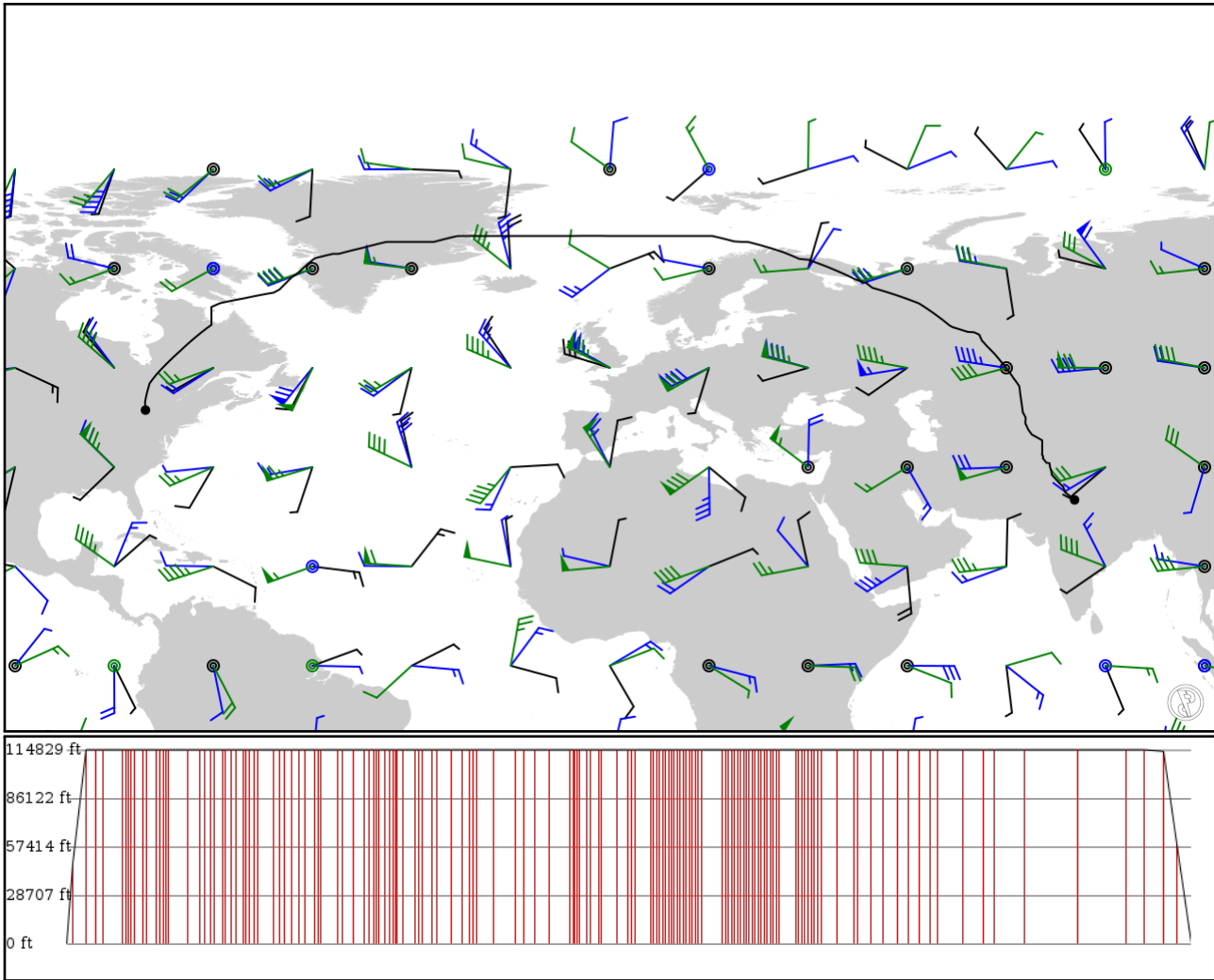


2024/05/18 0126Z

VIDP IGINO **W31E** ASARI **A466** SAMAR **L509** INDEK **J121** RN **J122** TIPOM **J129** TIPUR **J130** DURKA ATROL **P500**
FIRUZ **G500** POMIR **G91** MIRVI **A237** USIMO DILRO **A237** DODUR **A119** ARSUL **G230** GENDI **R482** LBN **R486** ALUMA
NEBNA RAREK UMTEK **G710** LUNAG KUDUK LAGUL **B212** SONIB **A303** KUMEN BEKOT SOTIS LURAM **W146** RAMUG **G475**
ULMER NISEN **A74** VANOS **P65** BARUX 7200N02200E 7200N02100E UVSAS 7300N01600E 7300N01500E 7300N01400E
7300N01300E 7300N01200E 7300N01100E 7300N01000E 7300N0900E 7300N0800E 7300N0700E 7300N0600E
7300N0500E 7300N0400E 7300N0300E 7300N0200E 7300N0100E 7300N0000E 7300N0-100W 7300N0-800W
7300N0-900W 7300N0-1000W 7300N0-1100W 7300N0-1200W 7300N0-1300W 7300N0-1400W 7300N0-1500W
7300N0-1600W 7300N0-1700W 7300N0-1800W 7300N0-1900W 7300N0-2000W 7300N0-2100W 7300N0-2200W
7300N0-2300W 7300N0-2400W 7300N0-2500W 7300N0-2600W 7300N0-2700W 7200N0-3100W 7200N0-3200W
7200N0-3300W 7200N0-3400W 7200N0-3500W 7200N0-3600W 7200N0-3700W 7200N0-3800W 7200N0-3900W
7100N0-4300W 7000N0-4700W 7000N0-4800W JV **UT589** HB 6600N0-5500W 6500N0-5600W 6400N0-5700W EMBOK
N886A FEDDY AMASS **J561** VP **AR13** YFM **J479** NM **BR18** YUY **V365** YYB **V332** LOYED CYYZ

6582.99 nm / 12191.70 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 Type	Via	Lat Lon	Alt	Dist (nm)	Name
VIDP	-	28.55850	0 ft	-	Indira Gandhi Intl
APT	-	77.09790	0 m	-	
IGINO	-	29.01830	14,400 ft	40	-
FIX	-	76.53530	4,389 m	-	-
ELKUX	W31E	29.84170	35,000 ft	72	-
FIX	AWY-HI	75.51140	10,668 m	-	-
ASARI	W31E	30.80420	35,000 ft	60	-
FIX	AWY-HI	75.15860	10,668 m	-	-
SAMAR	A466	31.34670	35,000 ft	44	-
FIX	AWY-HI	74.56580	10,668 m	-	-
INDEK	L509	32.76670	35,000 ft	107	-
FIX	AWY-HI	73.26610	10,668 m	-	-
POMUR	J121	33.19250	35,000 ft	25	-
FIX	AWY-HI	73.19530	10,668 m	-	-
ISDUR	J121	33.40750	35,000 ft	13	-
FIX	AWY-HI	73.15920	10,668 m	-	-
RN	J121	33.60590	35,000 ft	12	ISLAMABAD
VOR	AWY-HI	73.12590	10,668 m	-	
TIPOM	J122	34.00330	35,000 ft	25	-
FIX	AWY-HI	72.97110	10,668 m	-	-
TIPUR	J129	34.73140	35,000 ft	43	-
FIX	AWY-HI	72.87440	10,668 m	-	-
SS	J130	34.80890	35,000 ft	26	SAIDU SHARIF
NDB	AWY-HI	72.35200	10,668 m	-	
DURKA	J130	35.56640	35,000 ft	54	-
FIX	AWY-HI	71.74940	10,668 m	-	-
ATROL	-	35.88610	35,000 ft	19	-
FIX	-	71.80000	10,668 m	-	-
GERRY	P500	36.19970	35,000 ft	21	-
FIX	AWY-HI	71.58280	10,668 m	-	-
PADDY	P500	36.46640	35,000 ft	16	-
FIX	AWY-HI	71.63280	10,668 m	-	-
FIRUZ	P500	36.66670	35,000 ft	12	-
FIX	AWY-HI	71.63330	10,668 m	-	-
POMIR	G500	38.58330	35,000 ft	115	-
FIX	AWY-HI	71.63330	10,668 m	-	-
IVNAR	G91	39.25000	35,000 ft	67	-
FIX	AWY-HI	70.46670	10,668 m	-	-
MIRVI	G91	39.54830	35,000 ft	31	-
FIX	AWY-HI	69.90330	10,668 m	-	-
USIMO	A237	40.08330	35,000 ft	36	-
FIX	AWY-HI	69.51500	10,668 m	-	-
DILRO	-	40.40830	35,000 ft	22	-
FIX	-	69.27670	10,668 m	-	-
LANOL	A237	41.19250	35,000 ft	49	-
FIX	AWY-HI	68.91830	10,668 m	-	-
DODUR	A237	41.38330	35,000 ft	12	-
FIX	AWY-HI	68.80000	10,668 m	-	-
ODORI	A119	41.98360	35,000 ft	36	-
FIX	AWY-HI	68.81890	10,668 m	-	-
ARSUL	A119	42.43330	35,000 ft	27	-
FIX	AWY-HI	68.83330	10,668 m	-	-
VAKAV	G230	43.07920	35,000 ft	41	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	68.48690	10,668 m		
GENDI	G230	43.30000	35,000 ft	14	-
FIX	AWY-HI	68.36670	10,668 m		
GOBOR	R482	43.63640	35,000 ft	20	-
FIX	AWY-HI	68.32170	10,668 m		
TIMKA	R482	44.14220	35,000 ft	30	-
FIX	AWY-HI	68.25310	10,668 m		
REMOL	R482	44.45110	35,000 ft	18	-
FIX	AWY-HI	68.21060	10,668 m		
BETPU	R482	45.96610	35,000 ft	91	-
FIX	AWY-HI	67.99580	10,668 m		
ELSEB	R482	46.54280	35,000 ft	34	-
FIX	AWY-HI	67.91080	10,668 m		
BURIK	R482	47.00330	35,000 ft	27	-
FIX	AWY-HI	67.86440	10,668 m		
DZG	R482	47.72140	35,000 ft	43	ZHEZKAZGAN
VOR	AWY-HI	67.76150	10,668 m		
ADOKA	R482	48.37330	35,000 ft	43	-
FIX	AWY-HI	67.31170	10,668 m		
UMDEM	R482	48.93640	35,000 ft	37	-
FIX	AWY-HI	66.88940	10,668 m		
SUKUR	R482	49.74190	35,000 ft	53	-
FIX	AWY-HI	66.33250	10,668 m		
BULOG	R482	50.14830	35,000 ft	27	-
FIX	AWY-HI	66.01000	10,668 m		
KUSOT	R482	50.35780	35,000 ft	13	-
FIX	AWY-HI	65.85280	10,668 m		
KUSUM	R482	51.73890	35,000 ft	92	-
FIX	AWY-HI	64.77750	10,668 m		
ARDIK	R482	52.24970	35,000 ft	34	-
FIX	AWY-HI	64.36780	10,668 m		
KST	R482	53.18690	35,000 ft	63	KOSTANAY
VOR	AWY-HI	63.56260	10,668 m		
LANOR	R482	54.09330	35,000 ft	62	-
FIX	AWY-HI	62.67830	10,668 m		
GUPRI	R482	54.45030	35,000 ft	24	-
FIX	AWY-HI	62.31530	10,668 m		
TEDMA	R482	54.93190	35,000 ft	32	-
FIX	AWY-HI	61.88530	10,668 m		
DEBRI	R482	55.13360	35,000 ft	13	-
FIX	AWY-HI	61.71530	10,668 m		
LBN	R482	55.30700	35,000 ft	12	CHELYABINSK
VOR	AWY-HI	61.51760	10,668 m		
TAKRA	R486	55.90690	35,000 ft	37	-
FIX	AWY-HI	61.22360	10,668 m		
ALUMA	R486	56.37940	35,000 ft	29	-
FIX	AWY-HI	61.02110	10,668 m		
NEBNA	-	56.60140	35,000 ft	20	-
FIX	-	60.54560	10,668 m		
RAREK	-	56.72610	35,000 ft	11	-
FIX	-	60.27810	10,668 m		
UMTEK	-	56.78830	35,000 ft	5	-
FIX	-	60.14280	10,668 m		
LUNAG	G710	56.85030	35,000 ft	35	-
FIX	AWY-HI	59.06500	10,668 m		
KUDUK	-	57.46190	35,000 ft	72	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	57.14330	10,668 m		
LAGUL	-	57.65190	35,000 ft	23	-
FIX	-	56.50830	10,668 m		
PER	B212	57.92070	35,000 ft	22	PERM
VOR	AWY-HI	56.02840	10,668 m		
NATSI	B212	58.66030	35,000 ft	53	-
FIX	AWY-HI	55.10670	10,668 m		
LEBMI	B212	59.01690	35,000 ft	25	-
FIX	AWY-HI	54.64810	10,668 m		
ULMAT	B212	60.20970	35,000 ft	87	-
FIX	AWY-HI	53.01750	10,668 m		
LUGES	B212	61.07330	35,000 ft	63	-
FIX	AWY-HI	51.74670	10,668 m		
SONIB	B212	61.64690	35,000 ft	43	-
FIX	AWY-HI	50.84530	10,668 m		
KUNAT	A303	61.88690	35,000 ft	22	-
FIX	AWY-HI	50.22780	10,668 m		
SORIG	A303	62.09830	35,000 ft	20	-
FIX	AWY-HI	49.66330	10,668 m		
ABLAR	A303	63.08360	35,000 ft	96	-
FIX	AWY-HI	46.89280	10,668 m		
KUMEN	A303	64.28330	35,000 ft	126	-
FIX	AWY-HI	42.96420	10,668 m		
BEKOT	-	65.07250	35,000 ft	54	-
FIX	-	41.94780	10,668 m		
SOTIS	-	65.68330	35,000 ft	58	-
FIX	-	40.13060	10,668 m		
LURAM	-	66.76830	35,000 ft	85	-
FIX	-	37.84190	10,668 m		
ABLIK	W146	68.22060	35,000 ft	119	-
FIX	AWY-HI	34.29920	10,668 m		
ABDOL	W146	68.53140	35,000 ft	26	-
FIX	AWY-HI	33.45690	10,668 m		
LOPRA	W146	68.63330	35,000 ft	8	-
FIX	AWY-HI	33.19670	10,668 m		
RAMUG	W146	68.78170	35,000 ft	13	-
FIX	AWY-HI	32.74330	10,668 m		
ULMER	G475	68.96670	35,000 ft	12	-
FIX	AWY-HI	32.51670	10,668 m		
NISEN	-	69.14170	35,000 ft	41	-
FIX	-	30.65330	10,668 m		
VANOS	A74	69.42190	35,000 ft	21	-
FIX	AWY-HI	30.02780	10,668 m		
IPTIP	P65	70.03710	35,000 ft	47	-
FIX	AWY-HI	28.56420	10,668 m		
SDA	P65	70.23430	35,000 ft	15	SEIDA
VOR	AWY-HI	28.07020	10,668 m		
BARUX	P65	71.29720	35,000 ft	93	-
FIX	AWY-HI	24.63900	10,668 m		
7200N02200E	-	72.00000	35,000 ft	65	-
LATLON	-	22.00000	10,668 m		
7200N02100E	-	72.00000	35,000 ft	18	-
LATLON	-	21.00000	10,668 m		
UVSAS	-	72.08330	35,000 ft	24	-
FIX	-	19.70000	10,668 m		
7300N01600E	-	73.00000	35,000 ft	86	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	16.00000	10,668 m		
7300N01500E	-	73.00000	35,000 ft	17	-
LATLON	-	15.00000	10,668 m		
7300N01400E	-	73.00000	35,000 ft	17	-
LATLON	-	14.00000	10,668 m		
7300N01300E	-	73.00000	35,000 ft	17	-
LATLON	-	13.00000	10,668 m		
7300N01200E	-	73.00000	35,000 ft	17	-
LATLON	-	12.00000	10,668 m		
7300N01100E	-	73.00000	35,000 ft	17	-
LATLON	-	11.00000	10,668 m		
7300N01000E	-	73.00000	35,000 ft	17	-
LATLON	-	10.00000	10,668 m		
7300N0900E	-	73.00000	35,000 ft	17	-
LATLON	-	9.00000	10,668 m		
7300N0800E	-	73.00000	35,000 ft	17	-
LATLON	-	8.00000	10,668 m		
7300N0700E	-	73.00000	35,000 ft	17	-
LATLON	-	7.00000	10,668 m		
7300N0600E	-	73.00000	35,000 ft	17	-
LATLON	-	6.00000	10,668 m		
7300N0500E	-	73.00000	35,000 ft	17	-
LATLON	-	5.00000	10,668 m		
7300N0400E	-	73.00000	35,000 ft	17	-
LATLON	-	4.00000	10,668 m		
7300N0300E	-	73.00000	35,000 ft	17	-
LATLON	-	3.00000	10,668 m		
7300N0200E	-	73.00000	35,000 ft	17	-
LATLON	-	2.00000	10,668 m		
7300N0100E	-	73.00000	35,000 ft	17	-
LATLON	-	1.00000	10,668 m		
7300N0000E	-	73.00000	35,000 ft	17	-
LATLON	-	0.00000	10,668 m		
7300N0-100W	-	73.00000	35,000 ft	17	-
LATLON	-	-1.00000	10,668 m		
7300N0-800W	-	73.00000	35,000 ft	122	-
LATLON	-	-8.00000	10,668 m		
7300N0-900W	-	73.00000	35,000 ft	17	-
LATLON	-	-9.00000	10,668 m		
7300N0-1000W	-	73.00000	35,000 ft	17	-
LATLON	-	-10.00000	10,668 m		
7300N0-1100W	-	73.00000	35,000 ft	17	-
LATLON	-	-11.00000	10,668 m		
7300N0-1200W	-	73.00000	35,000 ft	17	-
LATLON	-	-12.00000	10,668 m		
7300N0-1300W	-	73.00000	35,000 ft	17	-
LATLON	-	-13.00000	10,668 m		
7300N0-1400W	-	73.00000	35,000 ft	17	-
LATLON	-	-14.00000	10,668 m		
7300N0-1500W	-	73.00000	35,000 ft	17	-
LATLON	-	-15.00000	10,668 m		
7300N0-1600W	-	73.00000	35,000 ft	17	-
LATLON	-	-16.00000	10,668 m		
7300N0-1700W	-	73.00000	35,000 ft	17	-
LATLON	-	-17.00000	10,668 m		
7300N0-1800W	-	73.00000	35,000 ft	17	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-18.00000	10,668 m		
7300N0-1900W	-	73.00000	35,000 ft	17	-
LATLON	-	-19.00000	10,668 m		
7300N0-2000W	-	73.00000	35,000 ft	17	-
LATLON	-	-20.00000	10,668 m		
7300N0-2100W	-	73.00000	35,000 ft	17	-
LATLON	-	-21.00000	10,668 m		
7300N0-2200W	-	73.00000	35,000 ft	17	-
LATLON	-	-22.00000	10,668 m		
7300N0-2300W	-	73.00000	35,000 ft	17	-
LATLON	-	-23.00000	10,668 m		
7300N0-2400W	-	73.00000	35,000 ft	17	-
LATLON	-	-24.00000	10,668 m		
7300N0-2500W	-	73.00000	35,000 ft	17	-
LATLON	-	-25.00000	10,668 m		
7300N0-2600W	-	73.00000	35,000 ft	17	-
LATLON	-	-26.00000	10,668 m		
7300N0-2700W	-	73.00000	35,000 ft	17	-
LATLON	-	-27.00000	10,668 m		
7200N0-3100W	-	72.00000	35,000 ft	93	-
LATLON	-	-31.00000	10,668 m		
7200N0-3200W	-	72.00000	35,000 ft	18	-
LATLON	-	-32.00000	10,668 m		
7200N0-3300W	-	72.00000	35,000 ft	18	-
LATLON	-	-33.00000	10,668 m		
7200N0-3400W	-	72.00000	35,000 ft	18	-
LATLON	-	-34.00000	10,668 m		
7200N0-3500W	-	72.00000	35,000 ft	18	-
LATLON	-	-35.00000	10,668 m		
7200N0-3600W	-	72.00000	35,000 ft	18	-
LATLON	-	-36.00000	10,668 m		
7200N0-3700W	-	72.00000	35,000 ft	18	-
LATLON	-	-37.00000	10,668 m		
7200N0-3800W	-	72.00000	35,000 ft	18	-
LATLON	-	-38.00000	10,668 m		
7200N0-3900W	-	72.00000	35,000 ft	18	-
LATLON	-	-39.00000	10,668 m		
7100N0-4300W	-	71.00000	35,000 ft	97	-
LATLON	-	-43.00000	10,668 m		
7000N0-4700W	-	70.00000	35,000 ft	100	-
LATLON	-	-47.00000	10,668 m		
7000N0-4800W	-	70.00000	35,000 ft	20	-
LATLON	-	-48.00000	10,668 m		
JV	-	69.24140	35,000 ft	78	ILULISSAT
NDB	-	-51.07240	10,668 m		
NYGAR	UT589	68.23220	35,000 ft	66	-
FIX	AWY-HI	-52.31140	10,668 m		
HB	UT589	66.93580	35,000 ft	84	HOLSTEINSBORG
NDB	AWY-HI	-53.69920	10,668 m		
6600N0-5500W	-	66.00000	35,000 ft	64	-
LATLON	-	-55.00000	10,668 m		
6500N0-5600W	-	65.00000	35,000 ft	65	-
LATLON	-	-56.00000	10,668 m		
6400N0-5700W	-	64.00000	35,000 ft	65	-
LATLON	-	-57.00000	10,668 m		
EMBOK	-	63.46670	35,000 ft	41	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	-	-58.00000	10,668 m		
IKMAN	N886A	62.50000	35,000 ft	148	-
FIX	AWY-HI	-63.00000	10,668 m		
FEDDY	N886A	61.70000	35,000 ft	122	-
FIX	AWY-HI	-67.00000	10,668 m		
AMASS	-	61.03820	35,000 ft	59	-
FIX	-	-68.51600	10,668 m		
VP	J561	58.05610	35,000 ft	179	KUJACK (KUUJJUAQ)
NDB	AWY-HI	-68.48640	10,668 m		
YFM	AR13	53.71130	35,000 ft	314	LA GRANDE-4
NDB	AWY-LO	-73.70300	10,668 m		
NM	J479	49.72390	35,000 ft	282	MATAGAMI
NDB	AWY-HI	-77.74160	10,668 m		
YUY	BR18	48.17290	35,000 ft	104	ROUYN
NDB	AWY-LO	-78.93860	10,668 m		
YYB	V365	46.36390	34,700 ft	110	NORTH BAY
VOR	AWY-LO	-79.43640	10,577 m		
LOYED	V332	45.08030	18,000 ft	77	-
FIX	AWY-LO	-79.69500	5,486 m		
CYYZ	-	43.67610	0 ft	84	Toronto Pearson Intl
APT	-	-79.62770	0 m		

VIDP

Region: INDIA
Timezone: ASIA/KOLKATA
Runways: 3

Elevation: 778 ft / 237 m
Location: 28.558500 77.097900
Magnetic Var: 1.602 E

METAR

VIDP 180100Z 00000KT 2500 HZ FEW100 31/13 Q1004 NOSIG

TAF

VIDP 172300Z 1800/1906 23006KT 2500 HZ FEW080 BECMG 1804/1806 29008KT 4000 HZ FEW035 SCT100 BECMG 1808/1810 29008KT

Frequencies

REC - 126.40 MHz - DELHI ATIS
TWR - 118.10 MHz - DELHI TOWER
APP - 124.20 MHz - DELHI APPROACH
GND - 121.90 MHz - DELHI GROUND
APP - 126.35 MHz - DELHI APPROACH

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
11	197 ft	14,509 ft	103.69	ASPHALT	2,106 ft	0 ft
	60 m	4,422 m	102.09		642 m	0 m
29	197 ft	14,509 ft	283.72	ASPHALT	4,780 ft	0 ft
	60 m	4,422 m	282.11		1,457 m	0 m
10	150 ft	12,511 ft	104.69	ASPHALT	0 ft	883 ft
	46 m	3,813 m	103.09		0 m	269 m
28	150 ft	12,511 ft	284.71	ASPHALT	0 ft	476 ft
	46 m	3,813 m	283.10		0 m	145 m
09	150 ft	9,219 ft	91.44	ASPHALT	0 ft	197 ft
	46 m	2,810 m	89.84		0 m	60 m
27	150 ft	9,219 ft	271.46	ASPHALT	499 ft	0 ft
	46 m	2,810 m	269.85		152 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
10	DME	DEL	109.50 MHz	18 nm	-	-	777 ft
				33 km	-		777 m
27	DME	IDLH	110.50 MHz	18 nm	-	-	777 ft
				33 km	-		777 m
28	DME	IPLM	110.30 MHz	18 nm	-	-	777 ft
				33 km	-		777 m
09	LOC-ILS	IDIA	108.50 MHz	18 nm	91.45	-	778 ft
				33 km	89.85		778 m
10	LOC-ILS	IDEL	109.50 MHz	18 nm	104.70	-	778 ft
				33 km	103.10		778 m
27	LOC-ILS	IDLH	110.50 MHz	18 nm	271.45	-	778 ft
				33 km	269.85		778 m
28	LOC-ILS	IPLM	110.30 MHz	18 nm	284.70	-	778 ft
				33 km	283.10		778 m
11	LOC-ILS	IDMR	111.30 MHz	18 nm	103.71	-	778 ft
				33 km	102.11		778 m
29	LOC-ILS	IDGM	110.90 MHz	18 nm	283.71	-	778 ft
				33 km	282.11		778 m
09	GS	IDIA	108.50 MHz	10 nm	91.45	3.00	778 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				19 km	89.85		778 m
10	GS	IDEL	109.50 MHz	10 nm	104.70	3.00	778 ft
				19 km	103.10		778 m
27	GS	IDLH	110.50 MHz	10 nm	271.45	3.00	778 ft
				19 km	269.85		778 m
28	GS	IPLM	110.30 MHz	10 nm	284.70	3.00	778 ft
				19 km	283.10		778 m
11	GS	IDMR	111.30 MHz	10 nm	103.71	3.00	778 ft
				19 km	102.11		778 m
29	GS	IDGM	110.90 MHz	10 nm	283.71	3.00	778 ft
				19 km	282.11		778 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 180100Z 13005KT 3SM -RA BR SCT003 BKN012 OVC045 15/15 A2987 RMK SC4SC2SC2 SLP118 DENSITY ALT 800FT

TAF

TAF AMD CYYZ 180105Z 1801/1906 13005KT 6SM BR SCT003 OVC025 TEMPO 1801/1806 2SM -DZ BR BKN003 OVC012 BECMG 1804/18

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