

RADIO FIX AND HOLDING DATA RECORD

NAME: ALROE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 274711.09N/0830029.00W

TYPE: WP

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
STAR	BANGZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	RAYZZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BANGZ (RNAV)			KVNC	VENICE	FL (US)
STAR	RAYZZ (RNAV)			KVNC	VENICE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

- 1) UPDATED FIX USE REMOVED TEEGN STAR FROM (KSRQ) AND (KVNC).
- 2) ADDED BANGZ (RNAV) STAR AT (KSRQ) AND (KVNC).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PETER GETZ

APPROVED BY:

DATE: 05/19/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CLAMP STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 292045.84N/0833521.61W 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	FEET	MRA	MAA
1	SEMINOLE	SZW	VORTAC	VH	148.35	150.35	83.18	83.18		6000	45000
2	GATORS	GNV	VORTAC	L	257.60	253.60		71.95		6000	24000
3	SARASOTA	SRQ	VOR/DME	VH	340.17	335.17	128.10	128.10		13000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SZW	VORTAC	R-148	84	6000	14700
GNV	VORTAC	R-258	72	6000	24000
SRQ	VOR/DME	R-340	129	13000	18100

FIX RESTRICTIONS:
MCA V97 8000 SOUTHEAST BOUND

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:
SEMINOLE (FAC 1) AND GATORS (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CLAMP DME ONLY ABOVE 24000.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V97	1, 2, 3				(US)
STAR	BANGZ (RNAV)			KCLW	CLEARWATER	FL (US)
STAR	BANGZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BANGZ (RNAV)			KSPG	ST PETERSBURG	FL (US)
STAR	BANGZ (RNAV)			KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	BANGZ (RNAV)			KVNC	VENICE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 04/17/2025

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: DELETED FAC 2 CROSS CITY (CTY) VORTAC; ADDED FAC 2 GATORS (GNV) VORTAC.
 EXPANDED SERVICE VOLUME (ESV): DELETED CTY R-244; ADDED GNV R-258.
 FIX RESTRICTIONS: ADDED MCA V97 8000 SOUTHEAST BOUND.
 REMARKS: CHANGED FROM SEMINOLE (FAC 1) AND CROSS CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES TO SEMINOLE (FAC 1) AND GATORS (FAC 2) USED TO ESTABLISH FIX COORDINATES; ADDED CLAMP DME ONLY ABOVE 24000.
 FIX USE: ADDED BANGZ (RNAV) STAR AT KSPG AND KCLW; CHANGED V97 FAC FROM 1, 2 TO 1, 2, 3.

INITIATED BY: DATE: ORGANIZATION: NAME:
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: LEE STUCKEY
APPROVED BY: DATE: 03/13/2025 OFFICE: AJV-A423 NAME: ALLAN WILL
SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: COVUM

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 274105.04N/0825537.25W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
BANGZ (RNAV)
RAYZZ (RNAV)

FAC PAT

AIRPORT IDENT
KVNC
KVNC

CITY
VENICE
VENICE

STATE
FL (US)
FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

- 1) UPDATED FIX USE REMOVED THE TEEGN STAR FROM (KVNC).
- 2) ADDED BANGZ (RNAV) STAR TO FIX USE AT (KVNC).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PETER GETZ

APPROVED BY:

DATE: 05/19/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 272758.34N/0823007.27W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE STAR	BANGZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/19/2022

REASON FOR REVISION:

1. REMOVED STAR TEEGN (RNAV) AT KSRQ FROM FIX USE.
2. ADDED STAR BANGZ (RNAV) AT KSRQ TO FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** RICHARD CHRISTENSEN

APPROVED BY: **DATE:** 05/19/2022 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 294919.11N/0835342.89W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 24-ASO-10 **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	SEMINOLE	SZW	VORTAC	VH	148.38	150.38	50.51	50.51	3000	45000
2	VALDOSTA	OTK	VOR/DME	H	211.28	209.28		65.68	3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SZW	VORTAC	R-148	51	3000	5200
OTK	VOR/DME	R-211	66	3000	14700

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		WP	335.59	155.59	L	10	5000 26000	15 21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003276)	300823.00N/0835457.00W	474	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:
SEMINOLE (FAC 1) AND VALDOSTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 10NM LEG LENGTH PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	T336					(US)
EN ROUTE	V97	1, 2				(US)
IAP	RNAV (GPS)-A			KCTY	CROSS CITY	FL (US)
STAR	BANGZ (RNAV)		1	KCLW	CLEARWATER	FL (US)
STAR	MAATY (RNAV)		1	KLAL	LAKELAND	FL (US)
STAR	BANGZ (RNAV)		1	KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BANGZ (RNAV)		1	KSPG	ST PETERSBURG	FL (US)
STAR	BANGZ (RNAV)		1	KPIE	ST PETERSBURG-CLEARWATER	FL (US)
STAR	MAATY (RNAV)		1	KMCF	TAMPA	FL (US)
STAR	MAATY (RNAV)		1	KTPA	TAMPA	FL (US)
STAR	MAATY (RNAV)		1	KVDF	TAMPA	FL (US)
STAR	BANGZ (RNAV)		1	KVNC	VENICE	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27 **DATE OF REVISION:** 04/17/2025

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 24-ASO-10.
FIX MAKE-UP FACILITIES: DELETED FAC 3 CROSS CITY (CTY) VORTAC.
EXPANDED SERVICE VOLUME (ESV): DELETED CTY R-289.
HOLDING RESTRICTIONS: CHANGED HOLDING LIMITED TO ESTABLISHED PATTERN TO (AUTOMATED ENTRY) HOLDING LIMITED TO ESTABLISHED PATTERN(S).
REMARKS: ADDED PAT 1 10NM LEG LENGTH PER ATC REQUEST; CHANGED FROM SEMINOLE (FAC 1) AND VALDOSTA (FAC 2) AND CROSS CITY (FAC 3) USED TO ESTABLISH FIX COORDINATES TO SEMINOLE (FAC 1) AND VALDOSTA (FAC 2) USED TO ESTABLISH FIX COORDINATES.
FIX USE: ADDED BANGZ (RNAV) STAR AT KSPG AND KCLW; DELETED V521.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** LEE STUCKEY
APPROVED BY: **DATE:** 03/13/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: MAHAR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 274147.52N/0825353.64W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR
STAR

USE TITLE
BANGZ (RNAV)
RAYZZ (RNAV)

FAC PAT

AIRPORT IDENT
KSRQ
KSRQ

CITY
SARASOTA/BRADENTON
SARASOTA/BRADENTON

STATE
FL (US)
FL (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/19/2022

REASON FOR REVISION:

- 1) UPDATED FIX USE REMOVED TEEGN STAR FROM (KSRQ).
- 2) ADDED BANGZ (RNAV) STAR TO FIX USE AT (KSRQ)

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PETER GETZ

APPROVED BY:

DATE: 05/19/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 271907.45N/0821945.91W 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	ST PETERSBURG	PIE	VORTAC	H	156.70	151.70	40.00	40.00	2000	17500
2	LAKELAND	LAL	VORTAC	VH	201.90	202.90		43.33	2000	17500
3	SARASOTA	SRQ	VOR/DME	VH	117.83	112.83	13.58	13.58	2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LAL	VORTAC	R-202	44	2000	14500

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	PIE	VORTAC	156.70	336.70	R	1		3000	6000	6	7
2	SE	WP	WP	156.70	336.70	R		4	3000	6000	5	6
3	SE	SRQ	VOR/DME	117.83	297.83	R	1		2000	6000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002454)	272431.15N/0821459.32W	1749	3C
2	200	TOWER (12-002454)	272431.15N/0821459.32W	1749	3C
3	200	TOWER (12-002454)	272431.15N/0821459.32W	1749	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

ST PETERSBURG (FAC 1) AND SARASOTA (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
230 KIAS HOLDING PATTERN EVALUATED FOR JOINT CIVIL/MILITARY USE.
PAT 3 CONTROLLING OBSTACLE LOCATED 10,563' FROM INNER EDGE OF SECONDARY AREA.
PAT 2 CONTROLLING OBSTACLE LOCATED 2,823' FROM INNER EDGE OF SECONDARY AREA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GANDY (RNAV)			KTPA	TAMPA	FL (US)
EN ROUTE	V35	1, 2, 3				FL (US)
IAP	ILS OR LOC RWY 14	2, 3	3	KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	ILS OR LOC RWY 14 (ALT MA)	1, 2	1	KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 14		2	KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BANGZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	LUBBR (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

1. UPDATED LAL AND SRQ FIX MAKE-UP CLASS FROM "H" TO "VH."
2. REMOVED VOR RWY 14 AT KSRQ AND ALL ASSOCIATED DATA FROM FIX USE.
3. UPDATED ALL "SARASOTA (BRADENTON)" TO "SARASOTA/BRADENTON" IN FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: JOSHUA JUONI

APPROVED BY: DATE: 10/31/2024 OFFICE: AJV-A431 NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: PASOE **STATE:** FL **COUNTRY:** US **ICAO REGION CODE:** K7
LATITUDE/LONGITUDE: 273233.62N/0824326.46W **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	SARASOTA/BRADENTON	I-FFV	LOC		319.38	314.38		13.48	2000	4500
2	ST PETERSBURG	PIE	VORTAC	H	190.54	185.54		21.95	2000	17500
3	SARASOTA	SRQ	VOR/DME	H			11.79	11.79	2000	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		WP	319.31	139.31	R	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	273057.00N/0823942.00W	217	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

SARASOTA/BRADENTON (FAC 1) AND SARASOTA (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 14	1, 2, 3		KSRQ	SARASOTA/BRADENTON	FL (US)
IAP	RNAV (GPS) RWY 14		1	KSRQ	SARASOTA/BRADENTON	FL (US)
STAR	BANGZ (RNAV)			KSRQ	SARASOTA/BRADENTON	FL (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 05/19/2022

REASON FOR REVISION:

- 1) UPDATED FIX USE REMOVED THE TEEGN STAR FROM (KSRQ).
- 2) ADDED BANGZ (RNAV) STAR AT (KSRQ).

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** PETER GETZ

APPROVED BY: **DATE:** 05/19/2022 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE: