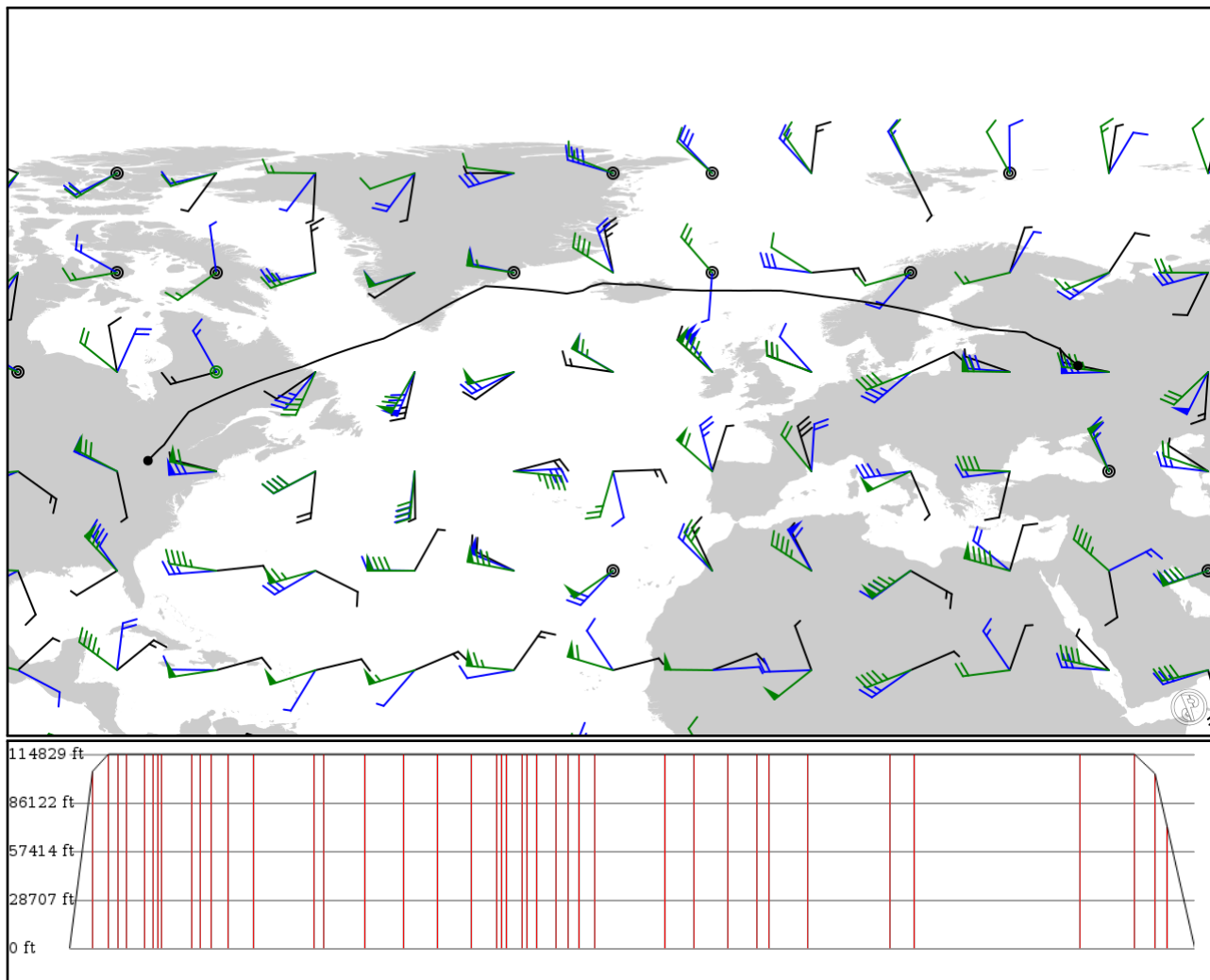


2024/06/03 2250Z

UUWW UUEM DB **B160** KOLPI **R30** GOGLA **T86** VTI **UP855** TOGMI **P855** SOLKA **UP855** ABADA 6500N0000E  
6500N0500W 6500N01000W NF **R2** PA 6500N02500W GIMLI **5E72** DA **W57** NA **W37** SI 5950N **5E22** HO **N312A** MT  
**T597** YXI **V216** HOSTE CYYZ

4194.06 nm / 7767.39 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
UUWW APT	-	55.59606 37.26766	0 ft 0 m	-	VNUKOVO
UUEM APT	-	56.82473 35.75768	31,900 ft 9,723 m	89	MIGALOVO
DB NDB	-	57.71306 34.97194	35,000 ft 10,668 m	59	POCHINOK NDB
NUKOL FIX	B160 AWY-LO	58.08333 34.13111	35,000 ft 10,668 m	34	-
OKULO FIX	B160 AWY-LO	58.40333 33.38944	35,000 ft 10,668 m	30	-
UD NDB	B160 AWY-LO	59.11667 31.65000	35,000 ft 10,668 m	69	CHUDOVO NDB
NURMA FIX	B160 AWY-LO	59.50139 31.04417	35,000 ft 10,668 m	29	-
KOLPI FIX	B160 AWY-LO	59.74972 30.64750	35,000 ft 10,668 m	19	-
SPB VOR	R30 AWY-LO	59.80694 30.27472	35,000 ft 10,668 m	11	SANKT-PETERBURG Pulkovo VOR-DM
GOGLA FIX	R30 AWY-LO	60.10000 26.45667	35,000 ft 10,668 m	116	-
PVO VOR	T86 AWY-LO	60.29438 25.58848	35,000 ft 10,668 m	28	PORVOO VOR-DME
VTI VOR	T86 AWY-LO	60.45925 24.24407	35,000 ft 10,668 m	41	VIHTI VOR-DME
ATRIV FIX	UP855 AWY-HI	60.95000 22.33000	35,000 ft 10,668 m	63	-
TOGMI FIX	UP855 AWY-HI	61.76194 19.54028	35,000 ft 10,668 m	93	-
SOLKA FIX	P855 AWY-LO	63.33083 12.05250	35,000 ft 10,668 m	227	-
TRM VOR	UP855 AWY-HI	63.52587 10.89007	35,000 ft 10,668 m	33	TRONDHEIM VOR-DME
ABADA FIX	UP855 AWY-HI	64.26556 5.29806	35,000 ft 10,668 m	154	-
6500N0000E LATLON	-	65.00000 0.00000	35,000 ft 10,668 m	143	-
6500N0500W LATLON	-	65.00000 -5.00000	35,000 ft 10,668 m	126	-
6500N01000W LATLON	-	65.00000 -10.00000	35,000 ft 10,668 m	126	-
NF NDB	-	65.13444 -13.73639	35,000 ft 10,668 m	94	NORDFJORDUR NDB
ES NDB	R2 AWY-LO	65.23847 -14.45203	35,000 ft 10,668 m	19	EGILSSTADIR NDB
FELLI FIX	R2 AWY-LO	65.35417 -15.17389	35,000 ft 10,668 m	19	-
TJORN FIX	R2 AWY-LO	65.65694 -17.24389	35,000 ft 10,668 m	54	-
AKI VOR	R2 AWY-LO	65.75981 -18.00411	35,000 ft 10,668 m	19	AKUREYRI VOR-DME
HE NDB	R2 AWY-LO	65.75086 -19.51906	35,000 ft 10,668 m	37	HEGRANES NDB
RE	R2	65.92650	35,000 ft	72	REYKJANESSKOLI NDB

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
NDB	AWY-LO	-22.43153	10,668 m		
PA	R2	65.55583	35,000 ft	43	PATREKSFJORDUR NDB
NDB	AWY-LO	-23.95306	10,668 m		
6500N02500W	-	65.00000	35,000 ft	42	-
LATLON	-	-25.00000	10,668 m		
GIMLI	-	64.64000	35,000 ft	54	-
FIX	-	-26.97833	10,668 m		
DA	5E72	65.57056	35,000 ft	264	KULUSUK NDB
NDB	AWY-HI	-37.20694	10,668 m		
KAYAK	W57	64.22500	35,000 ft	107	-
FIX	AWY-LO	-39.99556	10,668 m		
PORSU	W57	62.63667	35,000 ft	124	-
FIX	AWY-LO	-42.99583	10,668 m		
NA	W57	61.17074	35,000 ft	111	NARSARSUAQ NDB
NDB	AWY-LO	-45.41295	10,668 m		
SI	W37	60.68167	35,000 ft	45	SIMIUTAQ NDB
NDB	AWY-LO	-46.59611	10,668 m		
5950N	-	59.00000	35,000 ft	144	-
FIX	-	-50.00000	10,668 m		
PORGY	5E22	56.31667	35,000 ft	305	-
FIX	AWY-HI	-58.08333	10,668 m		
HO	5E22	55.45750	35,000 ft	88	HOPEDALE NDB
NDB	AWY-HI	-60.20917	10,668 m		
MT	N312A	49.79961	35,000 ft	620	CHIBOUGAMAU/CHAPA NDB
NDB	AWY-HI	-74.49544	10,668 m		
JUNIS	T597	46.78833	35,000 ft	202	-
FIX	AWY-HI	-76.80167	10,668 m		
YXI	T597	45.66300	31,500 ft	75	KILLALOE VOR-DME
VOR	AWY-HI	-77.60239	9,601 m		
HOSTE	V216	45.07921	22,000 ft	44	-
FIX	AWY-LO	-78.25808	6,706 m		
CYYZ	-	43.67613	0 ft	102	Toronto Lester B Pearson Intl
APT	-	-79.62767	0 m		

## UUWW

Region: RUSSIA  
Timezone: EUROPE/MOSCOW  
Runways: 2

Elevation: 685 ft / 209 m  
Location: 55.595700 37.265900  
Magnetic Var: 11.772 E

## METAR

UUWW 032230Z 22003MPS CAVOK 14/13 Q1007 R24/000070 NOSIG

## TAF

TAF UUWW 031954Z 0321/0421 23003G08MPS 9999 SCT040 TX23/0412Z TN14/0401Z TEMPO 0406/0418 29009G16MPS -TSRA BKN020

## Frequencies

APP - 123.40 MHz - VNUKOVO RADAR	APP - 126.00 MHz - VNUKOVO RADAR
APP - 135.90 MHz - VNUKOVO RADAR	TWR - 118.30 MHz - VNUKOVO TOWER
TWR - 119.45 MHz - VNUKOVO TOWER	TWR - 122.30 MHz - VNUKOVO TOWER
GND - 120.45 MHz - VNUKOVO GROUND	GND - 121.70 MHz - VNUKOVO GROUND
CLD - 131.80 MHz - VNUKOVO CLEARANCE DELIVERY	CLD - 129.70 MHz - VNUKOVO CLEARANCE DELIVERY
REC - 125.87 MHz - ATIS ARRIVAL	REC - 127.80 MHz - ATIS DEPARTURE
APP - 118.95 MHz - MOSCOW APPROACH	APP - 118.55 MHz - MOSCOW APPROACH
APP - 130.37 MHz - MOSCOW APPROACH	APP - 124.20 MHz - MOSCOW APPROACH
APP - 127.20 MHz - MOSCOW APPROACH	APP - 128.00 MHz - MOSCOW APPROACH
APP - 134.00 MHz - MOSCOW APPROACH	APP - 131.20 MHz - MOSCOW APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06	197 ft	11,468 ft	68.30	CONCRETE	0 ft	0 ft
	60 m	3,496 m	56.53		0 m	0 m
24	197 ft	11,468 ft	248.34	CONCRETE	0 ft	0 ft
	60 m	3,496 m	236.57		0 m	0 m
01	148 ft	10,038 ft	23.36	ASPHALT	0 ft	0 ft
	45 m	3,060 m	11.59		0 m	0 m
19	148 ft	10,038 ft	203.38	ASPHALT	0 ft	0 ft
	45 m	3,060 m	191.61		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01	LOC-ILS	IWM	111.70 MHz	18 nm	23.38	-	685 ft
				33 km	11.61		685 m
06	LOC-ILS	IGT	108.90 MHz	18 nm	68.32	-	685 ft
				33 km	56.55		685 m
19	LOC-ILS	ITA	111.50 MHz	18 nm	203.38	-	685 ft
				33 km	191.61		685 m
24	LOC-ILS	IOB	111.10 MHz	18 nm	248.32	-	685 ft
				33 km	236.55		685 m
01	GS	IWM	111.70 MHz	10 nm	23.38	3.00	685 ft
				19 km	11.61		685 m
06	GS	IGT	108.90 MHz	10 nm	68.32	3.00	685 ft
				19 km	56.55		685 m
19	GS	ITA	111.50 MHz	10 nm	203.38	3.00	685 ft
				19 km	191.61		685 m
24	GS	IOB	111.10 MHz	10 nm	248.32	3.00	685 ft
				19 km	236.55		685 m

## CYYZ

Region: CANADA  
Timezone: AMERICA/TORONTO  
Runways: 5

Elevation: 564 ft / 172 m  
Location: 43.676100 -79.627700  
Magnetic Var: 10.260 W

## METAR

CYYZ 032200Z 16007KT 110V180 15SM FEW035 SCT250 21/17 A2992 RMK CU1CI2 SLP134 DENSITY ALT 1500FT

## TAF

TAF CYYZ 032040Z 0321/0424 15007KT P6SM SCT030 FM040300 VRB03KT 6SM BR SCT004 PROB30 0403/0408 1SM BR BKN004 FM0408

## Frequencies

TWR - 118.35 MHz - TORONTO TOWER	TWR - 118.70 MHz - TORONTO TOWER
GND - 119.10 MHz - TORONTO GROUND	GND - 121.65 MHz - TORONTO GROUND
GND - 121.90 MHz - TORONTO GROUND	REC - 120.82 MHz - ATIS
REC - 133.10 MHz - ATIS	CLD - 121.30 MHz - CLEARANCE DELIVERY
APP - 132.80 MHz - TORONTO APPROACH	APP - 124.47 MHz - TORONTO APPROACH
APP - 125.40 MHz - TORONTO APPROACH	APP - 123.27 MHz - LONDON RADIO
DEP - 127.57 MHz - TORONTO DEPARTURE	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