

**NOISE ABATEMENT PROCEDURES****Covington, KY, Cincinnati/Northern Kentucky Intl Airport (CVG)**

Successive or simultaneous departures from Runways 18L and 18R are authorized, with course divergence beginning no further than 2 miles from the departure end of parallel runways, due to noise abatement restrictions.

**CONTROLLED FIRING AREA****Milan, Tennessee**

Controlled Firing Area 5 NM radius 2500' & blo of MKL 030/018, eff. Mon–Fri 1200–2300Z†, Sat 1530–2230Z† Sun 1230–1700Z†.

**HELICOPTER ACTIVITY****Mosby Army Heliport, Dahlonega, GA Area**

Occasional military helicopter activity within 15NM radius of Mosby AHP, (34°37' N/84°06' W) SFC to 3700 MSL. Activity includes: flight formations, personnel transport operations, cargo para-drop operations (below 500 AGL), medical evacuation and night vision device training. CTAF 227.2, 139.3, "Mountain Ranger 08" FM 34.10. Staff Duty Officer, Camp Frank D. Merrill, (706) 864–3367.

**NIGHT VISION LIGHTS OUT OPERATIONS****North Carolina, South Carolina**

Military helicopter activity will be conducted for Night Vision Lights Out Training in North Carolina and South Carolina. Position lights will be extinguished or greatly reduced in intensity. The training is conducted in areas of low air traffic and not within four (4) miles of a public use airport. Training is IAW exemption to Far Part 91.

Boundaries: Beginning at Lat 35°41' N, Lon 78°30' W; to Lat 34°00' N, Lon 78°30' W; to Lat 34°00' N, Lon 80°00' W; to Lat 36°00' N, Lon 80°30' W; to point of beginning.

Times of use: Sunset to sunrise, daily.

**HELICOPTER ACTIVITY****Camp Blanding, Starke, Florida Area**

Heavy military helicopter activity within 9 NM radius Blanding AAF, (29°57' 7.84"N; 81°58' 47.32"W). Surface to 1,500 feet. Activity includes: flight formations, personnel transport operations, sling loads, MED VAC, and night vision goggle training. Mon–Sat 1300–0500Z†, 1300–2000Z† Sun. Blanding Twr 123.0 by NOTAM, other times Range Control 123.0. (904) 533–3113/3352.

**CUBAN FLIGHT ADVISORY****(Until Further Notice)**

The Federal Aviation Administration has been informed that an official Cuban government publication has issued a warning that Cuban Armed Forces will shoot down any aircraft that penetrates Cuban Airspace illegally and refuses to obey an order to land for inspection.

All pilots should take note: use extreme caution in the area of Cuban Airspace; adhere strictly to Cuban requirements for overflight of their territory.

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**LASER LIGHT DEMONSTRATIONS****Lake Buena Vista, Florida**

A permanent laser light demonstration will be conducted at Walt Disney World - Hollywood Studios, Lake Buena Vista, Florida. Multiple lasers within a 0.5 NM radius of (ORL 227 radial, 16 NM, LAT 28°21'41"N, LON 81°33'30"W), from 6:00 PM until 5:00 AM daily. The beam may be injurious to eyes if viewed within 200 feet vertically and/or 700 feet laterally of the light source. Flash blindness or cockpit illumination may occur beyond these distances.

**Lake Buena Vista, Florida**

A permanent laser light demonstration will be conducted at Walt Disney World - Epcot World Showcase Lagoon, Lake Buena Vista, Florida. Multiple lasers within a 1 NM radius of (ORL 228 radial, 15.3 NM, LAT 28°22'12"N, LON 81°32'58"W), from 6:00 PM until 5:00 AM daily. The beam may be injurious to eyes if viewed within 1,500 feet vertically and/or 6,000 feet laterally of the light source. Flash blindness or cockpit illumination may occur beyond these distances.

**Lake Buena Vista, Florida**

A permanent laser light demonstration will be conducted at Walt Disney World - Animal Kingdom Asia Lagoon, Lake Buena Vista, Florida. Multiple lasers within a 1 NM radius of (ORL 231 radial, 17.4 NM, LAT 28°21'28"N, LON 81°35'20"W), from 6:00 PM until 5:00 AM daily. The beam may be injurious to eyes if viewed within 1,900 feet vertically and/or 4,100 feet laterally of the light source. Flash blindness or cockpit illumination may occur beyond these distances.

**Miami, Florida**

A permanent laser light demonstration will be conducted at Bayfront Park, Miami, Florida (VKZ 312 radial, 2.24 NM, Lat 25°46'41"N, Lon 80°11'12"W), from 8:00 p.m. until 12:00 a.m. until further advised. The laser light beam is not expected to elevate above the horizon from a 90 foot high platform. Laser light beam may be injurious to eyes if viewed within 4,400 feet laterally of the light source. Cockpit illumination—flash blindness may occur beyond these distances.

**Miami Beach, Florida**

A permanent Laser Light Demonstration will be conducted at the Amnesia Club, located in Miami Beach, Florida, Lat 25°46"N/Long 80°08"W, nightly from dusk until 2 AM.

Laser Light beam may be injurious to eyes if viewed within 3,500 feet vertically and/or 2,000 feet laterally of the light source. Cockpit illumination—flash blindness may occur beyond these distances.

**Orlando, Florida**

A laser light demonstration will be conducted at Sea World of Florida, Orlando, Florida (ORL 220 radial, 11 NM, Lat 27°24'N, Long 81°27'W), from 6:30 pm until 12:00 am, until further advised. The beam may be injurious to eyes if viewed within 5000 feet vertically and/or 6500 feet laterally of the light source. Flash blindness or cockpit illumination may occur beyond these distances.

**Decatur, Georgia**

Laser light activity will be conducted at Agnes Scott College, Decatur, GA located at Lat 33° 45' 55"N/Long 84° 17' 39"W (ATL 041° radial, 11 NM), intermittent daily, at an angle of 90 degrees from the surface, projecting up to 14,036 feet, until further notice. Flash blindness or cockpit illumination may occur beyond these distances.

**Clemson, South Carolina**

A permanent laser light demonstration will be conducted at Clemson University, Clemson, South Carolina, ELW VORTAC 353R/18NM, from dusk until dawn, daily.

Laser light beam may be injurious to eyes if viewed within 3,500 feet laterally and/or 3,500 feet vertically of the light source. Flash blindness or cockpit illumination may occur beyond these distances.

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**MEMPHIS, TN****Memphis Intl Airport (MEM) Noise Abatement Procedures**

Successive or simultaneous departures from Runways 18L and 18R are authorized, with course divergence beginning no later than 2 miles from the departure end of parallel runways, due to noise abatement restrictions.

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**NASHVILLE, TN****Nashville Intl Airport (BNA) Noise Abatement Procedures**

Successive or simultaneous departures from Runways 20L and 20R are authorized, with course divergence beginning within 1 mile of the departure end of parallel runways, due to noise abatement restrictions.

**INDIANAPOLIS ARTCC****Nabb, Indiana Area – New Hope, London – Lexington Kentucky Area**

Indianapolis Center has installed frequencies in the southern portion of their airspace that require 720-channel radio capability.

Pilots should be aware that if they fly in the Nabb, IN, or the New Hope, London, and Lexington, KY, area without a 720-channel radio, ATC services will be greatly reduced. Traffic advisories, weather information, airport information, along with any other direct communication services will not be available.

While in this area of Indianapolis Center, pilots without 720-channel capability will, in most cases, monitor Flight Service Stations. There will be a noticeable delay in all clearance activity. Please ensure that ATC has adequate lead time in the event of problems or clearance requirements.

**HELICOPTER ACTIVITY ORLANDO, FL AREA.**

Heavy helicopter activity over the Disney attractions, Sea World, Universal Studios, Bay Hill and surrounding area. Surface to 1000' MSL. Operations 24 hours daily. Helicopters, transmitting and receiving on 123.02.

**CAUTION-TETHERED AEROSTAT RADAR SYSTEM (TARS)**

A TARS (a large helium-filled balloon) operates continuously up to 14,000 feet, except during inclement weather or when the system is down for maintenance, in R-2916 at Cudjoe Key, Florida. The tether is unmarked and is virtually impossible to see from only a few hundred feet. See the Miami Sectional Chart for location.

**SPECIAL NORTH ATLANTIC, CARIBBEAN AND PACIFIC AREA COMMUNICATIONS**

VHF air-to-air frequencies enable aircraft engaged in flights over remote and oceanic areas out of range of VHF ground stations to exchange necessary operational information and to facilitate the resolution of operational problems.

Frequencies have been designated as follows:

North Atlantic area:	123.45 MHz
Caribbean area:	123.45 MHz
Pacific area:	123.45 MHz

**ST. PETERSBURG, FLORIDA**

Pilots planning to overfly the St. Petersburg VORTAC (PIE) below 13,000 feet MSL should file via the Lakeland VORTAC (LAL) between 1100 and 2300 UTC.

**GEORGIA**

Atlanta Tower: Low altitude airway structure in proximity of the Hartsfield-Jackson Atlanta Intl Airport is aligned to provide bypass routes for traffic overflying Atlanta. To avoid heavy concentration of high performance and wide-bodied aircraft, pilots should file for airways beyond 35 nautical miles from Atlanta VOR. Aircraft operating IFR below 15,000 MSL, via airways within 35 nautical miles of Atlanta VOR may expect altitude changes and/or rerouting between the hours 0830 and 2100 local.

**MILITARY TRAINING ROUTES**

The DOD Flight Information Publication AP/1B provides textual and graphic descriptions and operating instructions for all military training routes (IR, VR, SR) and refueling tracks/anchors. Complete and more comprehensive information relative to policy and procedures for IRs and VRs is published in FAA Handbook 7610.4 (Special Military Operations) which is agreed to by the DOD and therefore directive for all military flight operations. The AP/1B is the official source of route data for military users.

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**CIVIL USE OF MILITARY FIELDS:**

U.S. Army, Air Force, Navy and Coast Guard Fields are open to civil fliers only in emergency or with prior permission.

Army Installations, prior permission is required from the Commanding Officer of the installation.

For Air Force installations, prior permission should be requested at least 30 days prior to first intended landing from either Headquarters USAF (PRPOC) or the Commander of the installation concerned (who has authority to approve landing rights for certain categories of civil aircraft). For use of more than one Air Force installation, requests should be forwarded direct to Hq USAF (PRPOC), Washington, D.C. 20330.

Use of USAF installations must be specifically justified.

For Navy and Marine Corps installations prior permission should be requested at least 30 days prior to first intended landing. An Aviation Facility License must be approved and executed by the Navy prior to any landing by civil aircraft.

Forms and further information may be obtained from the nearest U.S. Navy or Marine Corps aviation activity.

For Coast Guard fields prior permission should be requested from the Commandant, U.S. Coast Guard via the Commanding Officer of the field.

When instrument approaches are conducted by civil aircraft at military airports, they shall be conducted in accordance with the procedures and minimums approved by the military agency having jurisdiction over the airport.

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**AIRCRAFT RESTRICTIONS**  
**Boca Raton Airport (BCT), Florida**

On initial contact, pilot should advise local Air Traffic Control Tower or announce on local Unicom frequency if aircraft has greater than 79 feet wingspan and/or greater than 140 knot approach speed. Aircraft with wingspan greater than 79 feet and/or an approach speed greater than 140 knots are prohibited from using Runway 5/23 while aircraft with wingspan greater than 79 feet occupies Taxiway B. Aircraft with a wingspan greater than 79 feet must remain clear of Taxiway B while aircraft with a wingspan greater than 79 feet are approaching or departing Runway 5/23.

Office of Primary Responsibility (OPR): Boca Raton Airport Authority

Contact Information: (561) 391-2202

Amended: January 2024

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**AIRCRAFT LANDING RESTRICTIONS**

Landing of aircraft at locations other than public use airports may be a violation of Federal or local law. All land and water areas are owned or controlled by private individuals or organizations, states, cities, local governments, or U.S. Government agencies. Except in emergency, prior permission should be obtained before landing at any location that is not a designated public use airport or seaplane base.

Landing of aircraft is prohibited on lands or waters administered by the National Park Service, U.S. Fish and Wildlife Service, U.S. Forest Service, and on many areas controlled by the U.S. Army Corps of Engineers, unless prior authorization is obtained from the respective agency.

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**FEDERAL AVIATION REGULATION 91.713**

The provisions of FAR 91.713 will apply as follows:

Air traffic clearances to aircraft of Cuban registry not engaged in scheduled International Air Service in U.S. airspace will require that the flight plan be filed with appropriate authorities at least five days prior to the proposed departure time. Route changes while en route will normally not be authorized. The procedures set forth herein do not apply at this time to overflights by aircraft of Cuban registry engaged in scheduled International Air Service.

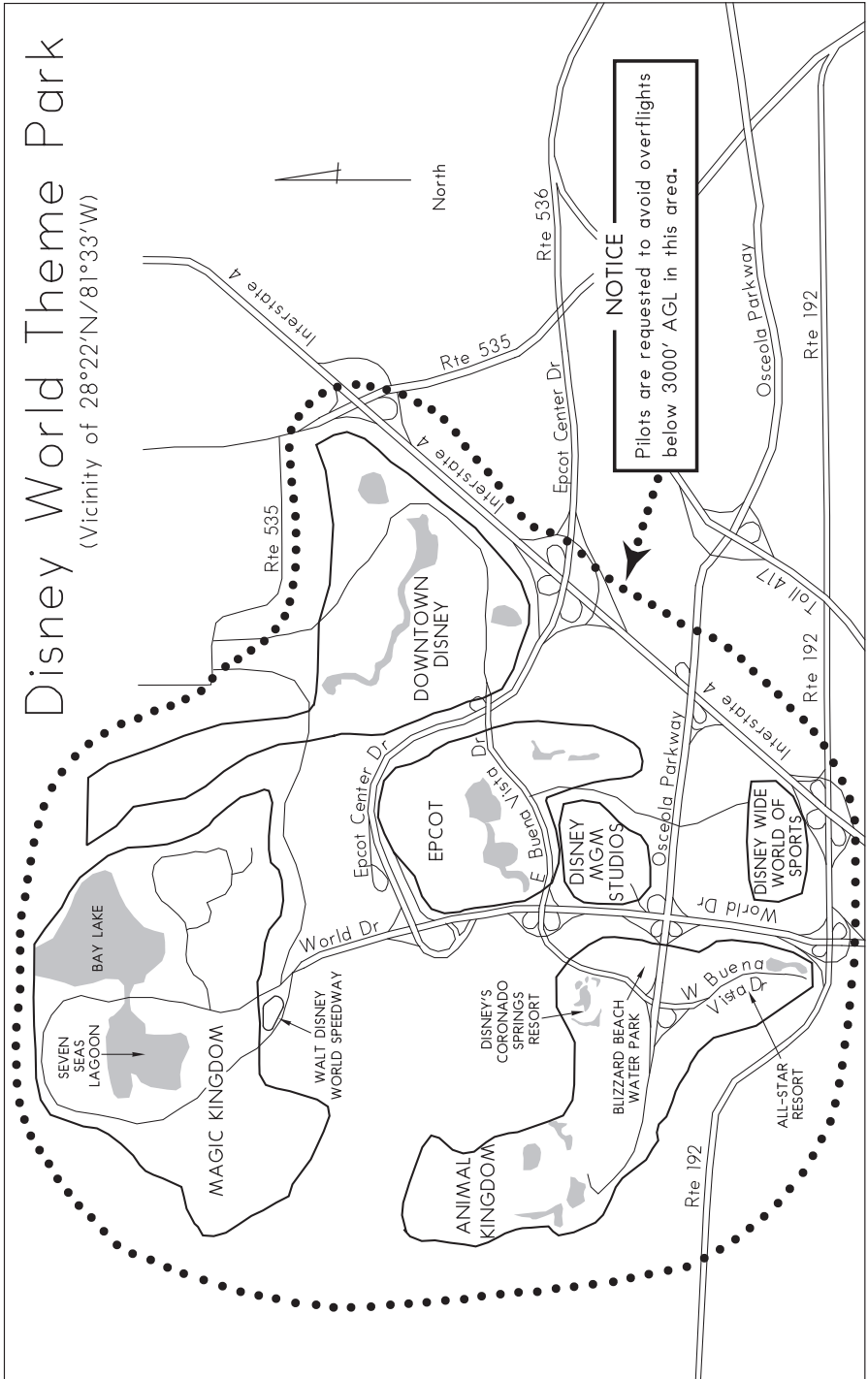
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**CAUTION—HIGH DENSITY AIR TRAFFIC AREA**

Heavy helicopter and seaplane traffic exists over the Gulf of Mexico and adjacent onshore areas. Thousands of operations per month occur in this area in support of oil drilling and exploration.

Itinerant pilots traversing this area should familiarize themselves with offshore operating practices and frequencies through contact with the pertinent Flight Standards District Office (FSDO) or Flight Service Station.

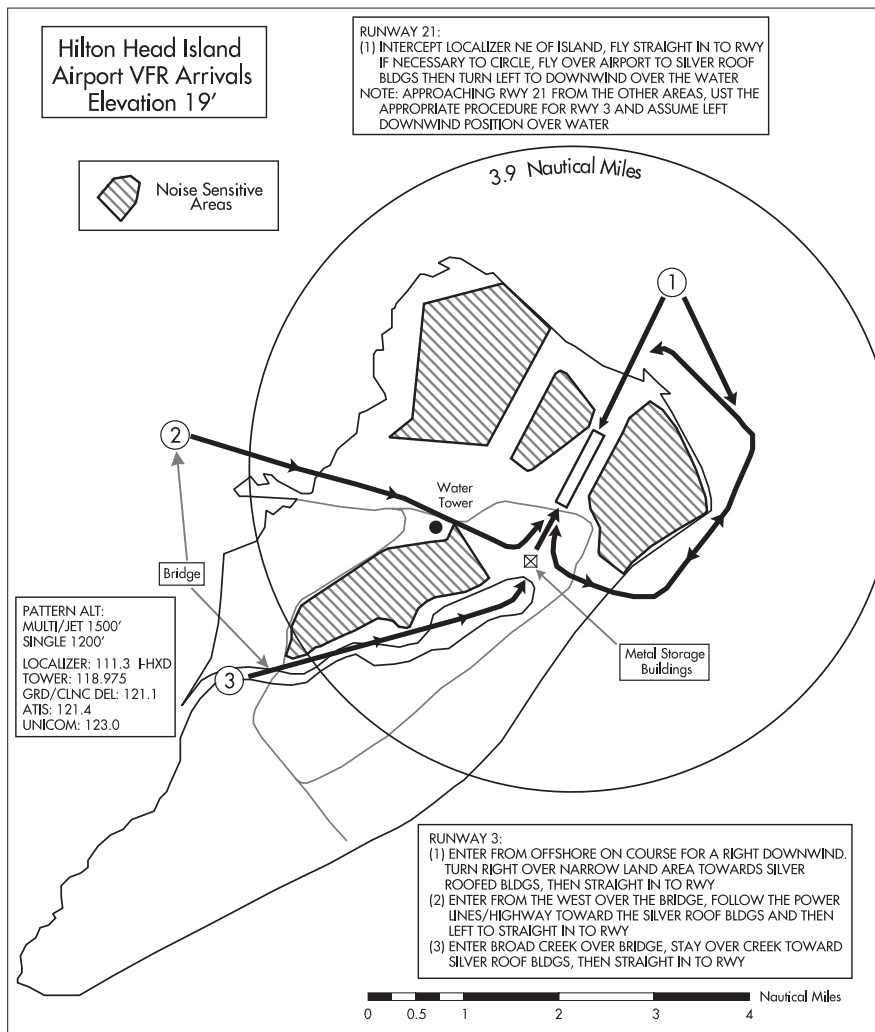
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**DISNEY WORLD THEME PARK**

**Notice**

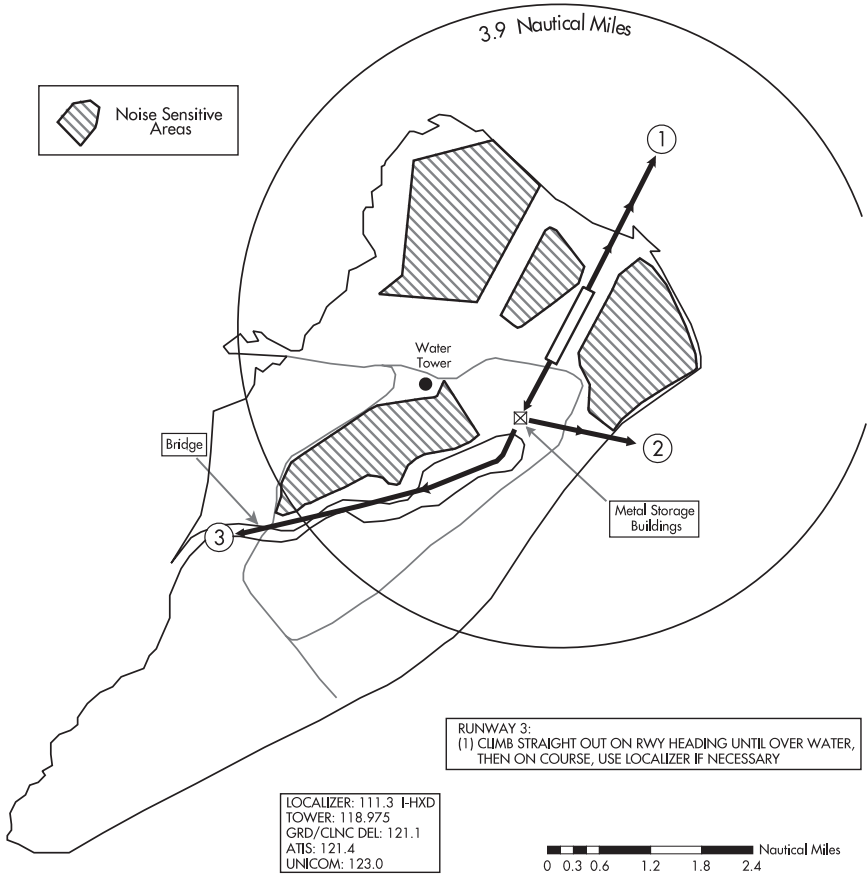
Pursuant to Public Law 108-199, Section 521, aircraft flight operations are prohibited at and below 3,000 feet AGL within a 3 nautical mile radius of the Disney World Theme Park (282445N/081342W or the Orlando (ORL) VORTAC 238 degree radial at 14.8 nautical miles). This restriction does not apply to: (A) those aircraft authorized by ATC for operational or safety purposes, including aircraft arriving or departing from an airport using standard air traffic procedures; (B) Department of Defense, law enforcement, or aeromedical flight operations that are in contact with ATC; Those who meet any of the following criteria may apply for a waiver to these restrictions: (A) for operational purposes of the venue, including the transportation of equipment or officials of the governing body; (b) for safety and security purposes of the venue.



Hilton Head Island  
Airport VFR Departures  
Elevation 19'

RUNWAY 21:  
FLY RUNWAY HEADING UNTIL OVER THE SILVERROOF BLDGS, THEN:  
(2) TURN LEFT TO PROCEED OVER THE SHORELINE TO DEPART OVER WATER  
(3) CONTINUE OVER BROAD CREEK TO THE BRIDGE BEFORE TURNING ON COURSE

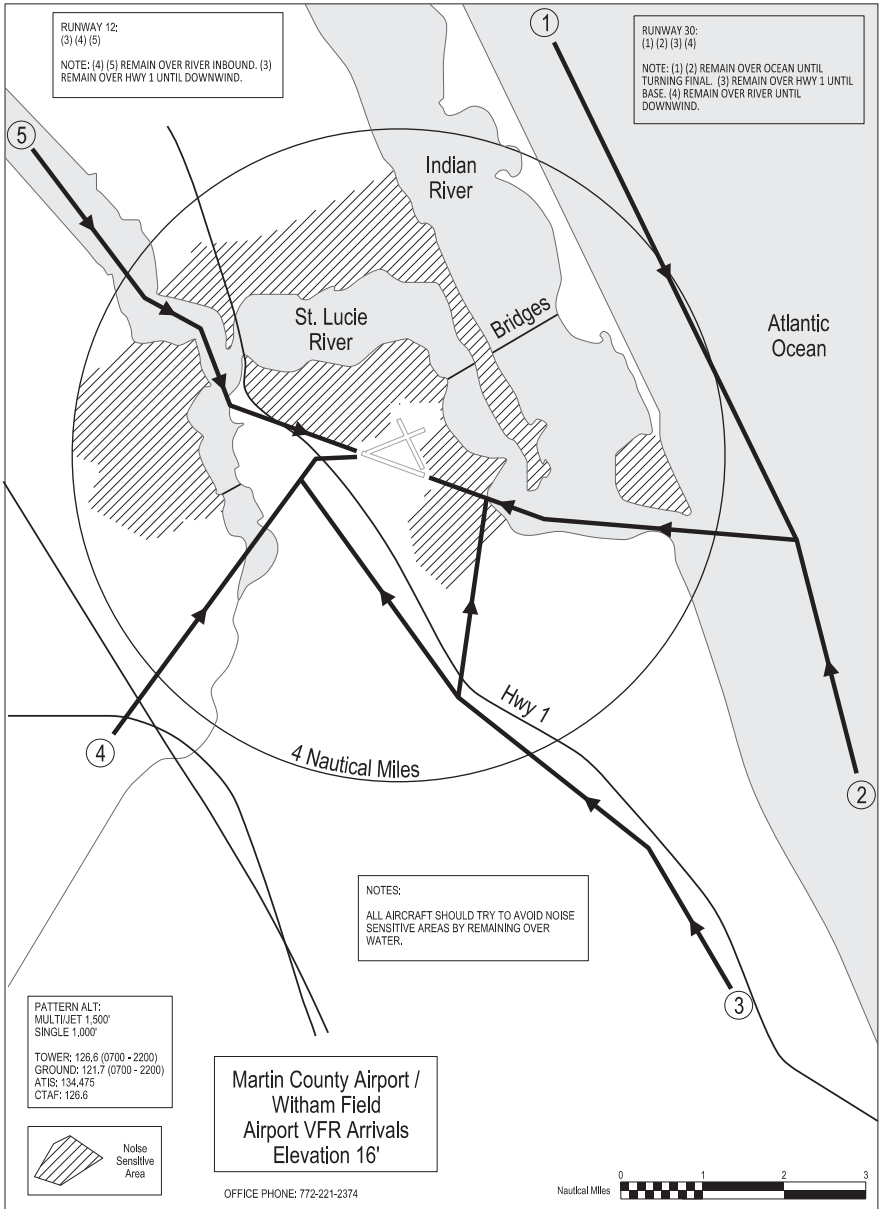
 Noise Sensitive Areas



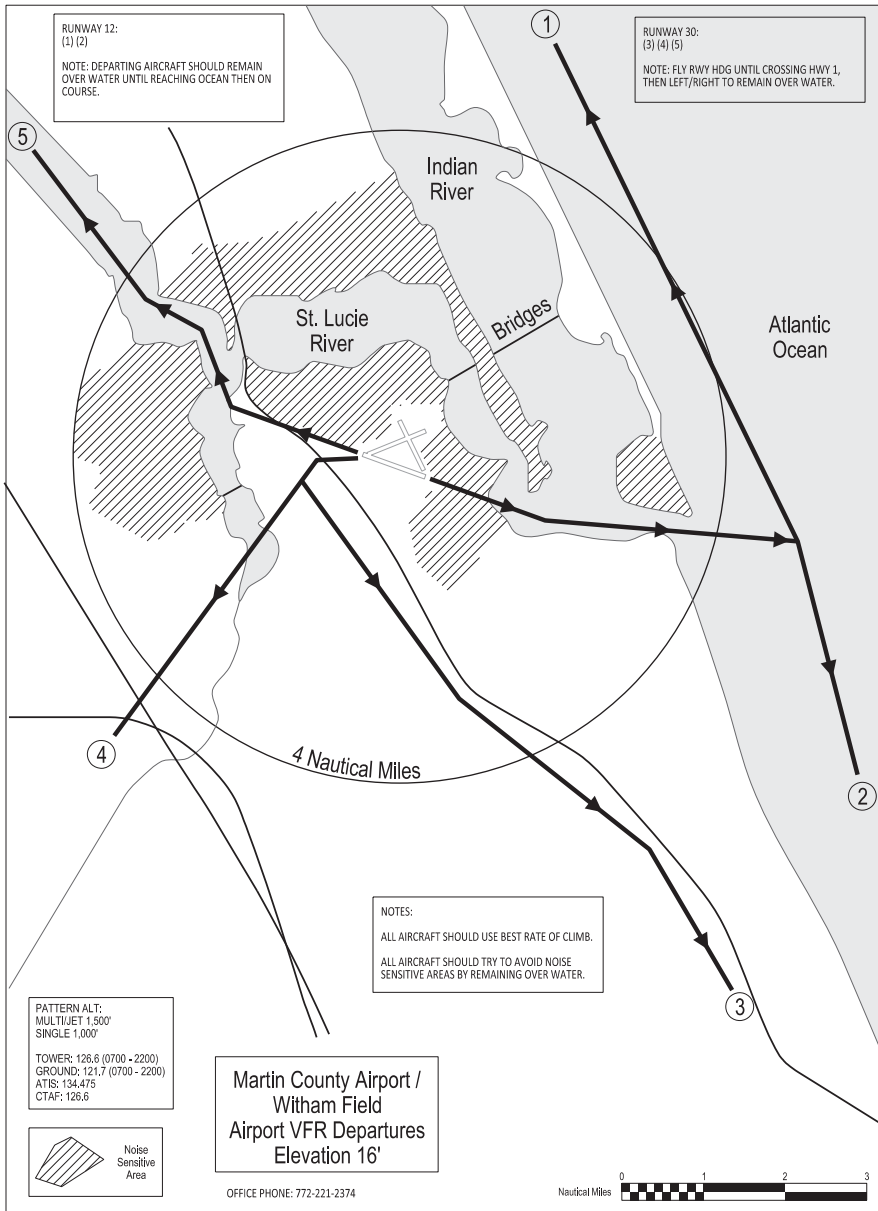
RUNWAY 3:  
(1) CLIMB STRAIGHT OUT ON RWY HEADING UNTIL OVER WATER,  
THEN ON COURSE, USE LOCALIZER IF NECESSARY

LOCALIZER: 111.3 HXD  
TOWER: 118.975  
GRD/CLNC DEL: 121.1  
ATIS: 121.4  
UNICOM: 123.0

 Nautical Miles  
0 0.3 0.6 1.2 1.8 2.4







# BOWMAN FIELD

LOUISVILLE, KY

## TERMINAL AREA GRAPHIC NOTICE

(Not to be used for navigation)

Bowman Airport VFR Departure Procedure.

“AIR DEVIL DEPARTURE”

PILOTS SHOULD SPECIFICALLY REQUEST THIS PROCEDURE USING THE ABOVE NAME

ATIS ..... 124.15  
CLNC DEL ..... 118.9  
GND CON ..... 121.8  
BOWMAN TOWER.. 119.5  
DEP CON ..... 132.075



Within 1.5 miles of Bowman (LOU) Airport, turn to the heading assigned by LOU ATCT. Maintain VFR at or below 2500 feet. Expect IFR activation and climb within 10 minutes after departure.

WEATHER MINIMUMS: Ceiling 3000 and visibility 3 miles.

NOTE: Receipt of a clearance to climb above 2500 feet from Louisville Departure Control constitutes activation of IFR clearance upon leaving 2500 feet.

HOLLYWOOD/NORTH PERRY (HWO)  
HOLLYWOOD, FL

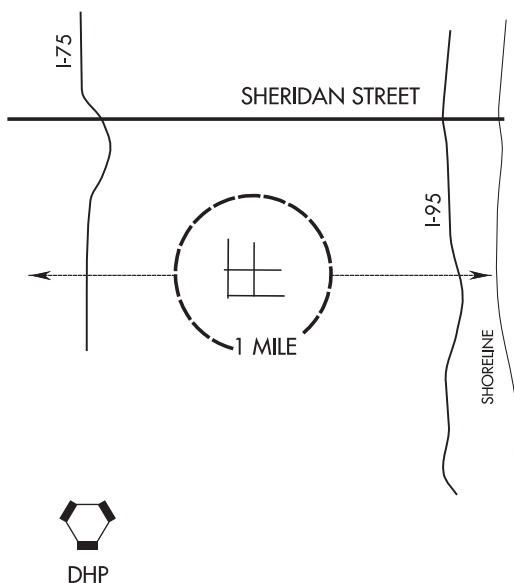
TERMINAL AREA GRAPHIC NOTICE

(Not to be used for navigation)

Hollywood/North Perry Airport all Runways VFR Departure Procedure.

"SHERIDAN/SHORELINE DEPARTURE"

PILOTS SHOULD SPECIFICALLY REQUEST THIS PROCEDURE USING THE ABOVE NAME.



ATIS 135.475  
MIAMI APPROACH CONTROL 128.6  
NORTH PERRY TOWER 132.1  
GROUND CONTROL 120.45

Turn left or right as the tower assigned and remain within 1 mile from HWO airport. Proceed west/eastbound and remain south of Sheridan Street VFR at or below 1600'. Expect IFR activation and climb crossing I-75/I95 (4.5 miles west/east of HWO) or the DHP 360R or the shoreline.

WEATHER MINIMUMS: Ceiling 2000 and visibility 3 miles.

NOTE: Receipt of a clearance to climb and maintain an altitude above 1600' constitutes activation of IFR clearance.

ORLANDO SANFORD INTERNATIONAL (SFB)  
SANFORD, FL

TERMINAL AREA GRAPHIC NOTICE  
(Not to be used for navigation)

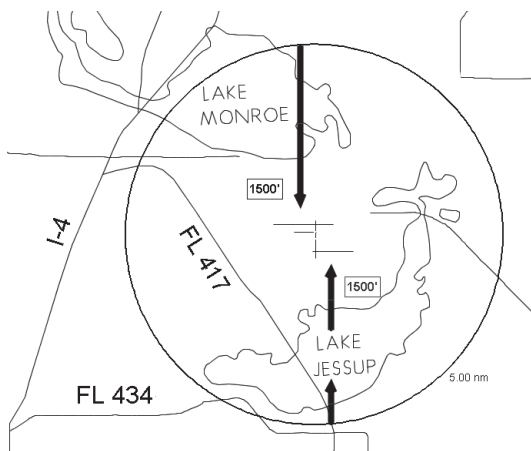
Sanford Airport VFR Arrival Procedures.

“MONROE VFR ARRIVAL”

Contact Orlando APP on 135.3 to request arrival. Proceed to a point 5 NM due north of SFB (Northeast shore of Lake Monroe). Then proceed southbound across the lake to enter a midfield downwind for runway 9L/27R as assigned. Maintain 1500' until advised by SFB ATCT.

“JESSUP VFR ARRIVAL”

Contact Orlando APP on 135.3 if southeast of SFB, or 119.77 if southwest of SFB, to request arrival. Proceed to a point 5 NM due south of SFB (South shore of Lake Jessup over the bridge). Then proceed northbound across the lake to enter a midfield downwind for runway 9R/27L as assigned. Maintain 1500' until advised by SFB ATCT.



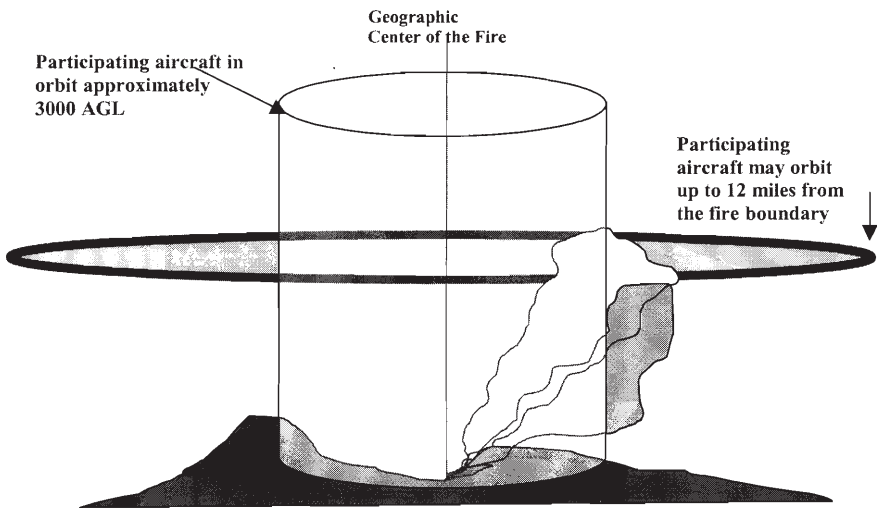
VFR aircraft should request the appropriate VFR arrival; or expect instructions to fly the appropriate VFR arrival from Orlando Approach Control.

ATIS 125.975

ORLANDO APPROACH CONTROL 135.3

SANFORD TOWER 120.3 (Monroe VFR arrival), 135.25 (Jessup VFR arrival)

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**FIREFIGHTING TRAFFIC AREAS**


Pilots are advised to stay clear of Firefighting Traffic Areas. Remain 15 miles from the area of activity. If you must over-fly the area, do so at an altitude of 5000 feet AGL above. However, to remain safe and out of the way of working aircraft, it is best to circumnavigate the area.

The wild-land fire environment can be very complex and involve a large number and variety of aircraft types including fixed and rotary wing aircraft. Some of the aircraft are small single and multi-engine command and control platforms that can be especially difficult to see and may give the appearance that the fire is not staffed. The aircraft participating in firefighting can orbit as far out as 12 miles from the perimeter of the fire. Any intrusion by aircraft not directly involved in the firefighting operation could delay the delivery of much needed retardant or water to ground firefighters and will adversely affect the safety of participating aircraft. Please stay well away from wild-land fires even if you feel that aircraft are not working the fire; they may be en route or unseen.

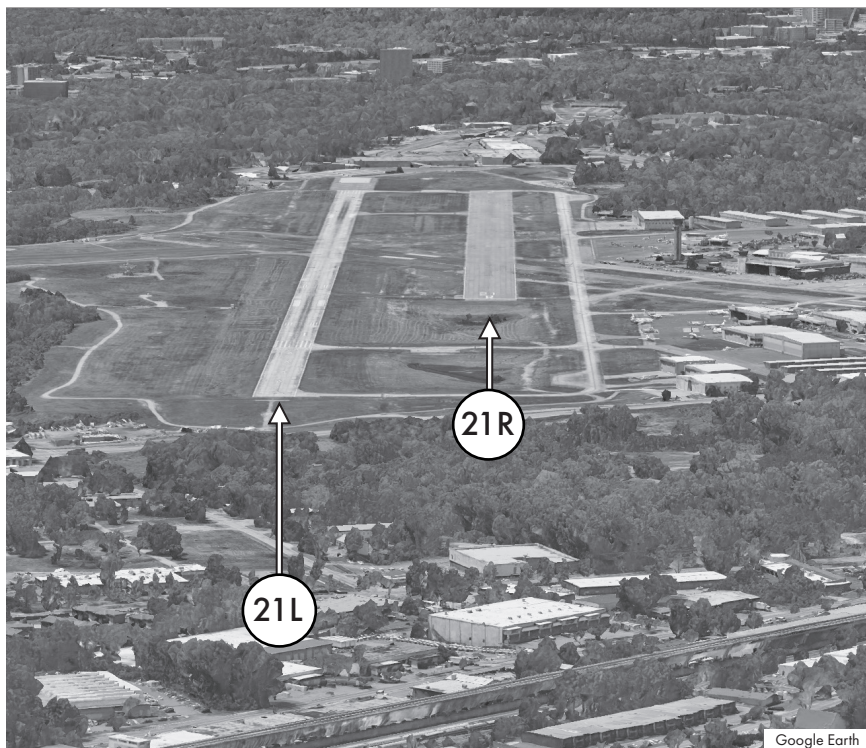
If you see a fire developing along your route, report it immediately to air traffic control who will advise the US Forest Service. The firefighting community would welcome this information.

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## DEKALB-PEACHTREE AIRPORT (PDK) ARRIVAL ALERT

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### Landing Southwest RWY 21L and RWY 21R



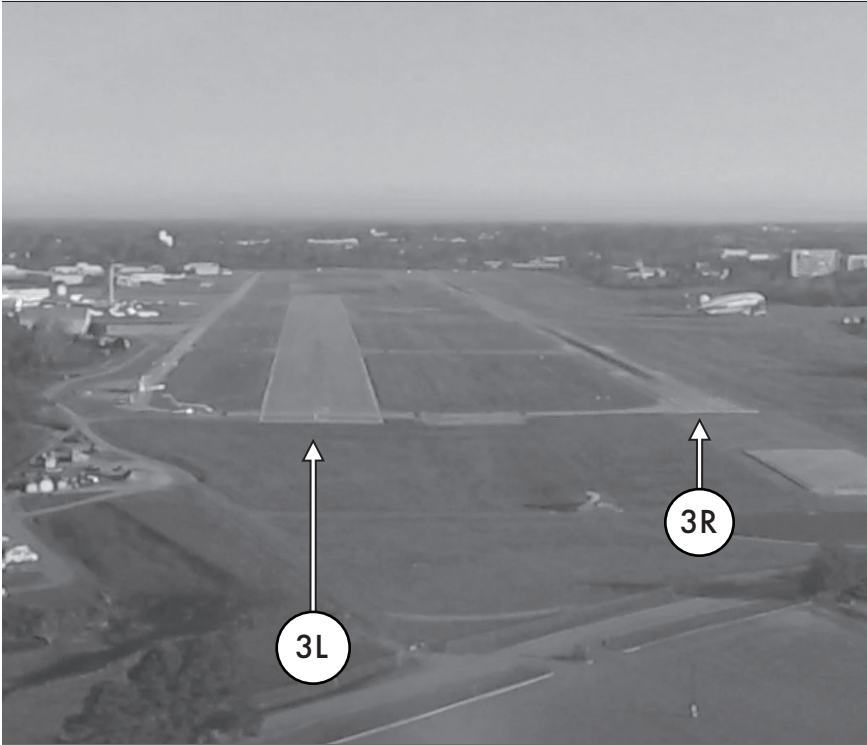
**Pilots often confuse RWY 21L & RWY 21R  
during arrivals. RWY 21R threshold is 2255 ft  
further down than RWY 21L threshold.**

**Not for Navigational Purposes  
For Situational Awareness Only**

# DEKALB-PEACHTREE AIRPORT (PDK) ARRIVAL ALERT

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## Landing Northeast RWY 3L and RWY 3R



**Pilots often confuse RWY 3L & RWY 3R  
during arrivals.**

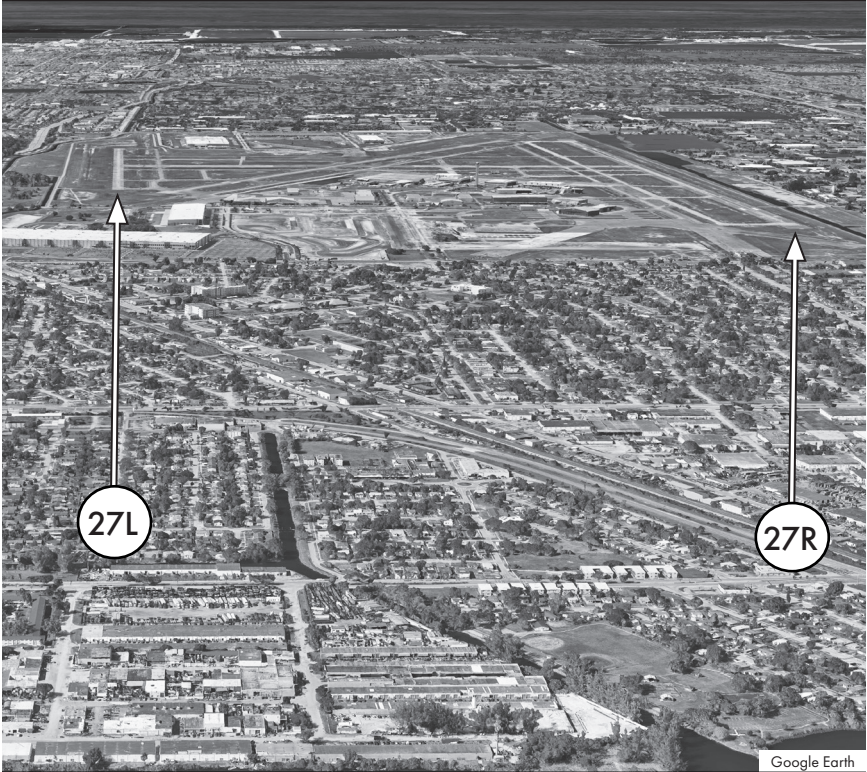
**Not for Navigational Purposes  
For Situational Awareness Only**

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# MIAMI-OPA LOCKA EXECUTIVE AIRPORT (OPF) ARRIVAL ALERT

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## Landing West RWY 27L and RWY 27R



**Offset parallels. Pilots be aware that  
RWY 27L is 2808 feet farther down  
the approach than RWY 27R.**

**Not for Navigational Purposes  
For Situational Awareness Only**

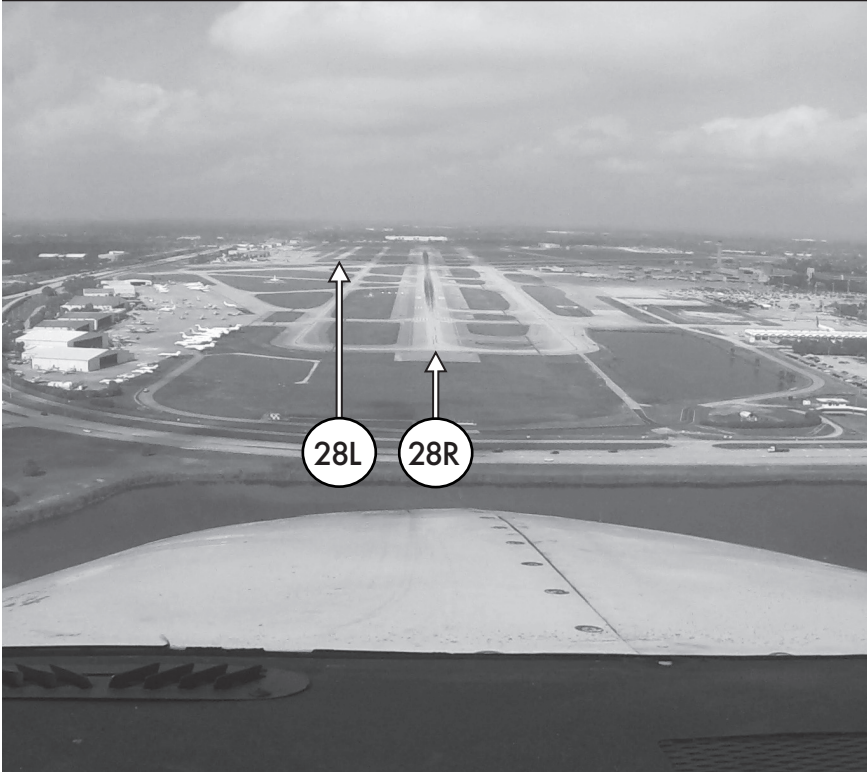


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# PALM BEACH INTERNATIONAL AIRPORT (PBI) ARRIVAL ALERT

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## Landing West RWY 28L and RWY 28R



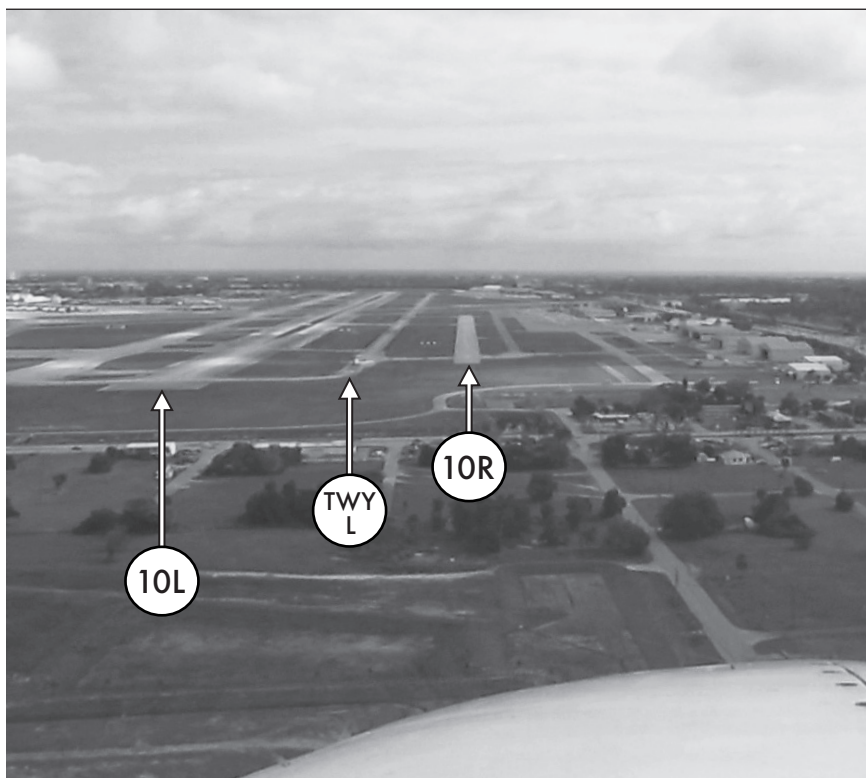
**Offset parallels.**  
Pilots be aware that RWY 28L is 6000 feet  
farther down the approach than RWY 28R.

**Not for Navigational Purposes  
For Situational Awareness Only**

# PALM BEACH INTERNATIONAL AIRPORT (PBI) ARRIVAL ALERT

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## Landing East RWY 10L and RWY 10R



**RWY 10R is much smaller than RWY 10L and similar size as adjacent taxiways. Pilots sometimes confuse RWY 10 R with Taxiway Lima.**

**Not for Navigational Purposes  
For Situational Awareness Only**

The following narratives summarize the FAR Part 93 Special Air Traffic Rules, Patterns, and/or Airport Traffic Patterns in effect as prescribed in the rule. This information is advisory in nature and in no way relieves the pilot from compliance with the specific rules set forth in FAR Parts 91 and 93.

Special Airport Traffic Areas prescribed in Part 93 are depicted on Sectional Aeronautical Charts, Enroute Low Altitude Charts, and where applicable, on VFR Terminal Area Charts.

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### DESTIN-FT WALTON BEACH, FLORIDA Valparaiso Terminal Area

Part 93, Subpart F, prescribes that Valparaiso, Florida, Terminal Area, and the special air traffic rules for operating aircraft within specific corridor.

#### – North-South Corridor.

Before operating within the corridor, obtain a clearance from the Eglin Radar Control Facility or an appropriate FAA ATC facility, and maintain two-way radio communication with the Eglin Radar Control Facility while within the corridor.

#### – East-West Corridor.

Before operating within the corridor, establish two-way radio communications with Eglin Radar Control Facility or an appropriate FAA ATC facility for an ATC advisory concerning operations being conducted therein; and maintain two-way radio communications with the Eglin Radar Control Facility while within the corridor. For Destin/Eglin AFB FL Part 93 Operations details, see FAASafety.gov Knowledge Course at: [http://faasafety.gov/gslac/ALC/course\\_catalog.aspx](http://faasafety.gov/gslac/ALC/course_catalog.aspx).

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### OPERATIONS RESERVATIONS FOR HIGH DENSITY TRAFFIC AIRPORTS Kennedy, LaGuardia, and Washington Reagan National

The Federal Aviation Administration (FAA) has designated New York's Kennedy and LaGuardia Airports and Washington Reagan National Airport as High Density Traffic Airports (HDTA), Title 14, Code of Federal Regulations, part 93, subpart K, and has prescribed air traffic rules and requirements for operating aircraft (excluding helicopters) to and from those airports during certain hours.

Reservations are required for operations from 6 a.m. through 11:59 p.m. local time at LaGuardia Airport and Washington Reagan National Airport. Reservations at Kennedy Airport are required from 3 p.m. through 7:59 p.m. local time.

Reservation procedures are detailed in Advisory Circular 93-1, Reservations for Unscheduled Operations at High Density Traffic Airports. A copy of the advisory circular is available on the FAA website at <http://www.faa.gov>. Reservations for unscheduled operations are allocated through the Enhanced Computer Voice Reservation System (e-CVRS) accessible via telephone or the Internet. This system may not be used to make reservations for scheduled air carrier or commuter flights.

The toll-free telephone number for accessing e-CVRS is 1-800-875-9694 and is available for calls originating within the United States, Canada, and the Caribbean. Users outside the toll-free areas may access e-CVRS by calling the toll number of 703-707-0568. The Internet web address for accessing the e-CVRS is <http://www.fly.faa.gov/ecvrs>. If you have any questions about reservation requirements or are experiencing problems with the system, you may telephone the Airport Reservation Office at the Air Traffic Control System Command Center at (703) 904-4452.

Requests for instrument flight rules (IFR) reservations will be accepted beginning 72 hours prior to the proposed time of operation at the high-density airport. For example, a request for an 11 a.m. reservation on a Thursday will be accepted beginning at 11 a.m. on the previous Monday.

IFR reservations must be obtained prior to IFR landing or takeoff at an HDTA during slot controlled hours. An air traffic control (ATC) clearance does not constitute a reservation. A reservation does not constitute permission to operate at an HDTA if additional operational limits or procedures are required by NOTAM and/or regulation.

Aircraft involved in medical emergencies will be handled by ATC without regard to a reservation after obtaining prior approval of the ATC System Command Center on (703) 904-4452. ATC will accommodate declared other emergency situations without regard to slot reservations.

NOTE: Visual flight rule (VFR) reservations via ATC for unscheduled operations at LaGuardia are not authorized from 7 a.m. through 8:59 a.m. local time and 4 p.m. through 6:59 p.m. local time, Monday through Friday and Sunday evenings, unless otherwise announced by NOTAM. Both IFR and VFR operations during those time periods must obtain an advance reservation through e-CVRS.

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FSS  
TELEPHONE NUMBERS

**Flight Service Station (FSS)** facilities process flight plans and provide flight planning and weather briefing services to pilots. FSS services in the contiguous United States, Hawaii and Puerto Rico, are provided by a contract provider at two large facilities. In Alaska, FSS services are delivered through a network of three hub facilities and 14 satellite facilities, some of which operate part-time and some are seasonal. Because of the interconnectivity between the facilities, all FSS services including radio frequencies are available continuously using published data.

Further information can be found in the Aeronautical Information Manual (AIM).

**NATIONAL FSS TELEPHONE NUMBER**

Pilot Weather Briefings ..... 1-800-WX-BRIEF (1-800-992-7433)

**OTHER FSS TELEPHONE NUMBERS (except in Alaska)**

Medevac Flights Only ..... 1-877-LIF-GRD3 (1-877-543-4733)

**FLIGHT RESTRICTED ZONE FLIGHTS**

Pilots wishing to fly within the Flight Restricted Zone (FRZ) must call the Washington ARTCC Flight Data Unit at 703-771-3476.

**FAA TELEPHONE NUMBERS AND NWS  
KEY AIR TRAFFIC FACILITIES**

**Air Traffic Control System Command Center**

Main Number.....540-422-4100

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**AIR ROUTE TRAFFIC CONTROL CENTERS (ARTCCs)**

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<b>ARTCC NAME</b>	<b>*24 HR RGNL DUTY OFFICE TELEPHONE #</b>	<b>BUSINESS HOURS</b>	<b>BUSINESS TELEPHONE #</b>	<b>**CLEARANCE DELIVERY TELEPHONE #</b>
Albuquerque	817-222-5006	7:30 a.m.-4:00 p.m.	505-856-4300	505-856-4561
Anchorage	907-271-5936	7:30 a.m.-4:00 p.m.	907-269-1137	
Atlanta	404-305-5180	7:30 a.m.-5:00 p.m.	770-210-7601	770-210-7692
Boston	404-305-5156	7:30 a.m.-4:00 p.m.	603-879-6633	603-879-6859
Chicago	817-222-5006	8:00 a.m.-4:00 p.m.	630-906-8221	630-906-8921
Cleveland	817-222-5006	8:00 a.m.-4:00 p.m.	440-774-0310	440-774-0490
Denver	206-231-2099	7:30 a.m.-4:00 p.m.	303-342-1600	303-651-4257
Ft. Worth	817-222-5006	7:30 a.m.-4:00 p.m.	817-858-7500	817-858-7584
Honolulu	310-725-3300	7:30 a.m.-4:00 p.m.	808-840-6100	808-840-6201
Houston	817-222-5006	7:30 a.m.-4:00 p.m.	281-230-5300	281-230-5622
Indianapolis	817-222-5006	8:00 a.m.-4:00 p.m.	317-247-2231	317-247-2411
Jacksonville	404-305-5180	8:00 a.m.-4:30 p.m.	904-549-1501	904-845-1592
Kansas City	817-222-5006	7:30 a.m.-4:00 p.m.	913-254-8500	913-254-8508
Los Angeles	661-265-8200	7:30 a.m.-4:00 p.m.	661-265-8200	661-575-2079
Memphis	404-305-5180	7:30 a.m.-4:00 p.m.	901-368-8103	901-368-8453
Miami	404-305-5180	7:00 a.m.-3:30 p.m.	305-716-1500	305-716-1731
Minneapolis	817-222-5006	8:00 a.m.-4:00 p.m.	651-463-5580	651-463-5588
New York	718-995-5426	8:00 a.m.-4:40 p.m.	631-468-1001	631-468-1425
Oakland	310-725-3300	6:30 a.m.-3:00 p.m.	510-745-3331	
Salt Lake City	206-231-2099	7:30 a.m.-4:00 p.m.	801-320-2500	801-320-2568
San Juan	404-305-5180	7:30 a.m.-5:00 p.m.	787-253-8663	787-253-8664
Seattle	206-231-2099	7:30 a.m.-4:00 p.m.	253-351-3500	253-351-3694
Washington	718-995-5426	8:00 a.m.-4:30 p.m.	703-771-3401	703-771-3587

\*Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

\*\*For use when numbers or frequencies are not listed in the airport listing

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**MAJOR TERMINAL RADAR APPROACH CONTROLS (TRACONs)**

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<b>TRACON NAME</b>	<b>*24 HR RGNL DUTY OFFICE TELEPHONE #</b>	<b>BUSINESS HOURS</b>	<b>BUSINESS TELEPHONE #</b>
Atlanta	678-364-6131	7:00 a.m.-3:30 p.m.	678-364-6000
Chicago	817-222-5006	8:00 a.m.-4:00 p.m.	847-608-5509
Dallas-Ft. Worth	817-222-5006	7:30 a.m.-4:00 p.m.	972-615-2500
Denver	425-227-1389	7:30 a.m.-4:00 p.m.	303-342-1500
Houston	817-222-5006	7:30 a.m.-4:00 p.m.	281-230-8400
New York	718-995-5426	8:00 a.m.-4:30 p.m.	516-683-2901
Northern CA	310-725-3300	7:00 a.m.-3:30 p.m.	916-366-4001
Potomac	718-995-5426	8:00 a.m.-4:30 p.m.	540-349-7500
Southern CA	310-725-3300	7:30 a.m.-4:00 p.m.	858-537-5800

\*Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

**FAA TELEPHONE NUMBERS AND NWS  
KEY AIR TRAFFIC FACILITIES**

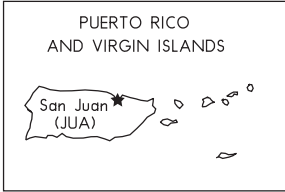
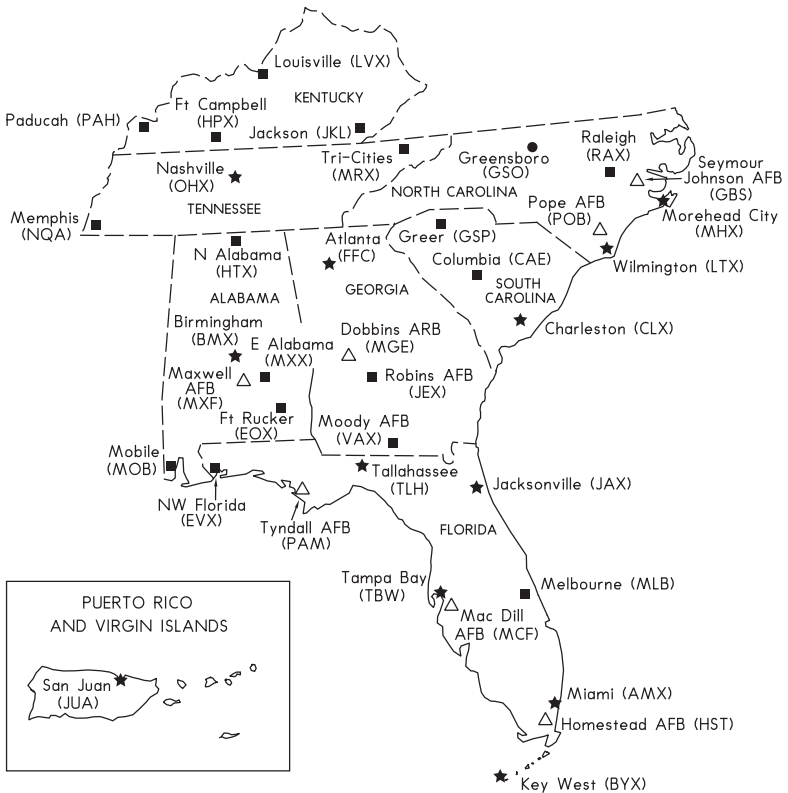
493

**DAILY NAS REPORTABLE AIRPORTS**

<b>AIRPORT NAME</b>	<b>*24 HR RGNL DUTY OFFICE TELEPHONE #</b>	<b>BUSINESS HOURS</b>	<b>BUSINESS TELEPHONE #</b>
Albuquerque Intl Sunport, NM	817-222-5006	8:00 a.m.-5:00 p.m.	505-842-4366
Andrews AFB, MD	718-995-5426	8:00 a.m.-4:30 p.m.	301-735-2380
Baltimore/Washington Intl Thurgood Marshall, MD	718-995-5426	8:00 a.m.-4:30 p.m.	410-962-3555
Boston Logan Intl, MA	404-305-5156	7:30 a.m.-4:00 p.m.	617-455-3100
Bradley Intl, CT	404-305-5156	7:30 a.m.-4:00 p.m.	203-627-3428
Burbank/Bob Hope, CA	310-725-3300	7:00 a.m.-5:30 p.m.	818-567-4806
Charlotte Douglas Intl, NC	404-305-5180	8:00 a.m.-4:30 p.m.	704-344-6487
Chicago Midway, IL	817-222-5006	8:00 a.m.-4:00 p.m.	773-884-3670
Chicago O'Hare Intl, IL	817-222-5006	8:00 a.m.-4:00 p.m.	773-601-7600
Cleveland Hopkins Intl, OH	817-222-5006	8:00 a.m.-4:00 p.m.	216-352-2000
Covington/Cincinnati, OH	817-222-5006	8:00 a.m.-4:30 p.m.	859-372-6440
Dallas-Ft. Worth Intl, TX	817-222-5006	8:30 a.m.-5:00 p.m.	972-615-2531
Dayton Cox Intl, OH	817-222-5006	7:30 a.m.-4:00 p.m.	937-415-6800
Denver Intl, CO	425-227-1389	7:30 a.m.-4:00 p.m.	303-342-1600
Detroit Metro, MI	817-222-5006	8:00 a.m.-4:00 p.m.	734-955-5000
Fairbanks Intl, AK	907-271-5936	7:30 a.m.-4:00 p.m.	907-474-0050
Fort Lauderdale Intl, FL George Bush	404-305-5180	7:00 a.m.-3:30 p.m.	305-356-7932
Intercontinental/Houston, TX	817-222-5006	7:30 a.m.-4:00 p.m.	713-230-8400
Hartsfield-Jackson Atlanta Intl, GA	678-364-6131	7:00 a.m.-3:30 p.m.	404-559-5800
Honolulu (Daniel K Inouye Intl), HI	310-725-3300	7:30 a.m.-4:00 p.m.	808-840-6100
Houston Hobby, TX	817-222-5006	8:00 a.m.-5:00 p.m.	713-847-1400
Indianapolis Intl, IN	817-222-5006	8:00 a.m.-4:00 p.m.	317-484-6600
Kahului/Maui, HI	310-725-3300	7:30 a.m.-4:00 p.m.	808-877-0725
Kansas City Intl, MO	817-222-5006	7:30 a.m.-4:00 p.m.	816-329-2700
Las Vegas McCarran, NV	310-725-3300	7:30 a.m.-4:00 p.m.	702-262-5978
Los Angeles Intl, CA	310-725-3300	7:00 a.m.-3:30 p.m.	310-342-4900
Louis Armstrong New Orleans Intl, LA	817-222-5006	7:00 a.m.-4:30 p.m.	504-471-4300
Memphis Intl, TN	404-305-5180	7:30 a.m.-4:00 p.m.	901-322-3350
Miami Intl, FL	404-305-5180	7:00 a.m.-4:00 p.m.	305-869-5400
Minneapolis/St. Paul, MN	817-222-5006	8:00 a.m.-4:00p.m.	612-713-4000
Nashville Intl, TN	404-305-5180	7:00 a.m.-3:30 p.m.	615-781-5460
New York Kennedy Intl, NY	718-995-5426	8:00 a.m.-4:30 p.m.	718-656-0335
New York La Guardia, NY	718-995-5426	8:00 a.m.-4:30 p.m.	718-335-5461
Newark Liberty Intl, NJ	718-995-5426	7:30 a.m.-4:00 p.m.	973-565-5000
Norman Y. Mineta San Jose Intl, CA	310-725-3300	7:30 a.m.-4:00 p.m.	408-982-0750
Ontario Intl, CA	310-725-3300	7:30 a.m.-4:00 p.m.	909-983-7518
Orlando Intl, FL	404-305-5180	7:30 a.m.-5:00 p.m.	407-850-7000
Philadelphia Intl, PA	718-995-5426	8:00 a.m.-4:30 p.m.	215-492-4100
Phoenix Sky Harbor Intl, AZ	310-725-3300	7:30 a.m.-4:00 p.m.	602-379-4226
Pittsburgh Intl, PA	718-995-5426	8:00 a.m.-4:30 p.m.	412-269-9237
Portland Intl, OR	425-227-1389	7:30 a.m.-4:00 p.m.	503-493-7500
Raleigh-Durham, NC	404-305-5180	8:00 a.m.-4:30 p.m.	919-380-3125
Ronald Reagan Washington National, DC	718-995-5426	8:00 a.m.-4:30 p.m.	703-413-0330
Salt Lake City, UT	425-227-1389	7:30 a.m.-4:00 p.m.	801-325-9600
San Antonio Intl, TX	817-222-5006	8:00 a.m.-4:30 p.m.	210-805-5507
San Diego Lindbergh Intl, CA	310-725-3300	8:00 a.m.-4:30 p.m.	619-299-0677
San Francisco Intl, CA	310-725-3300	7:00 a.m.-3:30 p.m.	650-876-2883
San Juan Intl, PR	404-305-5180	7:30 a.m.-5:00 p.m.	787-253-8663
Seattle-Tacoma Intl, WA	425-227-1389	7:30 a.m.-4:00 p.m.	206-768-2900
St. Louis Lambert, MO	817-222-5006	7:30 a.m.-4:00 p.m.	314-890-1000
Tampa Intl, FL	404-305-5180	7:30 a.m.-4:00 p.m.	813-371-7700
Ted Stevens Anchorage Intl, AK	907-271-5936	7:30 a.m.-4:00 p.m.	907-271-2700
Teterboro, NJ	718-995-5426	8:00 a.m.-4:30 p.m.	201-288-1889
Washington Dulles Intl, DC	718-995-5426	8:00 a.m.-4:30 p.m.	571-323-6375
West Palm Beach, FL	404-305-5180	8:00 a.m.-4:30 p.m.	561-683-1867
Westchester Co, NY	718-995-5426	8:00 a.m.-4:30 p.m.	914-948-6520

\*Facilities can be contacted through the Rgnl Duty Officer during non-business hours.

NATIONAL WEATHER SERVICE (NWS)  
 UPPER AIR OBSERVING STATIONS (UAOS)  
 AND  
 WEATHER RADAR NETWORK



LEGEND

- △ AVIATION WEATHER SERVICE (MILITARY)
- ▲ AIR TRAFFIC CONTROL RADAR
- ★ UPPER AIR OBSERVING STATION/RADAR
- RADAR ONLY
- UAOS-BALLOON RELEASE AROUND 1100 UTC AND 2300 UTC DAILY
- OTHER NWS UPPER AIR STATIONS-BALLOON RELEASE TIMES ARE FLEXIBLE BUT GENERALLY AROUND SUNRISE AND/OR EARLY AFTERNOON

NOTE: FOR RELEASE LATER THAN 1130 UTC AND 2330 UTC, AND FOR SPECIAL RELEASES AT OTHER THAN THE SCHEDULED HOURS, AN AERONAUTICAL INFORMATION MESSAGE WILL BE FILED.

Air Route Traffic Control Center frequencies and their remoted transmitter sites are listed below for the coverage of this volume. Bold face type indicates high altitude frequencies, light face type indicates low altitude frequencies. To insure unrestricted IFR operations within the high altitude enroute sectors, the use of 720 channel communications equipment (25 kHz channel spacing) is required.

® ATLANTA CENTER – 121.5 **121.5** 243.0 **243.0** CPDLC (LOGON KUSA) H–6–9–10–12, L–18–22–24–25–26–36, A–1  
(KZTL)

Albemarle – 133.15 251.1

Anderson – 121.5 **121.5** 243.0 **243.0**

Anniston – 134.95 121.5 **121.5** 323.175 243.0 **243.0**

Athens – 134.2 127.5 **127.5** **120.425** **327.15** 316.05 **316.05** 290.475

Atlanta/A – 135.0 **135.0** **346.35** 317.7 **317.7** 290.475

Augusta – 128.1 322.325

Birmingham – **128.725** 127.3 **350.325** 251.05

Chattanooga – **133.175** 132.05 **126.675** **124.875** **363.1** 354.025 **299.2** **257.675**

Columbus – **125.575** 120.45 **353.95** 298.85

Crossville – 121.5 **121.5** 243.0 **243.0**

Foothills – 134.8 379.95

Gadsden – 124.5 270.325

Glade Springs – 127.85 269.3

Greensboro – 128.8 **124.425** 360.825 **323.025**

Greer – 121.5 **121.5** 243.0 **243.0**

Hampton – **127.125** 121.5 **121.5** **119.375** **371.95** **363.25** 268.7 243.0 **243.0**

Hickory – 134.55 **132.975** 125.15 124.25 121.5 **121.5** **370.35** **307.35** 290.2 263.0 243.0 **243.0**

Hinch Mountain – 133.6 132.675 **125.925** 279.5 **269.175** 254.3

Macon – 134.5 123.95 360.75 269.625 **269.625** 263.075 **263.075**

Millen – 127.95 343.75

Monroeville – 118.55 267.9

Montgomery – 134.6 **134.6** **128.025** 125.875 **125.875** 120.55 319.1 **319.1** 292.2 **292.2** 280.1 **280.1**  
270.25 243.0 **243.0**

Mount Oglethorpe – 134.8 133.1 127.05 **127.05** 121.35 **379.95** 377.05 342.425 **342.425** 282.35 **282.35**

Newport – 127.55 269.5

Owing – 135.35 **125.625** **123.725** **327.0** **269.1** 263.125

Sandersville – **126.425**

Sugarloaf Mountain – 132.625 121.5 **121.5** 353.625 243.0 **243.0**

Tri City – 127.85 **126.775** **120.725** **353.575** 269.3 **257.775**

Uniontown – 132.25 343.725 **307.15** 263.025 252.9

Young Harris – **124.375** **353.925**

CENTER REMARKS: CPDLC (LOGON KUSA)



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® HOUSTON CENTER – 121.5	<b>121.5</b>	124.7	243.0	<b>243.0</b>	307.4	<b>321.3</b>	H-6-7-8-9, L-17-18-19-20-21-22
Alexandria – 132.7	121.5	<b>121.5</b>	120.975	<b>348.75</b>	299.6	288.1	<b>243.0</b> (KZHU)
Atlantis – 135.775	<b>135.775</b>	134.9	132.65	<b>132.65</b>	120.35		
Austin – 132.15	127.725	<b>126.425</b>	<b>371.85</b>	279.6	273.55		
Beaumont – 133.8	126.95	<b>123.825</b>	363.05	351.8	<b>279.625</b>		
Boxer – 132.65	<b>132.65</b>	120.35					
Cameron County – 133.4	132.65	<b>132.65</b>					
College Station – 134.8	128.075	125.15	<b>123.725</b>	351.95	<b>319.15</b>	288.275	269.6
East Breaks – 127.85	306.3						
East Cameron – 127.85	120.35						
Eugene Island – 132.65	<b>132.65</b>	120.35	269.55	<b>269.55</b>			
Fort Stockton – 125.75	346.4						
Fredericksburg – 134.2	<b>129.65</b>	<b>363.25</b>	307.3				
Galveston – 133.8	132.65	127.85	351.8	269.55	<b>269.55</b>		
Grand Isle – 135.775	<b>135.775</b>	134.9	132.65	<b>132.65</b>	132.175	<b>370.9</b>	353.55 <b>353.55</b> 290.45 251.05 251.05
Hattiesburg – 126.8	<b>119.725</b>	327.8	<b>285.6</b>				
High Island – 133.4	132.65	<b>132.65</b>	127.85	269.55	<b>269.55</b>		
Intracoastal City – 127.85	120.35						
Junction – 121.5	<b>121.5</b>						
Keathley Canyon	<b>875</b>	– 132.65	<b>132.65</b>	127.85			
Kerville – 134.95	269.4						
Kingsville – <b>133.75</b>	133.4	128.15	<b>354.0</b>	350.3			
Lacombe – <b>126.875</b>	126.35	121.025	338.25	<b>327.05</b>	317.775		
Lafayette – <b>134.925</b>	126.35	121.5	<b>121.5</b>	338.25	<b>263.1</b>	243.0	<b>243.0</b>
Lake Charles – <b>132.95</b>	124.7	121.5	<b>121.5</b>	<b>360.65</b>	317.4	243.0	<b>243.0</b>
Laredo – 135.425	<b>133.75</b>	127.8	121.5	<b>121.5</b>	<b>375.825</b>	<b>354.0</b>	319.1 317.625 307.2
Lometa – 132.35	372.0	317.5					
Lufkin – 134.8	<b>132.775</b>	126.95	125.175	121.5	<b>121.5</b>	363.05	<b>335.65</b> 285.575 269.6 243.0 <b>243.0</b>
Many – 121.5	<b>121.5</b>						
Mc Comb – 126.8	121.5	<b>121.5</b>	327.8				
Mobile – 132.6	127.65	<b>125.775</b>	121.5	<b>121.5</b>	<b>322.4</b>	316.075	285.475 <b>277.4</b> (FOR T38 USE) 243.0 <b>243.0</b>
Natchez – 120.975	299.6						
Newton – 134.8	<b>128.175</b>	<b>353.85</b>	269.6				
Palacios – 128.6	360.8						
Rock Springs – <b>132.4</b>	125.75	346.4	<b>324.3</b>	(FOR T38 USE)	<b>322.7</b>	(FOR T38 USE)	<b>299.2</b> <b>267.9</b> (FOR T38 USE)
Rockport – 133.4							
San Antonio – 132.8	<b>125.625</b>	<b>354.0</b>	343.7	<b>318.8</b>	306.9	251.075	
San Antonio A – <b>301.4</b>	(FOR T38 USE)	<b>254.375</b>	<b>239.275</b>				
Sealy – 132.15	128.6	<b>126.425</b>	<b>371.85</b>	360.8	279.6		
South Timbalier – <b>135.775</b>	134.9	290.45					
Three Rivers – 134.6	322.5	243.0					
Uvalde – 134.95	127.8	319.1	307.2	269.4			
Venice – 135.775	<b>135.775</b>						
Victoria – 135.05	<b>124.725</b>	353.6	<b>291.75</b>				
Virgo – 134.9							

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® **INDIANAPOLIS CENTER** – 121.5 121.5 243.0 243.0 CPDLC (LOGON KUSA) H-5-9-10-12, L-16-25-26-27-29  
(KZID)

Athens – 135.425 125.075 379.975 353.525  
 Bible Grove – 257.95  
 Bluefield – 126.575 121.5 121.5 257.85 243.0 243.0  
 Brookville – 120.575 317.625  
 Catawba – 128.775 123.925 120.475 353.75 346.3 256.7  
 Charleston – 135.125 134.225 119.525 379.175 322.375 307.3  
 Columbus – 316.125  
 Evansville – 132.525 128.3 377.125 291.625  
 Henryville – 134.275 133.05 128.375 124.775 353.825 317.525 293.225 269.025  
 Hillsboro – 121.5 121.5  
 Huntingburg – 127.025 322.425  
 Indianapolis – 133.425 132.775 125.125 124.525 119.55 379.225 370.925 360.775 350.225 299.6  
 273.475  
 Livingston – 134.675 126.925 348.625 319.15  
 London – 243.0  
 London 2 – 124.625 121.5 121.5 371.925 243.0 243.0  
 Lynch – 126.575 257.85  
 Merwyn – 135.575 134.7 120.875 307.225 290.5 284.725  
 New Hope – 124.625 121.175 371.925 353.65  
 Parkersburg – 125.55 121.5 317.475 243.0 243.0  
 Portsmouth – 135.575 124.225 120.275 363.175 360.725 290.5  
 Rosewood – 135.8 128.075 288.3 282.375  
 Terre Haute – 134.175 132.2 317.425 310.8  
 Whitetop Mountain – 124.575 290.55  
 Winchester – 128.225 126.375 123.775 343.65 317.75 263.05  
 Zanesville – 133.775 132.825 124.45 121.5 121.5 363.025 360.675 323.275 243.0 243.0  
 CENTER REMARKS: CPDLC (LOGON KUSA)

® **JACKSONVILLE CENTER** – 121.5 121.5 243.0 243.0 H-6-7-8-9-12, L-18-21-22-24-25-35-36, A-1  
(KZJX)

Albany – 134.45 125.75 121.5 121.5 363.075 323.2 227.125  
 Alma – 135.975 133.3 127.575 121.5 121.5 346.3 282.3 269.025  
 Brunswick – 126.75 124.675 120.125 354.075 282.2 277.4  
 Charleston – 135.05 135.05 134.375 133.625 124.075 120.125 370.95 354.075 317.55 243.0 243.0  
 Columbia – 134.975 127.875 124.7 335.5 319.2 278.3 269.55  
 Crestview – 134.15 124.475 120.2 371.9 346.4 338.3 323.05  
 Daytona Beach – 134.85 134.85 134.0 327.1 327.1 273.55  
 Dothan – 134.3 121.5 121.5 322.55 288.3 243.0 243.0  
 Florence – 133.45 121.5 121.5 306.3 281.55  
 Gainesville – 128.425 121.5 121.5 291.7 243.0 243.0  
 Jacksonville – 134.85 134.85 327.1 327.1  
 Lake City – 133.875 125.375 322.475 254.325  
 Lowell – 135.75 133.325 128.05 125.175 360.7 335.55 317.6 269.25  
 Millen – 132.925 363.2  
 Myrtle Beach – 135.05 135.05 134.375 317.55 273.525 273.525  
 Panama City – 135.925 135.925 (OCEANIC CONTROL-VIA GULF ROUTES.) 120.825 379.3 363.175 363.175  
 (OCEANIC CONTROL-VIA GULF ROUTES.)  
 Perry Foley – 127.8 352.0  
 Saint Augustine – 135.45 132.825 127.475 126.35 126.35 346.25 307.25 307.25 269.6 256.875  
 Savannah – 132.925 132.425 126.125 121.5 121.5 363.2 290.35 285.65 243.0 243.0  
 St. Simons Island – 121.5 121.5  
 Tallahassee – 128.625 128.625 128.075 125.05 121.5 121.5 379.175 379.175 360.8 307.2 243.0 243.0  
 Valdosta – 135.625 133.7 121.5 121.5 323.3 317.525  
 Vienna – 127.575 269.025

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® MEMPHIS CENTER – 121.5 121.5 243.0 243.0	H-5-6-9-10-12, L-15-16-17-18-22-25-26
Bowling Green – 121.5 121.5 243.0 243.0	(KZME)
Brinkley – 135.3 126.85 335.8 317.45 281.55	
Cape Girardeau – 121.5 121.5	
Centerville – 125.85 124.275 379.25 296.7 288.35	
Columbus – 134.775 127.1 320.4 294.7 275.4 269.4	
Dyersburg – 121.5 121.5 243.0 243.0	
Fayetteville – 132.55 126.1 121.5 121.5 353.8 269.0 243.0 243.0	
Flippin – 121.5 121.5	
Greenville – 135.875 133.075 124.925 322.35 282.25 269.35	
Greenwood – 132.5 121.5 121.5 259.1 243.0 243.0	
Harrison – 126.85 121.5 121.5 281.55 243.0 243.0	
Hot Springs – 128.475 377.15	
Huntsville – 120.8 307.0	
Jackson – 132.5 121.5 121.5 296.7 285.2 259.1 243.0 243.0	
Jackson Tn – 121.5 121.5 243.0 243.0	
Jonesboro – 121.5 121.5 243.0 243.0	
Little Rock – 132.425 323.25	
Louisville – 132.75 362.6 282.1 263.0 243.0	
Mckellar – 134.65 132.3 126.45 124.35 354.0 343.625 318.1 316.15	
Memphis – 118.625 269.9	
Meridian – 128.275 125.975 121.5 121.5 351.7 307.275 289.9 285.4 243.0 243.0	
Muscle Shoals – 121.5 121.5 243.0 243.0	
Nashville – 133.85 124.125 118.875 285.5 269.425 257.75	
Nashville/Joelton – 132.9 290.3	
Paducah – 133.65 121.5 121.5 292.15 243.0 243.0	
Pine Bluff – 135.875 121.5 121.5 269.35 243.0 243.0	
Rich Mountain – 126.1 121.5 121.5 307.375 269.0	
Russellville – 128.475 377.15 307.325 243.0 243.0	
Shelbyville – 128.15 323.125	
Troy – 133.65 122.275 354.15 292.15	
Tupelo – 135.9 135.9 134.4 128.5 127.375 295.0 285.55 279.55 273.55 273.55	
Walnut Ridge – 132.375 120.075 289.4 257.6	

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**® MIAMI CENTER** – 121.5 **121.5** 243.0 **243.0** H-8, L-21-22-23-24, A-1  
**Avon Park** – 134.55 127.2 **126.525** 322.45 317.75 **285.5** 257.7 256.7 243.0 **243.0** (KZMA)  
**Fort Myers** – 134.75 133.275 121.5 **121.5** 335.5 327.075 **327.075** 322.5 257.85 **257.85** 243.0 **243.0**  
**Georgetown** – **127.225** **126.275** **124.525** **121.5** **251.125** **243.0** **239.025**  
**Grand Bahama Island** – 134.2 132.95 **123.675** 363.05  
**Grand Turk** – **135.2** 126.45 (AIRCRAFT NORTHBOUND FROM SANTO DOMINGO FIR, USE 126.45 (GRAND TURK RCAG) & CONTACT MIAMI CNTR 10 MINUTES PRIOR TO CROSSING THE MIAMI FIR BOUNDARY.) **125.1** 123.775 (AIRCRAFT NORTHBOUND FROM PORT-AU-PRINCE FIR, USE 123.775 (GRAND TURK RCAG) AND CONTACT MIAMI CENTER 10 MINUTES PRIOR TO CROSSING THE MIAMI FIR BOUNDARY.) 327.0 307.2 (ALT COMMUNICATIONS ARE AVBL THRU ARINC OR MIAMI RADIO. THIS IS DUE TO HEAVY AIR TRAFFIC CONGESTION IN THIS AREA.) **263.0** **256.8**  
**Great Inagua** – **126.45** **123.775** **121.5** **307.2** **256.8** **243.0**  
**Key West** – 133.5 132.2 **132.2** 124.75 **124.75** 121.5 **121.5** 323.1 **323.1** 306.9 **306.9** **291.725** **282.275** 243.0 **243.0**  
**Melbourne** – **134.35** 133.475 **128.65** **119.825** **379.25** **348.7** **343.7** 269.3  
**Miami** – 135.6 133.85 133.2 132.4 128.175 **126.325** 124.7 **124.7** 370.85 353.9 323.0 **323.0** 319.1 296.7 **296.7** 281.5 269.05 **257.725**  
**Nassau** – **134.8** 125.7 307.9 **298.9**  
**Pahokee** – **133.55** 132.45 307.1 **291.6**  
**Sarasota** – **133.9** 132.35 **128.225** 377.1 370.875 **370.875** **363.1** **307.3** 285.45  
**South Bimini** – 135.6 133.85 **319.1** 269.05  
**Venice** – **296.7**  
**Vero Beach** – 135.7 132.25 **125.075** 121.5 **121.5** 370.9 **319.0** 243.0 **243.0**  
**West Palm Beach** – 135.175 133.4 132.15 353.6 263.1  
**CENTER REMARKS:** ALT COMMUNICATIONS ARE AVBL THRU ARINC OR MIAMI RADIO. THIS IS DUE TO HEAVY AIR TRAFFIC CONGESTION IN THIS AREA AIRCRAFT NORTHBOUND FROM SANTO DOMINGO FIR USE 126.45 AND CONTACT ZMA ARTCC 10 MINS PRIOR TO CROSSING THE MIAMI FIR BOUNDARY. NORTHBOUND ACFT FROM CUBA FIR OVERFLYING DINAH AT OR ABOVE FL240 AND ALL NORTHBOUND ACFT OVERFLYING OVER ENAMO OR ERCA USE 127.22 AND CTC MIAMI ARTCC 10 MINS PRIOR TO CROSSING THE MIAMI FIR BOUNDARY. AIRCRAFT NORTHBOUND FROM PORT-AU-PRINCE FIR USE 123.775 AND CONTACT ZMA ARTCC 10 MINS PRIOR TO CROSSING THE MIAMI FIR BOUNDARY. NORTHBOUND AIRCRAFT OVERFLYING OVER GHANN, OVALU OR BYGON USE 123.775 AND CONTACT MIAMI ARTCC 10 MINUTES PRIOR TO CROSS THE MIAMI BOUNDARY.

**® NEW YORK CENTER** – 121.5 **121.5** 243.0 **243.0** H-9-10-11-12, L-29-30-32-33-34-35-36  
**Barnegat** – 133.5 **133.5** **354.0** (KZNY)  
**Barnstable** – **125.925** **121.125** **284.75**  
**Big Flat** – **133.475** 132.2 322.4 **270.3**  
**Colts Neck** – **125.325** 118.975 307.8 **282.3**  
**Douglaston** – **128.675** **121.125**  
**Elk Mountain** – 134.45 **132.175** 128.5 326.2 **298.9**  
**Elmira** – 121.5 **121.5** 243.0 **243.0**  
**Flint Hill** – 134.6 132.1 124.625 307.05 290.2 278.3  
**Harrisburg** – **124.775** **346.275**  
**Huguenot** – 132.6 285.5  
**Islip** – 121.5 **121.5** 243.0 **243.0**  
**Lancaster** – **133.175** **285.65**  
**Manteo** – **126.025**  
**Millville** – **134.325** **323.3**  
**Modena** – 135.45 335.6  
**Nantucket** – **121.125**  
**North Mountain** – 132.15 **128.575** 123.625 **121.325** 282.35 279.55 **273.6** **269.1**  
**Philipsburg** – 134.8 **132.875** 121.5 **121.5** 338.3 **306.2**  
**Ravine** – 120.025 292.125  
**Saint David** – **128.5** **121.5** **119.1** **243.0** **239.0** **229.4**  
**Sayre** – 133.35 372.0  
**Ship Bottom** – 133.05 128.3 257.725  
**Sparta** – 133.15 290.4  
**State College** – 118.55  
**Stillwater** – **127.175** **350.3**  
**Williamsport** – 124.9 121.5 **121.5** 243.0 **243.0**  
**Wilmington** – **133.525**

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**® SAN JUAN CENTER**

Borinquen – 135.7 **135.7** 124.35 121.5 **121.5** 338.3 **338.3** 269.35 (KZSU)  
 El Yunque – 134.3 **134.3** 128.65 **128.65** 125.0 **125.0** 121.5 **121.5** 118.75 **118.75** 118.15 **118.15** 307.0  
     **307.0** 299.2 **299.2** 285.5 **285.5** 279.6 **279.6** 269.0 **269.0** 243.0 **243.0**  
 Pico Del Este – 134.3 **134.3** 128.65 **128.65** 125.0 **125.0** 121.5 **121.5** 118.15 **118.15** 307.0 **307.0** 299.2  
     **299.2** 288.1 **288.1** 285.5 **285.5** 279.6 **279.6** 269.0 **269.0**

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**® WASHINGTON CENTER – 121.5 121.5 243.0 243.0 H-9-10-12, L-24-25-26-29-34-35-36, A-1**

Atlantic City – **133.125 281.45** (KZDC)  
 Baltimore – 134.5 360.7  
 Bedford – 243.0 **243.0**  
 Benson – **132.225 363.225**  
 Bucks Elbow – 135.4 133.2 **133.2** 128.6 **121.675 284.7** 282.2 **282.2** 263.1 226.675  
 Buena Vista – 134.4 **133.025** 127.925 353.9 **319.0 269.375**  
 Cape Charles – **121.375 120.975 353.95 293.225**  
 Danville – 121.5 **121.5 243.0 243.0**  
 Dover – 135.5 **118.825 360.65** 281.425  
 Elkins – **133.275** 128.6 121.5 **121.5 118.025 371.9 259.1** 243.0 **243.0** 226.675  
 Grantsville – 133.65 285.6  
 Green Bay – **133.725** 127.75 118.75 377.1 **351.9 235.625**  
 Hagerstown – 134.15 **134.15** 227.125 **227.125**  
 Hopewell – **121.875 323.225**  
 Johnsonville – 135.2 **118.925** 348.65 **322.45** 243.0 **243.0**  
 Lawrenceville – 132.025 290.425  
 Leesburg – **135.525 133.975 126.875** 350.25 **307.025 285.45**  
 Lewisburg – 125.725  
 Lexington Park – 133.9 281.4  
 Linden – 133.55 322.55  
 Lynchburg – **133.575 270.35**  
 Martinsburg – **132.275 379.3**  
 Millville – 125.45 **125.45** 363.0 **363.0**  
 Modena – 132.525 307.25  
 New Bern – 123.85 121.5 **121.5** 279.65 243.0 **243.0**  
 Richmond – 132.95 285.55  
 Sampson – 135.3 285.5  
 Sea Isle – 127.7 285.4  
 Ship Bottom – **121.025 307.725**  
 Smyrna – 132.05 354.15  
 Snow Hill – **135.275 132.55 291.675** 236.825  
 South Boston – 124.05 352.0  
 Whaleyville – **133.825** 123.85 **120.75 327.8 317.725 296.7** 279.65 **279.65** 243.0 **243.0**  
 Whaleyville – **133.825** 123.85 **120.75 327.8 317.725 296.7** 279.65 **279.65** 243.0 **243.0**  
 Wilmington – **135.75 124.025 317.45 269.15**

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VHF frequencies available at Flight Service Stations and at their remote communication outlets (RCO's) are listed below for the coverage of this volume. 'T' indicates transmit only and 'R' indicates receive only. RCO's available at NAVAID's are listed after the NAVAID name. RCO's not at NAVAID's are listed by name.

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**ANDERSON RADIO**

AIKEN RCO 122.45  
ALLENDALE VOR 116.7T 122.1R  
ANDERSON RCO 122.2  
CHARLESTON RCO 122.2  
CHARLESTON VORTAC 113.5T 122.1R  
CHESTERFIELD VOR/DME 114.55T 122.05R  
COLLIERS VORTAC 113.9T 122.1R  
COLUMBIA VORTAC 114.7T 122.1R  
FLORENCE RCO 122.6  
GRAND STRAND VORTAC 122.5  
GREENWOOD TACAN 122.5  
GREER RCO 122.2  
SPARTANBURG VORTAC 115.7T 122.1R

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**ANNISTON RADIO**

ANNISTON RCO 122.2  
BIRMINGHAM RCO 122.2  
DECATUR RCO 122.6  
DOTHAN RCO 122.2  
GADSDEN VOR/DME 112.3T 122.1R  
HAMILTON DME 122.3  
HUNTSVILLE RCO 122.2  
MOBILE RCO 122.2  
MONTGOMERY RCO 122.2  
MONTGOMERY VORTAC 112.1T 122.1R  
MUSCLE SHOALS RCO 122.4  
SELMA RCO 122.4  
TUSCALOOSA RCO 122.2  
VULCAN VORTAC 114.4T 122.1R

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**GAINESVILLE RADIO**

CRAIG VORTAC 122.2  
CRESTVIEW RCO 122.2  
CROSS CITY VORTAC 122.5  
GATORS VORTAC 122.2  
GREENVILLE VORTAC 113.65T 122.1R  
OCALA VORTAC 113.7T 122.1R  
PALATKA RCO 122.3  
PENSACOLA RCO 122.6  
PERRY RCO 122.2  
SAUFLEY VOR 112.25T 122.1R  
SEMINOLE VORTAC 117.5T 122.1R  
ST AUGUSTINE RCO 122.3  
TALLAHASSEE RCO 122.2  
TYNDALL AFB RCO 122.5

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**JACKSON RADIO**

DYERSBURG RCO 122.2  
GRAHAM RCO 122.3  
JACKSON RCO 122.2  
MEMPHIS RCO 122.2

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**LOUISVILLE RADIO**

BOWLING GREEN RCO 122.2  
LEXINGTON RCO 122.6  
LEXINGTON VOR/DME 112.6T 122.1R  
LONDON RCO 122.2  
LONDON VOR/DME 116.55T 122.1R  
LOUISVILLE RCO 122.2  
MADISON RCO 122.3  
OWENSBORO VOR/DME 108.65T 122.1R  
PADUCAH RCO 122.2  
PIKEVILLE RCO 122.5  
SOMERSET RCO 122.5  
YORK VORTAC 112.8T 122.1R

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**MACON RADIO**

ALBANY RCO 122.6  
ALMA RCO 122.2  
ATHENS VOR/DME 116.95T 122.1R  
ATLANTA RCO 122.2  
BAINBRIDGE RCO 122.3  
BRUNSWICK VORTAC 122.2  
COLUMBUS TACAN 122.65  
DANIEL RCO 122.3  
DUBLIN VORTAC 113.1T 122.1R 122.6  
GAINESVILLE RCO 122.55  
HARRIS TACAN 122.35  
LAGRANGE VORTAC 115.6T 122.1R  
ROME VORTAC 122.3  
SAVANNAH RCO 122.5  
STATESBORO RCO 122.6  
THOMASVILLE RCO 122.4  
TIFT MYERS RCO 122.35  
VALDOSTA RCO 122.2  
VALDOSTA VOR/DME 114.8T 122.1R  
VIENNA VORTAC 116.5T 122.1R 122.4  
WARNER ROBINS RCO 122.4  
WAYCROSS VORTAC 110.2T 122.1R

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**MIAMI RADIO**

BIMINI VORTAC 116.7T 122.1R  
DADE COLLIER RCO 122.3  
DOLPHIN VORTAC 113.9T 122.1R  
FORT LAUDERDALE RCO 122.2  
FORT MYERS RCO 122.2  
FREEPORT RCO 126.9  
GRAND TURK RCO 118.4 122.2 316.1  
KEY WEST VORTAC 113.5T 122.1R 122.2  
LEE COUNTY VORTAC 114.15T 122.1R  
MARATHON RCO 122.6  
NAPLES RCO 122.5  
NASSAU RCO 118.4 318.1  
PAHOKEE RCO 122.2  
PALM BEACH RCO 122.4  
PALM BEACH VORTAC 115.7T 122.1R  
TAMIAMI RCO 122.2

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**NASHVILLE RADIO**

BRISTOL RCO 122.2  
CHATTANOOGA RCO 122.2  
CROSSVILLE RCO 122.2  
HINCH MOUNTAIN VOR/DME 117.6T 122.1R  
LIVINGSTON VOR/DME 114.35T 122.1R  
MC GHEE TYSON RCO 122.2  
NASHVILLE RCO 122.2

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**RALEIGH RADIO**

BARRETT'S MOUNTAIN VOR/DME 113.75T 122.1R  
CHARLOTTE VOR/DME 122.4  
CLINTON RCO 122.3  
ELIZABETH CITY VOR/DME 122.2  
GREENSBORO VORTAC 116.2T 122.1R  
HATTERAS RCO 122.3  
KINSTON VORTAC 117.5T 122.15R  
LIBERTY VORTAC 113.0T 122.1R  
NEW BERN VOR/DME 113.6T 122.1R 122.2  
PITT-GREENVILLE RCO 122.2  
RALEIGH RCO 122.2  
ROCKY MOUNT RCO 122.2  
SNOWBIRD VORTAC 108.8T 122.1R  
SUGARLOAF MOUNTAIN VORTAC 122.3  
TAR RIVER VORTAC 117.8T 122.1R  
WILKESBORO RCO 122.4  
WILMINGTON RCO 122.6  
WILMINGTON VORTAC 117.0T 122.1R  
WINSTON SALEM RCO 122.6

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**SAINT PETERSBURG RADIO**

AVON PARK RCO 122.3  
BROOKSVILLE RCO 122.3  
FORT DRUM RCO 122.2  
LAKELAND VORTAC 116.0T 122.1R  
MELBOURNE VOR/DME 115.85T 122.1R  
ORLANDO RCO 122.65  
ORMOND BEACH VORTAC 112.6T 122.1R 122.4  
PUNTA GORDA RCO 122.2  
SARASOTA VOR/DME 117.0T 122.1R  
SEBRING RCO 122.25  
ST PETERSBURG VORTAC 122.2  
TITUSVILLE RCO 122.5  
VERO BEACH RCO 122.2

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**SAN JUAN RADIO** 11396 CARIBBEAN FAMILY A 13297 CARIBBEAN FAMILY A 13306 NORTH ATLANTIC FAMILY A

17907 CARIBBEAN FAMILY A 2887 CARIBBEAN FAMILY A 3016 NORTH ATLANTIC FAMILY A 5550 CARIBBEAN FAMILY  
A 5598 NORTH ATLANTIC FAMILY A 6577 CARIBBEAN FAMILY A 8825 NORTH ATLANTIC FAMILY A 8846 CARIBBEAN  
FAMILY A 8918 CARIBBEAN FAMILY A

BORINQUEN VORTAC 122.3  
EL YUNQUE RCO 122.2  
MAYAGUEZ NDB 122.1R 254.0T  
MAYAGUEZ VOR/DME 110.6T 122.1R  
PICO DEL ESTE RCO 122.6  
ST CROIX VOR/DME 108.2T 122.1R  
ST THOMAS VOR/DME 108.6T 123.6R

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## VOR RECEIVER CHECKPOINTS and VOR TEST FACILITIES

The use of VOR airborne and ground checkpoints is explained in Aeronautical Information Manual, Basic Flight Information and ATC Procedures.

NOTE: Under columns headed "Type of Checkpoint" & "Type of VOT Facility" G stands for ground. A/ stands for airborne followed by figures (2300 or 1000-3000) indicating the altitudes above mean sea level at which the check should be conducted. Facilities are listed in alphabetical order, in the state where the checkpoints or VOTs are located.

### ALABAMA

#### VOR RECEIVER CHECKPOINTS

Facility Name (Arprt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azim uth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Cairns AAF (Fort Novosel)</b>	111.2/OZR	G	071	1.0	On Foxtrot pad Twy F.
<b>Monroeville (Monroe Co Aeroplex)</b>	116.8/MVC	G	196	0.6	Rwy 03 runup area/turnaround pad.

#### VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
<b>Birmingham-Shuttlesworth Intl</b> .....	110.0	G	
<b>Huntsville Intl-Carl T Jones Fld</b> .....	111.0	G	

### FLORIDA

#### VOR RECEIVER CHECKPOINTS

Facility Name (Arprt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azim uth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Lakeland Linder Intl</b>	116.0/LAL	G	038	0.5	On NE end of Twy C.
	116.0/LAL	G	283	1.1	On Twy A-1.
<b>Ocala Intl-Jim Taylor Fld</b>	113.7/OCF	G	167	1	Int Twy A and Twy A11.
<b>Orlando (Executive)</b>	112.2/ORL	G	45	0.6	On E ramp near Twy A-3.
		G	311	0.5	On SW side AER 13.
		G	324	0.5	On NW side AER 13.
<b>St. Pete-Clearwater Intl</b>	116.4/PIE	G	052	0.5	On circle NE end of Twy G.
<b>Sarasota (Sarasota/Bradenton Intl)</b>	117.0/SRQ	G	152	0.5	On run up area at intersection of Twys C and F.

#### VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
<b>Daytona Beach Intl</b> .....	111.0	G	
<b>Jacksonville Intl</b> .....	111.0	G	Unuseable east of Twy F.

GEORGIA

VOR RECEIVER CHECKPOINTS KENTUCKY

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Atlanta</b> (Dekalb–Peachtree)	116.6/PDK 116.6/PDK	G G	007 221	0.5 0.5	On runup area Rwy 21L. On runup area between Rwys 03L and 03R.
<b>Dublin</b> (W H ‘Bud’ Barron)	113.1/DBN	G	270	7.6	On ramp area.
<b>Lawson AAF</b>	111.4/LSF	G	358	0.6	On painted circle at twy intxn 580´ NW of twr.
<b>Rome</b> (Richard B. Russell Rgnl–J.H. Towers Field)	115.4/RMG	G	348	11.5	At intersection of twy 200´ S of terminal building. VOR ground checkpoint unavailable.
<b>Valdosta Rgnl</b>	114.8/OTK	G	131		Intersection of Twy A & C.
<b>Vienna</b> (Crisp County–Cordele)	116.5/VNA	A/1300	226	19	Over center of NE/SW rwy.

VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Clarksville</b> (Campbell AAF)	110.6/CKV	G	307	4.9	On Twy 06 center Romeo helipad.
<b>Clarksville</b> (Hopkinsville–Christian Co)	110.6/CKV	A/2000	345	13.5	Over hangar.
<b>Fort Knox</b> (Godman AAF)	109.6/FTK	G	022	0.3	At hold position on Delta twy. Unmonitored 0300-1100Z+ +.
	109.6/FTK	G	144	0.3	At hold position on Alpha twy. Unmonitored 0300-1100Z+ +.
<b>London</b> (London–Corbin Arpt–Magee Fld)	116.55/LOZ	G	033	3.8	On parking ramp taxiway entry.
<b>Owensboro–Daviss Co Rgnl</b>	108.65/OWB	G	180	0.7	On Twy C3.

VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
<b>Louisville Muhammad Ali Intl</b> .....	111.0	G	

NORTH CAROLINA

VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Kinston Rgnl Jetport At Stallings Fld</b> .....	109.6/ISO	G	230	3.1	Twy A between A4 and A5.
<b>Raleigh–Durham Intl</b> .....	117.2/RDU	G	249	0.8	At end of taxiway to Rwy 05R.

VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
<b>Charlotte</b> (Charlotte/Douglas Intl) .....	112.0	G	
<b>Hickory Rgnl</b> .....	110.0	G	

## VOR RECEIVER CHECKPOINTS and VOR TEST FACILITIES

## SOUTH CAROLINA

## VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azim uth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Charleston AFB/Intl</b>	113.5/CHS	G	225	0.7	Twy D Rwy 03.
	113.5/CHS	G	359	0.6	Runup pad Rwy 21.
	113.5/CHS	G	336	1.2	Runup pad Rwy 15.
	113.5/CHS	G	133	0.3	Runup area Rwy 33.
<b>Columbia Metropolitan</b>	114.7/CAE	G	322	6.8	Twy A between A1 and A2.
<b>Grand Strand</b>	114.4/CRE	G	213	0.7	On runup pad Rwy 05.
<b>Mc Entire JNGB</b>	113.2/MMT	G	293	0.5	Twy AER 14.
	113.2/MMT	G	154	1.1	Twy AER 32.

## TENNESSEE

## VOR RECEIVER CHECKPOINTS

Facility Name (Arpt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azim uth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Holston Mountain</b> (Tri-Cities)	114.6/HMV	G	285	13.5	Near AER 23.
<b>Jackson</b> (McKellar-Sipes Rgnl)	112.0/MKL	G	256	0.6	At South end of ramp at fire station.

## VOR TEST FACILITIES (VOT)

Facility Name (Airport Name)	Freq.	Type VOT Facility	Remarks
<b>Knoxville</b> (Mc Ghee-Tyson) .....	112.0	G	
<b>Memphis Intl.</b> .....	111.0	G	Unreliable.
<b>Nashville Intl.</b> .....	108.6	G	
<b>Smyrna</b> .....	110.2	G	

PUERTO RICO

VOR RECEIVER CHECKPOINTS

Facility Name (Arprt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Borinquen</b> (Rafael Hernandez)	113.5/BQN	G	271	2.2	On apch end of Rwy 08.

VIRGIN ISLANDS

VOR RECEIVER CHECKPOINTS

Facility Name (Arprt Name)	Freq/Ident	Type Check Pt. Gnd. AB/ALT	Azimuth from Fac. Mag	Dist. from Fac. N.M.	Checkpoint Description
<b>Saint Thomas</b> (Cyril E. King)	108.6/STT	G	118	3.5	On taxiway North of main ramp. VOR gnd checkpoint unusable.

## PARACHUTE JUMPING AREAS

The following tabulation lists all reported parachute jumping areas in the area of coverage of this directory. Unless otherwise indicated, all activities are conducted during daylight hours and under VFR conditions. NOTAM D's may be issued to advise users of specific dates and times if outside the times/altitudes that are published. The busiest periods of activity are normally on weekends and holidays, but jumps can be expected at anytime during the week at the locations listed. Parachute jumping areas within restricted airspace are not listed.

All times are local and altitudes MSL unless otherwise specified.

Contact facility and frequency is listed at the end of the remarks, when available, in bold face type.

Refer to Federal Aviation Regulations Part 105 for required procedures relating to parachute jumping.

Organizations desiring listing of their jumping activities in this publication should contact Flight Service, tower, or ARTCC.

Qualified parachute jumping areas will be depicted on the appropriate visual chart(s).

Note: (c) in this publication indicates that the parachute jumping area is charted.

To qualify for charting, a jump area must meet the following criteria:

(1) Been in operation for at least 1 year.

(2) Log 1,000 or more jumps each year.

In addition, parachute jumping areas can be nominated by FAA Regions if special circumstances require charting.

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
<b>ALABAMA</b>			
Bayou La Batre, Roy E Ray Arpt ..	12 NM; 217° Brookley .....	12,500	Daily SR-SS.
Bessemer, Old Bessemer Arpt.....	16 NM; 057° Brookwood.....	10,000	1030-SS; weekends.
(c) Cullman, Cullman Rgnl-Folsom Fld Arpt .....	36 NM; 001° Vulcan .....	14,500	3 NM radius. SR-SS Sat-Sun, other times by NOTAM.
(c) Elberta, Horak Arpt.....	11 NM; 268° Sauflay .....	14,000	Daily 0700-1/2 hour after SS.
(c) Elberta, Perdido Winds Airpark	28.9 NM; 109° Brookley.....	10,000	2 NM radius. SR-SS. Joint use
Ellis Drop Zone .....	32 NM; 229° Rocket .....	1,500	0.4 NM radius. Occasional use.
Eutaw Muni Arpt .....	40 NM; 231° Brookwood.....	13,000 AGL	5 NM radius. Weekends and holidays.
(c) Fort Rucker, Cairns AAF .....	1.5 NM; 225° Cairns .....	14,500	SR-SS weekends.
Gadsden, Northeast Alabama Rgnl Arpt.....	3 NM; 230° Gadsden .....	14,000	Weekends and holidays 0900-SS.
Harvest, Epps Arpk.....	9 NM; 297° Rocket .....	13,500	Daily SR-SS.
Headland Muni Arpt .....	8 NM; 070° Wiregrass.....	15,000	1200-SS weekdays, SR-SS Sat-Sun and holidays.
Jones Drop Zone .....	6 NM; 276° Rocket .....	1,500	0.25 NM radius. Occasional use.
Kilby Drop Zone .....	13 NM; 014° Montgomery .....	1,500	0.2 NM radius. Occasional use.
Longstreet Drop Zone.....	13 NM; 345° Cairns .....	3,500 AGL	Occasional use.
Moundville Arpt.....	25 NM; 231° Brookwood.....	12,000 AGL	5 NM radius. 0900-SS on weekends, occasionally weekdays by NOTAM.
(c) Prattville-Grouby Fld Arpt .....	17 NM; 300° Montgomery .....	2,000	10NM radius. For specific times call 334-953-7325. <b>Montgomery Rgnl (Dannelly Fld) ATCT-Tracon (MGM) 121.2.</b>
Redstone Drop Zone .....	9 NM; 220° Rocket .....	1,500	0.2 NM radius. Occasional use.
Tommy Drop Zone .....	17 NM; 235° Montgomery .....	1,500	0.2 NM radius. Occasional use.
(c) Tuskegee, Moton Fld Muni .....	2 NM; 198° Tuskegee .....	12,500	3 NM radius. Occasionally on weekends.
Vincent .....	37 NM; 130° Vulcan .....	10,000	5 NM radius. 0900-SS weekends.

# PARACHUTE JUMPING AREAS

509

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
<b>FLORIDA</b>			
Arcadia Muni.....	23 NM; 311° La Belle .....	15,000	5 NM radius. Daily SR--SS. Occasional ngt use.
Avon Park Drop Zone .....	43 NM; 267° Treasure .....	4,000	0.5 NM radius. Occasional use.
Avon Park Executive Arpt .....	30 NM; 138° Lakeland .....	4,000	4 NM radius. Daily SR--SS.
Brandon, Sod Farm.....	16 NM; 255° Lakeland .....	15,000	0830-1830 weekends.
Chassahowitzka Drop Zone .....	38 NM; 010° St. Petersburg .....	4,000	0.25 NM radius. Occasional use.
(c) Clewiston, Airglades Arpt.....	19 NM; 106° La Belle .....	13,500	1 NM radius. Daily SR--SS.
(c) Coleman, Freeflight Arpt.....	24 NM; 155° Ocala.....	15,000	3 NM radius. Daily SR--SS.
(c) Deland Muni--Sidney H Taylor Fld .....	17 NM; 212° Ormond Beach.....	15,000	1 NM radius. SR--SS Sat, Sun, and occasional weekdays.
Englewood, Buchan Arpt .....	28 NM; 158° Sarasota .....	15,000 AGL	2 NM radius. Sunday 1000--SS.
(c) Fernandina Beach Muni Arpt ..	17 NM; 012° Craig.....	10,000	1 NM radius. Daily, SR--SS.
Florabama Drop Zone.....	16 NM; 216° Sauffley.....	14,000	2 NM radius. Fri--Sun 0830--SS.
(c) Florida, Skydive North Florida Drop Zone .....	24 NM; 074° Crestview .....	14,500	3 NM radius. SR-SS. <b>125.1 Egin Radar Control Facility.</b>
(c) Homestead AFB NR 1 .....	4 NM; 013° Homestead .....	15,000	5 NM radius. Occasional use day and night.
(c) Homestead, Miami Homestead General Aviation.....	22 NM; 218° Dolphin.....	15,000	5 NM radius. 24 hrs daily.
Jacksonville, Herlong Arpt .....	15 NM; 255° Craig.....	15,000	1 NM radius. Daily SR--SS with prior notification to JAX APP CON.
Key West .....	1 NM; 095° Key West.....	7,000	0.25 NM radius. Occasional use.
(c) Lake Wales Muni .....	21 NM; 104° Lakeland .....	18,000	7 NM radius. Daily 24 hrs. <b>Miami Center 127.2.</b>
Lewellen Drop Zone .....	33 NM; 228° Craig.....	4,000	0.25 NM radius. Occasional use.
(c) MacDill AFB.....	11 NM; 110° St. Petersburg .....	10,000	0600-1100 Sun. Over Rwy 31.
MacDill AFB NR 2 .....	0 NM; 136° St. Petersburg .....	7,500	Daily 0700-1800.
Merrill Drop Zone.....	19 NM; 219° Crestview.....	3,000	Intermittent.
(c) Myakka City .....	18 NM; 097° Sarasota.....	12,500	5 NM radius. 24 hrs daily.
(c) New Smyrna Beach, Massey Ranch Airpark.....	22 NM; 150° Ormond Beach.....	15,000	1 NM radius. SR--SS weekends, occasionally weekdays.
(c) Palatka Muni--Lt. Kay Larkin Fld.....	31 NM; 098° Gators.....	15,000	5 NM radius. Daily 0900-1800. <b>Jacksonville Intl Twr 121.0.</b>
(c) Pahokee, Palm Beach Co Glades Arpt .....	at Pahokee.....	17,500	3 NM radius. Daily 0800-1800.

PARACHUTE JUMPING AREAS

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
Panama City, Tyndall AFB .....	7 NM; 130° Tyndall .....	2,000	Daily SR-SS. Parasail training area.
Pensacola .....	4.5 NM; 020° Saufley .....	15,000 AGL	0.5 NM radius. Daily SR-SS.
(c) Plant City, Blackwater Creek UltralightFld .....	11 NM; 321° Lakeland .....	17,500	5 NM radius. Daily SR-SS. PJA is over and east of Rwy 17-35. <b>Tampa Intl Twr 135.5.</b>
Range 75 Drop Zone .....	17.5 NM; 205° Crestview .....	3,000	0.5 NM radius. Occasional use.
(c) Quincy Muni Arpt .....	10 NM; 288° Seminole .....	15,000	Daily SR-SS.
St. Augustine .....	35 NM; 159° Craig .....	12,500	Sat-Sun, occasionally weekdays.
(c) Sebastian Muni .....	8 NM; 001° Treasure .....	14,000	2.5 NM radius. Daily SR-SS.
(c) Shell Creek Airpark .....	27.5 NM; 347° Lee County .....	13,000	1 NM radius. SR-SS weekends, holidays.
(c) Sugar Loaf Shores Arpt .....	13 NM; 071° Key West .....	14,000	2 NM radius. Daily SR-SS.
Sun City .....	22 NM; 123° St. Petersburg .....	12,500	SR-SS weekends, and occasional holidays.
(c) Titusville, Arthur Dunn Air Park	33 NM; 348° Melbourne .....	13,500	1 NM radius. Daily SR-SS.
(c) Tri-County Jump Area .....	25 NM; 277° Marianna .....	14,500	3 NM radius. SR-SS weekends. <b>Cairns AAF (Fort Novosel) ATCT 133.75.</b>
Wakulla Co Arpt .....	35 NM; 180° Seminole .....	13,500	3 NM radius. SR-SS weekends occasionally weekdays. <b>Tallahassee Intl Twr 135.8.</b>
Wilma Drop Zone .....	40 NM; 235° Seminole .....	2,000	Weekdays, evenings.
(c) Zephyrhills Muni .....	16 NM; 330° Lakeland .....	20,000	Daily SR-SS. E of Rwy 18-36.

# PARACHUTE JUMPING AREAS

511

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
<b>GEORGIA</b>			
Bunker Hill Drop Zone.....	10 NM; 233° Harris .....	8,000	1 NM radius. SR-1 hr after SS daily, irregular intervals. Mass military jumps from multiple acft.
(c) Cedartown, Polk Co Arpt-Cornelius Moore Fld, Skydive Georgia .....	9 NM; 188° Rome.....	15,000	5 NM radius. Daily SR-SS. <b>Atlanta Center 124.5.</b>
(c) Cedartown, Polk Co Arpt-Cornelius Moore Fld, Skydive Spaceland - Atlanta....	11 NM; 192° Rome.....	15,000	5 NM radius. Thur to Mon SR-SS. All jumps in confines of arpt.
Claxton-Evans Co Arpt .....	33.6 NM; 276° Savannah .....	7,500	0900-SS Sat and Sun.
(c) Cy Nunnally Memorial .....	22 NM; 242° Athens .....	13,500	5 NM radius. Daily 0800-2100.
(c) Dahlonega, Lumpkin County Arpt, Wimpys Drop Zone.....	23 NM; 193° Harris .....	15,000	1 NM radius. SR to 1 hr after SS daily, irregular intervals. Mass military jumps from multiple acft.
Dahlonega Highway 76 Drop Zone	11 NM; 231° Harris .....	3,000	Occasional use.
Fort Benning, Arkman Drop Zone	24 NM; 152° Columbus.....	3,000	Occasional use.
Fort Benning, Box Spring Drop Zone .....	24.5 NM; 116° Columbus.....	3,000	Occasional use.
Fort Benning, Eelbeck Drop Zone .	17.5 NM; 131° Columbus.....	3,000	Occasional use.
(c) Fort Benning, EuBanks Drop Zone .....	16 NM; 171° Columbus.....	12,500	Daily 0500-1900.
(c) Fort Benning, Fryar Field Drop Zone .....	22.5 NM; 168° Columbus.....	13,000	0.5 NM radius. Continuous.
(c) Fort Benning, Gardner Drop Zone .....	17 NM; 171° Columbus.....	12,500	Daily 0500-1900.
Fort Benning, Lawson AAF .....	1.8 NM; 046° Lawson .....	12,500	1 NM radius. Daily SR-SS.
Fort Benning, Lae Drop Zone .....	21 NM; 166° Columbus.....	3,000	Occasional use.
Fort Benning, Ledo Drop Zone ....	14 NM; 090° Lawson .....	3,000	Occasional use.
Fort Benning, Lee Field Drop Zone	17 NM; 137° Columbus.....	13,000	0.25 radius. Continuous Mon-Fri.
Fort Benning, Lee North.....	16.5; 134° Columbus .....	3,000	Occasional use.
Fort Benning, McKenna Drop Zone	10 NM; 080° Columbus.....	3,000	Occasional use.
(c) Fort Benning, York Drop Zone .	16 NM; 172° Columbus.....	12,500	Daily 0500-1900.
Fort Stewart, Canoochee .....	8.6 NM; 015° McIntosh.....	1,500	Occasional use - Military.
Fort Stewart, Jaeck Drop Zone ....	18.8 NM; 292° McIntosh .....	1,500	Occasional use - Military.
Fort Stewart, Metz Drop Zone .....	19.4 NM; 306° McIntosh .....	1,500	Occasional use.
Fort Stewart, Remagen Drop Zone	21.7 NM; 316° McIntosh .....	1,500	Occasional use.
Fort Stewart, St Lo Drop Zone.....	21.2 NM; 310° McIntosh .....	1,500	Occasional use.
Fort Stewart, Tac-X Drop Zone ....	18 NM; 335° McIntosh .....	1,500	Occasional use - Military.
Fort Stewart, Taro Drop Zone .....	10.5 NM 042° McIntosh .....	1,500	Occasional use - Military.
Fort Stewart, Taylor Creek Drop Zone .....	12.5 NM; 304° McIntosh .....	1,500	Occasional use.
Fort Stewart, Victory Drop Zone ..	4.3 NM; 324° McIntosh .....	1,500	Occasional use - Military.
Fort Valley, Big Dog Cameron Fld Drop Zone .....	26.1 NM; 319° Vienna .....	14,000 AGL	1 NM radius. Daily 0900-SS.
Plantation Airpark Arpt.....	27 NM; 215° Allendale .....	17,999	5 NM radius. Continuous.
Plantation Airpark, Moore Drop Zone .....	36 NM; 332° Savannah .....	15,000 AGL	1 NM radius. Occasional use. Mass Military jumps from multiple acft.
Thomaston-Upson County Arpt Drop Zone .....	47.9 NM; 096° LaGrange.....	15,000 AGL	3 NM radius. Daily 0700-SS daily.
Tifton, Henry Tift Myers Arpt Drop Zone .....	177.3 NM; 047° Vienna .....	15,000 AGL	5 NM radius. Daily 0700-1800.
Waycross-Ware Co Arpt .....	8 NM; 100° Waycross .....	12,500	1 NM radius. Daily 1000-1600.
Wilscott Drop Zone .....	14 NM; 245° Harris .....	8,000	1 NM radius. SR to 1 hr after SS daily, irregular intervals. Mass military jumps from multiple acft.



## PARACHUTE JUMPING AREAS

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
<b>KENTUCKY</b>			
(c) Addington Fld .....	12 NM; 285° New Hope.....	11,000	3 NM radius. SR–SS weekends and noon–SS weekdays.
Elkton, Standard Fld.....	16 NM; 045° Clarksville .....	12,000	5 NM radius. Continuous.
(c) Flemingsburg, Fleming Mason Arpt.....	27 NM; 103° Falmouth .....	12,500	1 NM radius. Sat–Sun and holidays.
Glasgow Muni Arpt.....	38.5 NM; 200° New Hope.....	8,000	5 NM radius. SR–SS weekends and holidays
(c) Hopkinsville–Christian Co .....	14 NM; 352° Clarksville .....	14,500	3 NM radius. 0900–1600 Tue–Fri; occasional weekends.
<b>NORTH CAROLINA</b>			
(c) Albemarle, Palestine Drop Zone	30 NM; 297° Sandhills.....	12,500	5 NM radius. 24 hrs daily. Stanly Co Twr 126.275.
(c) Beaufort, Crystal Coast Drop Zone .....	34-44-41.5 N, 076-39-37.3 W ...	14,000 AGL	5 NM radius. Continuous. Military Use.
Erwin Arpt. ....	22 NM; 030° Fayetteville.....	4,500	1 NM radius. Sat & Sun afternoons
Fayetteville, All American Drop Zone.....	20 NM; 294° Fayetteville.....	2,000	Daily 0600–1900. Military Use.
Fayetteville, Holland Drop Zone .....	22 NM; 300° Fayetteville.....	12,500	Continuous. Military Use.
(c) Fayetteville, Luzon Drop Zone .....	13.7 NM; 156° Sandhills.....	17,999	5 NM. Sat–Sun 24 hours. Military Use.
Fayetteville, Nijmegen Drop Zone.	23 NM; 285° Fayetteville.....	12,500	Daily 0600-1900. Military Use.
Fayetteville, Normandy Drop Zone.....	18 NM; 300° Fayetteville.....	12,500	Continuous. Military Use.
Fayetteville, Saint Mere Drop Zone	12 NM; 295° Fayetteville.....	12,500	Continuous. Military Use.
Fayetteville, Salerno Drop Zone ...	20 NM; 305° Fayetteville.....	12,500	Continuous. Military Use.
Fayetteville, Sicily Drop Zone.....	15 NM; 307° Fayetteville.....	12,500	Continuous. Military Use.
(c) Fayetteville, Southern Comforts Arpt.....	9 NM; 220° Fayetteville.....	14,000	3 NM radius. Military Use.
Greensboro, Southeast Greensboro Arpt .....	18 NM; 115° Greensboro.....	12,000	1 NM radius. 0800–2000 Sat and Sun.
Greenville .....	8 NM; 339° Liberty .....	11,000	3 NM radius. 0800–1800 Fri–Sun.
Jacksonville .....	22 NM; 040° Kinston .....	15,500	Daily SR–SS. Military Use.
Jacksonville, Albatross Drop Zone	11 NM; 141° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Bluebird Drop Zone	11 NM; 151° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Canary Drop Zone ...	9.5 NM; 154° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Crow Drop Zone .....	9.5 NM; 130° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Eagle Drop Zone.....	1.5 NM; 130° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Falcon Drop Zone ....	11 NM; 137° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Gander Drop Zone ...	10.5 NM; 134° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Goose Drop Zone.....	10.5 NM; 132° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Owl Drop Zone .....	7.9 NM; 180° New River .....	2,000	1 NM radius. Military Use.
Jacksonville, Penguin Drop Zone..	8 NM; 113° New River .....	2,000	1 NM radius. Military Use.
(c) Jonesville, Swan Creek Arpt....	27 NM; 045° Barretts Mountain ...	15,000	3 NM radius. Daily SR–SS, occasional night.
(c) Louisburg, North Raleigh .....	22 NM; 065° Raleigh–Durham ....	15,500	30 min before SR–30 min after SS daily. Occasional nights.

## PARACHUTE JUMPING AREAS

513

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
(c) <b>Louisburg, Triangle North Executive Arpt.</b> .....	23.9 NM, 077° Raleigh-Durham ..	14,500	3 NM radius. SR-SS Wed-Sun.
<b>Mackall AAF, Oran Drop Zone</b> .....	13.8 NM; 170° Sandhills .....	17,999	5 NM radius. Sat-Sun 24 hrs. Military Use.
(c) <b>Maiden, Laney's Drop Zone</b> .....	24.4 NM; 346° Charlotte .....	11,000	1 NM radius. Weekends, occasional weekdays SR-SS. <b>Charlotte/Douglas Intl ATCT-Tracon 134.74.</b>
(c) <b>Maxton, Laurinburg-Maxton Arpt.</b> .....	26 NM; 250° Fayetteville .....	13,500	0800-1700 Mon-Fri.
<b>Pinebluff</b> .....	8.75 NM; 143° Sandhills .....	12,500	Sat, Sun and holidays. Weekdays on request.
(c) <b>PK Airpark</b> .....	17 NM; 280° Fayetteville .....	12,500 AGL	Continuous. <b>Monitor 123.5.</b>
<b>Reidsville, Rockingham Co Arpt ...</b>	24 NM; 020° Greensboro .....	12,000	1 NM radius. SR-SS Sat and Sun.
(c) <b>Salisbury, Mid-Carolina Regional Drop Zone</b> .....	34.5 NM; 043° Charlotte .....	17,999	3 NM radius. Weekends SR-SS and weekdays 10am-SS. <b>Charlotte/Douglas Intl ATCT-Tracon 128.32.</b>
(c) <b>Southport, Cape Fear Rgnl Jetport/Howie Franklin Fld Arpt</b>	27.2 NM; 209° Wilmington .....	12,000	3 NM radius. Daily SR-SS.
<b>Thomasville</b> .....	13 NM; 201° Greensboro .....	14,000	Weekends and holidays.

## PARACHUTE JUMPING AREAS

LOCATION	DISTANCE AND RADIAL FROM NEAREST VOR/VORTAC OR GEOGRAPHIC COORDINATES	MAXIMUM ALTITUDE	REMARKS
<b>SOUTH CAROLINA</b>			
(c) Anderson Rgnl Arpt.....	5.9 NM; 040° Electric City.....	12,500	2 NM radius. Sat–Sun, SR–SS.
Beaufort Exec Arpt .....	38.25 NM; 067° Savannah.....	10,000	1 NM radius. Sat, Sun and holidays SR–SS.
(c) Chester Catawba Rgnl Arpt....	26.9 NM; 212° Charlotte.....	13,500 AGL	1 NM radius. Daily 0800–SS.
Clemson–Oconee Co. Arpt. ....	14 NM; 343° Electric City.....	12,000	Daily SR–SS.
Columbia, Fort Jackson.....	10 NM; 020° Columbia .....	10,000	1 NM radius. Weekends, occasional weekdays.
(c) Green Sea Arpt.....	25 NM; 330° Grand Strand.....	15,000	3 NM radius. Weekends and occasional weekdays SR–SS.
(c) Loris, Twin City Arpt .....	15 NM; 340° Grand Strand.....	12,000	Weekends, holidays 0800–SS.
(c) North AF Aux Arpt .....	15 NM; 186° Columbia .....	2,000	0.5 NM radius. Mon–Fri 0800–2200. Military personnel and heavy equipment.
St George Arpt .....	17 NM; 192° Vance.....	17,900	4 NM radius. SR–1 hr after SS.
Timmonsville, Huggins Arpt.....	14 NM; 247° Florence.....	12,500	Daily SR–SS.
(c) Walterboro, Lowcountry Rgnl Arpt.....	30.5 NM; 275° Charleston.....	12,500 AGL	Weekends.
<b>TENNESSEE</b>			
Chapmansboro, Whifferdill Drop Zone .....	25 NM; 303° Nashville.....	11,500	2 NM radius. SR–SS Sat–Sun.
Chattanooga .....	13 NM; 087° Choo Choo .....	10,000	Continuous.
Clarksville, Outlaw Fld .....	Over Clarksville .....	14,000 AGL	4 NM radius. Daily SR–SS, occasional ngt jumps.
Crossville Mem–Whitson Fld.....	11.5 NM; 335° Hinch Mountain...	14,500	1 NM radius. Daily SR–1 hr after SS, occasional nghts.
(c) Dandridge, Dumplin Fld .....	18.1 NM; 072° Volunteer .....	15,000	3 NM radius. Daily SR–SS.
(c) Dunlap .....	30 NM; 335° Choo Choo .....	9,000	5 NM radius. Daily SR–SS.
Fort Campbell, Bastogne Drop Zone .....	6 NM; 274° Clarksville .....	12,500	0.5 NM radius. Daily.
Fort Campbell, Corregidor Drop Zone .....	7.25 NM; 250° Clarksville .....	12,500	0.25 NM radius. Daily.
Fort Campbell, Los Banos Drop Zone .....	7.75 NM; 224° Clarksville .....	12,500	0.5 NM radius. Daily.
Fort Campbell, Son Drop Zone....	1.2 NM; 175° Clarksville .....	12,500	Daily.
Fort Campbell, Suckchon Drop Zone .....	9 NM; 212° Clarksville .....	12,500	0.5 NM radius.
(c) Greenville .....	26.6 NM; 031° Snowbird .....	12,500	3 NM radius. Sat, Sun, Mon, Thu, Fri 1200–0100 lcl. <b>Tri-Cities ATCT–Tracon 125.5.</b>
Livingston, Livingston Muni.....	13 NM; 212° Livingston .....	12,500	Weekends.
Sevierville, Seymour Airpark .....	10 NM; 133° Volunteer .....	13,500	3 NM radius. Weekends SR–SS.
(c) Hickory Valley, West Tennessee Skydiving .....	26 NM; 213° McKellar .....	15,000	2 NM radius. Weekends 0700–SS. Occasional ngt jumps. Arpt overflight not authorized.
(c) Tullahoma Rgnl Arpt/WM Northern Fld.....	14.1 NM; 139° Shelbyville.....	10,000	3 NM radius. SR–SS primarily weekends with occasional ngt jumps.
<b>PUERTO RICO</b>			
(c) Arecibo, Antonio/Nery/Juarbe Pol Arpt. ....	25 NM; 105° Borinquen .....	12,500	0600–1800 weekends & holidays.
(c) Humacao, Dr Hermenegildo Ortiz Quinones Arpt.....	20.9 NM; 159° San Juan.....	15,000	2.5 NM radius. Weekends SR–SS, occasionally holiday SR–SS.
<b>VIRGIN ISLANDS</b>			
St. Thomas, Cyril E. King No. 1 ...	6.5 NM; 118° St. Thomas .....	15,000	
	10.5 NM; 110° St. Thomas .....	15,000	

Contained within this tabulation, and listed alphabetically by airport name, are all private-use airports charted on the U.S. IFR Enroute Low and High Altitude charts in the United States, having terminal approach and departure control facilities. Additionally, listed by country, are all Canadian and Mexican airports that appear on the U.S. IFR Enroute charts with approach and departure control services. All frequencies transmit and receive unless otherwise noted. Radials defining sectors are outbound from the facility.

UNITED STATES

FACILITY NAME	CHART & PANEL
Cabaniss Fld NOLF, TX (NGW) Corpus App/Dep Con 125.4 307.9 Navy Cabaniss Tower 119.65 299.6 (Mon–Thu 1400–0500Z‡, Fri 1400–0100Z‡)	L–20H, 21A
Fentress NALF, VA (NFE) Oceana App/Dep Con 123.9 266.8	H–10I, 12I, L–35D
Fry, OH (ØOH8) Columbus App/Dep Con 118.425	L–27E
Gila Bend AF AUX, AZ (GXF) Luke App/Dep Con 125.45 263.125 (South) (Mon–Thu 1300–0530Z, Fri 1300–0130Z, clsd weekends and hol)	H–4J, L–5B
Glasgow Industrial, MT (Ø7MT) Salt Lake Center App/Dep Con 126.85 305.2	H–1E, 2G, L–13D
Joe Williams NOLF, MS (NJW) Meridian App/Dep Con 276.4 Bravo Tower 118.475 279.2 355.8 (Mon–Fri 1400–2330Z‡)	H–6J, L–18G
Oak Grove MCOLF, NC (13NC) Cherry Point App/Dep Con 119.35 377.175	L–35B
Shell AHP, AL (SXS) Cairns App/Dep Con 133.45 239.275 (24 hrs Tue–Sat, 1200–0500Z‡ Sun–Mon) other times ctc Jax Center App/Dep Con 134.3 322.55 Shell Tower 139.125 244.5 (1230–0600Z‡ Mon–Fri, exc hol)	L–22I
USAF Academy Bullseye Aux Airfield, CO (CO9Ø) ASOS 125.0	L–10F
Webster NOLF, MD (NUI) Patuxent App/Dep Con 121.0 250.3 Navy Webster Tower 127.0 358.0 (Mon–Fri, exc hol, other times on request, 1400–2200Z‡ or SS, whichever occurs first) For Clnc Del when NHK Apch is clsd ctc Potomac Apch at 866–640–4124	H–10I, 12I, L–34E, 36I
Whitehouse NOLF, FL (NEN) Jax Center App Con 127.775 377.075 Jax Center Dep Con 127.775 379.9 Whitehouse Tower 125.15 307.325 340.2 (Manned during scheduled operations only)	H–8H, L–21D, 24G
William P Gwinn, FL (Ø6FA) Palm Beach App/Dep Con 317.4 Gwinn Tower 120.4 279.25 (Mon–Fri 1300–2100Z‡) Gnd Con 121.65 279.25	H–8I, L–23C

CANADA

FACILITY NAME	CHART & PANEL
Abbotsford, BC (CYXX) ATIS 119.8 (1500–0700Z‡) Victoria Trml App/Dep Con 132.7 (Avbl on ground) Tower 119.4 (Inner) 121.0 (Outer) 295.0 (1500–0700Z‡) Gnd Con 121.8 MF 119.4 295.0 (0700–1500Z‡) (Shape irregular to 4500´)	H–1B, L–12F
Amos/Magny, QC (CYEY) Montreal Center App/Dep Con 125.9	H–11B
Atikokan Muni, ON (CYIB) MF 122.3 (5 NM to 4500´ No ground station)	L–14I
Barrie–Orillia (Lake Simcoe Rgnl), ON (CYLS) Toronto Center App/Dep Con 124.025	H–11B, L–31D
Bar River, ON (CPF2) Toronto Center App/Dep Con 132.65	L–31C
Bathurst, NB (CZBF) Moncton Center App/Dep Con 134.25 AWOS 127.925	L–32J
Boundary Bay, BC (CZBB) ATIS 125.5 (1500–0700Z‡) Vancouver App/Dep Con 132.3 363.8 Tower 118.1 (Inner) 127.6 (Outer) (1500–0700Z‡) Gnd Con 124.3 MF 118.1 (0700–1500Z‡ to 2000´. Vancouver Trml 125.2 above 2000´. Shape irregular to 2500´.)	H–1B, L–1E
Brampton, ON (CNC3) Toronto Trml App/Dep Con 119.3	L–31D
Brandon Muni, MB (CYBR) Winnipeg Center App/Dep Con 132.25 MF 122.1 (5 NM to 4000´)	H–2H

## CANADA

FACILITY NAME	CHART & PANEL
Brantford, ON (CYFD) Toronto Trml App/Dep Con 128.27	L-31D
Brockville Rgnl Tackaberry ON (CNL3) Montreal Center App/Dep Con 134.675	L-32G
Bromont, QC (CZBM) Montreal Center App/Dep Con 132.35 MF 122.15 (5 NM to 3400') AUTO 122.975	L-32G
Burlington Executive, ON (CZBA) Toronto Center App/Dep Con 119.3 AUTO 122.55	L-31D
Castlegar/West Kootenay Rgnl, BC (CYCG) Vancouver Center App/Dep Con 134.2 227.3 MF 122.1 (5 NM to 6500')	H-1C
Centralia/James T. Fld Muni, ON (CYCE) Toronto Center App/Dep Con 135.30	H-10G, 11B, L-31D
Charlottetown, PE (CYYG) Moncton Center App/Dep Con 135.65 384.8 MF 118.0 (5 NM to 3200')	H-11E, L-32J
Chatham-Kent, ON (CYCK) Cleveland Center App/Dep Con 132.25	H-10G, L-30G
Collingwood, ON (CNY3) Toronto Center App/Dep Con 124.02	H-11B, L-31D
Cornwall Rgnl, ON (CYCC) Boston Center App/Dep Con 135.25 377.1	L-32G
Cranbrook/Canadian Rockies Intl, BC (CYXC) Vancouver Center App/Dep Con 133.6 MF 122.3 (5 NM to 6100')	H-1C
Debert, NS (CCQ3) Halifax Trml App/Dep Con 119.2 AUTO 122.275	H-11E, L-32J
Digby, NS (CYID) Moncton Center App/Dep Con 123.9	L-32J
Downsview, ON (CZVD) Toronto Center App/Dep Con 133.4 MF 126.2 (1300-2300Z±, 3 NM to 1700')	H-11B, L-31E
Drummondville, QC (CSC3) Montreal Center App/Dep Con 132.35	L-32H
Earlton (Timiskaming Rgnl), ON (CYXR) MF 122.0 (5 NM to 3800')	H-11B
Elliot Lake Muni, ON (CYEL) Toronto Center App/Dep Con 135.4	L-31C
Fort Frances Muni, ON (CYAG) Minneapolis Center App/Dep Con 120.9	L-14H
Fredericton Intl, NB (CYFC) ATIS 127.55 (1045-0345Z±, OT AWOS) Moncton Center App/Dep Con 124.3 135.5 270.8 Tower 119.0 (1045-0345Z±) Gnd Con 121.7 (1045-0345Z±) MF 119.0 (0345-1045Z±, 5 NM to 3500')	H-11E, L-32I
Goderich, ON (CYGD) Toronto Center App/Dep 135.3 266.3	H-11B, L-31D
Greenwood, NS (CYZX) ATIS 128.85 244.3 (1100-0000Z±) App/Dep Con 120.6 335.9 Tower 119.5 236.6 324.3 Gnd Con 133.75 289.4 Clnc Del 128.025 283.9	H-11E, L-32J
Grimsbey Air Park, ON (CNZ8) Toronto Trml App/Dep Con 128.27 268.75 Tower 125.0 308.475	L-31E
Halifax/Shearwater, NS (CYAW) ATIS 129.175 308.8 (Ltd hrs) App/Dep Con 119.2 MF Shearwater Advisory 119.0 126.2 340.2 360.2 (Ltd hrs) Gnd Con 121.7 250.1	H-11E, L-32J
Halifax/Stanfield Intl, NS (CYHZ) ATIS 121.0 Moncton Center App/Dep Con 135.3 Tower 118.4 236.6 Gnd Con 121.9 275.8 Clnc Del 123.95	H-11E, L-32J
Hamilton, ON (CYHM) ATIS 128.1 Toronto Trml App/Dep Con 119.7 Tower 125.0 Gnd Con 121.6	H-10H, 11B, L-11B
Kingston, ON (CYGK) ATIS 135.55 (1115-0400Z±) Montreal Center App/Dep Con 135.05 (0400-1115Z±) MF 122.5 (1115-0400Z± 5 NM to 3300')	H-11C, L-31E, 32F

SUPPLEMENTAL COMMUNICATION REFERENCE

517

CANADA

FACILITY NAME	CHART & PANEL
Kitchener/Waterloo, ON (CYKF) ATIS 125.1 (1200-0400Z‡) Toronto Trml App/Dep Con 128.275 Waterloo Tower 126.0 118.55 (1200-0400Z‡) Gnd Con 121.8 MF 126.0 (0400-1200Z‡ 5 NM to 4000´) AWOS 125.1 (0400-1200Z‡)	H-11B, L-31D
Lachute, QC (CSE4) Montreal Center App Con 124.65 268.3 Montreal Center Dep Con 132.85 268.3	L-32G
La Tuque, QC (CYLQ) Montreal Center App/Dep Con 134.5 AUTO 122.975	H-11C
Langley, BC (CYNJ) ATIS 124.5 (1630-0230Z, DT 1530-0330Z) Victoria Trml App/Dep Con 132.7 290.8 Tower 119.0 (1630-0230Z, DT 1530-0330Z) Gnd Con 121.9 MF 119.0 (0230-1630Z, DT 0330-1530Z 3 NM to 1900´)	L-1E
Leamington, ON (CLM2) Detroit Approach App/Dep Con 134.3	L-30F
Lethbridge, AB (CYQL) ATIS 124.4 (1245-0545Z‡) Edmonton Center App/Dep Con 132.75 265.2 MF 121.0 (5 NM to 6000´)	H-1D
Lindsay, ON (CNF4) Toronto Center App/Dep 134.25	L-31E, L-32F
Liverpool/South Shore Rgnl, NS (CYAU) Moncton Center App/Dep Con 123.9	L-32J
London, ON (CYXU) ATIS 127.8 (1120-0345Z‡) Toronto Center App/Dep 135.3 135.625 Tower 119.4 125.65 (1120-0345Z‡) Gnd Con 121.9 MF 119.4 (0345-1120Z‡ 5 NM to 3000´)	H-10G, 11B, L-30G, 31D
Maniwakin/Manitoulin East Muni, ON (CYEM) Toronto Center App/Dep 135.4 260.9	L-31C
Maniwaki, QC (CYMW) Montreal Center App/Dep Con 126.57	L-32G
Mascouche, QC (CSK3) MF 122.35 (5 NM to 2500´. No gnd station. Excluding the portion S of the N shore of Riviere des Milles-Iles and 1 NM around Lac Agile Mascouche arpt.)	L-32G
Medicine Hat, AB (CYXH) ATIS 124.875 (1245-0345Z) MF 122.2 (1245-0345Z 5 NM to 5400´)	H-1D
Midland/Huron, ON (CYEE) Toronto Center App/Dep 124.025	L-31D
Miramichi, NB (CYCH) Moncton Center App/Dep Con 123.7	H-11E, L-32J
Moncton/Greater Moncton Intl, NB (CYQM) ATIS 128.65 App/Dep 124.4 Tower 120.8 236.6 Gnd Con 121.8 275.8 Apron Advisory 122.075	H-11E, L-32J
Mont-Laurier, QC (CSD4) Montreal Center App/Dep Con 126.57	L-32G
Montreal Intl (Mirabel), QC (CYMX) ATIS 125.7 Montreal Center App/ Dep Con 124.65 268.3 MF 119.1 (7 NM shape irregular to 2000´) (03-11Z (DT 02-10Z)) (emerg only 450-476-3141) VFR Advisory 134.15 GND 121.8 (11-03Z (DT 10-02Z)) TWR 119.1 (11-03Z (DT 10-02Z)) (emerg only 450-476-3141) GND Advisory 121.8 (03-11Z (DT 02-10Z)) (emerg only 450-476-3141) (PTC avbl)	H-11C, 12K, L-32G
Montreal/Pierre Elliott Trudeau Intl, QC (CYUL) ATIS 133.7 Montreal Trml App Con 118.9 126.9 132.85 268.3 Tower 119.3 119.9 124.3 (old port) 267.1 Gnd Con 121.0 (West) 121.9 (East) 275.8 Cinc Del 125.6 Apron 122.275 (West) 122.075 (East) Montreal Trml Dep Con 120.42 (SE-S-SW) 124.65 (W-NW-NE) 268.3 VFR Advisory 134.15	H-11C, 12K, L-32G

## CANADA

FACILITY NAME	CHART & PANEL
Montreal/St-Hubert, QC (CYHU) ATIS 124.9 (Apr-Oct Mon-Fri 1045-0500Z†, Apr-Oct Sat-Sun 1045-0300Z†, Nov-Mar Mon-Fri 1045-0400Z†, Nov-Mar Sat-Sun 1045-0100Z†) Montreal Center App/Dep Con 125.15 268.3 St. Hubert Tower 118.4 (VFR Arr North) 121.3 (VFR Arr South and East) (Apr-Oct Mon-Fri 1045-0500Z†, Apr-Oct Sat-Sun 1045-0300Z†, Nov-Mar Mon-Fri 1045-0400Z†, Nov-Mar Sat-Sun 1045-0100Z†) Gnd Con 126.4 (Apr-Oct Mon-Fri 1045-0500Z†, Apr-Oct Sat-Sun 1045-0300Z†, Nov-Mar Mon-Fri 1045-0400Z†, Nov-Mar Sat-Sun 1045-0100Z†) MF 118.4 (Apr-Oct Tues-Sat 0500-1045Z†, Apr-Oct Sun-Mon 0300-1045Z†, Nov-Mar Tues-Sat 0400-1045Z†, Nov-Mar Sun-Mon 0100-1045Z†) 5 NM shape irregular to 2000' VFR Advisory 134.15 MIL 135.9 322.1 (438 Sqn Ops)	H-11C, L-32G
Muskoka, ON (CYQA) Timmins Radio App/Dep Con 122.3 MF 122.3 (5 NM to 3900')	H-11B, L-31D
Nanaimo, BC (CYCD) ATIS 128.425 (1-877-517-2847)(1400-0500Z) Victoria Trml App/Dep 120.8 121.075 252.3 MF 122.1 291.8 1330-0530Z† (5 NM to 2500') GND ADV 122.6 (1330-0530Z (DT 1230-0430Z)) (emerg only 250-245-4032) (PTC avbl)	H-1B, L-1E
North Bay, ON (CYYB) ATIS 124.9 (1130-0330Z†) Toronto Center App/Dep 127.25 MF 118.3 (1130-0330Z† 7 NM to 5000')	L-31E
Oshawa, ON (CYYO) ATIS 125.675 (1130-0330Z†) Toronto Trml App/Dep Con 133.4 Tower 120.1 (1130-0330Z†) Gnd Con 118.4 MF 120.1 (0330-1130Z† 5 NM to 3000')	L-31E
Ottawa/Carp, ON (CYRP) ATIS 121.15 Ottawa Trml App/Dep Con 127.7	L-31E, 32F
Ottawa/Gatineau, QC (CYND) Ottawa Trml App/Dep Con 127.7 128.175 MF 122.3 (5 NM shape irregular to 2500) VFR Advisory Ottawa Trml 127.7 GND ADV 122.6 1130-0215Z (DT 1030-0115Z) (emerg only 819-643-2961)	H-11C, L-32G
Ottawa/MacDonald-Cartier Intl, ON (CYWOW) ATIS 121.15 Ottawa App Con 135.15 Tower 118.8 (VFR South) 120.1 (VFR North) 118.8 341.3 Gnd Con 121.9 Clnc Del 119.4 Ottawa Dep Con 128.175	L-11C
Owen Sound/Billy Bishop Rgnl, ON (CYOS) Toronto Center App/Dep 132.575 290.6	L-31D
Pelee Island, ON (CYPT) Cleveland Center App/Dep Con 126.35 360.0	L-30F
Pembroke, ON (CYTA) Montreal Center App/Dep Con 135.2 Petawawa Advisory 126.4 250.1 (Mon-Fri 1300-2130Z†, OT PPR)	H-11C, L-31E, 32F
Penticton, BC (CYYF) Vancouver Center App/Dep Con 133.5 351.3 MF 118.5 (5 NM to 4100) GND ADV 121.9 (emerg only 250-492-3001)	H-1B
Peterborough, ON (CYPQ) Toronto Center App/Dep 134.25 MF 123.0 (5 NM to 3600')	H-11B, L-31E, 32F
Pincher Creek, AB (CZPC) Edmonton Center App/Dep Con 132.75 265.2	H-1D
Pitt Meadows, BC (CYPK) ATIS 125.0 (1500-0700Z†) Vancouver Center App Con 128.6 (Outer) 352.7 Pitt Tower 126.3 (1500-0700Z†) Gnd Con 123.8 Vancouver Center Dep Con 132.3 (South) 363.8 MF 126.3 (0700-1500Z†) (3NM to 2500)	L-1E
Quebec/Jean Lesage Intl, QC (CYQB) ATIS 134.6 Montreal Center App/Dep Con 124.0 127.85 135.025 270.9 322.8 Tower 118.65 236.6 Gnd Con 121.9 250.0	H-11D, L-32H
Riviere Du Loup, QC (CYRI) Montreal Center App/Dep Con 125.1 299.6	H-11D
Rouyn Noranda, QC (CYUY) Montreal Center App/Dep Con 125.9 MF 122.2 (5 NM to 4000')	H-11B

# SUPPLEMENTAL COMMUNICATION REFERENCE

519

## CANADA

FACILITY NAME	CHART & PANEL
Saint John, NB (CYSJ) Moncton Center App/Dep Con 124.3 135.5 270.8 MF 118.5 (5 NM to 3400')	H-11E, L-32J
Sarnia (Chris Hadfield), ON (CYZR) Toronto Center App/Dep Con 134.375	H-10G, 11B, L-30F
Sault Ste Marie, ON (CYAM) ATIS 133.05 (1130-0330Z‡) Toronto Center App/Dep Con 132.65 344.5 Tower 118.8 (1130-0330Z‡) Gnd Con 121.7 (1130-0330Z‡) MF 118.8 (0330-1130Z‡ 5 NM irregular shape to 3000')	H-2K, L-31B
Sherbrooke, QC (CYSC) Montreal Center App/Dep Con 132.55 MF 123.5 (Ltd hrs 5 NM to 3800')	H-11D, L-32H
South Renfrew Muni, ON (CNP3) Montreal Center App/Dep 124.275	L-31E, 32F
Southport, MB (CYPG) ATIS 120.85 (Mon-Fri 1400-2300Z‡ except holidays) Tower 126.2 384.2 (Mon-Fri 1400-2300Z‡ except holidays) Gnd Con 121.7 275.8	H-2H
Springwater Barrie Airpark, ON (CNA3) Toronto Center App/Dep Con 124.025	L-31D
St. Catharines/Niagara District, ON (CYSN) ATIS 128.525 (1215-0200Z‡) Toronto Trml App/Dep Con 133.4 MF 123.25 (1215-0200Z‡ 5 NM to 3300')	H-10H, 11B, L-31E
St. Frederic, QC (CSZ4) Montreal Center App/Dep Con 135.025 270.9	L-32H
St. Georges, QC (CYSG) Montreal Center App/Dep Con 132.35 MF 122.15 (5 NM 3900' ASL)	H-32H, L-11D
St. Jean, QC (CYJN) Montreal Center App/Dep Con 125.15 268.3 Tower 118.2 (Apr-Oct 1230-0230Z‡ Nov-Mar 1300-0200Z‡) Gnd Con 121.7	L-32G
Sudbury, ON (CYSB) ATIS 127.4 Toronto Center App/Dep Con 135.5 MF 125.5 (7 NM to 4000') Clnc Del 121.8 (PTC avbl)	H-31B, 10G, L-31D
Summerside, PE (CYSU) Moncton Center App/Dep Con 124.4 384.8	H-11E, L-32J
Thunder Bay, ON (CYQT) ATIS 128.8 Winnipeg Center App/Dep Con 132.125 Tower 118.1 (1100-0400Z‡) Gnd Con 121.9 (1100-0400Z‡) App/Dep 119.2 MF 118.1 (0400-1100Z‡ 5 NM to 4000')	H-2J, L-14J
Timmins/Victor M. Power, ON (CYTS) ATIS 124.95 Toronto Center App/Dep Con 128.3 MF 122.3 (5 NM to 4000')	H-11B
Toronto/Buttontville Muni, ON (CYKZ) Toronto Trml App/Dep Con 133.4 MF 124.8 (No gnd station. 5 NM shape irregular 2000 ASL)	L-31E
Toronto/Billy Bishop Toronto City Airport, ON (CYTZ) ATIS 133.6 (1130-0400Z‡) App/Dep Con 133.4 Tower 118.2 119.2 (1130-0400Z‡) Gnd Con 121.7 (1130-0400Z‡)	L-31E
Toronto/Lester B Pearson Intl, ON (CYYZ) ATIS 120.825 133.1 App Con 132.8 124.475 125.4 Dep Con 127.575 128.8 Tower 118.35 118.7 Gnd Con 121.9 121.65 119.1 Clnc Del 121.3 (1200-0400Z‡) A-CDM Coordinator 122.875 (122.825) Apron Tow Coordinator 136.525	H-11B, L-31D
Trenton, ON (CYTR) ATIS 135.45 257.7 App/Dep Con 128.4 324.3 Tower 128.7 236.6 Gnd Con 121.9 275.8 Clnc Del 124.35 286.4	H-11C, L-31E, 32F
Trenton/Mountain View, ON (CPZ3) Trenton Mil Advisory 268.0 or 122.35	H-11C, L-31E, 32F
Trois-Rivieres, QC (CYRQ) Montreal Center App/Dep Con 128.225 MF 122.35 (5 NM to 3200')	H-11C, L-32H
Val-D'or, QC (CYVO) Montreal Center App/Dep Con 125.9 308.3 MF 118.5 (1030-0325Z‡ 5 NM to 4000')	H-11B



## CANADA

FACILITY NAME	CHART & PANEL
Vancouver Intl, BC (CYVR) ATIS 124.6 App Con 128.6 128.17 (Outer) 133.1 134.225 (Inner) 352.7 Dep Con 126.125 (north) 132.3 (south) 363.8 Tower 118.7 (south) 119.55 (north) VFR 124.0 125.65 226.5 236.6 Gnd Con 121.7 (south) 127.15 (north) 275.8 Clnc Del 121.4	H-1B, L-1E
Victoria Intl, BC (CYYJ) ATIS 118.8 (0800-1400Z‡) App Con 125.45 Dep Con 125.95 Tower 119.1 (Outer) 119.7 (Inner) 239.6 Gnd Con 121.9 361.4 (1400-0800Z‡ OT etc Kamloops 119.7) Clnc Del 126.4 (1400-0800Z‡)	H-1B, L-1E
Victoriaville, QC (CSR3) Montreal Center App Con 132.35 AUTO 122.17 (bil)	L-32H
Waterville/Kings Co Muni, NS (CCW3) Greenwood Trml App/Dep Con 120.6 335.9 Greenwood Tower 119.5 324.3	L-32J
Warton, ON (CYVV) Toronto Center App/Dep Con 132.575 MF 122.2 (5 NM to 3700')	H-11B, L-31D
Windsor, ON (CYQG) ATIS 134.5 (1200-0300Z‡) Detroit App/Dep Con 118.95 132.35 134.3 284.0 Tower 124.7 (1200-0300Z‡) Gnd Con 121.7 (1200-0300Z‡) MF 124.7 (0300-1200Z‡ 6 NM irregular shape to below 3000') VFR Advisory Detroit App Con 134.3 AWOS 134.5 (0300-1200Z‡)	H-10G, L-8J
Yarmouth, NS (CYQI) Moncton Center App/Dep Con 123.9 368.5 MF 123.0 (5 NM to 3100')	H-11E, L-32I

## MEXICO

FACILITY NAME	CHART & PANEL
Chihuahua Intl/General R Fierro Villalobos Intl (MMCU) ATIS 127.9 Chihuahua App Con 121.0 Chihuahua Tower 118.4	L-6I
Ciudad Juarez Intl/Abraham Gonzalez Intl (MMCS/CJS) Juarez App Con 119.9 Juarez Tower 118.9	H-4L, L-6F
Del Norte Intl (MMAN) ATIS 127.55 (1300-0300Z‡) Monterrey App 119.75 120.4 Tower 118.6 Gnd 122.0	H-7B, L-20G
Durango Intl (MMDO/DGO) ATIS 132.1 Tower 118.1 Durango Info 122.3	H-7A
Matamoros Intl/General Servando Canales Intl (MMA) Matamoros App Con 118.0 Matamoros Tower 118.0	H-7C, L-21A
Mexicali Intl/General Rodolfo Sanchez Taboada Intl (MMML) ATIS 127.6 (1400-0200Z‡) Mexicali App Con 118.2 Mexicali Tower 118.2 Mexicali Info 123.9 122.3	H-4I, L-4J, 5A
Monterrey Intl/General Mariano Escobedo Intl (MMMY) Monterrey ATIS 127.7 Monterrey App Con 119.75 120.4 Monterrey Dep Con 119.75 Monterrey Tower 118.1 Monterrey Gnd 121.9 Monterrey Clnc Del 123.75 (1200-0400Z‡) Monterrey Info 122.45	H-7B, L-20G
Nuevo Laredo/Quetzalcoatl (MMNL/NLD) Nuevo Laredo App Con 118.3 Nuevo Laredo Tower 118.3	H-7B, L-20G
Reynosa Intl/General Lucio Blanco Intl (MMRX) Reynosa App Con 127.2 Reynosa Tower 118.8	H-7B, L-20H
Salttilo Intl/Plan De Guadalupe Intl (MMIO/SLW) Salttilo App Con 127.4 Salttilo Tower 118.4	H-7B
Tijuana Intl/General Abelardo L Rodriguez Intl (MMTJ) ATIS 127.9 Tijuana App Con 119.5 120.3 Tijuana Tower 118.1 Tijuana Clnc Del 122.35 Tijuana Info 132.1	H-4I, L-4H
Torreon Intl (MMTC) App Con 119.6 Tower 118.5 Info 122.3	H-7A

PREFERRED IFR ROUTES

A system of preferred routes has been established to guide pilots in planning their route of flight, to minimize route changes during the operational phase of flight, and to aid in the efficient orderly management of the air traffic using federal airways. The preferred IFR routes which follow are designed to serve the needs of airspace users and to provide for a systematic flow of air traffic in the major terminal and en route flight environments. Cooperation by all pilots in filing preferred routes will result in fewer traffic delays and will better provide for efficient departure, en route and arrival air traffic service.

The following lists contain preferred IFR routes for the low altitude stratum and the high altitude stratum. The high altitude list is in two sections; the first section showing terminal to terminal routes and the second section showing preferred direction route segments. Also, on some high altitude routes low altitude airways are included as transition routes.

The following will explain the terms/abbreviations used in the listing:

1. Preferred routes beginning/ending with an airway number indicate that the airway essentially overlies the airport and flight are normally cleared directly on the airway.
2. Preferred IFR routes beginning/ending with a fix indicate that aircraft may be routed to/from these fixes via a Standard Instrument Departure (SID) route, radar vectors (RV), or a Standard Terminal Arrival Route (STAR).
3. Preferred IFR routes for major terminals selected are listed alphabetically under the name of the departure airport. Where several airports are in proximity they are listed under the principal airport and categorized as a metropolitan area; e.g., New York Metro Area.
4. Preferred IFR routes used in one direction only for selected segments, irrespective of point of departure or destination, are listed numerically showing the segment fixes and the direction and times effective.
5. Where more than one route is listed the routes have equal priority for use.
6. Official location identifiers are used in the route description for VOR/VORTAC nav aids.
7. Intersection names are spelled out.
8. Navaid and distance fixes (e.g., ARD201113) have been used in the route description in an expediency and intersection names will be assigned as soon as routine processing can be accomplished. Navaid radial (no distance stated) may be used to describe a route to intercept a specified airway (e.g., MIV MIV101 V39); another navaid radial (e.g., UIM UIM255 GSW081); or an intersection (e.g., GSW081 FITCH).
9. Where two nav aids, an intersection and a navaid, a navaid and a navaid radial and distance point, or any navigable combination of these route descriptions follow in succession, the route is direct.
10. The effective times for the routes are in UTC. During periods of daylight saving time effective times will be one hour earlier than indicated. All states observe daylight saving time except Arizona, Puerto Rico and the Virgin Islands. Pilots planning flight between the terminals or route segments listed should file for the appropriate preferred IFR route.
11. (90–170 incl) altitude flight level assignment in hundred of feet.
12. The notations "pressurized" and "unpressurized" for certain low altitude preferred routes to Kennedy Airport indicate the preferred route based on aircraft performance.
13. All Preferred IFR Routes are in effect continuously unless otherwise noted.
14. Use current SIDs and STARs for flight planning.
15. For high altitude routes, the portion of the routes contained in brackets [ ] is suggested but optional. The portion of the route outside the brackets will likely be required by the facilities involved.

LOW ALTITUDE

Terminals	Route	Effective Times (UTC)
<b>DAYTONA BEACH(DAB)</b>		
FORT MYERS(RSW) .....	KIZER T353 PUNQU T336 YOJIX T343 FEBRO LBV or (TURBOPROPS)KIZER T353 PUNQU T336 YOJIX T343 FEBRO LBV .....	
KEY WEST(EYW) .....	SMYRA T208 DIMBY DIDDY SWAGS GIGIH .....	
MARATHON(MTH).....	SMYRA T208 DIMBY SWAGS .....	
MIAMI(MIA) .....	SMYRA T208 MALET DDANY CSTAL (RNAV)–STAR . or (TURBOPROPS)SMYRA T208 INDIA JIPOD TARP (RNAV)–STAR .....	
	or (AT OR BELOW 120; PROPS ONLY)SMYRA T208 VALKA T345 MARKT .....	
NAPLES(APF).....	KIZER T353 PUNQU YOJIX T343 FEBRO LBV ..... or (TURBOPROPS)KIZER T353 PUNQU YOJIX T343 FEBRO LBV .....	
TAMPA(TPA) .....	WORAK ROSTR DADES DADES (RNAV)–STAR .....	
<b>FLL,FXE,PMP</b>		
FORT MYERS(FMY) .....	BNICE (RNAV)–DP MERKS.....	

## PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
<b>FORT LAUDERDALE(FLL)</b>		
CROSS CITY(CTY).....	(AT OR ABOVE 130)HROCK (RNAV)-DP SMELZ ..... or (60-120)BNICE (RNAV)-DP COREA CUSEK T341 VARZE T349 TROYR.....	
DAYTONA BEACH(DAB).....	or (AT OR BELOW 50)BNICE (RNAV)-DP BNICE CUSEK T341 VARZE T349 TROYR .....	
FORT MYERS(RSW) .....	(AT OR BELOW 120)SHANC T208 SMYRA.....	
FORT PIERCE(FPR) .....	or (AT OR ABOVE 130)FRSBE (RNAV)-DP WAPOM CLEFF T208 SMYRA .....	
GAINESVILLE(GNV) .....	BNICE (RNAV)-DP MERKS .....	
JACKSONVILLE(JAX).....	(AT OR ABOVE 130)FRSBE (RNAV)-DP FRSBE RALPH or (AT OR BELOW 120)SHANC T208 WIXED .....	
LAKELAND(LAL).....	(AT OR BELOW 060)BNICE (RNAV)-DP COREA MOANS T353 PUNQU OMMNI.....	
MELBOURNE(MLB).....	or (AT OR BELOW 50)BNICE (RNAV)-DP BNICE CUSEK T341 VARZE .....	
OCALA(OCF) .....	(AT OR BELOW 120)SHANC T208 FOXAM SEBAG... or (AT OR ABOVE 130)FRSBE (RNAV)-DP STYMY ORL HAINY QUBEN (RNAV)-STAR .....	
ORLANDO(MCO) .....	or (AT OR ABOVE 130)FRSBE (RNAV)-DP STYMY ORL POGIE-STAR .....	
ORLANDO(SFB) .....	BNICE (RNAV)-DP BNICE CUSEK T343 FEBRO.....	
SARASOTA/BRADENTON(SRQ).....	(AT OR ABOVE 130)FRSBE (RNAV)-DP FRSBE WIXED T208 VALKA .....	
TALLAHASSEE(TLH) .....	or (AT OR BELOW 120)SHANC T208 VALKA.....	
TAMPA(TPA).....	(AT OR ABOVE 060)BNICE (RNAV)-DP COREA MOANS T353 PUNQU OMMNI.....	
VERO BEACH(VRB) .....	or (AT OR BELOW 50)BNICE (RNAV)-DP BNICE CUSEK T341 VARZE .....	
<b>FORT MYERS(FMY)</b>	(AT OR ABOVE 130; TURBOPROPS/NON ADV NAV JETS)FORT LAUDERDALE-DP FRSBE BAIRN GOOFY-STAR .....	
FORT LAUDERDALE(FLL).....	or (AT OR BELOW 120)SHANC T208 CLEFF T347 BAIRN	
MIAMI(MIA) .....	or (AT OR ABOVE 130)FRSBE (RNAV)-DP WAPOM RIDES (RNAV)-STAR.....	
<b>FORT MYERS(RSW)</b>	(AT OR BELOW 120)SHANC T208 CLEFF T347 BAIRN	
07FA,HST,MIA,TMB,X51 .....	BNICE (RNAV)-DP DOLIE .....	
DAYTONA BEACH(DAB).....	(AT OR BELOW 50)BNICE (RNAV)-DP BNICE CUSEK T341 VARZE T349 TROYR .....	
FLL,FXE,PMP .....	or (60-120)BNICE (RNAV)-DP COREA CUSEK T341 VARZE T349 TROYR.....	1000-0300
	or (AT OR ABOVE 130)HROCK (RNAV)-DP SMELZ ..... BNICE (RNAV)-DP COREA BLFRG (RNAV)-STAR....	
	or BNICE (RNAV)-DP LBV BRDGE-STAR .....	
	(AT OR BELOW 120)SHANC T208 WIXED .....	
	or (AT OR ABOVE 130)FRSBE (RNAV)-DP WAPOM .....	
	TEEKY TEEKY (RNAV)-STAR .....	
	BARBN FROGZ FROGZ (RNAV)-STAR.....	
	BARBN FROGZ FROGZ (RNAV)-STAR.....	
	MOANS T353 GUANO.....	1030-0300
	TEEKY TEEKY (RNAV)-STAR .....	

# PREFERRED IFR ROUTES

523

Terminals	Route	Effective Times (UTC)
FORT LAUDERDALE(FLL) .....	FORTL FORTL-STAR .....	1030-0300
	or	
	GILBI NEWER .....	
FORT PIERCE(FPR) .....	DYLYN RALPH .....	
GAINESVILLE(GNV) .....	LAL VARZE .....	1030-0300
JACKSONVILLE(JAX) .....	CSHEL (RNAV)-DP LAL VARZE OCF TEBOW .....	
	or	
MELBOURNE(MLB) .....	(AT OR BELOW 160)MOANS T353 MRUTT T210 MMKAY .....	1030-0301
MIAMI(MIA) .....	DIDDY WIXED T208 VALKA .....	
OCALA(OCF) .....	PALMZ PALMZ (RNAV)-STAR .....	1030-0301
ORLANDO(MCO) .....	LAL VARZE .....	1030-0300
TALLAHASSEE(TLH) .....	MOANS MINEE MINEE-STAR .....	
TAMPA(TPA) .....	CSHEL (RNAV)-DP LAL PATOY Q116 JAWJZ .....	1000-0300
	(AT OR BELOW 100)CHARO V35 PIE .....	
	or	
	(JETS/TURBOPROPS ONLY)CSHEL (RNAV)-DP CSHEL .....	
	BLFRG BLFRG (RNAV)-STAR .....	
VERO BEACH(VRB) .....	LBV V225 DIDDY RALPH .....	1030-0300
WEST PALM BEACH(PBI) .....	RSW LUCYS VUUDU (RNAV)-STAR .....	
<b>GAINESVILLE(GNV)</b>		
FORT LAUDERDALE(FLL) .....	(AT OR BELOW 100)VARZE T341 CUSEK GILBI NEWER .....	
MIAMI(MIA) .....	(AT OR BELOW 100)VARZE LAL RSW PALMZ .....	
	(RNAV)-STAR .....	
<b>KEY WEST(EYW)</b>		
07FA,HST,MIA,TMB,X51 .....	CARNU SNDBR SNDBR (RNAV)-STAR .....	
DAYTONA BEACH(DAB) .....	CARNU SWAGS T339 DIDDY DIMBY T208 SMYRA .....	1030-0300
FLL,FXE,OPF,PMP .....	CARNU HULKY BHHIA (RNAV)-STAR .....	
FORT LAUDERDALE(FLL) .....	CARNU DVALL DVALL-STAR .....	
FORT MYERS(RSW) .....	CARNU .....	
MELBOURNE(MLB) .....	CARNU DIDDY WIXED T208 VALKA .....	
MIAMI(MIA) .....	CARNU DVALL DVALL-STAR .....	
ORLANDO(MCO) .....	CARNU FERAL JOKRS (RNAV)-STAR .....	
	or	
	CARNU RSW MINEE-STAR .....	
SARASOTA/BRADENTON(SRQ) .....	(AT OR ABOVE 110)CARNU RSW V7 ROGAN .....	
	or	
	(AT OR BELOW 100)CARNU RSW V35 MURDO .....	
TALLAHASSEE(TLH) .....	CARNU RSW LAL VARZE T349 TROYR .....	
TAMPA(TPA) .....	(110-170)CARNU FERAL BLFRG (RNAV)-STAR .....	
	or	
	(AT OR BELOW 100)CARNU RSW V35 PIE .....	
	or	
	(110-170)CARNU RSW BRDGE-STAR .....	
VERO BEACH(VRB) .....	CARNU DIDDY RALPH .....	
WEST PALM BEACH(PBI) .....	CARNU SWAGS VUUDU (RNAV)-STAR .....	
<b>LAKELAND METRO(LAL,GIF,BOW,BKV,X16)</b>		
MIAMI(MIA) .....	RSW BARBN FROGZ (RNAV)-STAR .....	
<b>LAKELAND(LAL)</b>		
FORT LAUDERDALE(FLL) .....	RSW FORTL FORTL-STAR .....	1030-0301
FORT MYERS(RSW) .....	QUNCY .....	
FORT PIERCE(FPR) .....	(AT OR BELOW 140)YOJIX T336 VALKA .....	1030-0300
KEY WEST(EYW) .....	RSW V539 KARTR GIGH .....	
MIAMI(MIA) .....	(ALL OTHERS)RSW PALMZ (RNAV)-STAR .....	1030-0300
	or	
	RSW COOFS PALMZ (RNAV)-STAR .....	
MIAMI(OPF) .....	(JETS ONLY)SABEE CUURT (RNAV)-STAR .....	
	or	
	(TURBOPROPS)RSW FORTL FORTL-STAR .....	
	or	
	(PROPS ONLY)HALLR V511 NEWER .....	
VERO BEACH(VRB) .....	YOJIX T336 VALKA RASAE .....	
WEST PALM BEACH(PBI) .....	YOJIX T336 VALKA RASAE .....	
<b>LEESBURG(LEE)</b>		
FORT LAUDERDALE(FLL) .....	(PROPS ONLY)VALKA T345 MARKET .....	

Terminals	Route
WEST PALM BEACH(PBI) .....	(PROPS ONLY)(PBI WEST OPS)DEARY T336 VALKA RASAE .....
	or
	(PROPS ONLY)(PBI EAST OPS)VALKA T345 AIRBT ..
<b>MELBOURNE(MLB)</b>	
06FA,BCT,FXE,PBI,PMP .....	CPTAN CPTAN (RNAV)-STAR .....
FORT LAUDERDALE(FLL) .....	COPIN CUUDA (RNAV)-STAR .....
MIAMI(MIA) .....	(JETS ONLY, EXCLUDES EA50, E50P, SF50, C510, C525)GREAD CSTAL (RNAV)-STAR .....
<b>MEMPHIS(MEM)</b>	
CHICAGO(MDW) .....	SPI MOTIF-STAR .....
CHICAGO(ORD) .....	PNT V227 PLANO .....
<b>MIAMI(MIA)</b>	
CROSS CITY(CTY) .....	(AT OR ABOVE 130)HURCN (RNAV)-DP SMELZ .....
	or
	(060-120)BNGOS (RNAV)-DP COREA CUSEK T341 VARZE T349 TROYR .....
	or
	(AT OR BELOW 050)BNGOS (RNAV)-DP BNGOS CUSEK T341 VARZE T349 TROYR .....
DAYTONA BEACH(DAB) .....	(AT OR ABOVE 130)FLMGO (RNAV)-DP WAPOM CLEFF T208 SMYRA .....
	or
	(AT OR BELOW 120)SHANC T208 SMYRA .....
FORT PIERCE(FPR) .....	FLMGO (RNAV)-DP FLMGO RALPH .....
	or
	(AT OR BELOW 120)SHANC T208 WIXED .....
GAINESVILLE(GNV) .....	(AT OR BELOW 050)BNGOS (RNAV)-DP BNGOS CUSEK T341 VARZE .....
	or
	HURCN (RNAV)-DP HURCN MOANS T353 PUNQU OMMNI .....
JACKSONVILLE(JAX) .....	(AT OR BELOW 120)SHANC T208 FOXAM SEBAG .....
	or
	(AT OR ABOVE 130)FLMGO (RNAV)-DP WAPOM BAIRN T347 MRUTT T210 MMKAY .....
LAKELAND(LAL) .....	BNGOS (RNAV)-DP BNGOS CUSEK T343 FEBRO ....
MELBOURNE(MLB) .....	(AT OR BELOW 120)SHANC T208 VALKA .....
	or
	(AT OR ABOVE 130)FLMGO (RNAV)-DP FLMGO WIXED T208 VALKA .....
OCALA(OCF) .....	(AT OR BELOW 050)BNGOS (RNAV)-DP BNGOS CUSEK T341 VARZE .....
	or
	(AT OR ABOVE 060)BNGOS (RNAV)-DP COREA MOANS T353 PUNQU OMMNI .....
ORLANDO(MCO) .....	(AT OR BELOW 120)SHANC T208 CLEFF T347 BAIRN or
	(AT OR ABOVE 130; TURBOPROPS/NON ADV NAV JETS)FLMGO BAIRN GOOFY-STAR .....
	or
	(AT OR ABOVE 130)FLMGO (RNAV)-DP WAPOM RIDES (RNAV)-STAR .....
ORLANDO(SFB) .....	(AT OR BELOW 120)SHANC T208 CLEFF T347 BAIRN
SARASOTA/BRADENTON(SRQ) .....	BNGOS (RNAV)-DP DOLIE .....
TALLAHASSEE(TLH) .....	(AT OR BELOW 050)BNGOS (RNAV)-DP BNGOS CUSEK T341 VARZE T349 TROYR .....
	or
	(060-120)BNGOS (RNAV)-DP COREA CUSEK T341 VARZE T349 TROYR .....
	or
	(AT OR ABOVE 130)HURCN (RNAV)-DP SMELZ .....
TAMPA(TPA) .....	BNGOS LBV BRDGE-STAR .....
	or
	BNGOS (RNAV)-DP COREA BLFRG (RNAV)-STAR ...
VERO BEACH(VRB) .....	(AT OR BELOW 120)SHANC T208 WIXED .....
	or
	FLMGO (RNAV)-DP FLMGO RALPH .....

# PREFERRED IFR ROUTES

525

Effective  
Times (UTC)

## Terminals

### NAPLES(APF)

DAYTONA BEACH(DAB) .....  
FORT LAUDERDALE(FLL) .....

FORT PIERCE(FPR) .....  
GAINESVILLE(GNV) .....  
JACKSONVILLE(JAX) .....

MIAMI(MIA) .....

OCALA(OCF) .....  
ORLANDO(ORL) .....  
TAMPA(TPA) .....

VERO BEACH(VRB) .....  
WEST PALM BEACH(PBI) .....

### ORLANDO(ISM)

FORT LAUDERDALE(FLL) .....  
WEST PALM BEACH(PBI) .....

### ORLANDO(MCO)

06FA,BCT,FXE,PBI,PMP .....  
07FA,HST,MIA,TMB,X51 .....  
FORT LAUDERDALE(FLL) .....  
KEY WEST(EYW) .....  
MIAMI(MIA) .....  
TAMPA(TPA) .....  
WEST PALM BEACH(PBI) .....

### ORLANDO(ORL)

06FA,BCT,FXE,PBI,PMP .....

FORT LAUDERDALE(FLL) .....

MIAMI(MIA) .....

WEST PALM BEACH(PBI) .....

## Route

MOANS T353 GUANO .....  
TEEKY TEEKY (RNAV)-STAR .....

or

FORTL FORTL-STAR .....  
DYLYN RALPH .....  
LAL VARZE .....

(AT OR BELOW 160)MOANS T353 MRUTT T210 MMKAY

or

CSHEL (RNAV)-DP LAL VARZE OCF TEBOW.....  
FROGZ FROGZ (RNAV)-STAR .....

or

(AT OR BELOW 160)PALMZ PALMZ (RNAV)-STAR ..  
LAL VARZE .....  
MOANS MINEE MINEE-STAR .....  
FERAL BLFRG (RNAV)-STAR.....

or

(AT OR BELOW 100)CHARO V35 PIE .....  
LBV V225 DIDDY RALPH .....  
LUCYS VUUDU (RNAV)-STAR .....

(PROPS ONLY)VALKA T345 MARKT .....  
(PROPS ONLY)(PBI EAST OPS)VALKA T345 AIRBT ..

or

(PROPS ONLY)(PBI WEST OPS)DEARY T336 VALKA  
RASAE .....

DDANY (RNAV)-DP BORRD CPTAN (RNAV)-STAR ...  
DDANY (RNAV)-DP DDANY CSTAL (RNAV)-STAR ...  
(PROPS ONLY)VALKA T345 MARKT .....

1030-0300

RSW V539 KARTR GIGIH.....  
(PROPS ONLY)VALKA T345 MARKT .....  
GUURR DADES DADES (RNAV)-STAR .....  
(PROPS ONLY)(PBI WEST OPS)DEARY T336 VALKA  
RASAE .....

or

(PROPS ONLY)(PBI EAST OPS)DEARY SHEDS PHK ..

1030-0300

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
DDANY BORRD CPTAN (RNAV)-STAR .....

or

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
DDANY BORRD CPTAN (RNAV)-STAR .....  
(PROPS ONLY)(ORL DEPARTING EAST)NYTES  
(RNAV)-DP NYTES VALKA T345 MARKT .....

or

(PROPS ONLY)(ORL DEPARTING WEST)TOLLZ  
(RNAV)-DP TOLLZ VALKA T345 MARKT .....

(PROPS ONLY)(ORL DEPARTING WEST)TOLLZ  
(RNAV)-DP TOLLZ VALKA T345 MARKT .....

or

(PROPS ONLY)(ORL DEPARTING EAST)NYTES  
(RNAV)-DP NYTES VALKA T345 MARKT .....

(PROPS ONLY)(ORL WEST/PBI WEST OP)TOLLZ  
(RNAV)-DP TOLLZ DEARY T336 VALKA RASAE....

or

(PROPS ONLY)(ORL WEST/PBI EAST OP)TOLLZ  
(RNAV)-DP TOLLZ VALKA T345 AIRBT .....

or

(PROPS ONLY)(ORL EAST/PBI WEST OP)NYTES  
(RNAV)-DP NYTES DEARY T336 VALKA RASAE ...

or

(PROPS ONLY)(ORL DEP E/PBI W OPS)NYTES  
(RNAV)-DP NYTES DEARY V537 STOOP.....

or

(PROPS ONLY)(ORL EAST/PBI EAST OP)NYTES  
(RNAV)-DP NYTES VALKA T345 AIRBT .....

## Terminals

**ORLANDO(SFB)**

06FA, BCT, FXE, PBI, PMP .....  
 07FA, HST, MIA, TMB, X51 .....  
 FORT LAUDERDALE (FLL) .....  
 WEST PALM BEACH (PBI) .....

## Route

DDANY BORRD CPTAN (RNAV)-STAR .....  
 DDANY CSTAL (RNAV)-STAR .....  
 (PROPS ONLY)VALK T345 MARKT .....  
 (PROPS ONLY)(PBI EAST OPS)VALK T345 AIRBT ..  
 or  
 (PROPS ONLY)(PBI WEST OPS)DEARY T336 VALKA  
 RASAE .....

**SARASOTA/BRADENTON(SRQ)**

DAYTONA BEACH (DAB) .....  
 FLL, FXE, PMP .....  
 FORT LAUDERDALE (FLL) .....

VARZE T210 GUANO .....  
 SABEE TEEKY (RNAV)-STAR .....  
 (AT OR ABOVE 110; PROPS ONLY)LBV GILBI NEWER

or  
 RSW FORTL FORTL-STAR .....  
 or  
 (AT OR BELOW 100 BELOW 210 KTS)RSW V599  
 NEWER .....

1030-0300

FORT MYERS (RSW) .....  
 ORLANDO (MCO) .....  
 ORLANDO (ORL) .....  
 WEST PALM BEACH (PBI) .....

(AT OR BELOW 100)CEXAN .....  
 PRICY MINEE .....  
 PRICY MINEE .....  
 SABEE VUUDU (RNAV)-STAR .....

**ST PETERSBURG-CLEARWATER(PIE)**

DAYTONA BEACH (DAB) .....  
 ORLANDO (MCO) .....

VARZE T210 GUANO .....  
 PRICY MINEE .....

**STUART(SUA)**

CROSS CITY (CTY) .....

(AT OR ABOVE 150)SMELZ PATOY .....  
 or

LAKELAND (LAL) .....  
 OCALA (OCF) .....  
 SARASOTA/BRADENTON (SRQ) .....  
 TALLAHASSEE (TLH) .....

(AT OR BELOW 140)BAIRN ODDDEL T336 TROYR ...  
 BAIRN ODDDEL T336 YOJIX .....  
 BAIRN ODDDEL T336 OMMNI .....  
 DOWDI CUSEK DOLIE .....  
 BAIRN ODDDEL T336 TROYR .....

1030-0300

**TALLAHASSEE(TLH)**

FORT LAUDERDALE (FLL) .....

(AT OR BELOW 120)TROYR T349 VARZE LAL RSW  
 FORTL FORTL-STAR .....

or  
 (AT OR ABOVE 130)NICKI PIE FORTL-STAR .....

FORT MYERS (FMY) .....  
 MIAMI (MIA) .....

(AT OR BELOW 120)TROYR T349 VARZE WEZER QUINCY  
 (AT OR ABOVE 110)NICKI PIE PALMZ (RNAV)-STAR

or  
 (AT OR BELOW 100)TROYR T349 VARZE LAL RSW  
 PALMZ (RNAV)-STAR .....

**TAMPA(TPA)**

06FA, BCT, F45, LNA, PBI, SUA .....  
 07FA, HST, MIA, TMB, X51 .....  
 DAYTONA BEACH (DAB) .....  
 FLL, FXE, PMP .....  
 FORT LAUDERDALE (FLL) .....

PGD TTYLR-STAR .....  
 GANDY (RNAV)-DP SABEE FROGZ (RNAV)-STAR ....

VARZE T210 GUANO .....  
 GANDY (RNAV)-DP SABEE TEEKY (RNAV)-STAR ....

GANDY (RNAV)-DP SABEE RSW FORTL FORTL-STAR  
 or

(PROPS ONLY)HALLR V511 NEWER .....  
 (AT OR BELOW 100)CEXAN .....

FORT MYERS (RSW) .....

or  
 (TURBOJET - DME/DME/IRU OR GPS)SRQ TYNEE  
 (RNAV)-STAR .....

FORT PIERCE (FPR) .....  
 KEY WEST (EYW) .....  
 MIAMI (MIA) .....  
 MIAMI (OPF) .....

(AT OR BELOW 140)YOJIX T336 VALKA .....  
 PIE V35 RSW V539 KARTR GIGIH .....

GANDY (RNAV)-DP SABEE PALMZ PALMZ (RNAV)-STAR  
 (PROPS ONLY)HALLR V511 NEWER .....

or  
 (JETS ONLY)GANDY (RNAV)-DP SABEE CUURT  
 (RNAV)-STAR .....

or  
 (JETS ONLY)RSW PALMZ (RNAV)-STAR .....

ORLANDO (MCO) .....  
 ORLANDO (ORL) .....  
 VERO BEACH (VRB) .....  
 WEST PALM BEACH (PBI) .....

PRICY MINEE .....  
 PRICY MINEE .....

(AT OR BELOW 140)YOJIX T336 VALKA .....  
 GANDY (RNAV)-DP SABEE VUUDU (RNAV)-STAR ...

# PREFERRED IFR ROUTES

527

**Terminals**

**WEST PALM BEACH(PBI)**

CROSS CITY(CTY) .....

DAYTONA BEACH(DAB) .....

FORT MYERS(RSW) .....

JACKSONVILLE(JAX) .....

LAKELAND(LAL) .....

MELBOURNE(MLB) .....

OCALA(OCF) .....

ORLANDO(MCO) .....

ORLANDO(ORL) .....

ORLANDO(SFB) .....

SARASOTA/BRADENTON(SRQ) .....

TALLAHASSEE(TLH) .....

TAMPA(TPA) .....

**Route**

(AT OR ABOVE 130)TBIRD BAIRN ODELL T336 TROYR  
or

(AT OR BELOW 120)CLEFF BAIRN ODELL T336 TROYR  
(AT OR ABOVE 130)TBIRD DIMBY T208 SMYRA .....

or  
(AT OR BELOW 120)CLEFF T208 SMYRA .....

or  
(AT OR ABOVE 130)TBIRD CHEFS DIMBY T208 SMYRA  
WELLY (RNAV)-DP WELLY MERKS.....

(AT OR ABOVE 130)TBIRD BAIRN T347 MRUTT T210  
MMKAY.....

or  
(AT OR BELOW 120)CLEFF T208 SAHND .....

OLAKE (RNAV)-DP JAYMC.....

(AT OR ABOVE 130)TBIRD CHEFS WIXED T208 VALKA  
or

(AT OR BELOW 120)CLEFF T208 VALKA .....

(AT OR BELOW 120)CLEFF T347 BAIRN ODELL T336  
OMMNI .....

or  
(AT OR ABOVE 130)TBIRD BAIRN ODELL T336 OMMNI  
(AT OR ABOVE 130)TBIRD BAIRN GOOFY-STAR .....

or  
(AT OR ABOVE 130)TBIRD (RNAV)-DP CHEFS RIDES  
(RNAV)-STAR .....

or  
(AT OR BELOW 120)CLEFF BAIRN GOOFY-STAR ...  
(AT OR BELOW 120)CLEFF BAIRN GOOFY-STAR ...

or  
(AT OR ABOVE 130)TBIRD BAIRN GOOFY-STAR .....

(AT OR ABOVE 130)TBIRD BAIRN .....

or  
(AT OR BELOW 120)CLEFF T347 BAIRN .....

OLAKE (RNAV)-DP JAYMC DOLIE.....

(AT OR ABOVE 130)TBIRD BAIRN ODELL T336 TROYR  
or

(AT OR BELOW 120)CLEFF BAIRN ODELL T336 TROYR  
LBV BRDGE-STAR .....

or  
OLAKE (RNAV)-DP JAYMC BLFRG (RNAV)-STAR.....

## HIGH ALTITUDE

**Terminals**

**AKH,CLT,EQY,IPJ,JQF,LKR,RUQ,UZA,VUJ**

47N,CDW,LDJ,MMU,SMQ,TEB.....

ALBANY(ALB) .....

BAF,BDL,CEF .....

BANGOR(BGR) .....

BOSTON(BOS).....

HARRISBURG(MDT) .....

MANCHESTER(MHT) .....

MQS,PHL,PNE,TTN .....

NEW YORK(JFK).....

NEWARK(EWR).....

PORTLAND(PWM) .....

**Route**

BARMY (RNAV)-DP RDU NOWAE Q87 GEARS SWNGR  
JAIKE (RNAV)-STAR.....

BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO  
Q22 LLUND TRUDE V487 CANAN .....

BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO  
Q22 RBV Q419 DPK DEER PARK-STAR .....

BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO  
Q22 FOXWD BOS.....

BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO  
Q22 RBV Q419 JFK ROBUC (RNAV)-STAR .....

(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA COURG  
LOYDD SCAPE HAR.....

BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO  
Q22 LLUND SMYTH ROZZE (RNAV)-STAR.....

KILNS (RNAV)-DP AUDII BBDO PAATS (RNAV)-STAR  
BARMY (RNAV)-DP TYI Q64 SAWED Q97 DLAAY RADDS  
SIE CAMRN-STAR.....

KILNS (RNAV)-DP AUDII QUART PHLBO (RNAV)-STAR  
BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO  
Q22 LLUND BDR SCOGS (RNAV)-STAR.....

**Effective Times (UTC)**

1100-0300

1100-0300

1000-0300

1100-0400

1100-0300

1000-0300



Terminals	Route	Effective Times (UTC)
PROVIDENCE(PVD) .....	BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO Q22 RBV Q430 CREEL ORCHA JORDN JORDN (RNAV)-STAR .....	
WHITE PLAINS(HPN) .....	BARMY (RNAV)-DP RDU NOWAE Q87 GEARS BBOBO Q22 BESSI CYN BOUNO-STAR .....	
WILKES-BARRE/SCRANTON(AVP) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA COURG LOYDD SCAPE GAAPP LVZ .....	
<b>AKH,CLT,EGY,IPJ,JQF,LKR,RUQ,UZA,VUJ,EUG</b>		
HOUSTON(HOU) .....	(TURBOJETS)(HOU EAST FLOW)ESTRR (RNAV)-DP IPTAY CHOPZ MGMRY CATLN SJI BAYYY (RNAV)-STAR or (TURBOJETS)(HOU WEST FLOW)ESTRR (RNAV)-DP IPTAY CHOPZ MGMRY CATLN SJI PUCKS (RNAV)-STAR .....	
<b>APF,FMY,MKY,RSW</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 GEARS SWNGR JAIKE (RNAV)-STAR .....	
	or CSHEL (RNAV)-DP ORL DUCEN Q87 GEARS SWNGR JAIKE (RNAV)-STAR .....	
	or CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 GEARS SWNGR JAIKE (RNAV)-STAR .....	1000-0300
BAF,BDL,CEF .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 GEARS BBOBO Q22 RBV Q419 DPK DEER PARK-STAR .....	1000-1459
	or CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK DEER PARK-STAR .....	1500-0300
BOSTON(BOS) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 GEARS BBOBO Q22 RBV Q419 JFK ROBUC (RNAV)-STAR .....	1000-1459
	or CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR .....	1500-0300
BWI,DMW,MTN .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)-STAR .....	1000-0300
FARMINGDALE(FRG) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD S439 SARDI CCC DPK .....	1000-0300
ILG,MQS,PHL,PNE,TTN .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 JROSS Q135 CUDLE Q117 SAWED Q97 ZJAAY JIIMS (RNAV)-STAR .....	1000-0300
ISM,LEE,MCO,MLB,ORL,SFB .....	CSHEL PULEC MOANS JOKRS (RNAV)-STAR .....	
NEW YORK(JFK) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD SIE CAMRN-STAR .....	1000-0300
NEWARK(EWR) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)-STAR .....	1000-0300
WASHINGTON(DCA) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 RAYVO Q113 AARNN WAVES CAPSS (RNAV)-STAR or CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 RAYVO Q113 AARNN WAVES CAPSS (RNAV)-STAR .....	1100-0400
WASHINGTON(IAD) .....	(TURBOJETS)CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 ALWZZ OGRAE BZNGA DORRN CAVLR (RNAV)-STAR .....	1000-0300
WHITE PLAINS(HPN) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD SIE BOUNO-STAR .....	1000-0300
	or CSHEL (RNAV)-DP ORL DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD SIE BOUNO-STAR .....	
<b>ATLANTA(ATL)</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	PLMMR (RNAV)-DP BURGG Q22 UMBRE SWNGR JAIKE (RNAV)-STAR .....	1100-0300
ATLANTIC CITY(ACY) .....	PLMMR (RNAV)-DP BURGG Q22 BEARI BBDOL KRABY BUKYY JAYBO SIE .....	

# PREFERRED IFR ROUTES

529

Terminals	Route	Effective Times (UTC)
AUSTIN(AUS).....	POUNC (RNAV)-DP GRGIA GARTS LCH WEEED WLEEE (RNAV)-STAR .....	1100-0300
BALTIMORE(BWI).....	JACCC (RNAV)-DP KELLN Q58 PEETT THHMP RAVNN (RNAV)-STAR .....	
BOCA RATON(BCT).....	SMLTZ (RNAV)-DP WALET ZPLEN VUUDU (RNAV)-STAR .....	
BOSTON(BOS).....	PLMMR (RNAV)-DP BURGG Q22 RBV Q419 JFK ROBUC (RNAV)-STAR .....	1100-0300
CHARLOTTE(CLT).....	PHIIL (RNAV)-DP PHIIL CNTLR JONZE (RNAV)-STAR .....	
CHICAGO(MDW).....	(NON-ADVANCED RNAV ONLY)NOONE J89 IIU OKK CLEFT OXI CGT .....	
	or	
CHICAGO(ORD).....	VARNM (RNAV)-DP RESPE IIU DROSE FISSK (RNAV)-STAR .....	
	VARNM (RNAV)-DP GLAZR Q118 HEVAN BONNT VEECK (RNAV)-STAR .....	1100-0300
CLEVELAND METRO(CLE, CGF, BKL, LNN, LPR).....	PADGT (RNAV)-DP SMTTH Q67 HNN JANYS ROLLN (RNAV)-STAR .....	
COLUMBUS(CMH).....	PADGT (RNAV)-DP SMTTH Q67 JONEN MCGNS SCRLT (RNAV)-STAR .....	
COVINGTON(CVG).....	PADGT (RNAV)-DP SMTTH DOLLI JAKIE (RNAV)-STAR .....	
DENVER(DEN).....	CUTTN HANKO MEM PER GCK KISS CLASH (RNAV)-STAR .....	1100-0300
DETROIT(DTW).....	(DTW SOUTH FLOW)PADGT (RNAV)-DP SMTTH Q67 HNN SUBWY HTROD (RNAV)-STAR .....	
	or	
	(DTW NORTH FLOW)PADGT (RNAV)-DP SMTTH Q67 HNN SUBWY CRAKN (RNAV)-STAR .....	
FORT LAUDERDALE(FLL).....	SMLTZ (RNAV)-DP WALET ZPLEN TEEKY (RNAV)-STAR .....	
FORT MYERS(FMY).....	BANNG (RNAV)-DP LUCKK HONID Q81 NICKI PLYER TYNEE (RNAV)-STAR .....	1100-0300
FORT MYERS(RSW).....	BANNG (RNAV)-DP LUCKK HONID Q81 NICKI PLYER TYNEE (RNAV)-STAR .....	1100-0300
GAINESVILLE(GNV).....	SMLTZ (RNAV)-DP WALET ZPLEN OTK .....	1100-0300
HOUSTON(HOU).....	(NON-TURBOJETS - DME/DME/IRU OR GPS)JAMMR AEX CESAN CESAN (RNAV)-STAR .....	
	or	
	KAJIN (RNAV)-DP STNGA MHZ AEX WAPPL (RNAV)-STAR .....	
HOUSTON(IAH).....	(NON-TURBOJETS - DME/DME/IRU OR GPS)JAMMR AEX GESNR (RNAV)-STAR .....	
	or	
	(IAH WEST FLOW)KAJIN (RNAV)-DP STNGA MHZ AEX DOOBI (RNAV)-STAR .....	
	or	
	(IAH EAST FLOW)KAJIN (RNAV)-DP STNGA MHZ AEX SKNRD (RNAV)-STAR .....	
LOUISVILLE(SDF).....	NOONE HCH DARBY-STAR .....	1100-0300
MARCO ISLAND(MKY).....	BANNG (RNAV)-DP LUCKK HONID Q81 NICKI PLYER PIKKR (RNAV)-STAR.....	
MIAMI(MIA).....	BANNG (RNAV)-DP LUCKK HONID FROGZ (RNAV)-STAR .....	
MINNEAPOLIS(MSP).....	PENCL (RNAV)-DP EMAHH CEASE IOW MNOSO BLUEM (RNAV)-STAR .....	1100-0300
MQS,PHL,PNE,TTN.....	PLMMR (RNAV)-DP BURGG Q22 BEARI BBDOL PAATS (RNAV)-STAR .....	1100-0300
NAPLES(APF).....	BANNG (RNAV)-DP LUCKK HONID Q81 NICKI PLYER PIKKR (RNAV)-STAR.....	
NEW YORK(JFK).....	PHIIL (RNAV)-DP HRTWL Q64 SAWED Q97 DLAAY RADD SIE CAMRN-STAR .....	1100-0300
NEW YORK(LGA).....	JACCC (RNAV)-DP KELLN BYJAC Q60 HURTS PROUD (RNAV)-STAR .....	1100-0300
NEWARK(EWR).....	PLMMR (RNAV)-DP BURGG Q22 UMBRE QUART PHLBO (RNAV)-STAR .....	1100-0200
NEWPORT NEWS(PHF).....	PHIIL (RNAV)-DP HRTWL Q54 NUTZE DRONE DRONE-STAR.....	
NORFOLK(ORF).....	PHIIL (RNAV)-DP HRTWL Q54 NUTZE DRONE DRONE-STAR.....	
ORLANDO(MCO).....	SMLTZ (RNAV)-DP WALET ZJAYX GRNCH (RNAV)-STAR .....	
ORLANDO(ORL).....	SMLTZ (RNAV)-DP WALET MJKAL JAFAR (RNAV)-STAR .....	
PANAMA CITY(ECP).....	HAALO (RNAV)-DP SARGE RRS .....	

Terminals	Route	Effective Times (UTC)
PENSACOLA(PNS).....	HAALO (RNAV)–DP SARGE DARED CEW PENSI .....	
PITTSBURGH(PIT).....	PADGT (RNAV)–DP SMTTH Q67 HNN FEWGA (RNAV)–STAR.....	
PORTLAND(PWM).....	PLMMR (RNAV)–DP BURGG Q22 LLUND BDR SCOGS (RNAV)–STAR.....	
PROVIDENCE(PVD).....	PLMMR (RNAV)–DP BURGG Q22 RBV Q430 CREEL ORCHA JORDN JORDN (RNAV)–STAR.....	
RALEIGH/DURHAM(RDU).....	GAIRY (RNAV)–DP IRQ PYRES DMSTR (RNAV)–STAR	
RICHMOND(RIC).....	JACCC (RNAV)–DP KELLN BYJAC Q60 JAXSN KELCE DUCXS (RNAV)–STAR .....	
SARASOTA/BRADENTON(SRQ).....	(JETS/TURBOPROPS ONLY)BANNG (RNAV)–DP LUCKK HONID BANGZ (RNAV)–STAR .....	
TAMPA(TPA).....	BANNG (RNAV)–DP LUCKK HONID MAATY (RNAV)–STAR	
VALPARAISO/DESTIN–FT WALTON BEACH(VPS).....	HAALO (RNAV)–DP SARGE RRS DARED CORKY .....	
WASHINGTON(DCA).....	JACCC (RNAV)–DP KELLN Q56 KIWII WAVES CAPSS (RNAV)–STAR .....	1100–0300
WEST PALM BEACH(PBI).....	SMLTZ (RNAV)–DP WALET ZPLEN VUUDU (RNAV)–STAR	
WHITE PLAINS(HPN).....	PLMMR (RNAV)–DP BURGG Q22 BESSI CYN BOUNO–STAR .....	
WINDSOR LOCKS(BDL).....	PLMMR (RNAV)–DP BURGG Q22 RBV Q419 DPK DEER PARK–STAR .....	1100–0300
<b>BIRMINGHAM(BHM)</b>		
BALTIMORE(BWI).....	CHEHA KBLER KELLN Q58 PEETT THHMP RAVNN (RNAV)–STAR.....	
CHICAGO(MDW).....	(E/G/R/J/L, /Q ONLY)RHETT IJU DROSE FISSK (RNAV)–STAR..... or (NON–ADVANCED RNAV ONLY)RHETT IJU OKK CLEFT OXI CGT.....	
CHICAGO(ORD).....	KELCC MEM FTZ BDF BRADFORD–STAR..... or KELCC FTZ TRTLL (RNAV)–STAR .....	
DETROIT(DTW).....	(DME/DME/IRU OR GPS REQUIRED)(DTW SOUTH FLOW)RHETT BNA IMPEL WWODD HANBL (RNAV)–STAR..... or (DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)RHETT BNA IMPEL WWODD LECTR (RNAV)–STAR.....	
HOUSTON(HOU).....	DAYVS MOVIL KWANE AEX WAPPL (RNAV)–STAR... or (NON–TURBOJETS – DME/DME/IRU OR GPS)DAYVS MOVIL KWANE AEX CESAN (RNAV)–STAR	
HOUSTON(IAH).....	(IAH EAST FLOW)DAYVS KWANE AEX SKNRD (RNAV)–STAR..... or (IAH WEST FLOW)DAYVS KWANE AEX DOOBI (RNAV)–STAR.....	
WASHINGTON(DCA).....	CHEHA KBLER Q56 KIWII WAVES CAPSS (RNAV)–STAR	
WASHINGTON(IAD).....	CHEHA THRSR TWoup Q22 BURGG Q60 JAXSN DORRN CAVLR (RNAV)–STAR.....	
<b>BOCA RATON(BCT)</b>		
FARMINGDALE(FRG).....	MYZNR (RNAV)–DP MATLK Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....	
<b>CHARLESTON(CHS)</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	SWPFX (RNAV)–DP FILLI LCAPE Q87 GEARS SWNGR JAIKE (RNAV)–STAR .....	
54T,AXH,EFD,GLS,HOU,HPY,IWS,LBX,LVJ, SGR,T00,T41,TME .....	(TURBOPROPS – DME/DME/IRU OR GPS)STUNO (RNAV)–DP ALD LOTT5 MGMRY CATLN SJI BBURT TKNIQ (RNAV)–STAR .....	
BOCA RATON(BCT).....	LGRHD (RNAV)–DP GIPPL Q93 KENLL CPTAN (RNAV)–STAR.....	
BOSTON(BOS).....	PLMTO (RNAV)–DP CRE ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR.....	1000–0300
BWI,DMW,MTN .....	(TURBOJETS)SWPFX (RNAV)–DP FILLI SARKY Q113 AARNN THHMP RAVNN (RNAV)–STAR .....	1100–0400
CHICAGO(ORD).....	MLTRE (RNAV)–DP VANNC QUIWE Q93 HEVAN BONNT VEECK (RNAV)–STAR .....	

# PREFERRED IFR ROUTES

531

Terminals	Route	Effective Times (UTC)
DETROIT(DTW) .....	(DTW NORTH FLOW)MLTRE (RNAV)-DP JYMSE SCAMS BKW JAMOX KLYNK (RNAV)-STAR .....	
	or	
	(DTW SOUTH FLOW)MLTRE (RNAV)-DP JYMSE SCAMS BKW JAMOX BONZZ (RNAV)-STAR .....	
FORT LAUDERDALE(FLL) .....	LGRHD (RNAV)-DP GIPPL Q93 PRMUS CUUDA (RNAV)-STAR .....	
FORT LAUDERDALE(FXE) .....	LGRHD (RNAV)-DP GIPPL Q93 KENLL CPTAN (RNAV)-STAR .....	
FORT MYERS(RSW) .....	LGRHD (RNAV)-DP GIPPL CYNTA SHFTY (RNAV)-STAR	
HOUSTON(HOU) .....	(HOU WEST FLOW)STUNO (RNAV)-DP ALD LOTTS MGMRY CATLN SJI PUCKS (RNAV)-STAR .....	
	or	
	(HOU EAST FLOW)STUNO (RNAV)-DP ALD LOTTS MGMRY CATLN SJI BAYYY (RNAV)-STAR .....	
HOUSTON(IAH) .....	(IAH EAST FLOW)STUNO (RNAV)-DP ALD LOTTS MGMRY CATLN SJI NNCEE (RNAV)-STAR .....	
	or	
	(IAH WEST FLOW)STUNO (RNAV)-DP ALD LOTTS MGMRY CATLN SJI LINKK (RNAV)-STAR .....	
ILG,MQS,PHL,PNE,TTN .....	PLMTO (RNAV)-DP CRE RAPZZ Q135 CUDLE Q117 SAWED Q97 ZJAAJ JIIMS (RNAV)-STAR .....	
MIAMI(MIA) .....	LGRHD (RNAV)-DP GIPPL Q93 DEBRL CSTAL (RNAV)-STAR .....	
MIAMI(OPF) .....	LGRHD (RNAV)-DP GIPPL Q93 PRMUS CUUDA (RNAV)-STAR .....	
NAPLES(APF) .....	LGRHD (RNAV)-DP GIPPL CYNTA SHFTY (RNAV)-STAR	
NEW YORK(JFK) .....	PLMTO (RNAV)-DP CRE LAANA Q109 DFENC SAWED Q97 DLAA Y RADDS SIE CAMRN-STAR .....	
NEW YORK(LGA) .....	SWPFX (RNAV)-DP FILLI LCAPE Q87 HURTS PROUD (RNAV)-STAR .....	1000-0300
NEWARK(EWR) .....	SWPFX (RNAV)-DP FILLI LCAPE ALWZZ OGRAE Q99 QUART PHLBO (RNAV)-STAR .....	1000-0300
ORLANDO(MCO) .....	(MCO LANDING SOUTH)LGRHD (RNAV)-DP GIPPL Q85 LPERD GTOUT (RNAV)-STAR .....	
	or	
	(MCO LANDING NORTH)LGRHD (RNAV)-DP GIPPL Q85 LPERD SNFLD (RNAV)-STAR .....	
ORLANDO(ORL) .....	LGRHD (RNAV)-DP GIPPL Q85 LPERD TTHOR (RNAV)-STAR .....	
RICHMOND(RIC) .....	(DME/DME/IRU OR GPS)SWPFX (RNAV)-DP FILLI SARKY Q113 AARNN NEAVL DUCXS (RNAV)-STAR .....	
SARASOTA/BRADENTON(SRQ) .....	(JETS/TURBOPROPS ONLY)LGRHD (RNAV)-DP GIPPL KYUUU LUBBR (RNAV)-STAR .....	
TAMPA(TPA) .....	LGRHD (RNAV)-DP GIPPL BAAMF DADES (RNAV)-STAR	
WASHINGTON(DCA) .....	(TURBOJET)SWPFX (RNAV)-DP FILLI SARKY Q113 AARNN WAVES CAPSS (RNAV)-STAR .....	1100-0400
WASHINGTON(IAD) .....	(TURBOJET)SWPFX (RNAV)-DP FILLI LCAPE Q87 ALWZZ OGRAE BZNGA DORRN CAVLR (RNAV)-STAR .....	
WEST PALM BEACH(PBI) .....	LGRHD (RNAV)-DP GIPPL Q93 KENLL CPTAN (RNAV)-STAR .....	
<b>CHARLOTTE(CLT)</b>		
ALLETOWN(ABE) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA COURG LOYDD SCAPE T299 DUMMR .....	
AUSTIN(AUS) .....	ESTRR (RNAV)-DP IPTAY CHOPZ GARTS LCH WEEED WLEEE (RNAV)-STAR .....	
BALTIMORE(BWI) .....	(TURBOJETS)KILNS (RNAV)-DP AUDII THHMP RAVNN (RNAV)-STAR .....	1100-0300
BOCA RATON(BCT) .....	ICONS (RNAV)-DP NOOKS WURFL Q83 JEVED Q97 KENLL CPTAN (RNAV)-STAR .....	
BUFFALO(BUF) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS EWC DKK .....	
CHICAGO(MDW) .....	WEAZL (RNAV)-DP CLAWD HVQ APE J178 FWA PANGG (RNAV)-STAR .....	
	or	
	WEAZL (RNAV)-DP CLAWD HNN FWA PANGG (RNAV)-STAR .....	
CHICAGO(ORD) .....	JOJJO (RNAV)-DP DOOGE Q93 HEVAN BONNT VEECK (RNAV)-STAR .....	1100-0300

Terminals	Route	Effective Times (UTC)
CLEVELAND METRO(CLE,CGF,BKL,LNN,LPR).....	(RNAV TURBOJET)WEAZL (RNAV)-DP CLAWD Q39 ASERY JANYS ROLLN (RNAV)-STAR .....	
COVINGTON(CVG).....	(ALL OTHERS)HMV HARDU-STAR .....	
	or	
DENVER(DEN) .....	(TURBOJET)JOJJO (RNAV)-DP CUBIM JAKIE (RNAV)-STAR.....	
DETROIT(DTW) .....	BOBZY (RNAV)-DP BNA FAM J112 BUM J110 GCK KIISS CLASH (RNAV)-STAR.....	
	(DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)WEAZL (RNAV)-DP CLAWD JAMOX KLYNK (RNAV)-STAR.....	
	or	
FORT LAUDERDALE(FLL).....	(DME/DME/IRU OR GPS REQUIRED)(DTW SOUTH FLOW)WEAZL (RNAV)-DP CLAWD JAMOX BONZZ (RNAV)-STAR.....	
FORT MYERS(FMY) .....	ICONS (RNAV)-DP NOOKS WURFL Q83 JEVED Q97 PRMUS CUUDA (RNAV)-STAR .....	
FORT MYERS(RSW) .....	(TURBOJETS ONLY: DME/DME/IRU OR GPS REQUIRED)ICONS (RNAV)-DP NOOKS RIELE Q103 CYNTA SHFTY (RNAV)-STAR.....	
HARRISBURG(CXY) .....	(TURBOJETS ONLY: DME/DME/IRU OR GPS REQUIRED)ICONS (RNAV)-DP NOOKS RIELE Q103 CYNTA SHFTY (RNAV)-STAR.....	
HOUSTON(HOU).....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA COURG LOYDD SCAPE HAR .....	
HOUSTON(IAH).....	(TURBOJETS)ESTRR (RNAV)-DP IPTAY CHOPZ THRSR SARKK AEX WAPPL (RNAV)-STAR .....	
	(TURBOJETS)(IAH EAST FLOW)ESTRR (RNAV)-DP IPTAY CHOPZ THRSR SARKK AEX SKNRD (RNAV)-STAR or	
LATROBE(LBE) .....	(TURBOJETS)(IAH WEST FLOW)ESTRR (RNAV)-DP IPTAY CHOPZ THRSR SARKK AEX DOOBI (RNAV)-STAR	
LOUISVILLE(LOU) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS IHD .....	
MARCO ISLAND(MKY) .....	LOZ V310 IU .....	1100-0300
MIAMI(MIA) .....	(TURBOJETS ONLY: DME/DME/IRU OR GPS REQUIRED)ICONS (RNAV)-DP NOOKS RIELE Q103 CYNTA SHFTY (RNAV)-STAR .....	
MONTREAL(CYUL) .....	ICONS (RNAV)-DP NOOKS WURFL Q83 JEVED Q97 DEBRL CSTAL (RNAV)-STAR .....	
NAPLES(APF) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS PSB SYR ART IMPAC (CANADIAN)-STAR.....	
NEW YORK(LGA).....	(TURBOJETS ONLY: DME/DME/IRU OR GPS REQUIRED)ICONS (RNAV)-DP NOOKS RIELE Q103 CYNTA SHFTY (RNAV)-STAR .....	
NEWPORT NEWS(PHF) .....	BARMY (RNAV)-DP RDU NOWAE Q87 HURTS PROUD (RNAV)-STAR.....	1100-0300
NORFOLK(ORF) .....	BARMY (RNAV)-DP NUTZE DRONE DRONE-STAR..	
ORLANDO(MCO) .....	BARMY (RNAV)-DP NUTZE DRONE DRONE-STAR..	
	(MCO LANDING NORTH)ICONS (RNAV)-DP NOOKS WURFL Q83 ROYCO Q85 LPERD SNFLD (RNAV)-STAR or	
OTTAWA(CYOW) .....	(MCO LANDING SOUTH)ICONS (RNAV)-DP NOOKS WURFL Q83 ROYCO Q85 LPERD GTOUT (RNAV)-STAR	
PITTSBURGH(AGC) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS PSB SYR ART DEANS (CANADIAN) (RNAV)-STAR	
PITTSBURGH(PIT).....	(TURBOJETS)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS LEJOY NESTO .....	
	(TURBOJETS)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS LEJOY DEMME (RNAV)-STAR.....	
RICHMOND(RIC).....	BARMY (RNAV)-DP RDU NEAVL DUCXS (RNAV)-STAR	
ROCHESTER(ROC) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS	
SARASOTA/BRADENTON(SRQ).....	(JETS/TURBOPROPS ONLY)ICONS (RNAV)-DP NOOKS RIELE Q103 PUPYY KYUJU LUBBR (RNAV)-STAR	
SAT, BAZ, CVB, PEZ, RND, SSF, SKF, 5C1	ESTRR (RNAV)-DP IPTAY CHOPZ THRSR JAMMR MERDN AEX CAAGE QERVO (RNAV)-STAR.....	
	or	
SYRACUSE(SYR) .....	ESTRR (RNAV)-DP IPTAY CHOPZ MGMRY GARTS LCH CAAGE QERVO (RNAV)-STAR .....	
	KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS JST NABOR	

# PREFERRED IFR ROUTES

533

Terminals	Route	Effective Times (UTC)
TAMPA(TPA) .....	BEAVY (RNAV)-DP JENDO MAVRC TEUFL BAAMF DADES (RNAV)-STAR .....	
TORONTO(CYYZ) .....	(TURBOJET)KRITR (RNAV)-DP FILDS ILLSA Q69 RICCS OXMAN LINNG (CANADIAN) (RNAV)-STAR .....	
WASHINGTON(DCA) .....	(TURBOJETS)KILNS (RNAV)-DP AUDII WAVES CAPSS (RNAV)-STAR .....	1100-0300
WASHINGTON(IAD) .....	(TURBOJETS)KILNS (RNAV)-DP AUDII DORRN CAVLR (RNAV)-STAR .....	
WEST PALM BEACH(PBI) .....	ICONS (RNAV)-DP NOOKS WURFL Q83 JEVED Q97 KENLL CPTAN (RNAV)-STAR .....	
<b>CHATTANOOGA(CHA)</b>		
CHICAGO(ORD) .....	GLAZR Q118 HEVAN BONNT VEECK (RNAV)-STAR .....	
<b>COLUMBIA(CAE)</b>		
	(TEST)BENBY Q93 HEVAN BONNT VEECK (RNAV)-STAR .....	
<b>COVINGTON(CVG)</b>		
AUSTIN(AUS) .....	CHCLL (RNAV)-DP IIU PXV LIT J131 TXK BROBB WINDU SEWZY (RNAV)-STAR .....	
DALLAS-FORT WORTH(DFW) .....	(RNAV TURBOJET)(DFW NORTH FLOW)IIU PXV J131 LIT FEWWW BRDJE (RNAV)-STAR .....	
FORT LAUDERDALE(FLL) .....	SILKS (RNAV)-DP TRFWA WINNA NOTWO WALET ZPLEN TEEKY (RNAV)-STAR .....	
HOUSTON(IAH) .....	(IAH EAST FLOW)CHCLL (RNAV)-DP BWG LAJUG Q68 LITTR DHART SWB GESNR (RNAV)-STAR .....	
	or	
	(IAH WEST FLOW)CHCLL (RNAV)-DP BWG LAJUG Q68 LITTR DHART SWB ZEEKK (RNAV)-STAR .....	
MANCHESTER(MHT) .....	(DME/DME/IRU OR GNSS REQUIRED)ROCKT (RNAV)-DP AHTIY PSB PONCT ROZZE (RNAV)-STAR .....	1100-0300
MIAMI(MIA) .....	SILKS (RNAV)-DP TRFWA WINNA NOTWO HONID FROGZ (RNAV)-STAR .....	
ORLANDO(MCO) .....	SILKS (RNAV)-DP TRFWA VXV TEUFL WHYYT GRNCH (RNAV)-STAR .....	
WEST PALM BEACH(PBI) .....	SILKS (RNAV)-DP TRFWA WINNA NOTWO WALET ZPLEN VUUDU (RNAV)-STAR .....	
<b>DAYTONA BEACH(DAB)</b>		
ATLANTA(ATL) .....	(ATL WEST OPERATION)ROYES CRG SHRKS LAIRI LARZZ JJEDI (RNAV)-STAR .....	
	or	
	(ATL EAST OPERATION)ROYES CRG SHRKS LAIRI LARZZ SITTH (RNAV)-STAR .....	
CHARLOTTE(CLT) .....	ROYES CRG VIYAP CHECR STOCR (RNAV)-STAR .....	
FARMINGDALE(FRG) .....	ROYES-DP CRG VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....	1000-0300
<b>DESTIN(DTS)</b>		
CHICAGO(ORD) .....	CEW PIGON VUZ J151 FAM FTZ TRTLL (RNAV)-STAR .....	
<b>FAYETTEVILLE(FAY)</b>		
ATLANTA(ATL) .....	(EAST FLOW)HINTZ Q172 YUTEE SKWKR SITTH (RNAV)-STAR .....	
	or	
	(WEST FLOW)HINTZ Q172 YUTEE SKWKR JJEDI (RNAV)-STAR .....	
CHARLOTTE(CLT) .....	(AOB FL220)TORQD MLETT (RNAV)-STAR .....	
<b>FLL, FXE, PMP</b>		
47N, CDW, LDJ, MMU, SMQ, TEB .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO GARIC ZORDO Q111 SWNGR JAIKE (RNAV)-STAR .....	
ALBANY(ALB) .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CNFR Q133 LLUND TRUDE V487 CANAN .....	
BAF, BDL, CEF .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CNFR Q481 DPK DEER PARK-STAR .....	
BED, BVY, LWM .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM (RNAV)-STAR .....	
BOSTON(BOS) .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CNFR Q133 JFK ROBUC (RNAV)-STAR .....	
BRIDGEPORT(BDR) .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI RICED KEYED .....	

Terminals	Route
BWI,DMW,MTN .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO GARIC ZORDO Q111 RUKRR THHMP RAVNN (RNAV)-STAR.....
DXR,HPN .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 WNSTN T320 RICED RICED-STAR .....
	or
	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI RICED RICED-STAR .....
EAST HAMPTON(JPX).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI HTO .....
FARMINGDALE(FRG).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....
	or
	FRSBE (RNAV)-DP STYMY ZERBO Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....
GROTON (NEW LONDON)(GON).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI HTO MONDI.....
HARTFORD(HFD).....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK MAD V1 HFD .....
ILG,MQS,PHL,PNE,TTN .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA IDOLS SKARP Q101 KALDA ZJAAY JIIMS (RNAV)-STAR .....
MANCHESTER(MHT).....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 GANDE SMYTH ROZZE (RNAV)-STAR .....
NANTUCKET(ACK).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 YAZUU SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)-STAR .....
NEW HAVEN(HVN) .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 WNSTN T320 RICED KEYED .....
NEW YORK(ISP).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI CCC.....
NEW YORK(JFK).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE CAMRN-STAR .....
NEWARK(EWR) .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR .....
POU,SWF .....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK HUDSON-STAR.....
PROVIDENCE(PVD).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN (RNAV)-STAR .....
WASHINGTON(DCA).....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR .....
WESTHAMPTON BEACH(FOK) .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI HTO .....
WHITE PLAINS(HPN) .....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE BOUNO-STAR .....
WORCESTER(ORH).....	(WATER)FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW GRAYM .....
<b>FLL,FXE,PMF</b>	
MONTREAL(CYUL).....	(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND CAM JASDU PBERG CARTR (CANADIAN) (RNAV)-STAR .....
<b>FORT LAUDERDALE(FLL)</b>	
47N,CDW,LDJ,MMU,SMQ,TEB .....	AGERS (RNAV)-DP DUCEN Q87 GEARS SWNGR JAIKE (RNAV)-STAR.....
ALBANY(ALB).....	AGERS (RNAV)-DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 LLUND TRUDE V487 CANAN .....

# PREFERRED IFR ROUTES

535

Terminals	Route	Effective Times (UTC)
ATLANTA(ATL) .....	(ATL WEST OPERATION)FRSBE (RNAV)–DP STYMY Q77 SHRKS LAIRI LARZZ JJEDI (RNAV)–STAR .....	
	or	
	(ATL EAST OPERATION)FRSBE (RNAV)–DP STYMY Q77 SHRKS LAIRI LARZZ SITTH (RNAV)–STAR .....	
ATLANTIC CITY(ACY) .....	AGERS (RNAV)–DP DUCEN Q87 JROSS Q135 CUDLE Q117 SAWED Q97 ZJAA Y RADD SIE .....	
AUSTIN(AUS) .....	BNICE (RNAV)–DP DOLIE Y280 REMIS Y280 LEV LCH WEEED WLEEE (RNAV)–STAR .....	
BAF,BDL,CEF .....	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK DEER PARK–STAR .....	1000–0300
	or	
	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK DEER PARK–STAR .....	
BED,BVY,LWM .....	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK MAD HFD DREEM (RNAV)–STAR .....	
	or	
	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 CCC ORW DREEM (RNAV)–STAR .....	
BOSTON(BOS) .....	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR .....	
	or	
	(DEEP OCEAN)FEALX (RNAV)–DP ETECK PELCN ROWSY Y494 YAAL Y495 OWENZ SHERL HTO ROBUC ROBUC (RNAV)–STAR .....	
BRIDGEPORT(BDR) .....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD S Q439 SARDI RICED KEYED .....	
BUFFALO(BUF) .....	AGERS (RNAV)–DP DUCEN Q87 VIYAP Q69 RICCS EWC DKK .....	
BWI,DMW,MTN .....	AGERS (RNAV)–DP DUCEN Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)–STAR .....	
CHARLOTTE(CLT) .....	AGERS (RNAV)–DP DUCEN Q87 VIYAP CHECR STOCR (RNAV)–STAR .....	
CHICAGO(MDW) .....	HROCK (RNAV)–DP KPASA Q118 THRSR Q79 IJU DROSE FISSK (RNAV)–STAR .....	
CHICAGO(ORD) .....	HROCK (RNAV)–DP KPASA Q118 HEVAN BONNT VEECK (RNAV)–STAR .....	
CLEVELAND(CLE) .....	AGERS (RNAV)–DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE SPA J85 HVQ JANYS ROLLN (RNAV)–STAR .....	
COLUMBUS(CMH) .....	AGERS (RNAV)–DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE SPA MCGNS SCRLT (RNAV)–STAR .....	
COVINGTON(CVG) .....	AGERS (RNAV)–DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE SPA CUBIM JAKIE (RNAV)–STAR .....	
DALLAS–FORT WORTH(DFW) .....	(DFW NORTH FLOW)HROCK (RNAV)–DP SMELZ Q116 JAWJA CABLO DEFUN J2 CEW J50 AEX PNUTS WHINY (RNAV)–STAR .....	
	or	
	(WATER /DFW LDG SOUTH)BNICE (RNAV)–DP DOLIE Y280 REDFN Q105 HRV J58 AEX PNUTS BEREE (RNAV)–STAR .....	
	or	
	(WATER/DFW LDG NORTH)BNICE (RNAV)–DP DOLIE Y280 REDFN Q105 HRV J58 AEX PNUTS WHINY (RNAV)–STAR .....	
	or	
	(DFW SOUTH FLOW)HROCK (RNAV)–DP SMELZ Q116 JAWJA CABLO DEFUN J2 CEW J50 AEX PNUTS BEREE (RNAV)–STAR .....	
DAYTONA BEACH(DAB) .....	FRSBE (RNAV)–DP WAPOM DIMBY T208 SMYRA .....	
DENVER(DEN) .....	HROCK (RNAV)–DP SMELZ Q116 MEMFS RZC LBL HALEN NIIX (RNAV)–STAR .....	
	or	
	(WATER)BNICE (RNAV)–DP DOLIE Y280 REDFN Q105 HRV J58 SPS HALEN NIIX (RNAV)–STAR .....	



Terminals	Route
DETROIT(DTW) .....	(DTW NORTH FLOW)AGERS (RNAV)–DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX KLYNK (RNAV)–STAR..... or (DTW SOUTH FLOW)AGERS (RNAV)–DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX BONZZ (RNAV)–STAR.....
DXR,HPN .....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS T320 RICED RICED–STAR .....
EAST HAMPTON(JPX).....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI HTO
FARMINGDALE(FRG).....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI CCC DPK .....
GAINESVILLE(GNV).....	HROCK (RNAV)–DP KPASA.....
GROTON (NEW LONDON)(GON).....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI HTO MONDI .....
HARTFORD(HFD).....	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK MAD V1 HFD...
HOUSTON(HOU).....	(HOU WEST FLOW)BNICE (RNAV)–DP DOLIE Y280 LEV PUCKS (RNAV)–STAR .....
	or (HOU EAST FLOW)BNICE (RNAV)–DP DOLIE Y280 LEV BAYYY (RNAV)–STAR .....
	or (HOU EAST FLOW)HROCK (RNAV)–DP SMELZ Q116 JAWJA CABLO DEFUN J2 SJI BAYYY (RNAV)–STAR or (HOU WEST FLOW)HROCK (RNAV)–DP SMELZ Q116 JAWJA CABLO DEFUN J2 SJI PUCKS (RNAV)–STAR
HOUSTON(IAH).....	(IAH WEST FLOW)HROCK (RNAV)–DP SMELZ Q116 JAWJA CABLO DEFUN J2 SJI LINKK (RNAV)–STAR or (IAH WEST FLOW)BNICE (RNAV)–DP DOLIE Y280 LEV LINKK (RNAV)–STAR .....
	or (IAH EAST FLOW)BNICE (RNAV)–DP DOLIE Y280 LEV NNCEE (RNAV)–STAR .....
	or (IAH EAST FLOW)HROCK (RNAV)–DP SMELZ Q116 JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)–STAR
ILG,MQS,PHL,PNE,TTN .....	AGERS (RNAV)–DP DUCEN Q87 JROSS Q135 CUDLE Q117 SAWED Q97 ZJAAY JIIMS (RNAV)–STAR ....
INDIANAPOLIS(IND).....	HROCK (RNAV)–DP KPASA Q118 THRSR Q79 SWAPP HAGAL GIIBS (RNAV)–STAR .....
JACKSONVILLE(CRG) .....	FRSBE (RNAV)–DP STYMY ORL POGIE–STAR.....
LOUISVILLE(SDF).....	FRSBE (RNAV)–DP STYMY Q77 WIGVO VVX GREYD MAUDD (RNAV)–STAR.....
MANCHESTER(MHT).....	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 LLUND SMYTH ROZZE (RNAV)–STAR.....
MINNEAPOLIS(MSP).....	HROCK (RNAV)–DP SMELZ Q116 VLKNN MNOSO BLUEM (RNAV)–STAR.....
MONTREAL(CYUL) .....	AGERS (RNAV)–DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 LLUND CAM JASDU PBERG CARTR (CANADIAN) (RNAV)–STAR.....
NANTUCKET(ACK) .....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 ZJAAY Q167 YAZUU SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)–STAR .....
NASHVILLE(BNA).....	HROCK (RNAV)–DP KPASA Q118 THRSR WESSN JAGIR SWFFT (RNAV)–STAR .....
NEW HAVEN(HVN) .....	AGERS (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS WNSTN T320 RICED KEYED.....

# PREFERRED IFR ROUTES

537

Effective  
Times (UTC)

**Terminals**

NEW ORLEANS(MSY) .....  
  
NEW YORK(ISP) .....  
  
NEW YORK(JFK).....  
  
NEW YORK(LGA).....  
  
NEWARK(EWR).....  
  
ORLANDO(MCO) .....  
PITTSBURGH(PIT) .....  
  
POU,SWF .....  
  
PROVIDENCE(PVD) .....  
  
RALEIGH/DURHAM(RDU) .....  
  
SARASOTA/BRADENTON(SRQ) .....  
ST LOUIS(STL) .....  
  
TAMPA(TPA) .....  
TETERBORO(TEB) .....  
  
TORONTO(CYYZ) .....  
  
WASHINGTON(DCA) .....  
  
WASHINGTON(IAD) .....  
  
WESTHAMPTON BEACH(FOK).....  
  
WHITE PLAINS(HPN).....  
  
WORCESTER(ORH).....  
  
**FORT MYERS(FMY)**  
CHARLOTTE(CLT).....  
  
CLEVELAND(CLE).....  
  
COLUMBUS(CMH).....

**Route**

HROCK (RNAV)-DP SMELZ Q116 JAWJA CABLO DEFUN  
J2 SJI MNSTR (RNAV)-STAR .....  
or  
(WATER)BNICE (RNAV)-DP DOLIE Y280 REDFN Q105  
HRV .....  
AGERS (RNAV)-DP DUCEN Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC  
AGERS (RNAV)-DP DUCEN Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 SIE CAMRN-STAR  
or  
(DEEP OCEAN)FEALX (RNAV)-DP ETECK PELCN ROWSY  
Y494 YAALE Y495 CAMRN.....  
(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO  
GARIC Q107 HURTS PROUD (RNAV)-STAR.....  
or  
AGERS (RNAV)-DP DUCEN Q87 HURTS PROUD  
(RNAV)-STAR .....  
AGERS (RNAV)-DP DUCEN Q87 ALWZZ OGRAE Q99  
QUART PHLBO (RNAV)-STAR .....  
or  
(DEEP OCEAN)FEALX (RNAV)-DP ETECK PELCN ROWSY  
Y494 YAALE Y497 SUBBS CYN GXU RBV V249  
METRO .....  
FRSBE (RNAV)-DP WAPOM RIDES (RNAV)-STAR....  
AGERS (RNAV)-DP DUCEN Q87 VIYAP Q69 RICCS LEJOY  
DEMME (RNAV)-STAR .....  
AGERS (RNAV)-DP DUCEN Q87 JROSS ELLDE Q97  
PAACK JAMIE CONFR Q481 DPK HUDSON-STAR  
AGERS (RNAV)-DP DUCEN Q87 JROSS LAANA Q109  
DFENC SAWED Q97 ZJAAY Q167 ORCHA JORDN  
JORDN (RNAV)-STAR .....  
AGERS (RNAV)-DP DUCEN Q87 VIYAP Q69 GURGE  
PETTO DMSTR (RNAV)-STAR .....  
or  
(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO  
GARIC BLOGS (RNAV)-STAR .....  
BNICE (RNAV)-DP DOLIE .....  
HROCK (RNAV)-DP SMELZ Q116 VLKNN GETME J151  
VISQA BOOSH (RNAV)-STAR .....  
BNICE (RNAV)-DP COREA BLFRG (RNAV)-STAR ....  
(DEEP OCEAN)FEALX (RNAV)-DP ETECK PELCN ROWSY  
Y494 YAALE Y497 SUBBS CYN GXU RBV V249  
METRO .....  
(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO  
GARIC Q129 PYTON WOZEE LINNG (CANADIAN)  
(RNAV)-STAR .....  
or  
AGERS (RNAV)-DP DUCEN Q87 VIYAP Q69 RICCS  
OXMAN LINNG (CANADIAN) (RNAV)-STAR .....  
AGERS (RNAV)-DP DUCEN Q87 RAYVO Q113 AARNN  
WAVES CAPSS (RNAV)-STAR .....  
(WATER)FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO  
GARIC Q129 YERBA MAYKR TRSSK CAVLR  
(RNAV)-STAR .....  
or  
AGERS (RNAV)-DP DUCEN Q87 ALWZZ OGRAE BZNGA  
DORRN CAVLR (RNAV)-STAR .....  
AGERS (RNAV)-DP DUCEN Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI HTO  
AGERS (RNAV)-DP DUCEN Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 SIE BOUNO-STAR  
AGERS (RNAV)-DP DUCEN Q87 JROSS ELLDE Q97  
PAACK JAMIE CONFR Q481 DPK MAD HFD V1 GRAYM  
  
CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 VIYAP  
CHECR STOCR (RNAV)-STAR .....  
CSHEL (RNAV)-DP LAL DOFFY Q99 CAMJO SPA J85  
HVQ JANYS ROLLN (RNAV)-STAR .....  
CSHEL (RNAV)-DP LAL DOFFY Q99 CAMJO SPA MCGNS  
SCRLT (RNAV)-STAR .....

1000-0300

## PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
DETROIT(DTW) .....	(DTW NORTH FLOW)CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR SMTTH Q67 HNN SUBWY CRAKN (RNAV)-STAR..... or (DTW SOUTH FLOW)CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR SMTTH Q67 HNN SUBWY HTROD (RNAV)-STAR.....	
NASHVILLE(BNA).....	CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR WESSN JAGIR SWFFT (RNAV)-STAR.....	1000-0300
NEW YORK(LGA).....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 HURTS PROUD (RNAV)-STAR .....	1100-0300
<b>FORT MYERS(RSW)</b>		
ATLANTA(ATL).....	(RNAV ONLY)CSHEL (RNAV)-DP LAL DAWWN BEORN GNDLF (RNAV)-STAR .....	1000-0300
	or (RNAV ONLY)CSHEL (RNAV)-DP LAL DAWWN BEORN HOBTT (RNAV)-STAR .....	1000-0300
CHARLOTTE(CLT) .....	CSHEL (RNAV)-DP LAL JINOS ETORE FEMON Q87 VIYAP CHECR STOCR (RNAV)-STAR .....	1000-0300
CHICAGO(MDW) .....	CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR Q79 IIU DROSE FISSK (RNAV)-STAR.....	
CHICAGO(ORD).....	CSHEL (RNAV)-DP LAL BRUTS Q118 HEVAN BONNT VEECK (RNAV)-STAR .....	
CLEVELAND(CLE).....	CSHEL (RNAV)-DP LAL DOFFY Q99 CAMJO SPA J85 HVQ JANYS ROLLN (RNAV)-STAR .....	1000-0300
COLUMBUS(CMH) .....	CSHEL (RNAV)-DP LAL DOFFY Q99 CAMJO SPA MCGNS SCRLT (RNAV)-STAR .....	
COVINGTON(CVG).....	CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR VXV JAKIE (RNAV)-STAR.....	1000-0300
DALLAS-FORT WORTH(DFW) .....	(DFW SOUTH FLOW)CSHEL (RNAV)-DP LAL PATOY Q116 JAWJA CABLO DEFUN J2 CEW J50 AEX PNUTS BEREE (RNAV)-STAR..... or (DFW SOUTH FLOW)MOOKY REMIS Y280 REDFN Q105 HRV J58 AEX PNUTS BEREE (RNAV)-STAR .....	
	or (DFW NORTH FLOW)CSHEL (RNAV)-DP LAL PATOY Q116 JAWJA CABLO DEFUN J2 CEW J50 AEX PNUTS WHINY (RNAV)-STAR .....	1000-0300
	or (DFW NORTH FLOW)MOOKY REMIS Y280 REDFN Q105 HRV J58 AEX PNUTS WHINY (RNAV)-STAR .....	
DENVER(DEN) .....	MOOKY REMIS Y280 REDFN Q105 HRV J58 SPS LBL HALEN NIIX (RNAV)-STAR .....	
	or CSHEL (RNAV)-DP LAL PATOY Q116 JAWJA MGM MEM PER GCK KISS CLASH (RNAV)-STAR.....	1000-0300
DETROIT(DTW).....	(DTW NORTH FLOW)CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR SMTTH Q67 HNN SUBWY CRAKN (RNAV)-STAR..... or (DTW SOUTH FLOW)CSHEL (RNAV)-DP LAL BRUTS Q118 THRSR SMTTH Q67 HNN SUBWY HTROD (RNAV)-STAR.....	
HOUSTON(HOU).....	(TURBOJETS)(HOU WEST FLOW)CSHEL (RNAV)-DP LAL PATOY Q116 JAWJA CABLO DEFUN J2 SJI PUCKS (RNAV)-STAR..... or (TURBOJETS)(HOU EAST FLOW)CSHEL (RNAV)-DP LAL PATOY Q116 JAWJA CABLO DEFUN J2 SJI BAYYY (RNAV)-STAR.....	1000-0300
	or (HOU WEST FLOW)MOOKY REMIS Y280 LEV PUCKS (RNAV)-STAR.....	
	or (HOU EAST FLOW)MOOKY REMIS Y280 LEV BAYYY (RNAV)-STAR.....	

# PREFERRED IFR ROUTES

539

Terminals	Route	Effective Times (UTC)
HOUSTON(IAH).....	(TURBOJETS)(IAH WEST FLOW)CSHEL (RNAV)–DP LAL PATOY Q116 JAWJA CABLO DEFUN J2 SJI LINKK (RNAV)–STAR .....	1000–0300
	or	
	(IAH WEST FLOW)MOOKY REMIS Y280 LEV LINKK (RNAV)–STAR .....	
	or	
	(TURBOJETS)(IAH EAST FLOW)CSHEL (RNAV)–DP LAL PATOY Q116 JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)–STAR .....	1000–0300
	or	
	(IAH EAST FLOW)MOOKY REMIS Y280 LEV NNCEE (RNAV)–STAR .....	
INDIANAPOLIS(IND).....	CSHEL (RNAV)–DP LAL BRUTS Q118 THRSR Q79 SWAPP HAGAL GIIBS (RNAV)–STAR.....	
LOUISVILLE(SDF).....	CSHEL (RNAV)–DP LAL BRUTS Q118 THRSR VXV GREYD MAUDD (RNAV)–STAR .....	1000–0300
MINNEAPOLIS(MSP).....	CSHEL (RNAV)–DP LAL BRUTS Q118 THRSR Q79 IIU J89 OBK KAMMA KKILR (RNAV)–STAR .....	
NASHVILLE(BNA).....	CSHEL (RNAV)–DP LAL BRUTS Q118 THRSR WESSN JAGIR SWFFT (RNAV)–STAR .....	1000–0300
NEW YORK(LGA).....	CSHEL (RNAV)–DP LAL JINOS ETORE FEMON Q87 HURTS PROUD (RNAV)–STAR .....	1000–0300
PITTSBURGH(PIT).....	CSHEL (RNAV)–DP LAL JINOS ETORE FEMON Q87 VIYAP Q69 RICCS LEJOY DEMME (RNAV)–STAR .....	1000–0300
RALEIGH/DURHAM(RDU).....	CSHEL (RNAV)–DP LAL JINOS ETORE FEMON Q87 VIYAP Q69 GURGE PETTO DMSTR (RNAV)–STAR .....	
SAN JUAN(TJSJ).....	(WATER)FEMID Y290 BEANO .....	
ST LOUIS(STL).....	CSHEL (RNAV)–DP LAL PATOY Q116 VLKNN GETME J151 VISQA BOOSH (RNAV)–STAR.....	1000–0300
<b>GMU,GSP,GYH,SPA</b>		
BWI,DMW,MTN.....	BIMMR (RNAV)–DP DRIVN LUMAY Q58 PEETT THHMP RAVNN .....	
<b>GREENSBORO(GSO)</b>		
CHICAGO(MDW).....	TRSHA (RNAV)–DP TAARZ PSK HVQ APE J178 FWA PANGG (RNAV)–STAR .....	
	or	
	TRSHA (RNAV)–DP TAARZ PSK HNN FWA PANGG (RNAV)–STAR .....	
CHICAGO(ORD).....	TRSHA (RNAV)–DP TAARZ PSK BKW VLADY J149 FWA WATSN (RNAV)–STAR .....	
	or	
	TRSHA (RNAV)–DP TAARZ PSK HEVAN BONNT VEECK (RNAV)–STAR .....	1100–0300
CINCINNATI(LUK).....	PSK HVQ FLM.....	0700–2300
DETROIT(DTW).....	(DME/DME/IRU OR GPS REQUIRED)(DTW SOUTH FLOW)TRSHA (RNAV)–DP TAARZ BKW JAMOX BONZZ (RNAV)–STAR .....	
	or	
	(DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)TRSHA (RNAV)–DP TAARZ BKW JAMOX KLYNK (RNAV)–STAR .....	
LOUISVILLE(SDF).....	TRSHA (RNAV)–DP TAARZ LAFOX MAUDD (RNAV)–STAR .....	0700–2300
NEW YORK(LGA).....	QUAKE–DP SBV JAXSN RIC COLIN HYTRA PROUD (RNAV)–STAR .....	
<b>GREENVILLE(PGV)</b>		
CHARLOTTE(CLT).....	(AOB FL220)ISO V1 JAYDB OKNEE MLETT (RNAV)–STAR .....	
	or	
	(AOB FL220)SDAIL CHSLY (RNAV)–STAR .....	
<b>GREENVILLE–SPARTANBURG METRO(GSP,GYH,GMU,SPA)</b>		
BOSTON(BOS).....	BIMMR (RNAV)–DP DRIVN KIDDO Q22 RBV Q419 JFK ROBUC (RNAV)–STAR .....	
CHICAGO(MDW).....	(RNAV TURBOJET)BWALL (RNAV)–DP JLENA HVQ APE J178 FWA PANGG (RNAV)–STAR .....	
CHICAGO(ORD).....	BWALL (RNAV)–DP JLENA DOOGE Q93 HEVAN BONNT VEECK (RNAV)–STAR .....	
COLUMBUS(CMH).....	BWALL (RNAV)–DP JLENA MCGNS SCRLT (RNAV)–STAR .....	
COVINGTON(CVG).....	(RNAV TURBOJET)BWALL (RNAV)–DP JLENA CUBIM JAKIE (RNAV)–STAR .....	

Terminals	Route	
GREENSBORO(GSO).....	(RNAV TURBOJET)BWALL (RNAV)–DP JLENA TRAKS TRAKS (RNAV)–STAR.....	
NEWARK(EWR).....	(RNAV TURBOJET)BIMMR (RNAV)–DP DRIVN KIDDO Q22 UMBRE QUART PHLBO (RNAV)–STAR.....	
PHILADELPHIA(PHL).....	(RNAV TURBOJET)BIMMR (RNAV)–DP DRIVN KIDDO Q22 BEARI BBDOL PAATS (RNAV)–STAR.....	
TETERBORO(TEB).....	(RNAV TURBOJET)BIMMR (RNAV)–DP DRIVN KIDDO Q22 UMBRE SWNGR JAIKE (RNAV)–STAR.....	
WASHINGTON(DCA).....	(RNAV TURBOJET)BIMMR (RNAV)–DP DRIVN JOOLI Q56 KIWII WAVES CAPSS (RNAV)–STAR.....	
WASHINGTON(IAD).....	(RNAV TURBOJET)BIMMR (RNAV)–DP DRIVN EVING Q60 JAXSN DORRN CAVLR (RNAV)–STAR.....	
<b>GREENVILLE–SPARTANBURG METRO(GSP,GYH,GMU,SPA,CEU,LQK)</b>		
ATLANTA(ATL).....	(RNAV TURBOJET)DGESS OZZZI (RNAV)–STAR.....	
CHARLOTTE(CLT).....	(RNAV TURBOJET)BANKR BANKR (RNAV)–STAR....	
GREENSBORO(GSO).....	SPA V605 GENOD BROOK BROOK–STAR.....	
<b>GREENVILLE–SPARTANBURG METRO(GSP,GYH,GMU,SPA,LQK)</b>		
DALLAS–FORT WORTH(DFW).....	(RNAV TURBOJET)(DFW SOUTH FLOW)IPTAY CHOPZ THRSR MLU YUYUN BERE (RNAV)–STAR.....	
	or	
	(RNAV TURBOJET)(DFW NORTH FLOW)IPTAY CHOPZ THRSR MLU YUYUN WHINY (RNAV)–STAR.....	
HOUSTON(IAH).....	(RNAV TURBOJET)(IAH WEST FLOW)IPTAY CHOPZ THRSR SARKK AEX DOOBI (RNAV)–STAR.....	
	or	
	(RNAV TURBOJET)(IAH EAST FLOW)IPTAY CHOPZ THRSR SARKK AEX SKNRD (RNAV)–STAR.....	
WINSTON SALEM(INT).....	SPA V605 GENOD BROOK BROOK–STAR.....	
<b>GREER(GSP)</b>		
DETROIT(DTW).....	(DME/DME/IRU OR GPS REQUIRED)(DTW SOUTH FLOW)BWALL (RNAV)–DP JLENA HMV SUBWY HTROD (RNAV)–STAR.....	
	or	
	(DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)BWALL (RNAV)–DP JLENA HMV SUBWY CRAKN (RNAV)–STAR.....	
NEW YORK(LGA).....	BIMMR (RNAV)–DP DRIVN EVING Q60 HURTS PROUD (RNAV)–STAR.....	
<b>GSO,INT</b>		
NEWARK(EWR).....	QUAKER–DP SBV CREWE QUART PHLBO (RNAV)–STAR	
<b>HAVANA(MUHA)</b>		
FORT LAUDERDALE(FLL).....	(MUHA RWY 06)MAXIM BHHIA (RNAV)–STAR.....	
	or	
	(MUHA RWY 24)CANOA BHHIA (RNAV)–STAR.....	
	or	
	(MUHA RWY 06)MAXIM G765 FIS DVALL DVALL–STAR	1000–0300
	or	
	(MUHA RWY 24)CANOA B646 FIS DVALL DVALL–STAR	1000–0300
MIAMI(MIA).....	(MUHA RWY 06)MAXIM SNDBR (RNAV)–STAR.....	
	or	
	(MUHA RWY 06)MAXIM G765 FIS DVALL DVALL–STAR	1000–0300
	or	
	(MUHA RWY 24)CANOA SNDBR (RNAV)–STAR.....	
	or	
	(MUHA RWY 24)CANOA B646 FIS DVALL DVALL–STAR	1000–0300
<b>HOMESTEAD(HST)</b>		
ORLANDO(MCO).....	FLMGO (RNAV)–DP WAPOM RIDES (RNAV)–STAR ..	
<b>HOMESTEAD(X51)</b>		
	FLMGO (RNAV)–DP WAPOM RIDES (RNAV)–STAR ..	
<b>HUNTSVILLE(HSV)</b>		
CHICAGO(ORD).....	(TURBOJET)VISQA FTZ TRTLL (RNAV)–STAR.....	
	or	
	MEM FTZ BDF BRADFORD–STAR.....	
DETROIT(DTW).....	(DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)BNA IMPEL WWODD LECTR (RNAV)–STAR	
	or	
	(DME/DME/IRU OR GPS RQUIRED)(DTW SOUTH FLOW)BNA IMPEL WWODD HANBL (RNAV)–STAR	

# PREFERRED IFR ROUTES

541

Terminals	Route	Effective Times (UTC)
<b>JACKSONVILLE(JAX)</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	CROSB (RNAV)-DP WISPR JROSS Q87 GEARS SWNGR JAIKE (RNAV)-STAR .....	
BOSTON(BOS) .....	CROSB (RNAV)-DP WISPR JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR ... or CROSB (RNAV)-DP WISPR JROSS Q87 GEARS BBOBO Q22 RBV Q419 JFK ROBUC (RNAV)-STAR .....	1500-0300 1000-1459
BWI,DMW,MTN .....	CROSB (RNAV)-DP WISPR JROSS Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)-STAR .....	
CHARLOTTE(CLT) .....	BRSTL (RNAV)-DP BAXLY PONZE BANKR (RNAV)-STAR or CROSB (RNAV)-DP WISPR CHECR STOCR (RNAV)-STAR CROSB (RNAV)-DP WISPR GURGE Q93 QUIWE Q93 HEVAN BONNT VEECK (RNAV)-STAR .....	
CHICAGO(ORD) .....	(DTW SOUTH FLOW)CROSB (RNAV)-DP WISPR GURGE Q93 QUIWE HNN JAMOX BONZZ (RNAV)-STAR ... or (DTW NORTH FLOW)CROSB (RNAV)-DP WISPR GURGE Q93 QUIWE HNN JAMOX KLYNK (RNAV)-STAR ...	
DETROIT(DTW) .....	(TURBOJETS)(HOU EAST FLOW)JETIN (RNAV)-DP CAPPS CABLO DEFUN J2 SJI BAYYY (RNAV)-STAR or (TURBOJETS)(HOU WEST FLOW)JETIN (RNAV)-DP CAPPS CABLO DEFUN J2 SJI PUCKS (RNAV)-STAR	
HOUSTON(HOU) .....	(TURBOJETS)(IAH EAST FLOW)JETIN (RNAV)-DP CAPPS CABLO DEFUN J2 SJI NNCEE (RNAV)-STAR .....	
HOUSTON(IAH) .....	or (TURBOJETS)(IAH WEST FLOW)JETIN (RNAV)-DP CAPPS CABLO DEFUN J2 SJI LINKK (RNAV)-STAR CROSB (RNAV)-DP WISPR JROSS Q135 CUDLE Q117 SAWED Q97 ZJAAJ JIIMS (RNAV)-STAR .....	
ILG,MQS,PHL,PNE,TTN .....	EXBOX (RNAV)-DP EXBOX DEBRL CSTAL (RNAV)-STAR (TURBOJETS)CROSB (RNAV)-DP WISPR JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RABDS SIE CAMRN-STAR .....	1000-0300
MIAMI(MIA) .....	CROSB (RNAV)-DP WISPR JROSS Q87 HURTS PROUD (RNAV)-STAR .....	
NEW YORK(JFK) .....	CROSB (RNAV)-DP WISPR JROSS Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)-STAR .....	
NEW YORK(LGA) .....	(TURBOJETS)CROSB (RNAV)-DP WISPR GURGE Q69 RICCS OXMAN LINNG (CANADIAN) (RNAV)-STAR CROSB (RNAV)-DP WISPR JROSS Q87 RAYVO Q113 AARNN WAVES CAPSS (RNAV)-STAR .....	1000-0300
NEWARK(EWR) .....	CROSB (RNAV)-DP WISPR JROSS Q87 ALWZZ OGRAE BZNGA DORRN CAVLR (RNAV)-STAR .....	
TORONTO(CYYZ) .....		
WASHINGTON(DCA) .....		
WASHINGTON(IAD) .....		
<b>JACKSONVILLE(OAJ)</b>		
ATLANTA(ATL) .....	(WEST FLOW)JAYDB KAATT Q172 YUTEE SKWKR JJEDI (RNAV)-STAR .....	
	or (EAST FLOW)JAYDB KAATT Q172 YUTEE SKWKR SITTH (RNAV)-STAR .....	
CHARLOTTE(CLT) .....	(AOB FL220)JAYDB OKNEE MILET (RNAV)-STAR ...	
<b>KEY WEST(EYW)</b>		
DAYTONA BEACH(DAB) .....	CARNU MOANS T353 GUANO .....	1030-0300
FORT LAUDERDALE(FLL) .....	(ALL OTHERS)DVALL-STAR .....	1030-0300
	or CARNU HULKY BHIIA (RNAV)-STAR .....	
MELBOURNE(MLB) .....	CARNU DIDDY WIXED T208 VALKA .....	
MIAMI(MIA) .....	CARNU SNDBR SNDBR (RNAV)-STAR .....	
	or (ALL OTHERS)DVALL-STAR .....	1030-0300
ORLANDO(MCO) .....	CARNU FERAL JOKRS (RNAV)-STAR .....	
	or CARNU RSW MINEE-STAR .....	
SARASOTA/BRADENTON(SRQ) .....	CARNU RSW V7 ROGAN .....	
TALLAHASSEE(TLH) .....	CARNU TEEKY SMELZ Q116 JAWJA .....	
TAMPA(TPA) .....	CARNU FERAL BLFRG (RNAV)-STAR .....	
VERO BEACH(VRB) .....	CARNU RALPH .....	1030-0300

**Terminals**

WEST PALM BEACH(PBI) .....  
**KNOXVILLE(TYS)**  
 CHICAGO(ORD).....  
 CLEVELAND  
 METRO(CLE,CGF,BKL,LNN,LPR).....  
 DETROIT(DTW).....

NEW YORK(LGA).....

**LAKELAND(LAL)**

FORT LAUDERDALE(FLL).....  
 MIAMI(MIA).....

**LOUISVILLE(SDF)**

AUSTIN(AUS).....

FORT LAUDERDALE(FLL).....

MIAMI(MIA).....

NEWARK(EWR).....

ORLANDO(MCO).....

SAT, BAZ, CVB, PEZ, RND, SSF, SKF, 5C1

WEST PALM BEACH(PBI).....

**MELBOURNE(MLB)**

MIAMI(MIA).....

**MEM.GYR**

NEW YORK(JFK).....

**MEMPHIS(MEM)**

AUSTIN(AUS).....

BALTIMORE(BWI).....

BOCA RATON(BCT).....

BOSTON(BOS).....

CLEVELAND  
 METRO(CLE,CGF,BKL,LNN,LPR).....  
 COVINGTON(CVG).....  
 DENVER(DEN).....  
 DETROIT(DTW).....

HOUSTON(HOU).....

**Route**

CARNU SWAGS VUUDU (RNAV)-STAR.....

VXV HEVAN BONNT VEECK (RNAV)-STAR.....

VXV TONIO HNN JANYS ROLLN (RNAV)-STAR.....

(DTW SOUTH FLOW)TONIO Q67 HNN SUBWY HTRD (RNAV)-STAR.....

or

(DTW NORTH FLOW)TONIO Q67 HNN SUBWY CRAKN (RNAV)-STAR.....

SITTR Q34 GVE PROUD (RNAV)-STAR.....

RSW FORTL FORTL-STAR.....

(ALL OTHERS)RSW PALMZ (RNAV)-STAR.....

or

RSW BARBN FROGZ (RNAV)-STAR.....

SABEE VUUDU (RNAV)-STAR.....

CRRGO (RNAV)-DP CRRGO OSINE LIT J131 TXK BROBB WINDU SEWZY (RNAV)-STAR.....

FEDRA (RNAV)-DP OHAGI WINNA NOTWO WALET ZPLEN TEEKY (RNAV)-STAR.....

FEDRA (RNAV)-DP OHAGI WINNA NOTWO HONID FROGZ (RNAV)-STAR.....

(FL240 AND ABOVE; TURBOJET)STREP (RNAV)-DP STREP RINTE KLYNE Q29 WWSHR DORET J584 SLT WILLIAMSPORT-STAR.....

FEDRA (RNAV)-DP OHAGI WINNA NOTWO WALET ZJAYX GRNCH (RNAV)-STAR.....

CRRGO (RNAV)-DP CRRGO OSINE BWG MEM J29 ELD WINDU QERVO (RNAV)-STAR.....

FEDRA (RNAV)-DP OHAGI WINNA NOTWO WALET ZPLEN VUUDU (RNAV)-STAR.....

(JETS ONLY, EXCLUDES EA50, E50P, SF50, C510, C525)GREAD CSTAL (RNAV)-STAR.....

GOETZ (RNAV)-DP GOETZ HITMN Q34 MAULS QUART HURTS SAWED Q97 DLAAY RADDS SIE CAMRN-STAR.....

BINKY (RNAV)-DP BASBE BROBB WINDU SEWZY (RNAV)-STAR.....

GOETZ (RNAV)-DP DIYAB BNA SWAPP Q34 NEALS BKW RAVNN (RNAV)-STAR.....

DEFUN VUUDU (RNAV)-STAR.....

AZONE (RNAV)-DP AZONE SALMS BURGG Q22 RBV Q419 JFK ROBUC (RNAV)-STAR.....

or

GOETZ (RNAV)-DP GOETZ BNA SWAPP Q34 RBV Q419 JFK ROBUC (RNAV)-STAR.....

(RNAV TURBOJET)CRSON (RNAV)-DP HUMMS TINGS PXV DRUGA ROKNN (RNAV)-STAR.....

(RNAV ONLY)J29 PXV SARGO (RNAV)-STAR.....

RZC PER GCK KISS CLASH (RNAV)-STAR.....

(DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)CRSON (RNAV)-DP HUMMS TINGS PXV WWODD LECTR (RNAV)-STAR.....

or

(DME/DME/IRU OR GPS REQUIRED)(DTW SOUTH FLOW)CRSON (RNAV)-DP HUMMS TINGS PXV WWODD HANBL (RNAV)-STAR.....

(TURBOJETS - DME/DME/IRU OR GPS)CHLDR (RNAV)-DP ANSWA LIT J180 SWB WAPPL (RNAV)-STAR.....

1030-0300

1100-0300

# PREFERRED IFR ROUTES

543

Terminals	Route	Effective Times (UTC)
HOUSTON(IAH).....	(TURBOJETS – TURBOPROPS)(IAH WEST FLOW)CHLDR (RNAV)–DP ANSWA LIT J180 SWB ZEEKK (RNAV)–STAR .....	
	or	
	(TURBOJETS – TURBOPROPS)(IAH EAST FLOW)CHLDR (RNAV)–DP ANSWA LIT J180 SWB GESNR (RNAV)–STAR .....	
LOUISVILLE(SDF).....	BNA MBELL MBELL (RNAV)–STAR .....	
	or	
MINNEAPOLIS(MSP).....	MEMFS Q29 SIDAE CHERI CHERI–STAR .....	1000–0300
	(TURBOJETS)FAM STL IOW MNOSO BLUEM (RNAV)–STAR .....	
NEW YORK(LGA).....	CRSON (RNAV)–DP HUMMS PXV CREEP Q29 WWSHR TEESY J146 ETG MILTON–STAR .....	
NEWARK(EWR).....	HENSY Q34 GVE PHLBO (RNAV)–STAR .....	
ORLANDO(MCO).....	DEFUN GRNCH (RNAV)–STAR .....	
ORLANDO(ORL).....	DEFUN CABLO MJKAL JAFAR (RNAV)–STAR .....	
PHILADELPHIA(PHL).....	HENSY Q34 GVE PAATS (RNAV)–STAR .....	
PITTSBURGH(PIT).....	J29 PXV IIU HNN FEWGA (RNAV)–STAR .....	
TAMPA(TPA).....	DEFUN MAATY (RNAV)–STAR .....	
WASHINGTON(DCA).....	HENSY Q34 NEALS BKW TRUPS (RNAV)–STAR .....	
WASHINGTON(AD).....	PXV IIU J8 HVQ GIBBZ (RNAV)–STAR .....	1830–2230
	or	
	HENSY Q34 NEALS BKW GIBBZ (RNAV)–STAR .....	2230–0300
	or	
WEST PALM BEACH(PBI).....	PXV IIU J8 HVQ DOCCS–STAR.....	1830–2230
WINDSOR LOCKS(BDL).....	DEFUN VUUDU (RNAV)–STAR .....	
	GOETZ (RNAV)–DP GOETZ BWG IIU AIR PSB HNK STELA–STAR .....	
<b>MIA,HST,OPF,TMB,X51</b>		
47N,CDW,LDJ,MMU,SMQ,TEB.....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO GARIC ZORDO Q111 SWNGR JAIKE (RNAV)–STAR .....	
ALBANY(ALB).....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND TRUDE V487 CANAN.....	
BAF,BDL,CEF.....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER PARK–STAR .....	
BED,BVY,LWM.....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM (RNAV)–STAR .....	
BOSTON(BOS).....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR .....	
BRIDGEPORT(BDR).....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI RICED KEYED.....	
BWI,DMW,MTN.....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO GARIC ZORDO Q111 RUKRR THHMP RAVNN (RNAV)–STAR .....	
DXR,HPN.....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI RICED RICED–STAR .....	
EAST HAMPTON(JPX).....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI HTO .....	
FARMINGDALE(FRG).....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI CCC DPK.....	
GROTON (NEW LONDON)(GON).....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI HTO MONDI.....	
HARTFORD(HFD).....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK MAD V1 HFD.....	
ILG,MQS,PHL,PNE,TTN.....	(WATER)FOLZZ (RNAV)–DP ALYRA PELCN Y309 FLRDA IDOLS SKARP Q101 KALDA ZJAAY JIIMS (RNAV)–STAR .....	
MANCHESTER(MHT).....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 GANDE SMYTH ROZZE (RNAV)–STAR .....	



## Terminals

Terminals	Route
NANTUCKET(AK) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 YAZUU SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)-STAR
NEW HAVEN(HVN) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 WNSTN T320 RICED KEYED .....
NEW YORK(ISP).....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI CCC.....
NEW YORK(JFK) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE CAMRN-STAR .....
NEWARK(EWR) .....	(WATER)FOLZZ (RNAV)-DP ALYRA GRUBR Y299 SEELO GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR
POU,SWF .....	(WATER)FOLZZ (RNAV)-DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK HUDSON-STAR.....
PROVIDENCE(PVD) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN (RNAV)-STAR .....
WASHINGTON(DCA).....	(WATER)FOLZZ (RNAV)-DP ALYRA GRUBR Y299 SEELO GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR
WESTHAMPTON BEACH(FOK) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI HTO .....
WHITE PLAINS(HPN) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE BOUNO-STAR .....
WORCESTER(ORH) .....	(WATER)FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW GRAYM

## MIA,HST,OPF,TMB,X51

MONTREAL(CYUL) .....	(WATER)FOLZZ (RNAV)-DP ALYRA GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND CAM JASDU PBERG CARTR (CANADIAN) (RNAV)-STAR
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## MIAMI(MIA)

47N,CDW,LDJ,MMU,SMQ,TEB .....	ALTNN (RNAV)-DP DUCEN Q87 GEARS SWNGR JAIKE (RNAV)-STAR.....
ATLANTA(ATL).....	(ATL EAST OPERATION)FLMGO (RNAV)-DP STYMY Q77 SHRKS LAIRI LARZZ SITH (RNAV)-STAR .....
	or
	(ATL WEST OPERATION)FLMGO (RNAV)-DP STYMY Q77 SHRKS LAIRI LARZZ JJEDI (RNAV)-STAR .....
AUSTIN(AUS) .....	BNGOS (RNAV)-DP DOLIE Y280 REMIS Y280 LEV LCH WEEED WLEEE (RNAV)-STAR .....
BAF,BDL,CEF.....	ALTNN (RNAV)-DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK DEER PARK-STAR
BIRMINGHAM(BHM) .....	HURCN (RNAV)-DP SMELZ Q116 DEEDA WANDS ..
BOSTON(BOS) .....	(DEEP OCEAN)FOLZZ (RNAV)-DP ALYRA ROWSV Y494 YAAL Y495 OWENZ SHERL HTO ROBUC ROBUC (RNAV)-STAR.....
	or
	ALTNN (RNAV)-DP DUCEN Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR
BWI,DMW,MTN .....	ALTNN (RNAV)-DP DUCEN Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)-STAR .....
CHARLOTTE(CLT) .....	ALTNN (RNAV)-DP DUCEN Q87 VIYAP CHECR STOCR (RNAV)-STAR.....
CHICAGO(MDW) .....	HURCN (RNAV)-DP KPASA Q118 THRSR Q79 IJU DROSE FISSK (RNAV)-STAR.....
CHICAGO(ORD).....	HURCN (RNAV)-DP KPASA Q118 HEVAN BONNT VEECK (RNAV)-STAR.....
CLEVELAND(CLE).....	ALTNN (RNAV)-DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE SPA J85 HVQ JANYS ROLLN (RNAV)-STAR
COLUMBUS(CMH) .....	ALTNN (RNAV)-DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE SPA MCGNS SCRLLT (RNAV)-STAR .....
COVINGTON(CVG) .....	ALTNN (RNAV)-DP DUCEN Q87 VIYAP Q69 GURGE Q93 QUIWE SPA CUBIM JAKIE (RNAV)-STAR.....

# PREFERRED IFR ROUTES

545

Effective  
Times (UTC)

## Terminals

DALLAS-FORT WORTH(DFW) .....

## Route

(DFW SOUTH FLOW)GLADZ (RNAV)-DP BAGGS REMIS  
Y280 REDFN Q105 HRV PNUITS BEREE (RNAV)-STAR  
or

(DFW SOUTH FLOW)HURCN (RNAV)-DP SMELZ Q116  
JAWJA CABLO DEFUN J2 AEX PNUITS BEREE  
(RNAV)-STAR .....

or

(DFW NORTH FLOW)GLADZ (RNAV)-DP BAGGS REMIS  
Y280 REDFN Q105 HRV PNUITS WHINY (RNAV)-STAR

or

(DFW NORTH FLOW)HURCN (RNAV)-DP SMELZ Q116  
JAWJA CABLO DEFUN J2 AEX PNUITS WHINY  
(RNAV)-STAR .....

DAYTONA BEACH(DAB) .....

FLMGO (RNAV)-DP FLMGO DIMBY T208 SMYRA ....

DENVER(DEN) .....

HURCN (RNAV)-DP SMELZ Q116 JAWJA MGMRY  
VLKNN Q116 MEMFS RZC LBL HALEN NIIX  
(RNAV)-STAR .....

DETROIT(DTW) .....

(DTW SOUTH FLOW)ALTNN (RNAV)-DP DUCEN Q87  
VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX BONZZ  
(RNAV)-STAR .....

or

(DTW NORTH FLOW)ALTNN (RNAV)-DP DUCEN Q87  
VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX KLYNK  
(RNAV)-STAR .....

FARMINGDALE(FRG) .....

ALTNN (RNAV)-DP DUCEN Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC  
DPK .....

GAINESVILLE(GNV) .....

HURCN (RNAV)-DP KPASA .....

HOUSTON(HOU) .....

(HOU WEST FLOW)GLADZ (RNAV)-DP BAGGS REMIS  
Y280 LEV PUCKS (RNAV)-STAR .....

or

(HOU EAST FLOW)GLADZ (RNAV)-DP BAGGS REMIS  
Y280 LEV BAYYY (RNAV)-STAR .....

or

(HOU WEST FLOW)HURCN (RNAV)-DP SMELZ Q116  
JAWJA CABLO DEFUN J2 SJI PUCKS (RNAV)-STAR

or

(HOU EAST FLOW)HURCN (RNAV)-DP SMELZ Q116  
JAWJA CABLO DEFUN J2 SJI BAYYY (RNAV)-STAR

HOUSTON(IAH) .....

(IAH EAST FLOW)GLADZ (RNAV)-DP BAGGS REMIS  
Y280 LEV NNCEE (RNAV)-STAR .....

or

(IAH WEST FLOW)GLADZ (RNAV)-DP BAGGS REMIS  
Y280 LEV LINKK (RNAV)-STAR .....

or

(IAH EAST FLOW)HURCN (RNAV)-DP SMELZ Q116  
JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)-STAR

or

(IAH WEST FLOW)HURCN (RNAV)-DP SMELZ Q116  
JAWJA CABLO DEFUN J2 SJI LINKK (RNAV)-STAR

ILG,MQS,PHL,PNE,TTN .....

ALTNN (RNAV)-DP DUCEN Q87 JROSS Q135 CUDLE  
Q117 SAWED Q97 ZJAAY JIIMS (RNAV)-STAR ....

INDIANAPOLIS(IND) .....

HURCN (RNAV)-DP KPASA Q118 THRSR Q79 SWAPP  
HAGAL GIIBS (RNAV)-STAR .....

JACKSONVILLE(JAX) .....

FLMGO (RNAV)-DP STYMY ORL HAINY QUBEN  
(RNAV)-STAR .....

LOUISVILLE(SDF) .....

HURCN (RNAV)-DP KPASA Q118 THRSR VXV GREYD  
MAUDD (RNAV)-STAR .....

MINNEAPOLIS(MSP) .....

HURCN (RNAV)-DP KPASA Q118 THRSR Q79 IJU J89  
OBK KAMMA KKILR (RNAV)-STAR .....

NASHVILLE(BNA) .....

HURCN (RNAV)-DP KPASA Q118 THRSR WESSN JAGIR  
SWFFT (RNAV)-STAR .....

NEW ORLEANS(MSY) .....

(WATER)GLADZ (RNAV)-DP BAGGS REMIS Y280 REDFN  
Q105 HRV .....

or

HURCN (RNAV)-DP SMELZ Q116 JAWJA CABLO DEFUN  
J2 SJI MNSTR (RNAV)-STAR .....

Terminals	Route
NEW YORK(JFK) .....	(DEEP OCEAN)FOLZZ (RNAV)–DP ALYRA ROWSY Y494 YAALE Y495 CAMRN .....
	or
NEW YORK(LGA).....	ALTNN (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS SIE CAMRN–STAR (WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO GARIC Q107 HURTS PROUD (RNAV)–STAR .....
	or
NEWARK(EWR) .....	ALTNN (RNAV)–DP DUCEN Q87 HURTS PROUD (RNAV)–STAR..... (DEEP OCEAN)FOLZZ (RNAV)–DP ALYRA ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV V249 METRO or
ORLANDO(MCO) .....	ALTNN (RNAV)–DP DUCEN Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)–STAR.....
PITTSBURGH(PIT).....	FLMGO (RNAV)–DP WAPOM RIDES (RNAV)–STAR .. ALTNN (RNAV)–DP DUCEN Q87 VIYAP Q69 RICCS LEJOY DEMME (RNAV)–STAR .....
RALEIGH/DURHAM(RDU) .....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO GARIC BLOGS (RNAV)–STAR .....
	or
SAT, BAZ, CVB, PEZ, RND, SSF, SKF, 5C1	ALTNN (RNAV)–DP DUCEN Q87 VIYAP Q69 GURGE PETTO DMSTR (RNAV)–STAR .....
ST LOUIS(STL) .....	GLADZ (RNAV)–DP BAGGS Y290 LEV CAAGE QERVO (RNAV)–STAR.....
TALLAHASSEE(TLH) .....	HURCN (RNAV)–DP SMLZ Q116 VLKNN GETME J151 VISQA BOOSH (RNAV)–STAR.....
TAMPA(TPA).....	HURCN (RNAV)–DP SMLZ Q116 PATOY SZW .....
TETERBORO(TEB).....	BNGOS (RNAV)–DP COREA BLFRG (RNAV)–STAR ... (DEEP OCEAN)FOLZZ (RNAV)–DP ALYRA ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV V249 METRO
TORONTO(CYYZ).....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO GARIC Q129 PYTON WOZEE LINNG (CANADIAN) (RNAV)–STAR.....
WASHINGTON(DCA).....	ALTNN (RNAV)–DP DUCEN Q87 RAYVO Q113 AARNN WAVES CAPSS (RNAV)–STAR .....
WASHINGTON(IAD).....	(WATER)FOLZZ (RNAV)–DP ALYRA GRUBR Y299 SEELO GARIC Q129 YERBA MAYKR TRSSK CAVLR (RNAV)–STAR.....
	or
WHITE PLAINS(HPN) .....	ALTNN (RNAV)–DP DUCEN Q87 ALWZZ OGRAE BZNGA DORRN CAVLR (RNAV)–STAR..... ALTNN (RNAV)–DP DUCEN Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS SIE BOUNO–STAR
<b>MIAMI(OPF)</b>	
ORLANDO(MCO) .....	FLMGO (RNAV)–DP WAPOM RIDES (RNAV)–STAR ..
<b>MIAMI(TMB)</b>	
47N,CDW,LDJ,MMU,SMQ,TEB .....	ALTNN (RNAV)–DP DUCEN Q87 GEARS SWNGR JAIKE (RNAV)–STAR .....
ORLANDO(MCO) .....	FLMGO (RNAV)–DP WAPOM RIDES (RNAV)–STAR ..
<b>MOBILE(MOB)</b>	
ATLANTA(ATL).....	(TURBOJETS)(ATL WEST OPERATION)CATLN FRDDO HOBTT (RNAV)–STAR .....
	or
HOUSTON(HOU).....	(TURBOJETS)(ATL EAST OPERATION)CATLN FRDDO GNDLF (RNAV)–STAR .....
	(TURBOJETS – DME/DME/IRU OR GPS)(HOU EAST FLOW)SJI BAYYY (RNAV)–STAR .....
	or
	(TURBOJETS – DME/DME/IRU OR GPS)(HOU WEST FLOW)SJI PUCKS (RNAV)–STAR .....
	or
	(TURBOPROPS – DME/DME/IRU OR GPS)SJI BBURT TKNIQ (RNAV)–STAR .....

# PREFERRED IFR ROUTES

547

Effective  
Times (UTC)

## Terminals

HOUSTON(IAH).....

## Route

(TURBOJETS & TURBOPROPS – DME/DME/IRU OR GPS)(IAH EAST FLOW)SJI NNCEE (RNAV)–STAR ..  
or  
(TURBOJETS & TURBOPROPS –NON–ADVANCED NAV ONLY)SJI GILCO–STAR ..  
or  
(TURBOJETS & TURBOPROPS – DME/DME/IRU OR GPS)(IAH WEST FLOW)SJI LINKK (RNAV)–STAR ..

## MYRTLE BEACH(MYR)

CHICAGO(ORD).....  
CLEVELAND(CLE).....  
PORTSMOUTH(PSM).....

QUIWE Q93 HEVAN BONNT VEECK (RNAV)–STAR ..  
ADEPT HVQ JANYS ROLLN (RNAV)–STAR ..  
CRE JAMIE CONFR Q133 LLUND Q22 FOXWD KLANE TTERI REMDG ..

## NAPLES(APF)

MIAMI(MIA).....  
ORLANDO(MCO).....  
TAMPA(TPA).....

FROGZ FROGZ (RNAV)–STAR ..  
CSHEL (RNAV)–DP CSHEL FAZES JOKRS (RNAV)–STAR  
FERAL BLFRG (RNAV)–STAR.....

## NASHVILLE(BNA)

AUSTIN(AUS).....  
BALTIMORE(BWI).....  
BOCA RATON(BCT).....  
CHICAGO(MDW).....

DANLS (RNAV)–DP DANLS MEMFS TXK BROBB WINDU SEWZY (RNAV)–STAR ..  
CHADM (RNAV)–DP SWAPP Q34 NEALS BKW RAVNN (RNAV)–STAR ..  
FLAME (RNAV)–DP FLAME ACORI VUUDU (RNAV)–STAR  
(/E, /G, /R, /J, /L, /Q ONLY)IIU DROSE FISSK (RNAV)–STAR ..  
or  
(NON–ADVANCED RNAV ONLY)IIU OKK CLEFT OXI CGT IIU HEVAN BONNT VEECK (RNAV)–STAR ..  
(RNAV TURBOJET)IIU DRUGA ROKNN (RNAV)–STAR

CHICAGO(ORD).....  
CLEVELAND METRO(CLE, CGF, BKL, LNN, LPR).....  
COLUMBUS(CMH).....

GETTA JAKTZ (RNAV)–STAR ..  
or

DENVER(DEN).....  
DETROIT(DTW).....

LVT V493 YRK SCRLT SCRLT (RNAV)–STAR ..  
FAM J112 BUM J110 GCK KISS CLASH (RNAV)–STAR  
(DME/DME/IRU OR GPS REQUIRED)(DTW NORTH FLOW)IMPTEL WWODD LECTR (RNAV)–STAR ..  
or  
(DME/DME/IRU OR GPS REQUIRED)(DTW SOUTH FLOW)IMPTEL WWODD HANBL (RNAV)–STAR ..

FORT LAUDERDALE(FLL).....  
FORT MYERS(FMY).....

FLAME (RNAV)–DP FLAME ACORI TEEKY (RNAV)–STAR  
FLAME (RNAV)–DP FLAME BULZI Q81 NICKI PLYER TYNEE (RNAV)–STAR ..

FORT MYERS(RSW).....

FLAME (RNAV)–DP FLAME BULZI Q81 NICKI PLYER TYNEE (RNAV)–STAR ..  
(TURBOJETS – DME/DME/IRU OR GPS)LIT J180 SWB WAPPL (RNAV)–STAR ..

HOUSTON(HOU).....

or  
(NON–TURBOJETS – DME/DME/IRU OR GPS)LIT J180 SWB CESAN CESAN (RNAV)–STAR.....

HOUSTON(IAH).....

(TURBOJETS – DME/DME/IRU OR GPS)(IAH EAST FLOW)LIT J180 SWB GESNR (RNAV)–STAR.....  
or  
(NON–TURBOJETS – DME/DME/IRU OR GPS)LIT J180 SWB GESNR (RNAV)–STAR ..

MIAMI(MIA).....  
MINNEAPOLIS(MSP).....  
NEW YORK(JFK).....

or  
(TURBOJETS – DME/DME/IRU OR GPS)(IAH WEST FLOW)LIT J180 SWB ZEEKK (RNAV)–STAR ..  
FLAME (RNAV)–DP FLAME ACORI FROGZ (RNAV)–STAR  
(TURBOJETS)IIU J89 OBK KAMMA KKILR (RNAV)–STAR  
TAZMO (RNAV)–DP BURME VXV IDDA Q64 SAWED Q97 DLAAY RADD SIE CAMRN–STAR ..

1000–0300

NEW YORK(LGA).....

KRSTA (RNAV)–DP OLSIE IIU Q139 CREEP Q29 WWSHR TEESY J146 ETG MILTON–STAR ..  
(GPS OR DME/DME–IRU EQUIPPED)TAZMO BURGG Q22 UMBRE QUART PHLBO (RNAV)–STAR ..

1100–0400

NEWARK(EWR).....

or  
(GPS OR DME/DME–IRU EQUIPPED)KRSTA (RNAV)–DP OLSIE IIU DORET J584 SLT WILLIAMSPORT–STAR

1100–0400

**Terminals**

ORLANDO(MCO) .....

ORLANDO(ORL) .....

PHILADELPHIA(PHL) .....

PITTSBURGH(PIT) .....

PORTSMOUTH(PSM) .....

SAT, BAZ, CVB, PEZ, RND, SSF, SKF, 5C1

ST LOUIS(STL) .....

TORONTO(CYYZ) .....

WASHINGTON(DCA) .....

WASHINGTON(IAD) .....

WEST PALM BEACH(PBI) .....

WINDSOR LOCKS(BDL) .....

**NASSAU(MYNN)**

47N,CDW,LDJ,MMU,SMQ,TEB .....

BOSTON(BOS) .....

CHICAGO(ORD) .....

MONTREAL(CYUL) .....

NEW YORK(JFK) .....

NEW YORK(LGA) .....

NEWARK(EWR) .....

TORONTO(CYYZ) .....

WASHINGTON(IAD) .....

**NEW BERN(EWN)**

ATLANTA(ATL) .....

CHARLOTTE(CLT) .....

**ORLANDO(MCO)**

47N,CDW,LDJ,MMU,SMQ,TEB .....

**Route**

TIPPN (RNAV)-DP BRXTN THRSR ZJAYX GRNCH  
(RNAV)-STAR .....

TIPPN (RNAV)-DP BRXTN THRSR ZPLEN MJKAL JAFAR  
(RNAV)-STAR .....

SWAPP Q34 GVE PAATS (RNAV)-STAR .....

IUU HNN FEWGA (RNAV)-STAR .....

HITMN VXV BURGG Q22 FOXWD KLANE TTERI REMDG  
DANLS (RNAV)-DP DANLS LIT J131 TXK WINDU QERVO  
(RNAV)-STAR .....

BNA BOOSH (RNAV)-STAR .....

IUU Q139 RINTE QWERI NUBER (CANADIAN)  
(RNAV)-STAR .....

SWAPP Q34 NEALS BKW TRUPS (RNAV)-STAR .....

SWAPP Q34 NEALS BKW GIBBZ (RNAV)-STAR .....

FLAME (RNAV)-DP FLAME ACORI VUUDU (RNAV)-STAR  
HITMN VXV BURGG Q22 RBV Q419 DPK DEER  
PARK-STAR .....

(DEEP OCEAN)ZQA G437 ELBOW NUCAR Y307 JAZZI  
GARIC ZORDO Q111 SWNGR JAIKE (RNAV)-STAR  
ZQA G437 ELBOW NUCAR Y307 CARPX WEAKK Y494  
YAALE Y495 OWENZ SHERL HTO ROBUC ROBUC  
(RNAV)-STAR .....

or

(DEEP OCEAN)ZQA G437 ELBOW NUCAR Y307 JAZZI  
WAALT Q131 EARZZ JAMIE CONFR Q133 JFK ROBUC  
(RNAV)-STAR .....

ZQA G437 ELBOW NUCAR Y307 JAZZI DIZNY Y436  
DEDDY QUIWE Q93 HEVAN BONNT VEECK  
(RNAV)-STAR .....

(DEEP OCEAN)ZQA G437 ELBOW NUCAR Y307 JAZZI  
WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND CAM  
JASDU PBERG CARTR (CANADIAN) (RNAV)-STAR  
ZQA G437 ELBOW NUCAR Y307 CARPX WEAKK Y494  
YAALE Y495 CAMRN .....

or

(DEEP OCEAN)ZQA G437 ELBOW NUCAR Y307 JAZZI  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADDS SIE  
CAMRN-STAR .....

ZQA G437 ELBOW NUCAR Y307 JAZZI GARIC Q107  
HURTS PROUD (RNAV)-STAR .....

ZQA G437 ELBOW NUCAR Y307 CARPX WEAKK Y494  
YAALE Y497 SUBBS CYN GXU RBV V249 METRO  
or

(DEEP OCEAN)ZQA G437 ELBOW NUCAR Y307 JAZZI  
GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR  
ZQA G437 ELBOW NUCAR Y307 JAZZI GARIC Q129  
PYTON WOZEE LINNG (CANADIAN) (RNAV)-STAR  
ZQA G437 ELBOW NUCAR Y307 JAZZI GARIC Q129  
YERBA MAYKR TRSSK CAVLR (RNAV)-STAR .....

(WEST FLOW)ILM KAATT Q172 YUTEE SKWKR JJEDI  
(RNAV)-STAR .....

or

(EAST FLOW)ILM KAATT Q172 YUTEE SKWKR SIITH  
(RNAV)-STAR .....

(AOB FL220)ILM OKNEE MLLT (RNAV)-STAR .....

(WATER)MZULO (RNAV)-DP LENDS GRUBR Y299 SEELO  
GARIC ZORDO Q111 SWNGR JAIKE (RNAV)-STAR  
or  
FATHE (RNAV)-DP VIYAP Q87 GEARS SWNGR JAIKE  
(RNAV)-STAR .....

# PREFERRED IFR ROUTES

549

Terminals	Route	Effective Times (UTC)
ALBANY(ALB) .....	FATHE (RNAV)–DP VIYAP Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 LLUND TRUDE V487 CANAN or FATHE (RNAV)–DP VIYAP Q87 GEARS BBOBO Q22 LLUND TRUDE V487 CANAN .....	
ATLANTA(ATL) .....	(WATER)MZULO (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND TRUDE V487 CANAN .....	
ATLANTIC CITY(ACY) .....	(ATL EAST OPERATION)JEEMY (RNAV)–DP PAINN SHRKS LAIRI LARZZ SITTH (RNAV)–STAR .....	
AUSTIN(AUS) .....	(ATL WEST OPERATION)JEEMY (RNAV)–DP PAINN SHRKS LAIRI LARZZ JJEDI (RNAV)–STAR .....	
BAF,BDL,CEF .....	FATHE (RNAV)–DP VIYAP Q87 JROSS Q135 CUDLE Q117 SAWED Q97 ZJAAJ RADD SIE .....	
BED,BVY,LWM .....	OSPRY (RNAV)–DP REMIS Y280 LEV LCH WEEED WLEEE (RNAV)–STAR .....	
BIRMINGHAM(BHM) .....	FATHE (RNAV)–DP VIYAP Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK DEER PARK–STAR .....	1500–0300
BOSTON(BOS) .....	(WATER)MZULO (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER PARK–STAR .....	
BUFFALO(BUF) .....	or FATHE (RNAV)–DP VIYAP Q87 GEARS BBOBO Q22 RBV Q419 DPK DEER PARK–STAR.....	1000–1459
BWI,DMW,MTN .....	(WATER)MZULO (RNAV)–DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM (RNAV)–STAR .....	
CHARLOTTE(CLT) .....	or FATHE (RNAV)–DP VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 CCC ORW DREEM (RNAV)–STAR	
CHICAGO(MDW) .....	RDSOX (RNAV)–DP JFRYS PATOY Q116 DEEDA WANDS	
CHICAGO(ORD) .....	FATHE (RNAV)–DP VIYAP Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR ...	1500–0300
CLEVELAND(CLE) .....	or FATHE (RNAV)–DP VIYAP Q87 GEARS BBOBO Q22 RBV Q419 JFK ROBUC (RNAV)–STAR.....	1000–1459
COLUMBUS(CMH) .....	or (WATER)MZULO (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR .....	
COVINGTON(CVG) .....	or (DEEP OCEAN)MZULO (RNAV)–DP ETECK PELCN ROWSY Y494 YAAL E Y495 OWENZ SHERL HTO ROBUC ROBUC (RNAV)–STAR .....	
DENVER(DEN) .....	FATHE (RNAV)–DP VIYAP Q69 RICCS EWC DKK..... (WATER)MZULO (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC ZORDO Q111 RUKRR THHMP RAVNN (RNAV)–STAR .....	
	or FATHE (RNAV)–DP VIYAP Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)–STAR.....	
	FATHE (RNAV)–DP VIYAP CHECR STOCR (RNAV)–STAR	
	RDSOX (RNAV)–DP JFRYS BRUTS Q118 THRSR Q79 IJU DROSE FISSK (RNAV)–STAR .....	
	RDSOX (RNAV)–DP JFRYS BRUTS Q118 HEVAN BONNT VEECK (RNAV)–STAR .....	
	FATHE (RNAV)–DP VIYAP Q69 GURGE Q93 QUIWE SPA J85 HVQ JANYS ROLLN (RNAV)–STAR .....	
	JEEMY (RNAV)–DP PAINN SHRKS Q77 WIGVO IRQ SPA MCGNS SCRLT (RNAV)–STAR .....	
	JEEMY (RNAV)–DP PAINN SHRKS Q77 WIGVO IRQ J99 VXV JAKIE (RNAV)–STAR .....	
	RDSOX (RNAV)–DP JFRYS PATOY Q116 MEMFS MEM RZC PER GCK KIISS CLASH (RNAV)–STAR .....	

Terminals	Route
DETROIT(DTW) .....	(DTW SOUTH FLOW)JEEMY (RNAV)–DP PAINN SHRKS Q77 WIGVO IRQ SPA HNN SUBWY CRAKN (RNAV)–STAR..... or (DTW NORTH FLOW)JEEMY (RNAV)–DP PAINN SHRKS Q77 WIGVO IRQ SPA HNN SUBWY HTROD (RNAV)–STAR.....
FARMINGDALE(FRG) .....	FATHE (RNAV)–DP VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....
FORT LAUDERDALE(FLL) .....	(WATER)MZULO (RNAV)–DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....
HOUSTON(HOU) .....	DDANY (RNAV)–DP JIPOD CUUDA (RNAV)–STAR.... (HOU WEST FLOW)RDSOX (RNAV)–DP JFRYS PATOY Q116 JAWJA CABLO DEFUN J2 PUCKS (RNAV)–STAR or (HOU WEST FLOW)OSPRY (RNAV)–DP REMIS Y280 LEV PUCKS (RNAV)–STAR .....
	or (HOU EAST FLOW)RDSOX (RNAV)–DP JFRYS PATOY Q116 JAWJA CABLO DEFUN J2 SJI BAYYY (RNAV)–STAR..... or (HOU EAST FLOW)OSPRY (RNAV)–DP REMIS Y280 LEV BAYYY (RNAV)–STAR .....
HOUSTON(IAH) .....	(IAH WEST FLOW)RDSOX (RNAV)–DP JFRYS PATOY Q116 JAWJA CABLO DEFUN J2 SJI LINKK (RNAV)–STAR..... or (IAH EAST FLOW)OSPRY (RNAV)–DP REMIS Y280 LEV NNCEE (RNAV)–STAR .....
	or (IAH EAST FLOW)RDSOX (RNAV)–DP JFRYS PATOY Q116 JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)–STAR or (IAH WEST FLOW)OSPRY (RNAV)–DP REMIS Y280 LEV LINKK (RNAV)–STAR .....
ILG,MQS,PHL,PNE,TTN .....	(WATER)MZULO (RNAV)–DP ETECK PELCN Y309 FLRDA IDOLS SKARP Q101 KALDA ZJAAY JIIMS (RNAV)–STAR or FATHE (RNAV)–DP VIYAP Q87 JROSS Q135 CUDLE Q117 SAWED Q97 ZJAAY JIIMS (RNAV)–STAR ....
INDIANAPOLIS(IND) .....	RDSOX (RNAV)–DP JFRYS BRUTS Q118 THRSR Q79 SWAPP HAGAL GIIBS (RNAV)–STAR .....
LOUISVILLE(SDF) .....	JEEMY (RNAV)–DP PAINN SHRKS WIGVO VXV GREYD MAUDD (RNAV)–STAR .....
MANCHESTER(MHT) .....	(WATER)MZULO (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 GANDE SMYTH ROZZE (RNAV)–STAR .....
MIAMI(MIA) .....	DDANY (RNAV)–DP DDANY CSTAL (RNAV)–STAR ...
MINNEAPOLIS(MSP) .....	RDSOX (RNAV)–DP JFRYS PATOY Q116 VLKNN GETME J151 STL IOW MNOSO BLUEM (RNAV)–STAR .....
	or RDSOX (RNAV)–DP JFRYS BRUTS Q118 THRSR Q79 IIU J89 OBK KAMMA KKILR (RNAV)–STAR .....
MONTREAL(CYUL) .....	(WATER)MZULO (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND CAM JASDU PBERG CARTR (CANADIAN) (RNAV)–STAR or FATHE (RNAV)–DP VIYAP Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 LLUND CAM JASDU PBERG CARTR (CANADIAN) (RNAV)–STAR .....
NANTUCKET(ACK) .....	(WATER)MZULO (RNAV)–DP ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 YAZUU SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)–STAR
NASHVILLE(BNA) .....	RDSOX (RNAV)–DP JFRYS BRUTS Q118 THRSR WESSN JAGIR SWFFT (RNAV)–STAR.....

# PREFERRED IFR ROUTES

551

Effective  
Times (UTC)

## Terminals

NEW YORK(ISP) .....

NEW YORK(JFK).....

NEW YORK(LGA).....

NEWARK(EWR).....

PITTSBURGH(PIT).....

POU,SWF .....

PROVIDENCE(PVD) .....

RALEIGH/DURHAM(RDU) .....

RICHMOND(RIC).....

SAT, BAZ, CVB, PEZ, RND, SSF, SKF, 5C1

ST LOUIS(STL) .....

TETERBORO(TEB) .....

TORONTO(CYYZ) .....

WASHINGTON(DCA).....

WASHINGTON(IAD).....

WHITE PLAINS(HPN).....

## Route

(WATER)MZULO (RNAV)-DP ETECK PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439  
SARDI CCC .....

(WATER)MZULO (RNAV)-DP ETECK PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE  
CAMRN-STAR .....

or

(DEEP OCEAN)MZULO (RNAV)-DP ETECK PELCN  
ROWSY Y494 YAALE Y495 CAMRN.....

or

FATHE (RNAV)-DP VIYAP Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 SIE CAMRN-STAR

FATHE (RNAV)-DP VIYAP Q87 HURTS PROUD  
(RNAV)-STAR .....

or

(WATER)MZULO (RNAV)-DP LENDS GRUBR Y299 SEELO  
GARIC Q107 HURTS PROUD (RNAV)-STAR .....

(WATER)MZULO (RNAV)-DP LENDS GRUBR Y299 SEELO  
GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR

or

(DEEP OCEAN)MZULO (RNAV)-DP ETECK PELCN  
ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV  
V249 METRO .....

or

FATHE (RNAV)-DP VIYAP Q87 ALWZZ OGRAE Q99  
QUART PHLBO (RNAV)-STAR .....

FATHE (RNAV)-DP VIYAP Q69 RICCS LEJOY DEMME  
(RNAV)-STAR .....

(WATER)MZULO (RNAV)-DP LENDS GRUBR Y299 SEELO  
WAALT Q131 EARZZ JAMIE CONFR Q481 DPK  
HUDSON-STAR .....

(WATER)MZULO (RNAV)-DP ETECK PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA ZJAA Y Q167 ORCHA  
JORDN JORDN (RNAV)-STAR .....

FATHE (RNAV)-DP VIYAP Q69 GURGE PETTO DMSTR  
(RNAV)-STAR .....

FATHE (RNAV)-DP VIYAP Q87 NOWAE NEAVL DUCXS  
(RNAV)-STAR .....

RDSOX (RNAV)-DP JFRYS PATOY Q116 JAWJA CABLO  
DEFUN J2 LCH CAAGE QERVO (RNAV)-STAR .....

or

OSPRY (RNAV)-DP REMIS Y280 LEV CAAGE QERVO  
(RNAV)-STAR .....

RDSOX (RNAV)-DP JFRYS PATOY Q116 VLKNN GETME  
J151 VISQA BOOSH (RNAV)-STAR .....

(DEEP OCEAN)MZULO (RNAV)-DP ETECK PELCN  
ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV  
V249 METRO .....

FATHE (RNAV)-DP VIYAP Q69 RICCS OXMAN LINNG  
(CANADIAN) (RNAV)-STAR .....

FATHE (RNAV)-DP VIYAP Q87 RAYVO Q113 AARNN  
WAVES CAPSS (RNAV)-STAR .....

or

(WATER)MZULO (RNAV)-DP LENDS GRUBR Y299 SEELO  
GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR

FATHE (RNAV)-DP VIYAP Q87 ALWZZ OGRAE BZNGA  
DORRR CAVLR (RNAV)-STAR .....

or

(WATER)MZULO (RNAV)-DP LENDS GRUBR Y299 SEELO  
GARIC Q129 YERBA MAYKR TRSSC CAVLR  
(RNAV)-STAR .....

(WATER)MZULO (RNAV)-DP ETECK PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE  
BOUNO-STAR .....



Terminals	Route
<b>ORLANDO(ORL)</b>	
47N,CDW,LDJ,MMU,SMQ,TEB .....	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA LENDS GRUBR Y299 SEELO GARIC ZORDO Q111 SWNGR JAIKE (RNAV)–STAR .....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ WORMS GUANO BKENI VIYAP Q87 GEARS SWNGR JAIKE (RNAV)–STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES WORMS GUANO BKENI VIYAP Q87 GEARS SWNGR JAIKE (RNAV)–STAR .....
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA LENDS GRUBR Y299 SEELO GARIC ZORDO Q111 SWNGR JAIKE (RNAV)–STAR .....
	or
	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA LENDS GRUBR Y299 SEELO GARIC ZORDO SWNGR Q111 JAIKE (RNAV)–STAR .....
ALBANY(ALB) .....	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA LENDS GRUBR Y299 SEELO GARIC ZORDO Q131 EARZZ JAMIE CONFR Q133 LLUND TRUDE V487 CANAN .....
	or
	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND TRUDE V487 CANAN .....
ATLANTA(ATL) .....	(ORL DEP W/ATL LDG W)TOLLZ (RNAV)–DP TOLLZ JEEMY ACCHE PAINN SHRKS LAIRI LARZZ JJEDI (RNAV)–STAR.....
	or
	(ORL DEP E/ATL LDG E)NYTES (RNAV)–DP NYTES JEEMY ACCHE PAINN SHRKS LAIRI LARZZ SITTH (RNAV)–STAR.....
	or
	(ORL DEP E/ATL LDG W)NYTES (RNAV)–DP NYTES JEEMY ACCHE PAINN SHRKS LAIRI LARZZ JJEDI (RNAV)–STAR.....
	or
	(ORL DEP W/ATL LDG E)TOLLZ TOLLZ JEEMY ACCHE PAINN SHRKS LAIRI LARZZ SITTH (RNAV)–STAR
ATLANTA(PDK) .....	(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ JEEMY ACCHE PAINN SHRKS TEUFL KERLY SHRLT WRGNZ (RNAV)–STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES JEEMY ACCHE PAINN SHRKS TEUFL KERLY SHRLT WRGNZ (RNAV)–STAR .....
BAF,BDL,CEF .....	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER PARK–STAR
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER PARK–STAR

# PREFERRED IFR ROUTES

553

Effective  
Times (UTC)

**Terminals**

BED,BVY,LWM .....

**Route**

(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO  
HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ  
Q133 KALDA Q97 HEADI ORW DREEM (RNAV)-STAR  
or

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP Q87 JROSS ELLDE Q97  
PAACK JAMIE CONFR Q481 DPK MAD HFD DREEM  
(RNAV)-STAR .....

or  
(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO  
HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ  
Q133 KALDA Q97 HEADI ORW DREEM (RNAV)-STAR  
or

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP Q87 JROSS ELLDE Q97  
PAACK JAMIE CONFR Q481 DPK MAD HFD DREEM  
(RNAV)-STAR .....

BOSTON(BOS).....

(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO  
HESTA LENDS GRUBR Y299 SEELO WAALT Q131  
EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR  
or

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP Q87 GEARS BBOBO  
Q22 RBV Q419 JFK ROBUC (RNAV)-STAR .....

or  
(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP Q87 GEARS BBOBO  
Q22 RBV Q419 JFK ROBUC (RNAV)-STAR .....

or  
(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO  
HESTA LENDS GRUBR Y299 SEELO WAALT Q131  
EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR

BWI,DMW,MTN .....

(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO  
HESTA LENDS GRUBR Y299 SEELO GARIC ZORDO  
Q111 RUKRR THHMP RAVNN (RNAV)-STAR .....

or  
(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP Q87 RAYVO Q113  
AARNN THHMP RAVNN (RNAV)-STAR .....

or  
(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO  
HESTA LENDS GRUBR Y299 SEELO GARIC ZORDO  
Q111 RUKRR THHMP RAVNN (RNAV)-STAR .....

or  
(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP Q87 RAYVO Q113  
AARNN THHMP RAVNN (RNAV)-STAR .....

CHARLOTTE(CLT).....

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP CHECR STOCR .....

or  
(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP CHECR STOCR  
(RNAV)-STAR .....

CLEVELAND(CLE).....

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
JEEMY ACCHE PAINN SHRKS Q77 WIGVO IRQ SPA  
J85 HVQ JANYS ROLLN (RNAV)-STAR .....

or  
(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
JEEMY ACCHE PAINN SHRKS Q77 WIGVO IRQ SPA  
J85 HVQ JANYS ROLLN (RNAV)-STAR .....

COLUMBUS(CMH).....

(ORL DEPT EAST)NYTES (RNAV)-DP NYTES JEEMY  
ACCHE PAINN SHRKS Q77 WIGVO IRQ SPA MCGNS  
SCRLT (RNAV)-STAR .....

or  
(ORL DEPT WEST)TOLLZ (RNAV)-DP TOLLZ JEEMY  
ACCHE PAINN SHRKS Q77 WIGVO IRQ SPA MCGNS  
SCRLT (RNAV)-STAR .....

Terminals	Route
COVINGTON(CVG) .....	(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES JEEMY ACCHE PAINN SHRKS Q77 WIGVO IRQ J99 VXV JAKIE (RNAV)-STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES RDSOX JFRYS BRUTS Q118 THRSR VXV JAKIE (RNAV)-STAR.....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ RDSOX JFRYS BRUTS Q118 THRSR VXV JAKIE (RNAV)-STAR.....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ JEEMY ACCHE PAINN SHRKS Q77 WIGVO IRQ J99 VXV JAKIE (RNAV)-STAR .....
DALLAS-FORT WORTH(DFW) .....	(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES OSPRY GDUNN KNOT REMIS Y280 REDFN Q105 HRV J58 AEX PNUTS BERE (RNAV)-STAR .....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ OSPRY GDUNN KNOT REMIS Y280 REDFN Q105 HRV J58 AEX PNUTS BERE (RNAV)-STAR .....
DENVER(DEN) .....	(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES RDSOX JFRYS PATOY Q116 MEMFS RZC PER GCK KISS CLASH (RNAV)-STAR.....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ RDSOX JFRYS PATOY Q116 MEMFS RZC PER GCK KISS CLASH (RNAV)-STAR.....
DETROIT(DTW) .....	(ORL DEP E/DTW LDG S)NYTES (RNAV)-DP NYTES WORMS GUANO BKENI VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX BONZZ (RNAV)-STAR .....
	or
	(ORL DEP W/DTW LDG N)TOLLZ (RNAV)-DP TOLLZ WORMS GUANO BKENI VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX KLYNK (RNAV)-STAR.....
	or
	(ORL DEP W/DTW LDG S)TOLLZ (RNAV)-DP TOLLZ WORMS GUANO BKENI VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX BONZZ (RNAV)-STAR .....
	or
	(ORL DEP E/DTW LDG N)NYTES (RNAV)-DP NYTES WORMS GUANO BKENI VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX KLYNK (RNAV)-STAR.....
FARMINGDALE(FRG) .....	(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADDS Q439 SARDI CCC DPK .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES WORMS GUANO BKENI VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI CCC DPK .....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ WORMS GUANO BKENI VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI CCC DPK .....
	or
	(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADDS Q439 SARDI CCC DPK .....
FORT LAUDERDALE(FLL) .....	(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ DDANY JIPOD CUUDA (RNAV)-STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES DDANY JIPOD CUUDA (RNAV)-STAR .....

# PREFERRED IFR ROUTES

555

Effective  
Times (UTC)

## Terminals

ILG,MQS,PHL,PNE,TTN .....

## Route

(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
WORMS GUANO BKENI VIYAP Q87 JROSS Q135  
CUDLE Q117 SAWED Q97 ZJAAY JIIMS (RNAV)–STAR  
or

INDIANAPOLIS(IND) .....

(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES  
WORMS GUANO BKENI VIYAP Q87 JROSS Q135  
CUDLE Q117 SAWED Q97 ZJAAY JIIMS (RNAV)–STAR  
(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES  
RDSOX JFRYS BRUTS Q118 THRSR Q79 SWAPP  
HAGAL GIIBS (RNAV)–STAR .....

LAWRENCEVILLE(LZU) .....

or  
(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
RDSOX JFRYS BRUTS Q118 THRSR Q79 SWAPP  
HAGAL GIIBS (RNAV)–STAR .....

LOUISVILLE(SDF) .....

(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
JEEMY ACCH E PAINN SHRKS TEUFL KERLY SHRLT  
WRGNZ (RNAV)–STAR .....

MANCHESTER(MHT) .....

or  
(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES  
RDSOX JFRYS BRUTS Q118 THRSR VXV GREDEY  
MAUDD (RNAV)–STAR .....

MIAMI(MIA) .....

(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
RDSOX JFRYS BRUTS Q118 THRSR VXV GREDEY  
MAUDD (RNAV)–STAR .....

MINNEAPOLIS(MSP) .....

(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO  
HESTA LENDS GRUBR Y299 SEELO WAALT Q131  
EARZZ JAMIE CONFR Q133 GANDE SMYTH ROZZE  
(RNAV)–STAR .....

MONTREAL(CYUL) .....

or  
(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
DDANY CSTAL (RNAV)–STAR .....

(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
RDSOX JFRYS PATOY Q116 VLKNN MNOSO BLUEM  
(RNAV)–STAR .....

or  
(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES  
RDSOX JFRYS BRUTS Q118 THRSR Q79 IJU J89 OBK  
KAMMA KKILR (RNAV)–STAR .....

or  
(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES  
RDSOX JFRYS PATOY Q116 VLKNN MNOSO BLUEM  
(RNAV)–STAR .....

or  
(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ  
RDSOX JFRYS BRUTS Q118 THRSR Q79 IJU J89 OBK  
KAMMA KKILR (RNAV)–STAR .....

(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO  
HESTA LENDS GRUBR Y299 SEELO WAALT Q131  
EARZZ JAMIE CONFR Q133 LLUND CAM JASDU  
PBERG CARTR (CANADIAN) (RNAV)–STAR .....

or  
(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO  
HESTA LENDS GRUBR Y299 SEELO WAALT Q131  
EARZZ JAMIE CONFR Q133 LLUND CAM JASDU  
PBERG CARTR (CANADIAN) (RNAV)–STAR .....

Terminals	Route
NANTUCKET(ACK) .....	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 YAZUU SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)–STAR .....
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 YAZUU SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)–STAR .....
NASHVILLE(BNA) .....	(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES RDSOX JFRYS BRUTS Q118 THRSR WESSN JAGIR SWFFT (RNAV)–STAR .....
	or
	(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ RDSOX JFRYS BRUTS Q118 THRSR WESSN JAGIR SWFFT (RNAV)–STAR .....
NEW YORK(ISP) .....	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI CCC
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI CCC
NEW YORK(JFK) .....	(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ WORMS GUANO BKENI VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD SIE CAMRN–STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES WORMS GUANO BKENI VIYAP Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD SIE CAMRN–STAR .....
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE CAMRN–STAR
	or
	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE CAMRN–STAR
NEW YORK(LGA) .....	(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ WORMS GUANO BKENI VIYAP Q87 HURTS PROUD (RNAV)–STAR.....
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA LENDS GRUBR Y299 SEELO GARIC Q107 HURTS PROUD (RNAV)–STAR .....
	or
	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA LENDS GRUBR Y299 SEELO GARIC Q107 HURTS PROUD (RNAV)–STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES WORMS GUANO BKENI VIYAP Q87 HURTS PROUD (RNAV)–STAR.....
NEWARK(EWR) .....	(ORL DEPARTING WEST)TOLLZ (RNAV)–DP TOLLZ WORMS GUANO BKENI VIYAP Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)–STAR .....
	or
	(ORL DEPARTING EAST)NYTES (RNAV)–DP NYTES WORMS GUANO BKENI VIYAP Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)–STAR .....
	or
	(WATER/ORL DEP W)TOLLZ (RNAV)–DP TOLLZ MZULO HESTA LENDS GRUBR Y299 SEELO GARIC Q129 AARNN QUART PHLBO (RNAV)–STAR.....
	or
	(WATER/ORL DEP E)NYTES (RNAV)–DP NYTES MZULO HESTA LENDS GRUBR Y299 SEELO GARIC Q129 AARNN QUART PHLBO (RNAV)–STAR.....

# PREFERRED IFR ROUTES

557

Effective  
Times (UTC)

**Terminals**

PITTSBURGH(PIT).....

**Route**

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP Q69 RICCS LEJOY  
DEMME (RNAV)-STAR .....

or

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP Q69 RICCS LEJOY  
DEMME (RNAV)-STAR .....

PROVIDENCE(PVD) .....

(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO  
HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ  
Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN  
(RNAV)-STAR .....

or

(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO  
HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ  
Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN  
(RNAV)-STAR .....

ST LOUIS(STL) .....

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
RDSOX JFRYS PATOY Q116 VLKNN GETME J151  
VISQA BOOSH (RNAV)-STAR .....

or

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
RDSOX JFRYS PATOY Q116 VLKNN GETME J151  
VISQA BOOSH (RNAV)-STAR .....

WASHINGTON(DCA).....

(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO  
HESTA LENDS GRUBR Y299 SEELO GARIC RANAY  
TANJA WAVES CAPSS (RNAV)-STAR.....

or

(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO  
HESTA LENDS GRUBR Y299 SEELO GARIC RANAY  
TANJA WAVES CAPSS (RNAV)-STAR.....

WASHINGTON(IAD) .....

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP Q87 ALWZZ OGRAE  
BZNGA DORRN CAVLR (RNAV)-STAR .....

or

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP Q87 ALWZZ OGRAE  
BZNGA DORRN CAVLR (RNAV)-STAR .....

WHITE PLAINS(HPN).....

(WATER/ORL DEP E)NYTES (RNAV)-DP NYTES MZULO  
HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ  
Q133 KALDA Q97 DLAAY RADD SIE BOUNO-STAR

or

(WATER/ORL DEP W)TOLLZ (RNAV)-DP TOLLZ MZULO  
HESTA ETECK PELCN Y309 FLRDA SAGGY CHIEZ  
Q133 KALDA Q97 DLAAY RADD SIE BOUNO-STAR

or

(ORL DEPARTING EAST)NYTES (RNAV)-DP NYTES  
WORMS GUANO BKENI VIYAP Q87 JROSS LAANA  
Q109 DFENC SAWED Q97 DLAAY RADD SIE  
BOUNO-STAR .....

or

(ORL DEPARTING WEST)TOLLZ (RNAV)-DP TOLLZ  
WORMS GUANO BKENI VIYAP Q87 JROSS LAANA  
Q109 DFENC SAWED Q97 DLAAY RADD SIE  
BOUNO-STAR .....

**ORLANDO(SFB)**

FORT LAUDERDALE(FLL).....

DDANY JIPOD CUUDA (RNAV)-STAR.....

MIAMI(MIA) .....

DDANY CSTAL (RNAV)-STAR .....

PORTSMOUTH(PSM) .....

WORMS GUANO BKENI VIYAP Q87 GEARS BBOBO Q22  
FOXWD KLANE TTERI REMDG .....

**PANAMA CITY(ECP)**

CHICAGO(ORD).....

RRS VUZ J151 FAM FTZ TRTLL (RNAV)-STAR .....

**PENSACOLA(PNS)**

HOUSTON(HOU) .....

CEW PIGON VUZ J151 FAM FTZ TRTLL (RNAV)-STAR  
(TURBOJETS - DME/DME/IRU OR GPS)(HOU WEST  
FLOW)ROMMY HRV KCEEE PUCKS (RNAV)-STAR

or

(TURBOJETS - DME/DME/IRU OR GPS)(HOU EAST  
FLOW)ROMMY HRV KCEEE BAYYY (RNAV)-STAR

1000-0300

## PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
HOUSTON(IAH).....	(TURBOJETS & TURBOPROPS – DME/DME/IRU OR GPS)(IAH WEST FLOW)ROMMY HRV LINKK (RNAV)–STAR..... or (TURBOJETS & TURBOPROPS –DME/DME/IRU OR GPS)(IAH EAST FLOW)ROMMY HRV NNCEE (RNAV)–STAR.....	1000–0300  1000–0300
<b>PORT AU PRINCE(MTPP)</b>		
ATLANTA(ATL).....	(AT OR ABOVE FL370)(ATL WEST OPERATION)JOSES Y398 KNSLY Y298 VENDS Y185 MANLE Q89 SHRKS LAIRI LARZZ JJEDI (RNAV)–STAR ..... or (AT OR ABOVE FL370)(ATL EAST OPERATION)JOSES Y398 KNSLY Y298 VENDS Y185 MANLE Q89 SHRKS LAIRI LARZZ SITTH (RNAV)–STAR ..... or (ATL WEST OPERATION)JOSES Y398 KNSLY Y353 SUMAC Y280 OCTAL Q77 SHRKS LAIRI LARZZ JJEDI (RNAV)–STAR..... or (ATL EAST OPERATION)JOSES Y398 KNSLY Y353 SUMAC Y280 OCTAL Q77 SHRKS LAIRI LARZZ SITTH (RNAV)–STAR.....	
NEW YORK(JFK) .....	(DEEP OCEAN)JOSES Y398 KNSLY Y298 RUMFO Y374 NUCAR Y307 JAZZI SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE CAMRN–STAR..... or (DEEP OCEAN)ALBBE M594 GTK HAGIT L450 LETON L451 JAINS CLOWR SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE CAMRN–STAR..... or (DEEP OCEAN)BOTES G444 GTK HAGIT L452 OXANA AR8 ECG KALDA Q97 DLAAY RADD SIE CAMRN–STAR..... or BOTES G444 GTK M594 CERDA L453 SAUCR Y485 HOBH SILLY STINK YAALE YETTI MOUGH DONAA OWENZ CAMRN ..... or BOTES G444 GTK M594 CERDA LUCTI L454 OKONU YAALE YETTI MOUGH DONAA OWENZ CAMRN....	
NEWARK(EWR) .....	ALBBE M594 CERDA LUCTI L454 BERGH L454 OWENZ CYN GXU RBV V249 METRO ..... or (DEEP OCEAN)ALBBE M594 GTK HAGIT L452 OXANA AR8 ECG QUART PHLBO (RNAV)–STAR ..... or ALBBE M594 CERDA LUCTI L454 OKONU YAALE YETTI MOUGH DONAA OWENZ CYN GXU RBV V249 METRO ..... or (DEEP OCEAN)JOSES Y398 KNSLY Y298 RUMFO Y374 NUCAR Y307 JAZZI GARIC Q129 AARNN QUART PHLBO (RNAV)–STAR ..... or (DEEP OCEAN)ALBBE M594 GTK HAGIT L450 LETON L451 JAINS CLOWR GARIC Q129 AARNN QUART PHLBO (RNAV)–STAR .....	
<b>PUNTA GORDA(PGD)</b>		
PORTSMOUTH(PSM).....	LAL JINOS ETORE FEMON Q87 GEARS BBOBO Q22 FOXWD KLANE TTERI REMDG.....	
<b>RALEIGH/DURHAM(RDU)</b>		
06FA,BCT,FXE,PBI,PMP .....	ROZBO (RNAV)–DP ROZBO SLITT SMPRR ELMSZ Q97 KENLL CPTAN (RNAV)–STAR.....	
07FA,FLL,HST,HWO,MIA,OPF,TMB,X51	(VLJ)/TURBPROP ONLY: INCL EA50,E50P,SF50,C510,C525)ROZBO (RNAV)–DP ROZBO SLITT SMPRR ELMSZ Q97 KENLL TARP (RNAV)–STAR.....	
07FA,HST,MIA,TMB,X51 .....	ROZBO (RNAV)–DP ROZBO SLITT SMPRR ELMSZ Q97 DEBRL CSTAL (RNAV)–STAR .....	

# PREFERRED IFR ROUTES

559

Terminals	Route	Effective Times (UTC)
7FL6,DAB,DED,EVB,LEE,OMN,ORL,SFB,X50 .....	ROZBO (RNAV)–DP ROZBO SLITT SMPRR Q85 LPERD THOR (RNAV)–STAR .....	1100–0300
ALBANY(ALB) .....	BEXGO (RNAV)–DP BOUSY GEARS BBOBO Q22 LLUND TRUDE V487 CANAN .....	
APF,FMY,MKY,RSW .....	HOOKZ (RNAV)–DP DAWTS MRPIT Q409 PUPYY Q103 CYNTA SHFTY (RNAV)–STAR .....	1100–0300
ATLANTA(ATL) .....	(RNAV EQUIPPED)SHPRD (RNAV)–DP SHPRD LEAVI OZZZI (RNAV)–STAR .....	1100–0400
AUSTIN(AUS) .....	SHPRD (RNAV)–DP SHPRD BURGG THRSR GARTS LCH WEEED WLEEE (RNAV)–STAR .....	
BAF,BDL,CEF .....	HURIC (RNAV)–DP FEBEL GUILD JAMIE CONFR Q481 DPK DEER PARK–STAR .....	1600–0300
	or	
BALTIMORE(BWI) .....	BEXGO (RNAV)–DP BOUSY GEARS BBOBO Q22 RBV Q419 DPK DEER PARK–STAR .....	1100–1559
BOSTON(BOS) .....	BEXGO (RNAV)–DP BOUSY THHMP RAVNN (RNAV)–STAR .....	1100–0300
BUFFALO(BUF) .....	HURIC (RNAV)–DP FEBEL GUILD JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR .....	1600–0300
	or	
CHICAGO(MDW) .....	BEXGO (RNAV)–DP BOUSY GEARS BBOBO Q22 RBV Q419 JFK ROBUC (RNAV)–STAR .....	1100–1559
CHICAGO(ORD) .....	OXFRD (RNAV)–DP CARM L BBDOL STPBY AML J220 SFK BENE .....	1100–0300
CLEVELAND(CLE) .....	LWOOD (RNAV)–DP DANCO HVQ FWA PANGG (RNAV)–STAR .....	1100–0300
COLUMBUS(CMH) .....	SHPRD (RNAV)–DP SHPRD DOOGE Q93 HEVAN BONNT VEECK (RNAV)–STAR .....	1100–0400
COVINGTON(CVG) .....	LWOOD (RNAV)–DP DANCO HVQ JANYS ROLLN (RNAV)–STAR .....	1100–0300
DALLAS(DAL) .....	LWOOD (RNAV)–DP DANCO MCGNS SCLRT (RNAV)–STAR .....	
	(RNAV EQUIPPED)SHPRD (RNAV)–DP SHPRD HMV JAKIE (RNAV)–STAR .....	
DALLAS–FORT WORTH(DFW) .....	(TURBOJET)(DAL SOUTH FLOW)SHPRD (RNAV)–DP SHPRD AWYAT Q52 CHOPZ THRSR VLKNN Q30 IZAAC PUDJE REDDN (RNAV)–STAR .....	
	or	
	(TURBOJET)(DAL NORTH FLOW)SHPRD (RNAV)–DP SHPRD AWYAT Q52 CHOPZ THRSR VLKNN Q30 IZAAC PUDJE MNND (RNAV)–STAR .....	
	(TURBOJET)(DFW SOUTH FLOW)SHPRD (RNAV)–DP SHPRD AWYAT Q52 CHOPZ THRSR VLKNN Q30 IZAAC YUYUN BERE (RNAV)–STAR .....	
	or	
	(TURBOJET)(DFW NORTH FLOW)SHPRD (RNAV)–DP SHPRD AWYAT Q52 CHOPZ THRSR VLKNN Q30 IZAAC YUYUN WHINY (RNAV)–STAR .....	
DETROIT(DTW) .....	(DTW SOUTH FLOW)LWOOD (RNAV)–DP DANCO BKW JAMOX BONZZ (RNAV)–STAR .....	1100–0300
	or	
	(DTW NORTH FLOW)LWOOD DANCO BKW JAMOX KLYNK (RNAV)–STAR .....	1100–0300
FA54,LAL,PGD,SRQ,VNC .....	(JETS/TURBOPROPS ONLY)HOOKZ (RNAV)–DP DAWTS MRPIT Q409 PUPYY KYU LUBBR (RNAV)–STAR .....	
FLL,OPF .....	(JETS ONLY, EXCLUDES EA50, E50P, SF50, C510, C525)ROZBO (RNAV)–DP ROZBO SLITT SMPRR ELSMZ Q97 PRMUS CUUDA (RNAV)–STAR .....	
FORT LAUDERDALE(FLL) .....	(JETS ONLY, EXCLUDES EA50, E50P, SF50, C510, C525)(WATER)ROZBO (RNAV)–DP ROZBO GARIC JRDAN Y291 MAJK CUUDA (RNAV)–STAR .....	
HOUSTON(HOU) .....	(TURBOJETS–DME/DME/IRU OR GPS)SHPRD (RNAV)–DP SHPRD DEBIE IPTAY CHOPZ THRSR JAMMR MERDN AEX WAPPL (RNAV)–STAR .....	



## PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
HOUSTON(IAH).....	(IAH EAST FLOW)SHPRD (RNAV)-DP SHPRD DEBIE IPTAY CHOPZ THRSR MGMRY CATLN SJI NNCEE (RNAV)-STAR..... or (IAH WEST FLOW)SHPRD (RNAV)-DP SHPRD DEBIE IPTAY CHOPZ THRSR JAMMR MERDN AEX DOOBI (RNAV)-STAR..... or (IAH EAST FLOW)SHPRD (RNAV)-DP SHPRD DEBIE IPTAY CHOPZ THRSR JAMMR MERDN AEX SKNRD (RNAV)-STAR..... or (IAH WEST FLOW)SHPRD (RNAV)-DP SHPRD DEBIE IPTAY CHOPZ THRSR MGMRY CATLN SJI LINKK (RNAV)-STAR.....	
ILG,MQS,PHL,PNE,TTN .....	HURIC (RNAV)-DP FEBEL GUILD SAWED Q97 ZJAA Y JIIMS (RNAV)-STAR.....	1600-0300
INDIANAPOLIS(IND).....	LWOOD (RNAV)-DP DANCO ZIEBR HAGAL GIIBS (RNAV)-STAR.....	1100-0300
ISM,MCO.....	(MCO LANDING NORTH)ROZBO (RNAV)-DP ROZBO SLITT SMPRR Q85 LPERD SNFLD (RNAV)-STAR .	
JACKSONVILLE(JAX).....	HOOKZ (RNAV)-DP DAWTS MRPIT Q409 SESUE ESENT LUNNI (RNAV)-STAR.....	1100-0300
MCF,PIE,TPA,VDF.....	HOOKZ (RNAV)-DP DAWTS MRPIT Q409 PUPYY BAAMF DADES (RNAV)-STAR.....	1100-0300
MIAMI(MIA).....	(JETS ONLY. EXCLUDES EA50. E50P. SF50. C510.,C525)(WATER)ROZBO (RNAV)-DP ROZBO GARIC SPOOF Y313 HOAGB BNFSSH (RNAV)-STAR	
MONTREAL(CYUL).....	OXFRD (RNAV)-DP CARML STPBY AML J227 ULW SYR ART IMPAC (CANADIAN)-STAR..... or BEXGO (RNAV)-DP BOUSY GEARS BBOBO Q22 LLUND CAM JASDU PBERG CARTR (CANADIAN) (RNAV)-STAR.....	1100-0300
MQS,PHL,PNE,TTN.....	OXFRD (RNAV)-DP CARML BBDOL PAATS (RNAV)-STAR or OXFRD (RNAV)-DP CARML BBDOL PAATS (RNAV)-STAR	1100-0300 1100-1559
NEW YORK(ISP).....	HURIC (RNAV)-DP FEBEL GUILD SAWED Q97 DLAAY RADDS Q439 SARDI CCC.....	1100-0300
NEW YORK(JFK).....	HURIC (RNAV)-DP FEBEL GUILD SAWED Q97 DLAAY RADDS SIE CAMRN-STAR.....	1100-0300
NEW YORK(LGA).....	BEXGO (RNAV)-DP BOUSY GEARS Q87 HURTS PROUD (RNAV)-STAR.....	1100-0300
NEWARK(EWR).....	OXFRD (RNAV)-DP CARML QUART PHLBO (RNAV)-STAR	1100-0300
ORLANDO(MCO).....	(MCO LANDING SOUTH)ROZBO (RNAV)-DP ROZBO SLITT SMPRR Q85 LPERD GTOUT (RNAV)-STAR.	
PITTSBURGH(PIT).....	LWOOD (RNAV)-DP DBRAH RICCS LEJOY DEMME (RNAV)-STAR.....	1100-0300
PORTLAND(PWM).....	BEXGO (RNAV)-DP BOUSY GEARS BBOBO Q22 LLUND BDR SCOGS (RNAV)-STAR.....	1100-0300
PORTSMOUTH(PSM).....	BEXGO (RNAV)-DP BOUSY BBOBO Q22 FOXWD KLANE TTERI REMDG.....	
PROVIDENCE(PVD).....	HURIC (RNAV)-DP FEBEL GUILD SAWED Q97 ZJAA Y Q167 ORCHA JORDN JORDN (RNAV)-STAR.....	1100-0300
SAVANNAH(SAV).....	ROZBO (RNAV)-DP DAWTS MRPIT Q409 SESUE SOOOP	1100-0300
SYRACUSE(SYR).....	OXFRD (RNAV)-DP CARML BBDOL STPBY AML J227 STENT CFB V29 SYR.....	1100-0300
TORONTO(CYYZ).....	OXFRD (RNAV)-DP CARML BBDOL PYTON WOZEE LJNG (CANADIAN) (RNAV)-STAR.....	1100-0300
WASHINGTON(DCA).....	BEXGO (RNAV)-DP BOUSY WAVES CAPSS (RNAV)-STAR	1100-0300
WASHINGTON(IAD).....	OXFRD (RNAV)-DP CARML DORRN CAVLR (RNAV)-STAR	1100-0300
WEST PALM BEACH(PBI).....	(JETS ONLY)(WATER)ROZBO (RNAV)-DP ROZBO GARIC OSTNN Y289 DULEE CLMNT (RNAV)-STAR.....	

# PREFERRED IFR ROUTES

561

**Terminals**

**Effective  
Times (UTC)**

**SAN JUAN(TJSJ)**

47N,CDW,LDJ,MMU,SMQ,TEB.....

**Route**

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
GARIC ZORDO Q111 SWNGR JAIKE (RNAV)-STAR  
or

(DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG  
GEARS SWNGR JAIKE (RNAV)-STAR.....  
or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI GARIC ZORDO Q111 SWNGR JAIKE  
(RNAV)-STAR .....

ATLANTA(ATL) .....

(ATL WEST OPERATION)SAPPO Y280 OCTAL Q77 SHRKS  
LAIRI LARZZ JJEDI (RNAV)-STAR.....  
or

(ATL EAST OPERATION)SAPPO Y280 OCTAL Q77 SHRKS  
LAIRI LARZZ SITH (RNAV)-STAR .....

ATLANTIC CITY(ACY) .....

(DEEP OCEAN)DONQU LETON L451 JAINS Y327 SKARP  
Q101 KALDA ZJAAY RADDS SIE.....  
or

(DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG  
KALDA ZJAAY RADDS SIE.....  
or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
CARPX Y323 RROOO PRTHR Y327 SKARP Q101  
KALDA ZJAAY RADDS SIE.....

BAF,BDL,CEF .....

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER  
PARK-STAR .....

or  
(DEEP OCEAN)DONQU LAMER L453 SAUCR Y485  
YAALE Y484 JFK DPK DEER PARK-STAR .....

or  
(DEEP OCEAN)DONQU LUCTI L454 OKONU Y484 JFK  
DPK DEER PARK-STAR.....  
or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI WAALT Q131 EARZZ JAMIE CONFR Q481 DPK  
DEER PARK-STAR .....

or  
(DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG  
JAMIE CONFR Q481 DPK DEER PARK-STAR .....

BALTIMORE(BWI).....

DONQU LNHOM L452 OXANA AR8 ECG THHMP RAVNN  
(RNAV)-STAR.....

BED,BVY,LWM .....

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM  
(RNAV)-STAR .....

or  
(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW  
DREEM (RNAV)-STAR .....

or  
(DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG  
KALDA Q97 HEADI ORW DREEM (RNAV)-STAR...

BEDFORD(BED) .....

DONQU LAMER L453 SAUCR Y485 YAALE Y484 OWENZ  
HTO ORW DREEM (RNAV)-STAR .....

or  
DONQU LUCTI L454 OKONU Y484 OWENZ HTO ORW  
DREEM (RNAV)-STAR .....

BWI,DMW,MTN .....

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
GARIC ZORDO Q111 RUKRR THHMP RAVNN  
(RNAV)-STAR .....

or  
(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI GARIC ZORDO Q111 RUKRR THHMP RAVNN  
(RNAV)-STAR .....

CHARLOTTE(CLT).....

DONQU LETON L451 JAINS Y436 PITRW STOCR  
(RNAV)-STAR .....

or  
DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI DIZNY  
Y436 PITRW STOCR (RNAV)-STAR .....

Terminals	Route
CLEVELAND(CLE).....	DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY SCAMS HVQ JANYS ROLLN (RNAV)-STAR..... or DONQU LETON L451 JAINS Y436 DEDDY SCAMS HVQ JANYS ROLLN (RNAV)-STAR..... or DONQU LNHOM L452 OXANA AR8 ECG HVQ JANYS ROLLN (RNAV)-STAR .....
COVINGTON(CVG).....	DONQU LETON L451 JAINS Y436 DEDDY QUIWE BENBY CUBIM JAKIE (RNAV)-STAR..... or DONQU LNHOM L452 OXANA AR8 ECG VXV JAKIE (RNAV)-STAR..... or DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY QUIWE BENBY CUBIM JAKIE (RNAV)-STAR.....
DAYTON(DAY) .....	DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY QUIWE Q93 OCASE FLM KEKEE-STAR or DONQU LETON L451 JAINS Y436 DEDDY QUIWE Q93 OCASE FLM KEKEE-STAR..... or DONQU LNHOM L452 OXANA AR8 ECG VXV J43 FLM KEKEE-STAR .....
DETROIT(DTW).....	(DTW NORTH FLOW)DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY SCAMS BKW JAMOX KLYNK (RNAV)-STAR .....
	or (DTW SOUTH FLOW)DONQU LNHOM L452 OXANA AR8 ECG HNN SUBWY HTROD (RNAV)-STAR .....
	or (DTW NORTH FLOW)DONQU LETON L451 JAINS Y436 DEDDY SCAMS BKW JAMOX KLYNK (RNAV)-STAR or (DTW NORTH FLOW)DONQU LNHOM L452 OXANA AR8 ECG HNN SUBWY CRAKN (RNAV)-STAR.....
	or (DTW SOUTH FLOW)DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY SCAMS BKW JAMOX BONZZ (RNAV)-STAR .....
	or (DTW SOUTH FLOW)DONQU LETON L451 JAINS Y436 DEDDY SCAMS BKW JAMOX BONZZ (RNAV)-STAR
ILG,MQS,PHL,PNE,TTN .....	(DEEP OCEAN)DONQU Y185 RENA H Y355 NUCAR Y307 CARPX Y323 RROOO PRTHR Y327 SKARP Q101 KALDA ZJAAY JIIMS (RNAV)-STAR .....
	or (DEEP OCEAN)DONQU LETON L451 JAINS Y327 SKARP Q101 KALDA ZJAAY JIIMS (RNAV)-STAR .....
INDIANAPOLIS(IND).....	DONQU LNHOM L452 OXANA AR8 ECG PSK ZIEBR HAGAL GIIBS (RNAV)-STAR .....
	or DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY QUIWE BENBY CUBIM HAGAL GIIBS (RNAV)-STAR.....
	or DONQU LETON L451 JAINS Y436 DEDDY QUIWE BENBY CUBIM HAGAL GIIBS (RNAV)-STAR.....
	or (DEEP OCEAN)DONQU Y185 RENA H Y355 NUCAR Y307 JAZZI DIZNY Y436 DEDDY QUIWE Q93 BENBY CUBIM HAGAL GIIBS (RNAV)-STAR .....

# PREFERRED IFR ROUTES

563

Effective  
Times (UTC)

**Terminals**

LOUISVILLE(SDF) .....

**Route**

DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI DIZNY  
Y436 DEDDY QUIWE BENBY CUBIM LAFOX MAUDD  
(RNAV)-STAR .....

or

DONQU LNHOM L452 OXANA AR8 ECG HMV LAFOX  
MAUDD (RNAV)-STAR .....

or

DONQU LETON L451 JAINS Y436 DEDDY QUIWE  
BENBY CUBIM LAFOX MAUDD (RNAV)-STAR .....

MONTREAL(CYUL) .....

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND CAM  
JASDU PBERG CARTR (CANADIAN) (RNAV)-STAR  
.....

or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI WAALT Q131 EARZZ JAMIE CONFR Q133  
LLUND CAM JASDU PBERG CARTR (CANADIAN)  
(RNAV)-STAR .....

NEW YORK(JFK).....

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE  
CAMRN-STAR .....

or

DONQU LAMER L453 SAUCR Y485 YAALE Y495 CAMRN

or

DONQU LUCTI L454 OKONU YAALE Y495 CAMRN..

or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD  
SIE CAMRN-STAR.....

NEWARK(EWR).....

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR  
.....

or

DONQU LUCTI L454 OKONU YAALE Y497 SUBBS CYN  
GXU RBV V249 METRO.....

or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI GARIC Q129 AARNN QUART PHLBO  
(RNAV)-STAR .....

or

DONQU LAMER L453 SAUCR Y485 YAALE Y497 SUBBS  
CYN GXU RBV V249 METRO .....

OTTAWA(CYOW) .....

DONQU LUCTI L454 OKONU Y484 JFK SYR ART DEANS  
(CANADIAN) (RNAV)-STAR.....

or

(DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307  
JAZZI GARIC Q129 THEOO AML J227 ULW SYR ART  
DEANS (CANADIAN) (RNAV)-STAR .....

or

DONQU LAMER L453 SAUCR Y485 YAALE Y484 JFK  
SYR ART DEANS (CANADIAN) (RNAV)-STAR.....

or

(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR  
GARIC Q129 THEOO AML J227 ULW SYR ART DEANS  
(CANADIAN) (RNAV)-STAR.....

or

DONQU LNHOM L452 OXANA AR8 ECG SYR ART DEANS  
(CANADIAN) (RNAV)-STAR.....

Terminals	Route
PROVIDENCE(PVD) .....	(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR SAGGY CHIEZ Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN (RNAV)-STAR..... or (DEEP OCEAN)DONQU LAMER L453 SAUCR Y485 YAALE Y495 OWENZ ORCHA JORDN JORDN (RNAV)-STAR..... or (DEEP OCEAN)DONQU LUCTI L454 OKONU Y484 OWENZ ORCHA JORDN JORDN (RNAV)-STAR..... or (DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI SAGGY CHIEZ Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN (RNAV)-STAR..... or (DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG KALDA ZJAAY Q167 ORCHA JORDN JORDN (RNAV)-STAR.....
RALEIGH/DURHAM(RDU) .....	DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI GARIC BLOGS (RNAV)-STAR .....
TETERBORO(TEB) .....	or DONQU LETON L451 JAINS CLOWR GARIC BLOGS (RNAV)-STAR.....
TORONTO(CYYZ) .....	DONQU LAMER L453 SAUCR Y485 YAALE Y497 SUBBS CYN GXU RBV V249 METRO .....
WASHINGTON(DCA) .....	DONQU LETON L451 JAINS CLOWR GARIC Q129 PYTON WOZEE LINNG (CANADIAN) (RNAV)-STAR..... or DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI GARIC Q129 PYTON WOZEE LINNG (CANADIAN) (RNAV)-STAR.....
WASHINGTON(IAD) .....	(DEEP OCEAN)DONQU LETON L451 JAINS CLOWR GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR or (DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG WAVES CAPSS (RNAV)-STAR .....
WHITE PLAINS(HPN) .....	or (DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR..... DONQU LNHOM L452 OXANA AR8 ECG TRSSK CAVLR (RNAV)-STAR..... or DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI GARIC Q129 YERBA MAYKR TRSSK CAVLR (RNAV)-STAR or (DEEP OCEAN)DONQU LETON L451 JAINS CLOWR GARIC Q129 YERBA MAYKR TRSSK CAVLR (RNAV)-STAR.....
	DONQU LAMER L453 SAUCR Y485 YAALE Y495 OWENZ FATON HOFFI KEYED BDR ALIXX RYMES..... or (DEEP OCEAN)DONQU LETON L451 JAINS CLOWR SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE BOUNO-STAR .....
	or (DEEP OCEAN)DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE BOUNO-STAR .....
	or (DEEP OCEAN)DONQU LNHOM L452 OXANA AR8 ECG KALDA Q97 DLAAY RADD SIE BOUNO-STAR.....

# PREFERRED IFR ROUTES

565

Effective  
Times (UTC)

## Terminals

WINNIPEG(CYWG).....

## Route

DONQU LNHOM L452 OXANA AR8 ECG IIU J89 DLH  
NORAK NORAK (CANADIAN)-STAR.....

or

DONQU Y185 RENAH Y355 NUCAR Y307 JAZZI DIZNY  
Y436 DEDDY QUIWE VXV J99 IIU J89 DLH NORAK  
NORAK (CANADIAN)-STAR.....

or

DONQU LETON L451 JAINS Y436 DEDDY QUIWE VXV  
J99 IIU J89 DLH NORAK NORAK (CANADIAN)-STAR

## SANTO DOMINGO(DOMINICAN REP AIRPORTS)

47N,CDW,LDJ,MMU,SMQ,TEB.....

(DEEP OCEAN)MALVN Y396 RUMFO Y374 NUCAR Y307  
JAZZI GARIC ZORDO Q111 SWNGR JAIKE  
(RNAV)-STAR.....

or

(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG  
GEARS SWNGR JAIKE (RNAV)-STAR.....

or

(DEEP OCEAN)LERED LETON L451 JAINS CLOWR GARIC  
ZORDO Q111 SWNGR JAIKE (RNAV)-STAR.....

ILG,MQS,PHL,PNE,TTN.....

(DEEP OCEAN)MALVN Y396 RUMFO Y374 NUCAR Y307  
CARPX Y323 RROOO PRTHR Y327 SKARP Q101  
KALDA ZJAAY JIIMS (RNAV)-STAR.....

or

(DEEP OCEAN)LERED LETON L451 JAINS Y327 SKARP  
Q101 KALDA ZJAAY JIIMS (RNAV)-STAR.....

or

(DEEP OCEAN)LERED LAMER L453 SAUCR Y485 SILLY  
LYNUS B24 DASHA JIIMS (RNAV)-STAR.....

or

(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG  
KALDA ZJAAY JIIMS (RNAV)-STAR.....

## SANTO DOMINGO(DOMINICAN REPUBLIC AIRPORTS)

MONTREAL(CYUL).....

LERED LAMER L453 SAUCR Y485 YAAL Y484 JFK  
LLUND CAM JASDU PBERG CARTR (CANADIAN)  
(RNAV)-STAR.....

or

LERED LETON L451 JAINS CLOWR WAALT Q131 EARZZ  
JAMIE CONFR Q133 LLUND CAM JASDU PBERG  
CARTR (CANADIAN) (RNAV)-STAR.....

NEW YORK(JFK).....

(DEEP OCEAN)LERED LETON L451 JAINS CLOWR  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD SIE  
CAMRN-STAR.....

or

(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG  
KALDA Q97 DLAAY RADD SIE CAMRN-STAR.....

or

(DEEP OCEAN)MALVN Y396 RUMFO Y374 NUCAR Y307  
JAZZI SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD  
SIE CAMRN-STAR.....

OTTAWA(CYOW).....

LERED LETON L451 JAINS CLOWR GARIC Q129 THEOO  
AML J227 ULW SYR ART DEANS (CANADIAN)  
(RNAV)-STAR.....

PROVIDENCE(PVD).....

(DEEP OCEAN)LERED LAMER L453 SAUCR Y485 YAAL  
Y495 OWENZ ORCHA JORDN JORDN (RNAV)-STAR

or

(DEEP OCEAN)LERED LUCTI L454 OKONU Y484 OWENZ  
ORCHA JORDN JORDN (RNAV)-STAR.....

## SANTO DOMINGO(DOMINICAN REPUBLIC TERMINALS)

ATLANTIC CITY(ACY).....

LERED LETON L451 JAINS Y327 SKARP Q101 KALDA  
ZJAAY RADD SIE.....

or

MALVN Y396 RUMFO Y374 NUCAR Y307 CARPX Y323  
RROOO PRTHR Y327 SKARP Q101 KALDA ZJAAY  
RADD SIE.....

or

LERED LNHOM L452 OXANA AR8 ECG KALDA ZJAAY  
RADD SIE.....

BALTIMORE(BWI).....

LERED LNHOM L452 OXANA AR8 ECG THHMP RAVNN  
(RNAV)-STAR.....

## PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
BANGOR(BGR) .....	LERED LNHOM L452 OXANA AR8 ECG KALDA Q97 CCC FOXWD BOS .....	
	or	
	LERED LAMER L453 SAUCR Y485 YAAL E495 OWENZ ORCHA ORW.....	
	or	
BED,BVY,LWM .....	LERED LUCTI L454 OKONU Y484 OWENZ ORCHA ORW MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM (RNAV)-STAR.....	
BEDFORD(BED) .....	LERED LUCTI L454 OKONU Y484 OWENZ HTO ORW DREEM (RNAV)-STAR.....	
	or	
	LERED LAMER L453 SAUCR Y485 YAAL E495 OWENZ HTO ORW DREEM (RNAV)-STAR.....	
	or	
	(DEEP OCEAN)LERED LETON L451 JAINS CLOWR SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM (RNAV)-STAR.....	
	or	
	(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG KALDA Q97 HEADI ORW DREEM (RNAV)-STAR ..	
BOSTON(BOS) .....	LERED LAMER L453 SAUCR Y485 SILLY JENY BORQE FERNZ OOSHN (RNAV)-STAR .....	1100-0300
	or	
	LERED LETON L451 JAINS CLOWR WAALT Q131 EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR...	
	or	
	LERED LNHOM L452 OXANA AR8 ECG JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR .....	1100-0300
	or	
	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI WAALT Q131 EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR.....	
BWI,DMW,MTN .....	LERED LETON L451 JAINS CLOWR GARIC ZORDO Q111 RUKRR THHMP RAVNN (RNAV)-STAR .....	
	or	
	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC ZORDO Q111 RUKRR THHMP RAVNN (RNAV)-STAR	
CGF,CLE,LNN,LPR .....	LERED LNHOM L452 OXANA AR8 ECG THEOO MOL J24 HVQ JANYS ROLLN (RNAV)-STAR .....	
CHARLOTTE(CLT) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY Y436 PITRW STOOR (RNAV)-STAR.....	
	or	
	LERED LETON L451 JAINS Y436 PITRW STOOR (RNAV)-STAR.....	
CHICAGO(ORD) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY Y436 DEDDY QUIWE Q93 HEVAN BONNT VEECK (RNAV)-STAR.....	
	or	
	LERED LETON L451 JAINS Y436 DEDDY QUIWE Q93 HEVAN BONNT VEECK (RNAV)-STAR .....	
CLEVELAND(CLE) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY Y436 DEDDY SCAMS HVQ JANYS ROLLN (RNAV)-STAR.....	
	or	
	LERED LETON L451 JAINS Y436 DEDDY SCAMS HVQ JANYS ROLLN (RNAV)-STAR .....	
COVINGTON(CVG) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY Y436 DEDDY QUIWE BENBY CUBIM JAKIE (RNAV)-STAR.....	
	or	
	LERED LNHOM L452 OXANA AR8 ECG THEOO MOL J24 HVQ HNN GAVNN (RNAV)-STAR .....	
	or	
	LERED LETON L451 JAINS Y436 DEDDY QUIWE BENBY CUBIM JAKIE (RNAV)-STAR.....	

# PREFERRED IFR ROUTES

567

Effective  
Times (UTC)

**Terminals**

DAYTON(DAY) .....

**Route**

LERED LETON L451 JAINS Y436 DEDDY QUIWE Q93  
OCASE FLM KEKEE-STAR .....

or

MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY  
Y436 DEDDY QUIWE Q93 OCASE FLM KEKEE-STAR

or

LERED LNHOM L452 OXANA AR8 ECG THEOO MOL J24  
HVQ HNN .....

DETROIT(DTW) .....

LERED LNHOM L452 OXANA AR8 ECG THEOO MOL J24  
HVQ JAMOX KLYNK (RNAV)-STAR .....

or

LERED LNHOM L452 OXANA AR8 ECG THEOO MOL J24  
HVQ JAMOX BONZZ (RNAV)-STAR .....

or

(DTW SOUTH FLOW)LERED LETON L451 JAINS Y436  
DEDDY SCAMS BKW JAMOX BONZZ (RNAV)-STAR

or

(DTW SOUTH FLOW)MALVN Y396 RUMFO Y374 NUCAR  
Y307 JAZZI DIZNY Y436 DEDDY SCAMS BKW JAMOX  
BONZZ (RNAV)-STAR .....

or

(DTW NORTH FLOW)LERED LETON L451 JAINS Y436  
DEDDY SCAMS BKW JAMOX KLYNK (RNAV)-STAR

or

(DTW NORTH FLOW)MALVN Y396 RUMFO Y374 NUCAR  
Y307 JAZZI DIZNY Y436 DEDDY SCAMS BKW JAMOX  
KLYNK (RNAV)-STAR .....

INDIANAPOLIS(IND) .....

(DEEP OCEAN)LERED LETON L451 JAINS Y436 DEDDY  
QUIWE Q93 BENBY CUBIM HAGAL GIIBS  
(RNAV)-STAR .....

or

MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY  
Y436 DEDDY QUIWE BENBY CUBIM HAGAL GIIBS  
(RNAV)-STAR .....

or

LERED LNHOM L452 OXANA AR8 ECG PSK ZIEBR  
HAGAL GIIBS (RNAV)-STAR .....

LOUISVILLE(SDF) .....

LERED LNHOM L452 OXANA AR8 ECG HMV LAFOX  
MAUDD (RNAV)-STAR .....

or

MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY  
Y436 DEDDY QUIWE BENBY CUBIM LAFOX MAUDD  
(RNAV)-STAR .....

or

LERED LETON L451 JAINS Y436 DEDDY QUIWE BENBY  
CUBIM LAFOX MAUDD (RNAV)-STAR .....

MONTREAL(CYMX) .....

LERED LAMER L453 SAUCR Y485 YAALE Y484 JFK  
LLUND CAM JASDU PBERG LATTS .....

MONTREAL(CYUL) .....

MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI WAALT  
Q131 EARZZ JAMIE CONFR Q133 LLUND CAM JASDU  
PBERG CARTR (CANADIAN) (RNAV)-STAR .....

MORRISTOWN(MMU) .....

LERED LUCTI L454 OKONU YAALE Y497 SUBBS CYN  
GXU RBV V249 METRO .....

or

LERED LAMER L453 SAUCR Y485 YAALE Y497 SUBBS  
CYN GXU RBV V249 METRO .....

NEW YORK(JFK) .....

LERED LAMER L453 SAUCR Y485 YAALE Y495 CAMRN

or

LERED LUCTI L454 OKONU YAALE Y495 CAMRN ...



Terminals	Route
NEWARK(EWR) .....	LERED LUCTI L454 OKONU YAALE Y497 SUBBS CYN GXU RBV V249 METRO .....
	or
	LERED LAMER L453 SAUCR Y485 YAALE Y497 SUBBS CYN GXU RBV V249 METRO .....
	or
	LERED LETON L451 JAINS CLOWR GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR.....
	or
	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC Q129 AARNN QUART PHLBO (RNAV)-STAR .....
	or
	LERED LNHOM L452 OXANA AR8 ECG QUART PHLBO (RNAV)-STAR.....
OTTAWA(CYOW) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC Q129 AARNN FAK AML J227 ULW SYR ART DEANS (CANADIAN) (RNAV)-STAR .....
	or
	LERED LNHOM L452 OXANA AR8 ECG SYR ART DEANS (CANADIAN) (RNAV)-STAR .....
	or
	LERED LAMER L453 SAUCR Y485 YAALE Y484 JFK SYR ART DEANS (CANADIAN) (RNAV)-STAR .....
	or
	LERED LUCTI L454 OKONU Y484 JFK SYR ART DEANS (CANADIAN) (RNAV)-STAR .....
PROVIDENCE(PVD) .....	(DEEP OCEAN)LERED LETON L451 JAINS CLOWR SAGGY CHIEZ Q133 KALDA ZJAA Y Q167 ORCHA JORDN JORDN (RNAV)-STAR.....
	or
	(DEEP OCEAN)MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI SAGGY CHIEZ Q133 KALDA ZJAA Y Q167 ORCHA JORDN JORDN (RNAV)-STAR.....
	or
	(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG KALDA ZJAA Y Q167 ORCHA JORDN JORDN (RNAV)-STAR.....
RALEIGH/DURHAM(RDU) .....	LERED LETON L451 JAINS CLOWR GARIC BLOGS (RNAV)-STAR.....
	or
	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC BLOGS (RNAV)-STAR .....
TETERBORO(TEB) .....	LERED LUCTI L454 OKONU YAALE Y497 SUBBS CYN GXU RBV V249 METRO .....
TORONTO(CYYZ) .....	LERED LAMER L453 SAUCR Y485 YAALE Y484 JFK CFB WOZEE LINNG (CANADIAN) (RNAV)-STAR.....
	or
	LERED LETON L451 JAINS CLOWR GARIC Q129 PYTON WOZEE LINNG (CANADIAN) (RNAV)-STAR.....
	or
	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC Q129 PYTON WOZEE LINNG (CANADIAN) (RNAV)-STAR.....
WASHINGTON(DCA) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR .....
	or
	LERED LNHOM L452 OXANA AR8 ECG WAVES CAPSS (RNAV)-STAR.....
	or
	LERED LETON L451 JAINS CLOWR GARIC RANAY TANJA WAVES CAPSS (RNAV)-STAR .....
WASHINGTON(IAD) .....	MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC Q129 YERBA MAYKR TRSSK CAVLR (RNAV)-STAR .....
	or
	LERED LETON L451 JAINS CLOWR GARIC Q129 YERBA MAYKR TRSSK CAVLR (RNAV)-STAR .....
	or
	(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG GEARS TRSSK CAVLR (RNAV)-STAR.....

# PREFERRED IFR ROUTES

569

Effective  
Times (UTC)

## Terminals

WHITE PLAINS(HPN).....

## Route

(DEEP OCEAN)MALVN Y396 RUMFO Y374 NUCAR Y307  
JAZZI SAGGY CHIEZ Q133 KALDA Q97 DLAA Y RADD SIE  
BOUNO-STAR.....

or

(DEEP OCEAN)LERED LETON L451 JAINS CLOWR  
SAGGY CHIEZ Q133 KALDA Q97 DLAA Y RADD SIE  
BOUNO-STAR.....

or

LERED LAMER L453 SAUCR Y485 YAALE Y495 OWENZ  
FATON HOFFI KEYED BDR ALIXX RYMES.....

or

(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG  
KALDA Q97 DLAA Y RADD SIE BOUNO-STAR.....

WINDSOR LOCKS(BDL).....

(DEEP OCEAN)MALVN Y396 RUMFO Y374 NUCAR Y307  
JAZZI WAALT Q131 EARZZ JAMIE CONFR Q481 DPK  
DEER PARK-STAR.....

or

(DEEP OCEAN)LERED LNHOM L452 OXANA AR8 ECG  
JAMIE CONFR Q481 DPK DEER PARK-STAR.....

or

(DEEP OCEAN)LERED LETON L451 JAINS CLOWR  
WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER  
PARK-STAR.....

WINNIPEG(CYWG).....

LERED LNHOM L452 OXANA AR8 ECG IJU J89 DLH  
NORAK NORAK (CANADIAN)-STAR.....

or

MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI DIZNY  
Y436 DEDDY QUIWE VXV J99 IJU J89 DLH NORAK  
NORAK (CANADIAN)-STAR.....

or

LERED LETON L451 JAINS Y436 DEDDY QUIWE VXV  
J99 IJU J89 DLH NORAK NORAK (CANADIAN)-STAR

## SANTO DOMINGO(MDSD)

NEW YORK(LGA).....

LERED LETON L451 JAINS CLOWR GARIC Q107 HURTS  
PROUD (RNAV)-STAR.....

or

MALVN Y396 RUMFO Y374 NUCAR Y307 JAZZI GARIC  
Q107 HURTS PROUD (RNAV)-STAR.....

or

LERED LNHOM L452 OXANA AR8 ECG HURTS PROUD  
(RNAV)-STAR.....

## SARASOTA/BRADENTON(SRQ)

CHARLOTTE(CLT).....

SRKUS (RNAV)-DP CAMJO TWINS PONZE BANKR  
(RNAV)-STAR.....

CHICAGO(MDW).....

SRKUS (RNAV)-DP MOMIE BRUTS Q118 THRSR Q79  
IJU DROSE FISSK (RNAV)-STAR.....

CHICAGO(ORD).....

SRKUS (RNAV)-DP MOMIE BRUTS Q118 HEVAN BONNT  
VEECK (RNAV)-STAR.....

CLEVELAND(CLE).....

SRKUS (RNAV)-DP CAMJO SPA J85 HVQ JANYS ROLLN  
(RNAV)-STAR.....

DENVER(DEN).....

REMIS Y280 REDFN Q105 HRV J58 SPS LBL HALEN  
NIIXX (RNAV)-STAR.....

DETROIT(DTW).....

(DTW SOUTH FLOW)SRKUS (RNAV)-DP MOMIE BRUTS  
Q118 THRSR SMTTH Q67 HNN SUBWY HTROD  
(RNAV)-STAR.....

or

(DTW NORTH FLOW)SRKUS (RNAV)-DP MOMIE BRUTS  
Q118 THRSR SMTTH Q67 HNN SUBWY CRAKN  
(RNAV)-STAR.....

FORT LAUDERDALE(FLL).....

(AT OR BELOW 100; PROPS ONLY)RSW V599 NEWER  
or

SABEE TEEKY (RNAV)-STAR.....

Terminals	Route	Effective Times (UTC)
HOUSTON(HOU).....	(TURBOJETS)(HOU WEST FLOW)SRKUS (RNAV)-DP SIMMR CHRGE Y280 LEV PUCKS (RNAV)-STAR.. or (TURBOJETS)(HOU EAST FLOW)SRKUS (RNAV)-DP MOMIE PATOY Q116 JAWJA CABLO DEFUN J2 SJI BAYYY (RNAV)-STAR..... or (TURBOJETS)(HOU WEST FLOW)SRKUS (RNAV)-DP MOMIE PATOY Q116 CABLO DEFUN J2 SJI PUCKS (RNAV)-STAR..... or (TURBOJETS)(HOU EAST FLOW)SRKUS (RNAV)-DP SIMMR CHRGE Y280 LEV BAYYY (RNAV)-STAR ..	
HOUSTON(IAH).....	(TURBOJETS)(IAH EAST FLOW)SRKUS (RNAV)-DP MOMIE PATOY Q116 JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)-STAR..... or (TURBOJETS)(IAH WEST FLOW)SRKUS (RNAV)-DP MOMIE PATOY Q116 JAWJA CABLO DEFUN J2 SJI LINKK (RNAV)-STAR..... or (TURBOJETS)(IAH EAST FLOW)SRKUS (RNAV)-DP SIMMR CHRGE Y280 LEV NNCEE (RNAV)-STAR . or (TURBOJETS)(IAH WEST FLOW)SRKUS (RNAV)-DP SIMMR CHRGE Y280 LEV LINKK (RNAV)-STAR...	
MINNEAPOLIS(MSP) .....	SRKUS (RNAV)-DP MOMIE BRUTS Q118 THRSR Q79 IU J89 OBK KAMMA KKILR (RNAV)-STAR.....	
NEW YORK(LGA).....	SRKUS (RNAV)-DP CAMJO Q99 POLYD DADDS Q87 HURTS PROUD (RNAV)-STAR.....	
PITTSBURGH(PIT).....	SRKUS (RNAV)-DP CAMJO Q99 BLAAN Q69 RICCS LEJOY DEMME (RNAV)-STAR.....	
TORONTO(CYYZ).....	(TURBOJETS)SRKUS (RNAV)-DP CAMJO Q99 BLAAN Q69 RICCS OXMAN LINNG (CANADIAN) (RNAV)-STAR	1000-0300
<b>SAVANNAH(SAV)</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	JROSS Q87 GEARS SWNGR JAIKE (RNAV)-STAR ....	
ATLANTA(ATL).....	SMALZ TYFTR JJEDI (RNAV)-STAR..... or SMALZ TYFTR SITTH (RNAV)-STAR.....	
BOSTON(BOS) .....	JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)-STAR.....	1000-0300
BWI,DMW,MTN .....	(TURBOJETS)JROSS Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)-STAR.....	
CHARLOTTE(CLT) .....	JROSS FLLGG STOCR (RNAV)-STAR.....	
CHICAGO(ORD).....	SAV SMALZ MILEN QUIWE Q93 HEVAN BONNT VEECK (RNAV)-STAR.....	
ILG,MQS,PHL,PNE,TTN .....	JROSS RAPZZ Q135 CUDLE Q117 SAWED Q97 ZJAAY JIIMS (RNAV)-STAR.....	1100-0400
NEW YORK(JFK) .....	JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS SIE CAMRN-STAR.....	
NEW YORK(LGA).....	JROSS Q87 HURTS PROUD (RNAV)-STAR.....	
NEWARK(EWR) .....	JROSS Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)-STAR.....	
RALEIGH/DURHAM(RDU) .....	SMALZ MILEN JURDI DMSTR (RNAV)-STAR.....	
WASHINGTON(DCA).....	JROSS Q87 RAYVO Q113 AARNN WAVES CAPSS (RNAV)-STAR.....	
WASHINGTON(IAD).....	(TURBOJETS)JROSS Q87 ALWZZ OGRAE BZNGA DORRN CAVLR (RNAV)-STAR.....	
<b>SRQ,VNC</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	SRKUS (RNAV)-DP CAMJO Q99 POLYD DADDS Q87 GEARS SWNGR JAIKE (RNAV)-STAR.....	
BOSTON(BOS) .....	SRKUS (RNAV)-DP CAMJO Q99 POLYD DADDS Q87 GEARS BBOBO Q22 RBV Q419 JFK ROBUC (RNAV)-STAR.....	1000-0300
BWI,DMW,MTN .....	SRKUS (RNAV)-DP CAMJO Q99 OGRAE GOO0B THHMP RAVNN (RNAV)-STAR.....	
FARMINGDALE(FRG) .....	SRKUS (RNAV)-DP CAMJO Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI CCC DPK.....	1000-0300
MQS,PHL,PNE,TTN .....	SRKUS (RNAV)-DP CAMJO Q99 PEETT BBDOL PAATS (RNAV)-STAR.....	

# PREFERRED IFR ROUTES

571

Terminals	Route	Effective Times (UTC)
NEW YORK(JFK).....	(TURBOJETS)SRKUS (RNAV)–DP CAMJO Q109 DFENC SAWED Q97 DLAAY RADD SIE CAMRN–STAR .....	1000–0300
NEWARK(EWR).....	SRKUS (RNAV)–DP CAMJO Q99 QUART PHLBO (RNAV)–STAR .....	
PROVIDENCE(PVD).....	SRKUS (RNAV)–DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 RBV Q430 CREEL ORCHA JORDN JORDN (RNAV)–STAR .....	
WASHINGTON(DCA).....	SRKUS (RNAV)–DP CAMJO Q99 OGRAE FUUFF WAVES CAPSS (RNAV)–STAR .....	1100–0300
WASHINGTON(IAD).....	SRKUS (RNAV)–DP CAMJO Q99 OGRAE BZNGA DORRN CAVLR (RNAV)–STAR .....	
<b>ST PETERSBURG–CLEARWATER(PIE)</b>		
PORTSMOUTH(PSM).....	BAYPO (RNAV)–DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 FOXWD KLANE TTERI REMDG .....	
<b>STUART(SUA)</b>		
FARMINGDALE(FRG).....	SNDLR (RNAV)–DP SHEDS MATLK Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD S439 SARDI CCC DPK .....	1000–0300
	or (WATER)SNDLR (RNAV)–DP SHEDS WIXED LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD S439 SARDI CCC DPK .....	
<b>TAMPA(TPA)</b>		
ATLANTA(ATL).....	(ATL EAST OPERATION)ENDED (RNAV)–DP LACEN AMORY Q110 DAWWN BEORN GNDLF (RNAV)–STAR .....	
	or (ATL WEST OPERATION)ENDED (RNAV)–DP LACEN AMORY Q110 DAWWN BEORN HOBTT (RNAV)–STAR .....	
AUSTIN(AUS).....	DORMR (RNAV)–DP FROOT ROZZI Y280 LEV LCH WEEED WLEEE (RNAV)–STAR .....	
BIRMINGHAM(BHM).....	ENDED (RNAV)–DP LACEN PATOY Q116 DEEDA WANDS (DEEP OCEAN)CROWD (RNAV)–DP CROWD MZULO HESTA ETECK PELCN ROWSY Y494 YAALE Y495 OWENZ SHERL HTO ROBUC ROBUC (RNAV)–STAR .....	
BOSTON(BOS).....	BAYPO (RNAV)–DP CAMJO TWINS PONZE BANKR (RNAV)–STAR .....	
CHARLOTTE(CLT).....	ENDED (RNAV)–DP LACEN BRUTS Q118 THRSR Q79 IIU DROSE FISSK (RNAV)–STAR .....	
CHICAGO(MDW).....	ENDED (RNAV)–DP LACEN BRUTS Q118 HEVAN BONNT VEECK (RNAV)–STAR .....	
CHICAGO(ORD).....	BAYPO (RNAV)–DP CAMJO SPA J85 HVQ JANYS ROLLN (RNAV)–STAR .....	
CLEVELAND(CLE).....	ENDED (RNAV)–DP LACEN BRUTS Q118 THRSR VXV JAKIE (RNAV)–STAR .....	
COVINGTON(CVG).....	(DAL SOUTH)DORMR (RNAV)–DP FROOT ROZZI Y280 REDFN Q105 HRV J58 AEX PNUIS REDDN (RNAV)–STAR .....	
DALLAS(DAL).....	or (DAL NORTH)DORMR (RNAV)–DP FROOT ROZZI Y280 REDFN Q105 HRV J58 AEX PNUIS MNND (RNAV)–STAR .....	
DALLAS–FORT WORTH(DFW).....	(DFW NORTH)DORMR (RNAV)–DP FROOT ROZZI Y280 REDFN Q105 HRV J58 AEX PNUIS WHINY (RNAV)–STAR .....	
	or (DFW SOUTH)DORMR (RNAV)–DP FROOT ROZZI Y280 REDFN Q105 HRV J58 AEX PNUIS BEREE (RNAV)–STAR .....	
DETROIT(DTW).....	(DTW NORTH FLOW)ENDED (RNAV)–DP LACEN BRUTS Q118 THRSR SMTTH Q67 HNN SUBWY CRAKN (RNAV)–STAR .....	
	or (DTW SOUTH FLOW)ENDED (RNAV)–DP LACEN BRUTS Q118 THRSR SMTTH Q67 HNN SUBWY HTROD (RNAV)–STAR .....	
FORT LAUDERDALE(FLL).....	GANDY (RNAV)–DP SABEE RSW FORTL–STAR .....	
	or GANDY (RNAV)–DP SABEE TEEKY (RNAV)–STAR.....	

## PREFERRED IFR ROUTES

Terminals	Route	Effective Times (UTC)
HOUSTON(HOU).....	(TURBOJETS)(HOU EAST FLOW)ENDED (RNAV)-DP LACEN PATOY Q116 JAWJA CABLO DEFUN J2 SJI BAYYY (RNAV)-STAR..... or (HOU EAST)DORMR (RNAV)-DP FROOT ROZZI Y280 LEV BAYYY (RNAV)-STAR..... or (HOU WEST FLOW)ENDED (RNAV)-DP LACEN PATOY Q116 JAWJA CABLO DEFUN J2 SJI PUCKS (RNAV)-STAR..... or (HOU WEST)DORMR (RNAV)-DP FROOT ROZZI Y280 LEV PUCKS (RNAV)-STAR.....	
HOUSTON(IAH).....	(TURBOJETS)(IAH WEST FLOW)ENDED (RNAV)-DP LACEN PATOY Q116 JAWJA CABLO DEFUN J2 SJI LINKK (RNAV)-STAR..... or (IAH WEST)DORMR (RNAV)-DP FROOT ROZZI Y280 LEV LINKK (RNAV)-STAR..... or (TURBOJETS)(IAH EAST FLOW)ENDED (RNAV)-DP LACEN PATOY Q116 JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)-STAR..... or (IAH EAST)DORMR (RNAV)-DP FROOT ROZZI Y280 LEV NNCEE (RNAV)-STAR.....	
INDIANAPOLIS(IND).....	ENDED (RNAV)-DP LACEN BRUTS Q118 THRSR Q79 SWAPP HAGAL GIIBS (RNAV)-STAR.....	
KEY WEST(EYW).....	GANDY (RNAV)-DP SABEE RSW KARTR GIGIH.....	
MIAMI(MIA).....	GANDY (RNAV)-DP SABEE FROGZ (RNAV)-STAR.... or GANDY (RNAV)-DP SABEE PALMZ PALMZ (RNAV)-STAR ENDED (RNAV)-DP LACEN BRUTS Q118 THRSR Q79 IIU J89 OBK KAMMA KKILR (RNAV)-STAR.....	
MINNEAPOLIS(MSP).....	ENDED (RNAV)-DP LACEN BRUTS Q118 THRSR WESSN JAGIR SWFFT (RNAV)-STAR.....	
NASHVILLE(BNA).....	(DEEP OCEAN)CROWD (RNAV)-DP CROWD MZULO HESTA ETECK PELCN ROWSY Y494 YAALE Y495 CAMRN.....	
NEW YORK(JFK).....	BAYPO (RNAV)-DP CAMJO Q99 POLYY DADDS Q87 HURTS PROUD (RNAV)-STAR.....	
NEW YORK(LGA).....	(DEEP OCEAN)CROWD (RNAV)-DP CROWD MZULO HESTA ETECK PELCN ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV V249 METRO.....	
NEWARK(EWR).....	BAYPO (RNAV)-DP CAMJO Q99 BLAAN Q69 RICCS LEJOY DEMME (RNAV)-STAR.....	
PITTSBURGH(PIT).....	BAYPO (RNAV)-DP CAMJO Q99 TEEEM PETTO DMSTR (RNAV)-STAR.....	
RALEIGH/DURHAM(RDU).....	GANDY (RNAV)-DP SABEE VUUDU (RNAV)-STAR...	
WEST PALM BEACH(PBI).....	BAYPO (RNAV)-DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 LLUND TRUDE V487 CANAN	1000-0300
<b>TPA,PIE</b>		
ALBANY(ALB).....	BAYPO (RNAV)-DP CAMJO Q99 PEETT BBDOLE KRABY BUKYY JAYBO SIE.....	1000-0300
ATLANTIC CITY(ACY).....	BAYPO (RNAV)-DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 RBV Q419 DPK DEER PARK-STAR.....	1000-0300
BAF,BDL,CEF.....	BAYPO (RNAV)-DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 RBV Q419 JFK ROBUC (RNAV)-STAR.....	1000-0300
BOSTON(BOS).....	BAYPO (RNAV)-DP CAMJO Q99 OGRAE GOOOB THHMP RAVNN (RNAV)-STAR.....	1100-0400
BWI,DMW,MTN.....	(TURBOJETS)BAYPO (RNAV)-DP CAMJO Q109 PANDY RAPZZ Q135 CUDLE CVI DRONE DRONE-STAR..	1000-0300
CPK,FAF, LFI,NGU,ORF,PHF,PVG.....	BAYPO (RNAV)-DP CAMJO Q109 DFENC SAWED Q97 DLAAY RADD S439 SARDI CCC DPK.....	1000-0300
FARMINGDALE(FRG).....	BAYPO (RNAV)-DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 LLUND SMYTH ROZZE (RNAV)-STAR.....	1000-0300
MANCHESTER(MHT).....		

# PREFERRED IFR ROUTES

573

Terminals	Route	Effective Times (UTC)
MQS,PHL,PNE,TTN .....	BAYPO (RNAV)–DP CAMJO Q99 PEETT BBDOL PAATS (RNAV)–STAR .....	
NEW YORK(ISP) .....	(TURBOJETS)BAYPO (RNAV)–DP CAMJO Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI CCC .....	1000–0300
NEW YORK(JFK).....	BAYPO (RNAV)–DP CAMJO Q109 DFENC SAWED Q97 DLAAY RADDS SIE CAMRN–STAR .....	
NEWARK(EWR).....	BAYPO (RNAV)–DP CAMJO Q99 QUART PHLBO (RNAV)–STAR .....	1100–0400
PORTLAND(PWM) .....	BAYPO (RNAV)–DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 LLUND BDR SCOGS (RNAV)–STAR	1000–0300
PROVIDENCE(PVD) .....	BAYPO (RNAV)–DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 RBV Q430 CREEL ORCHA JORDN JORDN (RNAV)–STAR .....	
WASHINGTON(DCA).....	BAYPO (RNAV)–DP CAMJO Q99 OGRAE FUUFF WAVES CAPSS (RNAV)–STAR .....	1100–0400
WASHINGTON(IAD) .....	BAYPO (RNAV)–DP CAMJO Q99 OGRAE BZNGA DORRN CAVLR (RNAV)–STAR .....	
WHITE PLAINS(HPN).....	BAYPO (RNAV)–DP CAMJO Q99 POLYY DADDS Q87 GEARS BBOBO Q22 BESSI CYN BOUNO–STAR .....	1000–0300
<b>VALPARAISO/DESTIN–FT WALTON BEACH(VPS)</b>		
CHICAGO(ORD) .....	CEW PIGON VUZ J151 FAM FTZ TRTLL (RNAV)–STAR	
<b>VERO BEACH(VRB)</b>		
FARMINGDALE(FRG) .....	MATLK Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADDS Q439 SARDI CCC DPK .....	1000–0300
<b>WEST PALM BEACH(PBI)</b>		
47N,CDW,LDJ,MMU,SMQ,TEB .....	TBIRD (RNAV)–DP MATLK Q87 GEARS SWNGR JAIKE (RNAV)–STAR .....	
	or	
	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC ZORDO Q111 SWNGR JAIKE (RNAV)–STAR	
ALBANY(ALB) .....	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 LLUND TRUDE V487 CANAN .....	
ATLANTA(ATL) .....	(ATL WEST OPERATION)TBIRD (RNAV)–DP MATLK Q77 SHRKS LAIRI LARZZ JUDI (RNAV)–STAR .....	
	or	
	(ATL EAST OPERATION)TBIRD (RNAV)–DP MATLK Q77 SHRKS LAIRI LARZZ SITTH (RNAV)–STAR .....	
BAF,BDL,CEF .....	TBIRD (RNAV)–DP MATLK Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q481 DPK DEER PARK–STAR	
	or	
	(TURBOJET)(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER PARK–STAR .....	
	or	
	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK DEER PARK–STAR .....	
BED,BVY,LWM .....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW DREEM (RNAV)–STAR .....	
BOSTON(BOS).....	(DEEP OCEAN)SLIDZ (RNAV)–DP LENDS PELCN ROWSY Y494 YAALE Y495 OWENZ SHERL HTO ROBUC ROBUC (RNAV)–STAR .....	
	or	
	TBIRD (RNAV)–DP MATLK Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR	
	or	
	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q133 JFK ROBUC (RNAV)–STAR .....	
BRIDGEPORT(BDR) .....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADDS Q439 SARDI RICED KEYED .....	
BWI,DMW,MTN .....	TBIRD (RNAV)–DP MATLK Q87 RAYVO Q113 AARNN THHMP RAVNN (RNAV)–STAR.....	
	or	
	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC ZORDO Q111 RUKRR THHMP RAVNN (RNAV)–STAR .....	

Terminals	Route
CHARLOTTE(CLT) .....	TBIRD (RNAV)–DP MATLK Q87 VIYAP CHECR STOOR (RNAV)–STAR.....
CHICAGO(MDW) .....	TBIRD (RNAV)–DP COPAY KPASA Q118 THRSR Q79 IJU DROSE FISSK (RNAV)–STAR.....
CHICAGO(ORD).....	TBIRD (RNAV)–DP COPAY KPASA Q118 HEVAN BONNT VEECK (RNAV)–STAR.....
CLEVELAND(CLE).....	TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 GURGE Q93 QUIWE SPA J85 HVQ JANYS ROLLN (RNAV)–STAR.....
COLUMBUS(CMH) .....	TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 GURGE Q93 QUIWE SPA MCGNS SCRLT (RNAV)–STAR .....
COVINGTON(CVG).....	TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 GURGE Q93 QUIWE SPA CUBIM JAKIE (RNAV)–STAR.....
CROSS CITY(CTY).....	TBIRD (RNAV)–DP COPAY KPASA .....
DALLAS–FORT WORTH(DFW) .....	(DFW NORTH FLOW)OLAKE (RNAV)–DP JAYMC Y280 REDFN Q105 HRV J58 AEX PNUTS WHINY (RNAV)–STAR..... or (DFW SOUTH FLOW)OLAKE (RNAV)–DP JAYMC Y280 REDFN Q105 HRV J58 AEX PNUTS BEREE (RNAV)–STAR.....
DAYTONA BEACH(DAB).....	TBIRD (RNAV)–DP CHEFS DIMBY T208 SMYRA.....
DENVER(DEN) .....	(WATER)OLAKE (RNAV)–DP JAYMC Y280 REDFN Q105 HRV J58 SPS LBL HALEN NIIXX (RNAV)–STAR.... or TBIRD (RNAV)–DP COPAY SMELZ Q116 MEMFS RZC PER GCK KIISS CLASH (RNAV)–STAR.....
DETROIT(DTW).....	(DTW NORTH FLOW)TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX KLYNK (RNAV)–STAR..... or (DTW SOUTH FLOW)TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 GURGE Q93 QUIWE HNN JAMOX BONZZ (RNAV)–STAR.....
DXR,HPN .....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 WNSTN T320 RICED RICED–STAR .....
	or (WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 WNSTN T320 RICED KEYED .....
	or (WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI RICED RICED–STAR .....
EAST HAMPTON(JPX).....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI HTO .....
FARMINGDALE(FRG).....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....
	or TBIRD (RNAV)–DP MATLK Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC DPK .....
GAINESVILLE(GNV) .....	TBIRD (RNAV)–DP COPAY KPASA .....
GROTON (NEW LONDON)(GON).....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439 SARDI HTO MONDI.....
HARTFORD(HFD) .....	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK MAD V1 HFD .....

# PREFERRED IFR ROUTES

575

Effective  
Times (UTC)

**Terminals**

HOUSTON(HOU) .....

**Route**

(HOU EAST FLOW)TBIRD (RNAV)–DP COPAY SMELZ  
Q116 JAWJA CABLO DEFUN J2 SJI BAYYY  
(RNAV)–STAR .....

or

(HOU EAST FLOW)OLAKE (RNAV)–DP JAYMC Y280 LEV  
BAYYY (RNAV)–STAR .....

or

(HOU WEST FLOW)TBIRD (RNAV)–DP COPAY SMELZ  
Q116 JAWJA CABLO DEFUN J2 SJI PUCKS  
(RNAV)–STAR .....

or

(HOU WEST FLOW)OLAKE (RNAV)–DP JAYMC Y280 LEV  
PUCKS (RNAV)–STAR .....

HOUSTON(IAH) .....

(IAH WEST FLOW)OLAKE (RNAV)–DP JAYMC Y280 LEV  
LINKK (RNAV)–STAR .....

or

(IAH WEST FLOW)TBIRD (RNAV)–DP COPAY SMELZ  
Q116 JAWJA CABLO DEFUN J2 SJI LINKK  
(RNAV)–STAR .....

or

(IAH EAST FLOW)TBIRD (RNAV)–DP COPAY SMELZ Q116  
JAWJA CABLO DEFUN J2 SJI NNCEE (RNAV)–STAR .....

or

(IAH EAST FLOW)OLAKE (RNAV)–DP JAYMC Y280 LEV  
NNCEE (RNAV)–STAR .....

ILG,MQS,PHL,PNE,TTN .....

TBIRD (RNAV)–DP MATLK Q87 JROSS Q135 CUDE  
Q117 SAWED Q97 ZJAAY JIIMS (RNAV)–STAR ....

or

(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA  
IDOLS SKARP Q101 KALDA ZJAAY JIIMS (RNAV)–STAR .....

INDIANAPOLIS(IND) .....

TBIRD (RNAV)–DP COPAY KPASA Q118 THRSR Q79  
SWAPP GIBS (RNAV)–STAR .....

JACKSONVILLE(JAX) .....

TBIRD (RNAV)–DP MATLK ORL HAINY QUBEN  
(RNAV)–STAR .....

LOUISVILLE(LOU) .....

TBIRD (RNAV)–DP COPAY KPASA Q118 THRSR HCH  
DARBY–STAR .....

LOUISVILLE(SDF) .....

TBIRD (RNAV)–DP MATLK Q77 WIGVO VXV GREDE  
MAUDD (RNAV)–STAR .....

MANCHESTER(MHT) .....

(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO  
WAALT Q131 EARZZ JAMIE CNFR Q133 GANDE  
SMYTH ROZZE (RNAV)–STAR .....

MINNEAPOLIS(MSP) .....

TBIRD (RNAV)–DP COPAY KPASA Q118 THRSR Q79 IJU  
J89 OBK KAMMA KKILR (RNAV)–STAR .....

MONTREAL(CYUL) .....

(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO  
WAALT Q131 EARZZ JAMIE CNFR Q133 LLUND CAM  
JASDU PBERG CARTR (CANADIAN) (RNAV)–STAR .....

NANTUCKET(ACK) .....

(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA ZJAAY Q167 YAZUU  
SHAUP Q445 KYSKY DEEPO DEEPO (RNAV)–STAR .....

NASHVILLE(BNA) .....

TBIRD (RNAV)–DP COPAY KPASA Q118 THRSR WESSN  
JAGIR SWFFT (RNAV)–STAR .....

NEW YORK(ISP) .....

(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q439  
SARDI CCC .....

or

TBIRD (RNAV)–DP MATLK Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 Q439 SARDI CCC

NEW YORK(JFK) .....

TBIRD (RNAV)–DP MATLK Q87 JROSS LAANA Q109  
DFENC SAWED Q97 DLAAY RADD5 SIE CAMRN–STAR .....

or

(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA  
SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE  
CAMRN–STAR .....

or

(DEEP OCEAN)SLIDZ (RNAV)–DP LENDS PELCN ROWSY  
Y494 YAALE Y495 CAMRN .....



Terminals	Route
NEW YORK(LGA).....	TBIRD (RNAV)–DP MATLK Q87 HURTS PROUD (RNAV)–STAR..... or (WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC Q107 HURTS PROUD (RNAV)–STAR .....
NEWARK(EWR) .....	(DEEP OCEAN)SLIDZ (RNAV)–DP LENDS PELCN ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV V249 METRO..... or (WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC Q129 AARNN QUART PHLBO (RNAV)–STAR or TBIRD (RNAV)–DP MATLK Q87 ALWZZ OGRAE Q99 QUART PHLBO (RNAV)–STAR.....
ORLANDO(MCO) .....	TBIRD (RNAV)–DP CHEFS RIDES (RNAV)–STAR.....
PITTSBURGH(PIT).....	TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 RICCS LEJOY DEMME (RNAV)–STAR.....
PORTSMOUTH(PSM) .....	TBIRD (RNAV)–DP MATLK Q87 JROSS ELLDE Q97 PAACK JAMIE CONFR Q133 LLUND Q22 FOXWD KLANE TTERI REMDG.....
POU,SWF .....	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO WAALT Q131 EARZZ JAMIE CONFR Q481 DPK HUDSON–STAR.....
PROVIDENCE(PVD) .....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA ZJAAY Q167 ORCHA JORDN JORDN (RNAV)–STAR.....
RALEIGH/DURHAM(RDU) .....	TBIRD (RNAV)–DP MATLK Q87 VIYAP Q69 GURGE PETTO DMSTR (RNAV)–STAR..... or (WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC BLOGS (RNAV)–STAR .....
ST LOUIS(STL) .....	TBIRD COPAY SMELZ Q116 VLKNN GETME J151 VISQA BOOSH (RNAV)–STAR .....
TALLAHASSEE(TLH) .....	TBIRD (RNAV)–DP COPAY SMELZ Q116 JAWJA.....
TAMPA(TPA).....	OLAKE (RNAV)–DP JAYMC BLFRG (RNAV)–STAR .....
TETERBORO(TEB).....	(DEEP OCEAN)SLIDZ (RNAV)–DP LENDS PELCN ROWSY Y494 YAALE Y497 SUBBS CYN GXU RBV V249 METRO.....
TORONTO(CYYZ).....	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC Q129 PYTON WOZEE LINNG (CANADIAN) (RNAV)–STAR.....
WASHINGTON(DCA).....	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC RANAY TANJA WAVES CAPSS (RNAV)–STAR or TBIRD (RNAV)–DP MATLK Q87 RAYVO Q113 AARNN WAVES CAPSS (RNAV)–STAR .....
WASHINGTON(IAD).....	(WATER)SLIDZ (RNAV)–DP LENDS GRUBR Y299 SEELO GARIC Q129 YERBA MAYKR TRSSK CAVLR (RNAV)–STAR..... or TBIRD (RNAV)–DP MATLK Q87 ALWZZ OGRAE BZNGA DORRN CAVLR (RNAV)–STAR.....
WESTHAMPTON BEACH(FOK) .....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 Q445 BRIGS Q439 SARDI HTO.....
WHITE PLAINS(HPN) .....	TBIRD (RNAV)–DP MATLK Q87 JROSS LAANA Q109 DFENC SAWED Q97 DLAAY RADD5 SIE BOUNO–STAR or (WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 DLAAY RADD5 SIE BOUNO–STAR .....
WORCESTER(ORH) .....	(WATER)SLIDZ (RNAV)–DP LENDS PELCN Y309 FLRDA SAGGY CHIEZ Q133 KALDA Q97 HEADI ORW GRAYM
<b>WILMINGTON(ILM)</b>	
ATLANTA(ATL).....	(EAST FLOW)KAATT Q172 YUTEE SKWKR SIITH (RNAV)–STAR..... or (WEST FLOOR)KAATT Q172 YUTEE SKWKR JJEDI (RNAV)–STAR.....
CHARLOTTE(CLT) .....	(AOB FL220)OKNEE MLEET (RNAV)–STAR .....

# PREFERRED IFR ROUTES

577

**Terminals**

TETERBORO  
METRO(TEB,CDW,LDJ,MMU,SMQ,47N)

**Route**

LARKE Q111 SWNGR JAIKE (RNAV)-STAR .....

**Effective Times (UTC)**

## SPECIAL HIGH ALTITUDE PREFERRED DIRECTION ROUTES

**Terminals**

(RNAV ONLY)

SOUTHEAST .....  
FROM FLL,FXE,PMP VIA ATLANTIC  
OFFSHORE ROUTES TO NE U.S.

WATER.....  
FROM FLL,FXE,PMP VIA ATLANTIC  
OFFSHORE ROUTES TO NE U.S.

WATER.....  
FROM FLL,FXE,PMP VIA ATLANTIC  
OFFSHORE ROUTES TO PHL/TTN/PNE/ACY  
ONLY

WATER.....  
FROM MIA,HST,OPF,TMB,X51 VIA  
ATLANTIC OFFSHORE ROUTES TO NE U.S.

WATER.....  
FROM MIA,HST,OPF,TMB,X51 VIA  
ATLANTIC OFFSHORE ROUTES TO NE U.S.

WATER.....  
MIA,HST,OPF,TMB,X51 VIA ATLANTIC  
OFFSHORE ROUTES TO PHL/TTN/PNE/ACY  
ONLY

WATER.....  
TFC DEP FLL METRO AREA VIA ATLANTIC  
OFFSHORE ROUTES TO NE U.S. AND  
CANADA

NORTHBOUND .....  
TFC DEP PBI METRO AREA VIA ATLANTIC  
OFFSHORE ROUTES TO NE U.S. AND  
CANADA

NORTHBOUND .....  
TRAFFIC ARR ORLANDO METRO AREA  
ENTERING ZMA ARTCC BTN MAXIM AND  
TANIA(MUFH)

NORTHBOUND .....  
TRAFFIC ARRIVING FLL METRO AREA  
ENTERING ZMA ARTCC BTN MAXIM  
TANIA(MUFH)

NORTHBOUND .....  
TRAFFIC ARRIVING FLL METRO AREA  
ENTERING ZMA ARTCC BTN TANIA  
BORDO(MUFH)

NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING FLL METRO AREA  
ORIGINATING PORT AU PRINCE FIR(MTPP)

NORTHBOUND .....  
TRAFFIC ARRIVING FLL METRO AREA  
ORIGINATING SAN JUAN AREA

NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING FLL METRO AREA  
ORIGINATING SANTO DOMINGO  
UIR(MDCS)

NORTHBOUND .....  
TRAFFIC ARRIVING FLL METRO  
ORIGINATING SANTO DOMINGO  
UIR(MDCS)

NORTHBOUND .....

**Route**

JILIS TALLO VANZE (RNAV)-STAR MEM .....

FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA SAGGY

FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO WAALT

FEALX (RNAV)-DP ETECK PELCN Y309 FLRDA IDOLS

FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA SAGGY

FOLZZ (RNAV)-DP ALYRA GRUBR Y299 SEELO WAALT

FOLZZ (RNAV)-DP ALYRA PELCN Y309 FLRDA IDOLS

FEALX (RNAV)-DP ETECK GRUBR Y299 SEELO .....

SLIDZ (RNAV)-DP LENDS GRUBR Y299 SEELO.....

IKBIX Y183 PEAKY KUTNE RIDES (RNAV)-STAR .....

IKBIX BHHIA (RNAV)-STAR .....

BORDO DEKAL-STAR .....

BORDO OLAHS (RNAV)-STAR .....

JOSES Y398 KNSLY Y350 ZQA OLAHS (RNAV)-STAR

HARBG Y421 HAGIT Y352 ZQA OLAHS (RNAV)-STAR

SAPPO Y399 ZQA OLAHS (RNAV)-STAR .....

ALBBE Y374 RUMFO Y441 ZQA OLAHS (RNAV)-STAR

MALVN Y396 RUMFO Y441 ZQA OLAHS (RNAV)-STAR

**Effective Times (UTC)**

**Terminals**

TRAFFIC ARRIVING FORT LAUDERDALE  
METRO ORIGINATING NASSAU AREA  
NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING FORT LAUDERDALE  
METRO ORIGINATING PORT AU PRINCE  
FIR(MTPP) (NON GNSS EQUIPPED)  
NORTHBOUND .....  
TRAFFIC ARRIVING FORT LAUDERDALE  
METRO ORIGINATING SAN JUAN AREA  
(NON GNSS EQUIPPED)  
NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING FORT LAUDERDALE  
METRO ORIGINATING SANTO DOMINGO  
UIR(MDCS) (NON GNSS EQUIPPED)  
NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING MIA METRO AREA  
ENTERING ZMA ARTCC BTN MAXIM AND  
TANIA  
NORTHBOUND .....  
TRAFFIC ARRIVING MIA METRO AREA  
ENTERING ZMA ARTCC BTN TANIA AND  
BORDO  
NORTHBOUND .....  
TRAFFIC ARRIVING MIA METRO AREA  
ORIGINATING PORT AU PRINCE FIR(MTPP)  
NORTHBOUND .....  
TRAFFIC ARRIVING MIA METRO AREA  
ORIGINATING SAN JUAN AREA  
NORTHBOUND .....  
NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING MIA METRO AREA  
ORIGINATING SANTO DOMINGO  
UIR(MDCS)  
NORTHBOUND .....  
NORTHBOUND .....  
NORTHBOUND .....  
TRAFFIC ARRIVING MIAMI METRO  
ORIGINATING PORT AU PRINCE FIR(MTPP)  
(NON GNSS EQUIPPED)  
NORTHBOUND .....  
TRAFFIC ARRIVING MIAMI METRO  
ORIGINATING SAN JUAN AREA (NON  
GNSS EQUIPPED)  
NORTHBOUND .....  
TRAFFIC ARRIVING MIAMI METRO  
ORIGINATING SANTO DOMINGO  
UIR(MDCS) (NON GNSS EQUIPPED)  
NORTHBOUND .....  
TRAFFIC ARRIVING ORLANDO METRO  
AREA ENTERING ZMA ARTCC AT BORDO  
NORTHBOUND .....  
TRAFFIC ARRIVING ORLANDO METRO  
AREA ENTERING ZMA ARTCC AT ZEUSS  
NORTHBOUND .....  
TRAFFIC ARRIVING ORLANDO METRO  
AREA ORIGINATING PORT AU PRINCE  
FIR(MTPP)  
NORTHBOUND .....  
TRAFFIC ARRIVING ORLANDO METRO  
AREA ORIGINATING SAN JUAN AREA  
NORTHBOUND .....  
NORTHBOUND .....

**Route**

ZQA DEKAL-STAR.....  
ZQA OLAHS (RNAV)-STAR.....  
  
JOSES ZQA DEKAL-STAR .....  
  
HARBG HAGIT ZQA DEKAL-STAR .....  
SAPPO ZQA DEKAL-STAR.....  
  
ALBBE RUMFO ZQA DEKAL-STAR .....  
MALVN RUMFO ZQA DEKAL-STAR .....  
  
IKBIX SNDBR (RNAV)-STAR .....  
  
ZEUSS VIICE (RNAV)-STAR .....  
  
JOSES Y586 MADIZ VIICE (RNAV)-STAR .....  
  
FEKKO Y308 MADIZ VIICE (RNAV)-STAR .....  
HARBG PURPE FODED MADIZ FOWEE FOWEE-STAR  
HARBG Y330 FODED Y308 MADIZ VIICE (RNAV)-STAR  
  
ALBBE MADIZ FOWEE FOWEE-STAR .....  
ALBBE Y589 MADIZ VIICE (RNAV)-STAR.....  
MALVN MADIZ VIICE (RNAV)-STAR .....  
  
JOSES FORST MADIZ FOWEE FOWEE-STAR .....  
  
FEKKO FODED MADIZ FOWEE FOWEE-STAR.....  
  
MALVN MADIZ FOWEE FOWEE-STAR .....  
  
BORDO Y259 OCTAL RIDES (RNAV)-STAR .....  
  
ZEUSS Y217 OCTAL RIDES (RNAV)-STAR .....  
  
JOSES Y398 KNSLY Y353 SUMAC Y280 OCTAL RIDES  
(RNAV)-STAR.....  
  
HARBG Y421 SUMAC Y280 OCTAL RIDES (RNAV)-STAR  
SAPPO Y280 OCTAL RIDES (RNAV)-STAR .....

# PREFERRED IFR ROUTES

579

Effective  
Times (UTC)

## Terminals

TRAFFIC ARRIVING ORLANDO METRO  
AREA ORIGINATING SANTO DOMINGO  
UIR(MDCS)

NORTHBOUND .....

NORTHBOUND .....

TRAFFIC ARRIVING PBI METRO AREA  
ENTERING ZMA ARTCC AT BORDO

NORTHBOUND .....

TRAFFIC ARRIVING PBI METRO AREA  
ENTERING ZMA ARTCC AT ZEUSS

NORTHBOUND .....

TRAFFIC ARRIVING PBI METRO AREA  
ENTERING ZMA ARTCC BTN MAXIM AND  
TANIA

NORTHBOUND .....

TRAFFIC ARRIVING PBI METRO AREA  
ORIGINATING NASSAU AREA

NORTHBOUND .....

TRAFFIC ARRIVING TAMPA METRO AREA  
ENTERING ZMA ARTCC AT BORDO  
(JETS/TURBOPROPS ONLY)

NORTHBOUND .....

TRAFFIC ARRIVING TAMPA METRO AREA  
ENTERING ZMA ARTCC AT ZEUSS  
(JETS/TURBOPROPS ONLY)

NORTHBOUND .....

TRAFFIC ARRIVING TAMPA ORIGINATING  
MEXICO AND CENTRAL AMERICA

NORTHBOUND .....

NORTHBOUND .....

NORTHBOUND .....

TRAFFIC ARRIVING WEST PALM BEACH  
METRO ORIGINATING PORT AU PRINCE  
FIR(MTPP)

NORTHBOUND .....

TRAFFIC ARRIVING WEST PALM BEACH  
METRO ORIGINATING SAN JUAN AREA

NORTHBOUND .....

NORTHBOUND .....

TRAFFIC ARRIVING WEST PALM BEACH  
METRO ORIGINATING SANTO DOMINGO  
UIR(MDCS)

NORTHBOUND .....

NORTHBOUND .....

TRAFFIC DEP FLL METRO AREA VIA  
ATLANTIC OFFSHORE ROUTES TO  
PHL/TTN/PNE/ACY

WATER .....

TRAFFIC DEPARTING EUROPE LANDING  
FLL METRO AREA

DEEP OCEAN .....

DEEP OCEAN .....

DEEP OCEAN .....

DEEP OCEAN .....

DEEP OCEAN .....

DEEP OCEAN .....

TRAFFIC DEPARTING EUROPE LANDING  
FLL METRO AREA (JETS ONLY, EXCLUDES  
EA50, E50P, SF50, C510, C525)

DEEP OCEAN .....

TRAFFIC DEPARTING EUROPE LANDING  
MIA METRO AREA

DEEP OCEAN .....

DEEP OCEAN .....

## Route

ALBBE Y374 RUMFO Y443 SUMAC Y280 OCTAL RIDES  
(RNAV)-STAR .....

MALVN Y396 RUMFO Y443 SUMAC Y280 OCTAL RIDES  
(RNAV)-STAR .....

BORDO ISAAC MAHHI (RNAV)-STAR .....

ZEUSS ISAAC MAHHI (RNAV)-STAR .....

IKBIX Y183 PEAKY SWAGS VUUDU (RNAV)-STAR ..

ZQA BR54V ISAAC MAHHI (RNAV)-STAR .....

BORDO Y259 OCTAL BLFRG (RNAV)-STAR .....

ZEUSS Y217 OCTAL BLFRG (RNAV)-STAR .....

MYDIA M219 CULLY CHRGE RAYZZ (RNAV)-STAR ..

PISAD M215 CIGAR CHRGE RAYZZ (RNAV)-STAR ...

PISAD M215 SNOMN CHRGE RAYZZ (RNAV)-STAR.

JOSES SUMAC ISAAC MAHHI (RNAV)-STAR .....

HARBG Y421 SUMAC ISAAC MAHHI (RNAV)-STAR .

SAPPO Y280 SUMAC ISAAC MAHHI (RNAV)-STAR ..

ALBBE Y374 RUMFO Y443 SUMAC ISAAC MAHHI  
(RNAV)-STAR .....

MALVN Y396 RUMFO Y443 SUMAC ISAAC MAHHI  
(RNAV)-STAR .....

SLIDZ (RNAV)-DP LENDS PELCN Y309 FLRDA IDOLS

BROOM Y588 ROTHM M328 BAAGR FIOLO CUUDA  
(RNAV)-STAR .....

CANEE M331 RENAH ZQA OLAHS (RNAV)-STAR ...

CNNOR M328 BAAGR FIOLO CUUDA (RNAV)-STAR

GRATX M329 CLETT FIOLO CUUDA (RNAV)-STAR ..

MAPYL G437 BAAGR FIOLO CUUDA (RNAV)-STAR .

MILLE M330 MLSAP ZQA OLAHS (RNAV)-STAR .....

VEGAA Y493 JENKS MAJIK CUUDA (RNAV)-STAR ..

CANEE M331 RENAH ZQA VIICE (RNAV)-STAR .....

MILLE M330 MLSAP ZQA VIICE (RNAV)-STAR .....

## Terminals

TRAFFIC DEPARTING EUROPE LANDING MIA METRO AREA (JETS ONLY, EXCLUDES EA50, E50P, SF50, C510, C525) DEEP OCEAN.....	BROOM Y588 ROTHM M328 BAAGR MORME BNFSH (RNAV)-STAR.....
DEEP OCEAN.....	CNNOR M328 BAAGR MORME BNFSH (RNAV)-STAR
DEEP OCEAN.....	GRATX M329 CLETT MORME BNFSH (RNAV)-STAR
DEEP OCEAN.....	MAPYL G437 BAAGR MORME BNFSH (RNAV)-STAR
DEEP OCEAN.....	VEGAA Y493 JENKS HOAGG BNFSH (RNAV)-STAR.
TRAFFIC DEPARTING EUROPE LANDING ORLANDO METRO AREA DEEP OCEAN.....	VEGAA Y493 BAHAA HIBAC ALYNA (RNAV)-STAR..
TRAFFIC DEPARTING EUROPE LANDING PBI METRO AREA DEEP OCEAN.....	VEGAA Y493 BAHAA DULEE CLMNT (RNAV)-STAR.
TRAFFIC DEPARTING EUROPE LANDING TPA METRO AREA DEEP OCEAN.....	VEGAA Y493 BAHAA HIBAC DADES (RNAV)-STAR..
TRAFFIC DEPARTING FLL ENTERING HAVANA FIR(MUFH) AT URSUS SOUTHBOUND .....	REGAE (RNAV)-DP URSUS.....
TRAFFIC DEPARTING FLL ENTERING SANTO DOMINGO UIR(MDCS) AT JUELE SOUTHBOUND .....	GABOW (RNAV)-DP SUMAC Y443 RUMFO Y441 JUELE
SOUTHBOUND .....	HUSIL (RNAV)-DP CAMIX JAGOR RUMFO Y441 JUELE
SOUTHBOUND .....	KLADA (RNAV)-DP JAGOR RUMFO Y441 JUELE .....
SOUTHBOUND .....	SNAPR (RNAV)-DP SUMAC Y443 RUMFO Y441 JUELE
TRAFFIC DEPARTING FLL METRO AREA ENTERING HAVANA FIR(MUFH) AT MAXIM SOUTHBOUND .....	GLADZ (RNAV)-DP LULLS Y262 MAXIM .....
TRAFFIC DEPARTING FLL METRO AREA ENTERING HAVANA FIR(MUFH) BTN MAXIM TANIA SOUTHBOUND .....	MAYNR (RNAV)-DP FUNDI.....
SOUTHBOUND .....	MAYNR MCLAW Y442 FUNDI .....
TRAFFIC DEPARTING FLL METRO AREA TO EUROPEAN DESTINATIONS DEEP OCEAN.....	FEALX (RNAV)-DP ETECK PELCN ROWSY Y494 VIRST M201 VEGAA .....
TRAFFIC DEPARTING FLL METRO ENTERING ZMA ARTCC AT HAVANA FIR (MUFH) SOUTHBOUND .....	GLADZ (RNAV)-DP LULLS Y196 CANOA.....
TRAFFIC DEPARTING MCO ENTERING HAVANA FIR(MUFH) AT CANOA SOUTHBOUND .....	FSHUN (RNAV)-DP PLUMR RSW KARTR LULLS Y196 CANOA .....
TRAFFIC DEPARTING MCO ENTERING HAVANA FIR(MUFH) AT MAXIM SOUTHBOUND .....	FSHUN (RNAV)-DP PLUMR RSW KARTR LULLS Y262 MAXIM .....
TRAFFIC DEPARTING MCO ENTERING HAVANA FIR(MUFH) BTN MAXIM AND TANIA SOUTHBOUND .....	FSHUN (RNAV)-DP PLUMR RSW FEMID Q79 MCLAW Y442 FUNDI .....
TRAFFIC DEPARTING MCO TO EUROPEAN DESTINATIONS DEEP OCEAN.....	MZULO (RNAV)-DP ETECK PELCN ROWSY V494 VIRST M201 VEGAA .....
TRAFFIC DEPARTING MIA ENTERING HAVANA FIR(MUFH) AT URSUS SOUTHBOUND .....	GWAVA (RNAV)-DP URSUS.....
TRAFFIC DEPARTING MIA METRO AREA ENTERING HAVANA FIR(MUFH) AT FUNDI SOUTHBOUND .....	MAYNR (RNAV)-DP FUNDI.....
TRAFFIC DEPARTING MIA METRO AREA ENTERING HAVANA FIR(MUFH) AT MAXIM SOUTHBOUND .....	GLADZ (RNAV)-DP LULLS Y262 MAXIM .....

# PREFERRED IFR ROUTES

581

Effective  
Times (UTC)

**Terminals**

TRAFFIC DEPARTING MIA METRO AREA TO EUROPEAN DESTINATIONS

DEEP OCEAN .....

TRAFFIC DEPARTING MIA METRO ENTERING ZMA ARTCC AT HAVANA FIR (MUFH)

SOUTHBOUND.....

TRAFFIC DEPARTING PBI METRO AREA VIA ATLANTIC OFFSHORE ROUTES TO NE U.S.

WATER.....

TRAFFIC DEPARTING PBI METRO AREA VIA ATLANTIC OFFSHORE ROUTES TO NE U.S.

WATER.....

TRAFFIC DEPARTING PBI TO EUROPEAN DESTINATIONS

DEEP OCEAN .....

TRAFFIC DEPARTING SFB TO EUROPEAN DESTINATIONS

DEEP OCEAN .....

TRAFFIC DEPARTING TPA TO EUROPEAN DESTINATIONS

DEEP OCEAN .....

TRAFFIC ENTERING MEMPHIS ARTCC NORTH OF J118 (NON-RNAV EQUIPPED)

NORTHEAST .....

NORTHEAST .....

TRAFFIC ENTERING MEMPHIS ARTCC NORTH OF J118 (RNAV ONLY)

NORTHEAST .....

NORTHEAST .....

TRAFFIC ENTERING MEMPHIS ARTCC ON OR SOUTH OF J6 (NON-RNAV EQUIPPED)

SOUTHWEST .....

SOUTHWEST .....

SOUTHWEST .....

SOUTHWEST .....

TRAFFIC ENTERING MEMPHIS ARTCC ON OR SOUTH OF J6 (RNAV ONLY)

SOUTHWEST .....

SOUTHWEST .....

SOUTHWEST .....

SOUTHWEST .....

TRAFFIC ENTERING MEMPHIS ARTCC ON OR WEST OF J35 (NON-RNAV EQUIPPED)

NORTHEAST .....

NORTHWEST .....

NORTHWEST .....

NORTHWEST .....

TRAFFIC ENTERING MEMPHIS ARTCC ON OR WEST OF J35 (RNAV ONLY)

NORTHEAST .....

NORTHWEST .....

NORTHWEST .....

NORTHWEST .....

TRAFFIC ENTERING MEMPHIS ARTCC SOUTH OF J118 (RNAV ONLY)

SOUTHEAST .....

TRAFFIC ENTERING ZMA ARTCC BTN MAXIM AND TANIA DESTINATION FLL METRO

NORTHBOUND .....

**Route**

FOLZZ (RNAV)-DP ALYRA ROWSY Y494 VIRST M201 VEGAA .....

GLADZ (RNAV)-DP LULLS Y196 CANOA .....

SLIDZ (RNAV)-DP LENDS PELCN Y309 FLRDA SAGGY

SLIDZ (RNAV)-DP LENDS GRUBR Y299 SEELO WAALT

SLIDZ (RNAV)-DP LENDS PELCN ROWSY Y494 VIRST M201 VEGAA .....

MZULO HESTA ETECK PELCN ROWSY V494 VIRST M201 VEGAA .....

CROWD (RNAV)-DP CROWD MZULO HESTA ETECK PELCN ROWSY Y494 VIRST M201 VEGAA.....

BNA WLDER-STAR .....

PXV WLDER-STAR .....

BNA BLUZZ (RNAV)-STAR .....

PXV BLUZZ (RNAV)-STAR.....

BARFF MARVELL-STAR .....

ELD MARVELL-STAR.....

SQS MARVELL-STAR.....

TXK MARVELL-STAR .....

ELD HOBRK (RNAV)-STAR .....

LIT HOBRK (RNAV)-STAR.....

MEVEE HOBRK (RNAV)-STAR .....

TXK HOBRK (RNAV)-STAR.....

ARG DAWGG-STAR .....

ARG DAWGG-STAR .....

DAWGG-STAR .....

RZC DAWGG-STAR .....

1100-0200

WHOLL BRBBQ (RNAV)-STAR .....

FSM BRBBQ (RNAV)-STAR .....

RZC BRBBQ (RNAV)-STAR .....

WHOLL BRBBQ (RNAV)-STAR .....

WASER VANZE (RNAV)-STAR .....

MONDAY-FRI  
DAY

IKBIX Y183 PEAKY DVALL DVALL-STAR .....

1000-0300

Terminals	Route	Effective Times (UTC)
TRAFFIC ENTERING ZMA ARTCC BTN MAXIM AND TANIA DESTINATION MCO METRO NORTHBOUND .....	IKBIX Y183 PEAKY PHK GOOFY-STAR .....	1000-0300
TRAFFIC ENTERING ZMA ARTCC BTN MAXIM AND TANIA DESTINATION MIA METRO NORTHBOUND .....	IKBIX Y183 PEAKY DVALL DVALL-STAR.....	1000-0300
TRAFFIC ENTERING ZMA ARTCC BTN MAXIM AND TANIA DESTINATION PBI METRO NORTHBOUND .....	IKBIX Y183 PEAKY SWAGS PHK .....	1000-0300
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO AGUADILLA (TJBQ) SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y439 MEEGL.....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y439 MEEGL.....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y439 MEEGL.....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y439 MEEGL .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO BRIDGETOWN (TBPB) SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y439 MEEGL ILURI A555 BGI .....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y439 MEEGL ILURI A555 BGI	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y439 MEEGL ILURI A555 BGI .....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y439 MEEGL ILURI A555 BGI	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO CHARLESTOWN (TKPN) SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y439 MEEGL DANDE G633 SKB.....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y439 MEEGL DANDE G633 SKB.....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y439 MEEGL DANDE G633 SKB.....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y439 MEEGL DANDE G633 SKB.....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO CROWN POINT (TTCP) SOUTHBOUND .....	HAGIT Y421 HARBG L452 ANADA TRI.....	
SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y294 GESSO L467 ANADA TRI .....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y294 GESSO L467 ANADA TRI .....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y294 GESSO L467 ANADA TRI .....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y294 GESSO L467 ANADA TRI .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO FORT DE FRANCE (TFFF) SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y439 MEEGL ILURI A555 FOF .....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y439 MEEGL ILURI A555 FOF	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y439 MEEGL ILURI A555 FOF .....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y439 MEEGL ILURI A555 FOF	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO GLODEN ROCK (TKPK) SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y439 MEEGL DANDE G633 SKB.....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y439 MEEGL DANDE G633 SKB.....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y439 MEEGL DANDE G633 SKB.....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y439 MEEGL DANDE G633 SKB.....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO GRAND CASE (TFFG) SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y355 SLUGO .....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y355 SLUGO .....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y355 SLUGO .....	

# PREFERRED IFR ROUTES

583

Effective  
Times (UTC)

## Terminals

SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO MAYAGUEZ (TJMZ)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO ORANJESTAD (TNCE)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO PHILIPSBURG (TNCM)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO POINT SALINES (TGPY)  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO POINTE A PITRE (TFFR)  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO PONCE (TJPS)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO PORT AU PRINCE (MTPP)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO PORT OF SPAIN (TTPP)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 SOUTHBOUND.....  
  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO PUERTO PLATA (MDPP)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 TRAFFIC ENTERING ZMA FOR CARIBBEAN  
 FLIGHTS TO SAINT BARTHELEMY (TFFJ)  
 SOUTHBOUND.....  
 SOUTHBOUND.....  
 SOUTHBOUND.....

## Route

LUCTI L454 KNDLL FIPEK Y355 SLUGO.....  
  
 LAMER L453 RODRK FIPEK Y439 MEEGL.....  
 LETON L451 IORIO FIPEK Y439 MEEGL.....  
 LNHOM L452 SLUKA FIPEK Y439 MEEGL.....  
 LUCTI L454 KNDLL FIPEK Y439 MEEGL.....  
  
 LAMER L453 RODRK FIPEK Y355 SLUGO.....  
 LETON L451 IORIO FIDEK Y355 SLUGO.....  
 LNHOM L452 SLUKA FIPEK Y355 SLUGO.....  
 LUCTI L454 KNDLL FIPEK Y355 SLUGO.....  
  
 LAMER L453 CERDA FIPEK Y355 SLUGO.....  
 LETON L451 CERDA FIPEK Y355 SLUGO.....  
 LNHOM L452 JORGG FIPEK Y355 SLUGO.....  
 LUCTI L454 MNDEZ FIPEK Y355 SLUGO.....  
  
 FIPEK Y294 GESSO GEECE.....  
  
 LAMER L453 RODRK FIPEK Y439 MEEGL MODUX R888  
 PPR.....  
 LETON L451 IORIO FIPEK Y439 MEEGL MODUX R888  
 PPR.....  
 LNHOM L452 SLUKA FIPEK Y439 MEEGL MODUX R888  
 PPR.....  
 LUCTI L454 KNDLL FIPEK Y439 MEEGL MODUX R888  
 PPR.....  
  
 LAMER L453 RODRK FIPEK Y439 MEEGL.....  
 LETON L451 IORIO FIPEK Y439 MEEGL.....  
 LNHOM L452 SLUKA FIPEK Y439 MEEGL.....  
 LUCTI L454 KNDLL FIPEK Y439 MEEGL.....  
  
 LAMER L464 CERDA M594 GTK G444 OBN.....  
 LETON L450 GTK G444 OBN.....  
 LNHOM L452 GTK G444 OBN.....  
  
 HAGIT Y421 HARBG L452 ANADA TRI.....  
 LAMER L453 RODRK FIPEK Y294 GESSO L467 ANADA  
 TRI.....  
 LETON L451 IORIO FIPEK Y294 GESSO L467 ANADA  
 TRI.....  
 LNHOM L452 SLUKA FIPEK Y294 GESSO L467 ANADA  
 TRI.....  
 LUCTI L454 KNDLL FIPEK Y294 GESSO L467 ANADA  
 TRI.....  
  
 LAMER L453 RODRK SEKAR A554 PTA.....  
 LETON L451 IORIO SEKAR A554 PTA.....  
 LNHOM L452 SLUKA SEKAR A554 PTA.....  
 LUCTI L454 MNDEZ SEKAR A554 PTA.....  
 MLLER M594 CERDA L453 MACKI B891 PTA.....  
 NUCAR L463 RNDLY SEKAR A554 PTA.....  
 WATRS M596 PTA.....  
  
 LAMER L453 RODRK FIPEK Y355 SLUGO.....  
 LETON L451 IORIO FIPEK Y355 SLUGO.....  
 LNHOM L452 SLUKA FIPEK Y355 SLUGO.....



Terminals	Route	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y355 SLUGO .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO SAN JUAN (TJIG)		
SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y355 PLING RTE7 SAALR	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y355 PLING RTE7 SAALR	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y355 PLING RTE7 SAALR	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y355 PLING RTE7 SAALR	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO SAN JUAN (TJSJ)		
SOUTHBOUND .....	LAMER L453 CERDA FIPEK Y355 PLING RTE7 SAALR	
SOUTHBOUND .....	LETON L451 CERDA FIPEK Y355 PLING RTE7 SAALR	
SOUTHBOUND .....	LNHOM L452 JORGG FIPEK Y355 PLING RTE7 SAALR	
SOUTHBOUND .....	LUCTI L454 MNDEZ FIPEK Y355 PLING RTE7 SAALR	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO SANTO DOMINGO (MDSJ)		
SOUTHBOUND .....	NUCAR Y374 RUMFO Y441 JUELE .....	
.....	NUCAR Y374 RUMFO Y441 JUELE .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO ST CROIX V.I. (TISX)		
SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y355 KOLAO .....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y355 KOLAO .....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y355 KOLAO .....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y355 KOLAO .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO ST JOHNS ISLAND (TAPA)		
SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y355 ELOPO B520 ANU	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y355 ELOPO B520 ANU	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y355 ELOPO B520 ANU	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y355 ELOPO B520 ANU	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO ST LUCIA ISLAND (TLPL)		
SOUTHBOUND .....	FIPEK Y294 GESSO GEECE .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO ST THOMAS VIRGIN IS (TIST)		
SOUTHBOUND .....	FIPEK Y355 KOLAO JETSS .....	
SOUTHBOUND .....	LAMER L453 CERDA FIPEK Y355 KOLAO JETSS .....	
SOUTHBOUND .....	LETON L451 CERDA FIPEK Y355 KOLAO JETSS .....	
SOUTHBOUND .....	LNHOM L452 JORGG FIPEK Y355 KOLAO JETSS .....	
SOUTHBOUND .....	LUCTI L454 MNDEZ FIPEK Y355 KOLAO JETSS .....	
TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO THE VALLEY (TQPF)		
SOUTHBOUND .....	LAMER L453 RODRK FIPEK Y355 SLUGO .....	
SOUTHBOUND .....	LETON L451 IORIO FIPEK Y355 SLUGO .....	
SOUTHBOUND .....	LNHOM L452 SLUKA FIPEK Y355 SLUGO .....	
SOUTHBOUND .....	LUCTI L454 KNDLL FIPEK Y355 SLUGO .....	
TRAFFIC OVERFLYING ZMA ARTCC BTN MAXIM AND TANIA		
NORTHBOUND .....	IKBIX Y183 PEAKY Q118 BRUTS .....	1000-0300
NORTHBOUND .....	IKBIX Y183 PEAKY Q87 VIYAP .....	1000-0300
TRAFFIC OVERFLYING ZMA ARTCC BTN TANIA AND BORDO		
NORTHBOUND .....	BORDO Y259 OCTAL Q77 ETORE .....	
NORTHBOUND .....	BORDO Y259 OCTAL Q77 MATLK Q87 FEMON .....	
NORTHBOUND .....	ZEUSS Y217 OCTAL Q77 ETORE .....	
NORTHBOUND .....	ZEUSS Y217 OCTAL Q77 MATLK Q87 FEMON .....	
TRAFFIC OVERFLYING ZMA ARTCC ENTERING HAVANA FIR(MUFH) BTN MAXIM AND TANIA		
SOUTHBOUND .....	MCLAW Y442 FUNDI .....	1000-0300
TRAFFIC OVERFLYING ZMA ARTCC TO NE U.S.		
N BND .....	BORDO ZFP Y319 JAZZI WAALT CHIEZ .....	
N BND .....	TANIA ZOLLA PERMT AR16 GRUBR Y299 SEELO WAALT	
N BND .....	TANIA ZOLLA WOLFO AR18 PELCN Y309 FLRDA SAGGY	
TRAFFIC OVERFLYING ZMA ARTCC TO NE U.S.		
N BND .....	ZEUSS Y329 ZFP Y319 JAZZI SAGGY .....	

# PREFERRED IFR ROUTES

585

**Terminals**

**Route**

Effective  
Times (UTC)

TRAFFIC OVERFLYING ZMA ARTCC TO NE U.S. AND CANADA	
NORTHBOUND .....	FOLZZ (RNAV)—DP ALYRA GRUBR Y299 SEELO .....
NORTHBOUND .....	TANIA ZOLLA PERMT AR16 GRUBR Y299 SEELO.....
NORTHBOUND .....	ZEUSS Y329 ZFP Y319 JAZZI .....

## HIGH ALTITUDE—PREFERRED DIRECTION ROUTES

Airway	Segment Fixes	Direction Effective	Effective Times (UTC)
AR15 .....	BAHAA, OA to ORLANDO, FL .....	S BND	
AR16 .....	PERMT, FL to SEELO, OA .....	N BND	
AR17 .....	WAALT, NC to VIRGINIA KEY, FL.....	S BND	
AR18 .....	WOLFO, OA to FLRDA, OA .....	N BND	
AR19 .....	SAGGY, OA to MAJIK, OA .....	S BND	
AR22 .....	IDOLS, OA to HOAGG, OA .....	S BND	
Q19 .....	GOONS, GA to BULZI, FL .....	S BND	
Q52 .....	COLZI, NC to CHOPZ, GA.....	SW BND	
Q65 .....	KERLY, GA to MGNTY, FL .....	S BND	
Q69 .....	GURGE, SC to RYCKI, NC .....	N BND	
Q69 .....	VIYAP, GA to RICCS, WV.....	N BND	
Q75 .....	TEEEM, GA to ENEME, GA .....	S BND	
Q77 .....	MATLK, FL to SHRKS, FL.....	N BND	
Q79 .....	THRSR, GA to WULFF, FL.....	S BND	
Q81 .....	HONID, GA to FARLU, FL.....	S BND	
Q83 .....	SLOJO, SC to JEVED, GA.....	S BND	
Q85 .....	SMPRR, NC to LPERD, FL.....	S BND	
Q87 .....	MATLK, FL to LCAPE, SC .....	N BND	
Q93 .....	ISUZO, GA to MALET, FL .....	S BND	
Q97 .....	ELLDE, NC to MALET, FL.....	S BND	
Q99 .....	KPASA, FL to POLYY, NC .....	N BND	
Q109 .....	CAMJO, FL to LAANA, NC .....	N BND	
Q110 .....	SHEEK, FL to JYROD, AL .....	N BND	
Q113 .....	RAYVO, SC to SARKY, SC.....	N BND	
Q116 .....	SHEEK, FL to DEEDA, GA .....	N BND	
Q118 .....	SHEEK, FL to THRSR, GA .....	N BND	
Q135 .....	JROSS, SC to RAPZZ, NC.....	N BND	
Q409 .....	MRPIT, NC to ENEME, GA .....	S BND	
Q445 .....	SHAUP, OA to KYSKY, NY .....	NE BND	
Y183 .....	IKBIX, OA to PEAKY, FL .....	N BND	
Y289 .....	WAALT, NC to DULEE, OA .....	S BND	
Y291 .....	SAGGY, OA to MAJIK, OA.....	S BND	
Y299 .....	GRUBR, OA to SEELO, OA .....	N BND	
Y309 .....	PELCN, OA to FLRDA, OA .....	N BND	
Y313 .....	IDOLS, OA to HOAGG, OA .....	S BND	
Y442 .....	MNATE, FL to FUNDI, OA .....	S BND	

## MINIMUM OPERATIONAL NETWORK (MON) AIRPORT LISTING





STATE	CITY	AIRPORT NAME	LOCATION IDENTIFIER
AL	BIRMINGHAM	BIRMINGHAM-SHUTTLESWORTH INTL	BHM
AL	HUNTSVILLE	HUNTSVILLE INTL-CARL T JONES FIELD	HSV
AL	MONTGOMERY	MONTGOMERY RGNL (DANNELLY FIELD)	MGM
FL	MIAMI	MIAMI EXECUTIVE	TMB
FL	PENSACOLA	PENSACOLA INTL	PNS
FL	TALLAHASSEE	TALLAHASSEE INTL	TLH
FL	TAMPA	TAMPA EXECUTIVE	VDF
FL	TITUSVILLE	SPACE COAST RGNL	TIX
GA	AUGUSTA	AUGUSTA RGNL AT BUSH FIELD	AGS
GA	EASTMAN	HEART OF GEORGIA RGNL	EZM
GA	ROME	RICHARD B RUSSELL RGNL - J H TOWERS FIELD	RMG
GA	VALDOSTA	VALDOSTA RGNL	VLD
KY	LEXINGTON	BLUE GRASS	LEX
KY	LONDON	LONDON-CORBIN ARPT-MAGEE FIELD	LOZ
KY	PADUCAH	BARKLEY RGNL	PAH
NC	BURLINGTON	BURLINGTON/ALAMANCE RGNL	BUY
NC	GREENSBORO	PIEDMONT TRIAD INTL	GSO
NC	HICKORY	HICKORY RGNL	HKY
NC	NEW BERN	COASTAL CAROLINA RGNL	EWN
SC	COLUMBIA	COLUMBIA METROPOLITAN	CAE
SC	GREER	GREENVILLE SPARTANBURG INTL	GSP
SC	NORTH MYRTLE BEACH	GRAND STRAND	CRE
TN	CROSSVILLE	CROSSVILLE MEMORIAL-WHITSON FIELD	CSV

In support of the Federal Aviation Administration's Runway Incursion Program, selected towered airport diagrams have been published in the Airport Diagram section of the Chart Supplement. Diagrams will be listed alphabetically by associated city and airport name. Airport diagrams, depicting runway and taxiway configurations, will assist both VFR and IFR pilots in ground taxi operations. The airport diagrams in this publication are the same as those published in the U.S. Terminal Procedures Publications. For additional airport diagram legend information see the U.S. Terminal Procedures Publication.

NOTE: Some text data published under the individual airport in the front portion of the Chart Supplement may be more current than the data published on the Airport Diagrams. The airport diagrams are updated only when significant changes occur.

### PILOT CONTROLLED AIRPORT LIGHTING SYSTEMS

Available pilot controlled lighting (PCL) systems are indicated as follows:

1. Approach lighting systems that bear a system identification are symbolized using negative symbology, e.g., .
  2. Approach lighting systems that do not bear a system identification are indicated with a negative "L" beside the name. A star (\*) indicates non-standard PCL, consult Chart Supplement, e.g., .
- To activate lights, use frequency indicated in the communication section of the chart with a  or the appropriate lighting system identification e.g., UNICOM 122.8 .

<u>KEY MIKE</u>	<u>FUNCTION</u>
7 times within 5 seconds	Highest intensity available
5 times within 5 seconds	Medium or lower intensity (Lower REIL or REIL-off)
3 times within 5 seconds	Lowest intensity available (Lower REIL or REIL-off)

### CHART CURRENCY INFORMATION

Date of Latest Revision                      09365

The Date of Latest Revision identifies the Julian date the chart was added or last revised for any reason. The first two digits indicate the year, the last three digits indicate the day of the year (001 to 365/6) in which the latest revision of any kind has been made to the chart.



The FAA Procedure Amendment Number represents the most current amendment of a given procedure. The Procedure Amendment Effective Date represents the ATRAC cycle date on which the procedure amendment was incorporated into the chart. Updates to the amendment number & effective date represent procedural/criteria revisions to the charted procedure, e.g., course, fix, altitude, minima, etc.

NOTE: Inclusion of the "Procedure Amendment Effective Date" will be phased in as procedures are amended. As this occurs, the Julian date will be relocated to the upper right corner of the chart.

### MISCELLANEOUS

- ★ Indicates a non-continuously operating facility, see Chart Supplement.
- For Civil (FAA) instrument procedures, "RADAR REQUIRED" in the planview of the chart indicates that ATC radar must be available to assist the pilot when transitioning from the en route environment. "Radar required" in the pilot briefing portion of the chart indicates that ATC radar is required on portions of the procedure outside the final approach segment, including the missed approach. Some military procedures also have equipment requirements such as "Radar Required", but do not conform to the same charting application standards used by the FAA. Distances in nautical miles (except visibility) in statute miles and Runway Visual Range in hundreds of feet). Runway Dimensions in feet. Elevations in feet. Mean Sea Level (MSL). Ceilings in feet above airport elevation. Radials/bearings/headings/courses are magnetic. Horizontal Datum: Unless otherwise noted on the chart, all coordinates are referenced to North American Datum 1983 (NAD 83), which for charting purposes is considered equivalent to World Geodetic System 1984 (WGS 84).

Terrain is scaled within the neat lines (planview boundaries) and does not accurately underlie not-to-scale distance depictions or symbols.

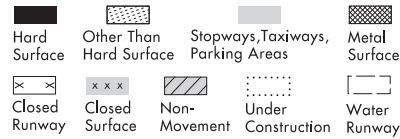
24025

LEGEND

INSTRUMENT APPROACH PROCEDURES (CHARTS)

AIRPORT DIAGRAM/AIRPORT SKETCH

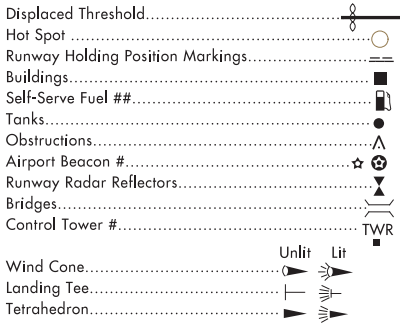
Runways



ARRESTING GEAR: Specific arresting gear systems; e.g., BAK12, MA-1A etc., shown on airport diagrams, not applicable to Civil Pilots. Military Pilots refer to appropriate DOD publications.



REFERENCE FEATURES



# When Control Tower and Rotating Beacon are co-located, Beacon symbol will be used and further identified as TWR.  
## See appropriate Chart Supplement for information.

Runway Weight Bearing Capacity or Pavement Classification Number (PCN)/Pavement Classification Rating (PCR) is shown as a codified expression. Refer to the appropriate Supplement/Directory for applicable codes e.g., RWY 14-32 PCR 560 R/B/W/T; S-75, D-185, 2D-325, 2D/2D2-1120

Helicopter Alighting Areas

Negative Symbols used to identify Copter Procedures landing point.....

NOTE: Landmark features depicted on Copter Approach insets and sketches are provided for visual reference only.

Runway TDZ elevation.....TDZE 123

Runway Slope..... ← 0.3% Down.....0.8% UP → (shown when rounded runway slope is ≥ 0.3%)

NOTE: Runway Slope measured to midpoint on runways 8000 feet or longer.

U.S. Navy Optical Landing System (OLS) "OLS" location is shown because of its height of approximately 7 feet and proximity to edge of runway may create an obstruction for some types of aircraft.

Approach light symbols are shown in the Flight Information Handbook.

Airport diagram scales are variable.

True/magnetic North orientation may vary from diagram to diagram

Coordinate values are shown in 1 or 1/2 minute increments. They are further broken down into 6 second ticks, within each 1 minute increments.

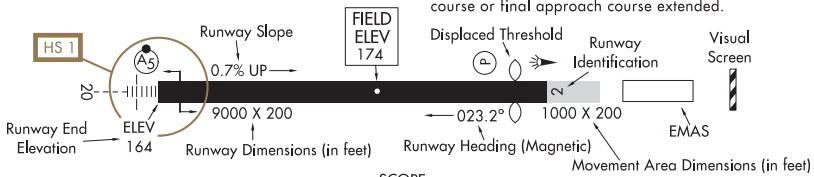
Positional accuracy within ± 600 feet unless otherwise noted on the chart.

Runway length depicted is the physical length of the runway (end-to-end, including displaced thresholds if any) but excluding areas designated as stopways.

A symbol is shown to indicate runway declared distance information available, see appropriate Chart Supplement for distance information.

NOTE: All new and revised airport diagrams are shown referenced to the World Geodetic System (WGS) (noted on appropriate diagram), and may not be compatible with local coordinates published in DoD FLIP. (Foreign Only)

The airport sketch box includes the final approach course or final approach course extended.



SCOPE  
Airport diagrams are specifically designed to assist in the movement of ground traffic at locations with complex runway/taxiway configurations. Airport diagrams are not intended to be used for approach and landing or departure operations. For revisions to Airport Diagrams: Consult FAA Order 7910.4.

LEGEND

## HOT SPOTS

An "Airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
<b>ALABAMA</b>		
HUNTSVILLE		
HUNTSVILLE INTL-CARL T JONES FLD (HSV)	HS 1	Int of Twy E2 and adj Twy E access to Rwy 18L-36R. Potential for pilots departing the General Aviation Apron to confuse rwy access at this pt as being full length for Rwy 18L.
	HS 2	Int of Twy E3 and adj Twy E access to Rwy 18L-36R. Potential for pilots departing the General Aviation Apron to confuse rwy access at this pt as being full length for Rwy 18L.
MONTGOMERY		
MONTGOMERY RGNL (DANNELLY FLD) (MGM)	HS 1	Intersection of the Twy A5 and the ANG ramp. Potential exiting Rwy 10-28 at Twy A5.
TUSCALOOSA		
TUSCALOOSA NTL (TCL)	HS 1	Unusually placed Rwy 30 hold line just beyond Twy D5.
<b>FLORIDA</b>		
FORT LAUDERDALE		
FORT LAUDERDALE EXEC (FXE)	HS 1	Active intersection when simultaneous ops occur on Rwy 09 and Rwy 13. Pilots taxi from Rwy 13 & Twy E run-up area via Twy B. Do not continue on to Rwy 09-27 without ATC authorization.
	HS 2	Active intersection when simultaneous ops occur on Rwy 09 and Rwy 13. Pilots taxi from Rwy 13 and Twy E run-up area via Twy A, Twy B and Twy E. Do not continue on to Rwy 13-31 without ATC authorization.
	HS 3	Large paved area with direct access to Rwy 13-31 from Taxilane C Ramp. Do not access Rwy 13-31 without ATC authorization.
FORT LAUDERDALE		
FORT LAUDERDALE/HOLLYWOOD INTL (FLL)	HS 1	Twy Q at Rwy 10L-28R.
FORT MYERS		
PAGE FLD (FMY)	HS 1	Multiple twy ints in the vicinity of the intersection of Rwy 05-23 and Rwy 13-31.
FORT MYERS		
SOUTHWEST FLORIDA INTL (RSW)	HS 1	Twy G1 is aligned with Twy F2. You must receive clearance to proceed onto Twy F2.
FORT PIERCE		
TREASURE COAST INTL (FPR)	HS 1	Maint vigilance confusing int.
	HS 2	Confusing int; pilots have used Twy A as a rwy.
HOLLYWOOD		
NORTH PERRY (HWO)	HS 1	Southbound on Twy D for Rwy 28R departures-Pilots miss the turn onto Twy P and enter the rwy.
	HS 2	The hold line for Rwy 01L is also the hold line for Rwy 10R.
	HS 3	Act taxiing on Twy L westbound to depart on Rwy 01L-19R, Twy L crosses the apch end of Rwy 01R. Pilots must obtain clearance from ground ctl prior to crossing Rwy 01R.
JACKSONVILLE		
JACKSONVILLE EXEC AT CRAIG (CRG)	HS 1	Maint vigilance confusing twy int.
	HS 2	Maint vigilance area not visible fr the ATCT.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
MIAMI		
MIAMI INTL (MIA)	HS 1	Short taxi across twys to rwy.
	HS 2	Rwy 27 and Rwy 30 wrong rwy departure risk.
	HS 3	Short taxi between rwys.
	HS 4	Two rwy ends close together with multiple hold lines that are dependent upon the rwy(s) in use. (SEE INSET)
MIAMI		
MIAMI-OPA LOCKA EXEC (OPF)	HS 1	Short taxi ramp to rwy risk. Large pavement area with only sfc painted location and direction signs.
NAPLES		
NAPLES MUNI (APF)	HS 1	Maint vigilance confusing twy int.
NEW SMYRNA BEACH		
NEW SMYRNA BEACH MUNI (EVV)	HS 1	Two closely spaced hold lines on Twy E for Rwy 25 and Rwy 20.
	HS 2	Maint vigilance Twy B, Twy E and Rwy 20 complex Twy/Rwy int.
ORLANDO		
EXEC (ORL)	HS 1	Maint vigilance during taxi due to converging taxiways to avoid pilot confusion.
ORLANDO		
ORLANDO SANFORD INTL (SFB)	HS 1	Maint vigilance Twy C and Rwy 27C markings often confused.
PENSACOLA		
PENSACOLA INTL (PNS)	HS 1	Be alert to multiple twy and rwy crossing points surrounding the int of Rwy 17-35 and Rwy 08-26.
POMPANO BEACH		
POMPANO BEACH AIRPARK (PMP)	HS 1	Maint vigilance confusing twy configuration.
	HS 2	Maint vigilance confusing twy configuration.
SARASOTA/BRADENTON		
SARASOTA/BRADENTON INTL (SRQ)	HS 1	Be alert to multiple twy and rwy crossing points surrounding the intersection of Rwy 14-32 and Rwy 04-22.
ST AUGUSTINE		
NORTHEAST FLORIDA RGNL (SGJ)	HS 1	Maint vigilance ramp/twy close proximity to rwy.
	HS 2	Maint vigilance ramp close proximity to Rwy 02 and Rwy 06 possible wrong sfc departure.
	HS 3	Maint vigilance APCH hold bar not where expected.
ST PETERSBURG-CLEARWATER		
ST PETE-CLEARWATER INTL (PIE)	HS 1	Maint vigilance ramp/twy close proximity to Hold Short at Rwy 04/22.
STUART		
WITHAM FLD (SUA)	HS 1	Intersecting rwys, wrong rwy departure risk. (Check rwy alignment.)
	HS 2	Rwy 12 and Twy A1.
TALLAHASSEE		
TALLAHASSEE INTL (TLH)	HS 1	Maint vigilance due to multiple converging twys.
TITUSVILLE		
SPACE COAST RGNL (TIX)	HS 1	Maint vigilance confusing twy int.
VERO BEACH		
VERO BEACH RGNL (VRB)	HS 1	Maint vigilance, pilots missing Rwy 04-22 hold short lines on Twy C.
WEST PALM BEACH		
PALM BEACH INTL (PBI)	HS 1	Runway 10L hold short line on Twy L is located prior to the bend in the Twy.
	HS 2	Act NW-bound on Twy F missing left turn onto Twy L.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
<b>GEORGIA</b>		
ATLANTA		
DEKALB-PEACHTREE (PDK)	HS 1	Southbound tfc on Twy B will miss the turn onto Twy A when assigned Rwy 03L or Rwy 03R.
	HS 2	Pilots expecting Rwy 03R often fail to hold at Rwy 03L.
ATLANTA		
HARTSFIELD – JACKSON ATLANTA INTL (ATL)	HS 1	Intersections of Twy C and Twy D at Rwy 08L–26R. Hold short line is only 250' after exiting the FBO ramp. Rwy hold bar is canted which peaks towards the twy.
	HS 2	Intersections of Twy C and Twy D at Rwy 08R–26L. Caution transitioning between the parallel rwys. Rwy hold bar is canted which peaks towards the twy. Rwy hold short line is only 380' away after exiting Rwy 08L–26R and 70' south of the Twy B centerline.
AUGUSTA		
AUGUSTA RGNL AT BUSH FLD (AGS)	HS 1	Int of Twy E and Rwy 17–35.
COLUMBUS		
COLUMBUS (CSG)	HS 1	Remain vigilant converging twy geometry.
	HS 2	Remain vigilant to direc signage and pavement markings in the area.
SAVANNAH		
SAVANNAH/HILTON HEAD INTL (SAV)	HS 1	Twy E from AER 28 to about 310' west on Twy E not visible from ATCT.
	HS 2	Twy A from Rwy 01 apch end to about 900' north on Twy A not visible from ATCT.
<b>KENTUCKY</b>		
COVINGTON		
CINCINNATI/NORTHERN KENTUCKY INTL (CVG)	HS 1	Be alert to multiple twy crossing points surrounding the intersection of Rwy 18C–36C and Rwy 09–27.
	HS 2	Maint vigilance Twy D2 close proximity to 18C–36C and non movement area.
LEXINGTON		
BLUE GRASS (LEX)	HS 1	Rwy 27 apch hold occurs prior to Rwy 22 hold line, and only applies when instructed by ATC.
LOUISVILLE		
BOWMAN FLD (LOU)	HS 1	Acft operating near Rwy 06–24, Rwy 15–33 at midfield are in close proximity to intersecting/crossing rwy and twys.
LOUISVILLE		
LOUISVILLE MUHAMMAD ALI INTL (SDF)	HS 1	Frequent crossings Rwy 17L–35R at Twy G – required to gain access to full length of Rwy 35R. Frequent crossings of Rwy 29 at Twy D.
	HS 2	Frequent crossings at Twy B and Twy C during Rwy 29 ops.
OWENSBORO		
OWENSBORO/DAVISS CO RGNL (OWB)	HS 1	Northbound tfc on Twy C must remain alert so as to not mistake Rwy 06–24 for a parallel twy. First right turn on Twy C from ramp area is Twy E.
PADUCAH		
BARKLEY RGNL (PAH)	HS 1	Rwy 14–32 at Twy F: Short taxi risk after turning on Twy F.
<b>NORTH CAROLINA</b>		
ASHEVILLE		
ASHEVILLE RGNL (AVL)	HS 1	Ltd vis of Twy A btn A5 and A6 from the twr.
CHARLOTTE		
CHARLOTTE/DOUGLAS INTL (CLT)	HS 1	Confusing intersection due to the convergence of Twy R, Twy A, Twy C and Twy C9 along with grass island.
	HS 2	Pilots exiting Rwy 18C–36C on Twy S for either Twy E or Twy F mistakenly turn left on Twy E5 and reenter the rwy.
	HS 3	Maint vigilance northbound on Twy C approaching Twy C10 twy signs not aligned, allow for wingtip clnc with tfc exiting Rwy 36R at Twy C10.



## AIRPORT DIAGRAMS

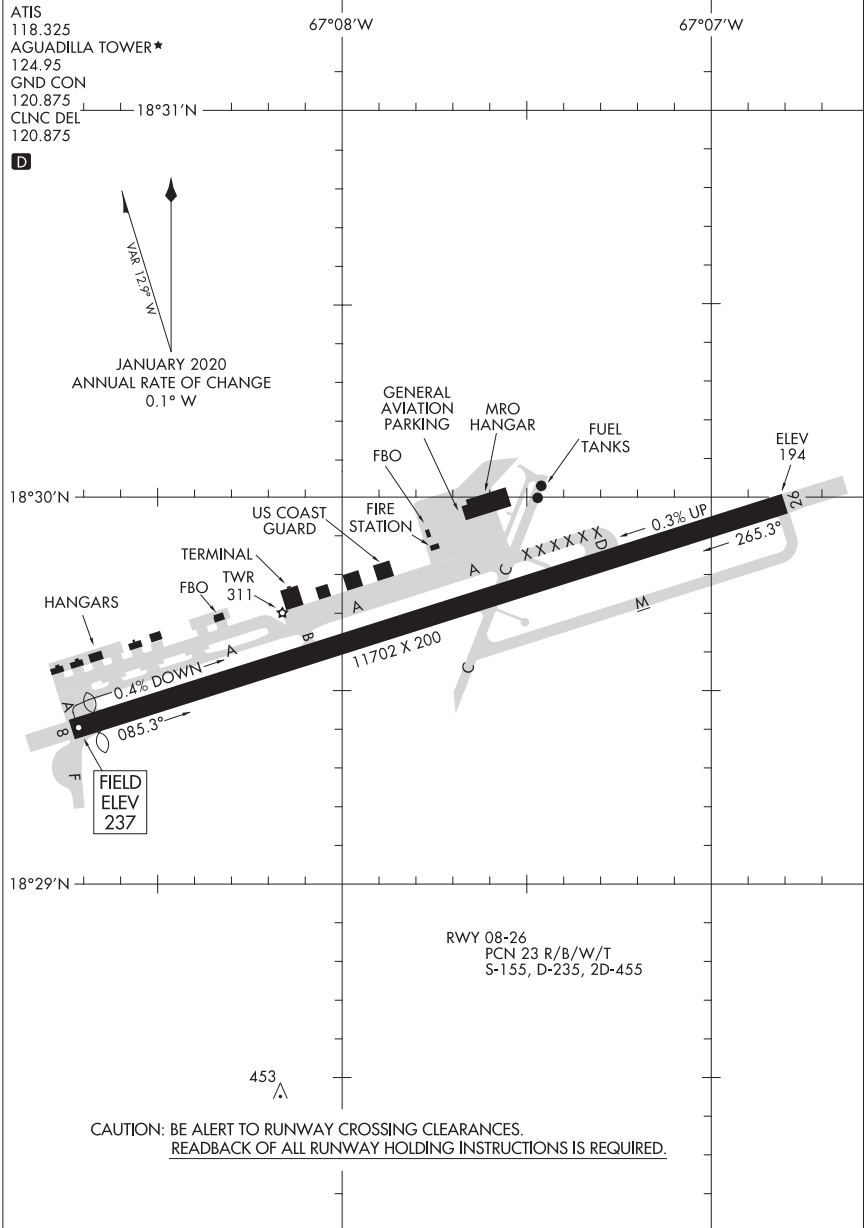
CITY/AIRPORT	HOT SPOT	DESCRIPTION
GREENSBORO PIEDMONT TRIAD INTL (GSO)	HS 1	Maint vigilance confusing twy, turn rgt onto Twy K6, only cargo N of Twy K6
RALEIGH/DURHAM RALEIGH-DURHAM INTL (RDU) WILMINGTON WILMINGTON INTL (ILM)	HS 1	Intersection of Rwy 05R-23L and Twy C.
SAN JUAN LUIS MUNOZ MARIN INTL (SJU)	HS 1 HS 2	Maint vigilance highly congested area. Maint vigilance highly congested area.
<b>PUERTO RICO</b>		
<b>SOUTH CAROLINA</b>		
CHARLESTON CHARLESTON AFB/INTL (CHS)	HS 1 HS 2	Twy A and Twy F and Rwy 15-33 confusing int. Maint vigilance when crossing Rwy 21 to Twy A or Twy A1 fr Twy E.
COLUMBIA COLUMBIA METRO (CAE)	HS 1 HS 2 HS 3	When assigned Rwy 23 for departure, eastbound t/c on Twy A miss turn onto Twy C and enter Rwy 23 by mistake. Maintain vigilance due to Twy geometry. Twy D enters Rwy 29 behind thld. Twy D7 requires acft to turn parl to Rwy 29 prior to Twy D. Acft exiting Rwy 11-29 maint vigilance as hold posn markings are N of Twy F and Twy A6.
FLORENCE FLORENCE RGNL (FLO)	HS 1	Be aware, when taxing eastbound on Twy B3, pilots sometimes miss turn onto Twy B and enter Rwy 01/19 w/o authorization.
GREENVILLE GREENVILLE DOWNTOWN (GMU)	HS 1	Maint vigilance complex rwy and twy int.
<b>TENNESSEE</b>		
KNOXVILLE MC GHEE TYSON (TYS)	HS 1 HS 2	Holding position marking for full len of Rwy 23L just beyond Twy A8 on Twy A. Ramp exit Twy R5 short dist from Twy A and Rwy 05R-23L. Pilots miss turn onto Twy A.
MEMPHIS MEMPHIS INTL (MEM)	HS 1 HS 2	Two hold lines on Twy B: East of Twy S is 18C APCH; West of Twy S is rwy hold. Twy departure risk: mistaking Twy M for Rwy 36L.
NASHVILLE NASHVILLE INTL (BNA)	HS 1 HS 2 HS 3	Maint vigilance as hold bars at Twy T3/Twy K int and Twy K west of Twy T4 protect Rwy 20C arrivals. Maint vigilance as Twy S is often mistaken for RWY 20C departure surface. When taxiing to Rwy 02R, Keep left at the Twy L and Twy L8 split.
SMYRNA SMYRNA (MQY)	HS 1 HS 2 HS 3	Maint vigilance direct access fr ramps to both rwys and hi volume ops. Maint vigilance hi volume ops. Maint vigilance Hold Short Lines further back than expected.

23222

AIRPORT DIAGRAM

AL-1016 (FAA)

RAFAEL HERNANDEZ (BQN) (TJBQ)  
AGUADILLA, PUERTO RICO



AIRPORT DIAGRAM

23222

AGUADILLA, PUERTO RICO  
RAFAEL HERNANDEZ (BQN) (TJBQ)

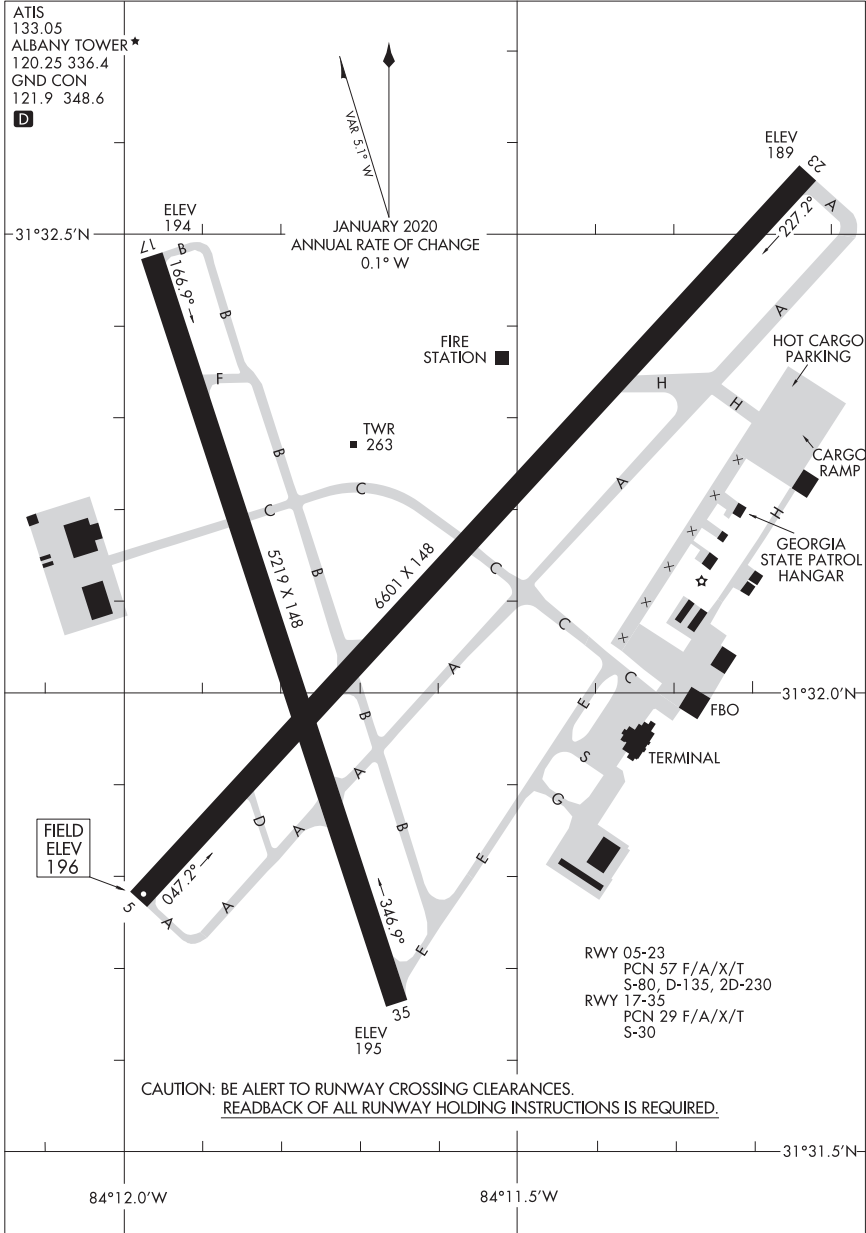
21112

AIRPORT DIAGRAM

SOUTHWEST GEORGIA RGNL (ABY)

AL-8 (FAA)

ALBANY, GEORGIA



AIRPORT DIAGRAM

21112

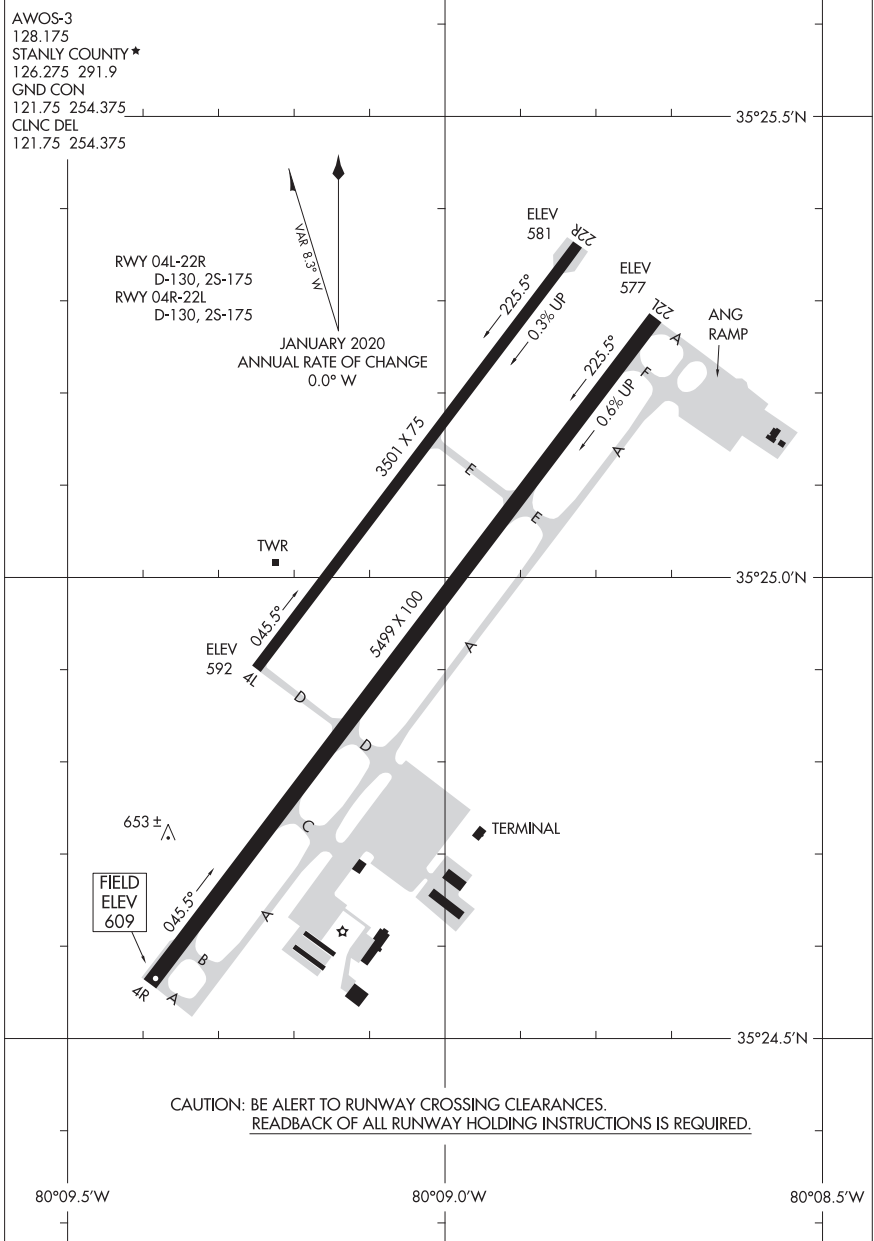
SOUTHWEST GEORGIA RGNL (ABY)  
ALBANY, GEORGIA

20086

AIRPORT DIAGRAM

AL-6707 (FAA)

STANLY COUNTY (VUJ)  
ALBEMARLE, NORTH CAROLINA



AIRPORT DIAGRAM

20086

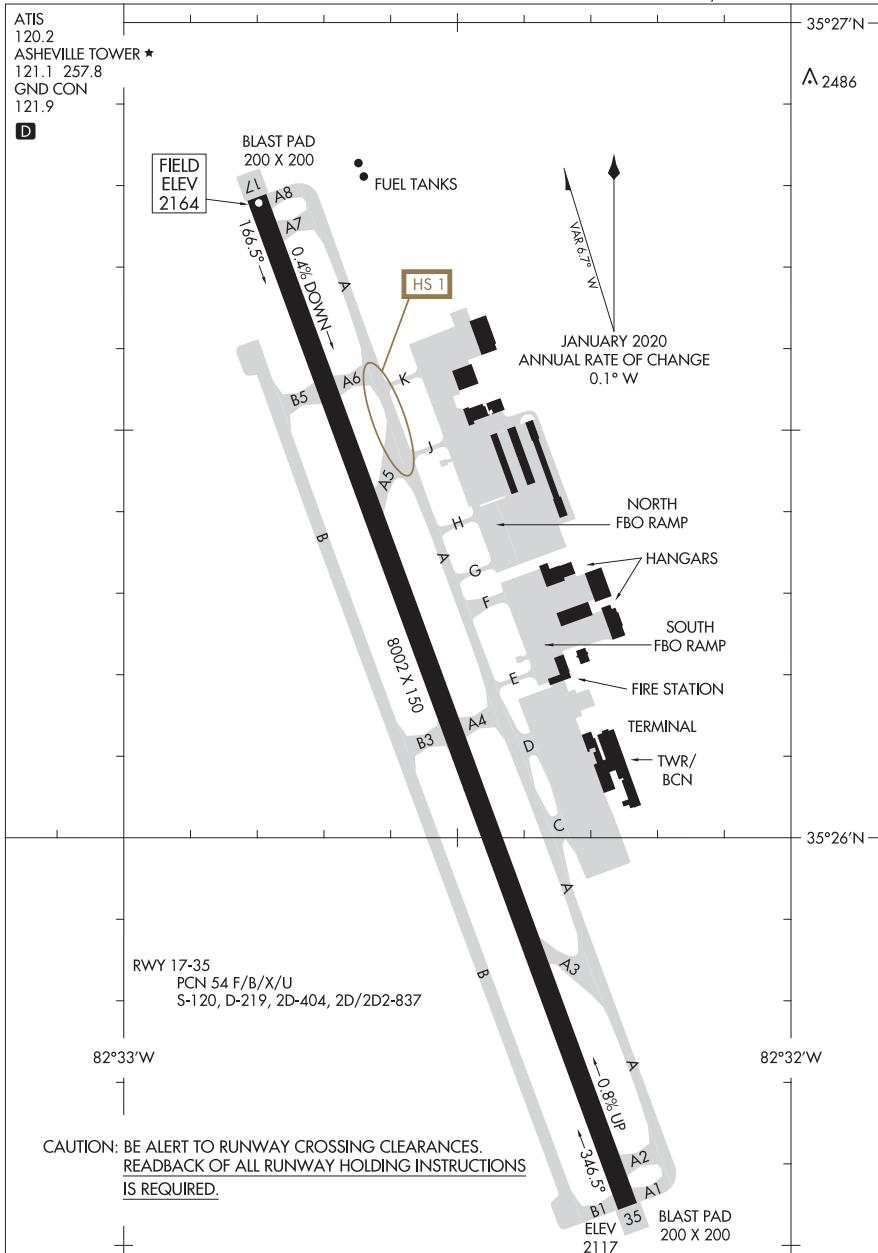
ALBEMARLE, NORTH CAROLINA  
STANLY COUNTY (VUJ)

23110

AIRPORT DIAGRAM

AL-5061 (FAA)

ASHEVILLE RGNL (AVL)  
ASHEVILLE, NORTH CAROLINA



AIRPORT DIAGRAM

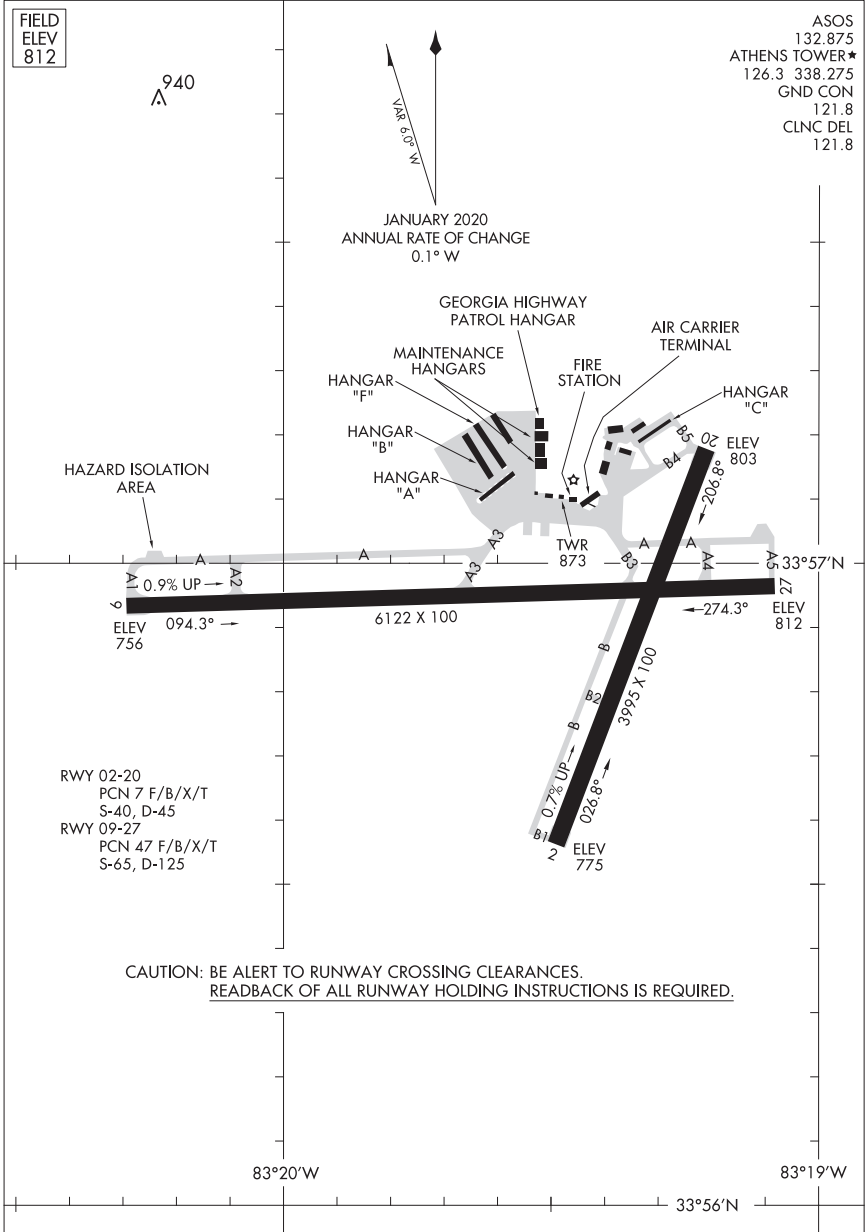
23110

ASHEVILLE, NORTH CAROLINA  
ASHEVILLE RGNL (AVL)

21168

AIRPORT DIAGRAM

ATHENS/BEN EPPS (AHN)  
ATHENS, GEORGIA



AIRPORT DIAGRAM

21168

ATHENS, GEORGIA  
ATHENS/BEN EPPS (AHN)

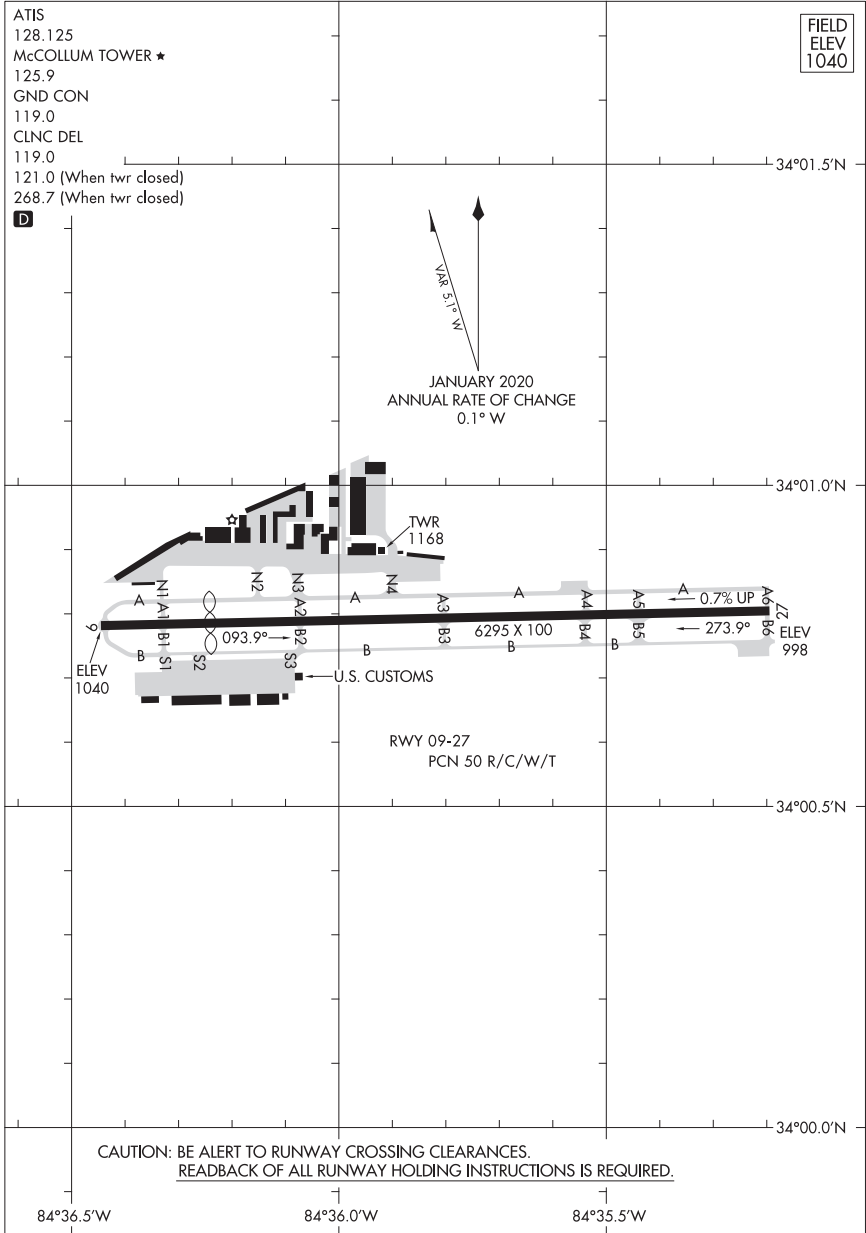
22307

AIRPORT DIAGRAM

COBB COUNTY INTL/MCCOLLUM FLD (R.Y.Y)

AL-6424 (FAA)

ATLANTA, GEORGIA



AIRPORT DIAGRAM

22307

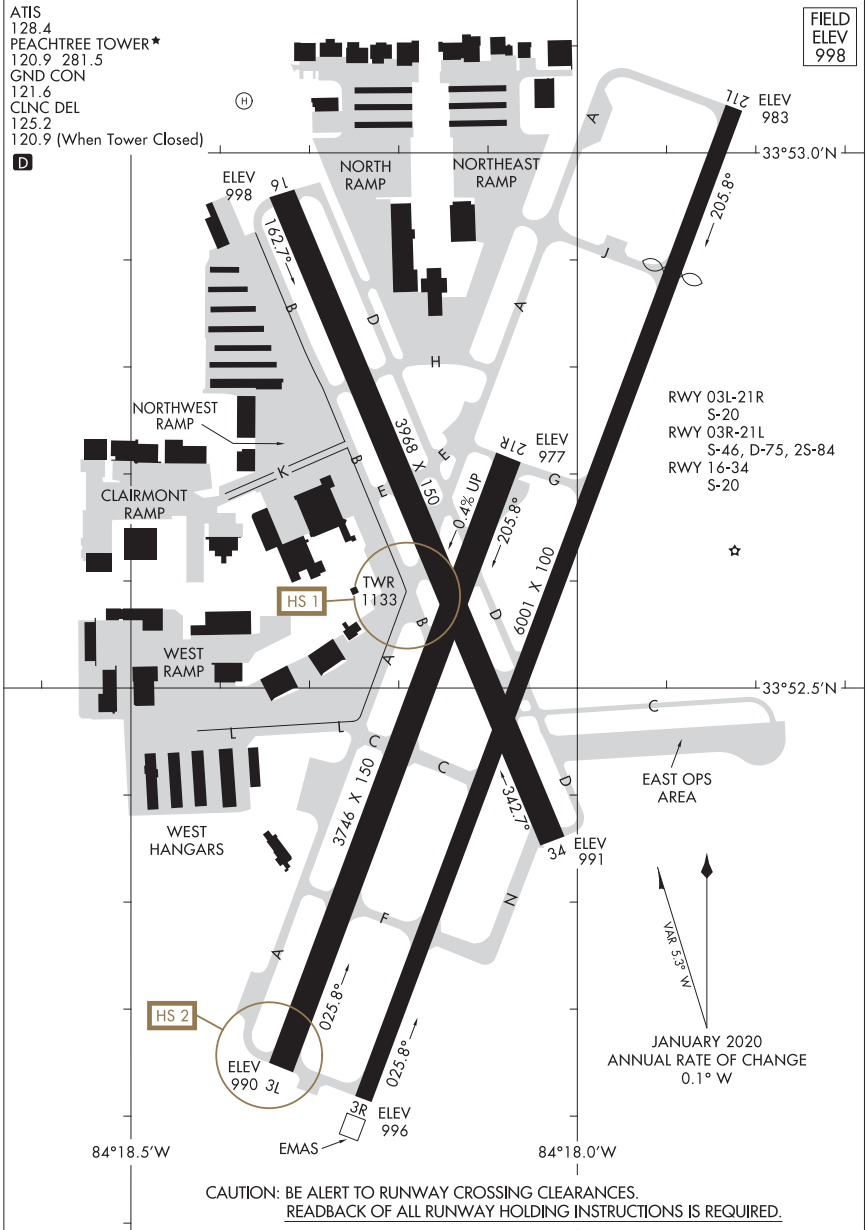
ATLANTA, GEORGIA  
COBB COUNTY INTL/MCCOLLUM FLD (R.Y.Y)

23334

AIRPORT DIAGRAM

AL-469 (FAA)

DEKALB-PEACHTREE (PDK)  
ATLANTA, GEORGIA



AIRPORT DIAGRAM

23334

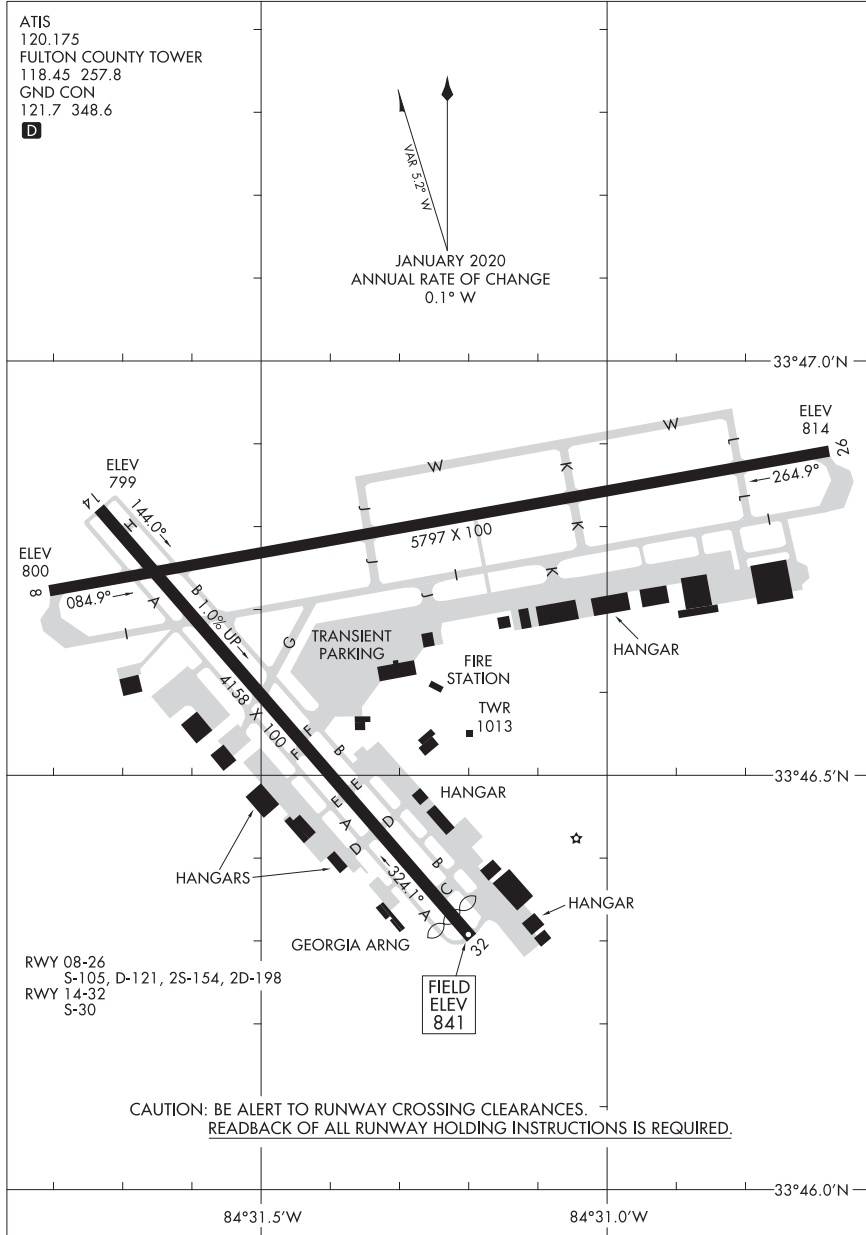
ATLANTA, GEORGIA  
DEKALB-PEACHTREE (PDK)



22363

# AIRPORT DIAGRAM

FULTON COUNTY EXEC/CHARLIE BROWN FLD (F'TY)  
AL-745 (FAA) ATLANTA, GEORGIA



# AIRPORT DIAGRAM

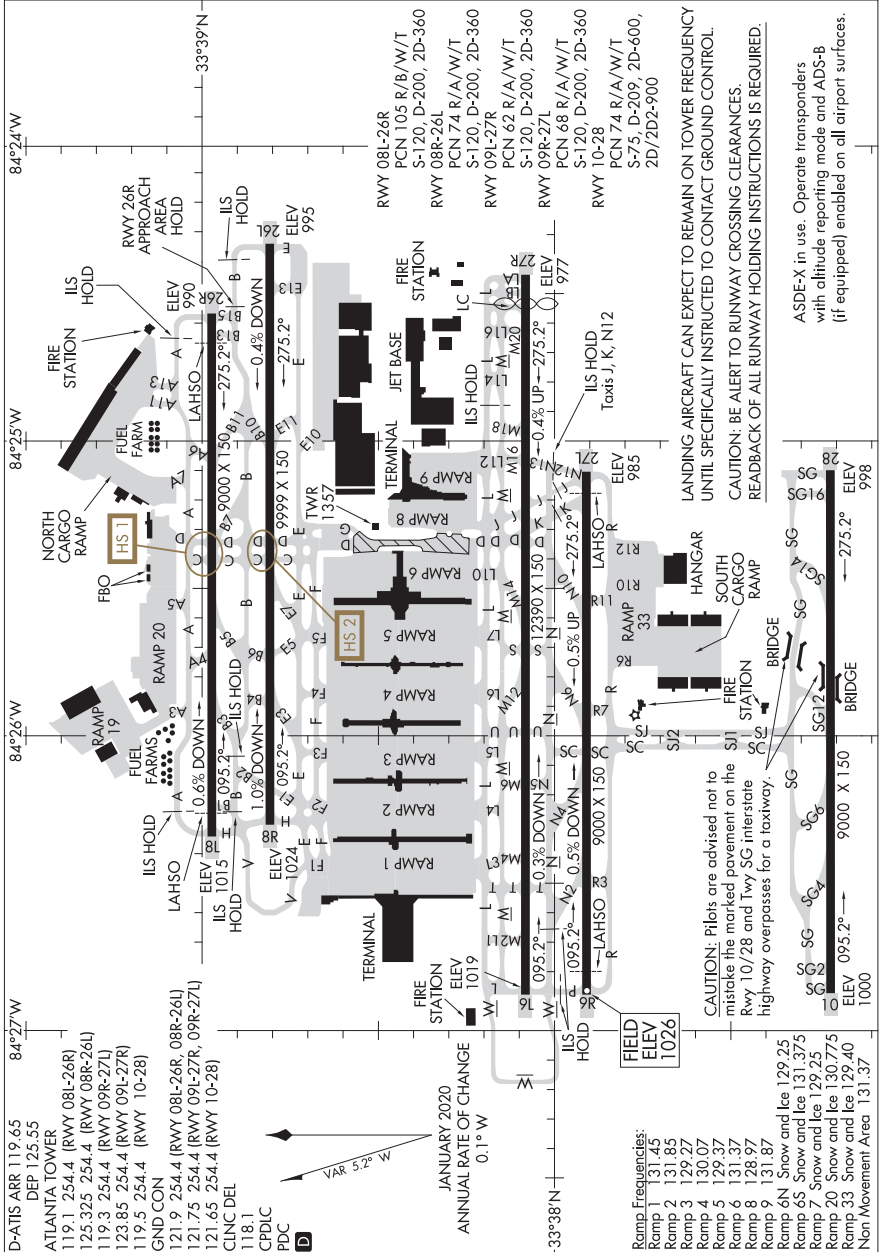
22363

FULTON COUNTY EXEC/CHARLIE BROWN FLD (F'TY)  
ATLANTA, GEORGIA

24025

AIRPORT DIAGRAM

HARTSFIELD - JACKSON ATLANTA INTL (ATL)  
AL-26 (FAA)  
ATLANTA, GEORGIA



AIRPORT DIAGRAM  
24025

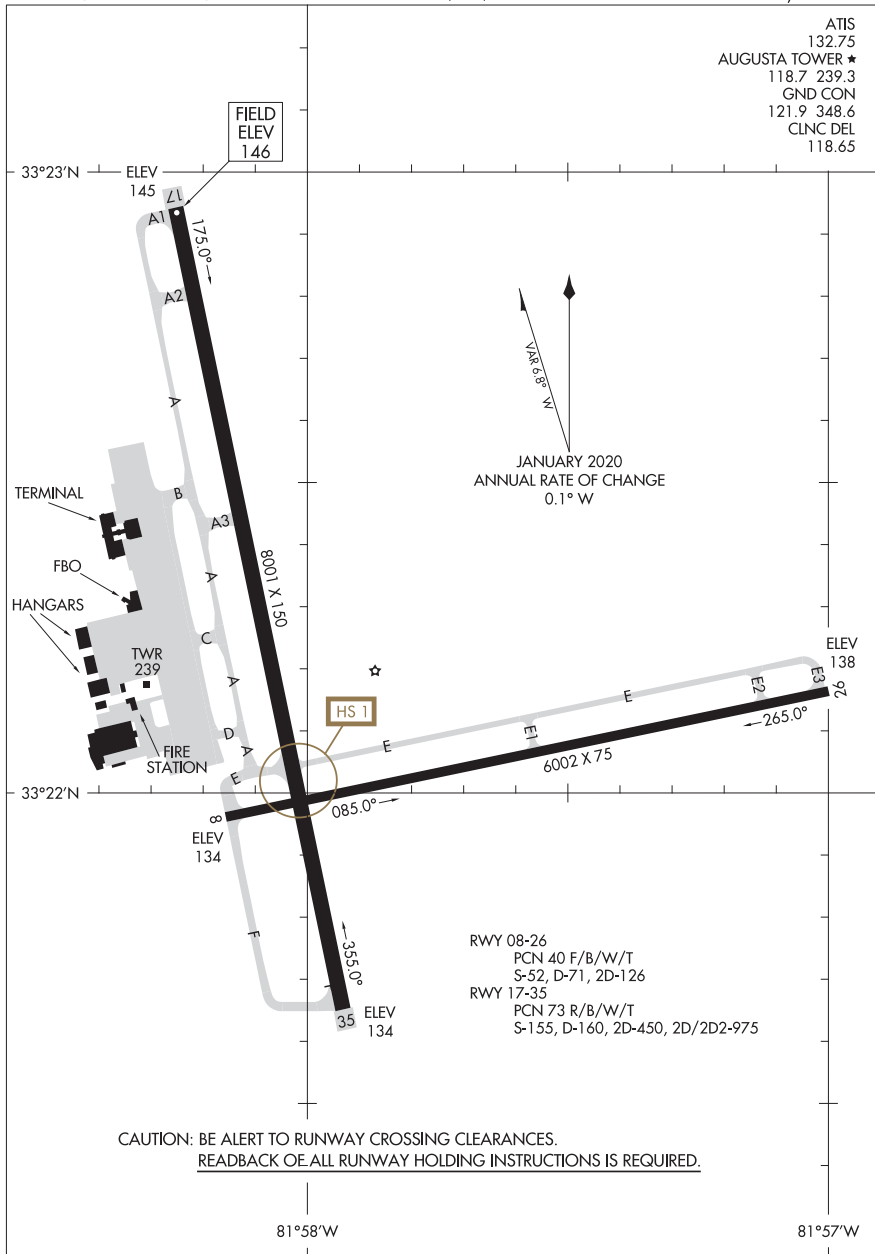
ATLANTA, GEORGIA  
HARTSFIELD - JACKSON ATLANTA INTL (ATL)

23110

AIRPORT DIAGRAM

AL-27 (FAA)

AUGUSTA RGNL AT BUSH FLD (AGS)  
AUGUSTA, GEORGIA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

23110

AUGUSTA, GEORGIA  
AUGUSTA RGNL AT BUSH FLD (AGS)

23278

AIRPORT DIAGRAM

AL-5838 (FAA)

BARTOW EXEC (BOW)

BARTOW, FLORIDA

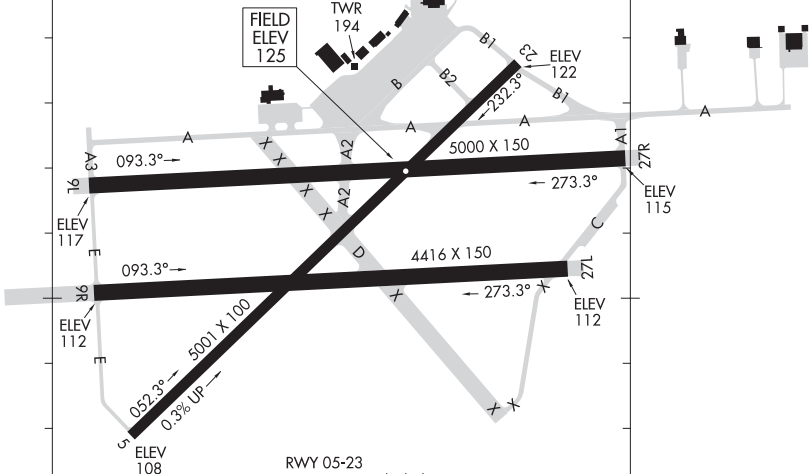
AWOS-3  
123.775  
BARTOW TOWER ★  
121.2  
GND CON  
121.9

△ 283

↖ VARS 5.3° W  
JANUARY 2020  
ANNUAL RATE OF CHANGE  
0.1° W

☆ 205±

27°57.0'N



RWY 05-23  
PCN 27 F/A/X/T  
S-35, D-60, 2D-110  
RWY 09L/27R  
PCN 48 F/A/W/T  
RWY 09R/27L  
PCN 6 F/A/Y/T

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

81°47.5'W

81°46.5'W

27°56.0'N

AIRPORT DIAGRAM

23278

BARTOW, FLORIDA

BARTOW EXEC (BOW)

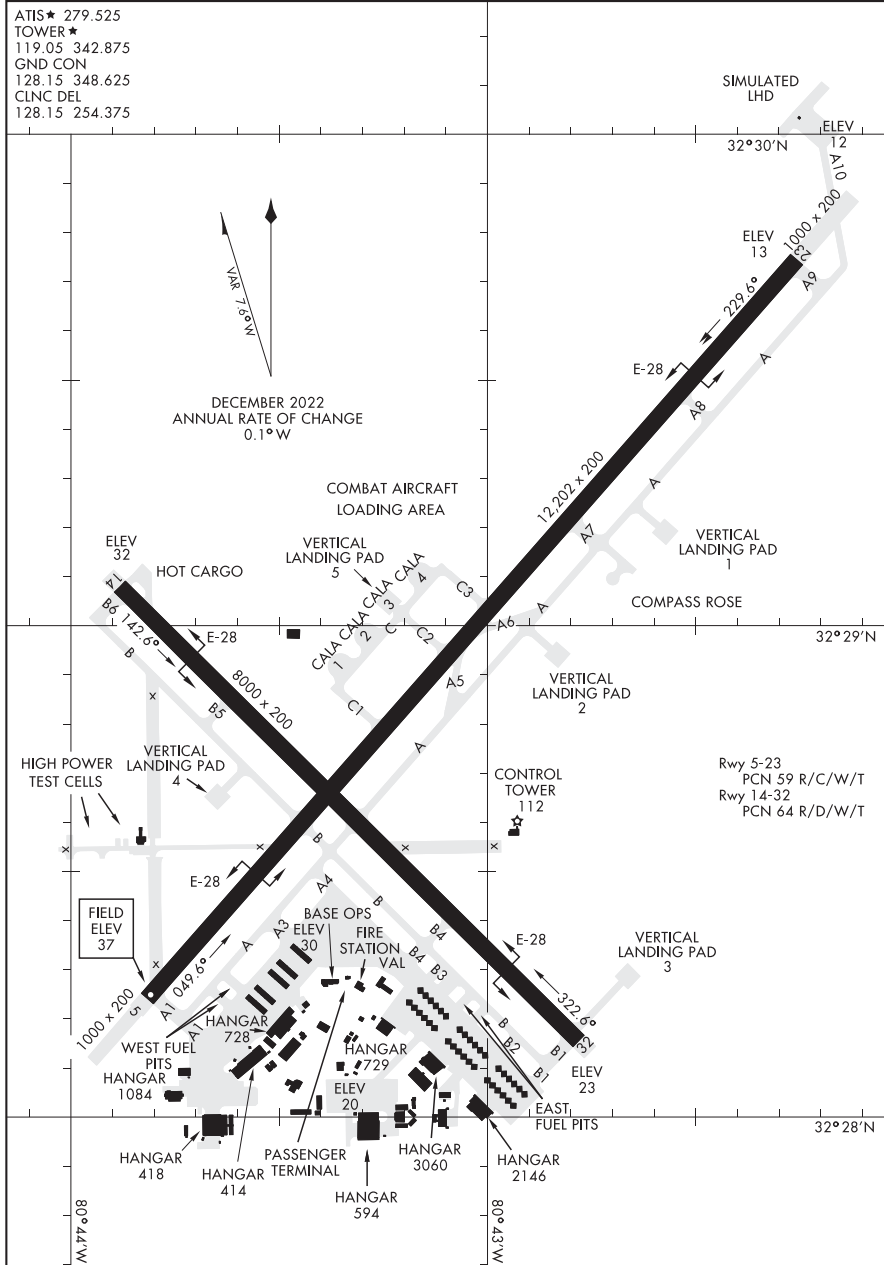
23334

BEAUFORT MCAS (MERRITT FLD) (KNBC)

# AIRPORT DIAGRAM

[USN]

BEAUFORT, SOUTH CAROLINA



# AIRPORT DIAGRAM

BEAUFORT, SOUTH CAROLINA

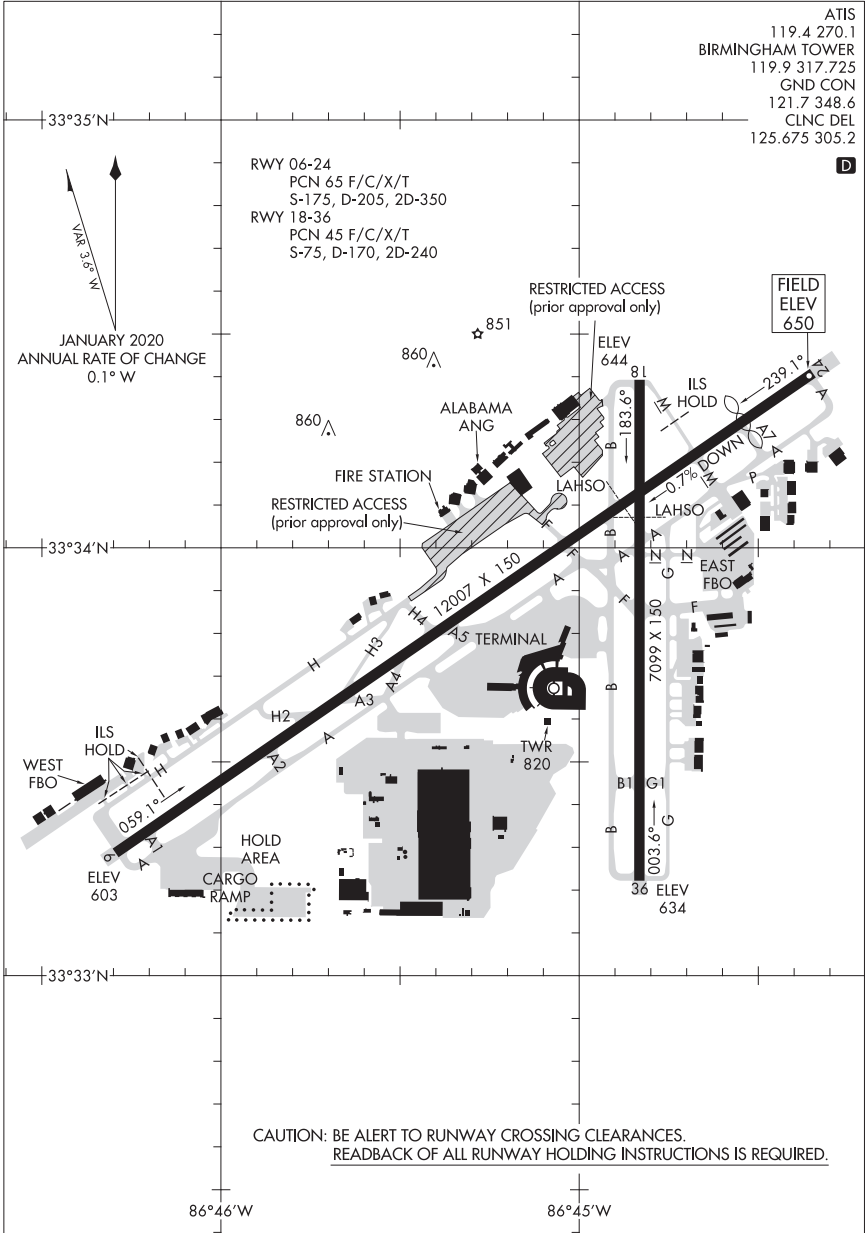
BEAUFORT MCAS (MERRITT FLD) (KNBC)

23222

AIRPORT DIAGRAM

AL-50 (FAA)

BIRMINGHAM-SHUTTLESWORTH INTL (BHM)  
BIRMINGHAM, ALABAMA



ATIS 119.4 270.1  
 BIRMINGHAM TOWER 119.9 317.725  
 GND CON 121.7 348.6  
 CLNC DEL 125.675 305.2

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
 READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM  
 23222

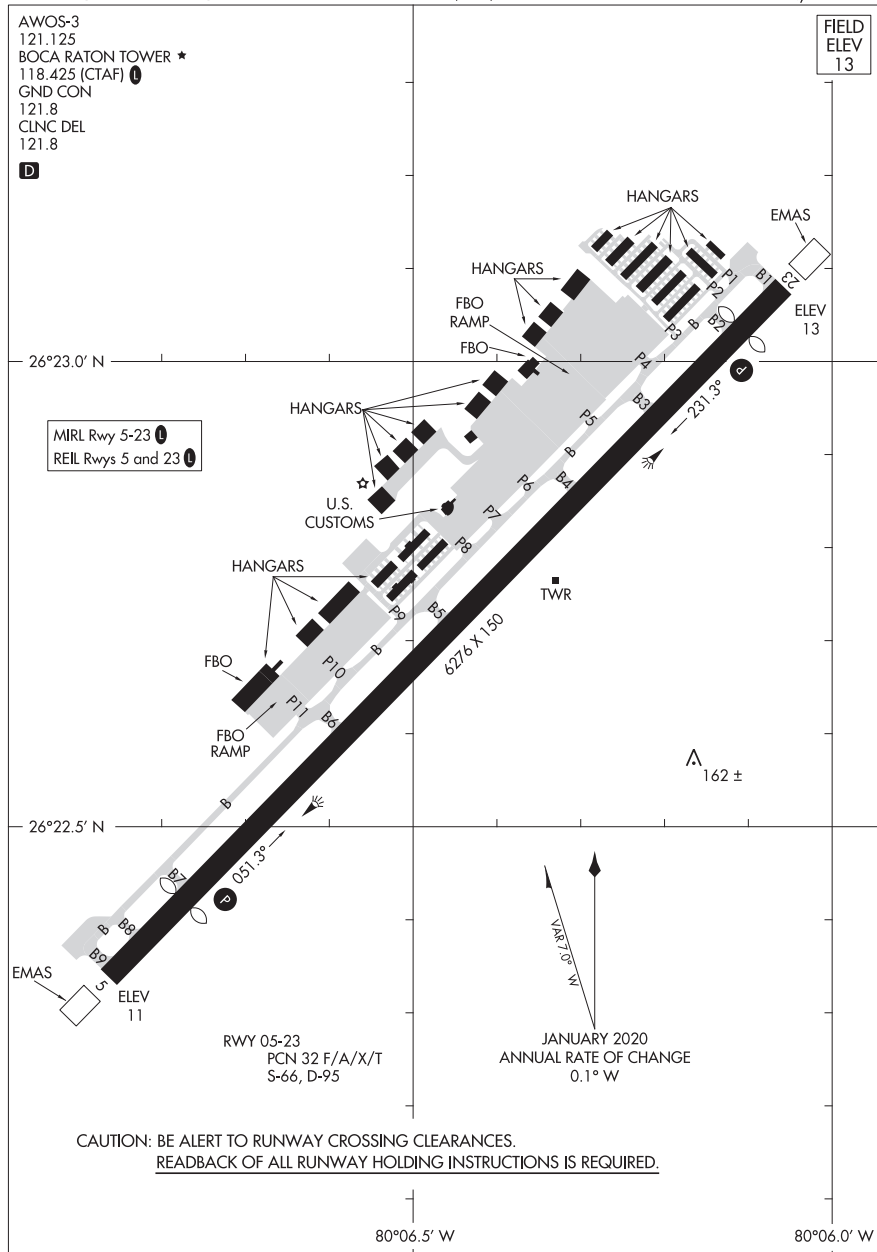
BIRMINGHAM, ALABAMA  
 BIRMINGHAM-SHUTTLESWORTH INTL (BHM)

23334

# AIRPORT DIAGRAM

AL-560 (FAA)

BOCA RATON (BCT)  
BOCA RATON, FLORIDA



# AIRPORT DIAGRAM

23334

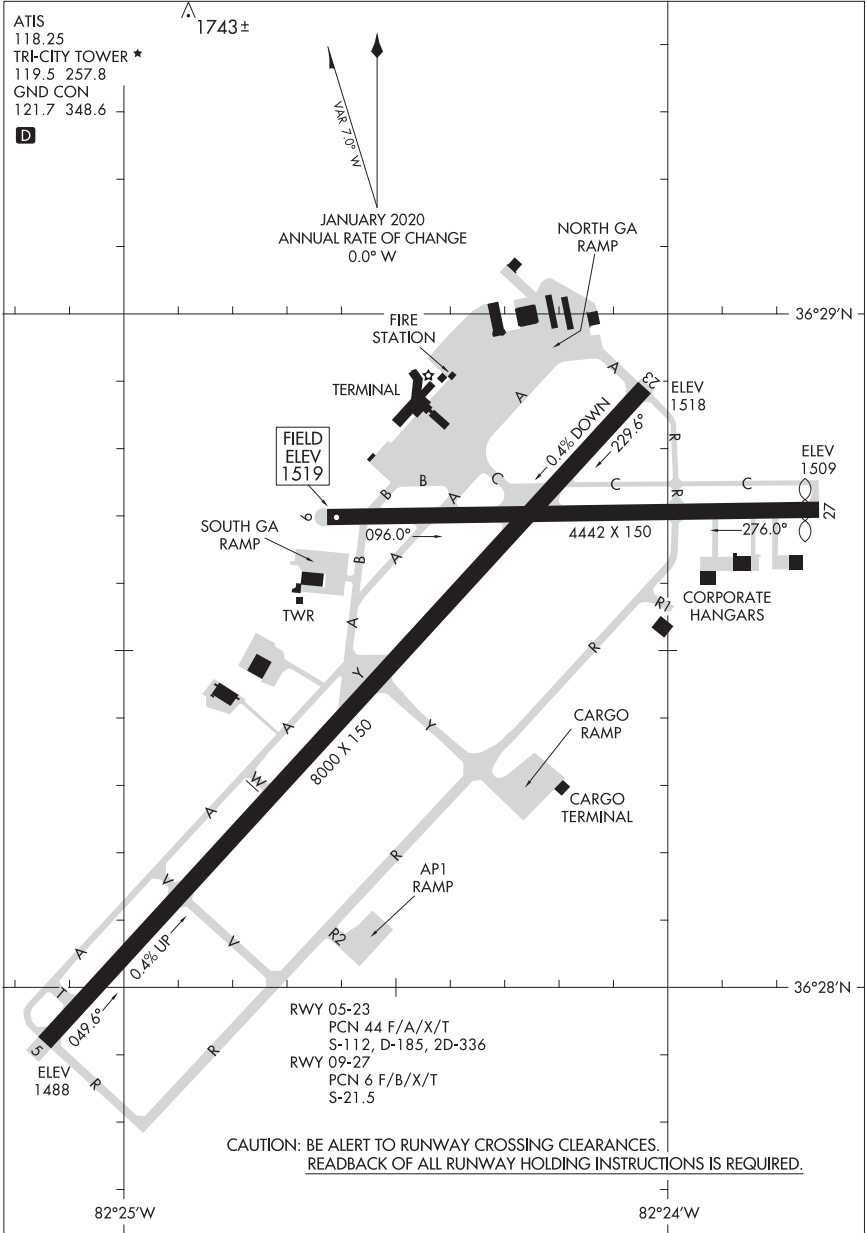
BOCA RATON, FLORIDA  
BOCA RATON (BCT)

23278

AIRPORT DIAGRAM

AL-426 (FAA)

TRI-CITIES (TRI)  
BRISTOL/JOHNSON/KINGSPORT, TENNESSEE



AIRPORT DIAGRAM

23278

BRISTOL/JOHNSON/KINGSPORT, TENNESSEE  
TRI-CITIES (TRI)



23054

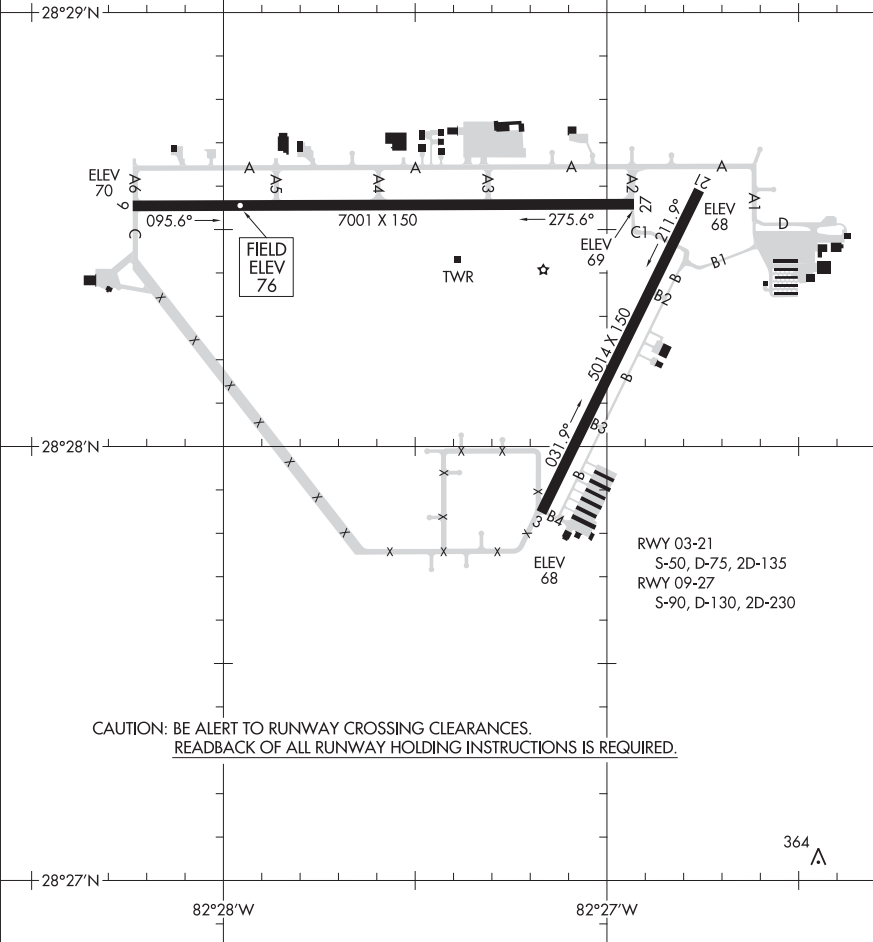
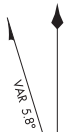
BROOKSVILLE-TAMPA BAY RGNL (BKV)

AIRPORT DIAGRAM

AL-6210 (FAA)

BROOKSVILLE, FLORIDA

ASOS  
 134.725  
 BROOKSVILLE TOWER ★  
 118.55  
 GND CON  
 121.4  
 CLNC DEL  
 119.125 (When Tower Closed)



RWY 03-21  
 S-50, D-75, 2D-135  
 RWY 09-27  
 S-90, D-130, 2D-230

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
 READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

364 ▲

AIRPORT DIAGRAM

BROOKSVILLE, FLORIDA

23054

BROOKSVILLE-TAMPA BAY RGNL (BKV)

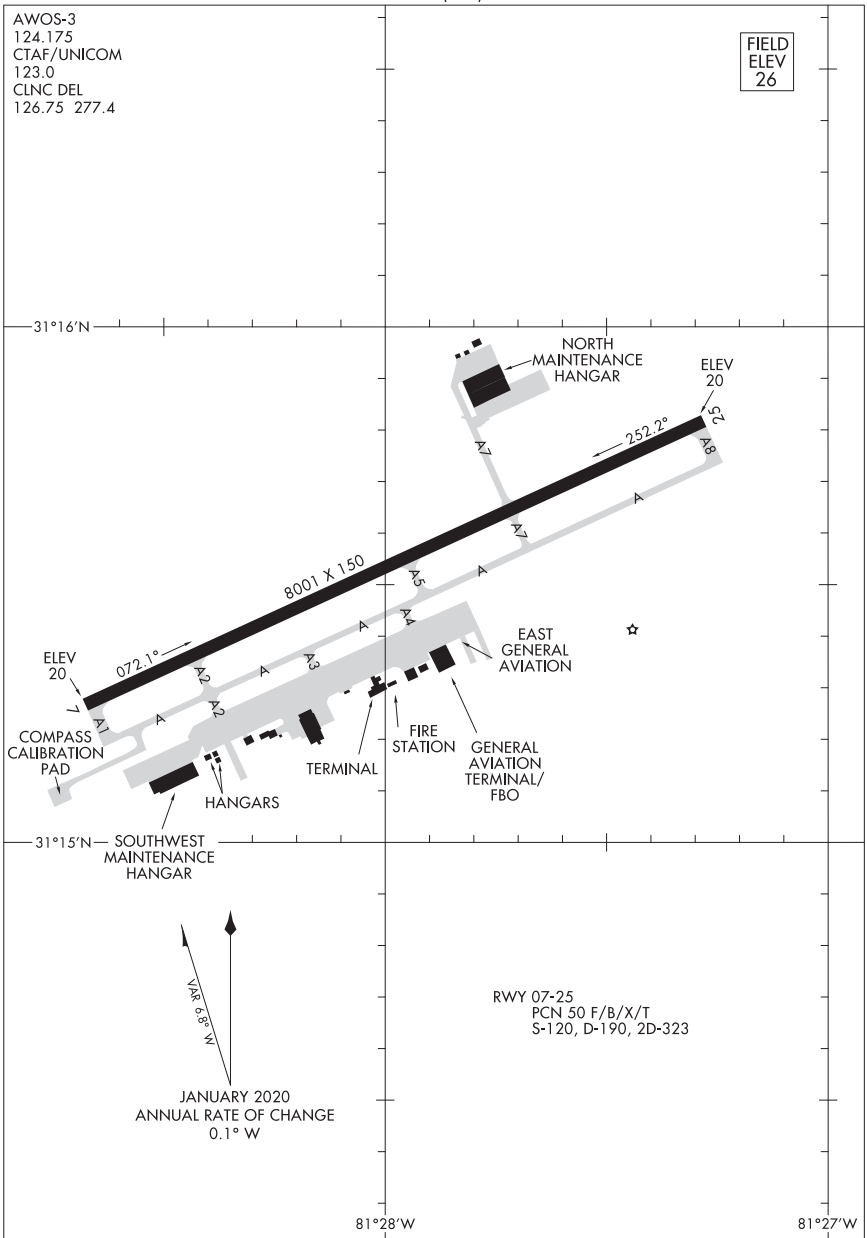
22083

BRUNSWICK GOLDEN ISLES (BQK)

AIRPORT DIAGRAM

AL-167 (FAA)

BRUNSWICK, GEORGIA



AIRPORT DIAGRAM

22083

BRUNSWICK, GEORGIA

BRUNSWICK GOLDEN ISLES (BQK)

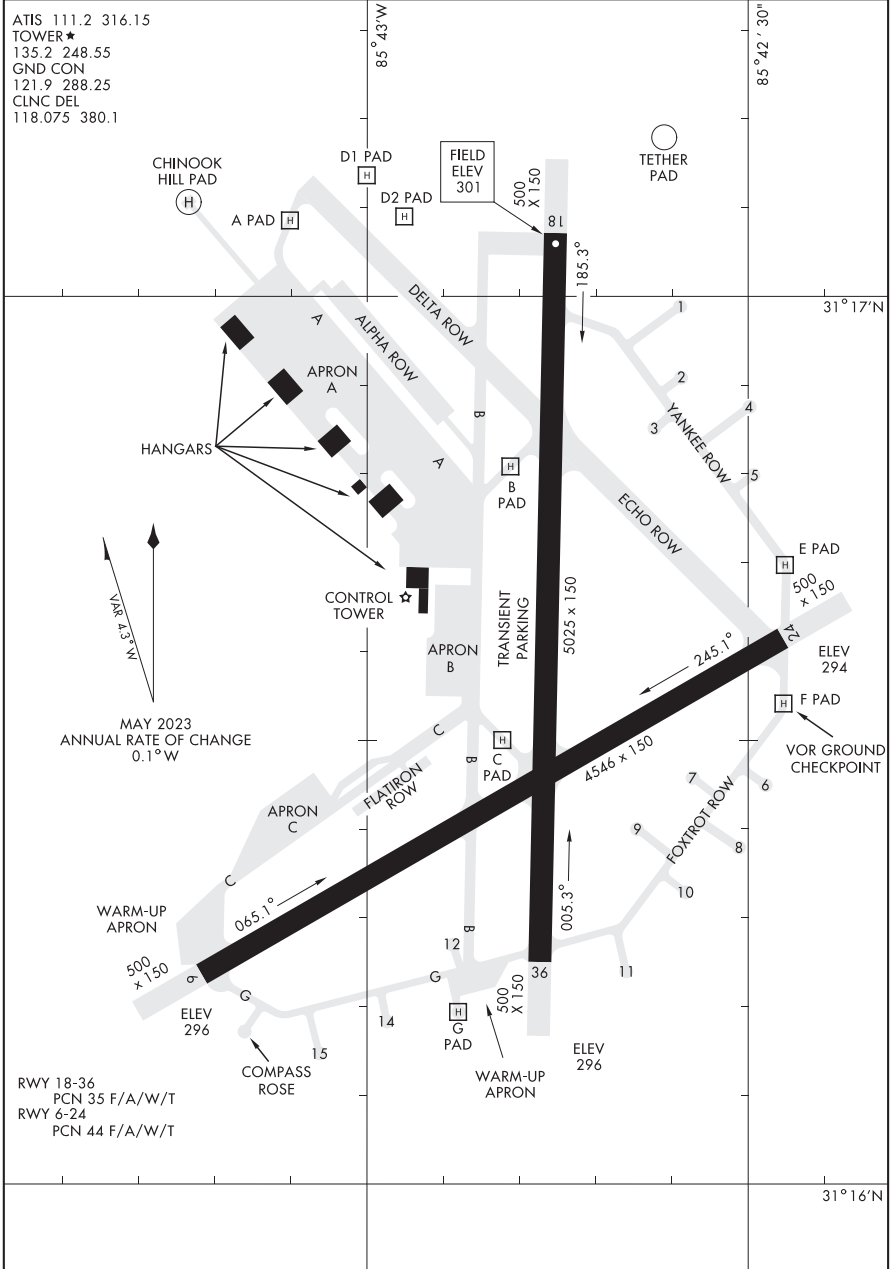
23138

AIRPORT DIAGRAM

AL-577 [USA]

CAIRNS AAF (KOZR)

FORT NOVOSEL, ALABAMA



AIRPORT DIAGRAM

FORT NOVOSEL, ALABAMA

CAIRNS AAF (KOZR)

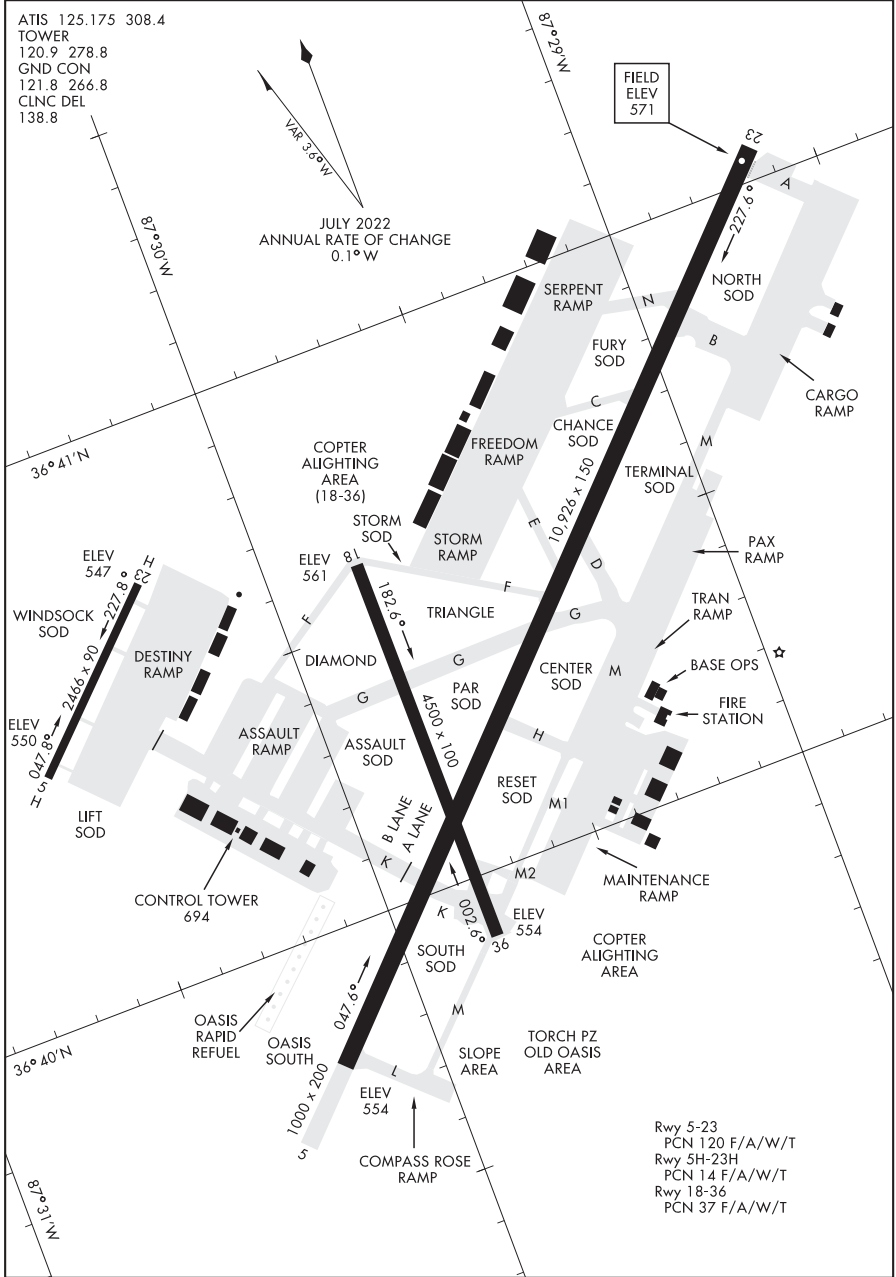
22195

CAMPBELL AAF (KHOP)

AIRPORT DIAGRAM

AL-679 [USA]

FORT CAMPBELL, KENTUCKY



AIRPORT DIAGRAM

FORT CAMPBELL, KENTUCKY  
 CAMPBELL AAF (KHOP)

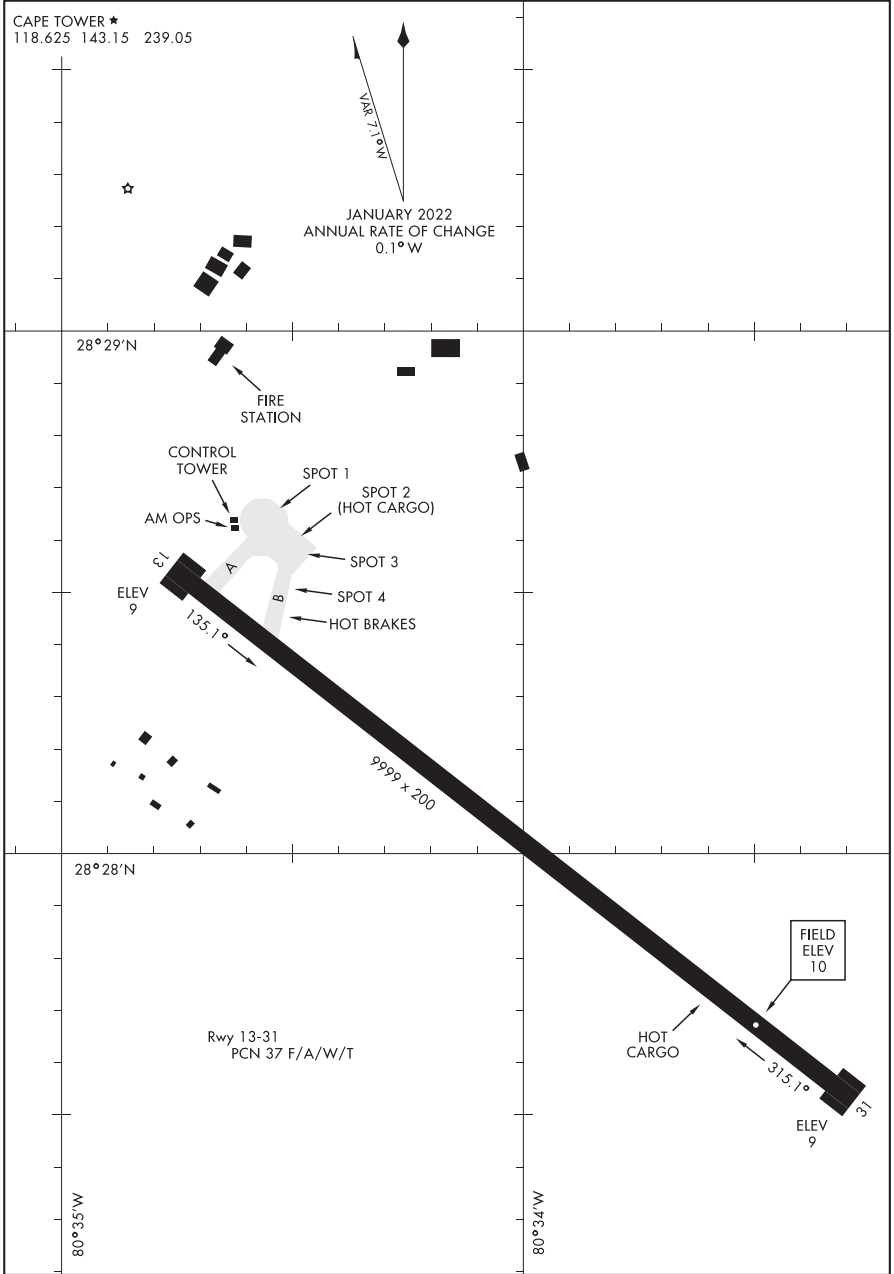
22027

CAPE CANAVERAL SFS SKID STRIP (KXMR)

# AIRPORT DIAGRAM

AL-51.57 [USSF]

COCOA BEACH, FLORIDA



# AIRPORT DIAGRAM

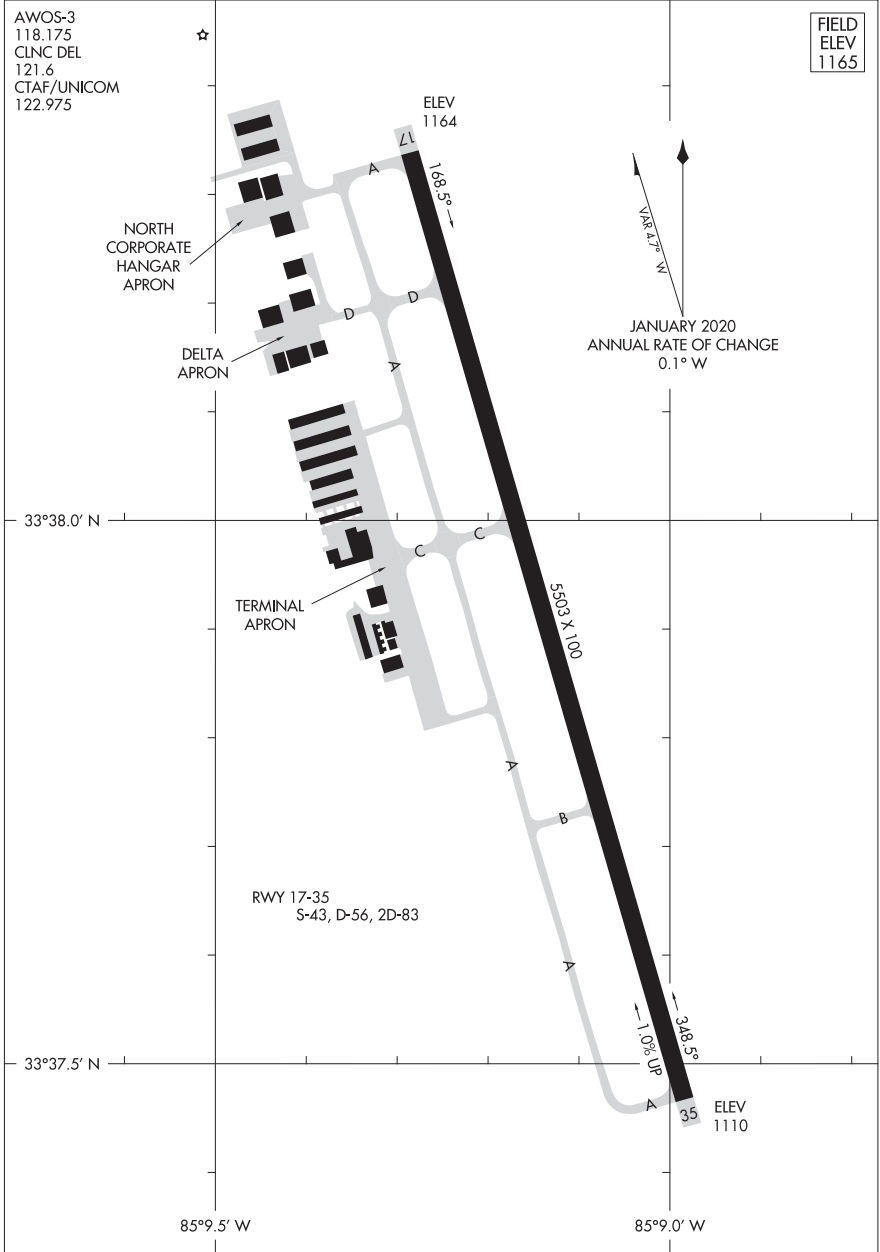
COCOA BEACH, FLORIDA  
CAPE CANAVERAL SFS SKID STRIP (KXMR)

23110

AIRPORT DIAGRAM

AL-6016 (FAA)

WEST GEORGIA RGNL - O V GRAY FLD (C/TJ)  
CARROLLTON, GEORGIA



AIRPORT DIAGRAM

23110

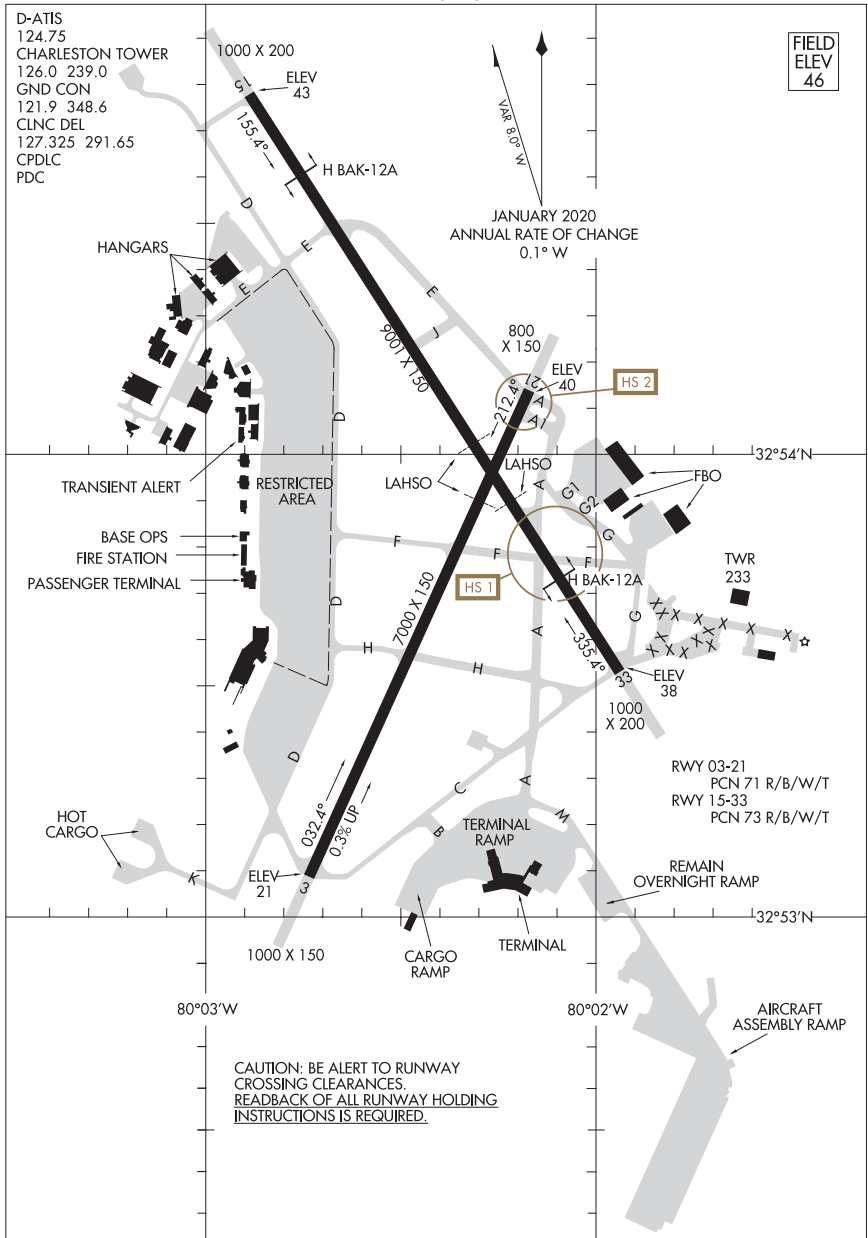
CARROLLTON, GEORGIA  
WEST GEORGIA RGNL - O V GRAY FLD (C/TJ)

23110

AIRPORT DIAGRAM

AL-76 (FAA)

CHARLESTON AFB/INTL (CHS)  
CHARLESTON, SOUTH CAROLINA



AIRPORT DIAGRAM

23110

CHARLESTON, SOUTH CAROLINA  
CHARLESTON AFB/INTL (CHS)

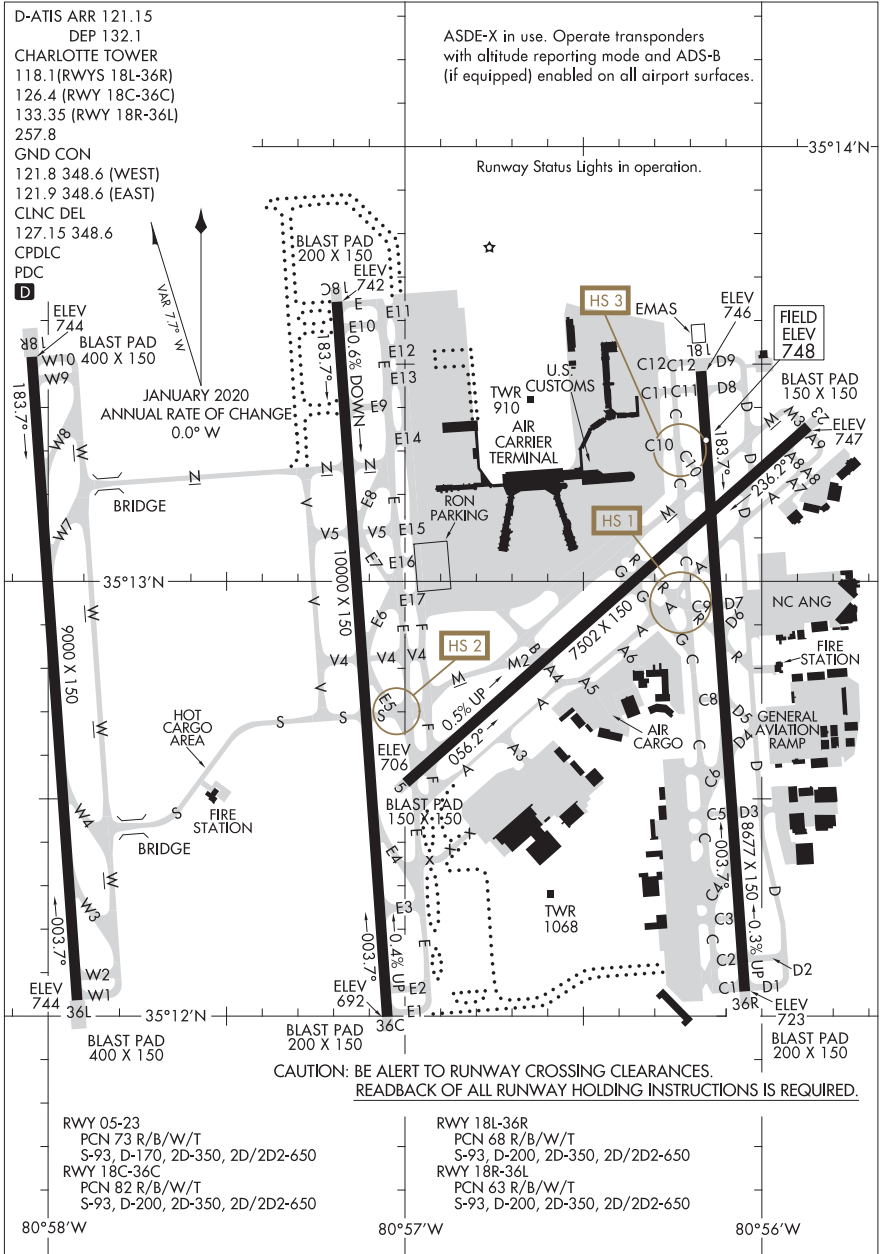
23166

AIRPORT DIAGRAM

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)

CHARLOTTE, NORTH CAROLINA



AIRPORT DIAGRAM

23166

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS INTL (CLT)

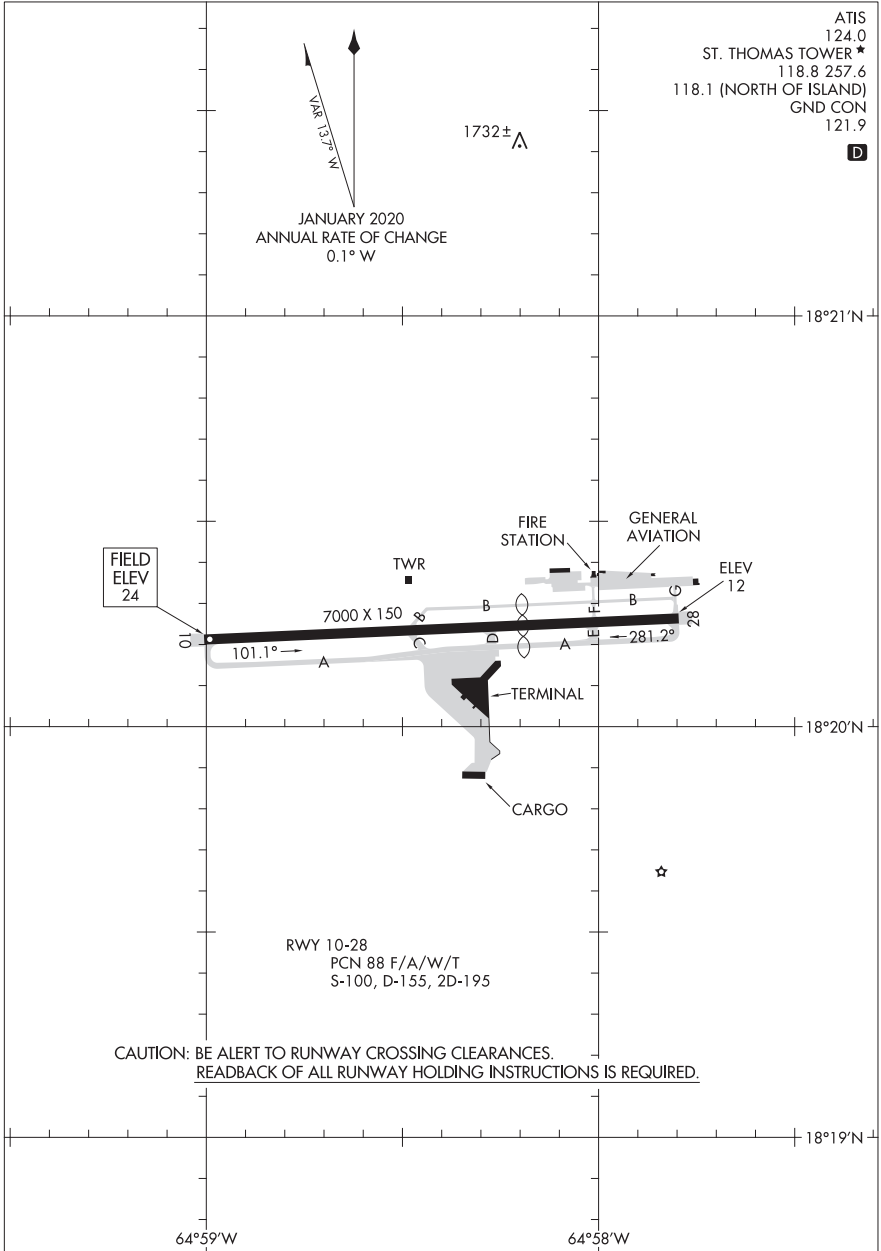


20086

AIRPORT DIAGRAM

AL-5005 (FAA)

CYRIL E KING (STT) (TIST)  
CHARLOTTE AMAÏE, VIRGIN ISLANDS



AIRPORT DIAGRAM

20086

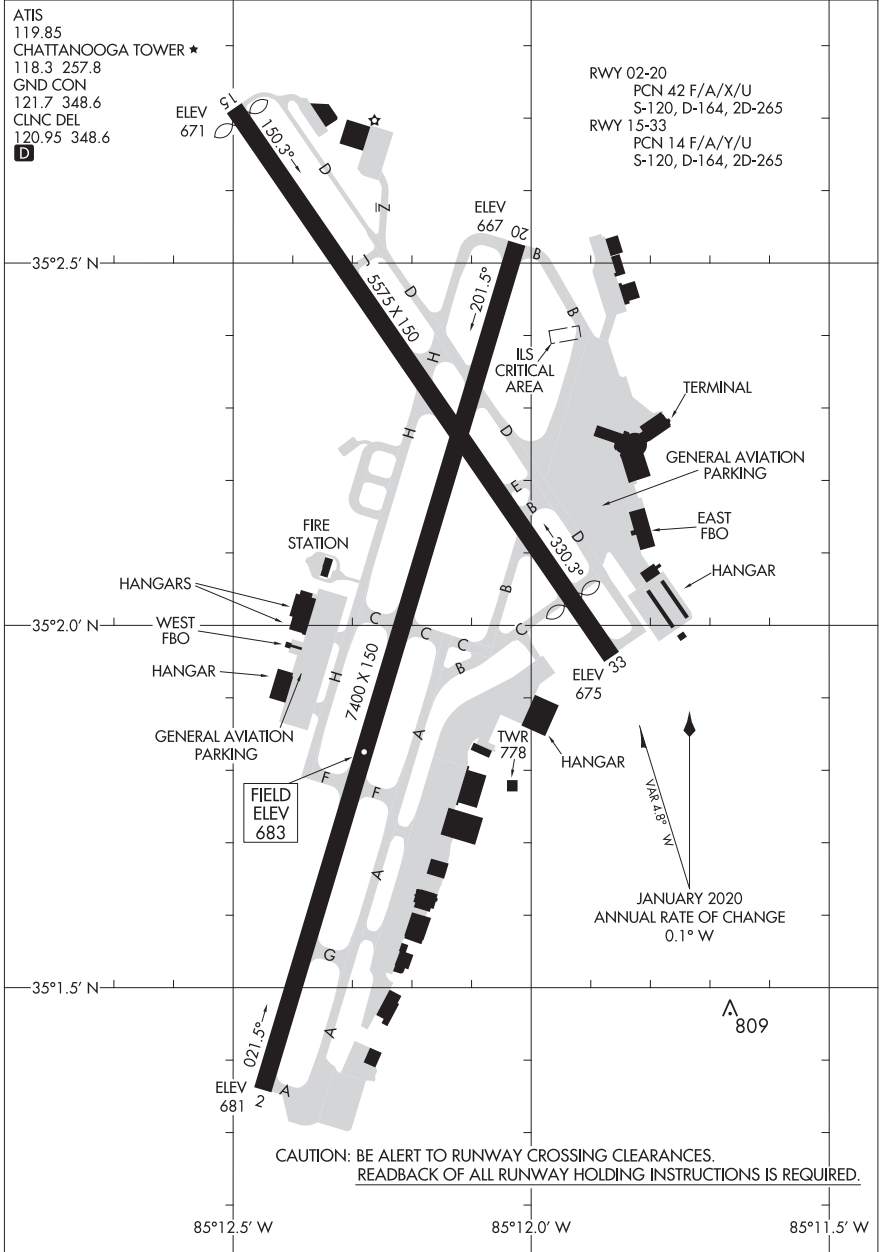
CHARLOTTE AMAÏE, VIRGIN ISLANDS  
CYRIL E KING (STT) (TIST)

23222

AIRPORT DIAGRAM

AL-79 (FAA)

LOVELL FLD (CHA)  
CHATTANOOGA, TENNESSEE



AIRPORT DIAGRAM  
23222

CHATTANOOGA, TENNESSEE  
LOVELL FLD (CHA)

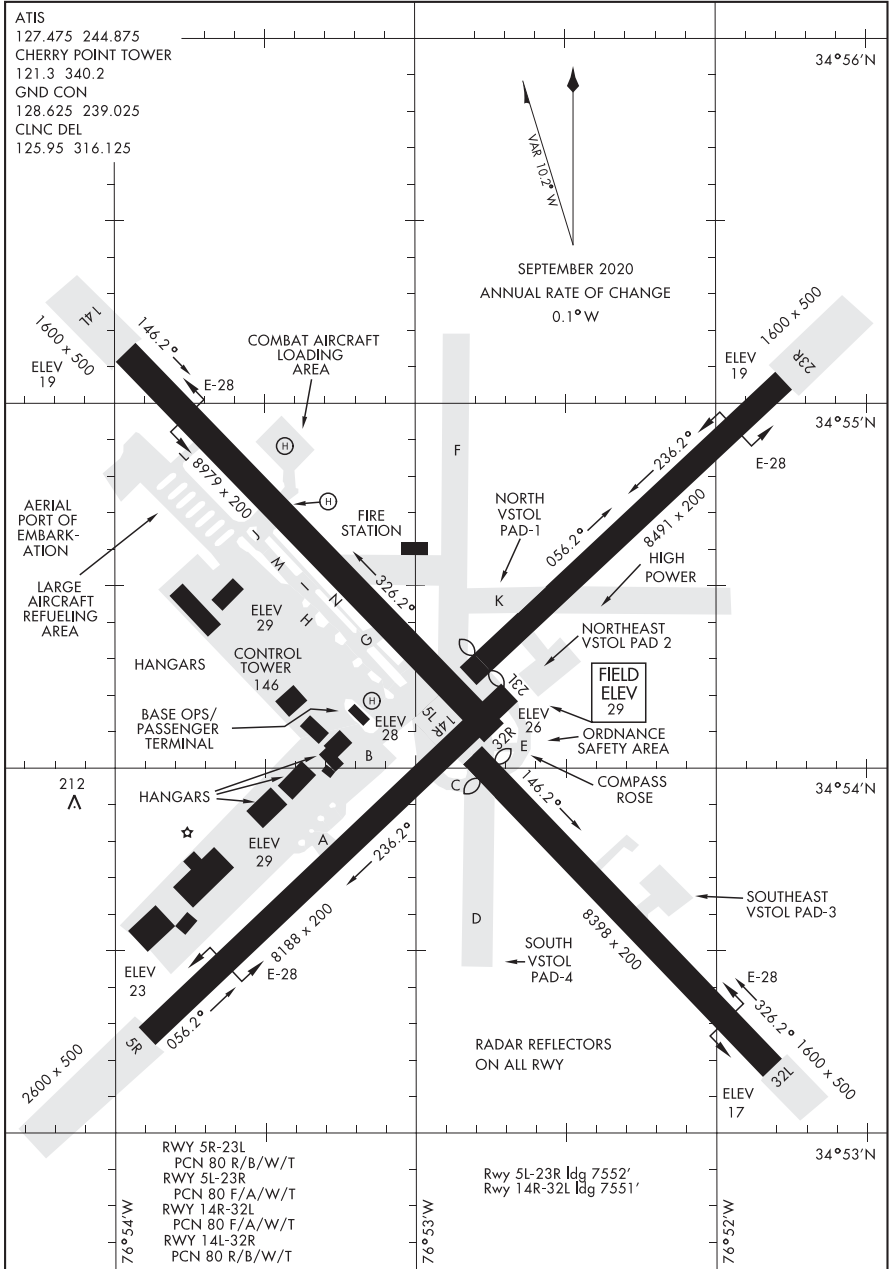
24025

CHERRY POINT MCAS, (CUNNINGHAM FLD) (KNKT)

AIRPORT DIAGRAM

[USN]

CHERRY POINT, NORTH CAROLINA



AIRPORT DIAGRAM

CHERRY POINT, NORTH CAROLINA

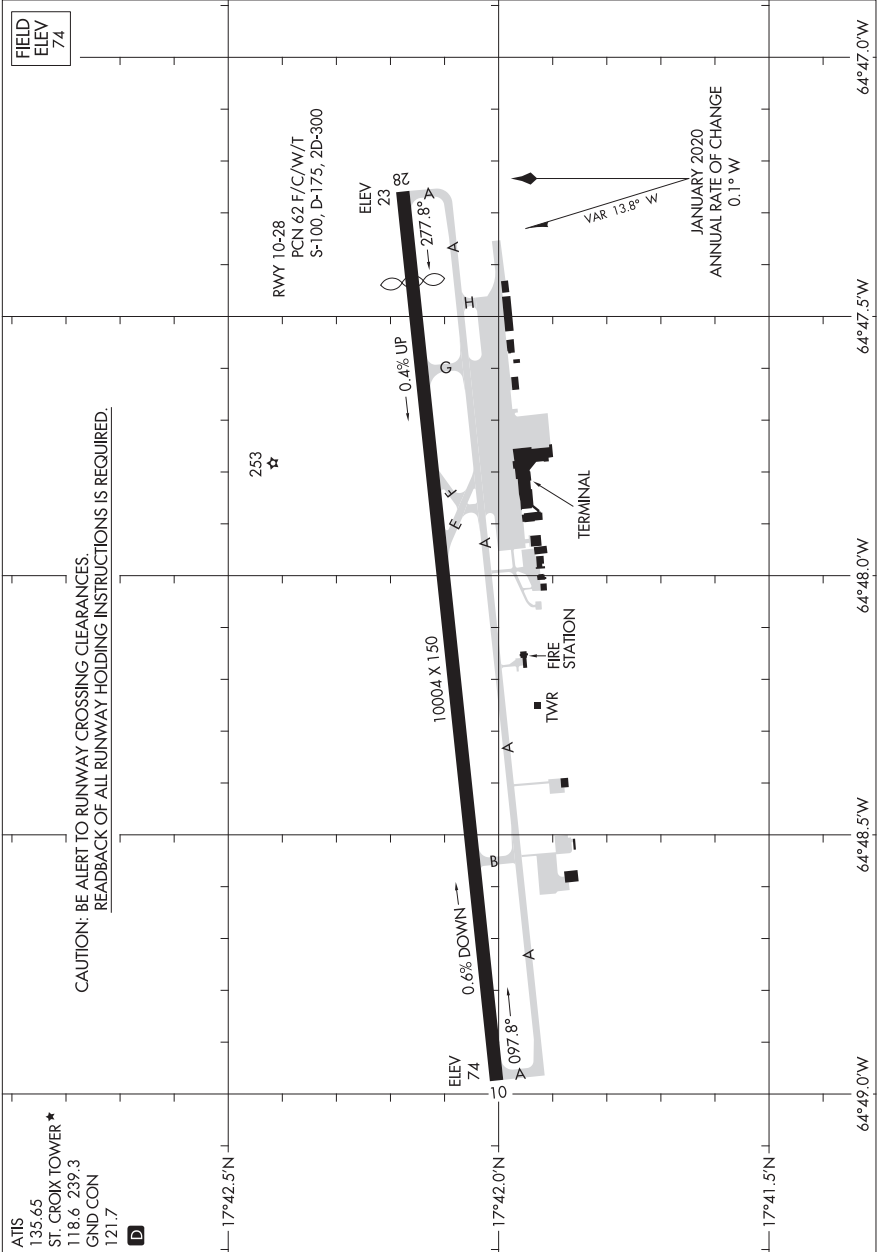
CHERRY POINT MCAS, (CUNNINGHAM FLD) (KNKT)

21224

AIRPORT DIAGRAM

AL-5008 (FAA)

HENRY E ROHLSSEN (STX)(TISX)  
CHRISTIANSTED, ST. CROIX, VIRGIN ISLANDS



ATIS  
135.65  
ST. CROIX TOWER \*  
118.6 239.3  
GND CON  
121.7  
D

AIRPORT DIAGRAM

21224

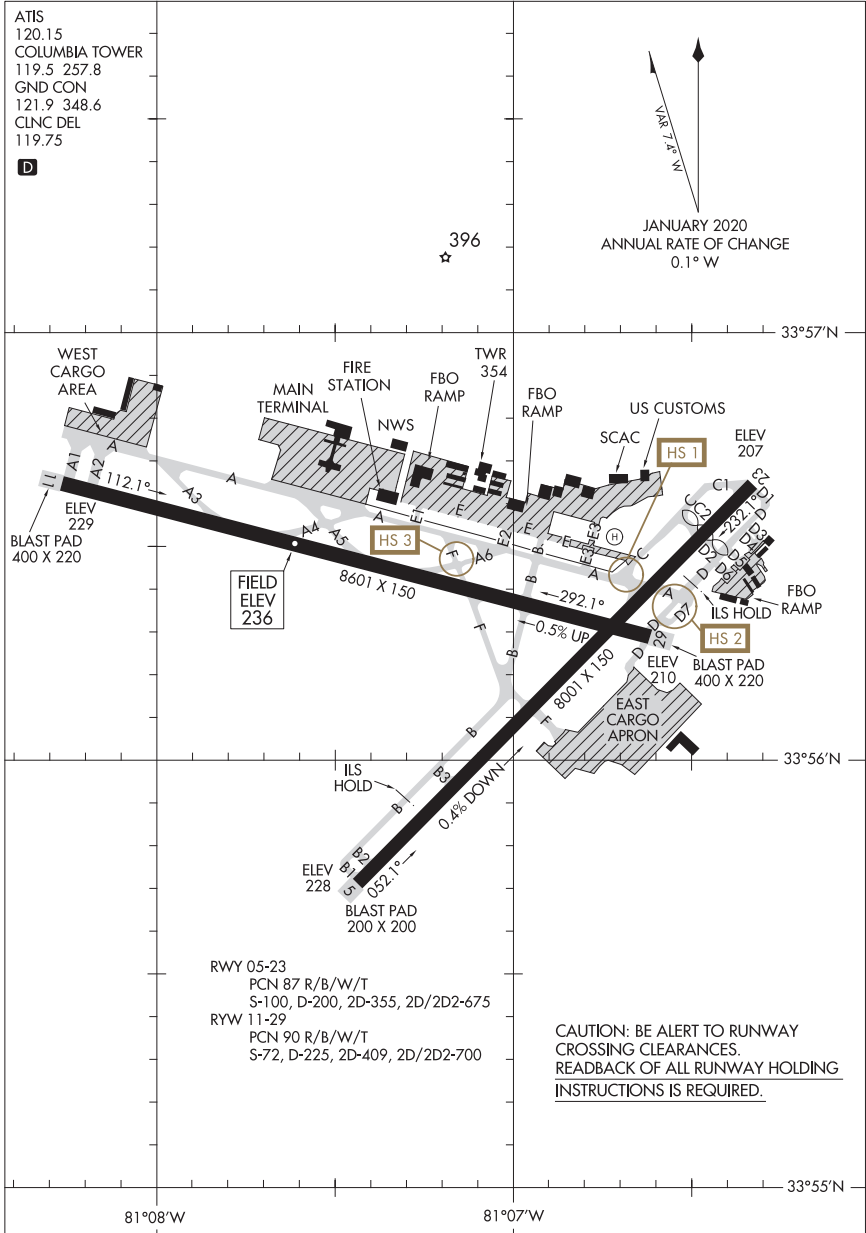
CHRISTIANSTED, ST. CROIX, VIRGIN ISLANDS  
HENRY E ROHLSSEN (STX)(TISX)

24025

AIRPORT DIAGRAM

AL-89 (FAA)

COLUMBIA METRO (CAE)  
COLUMBIA, SOUTH CAROLINA



AIRPORT DIAGRAM

24025

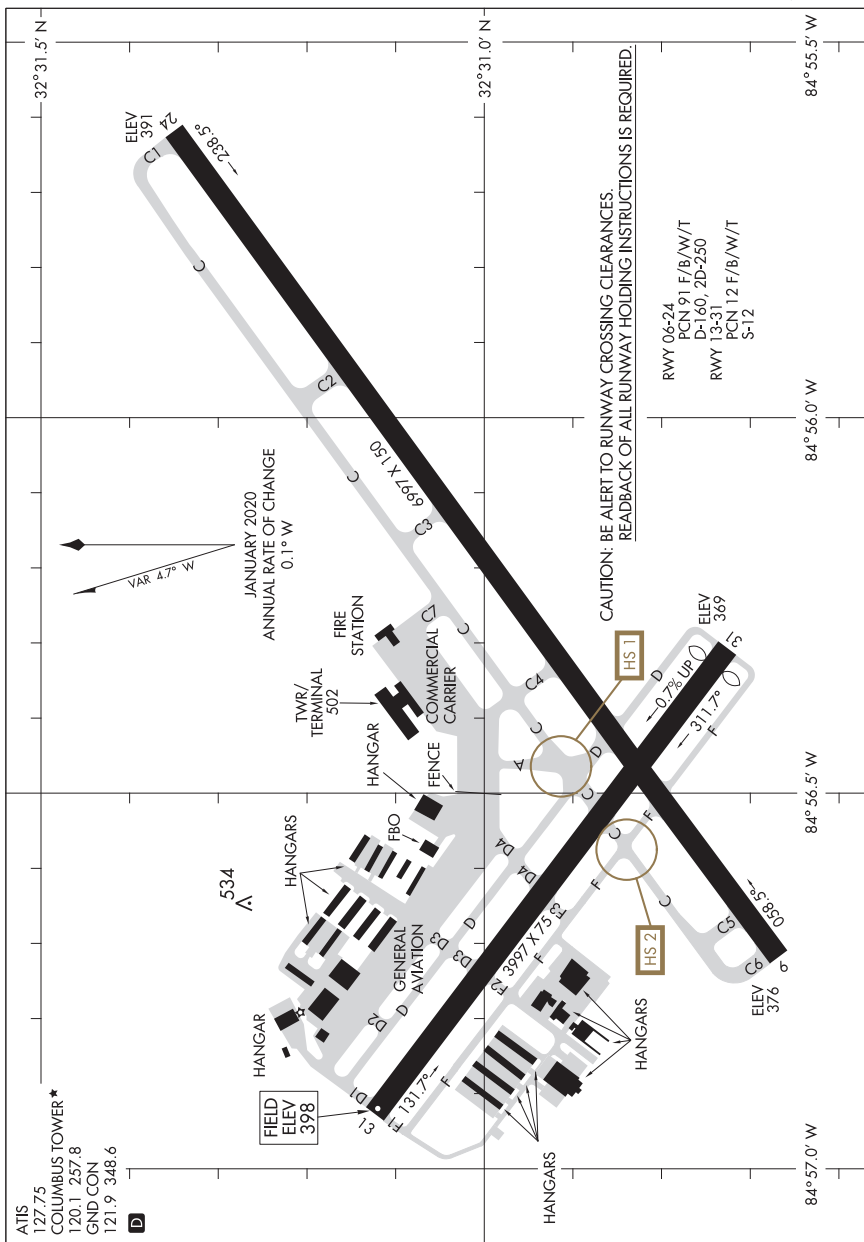
COLUMBIA, SOUTH CAROLINA  
COLUMBIA METRO (CAE)

24025

AIRPORT DIAGRAM

AL-636 (FAA)

COLUMBUS (CSG)  
COLUMBUS, GEORGIA



AIRPORT DIAGRAM

COLUMBUS, GEORGIA  
COLUMBUS (CSG)

24025

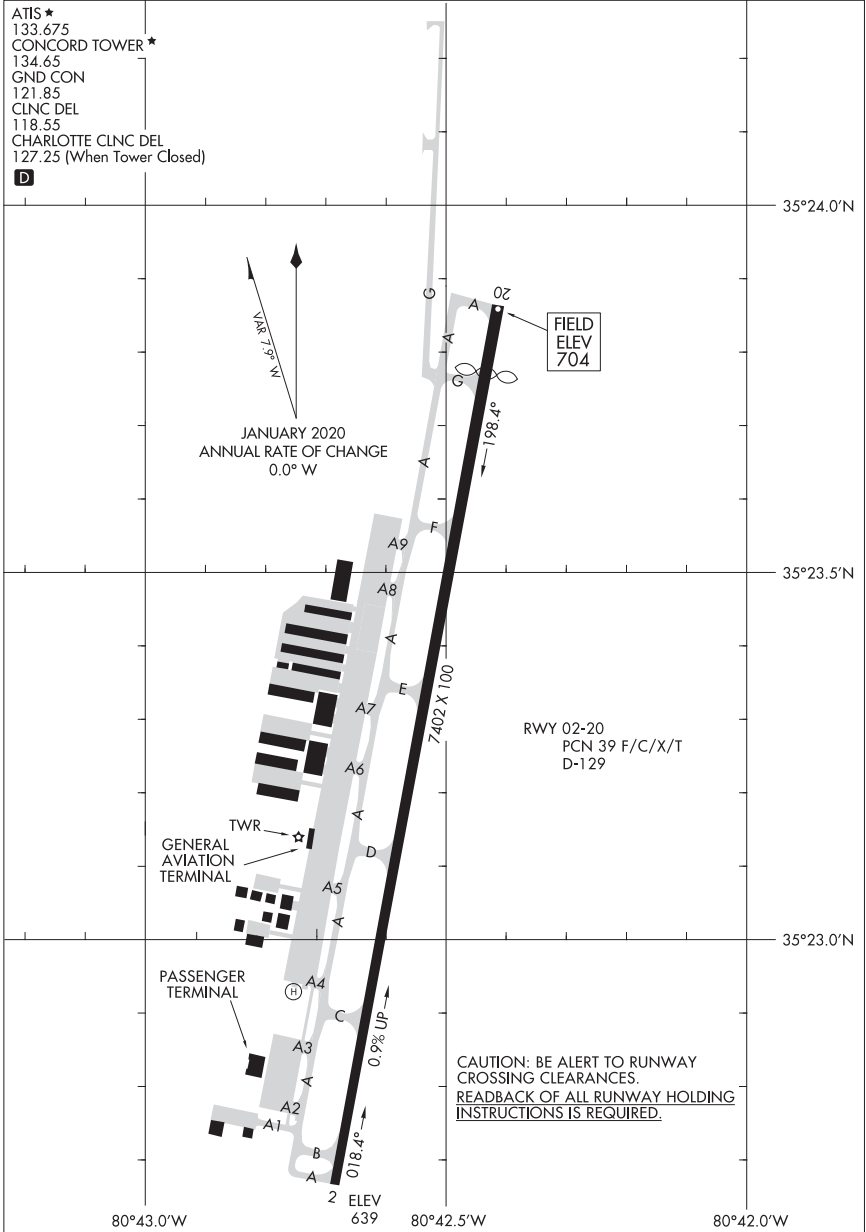
23334

AIRPORT DIAGRAM

AL-9155 (FAA)

CONCORD-PADGETT RGNL (JQF)

CONCORD, NORTH CAROLINA



ATIS ★  
 133.675  
 CONCORD TOWER ★  
 134.65  
 GND CON  
 121.85  
 CLNC DEL  
 118.55  
 CHARLOTTE CLNC DEL  
 127.25 (When Tower Closed)

**D**

VOR 1.9° N  
 JANUARY 2020  
 ANNUAL RATE OF CHANGE  
 0.0° W

FIELD  
 ELEV  
 704

RWY 02-20  
 PCN 39 F/C/X/T  
 D-129

TWR ★  
 GENERAL  
 AVIATION  
 TERMINAL

PASSENGER  
 TERMINAL

CAUTION: BE ALERT TO RUNWAY  
 CROSSING CLEARANCES.  
 READBACK OF ALL RUNWAY HOLDING  
 INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

23334

CONCORD, NORTH CAROLINA

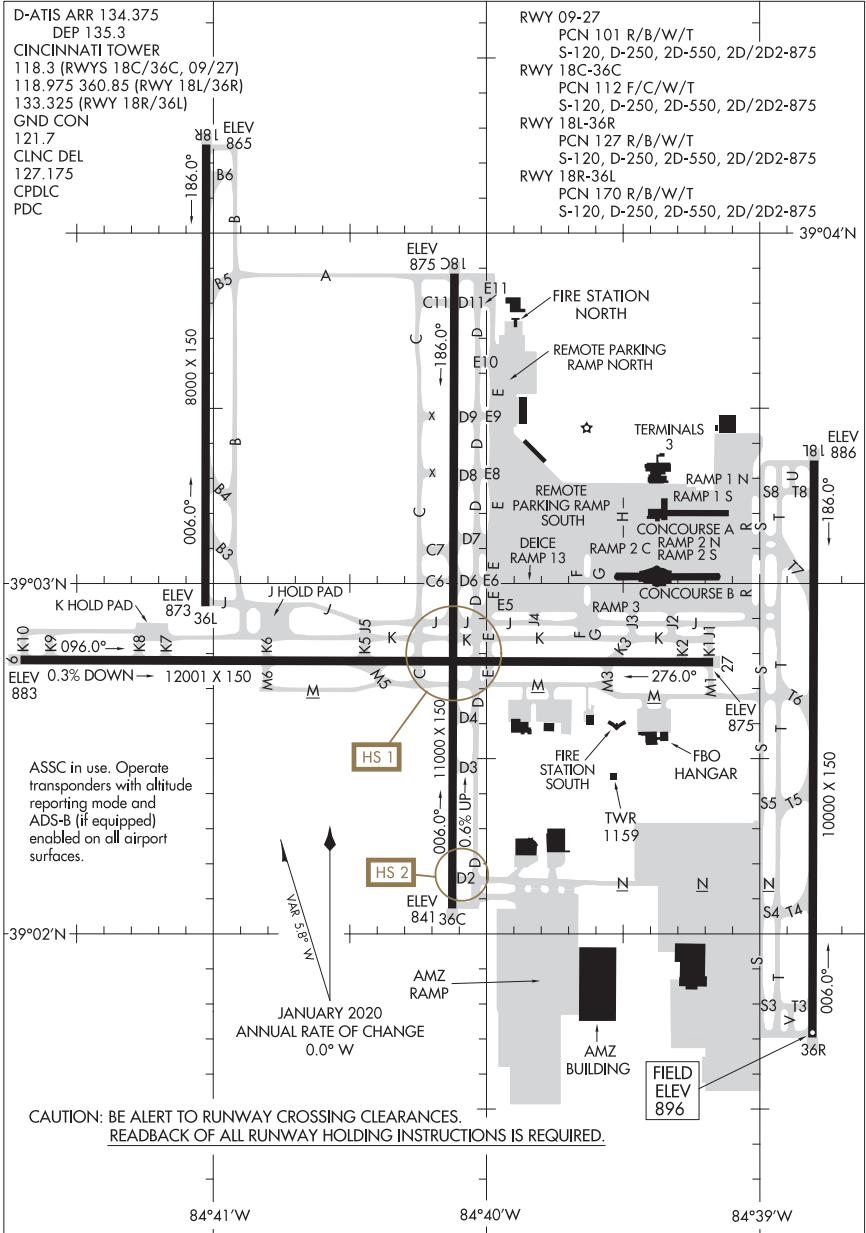
CONCORD-PADGETT RGNL (JQF)

23334

AIRPORT DIAGRAM

CINCINNATI/NORTHERN KENTUCKY INTL (CVG)  
AL-655 (FAA)

COVINGTON, KENTUCKY



AIRPORT DIAGRAM

23334

CINCINNATI/NORTHERN KENTUCKY INTL (CVG)  
COVINGTON, KENTUCKY

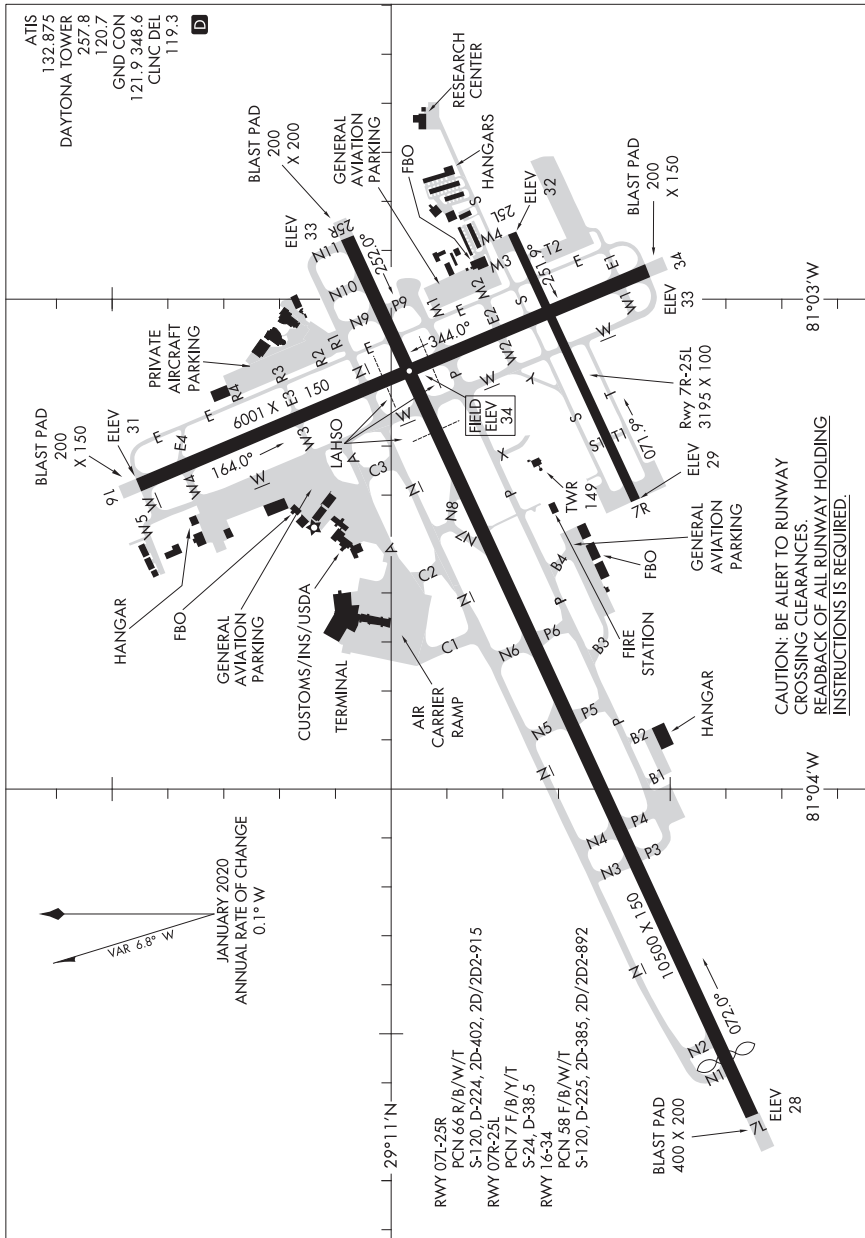


23110

# AIRPORT DIAGRAM

AL-110 (FAA)

DAYTONA BEACH INTL (DAB)  
DAYTONA BEACH, FLORIDA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES. READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

# AIRPORT DIAGRAM

23110

DAYTONA BEACH, FLORIDA  
DAYTONA BEACH INTL (DAB)

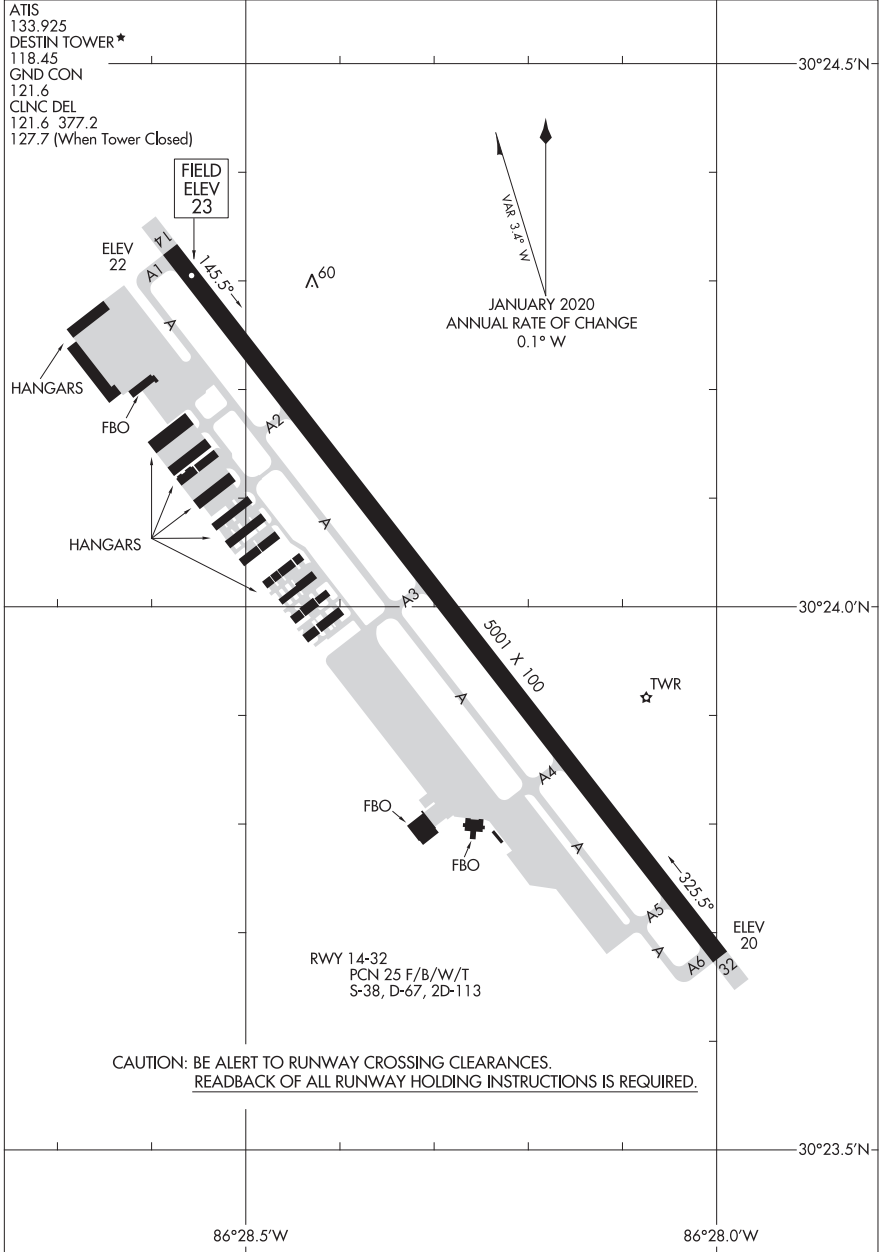
21168

AIRPORT DIAGRAM

AL-5680 (FAA)

DESTIN EXEC (D'TS)

DESTIN, FLORIDA



AIRPORT DIAGRAM

21168

DESTIN, FLORIDA

DESTIN EXEC (D'TS)

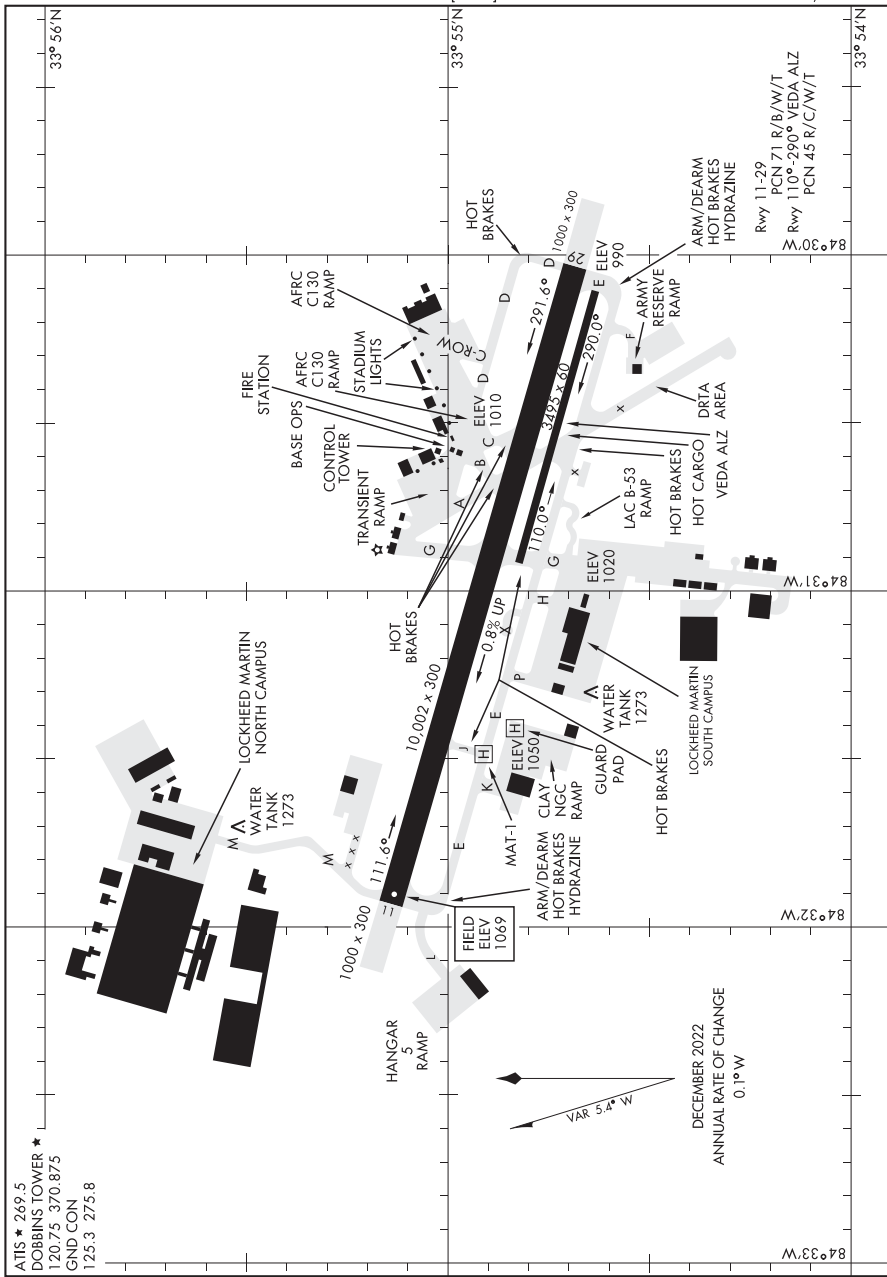
22363

AIRPORT DIAGRAM

AL-959 [USAF]

DOBBINS ARB (KMGE)

MARIETTA, GEORGIA



AIRPORT DIAGRAM

MARIETTA, GEORGIA

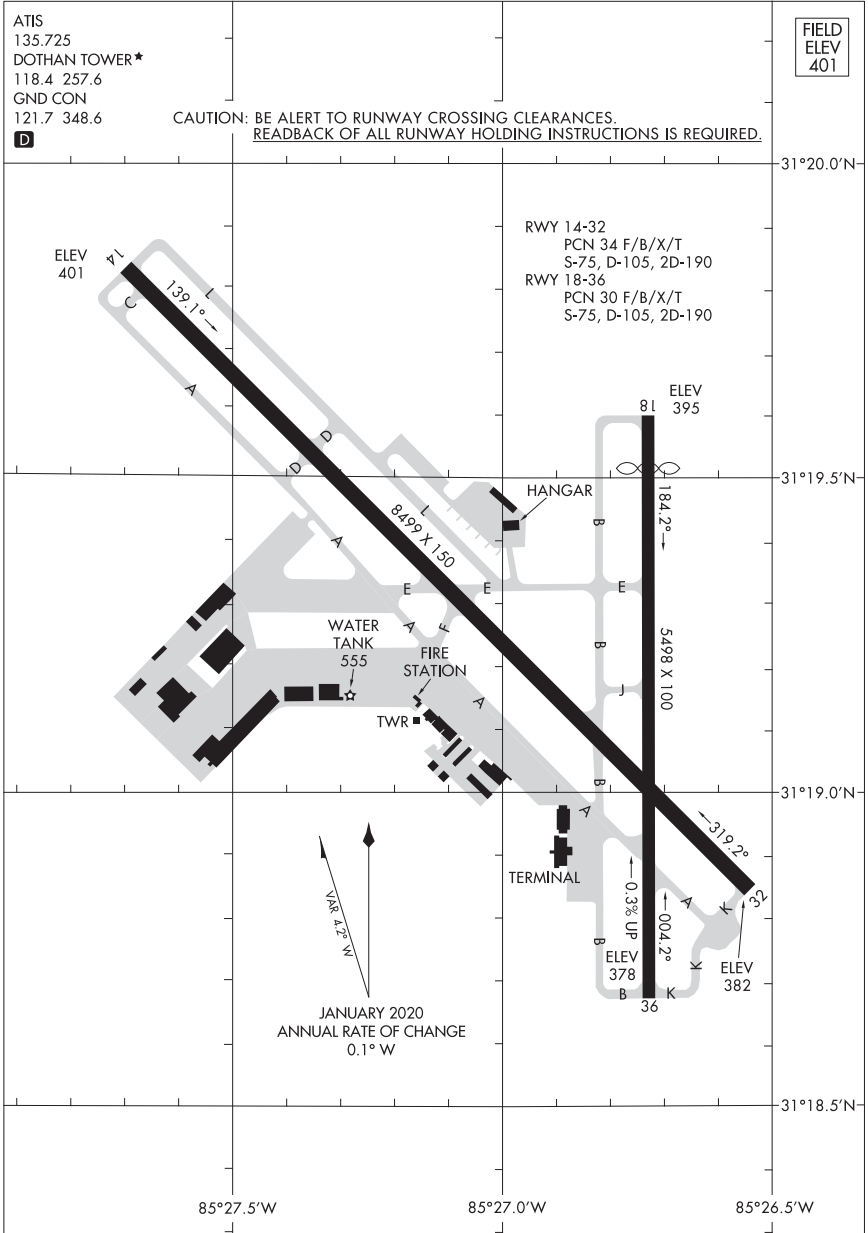
DOBBINS ARB (KMGE)

22027

AIRPORT DIAGRAM

AL-123 (FAA)

DOTHAN RGNL (DHN)  
DOTHAN, ALABAMA



AIRPORT DIAGRAM  
22027

DOTHAN, ALABAMA  
DOTHAN RGNL (DHN)

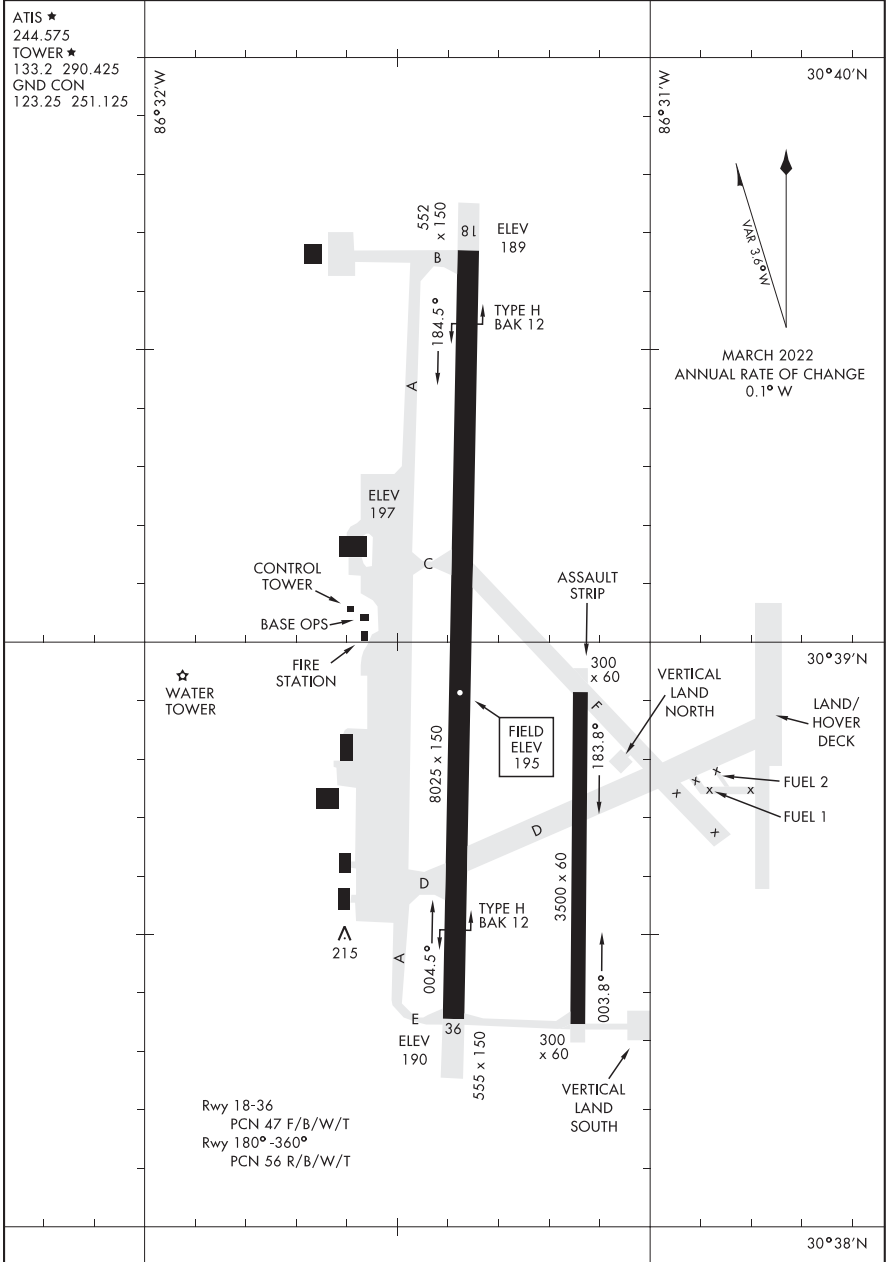
22083

DUKE FLD (EGLIN AF AUX NR3) (KEGI)

AIRPORT DIAGRAM

AL-699 [USAF]

VALPARAISO, FLORIDA



AIRPORT DIAGRAM

VALPARAISO, FLORIDA

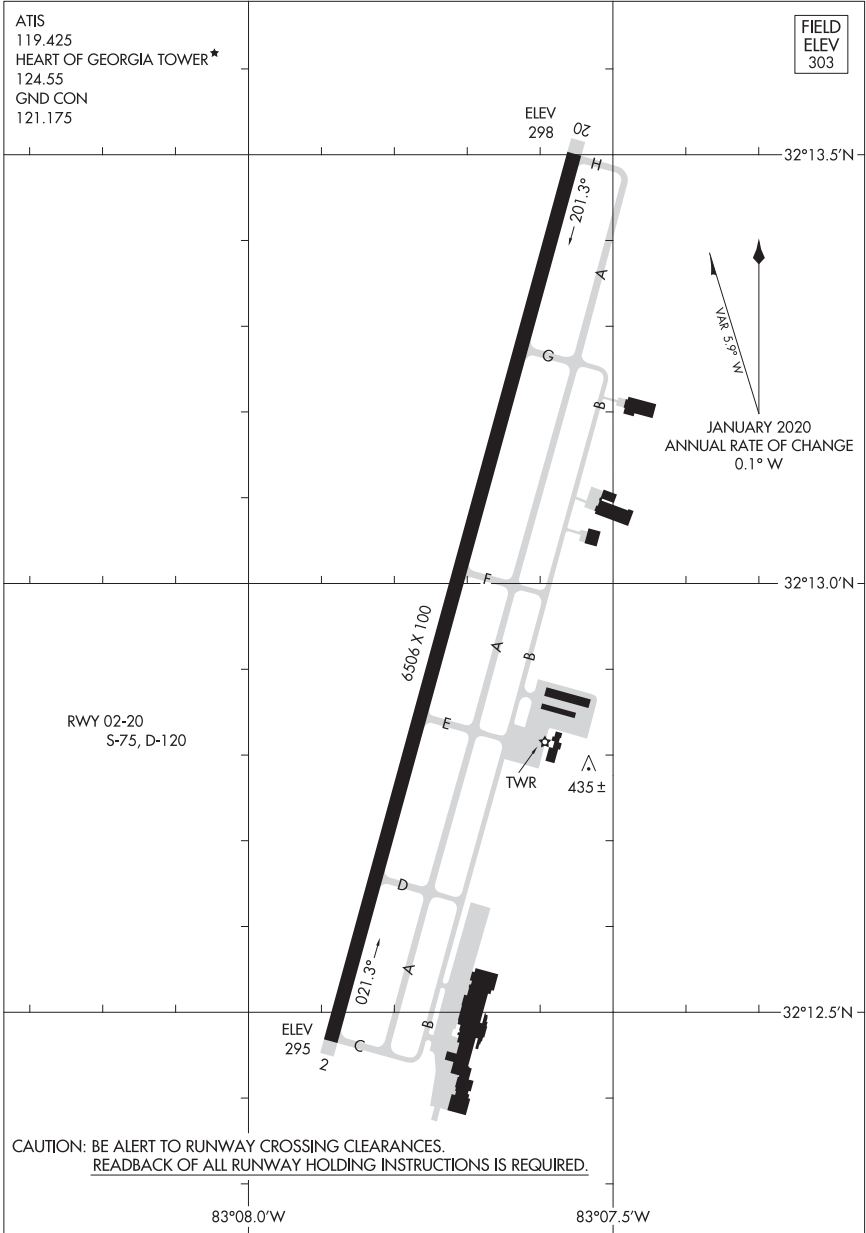
DUKE FLD (EGLIN AF AUX NR3) (KEGI)

22083

AIRPORT DIAGRAM

AL-5469 (FAA)

HEART OF GEORGIA RGNL (E/ZM)  
EASTMAN, GEORGIA



AIRPORT DIAGRAM

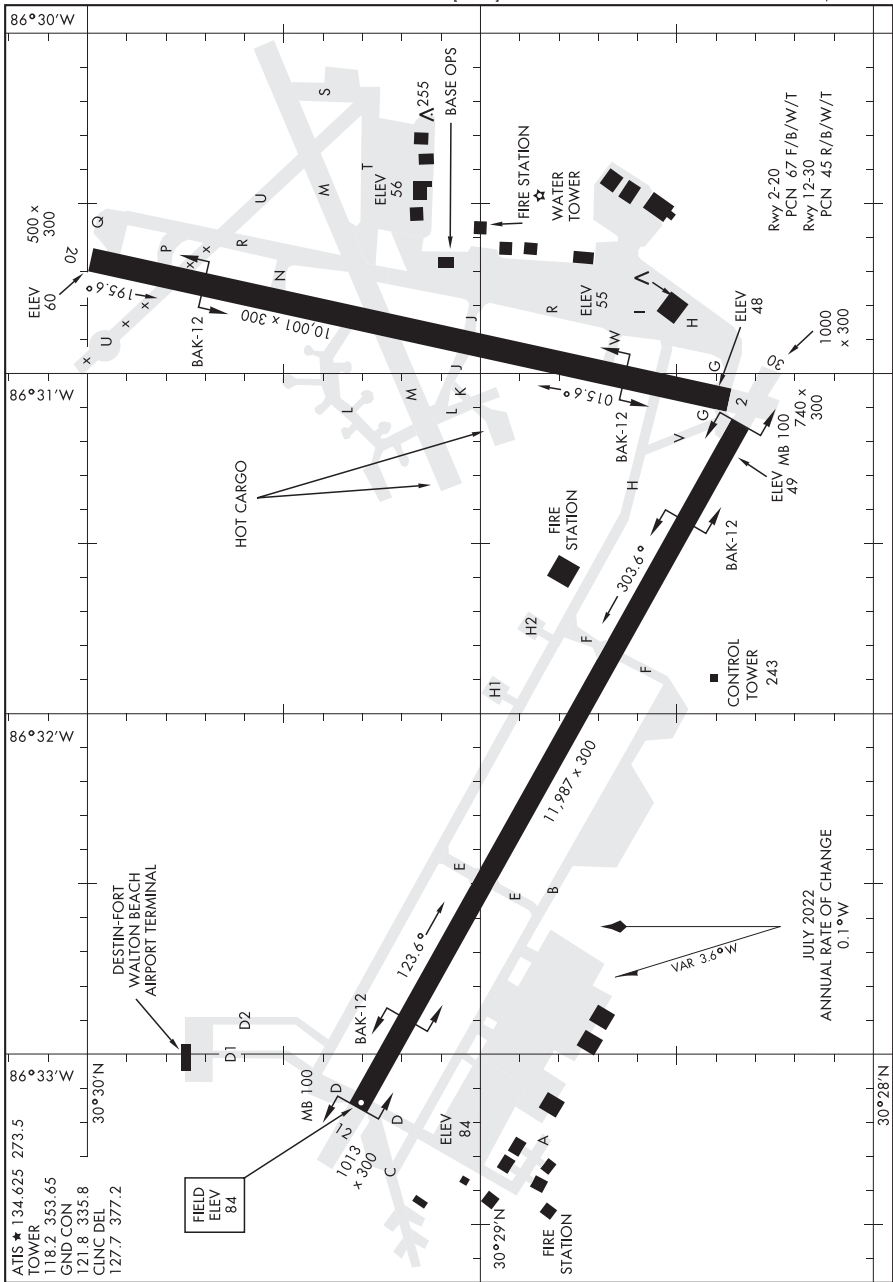
22083

EASTMAN, GEORGIA  
HEART OF GEORGIA RGNL (E/ZM)

# AIRPORT DIAGRAM

AL-436 [USAF]

VALPARAISO, FLORIDA



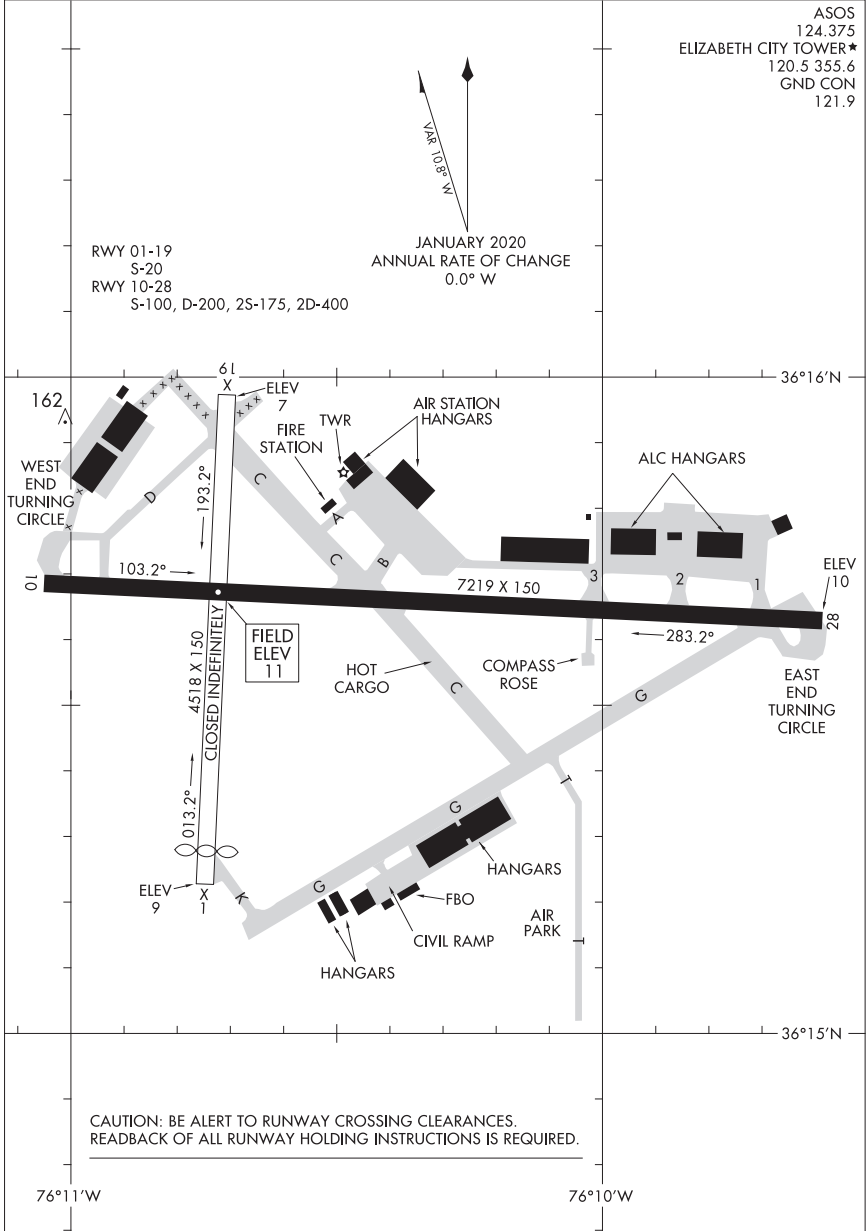
# AIRPORT DIAGRAM

EGLIN AFB/DESTIN-FT WALTON BEACH (KVPS)  
VALPARAISO, FLORIDA

21280

# AIRPORT DIAGRAM

ELIZABETH CITY CG AIR STATION/RGNL (EGC)  
AL-617 (FAA)  
ELIZABETH CITY, NORTH CAROLINA



# AIRPORT DIAGRAM

21280

ELIZABETH CITY, NORTH CAROLINA  
ELIZABETH CITY CG AIR STATION/RGNL (EGC)



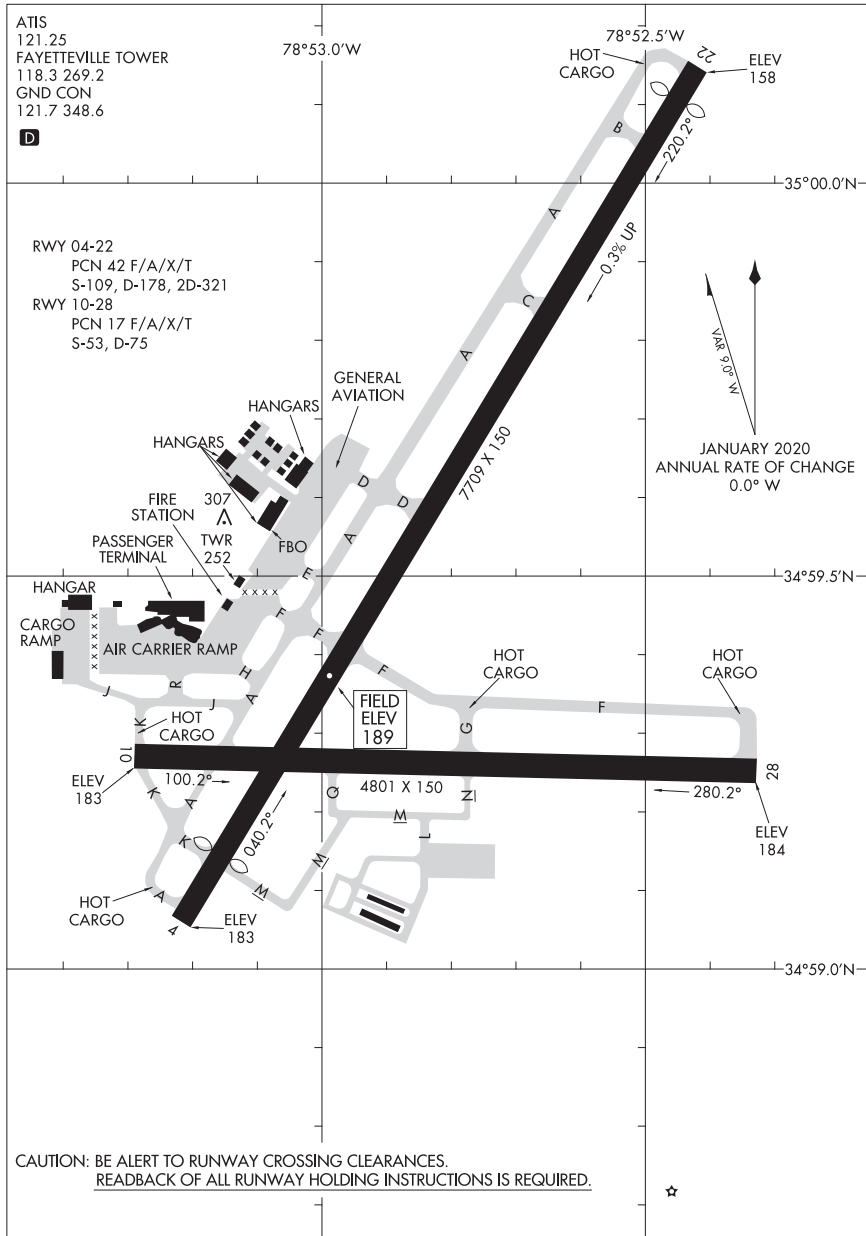
23278

FAYETTEVILLE RGNL/GRANNIS FLD (FAY)

# AIRPORT DIAGRAM

AL-690 (FAA)

FAYETTEVILLE, NORTH CAROLINA



# AIRPORT DIAGRAM

23278

FAYETTEVILLE, NORTH CAROLINA

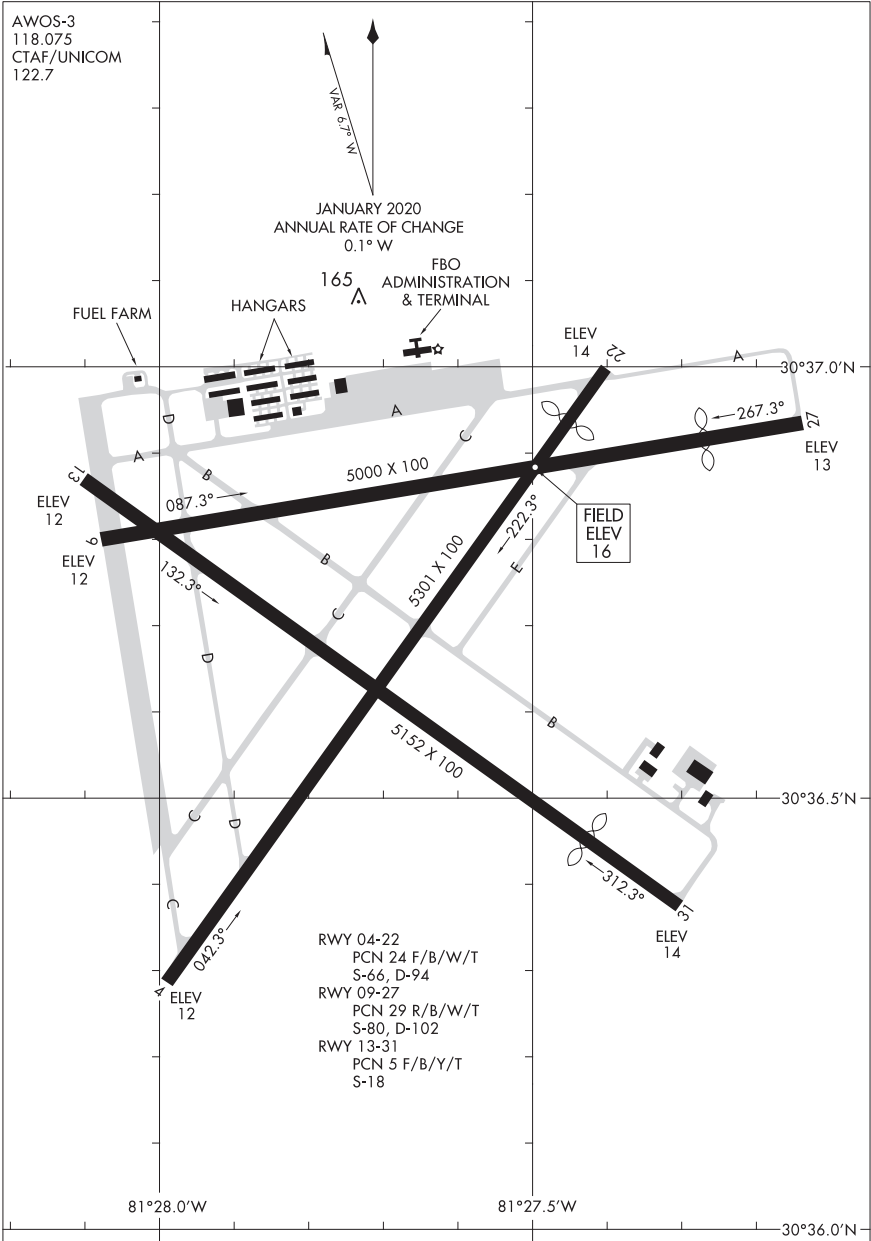
FAYETTEVILLE RGNL/GRANNIS FLD (FAY)

20086

# AIRPORT DIAGRAM

FERNANDINA BEACH MUNI (FHB)  
FERNANDINA BEACH, FLORIDA

AL-6597 (FAA)



# AIRPORT DIAGRAM

20086

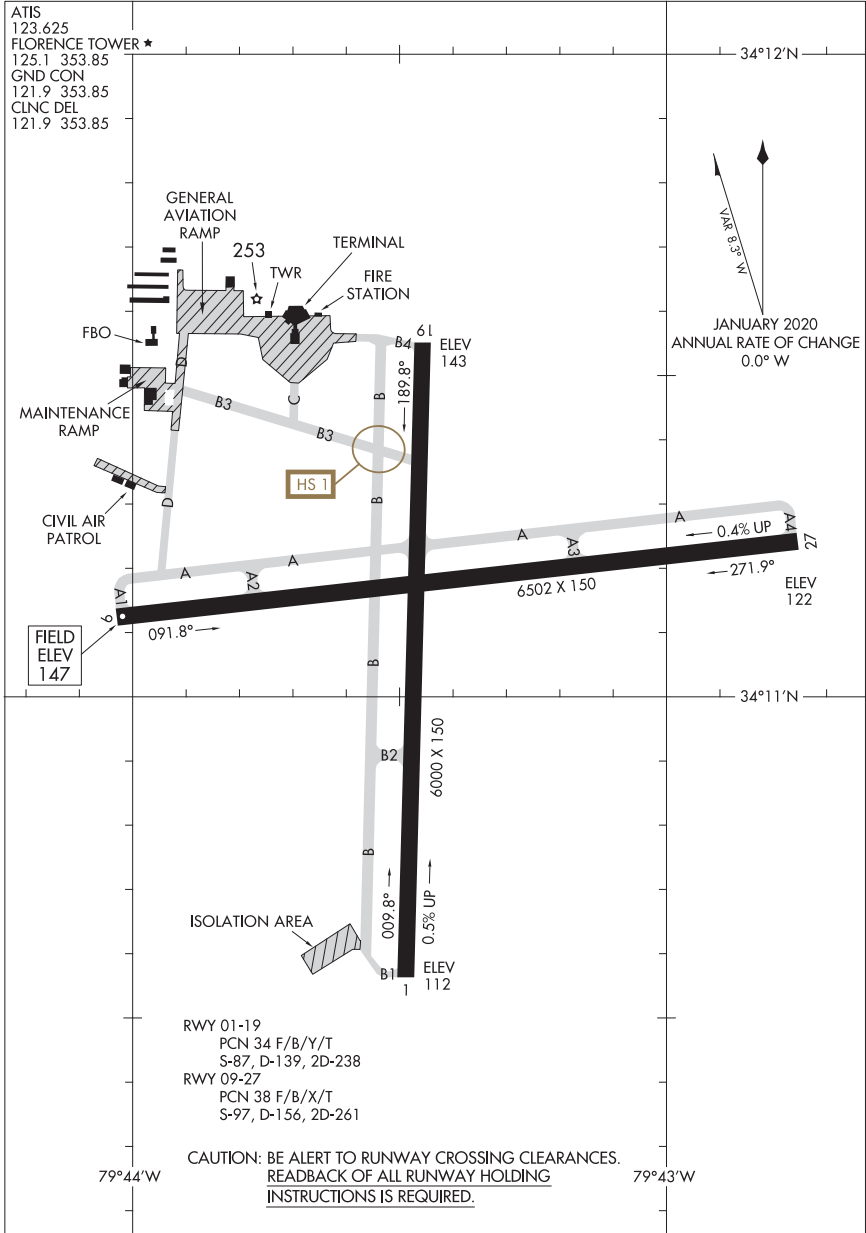
FERNANDINA BEACH, FLORIDA  
FERNANDINA BEACH MUNI (FHB)

24025

AIRPORT DIAGRAM

AL-145 (FAA)

FLORENCE RGNL (FLO)  
FLORENCE, SOUTH CAROLINA



AIRPORT DIAGRAM

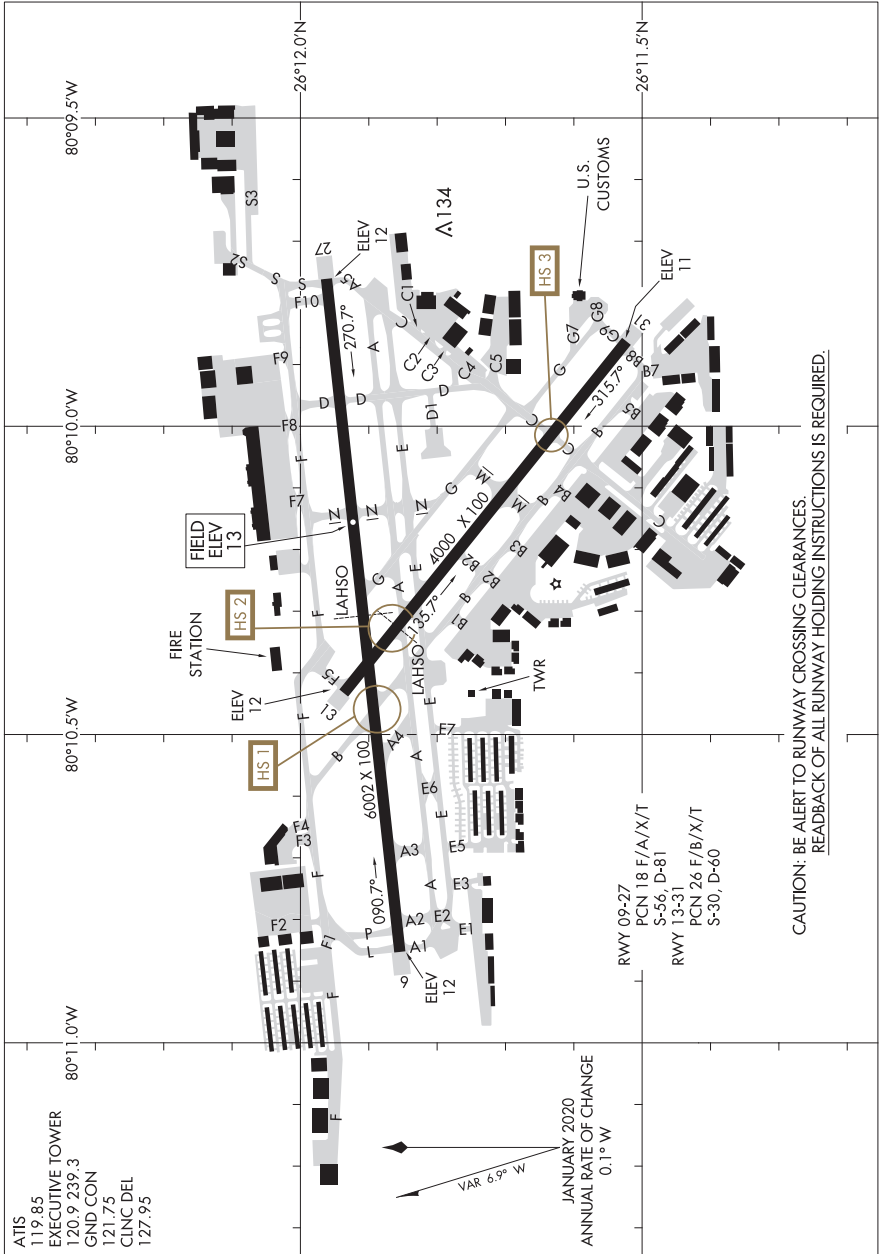
24025

FLORENCE, SOUTH CAROLINA  
FLORENCE RGNL (FLO)

23222  
AIRPORT DIAGRAM

AL-5942 (FAA)

FORT LAUDERDALE EXEC (F<sup>X</sup>E)  
FORT LAUDERDALE, FLORIDA



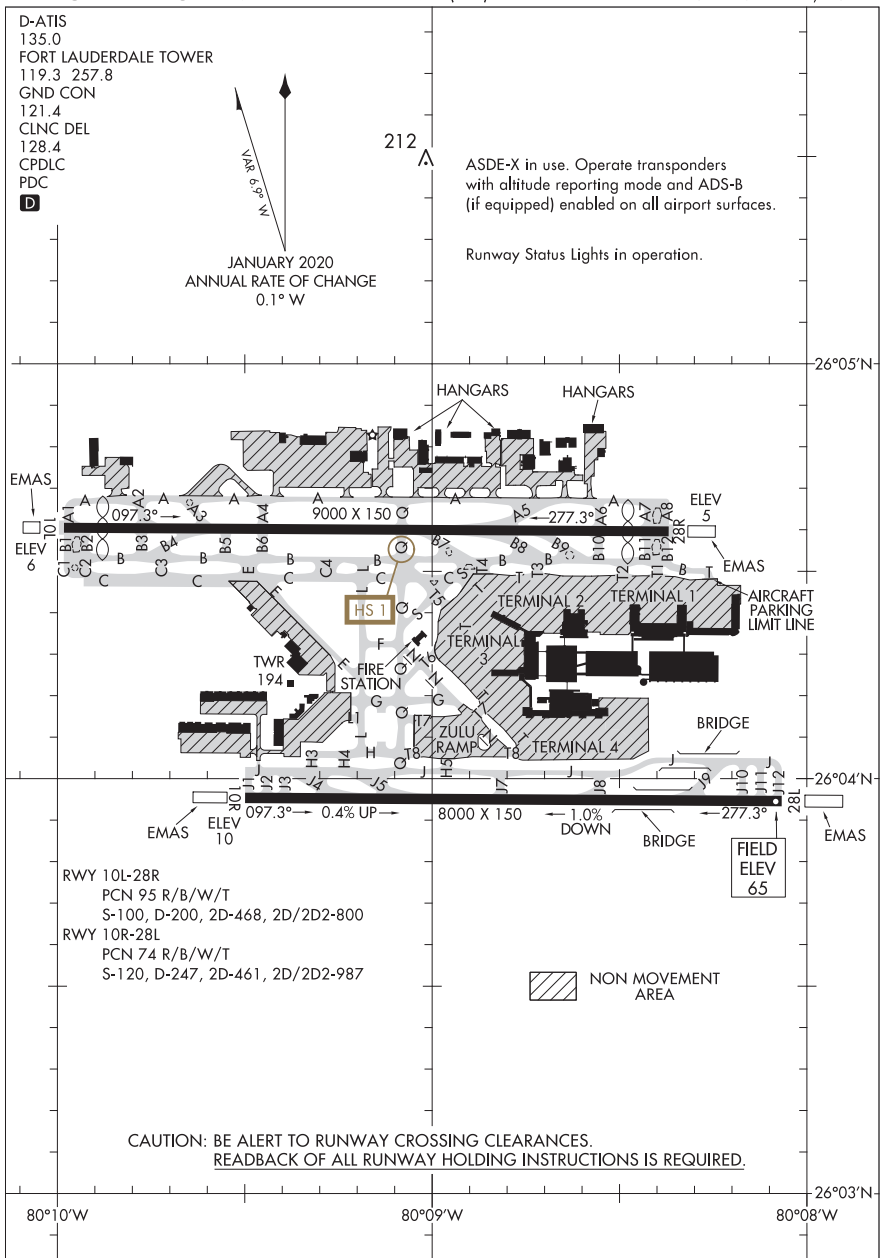
AIRPORT DIAGRAM  
23222

FORT LAUDERDALE, FLORIDA  
FORT LAUDERDALE EXEC (F<sup>X</sup>E)

22307

AIRPORT DIAGRAM

FORT LAUDERDALE/HOLLYWOOD INTL (FLL) AL-744 (FAA) FORT LAUDERDALE, FLORIDA



AIRPORT DIAGRAM

22307

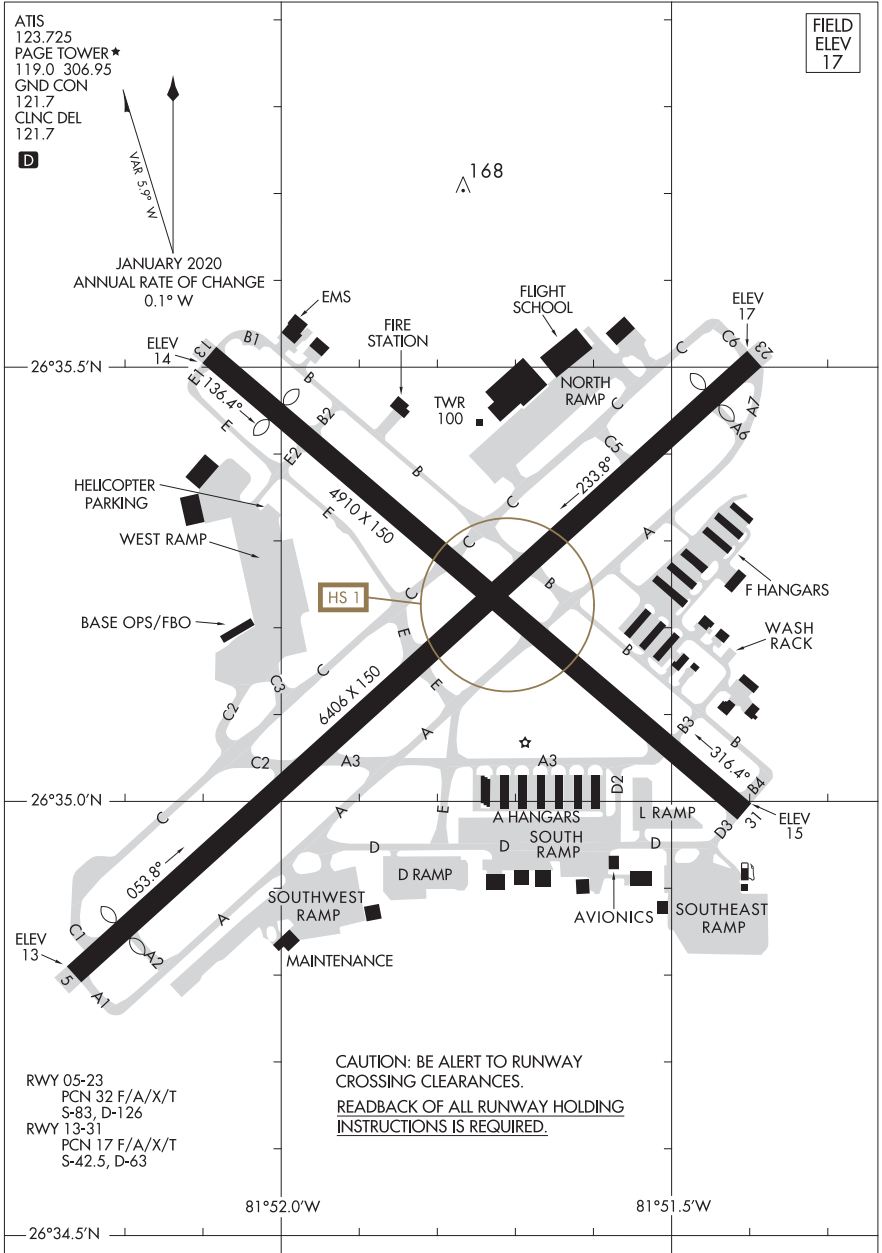
FORT LAUDERDALE, FLORIDA FORT LAUDERDALE/HOLLYWOOD INTL (FLL)

24025

AIRPORT DIAGRAM

AL-154 (FAA)

PAGE FLD (F'MY)  
FORT MYERS, FLORIDA



AIRPORT DIAGRAM  
24025

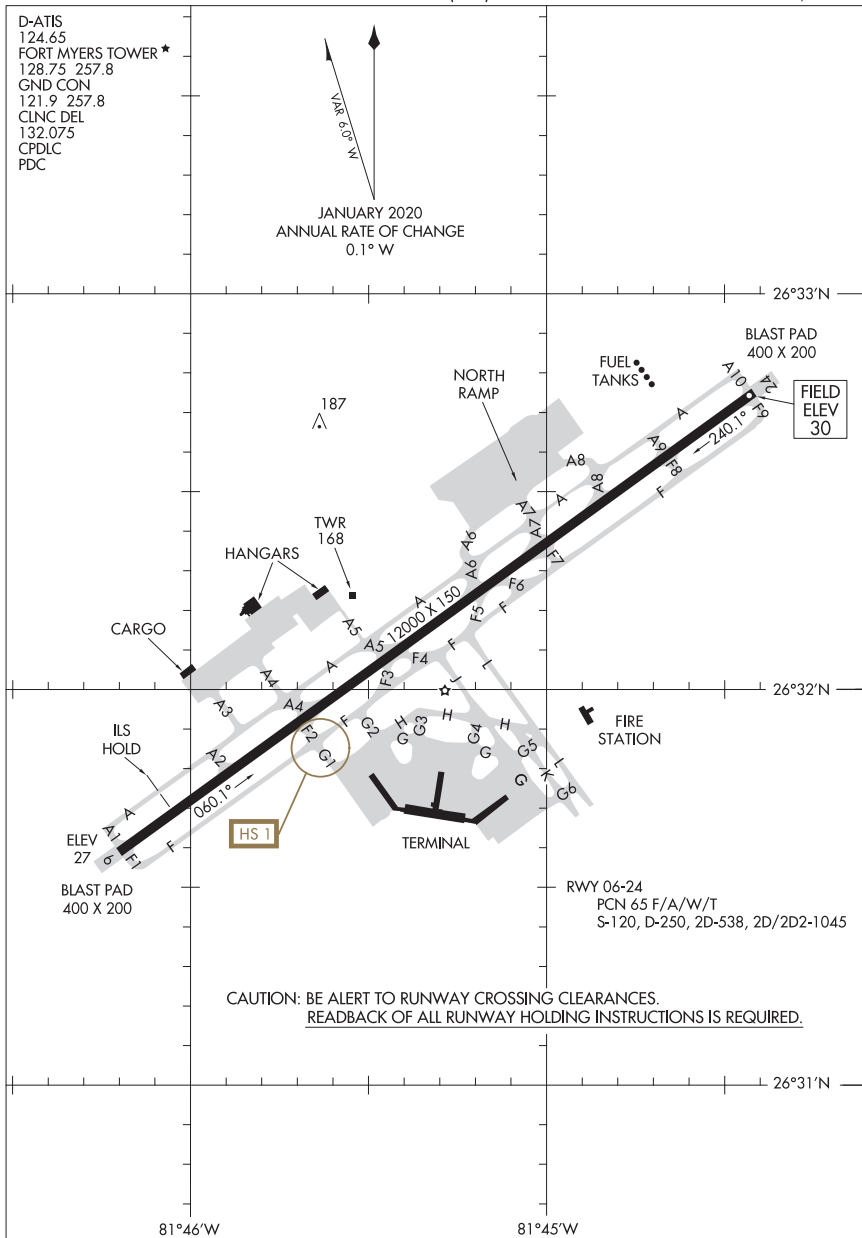
FORT MYERS, FLORIDA  
PAGE FLD (F'MY)

22139

AIRPORT DIAGRAM

AL-6757 (FAA)

SOUTHWEST FLORIDA INTL (RSW)  
FORT MYERS, FLORIDA



AIRPORT DIAGRAM

22139

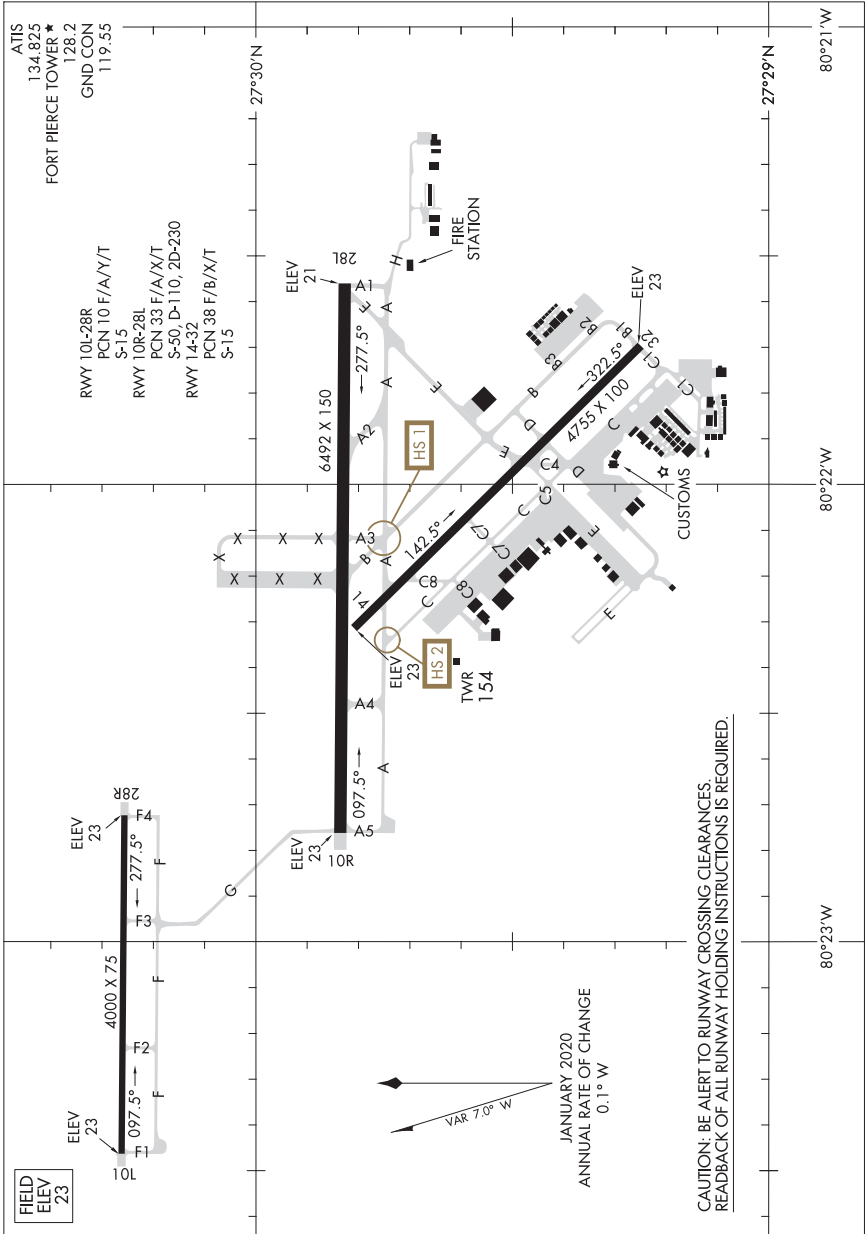
FORT MYERS, FLORIDA  
SOUTHWEST FLORIDA INTL (RSW)

22363

AIRPORT DIAGRAM

AL-5343 (FAA)

TREASURE COAST INTL (FPR)  
FORT PIERCE, FLORIDA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

FORT PIERCE, FLORIDA  
TREASURE COAST INTL (FPR)

22363



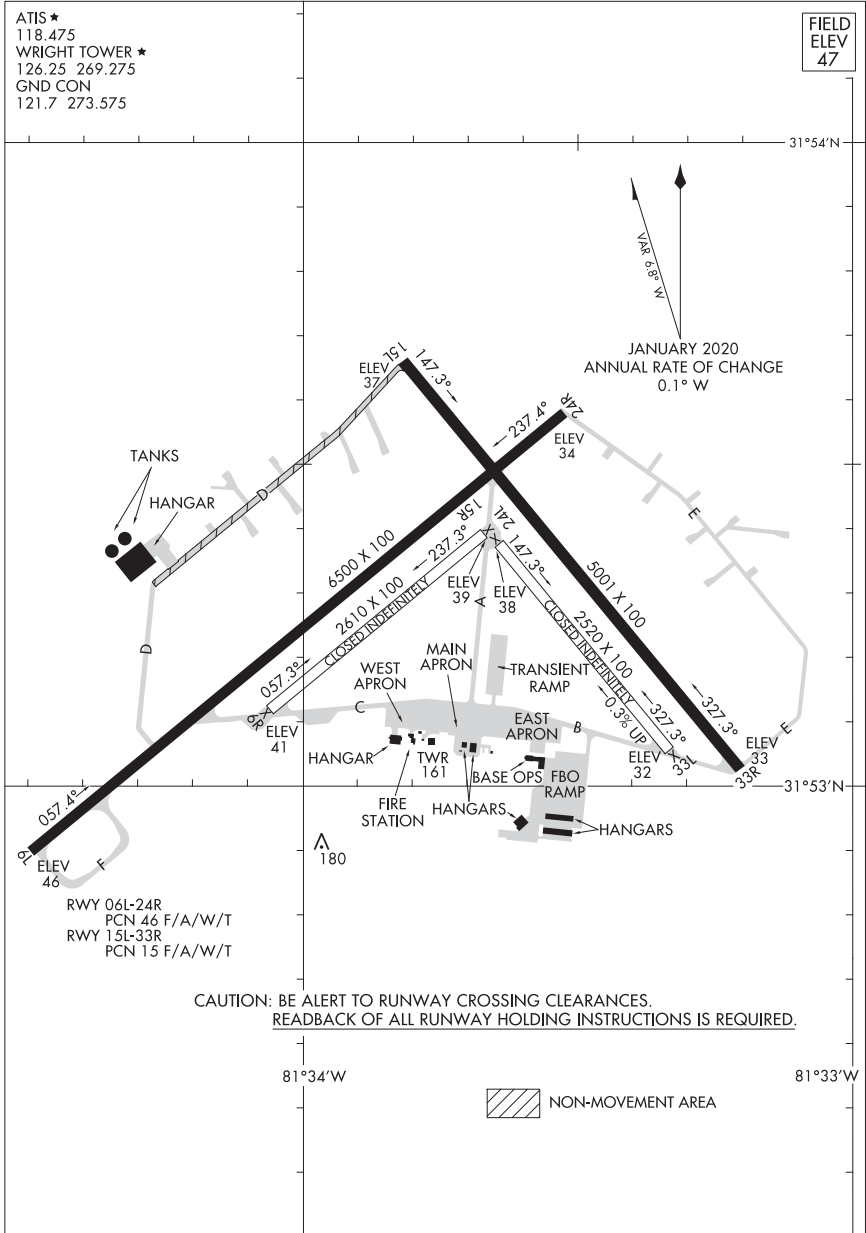
23054

WRIGHT AAF (FORT STEWART)/MIDCOAST RGNL (L.H.W)

AIRPORT DIAGRAM

AL-5170 (FAA)

FORT STEWART(HINESVILLE), GEORGIA



AIRPORT DIAGRAM

FORT STEWART(HINESVILLE), GEORGIA

23054

WRIGHT AAF (FORT STEWART)/MIDCOAST RGNL (L.H.W)

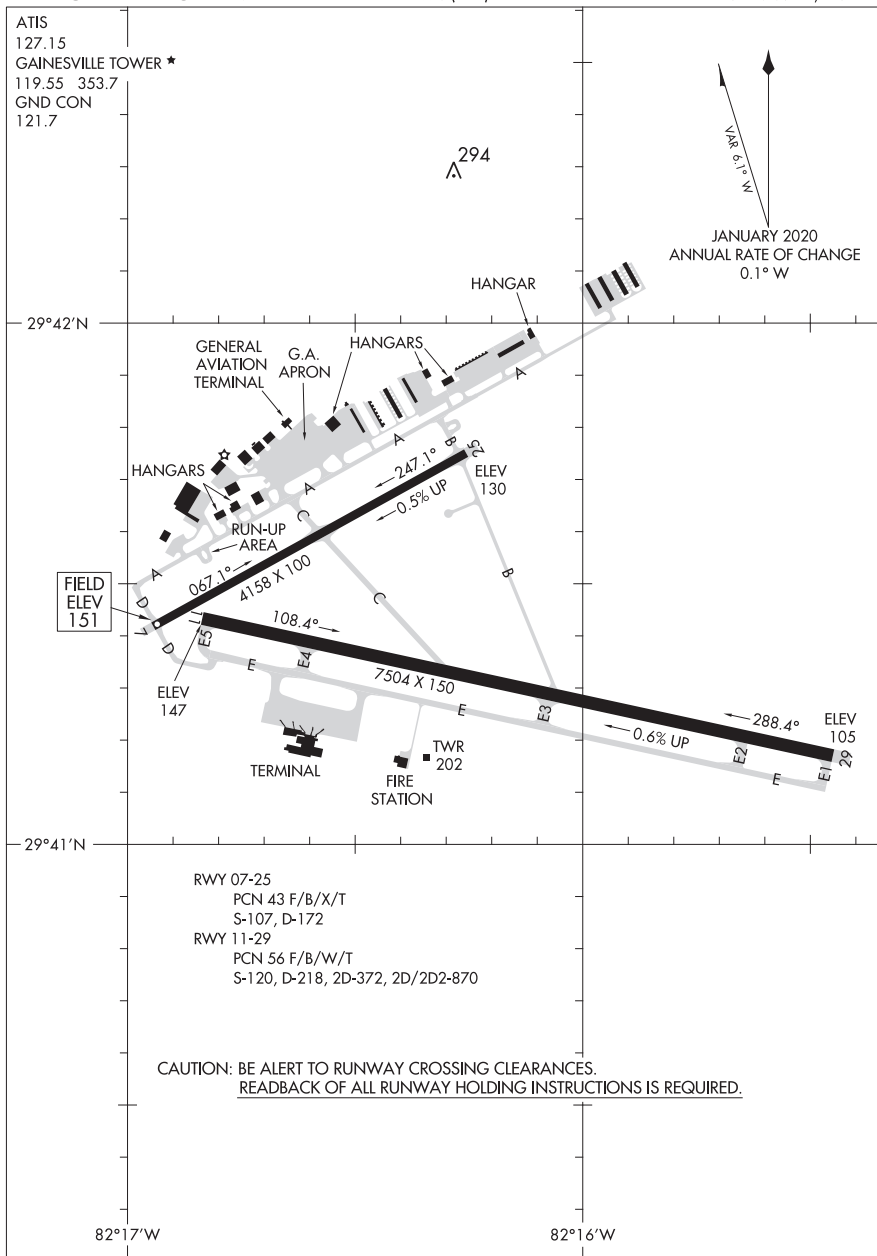
24025

AIRPORT DIAGRAM

AL-973 (FAA)

GAINESVILLE RGNL (GNTV)

GAINESVILLE, FLORIDA



AIRPORT DIAGRAM

24025

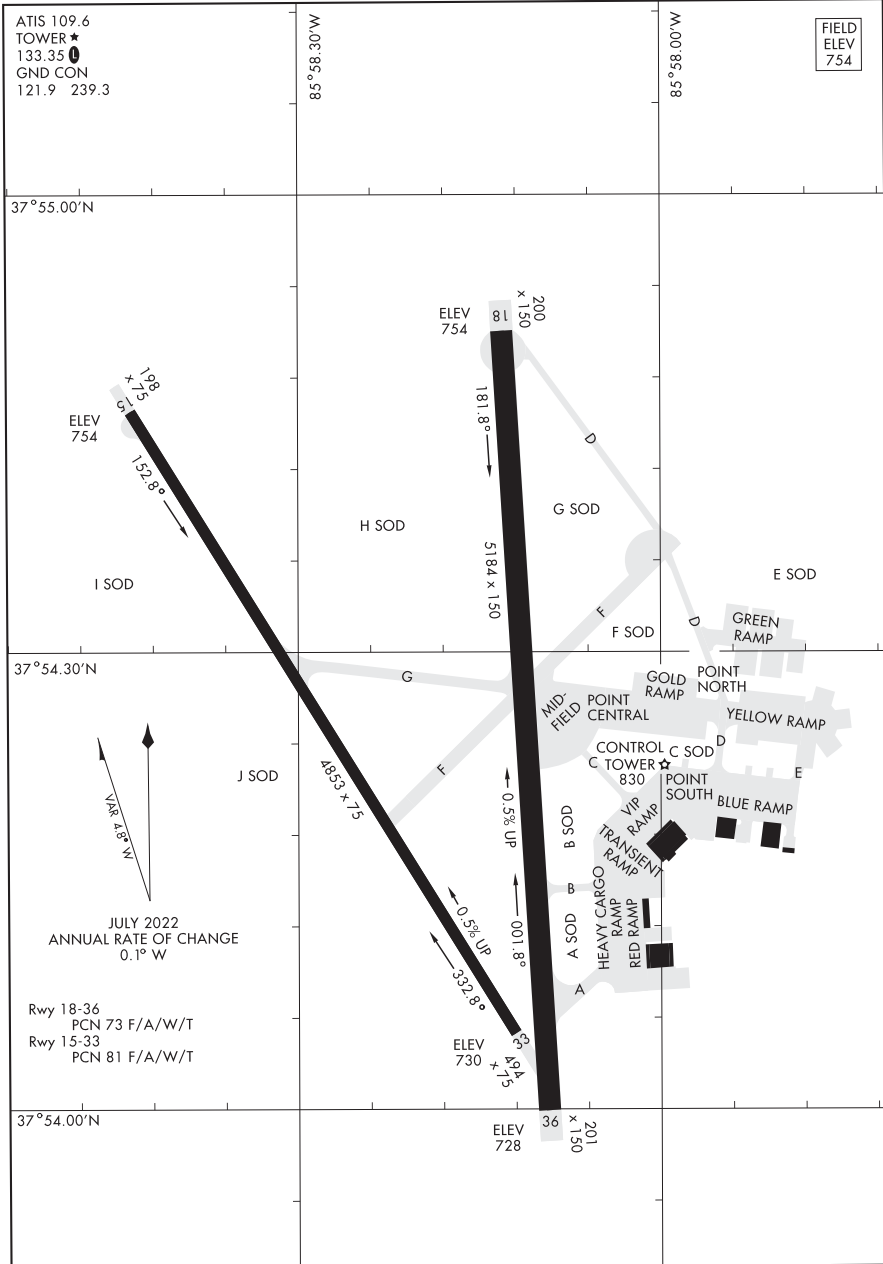
GAINESVILLE, FLORIDA

GAINESVILLE RGNL (GNTV)

AIRPORT DIAGRAM

AL-151 [USA]

FORT KNOX, KENTUCKY



AIRPORT DIAGRAM

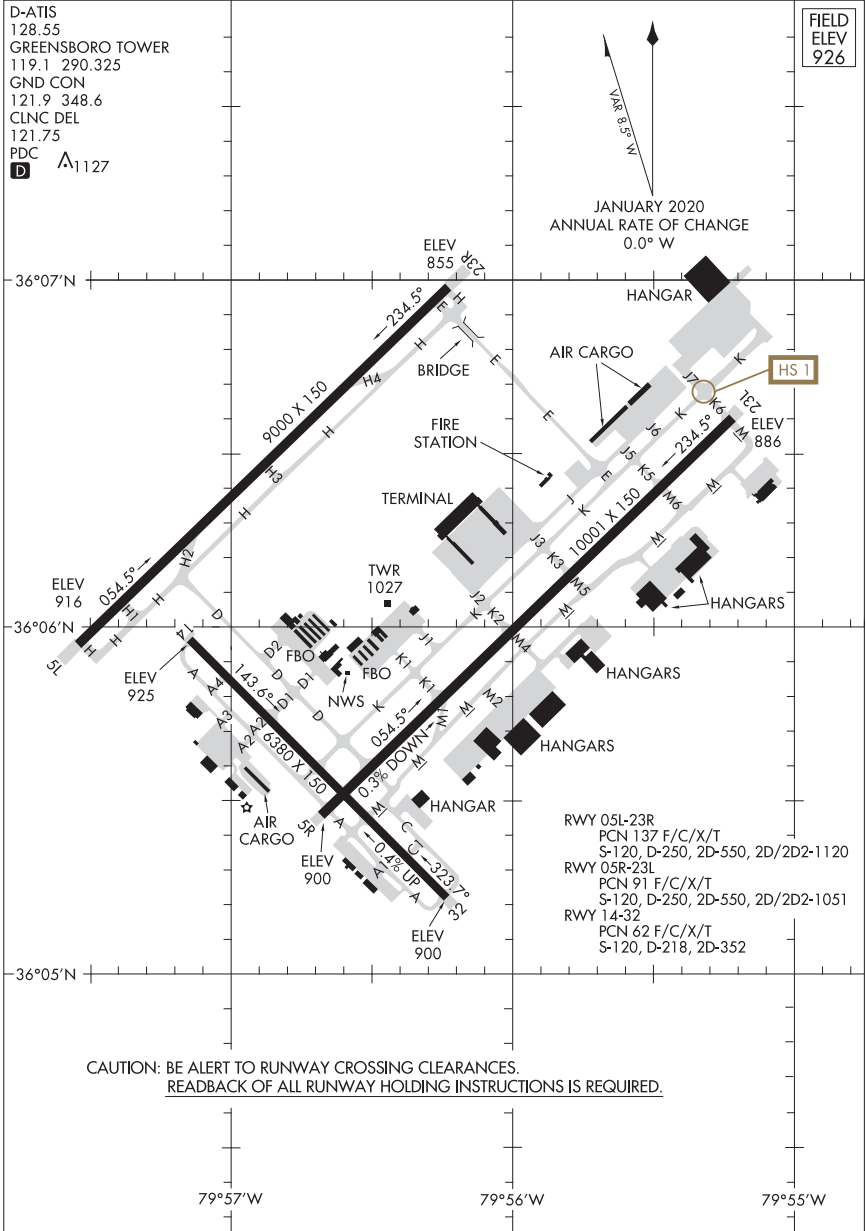
FORT KNOX, KENTUCKY  
GODMAN AAF (KFTK)

21336

AIRPORT DIAGRAM

AL-178 (FAA)

PIEDMONT TRIAD INTL (GSO)  
GREENSBORO, NORTH CAROLINA



AIRPORT DIAGRAM

21336

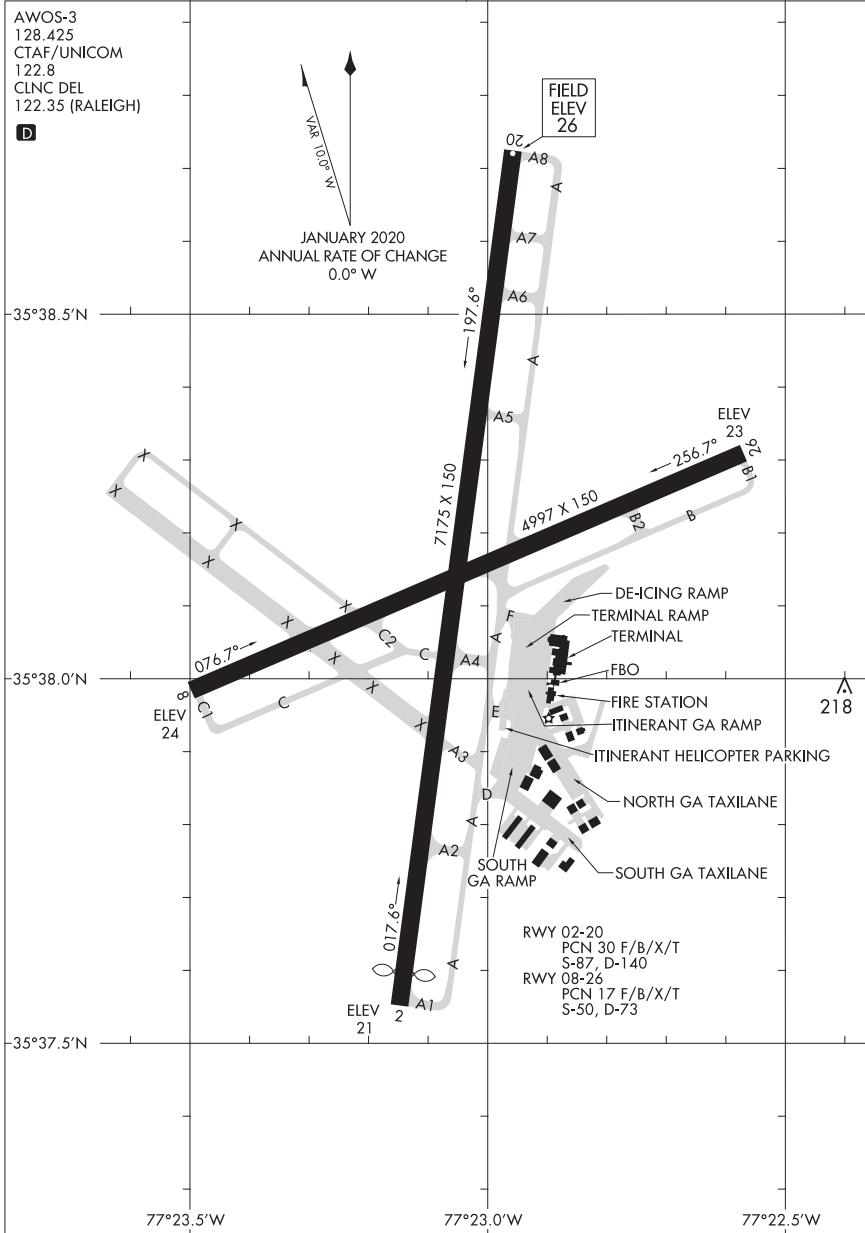
GREENSBORO, NORTH CAROLINA  
PIEDMONT TRIAD INTL (GSO)

21280

# AIRPORT DIAGRAM

AL-5521 (FAA)

PITT-GREENVILLE (PGV)  
GREENVILLE, NORTH CAROLINA



# AIRPORT DIAGRAM

21280

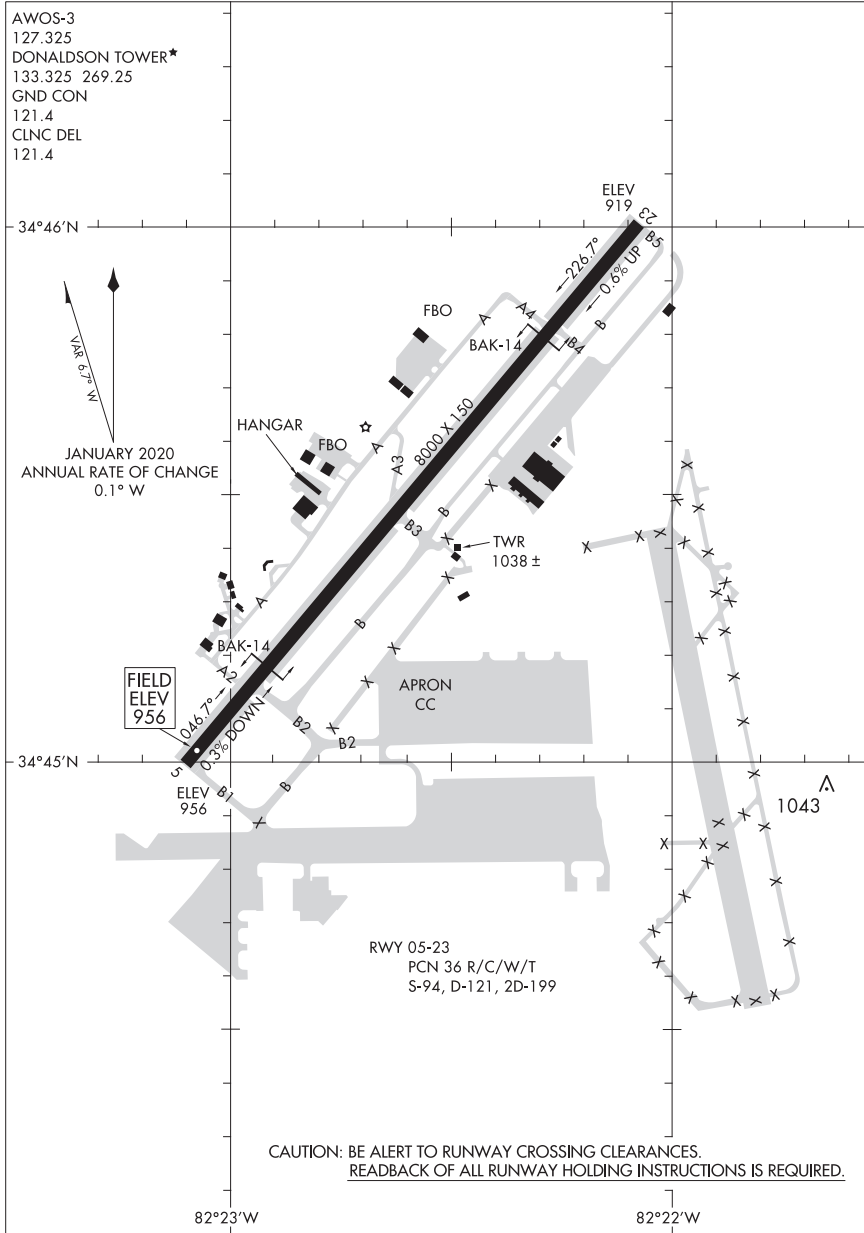
GREENVILLE, NORTH CAROLINA  
PITT-GREENVILLE (PGV)

22139

AIRPORT DIAGRAM

AL-179 (FAA)

DONALDSON FLD (GYH)  
GREENVILLE, SOUTH CAROLINA



AIRPORT DIAGRAM

22139

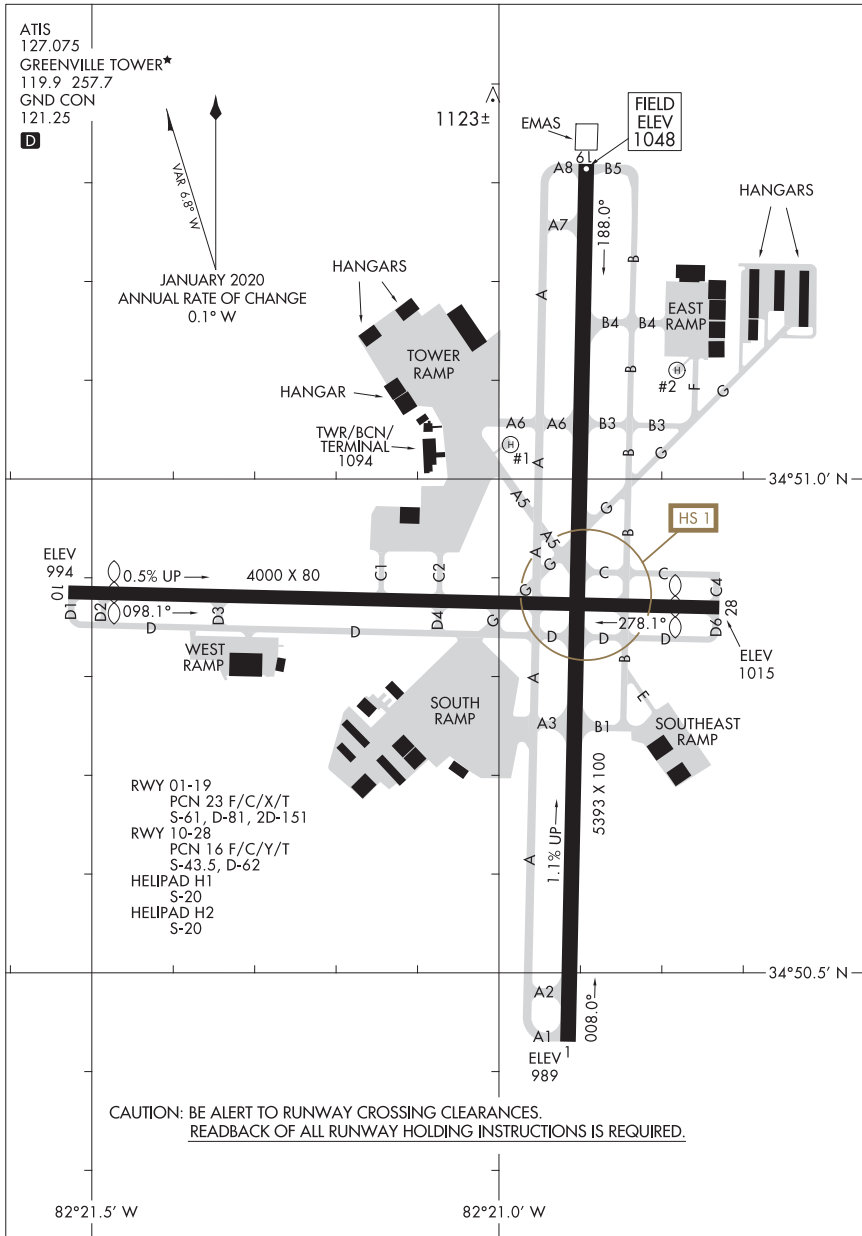
GREENVILLE, SOUTH CAROLINA  
DONALDSON FLD (GYH)

22307

# AIRPORT DIAGRAM

AL-180 (FAA)

GREENVILLE DOWNTOWN (GMU)  
GREENVILLE, SOUTH CAROLINA



# AIRPORT DIAGRAM

22307

GREENVILLE, SOUTH CAROLINA  
GREENVILLE DOWNTOWN (GMU)

22307

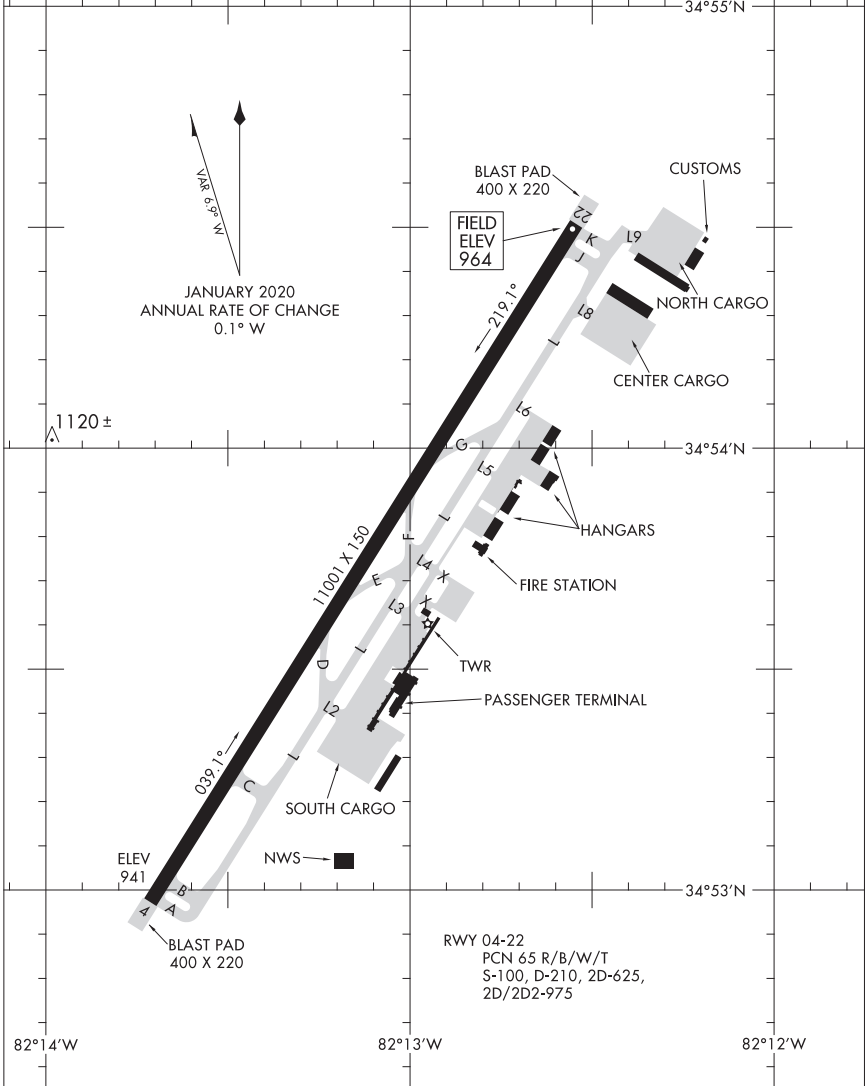
AIRPORT DIAGRAM

GREENVILLE SPARTANBURG INTL (GSP)  
GREER, SOUTH CAROLINA

AL-5124 (FAA)

ATIS  
134.25  
GREER TOWER ★  
120.1 251.15  
GND CON  
121.9  
CLNC DEL  
121.9

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



RWY 04-22  
PCN 65 R/B/W/T  
S-100, D-210, 2D-625,  
2D/2D2-975

AIRPORT DIAGRAM  
22307

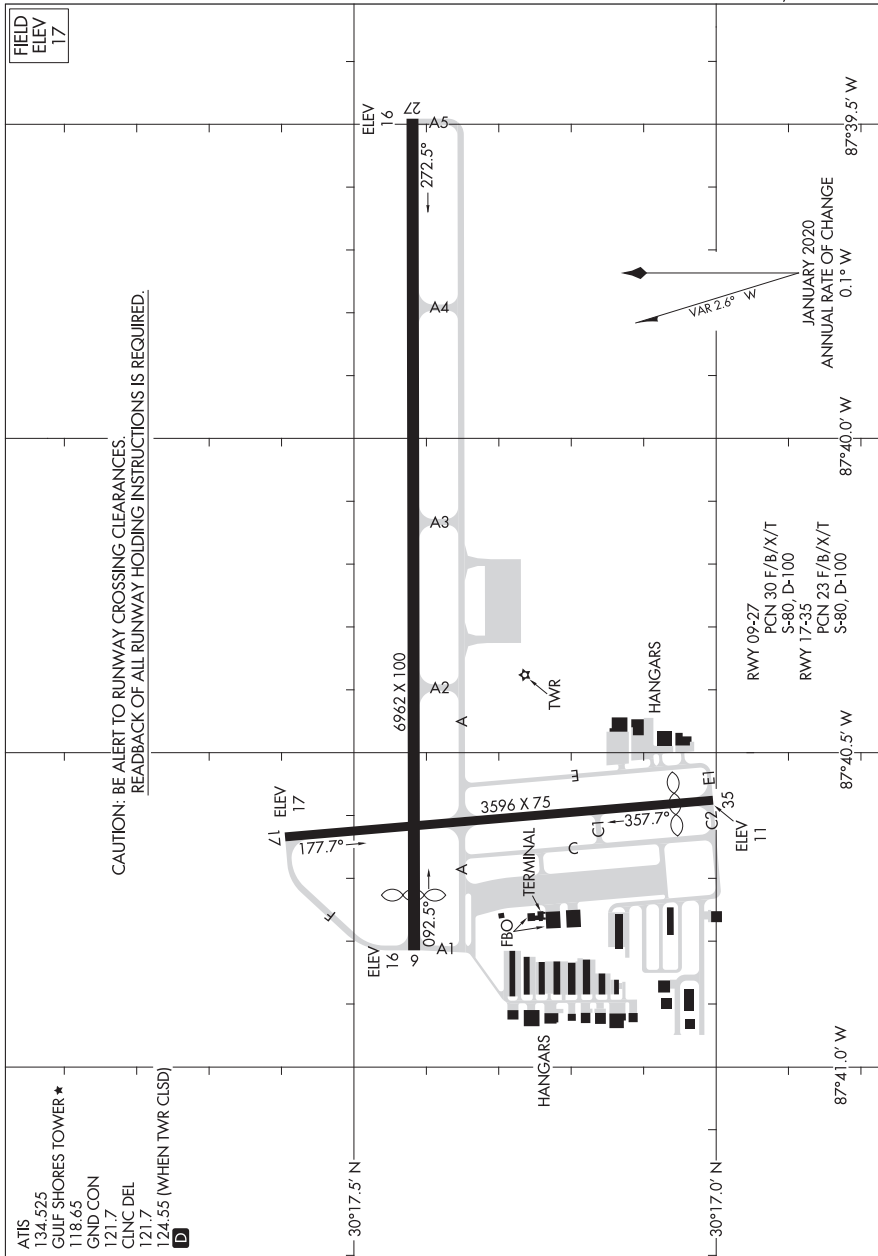
GREER, SOUTH CAROLINA  
GREENVILLE SPARTANBURG INTL (GSP)



22195

# AIRPORT DIAGRAM

GULF SHORES INTL/JACK EDWARDS FLD (JKA)  
AL-6827 (FAA)  
GULF SHORES, ALABAMA



# AIRPORT DIAGRAM

22195

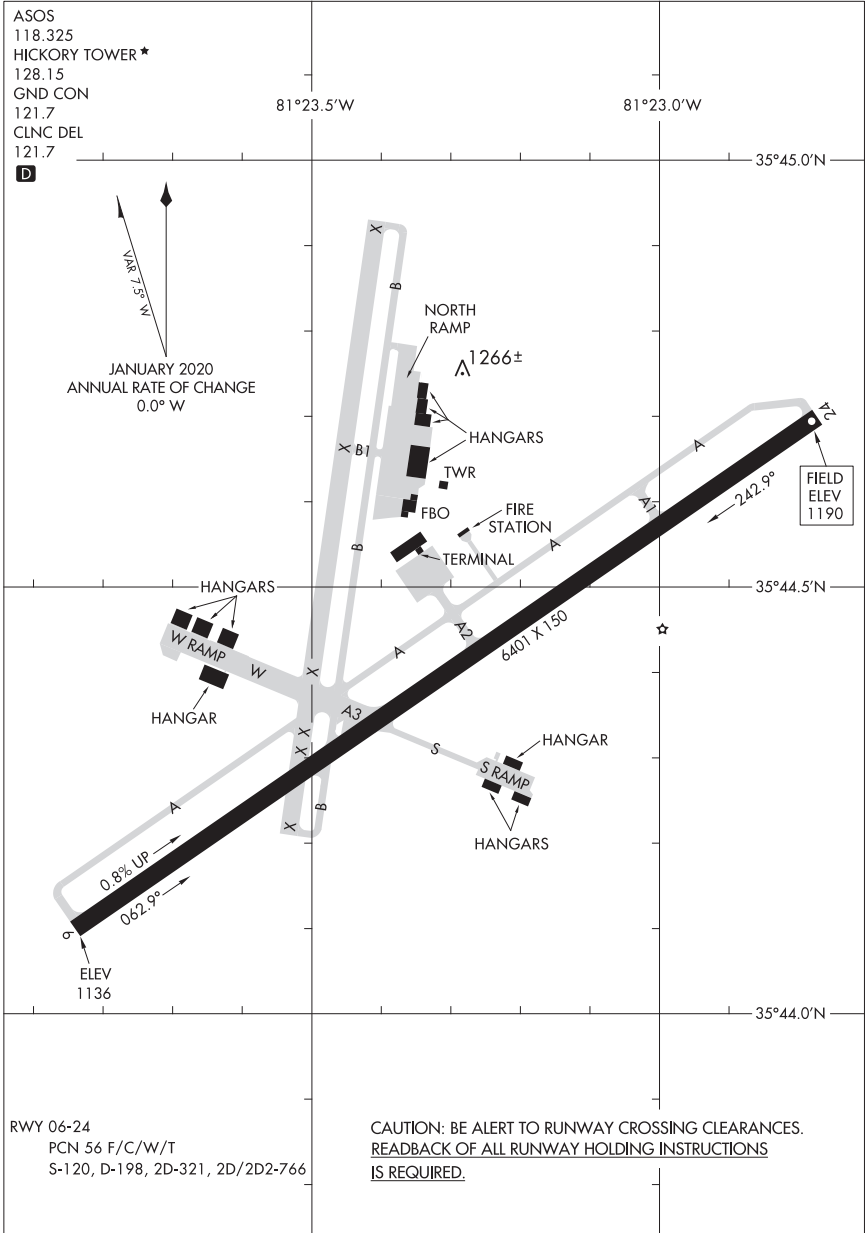
GULF SHORES, ALABAMA  
GULF SHORES INTL/JACK EDWARDS FLD (JKA)

24025

AIRPORT DIAGRAM

AL-706 (FAA)

HICKORY RGNL (HKY)  
HICKORY, NORTH CAROLINA



AIRPORT DIAGRAM

24025

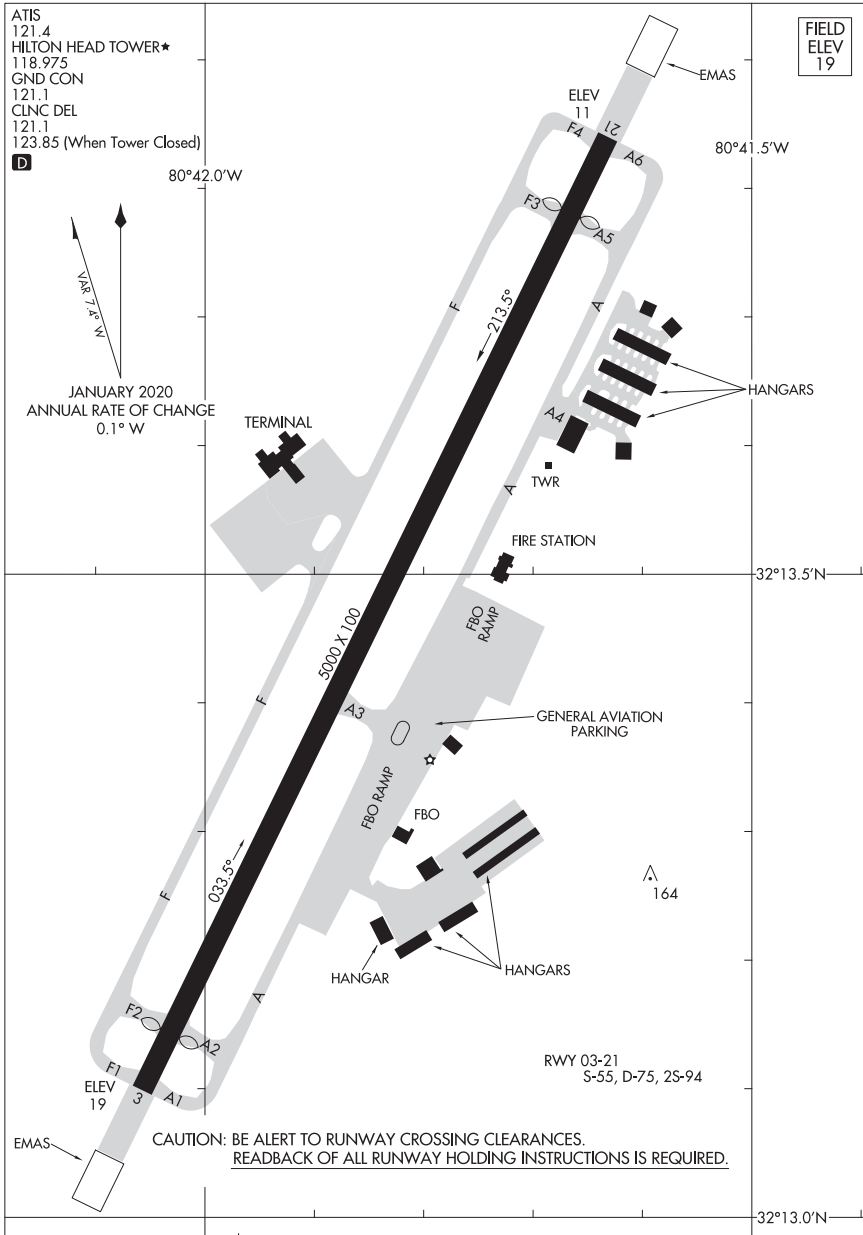
HICKORY, NORTH CAROLINA  
HICKORY RGNL (HKY)

23222

# AIRPORT DIAGRAM

AL-5709 (FAA)

HILTON HEAD (HXD)  
HILTON HEAD ISLAND, SOUTH CAROLINA



# AIRPORT DIAGRAM

23222

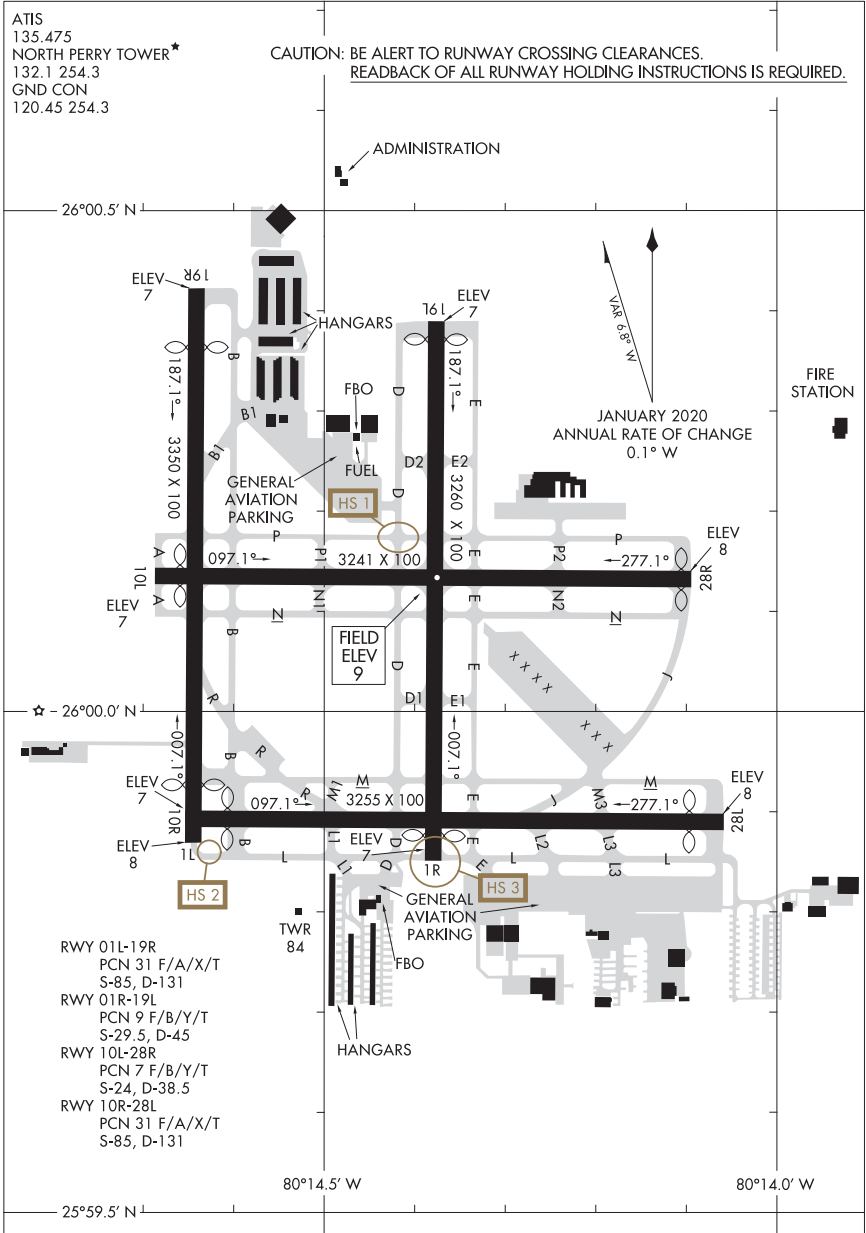
HILTON HEAD ISLAND, SOUTH CAROLINA  
HILTON HEAD (HXD)

24025

AIRPORT DIAGRAM

AL-5606 (FAA)

NORTH PERRY (HWO)  
HOLLYWOOD, FLORIDA



AIRPORT DIAGRAM

HOLLYWOOD, FLORIDA  
NORTH PERRY (HWO)

24025

17005

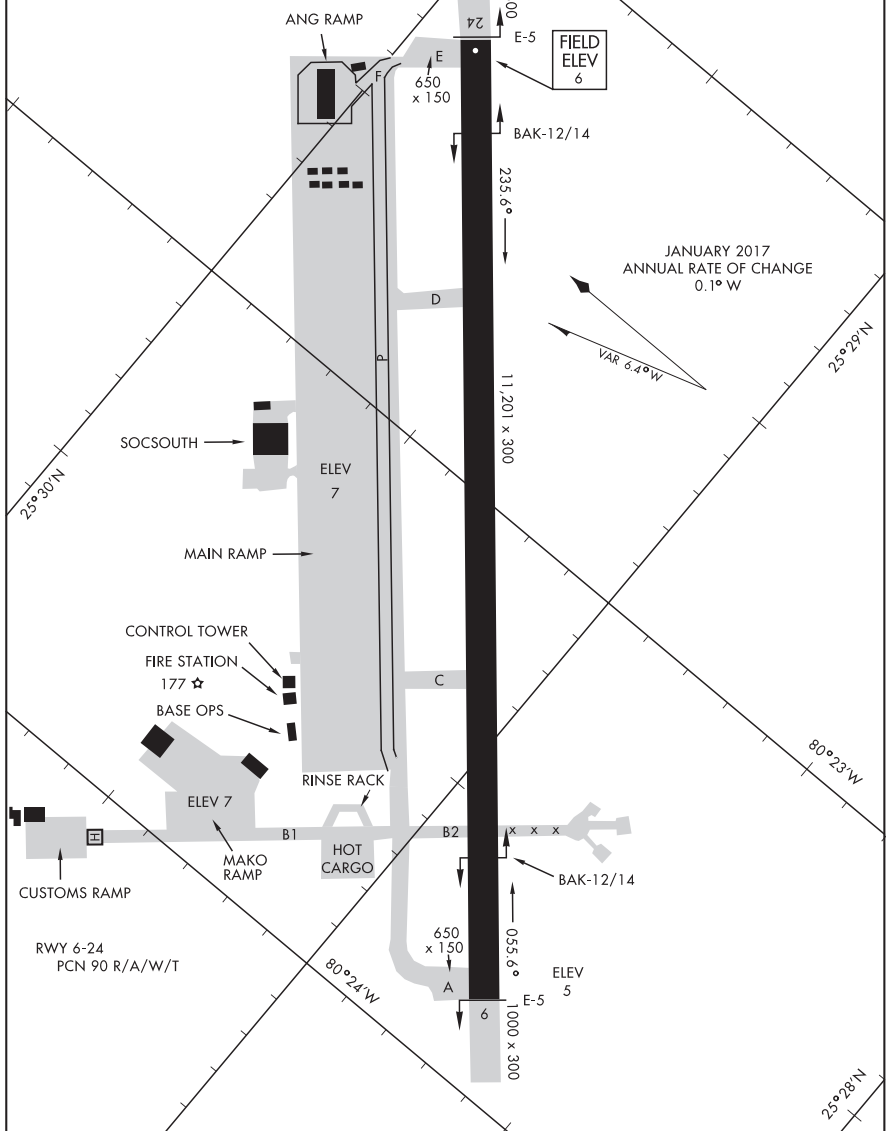
HOMESTEAD ARB (KHST)

# AIRPORT DIAGRAM

AFD-494 [USAF]

HOMESTEAD, FLORIDA

ATIS ★ 132.275 269.9  
 HOMESTEAD TOWER  
 133.45 279.55  
 GND CON  
 121.75 275.8  
 CLNC DEL  
 121.75 275.8



# AIRPORT DIAGRAM

HOMESTEAD, FLORIDA

HOMESTEAD ARB (KHST)

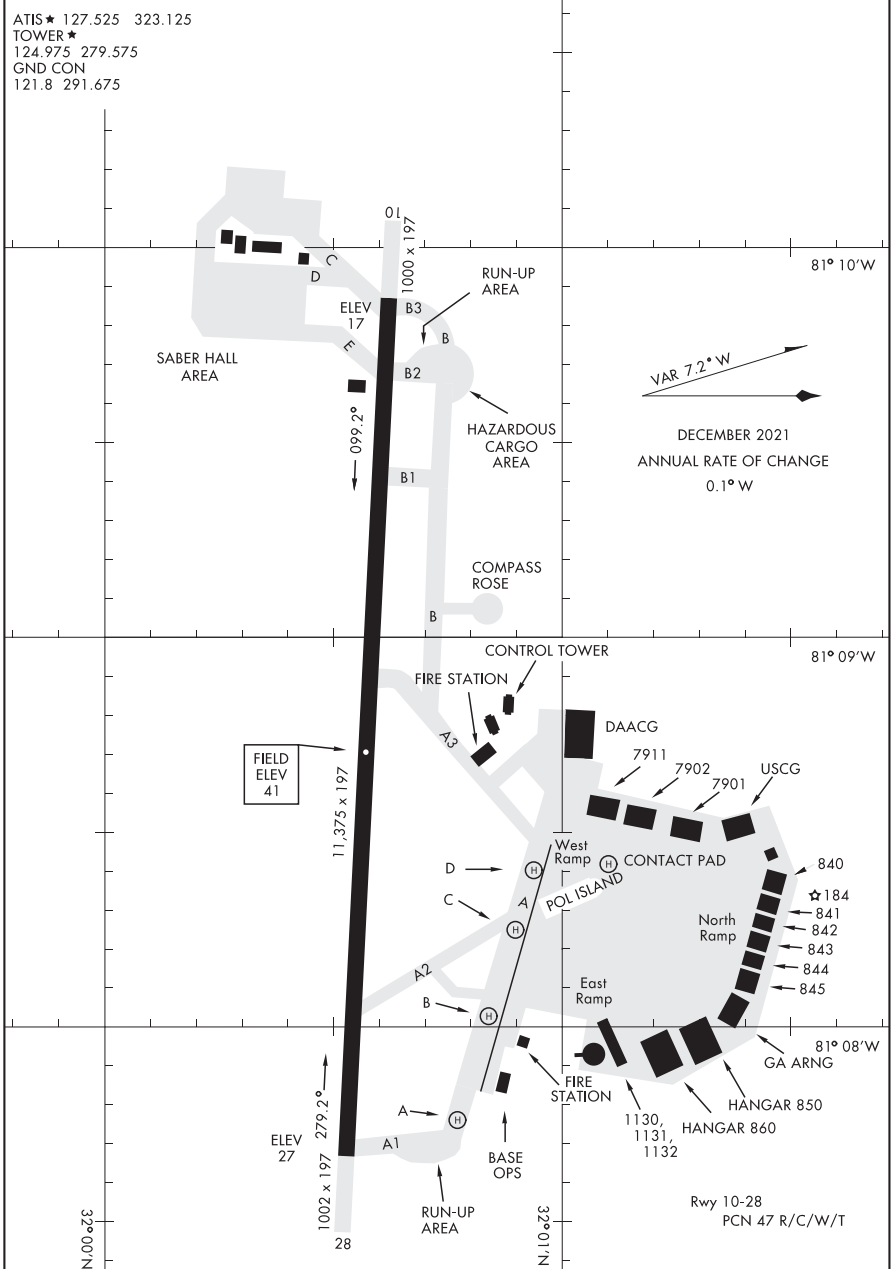
21336

HUNTER AAF (KSVN)

AIRPORT DIAGRAM

AL-381 [USA]

SAVANNAH, GEORGIA



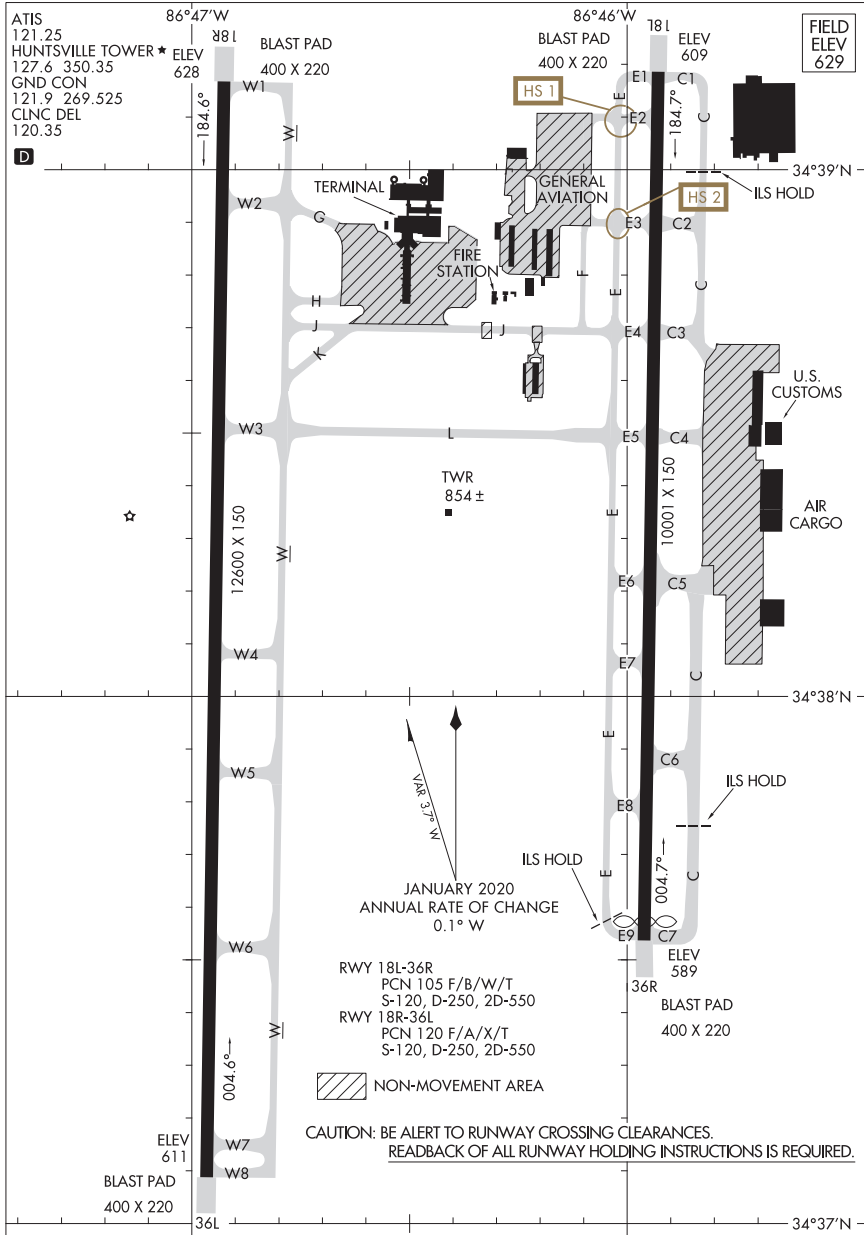
AIRPORT DIAGRAM

SAVANNAH, GEORGIA  
HUNTER AAF (KSVN)

22139

# AIRPORT DIAGRAM

HUNTSVILLE INTL-CARL T JONES FLD (HSV)  
AL-5488 (FAA) HUNTSVILLE, ALABAMA



# AIRPORT DIAGRAM

22139

HUNTSVILLE, ALABAMA  
HUNTSVILLE INTL-CARL T JONES FLD (HSV)

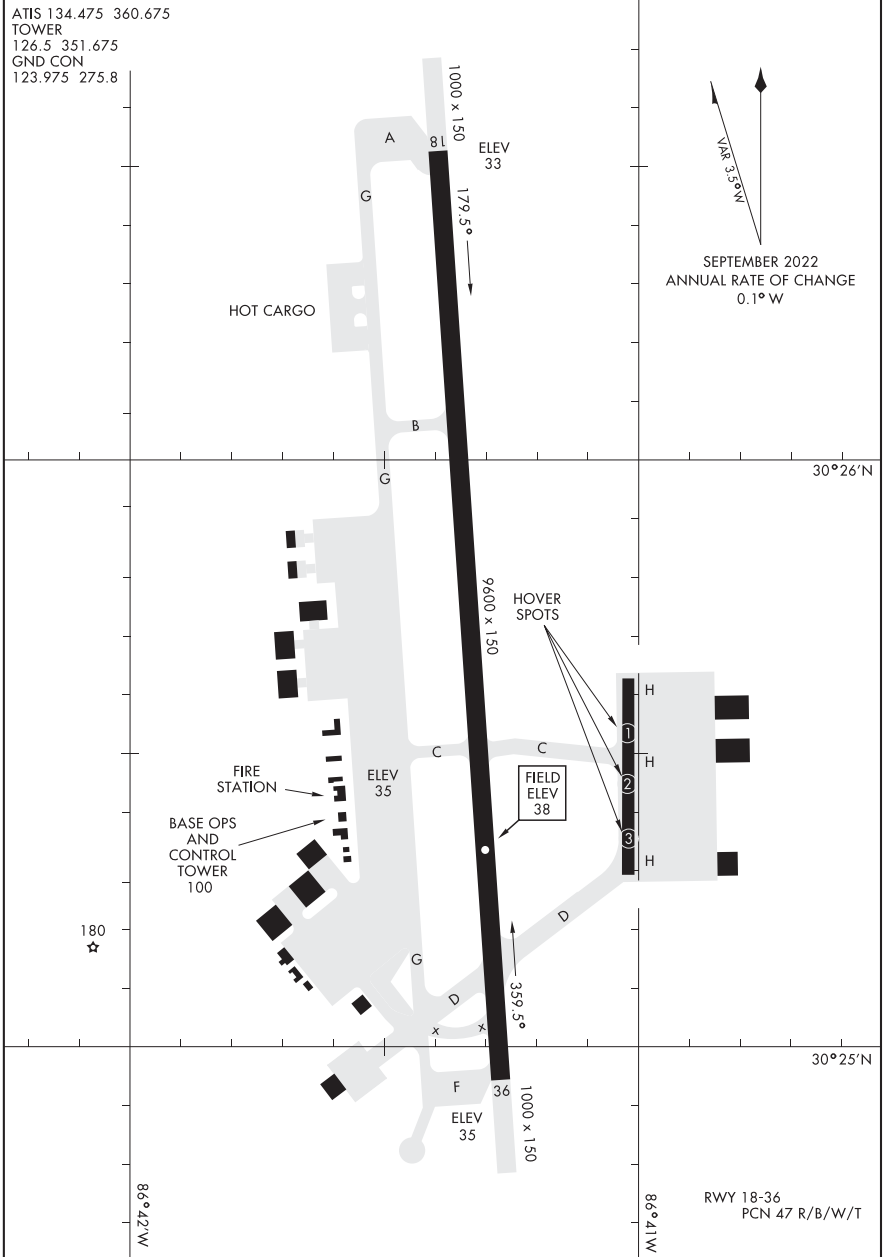
22251

HURLBURT FLD (KHRT)

AIRPORT DIAGRAM

AL-734 [USAF]

MARY ESTHER, FLORIDA



AIRPORT DIAGRAM

MARY ESTHER, FLORIDA  
HURLBURT FLD (KHRT)



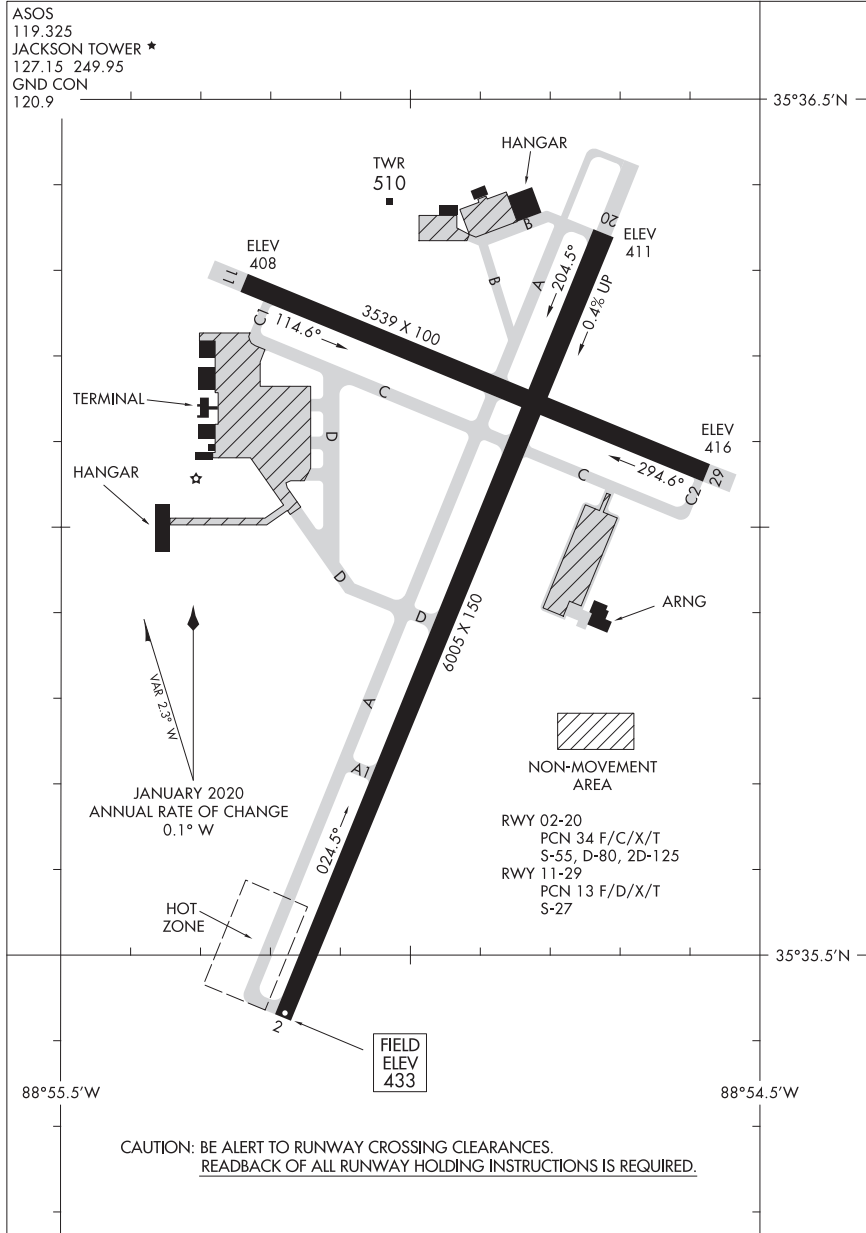
23166

# AIRPORT DIAGRAM

AL-5062 (FAA)

MC KELLAR-SIPES RGNL (MKL)

JACKSON, TENNESSEE



# AIRPORT DIAGRAM

23166

JACKSON, TENNESSEE

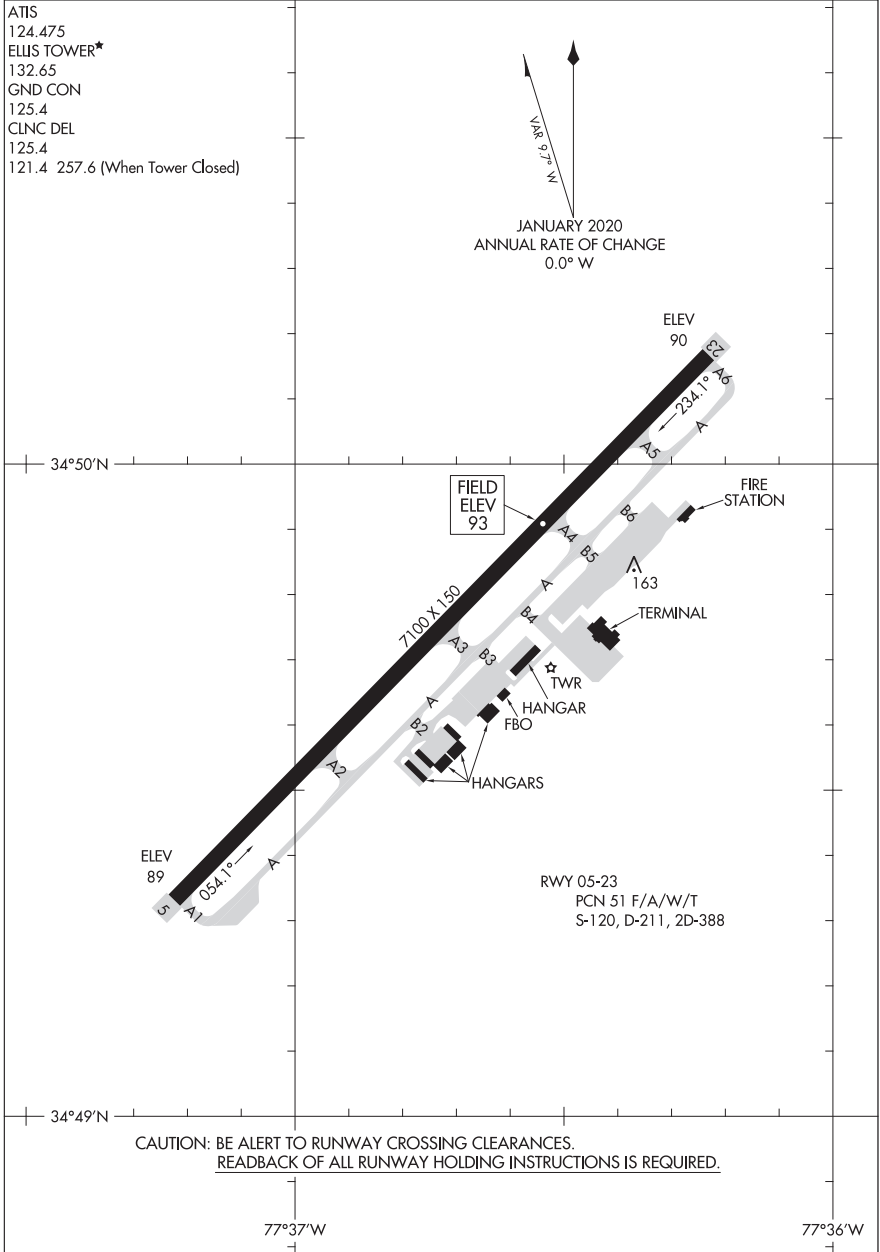
MC KELLAR-SIPES RGNL (MKL)

20086

AIRPORT DIAGRAM

AL-5880 (FAA)

ALBERT J ELLIS/JACKSONVILLE (OAJ)  
JACKSONVILLE, NORTH CAROLINA



AIRPORT DIAGRAM  
20086

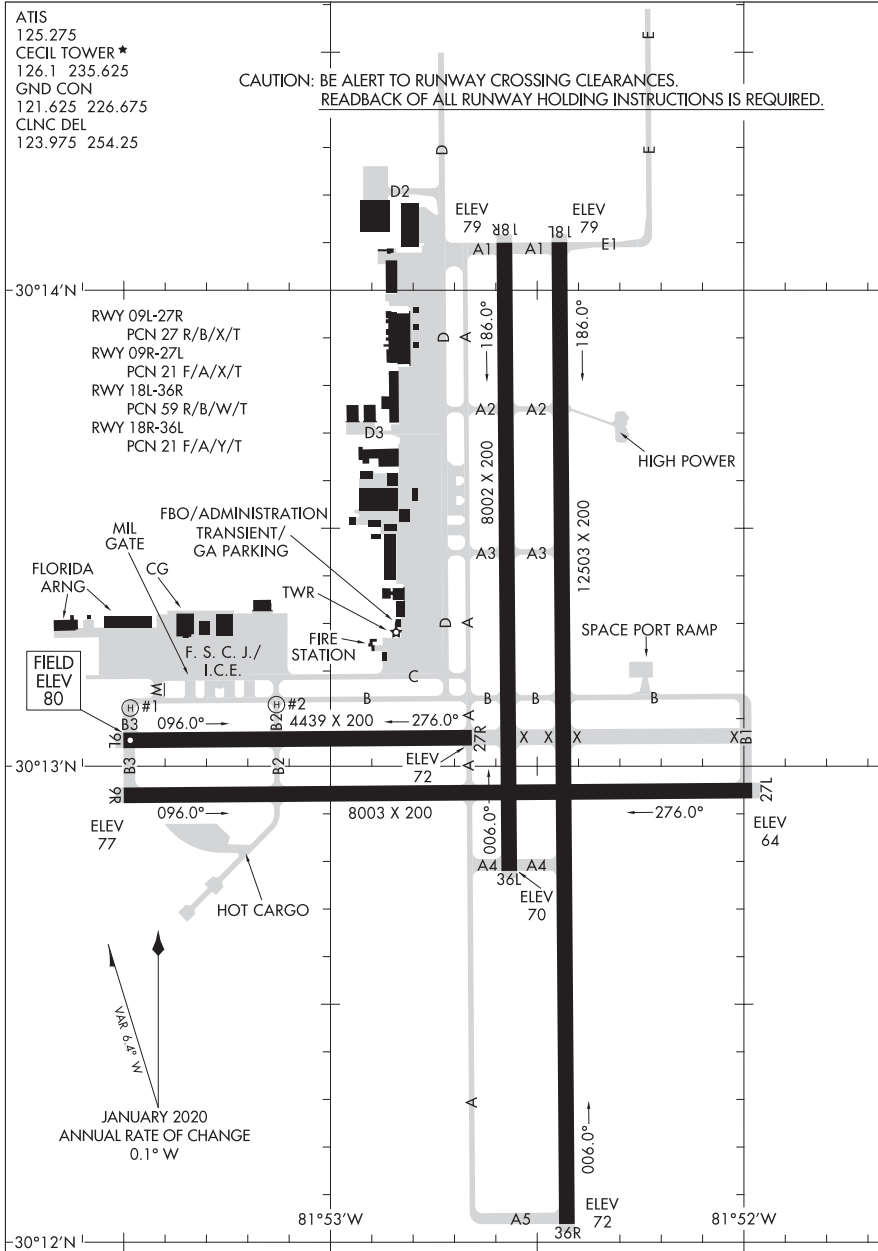
JACKSONVILLE, NORTH CAROLINA  
ALBERT J ELLIS/JACKSONVILLE (OAJ)

22307

AIRPORT DIAGRAM

AL-998 (FAA)

CECIL (VQQ)  
JACKSONVILLE, FLORIDA



AIRPORT DIAGRAM

JACKSONVILLE, FLORIDA  
CECIL (VQQ)

22307

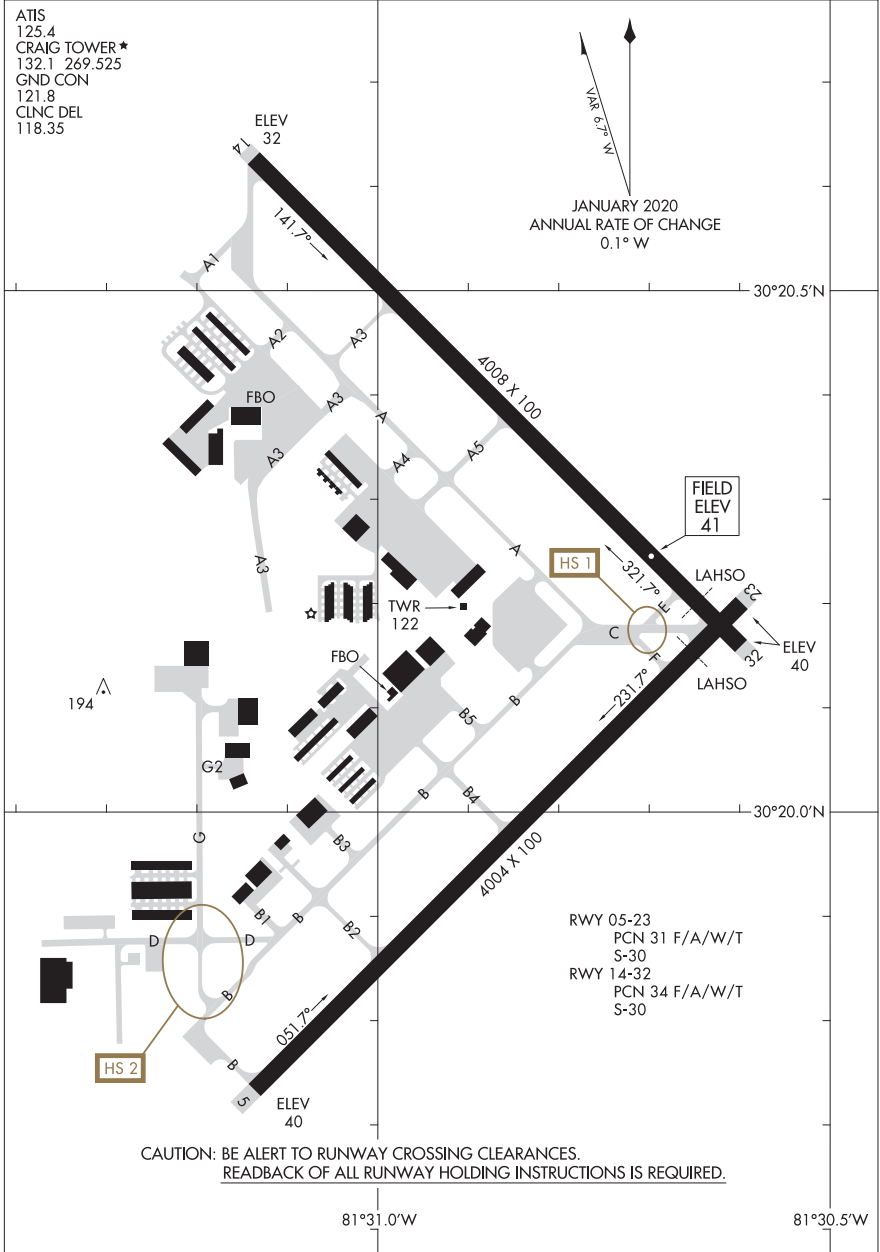
21168

AIRPORT DIAGRAM

JACKSONVILLE EXEC AT CRAIG (CRG)

AL-208 (FAA)

JACKSONVILLE, FLORIDA



ATIS  
 125.4  
 CRAIG TOWER ★  
 132.1 269.525  
 GND CON  
 121.8  
 CLNC DEL  
 118.35

JAN 0.1° W  
 JANUARY 2020  
 ANNUAL RATE OF CHANGE  
 0.1° W

RWY 05-23  
 PCN 31 F/A/W/T  
 S-30  
 RWY 14-32  
 PCN 34 F/A/W/T  
 S-30

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
 READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

21168

JACKSONVILLE, FLORIDA

JACKSONVILLE EXEC AT CRAIG (CRG)

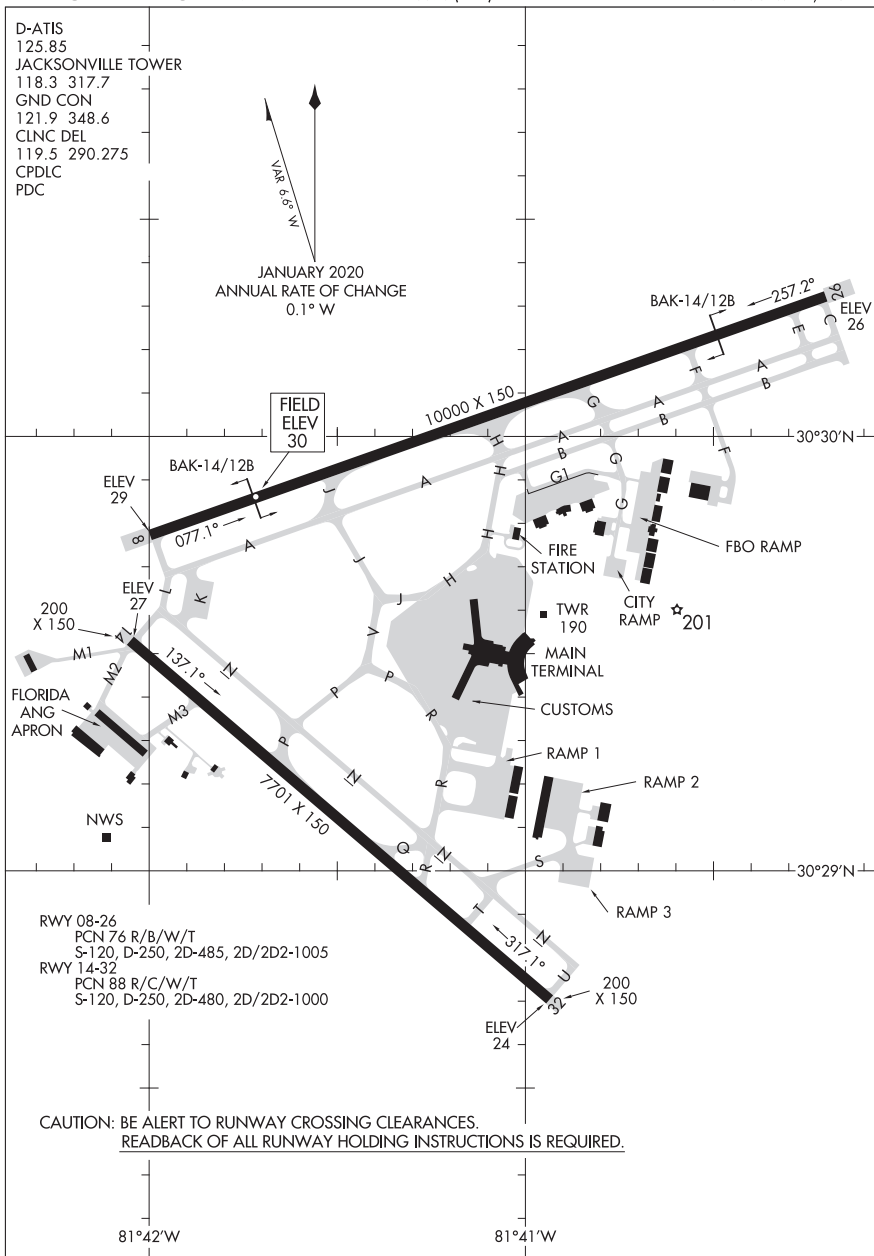
22083

AIRPORT DIAGRAM

AL-5570 (FAA)

JACKSONVILLE INTL (JAX)

JACKSONVILLE, FLORIDA



AIRPORT DIAGRAM

22083

JACKSONVILLE, FLORIDA

JACKSONVILLE INTL (JAX)

23334

JACKSONVILLE NAS (TOWERS FLD) (KNIP)

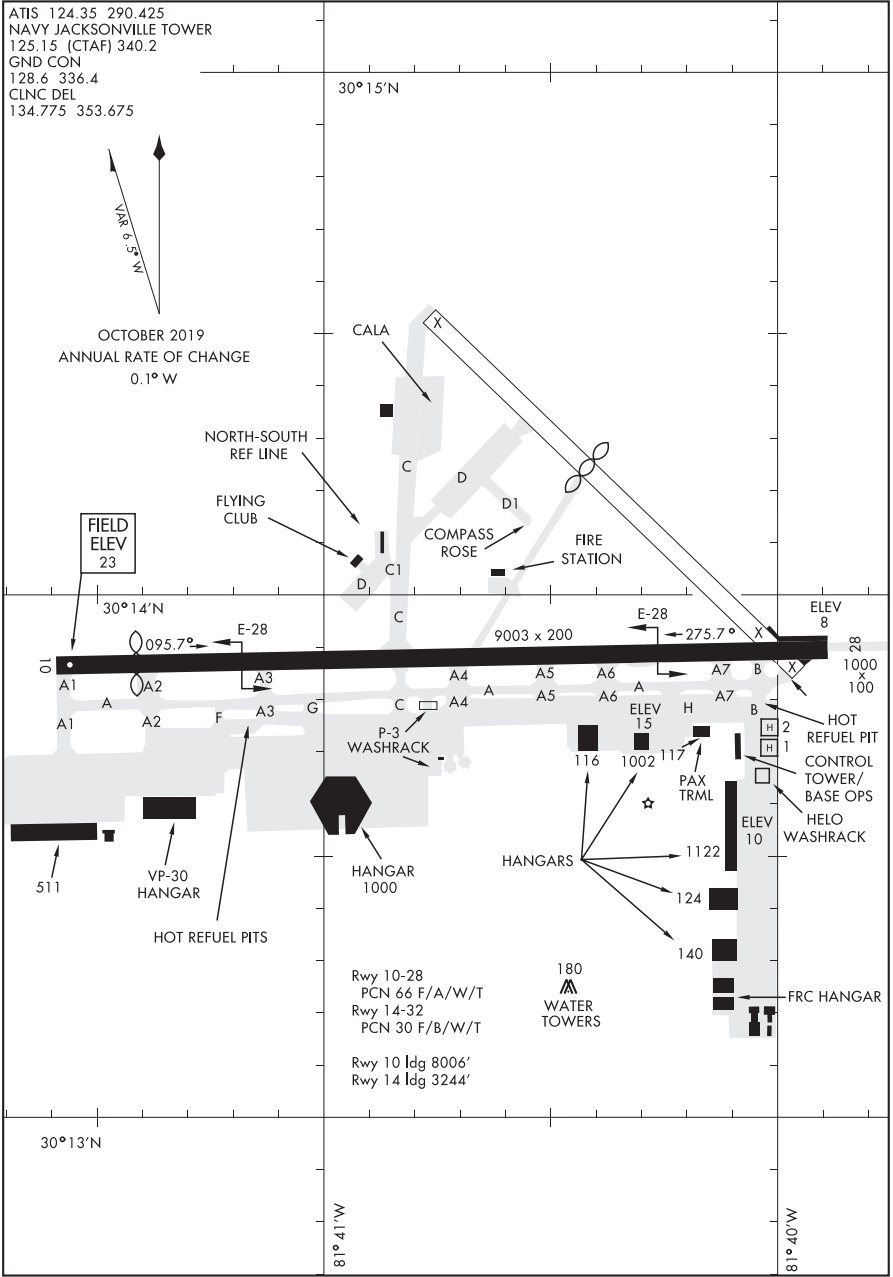
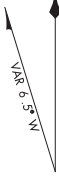
AIRPORT DIAGRAM

[USN]

JACKSONVILLE, FLORIDA

ATIS 124.35 290.425  
 NAVY JACKSONVILLE TOWER  
 125.15 (CTAF) 340.2  
 GND CON  
 128.6 336.4  
 CLNC DEL  
 134.775 353.675

OCTOBER 2019  
 ANNUAL RATE OF CHANGE  
 0.1° W



AIRPORT DIAGRAM

JACKSONVILLE, FLORIDA  
JACKSONVILLE NAS (TOWERS FLD) (KNIP)

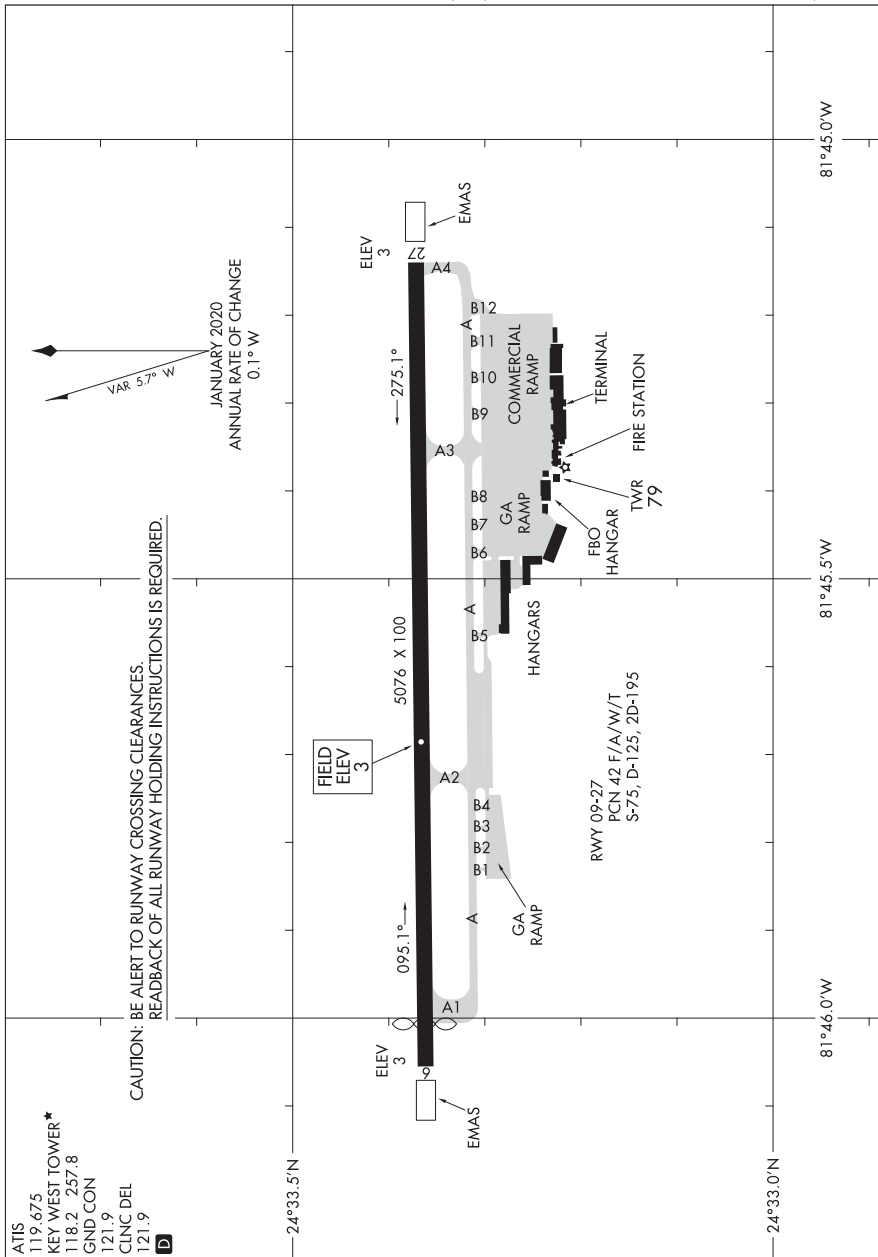
22363

AIRPORT DIAGRAM

AL-606 (FAA)

KEY WEST INTL (EYW)

KEY WEST, FLORIDA



AIRPORT DIAGRAM

KEY WEST, FLORIDA

22363

KEY WEST INTL (EYW)

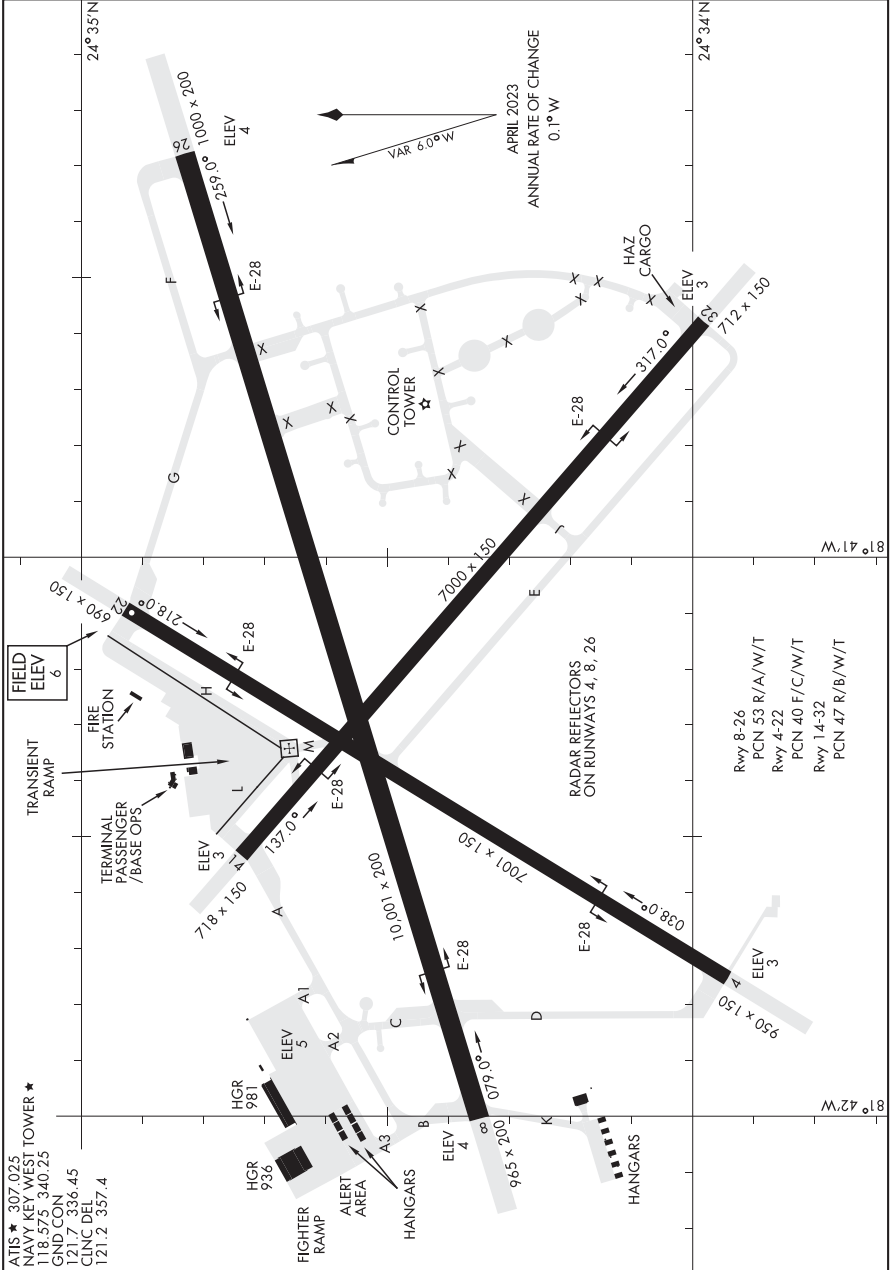
23110

KEY WEST NAS (BOCA CHICA FLD) (KNQX)

AIRPORT DIAGRAM

AL-214 [USN]

KEY WEST, FLORIDA



AIRPORT DIAGRAM

KEY WEST, FLORIDA  
KEY WEST NAS (BOCA CHICA FLD) (KNQX)



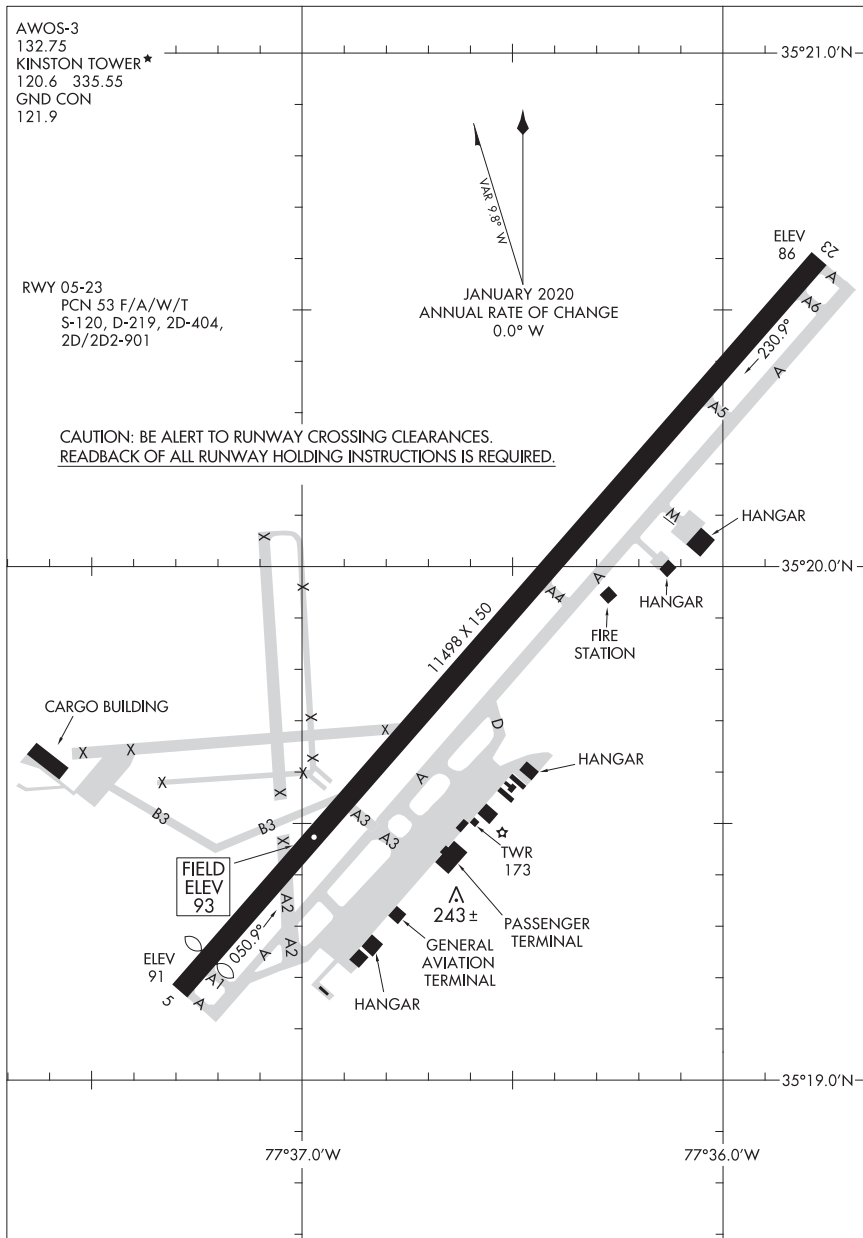
22083

# AIRPORT DIAGRAM

KINSTON RGNL JETPORT AT STALLINGS FLD (ISO)

AL-5038 (FAA)

KINSTON, NORTH CAROLINA



# AIRPORT DIAGRAM

22083

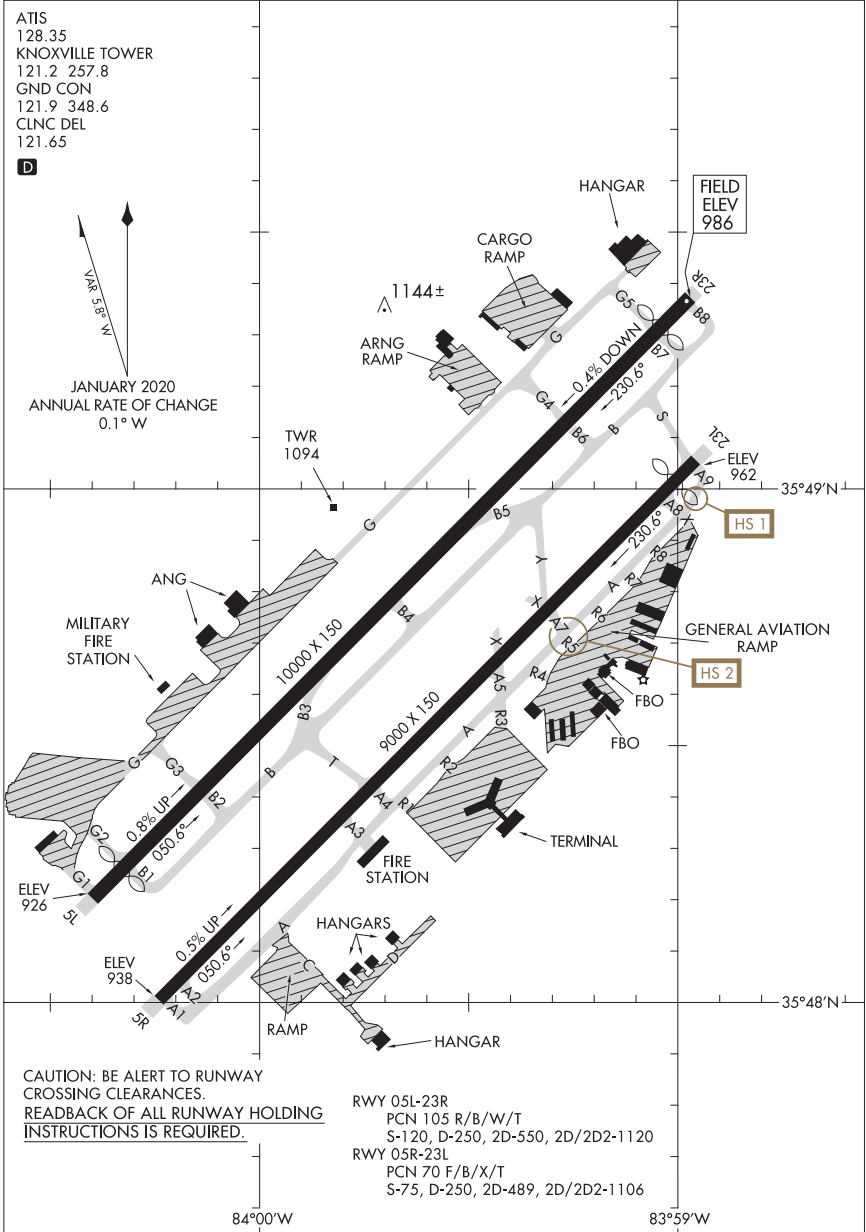
KINSTON, NORTH CAROLINA  
KINSTON RGNL JETPORT AT STALLINGS FLD (ISO)

24025

AIRPORT DIAGRAM

AL-218 (FAA)

MC GHEE TYSON (TYS)  
KNOXVILLE, TENNESSEE



AIRPORT DIAGRAM

24025

KNOXVILLE, TENNESSEE  
MC GHEE TYSON (TYS)

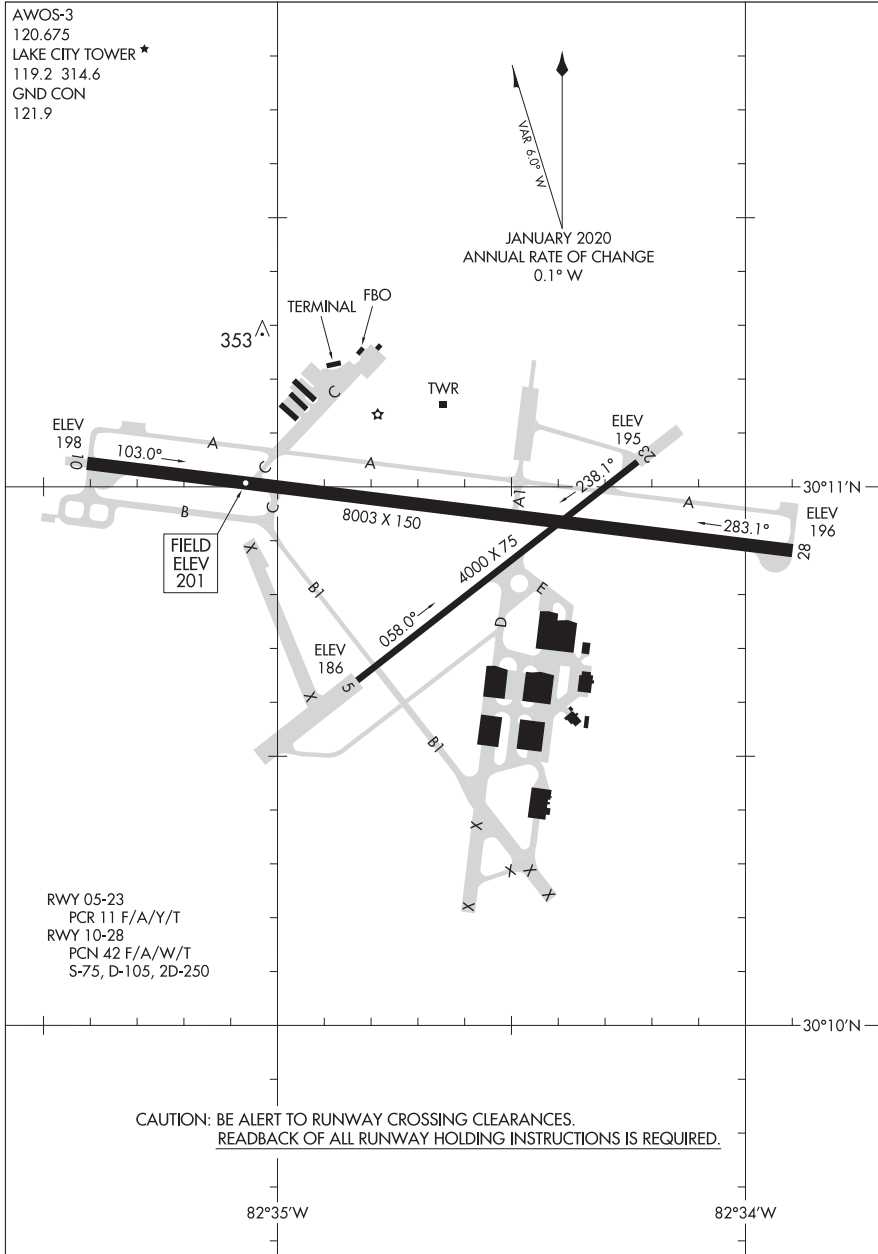
23054

LAKE CITY GATEWAY (LCQ)

AIRPORT DIAGRAM

AL-811 (FAA)

LAKE CITY, FLORIDA



AIRPORT DIAGRAM

23054

LAKE CITY, FLORIDA  
LAKE CITY GATEWAY (LCQ)

23278

AIRPORT DIAGRAM

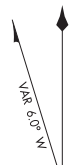
AL-939 (FAA)

LAKELAND LINDER INTL. (L.A.L.)

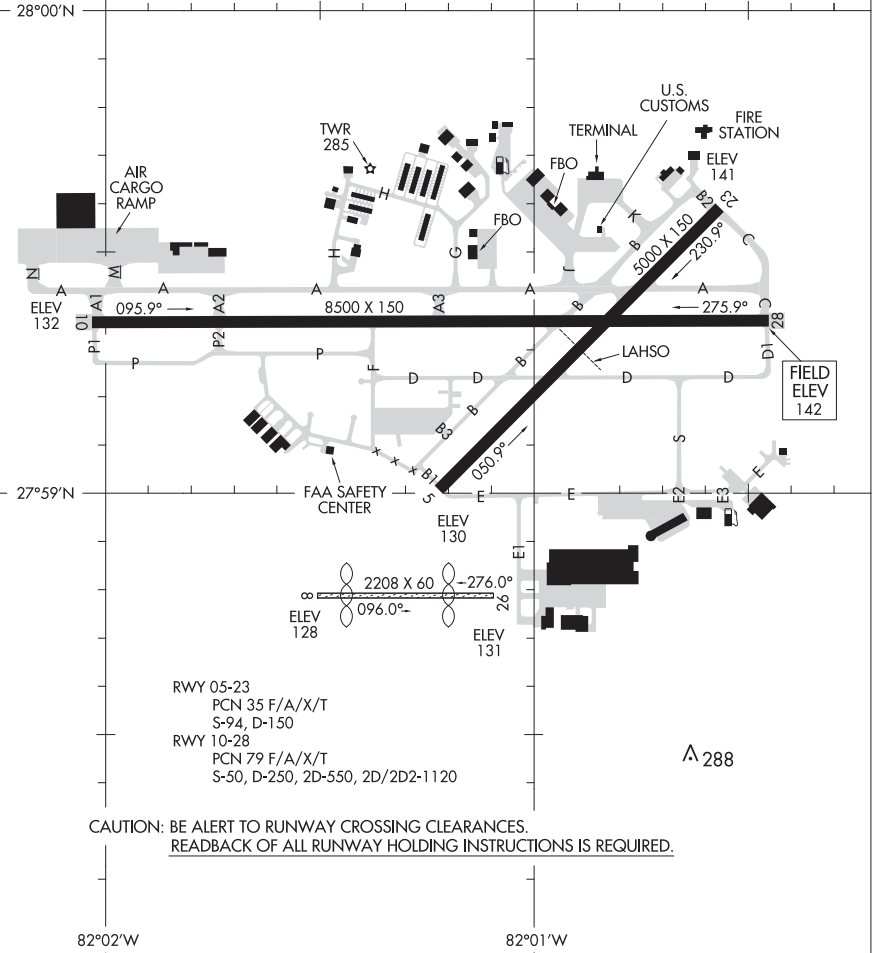
LAKELAND, FLORIDA

ATIS  
118.025  
LAKELAND TOWER  
124.5 236.775  
GND CON  
121.4

D



JANUARY 2020  
ANNUAL RATE OF CHANGE  
0.1° W



RWY 05-23  
PCN 35 F/A/X/T  
S-94, D-150  
RWY 10-28  
PCN 79 F/A/X/T  
S-50, D-250, 2D-550, 2D/2D2-1120

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

23278

LAKELAND, FLORIDA

LAKELAND LINDER INTL. (L.A.L.)

22083

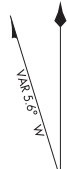
GWINNETT COUNTY/BRISCOE FLD (LZU)

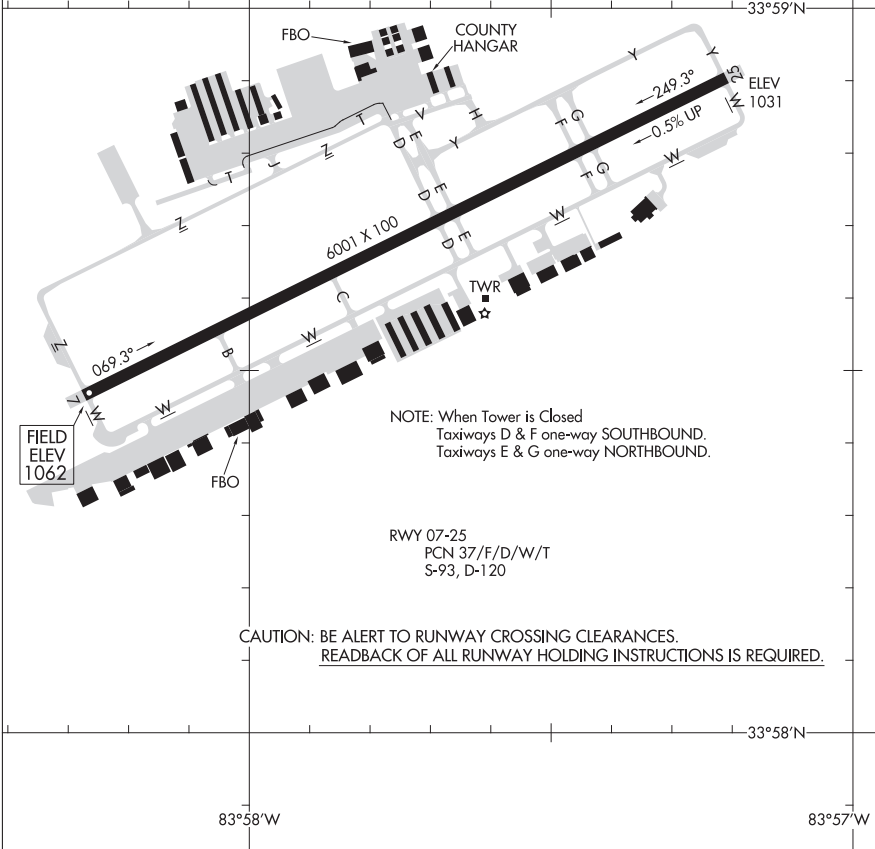
# AIRPORT DIAGRAM

AL-5385 (FAA)

LAWRENCEVILLE, GEORGIA

ATIS  
 132.275  
 GWINNETT TOWER ★  
 124.1  
 GND CON  
 121.8  
 CLNC DEL  
 121.8  
 134.0 (WHEN TWR CLSD)

  
 JANUARY 2020  
 ANNUAL RATE OF CHANGE  
 0.1° W



NOTE: When Tower is Closed  
 Taxiways D & F one-way SOUTHBOUND.  
 Taxiways E & G one-way NORTHBOUND.

RWY 07-25  
 PCN 37/F/D/W/T  
 S-93, D-120

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
 READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

# AIRPORT DIAGRAM

22083

LAWRENCEVILLE, GEORGIA

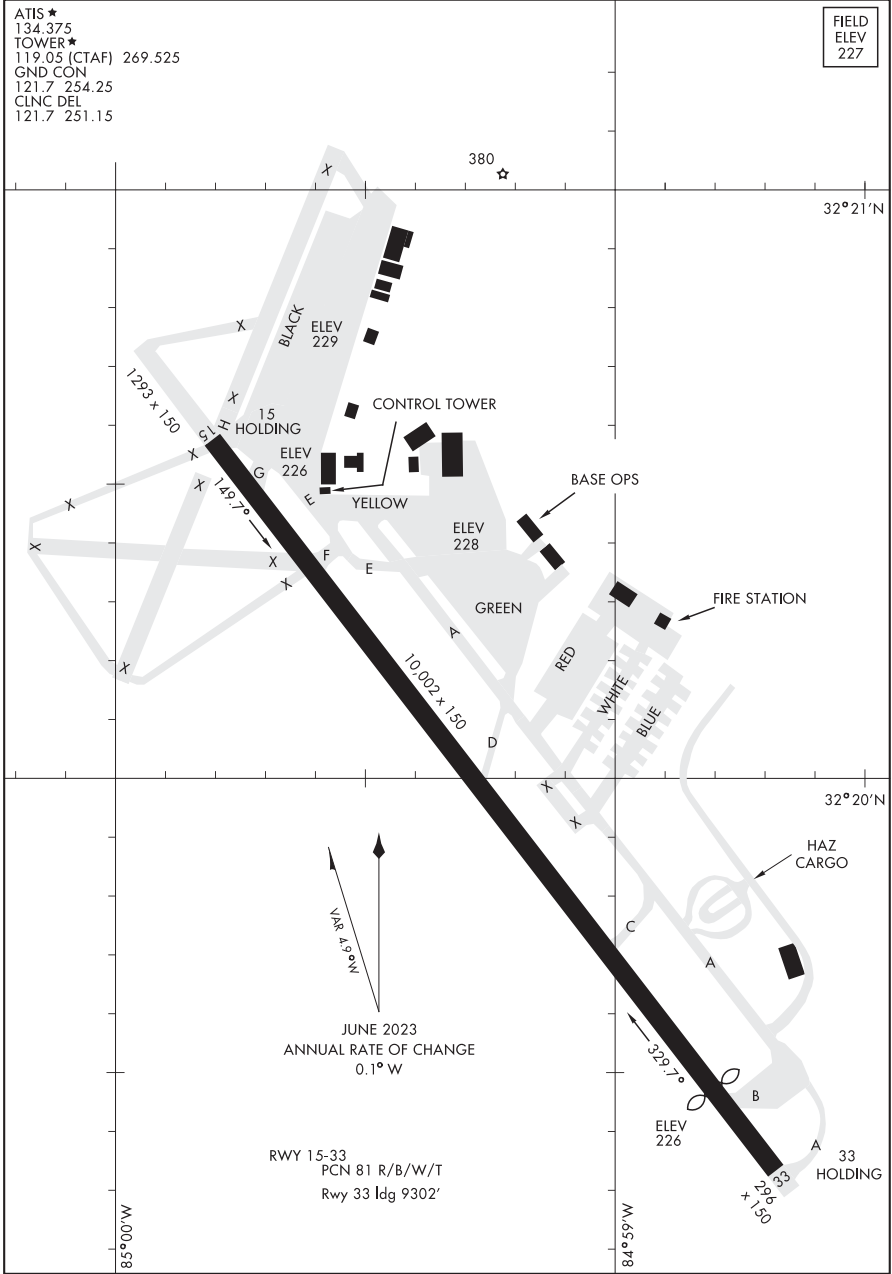
GWINNETT COUNTY/BRISCOE FLD (LZU)

24025

LAWSON AAF (KLSF)  
FORT MOORE, GEORGIA

AIRPORT DIAGRAM

[USA]



AIRPORT DIAGRAM

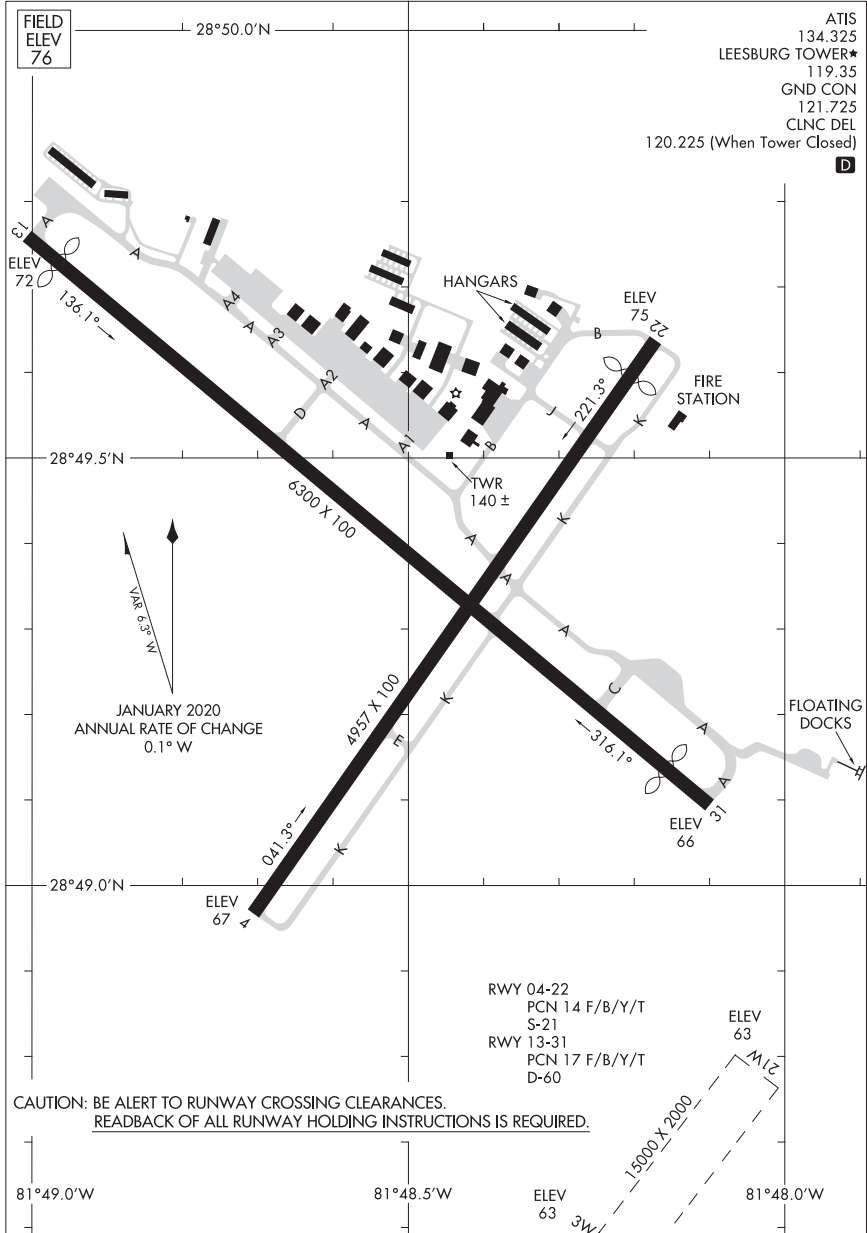
FORT MOORE, GEORGIA  
LAWSON AAF (KLSF)

22363

# AIRPORT DIAGRAM

AL-6676 (FAA)

LEESBURG INTL (LEE)  
LEESBURG, FLORIDA



# AIRPORT DIAGRAM

22363

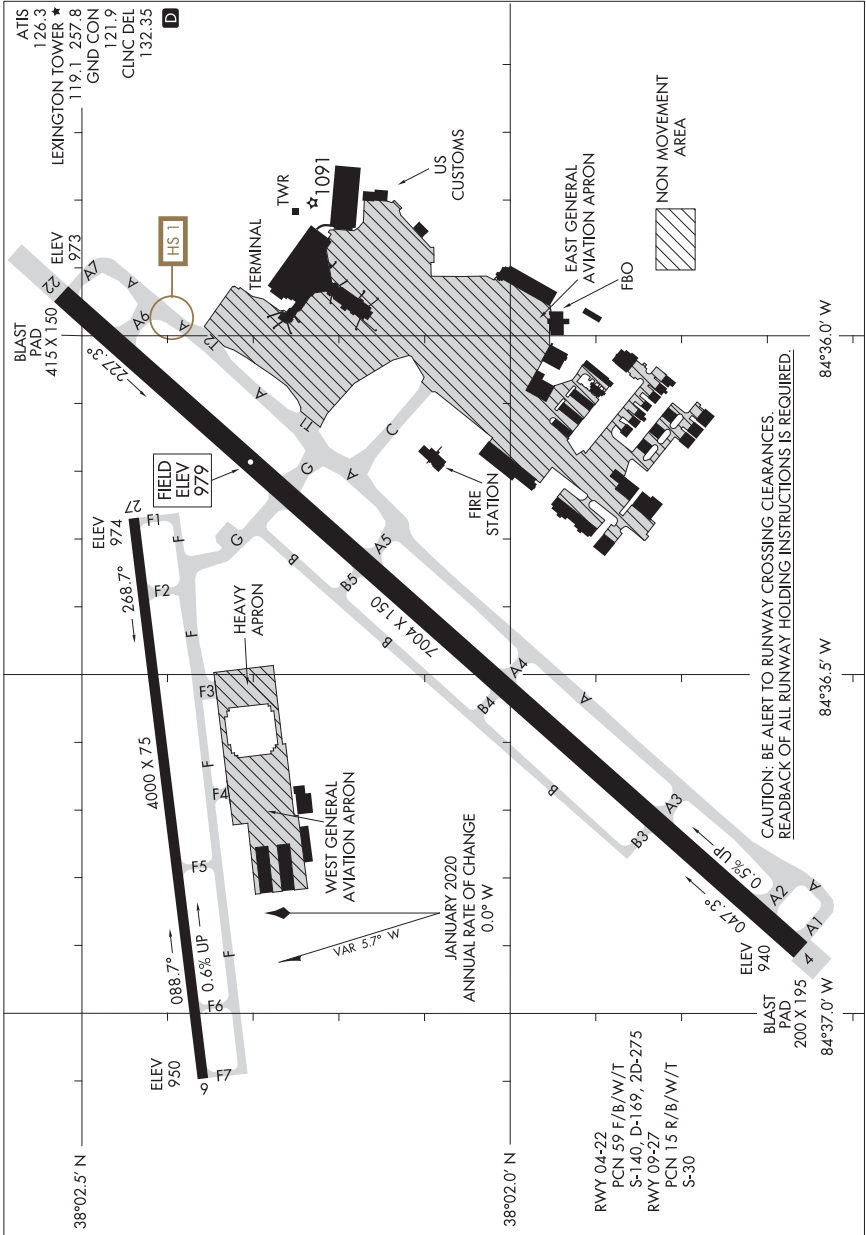
LEESBURG, FLORIDA  
LEESBURG INTL (LEE)

22083

AIRPORT DIAGRAM

AL-697 (FAA)

BLUE GRASS (LEX)  
LEXINGTON, KENTUCKY



AIRPORT DIAGRAM

22083

LEXINGTON, KENTUCKY  
BLUE GRASS (LEX)



22083

AIRPORT DIAGRAM

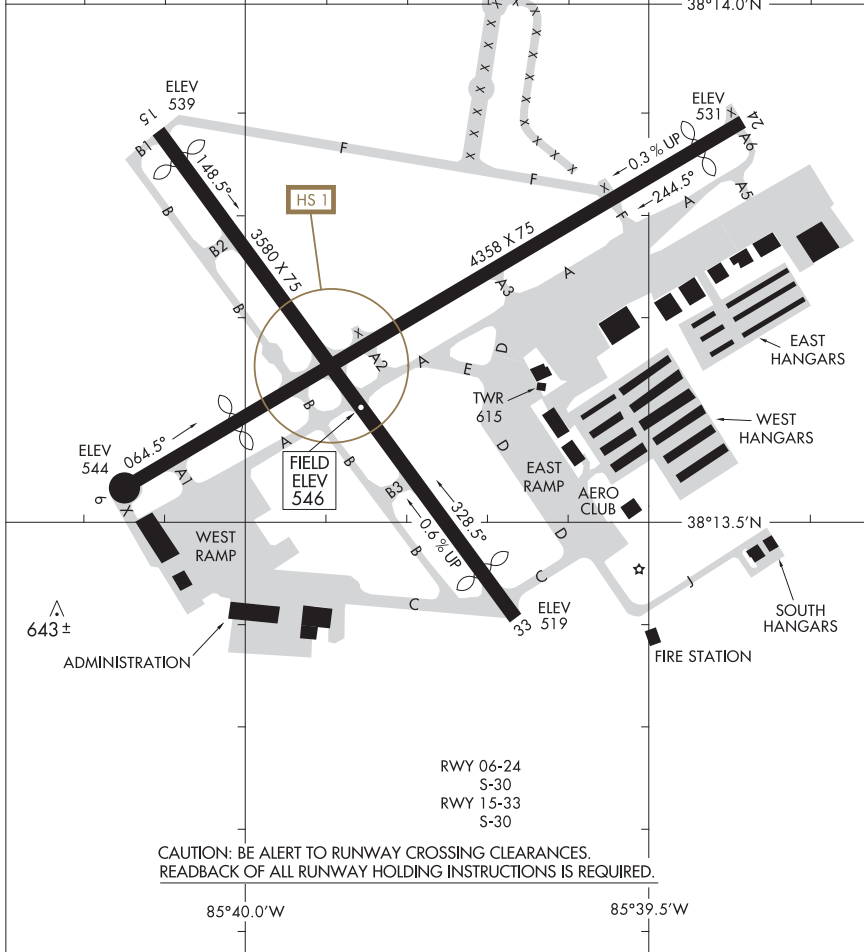
AL-238 (FAA)

BOWMAN FLD (LOU)  
LOUISVILLE, KENTUCKY

ATIS  
124.15  
BOWMAN TOWER ★  
119.5 257.625  
GND CON  
121.8  
CLNC DEL  
118.9

D

JANUARY 2020  
ANNUAL RATE OF CHANGE  
0.1° W



AIRPORT DIAGRAM

22083

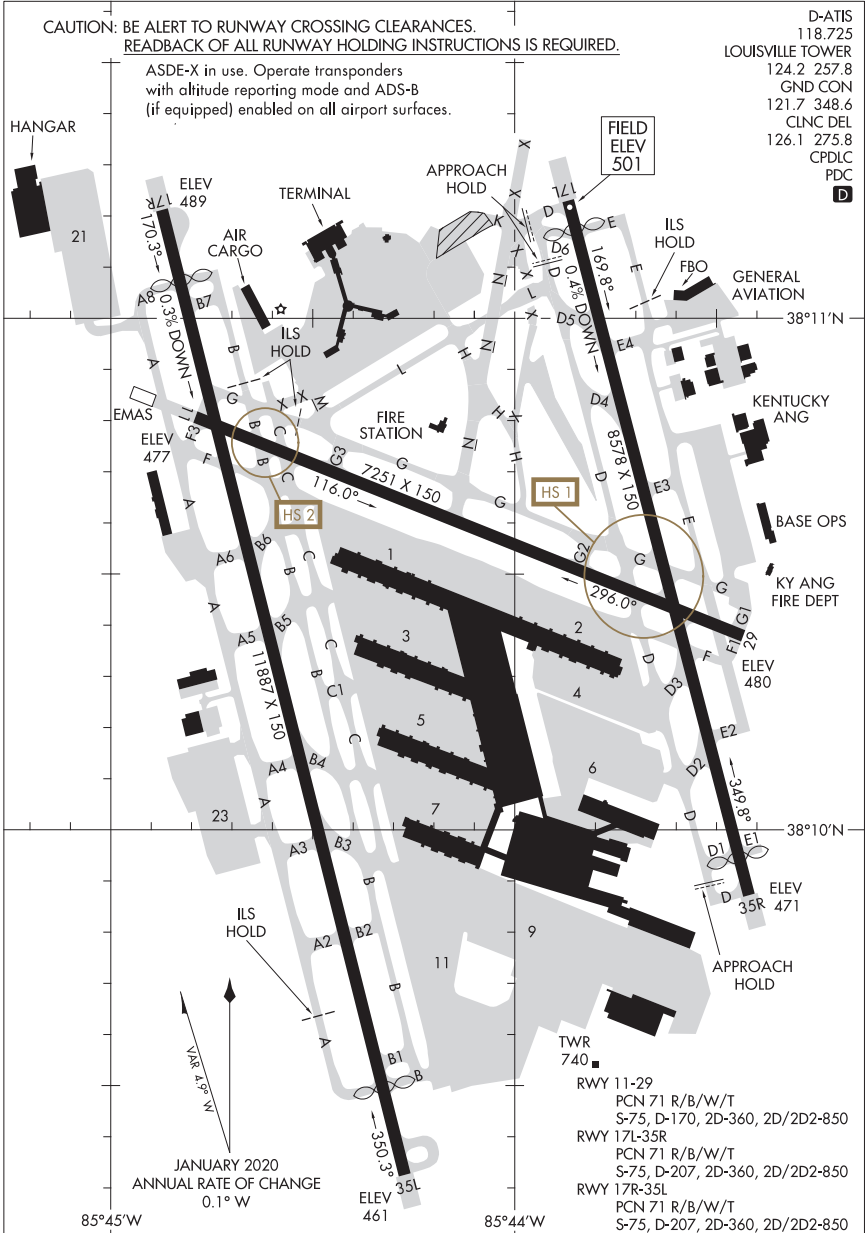
LOUISVILLE, KENTUCKY  
BOWMAN FLD (LOU)

24025

AIRPORT DIAGRAM

AL-239 (FAA)

LOUISVILLE MUHAMMAD ALI INTL (SDF)  
LOUISVILLE, KENTUCKY



AIRPORT DIAGRAM

24025

LOUISVILLE, KENTUCKY  
LOUISVILLE MUHAMMAD ALI INTL (SDF)

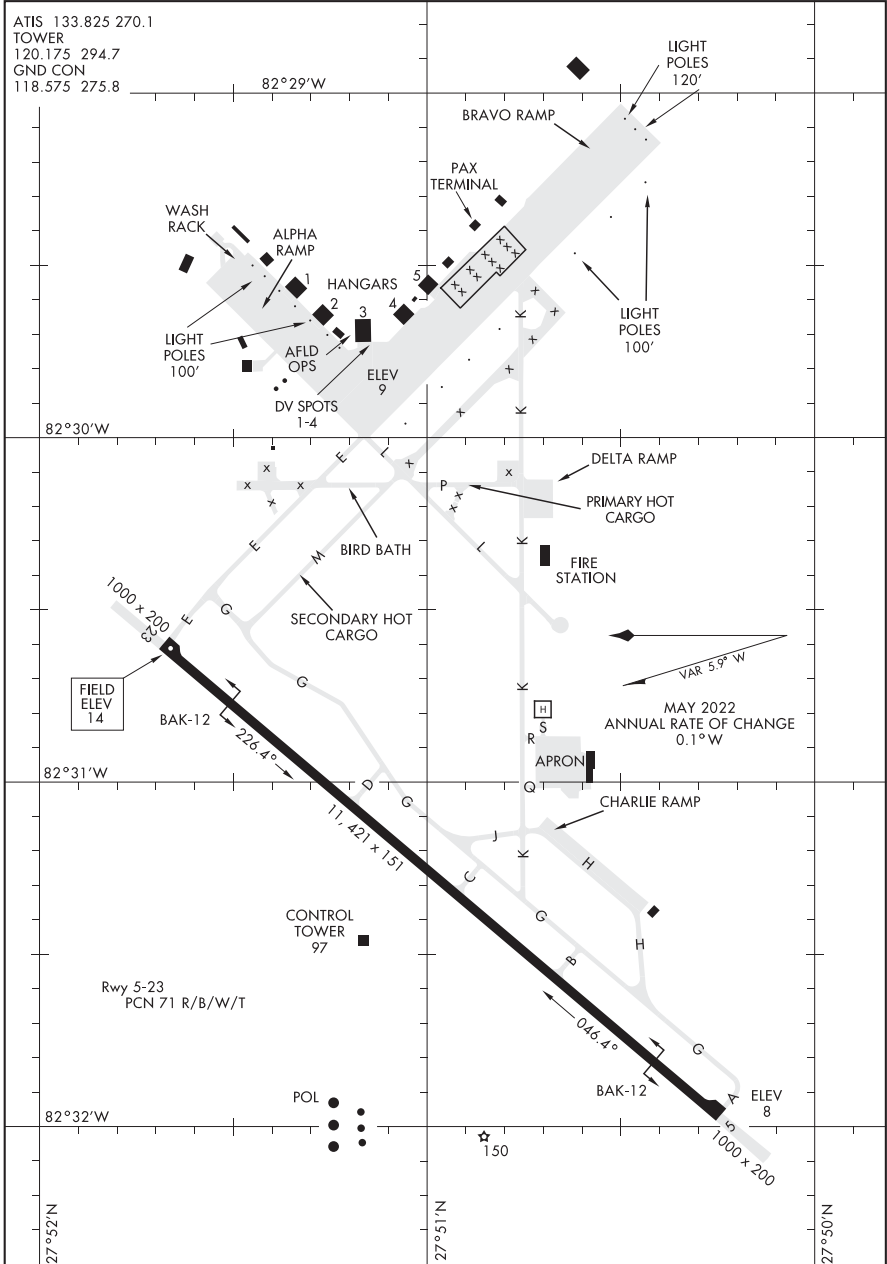
23278

MACDILL AFB (KMCF)

AIRPORT DIAGRAM

AL-418 [USAF]

TAMPA, FLORIDA



AIRPORT DIAGRAM

TAMPA, FLORIDA

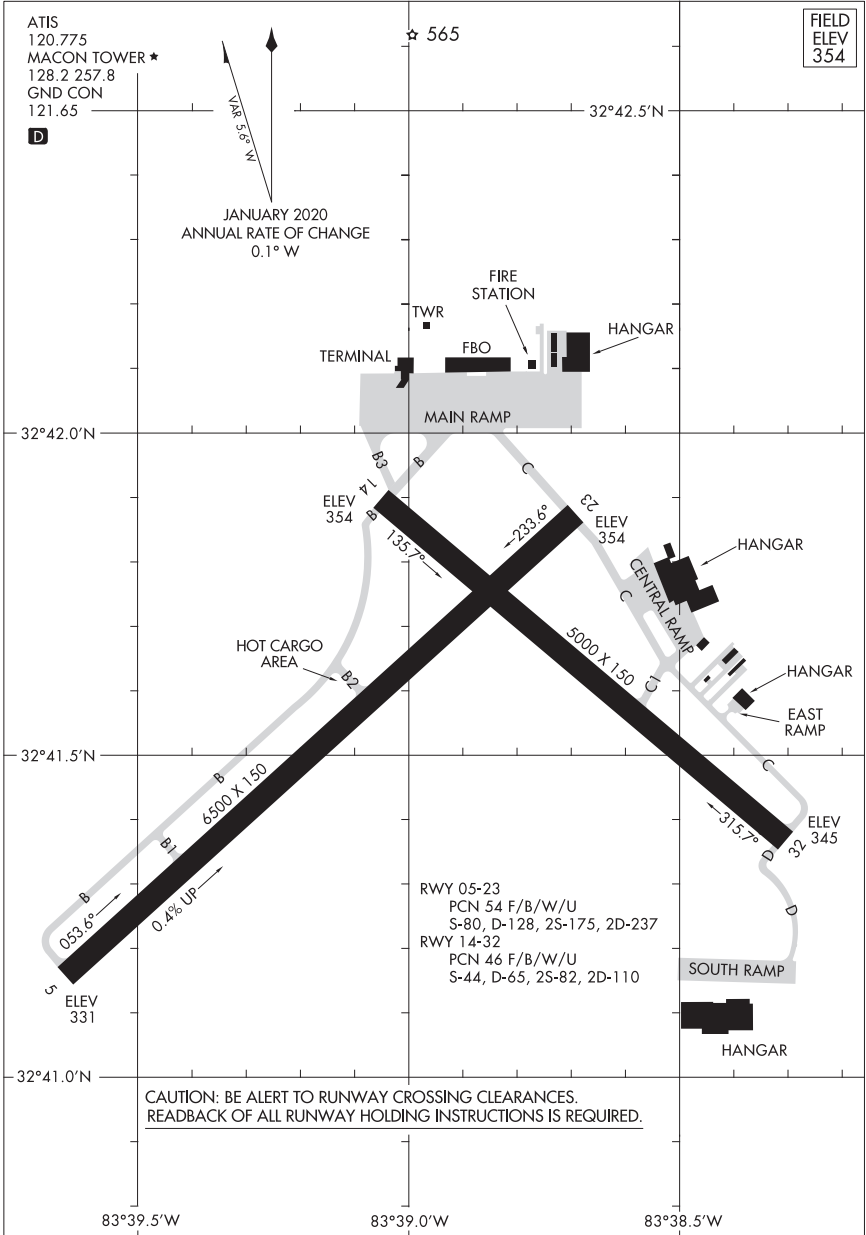
MACDILL AFB (KMCF)

22363

AIRPORT DIAGRAM

AL-243 (FAA)

MIDDLE GEORGIA RGNL (MCN)  
MACON, GEORGIA



AIRPORT DIAGRAM  
22363

MACON, GEORGIA  
MIDDLE GEORGIA RGNL (MCN)

22307

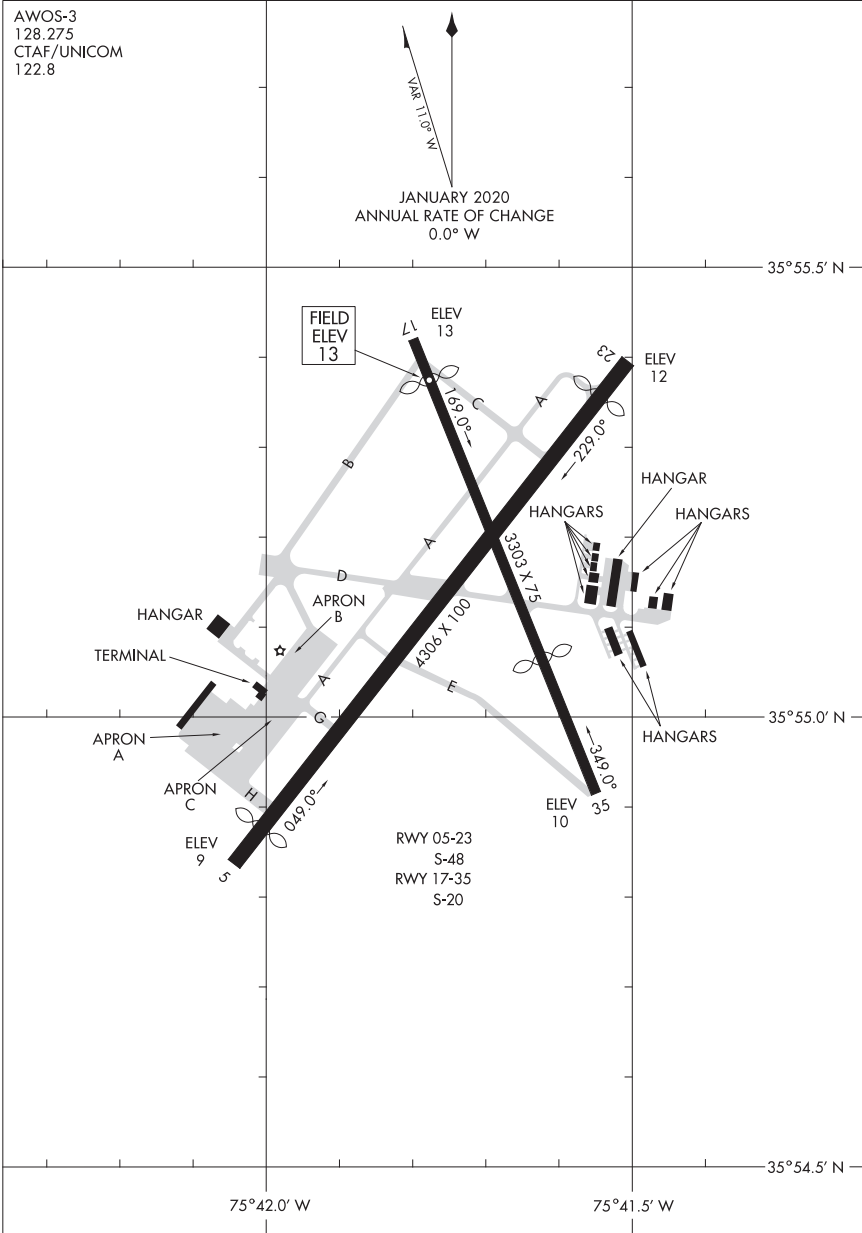
AIRPORT DIAGRAM

DARE COUNTY RGNL (MQI)  
MANTEO, NORTH CAROLINA

AWOS-3  
128.275  
CTAF/UNICOM  
122.8

AL-6372 (FAA)

JANUARY 2020  
ANNUAL RATE OF CHANGE  
0.0° W



AIRPORT DIAGRAM

22307

MANTEO, NORTH CAROLINA  
DARE COUNTY RGNL (MQI)

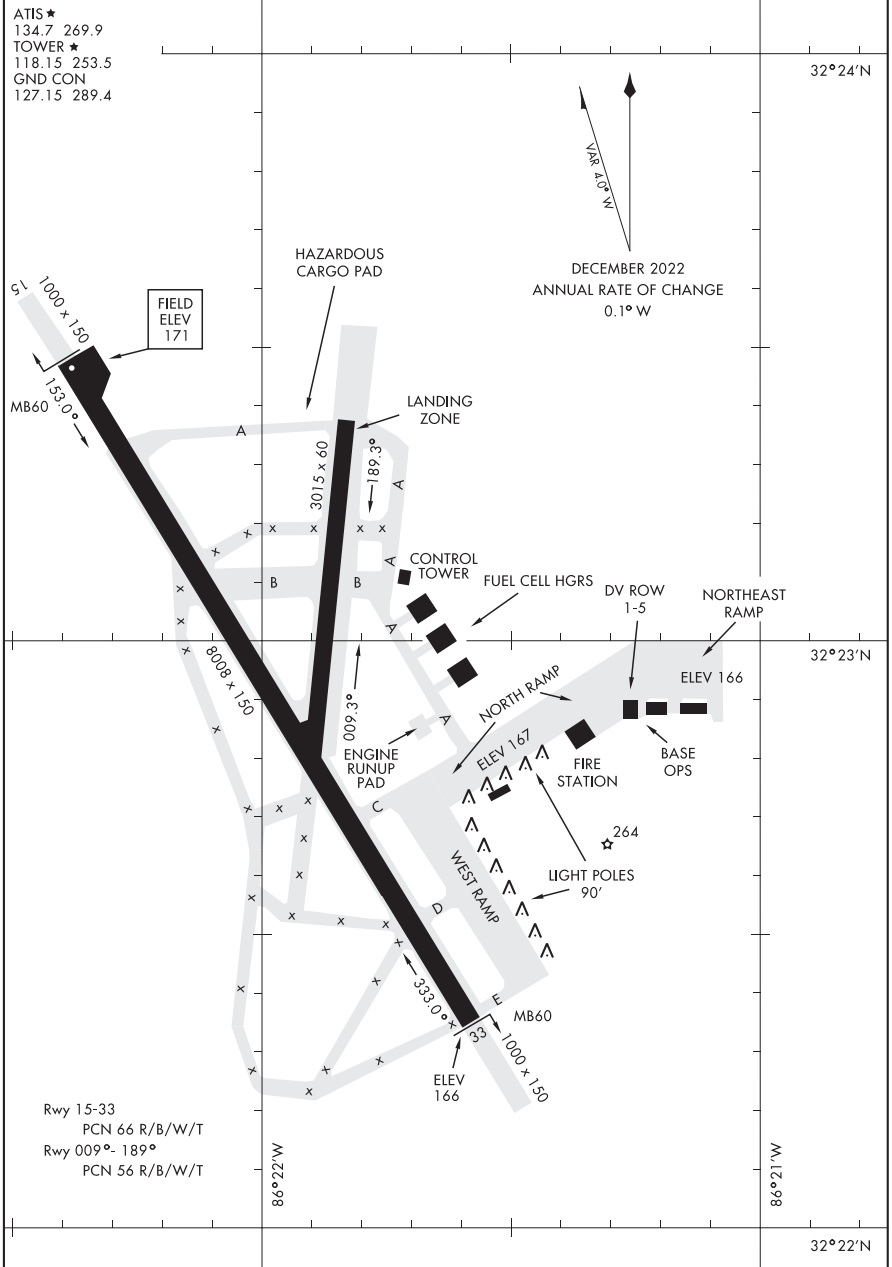
23222

MAXWELL AFB (KMXF)

AIRPORT DIAGRAM

AL-274 [USAF]

MONTGOMERY, ALABAMA



AIRPORT DIAGRAM

MONTGOMERY, ALABAMA

MAXWELL AFB (KMXF)

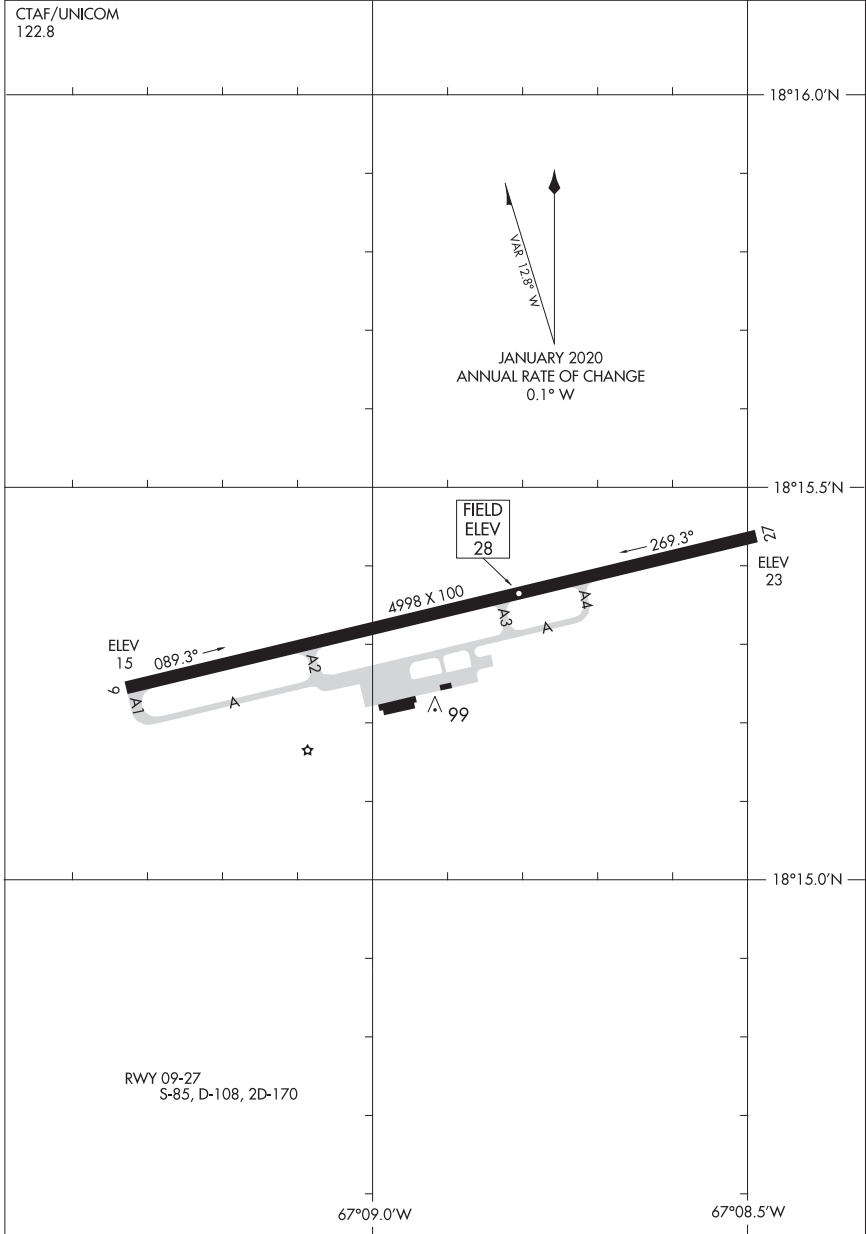
21168

# AIRPORT DIAGRAM

EUGENIO MARIA DE HOSTOS (MAZ)(TJMZ)  
MAYAGUEZ, PUERTO RICO

AL-5328 (FAA)

MAYAGUEZ, PUERTO RICO



# AIRPORT DIAGRAM

21168

EUGENIO MARIA DE HOSTOS (MAZ)(TJMZ)

MAYAGUEZ, PUERTO RICO

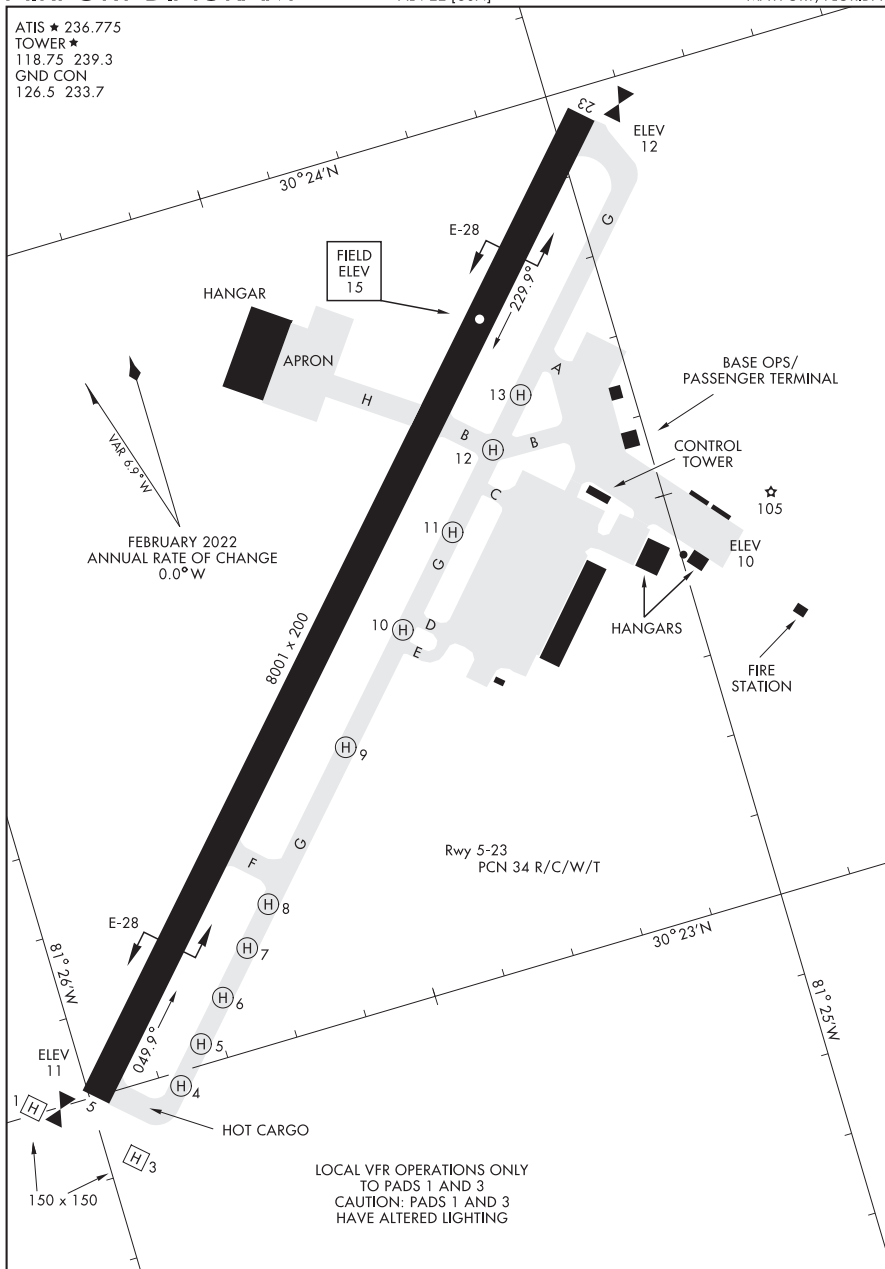
22055

MAYPORT NS (ADM DAVID L. MCDONALD FLD) (KNRB)

AIRPORT DIAGRAM

AL-722 [USN]

MAYPORT, FLORIDA



AIRPORT DIAGRAM

MAYPORT, FLORIDA  
MAYPORT NS (ADM DAVID L. MCDONALD FLD) (KNRB)



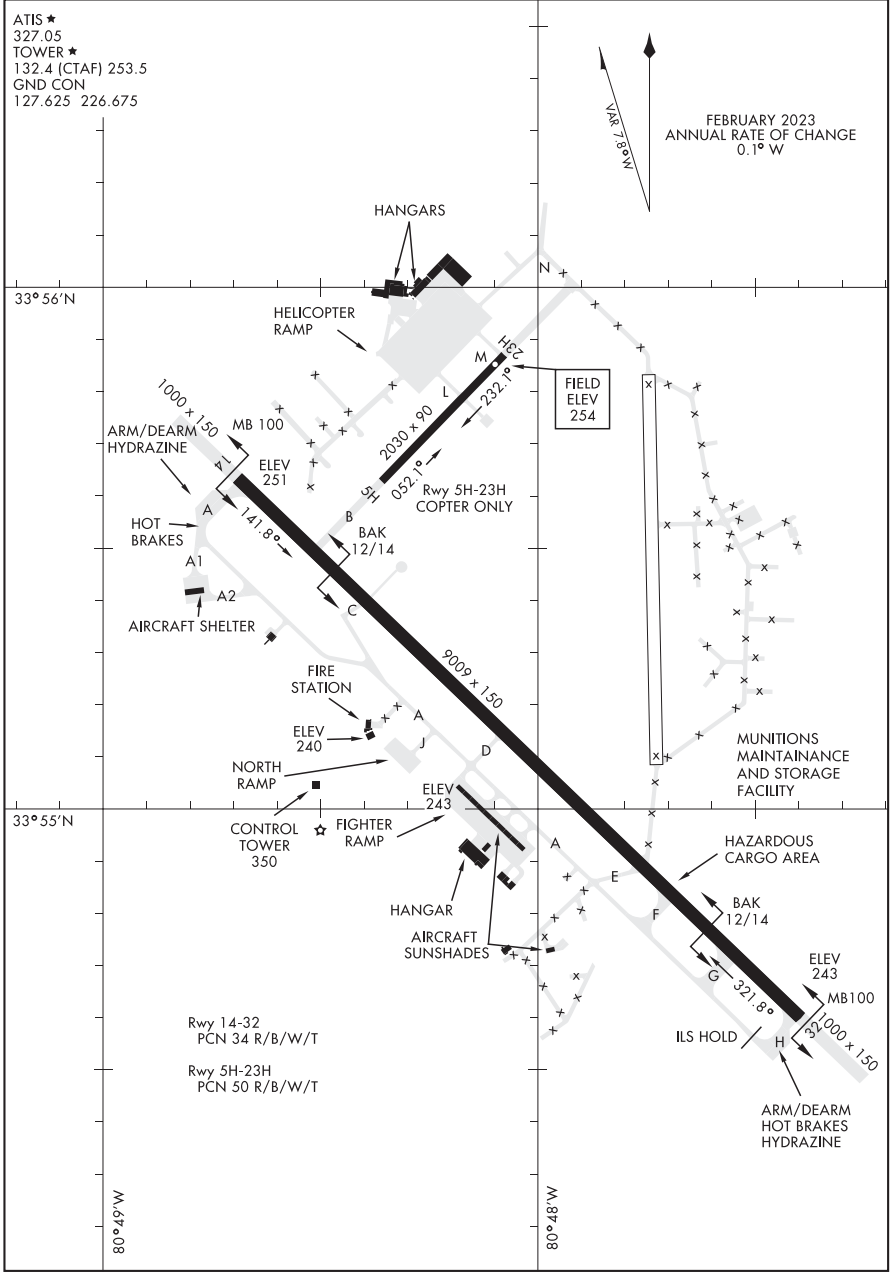
23054

MC ENTIRE JNGB (KMMT)

AIRPORT DIAGRAM

AL-951 [USAF]

EASTOVER, SOUTH CAROLINA



AIRPORT DIAGRAM

EASTOVER, SOUTH CAROLINA  
MC ENTIRE JNGB (KMMT)

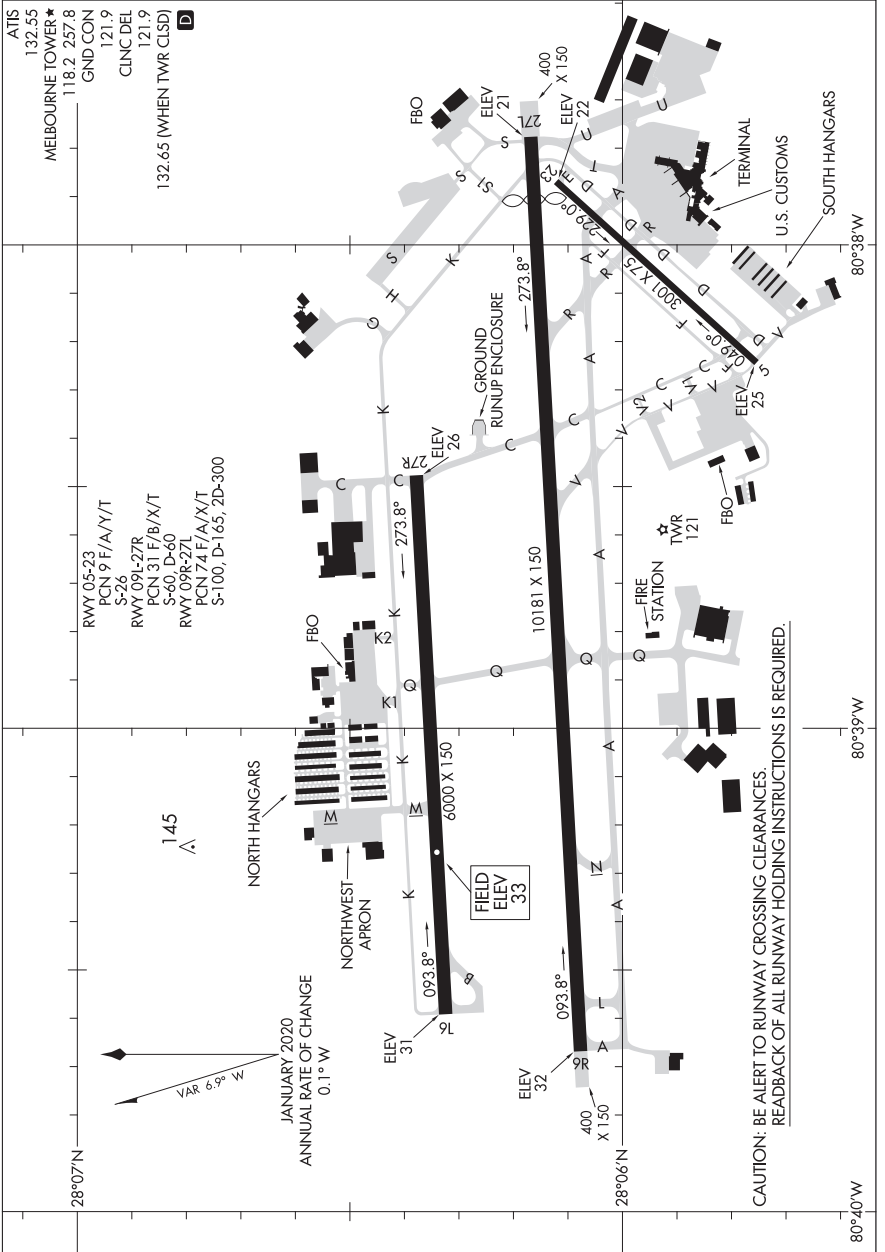
22195

AIRPORT DIAGRAM

MELBOURNE ORLANDO INTL (MLB)

AL-252 (FAA)

MELBOURNE, FLORIDA



AIRPORT DIAGRAM

MELBOURNE, FLORIDA

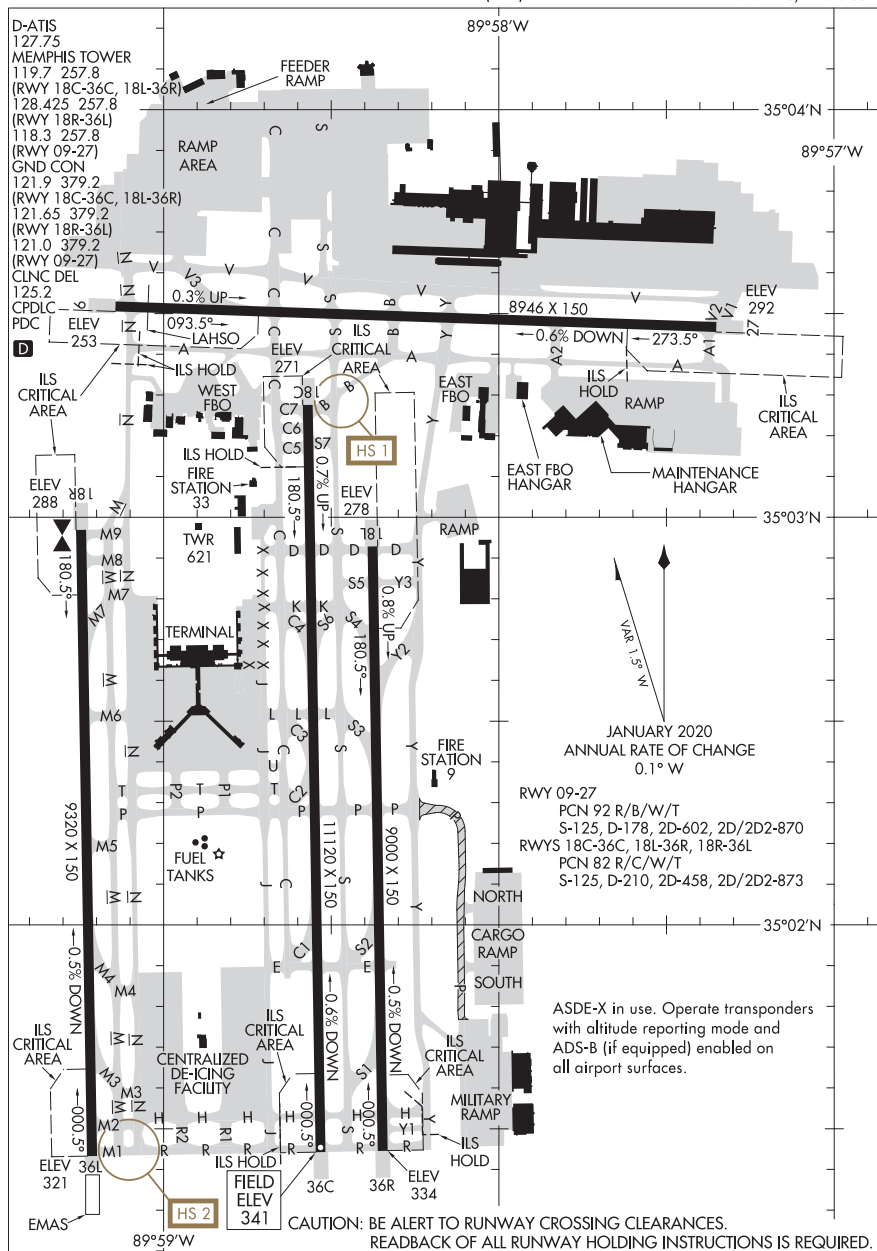
22195

MELBOURNE ORLANDO INTL (MLB)

24025

MEMPHIS INTL (MEM)  
MEMPHIS, TENNESSEE

AIRPORT DIAGRAM



AIRPORT DIAGRAM

MEMPHIS, TENNESSEE  
MEMPHIS INTL (MEM)

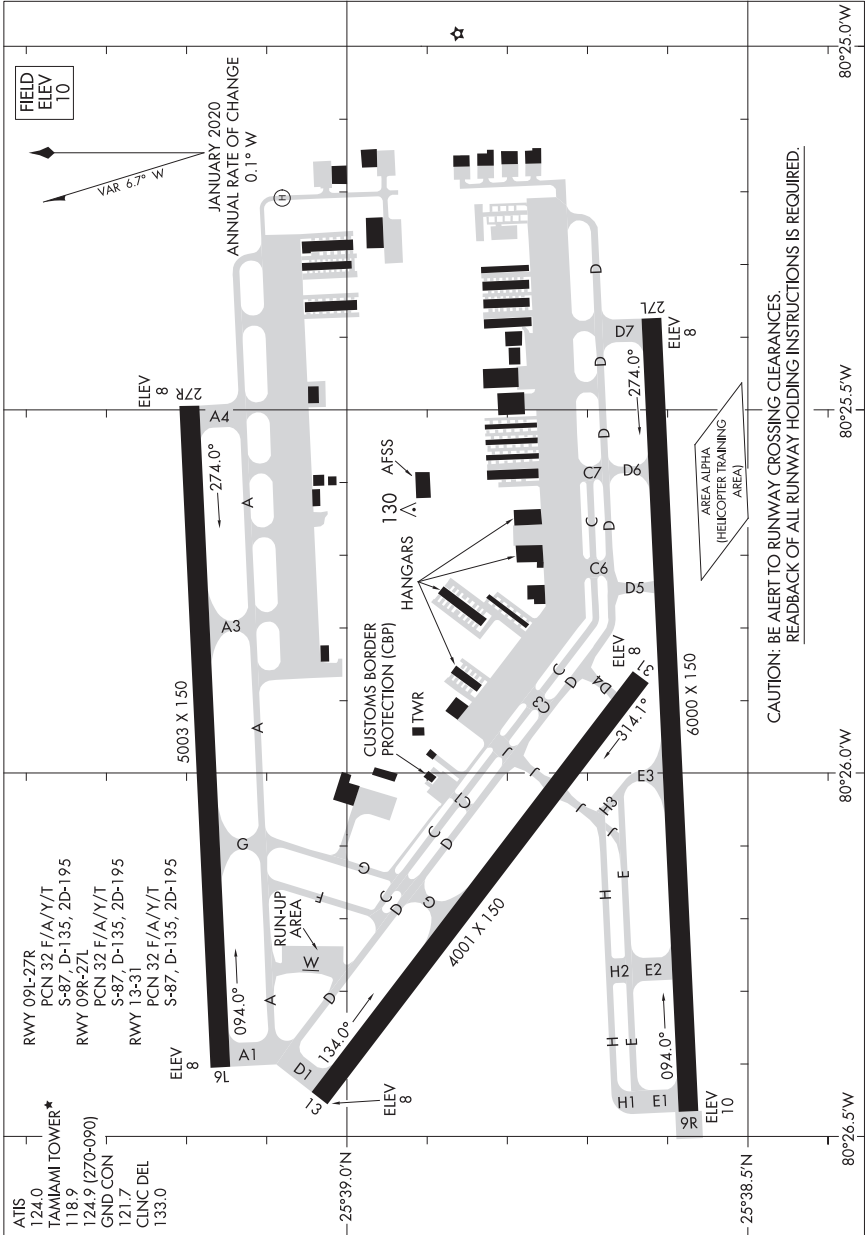
24025

23166

AIRPORT DIAGRAM

AL-5349 (FAA)

MIAMI EXEC (TMB)  
MIAMI, FLORIDA



AIRPORT DIAGRAM

MIAMI, FLORIDA  
MIAMI EXEC (TMB)

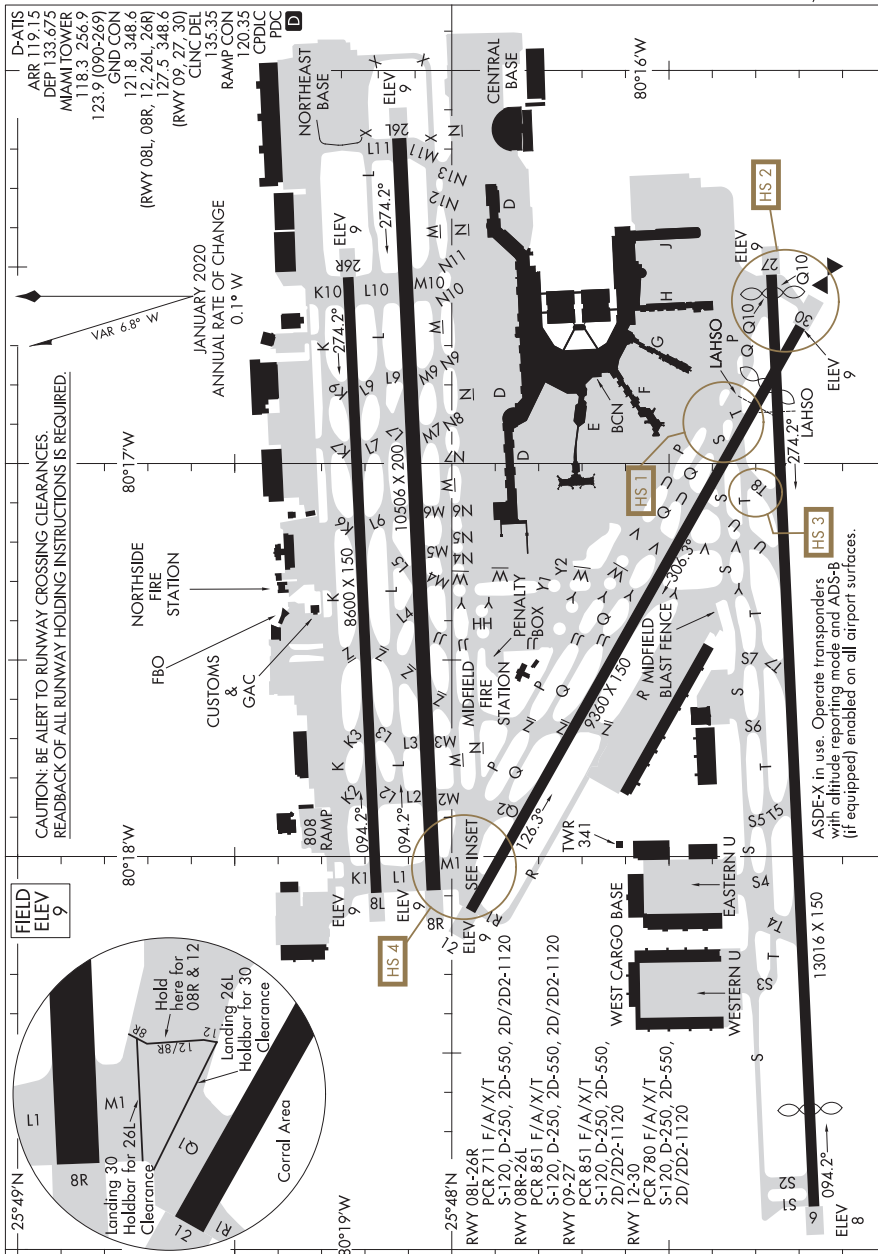
23166

23278

# AIRPORT DIAGRAM

AL-257 (FAA)

MIAMI INTL (MIA)  
MIAMI, FLORIDA



# AIRPORT DIAGRAM

23278

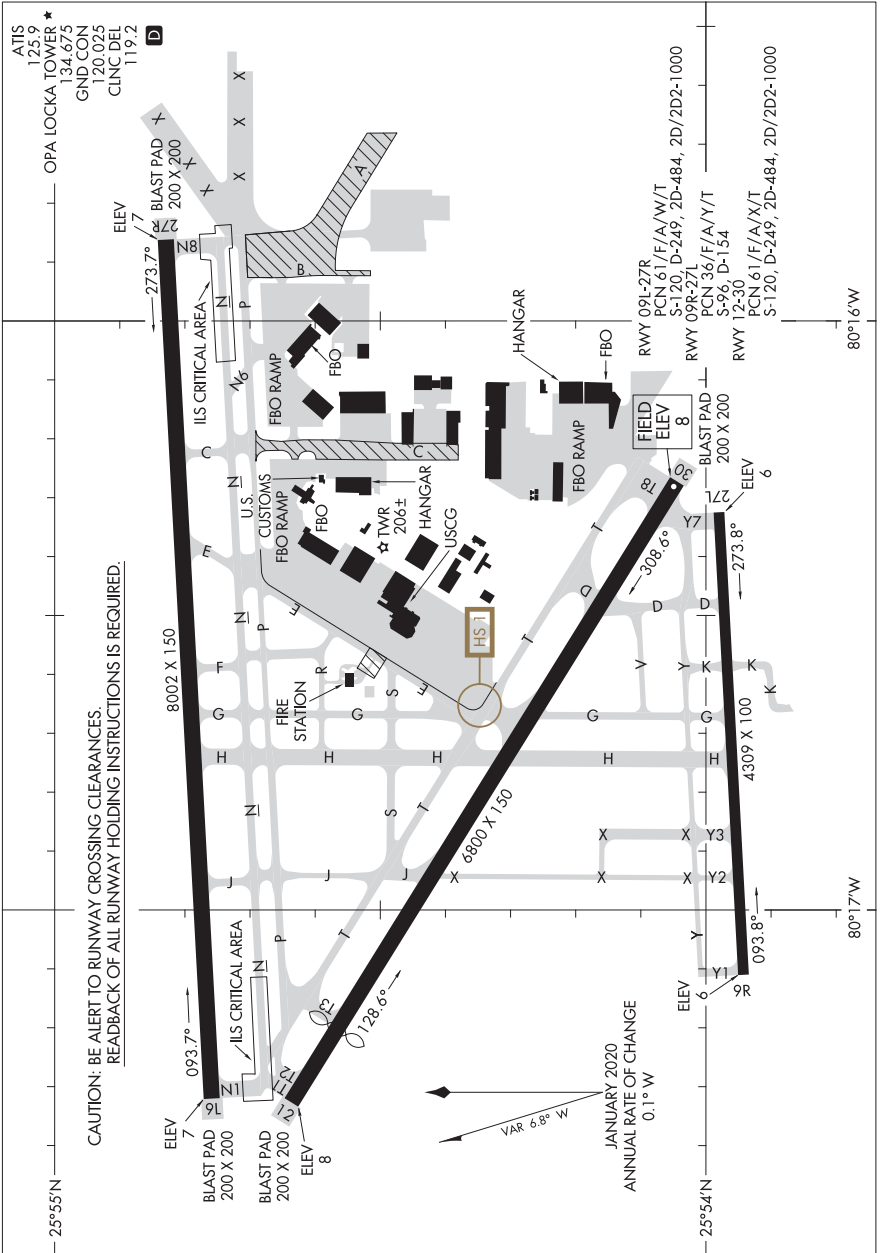
MIAMI, FLORIDA  
MIAMI INTL (MIA)

24025

AIRPORT DIAGRAM

AL-256 (FAA)

MIAMI-OPA LOCKA EXEC (OPF)  
MIAMI, FLORIDA



AIRPORT DIAGRAM  
24025

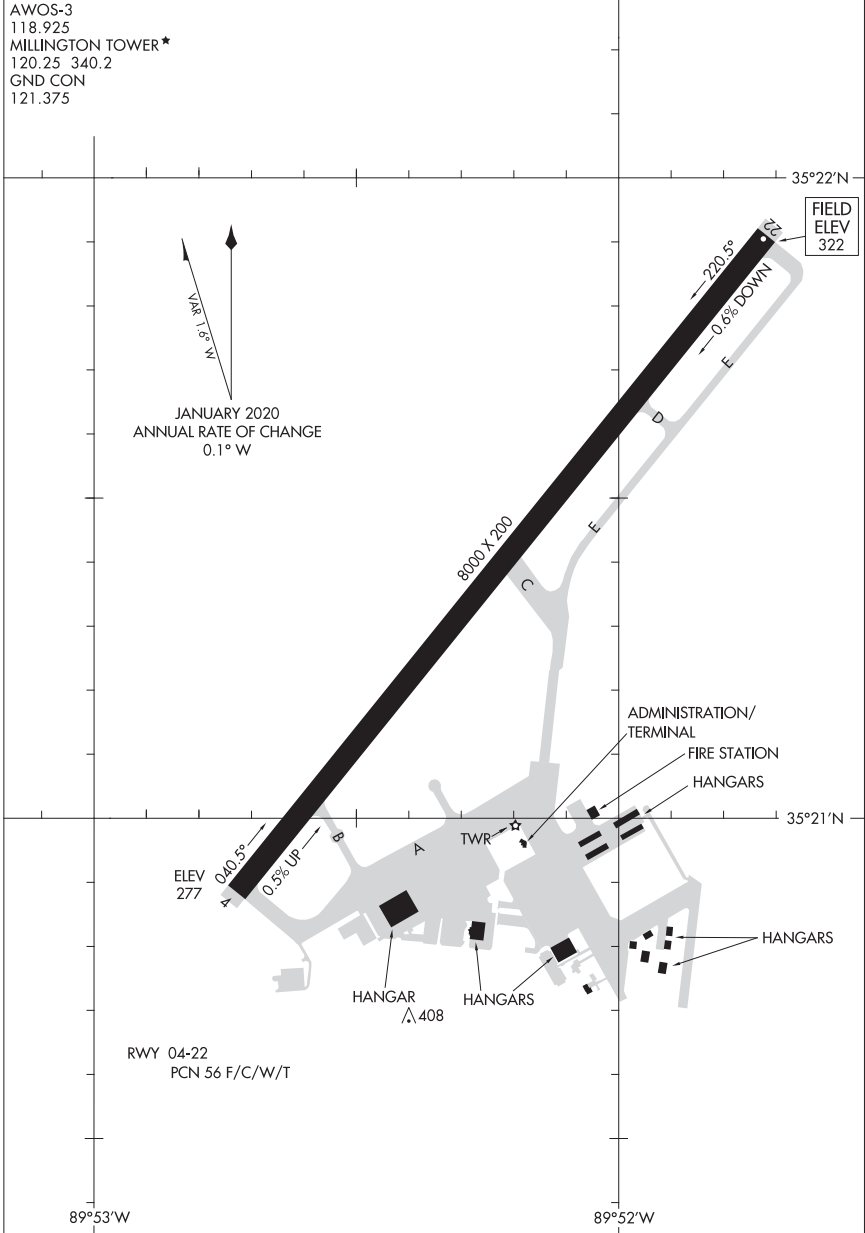
MIAMI, FLORIDA  
MIAMI-OPA LOCKA EXEC (OPF)

22307

# AIRPORT DIAGRAM

AL-910 (FAA)

MILLINGTON/MEMPHIS (NQA)  
MILLINGTON, TENNESSEE



# AIRPORT DIAGRAM

22307

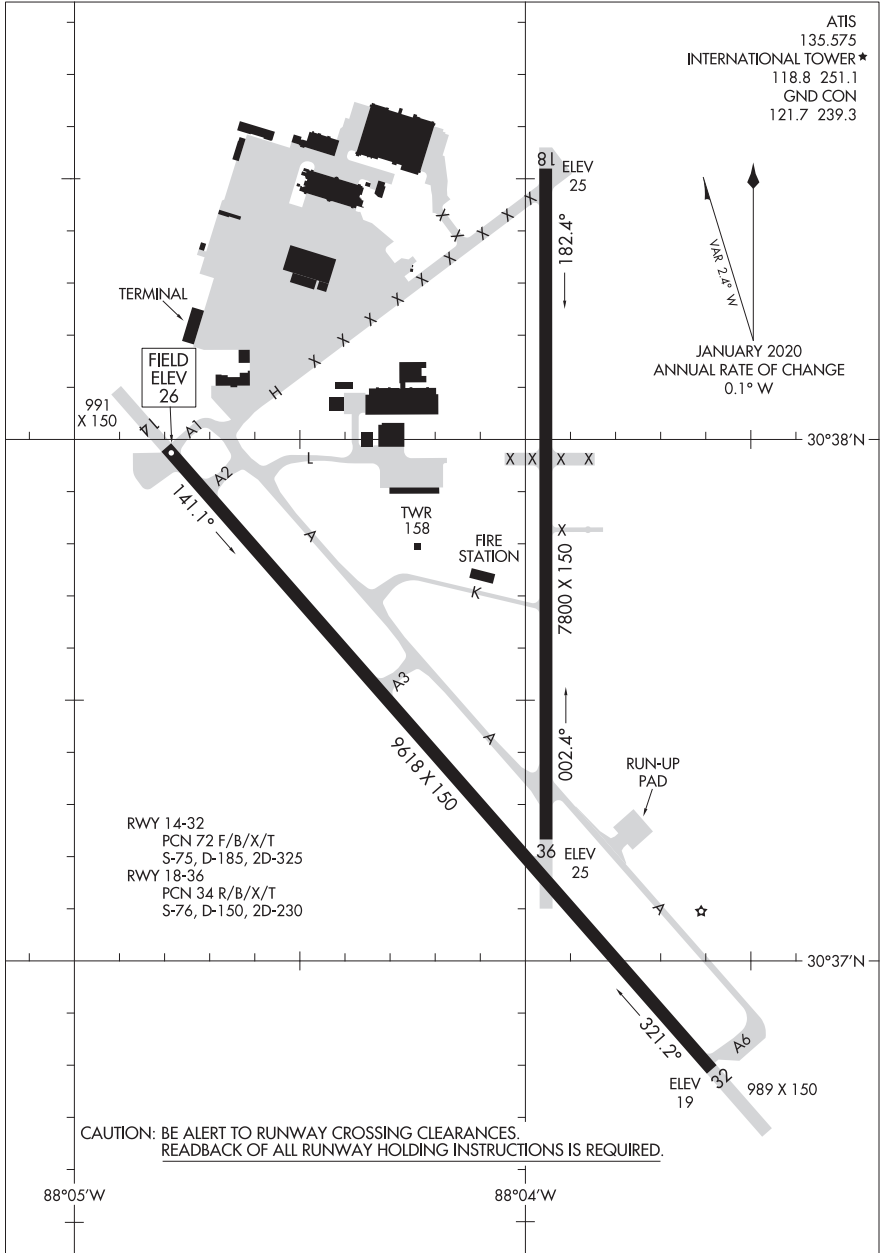
MILLINGTON, TENNESSEE  
MILLINGTON/MEMPHIS (NQA)

23278

AIRPORT DIAGRAM

AL-268 (FAA)

MOBILE INTL (BFM)  
MOBILE, ALABAMA



AIRPORT DIAGRAM

23278

MOBILE, ALABAMA  
MOBILE INTL (BFM)

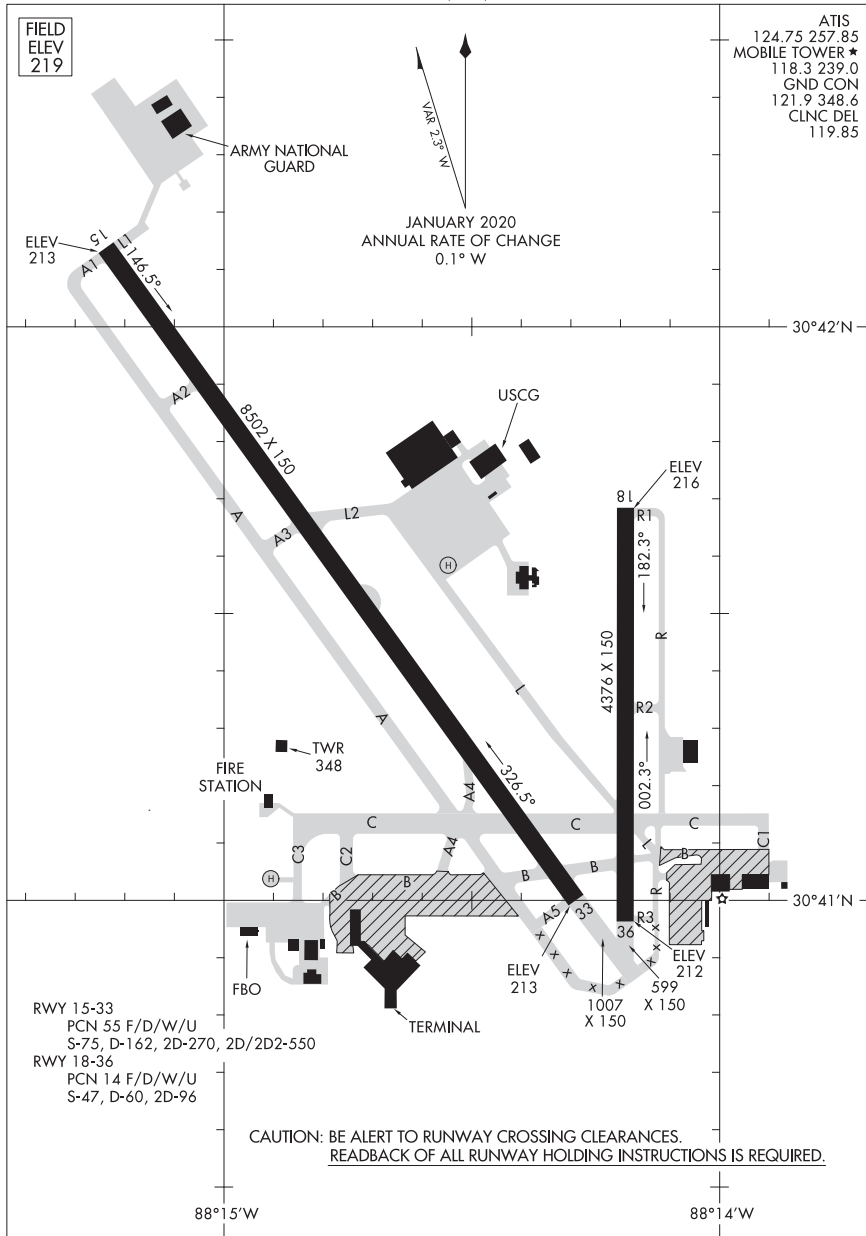


24025

AIRPORT DIAGRAM

AL-267 (FAA)

MOBILE RGNL (MOB)  
MOBILE, ALABAMA



AIRPORT DIAGRAM

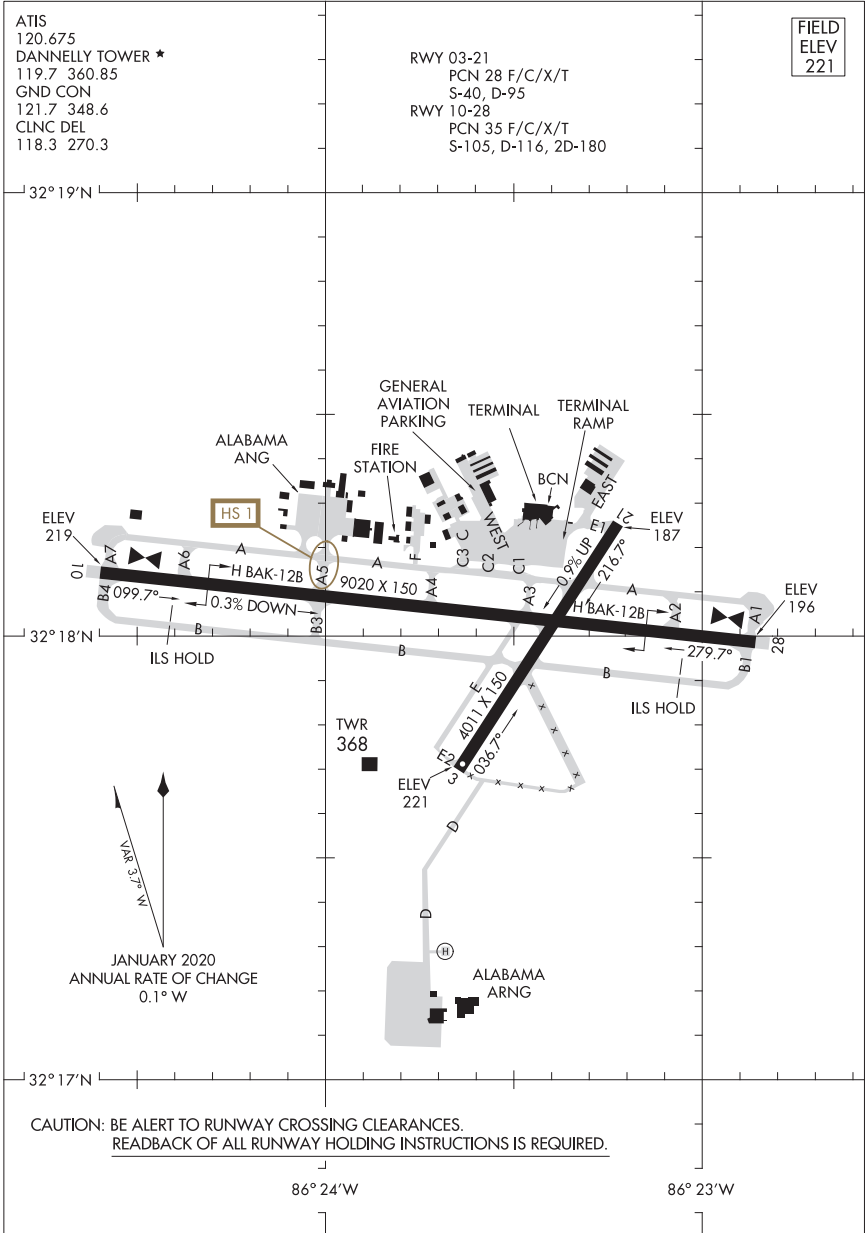
24025

MOBILE, ALABAMA  
MOBILE RGNL (MOB)

24025

AIRPORT DIAGRAM

MONTGOMERY RGNL (DANNELLY FLD) (MGM)  
AL-272 (FAA) MONTGOMERY, ALABAMA



AIRPORT DIAGRAM

MONTGOMERY, ALABAMA  
MONTGOMERY RGNL (DANNELLY FLD) (MGM)

24025

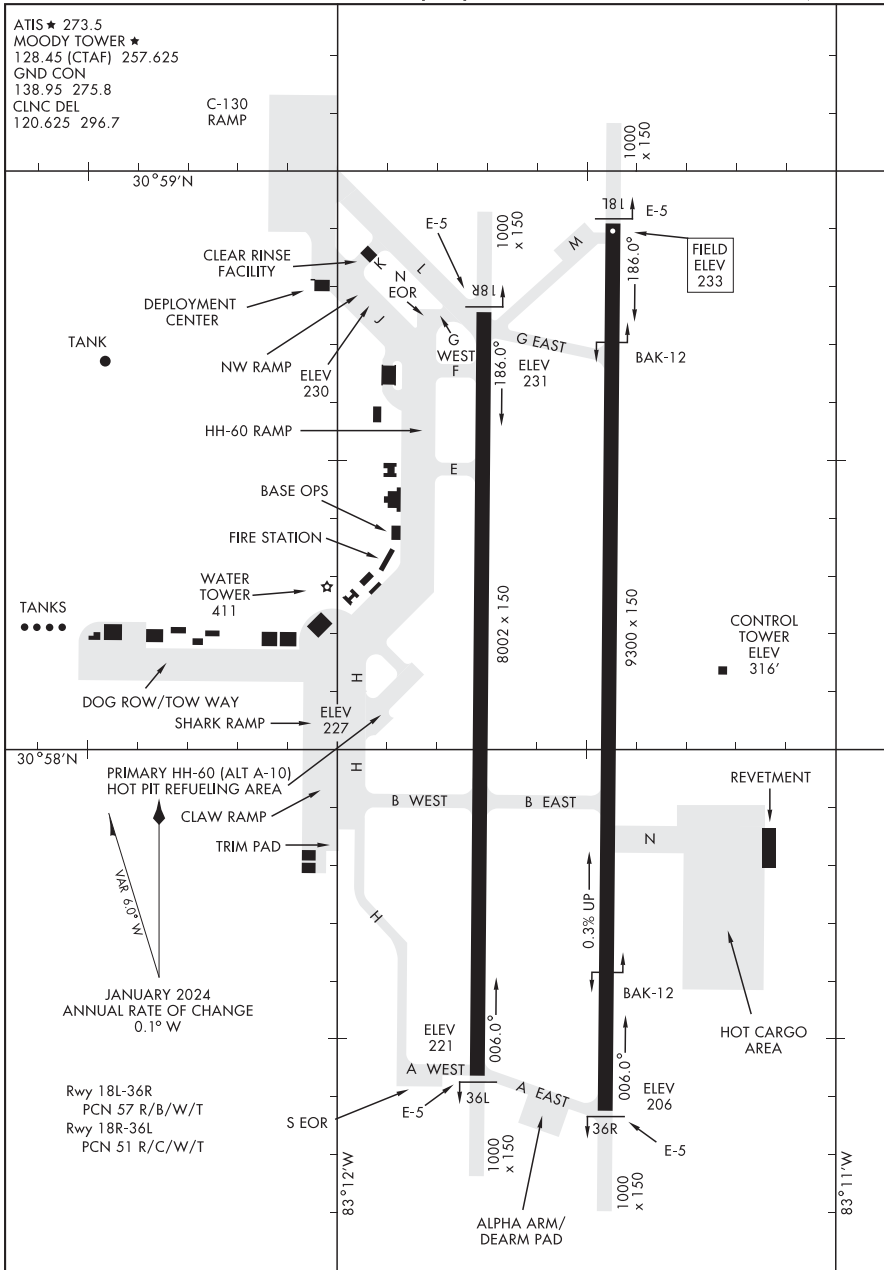
24025

MOODY AFB (KVAD)

# AIRPORT DIAGRAM

[USAF]

VALDOSTA, GEORGIA



# AIRPORT DIAGRAM

VALDOSTA, GEORGIA

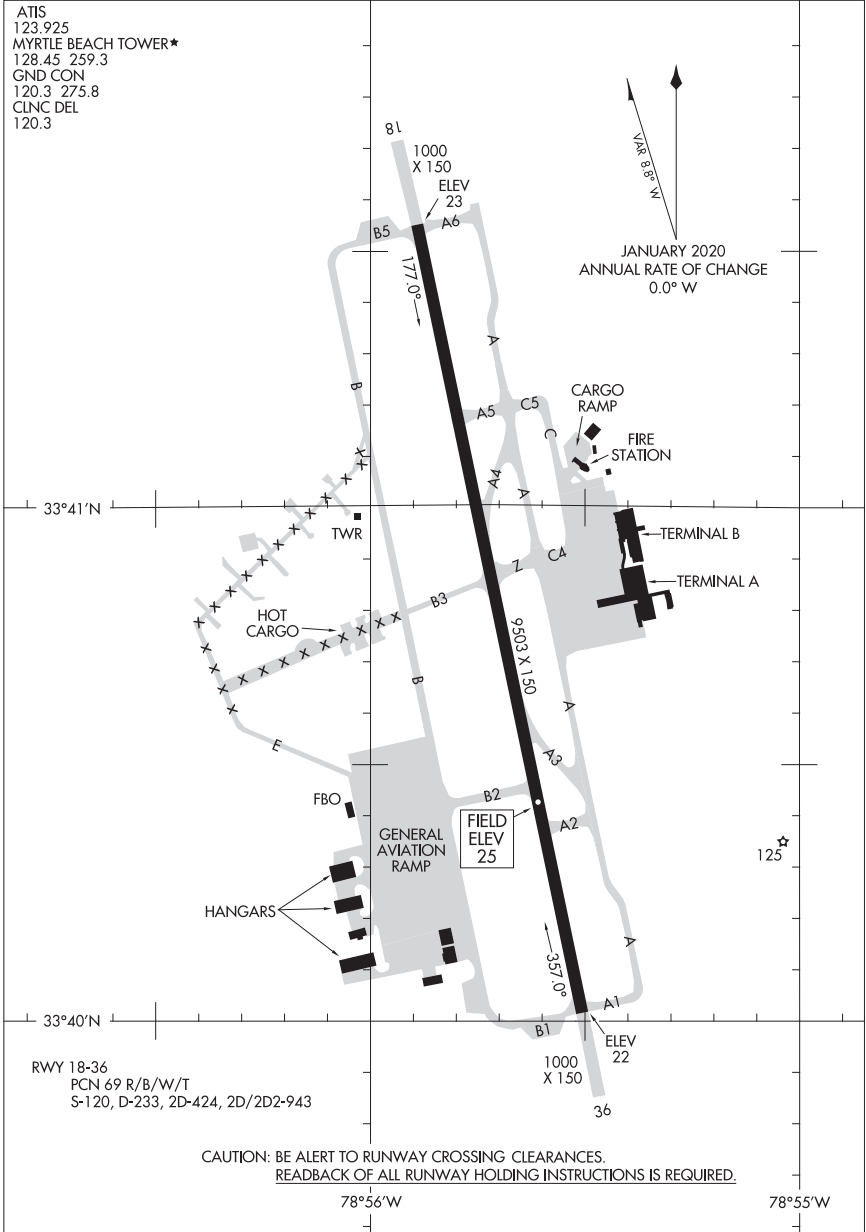
MOODY AFB (KVAD)

23222

AIRPORT DIAGRAM

AL-280 (FAA)

MYRTLE BEACH INTL (MYR)  
MYRTLE BEACH, SOUTH CAROLINA



AIRPORT DIAGRAM

23222

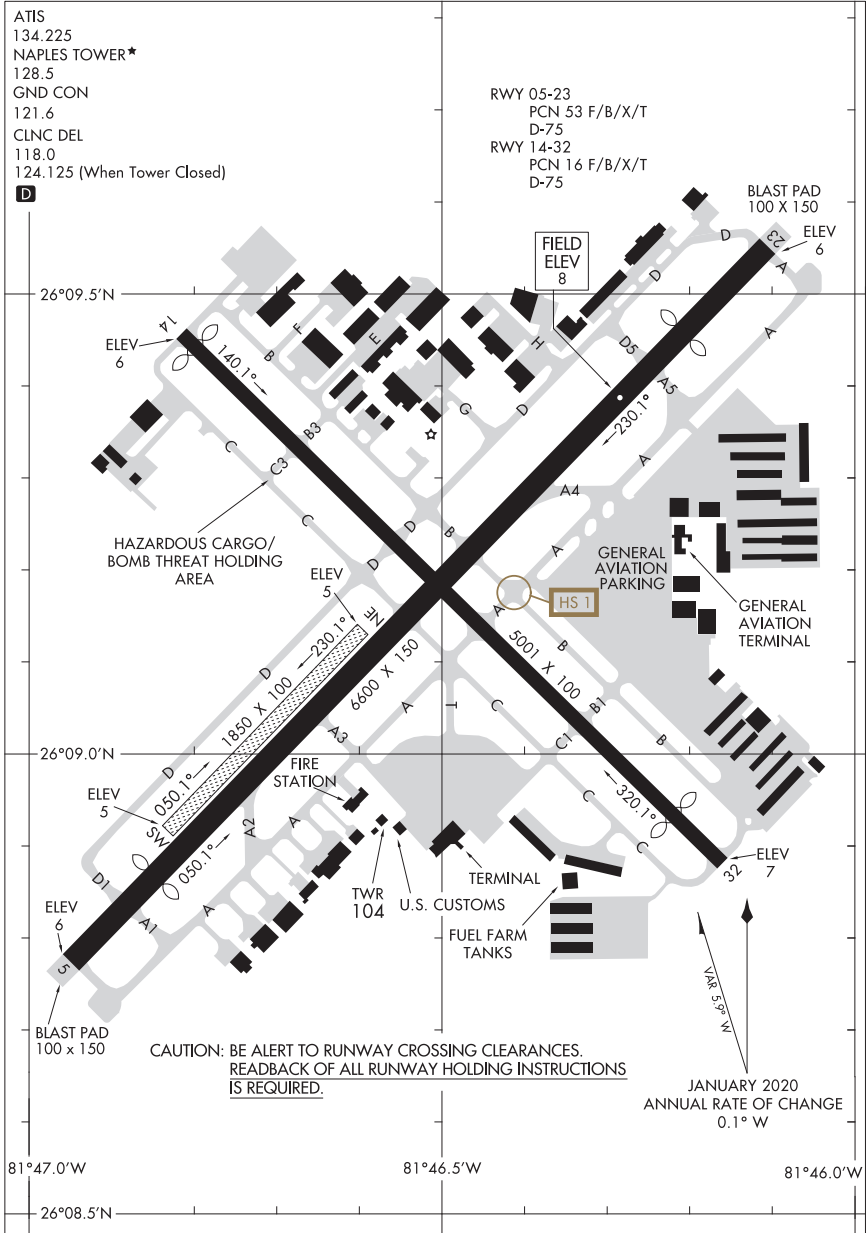
MYRTLE BEACH, SOUTH CAROLINA  
MYRTLE BEACH INTL (MYR)

24025

AIRPORT DIAGRAM

AL-6020 (FAA)

NAPLES MUNI (APF)  
NAPLES, FLORIDA



AIRPORT DIAGRAM  
24025

NAPLES, FLORIDA  
NAPLES MUNI (APF)

22363


AIRPORT DIAGRAM

AL-6878 (FAA)

JOHN C TUNE (JWN)  
NASHVILLE, TENNESSEE

ATIS  
 127.075  
 JOHN TUNE TOWER ★  
 119.45  
 GND CON  
 121.7  
 CLNC DEL  
 121.7  
 124.55 (WHEN TWR CLSD)  
**D**

FIELD ELEV 501

  
 JANUARY 2020  
 ANNUAL RATE OF CHANGE  
 0.1° W

RWY 02-20  
S-35, D-97

6001 X 100

018.6°  
0.7% UP

TWR

FBO

FBO APRON

BOX HANGAR APRON

MIDFIELD APRON

SOUTH APRON

634±

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READEBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

86°53.5' W

86°53.0' W

86°52.5' W

AIRPORT DIAGRAM

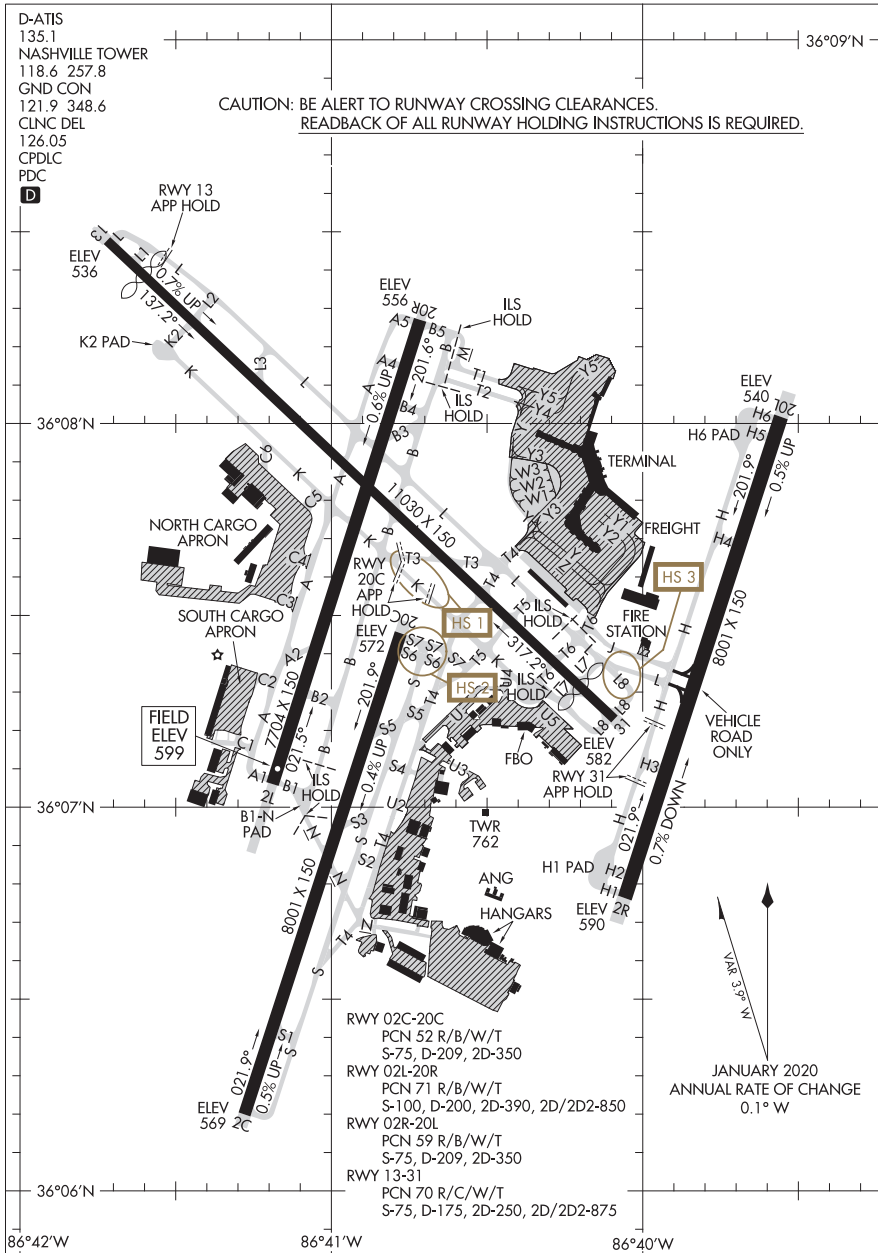
22363

NASHVILLE, TENNESSEE  
JOHN C TUNE (JWN)

24025

AIRPORT DIAGRAM

AL-282 (FAA)



AIRPORT DIAGRAM  
24025

NASHVILLE, TENNESSEE  
NASHVILLE INTL (BNA)

21336

# AIRPORT DIAGRAM

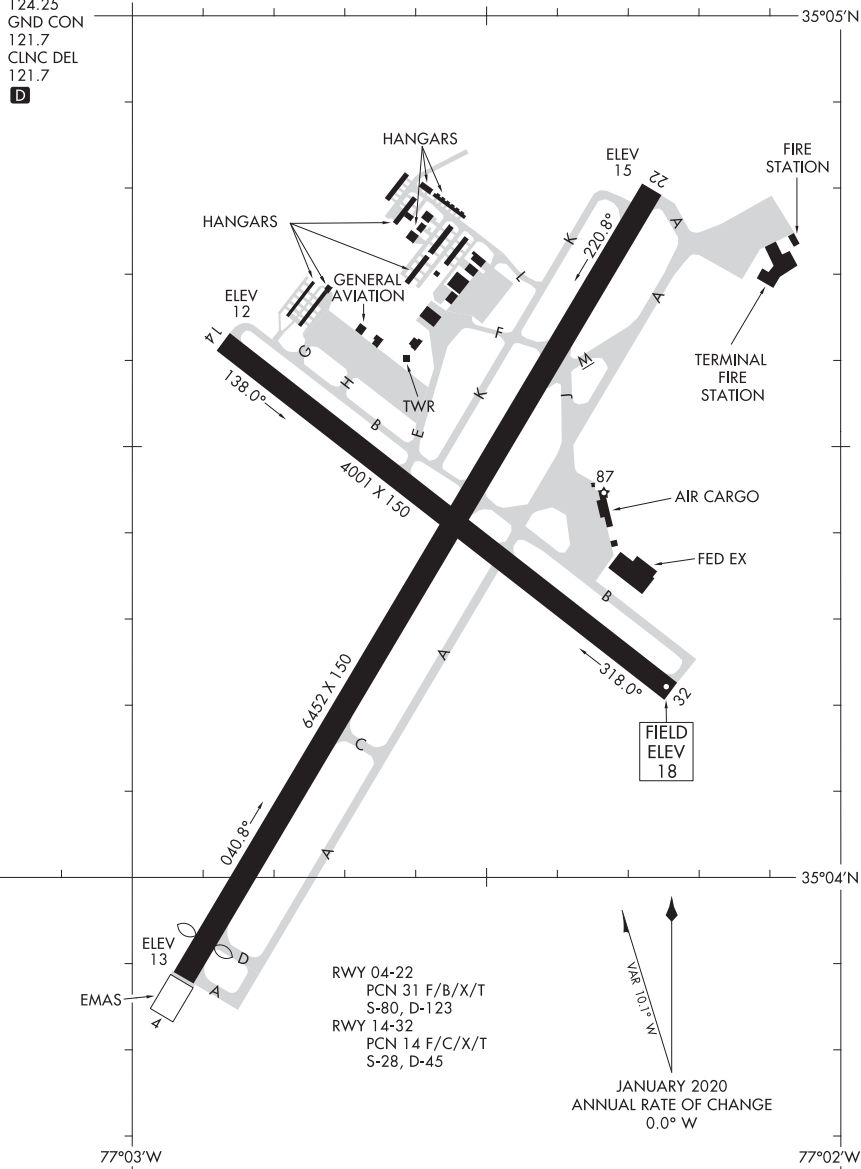
AL-670 (FAA)

COASTAL CAROLINA RGNL (E'WN)

NEW BERN, NORTH CAROLINA

ASOS  
 118.525  
 NEW BERN TOWER ★  
 124.25  
 GND CON  
 121.7  
 CLNC DEL  
 121.7

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
 READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



# AIRPORT DIAGRAM

21336

NEW BERN, NORTH CAROLINA  
COASTAL CAROLINA RGNL (E'WN)



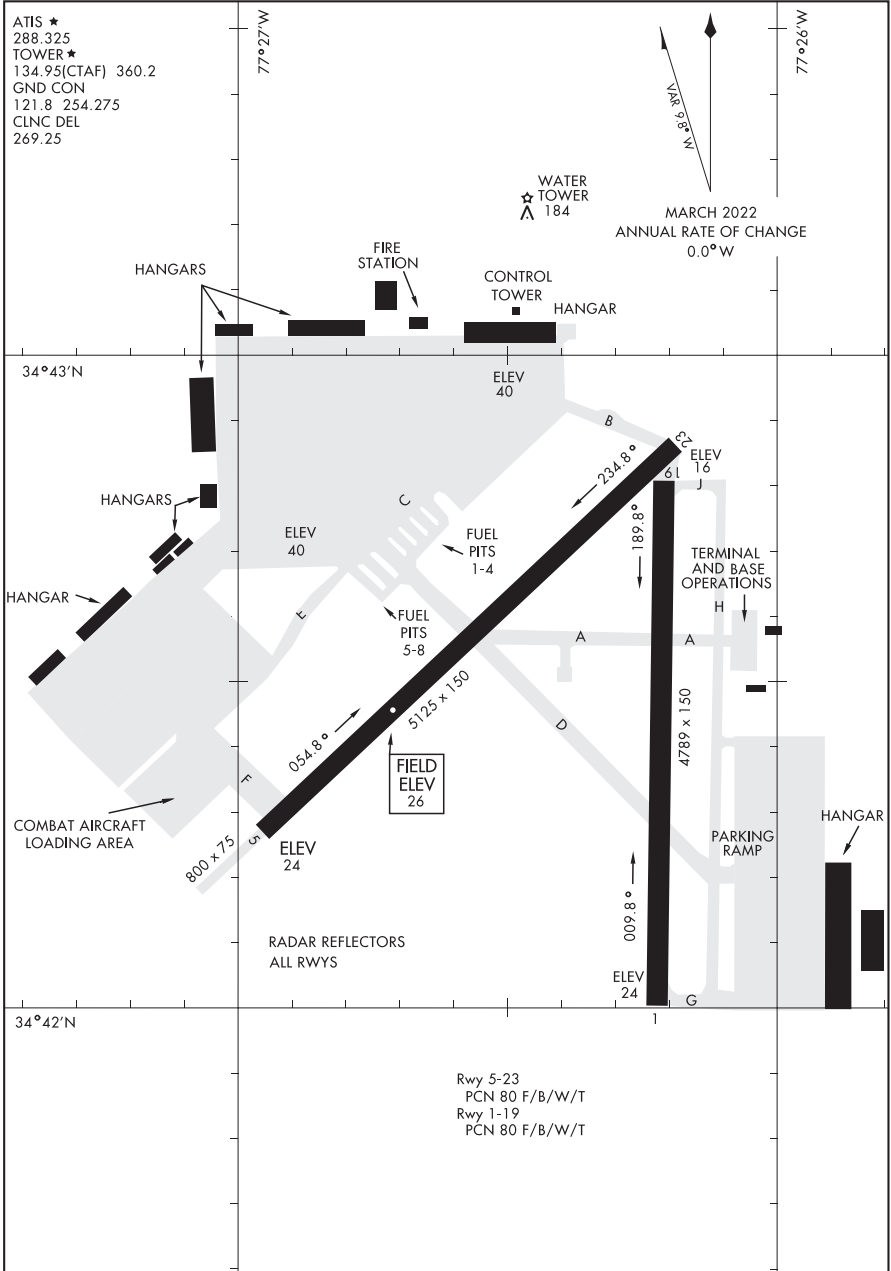
24025

NEW RIVER MCAS (MC CUTCHEON FLD) (KNCA)

AIRPORT DIAGRAM

[USN]

JACKSONVILLE, NORTH CAROLINA



AIRPORT DIAGRAM

JACKSONVILLE, NORTH CAROLINA

NEW RIVER MCAS (MC CUTCHEON FLD) (KNCA)

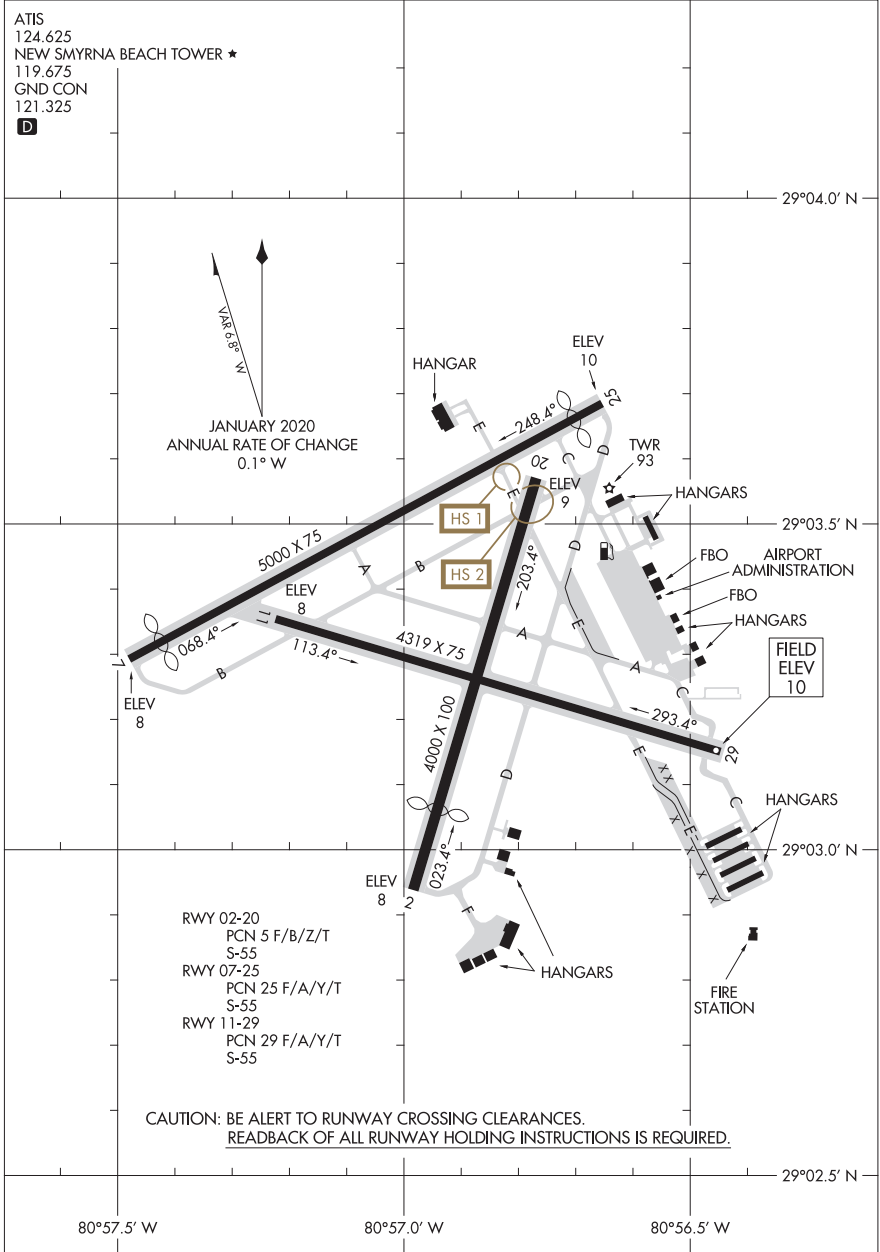
23222

AIRPORT DIAGRAM

AL-6459 (FAA)

NEW SMYRNA BEACH MUNI (EVB)  
NEW SMYRNA BEACH, FLORIDA

ATIS  
124.625  
NEW SMYRNA BEACH TOWER ★  
119.675  
GND CON  
121.325  
**D**



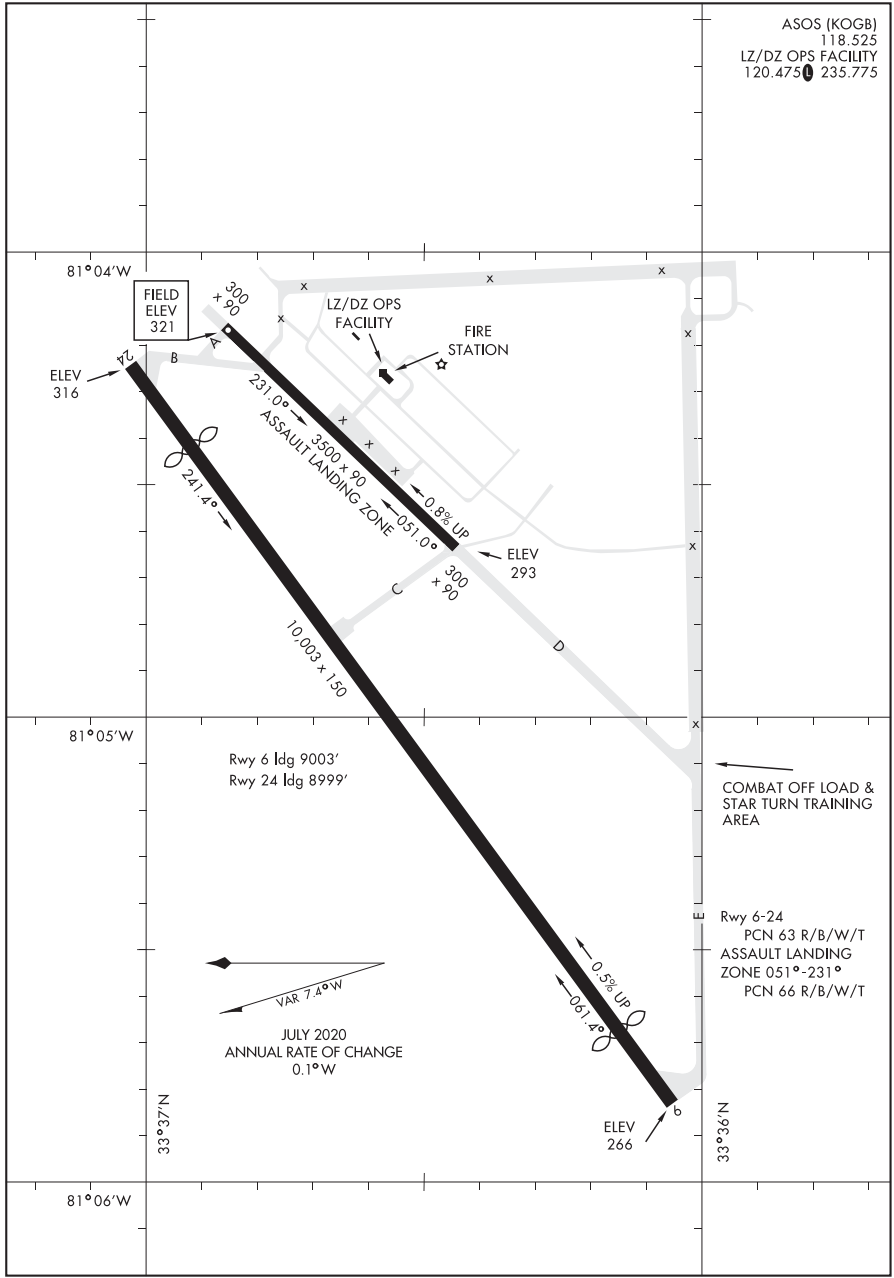
AIRPORT DIAGRAM  
23222

NEW SMYRNA BEACH, FLORIDA  
NEW SMYRNA BEACH MUNI (EVB)

# AIRPORT DIAGRAM

AFD-3017 [USAF]

NORTH, SOUTH CAROLINA



# AIRPORT DIAGRAM

NORTH, SOUTH CAROLINA

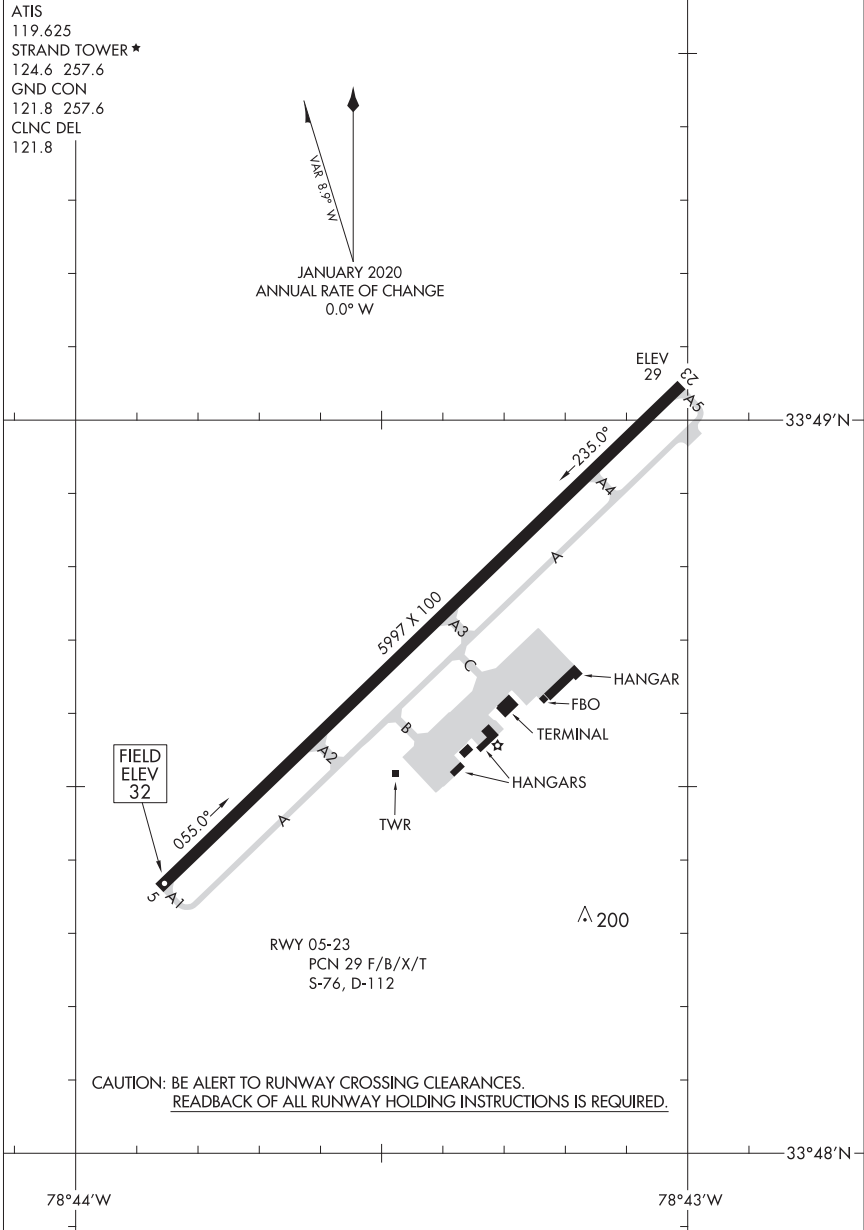
NORTH AF AUX (KXNO)

21224

# AIRPORT DIAGRAM

AL-5097 (FAA)

GRAND STRAND (CRE)  
NORTH MYRTLE BEACH, SOUTH CAROLINA



# AIRPORT DIAGRAM

21224

NORTH MYRTLE BEACH, SOUTH CAROLINA  
GRAND STRAND (CRE)

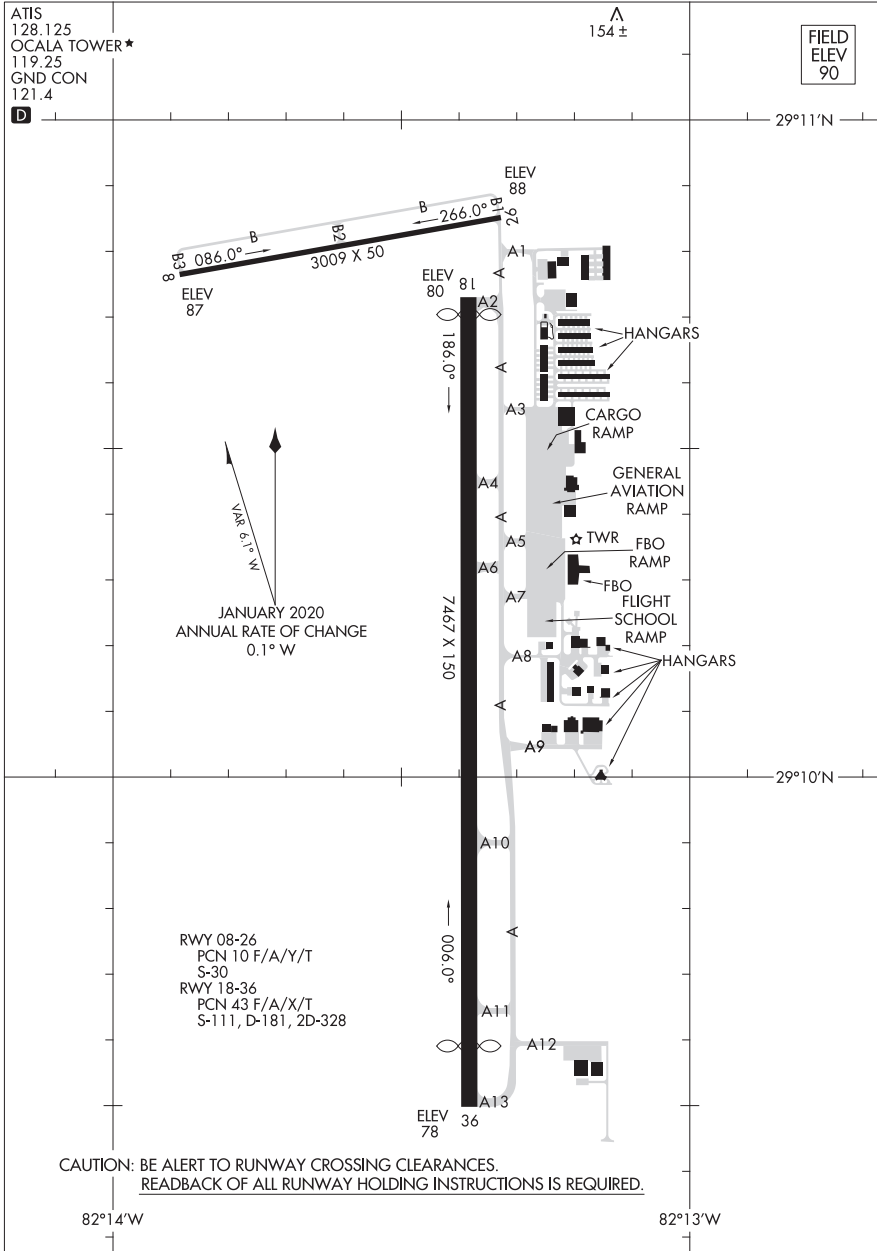
23166

OCALA INTL-JIM TAYLOR FLD (OCF)

AIRPORT DIAGRAM

AL-5055 (FAA)

OCALA, FLORIDA



AIRPORT DIAGRAM

OCALA, FLORIDA

23166

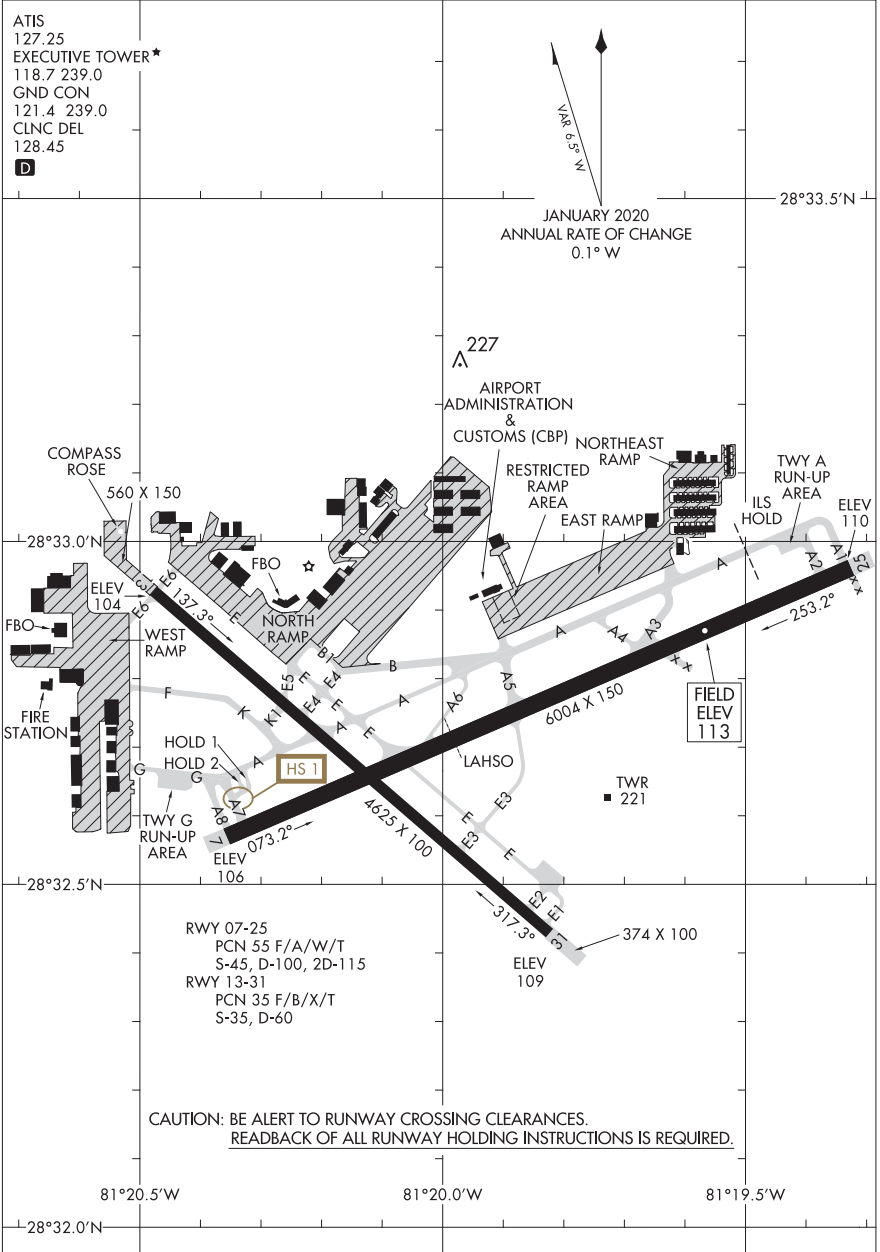
OCALA INTL-JIM TAYLOR FLD (OCF)

24025

AIRPORT DIAGRAM

AL-305 (FAA)

EXEC (ORL)  
ORLANDO, FLORIDA



AIRPORT DIAGRAM  
24025

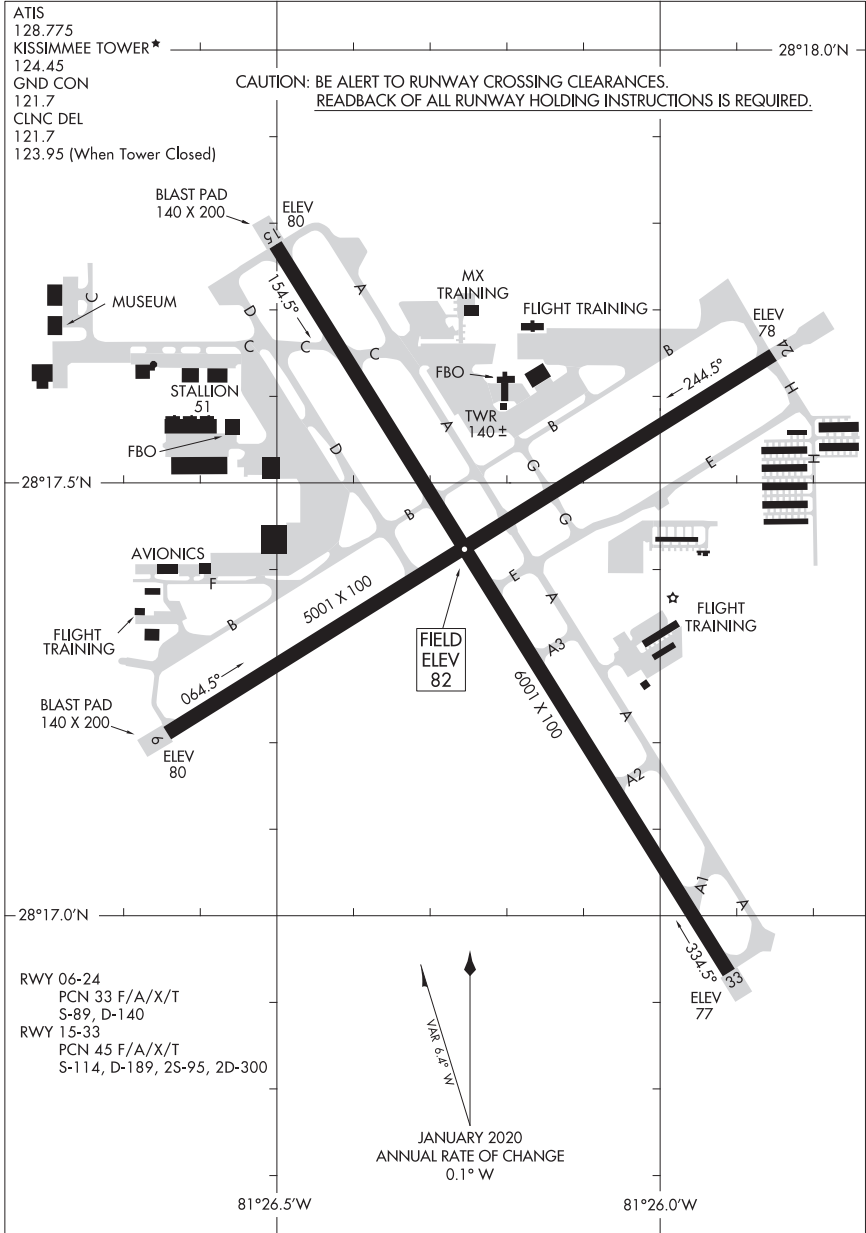
ORLANDO, FLORIDA  
EXEC (ORL)

23334

# AIRPORT DIAGRAM

AL-5793 (FAA)

KISSIMMEE GATEWAY (ISM)  
ORLANDO, FLORIDA



# AIRPORT DIAGRAM

23334

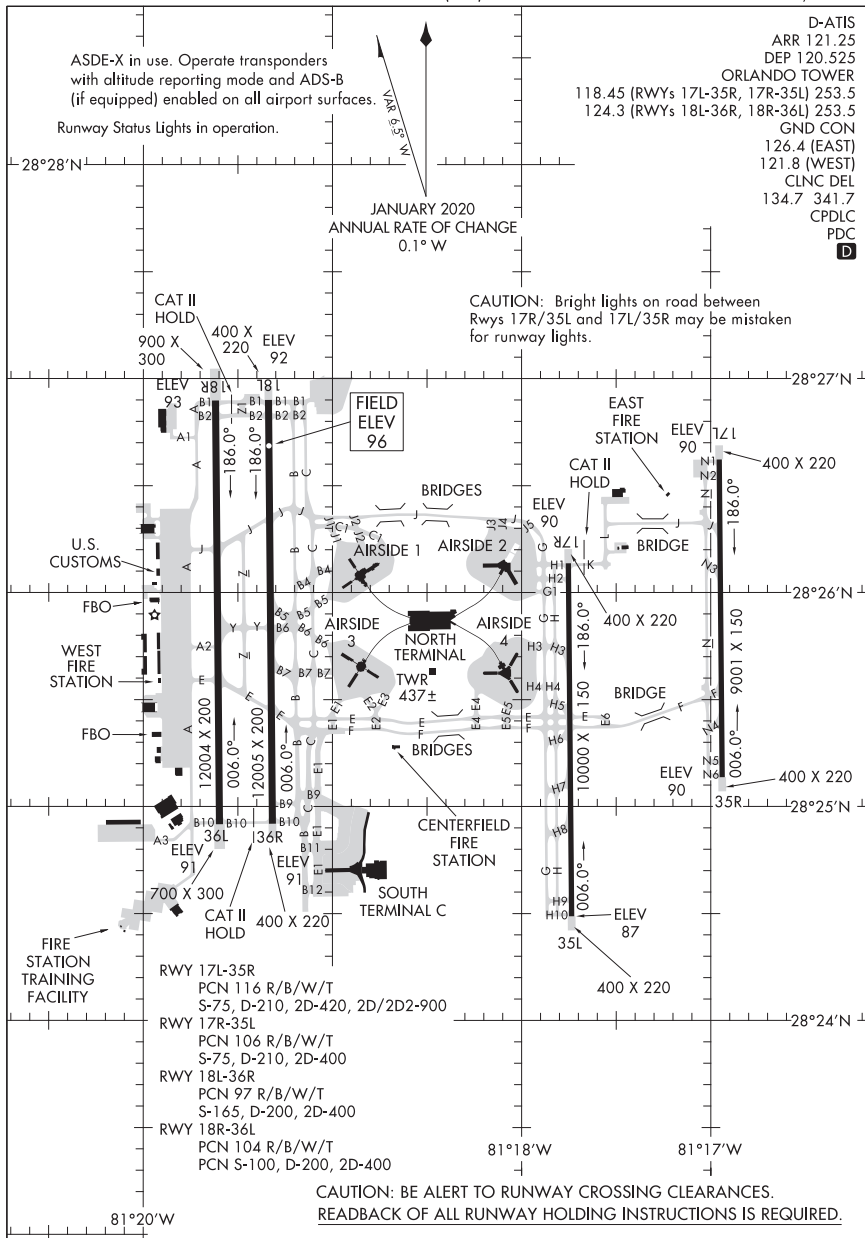
ORLANDO, FLORIDA  
KISSIMMEE GATEWAY (ISM)

21280

AIRPORT DIAGRAM

ORLANDO INTL (MCO)

ORLANDO, FLORIDA



AIRPORT DIAGRAM

21280

ORLANDO, FLORIDA

ORLANDO INTL (MCO)



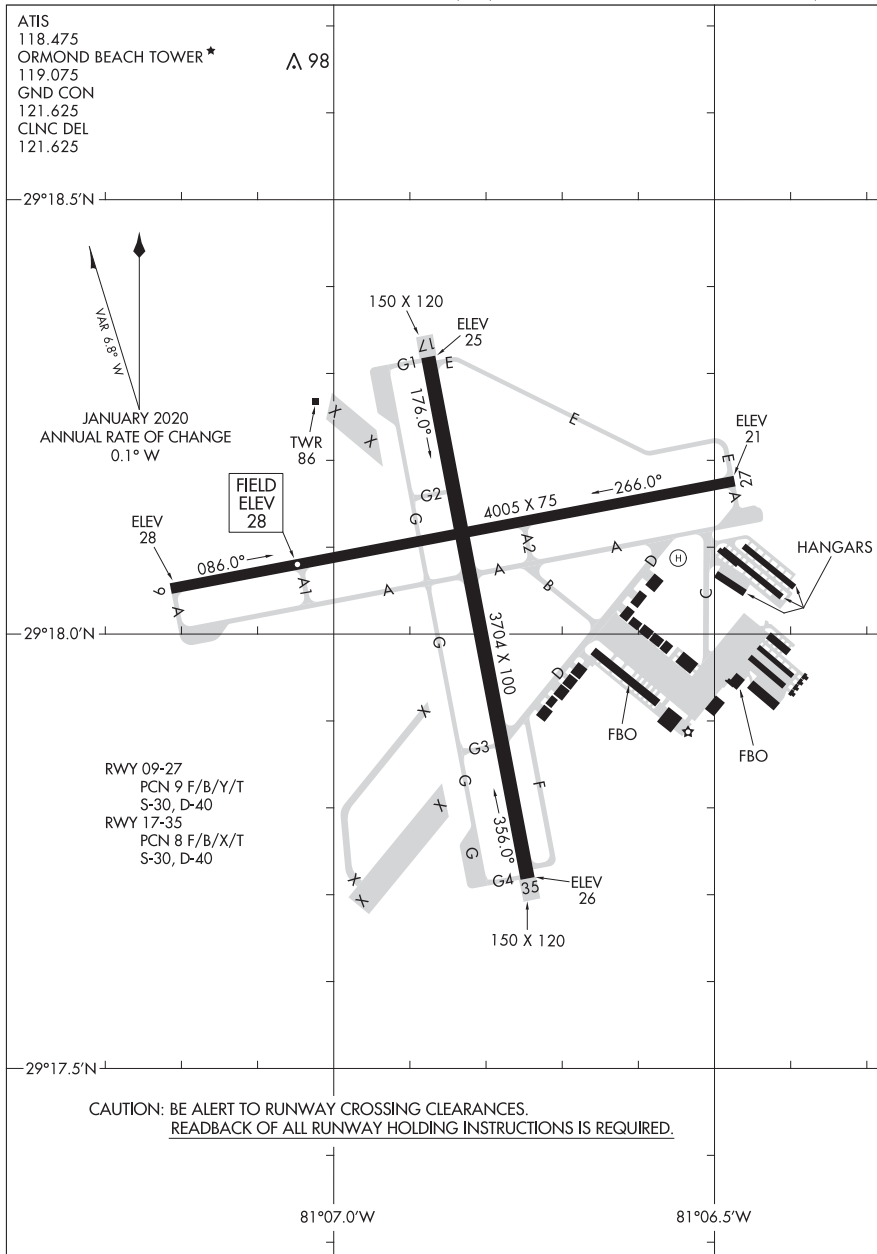


22363

AIRPORT DIAGRAM

AL-5459 (FAA)

ORMOND BEACH MUNI(OMN)  
ORMOND BEACH, FLORIDA



AIRPORT DIAGRAM

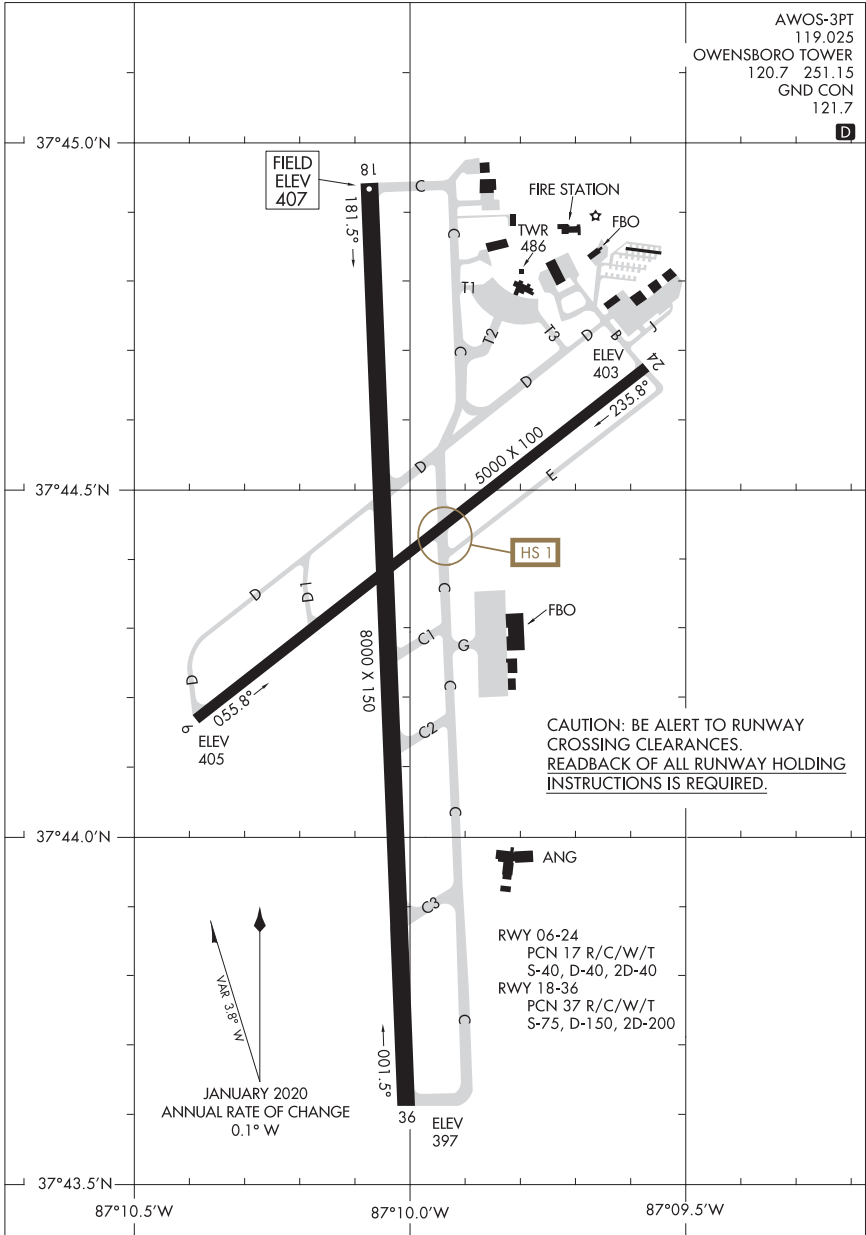
22363

ORMOND BEACH, FLORIDA  
ORMOND BEACH MUNI(OMN)

22027

# AIRPORT DIAGRAM

OWENSBORO/DAVIESS COUNTY RGNL (OWB)  
AL-707 (FAA) OWENSBORO, KENTUCKY



# AIRPORT DIAGRAM

22027

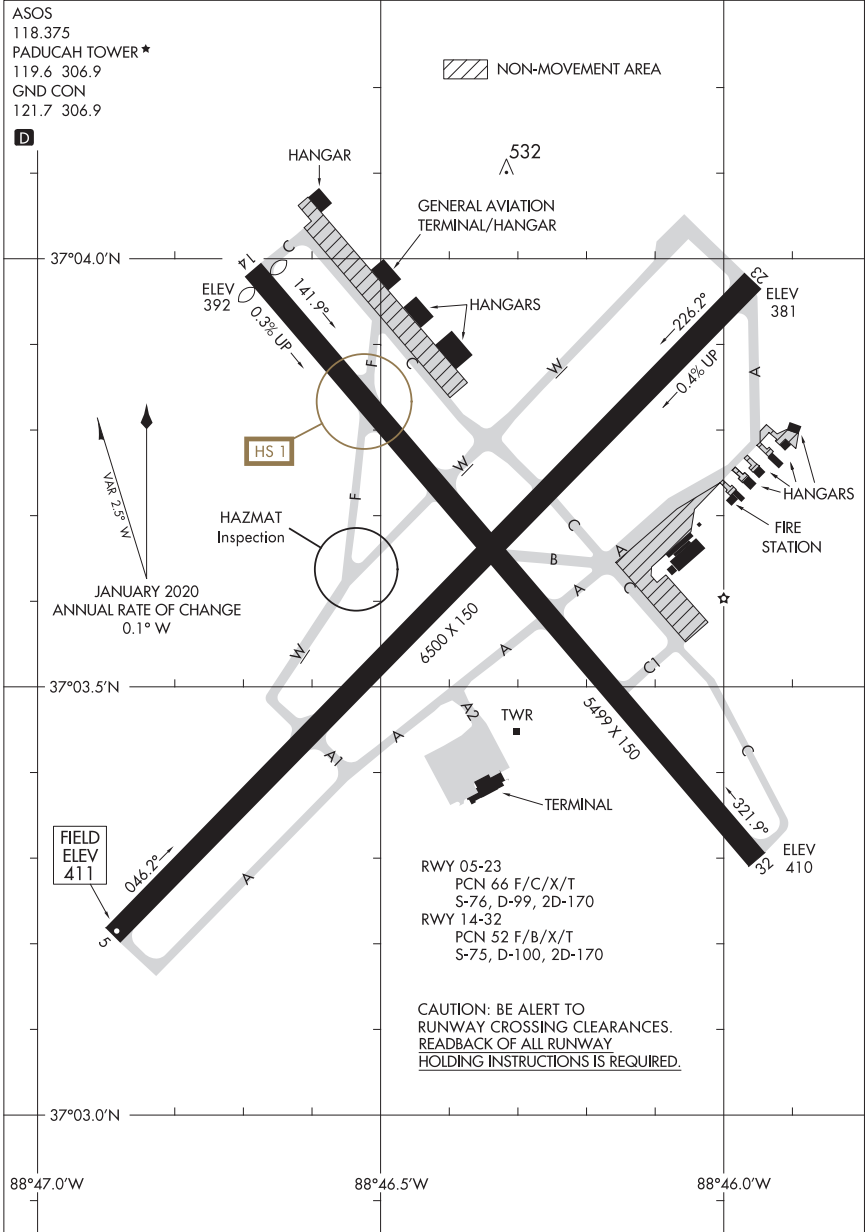
OWENSBORO, KENTUCKY  
OWENSBORO/DAVIESS COUNTY RGNL (OWB)

23110

AIRPORT DIAGRAM

AL-628 (FAA)

BARKLEY RGNL (P.A.H)  
PADUCAH, KENTUCKY



AIRPORT DIAGRAM

23110

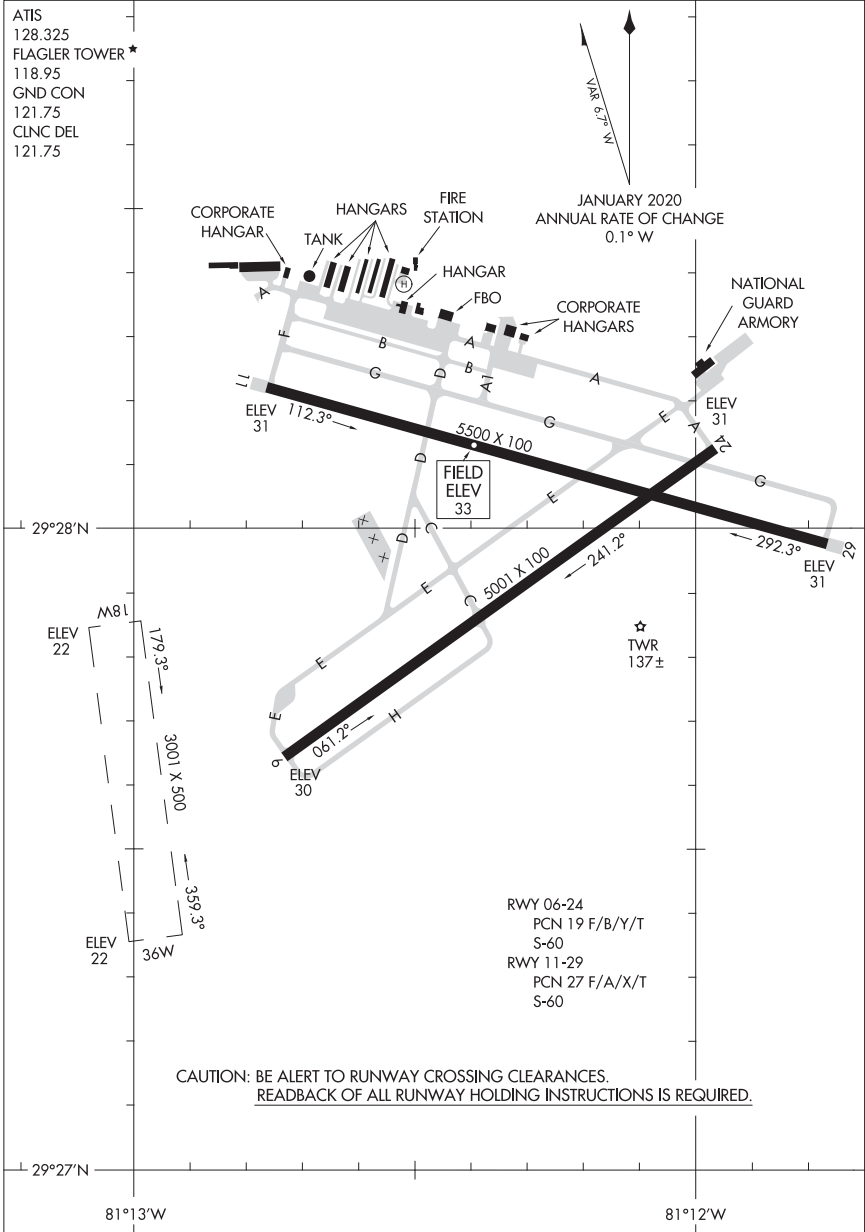
PADUCAH, KENTUCKY  
BARKLEY RGNL (P.A.H)

22083

AIRPORT DIAGRAM

AL-6440 (FAA)

FLAGLER EXEC (FIN)  
PALM COAST, FLORIDA



AIRPORT DIAGRAM

PALM COAST, FLORIDA  
FLAGLER EXEC (FIN)

22083

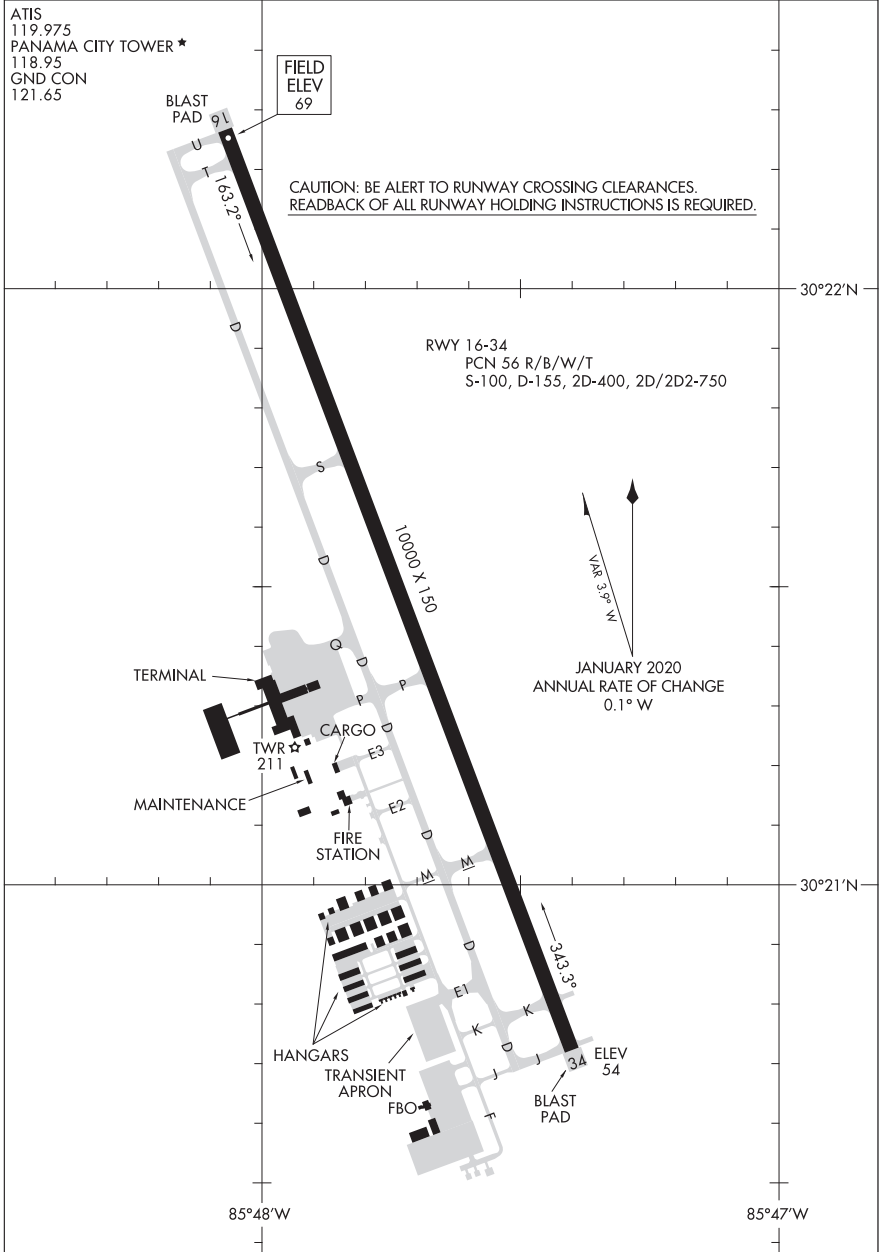
20254

AIRPORT DIAGRAM

NORTHWEST FLORIDA BEACHES INTL (E/C/P)

AL-10416 (FAA)

PANAMA CITY, FLORIDA



AIRPORT DIAGRAM

20254

PANAMA CITY, FLORIDA

NORTHWEST FLORIDA BEACHES INTL (E/C/P)

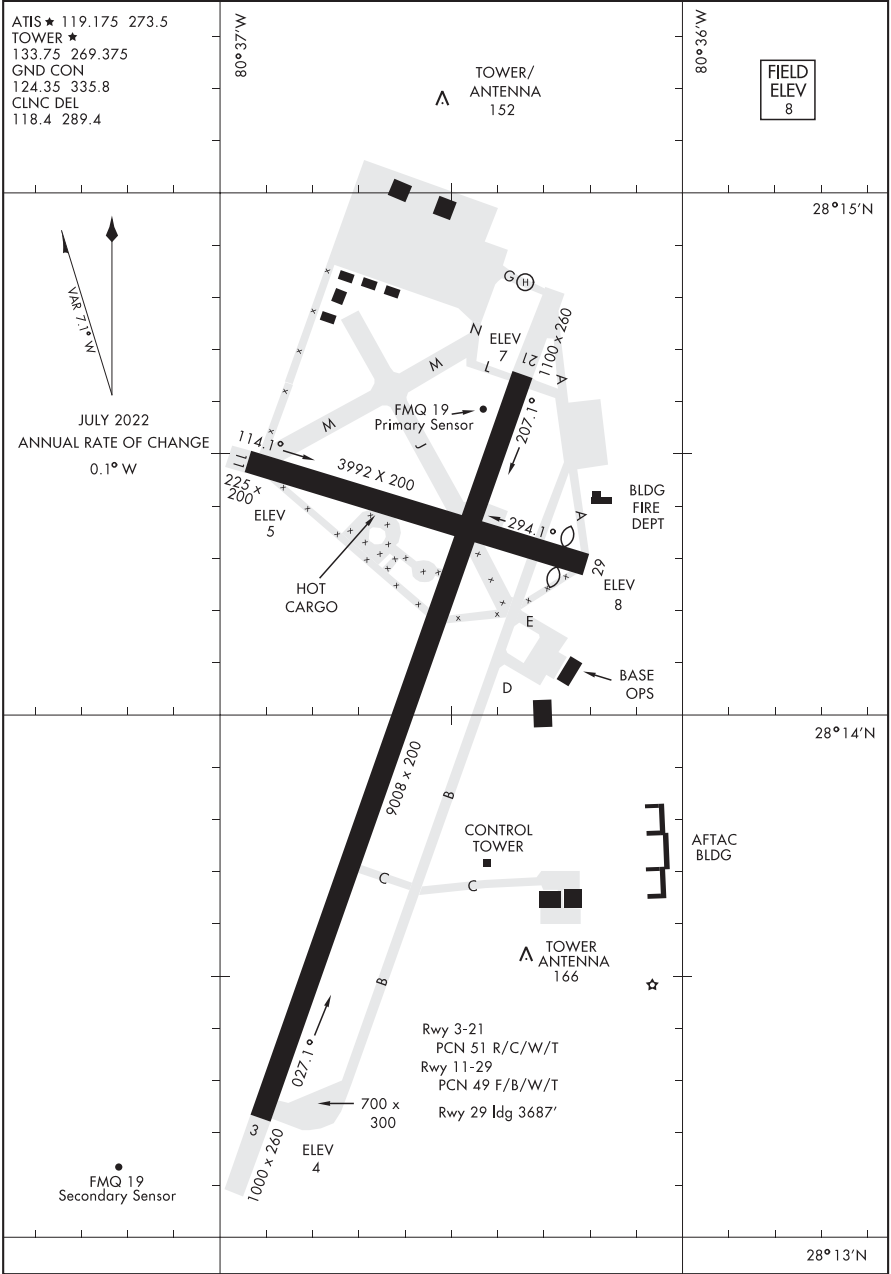
23306

PATRICK SFB (KCOF)

AIRPORT DIAGRAM

AL-38 [USSF]

COCOA BEACH, FLORIDA



AIRPORT DIAGRAM

COCOA BEACH, FLORIDA  
PATRICK SFB (KCOF)

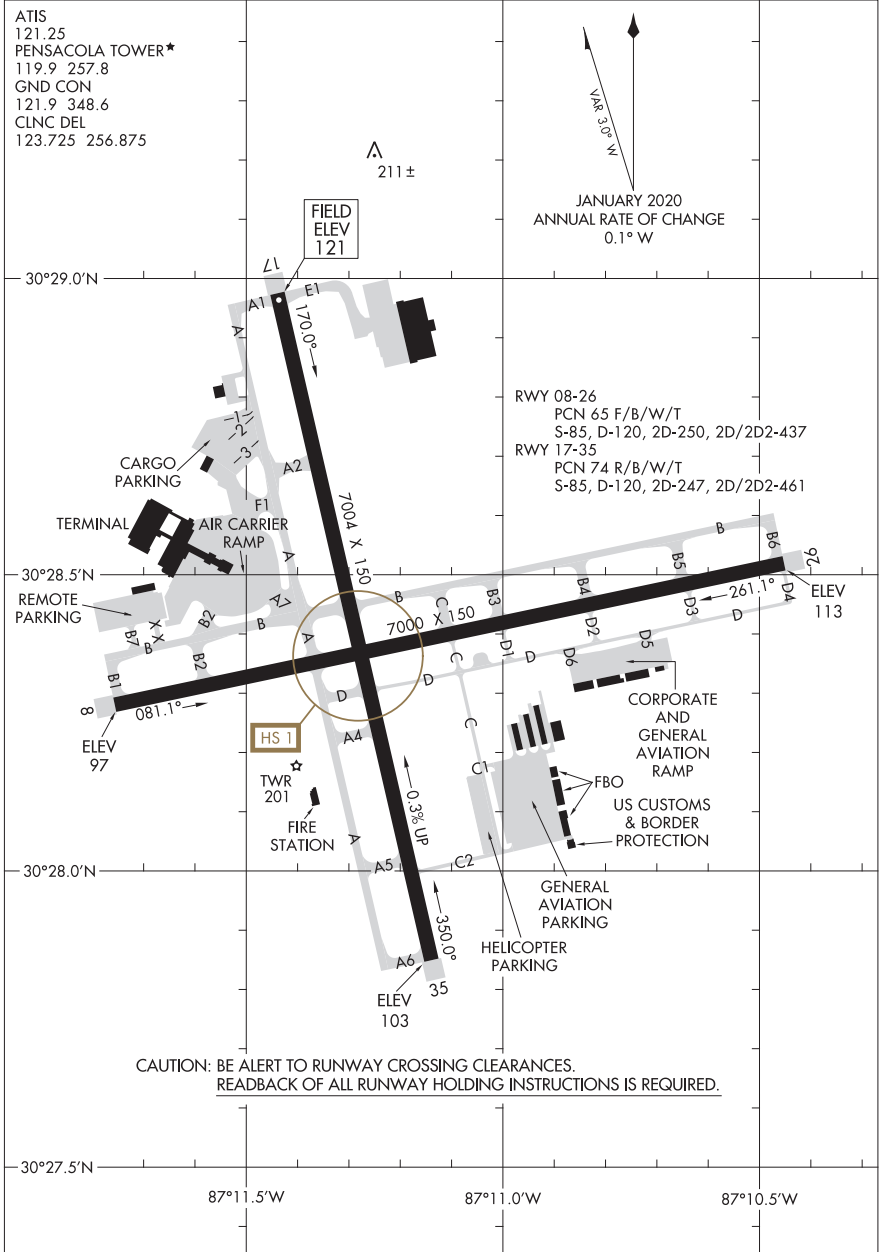
23166

AIRPORT DIAGRAM

AL-318 (FAA)

PENSACOLA INTL (PNS)

PENSACOLA, FLORIDA



AIRPORT DIAGRAM

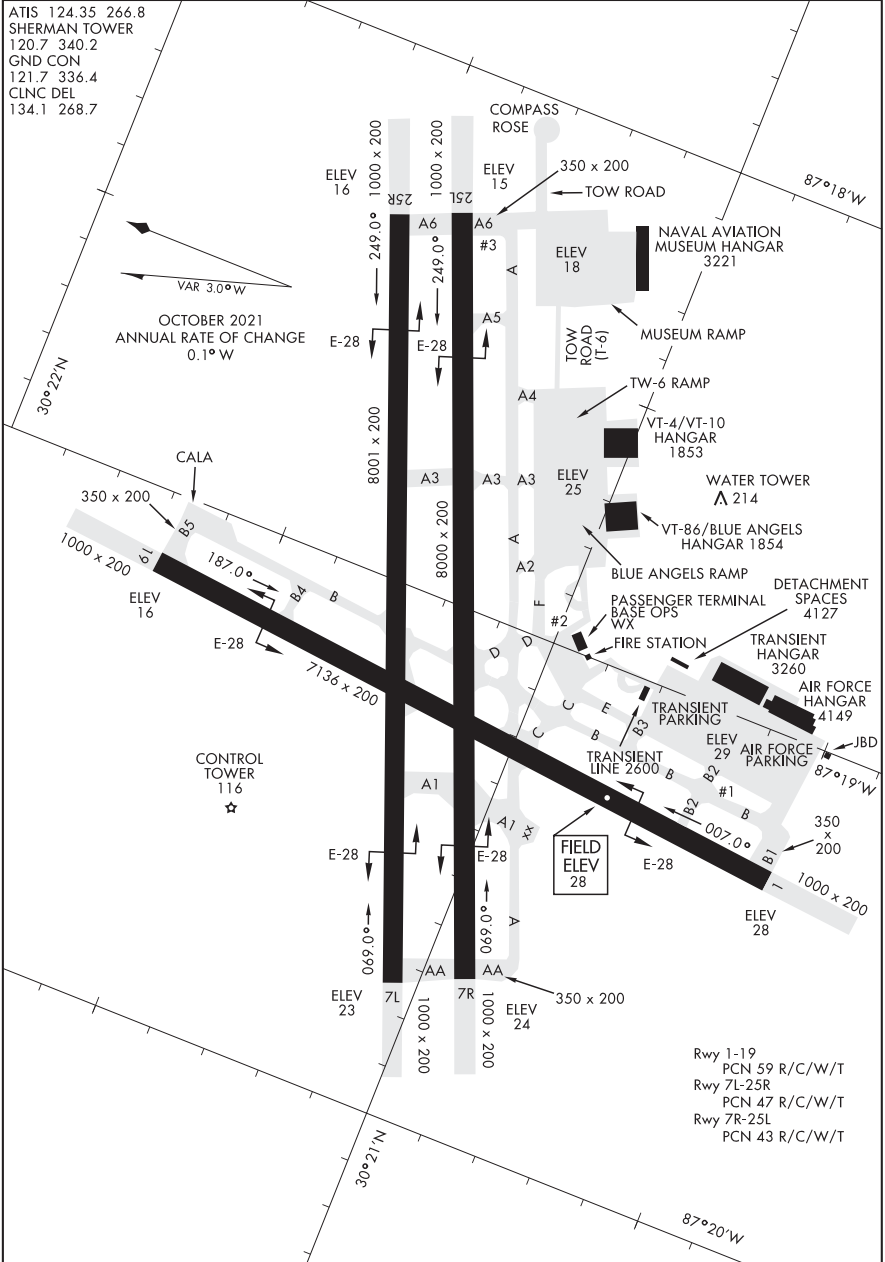
23166

PENSACOLA, FLORIDA

PENSACOLA INTL (PNS)



AIRPORT DIAGRAM



AIRPORT DIAGRAM

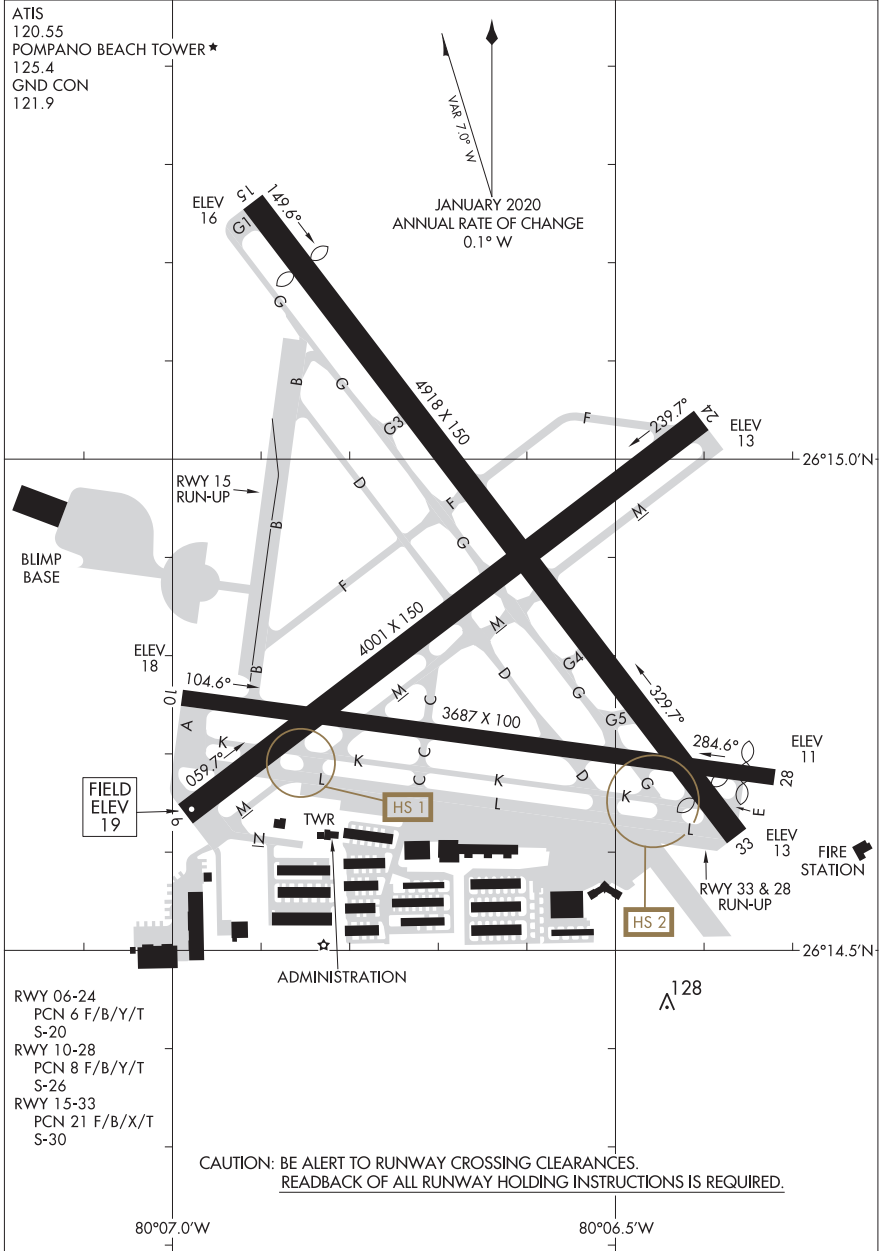
24025

AIRPORT DIAGRAM

AL-5972 (FAA)

POMPANO BEACH AIRPARK (PMP)

POMPANO BEACH, FLORIDA



ATIS  
120.55  
POMPANO BEACH TOWER ★  
125.4  
GND CON  
121.9

RWY 06-24  
PCN 6 F/B/Y/T  
S-20  
RWY 10-28  
PCN 8 F/B/Y/T  
S-26  
RWY 15-33  
PCN 21 F/B/X/T  
S-30

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

24025

POMPANO BEACH, FLORIDA

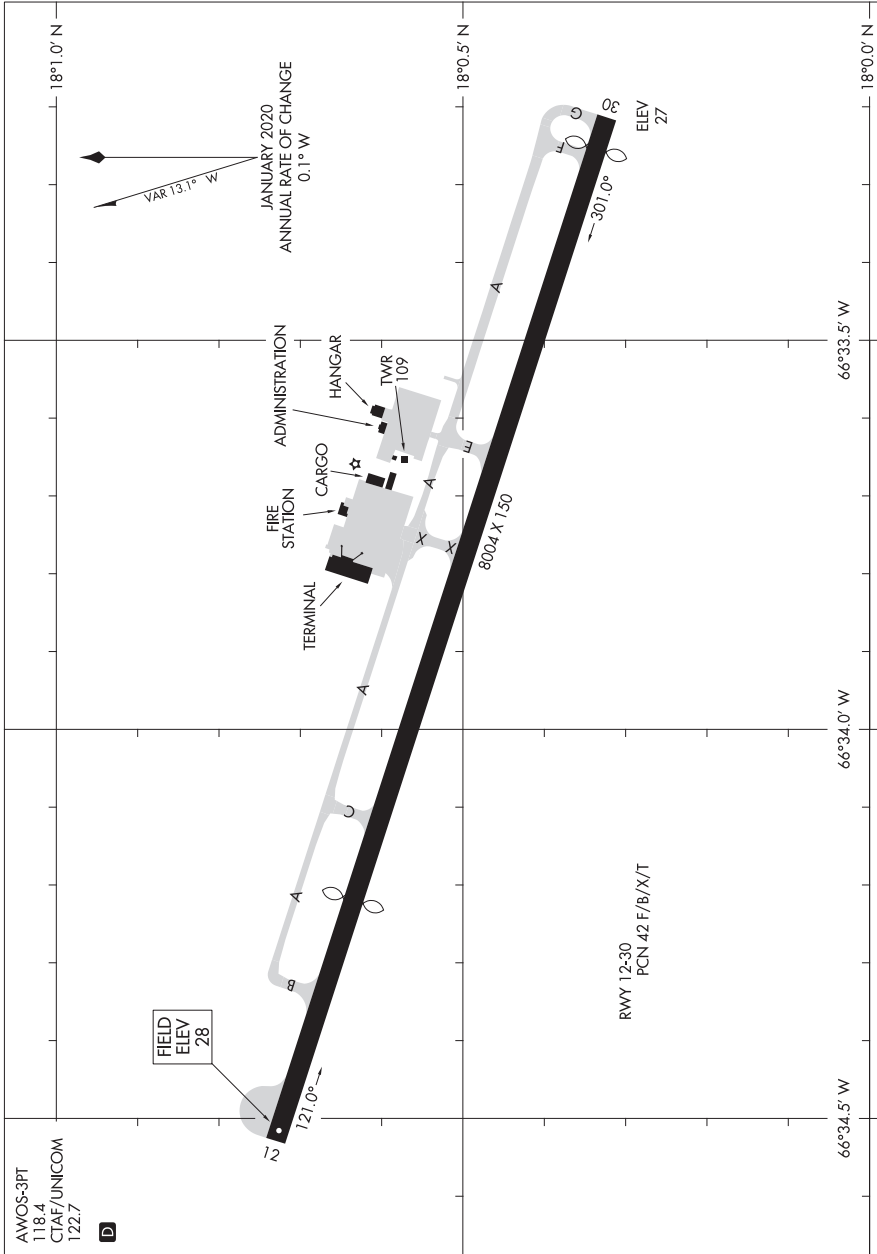
POMPANO BEACH AIRPARK (PMP)

23166

AIRPORT DIAGRAM

AL-5248 (FAA)

MERCEDITA (PSE) (TJPS)  
PONCE, PUERTO RICO



AWOS-3PT  
118.4  
CTAF/UNICOM  
122.7



AIRPORT DIAGRAM

23166

PONCE, PUERTO RICO  
MERCEDITA (PSE) (TJPS)

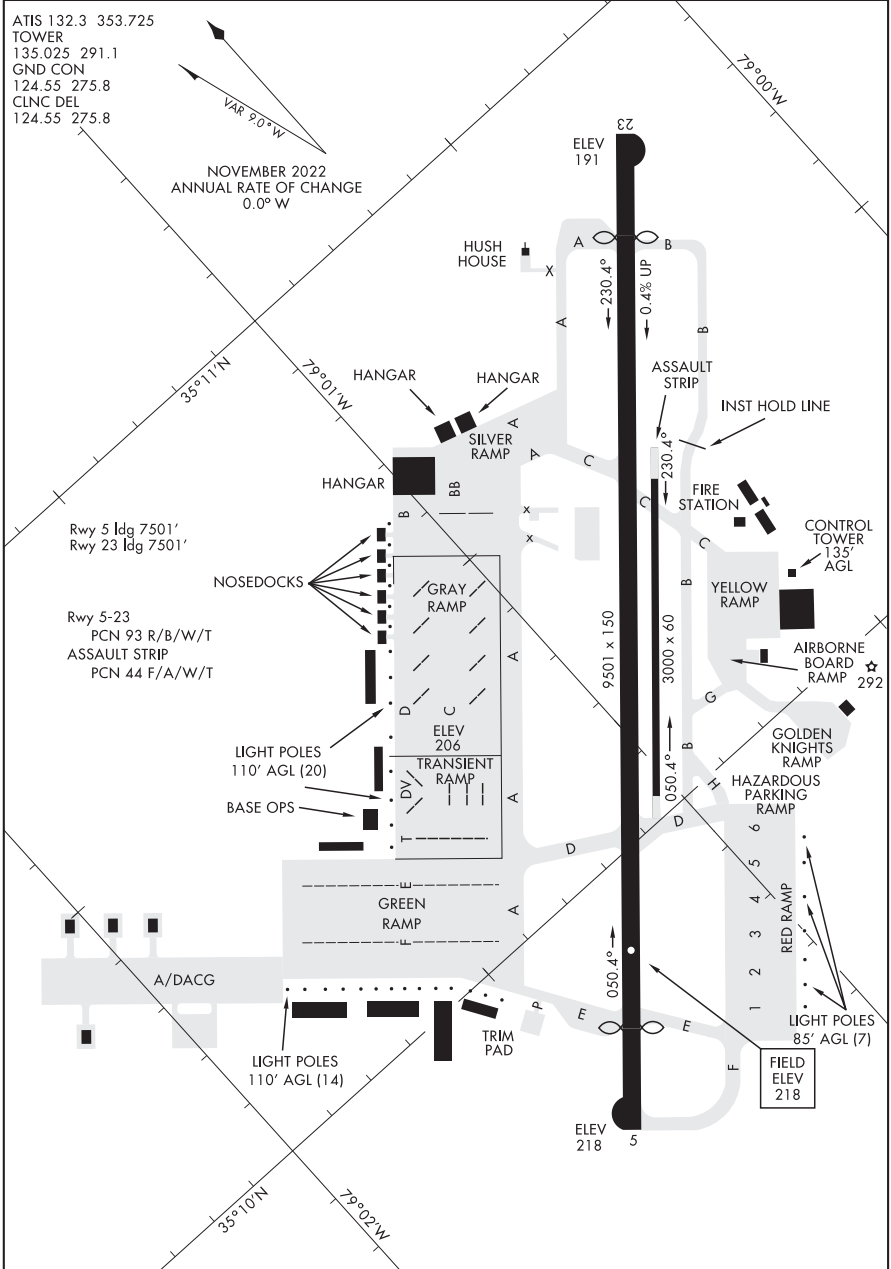
23278

POPE AAF (KPOB)

AIRPORT DIAGRAM

AL-147 [USAF]

FORT LIBERTY, NORTH CAROLINA



AIRPORT DIAGRAM

FORT LIBERTY, NORTH CAROLINA

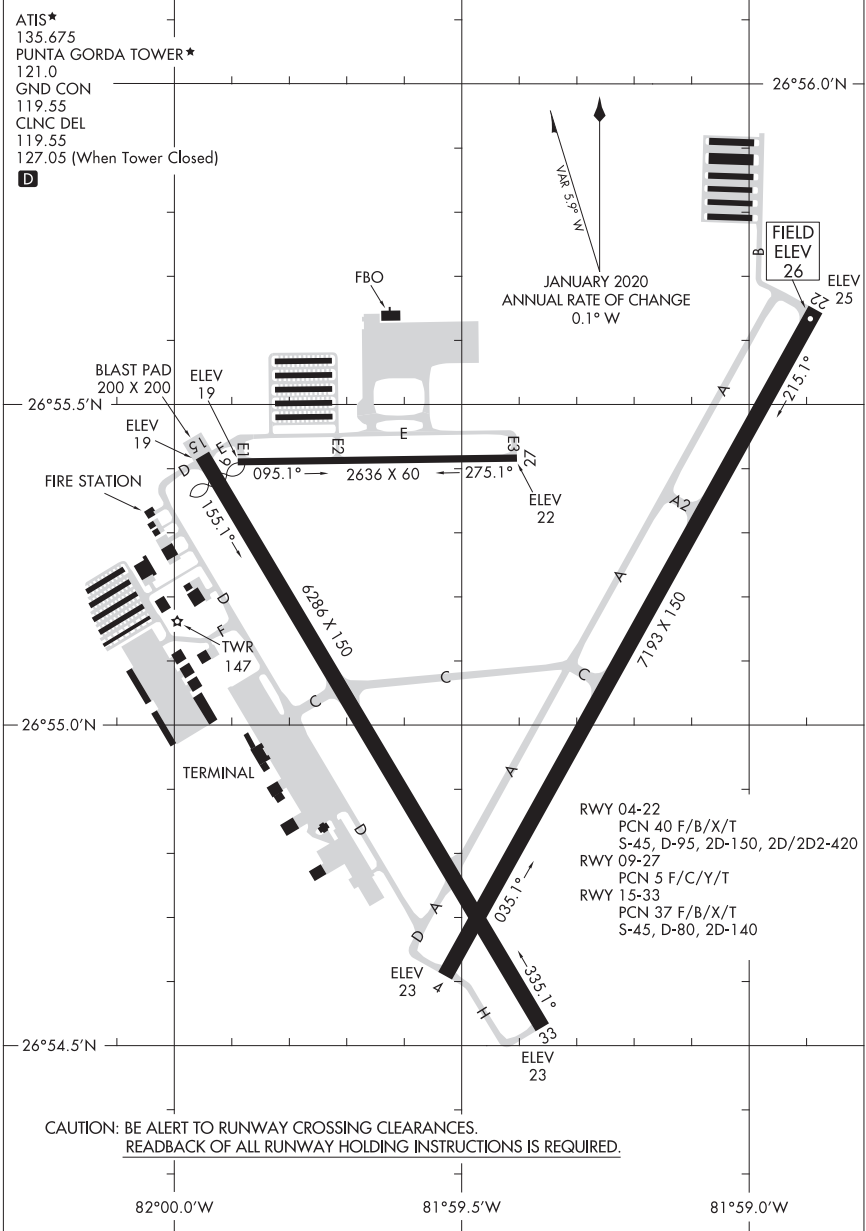
POPE AAF (KPOB)

22363

# AIRPORT DIAGRAM

AL-6178 (FAA)

PUNTA GORDA (PGD)  
PUNTA GORDA, FLORIDA



# AIRPORT DIAGRAM

22363

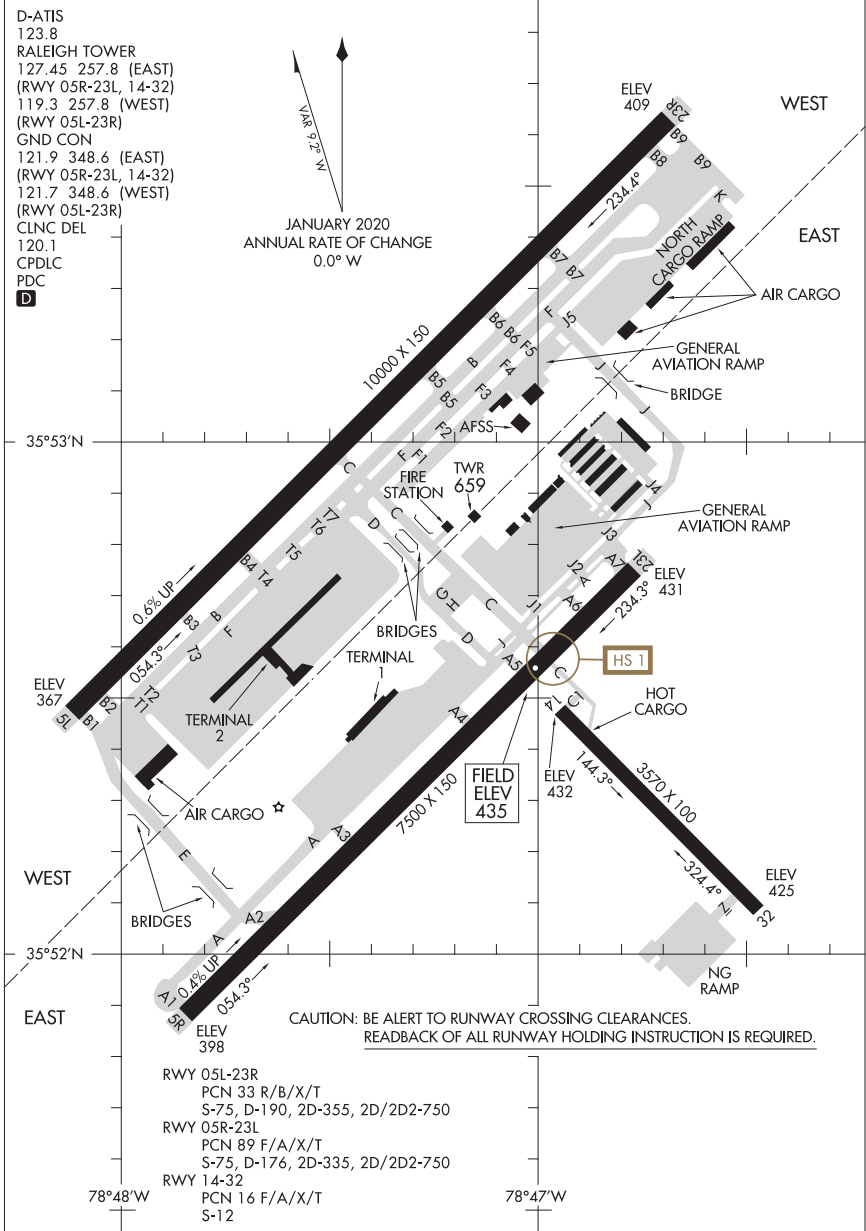
PUNTA GORDA, FLORIDA  
PUNTA GORDA (PGD)

20366

AIRPORT DIAGRAM

AL-516 (FAA)

RALEIGH-DURHAM INTL (RDU)  
RALEIGH/DURHAM, NORTH CAROLINA



AIRPORT DIAGRAM

20366

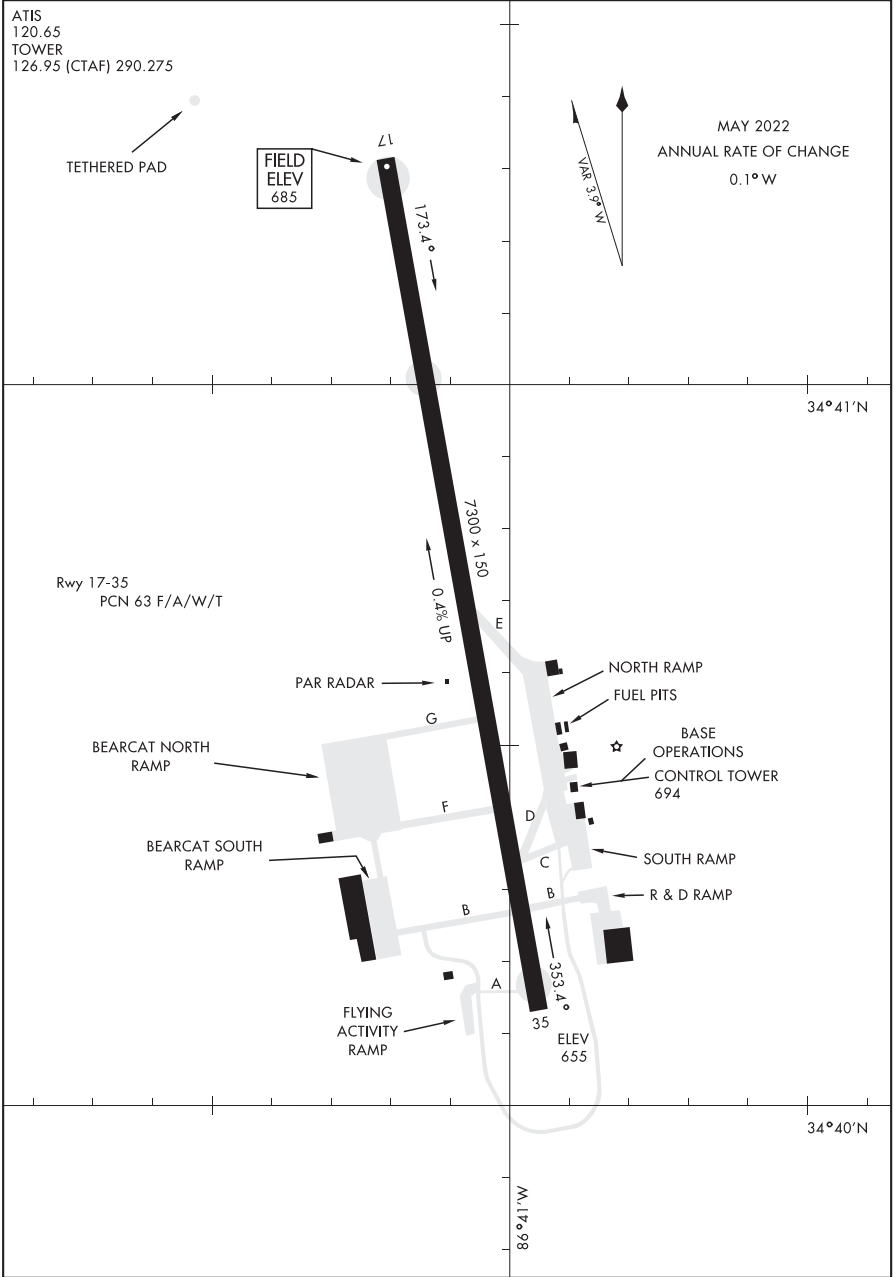
RALEIGH/DURHAM, NORTH CAROLINA  
RALEIGH-DURHAM INTL (RDU)

22139

AIRPORT DIAGRAM

AL-703 [USA]

REDSTONE AAF (KHUA)  
REDSTONE ARSENAL, ALABAMA



AIRPORT DIAGRAM

REDSTONE ARSENAL, ALABAMA  
REDSTONE AAF (KHUA)

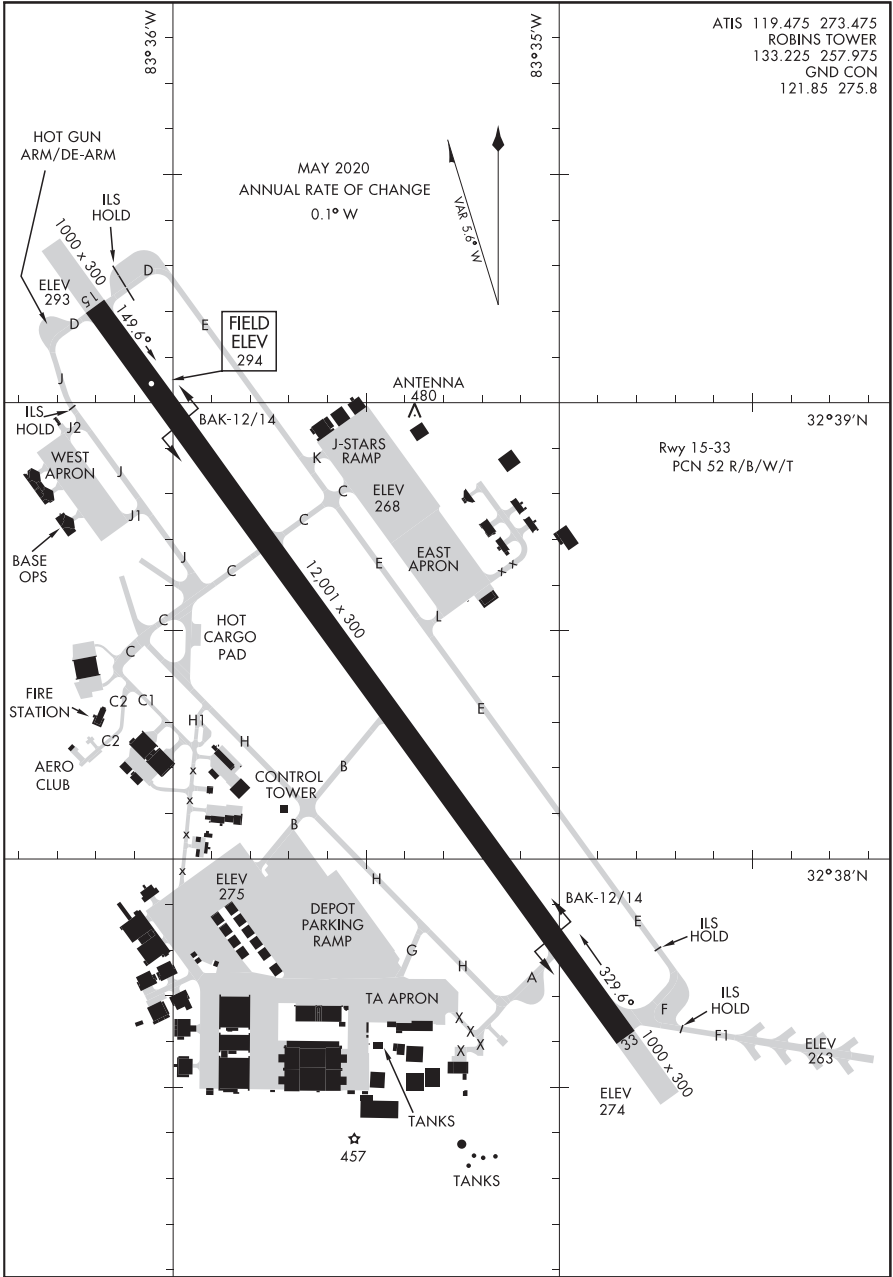
20142

AIRPORT DIAGRAM

AFD-442 [USAF]

ROBINS AFB (KWRB)  
WARNER ROBINS, GEORGIA

ATIS 119.475 273.475  
ROBINS TOWER  
133.225 257.975  
GND CON  
121.85 275.8



AIRPORT DIAGRAM

WARNER ROBINS, GEORGIA  
ROBINS AFB (KWRB)



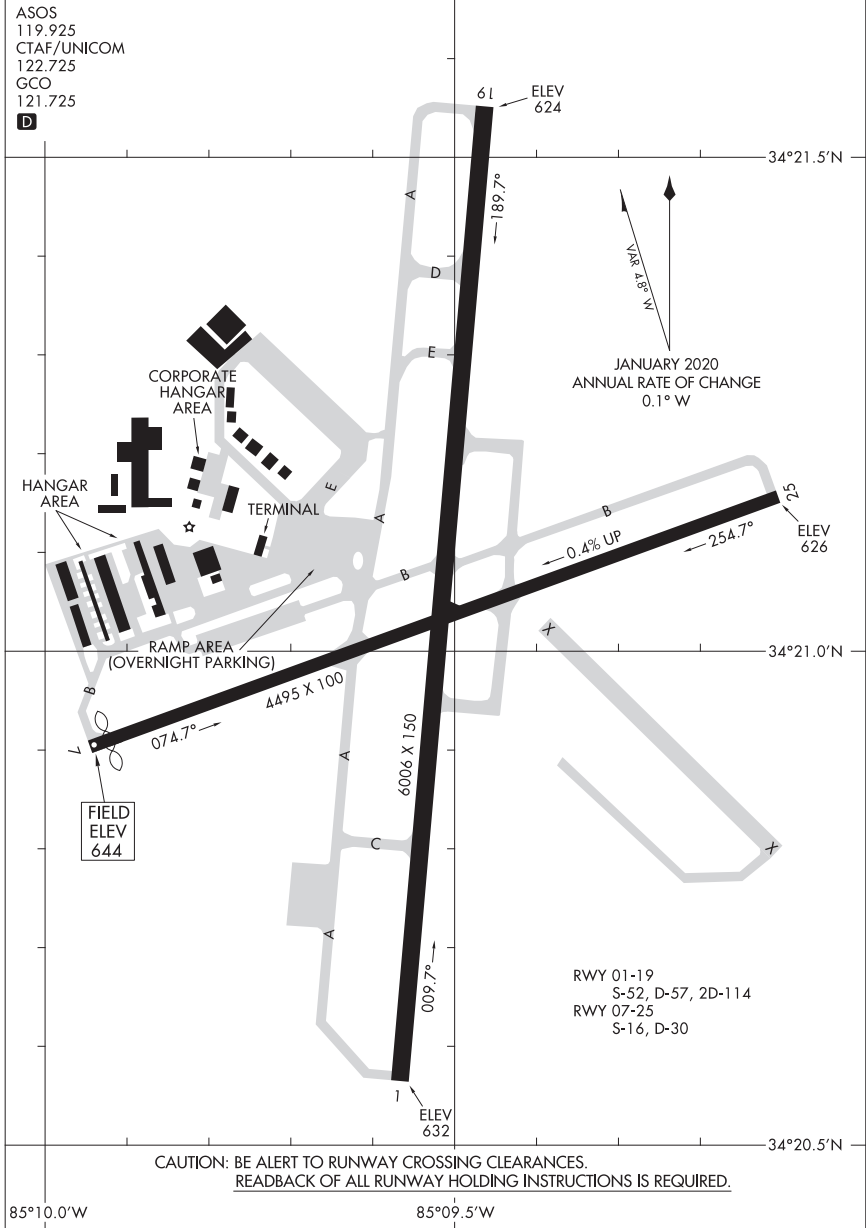
22139

RICHARD B RUSSELL RGNL - J H TOWERS FLD (RMG)

AIRPORT DIAGRAM

AL-855 (FAA)

ROME, GEORGIA



AIRPORT DIAGRAM

ROME, GEORGIA

22139

RICHARD B RUSSELL RGNL - J H TOWERS FLD (RMG)

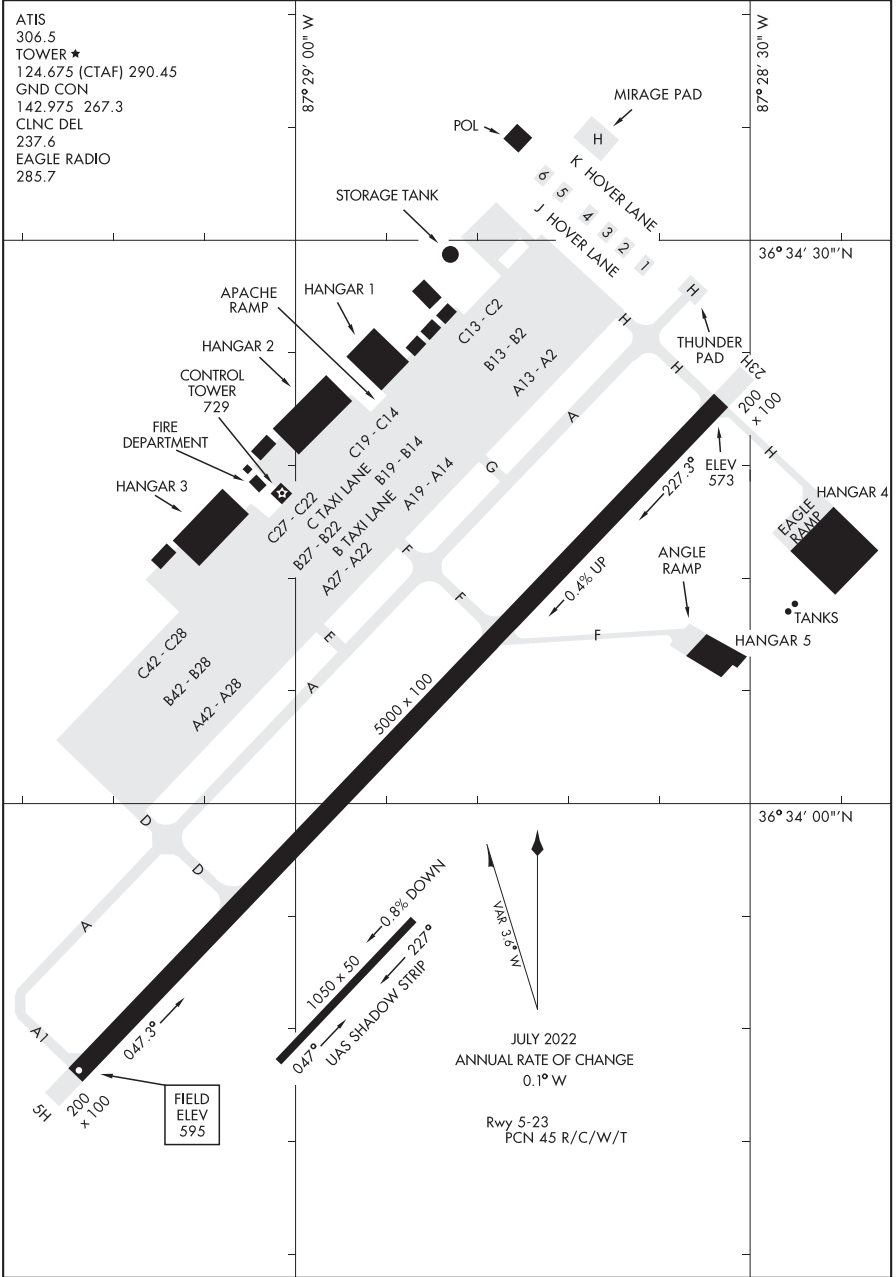
22195

SABRE AAF (FORT CAMPBELL) (KEOD)

AIRPORT DIAGRAM

AL-6373 [USA]

CLARKSVILLE, TENNESSEE



AIRPORT DIAGRAM

CLARKSVILLE, TENNESSEE

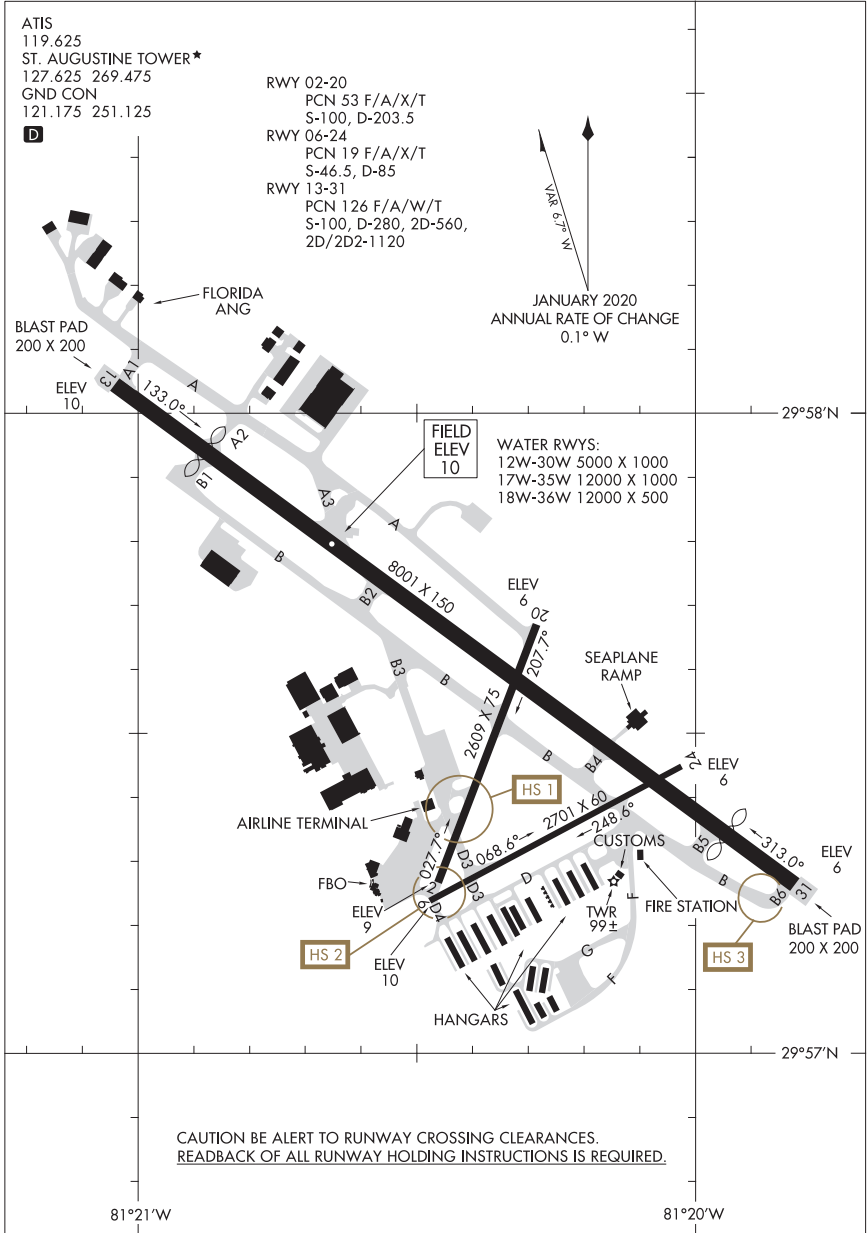
SABRE AAF (FORT CAMPBELL) (KEOD)

23054

# AIRPORT DIAGRAM

AL-692 (FAA)

NORTHEAST FLORIDA RGNL (SGJ)  
ST. AUGUSTINE, FLORIDA



# AIRPORT DIAGRAM

23054

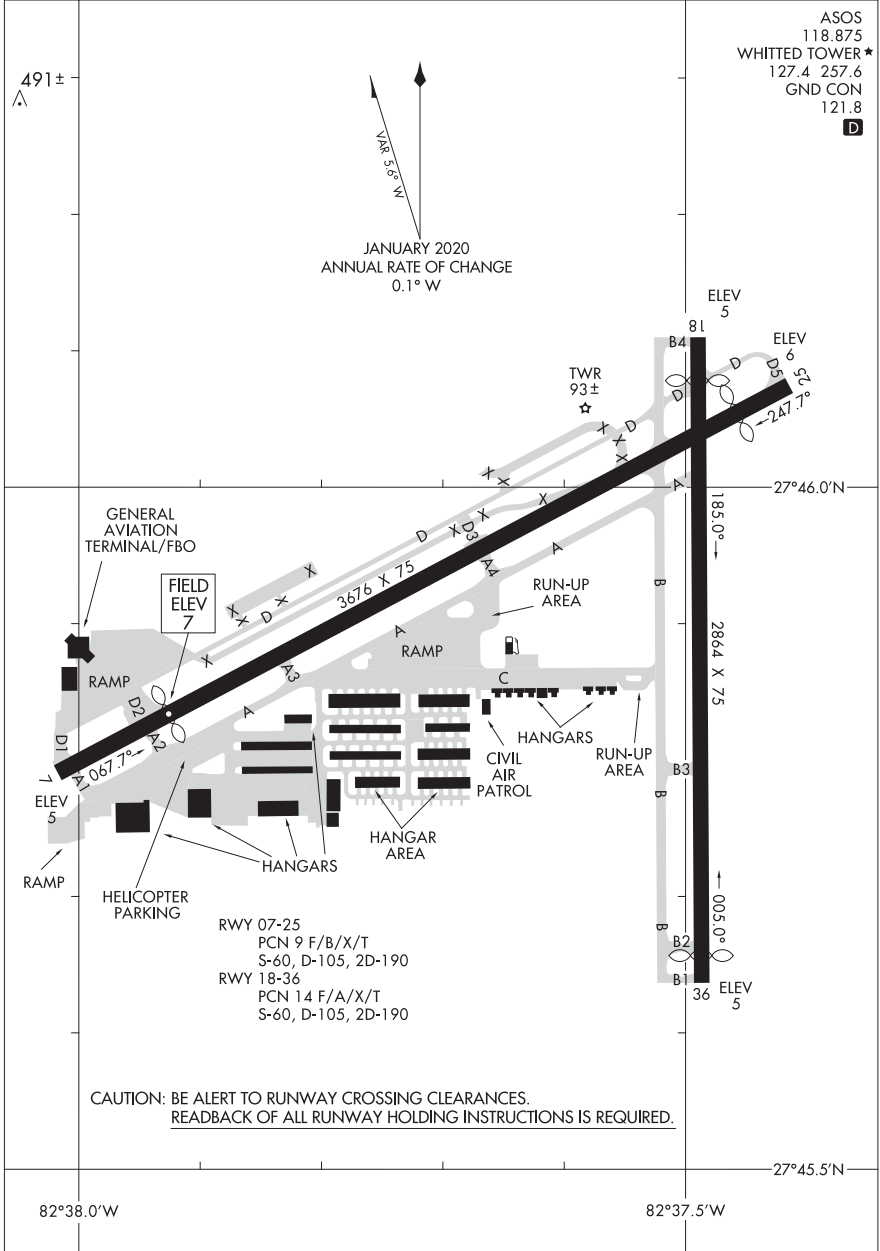
ST. AUGUSTINE, FLORIDA  
NORTHEAST FLORIDA RGNL (SGJ)

23166

AIRPORT DIAGRAM

AL-613 (FAA)

ALBERT WHITTED (SPG)  
ST PETERSBURG, FLORIDA



AIRPORT DIAGRAM

23166

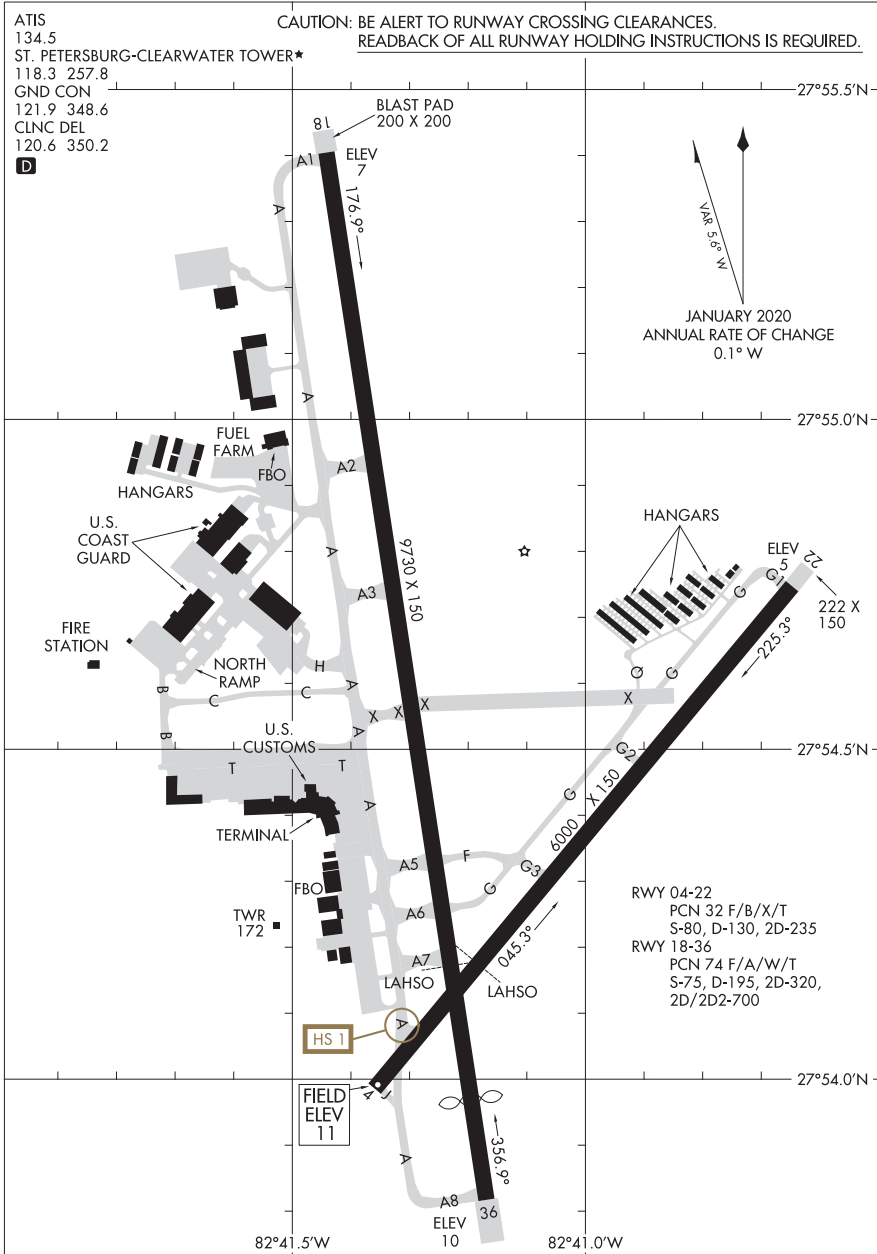
ST PETERSBURG, FLORIDA  
ALBERT WHITTED (SPG)

23334

AIRPORT DIAGRAM

AL-625 (FAA)

ST PETE-CLEARWATER INTL (PIE)  
ST. PETERSBURG-CLEARWATER, FLORIDA



AIRPORT DIAGRAM

23334

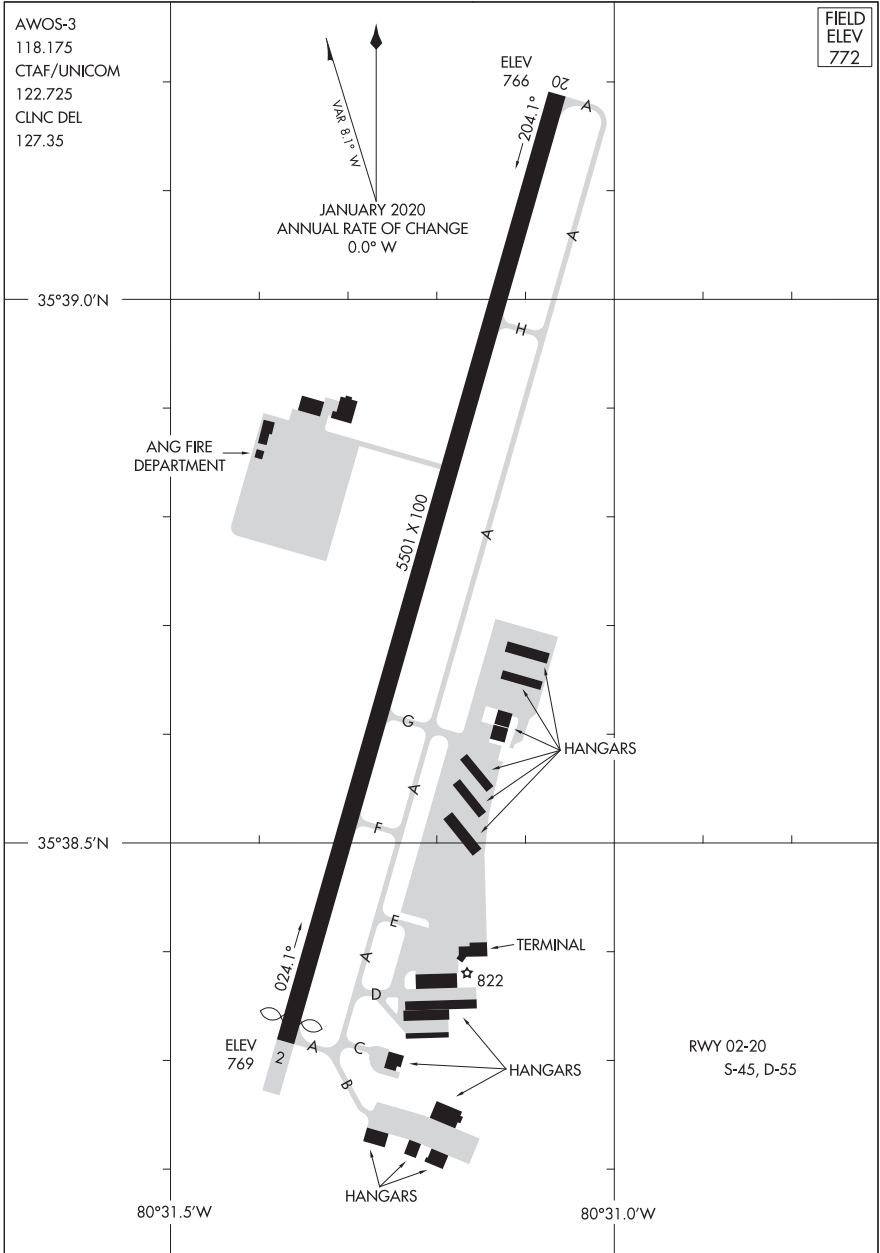
ST. PETERSBURG-CLEARWATER, FLORIDA  
ST PETE-CLEARWATER INTL (PIE)

20086

AIRPORT DIAGRAM

AL-5551 (FAA)

MID-CAROLINA RGNL (RUQ)  
SALISBURY, NORTH CAROLINA



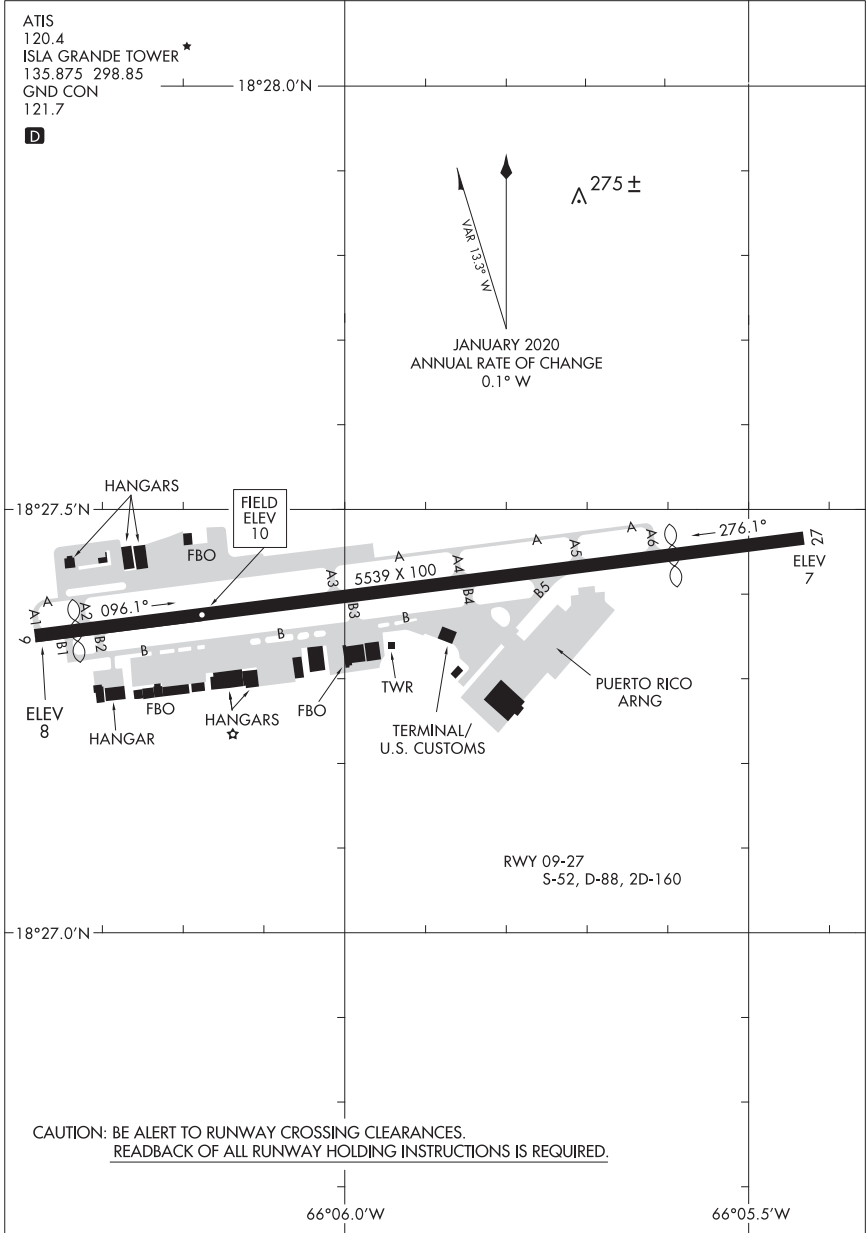
AIRPORT DIAGRAM  
20086

SALISBURY, NORTH CAROLINA  
MID-CAROLINA RGNL (RUQ)

22251

# AIRPORT DIAGRAM

FERNANDO LUIS RIBAS DOMINICCI (SIG) (TJIG)  
AL-1019 (FAA) SAN JUAN, PUERTO RICO



# AIRPORT DIAGRAM

22251

FERNANDO LUIS RIBAS DOMINICCI (SIG) (TJIG)  
SAN JUAN, PUERTO RICO

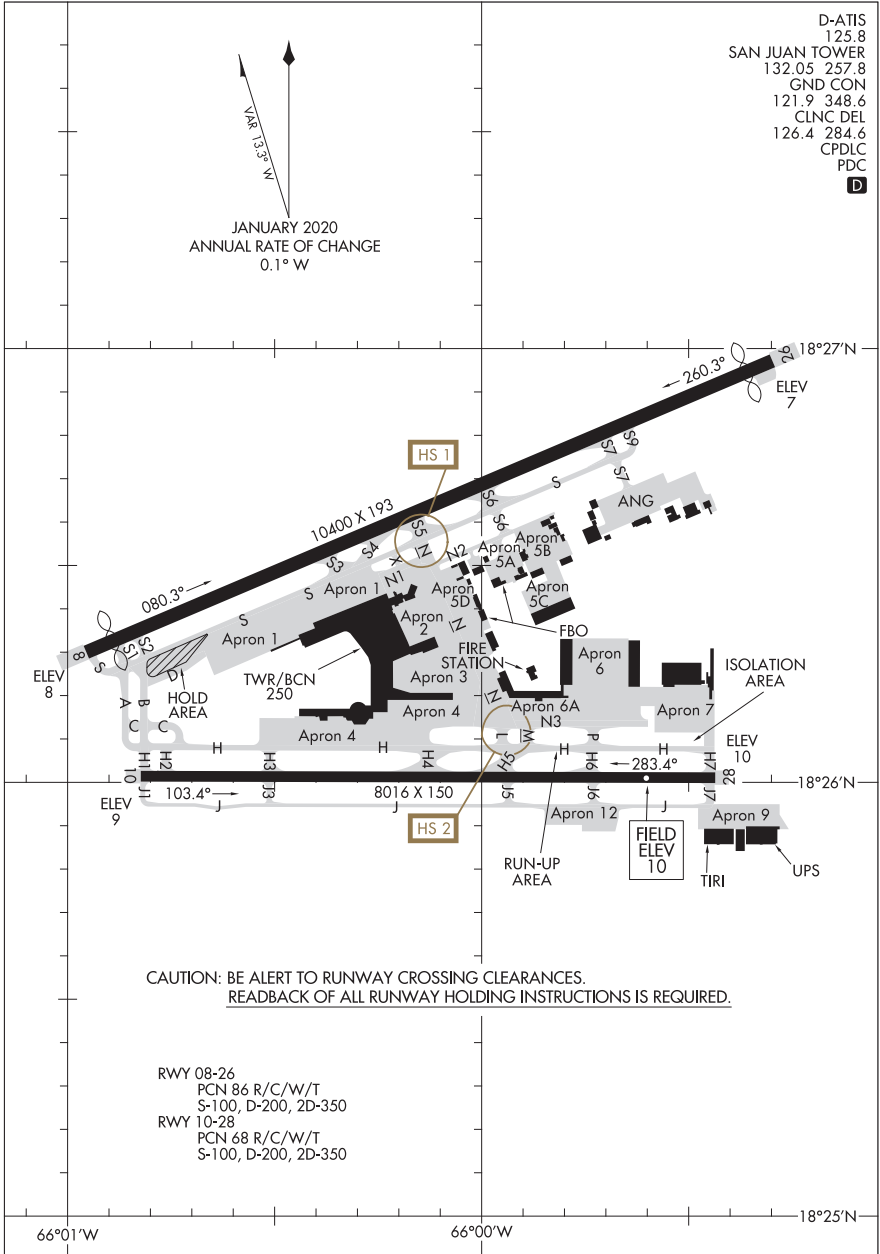
22307

AIRPORT DIAGRAM

AL-784 (FAA)

LUIS MUNOZ MARIN INTL (SJU) (TJSJ)

SAN JUAN, PUERTO RICO



- D-ATIS 125.8
- SAN JUAN TOWER 132.05 257.8
- GND CON 121.9 348.6
- CLNC DEL 126.4 284.6
- CPDLC 126.4 284.6
- PDC
- D**

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

RWY 08-26  
 PCN 86 R/C/W/T  
 S-100, D-200, 2D-350  
 RWY 10-28  
 PCN 68 R/C/W/T  
 S-100, D-200, 2D-350

AIRPORT DIAGRAM

22307

SAN JUAN, PUERTO RICO

LUIS MUNOZ MARIN INTL (SJU) (TJSJ)

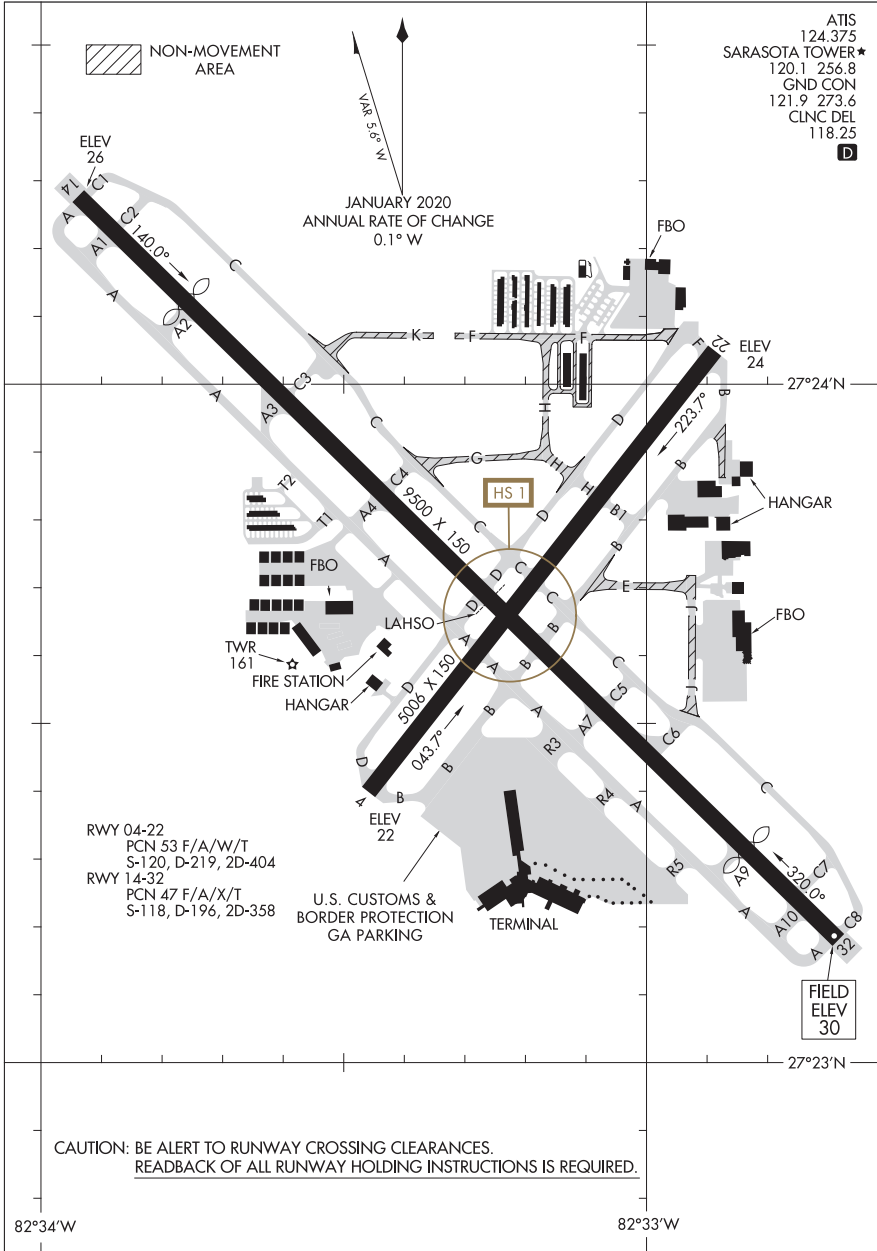


23334

AIRPORT DIAGRAM

SARASOTA/BRADENTON INTL (SRQ)

SARASOTA/BRADENTON, FLORIDA



AIRPORT DIAGRAM

23334

SARASOTA/BRADENTON, FLORIDA

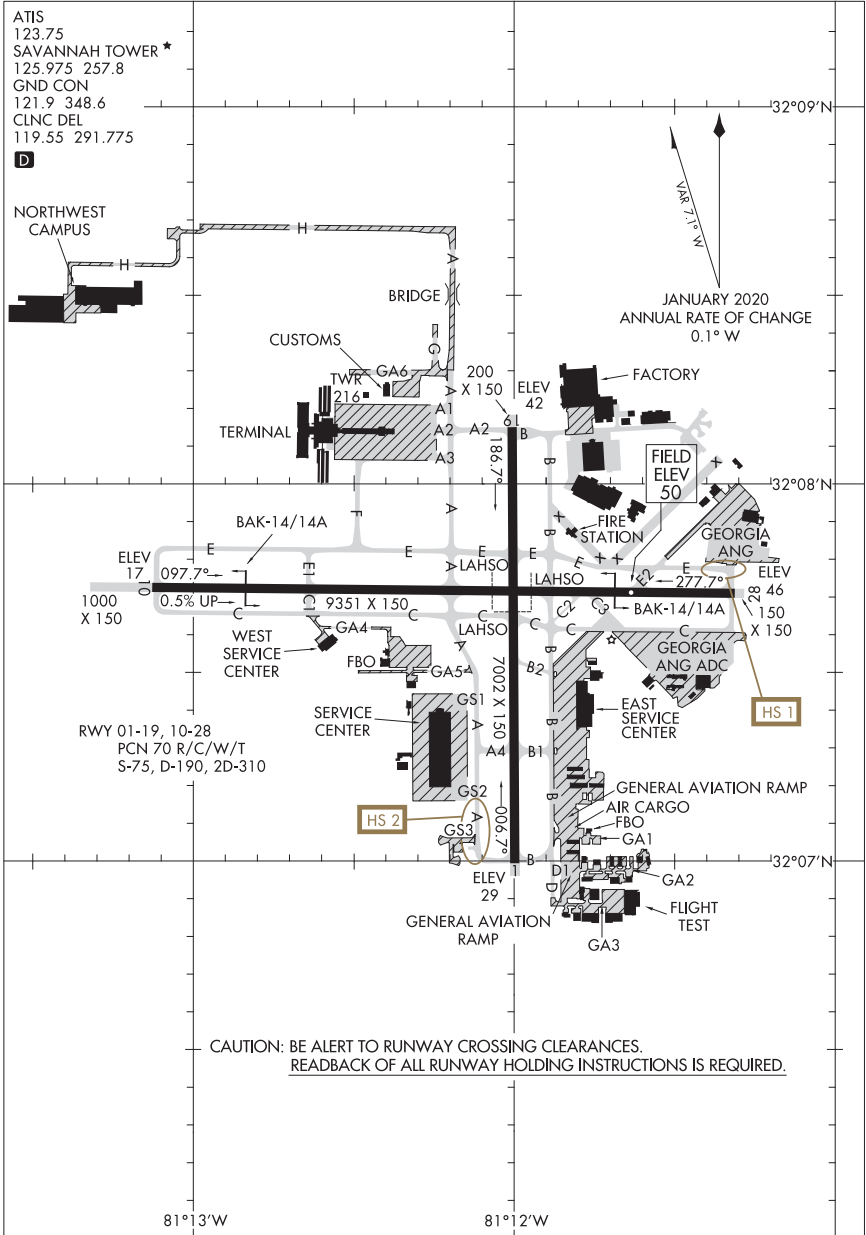
SARASOTA/BRADENTON INTL (SRQ)

24025

AIRPORT DIAGRAM

AL-380 (FAA)

SAVANNAH/HILTON HEAD INTL (SAV)  
SAVANNAH, GEORGIA



AIRPORT DIAGRAM  
24025

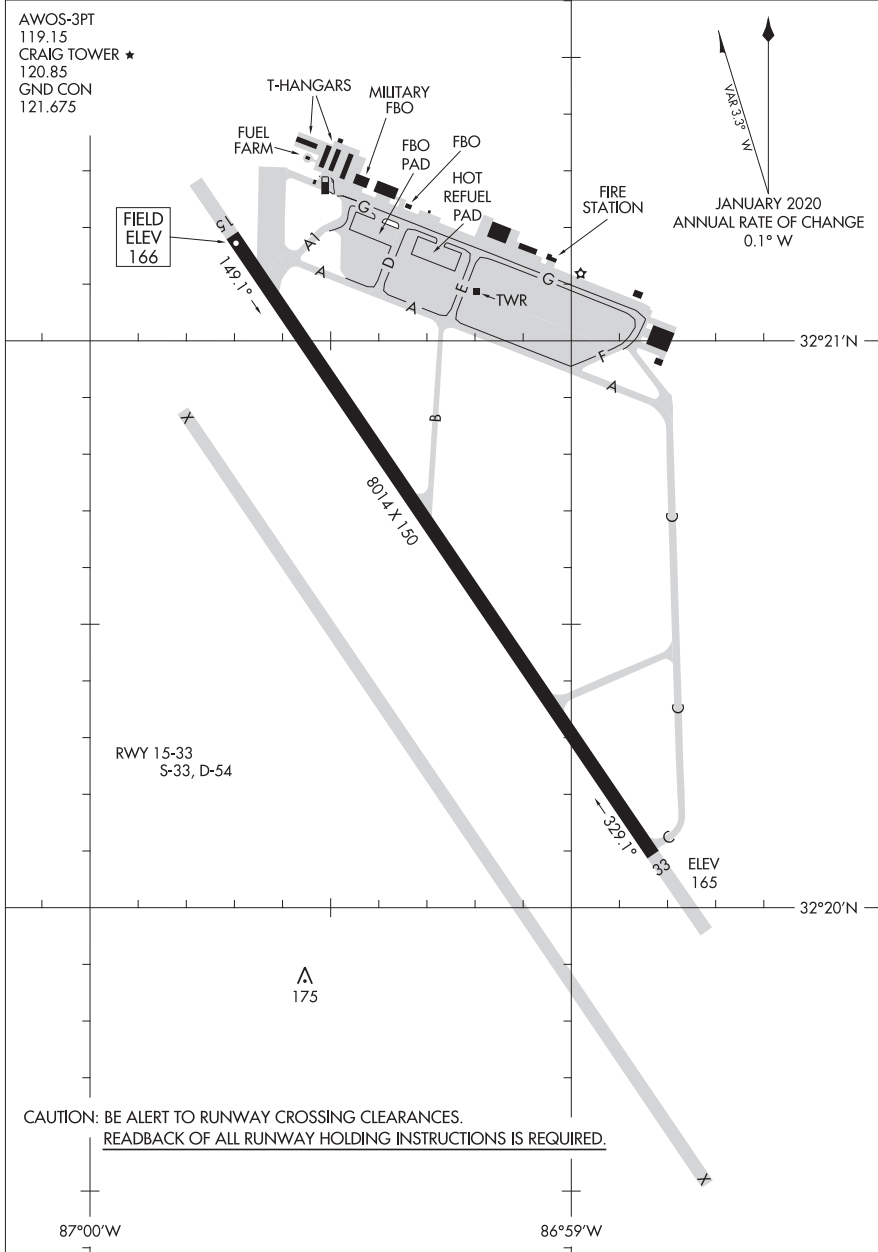
SAVANNAH, GEORGIA  
SAVANNAH/HILTON HEAD INTL (SAV)

23110

AIRPORT DIAGRAM

AL-387 (FAA)

CRAIG FLD (SEM)  
SELMA, ALABAMA



AIRPORT DIAGRAM

23110

SELMA, ALABAMA  
CRAIG FLD (SEM)

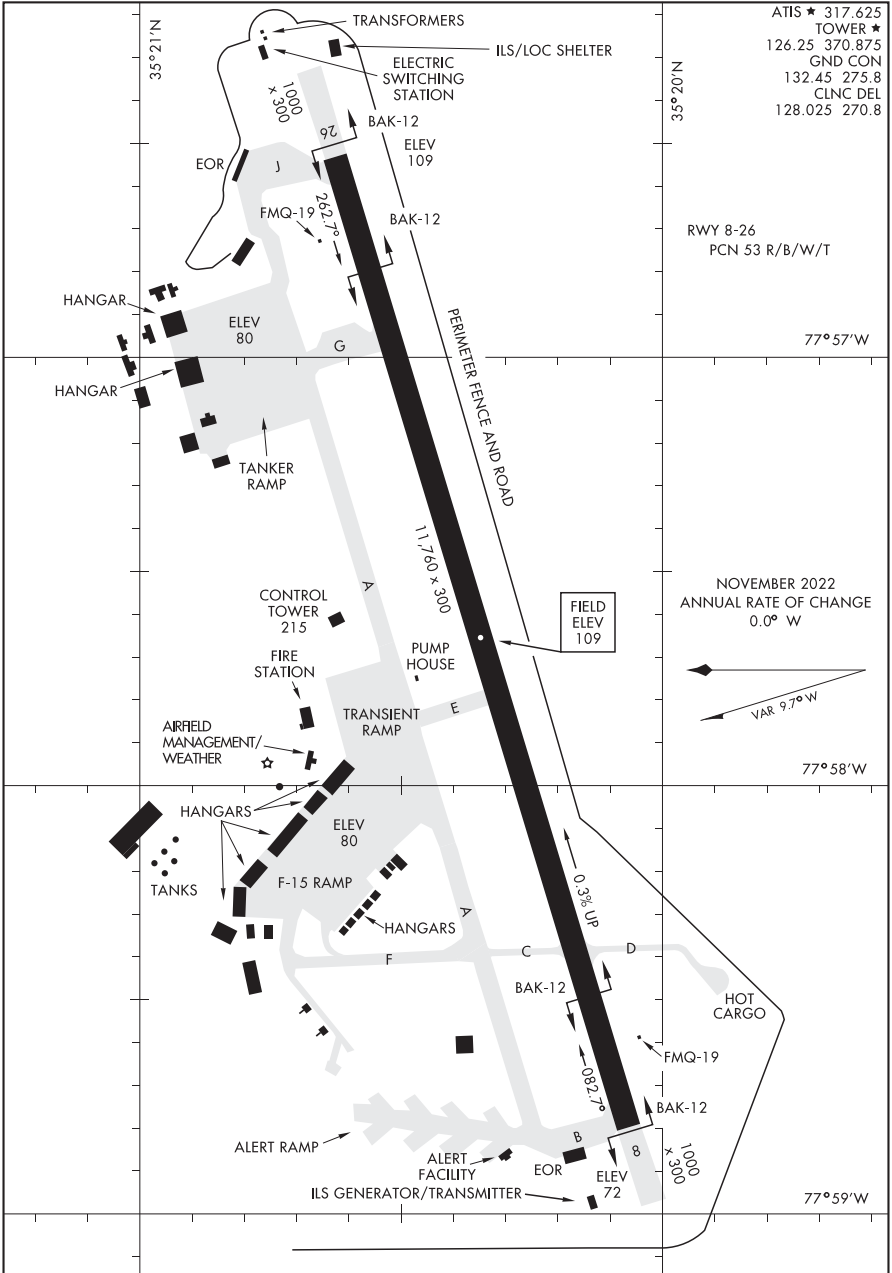
24025

SEYMOUR JOHNSON AFB (KGSB)

AIRPORT DIAGRAM

[USAF]

GOLDSBORO, NORTH CAROLINA



AIRPORT DIAGRAM

GOLDSBORO, NORTH CAROLINA  
SEYMOUR JOHNSON AFB (KGSB)

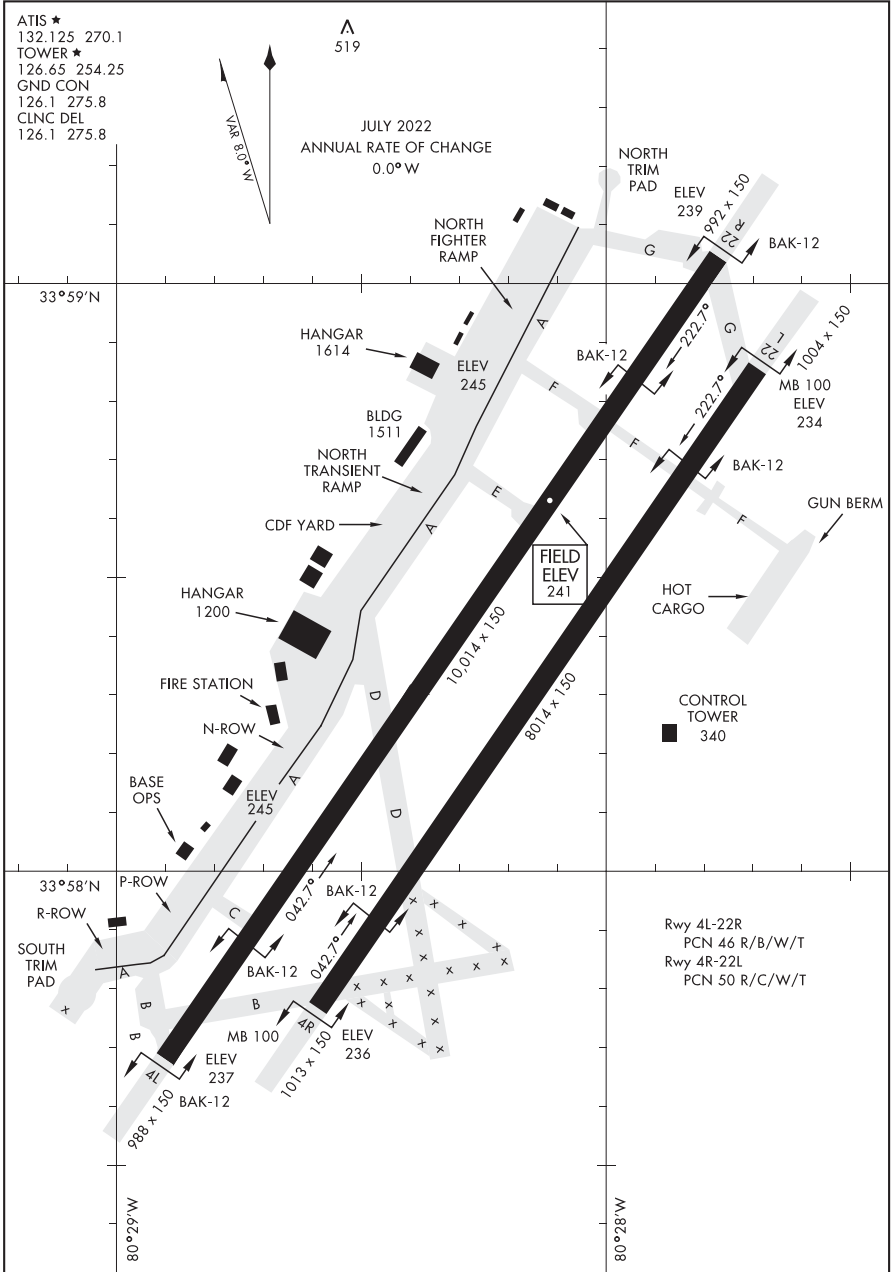
23334

SHAW AFB (KSSC)

AIRPORT DIAGRAM

[USAF]

SUMTER, SOUTH CAROLINA



AIRPORT DIAGRAM

SUMTER, SOUTH CAROLINA

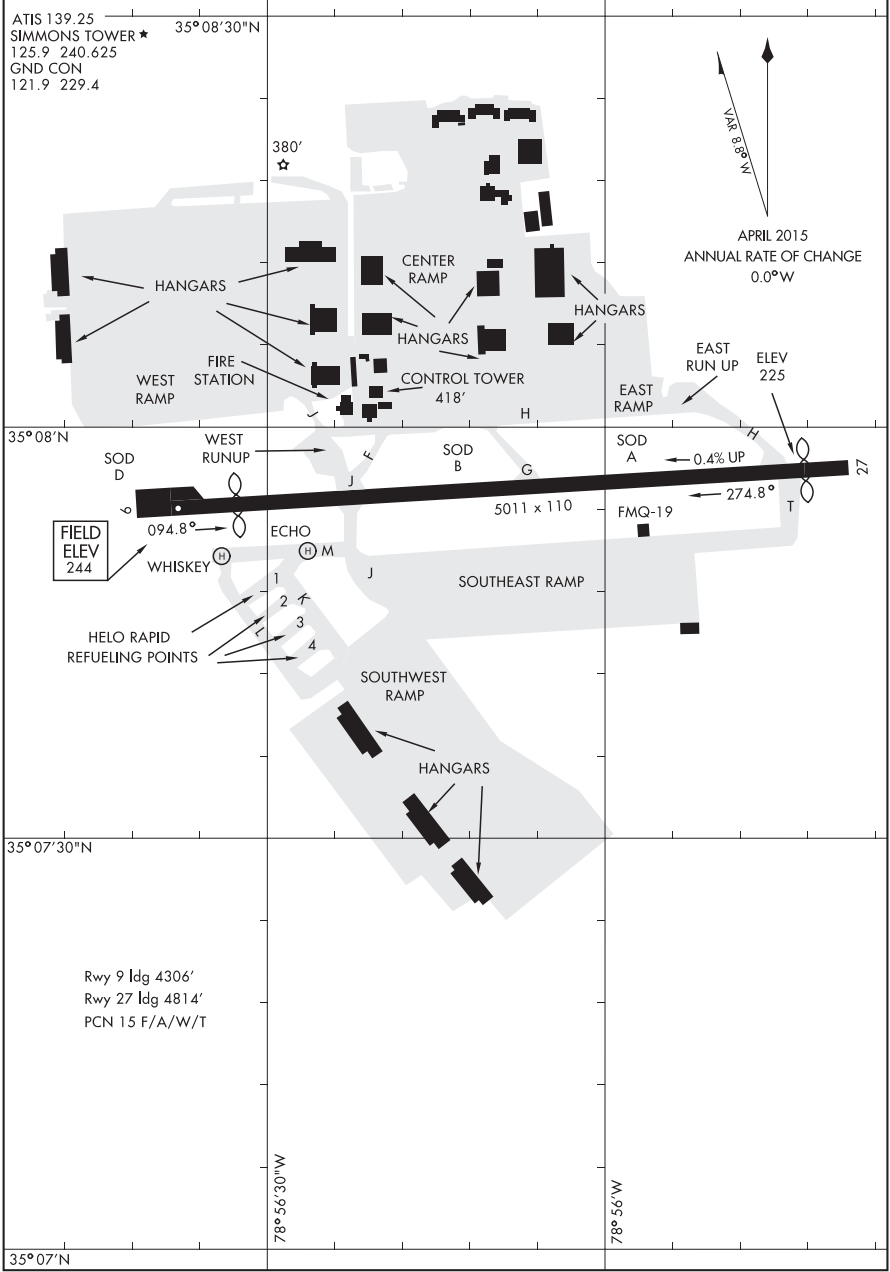
SHAW AFB (KSSC)

23222

AIRPORT DIAGRAM

AL-5069 [USA]

SIMMONS AAF (KFBG)  
FORT LIBERTY, NORTH CAROLINA



AIRPORT DIAGRAM

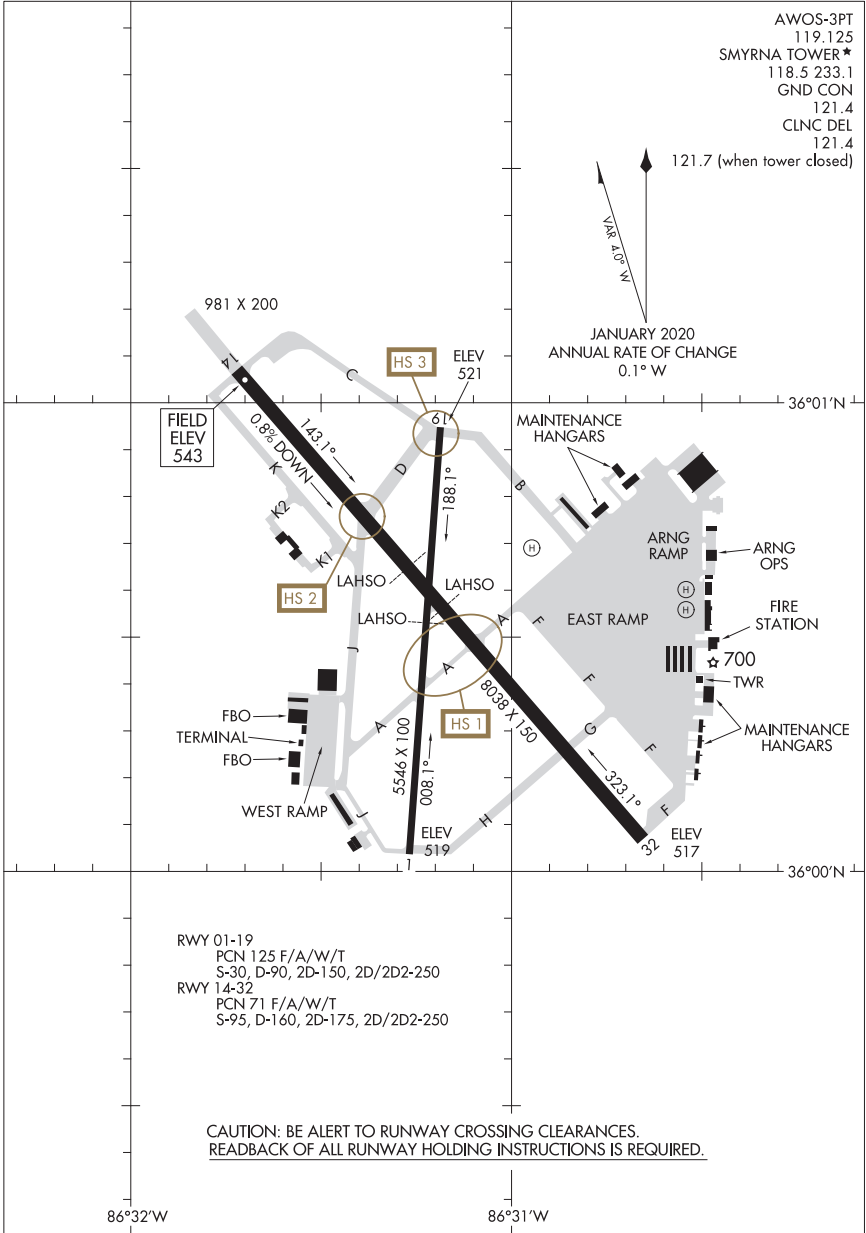
FORT LIBERTY, NORTH CAROLINA  
SIMMONS AAF (KFBG)

23054

AIRPORT DIAGRAM

AL-895 (FAA)

SMYRNA (MQY)  
SMYRNA, TENNESSEE



AIRPORT DIAGRAM  
23054

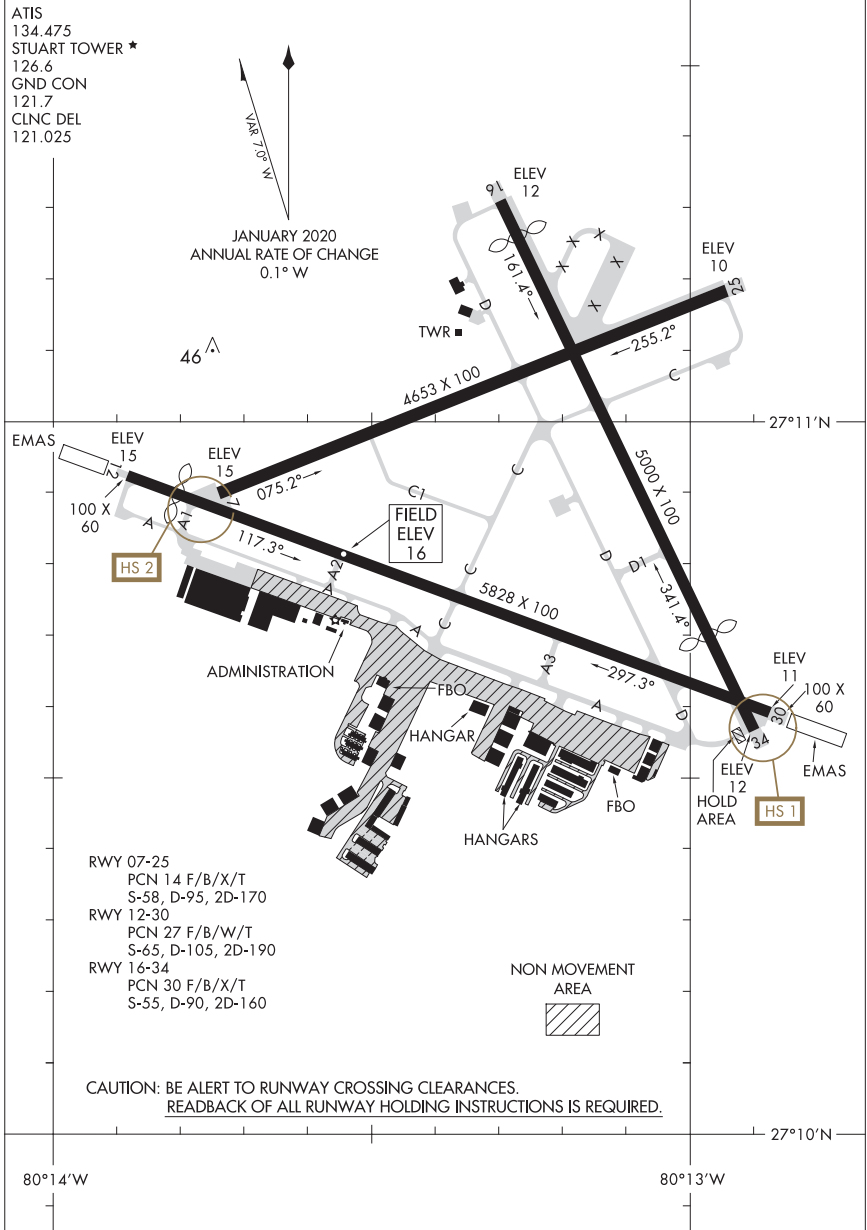
SMYRNA, TENNESSEE  
SMYRNA (MQY)

22363

AIRPORT DIAGRAM

AL-9217 (FAA)

WITHAM FLD (SUA)  
STUART, FLORIDA



AIRPORT DIAGRAM

22363

STUART, FLORIDA  
WITHAM FLD (SUA)



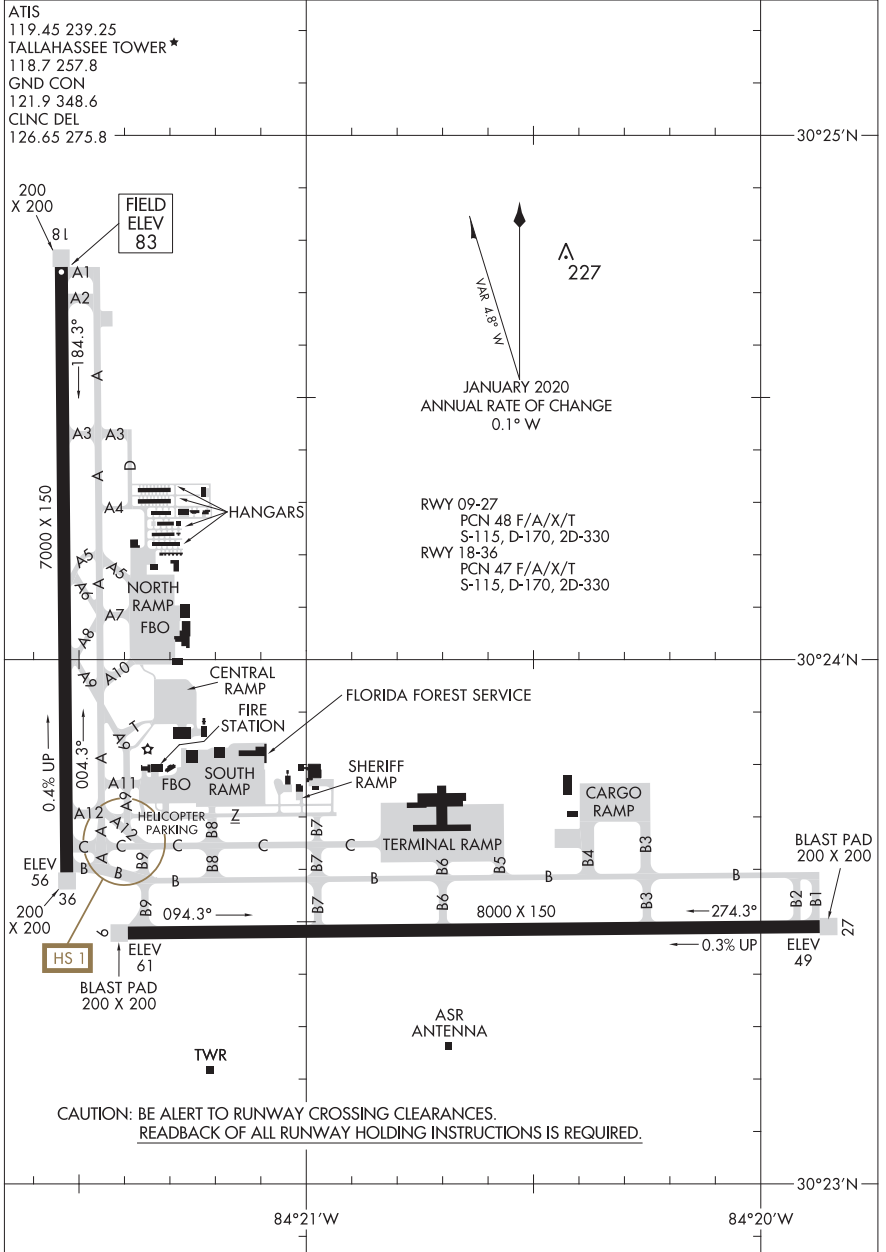
24025

TALLAHASSEE INTL (TLH)

AIRPORT DIAGRAM

AL-5048 (FAA)

TALLAHASSEE, FLORIDA



AIRPORT DIAGRAM

TALLAHASSEE, FLORIDA

24025

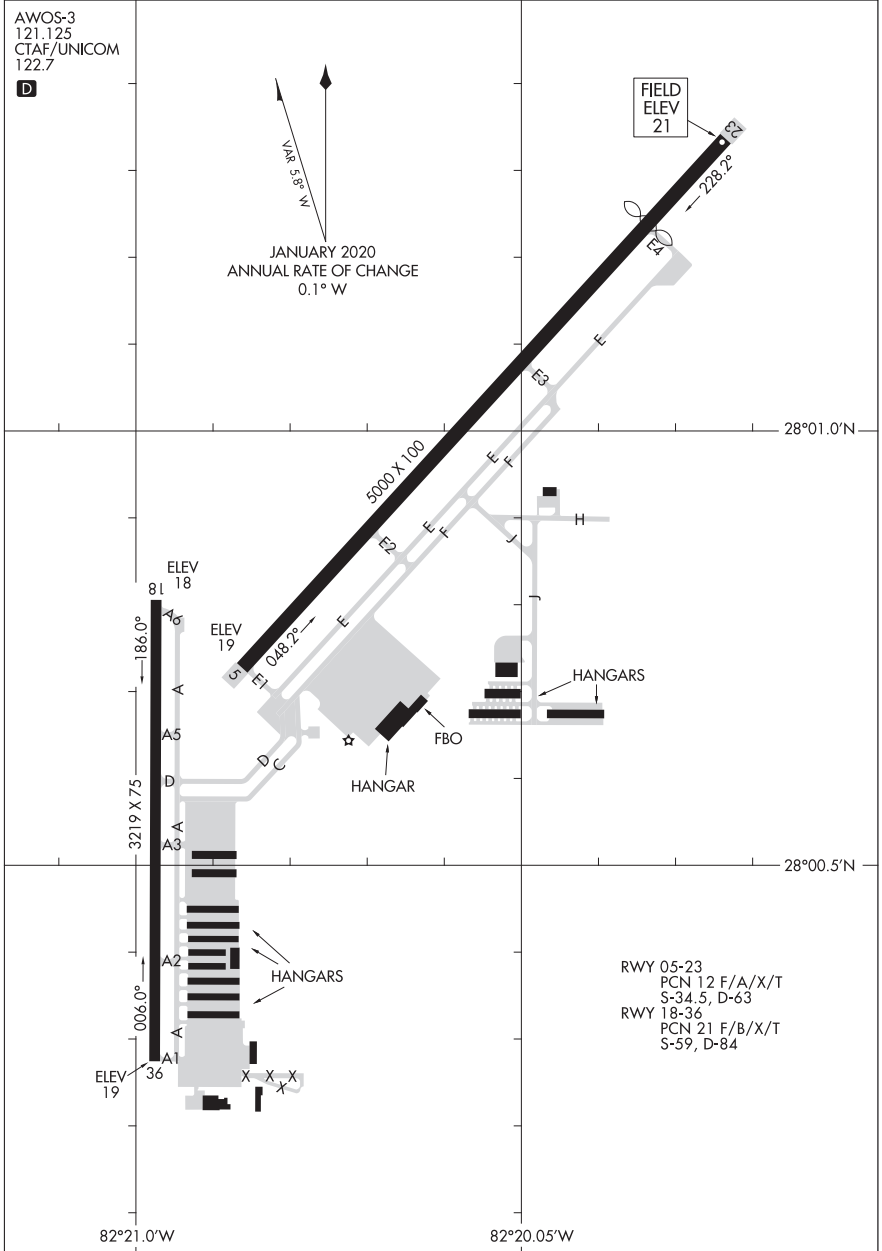
TALLAHASSEE INTL (TLH)

22083

AIRPORT DIAGRAM

AL-9241 (FAA)

TAMPA EXEC (VDF)  
TAMPA, FLORIDA



AIRPORT DIAGRAM

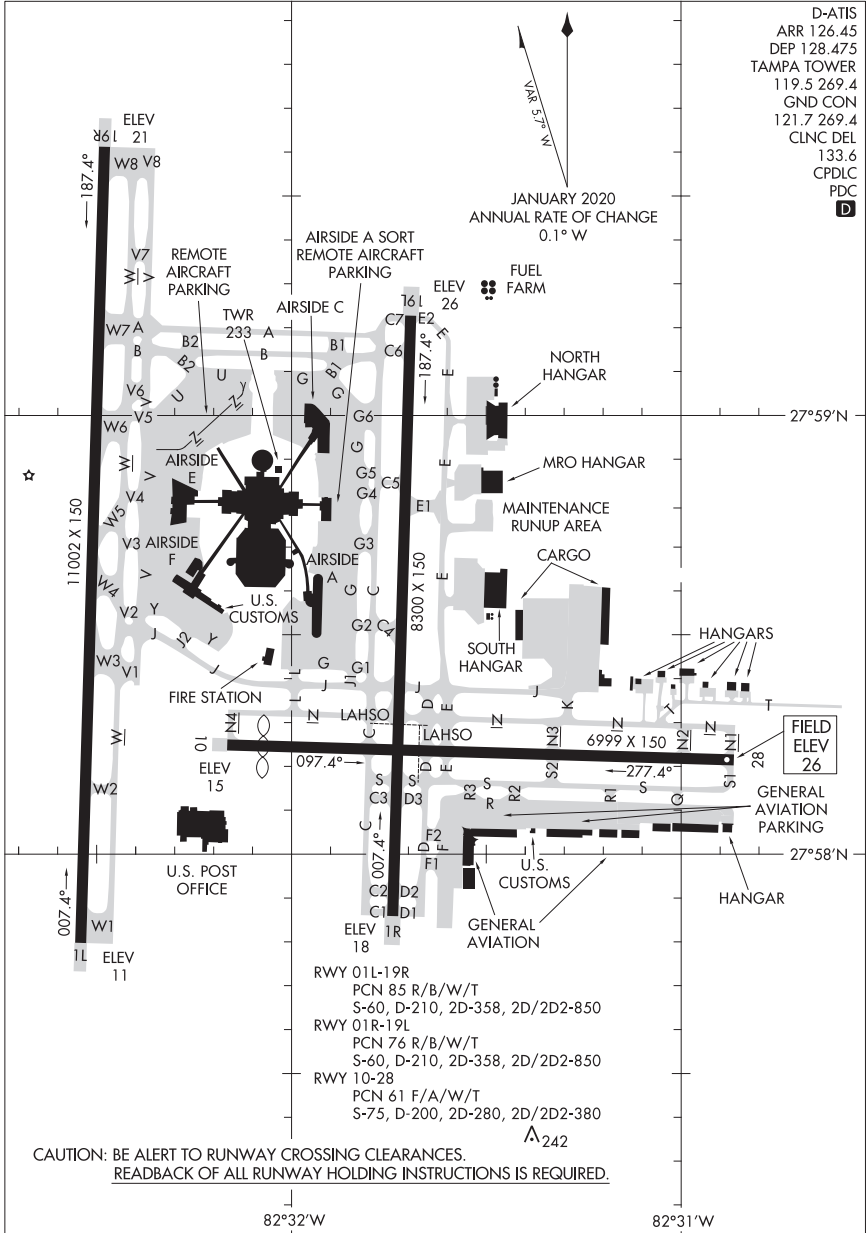
22083

TAMPA, FLORIDA  
TAMPA EXEC (VDF)

23222  
AIRPORT DIAGRAM

AL-416 (FAA)

TAMPA INTL (TPA)  
TAMPA, FLORIDA



AIRPORT DIAGRAM  
23222

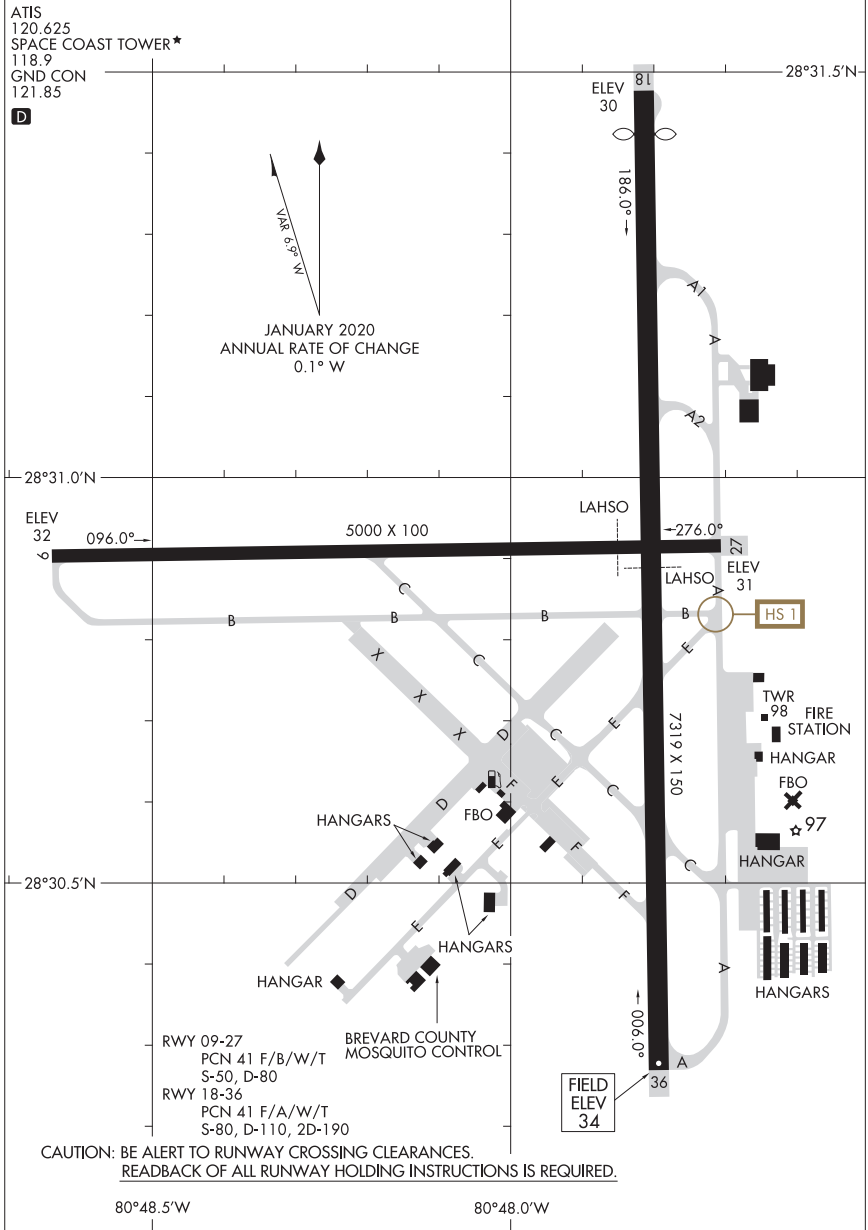
TAMPA, FLORIDA  
TAMPA INTL (TPA)

21168

# AIRPORT DIAGRAM

AL-5760 (FAA)

SPACE COAST RGNL (TIX)  
TITUSVILLE, FLORIDA



# AIRPORT DIAGRAM

21168

TITUSVILLE, FLORIDA  
SPACE COAST RGNL (TIX)

22307

AIRPORT DIAGRAM

AL-487 (FAA)

TUSCALOOSA NTL (TCL)  
TUSCALOOSA, ALABAMA

ASOS  
132.825  
TUSCALOOSA TOWER ★  
126.3 256.7  
GND CON  
121.8 257.95  
CLNC DEL  
120.775

△  
258±

FIELD  
ELEV  
170

VA 3.0° N  
JANUARY 2020  
ANNUAL RATE OF CHANGE  
0.1° W

HS 1

FIRE STATION  
TERMINAL

TWR  
236

ELEV  
165

FBO

ELEV  
164

RWY 04-22  
PCN 50 F/D/X/T  
S-120, D-250, 2D-450, 2D/2D2-972  
RWY 12-30  
PCN 50 F/C/X/T  
S-15

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBCK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

87°37.0'W

87°36.0'W

AIRPORT DIAGRAM

22307

TUSCALOOSA, ALABAMA  
TUSCALOOSA NTL (TCL)

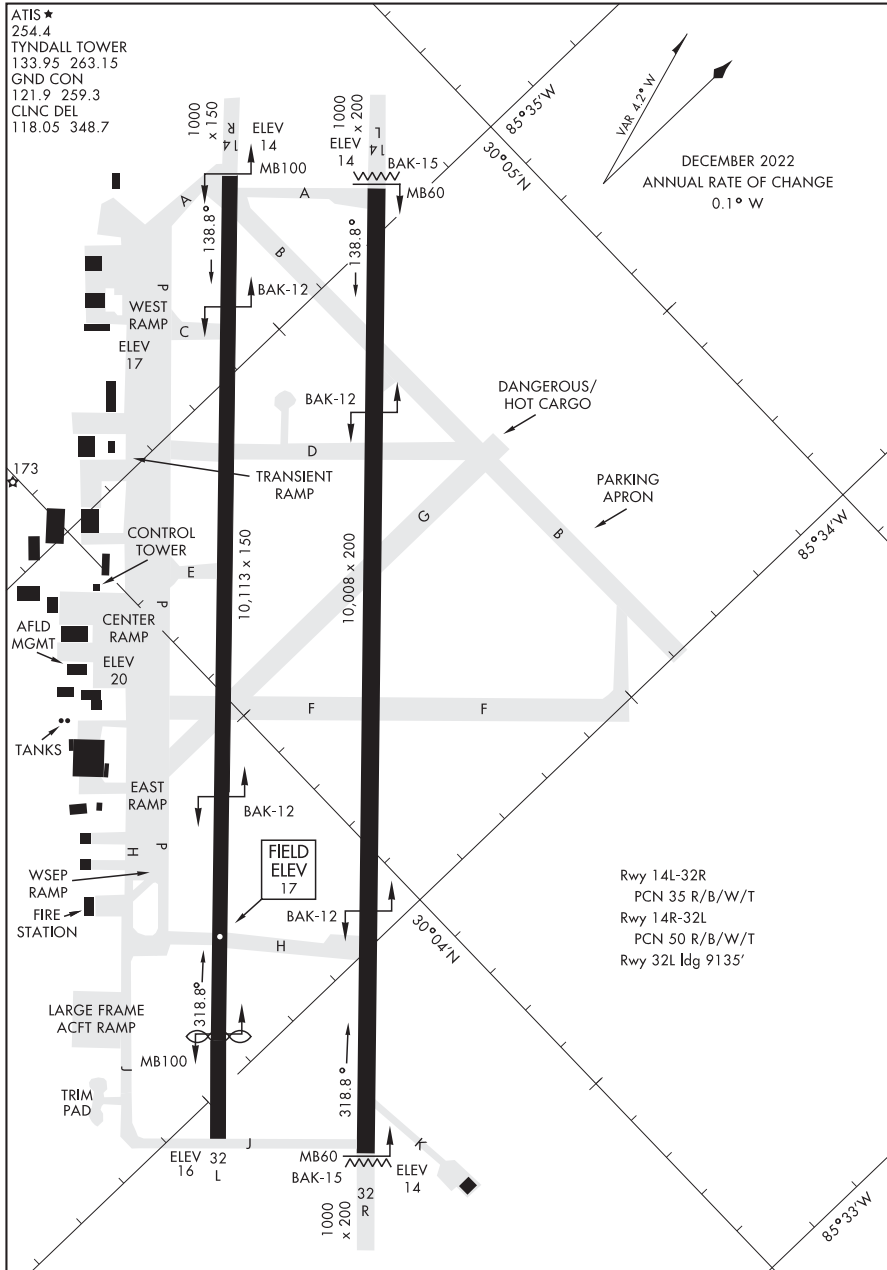
24025

TYNDALL AFB (KPAM)

# AIRPORT DIAGRAM

[USAF]

PANAMA CITY, FLORIDA



# AIRPORT DIAGRAM

PANAMA CITY, FLORIDA

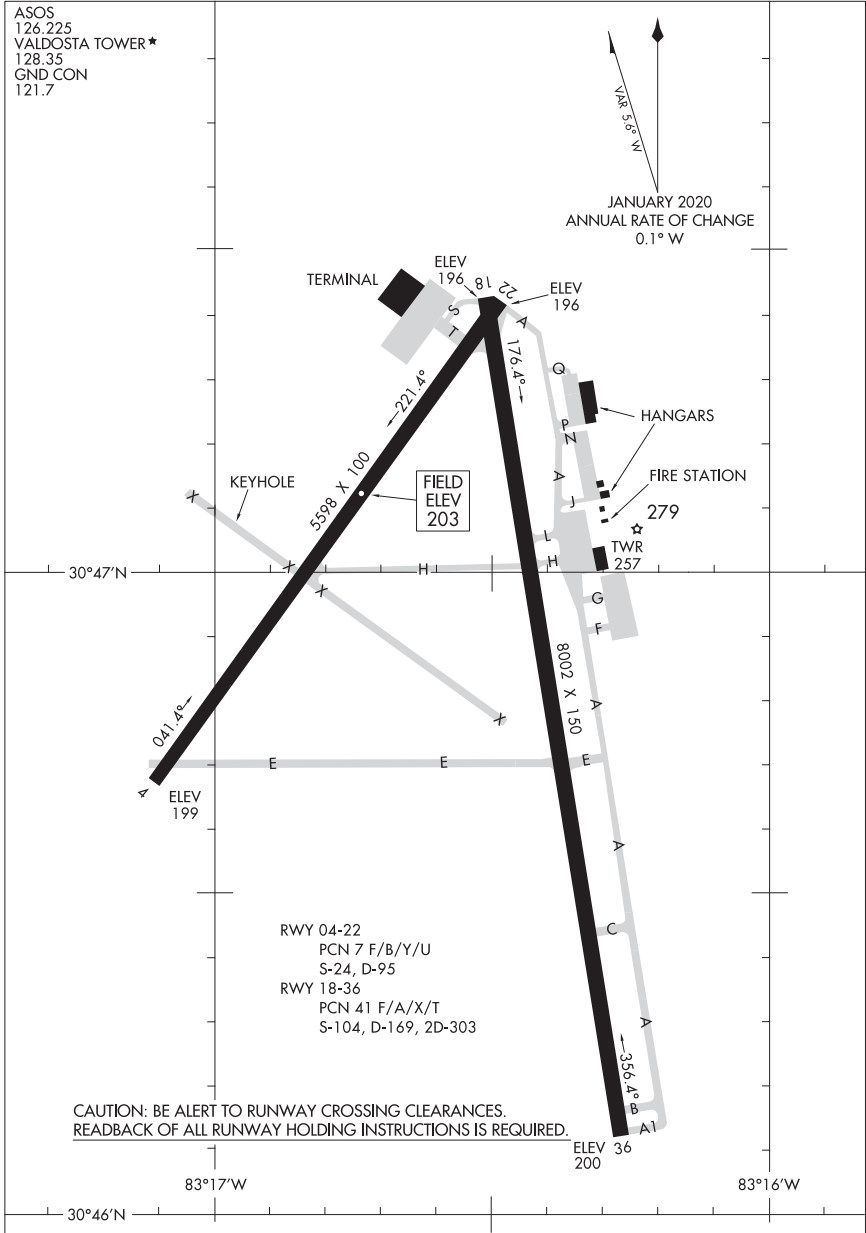
TYNDALL AFB (KPAM)

24025

# AIRPORT DIAGRAM

AL-892 (FAA)

VALDOSTA RGNL (VLD)  
VALDOSTA, GEORGIA



# AIRPORT DIAGRAM

24025

VALDOSTA, GEORGIA  
VALDOSTA RGNL (VLD)

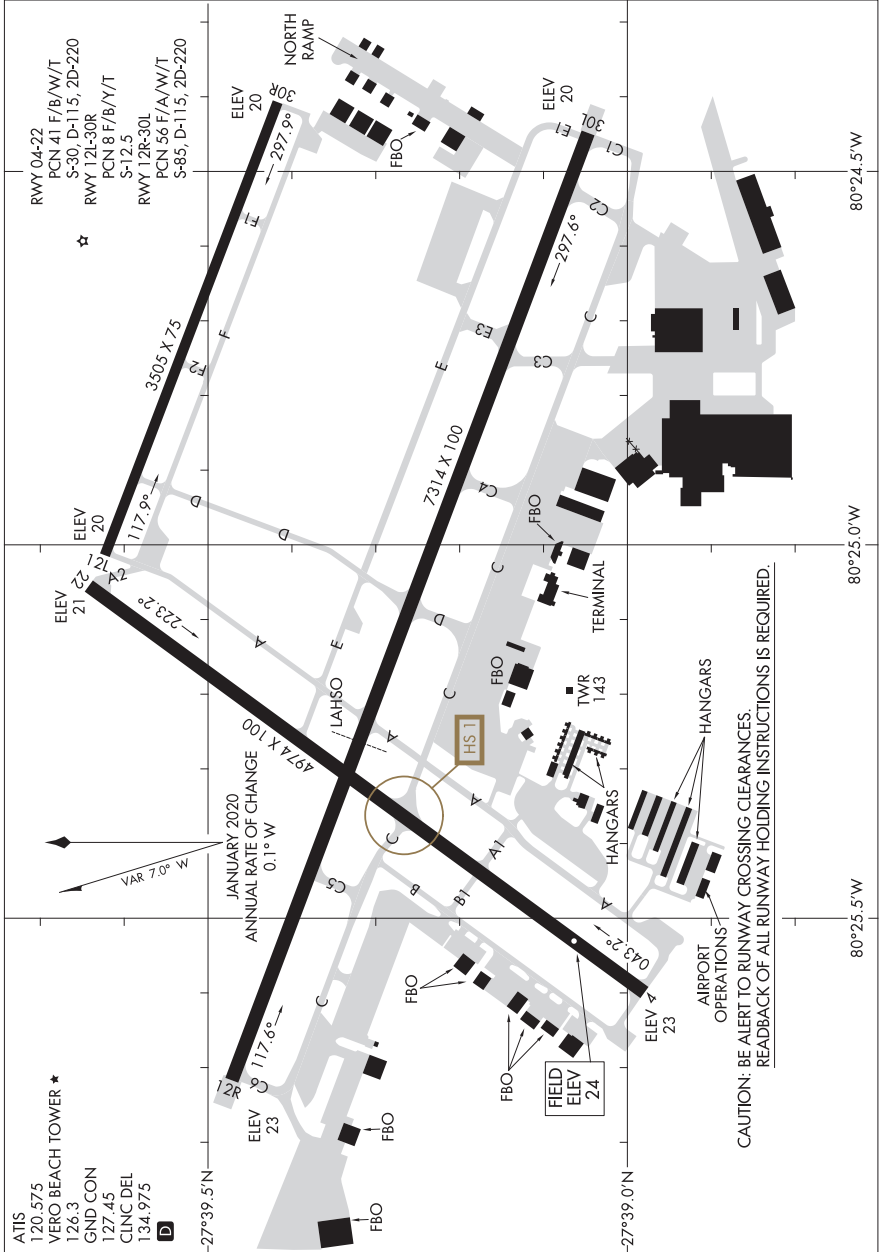
23334

AIRPORT DIAGRAM

AL-437 (FAA)

VERO BEACH RGNL (VRB)

VERO BEACH, FLORIDA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES. READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM

VERO BEACH, FLORIDA

VERO BEACH RGNL (VRB)

23334

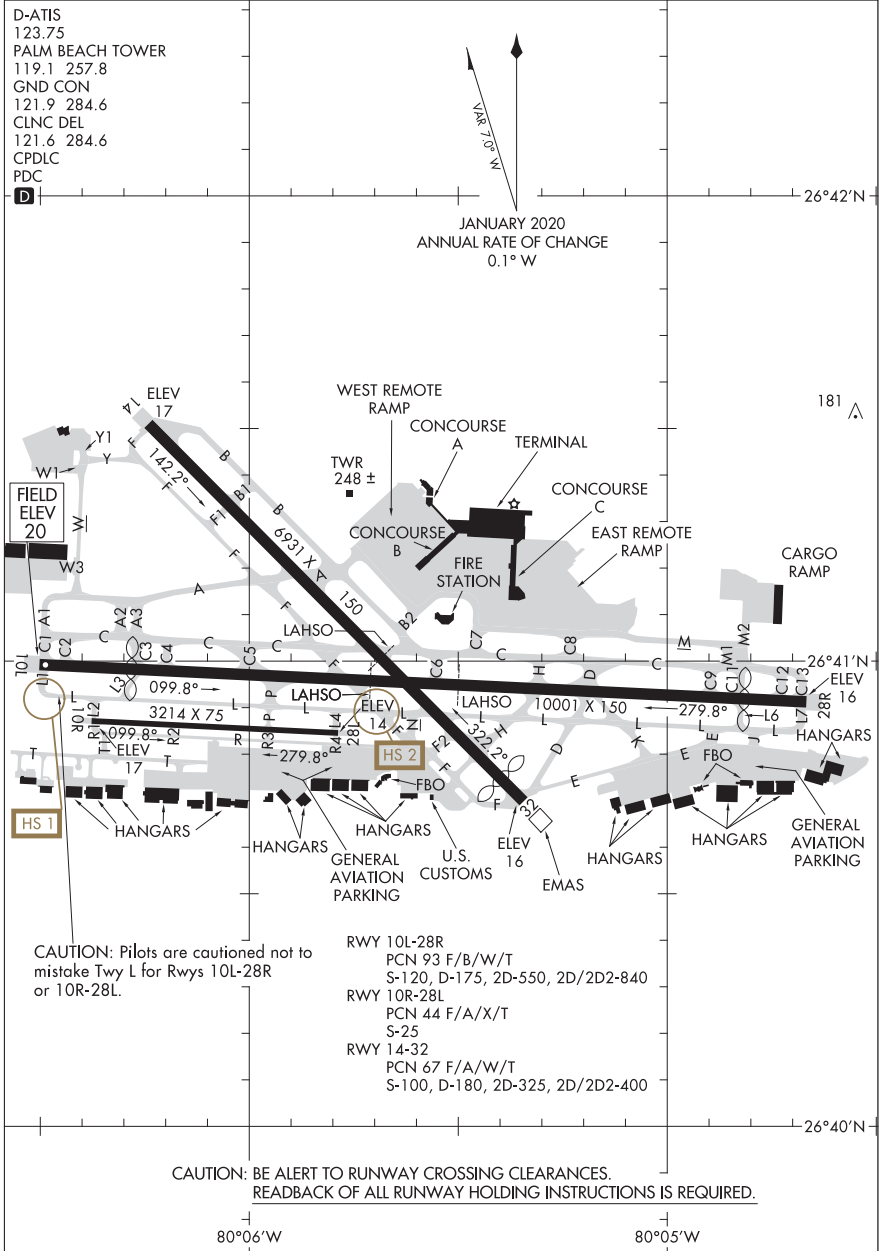


22195

PALM BEACH INTL. (PBI)  
WEST PALM BEACH, FLORIDA

AIRPORT DIAGRAM

AL-449 (FAA)



AIRPORT DIAGRAM

22195

PALM BEACH INTL. (PBI)  
WEST PALM BEACH, FLORIDA

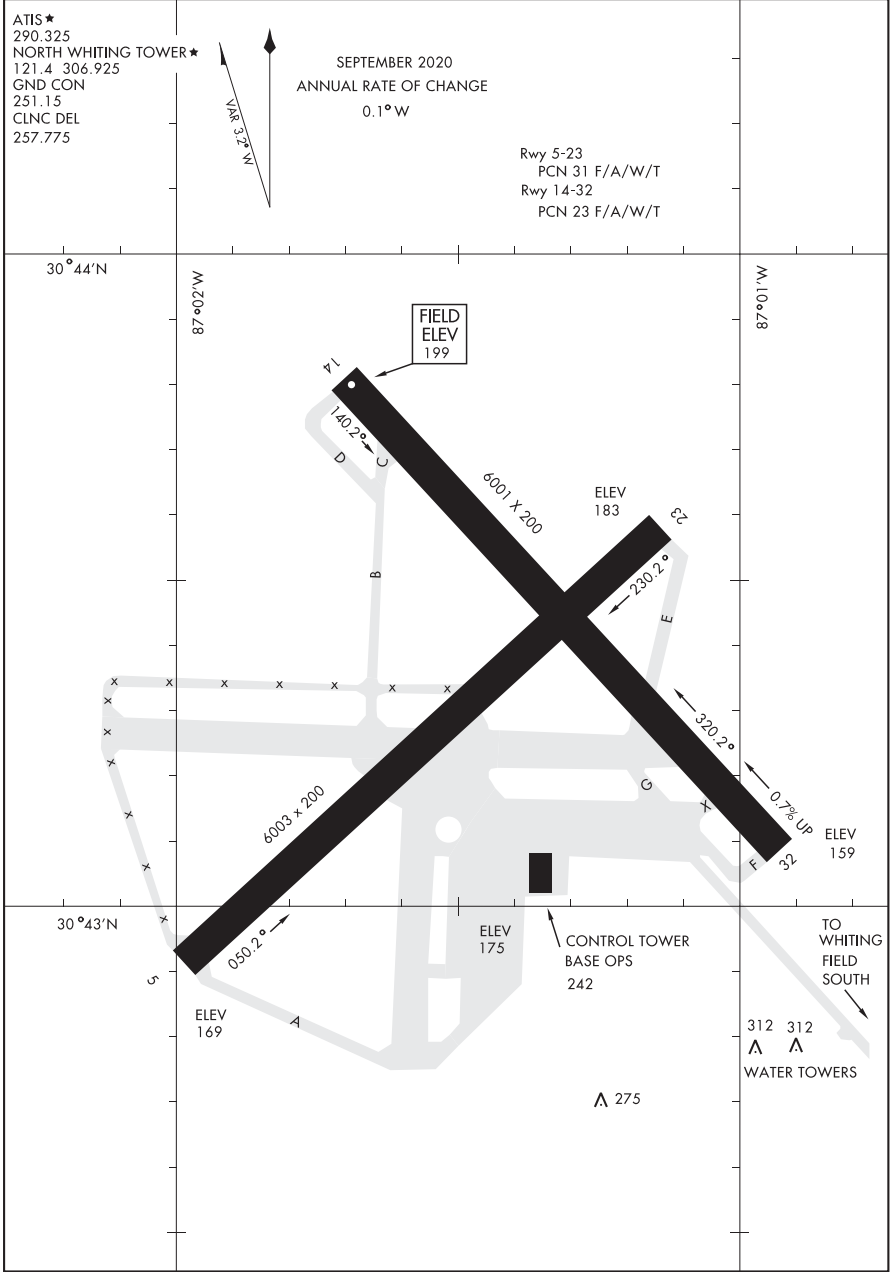
20254

WHITING FLD NAS-NORTH (KNSE)

AIRPORT DIAGRAM

AFD-602 [USN]

MILTON, FLORIDA



AIRPORT DIAGRAM

MILTON, FLORIDA  
WHITING FLD NAS-NORTH (KNSE)

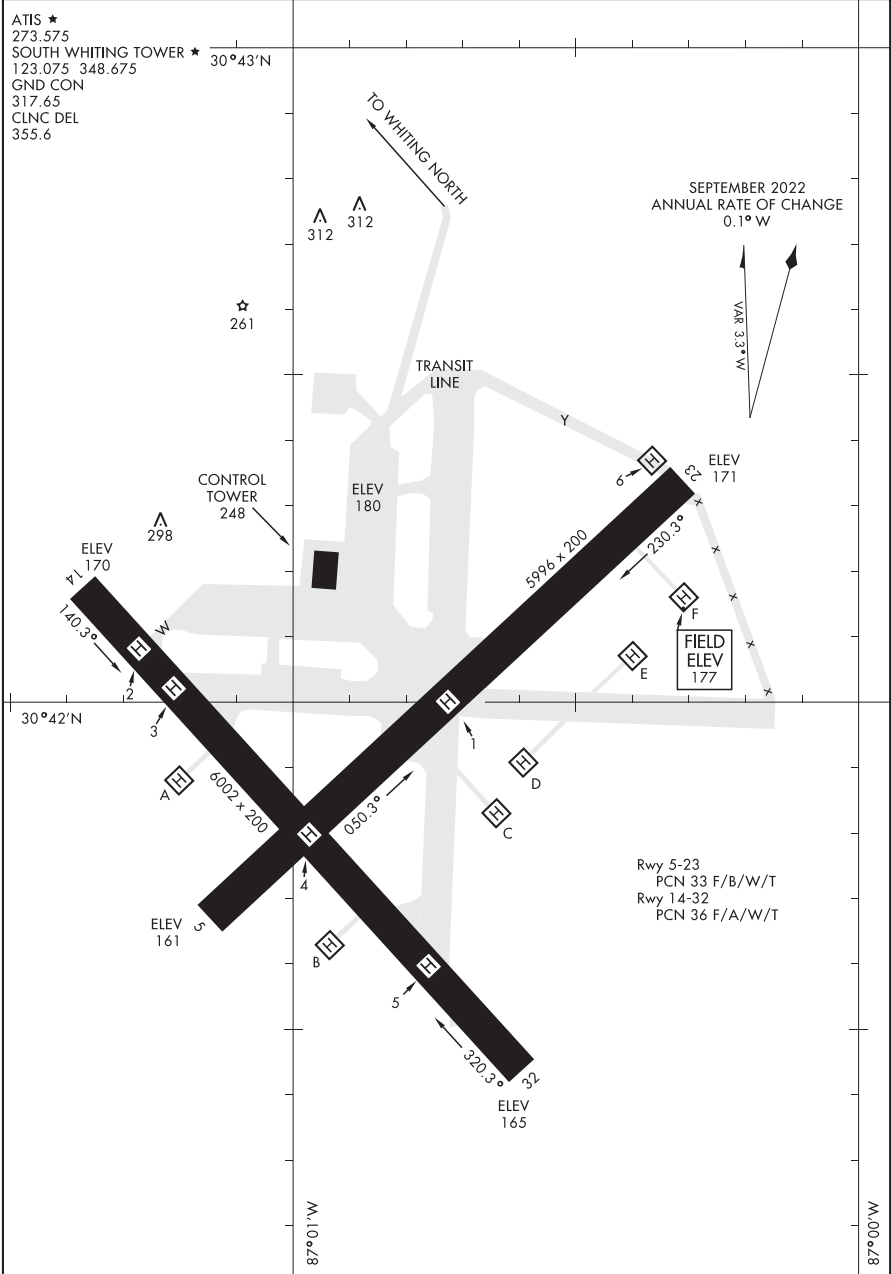
23222

WHITING FLD NAS - SOUTH (KNDZ)

# AIRPORT DIAGRAM

AL-1909 [USN]

MILTON, FLORIDA



# AIRPORT DIAGRAM

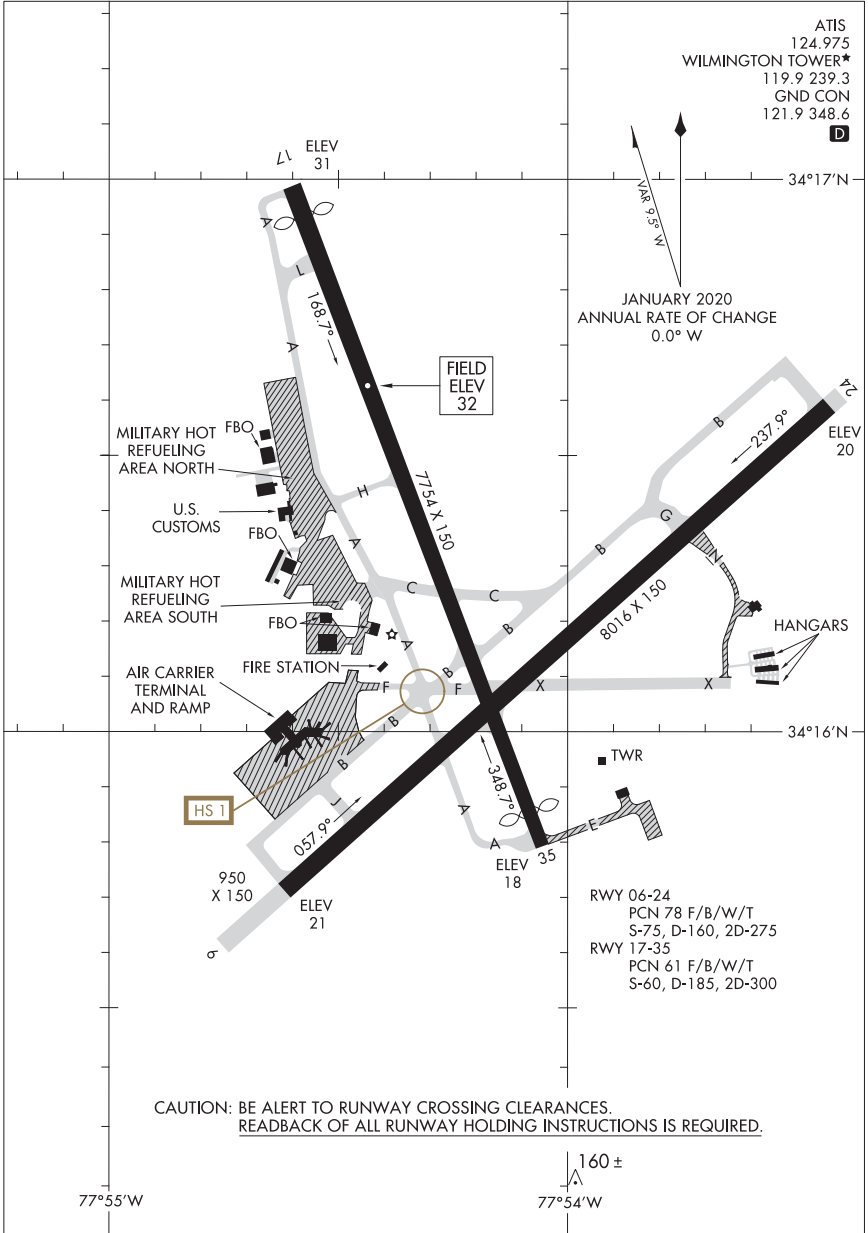
MILTON, FLORIDA  
WHITING FLD NAS - SOUTH (KNDZ)

24025

AIRPORT DIAGRAM

AL-459 (FAA)

WILMINGTON INTL (ILM)  
WILMINGTON, NORTH CAROLINA



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

AIRPORT DIAGRAM  
24025

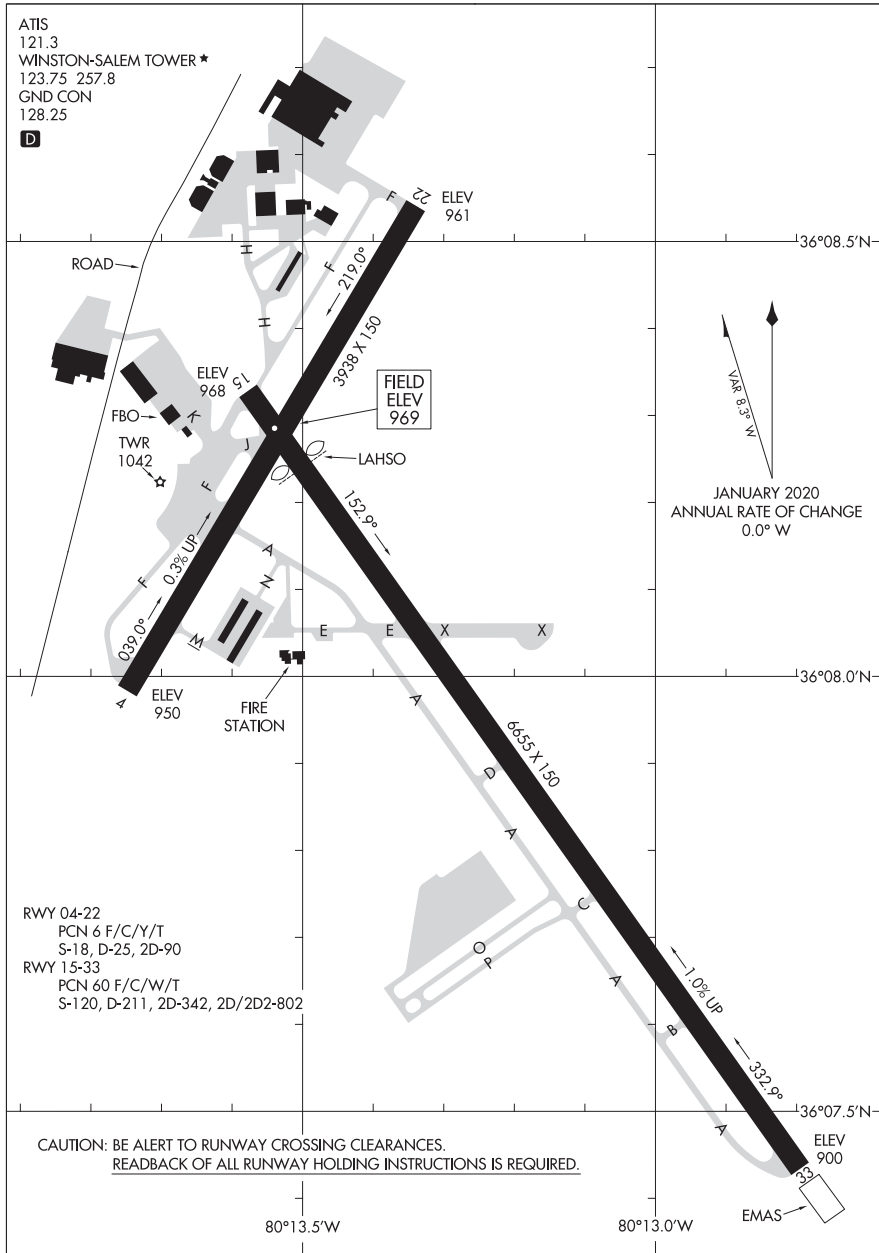
WILMINGTON, NORTH CAROLINA  
WILMINGTON INTL (ILM)

20086

# AIRPORT DIAGRAM

AL-463 (FAA)

SMITH REYNOLDS (INT)  
WINSTON SALEM, NORTH CAROLINA



RWY 04-22  
PCN 6 F/C/Y/T  
S-18, D-25, 2D-90  
RWY 15-33  
PCN 60 F/C/W/T  
S-120, D-211, 2D-342, 2D/2D2-802

CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.  
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

# AIRPORT DIAGRAM

20086

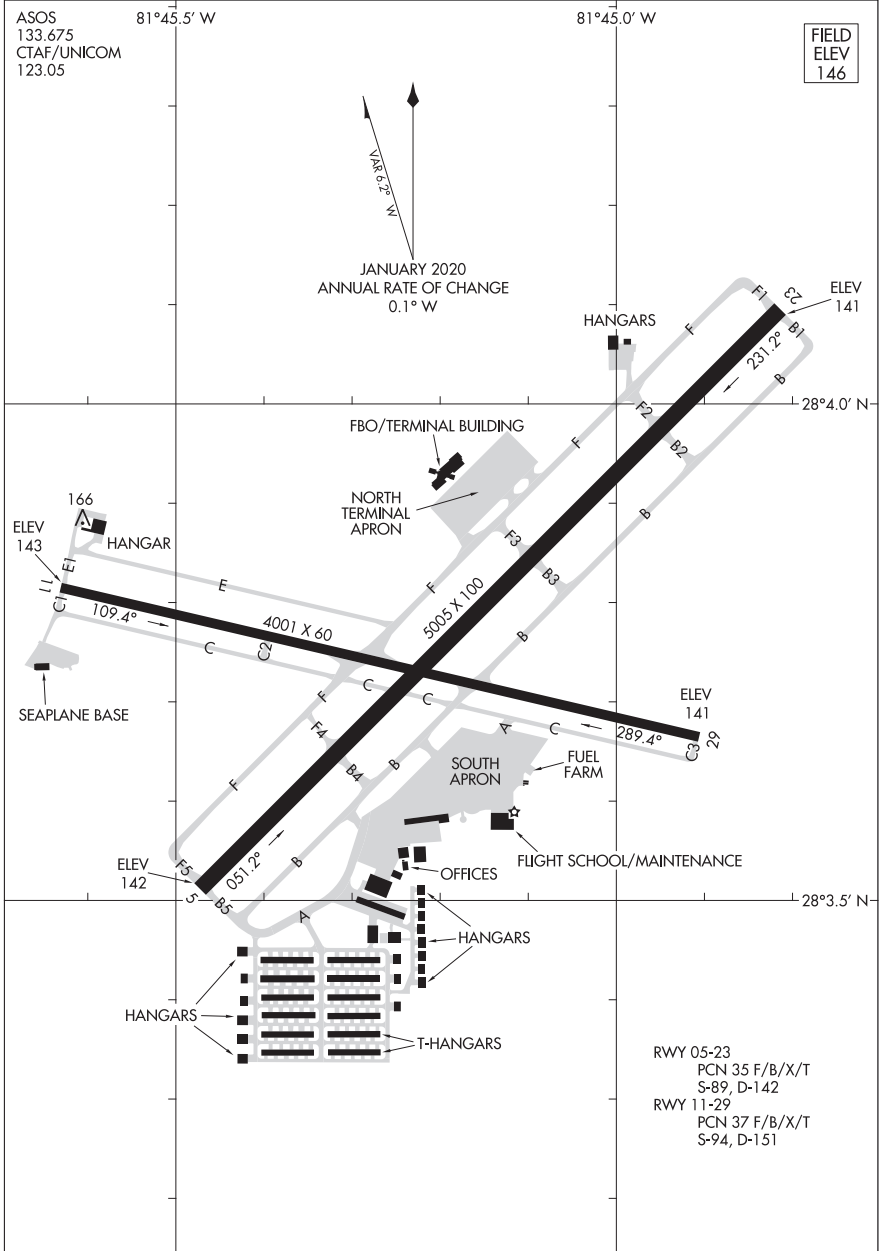
WINSTON SALEM, NORTH CAROLINA  
SMITH REYNOLDS (INT)

22363

AIROPRT DIAGRAM

AL-5953 (FAA)

WINTER HAVEN RGNL (GIF)  
WINTER HAVEN, FLORIDA



AIROPRT DIAGRAM

22363

WINTER HAVEN, FLORIDA  
WINTER HAVEN RGNL (GIF)

### Submitting Pilot Weather Reports (PIREPs)

1. **UA - Routine PIREP / UUA - Urgent PIREP**
2. **/OV - Location:** Use Airport or NAVAID identifiers only.
  - Location can be reported as a single fix, radial DME, or a route segment (Fix- Fix)**Examples: /OV LAX, /OV LAX-SLI120005, /OV PDZ-PSP.**
3. **/TM - Time:** When conditions occurred or were encountered.
  - Use 4 digits in UTC.**Examples: /TM 1645, /TM 0915**
4. **/FL - Altitude/Flight Level**
  - Use 3 digits for hundreds of feet. If not known, use UNKN.**Examples: /FL095, /FL310, /FLUNKN**
5. **/TP - Type aircraft:** Required if reporting Turbulence or Icing
  - No more than 4 characters, use UNKN if the type is not known.**Examples: /TP P28A, /TP RV8, /TP B738, /TP UNKN**
6. **/SK - Sky Condition/Cloud layers:**
  - Report cloud coverage using contractions: FEW, SCT, BKN, OVC, SKC
  - Report bases in hundreds of feet: BKN005, SCT015, OVC200
  - If bases are unknown, use UNKN
  - Report cloud tops in hundreds of feet: TOP120**Examples: /SK BKN035, /SK SCT UNKN-TOP125, /SK OVC095-TOP125/ SKC**
7. **/WX - Weather:** Flight visibility is always reported first. Append FV reported with SM.
  - Report visibility using 2 digits: FV01SM, FV10SM
  - Unrestricted visibility use FV99SM.
  - Use standard weather contractions e.g.: RA, SH, TS, HZ, FG, -, +**Examples: /WX FV01SM +SHRA, /WX FV10 SM -RA BR.**
8. **/TA - Air temperature (Celsius):** Required when reporting icing
  - 2 digits, unless below zero, then prefix digits with M.**Examples: /TA 15, /TA 04 /TA M06**
9. **/WV - Wind:** Direction in 3 digits, speed in 3 or 4 digits, followed by KT.
 **Examples: /WV 270045KT, /WV 080110KT**
10. **/TB - Turbulence:**
  - Report intensity using LGT, MOD, SEV, or EXTRM
  - Report duration using INTMT, OCNL or CONS when reported by pilot.
  - Report type using CAT or CHOP when reported by pilot.
  - Include altitude only if different from /FL.
  - Use ABV or BLO when limits are not defined.
  - Use NEG if turbulence is not encountered.**Examples: /TB OCNL MOD, /TB LGT CHOP, /LGT 060, /TB MOD BLO 090, /TB NEG**
11. **/IC - Icing:**
  - Report intensity using TRACE, LGT, MOD or SEV
  - Report type using RIME, CLR, or MX
  - Include altitude only if different than /FL.
  - Use NEG if icing not encountered.**Examples: /IC LGT-MOD RIME, /IC SEV CLR 028-045, /IC NEG**
12. **/RM - Remarks:** Use to report phenomena that does not fit in any other field.
  - Report the most hazardous element first.
  - Name of geographic location from /OV field fix.**Examples: /RM LLWS +/-15KT SFC-003 DURC RWY22 JFK  
/RM MTN WAVE, /RM DURC, /RM DURD, /RM MULLAN PASS  
/RM BA RWY 02L BA MEDIUM TO POOR 3IN DRY SN OVER COMPACTED**

SN

#### Examples of Completed PIREPS

UA /OV RFD /TM 1315 /FL160 /TP PA44 /SK OVC025-TOP095/OVC150 /TA M12 /TB INTMT LGT CHOP  
 UA /OV DHT360015-AMA /TM 2116 /FL050 /TP PA32 /SK BKN090 /WX FV05SM -RA /TA 04 /TB LGT /IC  
 NEG  
 UUA /OV PDZ010018 /TM 1520 /FL125 /TP C172 /WV 270048KT TB SEV 055-085 /RM CAJON PASS

\*

# PIREP FORM

3 or 4 letter Identifier

1. **UA** \_\_\_\_\_ **UUA** \_\_\_\_\_  
Routine Urgent

2. <b>/OV</b>	Location
3. <b>/TM</b>	Time
4. <b>/FL</b>	Altitude/Flight Level
5. <b>/TP</b>	Aircraft Type
Items 1 through 5 are mandatory for all PIREPs	
6. <b>/SK</b>	Sky Condition
7. <b>/WX</b>	Flight Visibility & Weather
8. <b>/TA</b>	Temperature (Celsius)
9. <b>/WV</b>	Wind
10. <b>/TB</b>	Turbulence
11. <b>/IC</b>	Icing
12. <b>/RM</b>	Remarks

FAA Form 7110-2 (9/19) Supersedes Previous Edition