VTSB
Surat Thani

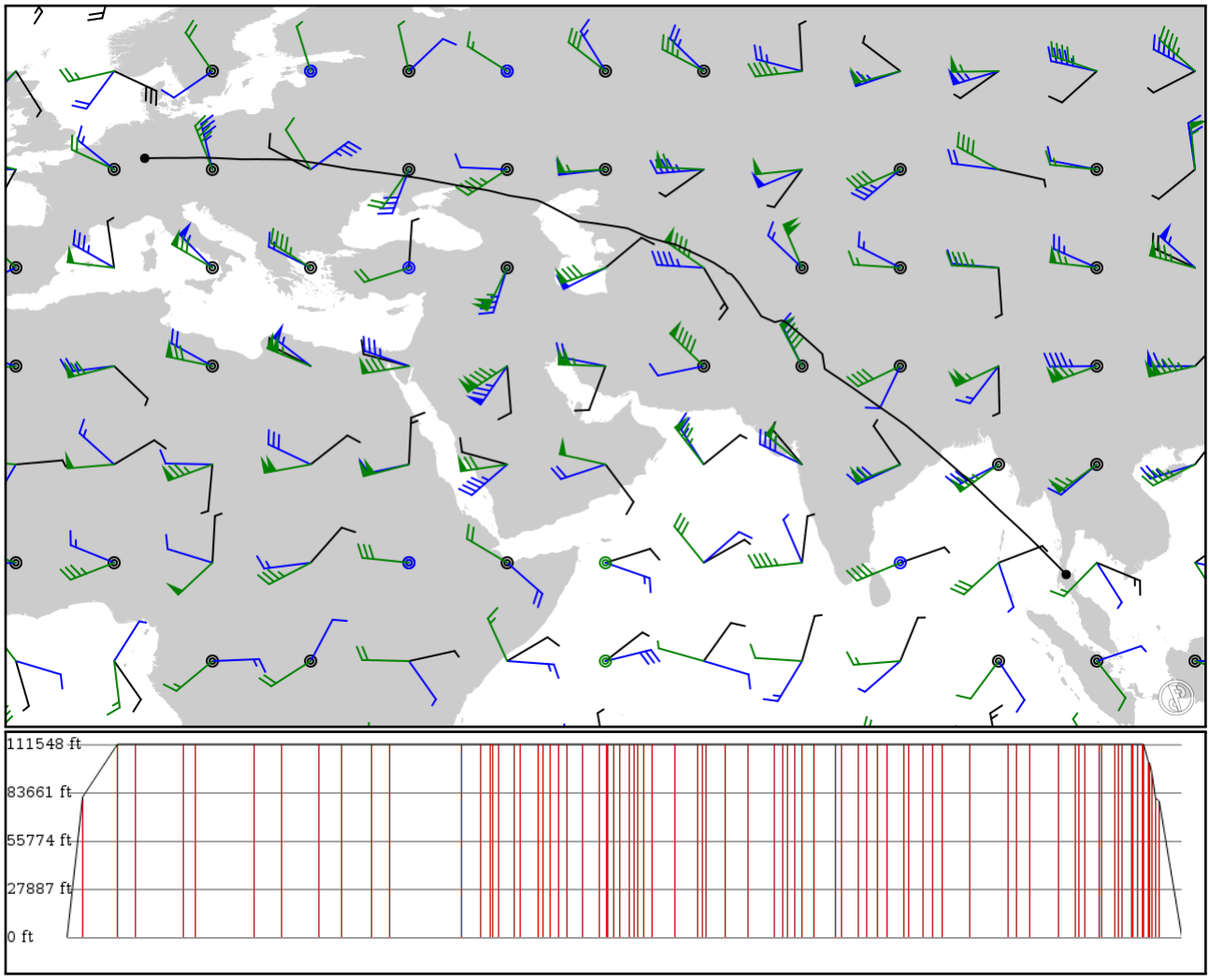
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EDDF
Frankfurt am Main

