

# RADIO FIX AND HOLDING DATA RECORD

NAME: BEHAV

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 242747.48N/0814315.83W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## 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	W		WP	273.35	093.35	R	4	4000	7000	5	9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	242747.48N/0814315.83W	295	4B

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FNTSY (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)		1	KEYW	KEY WEST	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BULZI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 302224.93N/0840434.47W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q19					(US)
EN ROUTE	Q81					(US)
STAR	VUUDU (RNAV)			KBCT	BOCA RATON	FL (US)
STAR	TEEKY (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			X51	HOMESTEAD	FL (US)
STAR	VUUDU (RNAV)			06FA	JUPITER	FL (US)
STAR	FROGZ (RNAV)			07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)			KMIA	MIAMI	FL (US)
STAR	CUURT (RNAV)			KOPF	MIAMI	FL (US)
STAR	FROGZ (RNAV)			KTMB	MIAMI	FL (US)
STAR	TEEKY (RNAV)			KPMP	POMPANO BEACH	FL (US)
STAR	VUUDU (RNAV)			KSUA	STUART	FL (US)
STAR	VUUDU (RNAV)			F45	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)			KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DEFUN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 304851.27N/0860753.09W

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	CRESTVIEW	CEW	VORTAC	VH	088.31	091.31	28.31	28.31	2000	45000
2	MONTGOMERY	MGM	VORTAC	VH	170.41	173.41		84.85	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

CRESTVIEW (FAC 1) AND MONTGOMERY (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
DO NOT CHART FAC 2 (MGM) ON EN ROUTE LOW CHARTS.  
DEFUN IS A DME-ONLY FIX BELOW 18000.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J2					(US)
EN ROUTE	V198					(US)
IAP	RNAV (GPS) RWY 9			54J	DEFUNIAK SPRINGS	FL (US)
STAR	VUUDU (RNAV)			KBCT	BOCA RATON	FL (US)
STAR	TEEKY (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			X51	HOMESTEAD	FL (US)
STAR	VUUDU (RNAV)			06FA	JUPITER	FL (US)
STAR	FROGZ (RNAV)			07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	MAATY (RNAV)			KLAL	LAKELAND	FL (US)
STAR	FROGZ (RNAV)			KMIA	MIAMI	FL (US)
STAR	CUURT (RNAV)			KOPF	MIAMI	FL (US)
STAR	FROGZ (RNAV)			KTMB	MIAMI	FL (US)
STAR	GNRCH (RNAV)			KMCO	ORLANDO	FL (US)
STAR	TEEKY (RNAV)			KPMP	POMPANO BEACH	FL (US)
STAR	BANGZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BANGZ (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	VUUDU (RNAV)			KSUA	STUART	FL (US)
STAR	MAATY (RNAV)			KMCF	TAMPA	FL (US)
STAR	MAATY (RNAV)			KTPA	TAMPA	FL (US)
STAR	MAATY (RNAV)			KVDF	TAMPA	FL (US)
STAR	BANGZ (RNAV)			KVNC	VENICE	FL (US)
STAR	VUUDU (RNAV)			F45	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)			KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A443

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: EXACT

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264529.90N/0820739.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	TEEKY (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			X51	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)			KMIA	MIAMI	FL (US)
STAR	FROGZ (RNAV)			KTMB	MIAMI	FL (US)
STAR	TEEKY (RNAV)			KPMP	POMPAÑO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FARLU

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 274532.56N/0825043.77W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

CONTROLLER LOW PER ATC REQUEST

**FIX USE:**

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

EN ROUTE

Q81

STAR

KRAKN (RNAV)

KEYW

KEY WEST

(US)

STAR

KRAKN (RNAV)

KNQX

KEY WEST

FL (US)

FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

**REASON FOR REVISION:**

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.
2. ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: GIGIH

STATE: OG

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 250032.70N/0814415.84W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## 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	NE		WP	026.78	206.78	L	6	4000	16000	7	16

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	250032.70N/0814415.84W	295	4B

## REASON FOR NONSTANDARD HOLDING:

PAT 1 FPT REQUEST

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	KRAKN (RNAV)		1	KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)		1	KNQX	KEY WEST	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/31/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX. REMOVED EN ROUTE V225/OTHER ATC COORDINATION FROM FIX USE.
2. HOLDING UPDATE: ADDED PAT 1 AND ITS ASSOCIATED DATA.
3. GIGIH MOVED FROM 250117.61N/0814741.88W TO 250032.70N/0814415.84W.

09/16/24: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 08/30/24.

1. ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 16, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: GUZLR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 245323.86N/0814329.71W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE  
KRAKN (RNAV)

FAC

PAT

AIRPORT IDENT  
KNQX

CITY  
KEY WEST

STATE  
FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KARTR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 252945.76N/0813046.24W

TYPE: WP, 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	LEE COUNTY	RSW	VORTAC	VL	169.00	167.00	63.46	63.46	4000	17500
2	KEY WEST	EYW	VORTAC	VH	015.00	016.00	56.65	56.65	4000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RSW	VORTAC	R-169	64	4000	17500
EYW	VORTAC	R-015	57	4000	14600

## FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N		WP	346.91	166.91	L	10	11000	19000	15	15

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	SHIP	252945.76N/0813046.24W	295	4B

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

## HOLDING RESTRICTIONS:

PAT 1 CHART 230K ICON

## REMARKS:

LEE COUNTY (FAC 1) AND KEY WEST (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	Q81					(US)
EN ROUTE	V539	1, 2				(US)
STAR	BHHIA (RNAV)		1	KFLL	FORT LAUDERDALE	FL (US)
STAR	BHHIA (RNAV)		1	KFXE	FORT LAUDERDALE	FL (US)
STAR	SNDDBR (RNAV)		1	KHST	HOMESTEAD	FL (US)
STAR	SNDDBR (RNAV)		1	X51	HOMESTEAD	FL (US)
STAR	SNDDBR (RNAV)		1	07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)		1	KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)		1	KNQX	KEY WEST	FL (US)
STAR	BHHIA (RNAV)		1	KMIA	MIAMI	FL (US)
STAR	SNDDBR (RNAV)		1	KMIA	MIAMI	FL (US)
STAR	SNDDBR (RNAV)		1	KTMB	MIAMI	FL (US)
STAR	BHHIA (RNAV)		1	KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

- FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX/PAT 1.
- CHANGED FAC 1 CLASS FROM L TO VL. CHANGED FAC 2 CLASS FROM H TO VH.
- HOLDING PATTERNS UPDATE: PAT 1 TEMPLATES MAX CHANGED FROM 17 TO 15.
- CONTROLLING OBSTRUCTIONS UPDATE: REMOVED AIRSPEED 265/TOWER(12-000167) 255126.90N/0812305.96W, 214, 1A. ADDED AIRSPEED 230/SHIP 252945.76N/0813046.24W, 295, 4B.
- REMARKS UPDATE: REMOVED "HOLDING PATTERN NOAA DYNAMIC MAGVAR 6W; TRUE INBOUND COURSE IS 160.91".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

Digitally signed by

ROBERT G HAMILTON

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

Sep 03, 2024

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

QUALITY  
14  
CHECKED



**SIGNATURE:**



# RADIO FIX AND HOLDING DATA RECORD

NAME: KRAKN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 251550.48N/0813712.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
KRAKN (RNAV)  
KRAKN (RNAV)

FAC

PAT

AIRPORT IDENT  
KEYW  
KNQX

CITY  
KEY WEST  
KEY WEST

STATE  
FL (US)  
FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MARCI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 255327.84N/0814702.37W

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	LEE COUNTY	RSW	VORTAC	H	182.67	180.67	38.22	38.22		2100	45000
2	DOLPHIN	DHP	VORTAC	H	278.33	274.33	77.86	77.86		8000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RSW	VORTAC	R-183	39	18000	45000
DHP	VORTAC	R-278	78	8000	14600

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W		WP	280.00	100.00	L		10	11000	37000	15	27

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (12-000212)	260311.32N/0814210.40W	534	1A

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

## REMARKS:

LEE COUNTY (FAC 1) AND DOLPHIN (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GLADZ (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	GLADZ (RNAV)			KMIA	MIAMI	FL (US)
DP	GLADZ (RNAV)			KOPF	MIAMI	FL (US)
EN ROUTE	A509	1, 2				(US)
EN ROUTE	M580	1, 2				(US)
EN ROUTE	V225	1, 2				(US)
EN ROUTE	Y240	1, 2				(US)
STAR	TEEKY (RNAV)		1	KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)		1	KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)		1	KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)		1	X51	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)		1	07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)		1	KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)		1	KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)		1	KMIA	MIAMI	FL (US)
STAR	CUURT (RNAV)		1	KOPF	MIAMI	FL (US)
STAR	FROGZ (RNAV)		1	KTMB	MIAMI	FL (US)
STAR	TEEKY (RNAV)		1	KPMP	POMPAÑO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.  
2. CHANGED FAC 1 CLASS FROM L TO H.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

Digitally signed by  
ROBERT G HAMILTON

SIGNATURE:

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MATNY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263149.04N/0820427.61W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	326.95	146.95	R		10	11000	37000	15	27

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-002646)	263725.31N/0820653.41W	502	1A

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	FROGZ (RNAV)		1	KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)		1	X51	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)		1	07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)		1	KMIA	MIAMI	FL (US)
STAR	FROGZ (RNAV)		1	KTMB	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: NICKI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 291520.19N/0832031.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q81					(US)
STAR	VUUDU (RNAV)			KBCT	BOCA RATON	FL (US)
STAR	TEEKY (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			X51	HOMESTEAD	FL (US)
STAR	VUUDU (RNAV)			06FA	JUPITER	FL (US)
STAR	FROGZ (RNAV)			07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)			KMIA	MIAMI	FL (US)
STAR	CUURT (RNAV)			KOPF	MIAMI	FL (US)
STAR	FROGZ (RNAV)			KTMB	MIAMI	FL (US)
STAR	TEEKY (RNAV)			KPMP	POMPANO BEACH	FL (US)
STAR	VUUDU (RNAV)			KSUA	STUART	FL (US)
STAR	VUUDU (RNAV)			F45	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)			KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PIKKR

STATE: OG

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 265624.43N/0824125.28W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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	NW		WP	328.19	148.19	R	8	11000	15000	11	16

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	SHIP	265624.43N/0824125.28W	295	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q81					(US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	PIKKR (RNAV)		1	KMKY	MARCO ISLAND	FL (US)
STAR	PIKKR (RNAV)		1	KAPF	NAPLES	FL (US)
STAR	PIKKR (RNAV)		1	KFA54	PLACIDA	FL (US)
STAR	PIKKR (RNAV)		1	KPGD	PUNTA GORDA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SABEE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 270516.20N/0821129.33W

TYPE: WP, 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	LEE COUNTY	RSW	VORTAC	VL	328.33	326.33	40.15	40.15	2000	17500
2	ST PETERSBURG	PIE	VORTAC	H	156.70	151.70	55.66	55.66	2000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RSW	VORTAC	R-328	41	2000	17500
PIE	VORTAC	R-157	56	2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

LEE COUNTY (FAC 1) AND ST PETERSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GANDY (RNAV)			KTPA	TAMPA	FL (US)
EN ROUTE	V35	1, 2				(US)
IAP	RNAV (GPS) RWY 32			KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	VUUDU (RNAV)			KBCT	BOCA RATON	FL (US)
STAR	TEEKY (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			X51	HOMESTEAD	FL (US)
STAR	VUUDU (RNAV)			06FA	JUPITER	FL (US)
STAR	FROGZ (RNAV)			07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)			KMIA	MIAMI	FL (US)
STAR	CUURT (RNAV)			KOPF	MIAMI	FL (US)
STAR	FROGZ (RNAV)			KTMB	MIAMI	FL (US)
STAR	TEEKY (RNAV)			KPMP	POMPANO BEACH	FL (US)
STAR	VUUDU (RNAV)			KSUA	STUART	FL (US)
STAR	VUUDU (RNAV)			F45	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)			KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.
2. CHANGED FAC 1 CLASS FROM L TO VL.
3. REMARKS UPDATE: ADDED LEE COUNTY (FAC 1) AND ST PETERSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SHAQQ

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 255746.00N/0833030.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

### USE TYPE

DP  
DP  
DP  
OTHER

### USE TITLE

GLADZ (RNAV)  
GLADZ (RNAV)  
GLADZ (RNAV)  
SPECIAL USE AIRSPACE  
AVOIDANCE  
KRAKN (RNAV)  
KRAKN (RNAV)

### FAC

### PAT

### AIRPORT IDENT

KFLL  
KMIA  
KOPF

### CITY

FORT LAUDERDALE  
MIAMI  
MIAMI

### STATE

FL (US)  
FL (US)  
FL (US)  
(US)

STAR  
STAR

KEYW  
KNQX

KEY WEST  
KEY WEST

FL (US)  
FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW AND KNQX.
2. ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: SKINT

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 242742.91N/0815052.68W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE  
KRAKN (RNAV)

FAC

PAT

AIRPORT IDENT  
KEYW

CITY  
KEY WEST

STATE  
FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/05/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SNAPY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 294851.17N/0834223.61W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q81					(US)
STAR	VUUDU (RNAV)			KBCT	BOCA RATON	FL (US)
STAR	TEEKY (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	TEEKY (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	FROGZ (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FROGZ (RNAV)			X51	HOMESTEAD	FL (US)
STAR	VUUDU (RNAV)			06FA	JUPITER	FL (US)
STAR	FROGZ (RNAV)			07FA	KEY LARGO	FL (US)
STAR	KRAKN (RNAV)			KEYW	KEY WEST	FL (US)
STAR	KRAKN (RNAV)			KNQX	KEY WEST	FL (US)
STAR	FROGZ (RNAV)			KMIA	MIAMI	FL (US)
STAR	CUURT (RNAV)			KOPF	MIAMI	FL (US)
STAR	FROGZ (RNAV)			KTMB	MIAMI	FL (US)
STAR	TEEKY (RNAV)			KPMP	POMPANO BEACH	FL (US)
STAR	VUUDU (RNAV)			KSUA	STUART	FL (US)
STAR	VUUDU (RNAV)			F45	WEST PALM BEACH	FL (US)
STAR	VUUDU (RNAV)			KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED STAR KRAKN (RNAV) AT KEYW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: STING

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 245253.72N/0814746.65W

TYPE: 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	KEY WEST	EYW	VORTAC	VH	359.74	000.74	17.69	17.69		1500	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V225	1		KEYW	KEY WEST	(US)
STAR	KRAKN (RNAV)					FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 09/05/2024

## REASON FOR REVISION:

1. FIX USE UPDATE: ADDED KRAKN (RNAV) AT KEYW. ADDED V225 TO EN ROUTE TITLE. REMOVED KEYW RNAV (GPS) RWY 9 FROM FIX USE.
2. REQUIRED CHARTING UPDATE: ADDED STAR/SECTIONAL/CONTROLLER LOW TO REQUIRED CHARTING. REMOVED IAP.
3. FIX MAKE-UP FACILITIES: FAC 1 UPDATE/ADDED 17.69 NM TO "DIST FROM FAC". FAC 1 CLASS CHANGED FROM H TO VH. FAC 1 MAA CHANGED FROM 17500 TO 45000. REMOVED FAC 2.
4. REMOVED INT FROM FIX TYPE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 09/05/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 03, 2024

QUALITY  
14  
CHECKED