

RADIO FIX AND HOLDING DATA RECORD

NAME: AIROW **STATE:** VA **COUNTRY:** US **ICAO REGION CODE:** K6

LATITUDE/LONGITUDE: 371448.69N/0791347.48W **TYPE:** WP

AIRSPACE DOCKET: 24-AEA-2 **FIX TYPE OF ACTION:** NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE		WP	042.85	222.85	R	10	18000	37000	17	27

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	373357.00N/0791127.00W	3127	4B

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T356					(US)
EN ROUTE	T358					(US)
STAR	NASCR (RNAV)			KVUJ	ALBEMARLE	NC (US)
STAR	CHSLY (RNAV)		1	KCLT	CHARLOTTE	NC (US)
STAR	NASCR (RNAV)			KJQF	CONCORD	NC (US)
STAR	HENBY (RNAV)			KGSO	GREENSBORO	NC (US)
STAR	NASCR (RNAV)			KRUQ	SALISBURY	NC (US)
STAR	HENBY (RNAV)			KINT	WINSTON SALEM	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 02/20/2025

REASON FOR REVISION:

- DOCKET: ADDED "24-AEA-2"
- FIX USE: ADDED "STAR HENBY (RNAV)" AT KGSO AND KINT, "STAR NASCR (RNAV)" AT KJQF, KRUQ, AND KVUJ, "EN ROUTE T356" AND "EN ROUTE T358".
- CHARTING: ADDED "EN ROUTE LOW" AND "CONTROLLER LOW"

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** HENRY BRADSHAW

APPROVED BY: **DATE:** 02/20/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: GREENSBORO VORTAC STATE: NC COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 360244.49N/0795834.94W

TYPE:

AIRSPACE DOCKET: 24-AEA-2

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
							NM	FEET		
1	GREENSBORO	GSO	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	HOLDING ALTITUDES	TEMPLATES
							TIME DME	MIN MAX	MIN MAX
1	SW	GSO	VORTAC	221.00	041.00	R	1	3100 17500	4 17
2	E	GSO	VORTAC	108.00	288.00	R	1	3100 17500	4 17
3	W		WP	287.00	107.00	R	4	3000 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-001004)	360553.00N/0800107.00W	1341	5D
1	310	TOWER (37-001292)	355642.65N/0795144.38W	2046	1A
2	200	TOWER (37-000975)	355811.00N/0794929.00W	1851	2C
2	310	TOWER (37-001292)	355642.65N/0795144.38W	2046	1A
3	200	TOWER (37-002786)	360636.33N/0800436.41W	1441	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME RWY 23L	KGSO	GREENSBORO	NC (US)
2	ILS RWY 23L (CAT II)	KGSO	GREENSBORO	NC (US)
2	ILS OR LOC RWY 23L	KGSO	GREENSBORO	NC (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAGVAR: 3W (1965)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHATT (RNAV)			KAGS	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KDNL	AUGUSTA	GA (US)
DP	CHATT (RNAV)			KHQU	THOMSON	GA (US)
DP	CHARLOTTE			KCLT	CHARLOTTE	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	QUAKER			KGSO	GREENSBORO	NC (US)
DP	TRIAD			KGSO	GREENSBORO	NC (US)
DP	HICKORY			KHKY	HICKORY	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	PACKK			KINT	WINSTON SALEM	NC (US)
DP	QUAKER			KINT	WINSTON-SALEM	NC (US)
DP	TRIAD			KINT	WINSTON-SALEM	NC (US)
DP	CHATT (RNAV)			KAIK	AIKEN	SC (US)
DP	READE			KRIC	RICHMOND	VA (US)
EN ROUTE	Q75					(US)
EN ROUTE	Q83					(US)
EN ROUTE	T356					(US)
EN ROUTE	T358					(US)
EN ROUTE	T480					(US)
EN ROUTE	T553					(US)
EN ROUTE	V103					(US)
EN ROUTE	V143					(US)
EN ROUTE	V266					(US)
EN ROUTE	V310					(US)
EN ROUTE	V373					(US)
EN ROUTE	V45					(US)
IAP	ILS Z OR LOC Z RWY 6			KBUY	BURLINGTON	NC (US)
IAP	ILS OR LOC RWY 36R			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (CAT II & III)			KCLT	CHARLOTTE	NC (US)
IAP	ILS RWY 36R (SA CAT I)			KCLT	CHARLOTTE	NC (US)
IAP	ILS OR LOC RWY 20			KJQF	CONCORD	NC (US)
IAP	ILS OR LOC RWY 23L		2	KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 23R			KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 5L			KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 5R			KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 23L (CAT II)		2	KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 5L (CAT II & III)			KGSO	GREENSBORO	NC (US)
IAP	ILS RWY 5R (SA CAT II)			KGSO	GREENSBORO	NC (US)

QUALITY
14
CHECKED

IAP	ILS Y OR LOC Y RWY 32		KGSO	GREENSBORO	NC (US)
IAP	ILS Z OR LOC Z RWY 32		KGSO	GREENSBORO	NC (US)
IAP	VOR/DME RWY 23L	1	KGSO	GREENSBORO	NC (US)
IAP	ILS OR LOC RWY 6		KEXX	LEXINGTON	NC (US)
IAP	VOR-A		KSIF	REIDSVILLE	NC (US)
IAP	ILS OR LOC RWY 20		KRUQ	SALISBURY	NC (US)
IAP	NDB RWY 20		KRUQ	SALISBURY	NC (US)
IAP	ILS Z OR LOC Z RWY 28		KSVH	STATESVILLE	NC (US)
IAP	VOR/DME OR GPS RWY 34		N63	WALNUT COVE	NC (US)
IAP	RNAV (GPS) RWY 15	3	KINT	WINSTON SALEM	NC (US)
IAP	ILS OR LOC RWY 33		KINT	WINSTON-SALEM	NC (US)
IAP	RNAV (GPS) RWY 33		KINT	WINSTON-SALEM	NC (US)
IAP	ILS OR LOC RWY 2		KDAN	DANVILLE	VA (US)
STAR	STWRT		KAGS	AUGUSTA	GA (US)
STAR	NASCR (RNAV)		KVUJ	ALBEMARLE	NC (US)
STAR	BTSEY		KCLT	CHARLOTTE	NC (US)
STAR	NASCR (RNAV)		KJQF	CONCORD	NC (US)
STAR	BLOCC		KGSO	GREENSBORO	NC (US)
STAR	BROOK		KGSO	GREENSBORO	NC (US)
STAR	HENBY (RNAV)		KGSO	GREENSBORO	NC (US)
STAR	NASCR (RNAV)		KRUQ	SALISBURY	NC (US)
STAR	HENBY (RNAV)		KINT	WINSTON SALEM	NC (US)
STAR	BLOCC		KINT	WINSTON-SALEM	NC (US)
STAR	BROOK		KINT	WINSTON-SALEM	NC (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 36

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. DOCKET: CHANGED "23-ASO-41" TO "24-AEA-2"
2. FIX USE: REMOVED "STAR HENBY" AT KGSO AND KINT, AND "STAR NASCR" AT KJQF, KRUQ, AND KVUJ; ADDED "STAR HENBY (RNAV)" AT KGSO AND KINT, "STAR NASCR (RNAV)" AT KJQF, KRUQ, AND KVUJ, "EN ROUTE T356", "EN ROUTE T358", AND "EN ROUTE T553".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: HENRY BRADSHAW

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: HENBY

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 364310.15N/0800129.31W

TYPE: WP, INT, 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 FEET	MRA	MAA
1	ROANOKE	ROA	VOR/DME	L	180.63	176.63	37.45	37.45	5100	33000
2	LYNCHBURG	LYH	VOR/DME	L	235.01	230.01		49.64	4000	31000
3	GREENSBORO	GSO	VORTAC	VH	359.69	356.69	40.44	40.44	4000	31000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ROA	VOR/DME	R-181	38	21000	33000
LYH	VOR/DME	R-235	50	4000	31000
GSO	VORTAC	R-360	41	4000	6000

FIX RESTRICTIONS:

MCA T553 3700 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	N		WP	001.00	181.00	L	11	5800 31000	18 24
2	N	GSO	VORTAC	359.69	179.69	L	1	4000 31000	7 25

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	370703.00N/0800057.00W	3747	4B
2	200	AAO	365645.00N/0795927.00W	2382	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	100

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

LYNCHBURG (FAC 2) AND GREENSBORO (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 2 ATC USE.
PAT 2 400FT MOUNTAINOUS ROC REDUCTION

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (GPS) RWY 26			1VA1	STUART	VA (US)
EN ROUTE	T414					(US)
EN ROUTE	T553					(US)
EN ROUTE	V103	1, 2, 3				(US)
STAR	NASCR (RNAV)			KVUJ	ALBEMARLE	NC (US)
STAR	NASCR (RNAV)			KJQF	CONCORD	NC (US)
STAR	HENBY (RNAV)		1	KGSO	GREENSBORO	NC (US)
STAR	NASCR (RNAV)			KRUQ	SALISBURY	NC (US)
STAR	HENBY (RNAV)		1	KINT	WINSTON SALEM	NC (US)

REQUIRED CHARTING: STAR, IAP, EN ROUTE LOW, SPECIAL IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:



- 1. DOCKET: REMOVED "21-ASO-14"
- 2. FIX MAKE-UP: UPDATED GSO VORTAC CLASS FROM "H" TO "VH".
- 3. ESV: UPDATED GSO VORTAC MAX ALTITUDE FROM "15500" TO "6000"
- 4. PATTERNS: REMOVED PAT 1 "N ROA VOR/DME 000.63 180.63"; ADDED PAT 1 "N WP 001.00 181.00 "
- 5. NONSTANDARD HOLDING: UPDATED FROM "AIR TRAFFIC REQUEST" TO "ATC REQUEST"
- 6. FIX USE: REMOVED "STAR HENBY" AT KGSO AND KINT, AND "STAR NASCAR" AT KJQF, KRUQ, AND KVUJ; ADDED "STAR HENBY (RNAV)" AT KGSO AND KINT, "STAR NASCAR (RNAV)" AT KJQF, KRUQ, AND KVUJ, AND "EN ROUTE T553"
- 7. FIX RESTRICTION: ADDED "MCA T553 3700 NORTHBOUND"

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 **NAME:** HENRY BRADSHAW

APPROVED BY: **DATE:** 02/20/2025 **OFFICE:** AJV-A423 **NAME:** ALLAN WILL

SIGNATURE:

