

# RADIO FIX AND HOLDING DATA RECORD

NAME: BEEFE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 333523.29N/0814713.25W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*  
**DAVID DANNER**

DISTRIBUTION:

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

Oct 11, 2019

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BJETS

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 335456.62N/0812622.47W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
ADDED CONTROLLER LOW/HIGH TO CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

**DAVID DANNER**

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: CHS APP CON

OTHER:

Oct 11, 2019

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BUBOO STATE: SC COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 331523.73N/0804452.03W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	NW		WP	297.78	117.78	R	10	11000	21000	15	20	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	265	PLANT (45-001067)	332151.00N/0810148.00W	704	5D

HOLDING RESTRICTIONS:  
 HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:  
 PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
 PAT 1 - 10 MILE LEG LENGTH REQUESTED BY ATC.

FIX USE:		USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE							
STAR		OSPRI (RNAV)		1	KCHS	CHARLESTON	SC (US)
STAR		OSPRI (RNAV)		1	KJZI	CHARLESTON	SC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 DATE OF REVISION: 01/30/2020

REASON FOR REVISION:  
 REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
 ADDED CONTROLLER LOW TO CHARTING

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A421	NAME: ROSE BOONE
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON
SIGNATURE:		Digitally signed by DAVID DANNER	
DISTRIBUTION:	Oct 11, 2019		
NFDC FPO: EST ARTCC: ZJX ATC FACILITY: CHS APP CON OTHER:			

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: COBDA

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 332028.27N/0804449.72W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

**DAVID DANNER**

DISTRIBUTION:

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

Oct 11, 2019

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: COINT STATE: SC COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 335822.47N/0803753.43W 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	COLUMBIA	CAE	VORTAC	H	073.70	071.70	22.20	22.20	2000	17500
2	CHESTERFIELD	CTF	VOR/DME	L	206.69	203.69		44.29	2000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CTF	VOR/DME	R-207	45	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	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	E	CAE	VORTAC	073.70	253.70	L	1	2000	6000	5	7

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-000810)	335647.00N/0804236.00W	744	1A

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

COLUMBIA (FAC 1) AND CHESTERFIELD (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	V56	1, 2				(US)
IAP	RNAV (GPS) RWY 23			KCAE	COLUMBIA	SC (US)
IAP	RNAV (GPS) RWY 29			KCAE	COLUMBIA	SC (US)
IAP	RNAV (GPS) RWY 17			KOGB	ORANGEBURG	SC (US)
IAP	NDB RWY 23	1, 2		KSMS	SUMTER	SC (US)
STAR	OSPRI (RNAV)			KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)			KJZI	CHARLESTON	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE  
 ADDED CONTROLLER LOW TO CHARTING

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 NAME: ROSE BOONE

APPROVED BY: DATE: OFFICE: AJV-A420 NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by  
 DAVID DANNER

DISTRIBUTION: NFDC  
 FPO: EST  
 ARTCC: ZJX  
 ATC FACILITY: CAE APP CON, SHAW AFB APP CON  
 OTHER:  
 Oct 11, 2019

QUALITY  
 14  
 CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: COLLIERS VORTAC      STATE: SC      COUNTRY: US      ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 334226.47N/0820943.43W      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	COLLIERS	IRQ	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	IRQ	VORTAC	341.00	161.00	R	1-1 1/2	2100 17500	4 16
2	NE	IRQ	VORTAC	063.00	243.00	R	1	2400 10000	4 9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-000142)	333939.70N/0821046.96W	845	2C
2	200	TOWER (45-000142)	333939.70N/0821046.96W	845	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: 4W (1990).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GAIRY (RNAV)			KATL	ATLANTA	GA (US)
DP	KNIGHTS			KVUJ	ALBEMARLE	NC (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	KNIGHTS			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KJQF	CONCORD	NC (US)
DP	KNIGHTS			KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	KNIGHTS			KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS			KEQY	MONROE	NC (US)
DP	KNIGHTS			KRUQ	SALISBURY	NC (US)
DP	PLFMD (RNAV)			KCHS	CHARLESTON	SC (US)
DP	EXECUTIVE (RNAV)			KJZI	CHARLESTON	SC (US)
DP	KNIGHTS			KLKR	LANCASTER	SC (US)
DP	KNIGHTS			KUZA	ROCK HILL	SC (US)
EN ROUTE	J4					(US)
EN ROUTE	J52					(US)
EN ROUTE	J53					(US)
EN ROUTE	J81					(US)
EN ROUTE	J85					(US)
EN ROUTE	J99					(US)
EN ROUTE	T209					(US)
EN ROUTE	V155					(US)
EN ROUTE	V18					(US)
EN ROUTE	V185					(US)
EN ROUTE	V417					(US)
EN ROUTE	V56					(US)
IAP	ILS OR LOC RWY 17			KAGS	AUGUSTA	GA (US)
IAP	ILS OR LOC RWY 35		1	KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) Z RWY 8			KAGS	AUGUSTA	GA (US)
IAP	NDB RWY 11			KDNL	AUGUSTA	GA (US)
IAP	VOR/DME-B		1	KDNL	AUGUSTA	GA (US)
IAP	ILS OR LOC/NDB RWY 10		2	KHQU	THOMSON	GA (US)
IAP	VOR/DME-A		2	KHQU	THOMSON	GA (US)
IAP	ILS OR LOC/DME RWY 7			KAIK	AIKEN	SC (US)
IAP	NDB RWY 25			KAIK	AIKEN	SC (US)
IAP	VOR/DME-A			KAIK	AIKEN	SC (US)
STAR	SINCA			KATL	ATLANTA	GA (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KDNL	AUGUSTA	GA (US)
STAR	CHPTR			KVUJ	ALBEMARLE	NC (US)
STAR	UNARM			KVUJ	ALBEMARLE	NC (US)
STAR	CHPTR			KCLT	CHARLOTTE	NC (US)
STAR	UNARM			KCLT	CHARLOTTE	NC (US)
STAR	CHPTR			KJQF	CONCORD	NC (US)
STAR	UNARM			KJQF	CONCORD	NC (US)
STAR	CHPTR			KAKH	GASTONIA	NC (US)
STAR	UNARM			KAKH	GASTONIA	NC (US)
STAR	CHPTR			KIPJ	LINCOLNTON	NC (US)

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DEFFN

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 342913.42N/0815505.64W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
ADDED CONTROLLER HIGH TO CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: GMAST

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 334343.75N/0811722.73W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
ADDED CONTROLLER HIGH/LOW TO CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*  
**DAVID DANNER**

DISTRIBUTION:

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

Oct 11, 2019

QUALITY  
14  
CHECKED



STAR	UNARM	KIPJ	LINCOLNTON	NC (US)
STAR	CHPTR	KEQY	MONROE	NC (US)
STAR	UNARM	KEQY	MONROE	NC (US)
STAR	CHPTR	KRUQ	SALISBURY	NC (US)
STAR	UNARM	KRUQ	SALISBURY	NC (US)
STAR	CHPTR	KEHO	SHELBY	NC (US)
STAR	UNARM	KEHO	SHELBY	NC (US)
STAR	CHPTR	KAFP	WADESBORO	NC (US)
STAR	UNARM	KAFP	WADESBORO	NC (US)
STAR	CHPTR	KN52	WAXHAW	NC (US)
STAR	UNARM	KN52	WAXHAW	NC (US)
STAR	OSPRI (RNAV)	KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)	KJZI	CHARLESTON	SC (US)
STAR	CHPTR	KDCM	CHESTER	SC (US)
STAR	UNARM	KDCM	CHESTER	SC (US)
STAR	CHPTR	KLKR	LANCASTER	SC (US)
STAR	UNARM	KLKR	LANCASTER	SC (US)
STAR	CHPTR	KUZA	ROCK HILL	SC (US)
STAR	UNARM	KUZA	ROCK HILL	SC (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 16

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

**REASON FOR REVISION:**

REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
ADDED CONTROLLER LOW/HIGH TO CHARTING

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

**NAME:** ROSE BOONE

**APPROVED BY:**

**DATE:**

*Digitally signed by* **OFFICE:** AJV-A420

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DAVID DANNER**

Oct 11, 2019

**DISTRIBUTION:**

**NFDC**

**FPO:** EST

**ARTCC:** ZTL

**ATC FACILITY:** AGS APP CON

**OTHER:**

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: NALVE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 343153.79N/0803735.98W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: CHS APP CON

OTHER:

Oct 11, 2019

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: NINJA

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 331727.17N/0804246.44W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	337.26	157.26	L	10	11000	22000	15	20

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (45-000400)	333137.00N/0804943.00W	862	2C

## REASON FOR NONSTANDARD HOLDING:

PAT 1 REQUESTED BY ATC.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PAT 1 - 10 MILE LEG LENGTH REQUESTED BY ATC.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSPRI (RNAV)		1	KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)		1	KJZI	CHARLESTON	SC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: **DAVID DANNER**

Oct 11, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: OBNEE

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 344424.20N/0803735.92W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 11, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: OSPRI

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 330810.88N/0802318.42W

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
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)
STAR	OSPRI (RNAV)			KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)			KJZI	CHARLESTON	SC (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 11, 2019

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: CHS APP CON

OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: TRTLS

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 331358.36N/0804024.51W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	320.68	140.68	L	10	6000	21000	15	20

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPD	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-000400)	333136.86N/0804942.95W	874	1A

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST.

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
PAT 1 10 NM LEG REQUESTED BY ATC.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	OSPRI (RNAV)		1	KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)		1	KJZI	CHARLESTON	SC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

REMOVED TRTLS STAR INTO KCHS FROM FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

DISTRIBUTION:

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

Oct 11, 2019

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: UNJAM

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 341256.50N/0804810.81W

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
DP	KWEEN (RNAV)			KVUJ	ALBEMARLE	NC (US)
DP	KWEEN (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	KWEEN (RNAV)			KJQF	CONCORD	NC (US)
DP	KWEEN (RNAV)			KAKH	GASTONIA	NC (US)
DP	KWEEN (RNAV)			KIPJ	LINCOLNTON	NC (US)
DP	KWEEN (RNAV)			KEQY	MONROE	NC (US)
DP	KWEEN (RNAV)			KRUQ	SALISBURY	NC (US)
DP	KWEEN (RNAV)			KLKR	LANCASTER	SC (US)
DP	KWEEN (RNAV)			KUZA	ROCK HILL	SC (US)
STAR	OSPRI (RNAV)			KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)			KJZI	CHARLESTON	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/30/2020

## REASON FOR REVISION:

REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
ADDED CONTROLLER LOW/HIGH TO CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 11, 2019

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: CHS APP CON

OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: WBODY

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 340854.39N/0813755.13W

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  
OSPRI (RNAV)  
OSPRI (RNAV)

FAC PAT

AIRPORT IDENT  
KCHS  
KJZI

CITY  
CHARLESTON  
CHARLESTON

STATE  
SC (US)  
SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/30/2020

**REASON FOR REVISION:**

REMOVED TRTLS STAR IN TO KCHS FROM FIX USE  
ADDED CONTROLLER LOW/HIGH TO CHARTING

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: ROSE BOONE

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

*Digitally signed by*

**DAVID DANNER**

Oct 11, 2019

DISTRIBUTION:

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

QUALITY  
14  
CHECKED