

# LTBA

Istanbul Ataturk International Airport

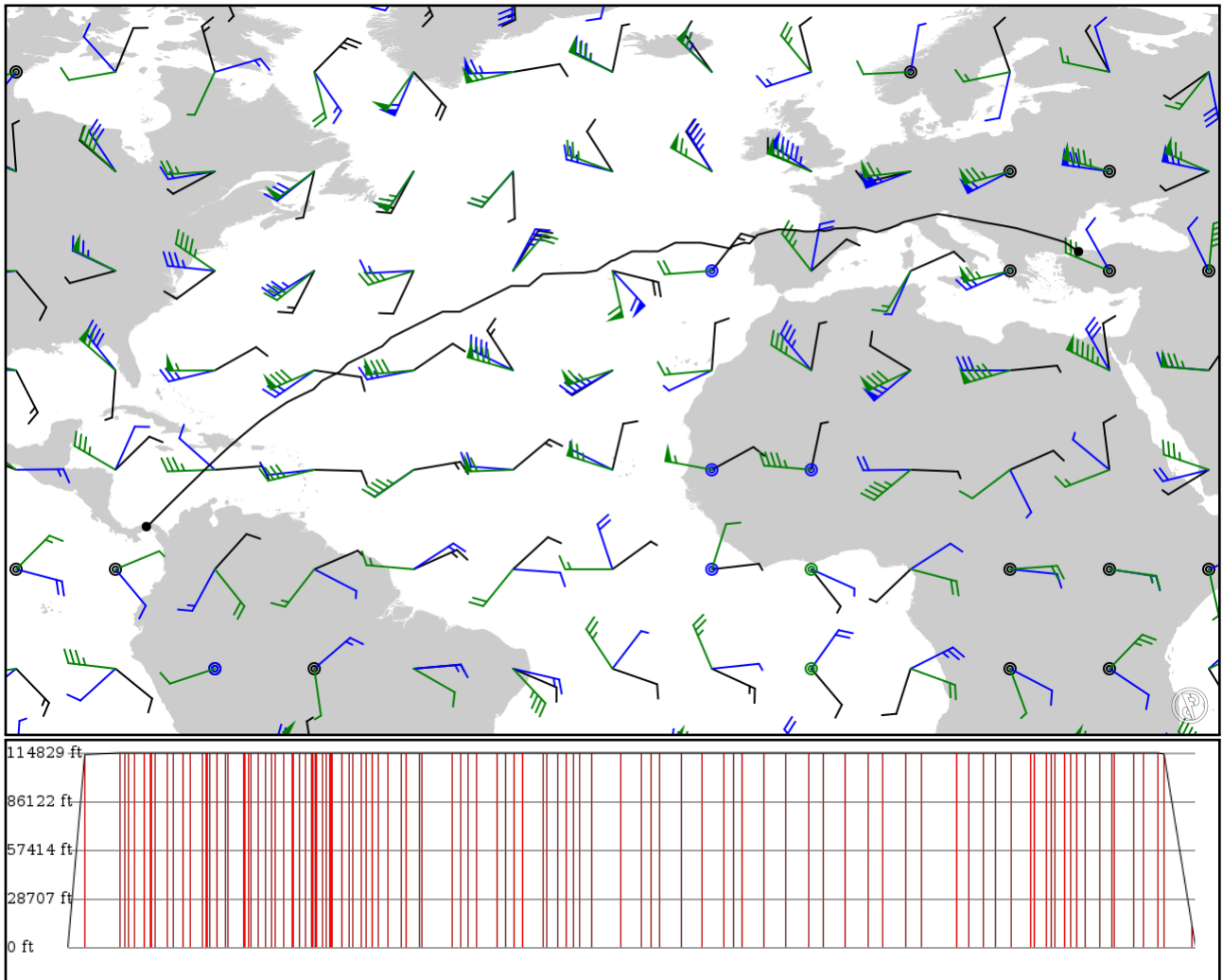
# MPTO

Tocumen Intl

2024/05/21 0245Z

LTBA VADEN **L615** DOLAP **UL615** ROTAR **L615** AKADO **M196** LAGEN **Q712** ENOBA **Z185** BADBA **UZ185** KOLON **UM984**  
PADKO **UL127** FJR **G39** AFRIC **G393** TOU **G5** AUCHE **G17** ORTEZ **UT144** BTZ **UP181** SSN **UM190** SNR **R42** VES VES  
**R42** STG **R1** DEMOS 4200N0-1000W MIMBO DIDIT **UZ28** BANAL 4200N0-1600W 4200N0-1700W 4200N0-1800W  
4100N0-2000W 4100N0-2100W 4100N0-2200W 4100N0-2300W 4000N0-2500W ANAVA **H122** LM **H123** VFL **H131**  
INBOX 3700N0-3500W 3700N0-3600W 3700N0-3700W 3600N0-3900W 3500N0-4100W 3400N0-4300W 3400N0-4400W  
3400N0-4500W 3300N0-4700W 3200N0-4900W 3100N0-5100W 3000N0-5200W 2900N0-5400W 2800N0-5600W  
2700N0-5700W 2600N0-5900W FIVZE **M597** BETIR **A319** PIXAR **UA319** CDO **M597** PALAS **UA319** MASEN **A319** OROSA  
**UA319** ERIKO **A319** SIPOK **UA319** AGUJA **A319** PANIL MPTO

6050.05 nm / 11204.70 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		Via	Lat	Alt	Dist	Name
Type			Lon		(nm)	
LTBA	-	40.97610	0 ft	-	Istanbul Ataturk International Airport	
APT	-	28.81420	0 m			
VADEN	-	42.06560	34,700 ft	97	-	
FIX	-	27.21610	10,577 m			
OGOTA	L615	43.21420	35,000 ft	185	-	
FIX	AWY-HI	23.32670	10,668 m			
DOLAP	L615	43.37420	35,000 ft	26	-	
FIX	AWY-HI	22.76830	10,668 m			
OBLAK	UL615	43.48680	35,000 ft	18	-	
FIX	AWY-HI	22.36390	10,668 m			
RAVAK	UL615	43.68740	35,000 ft	34	-	
FIX	AWY-HI	21.62700	10,668 m			
NANER	UL615	43.90830	35,000 ft	52	-	
FIX	AWY-HI	20.46430	10,668 m			
KOSIV	UL615	44.02690	35,000 ft	29	-	
FIX	AWY-HI	19.80910	10,668 m			
KUKUN	UL615	44.07080	35,000 ft	11	-	
FIX	AWY-HI	19.56030	10,668 m			
VEBAR	UL615	44.13670	35,000 ft	16	-	
FIX	AWY-HI	19.18030	10,668 m			
BOSNA	UL615	44.37060	35,000 ft	62	-	
FIX	AWY-HI	17.75970	10,668 m			
NAVSU	UL615	44.54830	35,000 ft	38	-	
FIX	AWY-HI	16.90140	10,668 m			
KOREX	UL615	44.77110	35,000 ft	50	-	
FIX	AWY-HI	15.76920	10,668 m			
OBALA	UL615	44.92030	35,000 ft	35	-	
FIX	AWY-HI	14.97250	10,668 m			
NAKIT	UL615	45.18810	35,000 ft	66	-	
FIX	AWY-HI	13.44780	10,668 m			
ROTAR	UL615	45.26280	35,000 ft	19	-	
FIX	AWY-HI	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			
ENoba	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	-	

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
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	35,000 ft	42	-
FIX	AWY-LO	3.02333	10,668 m		
AFRIC	G39	43.77420	35,000 ft	6	-
FIX	AWY-LO	2.86917	10,668 m		
FINOT	G393	43.71510	35,000 ft	36	-
FIX	AWY-LO	2.02989	10,668 m		
TOU	G393	43.68080	35,000 ft	31	TOULOUSE BLAGNAC
VOR	AWY-LO	1.30981	10,668 m		
AUCHE	G5	43.65140	35,000 ft	32	-
FIX	AWY-LO	0.55833	10,668 m		
USAKU	G17	43.62420	35,000 ft	4	-
FIX	AWY-LO	0.47222	10,668 m		
DISIS	G17	43.54190	35,000 ft	12	-
FIX	AWY-LO	0.21472	10,668 m		
LMB	G17	43.46670	35,000 ft	11	LEMBEYE
VOR	AWY-LO	-0.01842	10,668 m		
ORTEZ	G17	43.36560	35,000 ft	31	-
FIX	AWY-LO	-0.71667	10,668 m		
BIDAC	UT144	43.41730	35,000 ft	18	-
FIX	AWY-HI	-1.13567	10,668 m		
BTZ	UT144	43.46660	35,000 ft	16	BIARRITZ PAYS BASQUE
VOR	AWY-HI	-1.51028	10,668 m		
URUNA	UP181	43.35500	35,000 ft	12	-
FIX	AWY-HI	-1.74028	10,668 m		
SSN	UP181	43.31120	35,000 ft	4	SAN SEBASTIAN
VOR	AWY-HI	-1.83039	10,668 m		
BLV	UM190	43.30440	35,000 ft	48	BILBAO
VOR	AWY-HI	-2.93589	10,668 m		
SNR	UM190	43.44980	35,000 ft	43	SANTANDER
VOR	AWY-HI	-3.90242	10,668 m		
OBETO	R42	43.47620	35,000 ft	18	-
FIX	AWY-LO	-4.33333	10,668 m		
AMAKA	R42	43.52880	35,000 ft	43	-
FIX	AWY-LO	-5.32097	10,668 m		
VES	R42	43.55710	35,000 ft	29	ASTURIAS
VOR	AWY-LO	-6.00708	10,668 m		
VES	-	43.56460	35,000 ft	1	ASTURIAS VOR-DME
DME	-	-6.03075	10,668 m		
MASIP	R42	43.39230	35,000 ft	29	-
FIX	AWY-LO	-6.65569	10,668 m		
ROXER	R42	43.21300	35,000 ft	32	-
FIX	AWY-LO	-7.35756	10,668 m		
STG	R42	42.92690	35,000 ft	49	SANTIAGO
VOR	AWY-LO	-8.42539	10,668 m		
DEMOS	R1	41.92570	35,000 ft	73	-
FIX	AWY-LO	-9.36200	10,668 m		
4200N0-1000W	-	42.00000	35,000 ft	28	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-10.00000	10,668 m		
MIMBO	-	41.57080	35,000 ft	66	-
FIX	-	-11.37720	10,668 m		
DIDIT	-	41.32000	35,000 ft	17	-
FIX	-	-11.57170	10,668 m		
BANAL	UZ28	42.00000	35,000 ft	159	-
FIX	AWY-HI	-15.00000	10,668 m		
4200N0-1600W	-	42.00000	35,000 ft	44	-
LATLON	-	-16.00000	10,668 m		
4200N0-1700W	-	42.00000	35,000 ft	44	-
LATLON	-	-17.00000	10,668 m		
4200N0-1800W	-	42.00000	35,000 ft	44	-
LATLON	-	-18.00000	10,668 m		
4100N0-2000W	-	41.00000	35,000 ft	108	-
LATLON	-	-20.00000	10,668 m		
4100N0-2100W	-	41.00000	35,000 ft	45	-
LATLON	-	-21.00000	10,668 m		
4100N0-2200W	-	41.00000	35,000 ft	45	-
LATLON	-	-22.00000	10,668 m		
4100N0-2300W	-	41.00000	35,000 ft	45	-
LATLON	-	-23.00000	10,668 m		
4000N0-2500W	-	40.00000	35,000 ft	109	-
LATLON	-	-25.00000	10,668 m		
ANAVA	-	39.89940	35,000 ft	19	-
FIX	-	-25.40890	10,668 m		
DOLER	H122	39.26810	35,000 ft	58	-
FIX	AWY-HI	-26.38000	10,668 m		
LM	H122	38.78390	35,000 ft	44	LAJES
VOR	AWY-HI	-27.10440	10,668 m		
SOLGI	H123	38.62490	35,000 ft	44	-
FIX	AWY-HI	-28.03270	10,668 m		
VFL	H123	38.51940	35,000 ft	28	HORTA
VOR	AWY-HI	-28.62360	10,668 m		
INBUL	H131	38.49530	35,000 ft	64	-
FIX	AWY-HI	-30.00000	10,668 m		
INBOX	H131	38.36830	35,000 ft	158	-
FIX	AWY-HI	-33.36360	10,668 m		
3700N0-3500W	-	37.00000	35,000 ft	113	-
LATLON	-	-35.00000	10,668 m		
3700N0-3600W	-	37.00000	35,000 ft	47	-
LATLON	-	-36.00000	10,668 m		
3700N0-3700W	-	37.00000	35,000 ft	47	-
LATLON	-	-37.00000	10,668 m		
3600N0-3900W	-	36.00000	35,000 ft	113	-
LATLON	-	-39.00000	10,668 m		
3500N0-4100W	-	35.00000	35,000 ft	114	-
LATLON	-	-41.00000	10,668 m		
3400N0-4300W	-	34.00000	35,000 ft	115	-
LATLON	-	-43.00000	10,668 m		
3400N0-4400W	-	34.00000	35,000 ft	49	-
LATLON	-	-44.00000	10,668 m		
3400N0-4500W	-	34.00000	35,000 ft	49	-
LATLON	-	-45.00000	10,668 m		
3300N0-4700W	-	33.00000	35,000 ft	116	-
LATLON	-	-47.00000	10,668 m		
3200N0-4900W	-	32.00000	35,000 ft	117	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-49.00000	10,668 m		
3100N0-5100W	-	31.00000	35,000 ft	118	-
LATLON	-	-51.00000	10,668 m		
3000N0-5200W	-	30.00000	35,000 ft	79	-
LATLON	-	-52.00000	10,668 m		
