

RADIO FIX AND HOLDING DATA RECORD

NAME: BOXKR

STATE: OG

COUNTRY: US

ICAO REGION CODE: K

LATITUDE/LONGITUDE: 273509.57N/0831755.64W

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	FAC FEET	MRA	MAA
1	LAKELAND	LAL	VORTAC	H	250.00	251.00	72.45	72.45		13000	45000
2	SARASOTA	SRQ	VOR/DME	H	290.44	285.44	40.66	40.66		13000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LAL	VORTAC	R-250	73	13000	45000
SRQ	VOR/DME	R-290	41	13000	14600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

LAKELAND (FAC 1) AND SARASOTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MINEE	1, 2		KLEE	LEESBURG	FL (US)
STAR	MINEE	1, 2		KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE	1, 2		KISM	ORLANDO	FL (US)
STAR	MINEE	1, 2		KMCO	ORLANDO	FL (US)
STAR	MINEE	1, 2		KORL	ORLANDO	FL (US)
STAR	MINEE	1, 2		KSFB	ORLANDO	FL (US)
STAR	MINEE	1, 2		KTIX	TITUSVILLE	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: REMOVED COSTR STAR ENTRIES FOR KX04, KCOF, KLEE, KMLB, KCOI, KISM, KMCO, KORL, KSFB, AND KTIX.
2. REQUIRED CHARTING: UPDATED CONTROLLER TO CONTROLLER HIGH.
3. TYPE: REMOVED WP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE: 10/07/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DOWNN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 273038.76N/0814523.68W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	LAKELAND	LAL	VORTAC	H	153.23	154.23	31.57	31.57		2300	17500
2	SARASOTA	SRQ	VOR/DME	H	086.61	081.61		43.52		2300	45000
3	LEE COUNTY	RSW	VORTAC	L	003.00	001.00	58.70	58.70		10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SRQ	VOR/DME	R-087	44	2300	14600
RSW	VORTAC	R-003	59	10000	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	S	RSW	VORTAC	003.00	003.00	L	1 1/2	10000 23000	11 21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (12-004424)	273838.60N/0814758.80W	813	5D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

LAKELAND (FAC 1) AND SARASOTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PAT 1 265K AIRSPEED USED FOR HOLDING ABOVE 10,000.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V521	1, 2, 3				(US)
EN ROUTE	V157	1, 2, 3				FL (US)
IAP	RNAV (GPS) RWY 10			KAVO	AVON PARK	FL (US)
STAR	MINEE	1, 2, 3	1	KLEE	LEESBURG	FL (US)
STAR	MINEE	1, 2, 3	1	KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE	1, 2, 3	1	KISM	ORLANDO	FL (US)
STAR	MINEE	1, 2, 3	1	KMCO	ORLANDO	FL (US)
STAR	MINEE	1, 2, 3	1	KORL	ORLANDO	FL (US)
STAR	MINEE	1, 2, 3	1	KSFB	ORLANDO	FL (US)
STAR	MINEE	1, 2, 3	1	KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

- FIX USE: REMOVED COSTR (RNAV) STAR/PAT 1 ENTRIES FOR KX04, KCOF, KLEE, KMLB, KCOI, KISM, KMCO, KORL, KSFB, AND KTIX.
- HOLDING PATTERNS: DELETED PAT 1; ALL PAT 2 DATA NOW BECOMES PAT 1 DATA.
- CONTROLLING OBSTRUCTIONS: DELETED PAT 1 DATA; ALL PAT 2 DATA NOW BECOMES PAT 1 DATA.
- REASON FOR NONSTANDARD HOLDING: DELETED PAT 2 ATC REQUEST.
- HOLDING RESTRICTIONS: CHANGED "PATTERNS" TO "PATTERN".
- REMARKS: DELETED KMCO 6W MAG VAR USED FOR PAT 1.
- REMARKS: UPDATED FROM PAT 2 265K AIRSPEED USED FOR HOLDING ABOVE 10,000 TO PAT 1 265K AIRSPEED USED FOR HOLDING ABOVE 10,000.
- FIX USE: ALL MINEE STAR ENTRIES: UPDATED FROM PAT 2 TO PAT 1.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE: 10/07/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: GUMMY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 274935.41N/0823156.47W

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 NM	FAC FEET	MRA	MAA
1	ST PETERSBURG	PIE	VORTAC	H	126.00	121.00	9.43	9.43		13000	45000
2	LAKELAND	LAL	VORTAC	H	250.00	251.00	29.17	29.17		13000	45000

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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
STAR	MINEE	1, 2		KLEE	LEESBURG	FL (US)
STAR	MINEE	1, 2		KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE	1, 2		KISM	ORLANDO	FL (US)
STAR	MINEE	1, 2		KMCO	ORLANDO	FL (US)
STAR	MINEE	1, 2		KORL	ORLANDO	FL (US)
STAR	MINEE	1, 2		KSFB	ORLANDO	FL (US)
STAR	MINEE	1, 2		KTIK	TITUSVILLE	FL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: REMOVED COSTR STAR ENTRIES FOR KX04, KCOF, KLEE, KMLB, KCOI, KISM, KMCO, KORL, KSFB, AND KTIK.
2. DELETED HOLDING PATTERN, HOLDING PATTERN CONTROLLING OBSTRUCTION, AND HOLDING RESTRICTIONS.
3. REMARKS: REMOVED PRECIPITOUS TERRAIN EVALUATION COMPLETED, AND KMCO 6W MAG VAR USED FOR PAT 1.
4. TYPE: REMOVED WP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MARK CIARLONE

APPROVED BY:

DATE: 10/07/2021

OFFICE: AVJ-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: LAKELAND VORTAC

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 275910.31N/0820050.06W

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	LAKELAND	LAL	VORTAC	VH						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	E	LAL	VORTAC	095.09	275.09	L	1	2000 17500	4 16
2	W		WP	280.81	100.81	R		2000 17500	4 17
3	W	LAL	VORTAC	251.00	071.00	R	1	2000 17500	4 16
4	W		WP	257.00	077.00	R		2000 6000	4 6
5	W	LAL	VORTAC	281.00	101.00	R	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003145)	275628.60N/0815451.30W	829	2C
2	200	TOWER (12-020527)	275436.16N/0815932.06W	550	1A
3	200	TOWER (12-020527)	275436.16N/0815932.06W	550	1A
4	200	TOWER (12-020527)	275436.16N/0815932.06W	550	1A
5	200	TOWER (12-020527)	275436.16N/0815932.06W	550	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: E1 EPOCH YR: 1965.

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)
EN ROUTE	V157					(US)
EN ROUTE	V441					(US)
EN ROUTE	V511					(US)
EN ROUTE	V521					(US)
EN ROUTE	V533					(US)
EN ROUTE	V7					(US)
IAP	RNAV (GPS) RWY 27R			KBOW	BARTOW	FL (US)
IAP	VOR RWY 9L		5	KBOW	BARTOW	FL (US)
IAP	ILS OR LOC RWY 9			KBKV	BROOKSVILLE	FL (US)
IAP	RNAV (GPS) RWY 6			X07	LAKE WALES	FL (US)
IAP	ILS OR LOC RWY 10			KLAL	LAKELAND	FL (US)
IAP	ILS RWY 10 (CAT II & III)			KLAL	LAKELAND	FL (US)
IAP	ILS RWY 10 (SA CAT I)			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 10			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 28			KLAL	LAKELAND	FL (US)
IAP	ILS OR LOC RWY 15			KISM	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 17L			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 17R			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 18R			KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 35R			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (CAT II & III)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (SA CAT I)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17R (CAT II)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35R (CAT II & III)			KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35R (SA CAT I)			KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 10		2	KPCM	PLANT CITY	FL (US)
IAP	VOR RWY 28		1	KPCM	PLANT CITY	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	VOR RWY 14		KSRQ	SARASOTA (BRADENTON)	FL (US)
IAP	ILS OR LOC RWY 18		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
IAP	ILS RWY 18 (SA CAT I & II)		KPIE	ST PETERSBURG-CLEARWATER	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 19L (CAT II)		KTPA	TAMPA	FL (US)
IAP	ILS RWY 19L (SA CAT I)		KTPA	TAMPA	FL (US)
IAP	LOC RWY 1R	5	KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 1R		KTPA	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 22	4	KTPF	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 36	4	KTPF	TAMPA	FL (US)
IAP	ILS OR LOC RWY 23	1	KVDF	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 23	4	KVDF	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 5	4	KVDF	TAMPA	FL (US)
IAP	RNAV (GPS) RWY 18		KCHN	WAUCHULA	FL (US)
IAP	RNAV (GPS) RWY 5		KGIF	WINTER HAVEN	FL (US)
IAP	VOR-A	3	KGIF	WINTER HAVEN	FL (US)
STAR	GOOFY		X04	APOPKA	FL (US)
STAR	BRDGE		KCLW	CLEARWATER	FL (US)
STAR	GOOFY		KLEE	LEESBURG	FL (US)
STAR	MINEE		KLEE	LEESBURG	FL (US)
STAR	GOOFY		KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE		KCOI	MERRITT ISLAND	FL (US)
STAR	GOOFY		KISM	ORLANDO	FL (US)
STAR	LEESE		KISM	ORLANDO	FL (US)
STAR	MINEE		KISM	ORLANDO	FL (US)
STAR	GOOFY		KMCO	ORLANDO	FL (US)
STAR	LEESE		KMCO	ORLANDO	FL (US)
STAR	MINEE		KMCO	ORLANDO	FL (US)
STAR	GOOFY		KORL	ORLANDO	FL (US)
STAR	LEESE		KORL	ORLANDO	FL (US)
STAR	MINEE		KORL	ORLANDO	FL (US)
STAR	GOOFY		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	DADES (RNAV)		KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	BRDGE		KMCF	TAMPA	FL (US)
STAR	DADES (RNAV)		KMCF	TAMPA	FL (US)
STAR	BRDGE		KTPA	TAMPA	FL (US)
STAR	DADES (RNAV)		KTPA	TAMPA	FL (US)
STAR	BRDGE		KTPF	TAMPA	FL (US)
STAR	BRDGE		KVDF	TAMPA	FL (US)
STAR	DADES (RNAV)		KVDF	TAMPA	FL (US)
STAR	GOOFY		KTIX	TITUSVILLE	FL (US)
STAR	MINEE		KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 33

