

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: 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		4 3000 6000	5 6
7	NW		WP	328.00	148.00	L		4 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			CVG	COVINGTON	KY (US)
DP	CAVVS (RNAV)			CGF	CLEVELAND	OH (US)
DP	CAVVS (RNAV)			CLE	CLEVELAND	OH (US)
DP	DAYTON			DAY	DAYTON	OH (US)
DP	CAVVS (RNAV)			LPR	LORAIN/ELYRIA	OH (US)
DP	CAVVS (RNAV)			LNN	WILLOUGHBY	OH (US)
EN ROUTE	J178					(US)
EN ROUTE	J30					(US)
EN ROUTE	J83					(US)
EN ROUTE	Q149					(US)
EN ROUTE	T323					(US)
EN ROUTE	V144					(US)
EN ROUTE	V19					(US)
IAP	ILS OR LOC RWY 10L		1	CMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 10R		1	CMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28L		1	CMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 28R		1	CMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 10L		6	CMH	COLUMBUS	OH (US)
IAP	RNAV (GPS) Y RWY 28R		6	CMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 10L		6	CMH	COLUMBUS	OH (US)
IAP	RNAV (RNP) Z RWY 28R		6	CMH	COLUMBUS	OH (US)
IAP	ILS RWY 10R (SA CAT I & II)		1	CMH	COLUMBUS	OH (US)
IAP	ILS RWY 28L (SA CAT I & II)		1	CMH	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5L			LCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 5R			LCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (CAT II)			LCK	COLUMBUS	OH (US)
IAP	ILS RWY 5R (SA CAT I)			LCK	COLUMBUS	OH (US)
IAP	ILS OR LOC RWY 9R		1	OSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 27L			OSU	COLUMBUS	OH (US)
IAP	RNAV (GPS) RWY 9R			OSU	COLUMBUS	OH (US)
IAP	VOR RWY 28		4	DLZ	DELAWARE	OH (US)
IAP	RNAV (GPS) RWY 28			LHQ	LANCASTER	OH (US)
IAP	VOR-A		5	LHQ	LANCASTER	OH (US)
IAP	VOR-A			4I9	MOUNT GILEAD	OH (US)

QUALITY
23
CHECKED

IAP	RNAV (GPS) RWY 10			MOUNT VERNON	OH (US)
IAP	RNAV (GPS) RWY 28			MOUNT VERNON	OH (US)
IAP	VOR -A	3	413	MOUNT VERNON	OH (US)
IAP	VOR/DME RWY 26		186	NEW LEXINGTON	OH (US)
IAP	LOC RWY 9	2	VTA	NEWARK	OH (US)
IAP	RNAV (GPS) RWY 27	7	VTA	NEWARK	OH (US)
IAP	VOR-A	2	VTA	NEWARK	OH (US)
IAP	ILS OR LOC RWY 22R		ILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (CAT II & III)		ILN	WILMINGTON	OH (US)
IAP	ILS RWY 22R (SA CAT I)		ILN	WILMINGTON	OH (US)
STAR	DANEI		DAY	DAYTON	OH (US)
STAR	DANEI		FFO	DAYTON	OH (US)
STAR	DANEI		MGY	DAYTON	OH (US)
STAR	DANEI		MWO	MIDDLETOWN	OH (US)
STAR	DANEI		SGH	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: 40

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED CAVVS DP FROM BKL AIRPORT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JACOB CLARK

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A432

NAME: APRIL SARMENTO

SIGNATURE: *Digitally signed by*

APRIL T SARMENTO

Jun 23, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: BIIGZ

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411157.81N/0814739.45W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)

FAC

PAT

AIRPORT IDENT

CGF
CLE
LPR
LNN

CITY

CLEVELAND
CLEVELAND
LORAIN/ELYRIA
WILLOUGHBY

STATE

OH (US)
OH (US)
OH (US)
OH (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED BKL CAVVS (RNAV).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JACOB CLARK

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A432

NAME: APRIL SARMENTO

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Jun 23, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: CAHRR

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412008.43N/0813712.43W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)

FAC

PAT

AIRPORT IDENT

CGF
CLE
LPR
LNN

CITY

CLEVELAND
CLEVELAND
LORAIN/ELYRIA
WILLOUGHBY

STATE

OH (US)
OH (US)
OH (US)
OH (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

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OFFICE: AJV-A432

NAME: APRIL SARMENTO

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APRIL T SARMENTO

Jun 23, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: CAVVS

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 403738.64N/0821755.19W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)

FAC

PAT

AIRPORT IDENT

CGF
CLE
LPR
LNN

CITY

CLEVELAND
CLEVELAND
LORAIN/ELYRIA
WILLOUGHBY

STATE

OH (US)
OH (US)
OH (US)
OH (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: REMOVED BKL CAVVS (RNAV).

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JACOB CLARK

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A432

NAME: APRIL SARMENTO

SIGNATURE: *Digitally signed by*

APRIL T SARMENTO

Jun 23, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: KYRIE

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 411130.78N/0815816.93W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)

FAC

PAT

AIRPORT IDENT

CGF
CLE
LPR
LNN

CITY

CLEVELAND
CLEVELAND
LORAIN/ELYRIA
WILLOUGHBY

STATE

OH (US)
OH (US)
OH (US)
OH (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

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ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JACOB CLARK

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DATE: 09/24/2026

OFFICE: AJV-A432

NAME: APRIL SARMENTO

SIGNATURE: *Digitally signed by*

APRIL T SARMENTO

Jun 23, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: LBRON

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 405724.62N/0820545.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)

FAC

PAT

AIRPORT IDENT

CGF
CLE
LPR
LNN

CITY

CLEVELAND
CLEVELAND
LORAIN/ELYRIA
WILLOUGHBY

STATE

OH (US)
OH (US)
OH (US)
OH (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

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QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NANTZ

STATE: OH

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 412521.14N/0814406.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)
CAVVS (RNAV)

FAC

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AIRPORT IDENT

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CLEVELAND
CLEVELAND
LORAIN/ELYRIA
WILLOUGHBY

STATE

OH (US)
OH (US)
OH (US)
OH (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

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OFFICE: AJV-A432

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Jun 23, 2026

