

16259

## AIRPORT DIAGRAM

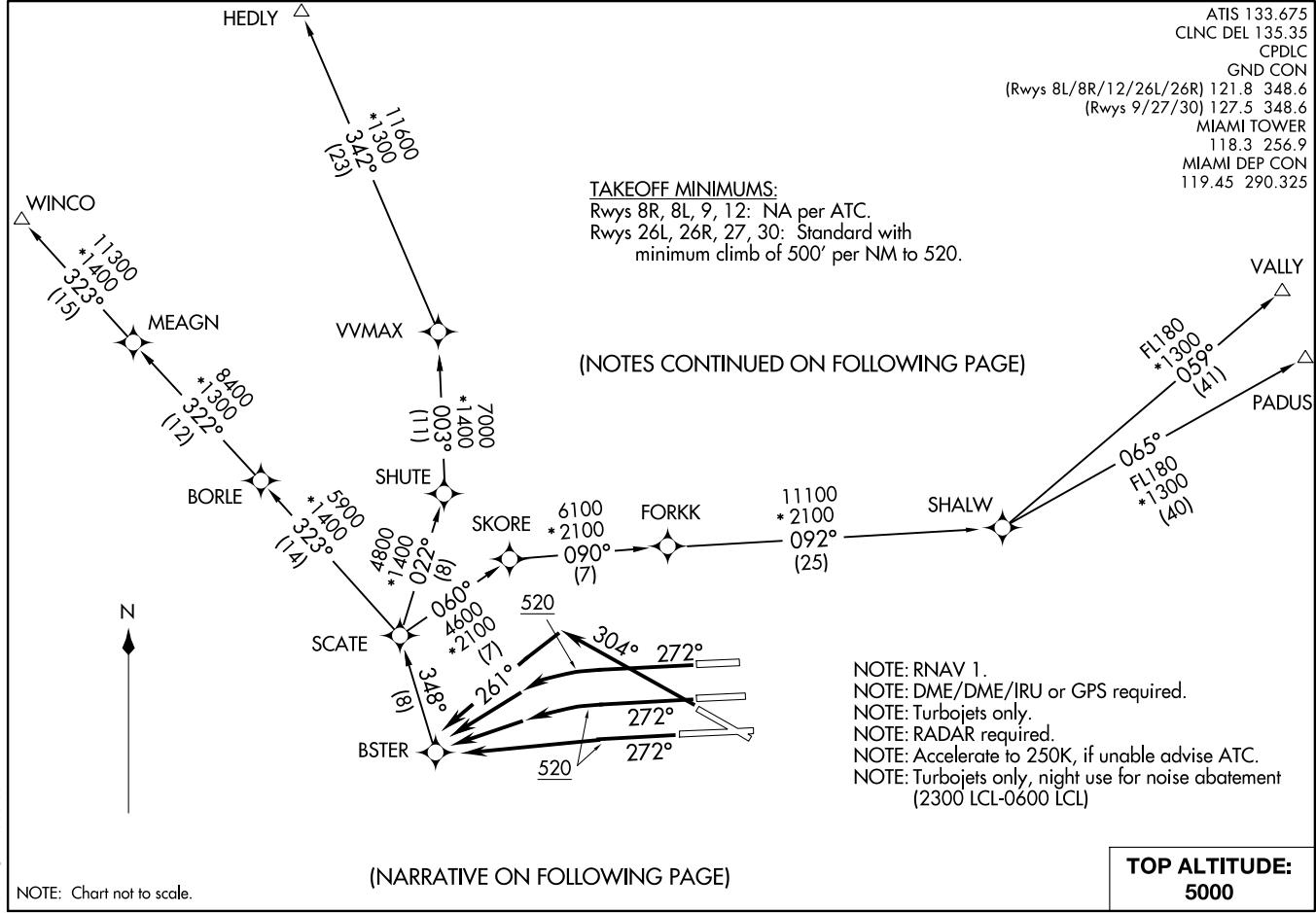
AL-257 (FAA)

**MIAMI INTL (MIA)**  
MIAMI, FLORIDA

## AIRPORT DIAGRAM

16259

MIAMI, FLORIDA  
MIAMI INT'L (MTA)

BSTER TWO DEPARTURE (RNAV)  
(BSTER2.BSTER) 30APR15



## DEPARTURE ROUTE DESCRIPTION

**TAKOFF RUNWAY 26L/R, 27:** Climb heading 272° to 520, then direct BSTER, then on depicted route to SCATE. Thence. . . .

**TAKOFF RUNWAY 30:** Climb heading 304° to intercept course 261° to BSTER, then on depicted route to SCATE. Thence. . . .

. . . via transition or assigned route, maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

**HEDLY TRANSITION (BSTER2.HEDLY):**

**PADUS TRANSITION (BSTER2.PADUS):**

**VALLY TRANSITION (BSTER2.VALLY):**

**WINCO TRANSITION (BSTER2.WINCO):**

**TAKOFF OBSTACLE NOTES:**

Rwy 26L: Pole 1080' from DER, 680' left of centerline, 33' AGL/47' MSL. Light pole 1773' from DER, 825' left of centerline, 34' AGL/53' MSL. Tree 1405' from DER, 848' left of centerline, 30' AGL/44' MSL. Rod on tower 1305' from DER, 638' right of centerline, 34' AGL/48' MSL. Tree 2459' from DER, 1070' right of centerline, 63' AGL/71' MSL.

Rwy 26R: Numerous poles beginning 1090' from DER, 36' right of centerline, up to 44' AGL/59' MSL. Building 740' from DER, 511' right of centerline, 14' MSL/28' MSL. Trees beginning 1047' from DER, 272' right of centerline, up to 66' AGL/80' MSL. Tree 888' from DER, on centerline, 21' AGL/35' MSL. Rod on tower 1304' from DER, 160' left of centerline, 34' AGL/48' MSL.

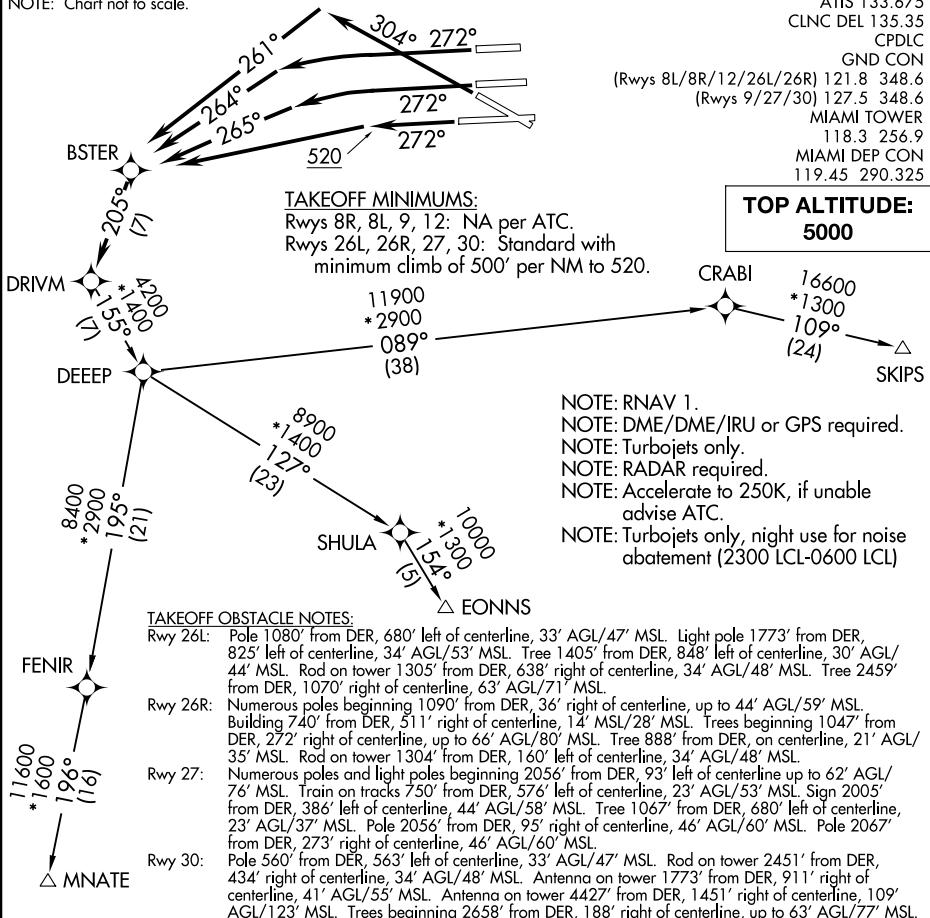
Rwy 27: Numerous poles and light poles beginning 2056' from DER, 93' left of centerline up to 62' AGL/76' MSL. Train on tracks 750' from DER, 576' left of centerline, 23' AGL/53' MSL. Sign 2005' from DER, 386' left of centerline, 44' AGL/58' MSL. Tree 1067' from DER, 680' left of centerline, 23' AGL/37' MSL. Pole 2056' from DER, 95' right of centerline, 46' AGL/60' MSL. Pole 2067' from DER, 273' right of centerline, 46' AGL/60' MSL.

Rwy 30: Pole 560' from DER, 563' left of centerline, 33' AGL/47' MSL. Rod on tower 2451' from DER, 434' right of centerline, 34' AGL/48' MSL. Antenna on tower 1733' from DER, 911' right of centerline, 41' AGL/55' MSL. Antenna on tower 4427' from DER, 1451' right of centerline, 109' AGL/123' MSL. Trees beginning 2658' from DER, 188' right of centerline, up to 63' AGL/77' MSL.

## DEEPEP TWO DEPARTURE (RNAV)

MIAMI INTL (MIA)  
MIAMI, FLORIDA

NOTE: Chart not to scale.



## DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 26L:** Climb heading 272° to intercept course 265° to BSTER, then on depicted route to DRIVM, thence. . . .

**TAKEOFF RUNWAY 26R:** Climb heading 272° to intercept course 264° to BSTER, then on depicted route to DRIVM, thence. . . .

**TAKEOFF RUNWAY 27:** Climb heading 272° to 520, then direct BSTER, then on depicted route to DRIVM, thence. . . .

**TAKEOFF RUNWAY 30:** Climb heading 304° to intercept course 261° to BSTER, then on depicted route to DRIVM, thence. . . .

....via transition or assigned route, maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

**EONNS TRANSITION (DEEPEP2.EONNS):**

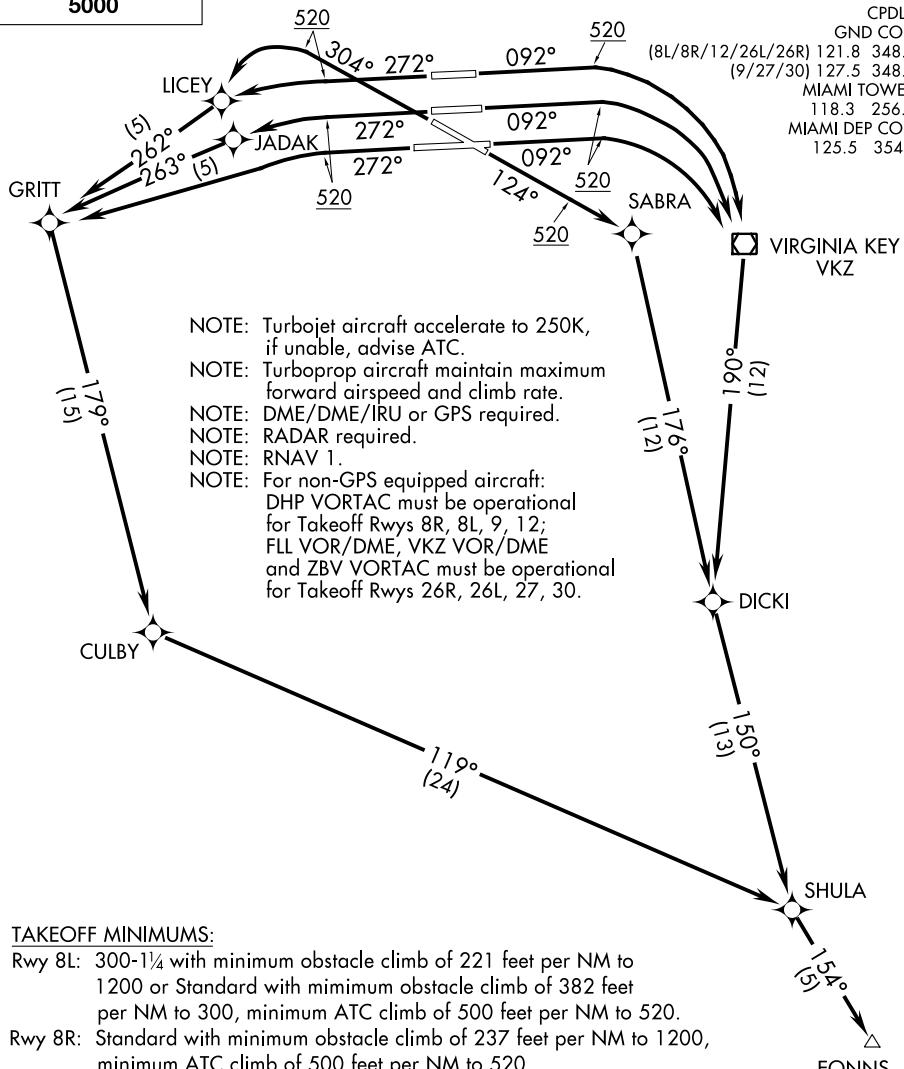
**MNATE TRANSITION (DEEPEP2.MNATE):**

**SKIPS TRANSITION (DEEPEP2.SKIPS):**

## EONNS TWO DEPARTURE(RNAV)

MIAMI INTL (MIA)  
MIAMI, FLORIDATOP ALTITUDE:  
5000

ATIS 133.675  
CLNC DEL 135.35  
CPDLC  
GND CON  
(8L/8R/12/26L/26R) 121.8 348.6  
(9/27/30) 127.5 348.6  
MIAMI TOWER 118.3 256.9  
MIAMI DEP CON 125.5 354.1

TAKEOFF MINIMUMS:

Rwy 8L: 300-1 $\frac{1}{4}$  with minimum obstacle climb of 221 feet per NM to 1200 or Standard with minimum obstacle climb of 382 feet per NM to 300, minimum ATC climb of 500 feet per NM to 520.

Rwy 8R: Standard with minimum obstacle climb of 237 feet per NM to 1200, minimum ATC climb of 500 feet per NM to 520.

Rwy 9: Standard with minimum obstacle climb of 233 feet per NM to 1200, minimum ATC climb of 500 feet per NM to 520.

Rwy 12: Standard with minimum obstacle climb of 226 feet per NM to 1200, minimum ATC climb of 500 feet per NM to 520.

Rwys 26R, 26L, 27, 30: Standard with minimum ATC climb of 300 feet per NM to 520.

**NOTE:** Chart not to scale.

(CONTINUED ON NEXT PAGE)

**DEPARTURE ROUTE DESCRIPTION**

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**TAKEOF**RUNWAYS 8L/R, 9: Climb heading 092° to 520, then right turn direct VKZ VOR/DME, then via depicted route to EONNS, thence. . . .

**TAKEOF**RUNWAY 12: Climb heading 124° to 520, then right turn direct SABRA, then via depicted route to EONNS, thence. . . .

**TAKEOF**RUNWAY 26R: Climb heading 272° to 520, then left turn direct LICEY, then via depicted route to EONNS, thence. . . .

**TAKEOF**RUNWAY 26L: Climb heading 272° to 520, then left turn direct JADAK, then via depicted route to EONNS, thence. . . .

**TAKEOF**RUNWAY 27: Climb heading 272° to 520, then left turn direct GRITT, then left turn via track 179° to CULBY, then via depicted route to EONNS, thence. . . .

**TAKEOF**RUNWAY 30: Climb heading 304° to 520, then left turn direct LICEY, then via depicted route to EONNS, thence. . . .

. . . . maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

**TAKEOFOBSTACLE NOTES:**

Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL.

Glideslope antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL.

Multiple towers and bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.

Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL.

Antenna and multiple trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.

Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL.

Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.

Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL.

Building and tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL. Windsock 681' from DER, 345' left of centerline, 21' AGL/30' MSL.

Rwy 26R: Tower, building, multiple light poles and trees beginning 741' from DER, 1' right of centerline, up to 66' AGL/80' MSL. Pole, bldg, and tower beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.

Rwy 26L: Tower and multiple trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and light pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.

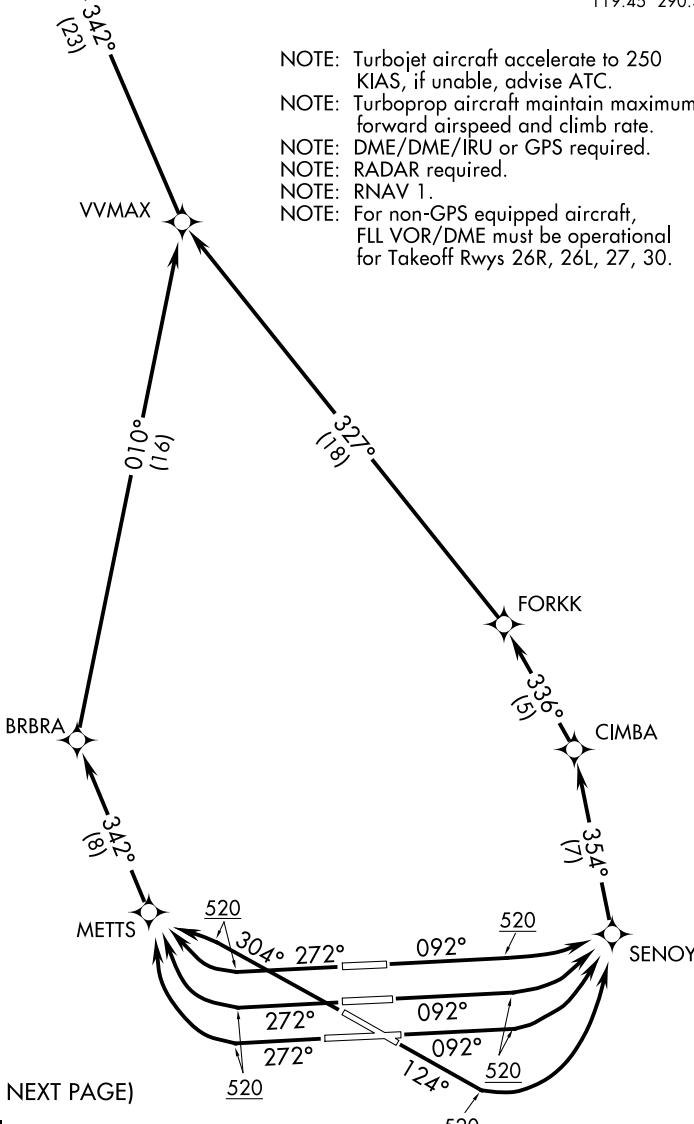
Rwy 27: Railroad, tree, and multiple light poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.

Rwy 30: Pole, multiple towers and trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.

## HEDLY TWO DEPARTURE (RNAV)

MIAMI INTL (MIA)  
MIAMI, FLORIDAHEDLY  $\triangle$ TOP ALTITUDE:  
5000

ATIS 133.675  
CLNC DEL 135.35  
CPDLC  
GND CON  
(8L/8R/12/26L/26R) 121.8 348.6  
(9/27/30) 127.5 348.6  
MIAMI TOWER 118.3 256.9  
MIAMI DEP CON 119.45 290.325





## DEPARTURE ROUTE DESCRIPTION

TAKEOF RUNWAYS 8L/R, 9: Climb heading 092° to 520, then left turn direct SENOY, then via depicted route to HEDLY, thence. . . .

TAKEOF RUNWAY 12: Climb heading 124° to 520, then left turn direct SENOY, then via depicted route to HEDLY, thence. . . .

TAKEOF RUNWAYS 26L/R, 27: Climb heading 272° to 520, then right turn direct METTS, then via depicted route to HEDLY, thence. . . .

TAKEOF RUNWAY 30: Climb heading 304° to 520, then left turn direct METTS, then via depicted route to HEDLY, thence. . . .

. . . . maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

TAKEOF MINIMUMS:

Rwy 8L: 300-1¼ or Standard with minimum obstacle climb of 382 feet per NM to 300, minimum ATC climb of 500 feet per NM to 520.

Rwys 8R, 9: Standard with minimum ATC climb of 500 feet per NM to 520.

Rwy 12: Standard with minimum obstacle climb of 229 feet per NM to 1200, minimum ATC climb of 500 feet per NM to 520.

Rwys 26R, 26L, 27, 30: Standard with minimum ATC climb of 300 feet per NM to 520.

TAKEOF OBSTACLE NOTES:

Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL.

Glideslope Antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL.

Multiple Towers and Bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.

Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL.

Antenna and Multiple Trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.

Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL.

Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.

Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL.

Building and Tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL.

Windsock 681' from DER, 345' left of centerline, 21' AGL/30' MSL.

Rwy 26R: Tower, Building, Multiple Light Poles and Trees beginning 741' from DER,

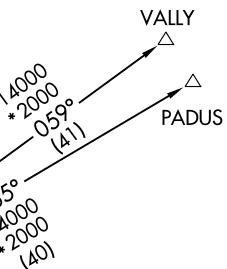
1' right of centerline, up to 66' AGL/80' MSL. Pole, Bldg, and Tower

beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.

Rwy 26L: Tower and Multiple Trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and Light Pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.

Rwy 27: Railroad, Tree, and Multiple Light Poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.

Rwy 30: Pole, Multiple Towers and Trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.

**HITAG TWO DEPARTURE (RNAV)**
**TOP ALTITUDE:**  
**5000**


**TAKEOFF MINIMUMS:**  
 Rwy 26L/R, 27, 30: NA per ATC.  
 Rwy 8L/R, 9, 12: Standard with minimum climb of 500' per NM to 520.

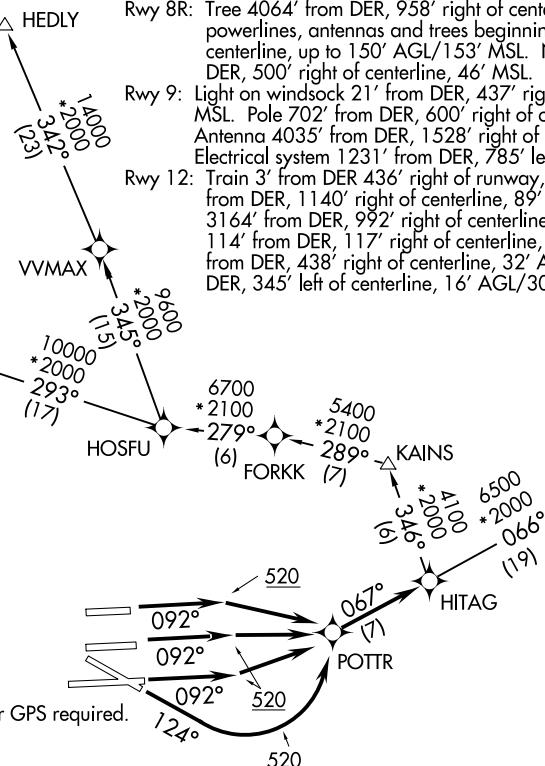
**DEPARTURE ROUTE DESCRIPTION**

**TAKEOFF RUNWAYS 8L/R, 9:** Climb heading 092° to 520, then direct POTTR, then on depicted route to HITAG. Thence. . .  
**TAKEOFF RUNWAY 12:** Climb heading 124° to 520, then turn left direct POTTR, then on depicted route to HITAG. Thence. . .

. . . Via transition or assigned route, maintain 5000 or as assigned by ATC, expect climb to filed altitude/flight level within 10 minutes after departure.

**HEDLY TRANSITION (HITAG2.HEDLY):**
**PADUS TRANSITION (HITAG2.PADUS):**
**VALLY TRANSITION (HITAG2.VALLY):**
**WINCO TRANSITION (HITAG2.WINCO):**
**TAKEOFF OBSTACLE NOTES:**

- Rwy 8L: Multiple buildings with antennas and towers beginning 1350' from DER, 690' left of centerline, up to 160' AGL/172' MSL.  
 Rwy 8R: Tree 4064' from DER, 958' right of centerline, 93' AGL/112' MSL. Multiple powerlines, antennas and trees beginning 1856' from DER, 238' left of centerline, up to 150' AGL/153' MSL. Navaid and rod on OL GS 804' from DER, 500' right of centerline, 46' MSL.  
 Rwy 9: Light on windsock 21' from DER, 437' right of centerline, 21' AGL/30' MSL. Pole 702' from DER, 600' right of centerline, 21' AGL/38' MSL. Antenna 4035' from DER, 1528' right of centerline, 108' AGL/125' MSL. Electrical system 1231' from DER, 785' left of centerline 32' AGL/48' MSL.  
 Rwy 12: Train 3' from DER 436' right of runway, 23' AGL/51' MSL. Antenna 2917' from DER, 1140' right of centerline, 85' AGL/106' MSL. Antenna on building 3164' from DER, 992' right of centerline, 91' AGL/108' MSL. Trees beginning 114' from DER, 117' right of centerline, up to 20' AGL/37' MSL. Sign 1191' from DER, 438' right of centerline, 32' AGL/49' MSL. Windsock 680' from DER, 345' left of centerline, 16' AGL/30' MSL.



ATIS 133.675  
 CLNC DEL 135.35  
 CPDLC  
 GND CON  
 (Rwys 8/R/12/26L/26R)  
 121.8 348.6  
 (Rwys 9/27/30)  
 127.5 348.6  
 MIAMI TOWER  
 118.3 256.9  
 MIAMI DEP CON  
 119.45 290.325

**HITAG TWO DEPARTURE (RNAV)**  
 (HITAG2.HITAG) 30APR15

NOTE: RNAV 1.  
 NOTE: DME/DME/IRU or GPS required.  
 NOTE: Turboprops only.  
 NOTE: RADAR required.  
 NOTE: Accelerate to 250K, if unable advise ATC.  
 NOTE: Turboprops only, night use for noise abatement (2300 LCL-0600 LCL)  
 NOTE: Chart not to scale.

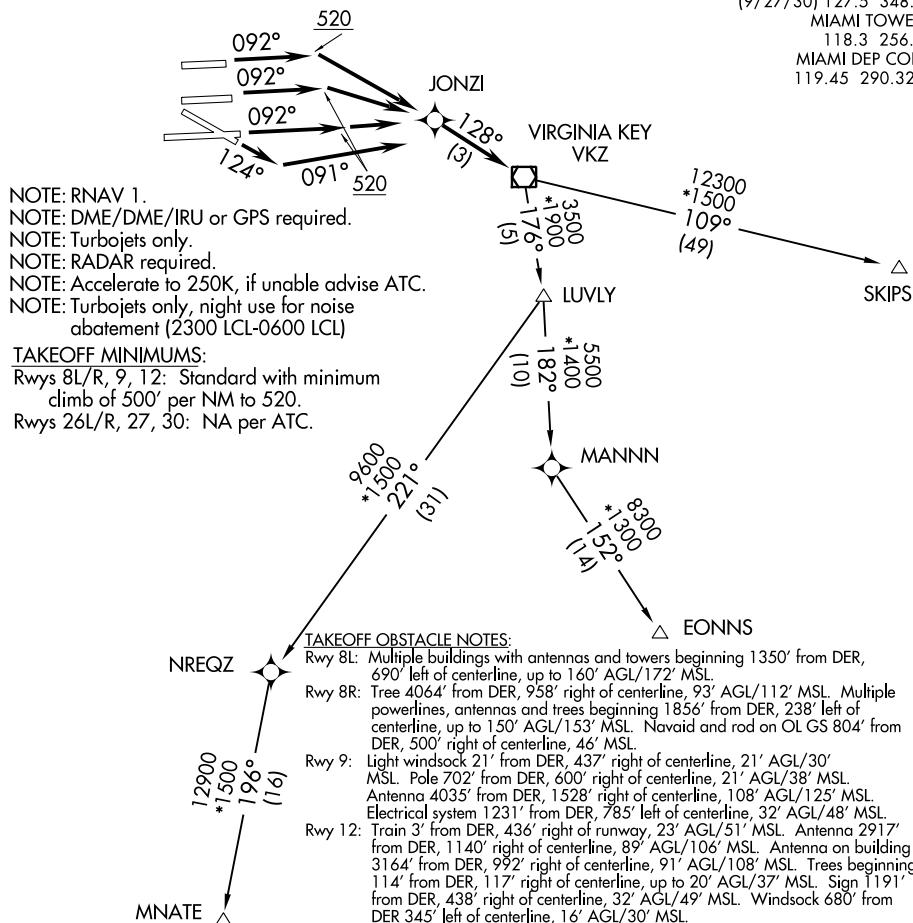
MIAMI INT'L (MIA)  
 MIAMI, FLORIDA

## JONZI TWO DEPARTURE (RNAV)

MIAMI INTL (MIA)  
MIAMI, FLORIDA**TOP ALTITUDE:**  
**5000**

NOTE: Chart not to scale.

ATIS 133.675  
CLNC DEL 135.35  
CPDLC  
GND CON  
(Rwy 8L/8R/12/26L/26R) 121.8 348.6  
(9/27/30) 127.5 348.6  
MIAMI TOWER 118.3 256.9  
MIAMI DEP CON 119.45 290.325



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb heading 092° to 520, then direct JONZI, then on depicted route to VKZ VOR/DME. Thence....

TAKEOFF RUNWAY 12: Climb heading 124° to intercept course 091° to JONZI, then on depicted route to VKZ VOR/DME. Thence....

...via transition or assigned route, maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

EONNS TRANSITION (JONZI2.EONNS):

MNATE TRANSITION (JONZI2.MNATE):

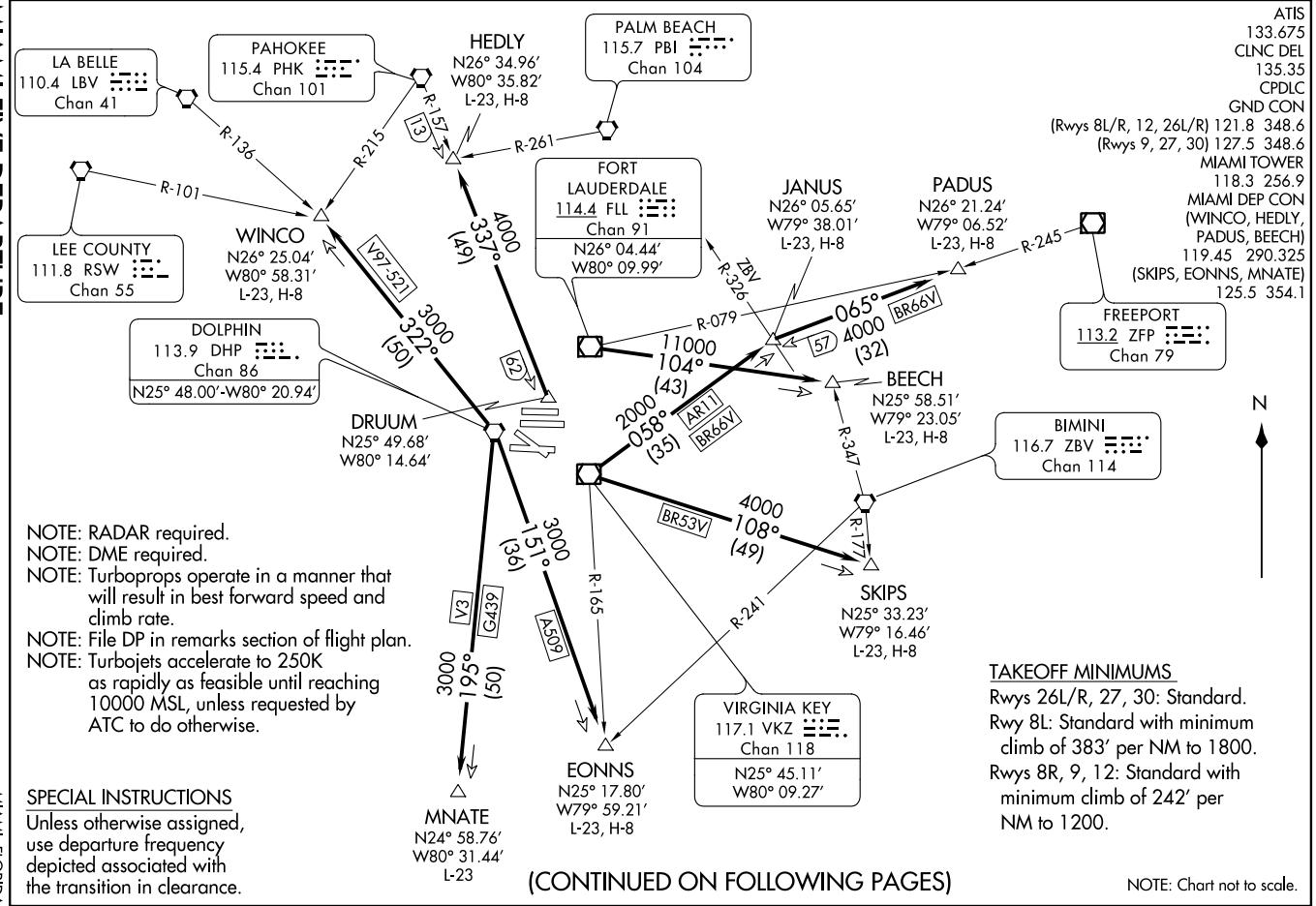
SKIPS TRANSITION (JONZI2.SKIPS):

MAMI FIVE DEPARTURE  
(MIA5.MIA) 10DEC15

(MIA5.MIA) 16259  
**MIAMI FIVE DEPARTURE**

SL-257 (FAA)

MIAMI INT'L (MIA)  
MIAMI, FLORIDA



NOTE: RADAR required.

NOTE: DME required.

**NOTE:** Turboprops operate in a manner that will result in best forward speed and climb rate.

NOTE: File DP in remarks section of flight plan.  
NOTE: Turbojets accelerate to 250K

NOTE: Turbopellets accelerate to 250R as rapidly as feasible until reaching

as rapidly as feasible until reaching 10000 MSL, unless requested by ATC to do otherwise.

## SPECIAL INSTRUCTIONS

Unless otherwise assigned,  
use departure frequency  
depicted associated with  
the transition in clearance.

## **TAKEOFF MINIMUMS**

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**Rwvs 26L/R, 27, 30: Standard.**

Rwy 8L: Standard with minimum climb of 383' per NM to 1800.

Rwys 8R, 9, 12: Standard with minimum climb of 242' per NM to 1200.

(CONTINUED ON FOLLOWING PAGES)

**DEPARTURE ROUTE DESCRIPTION**

TAKEOF ALL RWYS: Climb on assigned heading for RADAR vectors to assigned transition. Climb and maintain 5000 or assigned lower altitude. Expect filed altitude ten (10) minutes after departure.

BEECH TRANSITION (MIA5.BEECH): From over FLL VOR/DME on FLL R-104 to BEECH INT.

EONNS TRANSITION (MIA5.EONNS): From over DHP VORTAC on DHP R-151 to EONNS INT.

HEDLY TRANSITION (MIA5.HEDLY): From over DRUUM DME FIX on PHK R-157 to HEDLY INT.

MNATE TRANSITION (MIA5.MNATE): From over DHP VORTAC on DHP R-195 to MNATE DME FIX.

PADUS TRANSITION (MIA5.PADUS): From over VKZ VOR/DME on VKZ R-058 to JANUS INT and ZFP R-245 to PADUS INT.

SKIPS TRANSITION (MIA5.SKIPS): From over VKZ VOR/DME on VKZ R-108 to SKIPS INT.

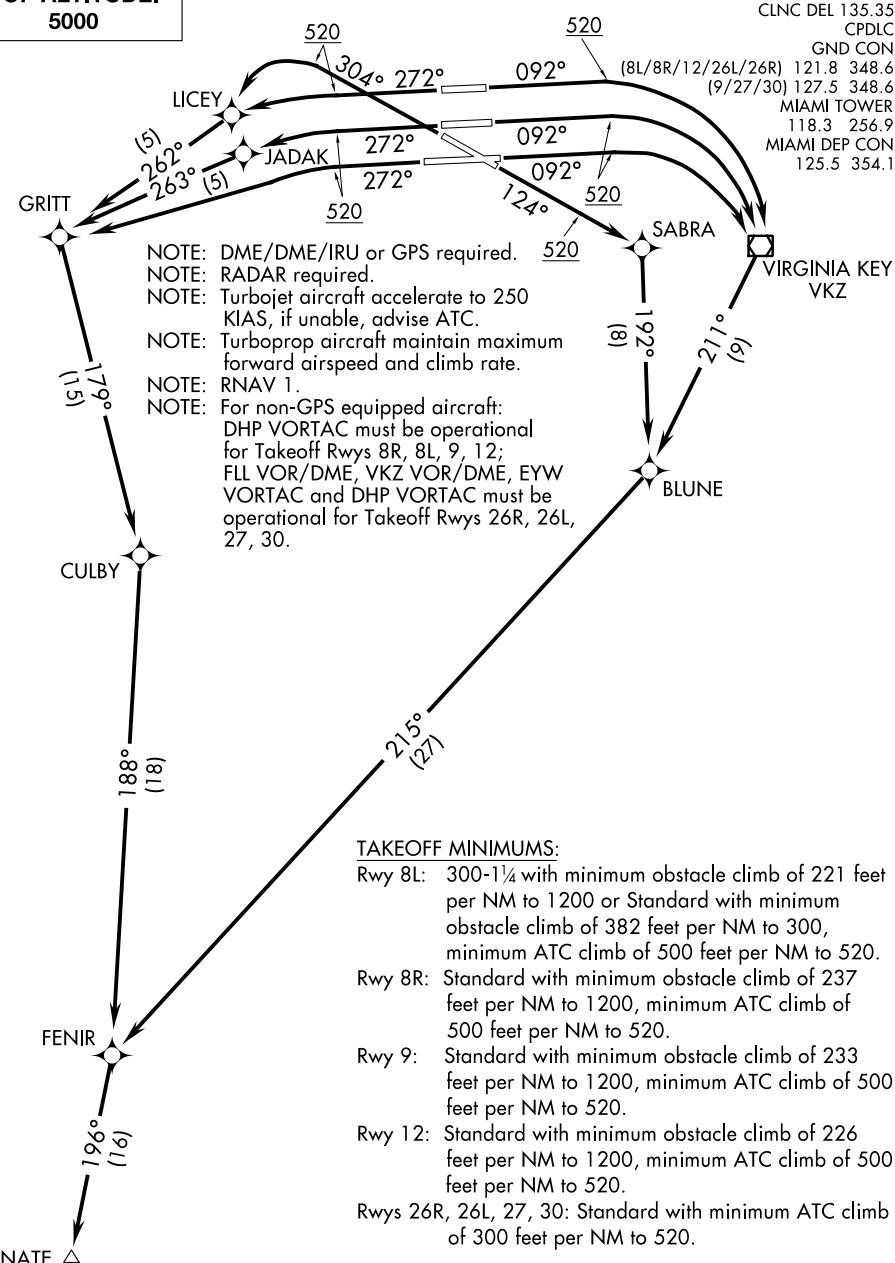
WINCO TRANSITION (MIA5.WINCO): From over DHP VORTAC on DHP R-322 to WINCO INT.

(NOTES CONTINUED ON FOLLOWING PAGE)

**MIAMI FIVE DEPARTURE****TAKEOFF OBSTACLE NOTES**

- Rwy 8L: Multiple buildings with antennas and towers beginning 1350' from DER, 690' left of centerline, up to 160' AGL/172' MSL.
- Rwy 8R: Tree 4064' from DER, 958' right of centerline, 93' AGL/112' MSL.  
Multiple power lines, antennas and trees beginning 1856' from DER, 238' left of centerline, up to 150' AGL/153' MSL.  
Navaid and rod on OL GS 804' from DER, 500' right of centerline, 46' MSL.
- Rwy 9: Light on windsock 21' from DER, 437' right of centerline, 21' AGL/30' MSL.  
Pole 702' from DER, 600' right of centerline, 21' AGL/38' MSL.  
Antenna 4035' from DER, 1528' right of centerline, 108' AGL/125' MSL.  
Electrical system 1231' from DER, 785' left of centerline, 32' AGL/48' MSL.
- Rwy 12: Train 3' from DER, 436' right of runway, 23' AGL/51' MSL.  
Antenna 2917' from DER, 1140' right of centerline, 89' AGL/106' MSL.  
Antenna on building 3164' from DER, 992' right of centerline, 91' AGL/108' MSL.  
Trees beginning 114' from DER, 117' right of centerline, up to 20' AGL/37' MSL.  
Sign 1191' from DER, 438' right of centerline, 32' AGL/49' MSL.  
Windsock 680' from DER, 345' left of centerline, 16' AGL/30' MSL.
- Rwy 26L: Pole 1080' from DER, 680' left of centerline, 33' AGL/47' MSL.  
Light pole 1773' from DER, 825' left of centerline, 34' AGL/53' MSL.  
Tree 1405' from DER, 848' left of centerline, 30' AGL/44' MSL.  
Rod on tower 1305' from DER, 638' right of centerline, 34' AGL/48' MSL.  
Tree 2459' from DER, 1070' right of centerline, 63' AGL/71' MSL.
- Rwy 26R: Numerous poles beginning 1090' from DER, 36' right of centerline, up to 44' AGL/59' MSL.  
Building 740' from DER, 511' right of centerline, 14' AGL/28' MSL.  
Trees beginning 1047' from DER, 272' right of centerline, up to 66' AGL/80' MSL.  
Tree 888' from DER, on centerline, 21' AGL/35' MSL.  
Rod on tower 1304' from DER, 160' left of centerline, 34' AGL/48' MSL.
- Rwy 27: Train on tracks 750' from DER, 576' left of centerline, 23' AGL/37' MSL.  
Tree 1067' from DER, 680' left of centerline, 23' AGL/37' MSL.  
Roadway beginning 1874' from DER, 502' left of centerline, up to 71' AGL/85' MSL.  
Numerous poles and signs beginning 1876' from DER, 93' left of centerline, up to 63' AGL/77' MSL.  
Poles beginning 2056' from DER, 95' right of centerline, up to 46' AGL/60' MSL.
- Rwy 30: Pole 560' from DER, 563' left of centerline, 33' AGL/47' MSL.  
Rod on tower 2451' from DER, 434' right of centerline, 34' AGL/48' MSL.  
Antenna on tower 1733' from DER, 911' right of centerline, 41' AGL/55' MSL.  
Antenna on tower 4427' from DER, 1451' right of centerline, 109' AGL/123' MSL.  
Trees beginning 2658' from DER, 188' right of centerline, up to 63' AGL/77' MSL.

## MNATE TWO DEPARTURE(RNAV)

MIAMI INTL (MIA)  
MIAMI, FLORIDATOP ALTITUDE:  
5000

(CONTINUED ON NEXT PAGE)

NOTE: Chart not to scale.

MNATE TWO DEPARTURE(RNAV)

(MNATE2.MNATE) 30APR15

MIAMI, FLORIDA  
MIAMI INTL (MIA)



## DEPARTURE ROUTE DESCRIPTION

TAKEOFRUNWAY 8L/R, 9: Climb heading 092° to 520', then right turn direct VKZ VOR/DME, then via depicted route to MNATE, thence. . . .

TAKEOFRUNWAY 12: Climb heading 124° to 520', then direct SABRA, then via depicted route to MNATE, thence. . . .

TAKEOFRUNWAY 26R: Climb heading 272° to 520', then direct LICEY, then via depicted route to MNATE, thence. . . .

TAKEOFRUNWAY 26L: Climb heading 272° to 520', then left turn direct JADAK, then via depicted route to MNATE, thence. . . .

TAKEOFRUNWAY 27: Climb heading 272° to 520', then left turn direct GRITT, then via depicted route to MNATE, thence. . . .

TAKEOFRUNWAY 30: Climb heading 304° to 520', then left turn direct LICEY, then via depicted route to MNATE, thence. . . .

. . . . maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

TAKEOFOBSTACLE NOTES:

Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL. Glideslope Antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL. Multiple Towers and Bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.

Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL. Antenna and Multiple Trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.

Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL. Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.

Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL. Building and Tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL.

Rwy 26R: Tower, Building, Multiple Light Poles and Trees beginning 741' from DER, 1' right of centerline, up to 66' AGL/80' MSL. Pole, Bldg, and Tower beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.

Rwy 26L: Tower and Multiple Trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and Light Pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.

Rwy 27: Railroad, Tree, and Multiple Light Poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.

Rwy 30: Pole, Multiple Towers and Trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.

ATIS 133.675  
CLNC DEL 135.35  
CPDLC  
GND CON  
121.8 348.6 (8L/8R/12/26L/26R)  
127.5 348.6 (9/27/30)  
MIAMI TOWER  
118.3 256.9  
MIAMI DEP CON  
119.45 290.325  
(PADUS2.PADUS) 30APR15

## TAKEOFF MINIMUMS:

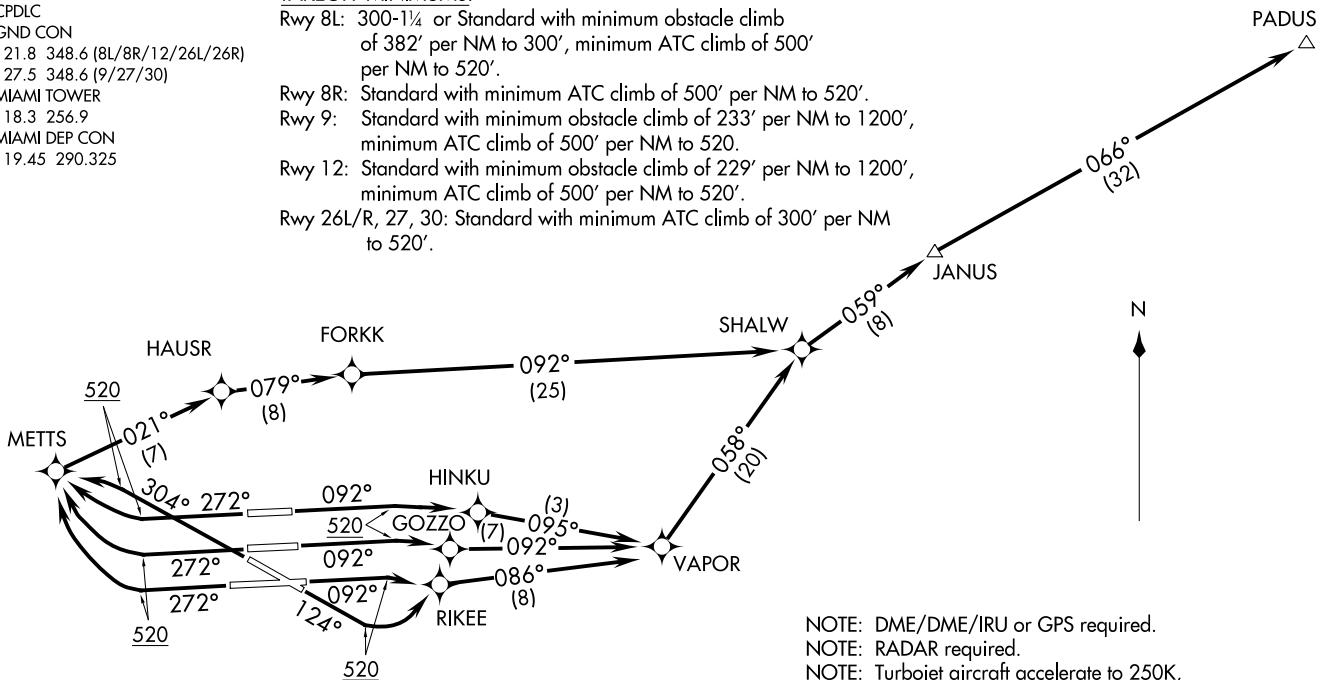
Rwy 8L: 300-1/4 or Standard with minimum obstacle climb of 382' per NM to 300', minimum ATC climb of 500' per NM to 520'.

Rwy 8R: Standard with minimum ATC climb of 500' per NM to 520'.

Rwy 9: Standard with minimum obstacle climb of 233' per NM to 1200', minimum ATC climb of 500' per NM to 520'.

Rwy 12: Standard with minimum obstacle climb of 229' per NM to 1200', minimum ATC climb of 500' per NM to 520'.

Rwy 26L/R, 27, 30: Standard with minimum ATC climb of 300' per NM to 520'.



NOTE: DME/DME/IRU or GPS required.

NOTE: RADAR required.

NOTE: Turbojet aircraft accelerate to 250K, if unable, advise ATC.

NOTE: Turboprop aircraft maintain maximum forward airspeed and climb rate.

NOTE: RNAV 1.

MIAMI INTL (MIA)  
MIAMI, FLORIDA

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)  
(NOTES CONTINUED ON NEXT PAGE)TOP ALTITUDE:  
5000



## DEPARTURE ROUTE DESCRIPTION

**TAKEOFF RUNWAY 8L:** Climb heading 092° to 520', then right turn direct HINKU, then via depicted route to PADUS, thence. . . .

**TAKEOFF RUNWAY 8R:** Climb heading 092° to 520', then right turn direct GOZZO, then via depicted route to PADUS, thence. . . .

**TAKEOFF RUNWAY 9:** Climb heading 092° to 520', then right turn direct RIKEE, then via depicted route to PADUS, thence. . . .

**TAKEOFF RUNWAY 12:** Climb heading 124° to 520', then left turn direct RIKEE, then via depicted route to PADUS, thence. . . .

**TAKEOFF RUNWAY 26L/R, 27:** Climb heading 272° to 520', then right turn direct METTS, then via depicted route to PADUS, thence. . . .

**TAKEOFF RUNWAY 30:** Climb heading 304° to 520', then left turn direct METTS, then via depicted route to PADUS, thence. . . .

. . . . maintain 5000' or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

**TAKEOFF OBSTACLE NOTES:**

Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL.

Glideslope antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL.

Multiple towers and bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.

Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL.

Antenna and multiple trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.

Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL.

Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.

Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL.

Building and tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL. Windsock 681' from DER, 345' left of centerline, 21' AGL/30' MSL.

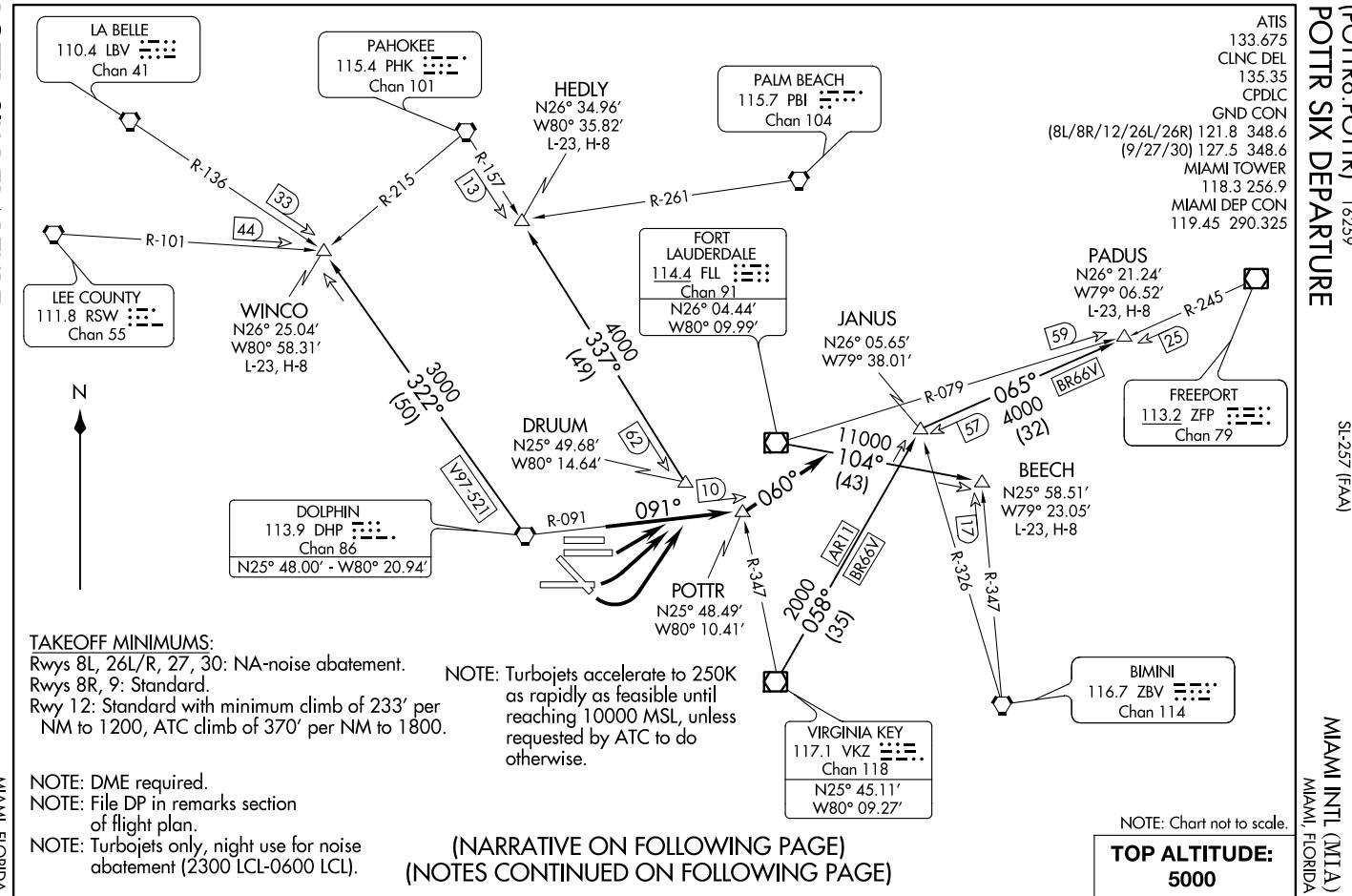
Rwy 26R: Tower, building, multiple light poles and trees beginning 741' from DER, 1' right of centerline, up to 66' AGL/80' MSL. Pole, bldg, and tower beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.

Rwy 26L: Tower and multiple trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and light pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.

Rwy 27: Railroad, tree, and multiple light poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.

Rwy 30: Pole, multiple towers and trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.

**POTTR SIX DEPARTURE**  
**(POTTR6.POTTR)** 16259  
**(POTTR6.POTTR) 30APR15**





## DEPARTURE ROUTE DESCRIPTION

TAKETOFF RWY 8R: Climb to intercept DHP VORTAC R-091 to POTTR INT. Thence . . . .

TAKETOFF RWYS 9, 12: Climbing left turn to intercept DHP VORTAC R-091 to POTTR INT. Thence . . . .

. . . . turn left heading 060°. Expect radar vectors to appropriate transition. All aircraft maintain 5000 or assigned lower altitude. Expect clearance to filed altitude ten (10) minutes after departure.

BEECH TRANSITION (POTTR6.BEECH): From over FLL VOR/DME on FLL R-104 to BEECH INT. Thence as filed.

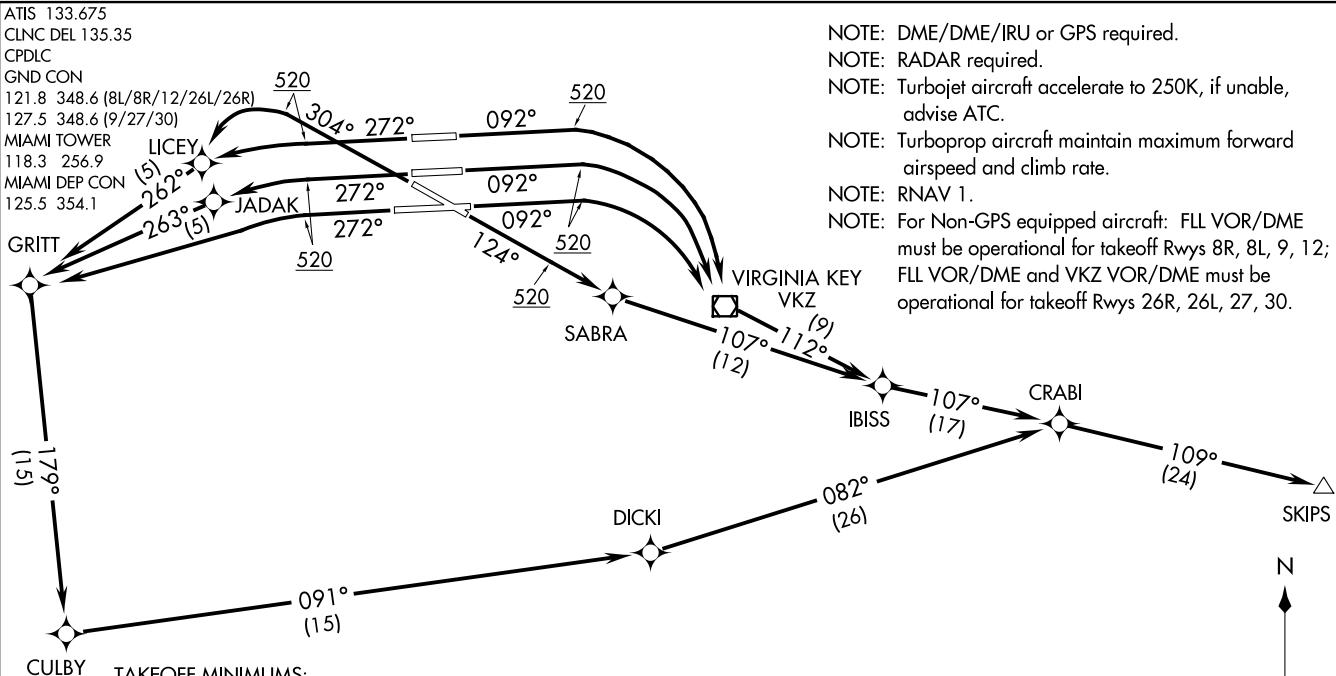
HEDLY TRANSITION (POTTR6.HEDLY): From over DRUUM DME FIX on PHK VOR/DME R-157 to HEDLY INT. Thence as filed.

PADUS TRANSITION (POTTR6.PADUS): From over VKZ VOR/DME on VKZ R-058 to JANUS INT and ZFP VOR/DME R-245 to PADUS INT. Thence as filed.

WINCO TRANSITION (POTTR6.WINCO): From over DHP VORTAC on DHP R-322 to WINCO INT. Thence as filed.

## TAKEOFF OBSTACLE NOTES:

- Rwy 8R: Tree 4064' from DER, 958' right of centerline, 93' AGL/112' MSL.  
Multiple powerlines, antennas and trees beginning 1856' from DER, 238' left of centerline, up to 150' AGL/153' MSL.  
Navaid and rod on OL GS 804' from DER, 500' right of centerline, 44' AGL/46' MSL.
- Rwy 9: Light on windsock 21' from DER, 437' right of centerline, 21' AGL/30' MSL.  
Pole 702' from DER, 600' right of centerline, 21' AGL/38' MSL.  
Antenna 4035' from DER, 1528' right of centerline, 108' AGL/125' MSL.  
Electrical system 1231' from DER, 785' left of centerline, 32' AGL/48' MSL.
- Rwy 12: Train 3' from DER, 436' right of centerline, 23' AGL/51' MSL.  
Antenna 2917' from DER, 1140' right of centerline, 89' AGL/106' MSL.  
Antenna on building 3164' from DER, 992' right of centerline, 91' AGL/108' MSL.  
Trees beginning 114' from DER, 117' right of centerline, up to 20' AGL/37' MSL.  
Sign 1191' from DER, 438' right of centerline, 32' AGL/49' MSL.  
Windsock 680' from DER, 345' left of centerline, 16' AGL/30' MSL.

SKIPS TWO DEPARTURE (RNAV)  
(SKIPS2.SKIPS) 30APR15

NOTE: DME/DME/IRU or GPS required.

NOTE: RADAR required.

NOTE: Turbojet aircraft accelerate to 250K, if unable, advise ATC.

NOTE: Turboprop aircraft maintain maximum forward airspeed and climb rate.

NOTE: RNAV 1.

NOTE: For Non-GPS equipped aircraft: FLL VOR/DME must be operational for takeoff Rwy 8R, 8L, 9, 12; FLL VOR/DME and VKZ VOR/DME must be operational for takeoff Rwy 26R, 26L, 27, 30.

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MIAMI INTL (MIA)  
MIAMI, FLORIDA(NARRATIVE ON FOLLOWING PAGE)  
(NOTES CONTINUED ON NEXT PAGE)NOTE: Chart not to scale.  
**TOP ALTITUDE:**  
**5000**



## DEPARTURE ROUTE DESCRIPTION

**TAKEOF****RUNWAY 8L/R, 9:** Climb heading 092° to 520, then right turn direct VKZ VOR/DME, then via depicted route to SKIPS, thence . . .

**TAKEOF****RUNWAY 12:** Climb heading 124° to 520, then direct SABRA, then via depicted route to SKIPS, thence . . .

**TAKEOF****RUNWAY 26R:** Climb heading 272° to 520, then left turn direct LICEY, then via depicted route to SKIPS, thence . . .

**TAKEOF****RUNWAY 26L:** Climb heading 272° to 520, then left turn direct JADAK, then via depicted route to SKIPS, thence . . .

**TAKEOF****RUNWAY 27:** Climb heading 272° to 520, then left turn direct GRITT, then left turn via track 179° to CULBY, then via depicted route to SKIPS, thence . . .

**TAKEOF****RUNWAY 30:** Climb heading 304° to 520, then left turn direct LICEY, then via depicted route to SKIPS, thence . . .

. . . . . maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

**TAKEOFF OBSTACLE NOTES:**

Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL. Glideslope antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL. Multiple towers and bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.

Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL. Antenna and multiple trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.

Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL. Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.

Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL. Building and tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL. Windsock 681' from DER, 345' left of centerline, 21' AGL/30' MSL.

Rwy 26R: Tower, building, multiple light poles and trees beginning 741' from DER, 1' right of centerline, up to 66' AGL/80' MSL. Pole, bldg, and tower beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.

Rwy 26L: Tower and multiple trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and light pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.

Rwy 27: Railroad, tree, and multiple light poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.

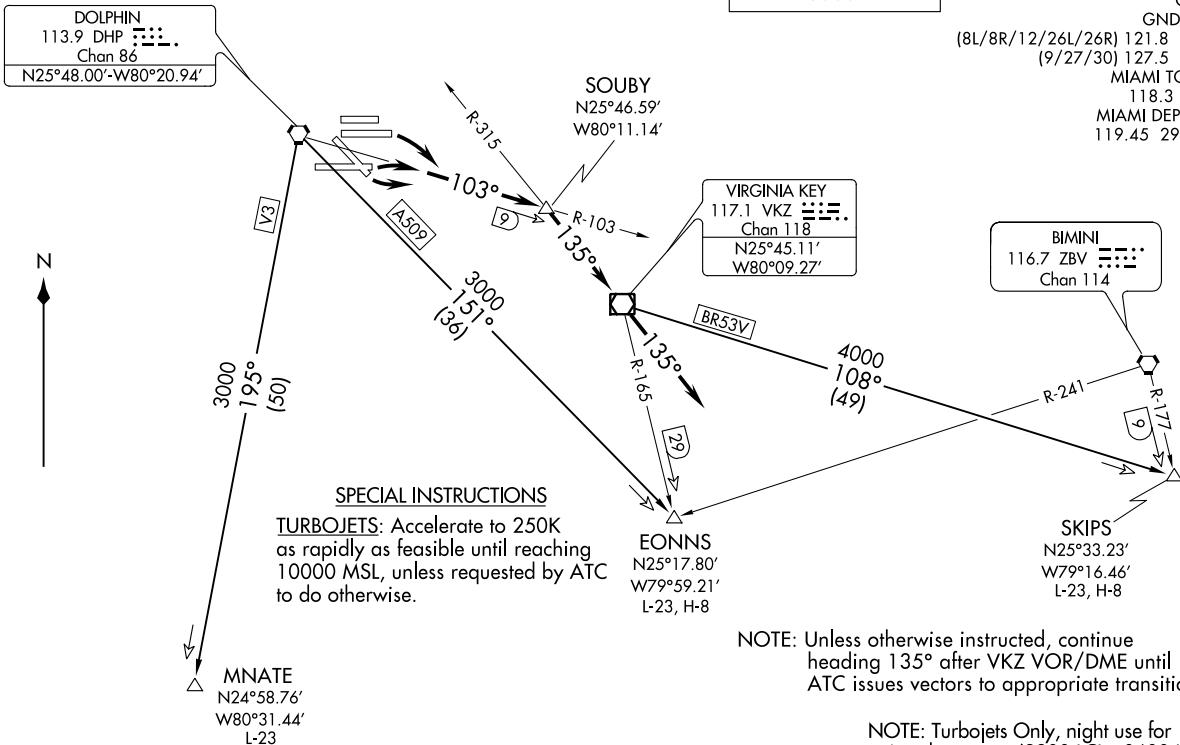
Rwy 30: Pole, multiple towers and trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.

(SOUBY5.SOUBY) 16259  
SOUBY FIVE DEPARTURE

SI-257 (FAA)

MIAMI INTL (MIA)  
MIAMI, FLORIDA

ATIS 133.675  
CLNC DEL 135.35  
CPDLC  
GND CON  
(8L/8R/12/26L/26R) 121.8 348.6  
(9/27/30) 127.5 348.6  
MIAMI TOWER  
118.3 256.9  
MIAMI DEP CON  
119.45 290.325

TOP ALTITUDE:  
5000SOUBY FIVE DEPARTURE  
(SOUBY5.SOUBY) 30APR15(NARRATIVE ON FOLLOWING PAGE)  
(NOTES CONTINUED ON FOLLOWING PAGE)MIAMI INTL (MIA)  
MIAMI, FLORIDA

NOTE: Chart not to scale.

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## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8R, 9: Turn right. Thence. . . .

TAKEOFF RUNWAY 12: Turn left. Thence. . . .

. . . . intercept DHP R-103 to SOUBY INT/DHP 9 DME, then turn right to VKZ R-315 to VKZ VOR/DME. Thence to heading 135°. Expect radar vectors to appropriate transition. All aircraft maintain 5000' or assigned lower altitude. Expect further clearance to filed altitude ten minutes after departure. Unless otherwise assigned, departure frequency for SKIPS, EONNS, and MNATE transitions use 125.5.

EONNS TRANSITION (SOUBY5.EONNS): Intercept the DHP VORTAC R-151 to EONNS INT. Thence as filed.

MNATE TRANSITION (SOUBY5.MNATE): Intercept the DHP VORTAC R-195 to MNATE DME FIX. Thence as filed.

SKIPS TRANSITION (SOUBY5.SKIPS): Intercept the VKZ VOR/DME R-108 to SKIPS INT. Thence as filed.

### TAKEOFF OBSTACLE NOTES:

- Rwy 8R: Tree 4064' from DER, 958' right of centerline, 93' AGL/112' MSL.  
Multiple powerlines, antennas and trees beginning 1856' from DER,  
238' left of centerline, up to 150' AGL/153' MSL.  
Navaid and rod on OL GS 804' from DER, 500' right of centerline, 44' AGL/46' MSL.
- Rwy 9: Light on windsock 21' from DER, 437' right of centerline, 21' AGL/30' MSL.  
Pole 702' from DER, 600' right of centerline, 21' AGL/38' MSL.  
Antenna 4035' from DER, 1528' right of centerline, 108' AGL/125' MSL.  
Electrical system 1231' from DER, 785' left of centerline, 32' AGL/48' MSL.
- Rwy 12: Train 3' from DER, 436' right of centerline, 23' AGL/51' MSL.  
Antenna 2917' from DER, 1140' right of centerline, 89' AGL/106' MSL.  
Antenna on building 3164' from DER, 992' right of centerline, 91' AGL/108' MSL.  
Trees beginning 114' from DER, 117' right of centerline, up to 20' AGL/37' MSL.  
Sign 1191' from DER, 438' right of centerline, 32' AGL/49' MSL.  
Windsock 680' from DER, 345' left of centerline, 16' AGL/30' MSL.

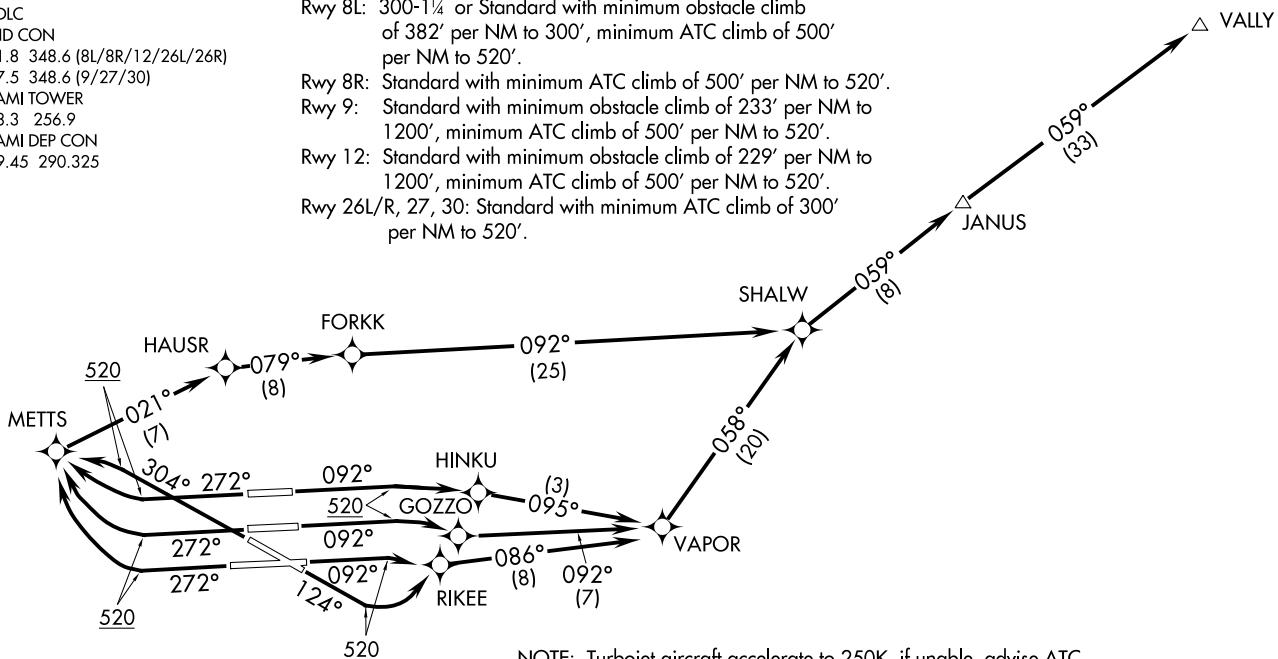
**TOP ALTITUDE:**  
**5000**

## VALLY TWO DEPARTURE (RNAV) (VALLY2,VALLY) 30SEP15

ATIS 133.675  
CLNC DEL 135.35  
CPDLC  
GND CON  
121.8 348.6 (BL/8R/12/26L/26R)  
127.5 348.6 (9/27/30)  
MIAMI TOWER  
118.3 256.9  
MIAMI DEP CON  
119.45 290.325

### TAKEOFF MINIMUMS:

Rwy 8L: 300-1¼ or Standard with minimum obstacle climb of 382' per NM to 300', minimum ATC climb of 500' per NM to 520'.  
 Rwy 8R: Standard with minimum ATC climb of 500' per NM to 520'.  
 Rwy 9: Standard with minimum obstacle climb of 233' per NM to 1200', minimum ATC climb of 500' per NM to 520'.  
 Rwy 12: Standard with minimum obstacle climb of 229' per NM to 1200', minimum ATC climb of 500' per NM to 520'.  
 Rwy 26L/R, 27, 30: Standard with minimum ATC climb of 300' per NM to 520'.



NOTE: Turbojet aircraft accelerate to 250K, if unable, advise ATC.

NOTE: Turboprop aircraft maintain maximum forward airspeed and climb rate.

NOTE: DME/DME/IRU or GPS required.

NOTE: RADAR required

NOTE: RNAV 1.

(NARRATIVE ON FOLLOWING PAGE)  
(NOTES CONTINUED ON NEXT PAGE)

NOTE: Chart not to scale.

## DEPARTURE ROUTE DESCRIPTION

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TAKEOFF RUNWAY 8L: Climb heading 092° to 520, then right turn direct HINKU, then via depicted route to VALLY, thence . . .

TAKEOFF RUNWAY 8R: Climb heading 092° to 520, then right turn direct GOZZO, then via depicted route to VALLY, thence . . .

TAKEOFF RUNWAY 9: Climb heading 092° to 520, then right turn direct RIKEE, then via depicted route to VALLY, thence . . .

TAKEOFF RUNWAY 12: Climb heading 124° to 520, then left turn direct RIKEE, then via depicted route to VALLY, thence . . .

TAKEOFF RUNWAY 26L/R, 27: Climb heading 272° to 520, then right turn direct METTS, then via depicted route to VALLY, thence . . .

TAKEOFF RUNWAY 30: Climb heading 304° to 520, then left turn direct METTS, then via depicted route to VALLY, thence . . .

. . . maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

TAKEOFF OBSTACLE NOTES:

Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL.

Glideslope antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL.

Multiple towers and bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.

Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL.

Antenna and multiple trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.

Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL.

Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.

Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL.

Building and tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL. Windsock 681' from DER, 345' left of centerline, 21' AGL/30' MSL.

Rwy 26R: Tower, building, multiple light poles and trees beginning 741' from DER, 1' right of centerline, up to 66' AGL/80' MSL. Pole, bldg, and tower beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.

Rwy 26L: Tower and multiple trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and light pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.

Rwy 27: Railroad, tree, and multiple light poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.

Rwy 30: Pole, multiple towers and trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.

**WINCO TWO DEPARTURE (RNAV)**MIAMI INTL (MIA)  
MIAMI, FLORIDA

ATIS 133.675  
 CLNC DEL 135.35  
 CPDLC  
 GND CON  
 121.8 348.6(8L/8R/12/26L/26R)  
 127.5 348.6(9/27/30)  
 MIAMI TOWER  
 118.3 256.9  
 MIAMI DEP CON  
 119.45 290.325

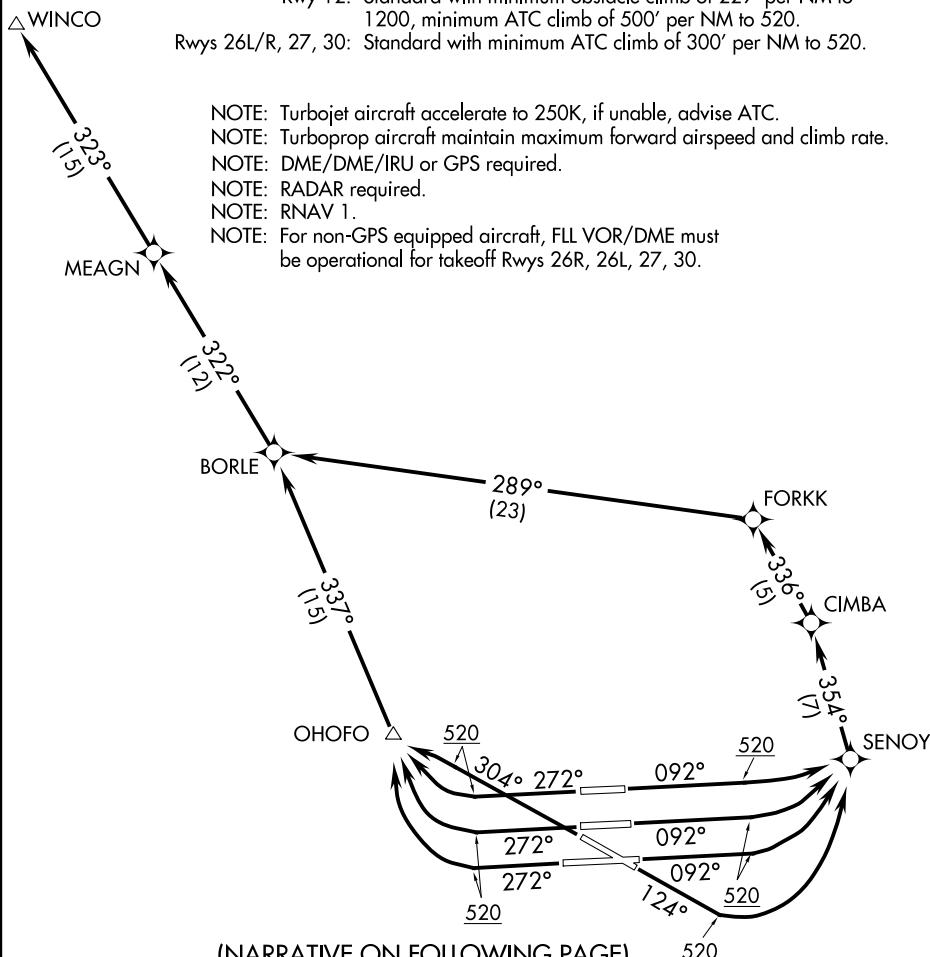
**TOP ALTITUDE:**  
**5000**
**TAKEOFF MINIMUMS**

Rwy 8L: 300-1¼ or Standard with minimum obstacle climb of 382' per NM to 300, minimum ATC climb of 500' per NM to 520.

Rwys 8R, 9: Standard with minimum ATC climb of 500' per NM to 520.

Rwy 12: Standard with minimum obstacle climb of 229' per NM to 1200, minimum ATC climb of 500' per NM to 520.

Rwys 26L/R, 27, 30: Standard with minimum ATC climb of 300' per NM to 520.



NOTE: Chart not to scale.



## DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWYS 8L/R, 9: Climb heading 092° to 520, then left turn direct SENOY, then via depicted route to WINCO, thence. . . .

TAKEOFF RWY 12: Climb heading 124° to 520, then left turn direct SENOY, then via depicted route to WINCO, thence. . . .

TAKEOFF RWYS 26L/R, 27: Climb heading 272° to 520, then right turn direct OHOFO, then via depicted route to WINCO, thence. . . .

TAKEOFF RWY 30: Climb heading 304° to 520, then left turn direct OHOFO, then via depicted route to WINCO, thence. . . .

. . . . maintain 5000 or ATC assigned altitude. Expect further clearance to filed altitude within 10 minutes after departure.

TAKEOFF OBSTACLE NOTES:

- Rwy 8L: Bldg 3391' from DER, 1024' left of centerline, 160' AGL/172' MSL.  
Glideslope antenna 804' from DER, 501' right of centerline, 32' AGL/46' MSL.  
Multiple towers and bldgs beginning 1350' from DER, 691' left of centerline, up to 150' AGL/164' MSL.
- Rwy 8R: Tree 4064' from DER, 959' right of centerline, 98' AGL/112' MSL.  
Antenna and multiple trees beginning 2719' from DER, 194' left of centerline, up to 85' AGL/98' MSL.
- Rwy 9: Light 1232' from DER, 785' left of centerline, 39' AGL/48' MSL.  
Windsock 22' from DER, 438' right of centerline, 21' AGL/30' MSL.
- Rwy 12: Railroad beginning 4' from DER, 356' right of centerline, 23' AGL/28' MSL.  
Building and tree beginning 1064' from DER, 118' right of centerline, up to 94' AGL/108' MSL. Windsock 681' from DER, 345' left of centerline, 21' AGL/30' MSL.
- Rwy 26R: Tower, building, multiple light poles and trees beginning 741' from DER, 1' right of centerline, up to 66' AGL/80' MSL. Pole, bldg, and tower beginning 255' from DER, 5' left of centerline, up to 34' AGL/48' MSL.
- Rwy 26L: Tower and multiple trees beginning 1306' from DER, 638' right of centerline, up to 63' AGL/77' MSL. Tree and light pole beginning 1773' from DER, 568' left of centerline, up to 61' AGL/75' MSL.
- Rwy 27: Railroad, tree, and multiple light poles beginning 750' from DER, 94' left of centerline, up to 62' AGL/76' MSL.
- Rwy 30: Pole, multiple towers and trees beginning 1414' from DER, 189' right of centerline, up to 120' AGL/125' MSL. Tree 2058' from DER, 785' left of centerline, 52' AGL/66' MSL.