

# RADIO FIX AND HOLDING DATA RECORD

NAME: ARKES

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263437.73N/0802503.60W

TYPE: INT, DME

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	FAC FEET	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	DH	348.00	344.00	51.37	51.37		2000	45000
2	PALM BEACH	PBI	VORTAC	VH	254.00	251.00		18.84		2000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VKZ	VOR/DME	R-348	52	2000	14600

HOLDING:

HOLDING TYPE OF ACTION:

## REMARKS:

VIRGINIA KEY (FAC 1) AND PALM BEACH (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V159	1				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

1. REMOVED FIX USE IAP RNAV (GPS)-A KLNA WEST PALM BEACH FL.
2. REMOVED IAP FROM CHARTING.
3. FIX MAKE-UP FACILITIES: CHANGED FAC 1 CLASS FROM "H" TO "DH" AND FAC 2 CLASS FROM "H" TO "VH."
4. REMOVED WP FROM TYPE.
5. ADDED 1 TO ENROUT V159 FAC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: DANIEL JOHNSON

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Jan 28, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ATONE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 262312.14N/0802123.68W

TYPE: WP

AIRSPACE DOCKET: 24-ASO-10

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	349.00	169.00	L	4	2100	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-020250)	262121.60N/0801749.31W	338	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 5			KBCT	BOCA RATON	FL (US)
IAP	RNAV (GPS) Y RWY 23		1	KBCT	BOCA RATON	FL (US)
IAP	RNAV (RNP) Z RWY 23		1	KBCT	BOCA RATON	FL (US)
IAP	RNAV (GPS) RWY 15			KPMP	POMPANO BEACH	FL (US)
IAP	RNAV (GPS) RWY 33		1	KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. TYPE: REMOVED "DME"
2. DOCKET: ADDED "24-ASO-10"
3. FIX MAKE-UP: REMOVED "VIRGINIA KEY VKZ VOR/DME" AND ASSOCIATED DATA.
4. FIX USE: REMOVED "EN ROUTE V159"

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:

*Digitally signed by*

**ALLAN WILL**

Jan 28, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BIWIK

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 273141.17N/0802901.75W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	TREASURE	TRV	VORTAC	H	184.99	177.99	9.00	9.00		2600	17500

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V159	1				

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

DELETED "PRECIPITOUS TERRAIN EVALUATION COMPLETED" FROM REMARKS.  
DELETED KFPR: VOR/DME RWY 14 FROM FIX USE.  
DELETED PAT 1 AND ASSOCIATED DATA.  
CHANGED "CONTROLLER" TO "CONTROLLER LOW" IN REQUIRED CHARTING.  
DELETED "IAP" FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THERON CYRUS

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Jan 28, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JUPEM

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 265912.27N/0802745.53W

TYPE: WP

AIRSPACE DOCKET: 24-ASO-10

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE  
SPECIAL IAP

USE TITLE  
ILS OR LOC RWY 9

FAC

PAT

AIRPORT IDENT  
06FA

CITY  
JUPITER

STATE  
FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 04/17/2025

**REASON FOR REVISION:**

1. TYPE: REMOVED "INT, DME"; ADDED "WP"
2. DOCKET: ADDED "24-ASO-10"
3. FIX MAKE-UP: REMOVED "TREASURE TRV VORTAC" AND ASSOCIATED ESV, AND "PAHOKEE PHK VOR/DME"
4. REMARKS: REMOVED "TREASURE (FAC 1) AND PAHOKEE (FAC 2) USED TO ESTABLISH FIX COORDINATES"
5. FIX USE: REMOVE "EN ROUTE V159"

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:

*Digitally signed by*

**ALLAN WILL**

Jan 28, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SHANC

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 261851.14N/0802000.16W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-ASO-10

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	VH	348.00	344.00	35.00	35.00	2100	17500
2	PALM BEACH	PBI	VORTAC	VH	214.32	211.32		25.61	2100	17500
3	FORT LAUDERDALE	FLL	VOR/DME	VH	333.96	327.96	16.96	16.96	2100	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	N	VKZ	VOR/DME	348.00	168.00	R	1	2100 6000	6 7
2	NW	FLL	VOR/DME	333.96	153.96	R	1	2100 6000	5 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-020250)	262121.60N/0801749.31W	338	5D
2	200	TOWER (12-020250)	262121.60N/0801749.31W	338	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

VIRGINIA KEY (FAC 1) AND FORT LAUDERDALE (FAC 3) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITIOUS TERRAIN EVALUATION COMPLETE.  
FLL VOR/DME HOLDING FOR ALTERNATE MISSED APPROACH.  
ATC REQUESTED SECTIONAL CHARTING.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T208					(US)
EN ROUTE	T347					(US)
IAP	ILS OR LOC RWY 9	1, 2, 3	1, 2	KFXE	FORT LAUDERDALE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. DOCKET: UPDATED "22-ASO-8" TO "24-ASO-10"
2. FIX MAKE-UP: UPDATED VKZ VOR/DME, PBI VORTAC, AND FLL VOR/DME CLASS FROM "H" TO "VH".
3. FIX USE: REMOVED "EN ROUTE V159"

01/29/25: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/21/24.

1. CONTROLLING OBS: UPDATED PAT 1 AND 2 FROM "TOWER (12-002986)" TO "TOWER (12-020250)"

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:

*Digitally signed by*

**ALLAN WILL**

Jan 30, 2025

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: TBIRD

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 270922.25N/0802809.74W

TYPE: WP, DME

AIRSPACE DOCKET: 24-ASO-10

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	PALM BEACH	PBI	VORTAC	VH	327.30	324.30	35.12	35.12		2500	17500

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TBIRD (RNAV)			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	V531	1				(US)
IAP	RNAV (GPS) RWY 32			KFPR	FORT PIERCE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. TYPE: REMOVED "INT"
2. DOCKET: ADDED "24-ASO-10"
3. FIX MAKE-UP: REMOVED "TREASURE TRV VORTAC"
4. REMARKS: REMOVED "PALM BEACH (FAC 1) AND TREASURE (FAC 2) USED TO ESTABLISH FIX COORDINATES."
5. FIX USE: REMOVED "EN ROUTE V159"

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:

*Digitally signed by*

**ALLAN WILL**

Jan 28, 2025

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZARNA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 260802.89N/0801633.16W

TYPE: WP

AIRSPACE DOCKET: 24-ASO-19

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) RWY 6

FAC

PAT

AIRPORT IDENT  
KPMP

CITY  
POMPANO BEACH

STATE  
FL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. TYPE: REMOVED "DME"
2. DOCKET: ADDED "24-ASO-10"
3. FIX MAKE-UP: REMOVED "VIRGINIA KEY VKZ VOR/DME" AND ASSOCIATED DATA.
4. FIX USE: REMOVED "EN ROUTE V159"

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:

*Digitally signed by*

**ALLAN WILL**

Jan 28, 2025

QUALITY  
13  
CHECKED