2900N0-5400W	-	29.00000	35,000 ft	120	-
LATLON	-	-54.00000	10,668 m		
2800N0-5600W	-	28.00000	35,000 ft	121	-
LATLON	-	-56.00000	10,668 m		
2700N0-5700W	-	27.00000	35,000 ft	80	-
LATLON	-	-57.00000	10,668 m		
2600N0-5900W	-	26.00000	35,000 ft	123	-
LATLON	-	-59.00000	10,668 m		
FIVZE	-	25.00000	35,000 ft	80	-
FIX	-	-60.00000	10,668 m		
TARMO	M597	23.50000	35,000 ft	189	-
FIX	AWY-HI	-63.05260	10,668 m		
QNEPA	M597	22.84130	35,000 ft	67	-
FIX	AWY-HI	-64.04060	10,668 m		
KEEKA	M597	22.09710	35,000 ft	75	-
FIX	AWY-HI	-65.13480	10,668 m		
THANK	M597	21.46040	35,000 ft	63	-
FIX	AWY-HI	-66.05350	10,668 m		
JANMA	M597	20.53930	35,000 ft	83	-
FIX	AWY-HI	-67.17740	10,668 m		
BETIR	M597	19.34310	35,000 ft	107	-
FIX	AWY-HI	-68.60430	10,668 m		
PIXAR	A319	19.14170	35,000 ft	18	-
FIX	AWY-HI	-68.84030	10,668 m		
CDO	UA319	18.43420	35,000 ft	63	PUNTA CAUCEDO (SANTO DOMINGO)
VOR	AWY-HI	-69.66730	10,668 m		
VOGAR	M597	18.14940	35,000 ft	24	-
FIX	AWY-HI	-69.97780	10,668 m		
GABRA	M597	17.85420	35,000 ft	25	-
FIX	AWY-HI	-70.29940	10,668 m		
RODBU	M597	17.28690	35,000 ft	48	-
FIX	AWY-HI	-70.91280	10,668 m		
KATIN	M597	16.91220	35,000 ft	32	-
FIX	AWY-HI	-71.31470	10,668 m		
PALAS	M597	16.56670	35,000 ft	29	-
FIX	AWY-HI	-71.68330	10,668 m		
MASEN	UA319	15.98410	35,000 ft	49	-
FIX	AWY-HI	-72.28920	10,668 m		
LIDOL	A319	15.08260	35,000 ft	76	-
FIX	AWY-LO	-73.21640	10,668 m		
OROSA	A319	14.31170	35,000 ft	64	-
FIX	AWY-LO	-74.00000	10,668 m		
ERIKO	UA319	14.16690	35,000 ft	12	-
FIX	AWY-HI	-74.15030	10,668 m		
SIPOK	A319	12.93530	35,000 ft	104	-
FIX	AWY-LO	-75.41940	10,668 m		
NESMO	UA319	12.27440	35,000 ft	55	-
FIX	AWY-HI	-76.09190	10,668 m		
ESKOR	UA319	11.37470	35,000 ft	75	-
FIX	AWY-HI	-77.00000	10,668 m		
AGUJA	UA319	10.95860	34,800 ft	35	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-77.41670	10,607 m		
PANIL	A319	9.24528	4,000 ft	143	-
FIX	AWY-LO	-79.11720	1,219 m		
MPTO	-	9.07140	0 ft	18	Tocumen Intl
APT	-	-79.38340	0 m		

## LTBA

Region: TURKEY  
Timezone: EUROPE/ISTANBUL  
Runways: 1

Elevation: 163 ft / 50 m  
Location: 40.976100 28.814200  
Magnetic Var: 6.069 E

## METAR

LTBA 210220Z 03008KT 9999 SCT035 BKN100 16/12 Q1016 RMK RWY23 04007KT

## TAF

TAF LTBA 202240Z 2100/2124 02009KT 9999 SCT040 PROB40 2103/2107 4000 BR BKN006 BECMG 2107/2110 CAVOK

## Frequencies

REC - 130.25 MHz - D-ATIS ARRIVAL	REC - 128.20 MHz - D-ATIS DEPARTURE
TWR - 118.02 MHz - YESILKOY TOWER	TWR - 118.10 MHz - YESILKOY TOWER
TWR - 118.17 MHz - YESILKOY TOWER	TWR - 118.37 MHz - YESILKOY TOWER
TWR - 119.80 MHz - YESILKOY TOWER	TWR - 121.35 MHz - YESILKOY TOWER
TWR - 121.60 MHz - YESILKOY TOWER	TWR - 121.97 MHz - YESILKOY TOWER
TWR - 123.52 MHz - YESILKOY TOWER	TWR - 125.30 MHz - YESILKOY TOWER
TWR - 125.90 MHz - YESILKOY TOWER	TWR - 126.05 MHz - YESILKOY TOWER
TWR - 126.80 MHz - YESILKOY TOWER	APP - 118.95 MHz - YESILKOY APPROACH
APP - 119.35 MHz - YESILKOY APPROACH	APP - 119.47 MHz - YESILKOY APPROACH
APP - 120.12 MHz - YESILKOY APPROACH	APP - 120.45 MHz - YESILKOY APPROACH
APP - 120.50 MHz - YESILKOY APPROACH	APP - 120.70 MHz - YESILKOY APPROACH
APP - 121.10 MHz - YESILKOY APPROACH	APP - 121.25 MHz - YESILKOY APPROACH
APP - 122.47 MHz - YESILKOY APPROACH	APP - 122.57 MHz - YESILKOY APPROACH
APP - 122.67 MHz - YESILKOY APPROACH	APP - 124.45 MHz - YESILKOY APPROACH
APP - 126.42 MHz - YESILKOY APPROACH	APP - 127.10 MHz - YESILKOY APPROACH
APP - 127.82 MHz - YESILKOY APPROACH	APP - 128.72 MHz - YESILKOY APPROACH
APP - 130.30 MHz - YESILKOY APPROACH	APP - 131.12 MHz - YESILKOY APPROACH
APP - 132.05 MHz - YESILKOY APPROACH	APP - 132.32 MHz - YESILKOY APPROACH
APP - 132.47 MHz - YESILKOY APPROACH	APP - 132.77 MHz - YESILKOY APPROACH
APP - 132.95 MHz - YESILKOY APPROACH	APP - 133.07 MHz - YESILKOY APPROACH
APP - 133.22 MHz - YESILKOY APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	197 ft 60 m	8,513 ft 2,595 m	58.45 52.38	ASPHALT	492 ft 150 m	207 ft 63 m
23	197 ft 60 m	8,513 ft 2,595 m	238.47 232.40	ASPHALT	0 ft 0 m	197 ft 60 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	DME	IIST	110.30 MHz	18 nm 33 km	- -	-	82 ft 82 m
23	DME	IATA	111.90 MHz	18 nm 33 km	- -	-	163 ft 163 m
05	LOC-ILS	IIST	110.30 MHz	18 nm 33 km	58.46 52.39	-	163 ft 163 m
23	LOC-ILS	IATA	111.90 MHz	18 nm 33 km	238.46 232.39	-	163 ft 163 m



Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	GS	IIST	110.30 MHz	10 nm	58.46	3.00	163 ft
				19 km	52.39		163 m
23	GS	IATA	111.90 MHz	10 nm	238.46	3.20	163 ft
				19 km	232.39		163 m

## MPTO

Region: PANAMA  
Timezone: AMERICA/PANAMA  
Runways: 2

Elevation: 134 ft / 41 m  
Location: 9.071400 -79.383500  
Magnetic Var: 5.457 W

## METAR

MPTO 210200Z 29005KT 9999 SCT018 BKN090 27/25 Q1009 NOSIG

## TAF

TAF MPTO 202300Z 2100/2206 29006KT 9999 SCT018 BKN090 TEMPO 2106/2110 VRB02KT TEMPO 2114/2116 05004KT SCT016CB BK

## Frequencies

REC - 127.70 MHz - ATIS	TWR - 118.10 MHz - TOCUMEN TOWER
GND - 121.90 MHz - TOCUMEN GROUND	GND - 112.05 MHz - TOCUMEN GROUND
CLD - 129.80 MHz - CLEARANCE DELIVERY	APP - 121.20 MHz - PANAMA APPROACH
APP - 123.30 MHz - PANAMA APPROACH	APP - 119.70 MHz - PANAMA APPROACH
APP - 119.20 MHz - PANAMA APPROACH	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03R	148 ft	10,049 ft	29.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	34.78		0 m	0 m
21L	148 ft	10,049 ft	209.33	CONCRETE	0 ft	0 ft
	45 m	3,063 m	214.79		0 m	0 m
03L	148 ft	8,832 ft	30.67	ASPHALT	814 ft	0 ft
	45 m	2,692 m	36.13		248 m	0 m
21R	148 ft	8,832 ft	210.67	ASPHALT	0 ft	0 ft
	45 m	2,692 m	216.13		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03R	DME	INAT	110.70 MHz	18 nm	-	-	50 ft
				33 km	-		50 m
03R	LOC-ILS	INAT	110.70 MHz	18 nm	29.33	-	134 ft
				33 km	34.79		134 m
03R	GS	INAT	110.70 MHz	10 nm	29.33	3.00	134 ft
				19 km	34.79		134 m