

CYOW

Ottawa Macdonald Cartier Intl

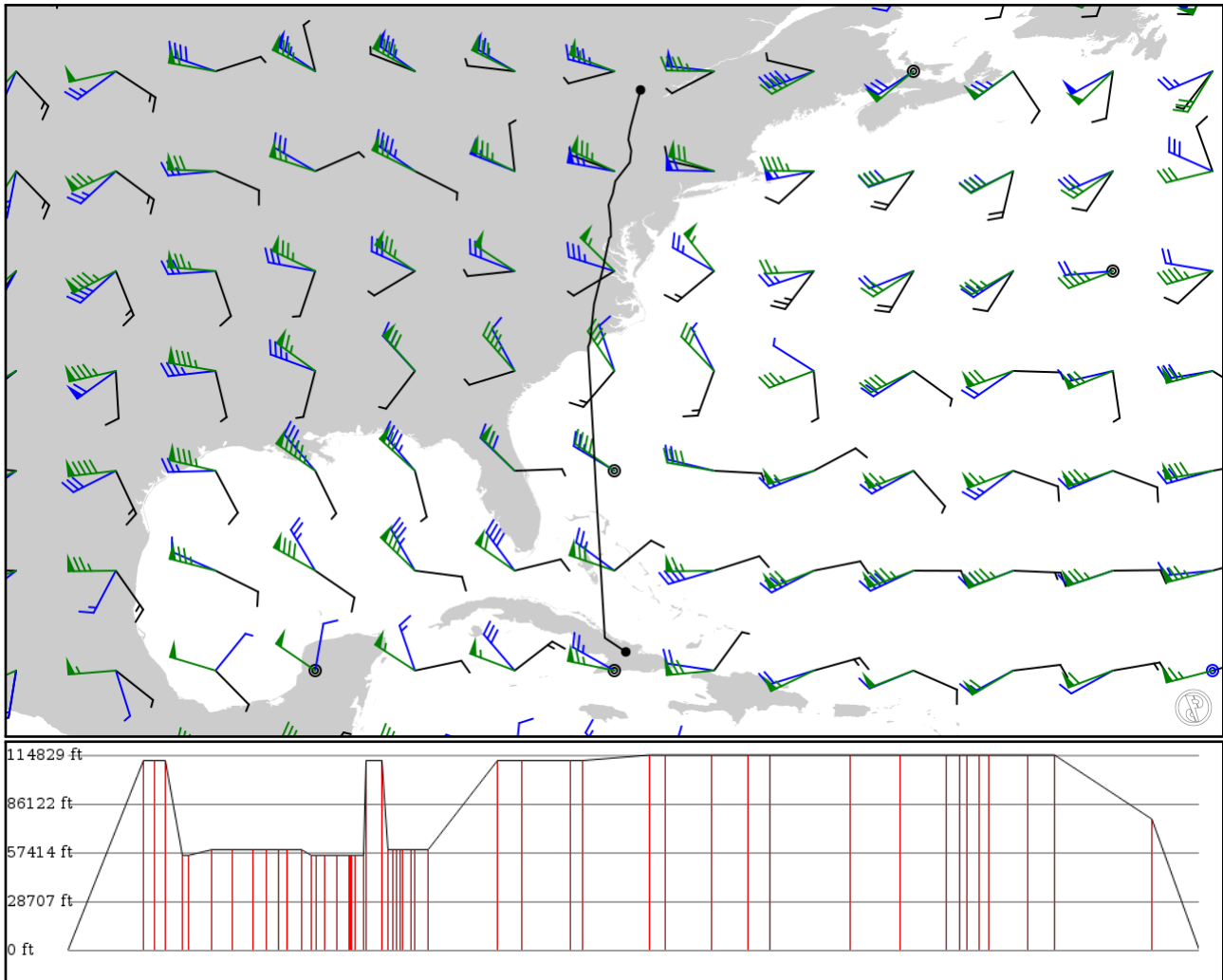
MUHG

FRANK PAIS INTL

2024/05/17 0105Z

CYOW BRUIN J559 SYR V29 CFB V423 FQM V31 HAR V265 KRANT DCA IRONS V376 RIC J40 ILM CLB AR3 BARTS
BR58V ZQA B503 ENAMO UB503 UNV MUHG

1518.44 nm / 2812.16 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
CYOW APT	-	45.32282 -75.67144	0 ft 0 m	-	Ottawa Macdonald Cartier Intl
BRUIN FIX	-	43.66640 -76.11555	34,000 ft 10,363 m	101	-
PAGER FIX	J559 AWY-HI	43.42379 -76.15843	34,000 ft 10,363 m	14	-
SYR VOR	J559 AWY-HI	43.16053 -76.20456	34,000 ft 10,363 m	15	SYRACUSE VORTAC
VESPE FIX	V29 AWY-LO	42.79767 -76.10881	17,000 ft 5,182 m	22	-
CORTA FIX	V29 AWY-LO	42.67379 -76.07637	17,000 ft 5,182 m	7	-
CFB VOR	V29 AWY-LO	42.15750 -76.13647	18,000 ft 5,486 m	31	BINGHAMTON VORTAC
TWIIN FIX	V423 AWY-LO	41.74940 -76.45699	18,000 ft 5,486 m	28	-
FQM VOR	V423 AWY-LO	41.33856 -76.77486	18,000 ft 5,486 m	28	WILLIAMSPORT VOR-DME
WATSO FIX	V31 AWY-LO	41.04620 -76.83336	18,000 ft 5,486 m	17	-
SEG VOR	V31 AWY-LO	40.79083 -76.88403	18,000 ft 5,486 m	15	SELINSGROVE VORTAC
MORTO FIX	V31 AWY-LO	40.59686 -76.95803	18,000 ft 5,486 m	12	-
HAR VOR	V31 AWY-LO	40.30225 -77.06956	18,000 ft 5,486 m	18	HARRISBURG VORTAC
KOLBY FIX	V265 AWY-LO	40.07351 -77.04354	17,000 ft 5,182 m	13	-
PIFER FIX	V265 AWY-LO	39.95723 -77.03039	17,000 ft 5,182 m	7	-
BINNS FIX	V265 AWY-LO	39.78506 -77.01099	17,000 ft 5,182 m	10	-
EMI VOR	V265 AWY-LO	39.49500 -76.97858	17,000 ft 5,182 m	17	WESTMINSTER VORTAC
DATED FIX	V265 AWY-LO	39.22859 -76.97256	17,000 ft 5,182 m	16	-
CLEAT FIX	V265 AWY-LO	39.19177 -76.97173	17,000 ft 5,182 m	2	-
CUTOP FIX	V265 AWY-LO	39.16810 -76.97124	17,000 ft 5,182 m	1	-
BELTS FIX	V265 AWY-LO	39.09721 -76.96963	17,000 ft 5,182 m	4	-
KRANT FIX	V265 AWY-LO	38.91856 -76.96564	17,000 ft 5,182 m	10	-
DCA VOR	-	38.85944 -77.03644	34,000 ft 10,363 m	4	WASHINGTON VOR-DME
IRONS FIX	-	38.53110 -77.10609	34,000 ft 10,363 m	19	-
SABBI FIX	V376 AWY-LO	38.38189 -77.13756	18,000 ft 5,486 m	9	-
OJAAY FIX	V376 AWY-LO	38.29263 -77.15629	18,000 ft 5,486 m	5	-
GRUBY	V376	38.20816	18,000 ft	5	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	-77.17398	5,486 m		
JIMBE	V376	38.12801	18,000 ft	4	-
FIX	AWY-LO	-77.19074	5,486 m		
PEGBY	V376	38.07864	18,000 ft	3	-
FIX	AWY-LO	-77.20106	5,486 m		
BEUGA	V376	37.87551	18,000 ft	12	-
FIX	AWY-LO	-77.24327	5,486 m		
EPICS	V376	37.78674	18,000 ft	5	-
FIX	AWY-LO	-77.26166	5,486 m		
RIC	V376	37.50236	18,000 ft	17	RICHMOND VORTAC
VOR	AWY-LO	-77.32028	5,486 m		
TYI	J40	35.97673	34,000 ft	93	TAR RIVER VORTAC
DME	AWY-HI	-77.70373	10,363 m		
TILTZ	J40	35.45453	34,000 ft	31	-
FIX	AWY-HI	-77.75931	10,363 m		
ILM	J40	34.35167	34,000 ft	66	WILMINGTON VORTAC
VOR	AWY-HI	-77.87439	10,363 m		
CLB	-	34.10628	34,000 ft	15	CAROLINA BEACH NDB
NDB	-	-77.96139	10,363 m		
PANAL	AR3	32.60910	35,000 ft	90	-
FIX	AWY-HI	-77.87580	10,668 m		
OLDEY	AR3	32.26228	35,000 ft	20	-
FIX	AWY-HI	-77.85384	10,668 m		
PERIE	AR3	31.22864	35,000 ft	62	-
FIX	AWY-HI	-77.79689	10,668 m		
CARPS	AR3	30.40800	35,000 ft	49	-
FIX	AWY-HI	-77.75017	10,668 m		
SCOBY	AR3	29.92994	35,000 ft	28	-
FIX	AWY-HI	-77.72495	10,668 m		
NUCAR	AR3	28.12603	35,000 ft	108	-
FIX	AWY-HI	-77.63300	10,668 m		
ABACO	AR3	27.00000	35,000 ft	67	-
FIX	AWY-HI	-77.56944	10,668 m		
BARTS	AR3	25.98371	35,000 ft	61	-
FIX	AWY-HI	-77.50569	10,668 m		
HANKX	BR58V	25.68632	35,000 ft	17	-
FIX	AWY-HI	-77.48720	10,668 m		
MELON	BR58V	25.51954	35,000 ft	10	-
FIX	AWY-HI	-77.47686	10,668 m		
KURAY	BR58V	25.25921	35,000 ft	15	-
FIX	AWY-HI	-77.46079	10,668 m		
ZQA	BR58V	25.02553	35,000 ft	14	NASSAU VOR-DME
VOR	AWY-HI	-77.44642	10,668 m		
HODGY	B503	24.16050	35,000 ft	52	-
FIX	AWY-HI	-77.39478	10,668 m		
ENAMO	B503	23.56219	35,000 ft	35	-
FIX	AWY-HI	-77.35961	10,668 m		
UNV	UB503	21.39500	23,500 ft	130	NUEVAS VOR
VOR	AWY-HI	-77.23083	7,163 m		
MUHG	-	20.78555	0 ft	63	FRANK PAIS INTL
APT	-	-76.31511	0 m		

CYOW

Region: CANADA
Timezone: AMERICA/TORONTO
Runways: 3

Elevation: 374 ft / 114 m
Location: 45.322700 -75.671800
Magnetic Var: 12.920 W

METAR

CYOW 170000Z 10004KT 15SM FEW050 SCT200 21/13 A2988 RMK CU1CI3 CU TR SLP121 DENSITY ALT 1200FT

TAF

TAF CYOW 162340Z 1700/1724 11008KT P6SM FEW050 FM170300 08007KT P6SM BKN060 FM170800 09007KT P6SM BKN060 TEMPO 1700

Frequencies

REC - 121.15 MHz - ATIS
GND - 121.90 MHz -
APP - 135.15 MHz - TRML

CLD - 119.40 MHz - CLNC DEL
TWR - 120.10 MHz -

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
14	200 ft	9,973 ft	126.40	ASPHALT	0 ft	171 ft
	61 m	3,040 m	139.32		0 m	52 m
32	200 ft	9,973 ft	306.42	ASPHALT	0 ft	151 ft
	61 m	3,040 m	319.34		0 m	46 m
07	200 ft	7,981 ft	57.38	ASPHALT	0 ft	161 ft
	61 m	2,433 m	70.30		0 m	49 m
25	200 ft	7,981 ft	237.40	ASPHALT	0 ft	161 ft
	61 m	2,433 m	250.32		0 m	49 m
04	75 ft	3,300 ft	25.31	ASPHALT	253 ft	0 ft
	23 m	1,006 m	38.23		77 m	0 m
22	75 ft	3,300 ft	205.31	ASPHALT	0 ft	0 ft
	23 m	1,006 m	218.23		0 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
07	LOC-ILS	IOW	109.50 MHz	18 nm	57.39	-	374 ft
				33 km	70.31		374 m
32	LOC-ILS	IRP	110.30 MHz	18 nm	306.41	-	374 ft
				33 km	319.33		374 m
07	GS	IOW	109.50 MHz	10 nm	57.39	3.00	374 ft
				19 km	70.31		374 m
32	GS	IRP	110.30 MHz	10 nm	306.41	3.00	374 ft
				19 km	319.33		374 m

MUHG

Region: CUBA
Timezone: AMERICA/HAVANA
Runways: 1

Elevation: 360 ft / 110 m
Location: 20.785500 -76.315100
Magnetic Var: 8.883 W

METAR

MUHG 162350Z 05008KT 020V080 9000 SCT033 29/23 Q1013

TAF

TAF MUHG 162300Z 1700/1724 04010KT 9000 SCT025 TEMPO 1700/1701 FEW020CB BECMG 1702/1703 VRB04KT FEW020 TEMPO 1708

Frequencies

TWR - 118.00 MHz - HOLGUIN TOWER

APP - 119.10 MHz - HOLGUIN APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05	151 ft	10,633 ft	46.14	CONCRETE	318 ft	292 ft
	46 m	3,241 m	55.03		97 m	89 m
23	151 ft	10,633 ft	226.15	CONCRETE	0 ft	36 ft
	46 m	3,241 m	235.03		0 m	11 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05	LOC-ILS	IHG	111.30 MHz	18 nm	46.13	-	361 ft
				33 km	55.02		361 m
05	GS	IHG	111.30 MHz	10 nm	46.24	3.00	361 ft
				19 km	55.12		361 m