

RADIO FIX AND HOLDING DATA RECORD

NAME: ALNZO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 262903.83N/0803352.71W

TYPE: WP, INT, 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	DOLPHIN	DHP	VORTAC	VH	348.18	344.18	42.57	42.57	3000	17500
2	PALM BEACH	PBI	VORTAC	VH	248.64	245.64	28.26	28.26	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-348	43	3000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT LAUDERDALE	1, 2		KFLL	FORT LAUDERDALE	FL (US)
DP	FRSBE (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFXE	FORT LAUDERDALE	FL (US)
DP	FRSBE (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	FLMGO (RNAV)			KHST	HOMESTEAD	FL (US)
DP	FLMGO (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	FLMGO (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	FLMGO (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	FLMGO (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)
DP	FORT LAUDERDALE	1, 2		KPMP	POMPANO BEACH	FL (US)
DP	FRSBE (RNAV)			KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 AND 2 CLASS FROM H TO VH.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ALTNN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264224.34N/0801615.27W

TYPE: WP, INT, 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	FORT LAUDERDALE	FLL	VOR/DME	VH	357.57	351.57	38.27	38.27	2600	17500
2	PALM BEACH	PBI	VORTAC	VH	282.20	279.20		10.04	2600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FORT LAUDERDALE (FAC 1) AND PALM BEACH (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	ALTNN (RNAV)			KHST	HOMESTEAD	FL (US)
DP	ALTNN (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	ALTNN (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	ALTNN (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	ALTNN (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 AND 2 CLASS FROM H TO VH.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: BEECH

STATE:

COUNTRY: QS

ICAO REGION CODE: MY

LATITUDE/LONGITUDE: 255830.37N/0792303.15W

TYPE: WP, INT, 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	MRA	MAA
1	FORT LAUDERDALE	FLL	VOR/DME	VH	103.79	097.79	42.69	42.69	3000	45000
2	BIMINI	ZBV	VOR/DME	H	347.20	343.20	16.95	16.95	3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FLL	VOR/DME	R-104	43	3000	5100

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FORT LAUDERDALE (FAC 1) AND BIMINI (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT LAUDERDALE	1, 2		KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)
DP	FORT LAUDERDALE	1, 2		KPMP	POMPANO BEACH	FL (US)
EN ROUTE	BR55V	1, 2				(QS)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 2 MAG BRG/TRUE BRG FROM 347.33/343.33 TO 347.20/343.20, DME FROM 16.92 TO 16.95 AND DIST FROM FAC NM FROM 16.92 TO 16.95.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BNGOS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263043.52N/0810502.41W

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	FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	321.20	317.20	58.22	58.22		2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-321	59	2000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1		KHWO	HOLLYWOOD	FL (US)
DP	BNGOS (RNAV)			KHST	HOMESTEAD	FL (US)
DP	BNGOS (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	BNGOS (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1		KMIA	MIAMI	FL (US)
DP	BNGOS (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1		KOPF	MIAMI	FL (US)
DP	BNGOS (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: BOGY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263050.13N/0802201.48W

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	DOLPHIN	DHP	VORTAC	VH	002.70	358.70	42.72	42.72	3000	17500
2	PALM BEACH	PBI	VORTAC	VH	239.69	236.69	18.07	18.07	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-003	43	3000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DORRL (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFLL	FORT LAUDERDALE	FL (US)
DP	DORRL (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	DORRL (RNAV)			KHST	HOMESTEAD	FL (US)
DP	DORRL (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	DORRL (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	DORRL (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	DORRL (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)
DP	DORRL (RNAV)			KPMP	POMPANO BEACH	FL (US)
DP	FORT LAUDERDALE	1, 2		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DORRL

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264153.97N/0802218.39W

TYPE: WP, INT, 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	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	002.70	358.70	53.76	53.76	4000	17500
2	PALM BEACH	PBI	VORTAC	VH	277.14	274.14	15.37	15.37	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-003	54	4000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DORRL (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFLL	FORT LAUDERDALE	FL (US)
DP	DORRL (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	DORRL (RNAV)			KHST	HOMESTEAD	FL (US)
DP	DORRL (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	DORRL (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	DORRL (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	DORRL (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAM	1, 2		KTNT	MIAMI	FL (US)
DP	DORRL (RNAV)			KPMP	POMPANO BEACH	FL (US)
DP	FORT LAUDERDALE	1, 2		KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 AND 2 CLASS FROM H TO VH.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FLMGO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 265441.09N/0804201.87W

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 FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	348.18	344.18	69.14	69.14	3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-348	70	3000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1		KHWO	HOLLYWOOD	FL (US)
DP	FLMGO (RNAV)			KHST	HOMESTEAD	FL (US)
DP	FLMGO (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	FLMGO (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1		KMIA	MIAMI	FL (US)
DP	FLMGO (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1		KOPF	MIAMI	FL (US)
DP	FLMGO (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: FOLZZ

STATE: OA

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 261720.31N/0792056.75W

TYPE: WP, 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	DOLPHIN	DHP	VORTAC	VH	065.35	061.35	61.45	61.45	1700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-065	62	1700	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1		HWO	HOLLYWOOD	FL (US)
DP	FOLZZ (RNAV)			HST	HOMESTEAD	FL (US)
DP	FOLZZ (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	FOLZZ (RNAV)			MIA	MIAMI	FL (US)
DP	MIAMI	1		MIA	MIAMI	FL (US)
DP	FOLZZ (RNAV)			OPF	MIAMI	FL (US)
DP	MIAMI	1		OPF	MIAMI	FL (US)
DP	FOLZZ (RNAV)			TMB	MIAMI	FL (US)
DP	MIAMI	1		TMB	MIAMI	FL (US)
DP	MIAMI	1		TNT	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 2 CLASS FROM H TO VH.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

06/16/2026: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 11/21/2025.

FIX MAKE-UP FACILITIES: REMOVED FAC 1 FREEPORT (ZFP); CHANGED DOLPHIN (DHP) FROM FAC 2 TO FAC 1.

REMARKS: REMOVED FREEPORT (FAC 1) AND DOLPHIN (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE: REMOVED FAC 2 FROM DP MIAMI AT KHWO, X51, KMIA, KOPF, KTMB, KTNT.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: NAME:

APPROVED BY: DATE: OFFICE: NAME:

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: GWAVA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 251559.78N/0795755.47W

TYPE: WP, INT, 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	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	150.79	146.79	38.10	38.10	1700	17500
2	BIMINI	ZBV	VOR/DME	H	238.50	234.50		44.88	1700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ZBV	VOR/DME	R-238	45	1700	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

DOLPHIN (FAC 1) AND BIMINI (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	GWAVA (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	NNOCE (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: FAC 2 UPDATED MAG BRG/TRUE BRG FROM 238.45/234.45 TO 238.50/234.50 AND DIST FROM FAC NM FROM 44.86 TO 44.88.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HURCN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263029.42N/0805050.22W

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	FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	331.70	327.70	50.18	50.18		3000	14500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-332	51	3000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1		KHWO	HOLLYWOOD	FL (US)
DP	HURCN (RNAV)			KHST	HOMESTEAD	FL (US)
DP	HURCN (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	HURCN (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1		KMIA	MIAMI	FL (US)
DP	HURCN (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1		KOPF	MIAMI	FL (US)
DP	HURCN (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: KETLL

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 252724.17N/0791729.04W

TYPE: INT, 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	VIRGINIA KEY	VKZ	VOR/DME	VH	114.48	110.48	50.03	50.03	2100	17500
2	BIMINI	ZBV	VOR/DME	H	183.53	179.53		14.80	2100	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VKZ	VOR/DME	R-114	51	2100	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 2 MAG BRG/TRUE BRG FROM 183.36/179.36 TO 183.53/179.53

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: KLADA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253550.12N/0794159.73W

TYPE: WP, 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	VIRGINIA KEY	VKZ	VOR/DME	VH	114.48	110.48	26.32	26.32		2100	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1		HWO	HOLLYWOOD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	KLADA (RNAV)			MIA	MIAMI	FL (US)
DP	MIAMI	1		MIA	MIAMI	FL (US)
DP	MIAMI	1		OPF	MIAMI	FL (US)
DP	MIAMI	1		TMB	MIAMI	FL (US)
DP	MIAMI	1		TNT	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 CLASS FROM H TO VH.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

06/16/2026: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 11/21/2025.

TYPE: REMOVED INT.

FIX MAKE-UP FACILITIES: REMOVED FAC 2 FREEPORT (ZFP).

REMARKS: REMOVED VIRGINIA KEY (FAC 1) AND FREEPORT (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE: REMOVE FAC 2 FROM DP MIAMI AT KHOW, X51, KMIA, KOPF, KTMB, AND KTNT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MAYNR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 244911.40N/0803434.04W

TYPE: WP, 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	DOLPHIN	DHP	VORTAC	VH	195.94	191.94	59.91	59.91	2900	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-196	60	2900	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT LAUDERDALE	1		KFLL	FORT LAUDERDALE	FL (US)
DP	MAYNR (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1		KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1		KHWO	HOLLYWOOD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	MAYNR (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1		KMIA	MIAMI	FL (US)
DP	MIAMI	1		KOPF	MIAMI	FL (US)
DP	MIAMI	1		KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTNT	MIAMI	FL (US)
DP	FORT LAUDERDALE	1		KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 CLASS FROM H TO VH.
FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: MRENO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 262145.03N/0805537.06W

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	FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	321.27	317.27	45.90	45.90		1300	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-321	46	1300	14500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BNICE (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	BNICE (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1		KHWO	HOLLYWOOD	FL (US)
DP	BNGOS (RNAV)			KHST	HOMESTEAD	FL (US)
DP	BNGOS (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	BNGOS (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1		KMIA	MIAMI	FL (US)
DP	BNGOS (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1		KOPF	MIAMI	FL (US)
DP	BNGOS (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTMB	MIAMI	FL (US)
DP	MIAMI	1		KTNT	MIAMI	FL (US)
DP	BNICE (RNAV)			KPMP	POMPANO BEACH	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: PERTS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263342.48N/0801448.44W

TYPE: WP, INT, 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	FORT LAUDERDALE	FLL	VOR/DME	VH	357.58	351.58	29.50	29.50		2600	17500
2	PALM BEACH	PBI	VORTAC	VH	233.66	230.66		11.15		2600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	AGERS (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE	1, 2		KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1, 2		KHWO	HOLLYWOOD	FL (US)
DP	ALTNN (RNAV)			KHST	HOMESTEAD	FL (US)
DP	ALTNN (RNAV)			X51	HOMESTEAD	FL (US)
DP	MIAMI	1, 2		X51	HOMESTEAD	FL (US)
DP	ALTNN (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	ALTNN (RNAV)			KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	ALTNN (RNAV)			KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
DP	MIAMI	1, 2		KTNT	MIAMI	FL (US)
DP	FORT LAUDERDALE	1, 2		KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 AND 2 CLASS FROM H TO VH; UPDATED FAC 1 DME FROM 29.51 TO 29.50 AND DIST FROM FAC NM FROM 29.51 TO 29.50..

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TALKY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 261003.82N/0793549.29W

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	FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	065.42	061.42	46.23	46.23		1700	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-065	47	1700	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1		HWO	HOLLYWOOD	FL (US)
DP	MIAMI	1		X51	HOMESTEAD	FL (US)
DP	MIAMI	1		MIA	MIAMI	FL (US)
DP	MIAMI	1		OPF	MIAMI	FL (US)
DP	MIAMI	1		TMB	MIAMI	FL (US)
DP	MIAMI	1		TNT	MIAMI	FL (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: UPDATED FAC 1 CLASS FROM H TO VH.

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

06/16/2026: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 11/21/2025.

TYPE: REMOVED INT.

FIX MAKE-UP FACILITIES: REMOVED FAC 2 FREEPORT (ZFP).

REMARKS: REMOVED DOLPHIN (FAC 1) AND FREEPORT (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE: REMOVE FAC 2 FROM DP MIAMI AT KHWO, X51, KMIA, KOPF, KTMB, AND KTNT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VIRGINIA KEY VOR/DME STATE: FL COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 254506.85N/0800916.00W TYPE:

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	VIRGINIA KEY	VKZ	VOR/DME	VH							45000

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 ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	VKZ	VOR/DME	120.00	300.00	L	1		2100	6000	4	12
2	SE		WP	120.00	300.00	L		4	3000	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A
1	310	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A
2	200	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A
2	310	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUESTED
PAT 2 ATC REQUESTED.

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 12	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 9	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 8R (ALT MA)	MIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 12	KMIA	MIAMI	FL (US)
2	RNAV (GPS) RWY 9	KMIA	MIAMI	FL (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 4W/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FT. LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MIAMI			X51	HOMESTEAD	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	MIAMI			KTNT	MIAMI	FL (US)
DP	FT. LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	AR11					(US)
EN ROUTE	AR17					(US)
EN ROUTE	BR53V					(US)
EN ROUTE	BR64V					(US)
EN ROUTE	BR66V					(US)
EN ROUTE	G430					(US)
IAP	ILS OR LOC RWY 28R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9			KFXE	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 12		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 30 (ALT MA)			KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9		1	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9		2	KMIA	MIAMI	FL (US)
IAP	RNAV (GPS) Z RWY 12		2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 12		2	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27R			KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9R (ALT MA)		1	KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9L			KTMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R			KTMB	MIAMI	FL (US)
IAP	ILS OR LOC RWY 8R (ALT MA)		1	MIA	MIAMI	FL (US)
STAR	FOWEE			KHST	HOMESTEAD	FL (US)
STAR	FOWEE			X51	HOMESTEAD	FL (US)
STAR	FOWEE			07FA	KEY LARGO	FL (US)
STAR	FOWEE			KTMB	MIAMI	FL (US)

QUALITY
23
CHECKED

STAR

FOWEE

MIA

MIAMI

FL (US)

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH**COMPULSORY REPORTING POINT:** NO**RECORD REVISION NUMBER:** 23**DATE OF REVISION:** 05/14/2026**REASON FOR REVISION:**

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

NAME: DEXTER SWEETING**APPROVED BY:****DATE:** 04/09/2026**OFFICE:** AJV-A422**NAME:** RAKE MCGRAW**SIGNATURE:**