

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** APPLETON VORTAC      **STATE:** OH      **COUNTRY:** US      **ICAO REGION CODE:** K5  
**LATITUDE/LONGITUDE:** 400903.83N/0823517.88W      **TYPE:**  
**AIRSPACE DOCKET:** 23-ASO-19      **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	APPLETON	APE	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	NE	APE	VORTAC	055.00	235.00	R	1	3000 6000	4 5
2	NW	APE	VORTAC	328.00	148.00	L	1	2900 6000	4 5
3	S	APE	VORTAC	202.00	022.00	R	1	3000 6000	4 5
4	SE	APE	VORTAC	114.05	294.05	R	1	3100 6000	4 5
5	S	APE	VORTAC	194.00	014.00	R	1	3000 6000	4 5
6	NE		WP	055.00	235.00	R		3000 6000	5 6
7	NW		WP	328.00	148.00	L		3000 6000	5 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
2	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D
3	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
4	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
5	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
6	200	TOWER (39-000448)	400920.44N/0823650.45W	1568	1D
7	200	TOWER (39-000783)	401344.22N/0823935.43W	1599	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST  
 PAT 7 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

PRECIPITOUS TERRAIN EVALUTION COMPLETE.  
 ASSIGNED FACILITY MAGVAR: W6 1990.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	CAVVS (RNAV)			KBKL	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			KCGF	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			KCLE	CLEVELAND	OH (US)
DP	DAYTON			KDAY	DAYTON	OH (US)
DP	CAVVS (RNAV)			KLPR	LORAIN/ELYRIA	OH (US)
DP	CAVVS (RNAV)			KLNN	WILLOUGHBY	OH (US)
EN ROUTE	J178					(US)
EN ROUTE	J30					(US)
EN ROUTE	J83					(US)
EN ROUTE	T323					(US)
EN ROUTE	V144					(US)
EN ROUTE	V38					(US)
IAP	ILS OR LOC RWY 10L		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 10R (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28L (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28R		1	KCMH	COLUMBUS	OH (US)
IAP	ILS RWY 10R (SA CAT I & II) (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	ILS RWY 28L (SA CAT I & II) (ALT MISS)		1	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 10L		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 28R		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 10L		6	KCMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 28R		6	KCMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5L			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (CAT II)			KLCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (SA CAT I)			KLCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 9R (ALT MISS)		1	KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 27L			KOSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 9R			KOSU	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 9R			KOSU	COLUMBUS	OH (US)
IAP	VOR RWY 28		4	KDLZ	DELAWARE	OH (US)

IAP	RNAV (GPS) RWY 28		KLHQ	LANCASTER	OH (US)
IAP	VOR-A	5	KLHQ	LANCASTER	OH (US)
IAP	VOR-A		419	MOUNT GILEAD	OH (US)
IAP	RNAV (GPS) RWY 10		413	MOUNT VERNON	OH (US)
IAP	RNAV (GPS) RWY 28		413	MOUNT VERNON	OH (US)
IAP	VOR-A	3	413	MOUNT VERNON	OH (US)
IAP	VOR/DME RWY 26		I86	NEW LEXINGTON	OH (US)
IAP	LOC RWY 9	2	KVTA	NEWARK	OH (US)
IAP	RNAV (GPS) RWY 27	7	KVTA	NEWARK	OH (US)
IAP	VOR-A	2	KVTA	NEWARK	OH (US)
IAP	ILS OR LOC RWY 22R		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II & III)		KILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (SA CAT I)		KILN	WILMINGTON	OH (US)
STAR	CINCE		KCVG	COVINGTON	KY (US)
STAR	TIGRR (RNAV)		KCVG	COVINGTON	KY (US)
STAR	CINCE		K62	FALMOUTH	KY (US)
STAR	CINCE		I69	BATAVIA	OH (US)
STAR	CINCE		KLUK	CINCINNATI	OH (US)
STAR	DANEI		KDAY	DAYTON	OH (US)
STAR	DANEI		KFFO	DAYTON	OH (US)
STAR	DANEI		KMGY	DAYTON	OH (US)
STAR	CINCE		KHAO	HAMILTON	OH (US)
STAR	DANEI		KMWO	MIDDLETOWN	OH (US)
STAR	DANEI		KSGH	SPRINGFIELD	OH (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:** 35

**DATE OF REVISION:** 05/16/2024

**REASON FOR REVISION:**

CHANGED AIRSPACE DOCKET NO. FROM "23-ASO-8" TO "23-ASO-19".  
 REMOVED STAR HEDEE FOR K62, I69, KLUK AND KHAO AIRPORTS FROM FIX USE.  
 REMOVED STAR REDSTONE FOR KJVY, KLOW AND KSDF AIRPORTS FROM FIX USE.  
 ADDED EN ROUTE T323 TO FIX USE.  
 REMOVED EN ROUTE V5 AND V19 FROM FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** SILVIA YOUNG

