine starting follow the progress on the right EICAS.

Before start



after start



SAMPLE FLIGHT OF FEELTHERE.COM WILCO PUBLISHING CITATION X By: HERRERA



BEFORE



AFTER

25. Let us align the aircraft. Press **Shift+2** to hide the overhead panel Press **Shift+4** to show pedestal.



26. Switch the knob to ALGIN



27. Wait for few minutes to align our navigation instrument.



28. Now its aligned



29. Switch back to NAV.





30. Press Shift+4 to hide the control panel. Let us programme the CDU press Shift + 3

31. Let us check what is that button on the left and right side.



1L means 1st button to the left 3 R means 3rd button to the right and so on...

Let us enter the routes OPTION 1 MANUAL ENTERING OF ROUTES

32. click NAV button



33. Let us enter our initial position which is Manchester also know in by all pilot as EGCC





34. Now where are we??? Which one is it??



35. Press Y key in the keyboard to show your present position.



36. Press Y again to remove that number and resume to programming.



37. So GPS position will not lie in the real world let us choose 3 R



38. Press CLR and click NAV again



39. Let us enter the Origin EGCC (Manchester international)



40. Let us enter our destination EGLL (London Heathrow)





41. Please have a look on you flight plan in step No 9 on page 5. A list of waypoints is shown on the flight planner dialog box. First on the list is HON.



42. Oh uh! What is this? This means there is duplication. Go to Flight plan. Press ALT on the keyboard then Flight then flight plan. Click Find Route then on the list box click HON. Zoom in to HON by clicking the a icon. Then click the icon of HON. So the choice is 1L. DO NOT CLICK LOAD! PRESS CANCEL ON THE FACILITY INFORMATION DIALOG AND CANCEL ON FLIGHT PLANNER DIALOG AND RETURN TO FLIGHT SIM.



43. So the obvious choice is 1L



44. Now according to the flight plan after HON is BEREK so enter BEREK now.





45. Just like HON, BEREK has a duplicate name. Go to flight plan again and check the coordinates of BEREK



46. So the choice is 1L





47. Click the next page to add more waypoint. Then type COWLY and click 1L



48. Let us enter the last waypoint WOD. Finally EGLL



OPTION 2 AUTOMATIC ENTERING OF ROUTES

49. Here is the fast way of entering the routes.



DONE!!!

50. So it's your choice Option 1 or Option 2. So let us continue..

51. (I used the Manual entering) . Let us enter our Departure which is runway 6 Left.



Step 1 0 . 5 0 5 0 Step 3 Click 3R NAV INDEX ARRIVAL EGLL RUNWAY Click 1L AIRPORT LIST FPL SEL E **409**L 27 R **APPROACH** DATA BASE **409** R **∢**s t a r **d**EPARTURE ARRIVAL Z Step 2 LANDING SENSORS TUNE **APPROACH** ARRIVAL Click 1L PERF NOV PREY NEXT FPL PERF NAV FREV REAL FPL PROG DR PROG DIR PERF NAY PREY REXT FPL PROG DR -BRT 0 23 A BCDEE 0 2 A в C D E E A BCDEE 0 23 4 6 6 G 4 6 6 46 G GHIJKL 6 NOPQR 789 MNOPQR 000 MNOPQR 000 м 00 STUVW 00 STUVW STUVW 00 8 6 0 9 X Y Z 🖭 🖙 00 XYZEQ 00 X Y Z 🖭 🖙 🕒 🕖 0 Ģ 5 GISSI (Second 9 EGLL APPROACH Step 4 Step 5 ACTIVE FLT PLAN ARRIVAL 1/4 AIRPORT ILSDME
09L ILSDME 27R ■RUNWAY RW09L SPD CMD ORIGIN W06L EGCC Click 4R Click 4R APPROACH ILSDME
09R 166° 64.1NM ION 00+15 4ILSDME
27L 159° 47.0NM BEREK 00+11 **∢**star ARRIVAL **AREVIEW** ACTIVATE **d**EPARTURE PERF INIT. PERF NAV FREV NEXT FPL PROG DIR PERF NAV FREY REXT FPL PROG DIR PERF NAV PREY NEXT FPL PROG DR 80 BRT . Step 6 ABCDEE 2 3 A BCDE E 1 2 3 0 ABCDEE 023 Click GHIJKL 466 GHIJKL 4 6 6 4 5 6 NEXT MNOPQR 789 089 MNOPQR 089 MNOPQR S T U V W X Y Z E OK 00 00 s t u v w 💿 O STUVW 6 D 0 9 0 O 0 XYZ 🗷 🖙 🕘 🕖 X Y Z DEL COR 0 0 • Step 8 Click 3L ACTIVE FLT PLAN ACTIVE FLT PLAN 2/4 Step 7 160° 2.7NM COWLY 00+00 160° 2.7NM COWLY 00+00 (WHY?) We need 150° 12.0NM WOD 00+02 150° 12.0NM WOD 00+02 DES DES Click 0 to connect the -DEL waypoint to the ◆DEPARTURE
DELETE PERF INIT *DEPARTURE
DELETE arrivals. PERF NAV FREV MEXT FPL PROG DR PERF NAV FREY NEXT FPL PROG DR . BRT 123 BCDEE 003 ABCDEE 460 GHIJKL 466 MNOPQR 789 00 STVW STUVW 00 9 0 0 XYZBBBO X Y Z 🗷 🗷 🖯 🕖 DSPLY TAK TAKA MAD DETSET 9 2 ACTIVE FLT PLAN 2/4 2.7NM 00+00 COWLY 12.0NM 00+02 150° WOD DES ---/0000 089° 14.6NM RW09L 00+05 150 DES 3.0°/0133 **d**eparture PERF INIT. Done!! PERF NAV FIREV MEXT FPL PROG DIR BRT A BC D E E 0 2 3 к 4 6 6 ۵ 🗉 J G N 0 P Q R 0 8 9 м W S T U V 00

X Y Z 🖭

CLR

00

8

53. Let us put in Arrival. Let me choose Runway 9L as our arrival.

- Step 3 Click DGBLD, MSD OFFSET APRCH TRANSPORT AND TRANSPORT DSPLY 0 **NEXT** four PERFORMANCE INIT PERF INDEX 1/2 Step 2 times until you ACFT TAIL # PERF DATA Click 1L **■**PERF PLAN reach the last TAKEOFF DATA SOURCE FULL PERF **CLIMB** CRUISE page 5/5 AIRCRAFT DB **descent** LANDING PERF NAY PREY NEXT FPL PROG DIR PERF NOV PREY NEW UIK BRT A 0 в С D E E 2 3 BCDEE 23 A 0 Step 1 4 5 6 H 🗉 J K G G ۵ 🗉 JK L 4 66 Click 789 Μ NOPQR м NOPQR 000 S T U V W X Y Z E ar PERF 00 S T U V W 00 0 0 0 X Y Z 🗷 🗷 🕒 🕖 00
- 54. Let us go for the performance.

55. Let us fill up the blanks. Using the Numeric key pad of the CDU



56. Let us confirm.





00

0

STUVW XYZ08.08

9

00

- Step 3 Click 0 . **NEXT** Three PERFORMANCE INIT 1/5 PERF INDEX 1/2 Step 2 ACFT TYPE times until you **●**PERE INIT PERF DATA TAIL # 52870 Click 1L **●**PERF PLAN TAKEOFF DATA SOURCE reach the last **CLIMB** CRUISE page 4/5 **■**DESCENT LANDING AIRCRAFT DB PERF NAV FREV HERE INVO UK BRT PERF NAV PREV NEXT FPL PROG DIR RPT A в CDE 3 BCDEE 23 E 2 0 Step 1 A GHIJKL 4 5 6 66 4 G Click MNOPQR 789 MNOPQR 080 PERF S T U V W X Y Z E GR STUVW 00 00 0 0 0 X Y Z DEL QR 00 00 . D 9 PERFORMANCE INIT 4/5 PERFORMANCE INIT Step 4 using TRANS ALT SPD/ALT LIM 18000 250/10000 TRANS ALT SPD/ALT LIM 250/10000 Step 5 INIT CR2 ALT ISA DEV 2000 (OPTIMUM) +0°C CR2 WINDS AT ALTITUDE 000T/00 0000 INIT CRZ ALT 2000 (OPTIMUM) the alpha ISA DEV +0°C Click 2L AT ALTITUDE CRZ WINDS 000T/00 numeric PLAN 4PERF PLAN
 FL100 keypad type FL100 PERF NUV FREV HELT FPL PROG PERF HUNY FREV HELT FPL PROG (flight level CDEE 0 2 3 ABCDEE 23 0 1000ft) J K C 4 6 6 G 4 6 6 789 M N O P Q R S T U V W X Y Z B OR м 089 S T U V W 💿 O 0 0 0 XYZBB 0
 - PERFORMANCE INIT CRZ ALT DEV +0°C CRZ WINDS ALTITUDE PERF NAV FREV NEXT FPL PROG DIR BCDEE 1 2 3 L J K L O P Q R T U V W Y Z GG GA 4 5 6 7 8 9 0 0 м Ν

57. Let us enter the cruising altitude.



58. Now hide again the CDU by pressing Shift +3 and let us set up the FMS knob.

59. Click the bearing knob to select FMS1 and FMS2



After

60. click the FMS so that our aircraft will navigate using the waypoints entered in the CDU



61. Let us set up the V Speed on the Navigation Display or ND. Shown below it is 5 buttons.





62. Let us do the same procedure for V2 and V3 as shown in the figure below.

- 63. Let us set up the CRS and HDG. CRS is for Landing we are landing on EGLL runway 9L. If you look on the flight planner again and click EGLL zoom in and click the runway you shall see the Course of runway 9L
 - CAT III ILS/DHE 09L (IAA)

 Type:
 ILS

 Frequency:
 110.30 HHz

 Heading:
 93

 Horse:

- 64. Press Shift+4 to show the pedestal again. The click the HDG button and watch the ND as it adjust



Step 1 Click the right side to increase the number of Alt



65. Then set up the initial altitude say 5000 Ft.

66. Let us radio tower to give a go ahead to take off



67. Set the flaps to 5





68. Set the TCAS.





69. turn on the taxi light





70. Press Shift + 4 to hide the pedestal. Then press Shift + 2 to show the system panel. Let us turn on some lights.



71. Turn on the CTR WING XFER



72. Let us configure the STAB to 6.0



To do this press **End** key to increase the number or **Home** to decrease the Number



After.







73. Let us turn on the TCAS



74. Let us turn on the Navigation buttons and other stuff.



75. Now we let us call the tower and request for take off.

RADIO

KLM 6201 heavy, cleared for takeoff runway 6L, straight-out departure approved.

KLM 6201 heavy, taxi to and hold short of runway 6L via taxiway runway 6L. Contact tower on 118.625 when ready.



76. Release the parking brake by pressing the period key and hit F4 key for full throttles.



77. After reaching VR speed pull up the joystick nose up 15 Degress.



78. After reaching 1000 feet pull up the gear by pressing G. You can also found the landing gear lever from pressing **Shift+2** and click it up.



- Click this to flaps UP Step Click F5 Key F6 **F7** F8 F5 OR 80. Press all the Auto pilot button. Step Click AP HDG ALT FLC AP NAV VNAV 000 10 APP BANK VS MIRIM BC PFD SEL STBY
- 79. Retract the flaps. Press F5 or show the pedestal panel by shift+ F4.

81. The FMS take effect as our citation turns to the first way point HON.





82. Encountering High speed!!! Slow down by pulling the throttle back to almost idle and let the red tape go.

83. Now as it goes down it may go below 250 knots so we increase the throttle back to the middle or optimum





84. Now let us change our Altitude as per our CDU up to 10000 feet press Shift F4 and adjust altitude knob.





FMS2 $^{\circ}$

85. Now as we have reached the altitude marker we must be on a cruising speed (this is the hardest part)

86. Now get a cup of tea call the flight attendant her name is Candy.





reduce the altitude down to 2500 ft.

87. According to our CDU on to our waypoint BEREK we should be descending to around 9600 ft. Then passing to COWLY but we must be down to 2500 Ft by COWLY Due to its so close to the airport.



88. Press Shift +4 to show the pedestal.







89. Immediately hide the pedestal by pressing shift+4 then click VS also known as vertical speed .



If we encounter the over Speed warning we should put the throttle to idle.

90. As show below the vertical speed is -1600 as we approaching WOD we must be on level 2500 ft.



91. Our speed is falling down to less than 200 Knots let us maintain between 180 and 185 knots by pushing UP an DOWN the throttles to balance it.





92. Let us contact Heathrow tower and get clearance for arrival at runway 9 Left.

RADIO

KLM 6201 heavy, cleared to land runway 9L.

KLM 6201 heavy, Heathrow Tower. Make straight in, runway 9L. Altimeter 2992.

93. Citation X slowly turn to final approach as it descent to 2500 ft. Press Shift +4 to hide pedestal.



(Non precision approach)

94. Well unlike 747, 737 and Airbus, Citation X has no Autoland instead you can perform a similar autoland by as we center the runway 9L. Let us check our approach plate. It show us that we start gliding down to earth 7.5 NM away from the runway threshold.







95. Press **G** on the keyboard to deploy the landing Gear.

96. We are definitely near Heathrow. Let us maintain our speed to between 145 to 155 knots



97. Watch closely the distance from the runway 09L by looking at Navigation display. Remember we are looking for 7.50 NM. To make sure that we will be in the runway, let us watch it on 7.30 NM.



98. Now it's down to 7.3 NM let us hit the VNAV.



48

99. Watching our speed that it will not exceed 155 and below 145 knots. While looking for the 500 ft altitude relative to the ground. Looking forward at the runway.



100. We should Disengage Autopilot by 500 ft above the runway so we can align to the runway manually.





101. Looking outside view you can see that we are **not aligned**, so we should do it ourselves.

102. Deploying the flaps to SLATS by pressing F7



- 103. Disengage the autopilot by pressing **Z** on the keyboard

104. Now you are in control. Please align to the runway. Use you a little rudder so that you will not bank too much.





105. Check your speed you don't want to stall when you are about to land. It must be between 140 to 150 knots.

106. Nose up a little bit.



107. Touch down!!! Deploy the speed brakes and reverse thrusters!!!





108. As you stop press





Call ATC and get your assign taxiway to Gate. I am going to see my daughter Beatrice in London and enjoy the rest of the day. Thank you for a nice landing.

I am not a Citation X pilot and this manual is for Microsoft Flight simulator only. This sample flight is dedicated to my beloved daughter Beatrice. Thanks to Mr. Christophe Modave. Thank you to **Wilco Publishing** and www.**Feelthere.com**. Please do more!



Recommended Software:

