

# RADIO FIX AND HOLDING DATA RECORD

NAME: BUYAS

STATE: OA

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 255122.52N/0793840.53W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

STAR KYAKS (RNAV)  
STAR OLAHS (RNAV)  
STAR KYAKS (RNAV)  
STAR OLAHS (RNAV)

KFXE  
KFXE  
KPMP  
KPMP

FORT LAUDERDALE  
FORT LAUDERDALE  
POMPANO BEACH  
POMPANO BEACH

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

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/12/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 12/29/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Mar 10, 2022

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FRRDY STATE: FL COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 255957.26N/0802824.83W 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	DOLPHIN	DHP	VORTAC	H	334.55	330.55	13.69	13.69	3000	17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## 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	W		WP	276.23	096.23	R	4	2000	6000	4	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	260300.00N/0802630.00W	214	4E

## 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
EN ROUTE	V157	1				(US)
EN ROUTE	V511	1				(US)
EN ROUTE	V599	1				(US)
IAP	RNAV (GPS) RWY 10R		1	KHWO	HOLLYWOOD	FL (US)
IAP	RNAV (GPS) RWY 28R		1	KHWO	HOLLYWOOD	FL (US)
STAR	KYAKS (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	KYAKS (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	WAVUN (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	KYAKS (RNAV)			KOPF	MIAMI	FL (US)
STAR	OLAHS (RNAV)			KOPF	MIAMI	FL (US)
STAR	WAVUN (RNAV)			KOPF	MIAMI	FL (US)
STAR	WAVUN (RNAV)			KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 05/19/2022

## REASON FOR REVISION:

UPDATED FIX USE: ADDED KYAKS (RNAV) STAR AT KFLL, KHWO, AND KOPF.  
 UPDATED FIX USE: ADDED OLAHS (RNAV) STAR AT KOPF.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 12/09/2021

OFFICE: AVJ-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ALLAN WILL

Mar 10, 2022



# RADIO FIX AND HOLDING DATA RECORD

NAME: GYOZA

STATE: OA

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253940.53N/0785010.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)

KFLL FORT LAUDERDALE  
KFEX FORT LAUDERDALE  
KHWO HOLLYWOOD  
KOPF MIAMI  
KPMP POMPANO BEACH

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

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/12/2021

**REASON FOR REVISION:**

6/28/21. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 5/12/21.  
1. CHANGED STATE FROM FL TO OA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 12/29/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

**ALLAN WILL**

Mar 10, 2022



# RADIO FIX AND HOLDING DATA RECORD

NAME: JEKER STATE: OA COUNTRY: US ICAO REGION CODE: K  
 LATITUDE/LONGITUDE: 254220.99N/0790249.77W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING: HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES		
PAT	DIR								MIN	MAX	
1	E		WP	109.15	289.15	L	10	7000	9000	15	15
2	E		WP	109.34	289.34	L	10	14000	23000	15	20

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	SHIP	254136.00N/0791445.00W	250	2C
2	230	SHIP	254136.00N/0791445.00W	250	2C

REASON FOR NONSTANDARD HOLDING:  
 PAT 1 ATC REQUEST.  
 PAT 2 ATC REQUEST.

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
STAR		KYAKS (RNAV)		1	KFLL	FORT LAUDERDALE	FL (US)
STAR		OLAHS (RNAV)		2	KFLL	FORT LAUDERDALE	FL (US)
STAR		KYAKS (RNAV)		1	KFXE	FORT LAUDERDALE	FL (US)
STAR		OLAHS (RNAV)		2	KFXE	FORT LAUDERDALE	FL (US)
STAR		KYAKS (RNAV)		1	KHWO	HOLLYWOOD	FL (US)
STAR		KYAKS (RNAV)		1	KOPF	MIAMI	FL (US)
STAR		OLAHS (RNAV)		2	KOPF	MIAMI	FL (US)
STAR		KYAKS (RNAV)		1	KPMP	POMPANO BEACH	FL (US)
STAR		OLAHS (RNAV)		2	KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 05/19/2022

REASON FOR REVISION:  
 ADDED PAT 1 AND 2 HOLDING.  
 ADDED FIX RESTRICTION NOTE: HOLDING LIMITED TO ESTABLISHED PATTERN(S).  
 ADDED REASON FOR NONSTANDARD HOLDING: PAT 1 AND 2 ATC REQUEST.  
 ADDED ENROUTE/CONTROLLER HIGH TO REQUIRED CHARTING.

04/09/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/10/22.  
 1. ADDED ENROUTE/CONTROLLER HIGH TO REQUIRED CHARTING.

INITIATED BY: DATE: ORGANIZATION: NAME:  
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: TOMMY BYRNS  
 APPROVED BY: DATE: 12/02/2021 OFFICE: AJV-A420 NAME: MARLON ROBINSON  
 SIGNATURE: *Digitally signed by*  
**JASON KRETSCHMER**  
 Apr 09, 2022

QUALITY  
 47  
 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KYAKS

STATE: OA

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 255119.01N/0793746.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE		WP	115.62	295.62	L		10	4000	4000	15	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	SHIP	253921.00N/0791830.00W	250	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	KYAKS (RNAV)		1	KFLL	FORT LAUDERDALE	FL (US)
STAR	KYAKS (RNAV)		1	KFXE	FORT LAUDERDALE	FL (US)
STAR	KYAKS (RNAV)		1	KHWO	HOLLYWOOD	FL (US)
STAR	KYAKS (RNAV)		1	KOPF	MIAMI	FL (US)
STAR	KYAKS (RNAV)		1	KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

FIX MOVED 13.69 NM NW.  
 ADDED PAT 1 HOLDING AND ASSOCIATED DATA.  
 ADDED FIX RESTRICTION NOTE: HOLDING LIMITED TO ESTABLISHED PATTERN.  
 ADDED REASON FOR NONSTANDARD HOLDING NOTE: PAT 1 ATC REQUEST.  
 ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ALLAN WILL

Mar 10, 2022



# RADIO FIX AND HOLDING DATA RECORD

NAME: LORDS

STATE: OA

COUNTRY: US

ICAO REGION CODE: \*

LATITUDE/LONGITUDE: 261024.71N/0794138.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

STAR	KYAKS (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	KYAKS (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	OLAHS (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	KYAKS (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	KYAKS (RNAV)			KOPF	MIAMI	FL (US)
STAR	KYAKS (RNAV)			KPMP	POMPANO BEACH	FL (US)
STAR	OLAHS (RNAV)			KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/19/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

**ALLAN WILL**

Mar 10, 2022

QUALITY  
16  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** OLAHS **STATE:** OA **COUNTRY:** US **ICAO REGION CODE:** K

**LATITUDE/LONGITUDE:** 255021.16N/0793558.06W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

**FIX RESTRICTIONS:**  
HOLDING LIMITED TO ESTABLISHED PATTERN.

**HOLDING:** **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	SE		WP	118.09	298.09	L		10	5000	18000	15	17

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	SHIP	254145.00N/0791445.00W	250	2C

**REASON FOR NONSTANDARD HOLDING:**  
PAT 1 ATC REQUEST.

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OLAHS (RNAV)		1	KFLL	FORT LAUDERDALE	FL (US)
STAR	OLAHS (RNAV)		1	KFXE	FORT LAUDERDALE	FL (US)
STAR	OLAHS (RNAV)		1	KOPF	MIAMI	FL (US)
STAR	OLAHS (RNAV)		1	KPMP	POMPANO BEACH	FL (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 05/19/2022

**REASON FOR REVISION:**  
FIX RELOCATED 6.24 NM NW.  
ADDED PAT 1 HOLDING AND ASSOCIATED DATA.  
ADDED FIX RESTRICTION NOTE: HOLDING LIMITED TO ESTABLISHED PATTERN.  
ADDED REASON FOR NONSTANDARD HOLDING: PAT 1 ATC REQUEST.  
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
UPDATED FIX USE: REMOVED KYAKS (RNAV) STAR AND ALL ASSOCIATED AIRPORTS.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A423	<b>NAME:</b> TOMMY BYRNS
<b>APPROVED BY:</b>	<b>DATE:</b> 12/03/2021	<b>OFFICE:</b> AJV-A420	<b>NAME:</b> MARLON ROBINSON
<b>SIGNATURE:</b>	Digitally signed by <b>ALLAN WILL</b> Mar 10, 2022		



# RADIO FIX AND HOLDING DATA RECORD

NAME: SWABS

STATE: OA

COUNTRY: US

ICAO REGION CODE: \*

LATITUDE/LONGITUDE: 254642.97N/0792328.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)  
STAR KYAKS (RNAV)

KFLL FORT LAUDERDALE  
KFXE FORT LAUDERDALE  
KHWO HOLLYWOOD  
KOPF MIAMI  
KPMP POMPANO BEACH

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

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/19/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*  
**ALLAN WILL**  
Mar 10, 2022

QUALITY  
16  
CHECKED