

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: Textual DP	Estimated Chart Date: 04/17/2025	APWS Task ID: A34F0E766D9F4E7E93F5F50ACA3E768D	APWS Project ID: 1DD2F726DAA4452287689D9593F28714
Procedure: TAKEOFF MINIMUMS AND OBSTACLE DP AMDT 2		Enroute: NO	Specialist: Swinson, Robert		Agreement Number:
Airport ID: KMTH			Airport City: MARATHON		State: FL
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments:</div> <div>ACTIVE AIRNAV DATA USED FOR KMTH AIRPORT AND RUNWAYS.</div> <div>UPDATED TIGAR -2 TO WP, DME - MTH NDB DECOMMISSIONED.</div> <div>THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 7/12/2024:</div> <div>1. CHANGED "RWY 7 TAKEOFF MINIMUMS FROM: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 17000" TO: "STANDARD".</div> <div>2. TEXTURAL DEPARTURE: CHANGED RWY 7 FROM: "CLIMB ON HEADING 071.28 TO 5000 BEFORE PROCEEDING ON COURSE" TO: "CLIMB ON HEADING BETWEEN 300.00 CW 245.00 FROM DEPARTURE END OF RUNWAY".</div> <div>3. TEXTUAL DEPARTURE: ADDED: RWY 25: CLIMB ON HEADING BETWEEN 075.00 CW 245.00 FROM DEPARTURE END OF RUNWAY".</div> <div>4. CONTROLLING OBSTACLES: CHANGED "RWY 7: 14000 FT MSL TETHERED_BALLOON 244205.00N/0813031.00W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE)" TO "OBSTACLES MANDATING ODP ROUTE: RWY 7, 25: 14000 FT MSL TETHERED_BALLOON 244205.00N/0813031.00W".</div> <div>RESPONSE TO FLIGHT CHECK INQUIRY REFERENCE FIPC SPECIAL CONTROL NUMBER: AP-09-087-24.</div> <div>PLOTTED 285 MSL TOWER (2022-ASO-45212-OE) AT 244244.40N/0810551.60W INTO TARGETS, EVALUATION REPORTED STANDARD. OBSTACLE IS OUTSIDE OF PRIMARY ICA AND POSES NO CLIMB GRADIENT OR VISIBILITY PENALTIES. EVALUATION INCLUDED ALL CURRENT AND PROPOSED (OE) OBSTACLES WITH 3 NM OF FLIGHT CHECK LAT/LONG. HIGHEST OBSTACLE (PROPOSED: 285 MSL TOWER (2022-ASO-45212-OE) AT 244244.40N/0810551.60W), DID NOT REQUIRE A CHANGE FROM THE STANDARD CG.</div> <div>1/28/2025: THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 7/12/2024:</div> <div>1. CHANGED "RWY 25 TAKEOFF MINIMUMS FROM: STANDARD TO 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 255 FT/NM TO 500".</div> <div>2. CONTROLLING OBSTACLES: ADDED "RWY 25: 324 FT MSL TOWER 244239.12N/0810528.30W (CLIMB GRADIENT) (CLIMB GRADIENT TERMINATION ALTITUDE) (VISIBILITY)".</div> <div>3. REMARKS: CHANGED FROM :RESPONSE TO FLIGHT CHECK INQUIRY REFERENCE FIPC SPECIAL CONTROL NUMBER: AP-09-087-24. PLOTTED 285 MSL TOWER (2022-ASO-45212-OE) AT 244244.40N/0810551.60W INTO TARGETS, EVALUATION REPORTED STANDARD. OBSTACLE IS OUTSIDE OF PRIMARY ICA AND POSES NO CLIMB GRADIENT OR VISIBILITY PENALTIES. EVALUATION INCLUDED ALL CURRENT AND PROPOSED (OE) OBSTACLES WITH 3 NM OF FLIGHT CHECK LAT/LONG. HIGHEST OBSTACLE (PROPOSED: 285 MSL TOWER (2022-ASO-45212-OE) AT 244244.40N/0810551.60W, DID NOT REQUIRE A CHANGE FROM THE STANDARD CG" TO "REFERENCE FIPC SPECIAL CONTROL NUMBER: AP-09-087-24. PLOTTED 324 MSL TOWER (50 FT AC ADDED TO SURVEYED 274 TOWER) AT 244239.12N/0810528.30W INTO TARGETS, EVALUATIONREPORTED 400-2 1/4 OR STANDARD WITH CLIMB TO 255 FT/NM TO 500 FEET. OBSTACLE IS INSIDE OF PRIMARY ICA".</div> <div>CONTACT CASMIR TABAKA 1-405-954-7931.</div>					



# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24165

## LIVE OAK, FL (CON'T)

### SUWANNEE COUNTY (24J) (CON'T)

**Rwy 25**, REILs beginning 20' from DER, left and right of centerline, 103' MSL.  
Trees and pole beginning 104' from DER, 230' left of centerline, up to 84' AGL/193' MSL.  
Tree 452' from DER, 489' right of centerline, 39' AGL/141' MSL.  
Trees beginning 1070' from DER, 445' right of centerline, up to 60' AGL/165' MSL.  
Trees beginning 1079' from DER, 416' left of centerline, up to 74' AGL/187' MSL.  
Trees beginning 1507' from DER, left and right of centerline, up to 83' AGL/195' MSL.

## MARATHON, FL

OLD

### THE FLORIDA KEYS MARATHON INTL AIRPORT (MTH)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1C 31MAR16 (16091) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 7**, climbing right turn direct MTH NDB then via 307° bearing from MTH NDB to TIGAR INT before proceeding on course.

**Rwy 25**, climb direct MTH NDB then via 307° bearing from MTH NDB to TIGAR INT before proceeding on course.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 7**, trees beginning 337' from DER, 324' right of centerline, up to 74' AGL/81' MSL.  
Bush 166' from DER, 323' right of centerline, 9' AGL/16' MSL.  
Pole 726' from DER, 589' right of centerline, 39' AGL/46' MSL.  
Rod on obstruction light 1404' from DER, 655' right of centerline, 55' AGL/62' MSL.  
Transmission pole 2360' from DER, 1029' right of centerline, 89' AGL/96' MSL.  
Rod on obstruction light antenna 3366' from DER, 1010' right of centerline, 136' AGL/143' MSL.  
Antenna 3270' from DER, 1253' right of centerline, 121' AGL/128' MSL.  
Tower 3427' from DER, 1033' right of centerline, 115' AGL/121' MSL.  
Trees beginning 242' from DER, 99' left of centerline, up to 75' AGL/82' MSL.  
Antennas 1660' from DER, 371' left of centerline, up to 86' AGL/93' MSL.  
Pole 876' from DER, 468' left of centerline, 39' AGL/46' MSL.  
Concrete pole 1391' from DER, 534' left of centerline, 51' AGL/58' MSL.  
Pole 1441' from DER, 586' right of centerline, 55' AGL/62' MSL.  
**Rwy 25**, trees beginning 122' from DER, 224' right of centerline, up to 65' AGL/72' MSL.  
Poles beginning 702' from DER, 470' right of centerline, up to 37' AGL/44' MSL.  
Antenna 1752' from DER, 135' right of centerline, 49' AGL/56' MSL.  
Trees beginning 223' from DER, 324' left of centerline, up to 66' AGL/73' MSL.  
Rod on obstruction light antenna beginning 2353' from DER, 22' right of centerline, up to 138' AGL/145' MSL.  
Antenna 2953' from DER, 745' left of centerline, 75' AGL/82' MSL.  
Transmission pole 1545' from DER, 693' left of centerline, 60' AGL/67' MSL.  
Monopole 3997' from DER, 660' left of centerline, 136' AGL/140 MSL.

## MARCO ISLAND, FL

### MARCO ISLAND EXEC (MKY)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 03JAN19 (21168) (FAA)

##### DEPARTURE PROCEDURE:

**Rwy 35**, climb heading 005° to 700 before turning west.

##### TAKEOFF OBSTACLE NOTES:

**Rwy 17**, tree 16' from DER, 478' right of centerline, 12' MSL.  
Trees beginning 20' from DER, 265' left of centerline, up to 13' MSL.  
Pole and tree beginning 77' from DER, 309' right of centerline, up to 25' AGL/25' MSL.  
Trees beginning 186' from DER, 431' left of centerline, up to 28' MSL.  
Trees beginning 473' from DER, 5' left of centerline, up to 32' MSL.  
Tree 689' from DER, 582' right of centerline, 26' MSL.  
Trees beginning 826' from DER, on centerline, up to 30' MSL.  
Trees beginning 951' from DER, 265' left of centerline, up to 35' MSL.  
Trees beginning 972' from DER, 270' right of centerline, up to 36' MSL.  
Tree 1106' from DER, 702' right of centerline, 38' MSL.  
Tree 1113' from DER, 321' left of centerline, 36' MSL.  
Trees beginning 1154' from DER, 249' left of centerline, up to 39' MSL.  
Trees beginning 1246' from DER, 499' left of centerline, up to 47' MSL.  
Tree 1303' from DER, 394' right of centerline, 39' MSL.  
Tree 1354' from DER, 658' right of centerline, 43' MSL.  
Trees beginning 1396' from DER, 98' right of centerline, up to 48' MSL.  
Trees beginning 1476' from DER, 239' right of centerline, up to 50' MSL.  
**Rwy 35**, tower, sign and tree beginning 10' from DER, 31' left of centerline, up to 56' AGL/57' MSL.  
Trees beginning 178' from DER, 51' right of centerline, up to 43' MSL.  
Tree 1568' from DER, 795' right of centerline, 45' MSL.  
Tree 1895' from DER, 337' right of centerline, 58' MSL.

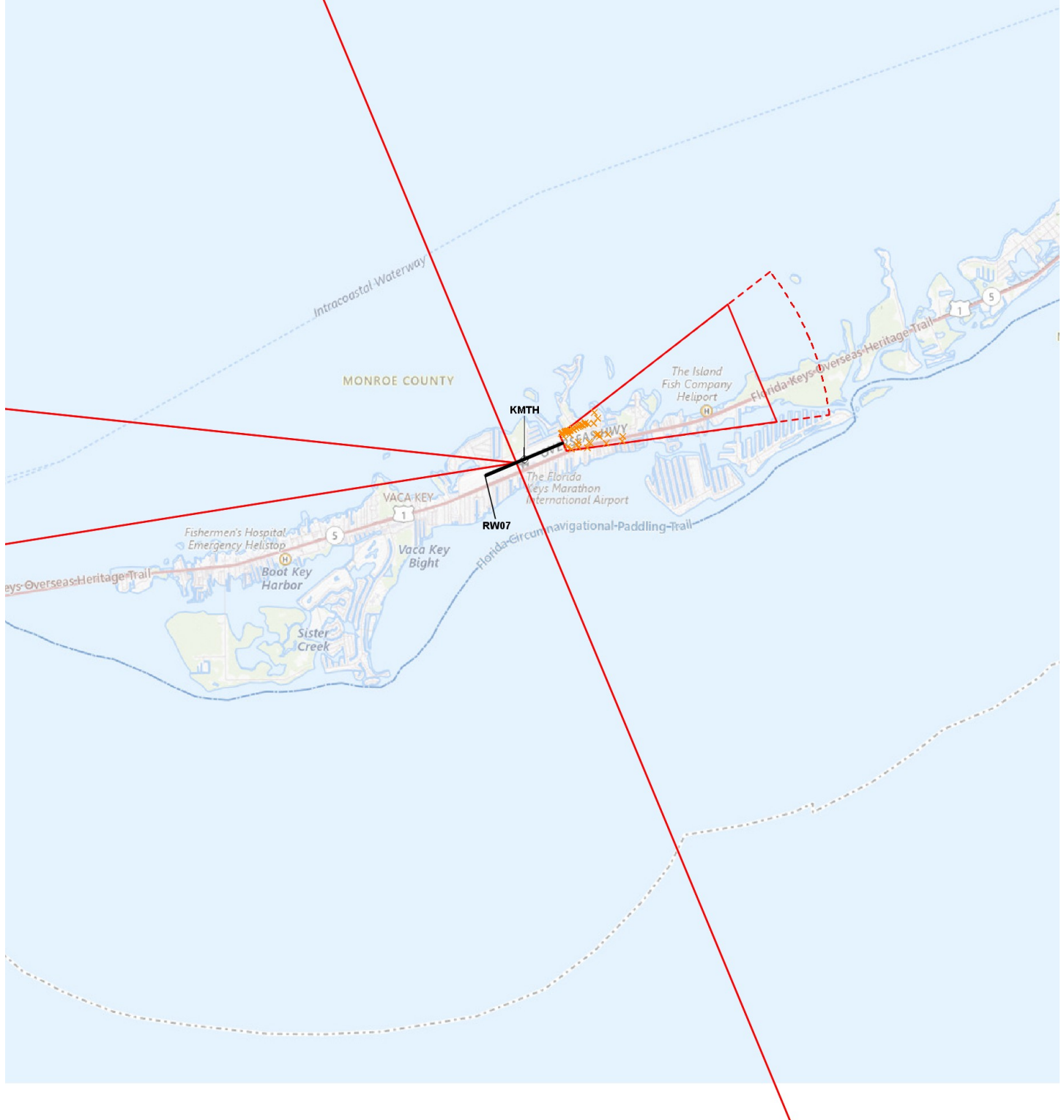
# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24165

NM  
FT 10000 2 20000 4 30000 6 40000 8 50000 60000

FLORIDA

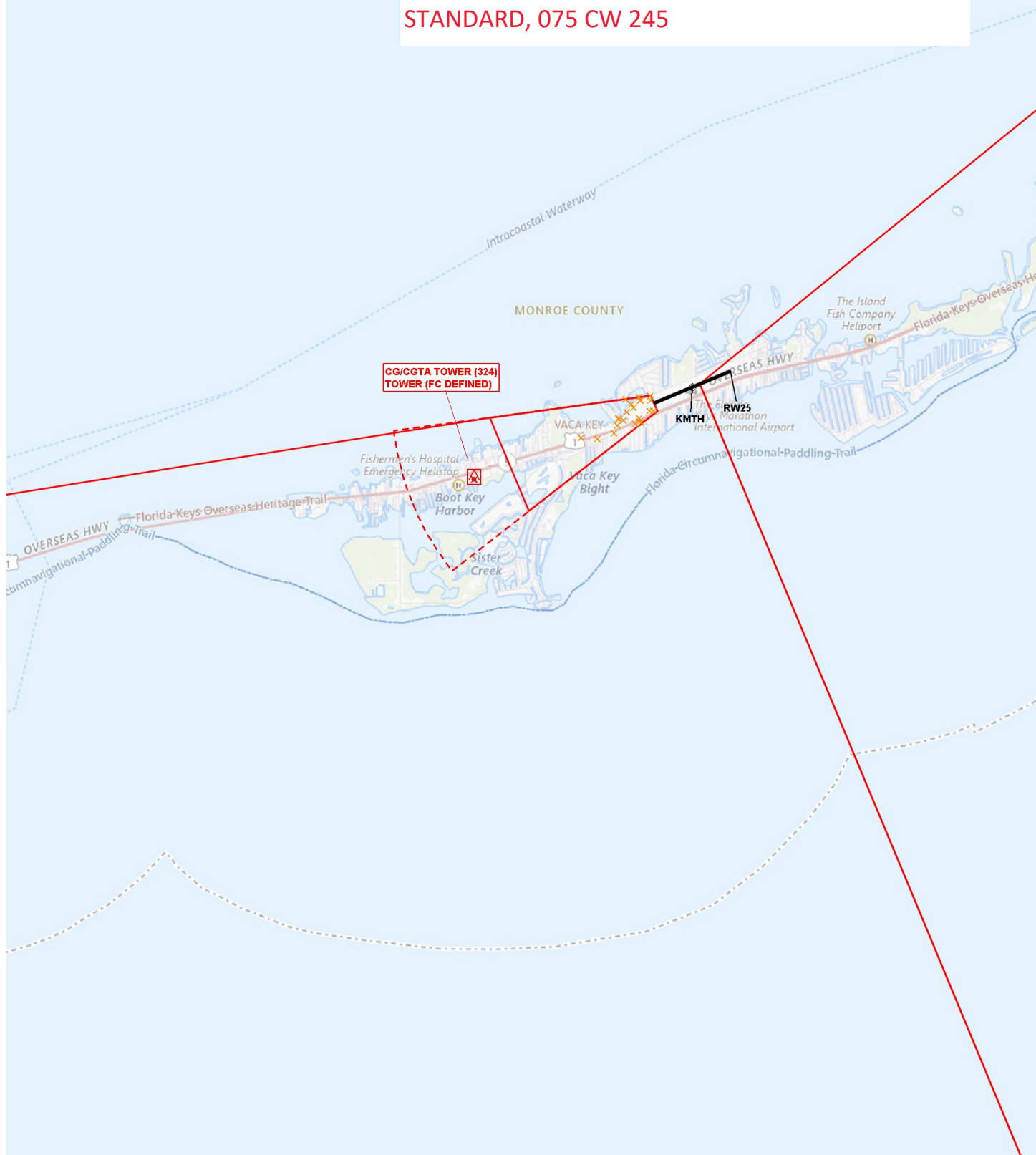
KMTH  
FLORIDA KEYS MARATHON INTL AIRPORT  
MARATHON, FL  
ODP RWY 7  
1:100,000  
STANDARD, 300 CW 245



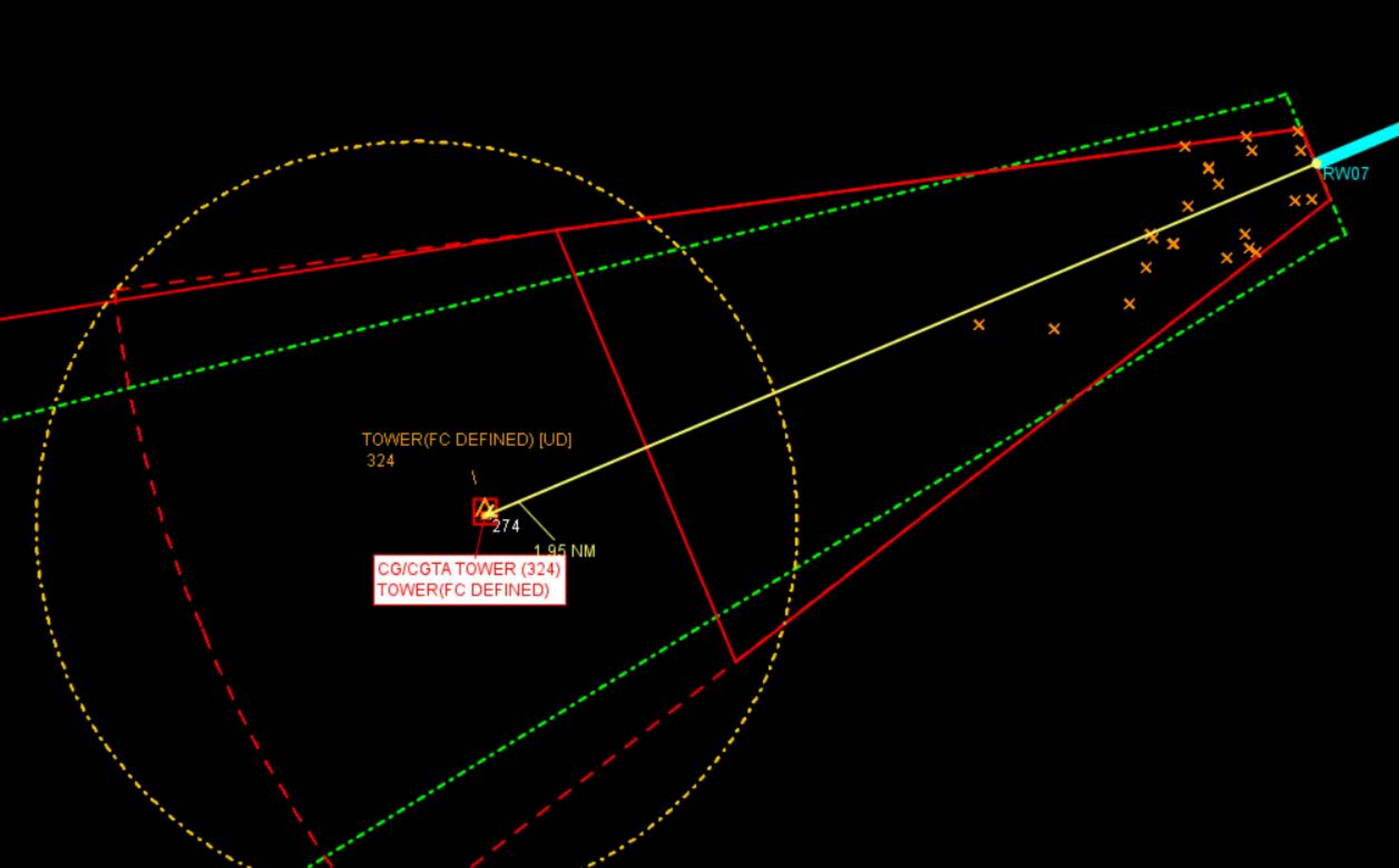




KMTH  
FLORIDA KEYS MARATHON INTL AIRPORT  
MARATHON, FL  
ODP RWY 25  
1:100,000  
STANDARD, 075 CW 245



**KMTH**  
**FLORIDA KEYS MARATHON INTL AIRPORT**  
**MARATHON, FL**  
**ODP RWY 25**  
**1:500,000**  
**STANDARD, 075 CW 245**





Results Name: DivDep - KMTH RW25 - FINAL

Amendment Number

2

Last evaluation: 28-Jan-2025 12:55:45

Total evaluation time: 2.635 s

Reference Software version: 3.0.1

Project Chart Date: 12/26/2024

DER Elevation (ft):

5.00

ICA Length (NM / ft):

1.57 / 9531.16

Input Climb Gradient (ft/NM):

255.00

Sec 2 Width (ft):

Input CG Termination Altitude (ft):

500.00

ICAE OCS Height (ft) MSL: 308.81

ICA Turn Altitude (ft):

405.00

DIV B OCS Start Height (ft) MSL: 405.20

Penetrating Obstacle

Penetrating Controller

Cleared Controller

Accuracy Code Overridden

Display Options

☐ Round CG/CGTA for Publication☒ Apply Acc Adj Vals for Controller☐ Show Full Precision RS Results

Area Evaluations Controlling Obstacles Results Input Show/Hide/Color OEA's Procedure Notes

## Diverse Departure Results

ICA Start Point:

N24° 43' 24.68",W081° 03' 29.98"

ICA Start Height (ft):

5.00

ICA Length (NM):

1.57

ICA Length (ft):

9531.16

Area Radius (NM):

46.00

ICAE OCS Height (ft) AMSL:

308.81

Diverse B OCS Start Height (ft) AMSL: 405.20

DRP:

N24° 43' 36.19",W081° 02' 59.88"

ICA Corner Points:

N24° 43' 20.11",W081° 03' 27.88" to N24° 43' 29.25",W081° 03' 32.07",  
N24° 43' 16.11",W081° 05' 18.12" to N24° 42' 20.31",W081° 04' 52.52"

Controlling CG ICA Length (NM):

1.57

## Criteria Failures and Warnings

No failures.

## Software Evaluation Failures, Warnings, and Notes

Edit Justification

CEW51: At least one terrain tile is missing from the given terrain source for the Diverse A Area area. Manual terrain evaluation may be required.

Edit Justification

CEW59: The procedure excludes digital terrain evaluation within one or more legacy survey areas that are not included in FAA Order 8260.19.

Edit Justification

Procedure database airport KMTH record magnetic variation of 4.0W (EY 2000) is within 3 degrees of next future epoch year value 7.0W (EY 2030).

Edit Justification

Using 215 feet for horizontal and 8 feet for vertical accuracy of 3DEP three arc second terrain data.

Help

Ok

Apply

Compare

Preview PDF

Export to PDF

Export to Spreadsheet

Re-Evaluate