

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FLORENCE VORTAC      **STATE:** SC      **COUNTRY:** US      **ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 341358.69N/0793925.78W      **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	FLORENCE	FLO	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	SW	FLO	VORTAC	215.00	035.00	R	1		10000	45000	9	29
2	SE	FLO	VORTAC	140.00	320.00	R	1		2000	6000	4	5
3	SE	FLO	VORTAC	140.00	320.00	L	1		6000	31000	5	23
4	SE		WP	135.38	315.38	L		10	13000	18000	15	17

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (45-000081)	341618.00N/0794333.00W	948	1A
2	200	TOWER (45-000674)	341116.00N/0793116.00W	575	5E
3	200	TOWER (45-000081)	341618.00N/0794333.00W	948	1A
4	230	TOWER (45-000081)	341618.00N/0794333.00W	948	1A

**REASON FOR NONSTANDARD HOLDING:**

PAT 3 ATC REQUEST  
PAT 4 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
10NM LEG LENGTH REQUESTED BY ATC.  
MAG VAR W03/1965.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KNIGHTS	1		KVUJ	ALBEMARLE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1		KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS	1		KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	KNIGHTS	1		KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	KNIGHTS	1		KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS	1		KEQY	MONROE	NC (US)
DP	FAYETTEVILLE			KRDU	RALEIGH/DURHAM	NC (US)
DP	KNIGHTS	1		KRUQ	SALISBURY	NC (US)
DP	KNIGHTS	1		KLKR	LANCASTER	SC (US)
DP	KNIGHTS	1		KUZA	ROCK HILL	SC (US)
EN ROUTE	J207		1			(US)
EN ROUTE	J4					(US)
EN ROUTE	J55					(US)
EN ROUTE	V139					(US)
EN ROUTE	V259					(US)
EN ROUTE	V3					(US)
EN ROUTE	V3-157					(US)
EN ROUTE	V437					(US)
EN ROUTE	V56					(US)
EN ROUTE	V56-157					(US)
IAP	ILS OR LOC/DME RWY 4			KFAY	FAYETTEVILLE	NC (US)
IAP	LOC BC RWY 22			KFAY	FAYETTEVILLE	NC (US)
IAP	VOR RWY 22			KFAY	FAYETTEVILLE	NC (US)
IAP	VOR RWY 28			KFAY	FAYETTEVILLE	NC (US)
IAP	VOR RWY 4			KFAY	FAYETTEVILLE	NC (US)
IAP	ILS OR LOC RWY 5			KLBT	LUMBERTON	NC (US)
IAP	ILS OR LOC RWY 5			KMEB	MAXTON	NC (US)
IAP	NDB RWY 7			KBBP	BENNETTSVILLE	SC (US)
IAP	NDB RWY 23			KUDG	DARLINGTON	SC (US)
IAP	RNAV (GPS) RWY 5			KUDG	DARLINGTON	SC (US)
IAP	VOR-A		2	KUDG	DARLINGTON	SC (US)
IAP	VOR/DME OR GPS RWY 7			KDLC	DILLON	SC (US)
IAP	ILS OR LOC RWY 9			KFLO	FLORENCE	SC (US)
IAP	RNAV (GPS) RWY 27			KFLO	FLORENCE	SC (US)
IAP	RNAV (GPS) RWY 9			KFLO	FLORENCE	SC (US)
IAP	VOR OR TACAN-A			KFLO	FLORENCE	SC (US)

IAP	VOR/DME-A		KMAO	MARION	SC (US)
IAP	ILS OR LOC RWY 23		KSMS	SUMTER	SC (US)
STAR	STWRT		KAGS	AUGUSTA	GA (US)
STAR	KABEE (RNAV)	4	KVUJ	ALBEMARLE	NC (US)
STAR	RASLN	3	KCLT	CHARLOTTE	NC (US)
STAR	KABEE (RNAV)	4	KJQF	CONCORD	NC (US)
STAR	RASLN	3	KAKH	GASTONIA	NC (US)
STAR	BLOCC		KGSO	GREENSBORO	NC (US)
STAR	RASLN	3	KIPJ	LINCOLNTON	NC (US)
STAR	RASLN	3	KEQY	MONROE	NC (US)
STAR	BUZZY		KRDU	RALEIGH/DURHAM	NC (US)
STAR	MALNR (RNAV)		KRDU	RALEIGH/DURHAM	NC (US)
STAR	KABEE (RNAV)	4	KRUQ	SALISBURY	NC (US)
STAR	RASLN	3	KEHO	SHELBY	NC (US)
STAR	KABEE (RNAV)	4	KSVH	STATESVILLE	NC (US)
STAR	RASLN	3	KAFP	WADESBORO	NC (US)
STAR	RASLN	3	KN52	WAXHAW	NC (US)
STAR	RASLN	3	KDCM	CHESTER	SC (US)
STAR	RASLN	3	KLKR	LANCASTER	SC (US)
STAR	RASLN	3	KUZA	ROCK HILL	SC (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 22

**DATE OF REVISION:** 04/25/2019

**REASON FOR REVISION:**

UPDATED PATTERN 2 CONTROLLING OBSTACLE FROM 948 TOWER (45-000081) TO 575 TOWER (45-000674). 45-000081 IS IN THE SECONDARY AREA WITH AN EQUIVALENT HEIGHT OF 441 MSL (SA-507).

UPDATED FIX USE, KUDG PROCEDURE NAME CHANGED FROM VOR/DME-A TO VOR-A AND DELETED NASCR STAR.

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

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-5432                      **NAME:** FRANK JACKSON

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-5430                      **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
**FPO: EST**  
**ARTCC: ZJX**  
**ATC FACILITY: FLO APP CON**  
**OTHER:**

**INFO ONLY**

## RADIO FIX AND HOLDING DATA RECORD

**NAME:** WARNR

STATE: SC

**COUNTRY:** US

ICAO REGION CODE: K7

**LATITUDE/LONGITUDE:** 342813.23N/0800025.48W

**TYPE:** 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 NM	FAC FEET	MRA	MAA
1	FLORENCE	FLO	VORTAC	H	312.38	309.38	22.46	22.46		2000	17500
2	CHESTERFIELD	CTF	VOR/DME	L	132.04	129.04	17.11	17.11		2000	17500

**HOLDING:**

**HOLDING TYPE OF ACTION: CANCEL**

## REMARKS:

FLORENCE (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	V259	1, 2				(US)
IAP	RNAV (GPS) RWY 5			KUDG	DARLINGTON	SC (US)
IAP	RNAV (GPS) RWY 9			KFLO	FLORENCE	SC (US)

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

**COMPULSORY REPORTING POINT: NO**

RECORD REVISION NUMBER: 5

**DATE OF REVISION:** 11/10/2016

## REASON FOR REVISION:

UPDATED TRUE BRG FOR CTF VOR/DME FROM 129.03 TO 129.04; UPDATED DME AND DIST FROM FAC NM FROM 17.10 TO 17.11.  
DELETED KCLT CHESTERFIELD STAR FROM FIX USE.  
DELETED STAR FROM REQUIRED CHARTING.  
ADDED FLORENCE (FAC 1) AND CHESTERFIELD (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
REMOVED HOLDING AND ASSOCIATED OBSTACLE.  
REMOVED HOLDING LIMITED TO ESTABLISHED PATTERN FROM HOLDING RESTRICTIONS.

**INITIATED BY:**

DATE:

**ORGANIZATION:**

NAME:

**DEVELOPED BY:**

**DATE:** 05/24/2016

**OFFICE: AJV-5413**

**NAME:** MIKE MELSSSEN

**APPROVED BY:**

**DATE:** 09/26/2016

**OFFICE: AJV-5410**

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO: EST**  
**ARTCC: ZJX**  
**ATC FACILITY: FLO APP CON**  
**OTHER: CLT APP CON**