

MPTO

Tocumen Intl

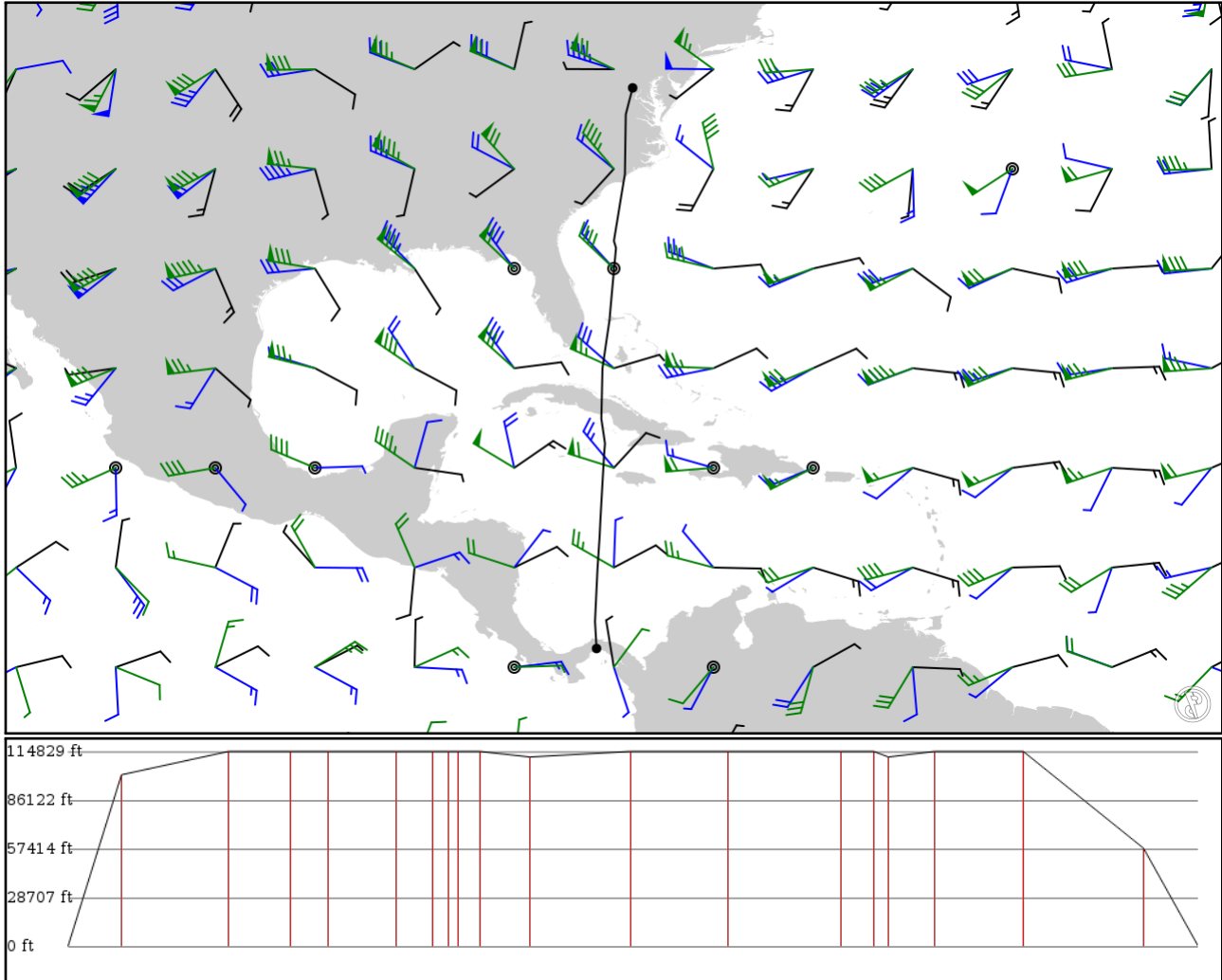
KIAD

Washington Dulles Intl

2024/05/12 2014Z

MPTO MARMA **UG437** GONIS **UL341** PIGBO **UL780** URSUS **AR23** OZENA EMCEE **AR16** ILM **J109** FAK KIAD

1802.62 nm / 3338.46 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
MPTO	-	9.07136	0 ft	-	Tocumen Intl
APT	-	-79.38346	0 m		
MARMA	-	10.50833	30,800 ft	86	-
FIX	-	-79.46667	9,388 m		
TOLIN	UG437	13.33439	35,000 ft	169	-
FIX	AWY-HI	-79.33311	10,668 m		
DUXUN	UG437	15.00000	35,000 ft	100	-
FIX	AWY-HI	-79.22306	10,668 m		
BOMEN	UG437	16.00000	35,000 ft	60	-
FIX	AWY-HI	-79.17500	10,668 m		
GABAN	UG437	17.79000	35,000 ft	107	-
FIX	AWY-HI	-79.07500	10,668 m		
FROST	UG437	18.76000	35,000 ft	58	-
FIX	AWY-HI	-79.02000	10,668 m		
KODAK	UG437	19.16500	35,000 ft	24	-
FIX	AWY-HI	-78.99667	10,668 m		
ALORA	UG437	19.43000	35,000 ft	15	-
FIX	AWY-HI	-78.98167	10,668 m		
GONIS	UG437	20.00000	35,000 ft	34	-
FIX	AWY-HI	-78.93639	10,668 m		
PIGBO	UL341	21.31361	34,000 ft	79	-
FIX	AWY-HI	-79.12944	10,363 m		
URSUS	UL780	24.00005	35,000 ft	161	-
FIX	AWY-HI	-79.06980	10,668 m		
ZFP	AR23	26.55536	35,000 ft	154	FREEPORT VOR-DME
VOR	AWY-HI	-78.69786	10,668 m		
CANIT	AR23	29.56251	35,000 ft	181	-
FIX	AWY-HI	-78.42585	10,668 m		
OZENA	AR23	30.41944	35,000 ft	51	-
FIX	AWY-HI	-78.34834	10,668 m		
EMCEE	-	30.79273	34,000 ft	23	-
FIX	-	-78.45917	10,363 m		
SEELO	AR16	32.02341	35,000 ft	74	-
FIX	AWY-HI	-78.25695	10,668 m		
ILM	AR16	34.35167	35,000 ft	141	WILMINGTON VORTAC
VOR	AWY-HI	-77.87439	10,668 m		
FAK	J109	37.52851	17,600 ft	190	FLAT ROCK VORTAC
DME	AWY-HI	-77.82822	5,364 m		
KIAD	-	38.94771	0 ft	86	Washington Dulles Intl
APT	-	-77.46086	0 m		

MPTO

Region: PANAMA
Timezone: AMERICA/PANAMA
Runways: 2

Elevation: 134 ft / 41 m
Location: 9.071400 -79.383500
Magnetic Var: 5.454 W

METAR

MPTO 122000Z 24006KT 9999 SCT018CB SCT090 32/27 Q1007 RETS NOSIG

TAF

TAF MPTO 121700Z 1218/1324 17007KT 9999 SCT018 PROB30 1222/1302 6000 TSRA SCT016CB BKN090 TEMPO 1302/1306 VRB02KT

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	216.13		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	34.78		134 m
03R	GS	INAT	110.70 MHz	10 nm	29.33	3.00	134 ft
				19 km	34.78		134 m

KIAD

Region: UNITED STATES
Timezone: AMERICA/NEW_YORK
Runways: 4

Elevation: 312 ft / 95 m
Location: 38.947700 -77.460900
Magnetic Var: 10.664 W

METAR

KIAD 121952Z 31009KT 10SM FEW040 SCT055 BKN075 BKN250 18/07 A2989 RMK A02 SLP122 T01830067 \$

TAF

KIAD 121729Z 1218/1324 31014G25KT P6SM SCT045 SCT060 FM122300 35007KT P6SM SCT070 FM130500 18003KT P6SM FEW090 FM

Frequencies

COM - 122.95 MHz - UNICOM	REC - 134.85 MHz - D-ATIS
CLD - 135.70 MHz - CLEARANCE DELIVERY	GND - 121.62 MHz - DULLES GROUND
GND - 121.90 MHz - DULLES GROUND	TWR - 120.10 MHz - DULLES TOWER
TWR - 120.25 MHz - DULLES TOWER	TWR - 134.42 MHz - DULLES TOWER
APP - 120.45 MHz - POTOMAC APPROACH	APP - 126.10 MHz - POTOMAC APPROACH
APP - 128.52 MHz - POTOMAC APPROACH	DEP - 126.65 MHz - POTOMAC DEPARTURE
DEP - 125.05 MHz - POTOMAC DEPARTURE	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
01L	151 ft	9,408 ft	0.64	CONCRETE	0 ft	404 ft
	46 m	2,868 m	11.30		0 m	123 m
19R	151 ft	9,408 ft	180.64	CONCRETE	0 ft	404 ft
	46 m	2,868 m	191.30		0 m	123 m
01C	151 ft	11,510 ft	0.65	CONCRETE	0 ft	407 ft
	46 m	3,508 m	11.31		0 m	124 m
19C	151 ft	11,510 ft	180.65	CONCRETE	0 ft	43 ft
	46 m	3,508 m	191.31		0 m	13 m
01R	151 ft	11,510 ft	0.66	CONCRETE	0 ft	43 ft
	46 m	3,508 m	11.33		0 m	13 m
19L	151 ft	11,510 ft	180.66	CONCRETE	0 ft	387 ft
	46 m	3,508 m	191.33		0 m	118 m
12	151 ft	10,513 ft	110.71	CONCRETE	0 ft	20 ft
	46 m	3,204 m	121.37		0 m	6 m
30	151 ft	10,513 ft	290.73	CONCRETE	0 ft	387 ft
	46 m	3,204 m	301.39		0 m	118 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01R	DME	IIAD	110.10 MHz	18 nm	-	-	314 ft
				33 km	-		314 m
19L	DME	ISGC	110.10 MHz	18 nm	-	-	314 ft
				33 km	-		314 m
19R	DME	IISU	110.75 MHz	18 nm	-	-	313 ft
				33 km	-		313 m
01C	LOC-ILS	IOSZ	111.30 MHz	18 nm	0.65	-	312 ft
				33 km	11.31		312 m
01R	LOC-ILS	IIAD	110.10 MHz	18 nm	0.67	-	312 ft
				33 km	11.33		312 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12	LOC-ILS	IAJU	109.30 MHz	18 nm	110.74	-	312 ft
				33 km	121.40		312 m
19C	LOC-ILS	IDLX	111.30 MHz	18 nm	180.65	-	312 ft
				33 km	191.31		312 m
19L	LOC-ILS	ISGC	110.10 MHz	18 nm	180.67	-	312 ft
				33 km	191.33		312 m
19R	LOC-ILS	IISU	110.75 MHz	18 nm	180.58	-	312 ft
				33 km	191.24		312 m
01L	LOC-ILS	IOIU	110.75 MHz	18 nm	0.58	-	312 ft
				33 km	11.24		312 m
01C	GS	IOSZ	111.30 MHz	10 nm	0.65	3.00	312 ft
				19 km	11.31		312 m
01R	GS	IIAD	110.10 MHz	10 nm	0.67	3.00	312 ft
				19 km	11.33		312 m
12	GS	IAJU	109.30 MHz	10 nm	110.74	3.00	312 ft
				19 km	121.40		312 m
19C	GS	IDLX	111.30 MHz	10 nm	180.65	3.00	312 ft
				19 km	191.31		312 m
19L	GS	ISGC	110.10 MHz	10 nm	180.67	3.00	312 ft
				19 km	191.33		312 m
19R	GS	IISU	110.75 MHz	10 nm	180.58	3.00	312 ft
				19 km	191.24		312 m
01L	GS	IOIU	110.75 MHz	10 nm	0.58	3.00	312 ft
				19 km	11.24		312 m