

RADIO FIX AND HOLDING DATA RECORD

NAME: AIKEN NDB

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 333906.48N/0814037.10W

TYPE:

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 FEET	MRA	MAA
1	AIKEN	AIK	NDB	MH						17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17			KAGS	AUGUSTA	GA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. HOLDING PATTERNS UPDATE; REMOVED PAT 1 AND ASSOCIATED DATA.
2. REMOVED NDB RWY 25 AT KAIK FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
May 09, 2025

QUALITY
23
CHECKED

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:

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 PATTERN(S)

REMARKS:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BIRMINGHAM			KBHM	BIRMINGHAM	AL (US)
DP	GAIRY (RNAV)			KATL	ATLANTA	GA (US)
DP	ASHEVILLE			KAVL	ASHEVILLE	NC (US)
DP	STUNO (RNAV)			KCHS	CHARLESTON	SC (US)
DP	EXECUTIVE (RNAV)			KJZI	CHARLESTON	SC (US)
EN ROUTE	J99					(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	1	KAGS	AUGUSTA	GA (US)
IAP	ILS RWY 35 (SA CAT II)	1	1	KAGS	AUGUSTA	GA (US)
IAP	RNAV (GPS) Z RWY 8			KAGS	AUGUSTA	GA (US)
IAP	VOR/DME-B	1	1	KDNL	AUGUSTA	GA (US)
IAP	ILS OR LOC/NDB RWY 10		2	KHQU	THOMSON	GA (US)
IAP	VOR/DME-A	1	2	KHQU	THOMSON	GA (US)
IAP	ILS OR LOC/DME RWY 7			KAIK	AIKEN	SC (US)
IAP	VOR/DME-A			KAIK	AIKEN	SC (US)
IAP	ILS OR LOC RWY 5			KGYH	GREENVILLE	SC (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KDNL	AUGUSTA	GA (US)
STAR	OSPRI (RNAV)			KCHS	CHARLESTON	SC (US)
STAR	OSPRI (RNAV)			KJZI	CHARLESTON	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 28

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. REMOVED NDB RWY 25 AT KAIK FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 10/23/2025

OFFICE: AVJ-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

May 09, 2025



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 FEET	MRA	MAA
1	COLUMBIA	CAE	VORTAC	VH						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 30
4	SE	CAE	VORTAC	155.00	335.00	L	1	2100 6000	4 13

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
4	200	TOWER (45-001033)	335011.00N/0810538.00W	749	2C
4	310	TOWER (45-000656)	334652.55N/0805512.61W	1065	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 TO AVOID SHAW RAPCONS AIRSPACE.
PAT 2 TO AVOID SHAW RAPCONS AIRSPACE.
PAT 3 ATC REQUEST.
PAT 4 TO AVOID SHAW RAPCONS AIRSPACE.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	ILS OR LOC RWY 5	KCAE	COLUMBIA	SC (US)
4	ILS OR LOC RWY 29	KCAE	COLUMBIA	SC (US)
4	ILS RWY 11 (CAT II & III)	KCAE	COLUMBIA	SC (US)

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)
EN ROUTE	V325					SC (US)
EN ROUTE	V37					SC (US)
EN ROUTE	V53					SC (US)
EN ROUTE	V56					SC (US)
IAP	ILS OR LOC/DME RWY 7			KAIK	AIKEN	SC (US)
IAP	ILS OR LOC RWY 11		1	KCAE	COLUMBIA	SC (US)
IAP	ILS OR LOC RWY 29		4	KCAE	COLUMBIA	SC (US)
IAP	ILS OR LOC RWY 5		4	KCAE	COLUMBIA	SC (US)
IAP	ILS RWY 11 (CAT II & III)		4	KCAE	COLUMBIA	SC (US)
IAP	VOR-A		2	KCAE	COLUMBIA	SC (US)
IAP	LOC RWY 31		1	KCUB	COLUMBIA	SC (US)
IAP	NDB RWY 2			KMNI	MANNING	SC (US)
IAP	VOR-A		1	6J0	PELION	SC (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STWRT			KAGS	AUGUSTA	GA (US)
STAR	BLOCC			KGSO	GREENSBORO	NC (US)
STAR	BUZZY			KRDU	RALEIGH/DURHAM	NC (US)
STAR	BLOCC			KINT	WINSTON SALEM	NC (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: 31

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. REMOVED NDB RWY 25 AT KAIK FROM FIX USE.



INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: KWEKU DONKOR

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

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May 09, 2025

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