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. REMOVED HOLDING PATTERN LAL ON RAD 283.71 AND ASSOCIATED DATA.
2. FIX USE: REMOVED "VOR/DME-B" AT X07.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: EMMANUEL GONZALES

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 263147.59N/0814632.77W 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	LEE COUNTY	RSW	VORTAC	VL						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	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.

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	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			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	ILS OR LOC/DME RWY 6			KRSW	FORT MYERS	FL (US)
IAP	VOR OR TACAN RWY 24			KRSW	FORT MYERS	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	SHFTY (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)			KFMY	FORT MYERS	FL (US)
STAR	SHFTY (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	SHFTY (RNAV)	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	SHFTY (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	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: 21

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

REMOVED IAP VOR RWY 23 AND VOR RWY 5 FOR KAPF AIRPORT FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: SILVIA YOUNG

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A432

NAME: JOSEPH ZEDER

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MOANS STATE: FL COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 275449.97N/0814454.89W 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	MRA	MAA
1	LEE COUNTY	RSW	VORTAC	L	003.00	001.00	82.82	82.82	10000	45000
2	LAKELAND	LAL	VORTAC	H	106.00	107.00		14.75	10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RSW	VORTAC	R-003	83	10000	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	S	RSW	VORTAC	003.00	003.00	L	1		10000	23000	11	21
2	SW		WP	206.49	026.49	L		10	10000	23000	15	20

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (12-020098)	275111.49N/0815201.53W	823	2C
2	230	TOWER (12-003145)	275628.60N/0815451.30W	829	2C

REASON FOR NONSTANDARD HOLDING:

PAT 1 AVOID R-2901AB
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

LEE COUNTY (FAC 1) AND LAKELAND (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 CONTROLLING OBSTRUCTION AC VERIFIED BY TERRAIN AND OBSTACLE DATA TEAM.
KMCO 6W MAG VAR USED FOR PAT 2.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	T353					FL (US)
STAR	JOKRS (RNAV)		2	KLEE	LEESBURG	FL (US)
STAR	MINEE	1, 2	1	KLEE	LEESBURG	FL (US)
STAR	PRICY (RNAV)		2	KLEE	LEESBURG	FL (US)
STAR	JOKRS (RNAV)		2	KMLB	MELBOURNE	FL (US)
STAR	PRICY (RNAV)		2	KMLB	MELBOURNE	FL (US)
STAR	MINEE	1, 2	1	KCOI	MERRITT ISLAND	FL (US)
STAR	JOKRS (RNAV)		2	KISM	ORLANDO	FL (US)
STAR	MINEE	1, 2	1	KISM	ORLANDO	FL (US)
STAR	PRICY (RNAV)		2	KISM	ORLANDO	FL (US)
STAR	JOKRS (RNAV)		2	KMCO	ORLANDO	FL (US)
STAR	MINEE	1, 2	1	KMCO	ORLANDO	FL (US)
STAR	PRICY (RNAV)		2	KMCO	ORLANDO	FL (US)
STAR	JOKRS (RNAV)		2	KORL	ORLANDO	FL (US)
STAR	MINEE	1, 2	1	KORL	ORLANDO	FL (US)
STAR	PRICY (RNAV)		2	KORL	ORLANDO	FL (US)
STAR	JOKRS (RNAV)		2	KSFB	ORLANDO	FL (US)
STAR	MINEE	1, 2	1	KSFB	ORLANDO	FL (US)
STAR	PRICY (RNAV)		2	KSFB	ORLANDO	FL (US)
STAR	MINEE	1, 2	1	KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 10/07/2021

REASON FOR REVISION:

1. FIX USE: REMOVED COSTR STAR/PAT 2 ENTRIES FOR KX04, KCOF, KLEE, KMLB, KCOI, KISM, KMCO, KORL, KSFB, AND KTIK.
2. HOLDING: DELETED PAT 2 HOLDING PATTERN, PAT 2 CONTROLLING OBSTACLE, AND PAT 2 REASON FOR NONSTANDARD HOLDING.
3. REMARKS: RETAINED KMCO 6W MAG VAR USED FOR PAT 2 - STILL APPLICABLE.
4. REMARKS: UPDATED FROM PAT 1 AND 2 CONTROLLING OBSTRUCTION AC VERIFIED BY TERRAIN AND OBSTACLE DATA TEAM TO PAT 1 CONTROLLING OBSTRUCTION AC VERIFIED BY TERRAIN AND OBSTACLE DATA TEAM.
5. HOLDING PATTERNS: FORMER PAT 3 HOLDING PATTERN AND ALL ASSOCIATED PAT 3 HOLDING INFORMATION UPDATED TO BECOME NEW PAT 2 HOLDING PATTERN DATA.
6. AIRSPACE DOCKET: DELETED 20-ASO-7.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: MARK CIARLONE
APPROVED BY:	DATE: 10/07/2021	OFFICE: AJV-A420	NAME: MARLON ROBINSON
	SIGNATURE:		

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	W	PIE	VORTAC	276.00	096.00	R	1	2000 6000	4 5
2	NW		WP	337.35	157.35	R	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

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

PROCEDURES REQUIRING CLIMB-IN-HOLD:

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

REMARKS:

ASSIGNED FACILITY MAGVAR: 5W (2010).
 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			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)
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 10			KLAL	LAKELAND	FL (US)
IAP	ILS RWY 10 (CAT II&III)			KLAL	LAKELAND	FL (US)
IAP	ILS RWY 10 (SA CAT I)			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 10			KLAL	LAKELAND	FL (US)
IAP	VOR RWY 28			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			KSPG	ST PETERSBURG	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 (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	1	KTPA	TAMPA	FL (US)
IAP	ILS OR LOC RWY 1L	1	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)	1	KTPA	TAMPA	FL (US)
IAP	ILS RWY 1L (SA CAT I)	1	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	1	KVDF	TAMPA	FL (US)
STAR	TTYLR		KBCT	BOCA RATON	FL (US)
STAR	BRDGE		KCLW	CLEARWATER	FL (US)
STAR	FORTL		KFLI	FORT LAUDERDALE	FL (US)
STAR	FORTL		KFXE	FORT LAUDERDALE	FL (US)
STAR	PUMPP		KFMY	FORT MYERS	FL (US)
STAR	TYNEE (RNAV)		KFMY	FORT MYERS	FL (US)
STAR	PUMPP		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	TTYLR		06FA	JUPITER	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	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 IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 35

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-ASO-15
FIX USE: REMOVED Q104

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: SYKES

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 273952.96N/0830259.22W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	LAKELAND	LAL	VORTAC	H	250.00	251.00	58.37	58.37		13000	45000
2	SARASOTA	SRQ	VOR/DME	H	305.85	300.85		30.17		13000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LAL	VORTAC	R-250	59	13000	14700

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

LAKELAND (FAC 1) AND SARASOTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DORMR (RNAV)			KTPA	TAMPA	FL (US)
STAR	MINEE	1, 2		KLEE	LEESBURG	FL (US)
STAR	MINEE	1, 2		KCOI	MERRITT ISLAND	FL (US)
STAR	MINEE	1, 2		KISM	ORLANDO	FL (US)
STAR	MINEE	1, 2		KMCO	ORLANDO	FL (US)
STAR	MINEE	1, 2		KORL	ORLANDO	FL (US)
STAR	MINEE	1, 2		KSFB	ORLANDO	FL (US)
STAR	MINEE	1, 2		KTIX	TITUSVILLE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

1. ADDED DORMR (RNAV) DP AT KTPA TO FIX USE.
2. DELETED SYKES (RNAV) DP AT KMCF, KPIE, AND KTPA FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 05/19/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: