

# RADIO FIX AND HOLDING DATA RECORD

NAME: ANKLE

STATE: NJ

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 410750.27N/0743442.48W

TYPE: INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SPARTA	SAX	VORTAC	H	345.32	334.32	4.20		1720	17500
2	STILLWATER	STW	VOR/DME	L	069.40	058.40			1720	17500

HOLDING:

HOLDING TYPE OF ACTION:

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP				KFWN	SUSSEX	NJ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/15/2009

## REASON FOR REVISION:

CHANGED LAT/LONG FROM 410738.85N/0743437.18W TO 410750.27N/0743442.48W.  
MOVED FIX 1224.92 FEET.  
UPDATED FAC 1 RADIAL FROM 345.00 (334.00) TO 345.32 (334.32) AND DME DISTANCE FROM 4.00 TO 4.20 AND MRA/MAA FROM 20/60 TO 17.2/175.  
UPDATED FAC 2 FROM RAD 070.00 (059.00) TO 069.40 (058.40) AND MRA/MAA FROM 20/60 TO 17.2/175.  
CHANGED DISTANCE FROM FACILITY FROM 16 TO 15.  
CHANGED LEAST DIVERGENCE ANGLE FROM 85 TO 84.  
LOWERED AIR/GROUND COMMUNICATIONS MINIMUM ALTITUDE FROM 2000 TO 1820.  
UPDATED AUTHORIZED USE.  
UPDATED DISTRIBUTION LIST.  
UPDATED SIAP USE.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 07/01/2008	OFFICE: AVN-110	NAME: PETER GETZ (JOHN HAZELTON)
APPROVED BY:	DATE:	OFFICE:	NAME:
	SIGNATURE:	<i>Digitally signed by</i> <b>DAVID DANNER</b>	
DISTRIBUTION:	NFDC FPO: EST ARTCC: ZNY ATC FACILITY: NYC APP CON OTHER:	Jul 19, 2024	

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SPARTA VORTAC      STATE: NJ      COUNTRY: US      ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 410403.15N/0743217.91W      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	SPARTA	SAX	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	SE	SAX	VORTAC	119.00	299.00	R	1		3000	17500	4	16
2	SE	SAX	VORTAC	155.00	335.00	R	1		3000	14000	4	10
3	W	SAX	VORTAC	285.00	105.00	R	1 1/2		18000	41000	16	28
4	W	SAX	VORTAC	259.00	079.00	L	1		3000	8000	4	8
5	W		WP	259.00	079.00	L		4	3000	8000	5	9

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410842.00N/0743115.00W	1647	4E
2	200	AAO	410842.00N/0743115.00W	1647	4E
4	200	AAO	410842.00N/0743115.00W	1647	4E
5	200	AAO	410854.00N/0743051.00W	1683	4E

## REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST.  
 PAT 5 ATC REQUEST.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

ASSIGNED FACILITY MAG VAR: 11W/1975.  
 HOLDING PAT 1 AND PAT 3 FOR ATC USE.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BRIDGEHAVEN			KBDR	BRIDGEPORT	CT (US)
DP	BRIDGEHAVEN			KHVN	NEW HAVEN	CT (US)
DP	MORRISTOWN			KMMU	MORRISTOWN	NJ (US)
DP	DEVIL			KEWR	NEWARK	NJ (US)
DP	LIBERTY			KEWR	NEWARK	NJ (US)
DP	NEWARK			KEWR	NEWARK	NJ (US)
DP	TAKEOFF MINIMUMS			KFWN	SUSSEX	NJ (US)
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	WENTZ (RNAV)			KTEB	TETERBORO	NJ (US)
DP	ALBANY			KALB	ALBANY	NY (US)
DP	REPUBLIC			KFRG	FARMINGDALE	NY (US)
DP	LONG ISLAND			KISP	NEW YORK	NY (US)
DP	KENNEDY			KJFK	NEW YORK	NY (US)
DP	SKORR (RNAV)			KJFK	NEW YORK	NY (US)
DP	GLDMN (RNAV)			KLGA	NEW YORK	NY (US)
DP	LAGUARDIA			KLGA	NEW YORK	NY (US)
DP	TNNIS (RNAV)			KLGA	NEW YORK	NY (US)
DP	PROP			KHPN	WHITE PLAINS	NY (US)
DP	WESTCHESTER			KHPN	WHITE PLAINS	NY (US)
EN ROUTE	J6					(US)
EN ROUTE	J60					(US)
EN ROUTE	T218					(US)
EN ROUTE	V116					(US)
EN ROUTE	V188					(US)
EN ROUTE	V213					(US)
EN ROUTE	V249					(US)
EN ROUTE	V39					(US)
EN ROUTE	V623					(US)
IAP	RNAV (GPS) RWY 3			12N	ANDOVER	NJ (US)
IAP	RNAV (GPS) RWY 25			1N7	BLAIRSTOWN	NJ (US)
IAP	LOC RWY 22			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 10			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 4			KCDW	CALDWELL	NJ (US)
IAP	RNAV (GPS) RWY 1		5	N07	LINCOLN PARK	NJ (US)
IAP	RNAV (GPS) RWY 19			N07	LINCOLN PARK	NJ (US)
IAP	ILS OR LOC RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) RWY 3		5	KFWN	SUSSEX	NJ (US)
IAP	ILS OR LOC RWY 19			KTEB	TETERBORO	NJ (US)

QUALITY  
13  
CHECKED

IAP	RNAV (GPS) RWY 8	06N	MIDDLETOWN	NY (US)
IAP	ILS OR LOC RWY 4	KMGJ	MONTGOMERY	NY (US)
IAP	RNAV (GPS) RWY 4	KMGJ	MONTGOMERY	NY (US)
IAP	VOR RWY 8	KMGJ	MONTGOMERY	NY (US)
IAP	ILS OR LOC RWY 9	KSWF	NEW YORK	NY (US)
IAP	ILS RWY 9 (CAT II & III)	KSWF	NEW YORK	NY (US)
IAP	ILS RWY 9 (SA CAT I)	KSWF	NEW YORK	NY (US)
IAP	RNAV (GPS) RWY 34	KSWF	NEW YORK	NY (US)
IAP	ILS OR LOC RWY 34	KHPN	WHITE PLAINS	NY (US)
IAP	RNAV (GPS) Y RWY 16	KHPN	WHITE PLAINS	NY (US)
STAR	WILKES-BARRE	KCDW	CALDWELL	NJ (US)
STAR	WILKES-BARRE	KLDJ	LINDEN	NJ (US)
STAR	WILKES-BARRE	KMMU	MORRISTOWN	NJ (US)
STAR	FLOSI (RNAV)	KEWR	NEWARK	NJ (US)
STAR	SHAFF	KEWR	NEWARK	NJ (US)
STAR	WILKES-BARRE	39N	PRINCETON/ROCKY HILL	NJ (US)
STAR	WILKES-BARRE	N51	READINGTON	NJ (US)
STAR	WILKES-BARRE	KSMQ	SOMERVILLE	NJ (US)
STAR	WILKES-BARRE	KTEB	TETERBORO	NJ (US)
STAR	KINGSTON	KFRG	FARMINGDALE	NY (US)
STAR	KINGSTON	KJFK	NEW YORK	NY (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 25

**DATE OF REVISION:** 10/31/2024

**REASON FOR REVISION:**

REMOVED VOR-A KFWN FROM FIX USE, IAP CANCELED.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

**NAME:** CHRISTOPHER MENDENHALL

**APPROVED BY:**

**DATE:** 10/31/2024

**OFFICE:** AJV-A420

**NAME:** DAVID DANNER

**SIGNATURE:**

*Digitally signed by*

**DAVID DANNER**

Jul 19, 2024

QUALITY  
13  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: STILLWATER VOR/DME STATE: NJ COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 405944.95N/0745208.51W 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	STILLWATER	STW	VOR/DME	L							17500

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	NW	STW	VOR/DME	305.00	125.00	L	1		3100	17500	4	16
2	NW	STW	VOR/DME	305.00	125.00	R	1		3100	8000	4	8
3	W	STW	VOR/DME	274.00	094.00	R	1		3000	8000	4	8

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	410030.00N/0750333.00W	1841	4E
1	230	AAO	410030.00N/0750333.00W	1841	4E
1	265	AAO	410030.00N/0750333.00W	1841	4E
2	200	AAO	410030.00N/0750333.00W	1841	4E
2	230	AAO	410030.00N/0750333.00W	1841	4E
3	200	AAO	410051.00N/0750239.00W	1815	4E
3	230	AAO	410030.00N/0750333.00W	1841	4E

## REASON FOR NONSTANDARD HOLDING:

PAT 1 AIR TRAFFIC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED MAGVAR: W11/1980  
 PATTERN 2: ATC USE ONLY

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TETERBORO			KTEB	TETERBORO	NJ (US)
DP	WENTZ (RNAV)			KTEB	TETERBORO	NJ (US)
EN ROUTE	J106					(US)
EN ROUTE	J70					(US)
EN ROUTE	V226					(US)
IAP	VOR-A		1			(US)
IAP	RNAV (GPS) RWY 5		3	12N	ANDOVER	NJ (US)
IAP	RNAV (RNP) Y RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	ROUTE 80 VISUAL RWY 23			KMMU	MORRISTOWN	NJ (US)
IAP	RNAV (GPS) RWY 3			KFWN	SUSSEX	NJ (US)
IAP	RNAV (GPS) X RWY 6			KTEB	TETERBORO	NJ (US)
IAP	RNAV (GPS) Y RWY 6			KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) Z RWY 19			KTEB	TETERBORO	NJ (US)
IAP	RNAV (RNP) Z RWY 6			KTEB	TETERBORO	NJ (US)
IAP	ILS OR LOC RWY 13			KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC RWY 6			KABE	ALLENTOWN	PA (US)
IAP	ILS OR LOC/DME RWY 24			KABE	ALLENTOWN	PA (US)
IAP	ILS RWY 6 (SA CAT I & II)			KABE	ALLENTOWN	PA (US)
STAR	WILKES BARRE			KCDW	CALDWELL	NJ (US)
STAR	WILKES BARRE			KLDJ	LINDEN	NJ (US)
STAR	WILKES BARRE			KMMU	MORRISTOWN	NJ (US)
STAR	PENNS			KEWR	NEWARK	NJ (US)
STAR	WILLIAMSPORT			KEWR	NEWARK	NJ (US)
STAR	WILKES BARRE			39N	PRINCETON/ROCKY HILL	NJ (US)
STAR	WILKES BARRE			N51	READINGTON	NJ (US)
STAR	WILKES BARRE			KSMQ	SOMERVILLE	NJ (US)
STAR	WILKES BARRE			KTEB	TETERBORO	NJ (US)
STAR	LENDY			KFRG	FARMINGDALE	NY (US)
STAR	LENDY			KJFK	NEW YORK	NY (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21

DATE OF REVISION: 10/31/2024

QUALITY  
13  
CHECKED

**REASON FOR REVISION:**

REMOVED VOR-A KFWN FROM FIX USE, IAP CANCELED.

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

AJV-A421

**NAME:** CHRISTOPHER MENDENHALL**APPROVED BY:****DATE:** 10/31/2024**OFFICE:** AJV-A420**NAME:** DAVID DANNER**SIGNATURE:***Digitally signed by***DAVID DANNER**

Jul 19, 2024

QUALITY  
13  
CHECKED