

# RADIO FIX AND HOLDING DATA RECORD

NAME: GIBAE

STATE: DE

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382834.30N/0752203.76W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) -A

FAC

PAT

AIRPORT IDENT  
KN06

CITY  
LAUREL

STATE  
DE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

FIX RELOCATED 1 FOOT WEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/28/2011

OFFICE: AJV-352

NAME: DONALD SMITH (SAMER MASSARUEH)

APPROVED BY:

DATE: 02/10/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: NHK APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

NAME: NEIDA

STATE: MD

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382507.67N/0752640.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE		WP	148.50	328.50	R	4	1800	6000	4 6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-000090)	382312.00N/0751726.00W	683	5D

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) -A			KN06	LAUREL	DE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

**REASON FOR REVISION:**

FIX RELOCATED 25 FEET WEST.  
DELETED FAC 1 DATA.  
UPDATED HOLDING RADIAL FROM 148.46/328.46 TO 148.50/328.50

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/23/2011

OFFICE: AJV-352

NAME: DONALD SMITH (SAMER MASSARUEH)

APPROVED BY:

DATE: 02/10/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: NHK APP CON  
OTHER:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SALISBURY VORTAC      **STATE:** MD      **COUNTRY:** US      **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 382042.00N/0753038.10W      **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	MRA	MAA
1	SALISBURY	SBY	VORTAC	L						45000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SBY	VORTAC	R-229	103	18000	45000

**FIX RESTRICTIONS:**

MCA V29 5000 NORTHBOUND

**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	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	SBY	VORTAC	039.00	219.00	L	1		2000	6000	4	5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (24-000750)	382300.26N/0752451.85W	407	5D

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 TO AVOID RESTRICTED AREA R-4006

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	LEEAH			KMIV	MILLVILLE	NJ (US)
DP	HENRY			KPHF	NEWPORT NEWS	VA (US)
DP	KISRR			KORF	NORFOLK	VA (US)
EN ROUTE	J209					(US)
EN ROUTE	J79					(US)
EN ROUTE	V1					(US)
EN ROUTE	V29					(US)
IAP	RNAV (GPS)-A			KN06	LAUREL	DE (US)
IAP	RNAV (GPS) RWY 34			KCGE	CAMBRIDGE	MD (US)
IAP	LOC RWY 14			KOXB	OCEAN CITY	MD (US)
IAP	RNAV (GPS) RWY 14			KOXB	OCEAN CITY	MD (US)
IAP	RNAV (GPS) RWY 2			KOXB	OCEAN CITY	MD (US)
IAP	VOR-A			KOXB	OCEAN CITY	MD (US)
IAP	ILS OR LOC RWY 32			KSBY	SALISBURY	MD (US)
IAP	RNAV (GPS) RWY 14			KSBY	SALISBURY	MD (US)
IAP	RNAV (GPS) RWY 23			KSBY	SALISBURY	MD (US)
IAP	RNAV (GPS) RWY 32			KSBY	SALISBURY	MD (US)
IAP	RNAV (GPS) RWY 5			KSBY	SALISBURY	MD (US)
IAP	VOR RWY 5		1	KSBY	SALISBURY	MD (US)
IAP	VOR/DME OR TACAN RWY 10			KWAL	WALLOPS ISLAND	VA (US)
STAR	SMYRNA			KDOV	DOVER	DE (US)
STAR	ARGAL			KRDU	RALEIGH/DURHAM	NC (US)
STAR	KAROO (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
STAR	SEA ISLE			KBLM	BELMAR/FARMINGDALE	NJ (US)
STAR	SEA ISLE			KNEL	LAKEHURST	NJ (US)
STAR	SEA ISLE			KN14	LUMBERTON	NJ (US)
STAR	SEA ISLE			KVAY	MOUNT HOLLY	NJ (US)
STAR	SEA ISLE			KN87	ROBBINSVILLE	NJ (US)
STAR	SEA ISLE			KMJX	TOMS RIVER	NJ (US)
STAR	SEA ISLE			KWRI	WRIGHTSTOWN	NJ (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 15

**DATE OF REVISION:** 07/21/2016

**REASON FOR REVISION:**

REMOVED KSBY VOR RWY 23 FROM FIX USE.  
REMOVED KSBY VOR RWY 32 FROM FIX USE.

**INITIATED BY:****DATE:****ORGANIZATION:****NAME:****DEVELOPED BY:****DATE:** 02/01/2016**OFFICE:** AJV-5411**NAME:** ANDI LAU**APPROVED BY:****DATE:** 06/03/2016**OFFICE:** AJV-5410**NAME:** MARLON ROBINSON**SIGNATURE:****DISTRIBUTION:**

**NFDC**  
**FPO:** EST  
**ARTCC:** ZDC  
**ATC FACILITY:** NHK APP CON  
**OTHER:** DOV APP CON

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WATERLOO VOR/DME **STATE:** DE **COUNTRY:** US **ICAO REGION CODE:** K6

**LATITUDE/LONGITUDE:** 384835.32N/0751240.76W **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	FAC FEET	MRA	MAA
1	WATERLOO	ATR	VOR/DME	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	NE	ATR	VOR/DME	032.98	212.98	R	1		2000	6000	4	5
2	W		WP	254.01	074.01	R		4	2500	6000	5	6
3	NE	ATR	VOR/DME	052.74	232.74	R	1		2100	6000	4	4

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (10-020303)	384658.55N/0750953.92W	426	5D
2	200	TOWER (10-000022)	384628.00N/0752032.00W	479	1A
3	200	WINDMILL (10-020303)	384658.55N/0750953.92W	426	4D
UPN	200	TOWER (10-000022)	384628.00N/0752032.00W	479	1A

**HOLDING RESTRICTIONS:**

UNPLANNED HOLDING AUTHORIZED 200 CW 060 AT OR ABOVE 5000.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
FACILITY MAG/VAR: 9W/1965

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GEORGETOWN			KGED	GEORGETOWN	DE (US)
DP	ATLANTIC CITY			KACY	ATLANTIC CITY	NJ (US)
DP	LEEAH			KMIV	MILLVILLE	NJ (US)
EN ROUTE	V1					(US)
EN ROUTE	V308					(US)
IAP	VOR RWY 22		1	KGED	GEORGETOWN	DE (US)
IAP	VOR RWY 4		3	KGED	GEORGETOWN	DE (US)
IAP	RNAV (GPS) -A			KN06	LAUREL	DE (US)
IAP	ILS OR LOC RWY 04			KESN	EASTON	MD (US)
IAP	LOC RWY 14			KOXB	OCEAN CITY	MD (US)
IAP	RNAV (GPS) RWY 14			KOXB	OCEAN CITY	MD (US)
IAP	VOR-A			KOXB	OCEAN CITY	MD (US)
IAP	RNAV (GPS) RWY 1		2	KWWD	WILDWOOD	NJ (US)
IAP	RNAV (GPS) RWY 10			KWWD	WILDWOOD	NJ (US)
IAP	RNAV (GPS) RWY 28		2	KWWD	WILDWOOD	NJ (US)
STAR	SMYRNA			KDOV	DOVER	DE (US)
STAR	DUPONT			KPHL	PHILADELPHIA	PA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 15 **DATE OF REVISION:** 11/08/2018

**REASON FOR REVISION:**

HOLDING - ADDED PAT 3 AND UNPLANNED HOLDING OBSTACLE.  
CHARTING - ADDED CONTROLLER LOW  
FIX USE - ADDED KGED VOR RWY 4.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-5422 **NAME:** DAVID DOWLING

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: EST  
ARTCC: ZDC

**ATC FACILITY:** NHK, DOV, ACY  
**OTHER:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: WIKIE

STATE: DE

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 382840.29N/0753057.61W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV (GPS) -A

FAC

PAT

AIRPORT IDENT  
KN06

CITY  
LAUREL

STATE  
DE (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/05/2012

REASON FOR REVISION:

FIX RELOCATED 719 FEET SOUTHWEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/23/2011

OFFICE: AJV-352

NAME: DONALD SMITH (SAMER MASSARUEH)

APPROVED BY:

DATE: 02/10/2012

OFFICE: AJV-352

NAME: DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: NHK APP CON  
OTHER: