

RADIO FIX AND HOLDING DATA RECORD

NAME: BUZZY STATE: NC COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 353019.14N/0792308.68W TYPE: WP, 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	SANDHILLS	SDZ	VORTAC	L	032.69	029.69	20.00	20.00	3000	17500
2	RALEIGH/DURHAM	RDU	VORTAC	H	242.41	233.41	36.75	36.75	3000	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	SDZ	VORTAC	033.00	033.00	R	1		6000	14000	8	10
2	SW		WP	242.40	062.40	R		10	4000	17500	15	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (37-001596)	351958.00N/0792426.00W	925	5D
2	230	TOWER (37-003185)	351720.36N/0793834.53W	975	5D

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
10 NM HOLDING LEG FOR PAT 2 REQUESTED BY ATC.
ZDC COORDINATION FIX.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BUZZY	1, 2	1	KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

1. FIX USE: REMOVED STAR MALNR (RNAV) AT KRDU.
2. FIX USE: REMOVED ZDC COORDINATION FIX AND MOVED TO REMARKS SECTION.
3. FIX USE: REMOVED STAR BUZZY AT KTDF, KHNZ AND KTTA.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: TARA MARTINELLI

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: RDU APP CON
OTHER:

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: 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 FEET	MAA
1	COLUMBIA	CAE	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	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

REASON FOR NONSTANDARD HOLDING:

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

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.
 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)
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	K6J0	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			KRDU	RALEIGH/DURHAM	NC (US)
STAR	UNARM			KRUQ	SALISBURY	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: 25

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

DELETED FAYETTEVILLE DP FROM FIX USE - FAYETTEVILLE DP IS BEING CANCELLED.
DELETED UPN HOLDING PATTERN AND ASSOCIATED DATA.

ADDED REMARK: HOLDING LIMITED TO ESTABLISHED PATTERNS.

DELETED BUZZY STAR @ TDF, HNZ AND TTA IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: ROBERT GRIM

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZJX

ATC FACILITY: CAE APP CON

OTHER:

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: 19-ASO-27 **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:** 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	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	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			KVUJ	ALBEMARLE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	KNIGHTS			KAKH	GASTONIA	NC (US)
DP	HICKORY (OBSTACLE)			KHKY	HICKORY	NC (US)
DP	KNIGHTS			KIPJ	LINCOLNTON	NC (US)
DP	KNIGHTS			KEQY	MONROE	NC (US)
DP	KNIGHTS			KRUQ	SALISBURY	NC (US)
DP	KNIGHTS			KLKR	LANCASTER	SC (US)
DP	KNIGHTS			KUZA	ROCK HILL	SC (US)
EN ROUTE	V139					(US)
EN ROUTE	V157					(US)
EN ROUTE	V259					(US)
EN ROUTE	V3					(US)
EN ROUTE	V437					(US)
EN ROUTE	V56					(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 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	RASLN	3	KIPJ	LINCOLNTON	NC (US)
STAR	RASLN	3	KEQY	MONROE	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, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 26

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

DELETED FAYETTEVILLE DP FROM FIX USE - FAYETTEVILLE DP IS BEING CANCELLED.
 DELETED MALNR STAR AT KRDU FROM FIX USE - FACILITY NO LONGER USED ON PROCEDURE.
 DELETED BUZZY STAR AT KRDU FROM FIX USE - FACILITY NO LONGER USED ON PROCEDURE.
 DELETED BLOCC STAR AT KRDU FROM FIX USE - FACILITY NO LONGER USED ON PROCEDURE.
 DELETED AIRWAY J207 FROM FIX USE.
 DELETED AIRWAY J55 FROM FIX USE.
 ADDED AIRSPACE DOCKET 19-ASO-27.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: ROBERT GRIM

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SANDHILLS VORTAC **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 351255.73N/0793516.57W **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 FEET	MAA
1	SANDHILLS	SDZ	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	SDZ	VORTAC	272.11	092.11	L	1		3300	8000	4	8

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-003185)	351720.36N/0793834.53W	975	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 FACILITY RESTRICTIONS/PERFORMANCE

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
HOLDING OVERLIES A PORTION OF ALERT AREA 531 WITH ACTIVITY UP TO 2235 FT MSL.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAG VAR W03/1965

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KNIGHTS			KVUJ	ALBEMARLE	NC (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KCLT	CHARLOTTE	NC (US)
DP	KNIGHTS			KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	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	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	KNIGHTS			KRUQ	SALISBURY	NC (US)
DP	WINSTON			KINT	WINSTON-SALEM	NC (US)
DP	KNIGHTS			KLKR	LANCASTER	SC (US)
DP	KNIGHTS			KUZA	ROCK HILL	SC (US)
EN ROUTE	V155					(US)
EN ROUTE	V3					(US)
EN ROUTE	V373					(US)
EN ROUTE	V39					(US)
EN ROUTE	V54					(US)
EN ROUTE	V66					(US)
IAP	ILS Y OR LOC/DME Y RWY 5		1	KSOP	PINEHURST/SOUTHERN PINES	NC (US)
IAP	ILS Z OR LOC/DME Z RWY 5		1	KSOP	PINEHURST/SOUTHERN PINES	NC (US)
IAP	VOR/DME OR GPS-A			K5W4	RAEFORD	NC (US)
STAR	BLOCC			KGSO	GREENSBORO	NC (US)
STAR	BUZZY			KRDU	RALEIGH/DURHAM	NC (US)
STAR	BLOCC			KINT	WINSTON SALEM	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 11/05/2020

REASON FOR REVISION:

1. ADDED CONTROLLER LOW AND CONTROLLER HIGH TO REQUIRED CHARTING.

05/20/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/17/20.

1. REMOVED BUZZY STAR FROM KHNZ, KTDF, AND KTTA IN FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5431

NAME: LIAM DONAHUE**APPROVED BY:****DATE:****OFFICE:** AJV-A430**NAME:** GEORGE DAVIS**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** EST**ARTCC:** ZDC**ATC FACILITY:** FAY APP CON**OTHER:**