**APPROVED BY:**

**DATE:** 05/16/2024

**OFFICE:** AJV-A432

**NAME:** CASIMIR TABAKA

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: LEXINGTON VOR/DME

STATE: KY

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 375758.86N/0842821.06W

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	LEXINGTON	HYK	VOR/DME	VL						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	SE	HYK	VOR/DME	124.00	304.00	R	1	3100 6000	4 5
2	S	HYK	VOR/DME	185.81	005.81	R	1	3000 6000	4 5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (21-002125)	375250.86N/0841915.94W	2049	5D
1	310	TOWER (21-002125)	375250.86N/0841915.94W	2049	5D
2	200	TOWER (21-000128)	380207.00N/0842702.00W	1585	4D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 4	KLEX	LEXINGTON	KY (US)
1	ILS OR LOC RWY 22	KLEX	LEXINGTON	KY (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
FACILITY MAGVAR: 0E/1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BLUEGRASS			KCVG	COVINGTON	KY (US)
DP	CINCINNATI			KCVG	COVINGTON	KY (US)
DP	CHATTANOOGA			KCHA	CHATTANOOGA	TN (US)
DP	NASHVILLE			KBNA	NASHVILLE	TN (US)
EN ROUTE	T215					(US)
EN ROUTE	T217					(US)
EN ROUTE	V171					(US)
EN ROUTE	V178					(US)
EN ROUTE	V333					(US)
EN ROUTE	V4					(US)
EN ROUTE	V493					(US)
EN ROUTE	V512					(US)
EN ROUTE	V53					(US)
EN ROUTE	V57					(US)
EN ROUTE	V97					(US)
IAP	LOC RWY 25		1	KFFT	FRANKFORT	KY (US)
IAP	VOR RWY 25		1	KFFT	FRANKFORT	KY (US)
IAP	ILS OR LOC RWY 22	1	1	KLEX	LEXINGTON	KY (US)
IAP	ILS OR LOC RWY 4		1	KLEX	LEXINGTON	KY (US)
IAP	VOR-A		1	KLEX	LEXINGTON	KY (US)
IAP	VOR RWY 18			KRGA	RICHMOND	KY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 33

DATE OF REVISION: 05/16/2024

## REASON FOR REVISION:

1. FIX USE: REMOVED IAP VOR RWY 3 AT 27K.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: STEVEN WASHKO

APPROVED BY:

DATE: 05/16/2024

OFFICE: AVJ-A433

NAME: ROBERT HAMILTON

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: ROHDE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 390420.65N/0823938.98W

TYPE: WP

AIRSPACE DOCKET: 23-ASO-8

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
EN ROUTE

USE TITLE  
T323

FAC

PAT

AIRPORT IDENT

CITY

STATE  
(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

1. TYPE: REMOVED "DME"; ADDED "WP"
2. DOCKET: ADDED "23-ASO-8"
3. FIX MAKE-UP: REMOVED FAC 1 "YORK YRK VORTAC" - NO CONVENTIONAL FIX USE
4. FIX USE: REMOVED "EN ROUTE"; ADDED "EN ROUTE T315", "EN ROUTE T323"
5. CHARTING: UPDATED "CONTROLLER" TO "CONTROLLER LOW"

03/12/24 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/22/23.

1. FIX USE: DELETED T315.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: LEE STUCKEY

APPROVED BY:

DATE: 07/11/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: TARTO

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 393205.07N/0823748.05W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-ASO-8

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	APPLETON	APE	VORTAC	H	189.00	183.00	37.00	37.00		3000	17500
2	YELLOW BUD	XUB	VOR	T	093.22	088.22		16.16		3000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
XUB	VOR	R-093	17	12600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

APPLETON (FAC 1) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T323					(US)
IAP	VOR RWY 23			KRZT	CHILLICOTHE	OH (US)
IAP	VOR RWY 19			KCYO	CIRCLEVILLE	OH (US)
IAP	ILS OR LOC RWY 5L			KLCK	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 5L			KLCK	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 5R			KLCK	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 25			KEOP	WAVERLY	OH (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-ASO-8.

EXPANDED SERVICE VOLUME (ESV): CHANGED MIN ALTITUDE FROM 3000 TO 12600 AND MAX ALTITUDE FROM 18000 TO 17500.

FIX USE: ADDED T323.

REQUIRED CHARTING: ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GREGORY LINDSEY

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: MICHAEL GARRITY

SIGNATURE: