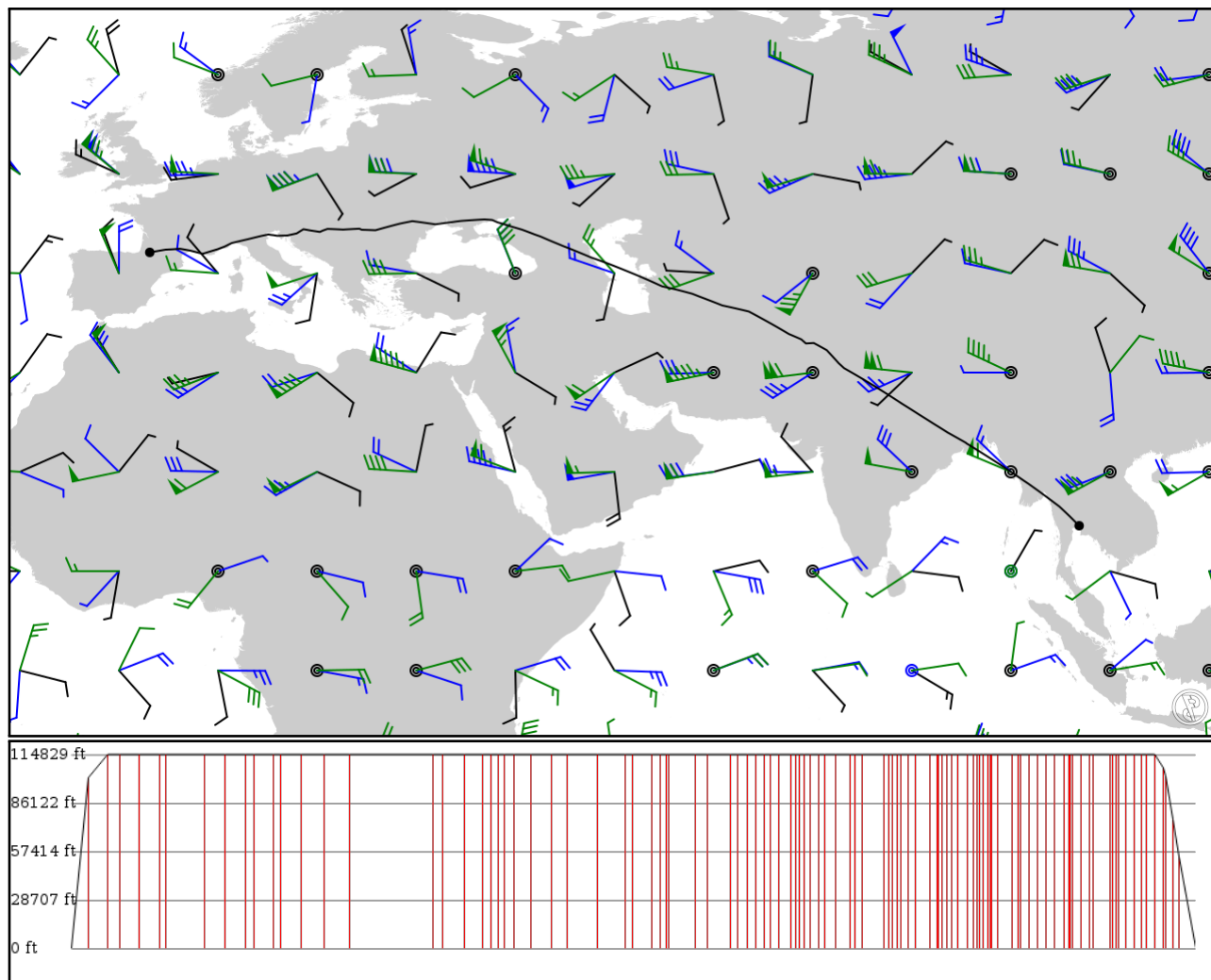


2024/05/11 2024Z

VTBS OSUKA L507 CEA CEA R460 GGC L509 ASARI A466 SULOM L509 JABAR J139 HANGU G796 LAJAK L509  
TAPIS P173 DAVET B475 UTAM A909 BIBIM B450 MARAL M23 BISNA B491 MKL B494 OLGIN W617 ELBAM KERTA  
L140 POGAV Z650 BCU Z924 SIB Y574 TIXIP Q26 VASIS Y574 BABIT BAREB Q571 LAKIK P735 ZAG M986 KOTOR  
T742 NAKIT L615 AKADO M196 LAGEN Q712 ENOBA Z185 BADBA UZ185 KOLON UM984 PADKO UL127 FJR G39  
AFRIC G393 TOU LFBP

5436.12 nm / 10067.70 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VTBS	-	13.68080	0 ft	-	Bangkok Suvarnabhumi Intl
APT	-	100.74800	0 m		
OSUKA	-	14.71330	30,800 ft	86	-
FIX	-	99.71670	9,388 m		
LIMLA	L507	15.76810	35,000 ft	90	-
FIX	AWY-HI	98.59690	10,668 m		
ARATO	L507	16.36800	35,000 ft	58	-
FIX	AWY-HI	97.79630	10,668 m		
BGO	L507	17.31850	35,000 ft	92	BAGO
VOR	AWY-HI	96.51990	10,668 m		
OTADA	L507	18.30120	35,000 ft	98	-
FIX	AWY-HI	95.14660	10,668 m		
SUMSU	L507	18.57930	35,000 ft	29	-
FIX	AWY-HI	94.72380	10,668 m		
TEBOV	L507	20.41760	35,000 ft	189	-
FIX	AWY-HI	91.99690	10,668 m		
ESDOT	L507	21.34580	35,000 ft	98	-
FIX	AWY-HI	90.54720	10,668 m		
AVPOP	L507	22.30250	35,000 ft	102	-
FIX	AWY-HI	89.01390	10,668 m		
CEA	L507	22.64520	35,000 ft	37	KOLKATA VOR-DME
DME	AWY-HI	88.45290	10,668 m		
CEA	-	22.67600	35,000 ft	1	KOLKATA
VOR	-	88.44810	10,668 m		
OPESU	R460	23.48030	35,000 ft	92	-
FIX	AWY-HI	87.02920	10,668 m		
TEPAL	R460	23.81170	35,000 ft	38	-
FIX	AWY-HI	86.43420	10,668 m		
GGC	R460	24.74190	35,000 ft	98	GAYA
VOR	AWY-HI	84.94390	10,668 m		
UXUPO	L509	25.78780	35,000 ft	109	-
FIX	AWY-HI	83.28330	10,668 m		
GUGIP	L509	26.93890	35,000 ft	119	-
FIX	AWY-HI	81.46670	10,668 m		
ASARI	L509	30.80420	35,000 ft	404	-
FIX	AWY-HI	75.15860	10,668 m		
SULOM	A466	31.34640	35,000 ft	44	-
FIX	AWY-HI	74.56580	10,668 m		
INDEK	L509	32.76670	35,000 ft	107	-
FIX	AWY-HI	73.26610	10,668 m		
JABAR	L509	33.53830	35,000 ft	84	-
FIX	AWY-HI	71.85610	10,668 m		
HANGU	J139	33.48580	35,000 ft	42	-
FIX	AWY-HI	71.00580	10,668 m		
LAJAK	G796	33.93310	35,000 ft	36	-
FIX	AWY-HI	70.49970	10,668 m		
GIDOG	L509	34.17640	35,000 ft	31	-
FIX	AWY-HI	69.94640	10,668 m		
TAPIS	L509	34.51670	35,000 ft	44	-
FIX	AWY-HI	69.15000	10,668 m		
GUNKO	P173	35.28970	35,000 ft	80	-
FIX	AWY-HI	67.82640	10,668 m		
NOMAM	P173	36.22000	35,000 ft	98	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	66.16580	10,668 m		
