

# KATL

Hartsfield-Jackson Atlanta Intl

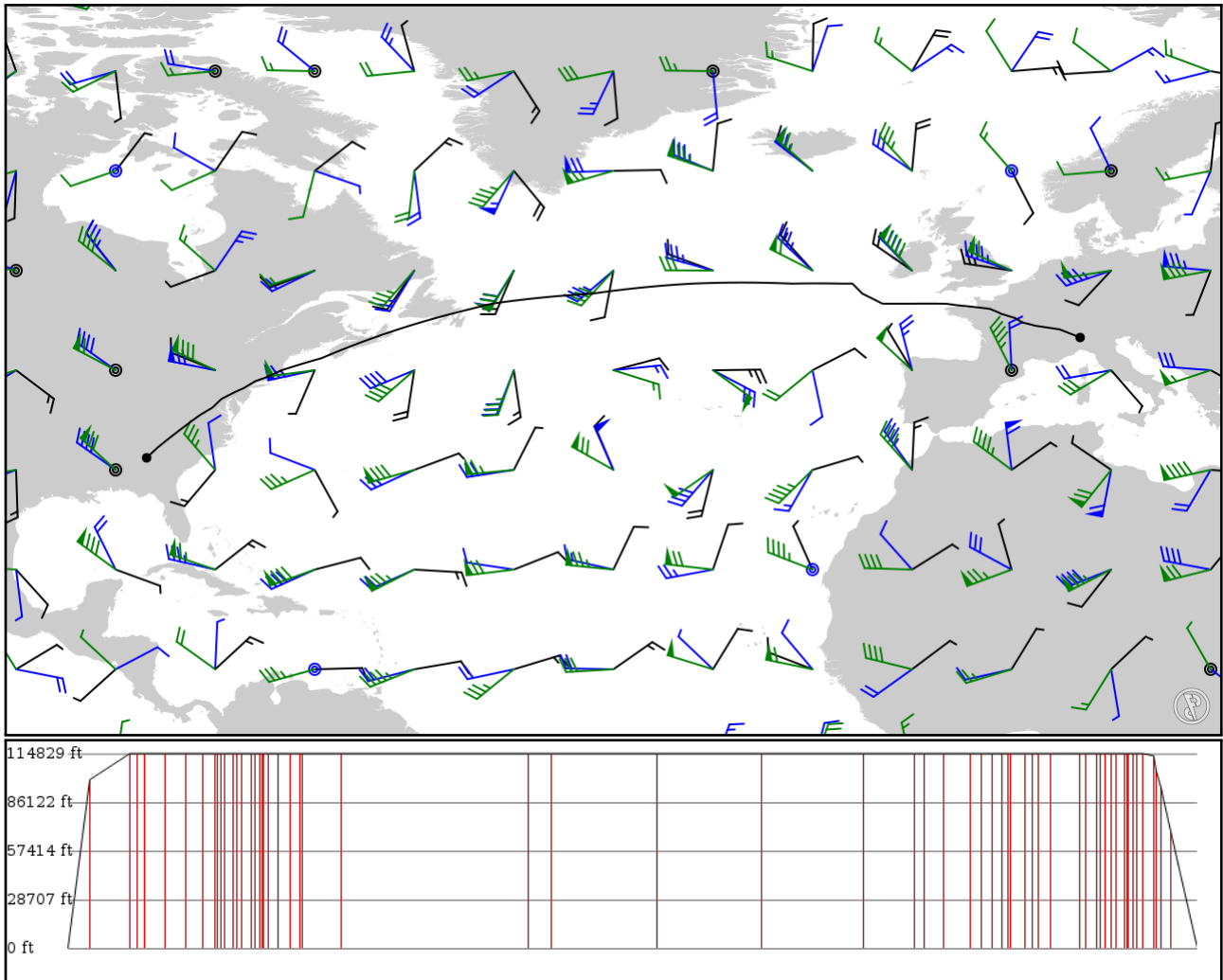
# LIMC

Milano-Malpensa

2024/05/22 0400Z

KATL ODF **J48** PTW **V403** SBJ **J75** CMK **V3** HFD **J42** BOS **J575** TUSKY **N261A** JOOPY **Y** 51/30 **Z** ELSOX  
5000N01300W 4900N01100W 4900N01000W 4900N0900W TAKAS **N491** MOSIS **UN491** NERLA **UZ57** GONEK KOVAK **H20**  
DOMOD **A3** LAMUT OKIRA **UM175** PIXIS **UM975** MOLUS LIMC

4184.17 nm / 7749.08 km



## Notes

Using NAT tracks from 4/6/2021

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
KATL APT	-	33.63660 -84.42800	0 ft 0 m	-	Hartsfield-Jackson Atlanta Intl
ODF VOR	-	34.69590 -83.29770	30,300 ft 9,235 m	84	FOOTHILLS (TOCCOA)
SPA92 FIX	J48 AWY-HI	36.41240 -81.11990	35,000 ft 10,668 m	148	-
REAVS FIX	J48 AWY-HI	36.70310 -80.73670	35,000 ft 10,668 m	25	-
FLASK FIX	J48 AWY-HI	37.01780 -80.31630	35,000 ft 10,668 m	27	-
MOL VOR	J48 AWY-HI	37.90050 -79.10690	35,000 ft 10,668 m	78	MONTEBELLO
CSN VOR	J48 AWY-HI	38.64120 -77.86550	35,000 ft 10,668 m	73	CASANOVA
EMI VOR	J48 AWY-HI	39.49500 -76.97860	35,000 ft 10,668 m	65	WESTMINSTER
PENSY FIX	J48 AWY-HI	39.90720 -76.18250	35,000 ft 10,668 m	44	-
HAAGN FIX	J48 AWY-HI	39.96150 -76.07620	35,000 ft 10,668 m	5	-
BYRDD FIX	J48 AWY-HI	40.09220 -75.81870	35,000 ft 10,668 m	14	-
PTW VOR	J48 AWY-HI	40.22220 -75.56020	35,000 ft 10,668 m	14	POTTSTOWN
DIRPE FIX	V403 AWY-LO	40.47300 -74.99360	35,000 ft 10,668 m	29	-
SBJ VOR	V403 AWY-LO	40.58300 -74.74180	35,000 ft 10,668 m	13	SOLBERG
JERSY FIX	J75 AWY-HI	40.79140 -74.39940	35,000 ft 10,668 m	19	-
DUEYS FIX	J75 AWY-HI	41.15260 -73.79680	35,000 ft 10,668 m	34	-
CMK VOR	J75 AWY-HI	41.28010 -73.58130	35,000 ft 10,668 m	12	CARMEL
RACEY FIX	V3 AWY-LO	41.41690 -73.19390	35,000 ft 10,668 m	19	-
SORRY FIX	V3 AWY-LO	41.47860 -73.01740	35,000 ft 10,668 m	8	-
YALER FIX	V3 AWY-LO	41.51570 -72.91090	35,000 ft 10,668 m	5	-
HFD VOR	V3 AWY-LO	41.64110 -72.54740	35,000 ft 10,668 m	17	HARTFORD
PUT VOR	J42 AWY-HI	41.95550 -71.84410	35,000 ft 10,668 m	36	PUTNAM
BOS VOR	J42 AWY-HI	42.35740 -70.98950	35,000 ft 10,668 m	45	BOSTON
SCUPP FIX	J575 AWY-HI	42.60310 -70.23040	35,000 ft 10,668 m	36	-
CANAL FIX	J575 AWY-HI	42.66900 -70.02270	35,000 ft 10,668 m	9	-
TUSKY FIX	J575 AWY-HI	43.56500 -67.00000	35,000 ft 10,668 m	143	-
JOOPY	N261A	48.50000	35,000 ft	690	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-52.00000	10,668 m		
49/50	Y	49.00000	35,000 ft	84	-
LATLON	NAT	-50.00000	10,668 m		
50/40	Y	50.00000	35,000 ft	394	-
LATLON	NAT	-40.00000	10,668 m		
51/30	Y	51.00000	35,000 ft	386	-
LATLON	NAT	-30.00000	10,668 m		
51/20	Z	51.00000	35,000 ft	377	-
LATLON	NAT	-20.00000	10,668 m		
DINIM	Z	51.00000	35,000 ft	188	-
FIX	NAT	-15.00000	10,668 m		
ELSOX	Z	51.00000	35,000 ft	37	-
FIX	NAT	-14.00000	10,668 m		
5000N01300W	-	50.00000	35,000 ft	71	-
LATLON	-	-13.00000	10,668 m		
4900N01100W	-	49.00000	35,000 ft	98	-
LATLON	-	-11.00000	10,668 m		
4900N01000W	-	49.00000	35,000 ft	39	-
LATLON	-	-10.00000	10,668 m		
4900N0900W	-	49.00000	35,000 ft	39	-
LATLON	-	-9.00000	10,668 m		
TAKAS	-	49.00000	35,000 ft	39	-
FIX	-	-8.00000	10,668 m		
ALUTA	N491	49.00530	35,000 ft	19	-
FIX	AWY-HI	-7.49806	10,668 m		
MOSIS	N491	49.00720	35,000 ft	11	-
FIX	AWY-HI	-7.21472	10,668 m		
DEKOR	UN491	49.00720	35,000 ft	50	-
FIX	AWY-HI	-5.93306	10,668 m		
ERPOM	UN491	49.00180	35,000 ft	27	-
FIX	AWY-HI	-5.24092	10,668 m		
NERLA	UN491	48.99310	35,000 ft	24	-
FIX	AWY-HI	-4.63194	10,668 m		
SOMEN	UZ57	48.85000	35,000 ft	43	-
FIX	AWY-HI	-3.55000	10,668 m		
BULOX	UZ57	48.55000	35,000 ft	111	-
FIX	AWY-HI	-0.76667	10,668 m		
LATGO	UZ57	48.48030	35,000 ft	20	-
FIX	AWY-HI	-0.25000	10,668 m		
GONEK	UZ57	48.12000	35,000 ft	40	-
FIX	AWY-HI	0.60333	10,668 m		
KOVAK	-	47.99310	35,000 ft	12	-
FIX	-	0.84667	10,668 m		
DOMOD	H20	47.86280	35,000 ft	19	-
FIX	AWY-LO	1.28583	10,668 m		
GILUX	A3	47.72420	35,000 ft	20	-
FIX	AWY-LO	1.74306	10,668 m		
MOTAL	A3	47.57670	35,000 ft	21	-
FIX	AWY-LO	2.22000	10,668 m		
SANCE	A3	47.26670	35,000 ft	28	-
FIX	AWY-LO	2.74167	10,668 m		
KOTIS	A3	47.23000	35,000 ft	3	-
FIX	AWY-LO	2.80250	10,668 m		
NEV	A3	47.15300	35,000 ft	6	NEVERS
VOR	AWY-LO	2.92936	10,668 m		
LAMUT	A3	47.11830	35,000 ft	3	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-LO	2.98472	10,668 m		
OKIRA	-	47.02190	35,000 ft	19	-
FIX	-	3.44056	10,668 m		
PIXIS	UM175	46.94030	35,000 ft	13	-
FIX	AWY-HI	3.75389	10,668 m		
PIBAT	UM975	46.80580	35,000 ft	22	-
FIX	AWY-HI	4.25917	10,668 m		
LUSAR	UM975	46.66890	34,600 ft	38	-
FIX	AWY-HI	5.17944	10,546 m		
SAUNI	UM975	46.62360	31,900 ft	12	-
FIX	AWY-HI	5.47778	9,723 m		
LIRKO	UM975	46.57090	28,900 ft	14	-
FIX	AWY-HI	5.81431	8,809 m		
MOLUS	UM975	46.44390	21,000 ft	36	-
FIX	AWY-HI	6.67944	6,401 m		
LIMC	-	45.63060	0 ft	98	Milano-Malpensa
APT	-	8.72812	0 m		

## KATL

Region: UNITED STATES  
Timezone: AMERICA/NEW\_YORK  
Runways: 5

Elevation: 1,026 ft / 313 m  
Location: 33.636600 -84.428000  
Magnetic Var: 5.633 W

## METAR

KATL 220252Z 16004KT 10SM BKN250 24/16 A3001 RMK AO2 SLP152 T02440156 53010

## TAF

TAF AMD KATL 220141Z 2202/2306 16003KT P6SM SCT250 FM221400 19003KT P6SM SCT040 FM230100 19003KT P6SM SCT250

## Frequencies

REC - 119.65 MHz - D-ATIS	REC - 125.55 MHz - D-ATIS
COM - 122.95 MHz - UNICOM	CLD - 118.10 MHz - CLEARANCE DELIVERY
GND - 121.65 MHz - ATLANTA GROUND	GND - 121.75 MHz - ATLANTA GROUND
GND - 121.90 MHz - ATLANTA GROUND	TWR - 119.10 MHz - ATLANTA TOWER
TWR - 119.30 MHz - ATLANTA TOWER	TWR - 119.50 MHz - ATLANTA TOWER
TWR - 123.85 MHz - ATLANTA TOWER	TWR - 125.32 MHz - ATLANTA TOWER
APP - 127.90 MHz - ATLANTA APPROACH	APP - 128.00 MHz - ATLANTA APPROACH
DEP - 125.65 MHz - ATLANTA DEPARTURE	DEP - 125.70 MHz - ATLANTA DEPARTURE
DEP - 135.37 MHz - ATLANTA DEPARTURE	

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09L	151 ft	12,400 ft	89.99	CONCRETE	0 ft	0 ft
	46 m	3,780 m	95.62		0 m	0 m
27R	151 ft	12,400 ft	270.01	CONCRETE	518 ft	0 ft
	46 m	3,780 m	275.65		158 m	0 m
09R	151 ft	9,008 ft	89.98	CONCRETE	0 ft	0 ft
	46 m	2,746 m	95.61		0 m	0 m
27L	151 ft	9,008 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	2,746 m	275.63		0 m	0 m
08L	151 ft	9,008 ft	89.98	CONCRETE	0 ft	0 ft
	46 m	2,746 m	95.61		0 m	0 m
26R	151 ft	9,008 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	2,746 m	275.63		0 m	0 m
10	151 ft	9,008 ft	89.97	CONCRETE	0 ft	0 ft
	46 m	2,746 m	95.60		0 m	0 m
28	151 ft	9,008 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	2,746 m	275.62		0 m	0 m
08R	151 ft	10,009 ft	89.98	CONCRETE	0 ft	0 ft
	46 m	3,051 m	95.61		0 m	0 m
26L	151 ft	10,009 ft	269.99	CONCRETE	0 ft	0 ft
	46 m	3,051 m	275.63		0 m	0 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IHFV	109.30 MHz	18 nm	-	-	993 ft
				33 km	-		993 m
08R	DME	IATL	109.90 MHz	18 nm	-	-	1,026 ft
				33 km	-		1,026 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
09L	DME	IHZK	110.50 MHz	18 nm	-	-	978 ft
				33 km	-		978 m
09R	DME	IFUN	108.90 MHz	18 nm	-	-	987 ft
				33 km	-		987 m
10	DME	IOMO	111.55 MHz	18 nm	-	-	970 ft
				33 km	-		970 m
26L	DME	IBRU	108.70 MHz	18 nm	-	-	1,026 ft
				33 km	-		1,026 m
26R	DME	IGXZ	110.10 MHz	18 nm	-	-	1,000 ft
				33 km	-		1,000 m
27L	DME	IFSQ	108.50 MHz	18 nm	-	-	1,020 ft
				33 km	-		1,020 m
27R	DME	IAFA	111.30 MHz	18 nm	-	-	978 ft
				33 km	-		978 m
28	DME	IPKU	111.75 MHz	18 nm	-	-	970 ft
				33 km	-		970 m
08L	LOC-ILS	IHFV	109.30 MHz	18 nm	89.98	-	1,026 ft
				33 km	95.61		1,026 m
08R	LOC-ILS	IATL	109.90 MHz	18 nm	89.99	-	1,026 ft
				33 km	95.62		1,026 m
09L	LOC-ILS	IHZK	110.50 MHz	18 nm	90.01	-	968 ft
				33 km	95.64		968 m
09R	LOC-ILS	IFUN	108.90 MHz	18 nm	89.98	-	1,026 ft
				33 km	95.61		1,026 m
10	LOC-ILS	IOMO	111.55 MHz	18 nm	89.98	-	970 ft
				33 km	95.61		970 m
26L	LOC-ILS	IBRU	108.70 MHz	18 nm	269.98	-	1,026 ft
				33 km	275.61		1,026 m
26R	LOC-ILS	IGXZ	110.10 MHz	18 nm	269.98	-	1,026 ft
				33 km	275.61		1,026 m
27L	LOC-ILS	IFSQ	108.50 MHz	18 nm	269.98	-	1,026 ft
				33 km	275.61		1,026 m
27R	LOC-ILS	IAFA	111.30 MHz	18 nm	270.00	-	1,026 ft
				33 km	275.63		1,026 m
28	LOC-ILS	IPKU	111.75 MHz	18 nm	269.97	-	970 ft
				33 km	275.60		970 m
08L	GS	IHFV	109.30 MHz	10 nm	90.96	3.00	1,008 ft
				19 km	96.59		1,008 m
08R	GS	IATL	109.90 MHz	10 nm	90.96	3.00	1,012 ft
				19 km	96.59		1,012 m
09L	GS	IHZK	110.50 MHz	10 nm	90.02	3.00	1,017 ft
				19 km	95.65		1,017 m
09R	GS	IFUN	108.90 MHz	10 nm	90.96	3.00	1,021 ft
				19 km	96.59		1,021 m
10	GS	IOMO	111.55 MHz	10 nm	90.94	3.00	985 ft
				19 km	96.57		985 m
26L	GS	IBRU	108.70 MHz	10 nm	270.96	3.00	992 ft
				19 km	276.59		992 m
26R	GS	IGXZ	110.10 MHz	10 nm	270.96	3.00	984 ft
				19 km	276.59		984 m
27L	GS	IFSQ	108.50 MHz	10 nm	270.96	3.00	990 ft
				19 km	276.59		990 m
27R	GS	IAFA	111.30 MHz	10 nm	270.02	3.00	981 ft
				19 km	275.65		981 m
28	GS	IPKU	111.75 MHz	10 nm	270.94	3.00	990 ft
				19 km	276.57		990 m

## LIMC

Region: ITALY  
Timezone: EUROPE/ROME  
Runways: 2

Elevation: 767 ft / 234 m  
Location: 45.630600 8.728120  
Magnetic Var: 3.126 E

## METAR

LIMC 220320Z 35005KT CAVOK 13/12 Q1009 NOSIG

## TAF

TAF LIMC 212300Z 2200/2306 VRB05KT 9999 SCT030 TEMPO 2200/2206 SHRA TEMPO 2214/2220 TSRA TEMPO 2302/2306 4000 TSRA

## Frequencies

REC - 120.02 MHz - ATIS ARRIVAL	REC - 121.62 MHz - ATIS DEPARTURE
CLD - 120.90 MHz - CLEARANCE DELIVERY	GND - 121.82 MHz - MALPENSA GROUND
GND - 121.90 MHz - MALPENSA GROUND	TWR - 119.00 MHz - MALPENSA TOWER
TWR - 128.35 MHz - MALPENSA TOWER	APP - 126.75 MHz - MILANO APPROACH
APP - 125.62 MHz - MILANO APPROACH	APP - 132.70 MHz - MILANO APPROACH
DEP - 126.30 MHz - MILANO DEPARTURE	DEP - 126.75 MHz - MILANO DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
17R	197 ft	12,873 ft	169.06	ASPHALT	0 ft	387 ft
	60 m	3,924 m	165.94		0 m	118 m
35L	197 ft	12,873 ft	349.07	ASPHALT	1,319 ft	197 ft
	60 m	3,924 m	345.94		402 m	60 m
17L	197 ft	12,873 ft	169.06	ASPHALT	3,081 ft	207 ft
	60 m	3,924 m	165.94		939 m	63 m
35R	197 ft	12,873 ft	349.07	ASPHALT	0 ft	180 ft
	60 m	3,924 m	345.95		0 m	55 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
17L	DME	IMSL	110.75 MHz	25 nm	-	-	792 ft
				46 km	-		792 m
35L	DME	IMA	109.10 MHz	25 nm	-	-	768 ft
				46 km	-		768 m
35R	DME	MLP	109.90 MHz	18 nm	-	-	713 ft
				33 km	-		713 m
17L	LOC-ILS	IMSL	110.75 MHz	18 nm	169.06	-	697 ft
				33 km	165.93		697 m
35L	LOC-ILS	IMA	109.10 MHz	18 nm	349.07	-	767 ft
				33 km	345.94		767 m
35R	LOC-ILS	MLP	109.90 MHz	18 nm	349.07	-	780 ft
				33 km	345.94		780 m
17L	GS	IMSL	110.75 MHz	10 nm	170.24	3.00	792 ft
				19 km	167.12		792 m
35L	GS	IMA	109.10 MHz	10 nm	350.24	3.00	768 ft
				19 km	347.11		768 m
35R	GS	MLP	109.90 MHz	10 nm	350.24	3.00	740 ft
				19 km	347.12		740 m