

# RADIO FIX AND HOLDING DATA RECORD

NAME: BAIRN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 275652.37N/0810654.35W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME       | IDENT | TYPE   | CLASS | MAG<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>NM FEET | MRA  | MAA   |
|-----|------------|-------|--------|-------|------------|-------------|-------|--------------------------|------|-------|
| 1   | PALM BEACH | PBI   | VORTAC | VH    | 327.30     | 324.30      | 93.68 | 93.68                    | 7000 | 17500 |
| 2   | ORLANDO    | ORL   | VORTAC | VH    | 161.82     | 161.82      | 37.45 | 37.45                    | 2000 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY            | STATE   |
|----------|--------------|-----|-----|---------------|-----------------|---------|
| DP       | LIFRR (RNAV) |     |     | KFLL          | FORT LAUDERDALE | FL (US) |
| DP       | LIFRR (RNAV) |     |     | KFXE          | FORT LAUDERDALE | FL (US) |
| DP       | LIFRR (RNAV) |     |     | KHST          | HOMESTEAD       | FL (US) |
| DP       | LIFRR (RNAV) |     |     | X51           | HOMESTEAD       | FL (US) |
| DP       | LIFRR (RNAV) |     |     | KMIA          | MIAMI           | FL (US) |
| DP       | LIFRR (RNAV) |     |     | KOPF          | MIAMI           | FL (US) |
| DP       | LIFRR (RNAV) |     |     | KTMB          | MIAMI           | FL (US) |
| DP       | LIFRR (RNAV) |     |     | KPMP          | POMPANO BEACH   | FL (US) |
| DP       | PALM BEACH   |     |     | KPBI          | WEST PALM BEACH | FL (US) |
| EN ROUTE | T347         |     |     |               |                 | (US)    |
| EN ROUTE | V531         |     |     |               |                 | (US)    |
| IAP      | RNAV (GPS)-A |     |     | X26           | SEBASTIAN       | FL (US) |

REQUIRED CHARTING: SECTIONAL, DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. DOCKET: ADDED "24-ASO-10"
2. FIX MAKE-UP: REMOVED FAC 2 "TREASURE TRV VORTAC" AND RENUMBERED REMAINING.
3. HOLDING PATTERN: REMOVED "PAT 1" AND ASSOCIATED DATA.
4. HOLDING RESTRICTIONS: REMOVED "HOLDING LIMITED TO ESTABLISHED PATTERN."
5. REMARKS: REMOVED "2/25/2021: ATC REQUESTS FIX MAKE-UP REMAIN UNCHANGED FOR CHARTING PURPOSES." "PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-2901A/B, AVON EAST MOA, AND MARIAN MOA." AND "PRECIPITOUS TERRAIN EVALUATION COMPLETED"; UPDATED "TREASURE (FAC 2) AND ORLANDO (FAC 3) USED TO ESTABLISH FIX COORDINATES." TO "ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES."
6. FIX MAKE-UP: REMOVED "EN ROUTE V295" AND "STAR GOOFY" AT X04, KLEE, KCOI, KISM, KMCO, KORL, KSFB, AND KTIX.
7. CHARTING: REMOVED "STAR"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: ODDEL

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 280545.51N/0811010.24W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME      | IDENT | TYPE    | CLASS | MAG<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>NM | FEET | MRA  | MAA   |
|-----|-----------|-------|---------|-------|------------|-------------|-------|---------------------|------|------|-------|
| 1   | LAKELAND  | LAL   | VORTAC  | VH    | 080.47     | 081.47      | 45.31 | 45.31               |      | 2600 | 17500 |
| 2   | MELBOURNE | MLB   | VOR/DME | VL    | 276.00     | 269.00      | 28.35 | 28.35               |      | 2600 | 17500 |
| 3   | ORLANDO   | ORL   | VORTAC  | VH    | 161.81     | 161.81      | 28.13 | 28.13               |      | 2600 | 17500 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| LAL       | VORTAC   | R-080          | 46       | 2600         | 14700        |

## FIX RESTRICTIONS:

MCA T336 2700 EASTBOUND  
MCA T343 2700 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

LAKELAND (FAC 1) AND ORLANDO (FAC 3) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

| USE TYPE | USE TITLE          | FAC     | PAT | AIRPORT IDENT | CITY       | STATE   |
|----------|--------------------|---------|-----|---------------|------------|---------|
| EN ROUTE | T336               |         |     |               |            | (US)    |
| EN ROUTE | T339               |         |     |               |            | (US)    |
| EN ROUTE | T343               |         |     |               |            | (US)    |
| EN ROUTE | T347               |         |     |               |            | (US)    |
| EN ROUTE | V441               | 1, 2, 3 |     |               |            | (US)    |
| EN ROUTE | V531               | 1, 2, 3 |     |               |            | (US)    |
| IAP      | RNAV (GPS) RWY 24  |         |     | X07           | LAKE WALES | FL (US) |
| IAP      | RNAV (GPS) RWY 35L |         |     | KMCO          | ORLANDO    | FL (US) |
| STAR     | SLOAO (RNAV)       |         |     | KMCO          | ORLANDO    | FL (US) |

REQUIRED CHARTING: SECTIONAL, STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. DOCKET: ADDED "24-ASO-10"  
2. FIX USE: REMOVED "EN ROUTE V295" AND "STAR GOOFY" AT X04, KLEE, KISM, KMCO, KORL, AND KSFB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PALM BEACH VORTAC      **STATE:** FL      **COUNTRY:** US      **ICAO REGION CODE:** K7  
**LATITUDE/LONGITUDE:** 264048.20N/0800511.36W      **TYPE:**  
**AIRSPACE DOCKET:** 24-ASO-10      **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

| FAC | NAME       | IDENT | TYPE   | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC<br>NM FEET | MRA | MAA   |
|-----|------------|-------|--------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | PALM BEACH | PBI   | VORTAC | VH    |         |          |     |                          |     | 45000 |

**HOLDING:**      **HOLDING TYPE OF ACTION:** NO CHANGE

**PATTERNS:**

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|--------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | N   | PBI   | VORTAC | 343.24      | 163.24         | L                | 1                      | 13000 45000                  | 10 29                |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 230      | TOWER (12-002502) | 264759.72N/0800431.74W | 541       | 1A            |

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.  
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: W3 EPOCH YR: 1985.

**FIX USE:**

| USE TYPE    | USE TITLE            | FAC | PAT | AIRPORT IDENT | CITY            | STATE   |
|-------------|----------------------|-----|-----|---------------|-----------------|---------|
| SPECIAL IAP | ILS OR LOC RWY 9     |     |     | 06FA          | JUPITER         | FL (US) |
| DP          | FORT LAUDERDALE      |     |     | KFLL          | FORT LAUDERDALE | FL (US) |
| DP          | FORT LAUDERDALE      |     |     | KFXE          | FORT LAUDERDALE | FL (US) |
| DP          | MIAMI                |     |     | KHWO          | HOLLYWOOD       | FL (US) |
| DP          | MELBOURNE            |     |     | KMLB          | MELBOURNE       | FL (US) |
| DP          | MIAMI                |     |     | KMIA          | MIAMI           | FL (US) |
| DP          | MIAMI                |     |     | KOPF          | MIAMI           | FL (US) |
| DP          | MIAMI                |     |     | KTMB          | MIAMI           | FL (US) |
| DP          | CITRUS               |     |     | KMCO          | ORLANDO         | FL (US) |
| DP          | ORLANDO              |     |     | KMCO          | ORLANDO         | FL (US) |
| DP          | SANFORD              |     |     | KSFB          | ORLANDO         | FL (US) |
| DP          | FORT LAUDERDALE      |     |     | KPMP          | POMPANO BEACH   | FL (US) |
| DP          | PALM BEACH           |     |     | KPBI          | WEST PALM BEACH | FL (US) |
| EN ROUTE    | A699                 |     |     |               |                 | (US)    |
| EN ROUTE    | BR21V                |     |     |               |                 | (US)    |
| EN ROUTE    | BR54V                |     |     |               |                 | (US)    |
| EN ROUTE    | BR55V                |     |     |               |                 | (US)    |
| EN ROUTE    | BR63V                |     |     |               |                 | (US)    |
| EN ROUTE    | BR69V                |     |     |               |                 | (US)    |
| EN ROUTE    | V3                   |     |     |               |                 | (US)    |
| EN ROUTE    | V492                 |     |     |               |                 | (US)    |
| EN ROUTE    | V531                 |     |     |               |                 | (US)    |
| IAP         | RNAV (GPS) Y RWY 23  |     |     | KBCT          | BOCA RATON      | FL (US) |
| IAP         | ILS OR LOC RWY 10L   |     |     | KFLL          | FORT LAUDERDALE | FL (US) |
| IAP         | ILS OR LOC RWY 10R   |     |     | KFLL          | FORT LAUDERDALE | FL (US) |
| IAP         | ILS OR LOC RWY 28R   |     |     | KFLL          | FORT LAUDERDALE | FL (US) |
| IAP         | ILS OR LOC RWY 9     |     |     | KFXE          | FORT LAUDERDALE | FL (US) |
| IAP         | LOC RWY 15           |     |     | KPMP          | POMPANO BEACH   | FL (US) |
| IAP         | RNAV (GPS) RWY 30    |     |     | KSUA          | STUART          | FL (US) |
| IAP         | ILS OR LOC RWY 9R    |     |     | F45           | WEST PALM BEACH | FL (US) |
| IAP         | ILS OR LOC RWY 10L   |     |     | KPBI          | WEST PALM BEACH | FL (US) |
| IAP         | ILS OR LOC RWY 28R   |     |     | KPBI          | WEST PALM BEACH | FL (US) |
| IAP         | RNAV (GPS) Y RWY 10L |     |     | KPBI          | WEST PALM BEACH | FL (US) |
| STAR        | MELBOURNE            |     |     | KBCT          | BOCA RATON      | FL (US) |
| STAR        | STOOP                |     |     | KBCT          | BOCA RATON      | FL (US) |
| STAR        | TTYLR                |     |     | KBCT          | BOCA RATON      | FL (US) |
| STAR        | ANNEY                |     | 1   | KHST          | HOMESTEAD       | FL (US) |
| STAR        | ANNEY                |     | 1   | X51           | HOMESTEAD       | FL (US) |
| STAR        | MELBOURNE            |     |     | 06FA          | JUPITER         | FL (US) |
| STAR        | STOOP                |     |     | 06FA          | JUPITER         | FL (US) |
| STAR        | TTYLR                |     |     | 06FA          | JUPITER         | FL (US) |
| STAR        | ANNEY                |     | 1   | 07FA          | KEY LARGO       | FL (US) |
| STAR        | ANNEY                |     | 1   | KMIA          | MIAMI           | FL (US) |
| STAR        | ANNEY                |     | 1   | KTMB          | MIAMI           | FL (US) |
| STAR        | TTYLR                |     |     | KSUA          | STUART          | FL (US) |
| STAR        | TTYLR                |     |     | F45           | WEST PALM BEACH | FL (US) |

|      |           |      |                 |         |
|------|-----------|------|-----------------|---------|
| STAR | MELBOURNE | KLNA | WEST PALM BEACH | FL (US) |
| STAR | TTYLR     | KLNA | WEST PALM BEACH | FL (US) |
| STAR | MELBOURNE | KPBI | WEST PALM BEACH | FL (US) |
| STAR | STOOP     | KPBI | WEST PALM BEACH | FL (US) |
| STAR | TTYLR     | KPBI | WEST PALM BEACH | FL (US) |

**REQUIRED CHARTING:** DP, STAR, MILITARY STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 27

**DATE OF REVISION:** 04/17/2025

**REASON FOR REVISION:**

1. ADDED AIRSPACE DOCKET 24-ASO-10.
2. DELETED EN ROUTE V537 IN FIX USE.
3. DELETED STAR GOOFY AND STAR BLUF1 AT ALL AIRPORTS IN FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** DANIEL JOHNSEN

**APPROVED BY:**

**DATE:** 03/13/2025

**OFFICE:** AJV-A423

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: SABOT

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281505.10N/0811337.16W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ASO-10

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

| FAC | NAME     | IDENT | TYPE   | CLASS | MAG<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>NM FEET | MRA  | MAA   |
|-----|----------|-------|--------|-------|------------|-------------|-------|--------------------------|------|-------|
| 1   | ORLANDO  | ORL   | VORTAC | VH    | 161.82     | 161.82      | 18.35 | 18.35                    | 2000 | 17500 |
| 2   | LAKELAND | LAL   | VORTAC | VH    | 068.00     | 069.00      |       | 44.66                    | 2600 | 17500 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| LAL       | VORTAC   | R-068          | 45       | 2600         | 17500        |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

ORLANDO (FAC 1) AND LAKELAND (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

| USE TYPE | USE TITLE | FAC | PAT  | AIRPORT IDENT | CITY | STATE |
|----------|-----------|-----|------|---------------|------|-------|
| EN ROUTE | T347      |     |      |               |      | (US)  |
| EN ROUTE | V531      |     | 1, 2 |               |      | (US)  |

REQUIRED CHARTING: SECTIONAL, AREA, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. DOCKET: UPDATED "22-ASO-10" TO "24-ASO-10"
2. FIX USE: REMOVED "EN ROUTE V259" AND "STAR GOOFY" AT X04, KLEE, KCOI, KISM, KMCO, KORL, KSFB, AND KTIX.
3. CHARTING: REMOVED "STAR"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: