

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 335126.10N/0810314.05W **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	MRA	MAA
1	COLUMBIA	CAE	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	SE	CAE	VORTAC	155.00	335.00	L	1		2000	6000	4	5
2	SE	CAE	VORTAC	149.00	329.00	L	1		2000	6000	4	5
3	SW	CAE	VORTAC	205.00	025.00	L	1 1/2		18000	45000	20	31

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-001033)	335011.00N/0810538.00W	749	2C
2	200	TOWER (45-001033)	335011.00N/0810538.00W	749	2C
UPN	230	TOWER (45-000656)	334653.00N/0805513.00W	1039	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 TO AVOID SHAW RAPCONS AIRSPACE.
PAT 1 TO AVOID SHAW RAPCONS AIRSPACE.
PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.
PAT 3 - PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-6001B.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.
PAT 3 FOR ATC USE. EVALUATED AT 310 KT FOR MILITARY.
MAGVAR 2W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	HICKORY (OBSTACLE)			KHKY	HICKORY	NC (US)
DP	FAYETTEVILLE			KRDU	RALEIGH/DURHAM	NC (US)
EN ROUTE	J52					SC (US)
EN ROUTE	V311					SC (US)
EN ROUTE	V325					SC (US)
EN ROUTE	V37					SC (US)
EN ROUTE	V53					SC (US)
EN ROUTE	V56					SC (US)
IAP	ILS OR LOC RWY 17			KAGS	AUGUSTA	GA (US)
IAP	NDB RWY 11			KDNL	AUGUSTA	GA (US)
IAP	ILS OR LOC/DME RWY 7			KAIK	AIKEN	SC (US)
IAP	NDB RWY 25			KAIK	AIKEN	SC (US)
IAP	ILS OR LOC RWY 11		1	KCAE	COLUMBIA	SC (US)
IAP	ILS OR LOC RWY 29			KCAE	COLUMBIA	SC (US)
IAP	ILS OR LOC RWY 5		1	KCAE	COLUMBIA	SC (US)
IAP	ILS RWY 11 (CAT II - III)		1	KCAE	COLUMBIA	SC (US)
IAP	VOR-A		2	KCAE	COLUMBIA	SC (US)
IAP	LOC RWY 31		1	KCUB	COLUMBIA	SC (US)
IAP	RNAV (GPS) RWY 23			KOGB	ORANGEBURG	SC (US)
IAP	RNAV (GPS) RWY 5			KOGB	ORANGEBURG	SC (US)
IAP	VOR-A		1	K6JO	PELION	SC (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KAGS	AUGUSTA	GA (US)
STAR	UNARM			KVUJ	ALBEMARLE	NC (US)
STAR	UNARM			KCLT	CHARLOTTE	NC (US)
STAR	UNARM			KJQF	CONCORD	NC (US)
STAR	UNARM			KAKH	GASTONIA	NC (US)
STAR	BLOCC			KGSO	GREENSBORO	NC (US)
STAR	UNARM			KIPJ	LINCOLNTON	NC (US)
STAR	UNARM			KEQY	MONROE	NC (US)
STAR	BUZZY			KHNZ	OXFORD	NC (US)
STAR	BUZZY			KRDU	RALEIGH/DURHAM	NC (US)
STAR	BUZZY			KTDF	ROXBORO	NC (US)
STAR	UNARM			KRUQ	SALISBURY	NC (US)
STAR	BUZZY			KTTA	SANFORD	NC (US)
STAR	UNARM			KEHO	SHELBY	NC (US)
STAR	UNARM			KAFF	WADESBORO	NC (US)

STAR	UNARM	KN52	WAXHAW	NC (US)
STAR	BLOCC	KINT	WINSTON SALEM	NC (US)
STAR	UNARM	KDCM	CHESTER	SC (US)
STAR	UNARM	KLKR	LANCASTER	SC (US)
STAR	UNARM	KUZA	ROCK HILL	SC (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:

AIRSPACE DOCKET; ADDED 19-ASO-7.

FIX USE; REMOVED J4, J47, J51 AND J75. REMOVED KRDU MALNR (RNAV) STAR. ADDED (OBSTACLE) TO KHKY HICKORY DP.

REQUIRED CHARTING; ADDED CONTROLLER LOW/HIGH.

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: CAE APP CON
 OTHER:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 350201.05N/0815537.24W **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	MRA	MAA
1	SPARTANBURG	SPA	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V605 5200 NORTHBOUND

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	S	SPA	VORTAC	194.00	014.00	R	1	2700 17500	4 16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-054085)	345852.39N/0815910.02W	1336	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVAL COMPLETE.
MAGVAR 2W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PLMMR (RNAV)			KATL	ATLANTA	GA (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	HICKORY (OBSTACLE)			KHKY	HICKORY	NC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
EN ROUTE	J118					(US)
EN ROUTE	J14					(US)
EN ROUTE	J53					(US)
EN ROUTE	J83					(US)
EN ROUTE	J85					(US)
EN ROUTE	Q22					(US)
EN ROUTE	Q60					(US)
EN ROUTE	V266					(US)
EN ROUTE	V415					(US)
EN ROUTE	V53					(US)
EN ROUTE	V54					(US)
EN ROUTE	V605					(US)
IAP	ILS OR LOC RWY 35			KAVL	ASHEVILLE	NC (US)
IAP	LOC RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	RNAV (GPS) RWY 1			KFQD	RUTHERFORDTON	NC (US)
IAP	NDB RWY 23			KEHO	SHELBY	NC (US)
IAP	RNAV (GPS) RWY 5			KEHO	SHELBY	NC (US)
IAP	NDB RWY 35			KDCM	CHESTER	SC (US)
IAP	ILS Y OR LOC Y RWY 1 (ALT MISS)			KGMU	GREENVILLE	SC (US)
IAP	ILS Z OR LOC Z RWY 1 (ALT MISS)			KGMU	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 5 (ALT MISS)			KGYH	GREENVILLE	SC (US)
IAP	RNAV (GPS) RWY 23			KGYH	GREENVILLE	SC (US)
IAP	ILS OR LOC RWY 22		1	KGSP	GREER	SC (US)
IAP	ILS OR LOC RWY 4		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (CAT II-III)		1	KGSP	GREER	SC (US)
IAP	ILS RWY 4 (SA CAT I)		1	KGSP	GREER	SC (US)
IAP	ILS OR LOC RWY 5		1	KSPA	SPARTANBURG	SC (US)
STAR	WHINZ			KATL	ATLANTA	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	BROOK			KGSO	GREENSBORO	NC (US)
STAR	TRAKS (RNAV)			KGSO	GREENSBORO	NC (US)
STAR	CHPTR			KIPJ	LINCOLNTON	NC (US)

STAR	UNARM	KIPJ	LINCOLN	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	BROOK	KINT	WINSTON SALEM	NC (US)
STAR	TRAKS (RNAV)	KINT	WINSTON SALEM	NC (US)
STAR	CHPTR	KDCM	CHESTER	SC (US)
STAR	UNARM	KDCM	CHESTER	SC (US)
STAR	JUNNR (RNAV)	KGMU	GREENVILLE	SC (US)
STAR	JUNNR (RNAV)	KGYH	GREENVILLE	SC (US)
STAR	JUNNR (RNAV)	KGSP	GREER	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)
STAR	JUNNR (RNAV)	KSPA	SPARTANBURG	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 01/30/2020

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 19-ASO-7.

FIX USE: DELETED J37 AND J47.

HOLDING: CHANGED PAT 1 MIN ALT FROM 3000 TO 2700.

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: ZTL

ATC FACILITY: GSP APP CON

OTHER: AVL APP CON