

RADIO FIX AND HOLDING DATA RECORD

NAME: CHPTR

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 343534.78N/0812644.42W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JOOLS (RNAV)			KVUJ	ALBEMARLE	NC (US)
STAR	JOOLS (RNAV)			KCLT	CHARLOTTE	NC (US)
STAR	JOOLS (RNAV)			KJQF	CONCORD	NC (US)
STAR	JOOLS (RNAV)			KAKH	GASTONIA	NC (US)
STAR	JOOLS (RNAV)			KIPJ	LINCOLNTON	NC (US)
STAR	JOOLS (RNAV)			KEQY	MONROE	NC (US)
STAR	JOOLS (RNAV)			KRUQ	SALISBURY	NC (US)
STAR	JOOLS (RNAV)			KEHO	SHELBY	NC (US)
STAR	JOOLS (RNAV)			KAFP	WADESBORO	NC (US)
STAR	JOOLS (RNAV)			N52	WAXHAW	NC (US)
STAR	JOOLS (RNAV)			KDCM	CHESTER	SC (US)
STAR	JOOLS (RNAV)			KLKR	LANCASTER	SC (US)
STAR	JOOLS (RNAV)			KUZA	ROCK HILL	SC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

INFORMATION ONLY

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

1. FIX TYPE: REMOVED INT, DME. ADDED WP.
2. REMOVED FIX MAKE-UP FACILITIES: COLLIERS (IRQ) VORTAC AND SPARTANBURG (SPA) VORTAC.
3. REMOVED EXPANDED SERVICE VOLUME (ESV): IRQ VORTAC R-038/D64/8000/15000.
4. REMOVED REMARK: COLLIERS (FAC1) AND SPARTANBURG (FAC2) USED TO ESTABLISH FIX COORDINATES.
5. REMOVED FIX USE: CHPTR STAR FOR KVUJ, KCLT, KJQF, KAKH, KIPJ, KEQY, KRUQ, KEHO, KAFP N52, KDCM, KLKR, AND KUZA.
6. ADDED FIX USE: JOOLS (RNAV) STAR FOR KCLT, KAFP, KEQY, KDCM, KJQF, KAKH, N52, KLKR, KIPJ, KRUQ, KUZA, KEHO, KVUJ.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: HRTWL **STATE:** SC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 341505.33N/0820915.55W **TYPE:** WP

AIRSPACE DOCKET: 21-ASO-27 **FIX TYPE OF ACTION:** NO CHANGE

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	SW		WP	246.62	066.62	R	10	11000	34000	15	25

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (45-000628)	342219.87N/0821003.92W	1383	3C

HOLDING RESTRICTIONS:

HOLDING RESTRICTED TO ESTABLISHED PATTERN

REMARKS:

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

INFORMATION ONLY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PHIL (RNAV)			KATL	ATLANTA	GA (US)
EN ROUTE	Q54					(US)
EN ROUTE	Q64					(US)
EN ROUTE	Q77					(US)
EN ROUTE	T209					(US)
EN ROUTE	T258					(US)
STAR	JOOLS (RNAV)		1	KVUJ	ALBEMARLE	NC (US)
STAR	BANKR (RNAV)		1	KCLT	CHARLOTTE	NC (US)
STAR	JONZE (RNAV)		1	KCLT	CHARLOTTE	NC (US)
STAR	JOOLS (RNAV)		1	KCLT	CHARLOTTE	NC (US)
STAR	BANKR (RNAV)		1	KJQF	CONCORD	NC (US)
STAR	JOOLS (RNAV)		1	KJQF	CONCORD	NC (US)
STAR	JOOLS (RNAV)		1	KAKH	GASTONIA	NC (US)
STAR	JOOLS (RNAV)		1	KIPJ	LINCOLNTON	NC (US)
STAR	JOOLS (RNAV)		1	KEQY	MONROE	NC (US)
STAR	JOOLS (RNAV)		1	KRUQ	SALISBURY	NC (US)
STAR	JOOLS (RNAV)		1	KEHO	SHELBY	NC (US)
STAR	JOOLS (RNAV)		1	KAFP	WADESBORO	NC (US)
STAR	JOOLS (RNAV)		1	N52	WAXHAW	NC (US)
STAR	JOOLS (RNAV)		1	KDCM	CHESTER	SC (US)
STAR	JOOLS (RNAV)		1	KLKR	LANCASTER	SC (US)
STAR	JOOLS (RNAV)		1	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

FIX USE: ADDED JOOLS (RNAV) STAR FOR KVUJ, KCLT, KJQF, KAKH, KIPJ, KEQY, KRUQ, KEHO, KAFP, N52, KDCM, KLKR, AND KUZA.
REMARKS: REMOVED CHART ON SECTIONAL- ATC REQUEST.
FIX USE: ADDED BANKR (RNAV) STAR FOR KCLT AND KJQF.
HOLDING: ADDED PAT 1, OBST, AND HOLDING NOTES.
FIX USE: ADDED JONZE (RNAV) STAR FOR KCLT.
REQUIRED CHARTING: ADDED STAR.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** ANDRE TUCKER
APPROVED BY: **DATE:** 02/23/2023 **OFFICE:** AJV-A430 **NAME:** JOHNNIE BAKER

SIGNATURE:

INFORMATION ONLY

RADIO FIX AND HOLDING DATA RECORD

INFORMATION ONLY

NAME: PENFI **STATE:** GA **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 334445.98N/0831506.14W **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	ATHENS	AHN	VOR/DME	L	163.15	163.15	12.61	12.61	3000	17500
2	GREENWOOD	GRD	VORTAC	H	242.37	241.37	62.56	62.56	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GRD	VORTAC	R-242	63	4000	17500

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

REMARKS:

ATHENS (FAC 1) AND GREENWOOD (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V267	1				(US)
EN ROUTE	V454	1, 2				(US)
EN ROUTE	V5	1				(US)
EN ROUTE	V51	1				(US)
STAR	JOOLS (RNAV)			KVUJ	ALBEMARLE	NC (US)
STAR	JOOLS (RNAV)			KCLT	CHARLOTTE	NC (US)
STAR	JOOLS (RNAV)			KJQF	CONCORD	NC (US)
STAR	JOOLS (RNAV)			KAKH	GASTONIA	NC (US)
STAR	JOOLS (RNAV)			KIPJ	LINCOLNTON	NC (US)
STAR	JOOLS (RNAV)			KEQY	MONROE	NC (US)
STAR	JOOLS (RNAV)			KRUQ	SALISBURY	NC (US)
STAR	JOOLS (RNAV)			KEHO	SHELBY	NC (US)
STAR	JOOLS (RNAV)			KAFF	WADESBORO	NC (US)
STAR	JOOLS (RNAV)			N52	WAXHAW	NC (US)
STAR	JOOLS (RNAV)			KDCM	CHESTER	SC (US)
STAR	JOOLS (RNAV)			KLKR	LANCASTER	SC (US)
STAR	JOOLS (RNAV)			KUZA	ROCK HILL	SC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 02/23/2023

REASON FOR REVISION:

REMOVED AIRSPACE DOCKET #21-ASO-14.
 ADDED WP TO FIX TYPE.
 ADDED STAR JOOLS (RNAV) FOR KVUJ, KCLT, KJQF, KAKH, KIPJ, KEQY, KRUQ, KEHO, KAFP, N52, KDCM, KLKR AND KUZA TO FIX USE.
 ADDED STAR TO REQUIRED CHARTING.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: SILVIA YOUNG
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A430	NAME: JOHNNIE BAKER

SIGNATURE: *Digitally signed by*
CASIMIR L TABAKA
 Nov 10, 2022



RADIO FIX AND HOLDING DATA RECORD

NAME: WHDRW

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 344943.82N/0811506.33W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	JOOLS (RNAV)			KCLT	CHARLOTTE	NC (US)
STAR	BANKR (RNAV)			KJQF	CONCORD	NC (US)
STAR	JOOLS (RNAV)			KJQF	CONCORD	NC (US)
STAR	JOOLS (RNAV)			KAKH	GASTONIA	NC (US)
STAR	JOOLS (RNAV)			KIPJ	LINCOLNTON	NC (US)
STAR	JOOLS (RNAV)			KRUQ	SALISBURY	NC (US)
STAR	JOOLS (RNAV)			KEHO	SHELBY	NC (US)

REQUIRED CHARTING: STAR

INFORMATION ONLY

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

1. FIX USE: REMOVED CHPTR STAR FOR KVUJ, KCLT, KJQF, KAKH, KIPJ, KEQY, KRUQ, KEHO, KAFP, N52, KDCM, KLKR, AND KUZA.
2. FIX USE: ADDED JOOLS STAR FOR KCLT, KJQF, KAKH, KIPJ, KRUQ, AND KEHO.
3. FIX USE: ADDED KJQF BANKR STAR.
4. FIX MAKE-UP: REMOVED IRQ/SPA.
5. TYPE: REMOVED DME/INT.
6. TYPE: ADDED WP.
7. ESV: REMOVED IRQ.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: ANDRE TUCKER

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

INFORMATION ONLY