

# RADIO FIX AND HOLDING DATA RECORD

NAME: CLEVA

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 350042.82N/0822835.44W

TYPE: 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	FAC FEET	MRA	MAA
1	SUGARLOAF MOUNTAIN	SUG	VORTAC	L	205.44	203.44	25.75	25.75		3400	17500
2	SPARTANBURG	SPA	VORTAC	H	269.41	267.41		27.11		7000	17500

## FIX RESTRICTIONS:

MCA V20 6200 NORTHEAST BOUND  
MCA V35 6200 NORTHEAST BOUND  
MRA V35 7000  
MRA V20 7000

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	SPA	VORTAC	269.41	089.41	R	1	7000 17500	9 17

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	350200.00N/0824430.00W	3527	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	170

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

SUGARLOAF MOUNTAIN (FAC 1) AND SPARTANBURG (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
CLEVA IS DME ONLY FIX BELOW 7000.  
HOLD PATTERN 1 REQUESTED BY ATC FOR FLOW CONTROL/DO NOT CHART. (NORTH/SOUTH APP CON JURISDICTIONS).  
FIX MAKE-UP FACILITIES SPA VORTAC MRA SET 7000 DUE TO FACILITY RESTRICTION AND FIX ERROR.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V20	1, 2				(US)
EN ROUTE	V35	1, 2				(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 04/20/2023

## REASON FOR REVISION:

AIRSPACE DOCKET REMOVED 21-ASW-10  
FIX MAKE-UP FACILITIES FAC 2 UPDATED MRA FROM 6000 TO 7000  
FIX RESTRICTIONS ADDED MRA V20 AND V35 7000 AND MCA V20 AND V35 6200 NORTHEAST BOUND  
REMARKS MOVED HOLDING PATTERN RESTRICTION HOLD PATTERN 1 REQUESTED BY ATC FOR FLOW CONTROL/DO NOT CHART. (NORTH/SOUTH APP CON JURISDICTIONS) TO REMARKS AND ADDED FIX MAKE-UP FACILITIES SPA VORTAC MRA SET 7000 DUE TO FACILITY RESTRICTION AND FIX ERROR UPDATED CLEVA IS DME ONLY FIX BELOW 6000 TO 7000

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A431

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 342509.07N/0824704.86W      **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	MRA	MAA
1	ELECTRIC CITY	ELW	VORTAC	L						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	SW	ELW	VORTAC	223.73	043.73	R	1	2500 6000	4 5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-020052)	342319.30N/0824304.60W	1134	4D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
MAG VAR E00/1975

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASHVILLE			KAVL	ASHEVILLE	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
EN ROUTE	V20					(US)
EN ROUTE	V266					(US)
EN ROUTE	V311					(US)
EN ROUTE	V35					(US)
IAP	ILS OR LOC/DME RWY 27			KAHN	ATHENS	GA (US)
IAP	VOR RWY 5		1	KAND	ANDERSON	SC (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 14      **DATE OF REVISION:** 12/29/2022

**REASON FOR REVISION:**

FIX USE: REMOVED KGMU ILS Y/Z OR LOC Y/Z RWY 1 AND KAND ILS OR LOC RWY 5.

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

**OFFICE OF PRIMARY RESPONSIBILITY:**      AJV-A431      **NAME:** ANDRE TUCKER

**APPROVED BY:**      **DATE:** 12/29/2022      **OFFICE:** AJV-A430      **NAME:** JOHNNIE BAKER

**SIGNATURE:**

## RADIO FIX AND HOLDING DATA RECORD

**NAME:** ELLID

**STATE:** SC

**COUNTRY:** US

**ICAO REGION CODE:** K7

**LATITUDE/LONGITUDE:** 344524.97N/0823634.77W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 8

**DATE OF REVISION:** 04/20/2023

**REASON FOR REVISION:**

TYPE REMOVED DME  
FIX MAKE-UP FACILITIES REMOVED FAC 1 GRD  
FIX USE REMOVED V20 AND V35

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

**NAME:** JOSHUA DUGAN

**APPROVED BY:**

**DATE:** 04/20/2023

**OFFICE:** AJV-A431

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: TUXDO

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 350823.51N/0822433.52W

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	SUGARLOAF MOUNTAIN	SUG	VORTAC	L	205.44	203.44	17.40	17.40	5000	17500
2	SPARTANBURG	SPA	VORTAC	H	287.14	285.14		24.59	5000	17500
3	ASHEVILLE	I-AVL	LOC/DME		166.83	159.83	19.76	19.74	5100	6600

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-AVL	LOC/DME	R-167	20	5100	6600

## FIX RESTRICTIONS:

MRA V20 7000

MRA V35 7000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

SUGARLOAF MOUNTAIN (FAC 1) AND SPARTANBURG (FAC 2) AND ASHEVILLE (FAC 3) USED TO ESTABLISH FIX COORDINATES. SECTIONAL CHARTING REQUESTED BY ATC

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T224					(US)
EN ROUTE	V20	1, 2, 3				(US)
EN ROUTE	V35	1, 2, 3				(US)
IAP	ILS OR LOC RWY 35	1, 2, 3	KAVL		ASHEVILLE	NC (US)
IAP	RNAV (GPS) RWY 19		KGMU		GREENVILLE	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 04/20/2023

## REASON FOR REVISION:

FIX MAKE-UP FACILITIES FAC 3 UPDATED MRA FROM 5200 TO 5100  
EXPANDED SERVICE VOLUME UPDATED MIN ALTITUDE FROM 5200 TO 5100  
FIX RESTRICTIONS ADDED MRA 7000 TO V20 AND V35  
REMARKS ADDED SECTIONAL CHARTING REQUESTED BY ATC

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A431

NAME: ALLAN WILL

SIGNATURE: