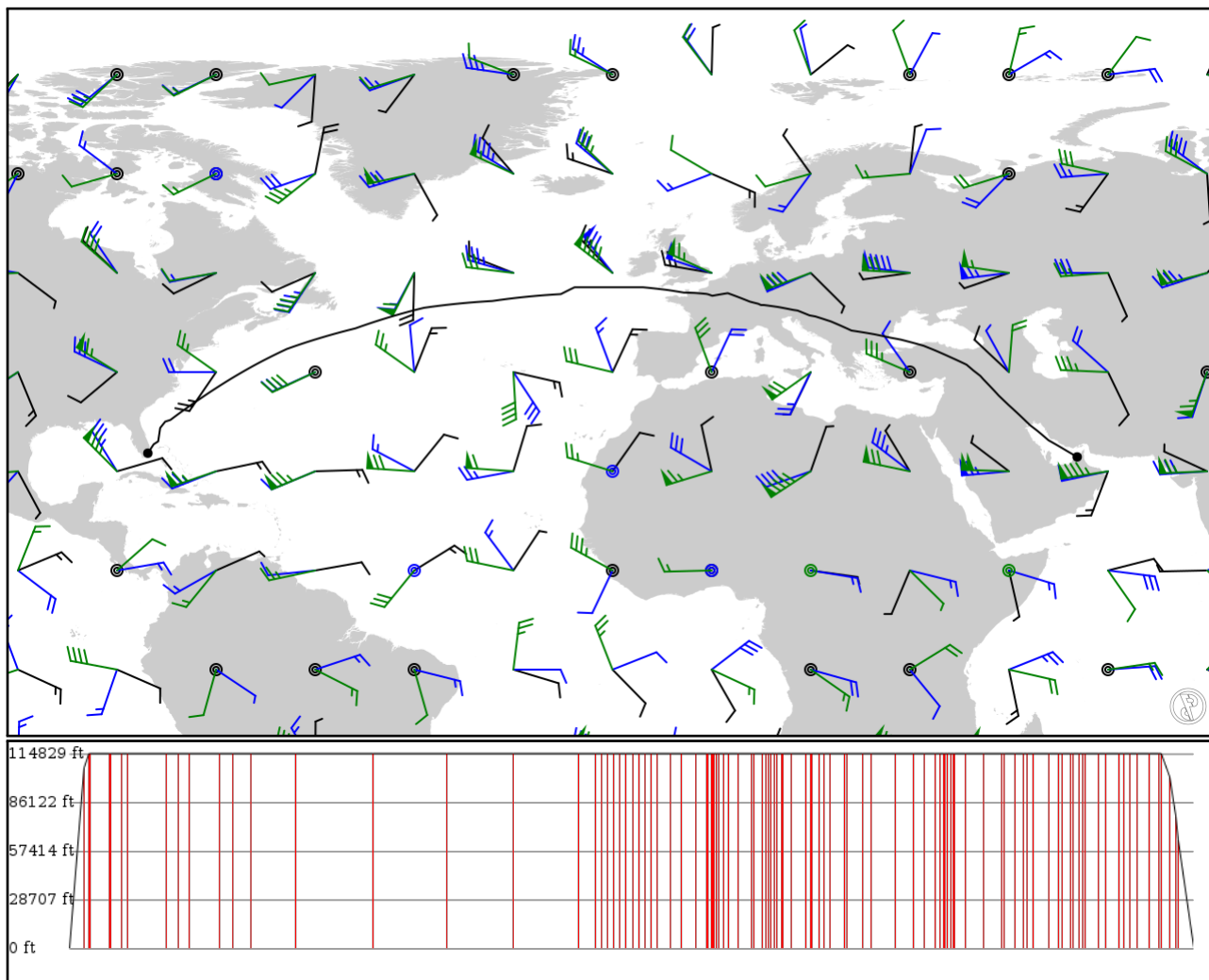


2024/06/03 2114Z

KMIA AMNDA **A699** RAMJT **AR18** ETECK **M202** MUNEX **Z** 49/20 5000N0-1800W 5000N0-1700W 5000N0-1600W
5000N0-1500W 5000N0-1400W 5000N0-1300W 5000N0-1200W 5000N0-1100W 5000N0-1000W 5000N0-900W GAPLI
UL739 LIZAD **UN160** CAN **N160** EVX BAMES TSU **UN858** RANUX **UL15** BEGAR **UN491** LENGI TRA **UN491** DEGES **UN871**
MADEB ELMEM **UL607** LIZUM **UL74** VILAK **Q102** KFT **UL603** ZAG **UP735** VBA **UM19** TUVAR **M19** ETIDA **Q27** ARTAT
UP975 NOLDO **P975** SIDAD **R784** IMDAT **B416** ORSAR OMDB

6924.73 nm / 12824.60 km



Notes

Using NAT tracks from 13/9/2018

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
KMIA	-	25.79620	0 ft	-	Miami International Airport
APT	-	-80.28970	0 m		
AMNDA	-	27.10000	32,400 ft	90	-
FIX	-	-79.43640	9,876 m		
PERMT	A699	27.41420	35,000 ft	32	-
FIX	AWY-HI	-78.94730	10,668 m		
RAMJT	A699	27.52040	35,000 ft	10	-
FIX	AWY-HI	-78.78000	10,668 m		
ETECK	AR18	29.48570	35,000 ft	119	-
FIX	AWY-HI	-78.48730	10,668 m		
CANIT	M202	29.56250	35,000 ft	5	-
FIX	AWY-HI	-78.42580	10,668 m		
CARPX	M202	30.40800	35,000 ft	61	-
FIX	AWY-HI	-77.75000	10,668 m		
UKOKA	M202	30.64830	35,000 ft	41	-
FIX	AWY-HI	-77.00000	10,668 m		
OMALA	M202	33.24220	35,000 ft	240	-
FIX	AWY-HI	-73.39690	10,668 m		
ONGOT	M202	33.98180	35,000 ft	70	-
FIX	AWY-HI	-72.30170	10,668 m		
GOUGH	M202	34.66970	35,000 ft	65	-
FIX	AWY-HI	-71.28070	10,668 m		
KINER	M202	36.57420	35,000 ft	185	-
FIX	AWY-HI	-68.28740	10,668 m		
OVAPI	M202	37.45460	35,000 ft	88	-
FIX	AWY-HI	-66.80950	10,668 m		
MUNEY	M202	38.50000	35,000 ft	107	-
FIX	AWY-HI	-64.96440	10,668 m		
41/60	Z	41.00000	35,000 ft	273	-
LATLON	NAT	-60.00000	10,668 m		
44/50	Z	44.00000	35,000 ft	477	-
LATLON	NAT	-50.00000	10,668 m		
47/40	Z	47.00000	35,000 ft	457	-
LATLON	NAT	-40.00000	10,668 m		
48/30	Z	48.00000	35,000 ft	409	-
LATLON	NAT	-30.00000	10,668 m		
49/20	Z	49.00000	35,000 ft	402	-
LATLON	NAT	-20.00000	10,668 m		
5000N0-1800W	-	50.00000	35,000 ft	98	-
LATLON	-	-18.00000	10,668 m		
5000N0-1700W	-	50.00000	35,000 ft	38	-
LATLON	-	-17.00000	10,668 m		
5000N0-1600W	-	50.00000	35,000 ft	38	-
LATLON	-	-16.00000	10,668 m		
5000N0-1500W	-	50.00000	35,000 ft	38	-
LATLON	-	-15.00000	10,668 m		
5000N0-1400W	-	50.00000	35,000 ft	38	-
LATLON	-	-14.00000	10,668 m		
5000N0-1300W	-	50.00000	35,000 ft	38	-
LATLON	-	-13.00000	10,668 m		
5000N0-1200W	-	50.00000	35,000 ft	38	-
LATLON	-	-12.00000	10,668 m		
5000N0-1100W	-	50.00000	35,000 ft	38	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-11.00000	10,668 m		
5000N0-1000W	-	50.00000	35,000 ft	38	-
LATLON	-	-10.00000	10,668 m		
5000N0-900W	-	50.00000	35,000 ft	38	-
LATLON	-	-9.00000	10,668 m		
GAPLI	-	50.00000	35,000 ft	38	-
FIX	-	-8.00000	10,668 m		
MABUG	UL739	49.78470	35,000 ft	80	-
FIX	AWY-HI	-5.93667	10,668 m		
LIZAD	UL739	49.59030	35,000 ft	63	-
FIX	AWY-HI	-4.33028	10,668 m		
JSY	UN160	49.22110	35,000 ft	91	JERSEY
VOR	AWY-HI	-2.04615	10,668 m		
CAN	UN160	49.17320	35,000 ft	62	CAEN
VOR	AWY-HI	-0.45528	10,668 m		
FIR75	N160	49.15500	35,000 ft	8	-
FIX	AWY-LO	-0.25000	10,668 m		
LISEU	N160	49.10330	35,000 ft	25	-
FIX	AWY-LO	0.40194	10,668 m		
BERNO	N160	49.08330	35,000 ft	9	-
FIX	AWY-LO	0.63333	10,668 m		
EVROK	N160	49.07860	35,000 ft	2	-
FIX	AWY-LO	0.69167	10,668 m		
EVX	N160	49.02850	35,000 ft	20	EVREUX FAUVILLE VORTAC
DME	AWY-LO	1.21403	10,668 m		
BAMES	-	48.97530	35,000 ft	11	-
FIX	-	1.48611	10,668 m		
TSU	-	48.75370	35,000 ft	27	TOUSSUS
VOR	-	2.10236	10,668 m		
UTELA	UN858	48.90580	35,000 ft	35	-
FIX	AWY-HI	2.96056	10,668 m		
RANUX	UN858	49.13890	35,000 ft	56	-
FIX	AWY-HI	4.36167	10,668 m		
NEBAX	UL15	48.45690	35,000 ft	83	-
FIX	AWY-HI	6.19444	10,668 m		
OBARI	UL15	48.36580	35,000 ft	10	-
FIX	AWY-HI	6.43056	10,668 m		
BEGAR	UL15	47.90830	35,000 ft	53	-
FIX	AWY-HI	7.58333	10,668 m		
LENGI	UN491	47.77920	35,000 ft	21	-
FIX	AWY-HI	8.07694	10,668 m		
TRA	-	47.68950	35,000 ft	15	TRASADINGEN
VOR	-	8.43695	10,668 m		
ZUE	UN491	47.59220	35,000 ft	16	ZURICH
VOR	AWY-HI	8.81767	10,668 m		
DEGES	UN491	47.41250	35,000 ft	18	-
FIX	AWY-HI	9.20194	10,668 m		
GAMSA	UN871	47.40850	35,000 ft	18	-
FIX	AWY-HI	9.65191	10,668 m		
MADEB	UN871	47.32440	35,000 ft	26	-
FIX	AWY-HI	10.28890	10,668 m		
ELMEM	-	47.28560	35,000 ft	11	-
FIX	-	10.57070	10,668 m		
LIZUM	UL607	47.11510	35,000 ft	49	-
FIX	AWY-HI	11.75600	10,668 m		
VILAK	UL74	46.69640	35,000 ft	92	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	13.91460	10,668 m		
KFT	Q102	46.59760	35,000 ft	27	KLagenfurt
VOR	AWY-LO	14.56230	10,668 m		
KLAgY	UL603	46.51430	35,000 ft	10	-
FIX	AWY-HI	14.77520	10,668 m		
PODET	UL603	46.17140	35,000 ft	40	-
FIX	AWY-HI	15.62670	10,668 m		
ZAG	UL603	45.89560	35,000 ft	32	ZAGREB
VOR	AWY-HI	16.30670	10,668 m		
VBA	UP735	45.74780	35,000 ft	36	BARNA
VOR	AWY-HI	17.14670	10,668 m		
TUVAR	UM19	45.12670	35,000 ft	89	-
FIX	AWY-HI	19.07750	10,668 m		
SMI	M19	45.00950	35,000 ft	16	MITROVICA
VOR	AWY-LO	19.43080	10,668 m		
OKLOP	M19	44.18320	35,000 ft	95	-
FIX	AWY-LO	21.33160	10,668 m		
ETIDA	M19	43.68580	35,000 ft	55	-
FIX	AWY-LO	22.41780	10,668 m		
GRN	Q27	43.15390	35,000 ft	147	GORNA
VOR	AWY-HI	25.71080	10,668 m		
XILTI	Q27	42.64310	35,000 ft	111	-
FIX	AWY-HI	28.13720	10,668 m		
ARTAT	Q27	42.36390	35,000 ft	67	-
FIX	AWY-HI	29.62420	10,668 m		
ERMUP	UP975	42.00060	35,000 ft	65	-
FIX	AWY-HI	31.02280	10,668 m		
ROKVA	UP975	41.82920	35,000 ft	30	-
FIX	AWY-HI	31.65720	10,668 m		
UNVUS	UP975	41.69500	35,000 ft	23	-
FIX	AWY-HI	32.14140	10,668 m		
ASMOB	UP975	41.66940	35,000 ft	4	-
FIX	AWY-HI	32.23280	10,668 m		
RELTU	UP975	41.64420	35,000 ft	4	-
FIX	AWY-HI	32.32330	10,668 m		
APTOX	UP975	41.59310	35,000 ft	8	-
FIX	AWY-HI	32.50420	10,668 m		
TEPKI	UP975	41.45330	35,000 ft	23	-
FIX	AWY-HI	32.99280	10,668 m		
PIPUR	UP975	41.35110	35,000 ft	12	-
FIX	AWY-HI	33.23890	10,668 m		
ORMAN	UP975	41.29190	35,000 ft	7	-
FIX	AWY-HI	33.38580	10,668 m		
ERGUN	UP975	40.74640	35,000 ft	69	-
FIX	AWY-HI	34.73890	10,668 m		
SIV	UP975	39.78940	35,000 ft	114	SIVAS
VOR	AWY-HI	36.89330	10,668 m		
ARPUT	UP975	38.84220	35,000 ft	110	-
FIX	AWY-HI	38.94190	10,668 m		
EZS	UP975	38.70690	35,000 ft	15	ELAZIG
VOR	AWY-HI	39.22440	10,668 m		
DYB	UP975	37.87080	35,000 ft	68	DIYARBAKIR
VOR	AWY-HI	40.20860	10,668 m		
LEKRO	UP975	37.27740	35,000 ft	50	-
FIX	AWY-HI	40.97150	10,668 m		
LESRI	UP975	37.07220	35,000 ft	17	-

Ident Type	Via	Lat Lon	Alt		Dist (nm)	Name
FIX	AWY-HI	41.23030	10,668 m			
SIDNA	UP975	36.56610	35,000 ft	37	-	
FIX	AWY-HI	41.68310	10,668 m			
TUBEN	UP975	35.29000	35,000 ft	97	-	
FIX	AWY-HI	42.90940	10,668 m			
MUTAG	UP975	34.50080	35,000 ft	59	-	
FIX	AWY-HI	43.64280	10,668 m			
SOGUM	UP975	34.20330	35,000 ft	22	-	
FIX	AWY-HI	43.91500	10,668 m			
PUTSI	UP975	33.53330	35,000 ft	53	-	
FIX	AWY-HI	44.61670	10,668 m			
SINKA	UP975	33.36030	35,000 ft	13	-	
FIX	AWY-HI	44.79810	10,668 m			
NOLDO	UP975	32.82560	35,000 ft	42	-	
FIX	AWY-HI	45.35810	10,668 m			
KATUT	P975	32.62690	35,000 ft	16	-	
FIX	AWY-HI	45.57750	10,668 m			
DENKI	P975	32.37440	35,000 ft	20	-	
FIX	AWY-HI	45.85610	10,668 m			
ILMAP	P975	31.35920	35,000 ft	82	-	
FIX	AWY-HI	46.95060	10,668 m			
PEBAD	P975	30.83970	35,000 ft	42	-	
FIX	AWY-HI	47.49940	10,668 m			
SIDAD	P975	29.87530	35,000 ft	77	-	
FIX	AWY-HI	48.49560	10,668 m			
DESLU	R784	29.46670	35,000 ft	37	-	
FIX	AWY-HI	49.03060	10,668 m			
NANPI	R784	29.08250	35,000 ft	34	-	
FIX	AWY-HI	49.53250	10,668 m			
ALNIN	R784	28.55140	35,000 ft	46	-	
FIX	AWY-HI	50.17670	10,668 m			
IMDAT	R784	27.68330	35,000 ft	74	-	
FIX	AWY-HI	51.18330	10,668 m			
DURSI	B416	27.20530	35,000 ft	53	-	
FIX	AWY-HI	52.02890	10,668 m			
PEGET	B416	27.07610	35,000 ft	14	-	
FIX	AWY-HI	52.25420	10,668 m			
EGMIT	B416	26.56110	30,800 ft	56	-	
FIX	AWY-HI	53.14030	9,388 m			
LEVNA	B416	26.25970	23,800 ft	32	-	
FIX	AWY-HI	53.64920	7,254 m			
ORSAR	B416	26.07500	19,500 ft	20	-	
FIX	AWY-HI	53.95830	5,944 m			
OMDB	-	25.25110	0 ft	91	Dubai Intl	
APT	-	55.37110	0 m			

KMIA

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

Elevation: 11 ft / 3 m
Location: 25.796200 -80.289700
Magnetic Var: 7.280 W

METAR

KMIA 032053Z 09014G19KT 10SM SCT039 SCT250 30/20 A2990 RMK A02 SLP126 T03000200 56017 \$

TAF

TAF KMIA 031720Z 0318/0424 08010G20KT P6SM VCTS SCT025CB BKN050 FM032100 08008KT P6SM SCT030 OVC050 FM040600 VRB0

Frequencies

REC - 119.15 MHz - D-ATIS
COM - 123.00 MHz - UNICOM
GND - 121.80 MHz - MIAMI GROUND
TWR - 118.30 MHz - MIAMI TOWER
APP - 120.50 MHz - MIAMI APPROACH
APP - 125.75 MHz - MIAMI APPROACH
DEP - 125.50 MHz - MIAMI DEPARTURE

REC - 133.67 MHz - D-ATIS
CLD - 135.35 MHz - CLEARANCE DELIVERY
GND - 127.50 MHz - MIAMI GROUND
TWR - 123.90 MHz - MIAMI TOWER
APP - 124.85 MHz - MIAMI APPROACH
DEP - 119.45 MHz - MIAMI DEPARTURE

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
09	151 ft	13,027 ft	87.37	CONCRETE	1,371 ft	384 ft
	46 m	3,971 m	94.65		418 m	117 m
27	151 ft	13,027 ft	267.39	CONCRETE	276 ft	374 ft
	46 m	3,971 m	274.67		84 m	114 m
08R	200 ft	10,515 ft	87.38	CONCRETE	0 ft	407 ft
	61 m	3,205 m	94.66		0 m	124 m
26L	200 ft	10,515 ft	267.39	CONCRETE	0 ft	407 ft
	61 m	3,205 m	274.67		0 m	124 m
08L	151 ft	8,607 ft	87.38	CONCRETE	0 ft	387 ft
	46 m	2,624 m	94.66		0 m	118 m
26R	151 ft	8,607 ft	267.39	CONCRETE	0 ft	387 ft
	46 m	2,624 m	274.67		0 m	118 m
12	151 ft	9,366 ft	119.61	CONCRETE	0 ft	397 ft
	46 m	2,855 m	126.89		0 m	121 m
30	151 ft	9,366 ft	299.62	CONCRETE	948 ft	0 ft
	46 m	2,855 m	306.90		289 m	0 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IROY	109.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
08R	DME	IMFA	110.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
12	DME	IGEM	108.90 MHz	18 nm	-	-	14 ft
				33 km	-		14 m
26L	DME	IVIN	109.10 MHz	18 nm	-	-	12 ft
				33 km	-		12 m
26R	DME	ICNV	109.30 MHz	18 nm	-	-	8 ft
				33 km	-		8 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
30	DME	IDCX	111.70 MHz	18 nm	-	-	8 ft
				33 km	-		8 m
08R	LOC-ILS	IMFA	110.30 MHz	18 nm	87.37	-	4 ft
				33 km	94.65		4 m
09	LOC-ILS	IBUL	110.90 MHz	18 nm	87.37	-	4 ft
				33 km	94.65		4 m
12	LOC-ILS	IGEM	108.90 MHz	18 nm	119.60	-	4 ft
				33 km	126.88		4 m
26L	LOC-ILS	IVIN	109.10 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
27	LOC-ILS	IMIA	109.50 MHz	18 nm	267.37	-	4 ft
				33 km	274.65		4 m
30	LOC-ILS	IDCX	111.70 MHz	18 nm	299.60	-	4 ft
				33 km	306.88		4 m
08L	LOC-LOC	IROY	109.30 MHz	18 nm	87.36	-	4 ft
				33 km	94.64		4 m
26R	LOC-LOC	ICNV	109.30 MHz	18 nm	267.36	-	4 ft
				33 km	274.64		4 m
08R	GS	IMFA	110.30 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
09	GS	IBUL	110.90 MHz	10 nm	87.37	3.00	4 ft
				19 km	94.65		4 m
12	GS	IGEM	108.90 MHz	10 nm	119.60	3.00	4 ft
				19 km	126.88		4 m
26L	GS	IVIN	109.10 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
27	GS	IMIA	109.50 MHz	10 nm	267.37	3.00	4 ft
				19 km	274.65		4 m
30	GS	IDCX	111.70 MHz	10 nm	299.60	3.00	4 ft
				19 km	306.88		4 m

OMDB

Region: UNITED ARAB EMIRATES
Timezone: ASIA/DUBAI
Runways: 2

Elevation: 62 ft / 19 m
Location: 25.251100 55.371100
Magnetic Var: 2.356 E

METAR

OMDB 032100Z 24005KT CAVOK 33/26 Q1001 NOSIG

TAF

TAF OMDB 031700Z 0318/0500 VRB02KT 8000 NSC PROB30 0400/0404 1500 BR BKN004 BECMG 0403/0405 19010KT BECMG 0408/0410 20000KT

Frequencies

REC - 126.27 MHz - ATIS ARRIVAL	REC - 131.70 MHz - ATIS DEPARTURE
TWR - 126.77 MHz - DUBAI TOWER	TWR - 119.55 MHz - DUBAI TOWER
TWR - 118.75 MHz - DUBAI TOWER	TWR - 119.05 MHz - DUBAI TOWER
GND - 118.35 MHz - DUBAI GROUND	GND - 118.85 MHz - DUBAI GROUND
GND - 121.65 MHz - DUBAI GROUND	CLD - 120.35 MHz - CLEARANCE DELIVERY
APP - 122.50 MHz - MINHAD APPROACH	APP - 126.02 MHz - MINHAD APPROACH
APP - 120.25 MHz - DUBAI ARRIVAL	APP - 124.45 MHz - DUBAI ARRIVAL
APP - 124.90 MHz - DUBAI ARRIVAL	DEP - 126.02 MHz - DUBAI DEPARTURE
DEP - 121.02 MHz - DUBAI DEPARTURE	DEP - 126.20 MHz - DUBAI DEPARTURE
DEP - 120.25 MHz - DUBAI DEPARTURE	APP - 120.40 MHz - DUBAI RADAR
APP - 126.02 MHz - DUBAI RADAR	APP - 127.90 MHz - DUBAI DIRECT

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
12R	200 ft	14,604 ft	121.53	ASPHALT	2,352 ft	771 ft
	61 m	4,452 m	119.17		717 m	235 m
30L	200 ft	14,604 ft	301.54	ASPHALT	436 ft	0 ft
	61 m	4,452 m	299.19		133 m	0 m
12L	200 ft	14,289 ft	121.48	ASPHALT	1,496 ft	381 ft
	61 m	4,355 m	119.13		456 m	116 m
30R	200 ft	14,289 ft	301.50	ASPHALT	991 ft	377 ft
	61 m	4,355 m	299.14		302 m	115 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12L	DME	IDBL	110.10 MHz	18 nm	-	-	62 ft
				33 km	-		62 m
30L	DME	IDBW	111.30 MHz	18 nm	-	-	41 ft
				33 km	-		41 m
30R	DME	IDBR	110.90 MHz	18 nm	-	-	44 ft
				33 km	-		44 m
12L	LOC-ILS	IDBL	110.10 MHz	18 nm	121.49	-	62 ft
				33 km	119.13		62 m
12R	LOC-ILS	IDBE	109.50 MHz	18 nm	121.54	-	62 ft
				33 km	119.18		62 m
30L	LOC-ILS	IDBW	111.30 MHz	18 nm	301.54	-	62 ft
				33 km	299.18		62 m
30R	LOC-ILS	IDBR	110.90 MHz	18 nm	301.49	-	62 ft
				33 km	299.13		62 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
12L	GS	IDBL	110.10 MHz	10 nm	121.49	3.00	62 ft
				19 km	119.13		62 m
12R	GS	IDBE	109.50 MHz	10 nm	121.54	3.00	62 ft
				19 km	119.18		62 m
30L	GS	IDBW	111.30 MHz	10 nm	301.54	3.00	62 ft
				19 km	299.18		62 m
30R	GS	IDBR	110.90 MHz	10 nm	301.49	3.00	62 ft
				19 km	299.13		62 m