

# RADIO FIX AND HOLDING DATA RECORD

NAME: AGLER

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 254820.40N/0801050.40W

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 NM	FAC FEET	MRA	MAA
1	MIAMI	I-VIN	LOC/DME		092.39	087.39	6.69	6.68	40565	1600	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME COORDINATES: 254805.81N/0801814.94W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26L	1		KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 26L			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 26L			KMIA	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX MOVED 3.52 FT NW.
2. TYPE: DELETED INT.
3. FIX MAKE-UP: DELETED FAC 2, VKZ.
4. FIX USE: DELETED FAC 2 FROM ILS OR LOC RWY 26L; CHANGED "RNAV (GPS) Z RWY 26L" TO "RNAV (GPS) Y RWY 26L" AND "RNAV (RNP) Y RWY 26L" TO "RNAV (RNP) Z RWY 26L"
5. REMARKS: DELETED "8260.58, VOL 5, CALCULATOR 1-15B USED TO ESTABLISH FIX COORDINATES", "IPDS COORDINATES: 254820.372N/0801850.377W"; DELETED "LOC" FROM DME COORDINATES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: SHANE FOWLER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: MIA APP CON  
OTHER: MIA ATCT

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BASHO **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 254832.70N/0800542.48W **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 NM	FAC FEET	MRA	MAA
1	MIAMI	I-VIN	LOC/DME		092.39	087.39	11.33	11.31		3000	4500

**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

**REMARKS:**

DME COORDINATES: 254805.81N/0801814.94W

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26L	1		KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 26L			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 26L			KMIA	MIAMI	FL (US)
STAR	CSTAL (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	CSTAL (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	CSTAL (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	CSTAL (RNAV)			KMIA	MIAMI	FL (US)
STAR	SLFSH (RNAV)			KMIA	MIAMI	FL (US)
STAR	CSTAL (RNAV)			KTMB	MIAMI	FL (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 8

**DATE OF REVISION:** 08/12/2021

**REASON FOR REVISION:**

1. FIX MOVED 0.23 NM EAST.
2. TYPE: DELETED INT.
3. FIX MAKE-UP: CHANGED FAC 1 DME AND DIST FROM FAC NM FROM 11.10/11.08 TO 11.33/11.31; DELETED FAC 2, VKZ.
4. FIX USE: DELETED FAC 2 FROM ILS OR LOC RWY 26L; CHANGED "RNAV (GPS) Z RWY 26L" TO "RNAV (GPS) Y RWY 26L" AND "RNAV(RNP) Y RWY 26L" TO "RNAV (RNP) Z RWY 26L"; ADDED CSTAL (RNAV) STAR TO KHST, KX51, K07FA, KMIA AND KTMB; ADDED SLFSH (RNAV) STAR TO KMIA.
5. REMARKS: DELETED "IPDS COORDINATES: 254832.129N/0800557.541W"; DELETED "FAC 1" FROM DME COORDINATES; DELETED "MIAMI (FAC 1) USED TO ESTABLISH FIX COORDINATES".
6. REQUIRED CHARTING: ADDED STAR, EN ROUTE LOW/HIGH AND CONTROLLER LOW/HIGH.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A423 **NAME:** SHANE FOWLER

**APPROVED BY:** **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: MIA APP CON  
OTHER: MIA ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRBRA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 255802.23N/0802710.87W

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	334.68	330.68	11.48	11.48	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	NW	DHP	VORTAC	334.68	154.68	R	1	2000 10000	4 12
2	NW		WP	335.68	155.68	R	4	2000 10000	4 13
3	NW		WP	334.00	154.00	R	4	2000 10000	4 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	260033.00N/0803430.00W	214	4E
1	310	TOWER (12-002435)	255128.00N/0802851.00W	372	5D
2	200	AAO	260057.00N/0803557.00W	214	4E
2	310	TOWER (12-002435)	255128.00N/0802851.00W	372	5D
3	200	AAO	260200.00N/0802530.00W	214	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 26L	KMIA	MIAMI	FL (US)
1	LOC RWY 26R	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 27	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Z RWY 26L	KMIA	MIAMI	FL (US)
2	RNAV (GPS) Y RWY 26L	KMIA	MIAMI	FL (US)
2	RNAV (GPS) RWY 26R	KMIA	MIAMI	FL (US)
2	RNAV (GPS) Y RWY 27	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Z RWY 27	KMIA	MIAMI	FL (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HEDLY (RNAV)			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 12 (ALTERNATE MISSED APP)	1	1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 26L	1	1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27	1	1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 30	1	1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 8R	1	1	KMIA	MIAMI	FL (US)
IAP	LOC RWY 26R	1	1	KMIA	MIAMI	FL (US)
IAP	LOC RWY 8L	1	1	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 26R		2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 8L		2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 26L		2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 27		2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Z RWY 30		2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 30		2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 26L		2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 27		2	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27R	1	1	KOPF	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27R		3	KOPF	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9		3	KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 08/12/2021

REASON FOR REVISION:

1. PATTERNS: CHANGED PAT 1 LEG LENGTH TIME FROM 1-1 1/2 TO 1 AND MAX TEMPLATE FROM 9 TO 12; CHANGED PAT 2 MAX TEMPLATE FROM 10 TO 13.
2. CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 AND 2 200 AIRSPEED COORDINATES; ADDED PAT 1 AND 2 310 AIRSPEED CONTROLLERS.
3. PROCEDURES REQUIRING CLIMB-IN-HOLD: ADDED THE FOLLOWING TO KMIA: ILS OR LOC RWY 26L, ILS OR LOC RWY 27, LOC RWY 26R, RNAV (RNP) Z RWY 26L, RNAV (GPS) Y RWY 26L, RNAV (GPS) RWY 26R, RNAV (GPS) Y RWY 27 AND RNAV (RNP) Z RWY 27.
4. FIX USE: ADDED KMIA ILS OR LOC RWY 27; CHANGED THE FOLLOWING KMIA PROCEDURE NAMES: "RNAV (GPS) Z RWY 26L" TO "RNAV (GPS) Y RWY 26L", "RNAV (RNP) Y RWY 26L" TO "RNAV (RNP) Z RWY 26L", "RNAV (RNP) Y RWY 27" TO "RNAV (RNP) Z RWY 27", "RNAV (GPS) Z RWY 27" TO "RNAV (GPS) Y RWY 27", "LOC/DME RWY 8L" TO "LOC RWY 8L" AND "LOC/DME RWY 26R" TO "LOC RWY 26R".

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A423                      **NAME:** SHANE FOWLER

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-A420                      **NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
                             **FPO: EST**  
                             **ARTCC: ZMA**  
                             **ATC FACILITY:** MIA APP CON, MIA TOWER  
                             **OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: CIDUN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 254841.22N/0800208.58W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	MIAMI	I-VIN	LOC/DME		092.39	087.39	14.55	14.53		4000	4500

## REMARKS:

DME COORDINATES: 254805.81N/0801814.94W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26L	1		KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 26L			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 26L			KMIA	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/12/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: SHANE FOWLER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: MIA APP CON  
OTHER: MIA ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: TUBBZ

STATE: OA

COUNTRY: US

ICAO REGION CODE: \*

LATITUDE/LONGITUDE: 254535.10N/0795237.02W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

**FIX USE:  
USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP	ILS OR LOC RWY 26L			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27			KMIA	MIAMI	FL (US)
IAP	LOC RWY 26R			KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 26R			KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 26L			KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 27			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 26L			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 27			KMIA	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 08/12/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: SHANE FOWLER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: MIA APP CON  
OTHER: MIA ATCT

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZILBI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 254850.22N/0795817.46W

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	FEET	MRA	MAA
1	MIAMI	I-VIN	LOC/DME		092.39	087.39	18.03	18.01		5000	6500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-VIN	LOC/DME	R-092	19	5000	6500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME COORDINATES: 254805.81N/0801814.94W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26L	1		KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Y RWY 26L			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Z RWY 26L			KMIA	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 08/12/2021

## REASON FOR REVISION:

1. FIX MOVED 1.15 NM EAST. **FIX NAME RETAINED FOR ATC OPERATIONAL REQUIREMENTS.**
2. TYPE: DELETED INT.
3. FIX MAKE-UP: CHANGED FAC 1 DME AND DIST FROM FAC NM FROM 16.87/16.86 TO 18.03/18.01. CHANGED MRA/MAA FROM 3000/4500 TO 5000/6500; DELETED FAC 2, VKZ.
4. FIX USE: DELETED FAC 2 FROM ILS OR LOC RWY 26L; CHANGED "RNAV (GPS) Z RWY 26L" TO "RNAV (GPS) Y RWY 26L" AND "RNAV (RNP) Y RWY 26L" TO "RNAV (RNP) Z RWY 26L"
5. REMARKS: DELETED "FAC 1" FROM DME COORDINATES; DELETED "MIAMI (FAC 1) USED TO ESTABLISH FIX COORDINATES".
6. ADDED ESV FOR I-VIN.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: SHANE FOWLER

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZMA  
ATC FACILITY: MIA APP CON  
OTHER: MIA ATCT