



Planning Tools

Little Navmap
and
Sky Demon



AN INTRODUCTION TO LITTLE NAVMAP



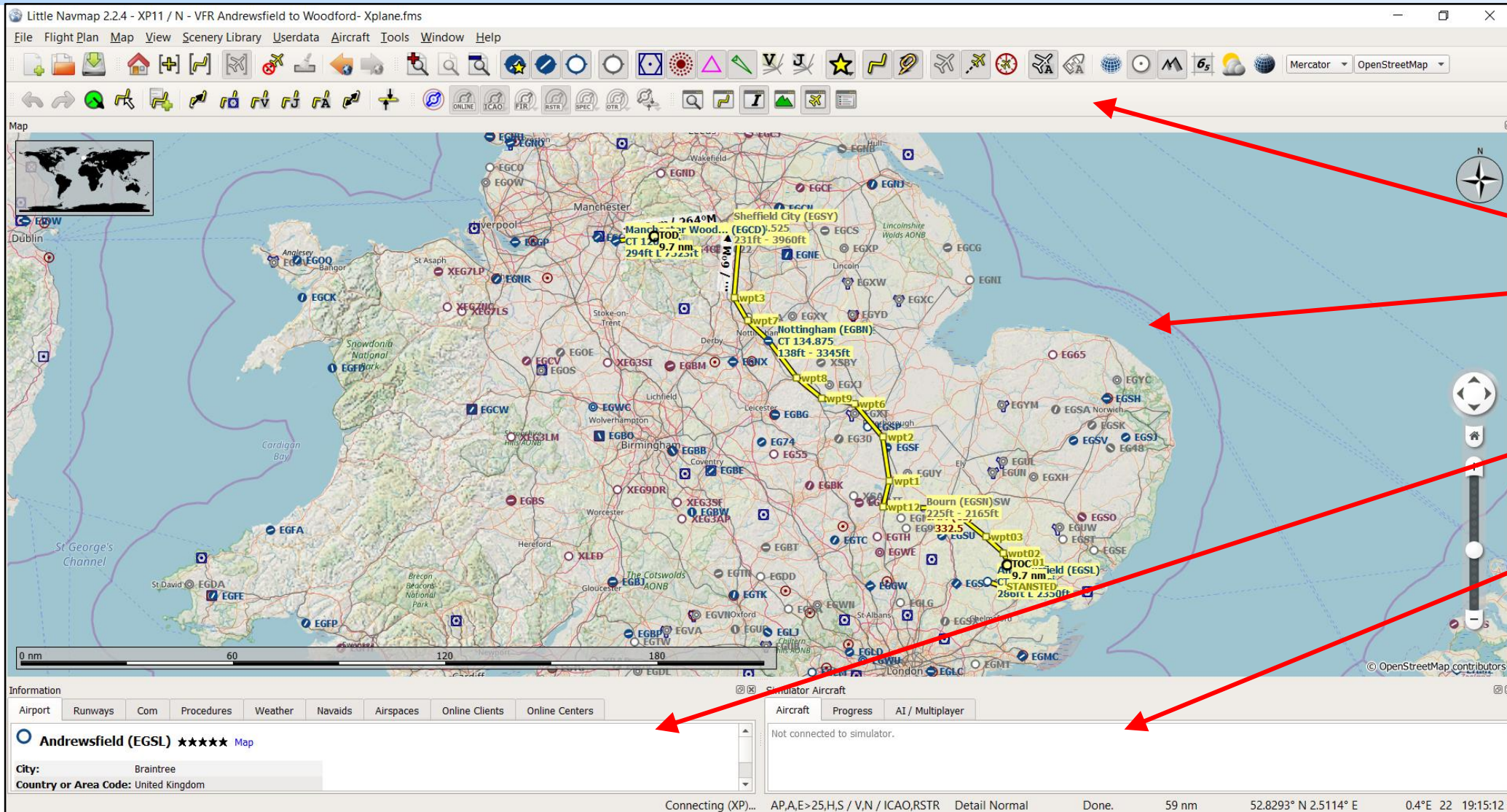


LITTLE NAVMAP

- LITTLE NAVMAP IS AN EASY TO USE FLIGHT PLANNING PROGRAM THAT OFFERS A GOOD ASSORTMENT OF TOOLS TO HELP YOU COMPLETE THE TASK
- LITTLE NAVMAP WORKS WITH THE FOLLOWING SIMULATORS
 - MICROSOFT FSX
 - LOCKHEED MARTIN PARPAR3D (V2 AND ABOVE)
 - X-PLANE 11



FIRST LOOK AT LITTLE NAVMAP



- TOOLBAR
- MAP
- INFORMATION SUB PAGE
- SIMULATOR SUB PAGE



INSTALLING LITTLE NAVMAP

- INSTALLATION IS EASY
 - DOWN LOAD THE ZIP FILE FROM THE DEVELOPER
 - UNZIP THE DOWNLOAD AND COPY THE CONTENTS TO A FOLDER OF YOUR CHOICE
 - CREATE A DESKTOP SHORTCUT TO LITTLENAVMAP.EXE
- FOLLOW THE EXCELLENT DOCUMENTATION TO COMPLETE THE CONNECTION TO YOUR SIM
 - IF YOU HAVE A NAVIGRAPH SUBSCRIPTION ADD LITTLE NAVMAP TO THE FMS DATA DOWNLOAD SERVICE TO UPDATE INFORMATION TO THE LATEST AIRAC

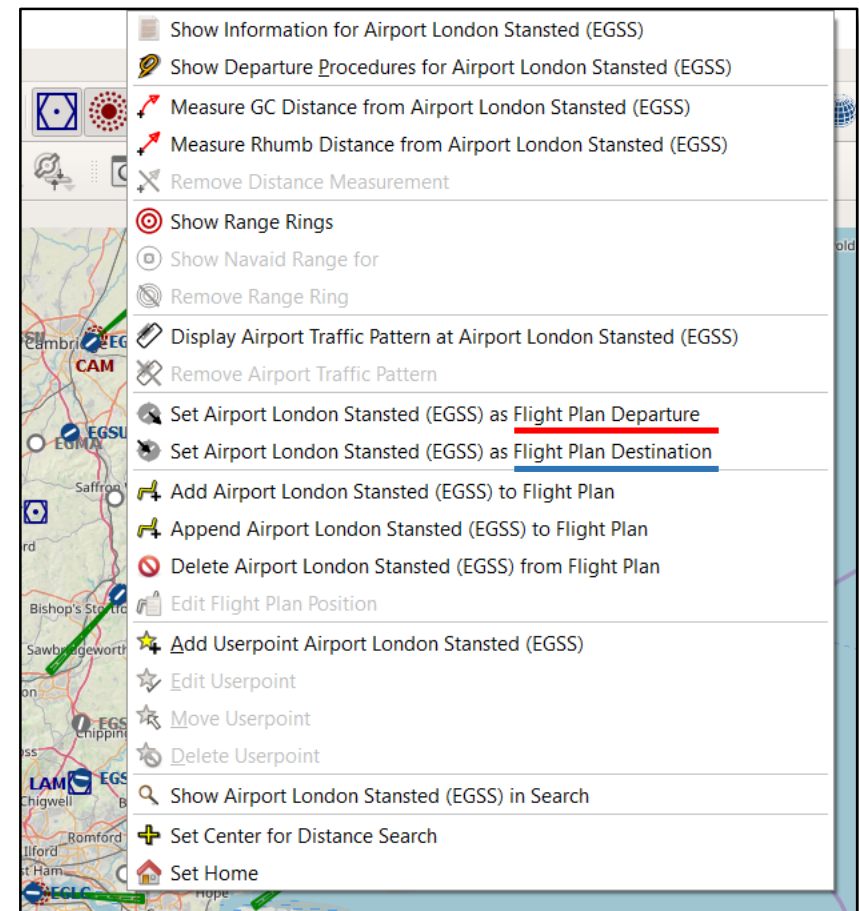


LITTLE NAVMAP DATA SETUP

- UNLIKE PLAN-G, LITTLE NAVMAP USES YOUR SIMULATOR DATA BY DEFAULT
- THIS IS EXPANDED AND UPDATED IF YOU USE NAVIGRAPH
 - CONNECTION TO YOUR SIMULATOR IS DEFINED DURING SETUP AND IS AUTOMATIC
 - THE ORDER OF STARTING LITTLE NAVMAP AND YOUR SIMULATOR IS UNIMPORTANT

CREATING YOUR FIRST PLAN

- USING A STANSTEAD TO GATWICK POSITIONING FLIGHT WE START BY RIGHT CLICKING THE STANSTEAD AIRPORT SYMBOL
- SET THE AIRPORT AS THE
 - FLIGHT PLAN DEPARTURE
- NEXT RIGHT CLICK GATWICK
- SET THE AIRPORT AS
 - FLIGHT PLAN DESTINATION



CREATING YOUR FIRST PLAN

- THE POINT TO POINT ROUTE IS DEFINED



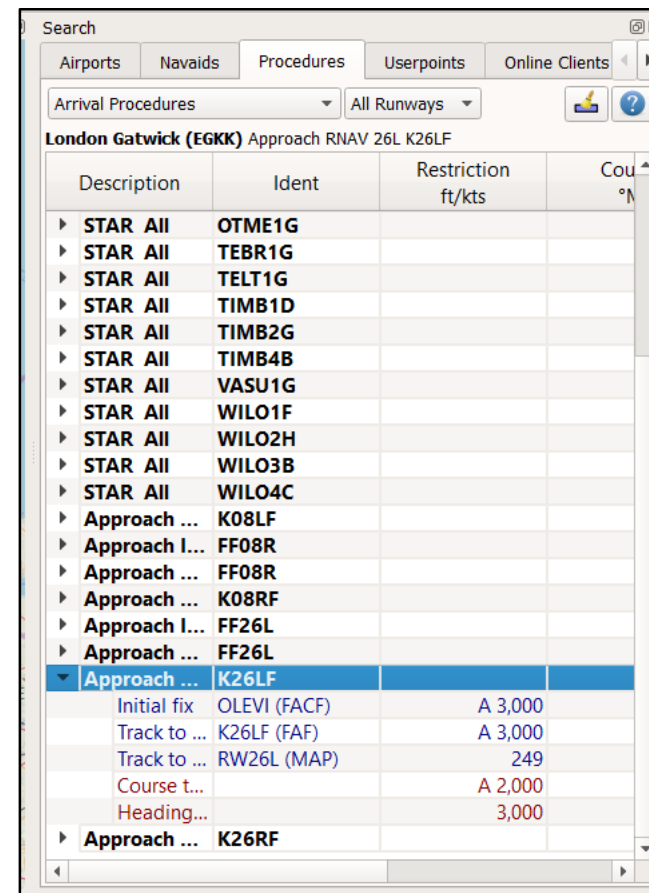
NOTE

TOC AND TOD ARE SHOWN BASED ON
DEFINED ALTITUDE

DISTANCE AND HEADING IS ALSO SHOWN

CREATE YOUR FIRST PLAN

- BY RIGHT CLICKING AN AIRPORT YOU CAN SELECT PROCEDURES
 - SIDS
 - STARS
 - APPROACHES



Search

Airports Navaids Procedures Userpoints Online Clients

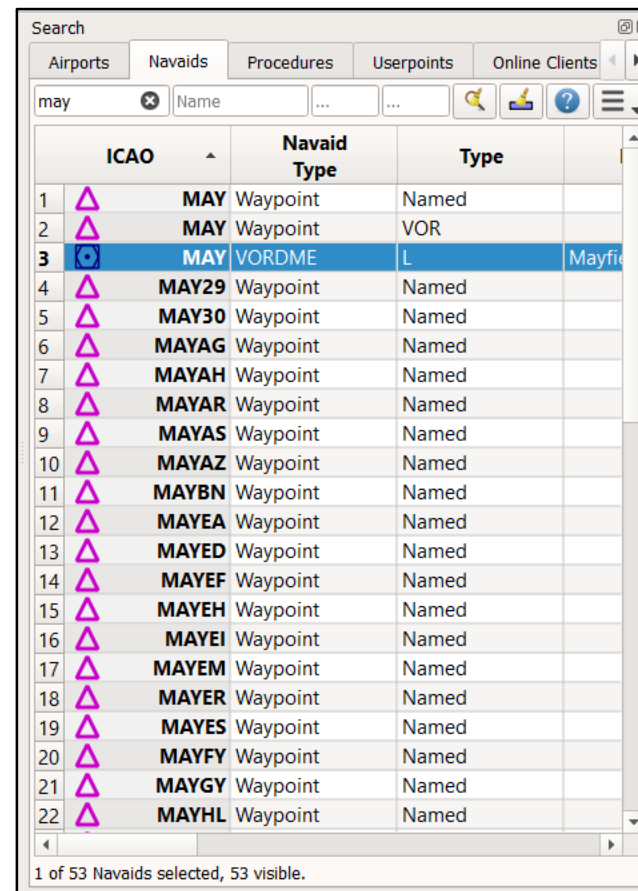
Arrival Procedures All Runways

London Gatwick (EGKK) Approach RNAV 26L K26LF

Description	Ident	Restriction ft/kts	Cou °M
▶ STAR All	OTME1G		
▶ STAR All	TEBR1G		
▶ STAR All	TELT1G		
▶ STAR All	TIMB1D		
▶ STAR All	TIMB2G		
▶ STAR All	TIMB4B		
▶ STAR All	VASU1G		
▶ STAR All	WILO1F		
▶ STAR All	WILO2H		
▶ STAR All	WILO3B		
▶ STAR All	WILO4C		
▶ Approach ...	K08LF		
▶ Approach I...	FF08R		
▶ Approach ...	FF08R		
▶ Approach ...	K08RF		
▶ Approach I...	FF26L		
▶ Approach ...	FF26L		
▼ Approach ...	K26LF		
Initial fix	OLEVI (FACF)	A 3,000	
Track to ...	K26LF (FAF)	A 3,000	
Track to ...	RW26L (MAP)	249	
Course t...		A 2,000	
Heading...		3,000	
▶ Approach ...	K26RF		

CREATE YOUR FIRST PLAN

- YOU CAN ALSO SEARCH FOR NAVAIDS
 - VOR/DME
 - DME
 - NDB
 - WAYPOINTS



Search

Airports Navais Procedures Userpoints Online Clients

may Name

	ICAO	Navaid Type	Type	
1	MAY	Waypoint	Named	
2	MAY	Waypoint	VOR	
3	MAY	VORDME	L	Mayfi
4	MAY29	Waypoint	Named	
5	MAY30	Waypoint	Named	
6	MAYAG	Waypoint	Named	
7	MAYAH	Waypoint	Named	
8	MAYAR	Waypoint	Named	
9	MAYAS	Waypoint	Named	
10	MAYAZ	Waypoint	Named	
11	MAYBN	Waypoint	Named	
12	MAYEA	Waypoint	Named	
13	MAYED	Waypoint	Named	
14	MAYEF	Waypoint	Named	
15	MAYEH	Waypoint	Named	
16	MAYEI	Waypoint	Named	
17	MAYEM	Waypoint	Named	
18	MAYER	Waypoint	Named	
19	MAYES	Waypoint	Named	
20	MAYFY	Waypoint	Named	
21	MAYGY	Waypoint	Named	
22	MAYHL	Waypoint	Named	

1 of 53 Navais selected, 53 visible.

CREATE YOUR FIRST PLAN

- YOU CAN NOW VIEW YOUR PLAN

CRUISE
ALTITUDE /
FLIGHT LEVEL

Flight Plan

Plan * Aircraft

7,000 ft IFR

London Stansted (EGSS) Runway 04 to London Gatwick (EGKK)
 Depart runway 22 via SID DET1R . Via RNAV K26LF (R26L) to runway 26L .
 100 nm, 1 h 00 m, Direct

	Ident	Region	Name	Proce
1	EGSS		London Stansted	
2	RW22			SID DET1
3	D223A	EG		SID DET1
4	DET30	EG		SID DET1
5	D334Y	EG		SID DET1
6	NEPNA	EG		SID DET1
7	DET	EG	Detling	SID DET1
8	LARCK	EG		
9	TIMBA	EG		
10	MAY	EG	Mayfield	
11	OLEVI (FA...	EG		Approach
12	K26LF (FAF)	EG		Approach
13	RW26L (M...			Approach
14				Missed R
15				Missed R
16	EGKK		London Gatwick	



THE COMPLETE PLAN

Little Navmap 2.2.4 - XP11 / N - *

File Flight Plan Map View Scenery Library Userdata Aircraft Tools Window Help

7,000 ft IFR

London Stansted (EGSS) Runway 04 to London Gatwick (EGKK)
Depart runway 22 via SID DET1R . Via RNAV K26LF (R26L) to runway 26L.
100 nm, 1 h 00 m, Direct

Ident	Region	Name	Proce
1 EGSS		London Stansted	
2 RW22			SID DET1
3 D223A	EG		SID DET1
4 DET30	EG		SID DET1
5 D334Y	EG		SID DET1
6 NEPNA	EG		SID DET1
7 DET	EG	Detling	SID DET1
8 LARCK	EG		
9 TIMBA	EG		
10 MAY	EG	Mayfield	
11 OLEVI (FA...)	EG		Approach
12 K26LF (FAF)	EG		Approach
13 RW26L (M...)			Missed R
14			Missed R
15 EGKK		London Gatwick	

Information

Airport	Runways	Com	Procedures	Weather	Navaid
EGSS					

Elevation: 195 ft
Magnetic declination: 0.6° West
Transition altitude: 6,000 ft
Coordinates: 51.1544° N 0.1883° W
Sunrise and sunset: 03:28, 20:44 UTC (civil twilight, real date)

Facilities
Add-on, Aprons, Tower Object, Procedures, ILS, VASI, ALS

Runways
Hard, Lighted

Flight Plan Elevation Profile

7,000 ft
6,000 ft
4,000 ft
2,000 ft
0 ft

EGSS 348 ft
D223A
DET30
D334Y
NEPNA
DET
LARCK 47 nm
TIMBA
MAY 23 nm
OLEVI
EGKK 195 ft

Search

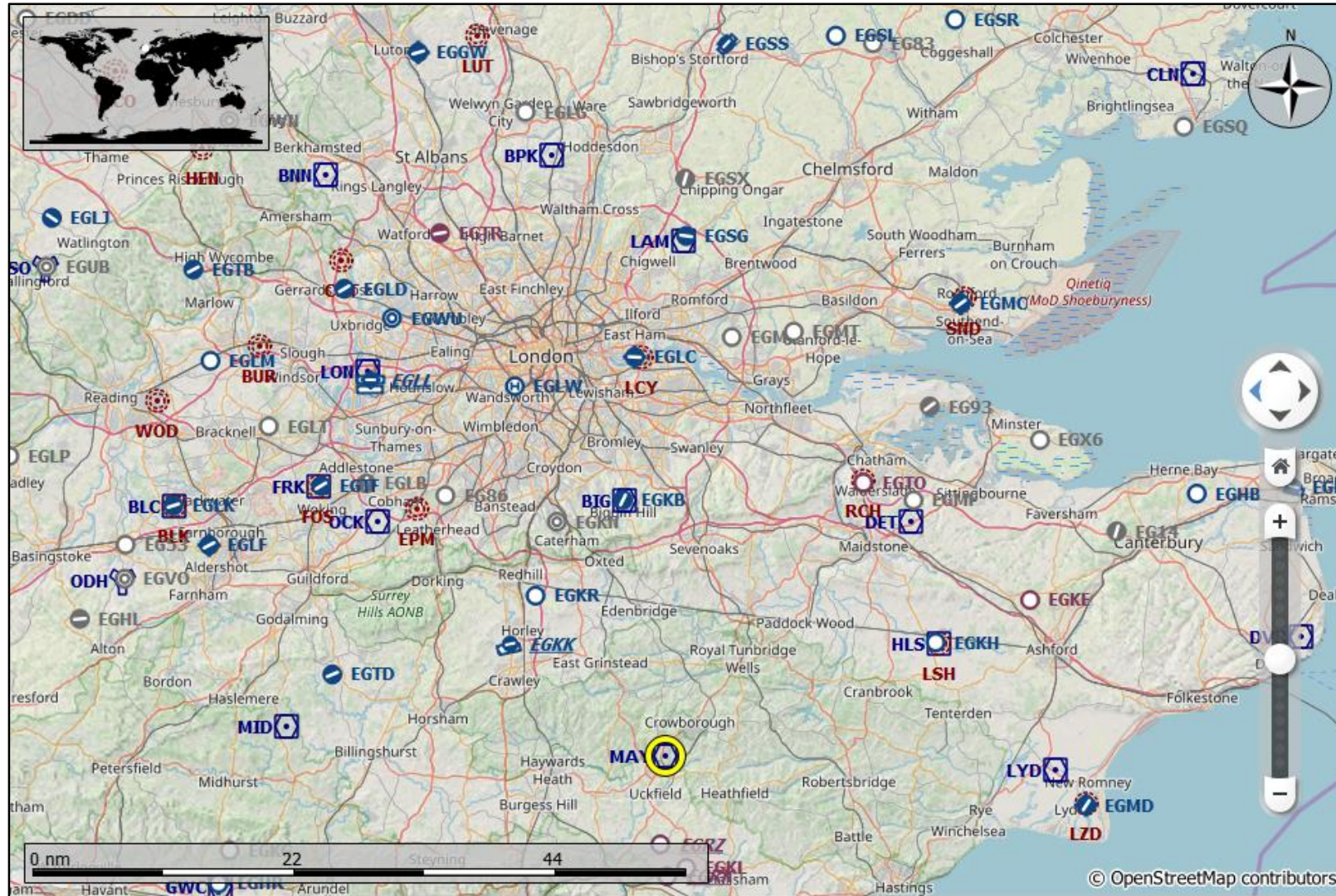
ICAO	Navaid Type	Type
1 MAY	Waypoint	Named
2 MAY	Waypoint	VOR
3 MAY	VORDME	L
4 MAY29	Waypoint	Named
5 MAY30	Waypoint	Named
6 MAYAG	Waypoint	Named
7 MAYAH	Waypoint	Named
8 MAYAR	Waypoint	Named
9 MAYAS	Waypoint	Named
10 MAYAZ	Waypoint	Named
11 MAYBN	Waypoint	Named
12 MAYEA	Waypoint	Named
13 MAYED	Waypoint	Named
14 MAYEF	Waypoint	Named
15 MAYEH	Waypoint	Named
16 MAYEI	Waypoint	Named
17 MAYEM	Waypoint	Named
18 MAYER	Waypoint	Named
19 MAYES	Waypoint	Named
20 MAYFY	Waypoint	Named
21 MAYGY	Waypoint	Named
22 MAYHL	Waypoint	Named

1 of 53 Nav aids selected, 53 visible.

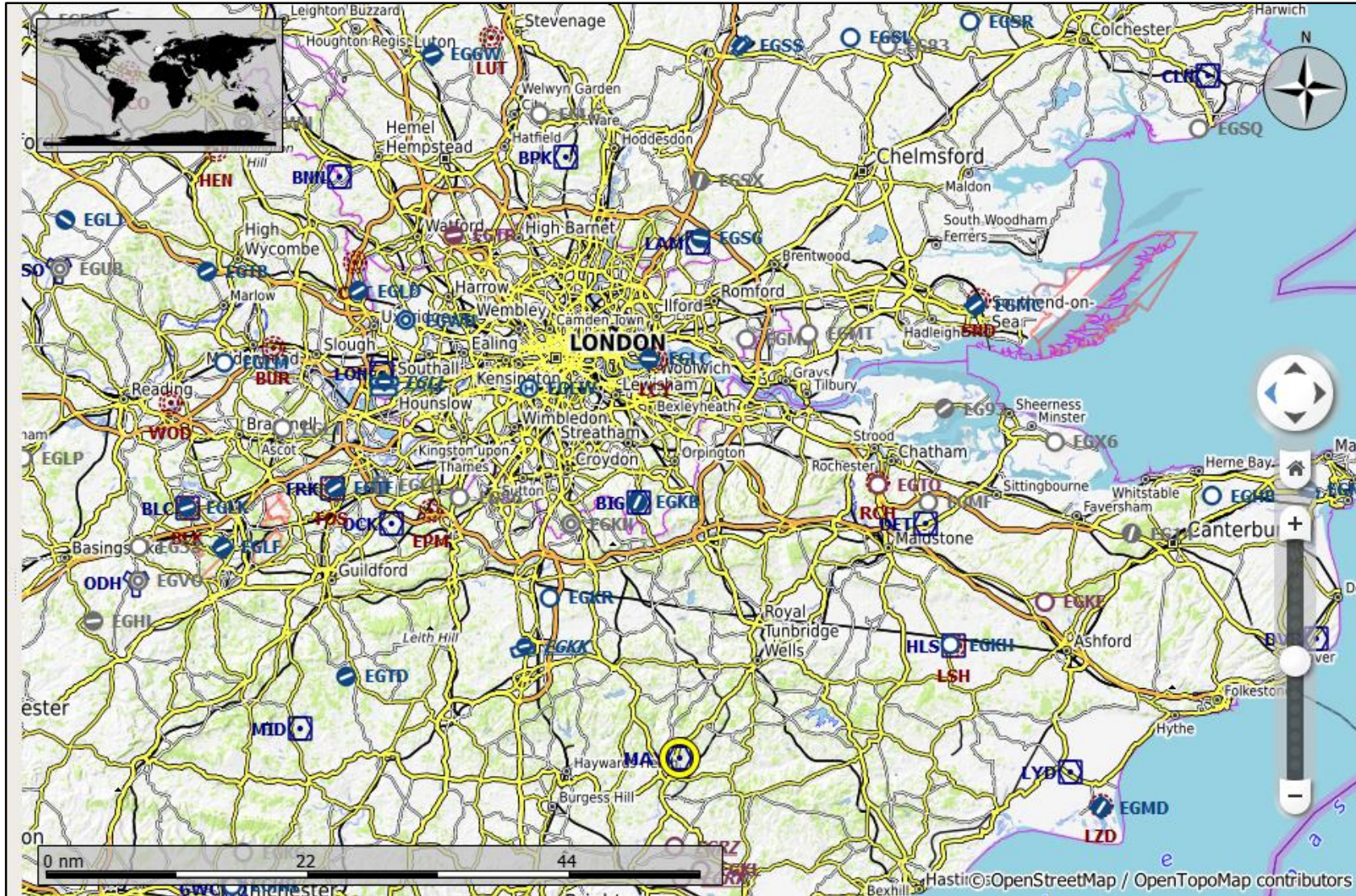
Connecting (XP)... APA,E,H,S / V,N,I / ICAO,RSTR Detail Normal Done. 29 nm 51.5463° N 1.1288° E 0.1°E 22 21:07:32 Z

- FLIGHT PATH
- FLIGHT PLAN
- AIRPORT INFO
- ELEVATION PROFILE
- SEARCH WINDOW

MAP VIEWS - OPEN STREET MAP



MAP VIEWS - OPEN TOPO MAP

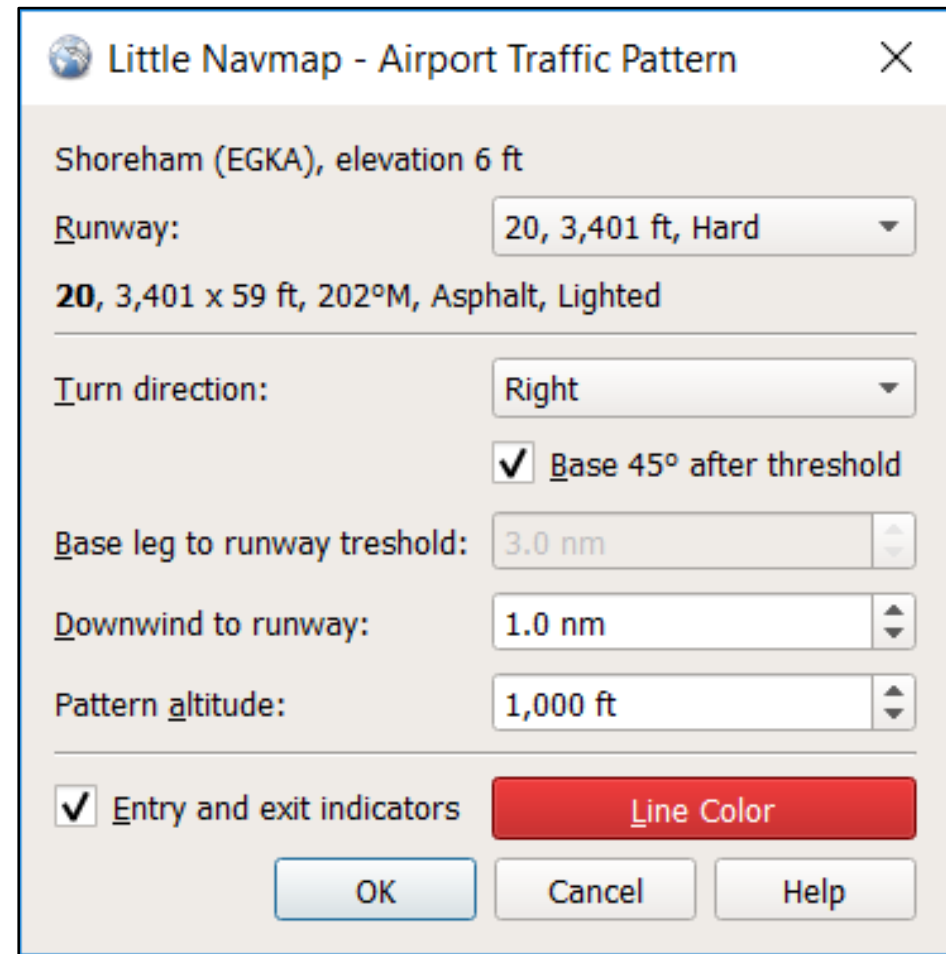
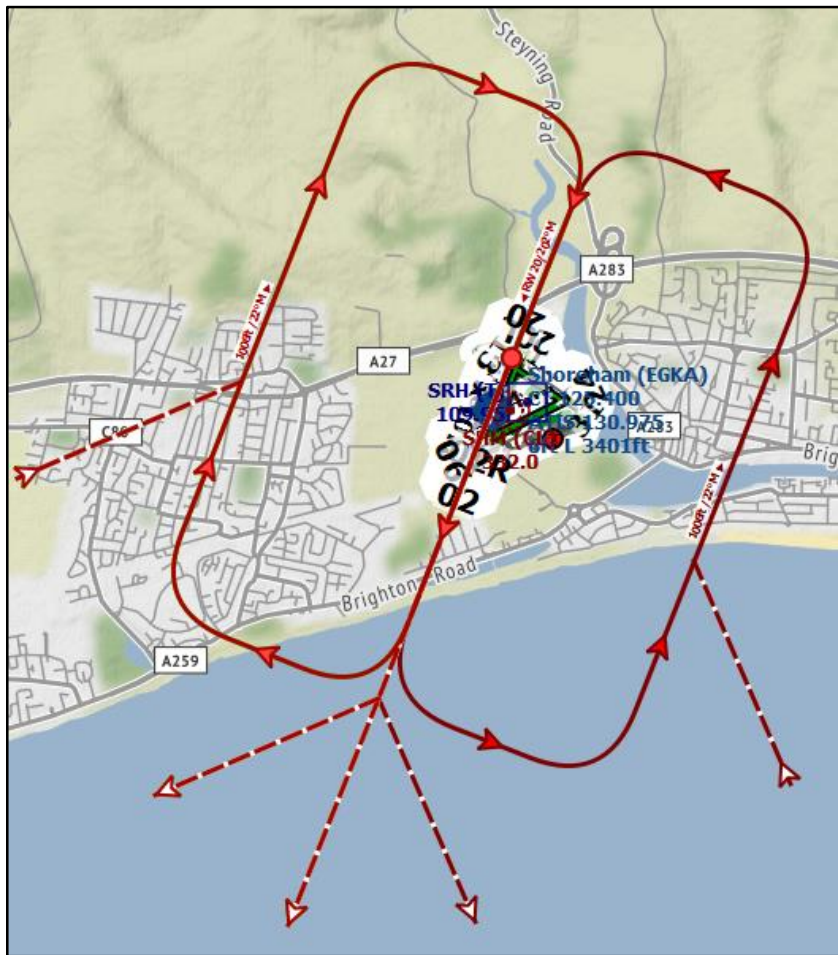


MAP VIEWS – STAMEN TERRAIN



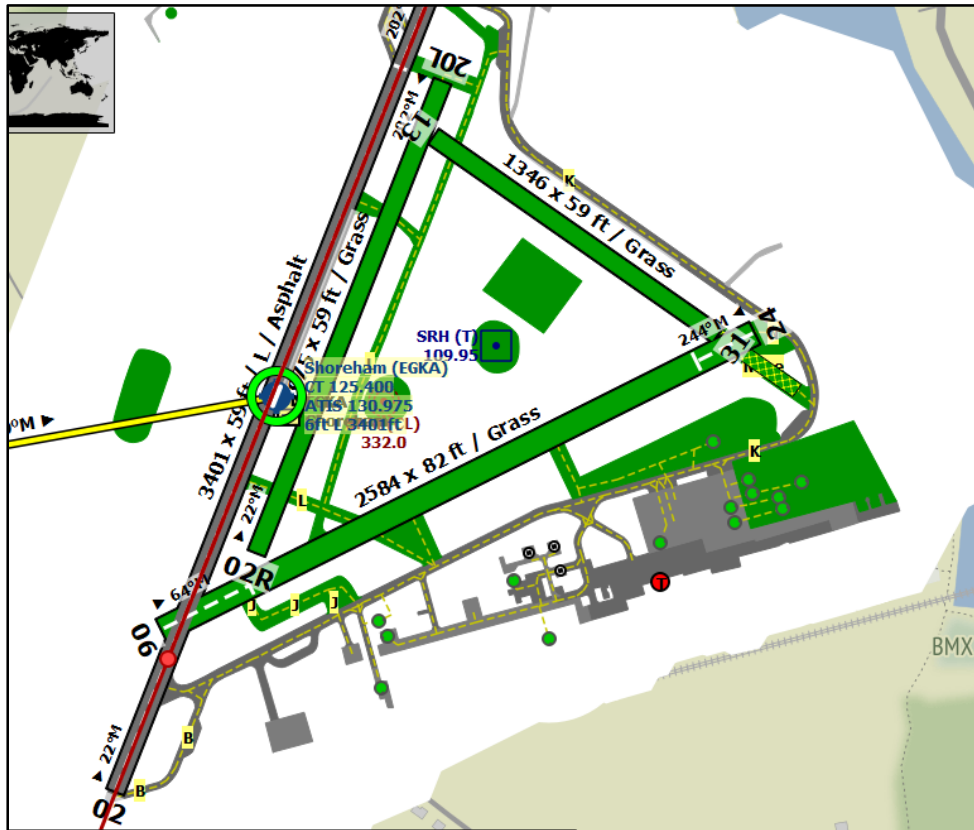
FOR VFR / GA PILOTS

- DEFINABLE CIRCUIT PATTERNS



AIRPORT INFORMATION

- LITTLE NAVMAP SHOWS AIRPORT INFORMATION BY ZOOMING IN TO THE SELECTED AIRFIELD



Information [Close] [Refresh]

Airport
Runways
Com
Procedures
Weather
Nav aids
Airspaces

Shoreham (EGKA) ★★★★★ [Map](#)

City:	Brighton
Country or Area Code:	United Kingdom
Region:	EG
Elevation:	6 ft
Magnetic declination:	0.4° West
Transition altitude:	6,000 ft
Coordinates:	50.8356° N 0.2972° W
Sunrise and sunset:	04:31, 19:33 UTC (civil twilight, real date)

Facilities
3D, Aprons, Taxiways, Tower Object, Parking, Helipads, Avgas, Jetfuel, VASI

Runways
Hard, Soft, Lighted

Weather



AIRPORT INFORMATION

Information

Airport Runways Com Procedures Weather Nav aids Airspaces

Shoreham (EGKA) Map

Runway 02R, 20L

Size: 1,975 x 59 ft

Surface: Grass

Runway Markings: Edges, Dashes, Ident

02R

Heading: 22°M

20L

Heading: 202°M

Runway 02, 20

Size: 3,401 x 59 ft

Surface: Asphalt

Edge Lights: Low

Runway Markings: None

Information

Airport Runways Com Procedures Weather Nav aids Airspaces

Shoreham (EGKA) Map

Type	Frequency	Name
Approach Control	123.150 MHz	Shoreham Approach
ATIS	130.975 MHz	Shoreham Information
Tower, Air Traffic Control	123.150 MHz	Shoreham Tower
Tower, Air Traffic Control	125.400 MHz	Shoreham Tower

Information

Airport Runways Com Procedures Weather Nav aids Airspaces

Description: Departure at Airport Shoreham (EGKA) runway 20
Simulator Date and Time: 03/08/2019 13:01 UTC, 13:01 UTC
Date and Time: Sun Aug 4 10:12:22 2019

Flight Plan:
IFR London Stansted (EGSS) to London Gatwick (EGKK).pln
From: Airport London Stansted (EGSS) to Airport London Gatwick (EGKK)
Cruising altitude: 7,000 ft

Aircraft:
Title: Cessna 152 for X-Plane 11
Model: C152
Registration: BGAE
Type: Cessna 152

Tags: Departure

Elevation: 6 ft

Coordinates: 50.8356° N 0.2972° W

Visible from: 500 nm

Last Change: 04 August 2019 10:12:22

Information

Airport Runways Com Procedures Weather Nav aids Airspaces

Shoreham (EGKA) Map

XP11 Station Weather

Time: 06/08/2019 14:20 UTC

Flight Rules: VFR

Wind: 210°M, 12 kts

Temperature: 22°C, 72°F

Dewpoint: 14°C, 57°F

Pressure: 1,012 hPa, 29.88 inHg

Visibility: Greater than 5.4 nm

Clouds

Few 4,500 ft

NOAA Station Weather

Time: 27/08/2019 11:20 UTC

Flight Rules: MVFR

Wind: 190°M, 7 kts



LITTLE NAVMAP CAN BE DOWNLOADED
FROM

[HTTPS://ALBAR965.GITHUB.IO/LITTLENAVMAP.HTML](https://albar965.github.io/littlenavmap.html)



ONLINE FLYING

- BOTH PLAN-G AND LITTLE NAVMAP SHOW AI AIRCRAFT NEAR TO YOURS
 - WHEN FLYING ONLINE USING FSJOIN AIRCRAFT BEING FLOWN BY OTHER PILOTS SHOW AS AI AIRCRAFT SO ARE VISIBLE.
 - LITTLE NAVMAP GIVES FULL INFORMATION INCLUDING
 - REGISTRATION OF AIRCRAFT (AS MAPPED BY FSJOIN AND YOUR SIM)
 - SPEED
 - ALTITUDE



SKY DEMON

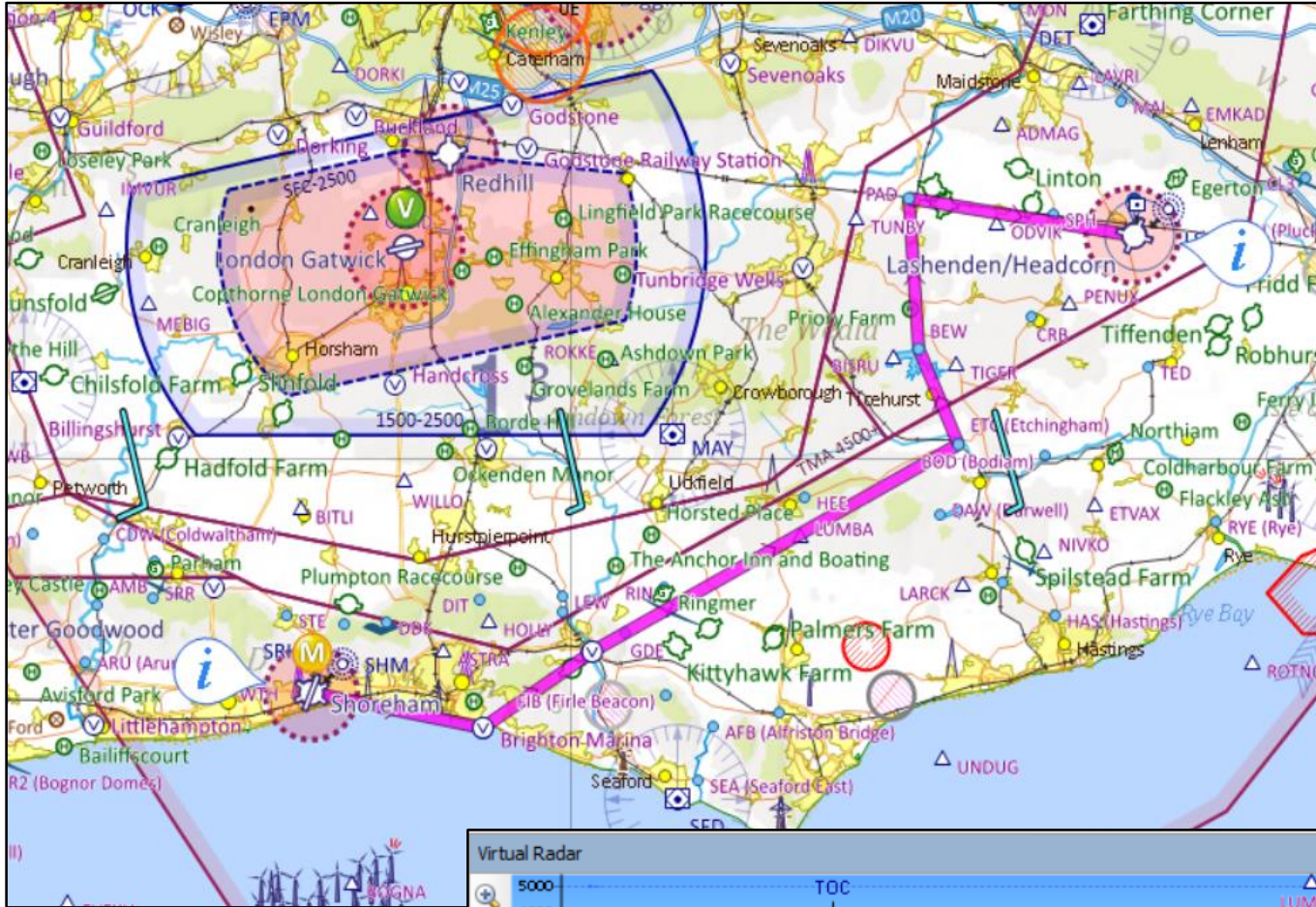
REAL WORLD FLIGHT PLANNING
FOR
GENERAL AVIATION

SKY DEMON

WARNING DO NOT FILE YOUR FLIGHT PLAN WITH NATS
YOU WILL BE EXPECTED TO FLY THE PLAN
WITHIN 45MIN OF PLANNED TAKE-OFF TIME
CANCEL THE PLAN IMMEDIATELY IF FILED IN ERROR
OR FACE A STEEP FINE

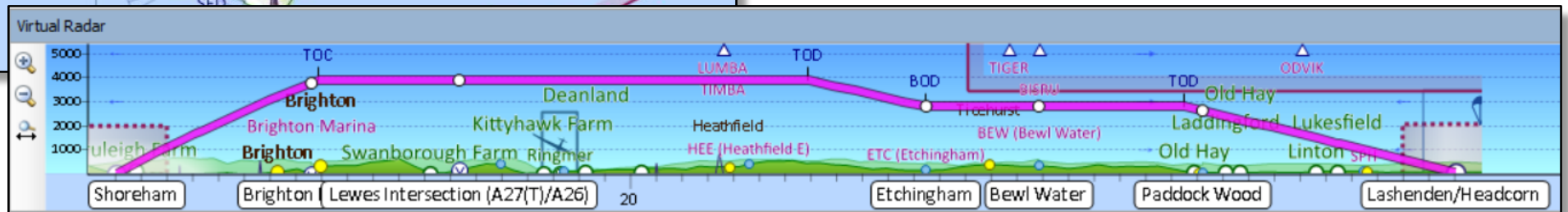


SKY DEMON



INCLUDES
LNAV AND VNAV
PLANNING

VNAV SHOWS TERRAIN
AND
AIRSPACE LIMITATIONS





SKY DEMON – PILOT LOG


G-FCMJ Shoreham - Lashenden/Headcorn										PLOG								
AIRCRAFT: G-FCMJ (DR40)										Startup	Brakes Off							
PILOT: Mike Jeater										Takeoff	Landing							
FUEL REQUIRED 32.6 ltr PLANNED FUEL 110.0 ltr ENDURANCE: 4 hr 28 m										Brakes On	Shutdown							
Elevation 7 ft (0 hPa) SR 05:06 Z, MCT 04:31 Z										MSA	Level	IAS	TrkT	Wind	HdgM	GS	Dist	Time
EGKA Shoreham										1600	5000	108	101	142/10	106	72	7.6	6
<ul style="list-style-type: none"> Brighton Marina (EGKA) 										1600	3900	108	056	156/10	061	113	5.7	3
Brighton Marina (EGKA)										1600	3900	108	056	156/10	061	113	5.7	3
<ul style="list-style-type: none"> Lewes Intersection (A27(T)/A26) (EGKA) 										2100	3900	108	061	153/09	066	117	18	9
Lewes Intersection (A27(T)/A26) (EGKA)										2100	3900	108	061	153/09	066	117	18	9
<ul style="list-style-type: none"> ETC (Etchingham) 										1500	2800	108	337	140/09	338	121	4.4	2
ETC (Etchingham)										1500	2800	108	337	140/09	338	121	4.4	2
<ul style="list-style-type: none"> BEW (Bewl Water) 										1400	2800	108	356	142/09	359	121	6.4	3
BEW (Bewl Water)										1400	2800	108	356	142/09	359	121	6.4	3
<ul style="list-style-type: none"> PAD (Paddock Wood) 										1400	5000	108	099	131/09	101	115	9.8	5
PAD (Paddock Wood)										1400	5000	108	099	131/09	101	115	9.8	5
EGKH Lashenden/Headcorn																	52	29
Elevation 70 ft (3 hPa) SS 18:54 Z, ECT 19:30 Z																	52	29
EGKA Shoreham			LARS			Lukesfield Radio			129.830	Egerton								
Shoreham Approach			123.155	Farnborough Radar (E)			123.225	LARS			Egerton Radio	129.830						
Shoreham Tower			123.155	Flight Information Service				Southend Radar			130.780							
Shoreham Radio			123.155	London Information			124.600	EGKH Lashenden/Headcorn										
ATIS			130.980	Lukesfield				Headcorn Radio			122.210							
SHM (Shoreham)		 332.0	SFD (Seaford)		 117.000	HLS (Lashenden Headcorn)		 115.950	LSH (Lashenden Headcorn)	 340.0				
SRH (Shoreham)		 109.950															



SKY DEMON – AIRPORT INFO

Shoreham Airfield
EGKA

3.6 nm E Worthing
N505008 W0001750 (W0.2°)
7 ft (0 hPa)



SFD 117.000 286° / 17 nm

GWC 114.750 094° / 17 nm

MID 114.000 137° / 18 nm -- ..

TELEPHONE 0844 2254202 (ATC), EMAIL reception@flybrighton.com, WEBSITE <http://www.flybrighton.com>

Frequencies

ATIS	130.980
Shoreham Radio	123.155
Shoreham Tower	123.155
Shoreham Approach	123.155

Radio Navigation Aids

SRH	109.950
SHM	332.000

Refer to the map for detailed circuit diagrams and/or routes.

Runway 02/20 (Asphalt)	1,036 m x 18 m
Circuits 02	LH (Fixed-Wing)
Circuits 20	LH (Fixed-Wing)
Runway 06/24 (Grass)	799 m x 25 m
Circuits 06	LH (Fixed-Wing)
Circuits 24	LH (Fixed-Wing)
Runway 13/31 (Grass)	408 m x 18 m
Runway 02G/20G (Grass)	602 m x 23 m

Visual Reporting Points

Brighton Marina	SFD 290° / 9.0 nm	N504839 W0000603
-----------------	-------------------	------------------

LINKS AVAILABLE TO 3RD PARTY AIRPORT DOCUMENTATION SUCH AS

- POOLEYS
- AFE



SKY DEMON – REAL WEATHER INFO

G-FCMJ Shoreham - Lashenden/Headcorn Weather

<p>METAR for Shoreham (EGKA) M 11:20 Z (35 min ago)</p> <p>WIND 190° @ 7 kt TEMP 25° / 18°, 65 % PRESSURE 1014 hPa VISIBILITY 6000 m No Significant Cloud</p>	<p>CAVOK</p> <p>TAF for London Gatwick (EGKK) V 27 Aug 2019 12:00 Z - 28 Aug 2019 18:00 Z Updated 57 min ago</p> <p>WIND 220° @ 7 kt</p>	<p>TAF for London City (EGLC) V 27 Aug 2019 12:00 Z - 21:00 Z Updated 51 min ago</p> <p>WIND 080° @ 5 kt VISIBILITY 8000 m No Significant Cloud Becoming 12:00 Z - 14:00 Z CAVOK Occasional 14:00 Z - 17:00 Z (30% chance) VISIBILITY 5000 m Thunderstorm, Rain</p>	<p>Becoming 15:00 Z - 18:00 Z</p> <p>WIND 240° @ 10 kt ✓</p>
<p>TAF for Shoreham (EGKA) M 27 Aug 2019 12:00 Z - 19:00 Z Updated 51 min ago</p> <p>WIND 140° @ 3 kt VISIBILITY 7000 m No Significant Cloud Becoming 12:00 Z - 15:00 Z CAVOK Becoming 15:00 Z - 18:00 Z</p>	<p>CAVOK</p> <p>Becoming 28 Aug 2019 10:00 Z - 28 Aug 2019 13:00 Z</p> <p>CLOUD Broken at 3,000 ft Occasional 28 Aug 2019 10:00 Z - 28 Aug 2019 18:00 Z (30% chance) VISIBILITY 7000 m Showers, Rain</p>	<p>METAR for Biggin Hill (EGKB) V 11:50 Z (5 min ago)</p> <p>WIND 120° @ 5 kt TEMP 29° / 17°, 48 % PRESSURE 1015 hPa CAVOK</p>	<p>METAR for Southend (EGMC) V 11:20 Z (35 min ago)</p> <p>WIND Variable 000° - 000° @ 4 kt TEMP 29° / 19°, 55 % PRESSURE 1014 hPa VISIBILITY 8000 m No Significant Cloud</p>
<p>METAR for London Gatwick (EGKK) V 11:20 Z (35 min ago)</p> <p>WIND Variable 000° - 000° @ 4 kt TEMP 29° / 18°, 52 % PRESSURE 1014 hPa</p>	<p>METAR for London City (EGLC) V 11:20 Z (35 min ago)</p> <p>i This bulletin was produced by automatic equipment.</p> <p>WIND 080° @ 6 kt TEMP 29° / 19°, 55 % PRESSURE 1014 hPa VISIBILITY 9999 m Sky Clear</p>	<p>TAF for Biggin Hill (EGKB) V 27 Aug 2019 12:00 Z - 21:00 Z Updated 51 min ago</p> <p>WIND 160° @ 3 kt CAVOK</p>	<p>TAF for Southend (EGMC) M 27 Aug 2019 12:00 Z - 21:00 Z Updated 51 min ago</p> <p>WIND Variable 000° - 000° @ 3 kt VISIBILITY 6000 m No Significant Cloud Occasional 12:00 Z - 21:00 Z (30% chance) CAVOK</p>



SKY DEMON – EXTENDED FEATURES

- SKY DEMON CAN SIMULATE THE PLANNED ROUTE
- SKY DEMON LINKS TO X-PLANE IN SIMULATION MODE
 - NO LINK TO ESP PRODUCTS (YET?)
- SKY DEMON ALARMS WHEN
 - APPROACHING OR PENETRATING AIRSPACE OF ANY TYPE
 - GROUND OBSTACLES SUCH AS RADIO MASTS
 - WHEN LOW, – SHOWS FINAL GLIDE RANGE FOR AIRCRAFT



SKY DEMON

- SKY DEMON IS AVAILABLE FOR THE FOLLOWING PLATFORMS
 - WINDOWS
 - IOS IPADS AND MAC COMPUTERS
 - IPHONE
 - ANDROID PHONES AND TABLETS
 - INFORMATION CAN BE EXPORTED TO A RANGE OF NAVIGATION AIDS SUCH A GARMIN DEVICES
- **SKY DEMON IS A SUBSCRIPTION PRODUCT**
 - YEAR ONE £139.00 SUBSEQUENT YEARS £89.00
 - PLUGINS SUCH AS POOLEY'S CHARTS £25.00 PA



THANK YOU