

RADIO FIX AND HOLDING DATA RECORD

NAME: HILEY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 261515.81N/0800047.10W

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	PALM BEACH	PBI	VORTAC	VH	174.16	171.16	25.77	25.77	5000	17500
2	VIRGINIA KEY	VKZ	VOR/DME	VH	018.23	014.23		31.02	5000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V295	1, 2				(US)
IAP	RNAV (GPS) Z RWY 30			KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 30			KMIA	MIAMI	FL (US)
STAR	ANNEY	1, 2		KHST	HOMESTEAD	FL (US)
STAR	ANNEY	1, 2		X51	HOMESTEAD	FL (US)
STAR	ANNEY	1, 2		07FA	KEY LARGO	FL (US)
STAR	ANNEY	1, 2		KMIA	MIAMI	FL (US)
STAR	ANNEY	1, 2		KTMB	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 03/23/2023

REASON FOR REVISION:

- ADDED ENROUTE V295 TO FIX USE.
- ADDED FAC 2 (VIRGINIA KEY VKZ VOR/DME) TO FIX MAKE-UP FACILITIES.
- ADDED FAC 2 TO ALL ANNEY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: CHARLES THIBODEAUX

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 255746.99N/0800542.73W **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	VIRGINIA KEY	VKZ	VOR/DME	H	018.23	014.23	13.03	13.03		2000	17500
2	DOLPHIN	DHP	VORTAC	H	058.56	054.56	16.85	16.85		5000	17500

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

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	BR64V	1				(US)
EN ROUTE	V295	1, 2				(US)
STAR	BLUFI	1, 2		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	1, 2		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	1		KHST	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		KHST	HOMESTEAD	FL (US)
STAR	ANNEY	1		X51	HOMESTEAD	FL (US)
STAR	BLUFI	1, 2		X51	HOMESTEAD	FL (US)
STAR	ANNEY	1		07FA	KEY LARGO	FL (US)
STAR	BLUFI	1, 2		07FA	KEY LARGO	FL (US)
STAR	ANNEY	1		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KMIA	MIAMI	FL (US)
STAR	BLUFI	1, 2		KOPF	MIAMI	FL (US)
STAR	ANNEY	1		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		KTMB	MIAMI	FL (US)
STAR	BLUFI	1, 2		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: 8 **DATE OF REVISION:** 05/19/2022

REASON FOR REVISION:

1. REMOVED KMIA SLFSH (RNAV) STAR FROM FIX USE
2. REMOVED KMIA CSTAL (RNAV) STAR FROM FIX USE

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** KELLIE BARNES

APPROVED BY: **DATE:** 05/19/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MELBOURNE VOR/DME STATE: FL COUNTRY: US ICAO REGION CODE: K7
LATITUDE/LONGITUDE: 280619.02N/0803807.22W 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	MRA	MAA
								NM FEET		
1	MELBOURNE	MLB	VOR/DME	VL						17500

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	TEMPLATES
									MIN MAX	MIN MAX
1	S	MLB	VOR/DME	195.80	015.80	R	1		2300 8000	12 14
2	W	MLB	VOR/DME	287.62	107.62	R	1		2100 6000	4 5
3	S		WP	198.00	018.00	L		4	3000 14000	5 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	TOWER (12-001916)	275920.00N/0804334.00W	543	5D
2	200	TOWER (12-002052)	280250.54N/0804031.59W	525	4D
3	200	TOWER (12-001916)	275920.00N/0804334.00W	543	5D

REASON FOR NONSTANDARD HOLDING:

PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
ASSIGNED FACILITY MAG VAR: 7W EPOCH YR: 2015.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OCEAN			KCOF	COCOA BEACH	FL (US)
DP	RIVER			KCOF	COCOA BEACH	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
EN ROUTE	V3					FL (US)
EN ROUTE	V437					FL (US)
EN ROUTE	V441					FL (US)
EN ROUTE	V492					FL (US)
IAP	VOR/DME RWY 3		1	KCOF	COCOA BEACH	FL (US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	ILS OR LOC RWY 9R			KMLB	MELBOURNE	FL (US)
IAP	LOC BC RWY 27L			KMLB	MELBOURNE	FL (US)
IAP	VOR RWY 27L		2	KMLB	MELBOURNE	FL (US)
IAP	VOR RWY 9R		2	KMLB	MELBOURNE	FL (US)
IAP	RNAV (GPS) RWY 11		3	KCOI	MERRITT ISLAND	FL (US)
IAP	ILS OR LOC RWY 17L			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 17R			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 18R			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 35L			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (CAT II - III)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (SA CAT I)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17R (CAT II)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II - III)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (SA CAT I)			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 9R			KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS)-B			X26	SEBASTIAN	FL (US)
IAP	ILS OR LOC RWY 36			KTIX	TITUSVILLE	FL (US)
IAP	VOR RWY 12R			KVRB	VERO BEACH	FL (US)
IAP	VOR RWY 30L			KVRB	VERO BEACH	FL (US)
STAR	MELBOURNE			KBCT	BOCA RATON	FL (US)
STAR	STOOP			KBCT	BOCA RATON	FL (US)
STAR	ANNEY			KHST	HOMESTEAD	FL (US)
STAR	ANNEY			X51	HOMESTEAD	FL (US)
STAR	MELBOURNE			06FA	JUPITER	FL (US)
STAR	STOOP			06FA	JUPITER	FL (US)
STAR	ANNEY			07FA	KEY LARGO	FL (US)
STAR	ANNEY			KMIA	MIAMI	FL (US)
STAR	ANNEY			KTMB	MIAMI	FL (US)
STAR	MELBOURNE			KLNA	WEST PALM BEACH	FL (US)
STAR	MELBOURNE			KPBI	WEST PALM BEACH	FL (US)
STAR	STOOP			KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. DELETED REMARK "VOR CLASS CHANGED FROM H TO VL".
2. DELETED STAR GOOFY AND STAR BLUFI AT ALL AIRPORTS IN FIX USE.
3. ADDED IAP ILS OR LOC RWY 9R AT KSFB IN FIX USE.
4. ADDED IAP ILS OR LOC RWY 10R AT KFPR IN FIX USE.
5. ADDED IAPS ILS OR LOC RWY 17L, ILS OR LOC RWY 17R, ILS OR LOC RWY 18R, ILS OR LOC RWY 35L, ILS RWY 17L (SA CAT I), ILS RWY 35L (SA CAT I), ILS RWY 17R (CAT II), ILS RWY 17L (CAT II - III), AND ILS RWY 35L (CAT II - III) AT KMCO IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PALM BEACH VORTAC STATE: FL COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 264048.20N/0800511.36W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
								NM FEET		
1	PALM BEACH	PBI	VORTAC	VH						45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES	TEMPLATES
									MIN MAX	MIN MAX
1	N	PBI	VORTAC	343.24	163.24	L	1		13000 45000	10 29

CONTROLLING OBSTRUCTIONS:

PAT	AIRPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-002502)	264759.72N/0800431.74W	541	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: W3 EPOCH YR: 1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	ILS OR LOC RWY 9			06FA	JUPITER	FL (US)
DP	FORT LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	FORT LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	A699					(US)
EN ROUTE	BR21V					(US)
EN ROUTE	BR54V					(US)
EN ROUTE	BR55V					(US)
EN ROUTE	BR63V					(US)
EN ROUTE	BR69V					(US)
EN ROUTE	V3					(US)
EN ROUTE	V492					(US)
EN ROUTE	V531					(US)
EN ROUTE	V537					(US)
IAP	RNAV (GPS) Y RWY 23			KBCT	BOCA RATON	FL (US)
IAP	ILS OR LOC RWY 10L			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 10R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 28R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9			KFXE	FORT LAUDERDALE	FL (US)
IAP	LOC RWY 15			KPMP	POMPANO BEACH	FL (US)
IAP	RNAV (GPS) RWY 30			KSUA	STUART	FL (US)
IAP	ILS OR LOC RWY 9R			F45	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 10L			KPBI	WEST PALM BEACH	FL (US)
IAP	ILS OR LOC RWY 28R			KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 10L			KPBI	WEST PALM BEACH	FL (US)
STAR	GOOFY			X04	APOPKA	FL (US)
STAR	MELBOURNE			KBCT	BOCA RATON	FL (US)
STAR	STOOP			KBCT	BOCA RATON	FL (US)
STAR	TTYLR			KBCT	BOCA RATON	FL (US)
STAR	BLUFI			KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI			KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI			KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY		1	KHST	HOMESTEAD	FL (US)
STAR	BLUFI			KHST	HOMESTEAD	FL (US)
STAR	ANNEY		1	X51	HOMESTEAD	FL (US)
STAR	BLUFI			X51	HOMESTEAD	FL (US)
STAR	MELBOURNE			06FA	JUPITER	FL (US)

STAR	STOOP		06FA	JUPITER	FL (US)
STAR	TTYLR		06FA	JUPITER	FL (US)
STAR	ANNEY	1	07FA	KEY LARGO	FL (US)
STAR	BLUFI		07FA	KEY LARGO	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	1	KMIA	MIAMI	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	ANNEY	1	KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	TTYLR		KSUA	STUART	FL (US)
STAR	GOOFY		KTIX	TITUSVILLE	FL (US)
STAR	TTYLR		F45	WEST PALM BEACH	FL (US)
STAR	MELBOURNE		KLNA	WEST PALM BEACH	FL (US)
STAR	TTYLR		KLNA	WEST PALM BEACH	FL (US)
STAR	MELBOURNE		KPBI	WEST PALM BEACH	FL (US)
STAR	STOOP		KPBI	WEST PALM BEACH	FL (US)
STAR	TTYLR		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 26

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FACILITY 1 CLASS CHANGED FROM "H" TO "VH".
2. HOLDING PATTERNS: DELETED HOLDING PATTERN 1 (E DIRECTION, 270 COURSE INBOUND PATTERN); PREVIOUSLY DELETED FROM REVISION 24 AND ERRONEOUSLY READED ON REVISION 25.
3. CONTROLLING OBSTRUCTIONS: DELETED 200 KIAS TOWER (12-027176), 200 KIAS TOWER (12-027176) AND 230 KIAS TOWER (12-002502) OBSTRUCTIONS; PREVIOUSLY DELETED FROM ASSOCIATED PATTERNS ON REVISION 24 AND ERRONEOUSLY READED ON REVISION 25.
4. REASON FOR NONSTANDARD HOLDING: UPDATED FROM "PAT 1 AIR TRAFFIC" TO "PAT 1 ATC REQUEST".
5. HOLDING RESTRICTIONS: UPDATED FROM "HOLDING LIMITED TO ESTABLISHED PATTERN(S)" TO "HOLDING LIMITED TO ESTABLISHED PATTERN".
6. HOLDING RESTRICTIONS: ADDED "PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER W-497"; RESTRICTION VERBIAGE WAS LISTED AS AN UPDATE ON REVISION 25 (OLD FORMAT PREVIOUSLY DOCUMENTED ON REVISION 24), BUT WAS MISSING FROM THE HOLDING RESTRICTIONS BLOCK OF THE FORM ITSELF.
7. REMARKS: ADDED PERIOD TO MAG VAR NOTE.
8. FIX USE: DELETED KPBI IAP RNAV (GPS) Y RWY 28R.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 **NAME:** JILL SUPPES

APPROVED BY: **DATE:** 02/20/2025 **OFFICE:** AJV-A433 **NAME:** ROBERT HAMILTON

SIGNATURE:

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	MRA	MAA
							NM	FEET		
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 LENGTH TIME	DME	HOLDING ALTITUDES	TEMPLATES
									MIN MAX	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	AIRPEED	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 9	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 8R	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 12	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 8R	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 12	KMIA	MIAMI	FL (US)
2	RNAV (GPS) Z RWY 8R	KMIA	MIAMI	FL (US)
2	RNAV (GPS) Z 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			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	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)
EN ROUTE	V159					(US)
EN ROUTE	V295					(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 8R (ALT MA)		1	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 (GPS) Z RWY 8R		2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 12		2	KMIA	MIAMI	FL (US)
IAP	RNAV (RNP) Y RWY 8R		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)
STAR	BLUFI	KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI	KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI	KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY	KHST	HOMESTEAD	FL (US)
STAR	BLUFI	KHST	HOMESTEAD	FL (US)
STAR	FOWEE	KHST	HOMESTEAD	FL (US)
STAR	ANNEY	X51	HOMESTEAD	FL (US)
STAR	BLUFI	X51	HOMESTEAD	FL (US)
STAR	FOWEE	X51	HOMESTEAD	FL (US)
STAR	ANNEY	07FA	KEY LARGO	FL (US)
STAR	BLUFI	07FA	KEY LARGO	FL (US)
STAR	FOWEE	07FA	KEY LARGO	FL (US)
STAR	ANNEY	KMIA	MIAMI	FL (US)
STAR	BLUFI	KMIA	MIAMI	FL (US)
STAR	FOWEE	KMIA	MIAMI	FL (US)
STAR	BLUFI	KOPF	MIAMI	FL (US)
STAR	ANNEY	KTMB	MIAMI	FL (US)
STAR	BLUFI	KTMB	MIAMI	FL (US)
STAR	FOWEE	KTMB	MIAMI	FL (US)
STAR	BLUFI	KPMP	POMPANO 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: 19

DATE OF REVISION: 03/21/2024

REASON FOR REVISION:

UPDATED FIX USE/PROCEDURES REQUIRING CLIMB-IN-HOLD: ADDED CLIMB-IN-HOLD PATTERN (2) TO KMIA RNAV (GPS) Z RWY 8R.
 UPDATED FIX USE AT KTMB: ADDED DESCRIPTION (ALT MA) TO USE TITLE FOR THE ILS OR LOC RWY 9R AND PATTERN 1.
 UPDATED FIX USE AT KIMA: ADDED DESCRIPTION (ALT MA) TO USE TITLE FOR BOTH IAPS ILS OR LOC RWY 8R AND ILS OR LOC RWY 12.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: ANDRE MARSH
APPROVED BY:	DATE: 03/21/2024	OFFICE: AJV-A420	NAME: DAVID DANNER
	SIGNATURE:		