

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: 21-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	MRA	MAA
1	SMYRNA	ENO	VORTAC	L	095.00	086.00	46.79	46.79	2000	17500
2	SEA ISLE	SIE	VORTAC	H	059.00	050.00	17.41	17.41	4500	45000
3	ATLANTIC CITY	ACY	VORTAC	L	174.47	164.47		10.83	1500	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ENO	VORTAC	R-095	47	2000	17500
ACY	VORTAC	R-174	11	18000	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	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:

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	Q445					(US)
EN ROUTE	T358					(US)
EN ROUTE	V139	2, 3				(US)
EN ROUTE	V268	1, 2, 3				(US)
EN ROUTE	V308	2, 3				(US)
IAP	VOR RWY 31	2, 3		KACY	ATLANTIC CITY	NJ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 04/20/2023

REASON FOR REVISION:

1. AIRSPACE DOCKET: CHANGED FROM 21-ASO-11 TO 21-AEA-12.
 2. FIX USE: REMOVED EN ROUTE J55 AND J121.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: DEAN GRACEY
APPROVED BY:	DATE: 04/20/2023	OFFICE: AJV-A420	NAME: MARLON ROBINSON
SIGNATURE:			

RADIO FIX AND HOLDING DATA RECORD

NAME: BRIGS

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 393124.72N/0740819.67W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 22-ASO-9

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	SEA ISLE	SIE	VORTAC	H	059.00	050.00	40.09	40.09		6000	45000
2	CEDAR LAKE	VCN	VOR/DME	L	101.00	091.00	38.46	38.46		1700	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SIE	VORTAC	R-059	41	6000	14600
VCN	VOR/DME	R-101	39	18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SEA ISLE (FAC 1) 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	Q439					(US)
EN ROUTE	Q445					(US)
EN ROUTE	Q97					(US)
EN ROUTE	T320					(US)
EN ROUTE	V139	1, 2				(US)
EN ROUTE	V268	1, 2				(US)
EN ROUTE	V308	1, 2				(US)
EN ROUTE	V577	1, 2				(US)
STAR	CEDAR LAKE	1, 2		KILG	WILMINGTON	DE (US)
STAR	JIIMS (RNAV)			KILG	WILMINGTON	DE (US)
STAR	CEDAR LAKE	1, 2		KTTN	TRENTON	NJ (US)
STAR	JIIMS (RNAV)			KTTN	TRENTON	NJ (US)
STAR	CEDAR LAKE	1, 2		KMQS	COATESVILLE	PA (US)
STAR	JIIMS (RNAV)			KMQS	COATESVILLE	PA (US)
STAR	CEDAR LAKE	1, 2		KPHL	PHILADELPHIA	PA (US)
STAR	JIIMS (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	CEDAR LAKE	1, 2		KPNE	PHILADELPHIA	PA (US)
STAR	JIIMS (RNAV)			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

1. AIRSPACE DOCKET: CHANGED FROM 21-AEA-21 TO 22-ASO-9.
2. FIX USE: REMOVED EN ROUTE J121 AND J55.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: DEAN GRACEY

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CHARLESTON VORTAC **STATE:** SC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 325339.55N/0800216.13W **TYPE:**

AIRSPACE DOCKET: 22-ASO-9 **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	CHARLESTON	CHS	VORTAC	H						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	W	CHS	VORTAC	274.00	094.00	R	1	3000 14000	4 10
2	N	CHS	VORTAC	357.00	177.00	R	1	3000 37000	4 26

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	STACK (45-000456)	325355.00N/0795759.00W	422	3C
2	200	TOWER (45-000533)	330025.00N/0800515.00W	396	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	JACKSONVILLE			KJAX	JACKSONVILLE	FL (US)
DP	PACKK			KRDU	RALEIGH/DURHAM	NC (US)
EN ROUTE	V1					(US)
EN ROUTE	V18					(US)
EN ROUTE	V311					(US)
EN ROUTE	V417					(US)
EN ROUTE	V437					(US)
EN ROUTE	V53					(US)
IAP	ILS OR LOC RWY 1			KSAV	SAVANNAH	GA (US)
IAP	ILS OR LOC RWY 10			KSAV	SAVANNAH	GA (US)
IAP	ILS RWY 10 (SA CAT I-II)			KSAV	SAVANNAH	GA (US)
IAP	VOR/DME OR TACAN RWY 1			KSAV	SAVANNAH	GA (US)
IAP	VOR/DME-A			KSAV	SAVANNAH	GA (US)
IAP	HI-VOR/DME OR TACAN RWY 15			KCHS	CHARLESTON	SC (US)
IAP	ILS OR LOC RWY 15			KCHS	CHARLESTON	SC (US)
IAP	ILS OR LOC/DME RWY 33			KCHS	CHARLESTON	SC (US)
IAP	ILS RWY 15 (CAT II)			KCHS	CHARLESTON	SC (US)
IAP	ILS RWY 15 (SA CAT I)			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 15			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 21			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 3			KCHS	CHARLESTON	SC (US)
IAP	RNAV (GPS) Y RWY 33			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 15			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 21			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 3			KCHS	CHARLESTON	SC (US)
IAP	VOR/DME OR TACAN RWY 33			KCHS	CHARLESTON	SC (US)
IAP	ILS OR LOC RWY 9			KJZI	CHARLESTON	SC (US)
IAP	RNAV (GPS) RWY 27			KJZI	CHARLESTON	SC (US)
IAP	RNAV (GPS) RWY 9			KJZI	CHARLESTON	SC (US)
IAP	LOC RWY 21			KHXD	HILTON HEAD ISLAND	SC (US)
IAP	RNAV (GPS) RWY 5			KMKS	MONCK'S CORNER	SC (US)
IAP	VOR/DME-A			KMKS	MONCK'S CORNER	SC (US)
IAP	VOR/DME-A		1	KLRO	MOUNT PLEASANT	SC (US)
IAP	NDB RWY 6			KDYB	SUMMERVILLE	SC (US)
IAP	ILS Y OR LOC Y RWY 23			KRBW	WALTERBORO	SC (US)
IAP	RNAV (GPS) RWY 35			KRBW	WALTERBORO	SC (US)
STAR	STUGE			KAGS	AUGUSTA	GA (US)
STAR	STOCR (RNAV)			KCLT	CHARLOTTE	NC (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: 20 **DATE OF REVISION:** 04/20/2023

REASON FOR REVISION:

ADDED AIRSPACE DOCKET NUMBER 22-ASO-9.
FIX USE: REMOVED EN ROUTE J79 (US).

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

NAME: MICHAEL HARRIS**APPROVED BY:****DATE:** 04/20/2023**OFFICE:** AJV-A420**NAME:** MARLON ROBINSON**SIGNATURE:**

RADIO FIX AND HOLDING DATA RECORD

NAME: SEA ISLE VORTAC STATE: NJ COUNTRY: US ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 390543.83N/0744801.24W TYPE:

AIRSPACE DOCKET: 22-ASO-9 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	SEA ISLE	SIE	VORTAC	H							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	NE	SIE	VORTAC	055.66	235.66	R	1		1800	7000	4	8
2	SW		WP	231.51	051.51	R		4	2000	7000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (34-000142)	390747.79N/0744716.08W	481	4D
2	200	TOWER (34-000067)	385658.47N/0745201.04W	630	1D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
FACILITY MAGVAR: 1965/9W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SEA ISLE			KDOV	DOVER	DE (US)
DP	PALEO			KBWI	BALTIMORE	MD (US)
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	POINT PLEASANT			KWRI	WRIGHTSTOWN	NJ (US)
EN ROUTE	B24					(US)
EN ROUTE	V139					(US)
EN ROUTE	V166					(US)
EN ROUTE	V284					(US)
EN ROUTE	V308					(US)
EN ROUTE	V44					(US)
IAP	RNAV (GPS) Y RWY 31			KACY	ATLANTIC CITY	NJ (US)
IAP	RNAV (RNP) Z RWY 31			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR RWY 31			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR RWY 4			KACY	ATLANTIC CITY	NJ (US)
IAP	VOR/DME RWY 22			KACY	ATLANTIC CITY	NJ (US)
IAP	RNAV (GPS) RWY 28			KMIV	MILLVILLE	NJ (US)
IAP	RNAV (GPS) RWY 32			KMIV	MILLVILLE	NJ (US)
IAP	GPS RWY 6		2	26N	OCEAN CITY	NJ (US)
IAP	LOC RWY 19		1	KWWD	WILDWOOD	NJ (US)
IAP	RNAV (GPS) RWY 10		2	KWWD	WILDWOOD	NJ (US)
IAP	VOR-A		1	KWWD	WILDWOOD	NJ (US)
STAR	CEDAR LAKE			KILG	WILMINGTON	DE (US)
STAR	CEDAR LAKE			KTTN	TRENTON	NJ (US)
STAR	CAMRN			KFRG	FARMINGDALE	NY (US)
STAR	CAMRN			KJFK	NEW YORK	NY (US)
STAR	KORRY			KLGA	NEW YORK	NY (US)
STAR	BOUNO			KHPN	WHITE PLAINS	NY (US)
STAR	CEDAR LAKE			KMQS	COATESVILLE	PA (US)
STAR	CEDAR LAKE			KPHL	PHILADELPHIA	PA (US)
STAR	CEDAR LAKE			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21 DATE OF REVISION: 04/20/2023

REASON FOR REVISION:

- AIRSPACE DOCKET: ADDED 22-ASO-9.
- FIX USE: REMOVED EN ROUTE J121 AND J55.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A423 NAME: DEAN GRACEY

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: