

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-12

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	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(S).

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)
EN ROUTE	T414					(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: 3

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "24-AEA-2" TO "24-AEA-12".
2. ADDED EN ROUTE T414 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BOJAR

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 371543.97N/0791433.36W

TYPE: WP

AIRSPACE DOCKET: 21-ASO-7

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
T414

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/14/2022

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BRAIL

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 374424.08N/0783252.00W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-AEA-12

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	MONTEBELLO	MOL	VOR/DME	VL	114.72	109.72		28.27		4000	17500
2	GORDONSVILLE	GVE	VORTAC	VH	234.96	228.96	24.91	24.91		4000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

MONTEBELLO (FAC 1) AND GORDONSVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
CHART ON SECTIONAL PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T360					(US)
EN ROUTE	T414					(US)
EN ROUTE	V290	1, 2				(US)
EN ROUTE	V476	1, 2				(US)

REQUIRED CHARTING: SECTIONAL, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. CHANGED AIRSPACE DOCKET FROM "21-AEA-22" TO "24-AEA-12".
2. MOL CLASS CHANGED FROM "L" TO "VL" AND GVE FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
3. ADDED REMARK "MONTEBELLO (FAC 1) AND GORDONSVILLE (FAC 2) USED TO ESTABLISH FIX COORDINATES".
4. ADDED EN ROUTE T414 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GORDONSVILLE VORTAC

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 380048.96N/0780910.90W

TYPE:

AIRSPACE DOCKET: 24-AEA-12

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	GORDONSVILLE	GVE	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 TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	GVE	VORTAC	213.00	033.00	R	1		4000	7000	4	8
2	S	GVE	VORTAC	182.00	002.00	R	1		2900	7000	4	8
3	SW		WP	213.00	033.00	R		4	4000	7000	5	9
4	S		WP	182.00	002.00	R		4	2900	7000	5	9
5	W		WP	272.23	092.23	L		10	24000	45000	20	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-001287)	375659.32N/0780641.38W	839	1A
2	200	TOWER (51-001287)	375659.32N/0780641.38W	839	1A
2	310	TOWER (51-001287)	375659.32N/0780641.38W	839	1A
3	200	TOWER (51-001287)	375659.32N/0780641.38W	839	1A
4	200	TOWER (51-001287)	375659.32N/0780641.38W	839	1A
4	310	AAO	380733.00N/0781709.00W	1998	4E

REASON FOR NONSTANDARD HOLDING:

PAT 5 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	LOC RWY 27	KLKU	LOUISA	VA (US)
4	RNAV (GPS) RWY 27	KLKU	LOUISA	VA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ASSIGNED FACILITY MAGVAR: 6W (1965).

PAT 4: 310 KIAS OBSTACLE LIES IN SECONDARY AREA 10594 FT FROM EDGE OF PRIMARY (PRIMARY EQUIVALENT 1062.01 MSL).

PAT 5: NOAA DYNAMIC MAG VAR, TRUE COURSE IS 082.23.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	NATIONAL			KDCA	WASHINGTON	DC (US)
DP	CAPITAL			KIAD	WASHINGTON	DC (US)
DP	ODP			KCHO	CHARLOTTESVILLE	VA (US)
DP	ARSENAL			KHEF	MANASSAS	VA (US)
DP	READER			KRIC	RICHMOND	VA (US)
EN ROUTE	Q127					(US)
EN ROUTE	Q34		5			(US)
EN ROUTE	Q75					(US)
EN ROUTE	T287					(US)
EN ROUTE	T414					(US)
EN ROUTE	V3					(US)
EN ROUTE	V375					(US)
EN ROUTE	V38					(US)
EN ROUTE	V39					(US)
EN ROUTE	V453					(US)
EN ROUTE	V473					(US)
EN ROUTE	V476					(US)
IAP	RNAV (GPS) RWY 8			7W4	BUMPASS	VA (US)
IAP	ILS OR LOC RWY 3		1	KCHO	CHARLOTTESVILLE	VA (US)
IAP	RNAV (GPS) RWY 3		3	KCHO	CHARLOTTESVILLE	VA (US)
IAP	RNAV (GPS) Y RWY 21		3	KCHO	CHARLOTTESVILLE	VA (US)
IAP	RNAV (GPS) Z RWY 21		3	KCHO	CHARLOTTESVILLE	VA (US)
IAP	LOC RWY 4			KCJR	CULPEPER	VA (US)
IAP	RNAV (GPS) RWY 24			KEZF	FREDERICKSBURG	VA (US)
IAP	LOC RWY 27		2	KLKU	LOUISA	VA (US)
IAP	RNAV (GPS) RWY 27		4	KLKU	LOUISA	VA (US)
IAP	RNAV (GPS) RWY 8			KOMH	ORANGE	VA (US)
IAP	VOR/DME-A		2	KOMH	ORANGE	VA (US)
IAP	VOR/DME-A		2	KOMH	ORANGE	VA (US)
STAR	IRONS			KDCA	WASHINGTON	DC (US)
STAR	JAIKE (RNAV)		5	KCDW	CALDWELL	NJ (US)

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STAR	JAIKE (RNAV)	5	KLDJ	LINDEN	NJ (US)
STAR	JAIKE (RNAV)	5	47N	MANVILLE	NJ (US)
STAR	JAIKE (RNAV)	5	KMMU	MORRISTOWN	NJ (US)
STAR	PHLBO (RNAV)	5	KEWR	NEWARK	NJ (US)
STAR	JAIKE (RNAV)	5	KSMQ	SOMERVILLE	NJ (US)
STAR	JAIKE (RNAV)	5	KTEB	TETERBORO	NJ (US)
STAR	PAATS (RNAV)	5	KTTN	TRENTON	NJ (US)
STAR	PROUD (RNAV)	5	KLGA	NEW YORK	NY (US)
STAR	PAATS (RNAV)	5	KMQS	COATESVILLE	PA (US)
STAR	PAATS (RNAV)	5	KPHL	PHILADELPHIA	PA (US)
STAR	PAATS (RNAV)	5	KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 35

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 24-AEA-12.
2. ADDED EN ROUTE T414 IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: SWARM

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 372834.84N/0785525.24W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-AEA-12

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	LYNCHBURG	LYH	VOR/DME	L	053.28	048.28	20.01	20.01	3300	17500
2	MONTEBELLO	MOL	VOR/DME	VL	166.00	161.00	26.88	26.88	3300	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	NE	LYH	VOR/DME	053.28	233.28	L	1		3500	6000	5	6
2	NE		WP	057.30	237.30	L		5	3500	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	373342.00N/0784545.00W	1798	4E
2	200	AAO	373342.00N/0784545.00W	1798	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

LYNCHBURG (FAC 1) AND MONTEBELLO (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T414					(US)
EN ROUTE	V476	1, 2				(US)
IAP	ILS OR LOC RWY 4	1, 2	1	KLYH	LYNCHBURG	VA (US)
IAP	RNAV (GPS) RWY 22			KLYH	LYNCHBURG	VA (US)
IAP	RNAV (GPS) RWY 4		2	KLYH	LYNCHBURG	VA (US)
IAP	RNAV (GPS) RWY 28		2	W24	LYNCHBURG	VA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

- ADDED AIRSPACE DOCKET 24-AEA-12.
- MOL CLASS CHANGED FROM "L" TO "VL" IN FIX MAKE-UP FACILITIES.
- ADDED EN ROUTE T414 IN FIX USE.
- ADDED "CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TURCO

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 375414.18N/0781842.68W

TYPE: WP, DME

AIRSPACE DOCKET: 24-AEA-12

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	GORDONSVILLE	GVE	VORTAC	VH	234.96	228.96	10.00	10.00		3300	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	S		WP	196.47	016.47	R		4	3300	6000	5	6
2	SW		WP	242.77	062.77	R		4	3300	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	374736.00N/0782054.00W	745	4E
2	200	AAO	375339.00N/0782554.00W	788	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T414					(US)
EN ROUTE	V476	1				(US)
IAP	RNAV (GPS)-A		1	KGVE	GORDONSVILLE	VA (US)
IAP	RNAV (GPS) RWY 9		2	KLKU	LOUISA	VA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 24-AEA-12.
2. GVE CLASS CHANGED FROM "H" TO "VH" IN FIX MAKE-UP FACILITIES.
3. ADDED EN ROUTE T414 IN FIX USE.
4. ADDED "CONTROLLER LOW" IN REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

QUALITY
13
CHECKED