2024/03/19 0450Z

VTSB PADET **M770** KAKID **M875** BUTOP **A589** ASARI **A466** SAMAR LA **J161** PS KOTAL LAJAK **G796** MURAD **A466** AMDAR **A114** TRZ **A466** GR **W82** KASAN **A107** URG SOVOD **B712** UTAT **B440** KUNAS **B363** AKT **A87** AMATA **G246** KS **B946** ROSNI **B493** FASAD **UL984** PW **UA87** BULIG **UL984** LONLI EDDF

5099.24 nm / 9443.80 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: no

- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
VTSB APT	–	9.13260 99.13559	0 ft 0 m	–	Surat Thani
PADET FIX	–	10.00000 98.29167	24,700 ft 7,529 m	72	–
OBMOG FIX	M770 AWY-HI	11.90194 96.39194	34,000 ft 10,363 m	159	–
LALAT FIX	M770 AWY-HI	12.84694 95.41889	34,000 ft 10,363 m	80	–
SADUS FIX	M770 AWY-HI	15.42806 92.63111	34,000 ft 10,363 m	224	–
MEPEL FIX	M770 AWY-HI	16.03333 92.00000	34,000 ft 10,363 m	51	–
BUBKO FIX	M770 AWY-HI	19.18436 88.66403	34,000 ft 10,363 m	268	–
KAKID FIX	M770 AWY-HI	20.64340 86.99510	34,000 ft 10,363 m	128	–
AGROM FIX	M875 AWY-HI	22.52925 84.83344	34,000 ft 10,363 m	165	–
LAPAN FIX	M875 AWY-HI	23.73195 83.43545	34,000 ft 10,363 m	105	–
DOMET FIX	M875 AWY-HI	25.14178 81.44172	34,000 ft 10,363 m	138	–
IGONA FIX	M875 AWY-HI	25.96675 80.25836	34,000 ft 10,363 m	81	–
BUTOP FIX	M875 AWY-HI	29.32913 75.39897	34,000 ft 10,363 m	327	–
ASARI FIX	A589 AWY-HI	30.80425 75.15871	34,000 ft 10,363 m	89	–
SAMAR FIX	A466 AWY-HI	31.34667 74.56583	34,000 ft 10,363 m	44	–
LA VOR	– –	31.49972 74.40002	34,000 ft 10,363 m	12	LAHORE VOR-DME
SARPO FIX	J161 AWY-HI	31.81333 74.04778	34,000 ft 10,363 m	26	–
CADIZ FIX	J161 AWY-HI	32.63667 73.11611	34,000 ft 10,363 m	68	–
BALKA FIX	J161 AWY-HI	32.98833 72.69611	34,000 ft 10,363 m	29	–
PS VOR	J161 AWY-HI	33.97537 71.51716	34,000 ft 10,363 m	83	PESHAWAR VOR-DME
KOTAL FIX	– –	34.09972 71.14944	34,000 ft 10,363 m	19	–
LAJAK FIX	– –	33.93306 70.49972	34,000 ft 10,363 m	33	–
GERAN FIX	G796 AWY-HI	34.23889 69.80333	34,000 ft 10,363 m	39	–
MURAD FIX	G796 AWY-HI	34.51667 69.15000	34,000 ft 10,363 m	36	–
DOSHI FIX	A466 AWY-HI	35.60000 68.44167	34,000 ft 10,363 m	73	–
KHOLM FIX	A466 AWY-HI	36.71667 67.68333	34,000 ft 10,363 m	76	–
AMDAR	A466	37.20833	34,000 ft	33	–

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	67.34333	10,363 m		
TRZ	A114	37.28500	34,000 ft	4	TERMEZ VOR-DME
VOR	AWY-HI	67.30667	10,363 m		
HA	A466	37.68333	34,000 ft	27	SHERABAD NDB
NDB	AWY-HI	67.03333	10,363 m		
RATAR	A466	38.02167	34,000 ft	23	-
FIX	AWY-HI	66.76667	10,363 m		
GR	A466	38.61833	34,000 ft	43	GUZAR NDB
NDB	AWY-HI	66.23833	10,363 m		
UTSK	W82	38.81500	34,000 ft	24	-
APT	AWY-HI	65.77333	10,363 m		
KASAN	W82	39.05000	34,000 ft	16	-
FIX	AWY-HI	65.58500	10,363 m		
TUDLI	A107	39.31000	34,000 ft	23	-
FIX	AWY-HI	65.19500	10,363 m		
UTSB	A107	39.77500	34,000 ft	43	BUKHARA
APT	AWY-HI	64.48333	10,363 m		
ZUHRA	A107	40.70000	34,000 ft	102	-
FIX	AWY-HI	62.59167	10,363 m		
URG	A107	41.58333	34,000 ft	102	URGENCH VOR-DME
VOR	AWY-HI	60.65000	10,363 m		
SOVOD	-	41.70167	34,000 ft	25	-
FIX	-	60.11167	10,363 m		
UTAT	B712	41.76071	34,000 ft	12	DASHOGUZ
APT	AWY-HI	59.83794	10,363 m		
TABUN	B440	42.27333	34,000 ft	87	-
FIX	AWY-HI	57.99500	10,363 m		
KUNAS	B440	43.15667	34,000 ft	102	-
FIX	AWY-HI	56.00000	10,363 m		
MEDOL	B363	43.57361	34,000 ft	121	-
FIX	AWY-HI	53.28306	10,363 m		
NEPIL	B363	43.69250	34,000 ft	38	-
FIX	AWY-HI	52.41528	10,363 m		
LOLNA	B363	43.76750	34,000 ft	25	-
FIX	AWY-HI	51.83694	10,363 m		
AKT	B363	43.85861	34,000 ft	32	AKTAU VOR-DME
VOR	AWY-HI	51.10194	10,363 m		
AMANU	A87	44.18972	34,000 ft	32	-
FIX	AWY-HI	50.51056	10,363 m		
AZABI	A87	44.74000	34,000 ft	54	-
FIX	AWY-HI	49.50000	10,363 m		
YO	A87	45.71667	34,000 ft	99	BIRYUCHA KOSA NDB
NDB	AWY-HI	47.60000	10,363 m		
UP	A87	45.92722	34,000 ft	25	ZENZELI NDB
NDB	AWY-HI	47.06028	10,363 m		
PESOT	A87	46.22500	34,000 ft	76	-
FIX	AWY-HI	45.26667	10,363 m		
LISMU	A87	46.37333	34,000 ft	39	-
FIX	AWY-HI	44.33167	10,363 m		
SUKUL	A87	46.64667	34,000 ft	46	-
FIX	AWY-HI	43.27167	10,363 m		
AMATA	A87	46.88333	34,000 ft	43	-
FIX	AWY-HI	42.28333	10,363 m		
KS	G246	47.20000	34,000 ft	81	KRASNY NDB
NDB	AWY-HI	40.35000	10,363 m		
ROSNI	B946	47.25833	34,000 ft	21	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	39.82000	10,363 m		
FASAD	B493	47.55500	34,000 ft	63	-
FIX	AWY-HI	38.31333	10,363 m		
PW	UL984	47.74816	34,000 ft	45	PAVLIVKA NDB
NDB	AWY-HI	37.22339	10,363 m		
BULIG	UA87	47.96648	34,000 ft	42	-
FIX	AWY-HI	36.21504	10,363 m		
TABOP	UL984	48.41811	34,000 ft	122	-
FIX	AWY-HI	33.22999	10,363 m		
NM	UL984	48.96639	34,000 ft	176	NEMYRIV NDB
NDB	AWY-HI	28.84826	10,363 m		
KOROP	UL984	49.14971	34,000 ft	41	-
FIX	AWY-HI	27.84324	10,363 m		
NALAD	UL984	49.38803	34,000 ft	56	-
FIX	AWY-HI	26.44989	10,363 m		
DIBED	UL984	49.88833	34,000 ft	135	-
FIX	AWY-HI	23.05833	10,363 m		
LUXAR	UL984	49.93000	34,000 ft	72	-
FIX	AWY-HI	21.17528	10,363 m		
ADOKI	UL984	49.93583	34,000 ft	20	-
FIX	AWY-HI	20.64583	10,363 m		
SKAVI	UL984	49.94028	34,000 ft	28	-
FIX	AWY-HI	19.90000	10,363 m		
PADKA	UL984	49.93388	34,000 ft	62	-
FIX	AWY-HI	18.28327	10,363 m		
SOPAV	UL984	49.93092	34,000 ft	8	-
FIX	AWY-HI	18.05238	10,363 m		
VAMBO	UL984	50.01708	34,000 ft	62	-
FIX	AWY-HI	16.43003	10,363 m		
DOBIL	UL984	50.03869	34,000 ft	19	-
FIX	AWY-HI	15.93739	10,363 m		
PEMUR	UL984	50.05467	34,000 ft	15	-
FIX	AWY-HI	15.53824	10,363 m		
LETNA	UL984	50.09203	34,000 ft	43	-
FIX	AWY-HI	14.42218	10,363 m		
OKL	UL984	50.09648	34,000 ft	6	PRAHA VOR-DME
VOR	AWY-HI	14.26281	10,363 m		
RAK	UL984	50.09706	34,000 ft	22	RAKOVNIK NDB
NDB	AWY-HI	13.69072	10,363 m		
DOPOV	UL984	50.08081	34,000 ft	21	-
FIX	AWY-HI	13.12511	10,363 m		
DONAD	UL984	50.08081	34,000 ft	4	-
FIX	AWY-HI	13.00000	10,363 m		
OKG	UL984	50.06515	30,900 ft	22	CHEB VOR-DME
VOR	AWY-HI	12.40574	9,418 m		
OKG06	UL984	50.06763	30,700 ft	5	-
FIX	AWY-HI	12.26397	9,357 m		
ABERU	UL984	50.06936	28,800 ft	9	-
FIX	AWY-HI	12.02787	8,778 m		
KULOK	UL984	50.07278	24,500 ft	15	-
FIX	AWY-HI	11.63056	7,468 m		
LONLI	UL984	50.07472	24,000 ft	15	-
FIX	AWY-HI	11.22639	7,315 m		
EDDF	-	50.03260	0 ft	103	Frankfurt am Main
APT	-	8.54064	0 m		

VTSB

Region: THAILAND
Timezone: ASIA/BANGKOK
Runways: 1

Elevation: 20 ft / 6 m
Location: 9.132600 99.135600
Magnetic Var: 0.302 W

METAR

VTSB 190400Z 08004KT 030V130 9999 FEW020 31/21 Q1013 NOSIG

TAF

TAF VTSB 182300Z 1900/1924 33003KT 8000 FEW020 BECMG 1904/1906 07012KT BECMG 1915/1917 33003KT

Frequencies

REC - 125.95 MHz - ATIS
TWR - 122.70 MHz - SURAT THANI TOWER
APP - 123.35 MHz - SURAT THANI APPROACH
GND - 121.90 MHz - SURAT THANI GROUND
APP - 129.60 MHz - SURAT THANI APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
04	148 ft 45 m	9,912 ft 3,021 m	43.98 44.28	ASPHALT	0 ft 0 m	246 ft 75 m
22	148 ft 45 m	9,912 ft 3,021 m	223.99 224.29	ASPHALT	0 ft 0 m	197 ft 60 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
22	DME	ISTN	109.50 MHz	18 nm 33 km	- -	-	20 ft 20 m
22	LOC-ILS	ISTN	109.50 MHz	18 nm 33 km	223.99 224.29	-	20 ft 20 m
22	GS	ISTN	109.50 MHz	10 nm 19 km	223.99 224.29	3.00	20 ft 20 m

EDDF

Region: GERMANY - CIVIL
Timezone: EUROPE/BERLIN
Runways: 4

Elevation: 362 ft / 110 m
Location: 50.032600 8.540670
Magnetic Var: 3.155 E

METAR

EDDF 190420Z AUTO 02004KT 1700 0550 R25R/1800N R25C/P2000N R25L/P2000N R18/1700N BCFG BKN002 09/09 Q1018 TEMPO 04

TAF

TAF EDDF 182300Z 1900/2006 04002KT 9999 FEW025 TEMPO 1900/1909 0400 FG VV001 TEMPO 1909/1911 BKN010 TEMPO 1910/192

Frequencies

REC - 118.02 MHz - ATIS ARRIVAL
GND - 121.80 MHz - GROUND
GND - 121.70 MHz - APRON RAMP/TAXI
GND - 121.85 MHz - APRON RAMP/TAXI
TWR - 118.77 MHz - TOWER
TWR - 124.85 MHz - TOWER
TWR - 136.50 MHz - TOWER
APP - 127.27 MHz - FRANKFURT DIRECT
APP - 125.35 MHz - LANGEN RADAR
APP - 120.80 MHz - LANGEN RADAR
APP - 136.12 MHz - LANGEN RADAR

REC - 118.72 MHz - ATIS DEPARTURE
GND - 121.65 MHz - APRON RAMP/TAXI
GND - 121.95 MHz - APRON RAMP/TAXI
GND - 121.75 MHz - APRON RAMP/TAXI
TWR - 119.90 MHz - TOWER
TWR - 127.32 MHz - TOWER
CLD - 121.90 MHz - CLEARANCE DELIVERY
APP - 118.50 MHz - FRANKFURT DIRECT
APP - 126.55 MHz - LANGEN RADAR
APP - 120.15 MHz - LANGEN RADAR
APP - 119.02 MHz - LANGEN RADAR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
07L	148 ft 45 m	9,194 ft 2,802 m	69.56 66.41	CONCRETE	0 ft 0 m	0 ft 0 m
25R	148 ft 45 m	9,194 ft 2,802 m	249.59 246.44	CONCRETE	0 ft 0 m	0 ft 0 m
07C	197 ft 60 m	13,134 ft 4,003 m	69.57 66.42	ASPHALT	0 ft 0 m	203 ft 62 m
25C	197 ft 60 m	13,134 ft 4,003 m	249.61 246.46	ASPHALT	0 ft 0 m	935 ft 285 m
07R	148 ft 45 m	13,134 ft 4,003 m	69.59 66.43	ASPHALT	0 ft 0 m	213 ft 65 m
25L	148 ft 45 m	13,134 ft 4,003 m	249.63 246.47	ASPHALT	0 ft 0 m	1,775 ft 541 m
18	148 ft 45 m	13,083 ft 3,988 m	179.64 176.48	ASPHALT	0 ft 0 m	0 ft 0 m
36	148 ft 45 m	13,083 ft 3,988 m	359.64 356.48	ASPHALT	0 ft 0 m	121 ft 37 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07L	DME	IFNE	111.75 MHz	18 nm 33 km	- -	-	357 ft 357 m
25C	DME	IFCW	111.55 MHz	18 nm 33 km	- -	-	364 ft 364 m
25R	DME	IFNW	111.35 MHz	18 nm 33 km	- -	-	357 ft 357 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07C	LOC-ILS	IFCE	110.55 MHz	18 nm	69.59	-	362 ft
				33 km	66.44		362 m
07L	LOC-ILS	IFNE	111.75 MHz	18 nm	69.58	-	362 ft
				33 km	66.43		362 m
07R	LOC-ILS	IFSE	110.95 MHz	18 nm	69.61	-	362 ft
				33 km	66.46		362 m
25C	LOC-ILS	IFCW	111.55 MHz	18 nm	249.59	-	362 ft
				33 km	246.44		362 m
25L	LOC-ILS	IFSW	111.15 MHz	18 nm	249.61	-	362 ft
				33 km	246.46		362 m
25R	LOC-ILS	IFNW	111.35 MHz	18 nm	249.58	-	362 ft
				33 km	246.43		362 m
07C	GS	IFCE	110.55 MHz	10 nm	69.59	3.00	362 ft
				19 km	66.44		362 m
07L	GS	IFNE	111.75 MHz	10 nm	69.58	3.00	362 ft
				19 km	66.43		362 m
07R	GS	IFSE	110.95 MHz	10 nm	69.61	3.00	362 ft
				19 km	66.46		362 m
25C	GS	IFCW	111.55 MHz	10 nm	249.59	3.00	362 ft
				19 km	246.44		362 m
25L	GS	IFSW	111.15 MHz	10 nm	249.61	3.00	362 ft
				19 km	246.46		362 m
25R	GS	IFNW	111.35 MHz	10 nm	249.58	3.00	362 ft
				19 km	246.43		362 m