

RADIO FIX AND HOLDING DATA RECORD

NAME: CACSA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253910.67N/0801159.90W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) RWY 28

RNAV (GPS) RWY 27L

FAC

PAT

AIRPORT IDENT

X51

TMB

CITY

HOMESTEAD

MIAMI

STATE

FL (US)

FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

ADDED HOLDING TYPE OF ACTION.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 02/25/2011

OFFICE: AVN-110

NAME: STEVE BRUMMETT

APPROVED BY:

DATE: 02/06/2013

OFFICE: AVN-110

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: MIA APP CON, TMB TOWER

OTHER:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAXAM

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253803.98N/0803812.22W

TYPE: WP, INT

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-TMB	LOC		273.31	267.31		11.90	2100	6000
2	DOLPHIN	DHP	VORTAC	VH	241.64	237.64		18.47	2100	6000

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	W		WP	273.23	093.23	L	4	2000 6000	4 6
2	W	I-TMB	LOC	273.31	093.31	L	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	253724.00N/0804027.00W	210	4B
2	200	AAO	253724.00N/0804027.00W	210	4B

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
IAP	ILS OR LOC RWY 9R	1, 2	2	TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27L		1	TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R		1	TMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX TYPE: ADDED INT.
2. FIX MAKE-UP FACILITIES: ADDED MIAMI (I-TMB) LOC AND DOLPHIN (DHP) VORTAC.
3. ADDED HOLDING PATTERN 2, REASON FOR NONSTANDARD HOLDING AND CONTROLLING OBSTACLE.
4. UPDATED HOLDING PATTERN 1 CONTROLLING OBSTRUCTION FROM 219 AAO 253738.58N/0803841.78W (4E) TO 210 AAO 253724.00N/0804027.00W (4B).
5. FIX USE: ADDED ILS OR LOC RWY 09R AT TMB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUVLY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253944.61N/0800819.67W

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	DOLPHIN	DHP	VORTAC	VH	129.80	125.80	14.05	14.05	2000	45000
2	VIRGINIA KEY	VKZ	VOR/DME	VH	175.00	171.00		5.42	2000	45000

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	SE	DHP	VORTAC	129.80	309.80	R	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002777)	254018.00N/0800925.90W	326	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

DOLPHIN (FAC 1) AND VIRGINIA KEY (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	BR49V	1, 2				FL (US)
IAP	RNAV (GPS) RWY 28			X51	HOMESTEAD	FL (US)
IAP	ILS OR LOC RWY 9R	1, 2	1	TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27L			TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27R			TMB	MIAMI	FL (US)
STAR	FOWEE	1, 2		HST	HOMESTEAD	FL (US)
STAR	FOWEE	1, 2		X51	HOMESTEAD	FL (US)
STAR	FOWEE	1, 2		07FA	KEY LARGO	FL (US)
STAR	FOWEE	1, 2		MIA	MIAMI	FL (US)
STAR	FOWEE	1, 2		TMB	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. UPDATED HOLDING PATTERN 1 OBSTACLE COORDINATES FROM 254018.00N/0800928.00W TO 254018.00N/0800925.90W, ELEVATION FROM 323 TO 326 AND ACCURACY CODE FROM 5D TO 2C.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
39
CHECKED