DAVET	P173	36.96080	35,000 ft	79	-
FIX	AWY-HI	64.78750	10,668 m		
UTAM	B475	37.62170	35,000 ft	143	-
FIX	AWY-HI	61.89670	10,668 m		
ABDAN	A909	38.59500	35,000 ft	133	-
FIX	AWY-HI	59.36670	10,668 m		
BODBA	A909	38.88670	35,000 ft	38	-
FIX	AWY-HI	58.62830	10,668 m		
KEKAL	A909	39.36830	35,000 ft	89	-
FIX	AWY-HI	56.80830	10,668 m		
ABEKO	A909	39.57500	35,000 ft	43	-
FIX	AWY-HI	55.89830	10,668 m		
BIBIM	A909	39.69500	35,000 ft	25	-
FIX	AWY-HI	55.35830	10,668 m		
MAHYM	B450	39.83170	35,000 ft	16	-
FIX	AWY-HI	55.04830	10,668 m		
TABAB	B450	40.90330	35,000 ft	128	-
FIX	AWY-HI	52.60830	10,668 m		
MARAL	B450	41.36000	35,000 ft	57	-
FIX	AWY-HI	51.50000	10,668 m		
BISNA	M23	42.23330	35,000 ft	112	-
FIX	AWY-HI	49.28330	10,668 m		
BALIP	B491	42.49360	35,000 ft	35	-
FIX	AWY-HI	48.57000	10,668 m		
MKL	B491	42.82120	35,000 ft	45	MAKHACHKALA
VOR	AWY-HI	47.64540	10,668 m		
UNEDI	B494	43.15140	35,000 ft	39	-
FIX	AWY-HI	46.86280	10,668 m		
GOTIK	B494	43.48970	35,000 ft	41	-
FIX	AWY-HI	46.04030	10,668 m		
NEGUB	B494	43.73640	35,000 ft	30	-
FIX	AWY-HI	45.42530	10,668 m		
RISKA	B494	44.06640	35,000 ft	41	-
FIX	AWY-HI	44.58190	10,668 m		
BADKO	B494	44.51140	35,000 ft	53	-
FIX	AWY-HI	43.50690	10,668 m		
ALEGI	B494	44.72470	35,000 ft	25	-
FIX	AWY-HI	42.99860	10,668 m		
GIRTI	B494	44.90530	35,000 ft	20	-
FIX	AWY-HI	42.58500	10,668 m		
TESMI	B494	45.10920	35,000 ft	23	-
FIX	AWY-HI	42.11250	10,668 m		
LEGNA	B494	45.32140	35,000 ft	28	-
FIX	AWY-HI	41.50500	10,668 m		
ROTIM	B494	45.61330	35,000 ft	36	-
FIX	AWY-HI	40.73670	10,668 m		
UH	B494	45.85190	35,000 ft	30	TIKHORETSK
NDB	AWY-HI	40.09000	10,668 m		
INSER	B494	46.18140	35,000 ft	51	-
FIX	AWY-HI	38.95830	10,668 m		
OLGIN	B494	46.65830	35,000 ft	69	-
FIX	AWY-HI	37.42170	10,668 m		
ELBAM	W617	46.91110	35,000 ft	28	-
FIX	AWY-LO	36.84560	10,668 m		
KERTA	-	46.97000	35,000 ft	34	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	36.00500	10,668 m		
KH	L140	46.80750	35,000 ft	103	KAKHOVKA
NDB	AWY-HI	33.49580	10,668 m		
RITED	L140	46.73330	35,000 ft	25	-
FIX	AWY-HI	32.88470	10,668 m		
GONUS	L140	46.67500	35,000 ft	15	-
FIX	AWY-HI	32.50830	10,668 m		
RAPUL	L140	46.61110	35,000 ft	21	-
FIX	AWY-HI	32.00440	10,668 m		
BANID	L140	46.55530	35,000 ft	19	-
FIX	AWY-HI	31.54110	10,668 m		
ODS	L140	46.43030	35,000 ft	36	ODESA
VOR	AWY-HI	30.67080	10,668 m		
SURAP	L140	46.54470	35,000 ft	32	-
FIX	AWY-HI	29.90000	10,668 m		
POGAV	L140	46.78170	35,000 ft	72	-
FIX	AWY-HI	28.16670	10,668 m		
ASTOD	Z650	46.62780	35,000 ft	33	-
FIX	AWY-HI	27.39360	10,668 m		
MOLID	Z650	46.60640	35,000 ft	4	-
FIX	AWY-HI	27.28830	10,668 m		
BCU	Z650	46.51090	35,000 ft	19	BACAU
VOR	AWY-HI	26.82560	10,668 m		
APTAN	Z924	46.38750	35,000 ft	21	-
FIX	AWY-HI	26.34890	10,668 m		
ABTER	Z924	46.25310	35,000 ft	22	-
FIX	AWY-HI	25.84170	10,668 m		
SOBSA	Z924	46.04810	35,000 ft	33	-
FIX	AWY-HI	25.08720	10,668 m		
SIB	Z924	45.78500	35,000 ft	42	SIBIU
NDB	AWY-HI	24.15260	10,668 m		
ULMIN	Y574	45.81390	35,000 ft	31	-
FIX	AWY-LO	23.39800	10,668 m		
DVA	Y574	45.82810	35,000 ft	17	DEVA
VOR	AWY-LO	22.96890	10,668 m		
TIXIP	Y574	45.83750	35,000 ft	13	-
FIX	AWY-LO	22.64670	10,668 m		
VASIS	Q26	45.95320	35,000 ft	12	-
FIX	AWY-HI	22.40810	10,668 m		
GESBA	Y574	45.92280	35,000 ft	25	-
FIX	AWY-LO	21.79000	10,668 m		
MIVSA	Y574	45.90560	35,000 ft	13	-
FIX	AWY-LO	21.47310	10,668 m		
GITMU	Y574	45.89690	35,000 ft	6	-
FIX	AWY-LO	21.31440	10,668 m		
ROMUX	Y574	45.85570	35,000 ft	29	-
FIX	AWY-LO	20.62330	10,668 m		
BABIT	Y574	45.93160	35,000 ft	70	-
FIX	AWY-LO	18.92900	10,668 m		
BAREB	-	45.74610	35,000 ft	24	-
FIX	-	18.41330	10,668 m		
LAKIK	Q571	45.60220	35,000 ft	15	-
FIX	AWY-LO	18.09750	10,668 m		
VBA	P735	45.74780	35,000 ft	40	BARNA
VOR	AWY-LO	17.14670	10,668 m		
ZAG	P735	45.89560	35,000 ft	36	ZAGREB

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VOR	AWY-LO	16.30670	10,668 m		
KOTOR	M986	45.44110	35,000 ft	41	-
FIX	AWY-LO	15.57220	10,668 m		
RJK	T742	45.22410	35,000 ft	44	RIJEKA
VOR	AWY-LO	14.56700	10,668 m		
NAKIT	T742	45.18810	35,000 ft	47	-
FIX	AWY-LO	13.44780	10,668 m		
ROTAR	L615	45.26280	35,000 ft	19	-
FIX	AWY-LO	12.99560	10,668 m		
TULIK	L615	45.28390	35,000 ft	8	-
FIX	AWY-LO	12.78920	10,668 m		
AKADO	L615	45.33330	35,000 ft	12	-
FIX	AWY-HI	12.50000	10,668 m		
KOPER	M196	45.15390	35,000 ft	37	-
FIX	AWY-HI	11.64140	10,668 m		
IBTOK	M196	44.91190	35,000 ft	44	-
FIX	AWY-HI	10.64970	10,668 m		
OSBUL	M196	44.82220	35,000 ft	16	-
FIX	AWY-HI	10.29330	10,668 m		
LAGEN	M196	44.39420	35,000 ft	80	-
FIX	AWY-HI	8.49806	10,668 m		
ENوبا	Q712	44.29970	35,000 ft	9	-
FIX	AWY-HI	8.30639	10,668 m		
ASBOP	Z185	44.12420	35,000 ft	18	-
FIX	AWY-HI	7.95333	10,668 m		
BORDI	Z185	44.02310	35,000 ft	10	-
FIX	AWY-HI	7.75194	10,668 m		
BADBA	Z185	43.99000	35,000 ft	4	-
FIX	AWY-HI	7.66333	10,668 m		
KOLON	UZ185	43.72190	35,000 ft	34	-
FIX	AWY-HI	6.95333	10,668 m		
GANGU	UM984	43.46310	35,000 ft	40	-
FIX	AWY-HI	6.08472	10,668 m		
PADKO	UM984	43.23170	35,000 ft	35	-
FIX	AWY-HI	5.33306	10,668 m		
ROVOT	UL127	43.33690	35,000 ft	18	-
FIX	AWY-HI	4.92889	10,668 m		
FJR	UL127	43.57840	35,000 ft	44	MONTPELLIER MEDITERRANEE
VOR	AWY-HI	3.97472	10,668 m		
BRUSC	G39	43.74750	32,600 ft	42	-
FIX	AWY-LO	3.02333	9,936 m		
AFRIC	G39	43.77420	31,100 ft	6	-
FIX	AWY-LO	2.86917	9,479 m		
FINOT	G393	43.71510	23,300 ft	36	-
FIX	AWY-LO	2.02989	7,102 m		
TOU	G393	43.68080	16,600 ft	31	TOULOUSE BLAGNAC
VOR	AWY-LO	1.30981	5,060 m		
LFBP	-	43.38110	0 ft	77	Pau Pyrenees
APT	-	-0.42077	0 m		

## VTBS

Region: THAILAND  
Timezone: ASIA/BANGKOK  
Runways: 2

Elevation: 4 ft / 1 m  
Location: 13.680800 100.748000  
Magnetic Var: 0.534 W

## METAR

VTBS 112000Z 02002KT 9999 FEW020 28/24 Q1010 NOSIG

## TAF

TAF VTBS 111700Z 1118/1224 22005KT 9999 FEW020 BECMG 1120/1122 13005KT BECMG 1202/1204 20008KT TEMPO 1207/1211 VR

## Frequencies

REC - 133.60 MHz - ATIS	TWR - 119.00 MHz - SUVARNABHUMI TOWER
TWR - 118.20 MHz - SUVARNABHUMI TOWER	GND - 121.95 MHz - SUVARNABHUMI GROUND
GND - 121.65 MHz - SUVARNABHUMI GROUND	GND - 121.75 MHz - SUVARNABHUMI GROUND
CLD - 135.80 MHz - BANGKOK CLEARANCE DELIVERY	CLD - 128.70 MHz - BANGKOK CLEARANCE DELIVERY
CLD - 120.80 MHz - BANGKOK CLEARANCE DELIVERY	CLD - 125.80 MHz - DON MUEANG CLEARANCE DELIVERY
CLD - 133.80 MHz - BANGKOK CLEARANCE DELIVERY	APP - 124.35 MHz - BANGKOK ARRIVAL
APP - 125.20 MHz - BANGKOK ARRIVAL	APP - 122.35 MHz - BANGKOK ARRIVAL
APP - 120.30 MHz - BANGKOK APPROACH	APP - 119.10 MHz - BANGKOK APPROACH
APP - 121.70 MHz - BANGKOK ARRIVAL	APP - 126.30 MHz - SUVARNABHUMI ARRIVAL
APP - 133.60 MHz - SUVARNABHUMI ARRIVAL	APP - 121.10 MHz - SUVARNABHUMI ARRIVAL
APP - 133.40 MHz - SUVARNABHUMI ARRIVAL	DEP - 119.25 MHz - SUVARNABHUMI DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01R	197 ft	13,189 ft	14.33	ASPHALT	0 ft	394 ft
	60 m	4,020 m	14.86		0 m	120 m
19L	197 ft	13,189 ft	194.33	ASPHALT	0 ft	394 ft
	60 m	4,020 m	194.86		0 m	120 m
01L	197 ft	12,201 ft	14.32	ASPHALT	0 ft	394 ft
	60 m	3,719 m	14.86		0 m	120 m
19R	197 ft	12,201 ft	194.32	ASPHALT	0 ft	397 ft
	60 m	3,719 m	194.86		0 m	121 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01L	DME	ISWS	109.10 MHz	18 nm	-	-	5 ft
				33 km	-		5 m
01R	DME	ISES	110.10 MHz	18 nm	-	-	5 ft
				33 km	-		5 m
19L	DME	ISEN	110.50 MHz	18 nm	-	-	5 ft
				33 km	-		5 m
19R	DME	ISWN	109.50 MHz	18 nm	-	-	5 ft
				33 km	-		5 m
01L	LOC-ILS	ISWS	109.10 MHz	18 nm	14.32	-	4 ft
				33 km	14.85		4 m
01R	LOC-ILS	ISES	110.10 MHz	18 nm	14.33	-	4 ft
				33 km	14.86		4 m
19L	LOC-ILS	ISEN	110.50 MHz	18 nm	194.33	-	4 ft
				33 km	194.86		4 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19R	LOC-ILS	ISWN	109.50 MHz	18 nm 33 km	194.32 194.85	-	4 ft 4 m
01L	GS	ISWS	109.10 MHz	10 nm 19 km	14.32 14.85	3.00	4 ft 4 m
01R	GS	ISES	110.10 MHz	10 nm 19 km	14.33 14.86	3.00	4 ft 4 m
19L	GS	ISEN	110.50 MHz	10 nm 19 km	194.33 194.86	3.00	4 ft 4 m
19R	GS	ISWN	109.50 MHz	10 nm 19 km	194.32 194.85	3.00	4 ft 4 m



## LFBP

Region: FRANCE  
Timezone: EUROPE/PARIS  
Runways: 1

Elevation: 616 ft / 188 m  
Location: 43.381100 -0.420774  
Magnetic Var: 0.872 E

## METAR

LFBP 112000Z AUTO 25004KT 210V290 9999 FEW064/// BKN100/// BKN130/// //TCU 15/13 Q1018 TEMPO 28020G35KT 4000

## TAF

TAF LFBP 111700Z 1118/1218 29006KT 9999 BKN100 TEMPO 1118/1121 28020G35KT 4000 TSRA SCT060CB PROB30 TEMPO 1118/11

## Frequencies

REC - 128.47 MHz - PAU ATIS  
TWR - 124.15 MHz - PAU TOWER  
APP - 121.17 MHz - PAU APPROACH

GND - 121.75 MHz - PAU GROUND  
APP - 128.80 MHz - PAU APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
13	148 ft	8,174 ft	125.89	ASPHALT	0 ft	0 ft
	45 m	2,492 m	125.02		0 m	0 m
31	148 ft	8,174 ft	305.91	ASPHALT	0 ft	0 ft
	45 m	2,492 m	305.04		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
31	DME	PU	110.10 MHz	18 nm	-	-	608 ft
				33 km	-		608 m
31	LOC-ILS	PYR	110.10 MHz	18 nm	305.91	-	616 ft
				33 km	305.04		616 m
31	GS	PYR	110.10 MHz	10 nm	306.91	3.00	616 ft
				19 km	306.04		616 m