

# RADIO FIX AND HOLDING DATA RECORD

NAME: ANGEE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 272804.57N/0800854.06W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	MELBOURNE	MLB	VOR/DME	VL	152.69	145.69	46.10	46.11	2000	17500
2	PALM BEACH	PBI	VORTAC	VH	358.99	355.99	47.25	47.25	3000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MLB	VOR/DME	R-153	47	2000	17500
PBI	VORTAC	R-359	48	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	MLB	VOR/DME	150.00	330.00	R	1		2000	6000	5	7
2	SE		WP	131.60	311.60	R		4	2000	6000	4	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIPS	272804.57N/0800854.06W	300	2C
2	200	SHIPS	272804.57N/0800854.06W	300	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

MELBOURNE (FAC 1) AND PALM BEACH (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	BR62V					(US)
EN ROUTE	V492	1, 2				(US)
IAP	ILS OR LOC RWY 10R	1, 2	1	KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R		2	KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 14		2	KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 32			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 12			KSUA	STUART	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

1. FIX-MAKE UP FACILITIES: REMOVED TREASURE (TRV) VORTAC AND PAHOKEE (PHK) VOR/DME; MELBOURNE (MLB) VOR/DME: UPDATED CLASS FROM L TO VL, ADDED DME; PALM BEACH (PBI) VORTAC: UPDATED CLASS FROM H TO VH.
2. REMOVED EXPANDED SERVICES VOLUME: PHK VOR/DME R-035/D51/200/146.
3. UPDATED HOLDING PATTERN 1: FROM "TRV VORTAC, CRS INB 311.60, RT, 2000-6000" TO "MLB VOR/DME, CRS INB 330.00, RT, 2000-6000."
4. FIX USE: REMOVED BR62V FAC 1; UPDATED V492 FACS FROM 2,3,4 TO 1,2; KFPR ILS OR LOC RWY 10R: REMOVED FAC 3.
5. ADDED REMARK: MELBOURNE (FAC 1) AND PALM BEACH (FAC 2) USED TO ESTABLISH FIX COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A430

NAME: JOSEPH ZEDER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HASOK

**STATE:** FL

**COUNTRY:** US

**ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 272400.01N/0803651.10W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

NAME CHANGED FROM CUKDO TO HASOK.

**FIX USE:**

**USE TYPE**

IAP

IAP

**USE TITLE**

ILS OR LOC RWY 10R

RNAV (GPS) RWY 10R

**FAC**

**PAT**

**AIRPORT IDENT**

KFPR

KFPR

**CITY**

FORT PIERCE

FORT PIERCE

**STATE**

FL (US)

FL (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 03/02/2017

**REASON FOR REVISION:**

CHANGED FIX NAME FROM CUKDO TO HASOK PER ZMA DUE TO SIMILAR SOUNDING FIX LOCATED 22 NM NW ON V492 (CUKPO).  
ADDED "NAME CHANGED FROM CUKDO TO HASOK" TO REMARKS.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**DEVELOPED BY:**

**DATE:** 10/11/2016

**OFFICE:** AJV-5412

**NAME:** MIKE MELSEN

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5410

**NAME:** GEORGE DAVIS

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**

**FPO:** EST

**ARTCC:** ZMA

**ATC FACILITY:** FPR TOWER

**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: MIMBE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 273555.00N/0803611.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
IAP  
IAP

USE TITLE  
ILS OR LOC RWY 10R  
RNAV (GPS) RWY 10R

FAC

PAT

AIRPORT IDENT  
KFPR  
KFPR

CITY  
FORT PIERCE  
FORT PIERCE

STATE  
FL (US)  
FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/29/2014

**REASON FOR REVISION:**

UPDATED FIX USE.  
FIX MOVED 1.11 NM NORTHWEST. ATC RETAIN FIX USE FOR OPERATIONAL ADVANTAGE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/17/2013

OFFICE: AJV-352

NAME: PETER GETZ (THERON CYRUS)

APPROVED BY:

DATE: 05/29/2014

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: FPR TOWER  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: SHEDS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 271804.61N/0803513.45W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	PALM BEACH	PBI	VORTAC	VH	327.29	324.29	45.84	45.84	3000	17500
2	LEE COUNTY	RSW	VORTAC	VL	055.83	053.83		78.70	5000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PBI	VORTAC	R-327	46	3000	5100
RSW	VORTAC	R-056	79	5000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

PALM BEACH (FAC 1) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SNDLR (RNAV)			KSUA	STUART	FL (US)
DP	TBIRD (RNAV)			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	V531	1, 2				(US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 12			KSUA	STUART	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

1. DELETED RNAV (GPS) RWY 32 KOBE FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: GEORGE TYLER

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: SIVYO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 272951.07N/0802458.90W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	FORT PIERCE	I-FJD	LOC/DME		277.46	270.46	3.21	3.21		460	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10R	1		KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

1. FIX MOVED 162 FEET EAST.
2. UPDATED FIX MAKE-UP: FORT PIERCE (I-FJD) LOC/DME MAG/TRUE BRG FROM 277.47/270.47 TO 277.46/270.46; DME/DIST FROM FAC FROM 3.23/3.24 TO 3.21/3.21.
3. REMOVED REMARKS: FORT PIERCE (FAC 1) USED TO ESTABLISH FIX COORDINATES; I-FJD DME LAT/LONG: 272947.01N/0802122.51W.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A430

NAME: JOSEPH ZEDER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TIKIY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 272952.66N/0802851.95W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	FORT PIERCE	I-FJD	LOC/DME		277.46	270.46	6.66	6.66	40488	1800	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10R	1		KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

1. MOVED FIX 1 FT SOUTH.
2. REMOVED FIX TYPE: INT.
3. UPDATED FIX MAKE-UP FACILITY: FORT PIERCE (I-FJD) LOC/DME MAG/TRUE BRG FROM 277.47/270.47 TO 277.46/270.46.
4. REMOVED REMARKS: 8260.54A FORMULA 2-16B AND FAC 1 USED TO ESTABLISH FIX COORDINATES; I-FJD DME LAT/LONG: 272947.01N/0802122.51W.
5. FIX USE: REMOVED FAC 2 FROM KFPR ILS OR LOC RWY 10R.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A430

NAME: JOSEPH ZEDER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TREASURE VORTAC

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 274042.26N/0802923.04W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	TREASURE	TRV	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	TRV	VORTAC	347.04	167.04	L	1		10000	24000	9	19
2	N	TRV	VORTAC	348.00	168.00	R	1		2000	24000	4	19
3	NW	TRV	VORTAC	336.95	156.95	R	1		2000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-002803)	274408.00N/0802726.00W	523	5D
2	200	TOWER (12-002803)	274408.00N/0802726.00W	523	5D
3	200	TOWER (12-002803)	274408.00N/0802726.00W	523	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID ADJACENT AIRSPACE

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497B.  
PAT 2 HOLDING FOR ATC USE (NOT CHARTED)  
ASSIGNED FACILITY MAGVAR: 7W (2015).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	BR62V					(US)
EN ROUTE	V159					(US)
EN ROUTE	V225					(US)
EN ROUTE	V295					(US)
EN ROUTE	V3					(US)
EN ROUTE	V51					(US)
EN ROUTE	V537					(US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 28L			KFPR	FORT PIERCE	FL (US)
IAP	ILS OR LOC RWY 9R			F45	WEST PALM BEACH	FL (US)
STAR	GOOFY			X04	APOPKA	FL (US)
STAR	BLUFI			KFLL	FORT LAUDERDALE	FL (US)
STAR	SHFTY (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	ANNEY		1	KHST	HOMESTEAD	FL (US)
STAR	ANNEY		1	X51	HOMESTEAD	FL (US)
STAR	ANNEY		1	07FA	KEY LARGO	FL (US)
STAR	GOOFY			KLEE	LEESBURG	FL (US)
STAR	GOOFY			KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY		1	KMIA	MIAMI	FL (US)
STAR	ANNEY		1	KTMB	MIAMI	FL (US)
STAR	GOOFY			KISM	ORLANDO	FL (US)
STAR	GOOFY			KMCO	ORLANDO	FL (US)
STAR	GOOFY			KORL	ORLANDO	FL (US)
STAR	GOOFY			KSFB	ORLANDO	FL (US)
STAR	GOOFY			KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

DELETED KVRB: VOR RWY 12R, VOR RWY 30L FROM FIX USE.

DELETED KFPR: VOR/DME RWY 14 FROM FIX USE.

DELETED MELBOURNE DP FROM FIX USE.

DELETED "DP" FROM REQUIRED CHARTING.

DELETED KMLB - ILS OR LOC RWY 09R, LOC BC RWY 27L, RNAV (GPS) RWY 09L, RNAV (GPS) RWY 09R, RNAV (GPS) RWY 27L, RNAV (GPS) RWY 27R FROM FIX USE.

DELETED KOBE - RNAV (GPS) RWY 14, RNAV (GPS) RWY 23 FROM FIX USE.

CHANGED FIX COORDINATES FROM "274042.33N/0802923.01W" (REV 27) TO "274042.26N/0802923.04W" (AIRNAV).

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

**NAME:**

**APPROVED BY:**

**DATE:** 02/20/2025

**OFFICE:** AJV-A423

**NAME:** ALLAN WILL

**SIGNATURE:**



# RADIO FIX AND HOLDING DATA RECORD

NAME: ZAHZA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 272955.18N/0803538.29W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	FORT PIERCE	I-FJD	LOC/DME		277.46	270.46	12.68	12.69		2000	4500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	I-FJD	LOC/DME	277.46	097.46	R	1		2000	4500	4	5
2	W		WP	277.37	097.37	R		4	2000	6000	4	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001384)	272928.00N/0804622.00W	477	5D
2	200	TOWER (12-001384)	272928.00N/0804622.00W	477	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10R	1	1	KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 10R		2	KFPR	FORT PIERCE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

1. REMOVED FIX TYPE: INT.
2. FIX MAKE-UP FACILITY: REMOVED TREASURE (TRV) VORTAC; UPDATED FORT PIERCE (I-FJD) LOC/DME MAG/TRUE BRG FROM 277.47/270.47 TO 277.46/270.46.
3. UPDATED HOLDING PATTERN 1 CONTROLLING OBSTACLE ELEVATION FROM 478 TO 477.
4. ADDED HOLDING PATTERN 2 AND ASSOCIATED OBSTACLE.
5. FIX USE: REMOVED FAC 2 FROM KFPR ILS OR LOC RWY 10R; ADDED PATTERN 2 TO KFPR RNAV (GPR) RWY 10 R.
6. REMOVED REMARKS: FORT PIERCE (FAC 1) AND TREASURE (FAC 2) USED TO ESTABLISH FIX COORDINATES; I-FJD DME LAT/LONG: 272947.01N/0802122.51W.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A430

NAME: JOSEPH ZEDER

SIGNATURE: