

MPTO

Tocumen Intl

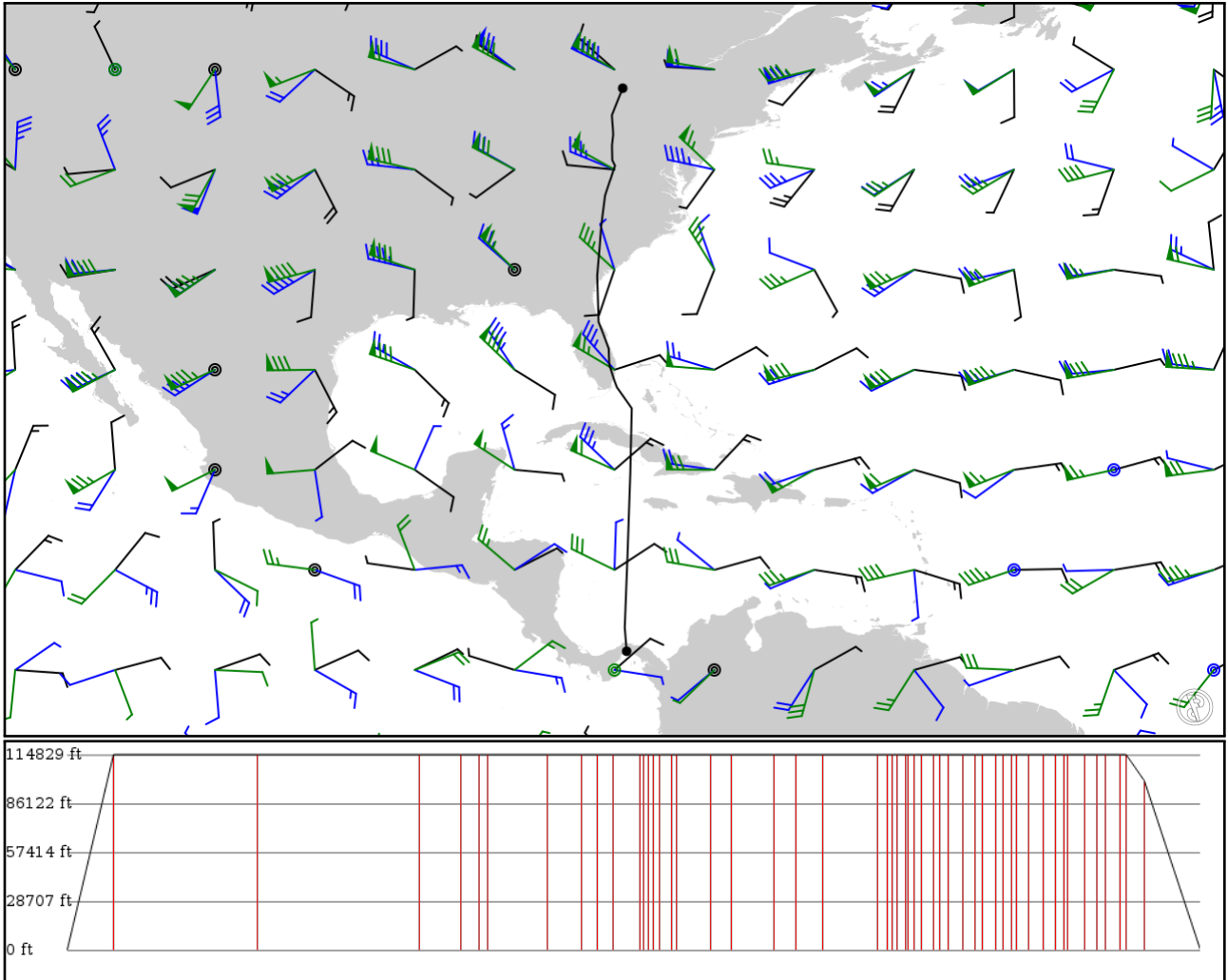
CYYZ

Toronto Pearson Intl

2024/05/01 0409Z

MPTO LIVUD **UL780** URSUS **A509** EONNS **G430** VKZ **J113** ARKES **V159** TRV **J79** OMN **J103** SAV **J51** CAE **V37** EKN
V103 CKB **V37** ERI CYYZ

2113.56 nm / 3914.32 km



Notes

Basic altitude profile:

- Ascent Rate: 3000ft/min
- Ascent Speed: 185kts
- Cruise Altitude: 35000ft
- Cruise Speed: 410kts
- Descent Rate: 2000ft/min
- Descent Speed: 190kts

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
MPTO	-	9.07140	0 ft	-	Tocumen Intl
APT	-	-79.38350	0 m		
LIVUD	-	10.52780	35,000 ft	87	-
FIX	-	-79.50060	10,668 m		
DAGUD	UL780	15.00000	35,000 ft	268	-
FIX	AWY-HI	-79.32830	10,668 m		
GAXER	UL780	20.00000	35,000 ft	300	-
FIX	AWY-HI	-79.15830	10,668 m		
PIGBO	UL780	21.31360	35,000 ft	78	-
FIX	AWY-HI	-79.12940	10,668 m		
HUZAR	UL780	21.88360	35,000 ft	34	-
FIX	AWY-HI	-79.11640	10,668 m		
TASNO	UL780	22.12830	35,000 ft	14	-
FIX	AWY-HI	-79.11110	10,668 m		
URSUS	UL780	24.00010	35,000 ft	112	-
FIX	AWY-HI	-79.06980	10,668 m		
ELLEE	A509	24.88060	35,000 ft	62	-
FIX	AWY-HI	-79.69000	10,668 m		
EONNS	A509	25.29670	35,000 ft	29	-
FIX	AWY-HI	-79.98680	10,668 m		
VKZ	G430	25.75190	35,000 ft	28	VIRGINIA KEY
VOR	AWY-HI	-80.15440	10,668 m		
ARKES	J113	26.57710	35,000 ft	51	-
FIX	AWY-HI	-80.41770	10,668 m		
NITNY	V159	26.68020	35,000 ft	6	-
FIX	AWY-LO	-80.45080	10,668 m		
YIGBO	V159	26.82560	35,000 ft	8	-
FIX	AWY-LO	-80.45640	10,668 m		
JUPEM	V159	26.98670	35,000 ft	9	-
FIX	AWY-LO	-80.46260	10,668 m		
TBIRD	V159	27.15620	35,000 ft	10	-
FIX	AWY-LO	-80.46940	10,668 m		
BIWIK	V159	27.52810	35,000 ft	22	-
FIX	AWY-LO	-80.48380	10,668 m		
TRV	V159	27.67840	35,000 ft	9	TREASURE (VERO BEACH)
VOR	AWY-LO	-80.48970	10,668 m		
MALET	J79	28.69160	35,000 ft	64	-
FIX	AWY-HI	-80.86790	10,668 m		
OMN	J79	29.30330	35,000 ft	38	ORMOND BEACH
VOR	AWY-HI	-81.11270	10,668 m		
BEENO	J103	30.63940	35,000 ft	80	-
FIX	AWY-HI	-81.15260	10,668 m		
MILIE	J103	31.32860	35,000 ft	41	-
FIX	AWY-HI	-81.17370	10,668 m		
SAV	J103	32.14630	35,000 ft	49	SAVANNAH
VOR	AWY-HI	-81.19910	10,668 m		
CAE	J51	33.85730	35,000 ft	103	COLUMBIA
VOR	AWY-HI	-81.05390	10,668 m		
BEFTY	V37	34.14020	35,000 ft	17	-
FIX	AWY-LO	-81.03250	10,668 m		
BLOTS	V37	34.28320	35,000 ft	8	-
FIX	AWY-LO	-81.02160	10,668 m		
GREAT	V37	34.45710	35,000 ft	10	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-81.00830	10,668 m		
RICHE	V37	34.69840	35,000 ft	14	-
FIX	AWY-LO	-80.98980	10,668 m		
ZUKUR	V37	34.77070	35,000 ft	4	-
FIX	AWY-LO	-80.98430	10,668 m		
CIBOB	V37	34.99040	35,000 ft	13	-
FIX	AWY-LO	-80.96730	10,668 m		
CLT	V37	35.19030	35,000 ft	12	CHARLOTTE
VOR	AWY-LO	-80.95180	10,668 m		
MOPED	V37	35.57120	35,000 ft	22	-
FIX	AWY-LO	-80.90470	10,668 m		
OWALT	V37	35.74950	35,000 ft	10	-
FIX	AWY-LO	-80.88260	10,668 m		
JOTTA	V37	36.01470	35,000 ft	16	-
FIX	AWY-LO	-80.84940	10,668 m		
MEGXE	V37	36.49010	35,000 ft	28	-
FIX	AWY-LO	-80.78940	10,668 m		
DOILY	V37	36.87130	35,000 ft	23	-
FIX	AWY-LO	-80.74070	10,668 m		
PSK	V37	37.08770	35,000 ft	13	PULASKI (DUBLIN)
VOR	AWY-LO	-80.71290	10,668 m		
ZOOMS	V37	37.47560	35,000 ft	24	-
FIX	AWY-LO	-80.58520	10,668 m		
PEEBE	V37	37.71810	35,000 ft	15	-
FIX	AWY-LO	-80.50470	10,668 m		
FRETT	V37	37.96060	35,000 ft	15	-
FIX	AWY-LO	-80.42360	10,668 m		
OAKLE	V37	38.12050	35,000 ft	10	-
FIX	AWY-LO	-80.36250	10,668 m		
HAWKI	V37	38.47910	35,000 ft	22	-
FIX	AWY-LO	-80.24840	10,668 m		
EKN	V37	38.91440	35,000 ft	27	ELKINS
VOR	AWY-LO	-80.09930	10,668 m		
CKB	V103	39.25320	35,000 ft	21	CLARKSBURG
VOR	AWY-LO	-80.26790	10,668 m		
METZE	V37	39.52710	35,000 ft	16	-
FIX	AWY-LO	-80.27410	10,668 m		
TEDDS	V37	39.63850	35,000 ft	6	-
FIX	AWY-LO	-80.27610	10,668 m		
AKSAR	V37	40.15930	35,000 ft	31	-
FIX	AWY-LO	-80.28740	10,668 m		
CETPU	V37	40.55940	35,000 ft	24	-
FIX	AWY-LO	-80.24210	10,668 m		
EWC	V37	40.82490	35,000 ft	16	ELLWOOD CITY
VOR	AWY-LO	-80.21150	10,668 m		
MERCY	V37	41.26610	35,000 ft	26	-
FIX	AWY-LO	-80.23610	10,668 m		
HAGAR	V37	41.46070	35,000 ft	11	-
FIX	AWY-LO	-80.25450	10,668 m		
ERI	V37	42.01740	30,300 ft	33	ERIE
VOR	AWY-LO	-80.29270	9,235 m		
CYYZ	-	43.67610	0 ft	103	Toronto Pearson Intl
APT	-	-79.62770	0 m		

MPTO

Region: PANAMA
Timezone: AMERICA/PANAMA
Runways: 2

Elevation: 134 ft / 41 m
Location: 9.071400 -79.383500
Magnetic Var: 5.449 W

METAR

MPTO 010300Z VRB02KT 9999 SCT017 SCT090 28/24 Q1009 NOSIG

TAF

TAF MPTO 302300Z 0100/0206 18008KT 9999 SCT018 SCT090 TEMPO 0100/0104 04005KT TEMPO 0106/0110 VRB02KT TEMPO 0114/

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	214.78		0 m	0 m
03L	148 ft	8,832 ft	30.67	ASPHALT	814 ft	0 ft
	45 m	2,692 m	36.12		248 m	0 m
21R	148 ft	8,832 ft	210.67	ASPHALT	0 ft	0 ft
	45 m	2,692 m	216.12		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	34.78		134 m
03R	GS	INAT	110.70 MHz	10 nm	29.33	3.00	134 ft
				19 km	34.78		134 m

CYYZ

Region: CANADA
Timezone: AMERICA/TORONTO
Runways: 5

Elevation: 564 ft / 172 m
Location: 43.676100 -79.627700
Magnetic Var: 10.261 W

METAR

CYYZ 010343Z 17003KT 1/2SM R06R/P6000FT/N R05/P6000FT/N FG BKN041 09/09 A2989 RMK FG6SC1 SLP127

TAF

TAF AMD CYYZ 010318Z 0103/0206 22005KT 6SM BR BKN040 TEMPO 0103/0106 1/2SM FG BKN020 FM010600 VRB03KT 1/2SM FG BKN

Frequencies

TWR - 118.35 MHz - TORONTO TOWER
GND - 119.10 MHz - TORONTO GROUND
GND - 121.90 MHz - TORONTO GROUND
REC - 133.10 MHz - ATIS
APP - 132.80 MHz - TORONTO APPROACH
APP - 125.40 MHz - TORONTO APPROACH
DEP - 127.57 MHz - TORONTO DEPARTURE

TWR - 118.70 MHz - TORONTO TOWER
GND - 121.65 MHz - TORONTO GROUND
REC - 120.82 MHz - ATIS
CLD - 121.30 MHz - CLEARANCE DELIVERY
APP - 124.47 MHz - TORONTO APPROACH
APP - 123.27 MHz - LONDON RADIO
DEP - 128.80 MHz - TORONTO DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06L	197 ft	9,707 ft	46.43	ASPHALT	0 ft	131 ft
	60 m	2,959 m	56.69		0 m	40 m
24R	197 ft	9,707 ft	226.45	ASPHALT	194 ft	98 ft
	60 m	2,959 m	236.71		59 m	30 m
06R	197 ft	9,007 ft	46.43	ASPHALT	0 ft	95 ft
	60 m	2,745 m	56.69		0 m	29 m
24L	197 ft	9,007 ft	226.45	ASPHALT	0 ft	95 ft
	60 m	2,745 m	236.71		0 m	29 m
05	197 ft	11,128 ft	46.39	ASPHALT	141 ft	141 ft
	60 m	3,392 m	56.65		43 m	43 m
23	197 ft	11,128 ft	226.41	ASPHALT	492 ft	141 ft
	60 m	3,392 m	236.67		150 m	43 m
15L	197 ft	11,061 ft	136.64	ASPHALT	0 ft	92 ft
	60 m	3,372 m	146.90		0 m	28 m
33R	197 ft	11,061 ft	316.66	ASPHALT	0 ft	89 ft
	60 m	3,372 m	326.92		0 m	27 m
15R	197 ft	9,097 ft	136.62	ASPHALT	597 ft	0 ft
	60 m	2,773 m	146.88		182 m	0 m
33L	197 ft	9,097 ft	316.64	ASPHALT	591 ft	0 ft
	60 m	2,773 m	326.90		180 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
24L	DME	IIDP	111.95 MHz	18 nm	-	-	568 ft
				33 km	-		568 m
24R	DME	INV	109.30 MHz	18 nm	-	-	546 ft
				33 km	-		546 m
05	LOC-ILS	ITX	109.70 MHz	18 nm	46.40	-	564 ft
				33 km	56.66		564 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
06L	LOC-ILS	IJS	109.10 MHz	18 nm 33 km	46.44 56.70	-	564 ft 564 m
06R	LOC-ILS	ICV	111.95 MHz	18 nm 33 km	46.44 56.70	-	564 ft 564 m
15L	LOC-ILS	IRW	110.50 MHz	18 nm 33 km	136.65 146.91	-	564 ft 564 m
15R	LOC-ILS	ILP	110.95 MHz	18 nm 33 km	136.63 146.89	-	564 ft 564 m
23	LOC-ILS	IYZ	111.50 MHz	18 nm 33 km	226.40 236.66	-	564 ft 564 m
24L	LOC-ILS	IDP	111.95 MHz	18 nm 33 km	226.44 236.70	-	564 ft 564 m
24R	LOC-ILS	INV	109.30 MHz	18 nm 33 km	226.44 236.70	-	564 ft 564 m
33L	LOC-ILS	ITO	110.95 MHz	18 nm 33 km	316.63 326.89	-	564 ft 564 m
33R	LOC-ILS	ILE	110.30 MHz	18 nm 33 km	316.65 326.91	-	564 ft 564 m
05	GS	ITX	109.70 MHz	10 nm 19 km	46.40 56.66	3.00	564 ft 564 m
06L	GS	IJS	109.10 MHz	10 nm 19 km	46.44 56.70	3.00	564 ft 564 m
06R	GS	ICV	111.95 MHz	10 nm 19 km	46.44 56.70	3.00	564 ft 564 m
15L	GS	IRW	110.50 MHz	10 nm 19 km	136.65 146.91	3.00	564 ft 564 m
15R	GS	ILP	110.95 MHz	10 nm 19 km	136.63 146.89	3.00	564 ft 564 m
23	GS	IYZ	111.50 MHz	10 nm 19 km	226.40 236.66	3.00	564 ft 564 m
24L	GS	IIDP	111.95 MHz	10 nm 19 km	226.44 236.70	3.00	564 ft 564 m
24R	GS	INV	109.30 MHz	10 nm 19 km	226.44 236.70	3.00	564 ft 564 m
33L	GS	ITO	110.95 MHz	10 nm 19 km	316.63 326.89	3.00	564 ft 564 m
33R	GS	ILE	110.30 MHz	10 nm 19 km	316.65 326.91	3.00	564 ft 564 m