

# LIMC

Milano-Malpensa "Citta di Milano"

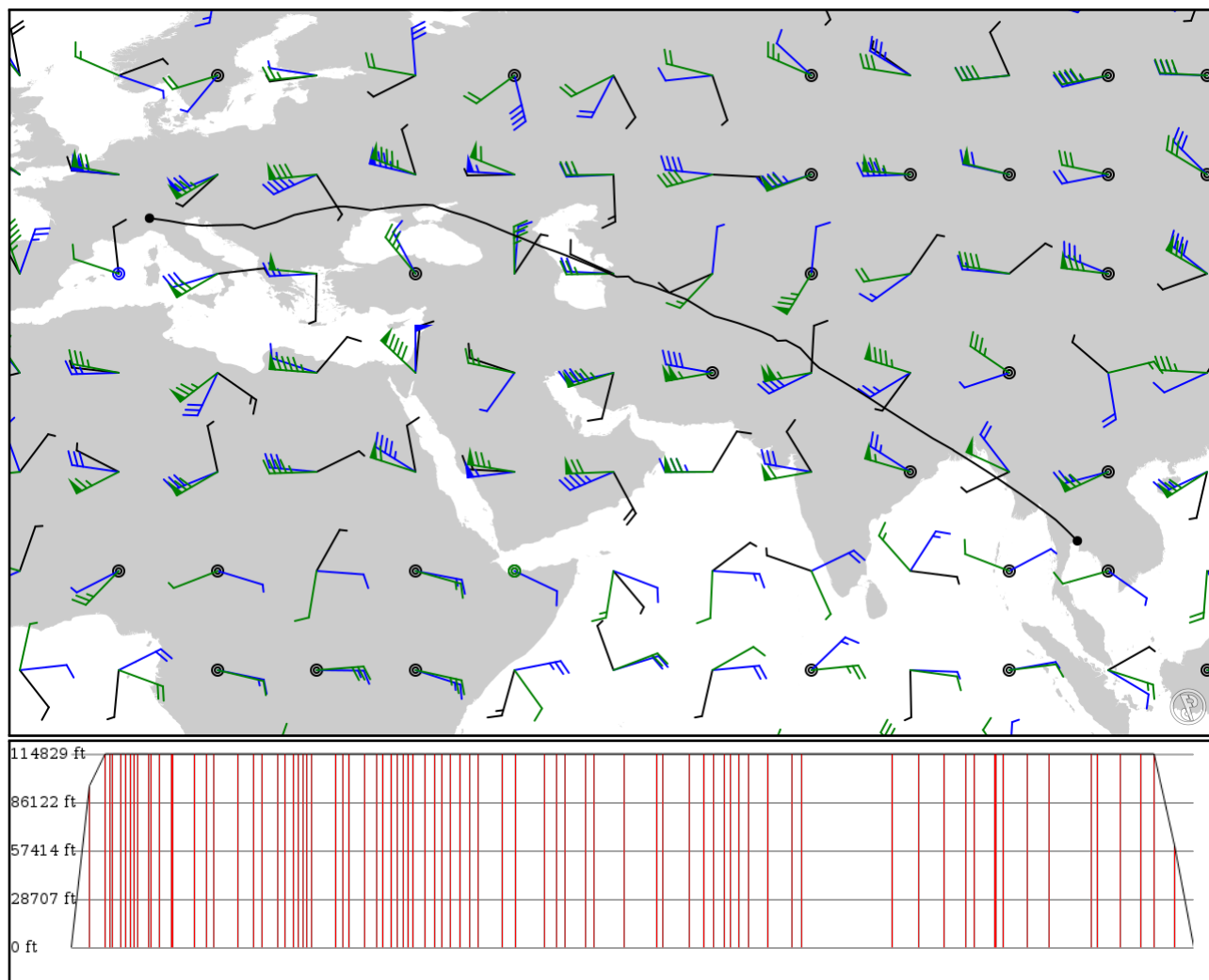
# VTBS

Bangkok Suvarnabhumi Intl

2024/05/10 0119Z

LIMC USOBV **Q702** CHI **L614** LABIN **UL614** PUL **P11** DER **N131** SOMUN OSNIP **UN978** MAVIT **N978** TOMET **T802**  
BAPGU **Y572** POGAV **L140** KERTA ELBAM **W617** OLGIN **B494** MKL **B491** BISNA **M23** MARAL **B450** MAHYM **A477** NONIK  
**A87** KEKAL **A909** LEMOD SADAM **M696** TAPIS **L509** LAJAK **G796** HANGU **J139** JABAR **L509** SAMAR **A466** ASARI **L509**  
GGC **R460** CEA CEA **L507** OSUKA VTBS

5018.94 nm / 9295.08 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
LIMC	-	45.63060	0 ft	-	Milano-Malpensa "Citta di Milano"
APT	-	8.72812	0 m	-	
USOBU	-	45.36970	29,200 ft	81	-
FIX	-	10.63610	8,900 m	-	
CHI	Q702	45.07110	35,000 ft	71	CHIOGGIA
VOR	AWY-HI	12.28140	10,668 m	-	
AGOMO	L614	45.01690	35,000 ft	22	-
FIX	AWY-HI	12.80190	10,668 m	-	
LABIN	L614	44.98580	35,000 ft	12	-
FIX	AWY-LO	13.09140	10,668 m	-	
PUL	UL614	44.89240	35,000 ft	35	PULA
VOR	AWY-HI	13.91810	10,668 m	-	
CRE	P11	44.90290	35,000 ft	21	CRES
NDB	AWY-LO	14.41650	10,668 m	-	
OBALA	P11	44.92030	35,000 ft	23	-
FIX	AWY-LO	14.97250	10,668 m	-	
DABAR	P11	44.93220	35,000 ft	12	-
FIX	AWY-LO	15.27030	10,668 m	-	
RASTU	P11	44.94220	35,000 ft	20	-
FIX	AWY-LO	15.74330	10,668 m	-	
KOMAR	P11	44.95810	35,000 ft	45	-
FIX	AWY-LO	16.80420	10,668 m	-	
TIVNU	P11	44.96470	35,000 ft	10	-
FIX	AWY-LO	17.05940	10,668 m	-	
DER	P11	44.98410	35,000 ft	38	DERVENTA
VOR	AWY-LO	17.96950	10,668 m	-	
SOMUN	N131	44.59640	35,000 ft	53	-
FIX	AWY-LO	19.10500	10,668 m	-	
OSNIP	-	44.64310	35,000 ft	7	-
FIX	-	19.25810	10,668 m	-	
MAVIT	UN978	45.24000	35,000 ft	94	-
FIX	AWY-HI	21.30830	10,668 m	-	
EKNAB	N978	45.72780	35,000 ft	58	-
FIX	AWY-HI	22.50080	10,668 m	-	
NEPOT	N978	45.96030	35,000 ft	28	-
FIX	AWY-HI	23.08810	10,668 m	-	
TOMET	N978	46.48670	35,000 ft	108	-
FIX	AWY-HI	25.59220	10,668 m	-	
BAPGU	T802	46.79080	35,000 ft	72	-
FIX	AWY-HI	27.29530	10,668 m	-	
POGAV	Y572	46.78170	35,000 ft	35	-
FIX	AWY-HI	28.16670	10,668 m	-	
SURAP	L140	46.54470	35,000 ft	72	-
FIX	AWY-HI	29.90000	10,668 m	-	
ODS	L140	46.43030	35,000 ft	32	ODESA
VOR	AWY-HI	30.67080	10,668 m	-	
BANID	L140	46.55530	35,000 ft	36	-
FIX	AWY-HI	31.54110	10,668 m	-	
RAPUL	L140	46.61110	35,000 ft	19	-
FIX	AWY-HI	32.00440	10,668 m	-	
GONUS	L140	46.67500	35,000 ft	21	-
FIX	AWY-HI	32.50830	10,668 m	-	
RITED	L140	46.73330	35,000 ft	15	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	32.88470	10,668 m		
KH	L140	46.80750	35,000 ft	25	KAKHOVKA
NDB	AWY-HI	33.49580	10,668 m		
KERTA	L140	46.97000	35,000 ft	103	-
FIX	AWY-HI	36.00500	10,668 m		
ELBAM	-	46.91110	35,000 ft	34	-
FIX	-	36.84560	10,668 m		
OLGIN	W617	46.65830	35,000 ft	28	-
FIX	AWY-LO	37.42170	10,668 m		
INSER	B494	46.18140	35,000 ft	69	-
FIX	AWY-HI	38.95830	10,668 m		
UH	B494	45.85190	35,000 ft	51	TIKHORETSK
NDB	AWY-HI	40.09000	10,668 m		
ROTIM	B494	45.61330	35,000 ft	30	-
FIX	AWY-HI	40.73670	10,668 m		
LEGNA	B494	45.32140	35,000 ft	36	-
FIX	AWY-HI	41.50500	10,668 m		
TESMI	B494	45.10920	35,000 ft	28	-
FIX	AWY-HI	42.11250	10,668 m		
GIRTI	B494	44.90530	35,000 ft	23	-
FIX	AWY-HI	42.58500	10,668 m		
ALEGI	B494	44.72470	35,000 ft	20	-
FIX	AWY-HI	42.99860	10,668 m		
BADKO	B494	44.51140	35,000 ft	25	-
FIX	AWY-HI	43.50690	10,668 m		
RISKA	B494	44.06640	35,000 ft	53	-
FIX	AWY-HI	44.58190	10,668 m		
NEGUB	B494	43.73640	35,000 ft	41	-
FIX	AWY-HI	45.42530	10,668 m		
GOTIK	B494	43.48970	35,000 ft	30	-
FIX	AWY-HI	46.04030	10,668 m		
UNEDI	B494	43.15140	35,000 ft	41	-
FIX	AWY-HI	46.86280	10,668 m		
MKL	B494	42.82120	35,000 ft	39	MAKHACHKALA
VOR	AWY-HI	47.64540	10,668 m		
BALIP	B491	42.49360	35,000 ft	45	-
FIX	AWY-HI	48.57000	10,668 m		
BISNA	B491	42.23330	35,000 ft	35	-
FIX	AWY-HI	49.28330	10,668 m		
MARAL	M23	41.36000	35,000 ft	112	-
FIX	AWY-HI	51.50000	10,668 m		
TABAB	B450	40.90330	35,000 ft	57	-
FIX	AWY-HI	52.60830	10,668 m		
MAHYM	B450	39.83170	35,000 ft	128	-
FIX	AWY-HI	55.04830	10,668 m		
NONIK	A477	39.86500	35,000 ft	54	-
FIX	AWY-HI	56.23170	10,668 m		
KEKAL	A87	39.36830	35,000 ft	40	-
FIX	AWY-HI	56.80830	10,668 m		
BODBA	A909	38.88670	35,000 ft	89	-
FIX	AWY-HI	58.62830	10,668 m		
ABDAN	A909	38.59500	35,000 ft	38	-
FIX	AWY-HI	59.36670	10,668 m		
UTAM	A909	37.62170	35,000 ft	133	-
FIX	AWY-HI	61.89670	10,668 m		
LEMOD	A909	36.16670	35,000 ft	144	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	64.29170	10,668 m		
SADAM	-	35.92500	35,000 ft	27	-
FIX	-	64.77000	10,668 m		
SERGO	M696	35.24140	35,000 ft	121	-
FIX	AWY-LO	67.12170	10,668 m		
VUSAR	M696	34.83940	35,000 ft	60	-
FIX	AWY-LO	68.25780	10,668 m		
TAPIS	M696	34.51670	35,000 ft	48	-
FIX	AWY-LO	69.15000	10,668 m		
GIDOG	L509	34.17640	35,000 ft	44	-
FIX	AWY-HI	69.94640	10,668 m		
LAJAK	L509	33.93310	35,000 ft	31	-
FIX	AWY-HI	70.49970	10,668 m		
HANGU	G796	33.48580	35,000 ft	36	-
FIX	AWY-HI	71.00580	10,668 m		
JABAR	J139	33.53830	35,000 ft	42	-
FIX	AWY-HI	71.85610	10,668 m		
INDEK	L509	32.76670	35,000 ft	84	-
FIX	AWY-HI	73.26610	10,668 m		
SAMAR	L509	31.34670	35,000 ft	107	-
FIX	AWY-HI	74.56580	10,668 m		
ASARI	A466	30.80420	35,000 ft	44	-
FIX	AWY-HI	75.15860	10,668 m		
GUGIP	L509	26.93890	35,000 ft	404	-
FIX	AWY-HI	81.46670	10,668 m		
UXUPO	L509	25.78780	35,000 ft	119	-
FIX	AWY-HI	83.28330	10,668 m		
GGC	L509	24.74190	35,000 ft	109	GAYA
VOR	AWY-HI	84.94390	10,668 m		
TEPAL	R460	23.81170	35,000 ft	98	-
FIX	AWY-HI	86.43420	10,668 m		
OPESU	R460	23.48030	35,000 ft	38	-
FIX	AWY-HI	87.02920	10,668 m		
CEA	R460	22.67600	35,000 ft	92	KOLKATA
VOR	AWY-HI	88.44810	10,668 m		
CEA	-	22.64520	35,000 ft	1	KOLKATA VOR-DME
DME	-	88.45290	10,668 m		
AVPOP	L507	22.30250	35,000 ft	37	-
FIX	AWY-HI	89.01390	10,668 m		
ESDOT	L507	21.34580	35,000 ft	102	-
FIX	AWY-HI	90.54720	10,668 m		
TEBOV	L507	20.41760	35,000 ft	98	-
FIX	AWY-HI	91.99690	10,668 m		
SUMSU	L507	18.57930	35,000 ft	189	-
FIX	AWY-HI	94.72380	10,668 m		
OTADA	L507	18.30120	35,000 ft	29	-
FIX	AWY-HI	95.14660	10,668 m		
BGO	L507	17.31850	35,000 ft	98	BAGO
VOR	AWY-HI	96.51990	10,668 m		
ARATO	L507	16.36800	35,000 ft	92	-
FIX	AWY-HI	97.79630	10,668 m		
LIMLA	L507	15.76810	35,000 ft	58	-
FIX	AWY-HI	98.59690	10,668 m		
OSUKA	L507	14.71330	18,400 ft	90	-
FIX	AWY-HI	99.71670	5,608 m		
VTBS	-	13.68080	0 ft	86	Bangkok Suvarnabhumi Intl

Ident		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
APT	-	100.74800	0 m			

## LIMC

Region: ITALY  
Timezone: EUROPE/ROME  
Runways: 2

Elevation: 767 ft / 234 m  
Location: 45.630600 8.728120  
Magnetic Var: 3.122 E

## METAR

LIMC 100050Z 02005KT 9999 BKN050 17/12 Q1020 NOSIG

## TAF

TAF LIMC 092300Z 1000/1106 VRB04KT 9999 SCT050 TEMPO 1001/1006 4000 SHRA

## Frequencies

REC - 120.02 MHz - ATIS ARRIVAL	REC - 121.62 MHz - ATIS DEPARTURE
CLD - 120.90 MHz - CLEARANCE DELIVERY	GND - 121.82 MHz - MALPENSA GROUND
GND - 121.90 MHz - MALPENSA GROUND	TWR - 119.00 MHz - MALPENSA TOWER
TWR - 128.35 MHz - MALPENSA TOWER	APP - 126.75 MHz - MILANO APPROACH
APP - 125.62 MHz - MILANO APPROACH	APP - 132.70 MHz - MILANO APPROACH
DEP - 126.30 MHz - MILANO DEPARTURE	DEP - 126.75 MHz - MILANO DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	197 ft	12,873 ft	169.06	ASPHALT	0 ft	387 ft
	60 m	3,924 m	165.94		0 m	118 m
35L	197 ft	12,873 ft	349.07	ASPHALT	1,319 ft	197 ft
	60 m	3,924 m	345.95		402 m	60 m
17L	197 ft	12,873 ft	169.06	ASPHALT	3,081 ft	207 ft
	60 m	3,924 m	165.94		939 m	63 m
35R	197 ft	12,873 ft	349.07	ASPHALT	0 ft	180 ft
	60 m	3,924 m	345.95		0 m	55 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IMSL	110.75 MHz	25 nm	-	-	792 ft
				46 km	-		792 m
35L	DME	IMA	109.10 MHz	25 nm	-	-	768 ft
				46 km	-		768 m
35R	DME	MLP	109.90 MHz	18 nm	-	-	713 ft
				33 km	-		713 m
17L	LOC-ILS	IMSL	110.75 MHz	18 nm	169.06	-	697 ft
				33 km	165.94		697 m
35L	LOC-ILS	IMA	109.10 MHz	18 nm	349.07	-	767 ft
				33 km	345.95		767 m
35R	LOC-ILS	MLP	109.90 MHz	18 nm	349.07	-	780 ft
				33 km	345.94		780 m
17L	GS	IMSL	110.75 MHz	10 nm	170.24	3.00	792 ft
				19 km	167.12		792 m
35L	GS	IMA	109.10 MHz	10 nm	350.24	3.00	768 ft
				19 km	347.12		768 m
35R	GS	MLP	109.90 MHz	10 nm	350.24	3.00	740 ft
				19 km	347.12		740 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 100100Z 08004KT 030V190 9999 FEW020 30/22 Q1011 NOSIG

## TAF

TAF VTBS 092300Z 1000/1106 19008KT 9999 FEW020 TEMPO 1004/1008 VRB15KT 3000 TSRA FEW018CB SCT030 BECMG 1012/1014

## 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	194.32	-	4 ft
				33 km	194.85		4 m
01L	GS	ISWS	109.10 MHz	10 nm	14.32	3.00	4 ft
				19 km	14.85		4 m
01R	GS	ISES	110.10 MHz	10 nm	14.33	3.00	4 ft
				19 km	14.86		4 m
19L	GS	ISEN	110.50 MHz	10 nm	194.33	3.00	4 ft
				19 km	194.86		4 m
19R	GS	ISWN	109.50 MHz	10 nm	194.32	3.00	4 ft
				19 km	194.85		4 m