

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CHARLESTON VORTAC      **STATE:** SC      **COUNTRY:** US      **ICAO REGION CODE:** K7  
**LATITUDE/LONGITUDE:** 325339.55N/0800216.13W      **TYPE:**  
**AIRSPACE DOCKET:** 19-ASO-7      **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	CHARLESTON	CHS	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	CHS	VORTAC	274.00	094.00	R	1	3000 14000	4 10
2	N	CHS	VORTAC	357.00	177.00	R	1	3000 37000	4 26

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (45-000456)	325355.00N/0795759.00W	422	3C
2	200	TOWER (45-000533)	330025.00N/0800515.00W	396	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 HOLDING PATTERN 2 FOR ATC USE.  
 CHS MAGVAR 1985/W05

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JACKSONVILLE			KJAX	JACKSONVILLE	FL (US)
DP	ROZBO (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
DP	TAR HEEL			KRDU	RALEIGH/DURHAM	NC (US)
EN ROUTE	AR12					(US)
EN ROUTE	AR25					(US)
EN ROUTE	AR7					(US)
EN ROUTE	J121					(US)
EN ROUTE	J174					(US)
EN ROUTE	J40					(US)
EN ROUTE	J55					(US)
EN ROUTE	J79					(US)
EN ROUTE	V1					(US)
EN ROUTE	V18					(US)
EN ROUTE	V311					(US)
EN ROUTE	V417					(US)
EN ROUTE	V437					(US)
EN ROUTE	V53					(US)
IAP	ILS OR LOC RWY 1			KSAV	SAVANNAH	GA (US)
IAP	ILS OR LOC RWY 10			KSAV	SAVANNAH	GA (US)
IAP	ILS RWY 10 (SA CAT I-II)			KSAV	SAVANNAH	GA (US)
IAP	VOR/DME OR TACAN RWY 1			KSAV	SAVANNAH	GA (US)
IAP	VOR/DME-A			KSAV	SAVANNAH	GA (US)
IAP	HI-VOR/DME OR TACAN RWY 15			KCHS	CHARLESTON	SC (US)
IAP	ILS OR LOC RWY 15			KCHS	CHARLESTON	SC (US)
IAP	ILS OR LOC/DME RWY 33			KCHS	CHARLESTON	SC (US)
IAP	ILS RWY 15 (CAT II)			KCHS	CHARLESTON	SC (US)
IAP	ILS RWY 15 (SA CAT I)			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 15			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 21			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 3			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 33			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 15			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 21			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 3			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 33			KCHS	CHARLESTON	SC (US)
IAP	ILS OR LOC RWY 9			KJZI	CHARLESTON	SC (US)
IAP	RNAV (GPS) RWY 27			KJZI	CHARLESTON	SC (US)
IAP	RNAV (GPS) RWY 9			KJZI	CHARLESTON	SC (US)
IAP	LOC RWY 21			KHXD	HILTON HEAD ISLAND	SC (US)
IAP	RNAV (GPS) RWY 5			KMKS	MONCK'S CORNER	SC (US)
IAP	VOR/DME-A			KMKS	MONCK'S CORNER	SC (US)
IAP	VOR/DME-A		1	KLRO	MOUNT PLEASANT	SC (US)
IAP	NDB RWY 6			KDYB	SUMMERVILLE	SC (US)
IAP	ILS Y OR LOC Y RWY 23			KRBW	WALTERBORO	SC (US)
IAP	RNAV (GPS) RWY 35			KRBW	WALTERBORO	SC (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STOCR (RNAV)			KCLT	CHARLOTTE	NC (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:** 14

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

AIRSPACE DOCKET; ADDED 19-ASO-7.  
FIX USE; ADDED AR7, AR12 AND AR25. REMOVED J47 AND J165.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A422

**NAME:** BARRY SMITH

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: EST  
ARTCC: ZJX  
ATC FACILITY: CHS APP CON  
OTHER: HQ AMC

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CRAIG VORTAC      **STATE:** FL      **COUNTRY:** US      **ICAO REGION CODE:** K7  
**LATITUDE/LONGITUDE:** 302019.97N/0813035.74W      **TYPE:**  
**AIRSPACE DOCKET:** 19-ASO-7      **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	CRAIG	CRG	VORTAC	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	CRG	VORTAC	155.00	335.00	R	1		2100	14000	4	10
2	E	CRG	VORTAC	071.40	251.40	L	1		3000	3000	4	4
3	W	CRG	VORTAC	263.00	083.00	R	1		3000	4000	4	4

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BRIDGE (12-002153)	302259.00N/0813323.00W	489	5D
2	200	TOWER (12-001496)	301635.00N/0813350.69W	1090	1A
3	200	TOWER (12-001496)	301635.00N/0813350.69W	1090	1A

**REASON FOR NONSTANDARD HOLDING:**

PAT 2 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.  
 PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER MAYPORT LOW/HIGH MOA AND W158E.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: 3W (1985).

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ROYES			KDAB	DAYTONA BEACH	FL (US)
DP	SAWGY			KJAX	JACKSONVILLE	FL (US)
DP	CITRUS			KMCO	ORLANDO	FL (US)
DP	ORLANDO			KMCO	ORLANDO	FL (US)
DP	SANFORD			KSFB	ORLANDO	FL (US)
EN ROUTE	T211					(US)
EN ROUTE	V1					(US)
EN ROUTE	V198					(US)
EN ROUTE	V243					(US)
EN ROUTE	V267					(US)
EN ROUTE	V37					(US)
EN ROUTE	V51					(US)
IAP	ILS OR LOC RWY 32			KCRG	JACKSONVILLE	FL (US)
IAP	VOR RWY 14		1	KCRG	JACKSONVILLE	FL (US)
IAP	NDB-A			KHEG	JACKSONVILLE	FL (US)
IAP	HI-ILS OR LOC RWY 14			KJAX	JACKSONVILLE	FL (US)
IAP	HI-ILS OR LOC RWY 26			KJAX	JACKSONVILLE	FL (US)
IAP	HI-ILS OR LOC RWY 8			KJAX	JACKSONVILLE	FL (US)
IAP	HI-TACAN RWY 14			KJAX	JACKSONVILLE	FL (US)
IAP	ILS OR LOC RWY 14		1	KJAX	JACKSONVILLE	FL (US)
IAP	ILS OR LOC RWY 26			KJAX	JACKSONVILLE	FL (US)
IAP	ILS OR LOC RWY 8			KJAX	JACKSONVILLE	FL (US)
IAP	ILS RWY 8 (CAT II & III)			KJAX	JACKSONVILLE	FL (US)
IAP	ILS RWY 8 (SA CAT I)			KJAX	JACKSONVILLE	FL (US)
IAP	VOR/DME RWY 32			KJAX	JACKSONVILLE	FL (US)
IAP	ILS OR LOC RWY 36R		3	KVQQ	JACKSONVILLE	FL (US)
IAP	VOR RWY 27L		2	KVQQ	JACKSONVILLE	FL (US)
IAP	ILS OR LOC/DME RWY 31			KSGJ	ST AUGUSTINE	FL (US)
IAP	RNAV (GPS) RWY 13			KSGJ	ST AUGUSTINE	FL (US)
IAP	VOR RWY 13			KSGJ	ST AUGUSTINE	FL (US)
STAR	TAYLOR			KFHB	FERNANDINA BEACH	FL (US)
STAR	ALMA			KCRG	JACKSONVILLE	FL (US)
STAR	POGIE			KCRG	JACKSONVILLE	FL (US)
STAR	TAYLOR			KCRG	JACKSONVILLE	FL (US)
STAR	ALMA			KJAX	JACKSONVILLE	FL (US)
STAR	POGIE			KJAX	JACKSONVILLE	FL (US)
STAR	TAYLOR			KJAX	JACKSONVILLE	FL (US)
STAR	ALMA			KNIP	JACKSONVILLE	FL (US)
STAR	POGIE			KNIP	JACKSONVILLE	FL (US)
STAR	TAYLOR			KNIP	JACKSONVILLE	FL (US)
STAR	ALMA			KVQQ	JACKSONVILLE	FL (US)
STAR	POGIE			KVQQ	JACKSONVILLE	FL (US)

STAR	TAYLOR	KVQQ	JACKSONVILLE	FL (US)
STAR	ALMA	KNRB	MAYPORT	FL (US)
STAR	POGIE	KNRB	MAYPORT	FL (US)
STAR	TAYLOR	KNRB	MAYPORT	FL (US)
STAR	SINCA	KATL	ATLANTA	GA (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:** 24

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

1. ADDED AIRSPACE DOCKET NUMBER.
2. ADDED PAT 2 AND PAT 3 WITH ASSOCIATED DATA TO HOLDING PATTERNS.
3. DELETED EN ROUTE J113, J121, J174, J45, J51, J53, J55 FROM FIX USE.
4. ADDED PAT 3 TO FIX USE FOR IAP, ILS OR LOC RWY 36R, KVQQ, JACKSONVILLE, FL (US).
5. DELETED IAP, VOR RWY 9R, KVQQ, JACKSONVILLE, FL (US) FROM FIX USE.
6. ADDED IAP, VOR RWY 27L, KVQQ, JACKSONVILLE, FL (US) TO FIX USE.
7. REPLACED CONTROLLER WITH CONTROLLER LOW AND CONTROLLER HIGH IN REQUIRED CHARTING.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** ROBERT LYMAN

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A430

**NAME:** LONNIE EVERHART

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** MILIE

**STATE:** GA

**COUNTRY:** US

**ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 311943.04N/0811025.39W

**TYPE:** WP

**AIRSPACE DOCKET:** 19-ASO-7

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
DP  
DP

**USE TITLE**  
LGRHD (RNAV)  
KIAWAH (RNAV)

**FAC PAT**

**AIRPORT IDENT**  
KCHS  
KJZI

**CITY**  
CHARLESTON  
CHARLESTON

**STATE**  
SC (US)  
SC (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3

**DATE OF REVISION:** 01/30/2020

**REASON FOR REVISION:**

TYPE; REMOVED DME - FIX HAS NO CONVENTIONAL NAVAID USAGE.

AIRSPACE DOCKET; ADDED 19-ASO-7.

FIX MAKE-UP FACILITIES; REMOVED J79, J103, J121 AND J174.

REQUIRED CHARTING; CHANGED CONTROLLER TO CONTROLLER LOW/HIGH AND RETAINED EN ROUTE HIGH - FPT REQUEST.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A422

**NAME:** BARRY SMITH

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** EST  
**ARTCC:** ZJX  
**ATC FACILITY:**  
**OTHER:**