

# RADIO FIX AND HOLDING DATA RECORD

NAME: CFFPS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264404.79N/0801253.99W

TYPE: CNF

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

REV 1 FIX NAME CHANGED FROM UBMEF TO CFFPS IN REV 2 TO UPDATE TO CNF IDENTIFIER.

**FIX USE:**

USE TYPE  
IAP

USE TITLE  
RNAV (RNP) Z RWY 10L

FAC

PAT

AIRPORT IDENT  
KPBI

CITY  
WEST PALM BEACH

STATE  
FL (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

**REASON FOR REVISION:**

MOVED CFFPS FIX 8 FEET SOUTHEAST.  
CHANGED FIX NAME FROM UBMEF TO CFFPS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: ANDRE TUCKER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**JOHN BORDY**

Jun 10, 2021

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: PBI APP CON/PBI ATCT

OTHER:

QUALITY  
29  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ENDUW

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 265309.89N/0800221.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (RNP) Z RWY 10L

FAC

PAT

AIRPORT IDENT  
KPBI

CITY  
WEST PALM BEACH

STATE  
FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/12/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*  
**JOHN BORDY**

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: PBI APP CON  
OTHER:  
Jun 10, 2021

QUALITY  
29  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JUTAS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264040.45N/0795911.93W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) Y RWY 10L

RNAV (RNP) Z RWY 10L

FAC

PAT

AIRPORT IDENT

KPBI

KPBI

CITY

WEST PALM BEACH

WEST PALM BEACH

STATE

FL (US)

FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

REASON FOR REVISION:

DELETED FACILITY 1.

UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**JOHN BORDY**

DISTRIBUTION:

NFDC

FPO: ATL

ARTCC: ZMA

ATC FACILITY: PBI ATCT

OTHER: MIA APP CON

Jun 10, 2021

QUALITY  
29  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: LANCH STATE: FL COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 263049.33N/0800616.90W 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	MRA	MAA
1	PALM BEACH	PBI	VORTAC	H	188.62	185.62	10.00	10.00	2000	17500
2	PAHOKEE	PHK	VOR/DME	H	116.90	116.90		35.41	2000	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	S		WP	189.00	009.00	R	4	2000 6000	4 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003492)	262602.27N/0800530.29W	459	4D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PALM BEACH (FAC 1) AND PAHOKEE (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	V3	1, 2				(US)
IAP	RNAV (GPS) Y RWY 14		1	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (RNP) Z RWY 14		1	KPBI	WEST PALM BEACH	FL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

REMOVED PBI VORTAC HOLD PAT 1 AND CONT OBST.  
 CHANGED TITLE FROM "ENROUTE LOW CHART" TO "V3" IN FIX USE.  
 CHANGED MAX HOLDING ALTITUDE/TEMPLATE FROM 14000/11 TO 6000/6.  
 REMOVED KPBI ILS OR LOC RWY 10L, RNAV (GPS) Y RWY 10L, AND RNAV (RNP) Z RWY 10L FROM FIX USE.  
 REMOVED STATEMENT "OBSTACLE 12-003492 ASSIGNED 4D ACCURACY CODE PER OE/AAA STUDY 1995-ASO-520-OE."  
 CHANGED STATEMENT FROM HOLDING LIMITED TO ESTABLISHED PATTERNS TO HOLDING LIMITED TO ESTABLISHED PATTERN IN HOLDING RESTRICTIONS.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: ANDRE TUCKER  
 APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

JOHN BORDY

DISTRIBUTION: NFDC  
 FPO: EST Jun 10, 2021  
 ARTCC: ZMA  
 ATC FACILITY: PBI APP CON, PBI TOWER  
 OTHER:



# RADIO FIX AND HOLDING DATA RECORD

NAME: MORGA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 265736.78N/0801155.87W

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	FEET	MRA	MAA
1	PALM BEACH	PBI	VORTAC	H	343.23	340.23	17.81	17.81		2000	17500
2	PAHOKEE	PHK	VOR/DME	H	068.00	068.00		28.48		2000	17500
3	TREASURE	TRV	VORTAC	H	167.05	160.05	45.70	45.70		3000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TRV	VORTAC	R-167	46	3000	14600

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	S	PBI	VORTAC	343.23	343.23	L	1		2000	10000	4	10
2	S		WP	163.00	343.00	R		4	3000	10000	5	10
3	S	PBI	VORTAC	343.23	343.23	R	1		3000	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003439)	270131.99N/0801041.87W	1038	1A
1	310	TOWER (12-003439)	270131.99N/0801041.87W	1038	1A
2	200	TOWER (12-003439)	270131.99N/0801041.87W	1038	1A
3	200	TOWER (12-003439)	270131.99N/0801041.87W	1038	1A

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC/DME RWY 9	K06FA	JUPITER	FL (US)

## REMARKS:

PALM BEACH (FAC 1) AND PAHOKEE (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PAT 1 CONTROLLING OBSTRUCTION PRIMARY EQUIVALENT 462 FEET.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V3	1, 2, 3				(US)
IAP	ILS OR LOC RWY 9R	1	1	KF45	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 10L	1	3	KPBI	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 28R	1	3	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) X RWY 28R		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 10L		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 28R		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 32		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (RNP) W RWY 28R		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (RNP) Z RWY 10L		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (RNP) Z RWY 28R		2	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (RNP) Z RWY 32		2	KPBI	WEST PALM BEACH	FL (US)
SPECIAL IAP	ILS OR LOC/DME RWY 9	1, 2	1	K06FA	JUPITER	FL (US)
STAR	HILEY (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)			KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)			KTMB	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 08/12/2021

REASON FOR REVISION:



ADDED FAC 3 TO V3 IN FIX USE.  
 CHANGED PAT 1 MAX TEMPLATE FROM 12 TO 10.  
 REPLACED PAT 3 TRV VORTAC WITH PBI VORTAC HOLDING.  
 ADDED IAPS KPBI RNAV (GPS/RNP) Y/Z RWY 10L TO FIX USE.  
 CHANGED REQUIRED CHARTING FROM CONTROLLER TO CONTROLLER LOW.  
 REMOVED "PAT 2 ATC REQUEST." FROM REASON FOR NONSTANDARD HOLDING.  
 REMOVED PAT 2 AND CHANGED PRIMARY EQUIVALENT FROM 534 TO 462 IN REMARKS.  
 REMOVED FAC 2 FROM KPBI ILS OR LOC RWY 28R IN FIX USE AND CHANGED PAT FROM 1 TO 3.  
 CHANGED PAT 2 FROM L TO R TURN, MIN ALT FROM 2000 TO 3000, AND MIN TEMPLATE FROM 4 TO 5.  
 REMOVED (ALT MISS) FROM TITLE, AND REPLACED FAC 2/3 WITH FAC 1 FOR KPBI ILS OR LOC RWY 10L IN FIX USE.

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**  
**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A422                      **NAME:** ANDRE TUCKER  
**APPROVED BY:**                      **DATE:** 05/05/2021                      **OFFICE:** AJV-A420                      **NAME:** MARLON ROBINSON

**SIGNATURE:** *Digitally signed by*

**JOHN BORDY**

**DISTRIBUTION:**      NFDC  
                              FPO: EST                      Jun 10, 2021  
                              ARTCC: ZMA  
                              ATC FACILITY: PBI APP CON/PBI ATCT  
                              OTHER:

QUALITY  
 29  
 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ODKEY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263141.39N/0795848.07W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP  
IAP

USE TITLE  
RNAV (GPS) Y RWY 10L  
RNAV (RNP) Z RWY 10L

FAC PAT

AIRPORT IDENT  
KPBI  
KPBI

CITY  
WEST PALM BEACH  
WEST PALM BEACH

STATE  
FL (US)  
FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 08/12/2021

REASON FOR REVISION:

FIX MOVED 1.54NM SW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**JOHN BORDY**

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: PBI APP CON  
OTHER:

Jun 10, 2021

QUALITY  
29  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SHDEE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264648.35N/0801339.04W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (RNP) Z RWY 10L

FAC

PAT

AIRPORT IDENT  
KPBI

CITY  
WEST PALM BEACH

STATE  
FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 08/12/2021

REASON FOR REVISION:

MOVED SHDEE FIX 14 FEET EAST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: ANDRE TUCKER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

**JOHN BORDY**

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: PBI APP CON/PBI ATCT

OTHER:

Jun 10, 2021

QUALITY  
29  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: ZISUR STATE: FL COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 264116.50N/0801302.91W TYPE: WP, RADAR, 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	FAC FEET	MRA	MAA
1	WEST PALM BEACH	I-PBI	LOC/DME		278.77	272.77	7.68	7.69	46705	2000	4500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

ACTUAL DME CORRINATES: 264051.43N/0800429.01W.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10L	1		KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 10L			KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (RNP) Z RWY 10L			KPBI	WEST PALM BEACH	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 08/12/2021

**REASON FOR REVISION:**

MOVED ZISUR FIX 9 FEET SOUTHEAST.  
 CHANGED DIST FROM FAC FEET FROM 46713 TO 46705 IN FIX MAKE-UP FACILITIES.  
 REMOVED STATEMENT "FIX COORDINATES AT LNAV/VNAV PFAF LOCATION." FROM REMARKS.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 NAME: ANDRE TUCKER  
 APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*  
**JOHN BORDY**

DISTRIBUTION: NFDC Jun 10, 2021  
 FPO: EST  
 ARTCC: ZMA  
 ATC FACILITY: PBI APP CON/PBI ATCT  
 OTHER:

