

# RADIO FIX AND HOLDING DATA RECORD

NAME: AVALO

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 391654.52N/0743050.75W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 24-AEA-4

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	SMYRNA	ENO	VORTAC	L	095.00	086.00	46.79	46.79	2000	17500
2	ATLANTIC CITY	ACY	VORTAC	L	174.47	164.47		10.83	1500	17500
3	SEA ISLE	SIE	VORTAC	VH	059.00	050.00	17.41	17.41	4500	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENO	VORTAC	R-095	47	2000	17500

## 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	W	ENO	VORTAC	095.00	095.00	L	1		2000	6000	5	7
2	NE	SIE	VORTAC	059.00	239.00	R	1		4500	6000	6	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (34-000555)	391724.00N/0743801.00W	486	5D
2	200	BUILDING (34-023874)	392147.44N/0742455.12W	732	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST REMAIN CLEAR W-107

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

ATLANTIC CITY (FAC 2) AND SEA ISLE (FAC 3) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
HOLDING PAT 1 AND PAT 2 PER ATC REQUEST.  
CHART ON SECTIONAL PER ATC REQUEST.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T287					(US)
EN ROUTE	T320					(US)
EN ROUTE	T358					(US)
EN ROUTE	V139	2, 3				(US)
EN ROUTE	V268	1, 2, 3				(US)
IAP	VOR RWY 31			KACY	ATLANTIC CITY	NJ (US)

REQUIRED CHARTING: SECTIONAL, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED DOCKET NUMBER FROM 22-AEA-21 TO 24-AEA-4.  
FIX USE: REMOVED EN ROUTE Q439.  
CHARTING: REMOVED EN ROUTE HIGH AND CONTROLLER HIGH.  
FIX MAKE-UP FACILITIES: CHANGED MAA FAC 1 FROM 41000 TO 17500, FAC 2 AND 3 FROM 45000 TO 17500.  
EXPANDED SERVICE VOLUME (ESV): REMOVED ACY AND CHANGED ENO MAX ALTITUDE FROM 41000 TO 17500.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RICHARD CAMPBELL

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Jan 27, 2025

QUALITY  
32  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HOWYU

STATE: DE

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382839.48N/0751401.16W

TYPE: WP

AIRSPACE DOCKET: 24-AEA-4

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

CONTROLLER LOW PER ATC REQUEST.

**FIX USE:**

USE TYPE  
EN ROUTE

USE TITLE  
Q108

FAC

PAT

AIRPORT IDENT

CITY

STATE  
(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/12/2025

**REASON FOR REVISION:**

FIX USE: REMOVED EN ROUTE - Q439

AIRSPACE DOCKET: ADDED DOCKET NUMBER 24-AEA-4.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: RICHARD CAMPBELL

APPROVED BY:

DATE: 05/08/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Jan 27, 2025

QUALITY  
32  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: WNSTN

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390543.81N/0744801.20W

TYPE: WP

AIRSPACE DOCKET: 24-AEA-4

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 TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	218.66	038.66	R		10	8000	17000	15	15

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (34-000067)	385658.47N/0745201.04W	630	1D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

CHART ON SECTIONAL - ATC REQUEST  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
HOLDING PATTERN NOAA DYNAMIC MAGVAR 12W; TRUE INBOUND COURSE IS 026.66.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WNSTN (RNAV)			KDOV	DOVER	DE (US)
EN ROUTE	T287					(US)
EN ROUTE	T307					(US)
EN ROUTE	T320					(US)
STAR	JIIIMS (RNAV)		1	KILG	WILMINGTON	DE (US)
STAR	WAALK (RNAV)			KBLM	BELMAR/FARMINGDALE	NJ (US)
STAR	WAALK (RNAV)			KNEL	LAKEHURST	NJ (US)
STAR	WAALK (RNAV)			N14	LUMBERTON	NJ (US)
STAR	WAALK (RNAV)			KVAY	MOUNT HOLLY	NJ (US)
STAR	WAALK (RNAV)			N87	ROBBINSVILLE	NJ (US)
STAR	WAALK (RNAV)			KMJX	TOMS RIVER	NJ (US)
STAR	JIIIMS (RNAV)		1	KTTN	TRENTON	NJ (US)
STAR	WAALK (RNAV)			KWRI	WRIGHTSTOWN	NJ (US)
STAR	JIIIMS (RNAV)		1	KMQS	COATESVILLE	PA (US)
STAR	JIIIMS (RNAV)		1	KPHL	PHILADELPHIA	PA (US)
STAR	JIIIMS (RNAV)		1	KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 06/12/2025

## REASON FOR REVISION:

FIX USE: REMOVED EN ROUTE - Q439  
AIRSPACE DOCKET: CHANGED DOCKET NUMBER FROM 22-AEA-21 TO 24-AEA-4.

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