

RADIO FIX AND HOLDING DATA RECORD

NAME: EZIMO

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 402448.58N/0762442.90W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/05/1999

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by

APRIL T SARMENTO

DISTRIBUTION:

NFDC

FPO:

ARTCC: ZOB

ATC FACILITY:

OTHER:

Jul 21, 2026

QUALITY
23
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KUPPS

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 401714.32N/0762707.01W

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	MRA	MAA
1	HARRISBURG	HAR	VORTAC	L	101.61	091.61	28.37	28.37	3000	17500
2	LANCASTER	LRP	VOR/DME	L	332.69	323.69	12.46	12.46	3000	17500
3	EAST TEXAS	ETX	VOR/DME	L	252.66	243.66	39.34	39.34	3000	17500
4	RAVINE	RAV	VORTAC	L	168.00	157.00	17.33	17.33	3000	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	NW	LRP	VOR/DME	332.70	152.70	L	1		3000	6000	5	6
2	N	RAV	VORTAC	168.00	168.00	L	1		3000	6000	5	6
3	N		WP	348.00	168.00	L		4	3000	6000	5	6
4	E	ETX	VOR/DME	072.66	252.66	R	1		3000	6000	6	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (42-000143)	401545.08N/0762750.32W	1943	4D
2	200	TOWER (42-000143)	401545.08N/0762750.32W	1943	4D
3	200	TOWER (42-000143)	401545.08N/0762750.32W	1943	4D
4	200	TOWER (42-000143)	401545.08N/0762750.32W	1943	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

LANCASTER (FAC 2) AND EAST TEXAS (FAC 3) AND RAVINE (FAC 4) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
05/23/23: DO NOT CHANGE FIX MAKEUP FOR FAC 1 HAR. HAR IS PART OF VOR MON RETENTION.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V12	1, 2, 4				PA (US)
IAP	RNAV (GPS) RWY 26			CXY	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 13	2, 3, 4	4	MDT	HARRISBURG	PA (US)
IAP	ILS RWY 13 (CAT II AND III)	2, 3, 4	4	MDT	HARRISBURG	PA (US)
IAP	ILS RWY 13 (SA CAT I)	2, 3, 4	4	MDT	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 8	2, 3, 4	1, 2	LNS	LANCASTER	PA (US)
IAP	RNAV (GPS) RWY 31		3	LNS	LANCASTER	PA (US)
IAP	RNAV (GPS) RWY 8		3	LNS	LANCASTER	PA (US)
IAP	VOR RWY 31	2, 3, 4	2	LNS	LANCASTER	PA (US)
IAP	VOR RWY 8	2, 3	1	LNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 26	2, 3	1	LNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 31	2, 3	1	LNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 8	2, 3	1	LNS	LANCASTER	PA (US)
IAP	RNAV (GPS)-A		3	58N	PALMYRA	PA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

- FIX USE: 9D4 IAP VOR/DME OR GPS A DELETED

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOHN BRUNO

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE: Digitally signed by

APRIL T SARMENTO



RADIO FIX AND HOLDING DATA RECORD

NAME: MAFHU

STATE: PA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 402115.91N/0761959.17W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION:

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/05/1999

INITIATED BY:

DATE:

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APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

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APRIL T SARMENTO

DISTRIBUTION:

NFDC

FPO:

ARTCC: ZNY

ATC FACILITY:

OTHER:

Jul 21, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: RAVINE VORTAC STATE: PA COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 403312.21N/0763557.77W 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	RAVINE	RAV	VORTAC	L						17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

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	W	RAV	VORTAC	290.00	110.00	L	1		4000 8000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	403600.00N/0763457.00W	2038	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 REMAIN CLEAR OF R-5802

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
MAGNETIC VARIATION: 11W/1995

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MUIR (COPTER)			MUI	FORT INDIANTOWN GAP(ANNVILLE)	PA (US)
EN ROUTE	J64					(US)
EN ROUTE	Q62					(US)
EN ROUTE	T356					(US)
EN ROUTE	T438					(US)
EN ROUTE	V170					(US)
EN ROUTE	V276					(US)
IAP	ILS OR LOC RWY 8			CXY	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 13			MDT	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 31			MDT	HARRISBURG	PA (US)
IAP	ILS RWY 13 (CAT II-III)			MDT	HARRISBURG	PA (US)
IAP	VOR RWY 31			MDT	HARRISBURG	PA (US)
IAP	ILS OR LOC RWY 8			LNS	LANCASTER	PA (US)
IAP	VOR RWY 31			LNS	LANCASTER	PA (US)
IAP	VOR/DME RWY 26			LNS	LANCASTER	PA (US)
IAP	VOR RWY 28			N71	MOUNT JOY/MARIETTA	PA (US)
IAP	RNAV (GPS) RWY 19			9D4	MYERSTOWN	PA (US)
IAP	VOR-A		1	ZER	POTTSVILLE	PA (US)
IAP	ILS OR LOC RWY 13			RDG	READING	PA (US)
IAP	ILS OR LOC RWY 36			RDG	READING	PA (US)
IAP	RNAV (GPS) RWY 18			RDG	READING	PA (US)
IAP	LOC RWY 6			RVL	REEDSVILLE	PA (US)
IAP	RNAV (GPS)-A			74N	TOWER CITY	PA (US)
STAR	DELRO			IAD	WASHINGTON	DC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20 DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

- FIX USE: 9D4 IAP VOR/DME OR GPS-A DELETED
- HOLDING PATTERN ASSOCIATION 2,RAV,VORTAC,10/29/2026 DELETED
- HOLDING PATTERN ASSOCIATION 2,VORTAC,10/29/2026 DELETED

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A432	NAME: JOHN BRUNO
APPROVED BY:	DATE: 09/24/2026	OFFICE: AJV-A432	NAME: CASIMIR TABAKA



SIGNATURE: *Digitally signed by*
APRIL T SARMENTO
 Jul 21, 2026

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