

RADIO FIX AND HOLDING DATA RECORD

NAME: COLLIERS VORTAC

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 334226.47N/0820943.43W

TYPE:



AIRSPACE DOCKET: 19-ASO-18

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	COLLIERS	IRQ	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	N	IRQ	VORTAC	341.00	161.00	R	1	2100 17500	4 16
2	NE	IRQ	VORTAC	063.00	243.00	R	1	2400 10000	4 9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (45-000142)	333939.70N/0821046.96W	845	2C
2	200	TOWER (45-000142)	333939.70N/0821046.96W	845	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 4W (1990).

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GAIRY (RNAV)			KATL	ATLANTA	GA (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	PLFMD (RNAV)			KCHS	CHARLESTON	SC (US)
DP	EXECUTIVE (RNAV)			KJZI	CHARLESTON	SC (US)
EN ROUTE	J4					(US)
EN ROUTE	J53					(US)
EN ROUTE	J81					(US)
EN ROUTE	J99					(US)
EN ROUTE	T209					(US)
EN ROUTE	V155					(US)
EN ROUTE	V18					(US)
EN ROUTE	V185					(US)
EN ROUTE	V417					(US)
EN ROUTE	V56					(US)
IAP	ILS OR LOC RWY 17			KAGS	AUGUSTA	GA (US)
IAP	ILS OR LOC RWY 35		1	KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) Z RWY 8			KAGS	AUGUSTA	GA (US)
IAP	NDB RWY 11			KDNL	AUGUSTA	GA (US)
IAP	VOR/DME-B		1	KDNL	AUGUSTA	GA (US)
IAP	ILS OR LOC/NDB RWY 10		2	KHQU	THOMSON	GA (US)
IAP	VOR/DME-A		2	KHQU	THOMSON	GA (US)
IAP	ILS OR LOC/DME RWY 7			KAIK	AIKEN	SC (US)
IAP	NDB RWY 25			KAIK	AIKEN	SC (US)
IAP	VOR/DME-A			KAIK	AIKEN	SC (US)
STAR	SINCA			KATL	ATLANTA	GA (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KDNL	AUGUSTA	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	CHPTR			KIPJ	LINCOLNTON	NC (US)
STAR	UNARM			KIPJ	LINCOLNTON	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	OSPRI (RNAV)	KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)	KJZI	CHARLESTON	SC (US)
STAR	CHPTR	KDCM	CHESTER	SC (US)
STAR	UNARM	KDCM	CHESTER	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)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. CHANGED DOCKET NUMBER FROM 17-ASO-6 TO 19-ASO-18.
2. DELETED ENROUTE J85 AND J52 FROM FIX USE - SUPPORT NORTHEAST CORRIDOR ATLANTIC ROUTE PROJECT.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** STEVEN DOUGHERTY

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZTL
ATC FACILITY: AGS APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PULASKI VORTAC **STATE:** VA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 370515.74N/0804246.44W **TYPE:**

AIRSPACE DOCKET: 19-ASO-18 **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	PULASKI	PSK	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S	PSK	VORTAC	198.00	018.00	R	1		5000	6000	5	5
2	S		WP	198.00	018.00	R		5	5500	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	365549.75N/0804002.35W	3699	2C
2	200	AAO	365549.75N/0804002.35W	3699	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
MAG VAR W06/1985

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT			KVUJ	ALBEMARLE	NC (US)
DP	KERMIT			KCLT	CHARLOTTE	NC (US)
DP	KERMIT			KJQF	CONCORD	NC (US)
DP	KERMIT			KAKH	GASTONIA	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	KERMIT			KIPJ	LINCOLNTON	NC (US)
DP	KERMIT			KEQY	MONROE	NC (US)
DP	KERMIT			KRUQ	SALISBURY	NC (US)
DP	KERMIT			KLKR	LANCASTER	SC (US)
DP	KERMIT			KUZA	ROCK HILL	SC (US)
DP	KINGS			KTRI	BRISTOL/JOHNSON/KINGSPORT	TN (US)
DP	KNOXVILLE			KTYS	KNOXVILLE	TN (US)
DP	TAKEOFF MINIMUMS			KPSK	DUBLIN	VA (US)
DP	HOKEE			KROA	ROANOKE	VA (US)
EN ROUTE	J22					(US)
EN ROUTE	Q103					(US)
EN ROUTE	V136					(US)
EN ROUTE	V16					(US)
EN ROUTE	V37					(US)
EN ROUTE	V45					(US)
EN ROUTE	V466					(US)
EN ROUTE	V470					(US)
EN ROUTE	V59					(US)
IAP	ILS OR LOC Y RWY 6		1	KPSK	DUBLIN	VA (US)
IAP	ILS OR LOC Z RWY 6		1	KPSK	DUBLIN	VA (US)
IAP	RNAV (GPS) RWY 24			KPSK	DUBLIN	VA (US)
IAP	RNAV (GPS) RWY 6			KPSK	DUBLIN	VA (US)
IAP	VOR/DME RWY 6		1	KPSK	DUBLIN	VA (US)
IAP	RNAV (GPS) RWY 19			KHLX	GALAX/HILLSVILLE	VA (US)
IAP	LOC RWY 26			KMKJ	MARION/WYTHEVILLE	VA (US)
IAP	RNAV (GPS) RWY 26			KMKJ	MARION/WYTHEVILLE	VA (US)
IAP	ILS OR LOC RWY 34			KROA	ROANOKE	VA (US)
IAP	LDA Y RWY 6			KROA	ROANOKE	VA (US)
IAP	LDA Z RWY 6			KROA	ROANOKE	VA (US)
IAP	RNAV (GPS) Y RWY 6			KROA	ROANOKE	VA (US)
STAR	BRUSH			KCVG	COVINGTON	KY (US)
STAR	BRUSH			KK62	FALMOUTH	KY (US)
STAR	BTSEY			KCLT	CHARLOTTE	NC (US)
STAR	BTSEY			KAKH	GASTONIA	NC (US)
STAR	BTSEY			KIPJ	LINCOLNTON	NC (US)
STAR	BTSEY			KEQY	MONROE	NC (US)
STAR	BTSEY			KEHO	SHELBY	NC (US)
STAR	BTSEY			KAFP	WADESBORO	NC (US)
STAR	BTSEY			KN52	WAXHAW	NC (US)
STAR	BRUSH			KI69	BATAVIA	OH (US)
STAR	BRUSH			KISZ	CINCINNATI	OH (US)
STAR	BRUSH			KLUK	CINCINNATI	OH (US)
STAR	BRUSH			KHAO	HAMILTON	OH (US)
STAR	BTSEY			KDCM	CHESTER	SC (US)

STAR	BTSEY	KLKR	LANCASTER	SC (US)
STAR	BTSEY	KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 28

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. REMOVED KIGX, KLIZ, KRDU, KHNZ, KTDF, KTTA, KJNX SOUTH BOSTON STARS FROM FIX USE.
2. REMOVED KBCB IAP'S LOC RWY 13, NDB-A, AND RNAV (GPS) RWY 30 FROM FIX USE.
3. REMOVED KBCB DP TAKEOFF MINS, BEMAR(RNAV) SID, AND SETHY (RNAV) SID FROM FIX USE.
4. REMOVED KRDU LWOOD DP FROM FIX USE.
5. REMOVED J53 FROM FIX USE.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A422 **NAME:** ANDRE TUCKER

APPROVED BY: **DATE:** **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZTL
 ATC FACILITY: ROA 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-18 **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: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES 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	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	LINCOLNTON	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: 24

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET NUMBER 19-ASO-18
2. REMOVED J14 AND J53 FROM FIX USE

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** KELLIE BARNES

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