

RADIO FIX AND HOLDING DATA RECORD

NAME: COOFS

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 255218.17N/0810037.52W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	DOLPHIN	DHP	VORTAC	H	280.98	276.98	36.06	36.06		3000	17500

REMARKS:

LEE COUNTY (FAC1) AND DOLPHIN (FAC2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PALMZ	1		KHST	HOMESTEAD	FL (US)
STAR	PALMZ	1		X51	HOMESTEAD	FL (US)
STAR	PALMZ	1		07FA	KEY LARGO	FL (US)
STAR	PALMZ	1		KMIA	MIAMI	FL (US)
STAR	PALMZ	1		KOPF	MIAMI	FL (US)
STAR	PALMZ	1		KTMB	MIAMI	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 04/22/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE: 04/01/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 254759.87N/0802056.53W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

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	H							45000

HOLDING: HOLDING TYPE OF ACTION: CANCEL

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	13

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

INFORMATION ONLY

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 27	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	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	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			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			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)
STAR	BLUF1	KFLL	FORT LAUDERDALE	FL (US)
STAR	DVALL	KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL	KFLL	FORT LAUDERDALE	FL (US)
STAR	BLUF1	KFXE	FORT LAUDERDALE	FL (US)
STAR	DVALL	KFXE	FORT LAUDERDALE	FL (US)
STAR	FORTL	KFXE	FORT LAUDERDALE	FL (US)
STAR	BLUF1	KHWO	HOLLYWOOD	FL (US)
STAR	FORTL	KHWO	HOLLYWOOD	FL (US)
STAR	BLUF1	KHST	HOMESTEAD	FL (US)
STAR	CYPRESS	KHST	HOMESTEAD	FL (US)
STAR	DVALL	KHST	HOMESTEAD	FL (US)
STAR	FOWEE	KHST	HOMESTEAD	FL (US)
STAR	PALMZ	KHST	HOMESTEAD	FL (US)
STAR	BLUF1	X51	HOMESTEAD	FL (US)
STAR	CYPRESS	X51	HOMESTEAD	FL (US)
STAR	FOWEE	X51	HOMESTEAD	FL (US)
STAR	PALMZ	X51	HOMESTEAD	FL (US)
STAR	WLACE (RNAV)	KUTX	JUPITER	FL (US)
STAR	BLUF1	07FA	KEY LARGO	FL (US)
STAR	CYPRESS	07FA	KEY LARGO	FL (US)
STAR	FOWEE	07FA	KEY LARGO	FL (US)
STAR	PALMZ	07FA	KEY LARGO	FL (US)
STAR	BLUF1	KMIA	MIAMI	FL (US)
STAR	CYPRESS	KMIA	MIAMI	FL (US)
STAR	DVALL	KMIA	MIAMI	FL (US)
STAR	FOWEE	KMIA	MIAMI	FL (US)
STAR	PALMZ	KMIA	MIAMI	FL (US)
STAR	BLUF1	KOPF	MIAMI	FL (US)
STAR	CYPRESS	KOPF	MIAMI	FL (US)
STAR	DVALL	KOPF	MIAMI	FL (US)
STAR	FORTL	KOPF	MIAMI	FL (US)
STAR	PALMZ	KOPF	MIAMI	FL (US)
STAR	BLUF1	KTMB	MIAMI	FL (US)
STAR	CYPRESS	KTMB	MIAMI	FL (US)
STAR	DVALL	KTMB	MIAMI	FL (US)
STAR	FOWEE	KTMB	MIAMI	FL (US)
STAR	PALMZ	KTMB	MIAMI	FL (US)
STAR	BLUF1	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)	F45	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, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1. RAISED PAT 1 MAX TEMPLATE FROM 9 TO 13.

2. ADDED STAR PALMZ FOR HOMESTEAD ARB, HOMESTEAD, FL (KHST), MIAMI EXEC, MIAMI, FL (KTMB), MIAMI HOMESTEAD GENERAL AVIATION, HOMESTEAD, FL (KX51), MIAMI INTL, MIAMI, FL (KMIA), MIAMI-OPA LOCKA EXEC, MIAMI, FL (KOPF), OCEAN REEF CLUB, KEY LARGO, FL (K07FA) IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE: 04/01/2021

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZMA

ATC FACILITY: MIA APP CON, MIA TOWER

OTHER:

INFORMATION ONLY

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: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	LEE COUNTY	RSW	VORTAC	L							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	NW	RSW	VORTAC	320.99	140.99	R	1		8000	14000	8	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-000674)	264130.01N/0815250.72W	548	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

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

INFORMATION ONLY

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)			KFMV	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	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	LGTNG			KTPA	TAMPA	FL (US)
DP	TAMPA			KTPA	TAMPA	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (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			KFMV	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 13			KFMV	FORT MYERS	FL (US)
IAP	RNAV (GPS) RWY 31			KFMV	FORT MYERS	FL (US)
IAP	VOR RWY 13			KFMV	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 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	TTYLR			KBCT	BOCA RATON	FL (US)
STAR	BRDGE			KCLW	CLEARWATER	FL (US)
STAR	FORTL		1	KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL		1	KFXE	FORT LAUDERDALE	FL (US)
STAR	JOSFF			KFMV	FORT MYERS	FL (US)
STAR	SHFTY (RNAV)			KFMV	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)			KFMV	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	1	KHWO	HOLLYWOOD	FL (US)
STAR	PALMZ		KHST	HOMESTEAD	FL (US)
STAR	PALMZ		X51	HOMESTEAD	FL (US)
STAR	TTYLR		06FA	JUPITER	FL (US)
STAR	PALMZ		07FA	KEY LARGO	FL (US)
STAR	MINEE		KLEE	LEESBURG	FL (US)
STAR	SHIFTY (RNAV)		KMKY	MARCO ISLAND	FL (US)
STAR	MINEE		KCOI	MERRITT ISLAND	FL (US)
STAR	PALMZ		KMIA	MIAMI	FL (US)
STAR	FORTL	1	KOPF	MIAMI	FL (US)
STAR	PALMZ		KOPF	MIAMI	FL (US)
STAR	PALMZ		KTMB	MIAMI	FL (US)
STAR	SHIFTY (RNAV)		KAPF	NAPLES	FL (US)
STAR	MINEE		KISM	ORLANDO	FL (US)
STAR	MINEE		KMCO	ORLANDO	FL (US)
STAR	MINEE		KORL	ORLANDO	FL (US)
STAR	MINEE		KSFB	ORLANDO	FL (US)
STAR	FORTL	1	KPMP	POMPANO BEACH	FL (US)
STAR	BRDGE		KSPG	ST PETERSBURG	FL (US)
STAR	BRDGE		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	TTYLR		KSUA	STUART	FL (US)
STAR	BRDGE		KMCF	TAMPA	FL (US)
STAR	BRDGE		KTPA	TAMPA	FL (US)
STAR	BRDGE		KTPF	TAMPA	FL (US)
STAR	BRDGE		KVDF	TAMPA	FL (US)
STAR	MINEE		KTIX	TITUSVILLE	FL (US)
STAR	TTYLR		F45	WEST PALM BEACH	FL (US)
STAR	TTYLR		KLNA	WEST PALM BEACH	FL (US)
STAR	TTYLR		KPBI	WEST PALM BEACH	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

1. CHANGED PAT 1 INBOUND COURSE FROM 121.97 TO 140.99
2. CHANGED PAT 1 RAD/CRS/BRG FROM 301.97 TO 320.99
3. CHANGED PAT 1 CONTROLLING OBSTACLE FROM 510 TOWER TO 548 TOWER

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: KELLIE BARNES

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: PALMZ STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 255525.39N/0813033.31W TYPE: DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	LEE COUNTY	RSW	VORTAC	L	160.31	158.31	39.01	39.01	7000	17500
2	DOLPHIN	DHP	VORTAC	H	280.98	276.98	63.23	63.23	7000	17500
3	SARASOTA	SRQ	VOR/DME	H	152.20	147.20	105.29	105.29	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SRQ	VOR/DME	R-152	106	7000	14500
DHP	VORTAC	R-281	64	7000	14500

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PALMZ	1, 2, 3		KHST	HOMESTEAD	FL (US)
STAR	PALMZ	1, 2, 3		X51	HOMESTEAD	FL (US)
STAR	PALMZ	1, 2, 3		07FA	KEY LARGO	FL (US)
STAR	PALMZ	1, 2, 3		KMIA	MIAMI	FL (US)
STAR	PALMZ	1, 2, 3		KOPF	MIAMI	FL (US)
STAR	PALMZ	1, 2, 3		KTMB	MIAMI	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 04/22/2021

REASON FOR REVISION:

1/13/21. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/18/20.
 1. FAC 1, 2, 3 MRA CHANGED FROM 3000 TO 7000.
 2. ESV MIN ALT FOR DHP, SRQ CHANGED FROM 3000 TO 7000.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: PHILLIP BRANDENBURG
 APPROVED BY: DATE: 04/01/2021 OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE:

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

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 255319.63N/0811019.67W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	DOLPHIN	DHP	VORTAC	H	280.98	276.98	44.87	44.87	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
DHP	VORTAC	R-281	45	7000	14500

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	TEMPLATES MIN	MAX
1	W		WP	280.98	100.98	R		10	7000	10000	14	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003097)	255436.35N/0812149.28W	307	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INFORMATION ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PALMZ	1	1	KHST	HOMESTEAD	FL (US)
STAR	PALMZ	1	1	X51	HOMESTEAD	FL (US)
STAR	PALMZ	1	1	07FA	KEY LARGO	FL (US)
STAR	PALMZ	1	1	KMIA	MIAMI	FL (US)
STAR	PALMZ	1	1	KOPF	MIAMI	FL (US)
STAR	PALMZ	1	1	KTMB	MIAMI	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/22/2021

REASON FOR REVISION:

1/13/21. THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/18/20.
 1. FAC 1 MRA CHANGED FROM 3000 TO 7000.
 2. ESV FOR DHP CHANGED FROM 3000 TO 7000.
 3. PAT 1 MIN ALT CHANGED FROM 3000 TO 7000.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** PHILLIP BRANDENBURG

APPROVED BY: **DATE:** 04/01/2021 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 272425.26N/0823349.18W TYPE:

AIRSPACE DOCKET: 19-ASO-7 FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SARASOTA	SRQ	VOR/DME	H							45000

HOLDING: HOLDING TYPE OF ACTION: CANCEL

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (12-002454)	272431.15N/0821459.32W	1749	3C

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 7000 FEET.

INFORMATION ONLY

REMARKS:

UNPLANNED HOLDING OBSTACLE LOCATED 2960 FEET FROM INNER EDGE OF SECONDARY AREA.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SRQ MAGVAR 5W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
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	CSHEL (RNAV)			KMKY	MARCO ISLAND	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	SARASOTA			KSRQ	SARASOTA/BRADENTON	FL (US)
DP	ST. PETE			KPIE	ST PETERSBURG/CLEARWATER	FL (US)
DP	LGTNG			KTPA	TAMPA	FL (US)
DP	TAMPA			KTPA	TAMPA	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	Q100					(US)
EN ROUTE	V579					(US)
IAP	ILS OR LOC RWY 14			KSRQ	SARASOTA (BRADENTON)	FL (US)
IAP	ILS OR LOC RWY 32			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 14			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 32			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 4			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	VOR RWY 14			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 7			KSPG	ST PETERSBURG	FL (US)
IAP	ILS OR LOC RWY 18			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 36			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (CAT II)	1		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS) RWY 36			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 36			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR/DME-B (SPECIAL)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 19L (ALTERNATE MISSED)			KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 19R (ALTERNATE MISSED)			KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (CAT II) (ALTERNATE MISSED)			KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (SA CAT I) (ALTERNATE MISSED)			KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 36			KTPF	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 5			KVDF	TAMPA	FL (US)
STAR	PRRIE (RNAV)			KBCT	BOCA RATON	FL (US)
STAR	FORTL			KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL			KFXE	FORT LAUDERDALE	FL (US)
STAR	JOSFF			KFMY	FORT MYERS	FL (US)
STAR	JOSFF			KRSW	FORT MYERS	FL (US)
STAR	FORTL			KHWO	HOLLYWOOD	FL (US)
STAR	CYPRESS			KHST	HOMESTEAD	FL (US)
STAR	CYPRESS			X51	HOMESTEAD	FL (US)
STAR	WLACE (RNAV)			06FA	JUPITER	FL (US)
STAR	CYPRESS			07FA	KEY LARGO	FL (US)
STAR	BLOND (RNAV)			KLAL	LAKELAND	FL (US)
STAR	MINEE			KLEE	LEESBURG	FL (US)
STAR	ZEILR			KMKY	MARCO 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	ZEILR	KAPF	NAPLES	FL (US)
STAR	MINEE	KISM	ORLANDO	FL (US)
STAR	MINEE	KMCO	ORLANDO	FL (US)
STAR	MINEE	KORL	ORLANDO	FL (US)
STAR	MINEE	KSFB	ORLANDO	FL (US)
STAR	BLOND (RNAV)	KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	CLAMP	KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BLOND (RNAV)	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DEAKK (RNAV)	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	WLACE (RNAV)	KSUA	STUART	FL (US)
STAR	BLOND (RNAV)	KMCF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KMCF	TAMPA	FL (US)
STAR	BLOND (RNAV)	KTPA	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KTPA	TAMPA	FL (US)
STAR	BLOND (RNAV)	KVDF	TAMPA	FL (US)
STAR	DEAKK (RNAV)	KVDF	TAMPA	FL (US)
STAR	MINEE	KTIX	TITUSVILLE	FL (US)
STAR	CLAMP	KVNC	VENICE	FL (US)
STAR	WLACE (RNAV)	F45	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, MILITARY STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:
AIRSPACE DOCKET: ADD 9-ASO-7
FIX USE: DELETE J614 AND J616

INFORMATION ONLY

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: LEE STUCKEY

APPROVED BY:

DATE: 10/31/2019

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: PIE TOWER, SRQ APP CON, TPA APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ST PETERSBURG VORTAC STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 275427.95N/0824103.51W 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	ST PETERSBURG	PIE	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	N	PIE	VORTAC	344.22	164.22	R	1	2700 6000	4 5
2	W	PIE	VORTAC	276.00	096.00	R	1	2000 6000	4 5
3	N		WP	337.97	157.97	R	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002427)	275646.00N/0824710.00W	378	5D
2	200	TOWER (12-002201)	275201.58N/0823725.87W	660	1A
2	310	TOWER (12-002201)	275201.58N/0823725.87W	660	1A
3	200	TOWER (12-002427)	275646.00N/0824710.00W	378	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS RWY 1L (CAT II & III)	KTPA	TAMPA	FL (US)
2	ILS OR LOC RWY 1L	KTPA	TAMPA	FL (US)
2	ILS OR LOC RWY 19R	KTPA	TAMPA	FL (US)
2	ILS RWY 1L (SA CAT I)	KTPA	TAMPA	FL (US)

REMARKS:

ASSIGNED FACILITY MAGVAR: 5W (2010).
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INFORMATION ONLY

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	MELBOURNE			KMLB	MELBOURNE	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	SARASOTA			KSRQ	SARASOTA/BRADENTON	FL (US)
DP	ST PETE			KPIE	ST PETERSBURG/CLEARWATER	FL (US)
DP	LGTNG			KTPA	TAMPA	FL (US)
DP	TAMPA			KTPA	TAMPA	FL (US)
DP	PALM BEACH			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	Q104					(US)
EN ROUTE	V152					(US)
EN ROUTE	V35					(US)
EN ROUTE	V441					(US)
EN ROUTE	V509					(US)
EN ROUTE	V533					(US)
EN ROUTE	V579					(US)
EN ROUTE	V581					(US)
EN ROUTE	V97					(US)
IAP	ILS OR LOC RWY 9			KBKV	BROOKSVILLE	FL (US)
IAP	ILS OR LOC RWY 9			KLAL	LAKELAND	FL (US)
IAP	ILS RWY 9 (SA CAT I & II)			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 27			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 9			KLAL	LAKELAND	FL (US)
IAP	RNAV (GPS) RWY 10			KPCM	PLANT CITY	FL (US)
IAP	RNAV (GPS) RWY 14			KSRQ	SARASOTA (BRADENTON)	FL (US)
IAP	ILS OR LOC RWY 14			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	ILS OR LOC RWY 32			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 22			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	VOR RWY 14			KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 18		3	KSPG	ST PETERSBURG	FL (US)
IAP	RNAV (GPS) RWY 7			KSPG	ST PETERSBURG	FL (US)
IAP	VOR RWY 18		1	KSPG	ST PETERSBURG	FL (US)
IAP	ILS OR LOC RWY 18			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 36			KPIE	ST PETERSBURG-CLEARWATER	FL (US)

IAP	ILS RWY 18 (SA CAT I & II)		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	NORTH BAY VISUAL RWY 18		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS) RWY 18		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS) RWY 36		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 36		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 4		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR-B		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 19L		KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 19R	2	KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 1L	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (CAT II)		KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (SA CAT I)		KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (CAT II & III)	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (SA CAT I)	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 1R		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 10		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 19R		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 1L		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 28		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 22		KTPF	TAMPA	FL (US)
IAP	ILS OR LOC RWY 23	2	KVDF	TAMPA	FL (US)
STAR	BRDGE		KCLW	CLEARWATER	FL (US)
STAR	FORTL		KFLL	FORT LAUDERDALE	FL (US)
STAR	FORTL		KFXE	FORT LAUDERDALE	FL (US)
STAR	JOSFF		KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	JOSFF		KRSW	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KRSW	FORT MYERS	FL (US)
STAR	FORTL		KHWO	HOLLYWOOD	FL (US)
STAR	PALMZ		KHST	HOMESTEAD	FL (US)
STAR	PALMZ		X51	HOMESTEAD	FL (US)
STAR	PALMZ		07FA	KEY LARGO	FL (US)
STAR	MINEE		KLEE	LEESBURG	FL (US)
STAR	ZEILR		KMKY	MARCO ISLAND	FL (US)
STAR	MINEE		KCOI	MERRITT ISLAND	FL (US)
STAR	PALMZ		KMIA	MIAMI	FL (US)
STAR	FORTL		KOPF	MIAMI	FL (US)
STAR	PALMZ		KOPF	MIAMI	FL (US)
STAR	PALMZ		KTMB	MIAMI	FL (US)
STAR	ZEILR		KAPF	NAPLES	FL (US)
STAR	MINEE		KISM	ORLANDO	FL (US)
STAR	MINEE		KMCO	ORLANDO	FL (US)
STAR	MINEE		KORL	ORLANDO	FL (US)
STAR	MINEE		KSFB	ORLANDO	FL (US)
STAR	FORTL		KPMP	POMPAÑO BEACH	FL (US)
STAR	BRDGE		KSPG	ST PETERSBURG	FL (US)
STAR	DARBS		KSPG	ST PETERSBURG	FL (US)
STAR	LZARD		KSPG	ST PETERSBURG	FL (US)
STAR	BRDGE		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DARBS		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	LZARD		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	BRDGE		KMCF	TAMPA	FL (US)
STAR	DARBS		KMCF	TAMPA	FL (US)
STAR	LZARD		KMCF	TAMPA	FL (US)
STAR	BRDGE		KTPA	TAMPA	FL (US)
STAR	DARBS		KTPA	TAMPA	FL (US)
STAR	LZARD		KTPA	TAMPA	FL (US)
STAR	BRDGE		KTPF	TAMPA	FL (US)
STAR	DARBS		KTPF	TAMPA	FL (US)
STAR	LZARD		KTPF	TAMPA	FL (US)
STAR	BRDGE		KVDF	TAMPA	FL (US)
STAR	LZARD		KVDF	TAMPA	FL (US)
STAR	MINEE		KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 12/02/2021

REASON FOR REVISION:

UPDATED FIX USE, REMOVED CLAMP STAR AND ASSOCIATED AIRPORTS.

INFORMATION ONLY

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: