

RADIO FIX AND HOLDING DATA RECORD

NAME: CAPOK LOM

STATE: FL

COUNTRY: US

LATITUDE/LONGITUDE: 275942.79N/0824211.05W

TYPE: RADAR, 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 NM	FAC FEET	MRA	MAA
1	CAPOK	PI	LOM								14000
2	ST PETERSBURG-CLEARWATER	I-PIE	LOC		356.31	351.31		6.05	36741	1500	4500
3	ST PETERSBURG	PIE	VORTAC	H			5.33	5.33		1500	14000

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	I-PIE	LOC	356.31	176.31	R	1		1700	4500	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001673)	280222.00N/0823928.00W	649	2C

HOLDING RESTRICTIONS:

PAT 1 CHART 200K ICON
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE ST PETERSBURG-CLEARWATER LOM.
ACTUAL FACILITY LOCATION IS 275942.40N/0824213.90W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18	1, 2, 3	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (CAT II)	1, 2, 3	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I)	1, 2, 3	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 4	1, 3	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

UPDATED FIX USE.

DEVELOPED BY: DATE: 03/01/2016 OFFICE: AJV-5412 NAME: STEVE BRUMMETT

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ADOLFO D URRUTIA

DISTRIBUTION:

NFDC
FPO: EST Jul 14, 2016
ARTCC: ZMA
ATC FACILITY: PIE ATCT/ TPA APCH CON
OTHER: ZJX

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBBD

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281035.87N/0824403.84W

TYPE: CNF

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

ILS OR LOC RWY 18

KPIE

ST PETERSBURG-CLEARWATER

FL (US)

IAP

ILS RWY 18 (CAT II)

KPIE

ST PETERSBURG-CLEARWATER

FL (US)

IAP

ILS RWY 18 (SA CAT I)

KPIE

ST PETERSBURG-CLEARWATER

FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

TO CORRECT SIAP SUPPORT RECORD (I-PIE LOC WAS SHOWN IN HISTORY STATUS).

DEVELOPED BY:

DATE: 03/02/2016

OFFICE: AJV-5412

NAME: STEVE BRUMMETT

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ADOLFO D URRUTIA

DISTRIBUTION:

NFDC

FPO: EST

Jul 14, 2016

ARTCC: ZMA

ATC FACILITY: TPA APP CON/PIE ATCT

OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DARBS

STATE: FL

COUNTRY: US

LATITUDE/LONGITUDE: 281159.97N/0825157.11W

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	ST PETERSBURG	PIE	VORTAC	H	336.18	331.18	19.97	19.97		2000	17500
2	LAKELAND	LAL	VORTAC	H	285.00	286.00		46.99		2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LAL	VORTAC	R-285	47	2000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ST PETERSBURG (FAC 1) AND LAKELAND (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V97	1, 2				(US)
IAP	ILS OR LOC RWY 18	1		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)	1		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS)-A			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	RNAV (GPS) Z RWY 19L			KTPA	TAMPA	FL (US)
IAP	RNAV (RNP) Y RWY 19L			KTPA	TAMPA	FL (US)
STAR	DARBS	1, 2		KSPG	ST PETERSBURG	FL (US)
STAR	DARBS	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	DARBS	1, 2		KMCF	TAMPA	FL (US)
STAR	DARBS	1, 2		KTPA	TAMPA	FL (US)
STAR	FOOXX (RNAV)			KTPA	TAMPA	FL (US)
STAR	DARBS	1, 2		KTPF	TAMPA	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

UPDATED FIX USE.

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5412

NAME: STEVE BRUMMETT

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ADOLFO D URRUTIA

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: TPA APP CON/PIE ATCT

OTHER:

Jul 14, 2016

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JINPI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 275647.55N/0824140.87W

TYPE: RADAR, 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	ST PETERSBURG-CLEARWATER	I-PIE	LOC		356.31	351.31		3.10		340	4500
2	ST PETERSBURG	PIE	VORTAC	H			2.38	2.38		340	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

LOWERED MRA OF FAC 1 AND 2
UPDATED FIX USE

DEVELOPED BY: DATE: 05/22/2016

OFFICE: AJV-5412

NAME: STEVE BRUMMETT

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ADOLFO D URRUTIA

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: PIE ATCT, TPA APP CON
OTHER: ZJX
Jul 14, 2016

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JRGAL

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 273512.48N/0823624.61W

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	SARASOTA	SRQ	VOR/DME	H	352.92	347.92	11.00	11.00	2000	17500
2	LAKELAND	LAL	VORTAC	H	232.00	233.00		39.58	2000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S		WP	175.54	355.54	R		2000	6000	4	6
2	N	SRQ	VOR/DME	352.92	172.92	R	1	2000	6000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001740)	273243.00N/0823427.00W	649	5D
2	200	TOWER (12-001740)	273243.00N/0823427.00W	649	5D
2	265	TOWER (12-001740)	273243.00N/0823427.00W	649	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

SARASOTA (FAC 1) AND LAKELAND (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V579	1, 2				(US)
IAP	RNAV (GPS) RWY 36		1	KSPG	ST PETERSBURG	FL (US)
IAP	ILS OR LOC RWY 18	1, 2	2	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (CAT II)	1, 2	2	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I)	1, 2	2	KPIE	ST PETERSBURG-CLEARWATER	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

FAC 1 FIX MAKE-UP FACILITY CHANGED FROM VORTAC TO VOR/DME.
PAT 2 TYPE CHANGED FROM VORTAC TO VOR/DME.
UPDATED FIX USE.

DEVELOPED BY:

DATE: 05/25/2016

OFFICE: AJV-5411

NAME: TOMMY BYRNS

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

ADOLFO D URRUTIA

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON/PIE ATCT
OTHER:

Jul 14, 2016

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAFAL STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 275436.05N/0825005.24W 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	MRA	MAA
1	ST PETERSBURG	PIE	VORTAC	H	276.00	271.00	8.00	8.00	1600	17500
2	SARASOTA	SRQ	VOR/DME	H	339.42	334.42		33.38	1600	17500

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	W	PIE	VORTAC	276.00	096.00	R	1	1700 6000	9 11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (12-001575)	275052.90N/0824548.31W	649	2B

HOLDING RESTRICTIONS:
 HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ST PETERSBURG (FAC 1) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 265 KIAS TO SUPPORT MILITARY HOLDING.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18	1, 2	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 36	1, 2	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (CAT II)	1, 2	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I)	1, 2	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	VOR RWY 36	1, 2	1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 19R	1, 2	1	KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 1L	1, 2	1	KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (CAT II-III)	1, 2	1	KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (SA CAT I)	1, 2	1	KTPA	TAMPA	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 DATE OF REVISION: 09/15/2016

REASON FOR REVISION:

FAC 2 FIX MAKE-UP FACILITY CHANGED FROM VORTAC TO VOR/DME.
 UPDATED FIX USE.

DEVELOPED BY: DATE: 05/25/2016 OFFICE: AJV-5411 NAME: TOMMY BYRNS

APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*
ADOLFO D URRUTIA

DISTRIBUTION: NFDC Jul 14, 2016
 FPO: EST
 ARTCC: ZMA
 ATC FACILITY: TPA APP CON/ PIE ATCT
 OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ST PETERSBURG VORTAC

STATE: FL

COUNTRY: US

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	MRA FEET	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	1-1 1/2	2700 17500	4 16
2	W	PIE	VORTAC	276.00	096.00	R	1-1 1/2	1700 17500	4 16
3	N		WP	337.97	157.97	R	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	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 PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	ILS OR LOC RWY 01L	KTPA	TAMPA	FL (US)
2	ILS RWY 01L (CAT II)	KTPA	TAMPA	FL (US)
2	ILS RWY 01L (SA CAT I)	KTPA	TAMPA	FL (US)
2	ILS RWY 01L (CAT III)	KTPA	TAMPA	FL (US)

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	MELBOURNE			KMLB	MELBOURNE	FL (US)
DP	NAPLES (OBSTACLE)			KAPF	NAPLES	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD (OBSTACLE)			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 (OBSTACLE)			KPBI	WEST PALM BEACH	FL (US)
EN ROUTE	J119					(US)
EN ROUTE	J41					(US)
EN ROUTE	J43					(US)
EN ROUTE	Q104					(US)
EN ROUTE	V152					(US)
EN ROUTE	V35					(US)
EN ROUTE	V441					(US)
EN ROUTE	V492					(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/DME RWY 9			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)

QUALITY
4
CHECKED

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)		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I)		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	RNAV (GPS)-A		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/DME-B (SPECIAL)		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS OR LOC RWY 01L	2	KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 19L		KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 19R		KTPA	TAMPA	FL (US)
IAP	ILS RWY 01L (CAT II)	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 01L (CAT III)	2	KTPA	TAMPA	FL (US)
IAP	ILS RWY 01L (SA CAT I)	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	RNAV (GPS) RWY 01L		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 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)
IAP	NDB RWY 18		KZPH	ZEPHYRHILLS	FL (US)
IAP	NDB RWY 22		KZPH	ZEPHYRHILLS	FL (US)
IAP	NDB RWY 36		KZPH	ZEPHYRHILLS	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	TYNEE		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		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	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	CYPRESS		KOPF	MIAMI	FL (US)
STAR	FORTL		KOPF	MIAMI	FL (US)
STAR	CYPRESS		KTMB	MIAMI	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	FORTL		KPMP	POMPANO BEACH	FL (US)
STAR	CLAMP		KSRQ	SARASOTA/BRADENTON	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	FOOXX (RNAV)		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	COSTR (RNAV)		KTIX	TITUSVILLE	FL (US)
STAR	MINEE		KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO



RECORD REVISION NUMBER: 19

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:
UPDATED FIX USE.

DEVELOPED BY: DATE: 04/27/2016 OFFICE: AJV-5412 NAME: STEVE BRUMMETT
APPROVED BY: DATE: OFFICE: AJV-5410 NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by***ADOLFO D URRUTIA**

DISTRIBUTION: NFDC
FPO: EST Jul 14, 2016
ARTCC: ZMA, ZJX
ATC FACILITY: TPA APP CON/PIE ATCT
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIPSO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281216.45N/0824421.23W

TYPE: RADAR, 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	ST PETERSBURG-CLEARWATER	I-PIE	LOC		356.31	351.31		18.72		3000	4500
2	ST PETERSBURG	PIE	VORTAC	H			18.00	18.00		1500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PIE	LOC	BRG-356	19	3000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ST PETERSBURG-CLEARWATER (FAC 1) AND ST PETERSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (CAT II)	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I)	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

UPDATED FIX USE.

DEVELOPED BY: DATE: 03/01/2016

OFFICE: AJV-5412

NAME: STEVE BRUMMETT

APPROVED BY: DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON/PIE ATCT
OTHER:

QUALITY
4
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEPUM

STATE: FL

COUNTRY: US

LATITUDE/LONGITUDE: 280619.65N/0824319.54W

TYPE: RADAR, 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 NM	FAC FEET	MRA	MAA
1	ST PETERSBURG-CLEARWATER	I-PIE	LOC		356.31	351.31		12.72		2600	4500
2	ST PETERSBURG	PIE	VORTAC	H			12.00	12.00		2600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ST PETERSBURG-CLEARWATER (FAC 1) AND ST PETERSBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18L	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18L (CAT II)	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18L (SA CAT I)	1, 2		KPIE	ST PETERSBURG-CLEARWATER	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

UPDATED FIX USE.

DEVELOPED BY:

DATE: 03/01/2016

OFFICE: AJV-5412

NAME: STEVE BRUMMETT

APPROVED BY:

DATE:

OFFICE: AJV-5410

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZMA
ATC FACILITY: TPA APP CON/PIE ATCT
OTHER:

QUALITY
4
CHECKED