

RADIO FIX AND HOLDING DATA RECORD

NAME: LA BELLE VORTAC **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 264941.47N/0812329.18W **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	MRA	MAA
1	LA BELLE	LBV	VORTAC	L						45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (12-003573)	264641.23N/0812537.97W	430	1A

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALICO			KRSW	FORT MYERS	FL (US)
DP	MOOKY			KRSW	FORT MYERS	FL (US)
DP	SCUBY			KRSW	FORT MYERS	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	NAPLES			KAPF	NAPLES	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	J43					(US)
EN ROUTE	J616					(US)
EN ROUTE	J73					(US)
EN ROUTE	V157					(US)
EN ROUTE	V225					(US)
EN ROUTE	V492					(US)
EN ROUTE	V529					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 5			KFMY	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 23			KFMY	FORT MYERS	FL (US)
IAP	VOR RWY 13			KFMY	FORT MYERS	FL (US)
IAP	ILS OR LOC RWY 6			KRSW	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 24			KRSW	FORT MYERS	FL (US)
IAP	VOR/DME OR TACAN RWY 24			KRSW	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 27			KIMM	IMMOKALEE	FL (US)
IAP	VOR RWY 18			KIMM	IMMOKALEE	FL (US)
IAP	RNAV (GPS) RWY 32			KX14	LA BELLE	FL (US)
IAP	VOR RWY 23			KAPF	NAPLES	FL (US)
IAP	VOR RWY 5			KAPF	NAPLES	FL (US)
IAP	RNAV (GPS) RWY 1			KSEF	SEBRING	FL (US)
STAR	COSTR (RNAV)			KX04	APOKA	FL (US)
STAR	BRDGE			KCLW	CLEARWATER	FL (US)
STAR	COSTR (RNAV)			KCOF	COCOA BEACH	FL (US)
STAR	FORTL			KFLL	FORT LAUDERDALE	FL (US)
STAR	JOSFF			KFMY	FORT MYERS	FL (US)
STAR	SHFTY (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	JOSFF			KRSW	FORT MYERS	FL (US)
STAR	SHFTY (RNAV)			KRSW	FORT MYERS	FL (US)
STAR	CYPRESS			KHST	HOMESTEAD	FL (US)
STAR	CYPRESS			KX51	HOMESTEAD	FL (US)
STAR	CYPRESS			K07FA	KEY LARGO	FL (US)
STAR	COSTR (RNAV)			KLEE	LEESBURG	FL (US)
STAR	MINEE			KLEE	LEESBURG	FL (US)
STAR	SHFTY (RNAV)			KMKY	MARCO ISLAND	FL (US)
STAR	ZEILR			KMKY	MARCO ISLAND	FL (US)
STAR	COSTR (RNAV)			KMLB	MELBOURNE	FL (US)
STAR	COSTR (RNAV)			KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE			KCOI	MERRITT ISLAND	FL (US)
STAR	CYPRESS			KMIA	MIAMI	FL (US)
STAR	DVALL			KMIA	MIAMI	FL (US)
STAR	CYPRESS			KOPF	MIAMI	FL (US)
STAR	CYPRESS			KTMB	MIAMI	FL (US)
STAR	SHFTY (RNAV)			KAPF	NAPLES	FL (US)
STAR	ZEILR			KAPF	NAPLES	FL (US)
STAR	COSTR (RNAV)			KISM	ORLANDO	FL (US)
STAR	MINEE			KISM	ORLANDO	FL (US)
STAR	COSTR (RNAV)			KMCO	ORLANDO	FL (US)

STAR	MINEE	KMCO	ORLANDO	FL (US)
STAR	COSTR (RNAV)	KORL	ORLANDO	FL (US)
STAR	MINEE	KORL	ORLANDO	FL (US)
STAR	COSTR (RNAV)	KSFB	ORLANDO	FL (US)
STAR	MINEE	KSFB	ORLANDO	FL (US)
STAR	BRDGE	KSPG	ST PETERSBURG	FL (US)
STAR	BRDGE	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DEAKK (RNAV)	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	BRDGE	KMCF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KMCF	TAMPA	FL (US)
STAR	BRDGE	KTPA	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KTPA	TAMPA	FL (US)
STAR	BRDGE	KTPF	TAMPA	FL (US)
STAR	BRDGE	KVDF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KVDF	TAMPA	FL (US)
STAR	COSTR (RNAV)	KTIX	TITUSVILLE	FL (US)
STAR	MINEE	KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 09/18/2014

REASON FOR REVISION:

ADDED MOOKY DP TO FIX USE.

DEVELOPED BY: **DATE:** 02/28/2014

OFFICE: AJV-352

NAME: MIKE MELSSSEN

APPROVED BY: **DATE:** 09/18/2014

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MCO APP CON, RSW APP CON
OTHER: ZJX, MCO ATCT

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:** NO CHANGE

FIX MAKE-UP FACILITIES:

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

FIX RESTRICTIONS:

ILS OR LOC/DME RWY 9 (SPECIAL) K06FA JUPITER FL (US)

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 MIN MAX	TEMPLATES MIN MAX
1	E	PBI	VORTAC	090.00	270.00	R	1		2000 10000	4 9
2	N	PBI	VORTAC	006.57	186.57	R	1		2000 10000	4 9
3	N	PBI	VORTAC	343.24	163.24	L	1-1 1/2		13000 45000	10 29
4	N		WP	345.19	165.19	L		10	5000 14000	15 15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (12-004716)	263521.24N/0801242.76W	1314	5D
1	200	TOWER (12-027176)	264431.00N/0800729.00W	475	2C
2	200	TOWER (12-002502)	264759.72N/0800431.74W	541	1A
3	230	TOWER (12-002502)	264759.72N/0800431.74W	541	1A
4	200	TOWER (12-003439)	270131.99N/0801041.87W	1038	1A

REASON FOR NONSTANDARD HOLDING:

PAT 3 AIR TRAFFIC
PAT 4 AIR TRAFFIC

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER (PAT 3 FL300) (UNPLAN FL180) OVER W-497.

REMARKS:

PAT 1 HOLDING ATC REQUEST.
PAT 4 10 MILE LEG ATC REQUEST, MIN/MAX TEMPLATES SET TO 15 FOR HOLDING PATTERN LEG LENGTH.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 3 DEGREES WEST

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
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	POTTR			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	J79					(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	VOR/DME-A		2	KBCT	BOCA RATON	FL (US)
IAP	ILS OR LOC RWY 9			KFXE	FORT LAUDERDALE	FL (US)
IAP	RNAV (GPS) RWY 30			KSUA	STUART	FL (US)
IAP	ILS OR LOC RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	VOR RWY 8R			KF45	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)

IAP	RNAV (GPS) Y RWY 14	3	KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 28R		KPBI	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) Y RWY 32		KPBI	WEST PALM BEACH	FL (US)
STAR	GOOFY		KX04	APOPKA	FL (US)
STAR	CAYSL (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	PRRIE (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	TUXXI		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	3	KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	4	KHST	HOMESTEAD	FL (US)
STAR	ANNEY	3	KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)	4	KX51	HOMESTEAD	FL (US)
STAR	FRWAY (RNAV)		K06FA	JUPITER	FL (US)
STAR	TUXXI		K06FA	JUPITER	FL (US)
STAR	WLACE (RNAV)		K06FA	JUPITER	FL (US)
STAR	ANNEY	3	K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	HILEY (RNAV)	4	K07FA	KEY LARGO	FL (US)
STAR	BAIRN (RNAV)		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	ANNEY	3	KMIA	MIAMI	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	CYPRESS		KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)	4	KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	ANNEY	3	KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	HILEY (RNAV)	4	KTMB	MIAMI	FL (US)
STAR	BAIRN (RNAV)		KISM	ORLANDO	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KORL	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)		KSFB	ORLANDO	FL (US)
STAR	GOOFY		KSFB	ORLANDO	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	WLACE (RNAV)		KSUA	STUART	FL (US)
STAR	FRWAY (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	WLACE (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	TUXXI		KLNA	WEST PALM BEACH	FL (US)
STAR	WLACE (RNAV)		KLNA	WEST PALM BEACH	FL (US)
STAR	FRWAY (RNAV)		KPBI	WEST PALM BEACH	FL (US)
STAR	TUXXI		KPBI	WEST PALM BEACH	FL (US)
STAR	WLACE (RNAV)		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 01/05/2017

REASON FOR REVISION:

UPDATED HOLDING PATTERN 1 CONTROLLING OBSTACLE FROM 457 MSL TOWER 12-002718, AC 5D TO 475 MSL TOWER 12-027176, AC 2C.

UPDATED KFXE ILS OR LOC RWY 8 TO ILS OR LOC RWY 9 IN FIX USE.

ADDED KFLL ILS OR LOC RWY 10L, ILS OR LOC RWY 10R AND ILS OR LOC RWY 28R TO FIX USE.

REMOVED KLNA VOR OR GPS RWY 15 FROM FIX USE.

ADDED "ASSIGNED FACILITY MAG VAR: 3 DEGREES WEST" TO REMARKS.

ADDED WLACE (RNAV) STAR FOR KLNA, KF45, K06FA AND KSUA IN FIX USE.

ADDED TUXXI STAR FOR K06FA AND KLNA IN FIX USE.

DEVELOPED BY: **DATE:** 07/29/2016

OFFICE: AJV-5413

NAME: MIKE MELSSEN

APPROVED BY: **DATE:** 11/29/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: PBI APP CON/ATCT, MIA APP CON

OTHER: MCO ATCT, MCO APP CON

RADIO FIX AND HOLDING DATA RECORD

NAME: PAHOKEE VOR/DME **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 264657.87N/0804129.16W **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	MRA FEET	MAA
1	PAHOKEE	PHK	VOR/DME	H						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	S	PHK	VOR/DME	182.15	002.15	R	1		1800	5000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (12-004410)	264128.00N/0804717.00W	513	5D
1	200	TOWER (12-003734)	263955.74N/0803837.45W	490	1A

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2000.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALICO			KRSW	FORT MYERS	FL (US)
DP	MOOKY			KRSW	FORT MYERS	FL (US)
DP	SCUBY			KRSW	FORT MYERS	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	NAPLES			KAPF	NAPLES	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
DP	ST. PETE			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
DP	LGTHG			KTPA	TAMPA	FL (US)
DP	TAMPA			KTPA	TAMPA	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	J53					FL (US)
EN ROUTE	J81					FL (US)
EN ROUTE	V267					FL (US)
EN ROUTE	V437					FL (US)
EN ROUTE	V492					FL (US)
EN ROUTE	V51					FL (US)
EN ROUTE	V601					FL (US)
IAP	ILS OR LOC RWY 9			KFXE	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 10R			KFPR	FORT PIERCE	FL (US)
IAP	RNAV (GPS) RWY 32			KOBE	OKEECHOBEE	FL (US)
IAP	RNAV (GPS) RWY 17			KPHK	PAHOKEE	FL (US)
IAP	RNAV (GPS) RWY 35			KPHK	PAHOKEE	FL (US)
IAP	VOR/DME-A			KPHK	PAHOKEE	FL (US)
IAP	RNAV (GPS) RWY 12			KSUA	STUART	FL (US)
IAP	ILS OR LOC RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS) RWY 13			KF45	WEST PALM BEACH	FL (US)
IAP	VOR RWY 8R			KF45	WEST PALM BEACH	FL (US)
IAP	RNAV (GPS)-A			KLNA	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)
SPECIAL IAP	ILS OR LOC RWY 9		1	K06FA	JUPITER	FL (US)
STAR	GOOFY			KX04	APOPKA	FL (US)
STAR	BRDGE			KCLW	CLEARWATER	FL (US)
STAR	FORTL			KFLL	FORT LAUDERDALE	FL (US)
STAR	BAIRN (RNAV)			KLEE	LEESBURG	FL (US)
STAR	GOOFY			KLEE	LEESBURG	FL (US)
STAR	GOOFY			KCOI	MERRITT ISLAND	FL (US)
STAR	CYPRESS			KMIA	MIAMI	FL (US)
STAR	SSCOT (RNAV)			KMIA	MIAMI	FL (US)
STAR	BAIRN (RNAV)			KISM	ORLANDO	FL (US)
STAR	GOOFY			KISM	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KMCO	ORLANDO	FL (US)
STAR	GOOFY			KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KORL	ORLANDO	FL (US)

STAR	GOOFY	KORL	ORLANDO	FL (US)
STAR	BAIRN (RNAV)	KSFB	ORLANDO	FL (US)
STAR	GOOFY	KSFB	ORLANDO	FL (US)
STAR	BRDGE	KSPG	ST PETERSBURG	FL (US)
STAR	BRDGE	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DEAKK (RNAV)	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	BRDGE	KMCF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KMCF	TAMPA	FL (US)
STAR	BRDGE	KTPA	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KTPA	TAMPA	FL (US)
STAR	BRDGE	KTPF	TAMPA	FL (US)
STAR	BRDGE	KVDF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KVDF	TAMPA	FL (US)
STAR	GOOFY	KTIX	TITUSVILLE	FL (US)
STAR	TUXXI	KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 04/27/2017

REASON FOR REVISION:

UPDATED FIX USE: ADDED K06FA ILS OR LOC RWY 9; CORRECTED RWY ON KFXE ILS OR LOC RWY 9.
ADDED SPECIAL IAP TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 11/08/2016 **OFFICE:** AJV-5431 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** **OFFICE:** AJV-5430 **NAME:** LONNIE EVERHART

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZMA
ATC FACILITY: PBI APP CON, MCO APP CON
OTHER: ZJX, MCO ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: LEE COUNTY VORTAC **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 263147.55N/0814632.76W **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	MRA	MAA
1	LEE COUNTY	RSW	VORTAC	L						45000

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (12-002609)	262523.00N/0813748.00W	1248	3D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 2600.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
ASSIGNED FACILITY MAGVAR: W02/1985.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	CSHEL (RNAV)			KFMY	FORT MYERS	FL (US)
DP	ALICO			KRSW	FORT MYERS	FL (US)
DP	CSHEL (RNAV)			KRSW	FORT MYERS	FL (US)
DP	MOOKY			KRSW	FORT MYERS	FL (US)
DP	SCUBY			KRSW	FORT MYERS	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	CSHEL (RNAV)			KMKY	MARCO ISLAND	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	CSHEL (RNAV)			KAPF	NAPLES	FL (US)
DP	NAPLES			KAPF	NAPLES	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	SARASOTA			KSRQ	SARASOTA/BRADENTON	FL (US)
DP	ST. PETE			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
DP	LGTING			KTPA	TAMPA	FL (US)
DP	TAMPA			KTPA	TAMPA	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	J41					(US)
EN ROUTE	J614					(US)
EN ROUTE	J75					(US)
EN ROUTE	V225					(US)
EN ROUTE	V35					(US)
EN ROUTE	V521					(US)
EN ROUTE	V539					(US)
EN ROUTE	V579					(US)
EN ROUTE	V599					(US)
EN ROUTE	V7					(US)
IAP	ILS OR LOC RWY 5			KFMY	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 13			KFMY	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 31			KFMY	FORT MYERS	FL (US)
IAP	VOR RWY 13			KFMY	FORT MYERS	FL (US)
IAP	BAY VISUAL RWY 6			KRSW	FORT MYERS	FL (US)
IAP	ILS OR LOC/DME RWY 6			KRSW	FORT MYERS	FL (US)
IAP	VOR/DME OR TACAN RWY 24			KRSW	FORT MYERS	FL (US)
IAP	VOR RWY 18			KIMM	IMMOKALEE	FL (US)
IAP	VOR RWY 23			KAPF	NAPLES	FL (US)
IAP	VOR RWY 5			KAPF	NAPLES	FL (US)
IAP	ILS OR LOC RWY 4			KPGD	PUNTA GORDA	FL (US)
IAP	RNAV (GPS) RWY 33			KPGD	PUNTA GORDA	FL (US)
IAP	RNAV (GPS) RWY 4			KPGD	PUNTA GORDA	FL (US)
STAR	COSTR (RNAV)			KX04	APOPKA	FL (US)
STAR	BRDGE			KCLW	CLEARWATER	FL (US)
STAR	COSTR (RNAV)			KCOF	COCOA BEACH	FL (US)
STAR	FORTL			KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL			KFXE	FORT LAUDERDALE	FL (US)
STAR	JOSFF			KFMY	FORT MYERS	FL (US)
STAR	SHFTY (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	JOSFF			KRSW	FORT MYERS	FL (US)

STAR	SHIFTY (RNAV)	KRSW	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)	KRSW	FORT MYERS	FL (US)
STAR	FORTL	KHWO	HOLLYWOOD	FL (US)
STAR	CYPRESS	KHST	HOMESTEAD	FL (US)
STAR	CYPRESS	KX51	HOMESTEAD	FL (US)
STAR	CYPRESS	K07FA	KEY LARGO	FL (US)
STAR	COSTR (RNAV)	KLEE	LEESBURG	FL (US)
STAR	MINEE	KLEE	LEESBURG	FL (US)
STAR	SHIFTY (RNAV)	KMKY	MARCO ISLAND	FL (US)
STAR	COSTR (RNAV)	KMLB	MELBOURNE	FL (US)
STAR	COSTR (RNAV)	KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE	KCOI	MERRITT ISLAND	FL (US)
STAR	CYPRESS	KMIA	MIAMI	FL (US)
STAR	CYPRESS	KOPF	MIAMI	FL (US)
STAR	FORTL	KOPF	MIAMI	FL (US)
STAR	CYPRESS	KTMB	MIAMI	FL (US)
STAR	SHIFTY (RNAV)	KAPF	NAPLES	FL (US)
STAR	COSTR (RNAV)	KISM	ORLANDO	FL (US)
STAR	MINEE	KISM	ORLANDO	FL (US)
STAR	COSTR (RNAV)	KMCO	ORLANDO	FL (US)
STAR	MINEE	KMCO	ORLANDO	FL (US)
STAR	COSTR (RNAV)	KORL	ORLANDO	FL (US)
STAR	MINEE	KORL	ORLANDO	FL (US)
STAR	COSTR (RNAV)	KSFB	ORLANDO	FL (US)
STAR	MINEE	KSFB	ORLANDO	FL (US)
STAR	FORTL	KPMP	POMPANO BEACH	FL (US)
STAR	BRDGE	KSPG	ST PETERSBURG	FL (US)
STAR	BRDGE	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DEAKK (RNAV)	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	BRDGE	KMCF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KMCF	TAMPA	FL (US)
STAR	BRDGE	KTPA	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KTPA	TAMPA	FL (US)
STAR	BRDGE	KTPF	TAMPA	FL (US)
STAR	BRDGE	KVDF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KVDF	TAMPA	FL (US)
STAR	COSTR (RNAV)	KTIX	TITUSVILLE	FL (US)
STAR	MINEE	KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 03/29/2018

REASON FOR REVISION:

1. ADDED DP CSHEL (RNAV) TO FIX USE FOR: KFMV, KAPF, KMKY, & KRSW.
2. ADDED STAR TYNEE (RNAV) TO FIX USE FOR: KFMV & KRSW.
3. ADDED MILITARY STAR TO REQUIRED CHARTING (KMCF = MACDILL AFB).
4. REMOVED STAR KCOI CYPRESS FROM FIX USE.
5. UPDATED KMKY STAR FROM "SHIFTY RNAV" TO "SHIFY (RNAV)".
6. ADDED REMARK "ASSIGNED FACILITY MAGVAR: W02/1985".

DEVELOPED BY: **DATE:** 11/08/2017

OFFICE: AJV-5432

NAME: ADOLFO URRUTIA (CHRISTINE BAYSE)

APPROVED BY: **DATE:**

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON, MCO APP CON
OTHER: MCO ATCT, ZJX

RADIO FIX AND HOLDING DATA RECORD

NAME: DOLPHIN VORTAC **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 254759.86N/0802056.53W **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	MRA FEET	MAA
1	DOLPHIN	DHP	VORTAC	H						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	W	DHP	VORTAC	289.00	109.00	L	1		3000	6000	8	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (12-000221)	254624.36N/0802516.20W	549	4D
1	310	BLDG	254647.53N/0801137.78W	1049	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.
265K PATTERN FOR MILITARY TRAFFIC.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 30	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 27	KMIA	MIAMI	FL (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
310K HOLDING OBSTACLE IS A SIMULATED BUILDING IAW MIAMI ZONING.

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	POTTR			KMIA	MIAMI	FL (US)
DP	SOUBY			KMIA	MIAMI	FL (US)
DP	TAKEOFF MINIMUMS			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	A509					(US)
EN ROUTE	AR10					(US)
EN ROUTE	BR49V					(US)
EN ROUTE	G439					(US)
EN ROUTE	J43					(US)
EN ROUTE	J53					(US)
EN ROUTE	J55					(US)
EN ROUTE	J614					(US)
EN ROUTE	J616					(US)
EN ROUTE	J73					(US)
EN ROUTE	J75					(US)
EN ROUTE	J79					(US)
EN ROUTE	J81					(US)
EN ROUTE	J85					(US)
EN ROUTE	V157					(US)
EN ROUTE	V267					(US)
EN ROUTE	V3					(US)
EN ROUTE	V35					(US)
EN ROUTE	V437					(US)
EN ROUTE	V511					(US)
EN ROUTE	V521					(US)
EN ROUTE	V599					(US)
EN ROUTE	V7					(US)
EN ROUTE	V97					(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 28L	1		KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 28R			KFLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 12			KMIA	MIAMI	FL (US)

IAP	ILS OR LOC RWY 26L		KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27	1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 30	1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 8R		KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9		KMIA	MIAMI	FL (US)
IAP	LOC/DME RWY 26R		KMIA	MIAMI	FL (US)
IAP	LOC/DME RWY 8L		KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 12		KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27R		KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9L		KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9R		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 9		KTNT	MIAMI	FL (US)
STAR	PRRIE (RNAV)		KBCT	BOCA RATON	FL (US)
STAR	BLUFI		KFLL	FORT LAUDERDALE	FL (US)
STAR	DVALL		KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	DVALL		KFXE	FORT LAUDERDALE	FL (US)
STAR	FORTL		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	FORTL		KHWO	HOLLYWOOD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	CYPRESS		KHST	HOMESTEAD	FL (US)
STAR	DVALL		KHST	HOMESTEAD	FL (US)
STAR	FOWEE		KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	CYPRESS		KX51	HOMESTEAD	FL (US)
STAR	FOWEE		KX51	HOMESTEAD	FL (US)
STAR	WLACE (RNAV)		KUTX	JUPITER	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	CYPRESS		K07FA	KEY LARGO	FL (US)
STAR	FOWEE		K07FA	KEY LARGO	FL (US)
STAR	BLUFI		KMIA	MIAMI	FL (US)
STAR	CYPRESS		KMIA	MIAMI	FL (US)
STAR	DVALL		KMIA	MIAMI	FL (US)
STAR	FOWEE		KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	CYPRESS		KOPF	MIAMI	FL (US)
STAR	DVALL		KOPF	MIAMI	FL (US)
STAR	FORTL		KOPF	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	CYPRESS		KTMB	MIAMI	FL (US)
STAR	DVALL		KTMB	MIAMI	FL (US)
STAR	FOWEE		KTMB	MIAMI	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	DVALL		KPMP	POMPANO BEACH	FL (US)
STAR	FORTL		KPMP	POMPANO BEACH	FL (US)
STAR	WLACE (RNAV)		KSUA	STUART	FL (US)
STAR	WLACE (RNAV)		KF45	WEST PALM BEACH	FL (US)
STAR	WLACE (RNAV)		KLNA	WEST PALM BEACH	FL (US)
STAR	WLACE (RNAV)		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/08/2018

OFFICE: AJV-5422

NAME: JIMMY HUGHES

APPROVED BY: **DATE:**

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: FREEPORT VOR/DME **STATE:** **COUNTRY:** BF **ICAO REGION CODE:** DF

LATITUDE/LONGITUDE: 263319.25N/0784152.25W **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	MRA FEET	MAA
1	FREEPORT	ZFP	VOR/DME	H						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 MIN MAX	TEMPLATES MIN MAX
1	E	ZFP	VOR/DME	068.00	248.00	R	1-1 1/2	2000 17500	4 16
2	SW	ZFP	VOR/DME	233.00	053.00	L	1-1 1/2	2000 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (BS-000038)	263045.00N/0784515.00W	371	2D
2	200	STACK (BS-000038)	263045.00N/0784515.00W	371	2D

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
ASSIGNED FACILITY MAGVAR W03 (2000).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHILN (RNAV)			MYAT	ABACO ISLAND, BAHAMAS	(BF)
DP	TOONI (RNAV)			MYAM	MARSH HARBOUR, BAHAMAS	(BF)
DP	FORT LAUDERDAL			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	AR23					(US)
EN ROUTE	AR24					(US)
EN ROUTE	BR10L					(BF)
EN ROUTE	BR1L					(BF)
EN ROUTE	BR21V-63V					(BF)
EN ROUTE	BR62V					(BF)
EN ROUTE	BR63V					(BF)
EN ROUTE	BR64V-68V					(BF)
EN ROUTE	BR65V					(BF)
EN ROUTE	BR66V-70V					(BF)
EN ROUTE	BR69V					(BF)
EN ROUTE	BR70V					(BF)
EN ROUTE	BR71V					(BF)
IAP	ILS OR LOC RWY 12			KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9L			KOPF	MIAMI	FL (US)
STAR	BLUFI			KFLL	FORT LAUDERDALE	FL (US)
STAR	DEKAL			KFLL	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFLL	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	DEKAL			KFXE	FORT LAUDERDALE	FL (US)
STAR	FISEL (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFXE	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	DEKAL			KHWO	HOLLYWOOD	FL (US)
STAR	FISEL (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	GISSH			KHWO	HOLLYWOOD	FL (US)
STAR	WAVUN (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	HILEY (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	HILEY (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	ANNEY			KMIA	MIAMI	FL (US)
STAR	FLIPR (RNAV)			KMIA	MIAMI	FL (US)
STAR	FOWEE			KMIA	MIAMI	FL (US)
STAR	HILEY (RNAV)			KMIA	MIAMI	FL (US)
STAR	DEKAL			KOPF	MIAMI	FL (US)
STAR	FISEL (RNAV)			KOPF	MIAMI	FL (US)

STAR	GISSH	KOPF	MIAMI	FL (US)
STAR	WAVUN (RNAV)	KOPF	MIAMI	FL (US)
STAR	HILEY (RNAV)	KTMB	MIAMI	FL (US)
STAR	DEKAL	KPMP	POMPANO BEACH	FL (US)
STAR	FISEL (RNAV)	KPMP	POMPANO BEACH	FL (US)
STAR	GISSH	KPMP	POMPANO BEACH	FL (US)
STAR	WAVUN (RNAV)	KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

ADDED ASSIGNED FACILITY MAGVAR TO REMARKS.

DEVELOPED BY: **DATE:** 02/28/2018

OFFICE: AJV-5433

NAME: HOWARD HAWKINS

APPROVED BY: **DATE:**

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MIA TRACON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BIMINI VORTAC **STATE:** **COUNTRY:** BF **ICAO REGION CODE:** DF
LATITUDE/LONGITUDE: 254215.00N/0791740.00W **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	FAC FEET	MRA	MAA
1	BIMINI	ZBV	VORTAC	H							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 MIN	MAX	TEMPLATES MIN	MAX
1	SE		WP	121.71	301.71			8	12000	16000	10	16
2	SE	ZBV	VORTAC	119.71	299.71	R	1		6000	14000	7	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	254310.20N/0791755.60W	246	6C
2	230	AAO	254310.20N/0791755.60W	246	6C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
 ASSIGNED FACILITY MAGVAR W04 (1985).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FORT LAUDERDALE			KFLL	FORT LAUDERDALE	FL (US)
DP	FORT LAUDERDALE			KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			KHWO	HOLLYWOOD	FL (US)
DP	EONNS (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	SOUBY			KMIA	MIAMI	FL (US)
DP	MIAMI			KOPF	MIAMI	FL (US)
DP	MIAMI			KTMB	MIAMI	FL (US)
DP	FORT LAUDERDALE			KPMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	A301					(BF)
EN ROUTE	A315					(BF)
EN ROUTE	A555					(BF)
EN ROUTE	B760					(BF)
EN ROUTE	BR22V					(BF)
EN ROUTE	BR55V					(BF)
EN ROUTE	BR57V					(BF)
EN ROUTE	BR69V					(BF)
IAP	ILS OR LOC RWY 12			KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9L			KOPF	MIAMI	FL (US)
STAR	DEKAL		2	KFLL	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFLL	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)		1	KFLL	FORT LAUDERDALE	FL (US)
STAR	DEKAL		2	KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH			KFXE	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)		1	KFXE	FORT LAUDERDALE	FL (US)
STAR	DEKAL		2	KHWO	HOLLYWOOD	FL (US)
STAR	GISSH			KHWO	HOLLYWOOD	FL (US)
STAR	WAVUN (RNAV)		1	KHWO	HOLLYWOOD	FL (US)
STAR	FLIPR (RNAV)			KHST	HOMESTEAD	FL (US)
STAR	FOWEE			KHST	HOMESTEAD	FL (US)
STAR	FLIPR (RNAV)			KX51	HOMESTEAD	FL (US)
STAR	FOWEE			KX51	HOMESTEAD	FL (US)
STAR	FLIPR (RNAV)			K07FA	KEY LARGO	FL (US)
STAR	FOWEE			K07FA	KEY LARGO	FL (US)
STAR	FLIPR (RNAV)			KMIA	MIAMI	FL (US)
STAR	FOWEE			KMIA	MIAMI	FL (US)
STAR	DEKAL		2	KOPF	MIAMI	FL (US)
STAR	GISSH			KOPF	MIAMI	FL (US)
STAR	WAVUN (RNAV)		1	KOPF	MIAMI	FL (US)
STAR	FLIPR (RNAV)			KTMB	MIAMI	FL (US)
STAR	FOWEE			KTMB	MIAMI	FL (US)
STAR	DEKAL		2	KPMP	POMPANO BEACH	FL (US)
STAR	GISSH			KPMP	POMPANO BEACH	FL (US)
STAR	WAVUN (RNAV)		1	KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: LOW/HIGH

RECORD REVISION NUMBER: 9

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

ADDED ASSIGNED FACILITY MAGVAR TO REMARKS.

DEVELOPED BY:

DATE: 02/28/2018

OFFICE: AJV-5433

NAME: HOWARD HAWKINS

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: MIA TRACON

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: VIRGINIA KEY VOR/DME STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 254506.84N/0800915.99W 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 NM	MRA FEET	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	H						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	VKZ	VOR/DME	120.00	300.00	L	1	2100 6000	4 5
2	SE		WP	120.00	300.00	L	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-026968)	254643.83N/0801100.95W	1000	4D
1	310	TOWER (12-026968)	254643.83N/0801100.95W	1000	4D
2	200	TOWER (12-026968)	254643.83N/0801100.95W	1000	4D
2	310	TOWER (12-026968)	254643.83N/0801100.95W	1000	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUESTED
 PAT 2 ATC REQUESTED.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

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)
2	RNAV (GPS) Z RWY 12	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 8R	KMIA	MIAMI	FL (US)
2	RNAV (GPS) RWY 9	KMIA	MIAMI	FL (US)
2	RNAV (RNP) Y RWY 12	KMIA	MIAMI	FL (US)

REMARKS:

PAT 1 & 2 MAXIMUM PROPOSED BLDG HEIGHT 1010 MSL BY ZONING CODE PER EST FPO.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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	EONNS (RNAV)			KMIA	MIAMI	FL (US)
DP	JONZI (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI			KMIA	MIAMI	FL (US)
DP	MNATE (RNAV)			KMIA	MIAMI	FL (US)
DP	POTTR			KMIA	MIAMI	FL (US)
DP	SKIPS			KMIA	MIAMI	FL (US)
DP	SOUBY			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	J45					(US)
EN ROUTE	V159					(US)
EN ROUTE	V295					(US)
EN ROUTE	J113					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	ILS OR LOC RWY 12		1	KMIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 26L			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		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	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	GISSH		KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KFXE	FORT LAUDERDALE	FL (US)
STAR	GISSH		KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUFI		KHWO	HOLLYWOOD	FL (US)
STAR	GISSH		KHWO	HOLLYWOOD	FL (US)
STAR	ANNEY		KHST	HOMESTEAD	FL (US)
STAR	BLUFI		KHST	HOMESTEAD	FL (US)
STAR	ANNEY		KX51	HOMESTEAD	FL (US)
STAR	BLUFI		KX51	HOMESTEAD	FL (US)
STAR	ANNEY		K07FA	KEY LARGO	FL (US)
STAR	BLUFI		K07FA	KEY LARGO	FL (US)
STAR	ANNEY		KMIA	MIAMI	FL (US)
STAR	FOWEE		KMIA	MIAMI	FL (US)
STAR	BLUFI		KOPF	MIAMI	FL (US)
STAR	GISSH		KOPF	MIAMI	FL (US)
STAR	ANNEY		KTMB	MIAMI	FL (US)
STAR	BLUFI		KTMB	MIAMI	FL (US)
STAR	BLUFI		KPMP	POMPANO BEACH	FL (US)
STAR	GISSH		KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 11/10/2016

REASON FOR REVISION:

1. DELETED ENROUTE J20 FROM FIX USE.
2. DELETED TWO KFLL IAPS FROM FIX USE: ILS OR LOC RWY 10L & LOC/DME RWY 13.
3. DELETED KMIA IAP RNAV (GPS) RWY 8L FROM FIX USE.
4. DELETED KMIA STAR FLIPR (RANV) FROM FIX USE.
5. DELETED KMCO STAR GOOFY FROM FIX USE.
6. HOLDING CONTROLLING OBSTACLE UPDATED.
7. MODIFIED REMARKS TO BE MORE CONCISE.
8. INCREASED HOLDING PAT2 MIN ALTITUDE FROM 2100 TO 3000.

DEVELOPED BY: **DATE:** 04/26/2016

OFFICE: AJV-5412

NAME: MARK CIARLONE

APPROVED BY: **DATE:** 08/25/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: WINCO **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7
LATITUDE/LONGITUDE: 262502.53N/0805818.54W **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	LEE COUNTY	RSW	VORTAC	L	100.66	098.66	43.81	43.81	3000	45000
2	PAHOKEE	PHK	VOR/DME	H	214.66	214.66		26.56	3000	45000
3	DOLPHIN	DHP	VORTAC	H	321.81	317.81	49.96	49.96	3000	45000
4	LA BELLE	LBV	VORTAC	L	136.35	137.35	33.36	33.36	3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RSW	VORTAC	R-101	44	3000	45000
DHP	VORTAC	R-322	50	3000	14500
LBV	VORTAC	R-136	34	18000	45000

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

REMARKS:

LEE COUNTY (FAC 1) AND PAHOKEE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BSTER (RNAV)			KMIA	MIAMI	FL (US)
DP	HITAG (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2, 3, 4		KMIA	MIAMI	FL (US)
DP	POTTR	1, 2, 3, 4		KMIA	MIAMI	FL (US)
DP	WINCO (RNAV)			KMIA	MIAMI	FL (US)
EN ROUTE	J43	1, 2, 4				(US)
EN ROUTE	J616	1, 2, 4				(US)
EN ROUTE	J73	1, 2, 4				(US)
EN ROUTE	V521	1, 2, 4				(US)
EN ROUTE	V97	1, 2, 4				(US)
IAP	RNAV (GPS) RWY 32			KX14	LA BELLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 04/27/2017

REASON FOR REVISION:

UPDATED ALL REFERENCES OF PAHOKEE PHK VORTAC TO PAHOKEE PHK VOR/DME, TACR PROJECT.
 ADD NO CHANGE AS HOLDING TYPE ACTION.
 UPDATE FIX USE.

DEVELOPED BY: **DATE:** 01/13/2017 **OFFICE:** AJV-5422 **NAME:** JOHN HAZELTON

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HEDLY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 263457.61N/0803549.24W

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 NM	FAC FEET	MRA	MAA
1	PAHOKEE	PHK	VOR/DME	H	157.00	157.00	13.00	13.00		2000	45000
2	PALM BEACH	PBI	VORTAC	H	261.13	258.13		28.06		2000	45000

REMARKS:

PAHOKEE (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	BSTER (RNAV)			KMIA	MIAMI	FL (US)
DP	HEDLY (RNAV)			KMIA	MIAMI	FL (US)
DP	HITAG (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	POTTR	1, 2		KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
EN ROUTE	J53-81	1, 2				(US)
EN ROUTE	V267-437	1, 2				(US)
IAP	RNAV (GPS) RWY 35			KPHK	PAHOKEE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 04/27/2017

REASON FOR REVISION:

UPDATED ALL REFERENCES OF PAHOKEE PHK VORTAC TO PAHOKEE PHK VOR/DME, TACR PROJECT.
UPDATED FIX USE.

DEVELOPED BY: DATE: 01/10/2017

OFFICE: AJV-5422

NAME: JOHN HAZELTON

APPROVED BY: DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JANUS STATE: OA COUNTRY: US ICAO REGION CODE: K
 LATITUDE/LONGITUDE: 260538.81N/0793800.64W 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	VIRGINIA KEY	VKZ	VOR/DME	H	057.89	053.89		34.83	4500	45000
2	BIMINI	ZBV	VORTAC	H	325.89	321.89		29.68	2000	45000
3	FREEPORT	ZFP	VOR/DME	H	244.53	241.53	57.49	57.49	4000	45000
4	DOLPHIN	DHP	VORTAC	H	069.39	065.39	42.51	42.51	2000	5000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ZFP	VOR/DME	R-245	58	4000	14500
DHP	VORTAC	R-069	43	2000	5000

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 MIN	MAX	TEMPLATES MIN	MAX
1	SW		WP	239.89	059.89	R		4	2000	5000	4	6
2	W	DHP	VORTAC	069.39	069.39	R	1		2000	5000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	260538.81N/0793800.64W	280	2C
2	200	SHIP	260538.81N/0793800.64W	280	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

VIRGINIA KEY (FAC 1) AND BIMINI (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MIAMI	1, 2, 3		KMIA	MIAMI	FL (US)
DP	PADUS (RNAV)			KMIA	MIAMI	FL (US)
DP	POTTR	1, 2, 3		KMIA	MIAMI	FL (US)
DP	VALLY (RNAV)			KMIA	MIAMI	FL (US)
EN ROUTE	BR66V	1, 2, 3				(US)
EN ROUTE	AR11	1, 2, 3				FL (US)
IAP	GPS RWY 9R		1	KHWO	HOLLYWOOD	FL (US)
IAP	ILS OR LOC RWY 12	2, 3, 4	2	KOPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9L	2, 3, 4	2	KOPF	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 12		1	KOPF	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9L		1	KOPF	MIAMI	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

1. REMOVED FAC 1 DME DUE TO FACILITY RESTRICTION.
2. ADD FACILITIES USED TO ESTABLISH FIX.

DEVELOPED BY: DATE: 01/11/2013 OFFICE: AJV-352 NAME: RONALD SALPINO

APPROVED BY: DATE: 04/01/2013 OFFICE: AJV-352 NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: PADUS **STATE:** **COUNTRY:** BF **ICAO REGION CODE:** DF

LATITUDE/LONGITUDE: 262114.43N/0790630.90W **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	FAC FEET	MRA	MAA
1	FREEPORT	ZFP	VOR/DME	H	244.52	241.52	25.18	25.18		2000	45000
2	FORT LAUDERDALE	FLL	VOR/DME	H	079.41	073.41	59.49	59.49		7000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FLL	VOR/DME	R-079	60	7000	14600

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 MIN MAX	TEMPLATES MIN MAX
1	SW	ZFP	VOR/DME	244.53	064.53	R	1-1 1/2	2000 17500	6 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	SHIPPING	262114.43N/0790630.90W	280	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

FREEPORT (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FT LAUDERDALE	1, 2		KFLL	FORT LAUDERDALE	FL (US)
DP	BSTER (RNAV)			KMIA	MIAMI	FL (US)
DP	HITAG (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	POTTR	1, 2		KMIA	MIAMI	FL (US)
EN ROUTE	BR66V-70V	1, 2				(BF)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/02/2013

REASON FOR REVISION:

UPDATED FAC 2 RADIAL AND DME FROM 073.48/59.31 TO 079.41/59.49.
ADDED NAVAID THAT MAKES UP FIX COORDINATES TO THE REMARKS SECTION.

DEVELOPED BY: **DATE:** 11/29/2012 **OFFICE:** AJV-352 **NAME:** RONALD SALPINO

APPROVED BY: **DATE:** 04/01/2013 **OFFICE:** AJV-352 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: MYNN ATCT, MYGF ATCT
OTHER: ICAO

RADIO FIX AND HOLDING DATA RECORD

NAME: BEECH

STATE:

COUNTRY: BF

ICAO REGION CODE: DF

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 NM	FAC FEET	MRA	MAA
1	FORT LAUDERDALE	FLL	VOR/DME	H	103.79	097.79	42.69	42.69		11000	45000
2	BIMINI	ZBV	VORTAC	H	347.33	343.33	16.92	16.92		4000	45000

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	BEECH (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		KMIA	MIAMI	FL (US)
DP	POTTR	1, 2		KMIA	MIAMI	FL (US)
DP	FORT LAUDERDALE	1, 2		KPMP	POMPANO BEACH	FL (US)
EN ROUTE	BR55V	1, 2				(BF)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

UPDATED RADIAL/DME OF FAC1.

UPDATED REMARKS TO SHOW WHICH FACILITIES MAKE UP FACILITY COORDINATES.

DEVELOPED BY:

DATE: 11/29/2012

OFFICE: AJV-352

NAME: RONALD SALPINO

APPROVED BY:

DATE: 04/01/2013

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SKIPS

STATE:

COUNTRY: BF

ICAO REGION CODE: DF

LATITUDE/LONGITUDE: 253314.01N/0791627.72W

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 NM	FAC FEET	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	H	107.75	103.75	49.16	49.16		4000	45000
2	BIMINI	ZBV	VORTAC	H	177.09	173.09	9.05	9.05		4000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
VKZ	VOR/DME	R-108	50	4000	14500

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	DEEP (RNAV)			KMIA	MIAMI	FL (US)
DP	JONZI (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KMIA	MIAMI	FL (US)
DP	SKIPS (RNAV)			KMIA	MIAMI	FL (US)
DP	SOUBY	1, 2		KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2		KOPF	MIAMI	FL (US)
DP	MIAMI	1, 2		KTMB	MIAMI	FL (US)
EN ROUTE	A301	1, 2				(BF)
EN ROUTE	BR53V	1, 2				(BF)
EN ROUTE	Y586	1, 2				(BF)
EN ROUTE	Y587	1, 2				(BF)
STAR	WAVUN (RNAV)			KFLL	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KFXE	FORT LAUDERDALE	FL (US)
STAR	WAVUN (RNAV)			KHWO	HOLLYWOOD	FL (US)
STAR	WAVUN (RNAV)			KOPF	MIAMI	FL (US)
STAR	WAVUN (RNAV)			KPMP	POMPANO BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 01/05/2017

REASON FOR REVISION:

ADDED Y587 TO FIX USE.
ADDED Y586 TO FIX USE.
ADDED KTMB, KOPF, AND KHWO TO MIAMI DP IN FIX USE.

DEVELOPED BY:

DATE: 09/27/2016

OFFICE: AJV-5422

NAME: PETER GETZ (KEVIN KESZLER)

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: TONY LAWSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MNATE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 245845.54N/0803126.50W

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	FAC FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	H	195.00	191.00	50.00	50.00		3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-195	50	3000	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	FORT LAUDERDALE	1		KFXE	FORT LAUDERDALE	FL (US)
DP	MIAMI	1		KHWO	HOLLYWOOD	FL (US)
DP	DEEEP (RNAV)			KMIA	MIAMI	FL (US)
DP	JONZI (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1		KMIA	MIAMI	FL (US)
DP	MNATE (RNAV)			KMIA	MIAMI	FL (US)
DP	SOUBY	1		KMIA	MIAMI	FL (US)
DP	MIAMI	1		KOPF	MIAMI	FL (US)
DP	MIAMI	1		KTMB	MIAMI	FL (US)
DP	FORT LAUDERDALE	1		KPMP	POMPANO BEACH	FL (US)
EN ROUTE	G439	1				(US)
EN ROUTE	V3	1				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

CHANGED FIX MAKE-UP FACILITIES FAC 1 MAA FROM 17500 TO 45000.
UPDATED FIX USE.
ADDED EN ROUTE HIGH TO REQUIRED CHARTING.

DEVELOPED BY:

DATE: 03/28/2016

OFFICE: AJV-5413

NAME: JOHN THORNTON

APPROVED BY:

DATE: 06/24/2016

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: EONNS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 251748.19N/0795912.62W

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	FAC FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	H	150.78	146.78	35.95	35.95		3000	45000
2	BIMINI	ZBV	VORTAC	H	241.19	237.19		44.80		3000	45000
3	VIRGINIA KEY	VKZ	VOR/DME	H	165.49	161.49	28.71	28.71		3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ZBV	VORTAC	R-241	45	3000	14500

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	DEEEP (RNAV)			KMIA	MIAMI	FL (US)
DP	EONNS (RNAV)			KMIA	MIAMI	FL (US)
DP	JONZI (RNAV)			KMIA	MIAMI	FL (US)
DP	MIAMI	1, 2, 3		KMIA	MIAMI	FL (US)
DP	SOUBY	1, 2, 3		KMIA	MIAMI	FL (US)
EN ROUTE	A509	1, 2				(US)
EN ROUTE	G430	2, 3				(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/02/2013

REASON FOR REVISION:

UPDATED REMARKS TO SHOW WHICH NAVAIDS MAKE UP THE FIX.

DEVELOPED BY:

DATE: 01/14/2013

OFFICE: AJV-352

NAME: RONALD SALPINO

APPROVED BY:

DATE: 04/01/2013

OFFICE: AJV-352

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

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