

RADIO FIX AND HOLDING DATA RECORD

NAME: SALISBURY VORTAC STATE: MD COUNTRY: US ICAO REGION CODE: K6
 LATITUDE/LONGITUDE: 382042.02N/0753038.07W 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	MRA FEET	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	MAX	TEMPLATES MIN	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	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, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

1. FIX USE: REMOVED STAR KAROO (RNAV) AT KRDU.

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

AJV-A431

NAME: TARA MARTINELLI**APPROVED BY:****DATE:****OFFICE:** AJV-A430**NAME:** GEORGE DAVIS**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** EST**ARTCC:** ZDC**ATC FACILITY:** NHK APP CON**OTHER:** DOV APP CON

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 380323.74N/0752750.04W **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	MAA
1	SNOW HILL	SWL	VORTAC	L					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	SW	SWL	VORTAC	219.05	039.05	L	1	2000 6000	5 7
2	NE	WP	WP	052.00	232.00	R	4	2000 6000	4 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (24-000639)	380436.36N/0753216.74W	438	1A
2	200	TOWER (24-000639)	380436.36N/0753216.74W	438	1A

REASON FOR NONSTANDARD HOLDING:
PAT 1 TO AVOID RESTRICTED AREA R-6604

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 EVALUATED AT 230 KIAS FOR HIGH PERFORMANCE NASA AIRCRAFT.
SWL ASSIGNED MAGNETIC VARIATION: 8W/EPOCH YEAR 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HENRY			KPHF	NEWPORT NEWS	VA (US)
DP	KISRR			KORF	NORFOLK	VA (US)
EN ROUTE	J121					(US)
EN ROUTE	J174					(US)
EN ROUTE	V139					(US)
EN ROUTE	V29					(US)
IAP	RNAV (GPS)-B		2	KW41	CRISFIELD	MD (US)
IAP	RNAV (GPS) RWY 2			KOXB	OCEAN CITY	MD (US)
IAP	RNAV (GPS) RWY 32			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 32			KSBY	SALISBURY	MD (US)
IAP	RNAV (GPS) RWY 21			KMFV	MELFA	VA (US)
IAP	VOR OR TACAN RWY 17		1	KWAL	WALLOPS ISLAND	VA (US)
STAR	SMYRNA			KDOV	DOVER	DE (US)
STAR	CEDAR LAKE			KILG	WILMINGTON	DE (US)
STAR	JIIMS (RNAV)			KILG	WILMINGTON	DE (US)
STAR	ARGAL			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	CEDAR LAKE			KTTN	TRENTON	NJ (US)
STAR	JIIMS (RNAV)			KTTN	TRENTON	NJ (US)
STAR	SEA ISLE			KWRI	WRIGHTSTOWN	NJ (US)
STAR	KORRY			KLGA	NEW YORK	NY (US)
STAR	CEDAR LAKE			KMQS	COATESVILLE	PA (US)
STAR	JIIMS (RNAV)			KMQS	COATESVILLE	PA (US)
STAR	CEDAR LAKE			KPHL	PHILADELPHIA	PA (US)
STAR	JIIMS (RNAV)			KPHL	PHILADELPHIA	PA (US)
STAR	CEDAR LAKE			KPNE	PHILADELPHIA	PA (US)
STAR	JIIMS (RNAV)			KPNE	PHILADELPHIA	PA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 05/21/2020

REASON FOR REVISION:

1. FIX MAKE-UP: FAC 1 MAA CHANGED FROM 17500 TO 45000.
2. HOLDING PATTERNS: REMOVED PAT 2 AND ASSOCIATED CONTROLLING OBSTUCTION.
3. FIX USE: REMOVED STAR KAROO (RNAV) AND ARGAL AT KRDU.

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

AJV-A431

NAME: TARA MARTINELLI**APPROVED BY:****DATE:****OFFICE:** AJV-A430**NAME:** GEORGE DAVIS**SIGNATURE:****DISTRIBUTION:****NFDC****FPO:** EST**ARTCC:** ZDC**ATC FACILITY:** NKH APP CON**OTHER:**

RADIO FIX AND HOLDING DATA RECORD

NAME: TAR RIVER VORTAC STATE: NC COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 355836.20N/0774213.43W 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	TAR RIVER	TYI	VORTAC	L							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	S	TYI	VORTAC	174.00	354.00	R	1		2000	17500	4	16
2	NE	TYI	VORTAC	057.79	237.79	R	1		2000	10000	4	9
3	S	TYI	VORTAC	193.93	013.93	R	1		2000	10000	4	9
4	SW		WP	246.38	066.38	L		10	18000	45000	17	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-001938)	355646.00N/0773936.00W	548	2D
2	200	TOWER (37-000889)	355819.00N/0774743.00W	624	3C
3	200	TOWER (37-001129)	355407.00N/0774657.00W	634	5D

REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING PAT 4 CRS INBOUND DOCUMENTED IN TRUE, CHART ON Q64.
 TYI MAG VAR: 5W/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BARMY (RNAV)			KVUJ	ALBEMARLE	NC (US)
DP	BARMY (RNAV)			KCLT	CHARLOTTE	NC (US)
DP	BARMY (RNAV)			KJQF	CONCORD	NC (US)
DP	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	BARMY (RNAV)			KAKH	GASTONIA	NC (US)
DP	BARMY (RNAV)			KIPJ	LINCOLNTON	NC (US)
DP	BARMY (RNAV)			KEQY	MONROE	NC (US)
DP	PACKK			KRDU	RALEIGH/DURHAM	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
DP	BARMY (RNAV)			KRUQ	SALISBURY	NC (US)
DP	BARMY (RNAV)			KLKR	LANCASTER	SC (US)
DP	BARMY (RNAV)			KUZA	ROCK HILL	SC (US)
EN ROUTE	J209					(US)
EN ROUTE	J40					(US)
EN ROUTE	J79					(US)
EN ROUTE	Q64		4			(US)
EN ROUTE	V157					(US)
EN ROUTE	V189					(US)
EN ROUTE	V194					(US)
EN ROUTE	V213					(US)
EN ROUTE	V290					(US)
EN ROUTE	V310					(US)
IAP	ILS OR LOC RWY 23			KGWW	GOLDSBORO	NC (US)
IAP	VOR-A			KGWW	GOLDSBORO	NC (US)
IAP	ILS Y OR LOC Y RWY 20			KPGV	GREENVILLE	NC (US)
IAP	ILS Z OR LOC Z RWY 20			KPGV	GREENVILLE	NC (US)
IAP	ILS OR LOC RWY 5			KLHZ	LOUISBURG	NC (US)
IAP	LOC RWY 6			KHNZ	OXFORD	NC (US)
IAP	ILS OR LOC RWY 23L			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 05R (SA CAT I - II)			KRDU	RALEIGH/DURHAM	NC (US)
IAP	VOR RWY 23L			KRDU	RALEIGH/DURHAM	NC (US)
IAP	VOR RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) RWY 2			KIXA	ROANOKE RAPIDS	NC (US)
IAP	VOR RWY 2		3	KIXA	ROANOKE RAPIDS	NC (US)
IAP	ILS OR LOC RWY 4		2	KRWI	ROCKY MOUNT	NC (US)
IAP	VOR/DME RWY 22		2	KRWI	ROCKY MOUNT	NC (US)
IAP	ILS Z OR LOC Z RWY 3			KJNX	SMITHFIELD	NC (US)
IAP	VOR/DME OR GPS RWY 27		1	KETC	TARBORO	NC (US)
IAP	LOC RWY 5			KOCW	WASHINGTON	NC (US)
IAP	LOC RWY 34			KEMV	EMPORIA	VA (US)

IAP	LOC RWY 1	KAVC	SOUTH HILL	VA (US)
STAR	NASCR	KVUJ	ALBEMARLE	NC (US)
STAR	NASCR	KJQF	CONCORD	NC (US)
STAR	BRADE	KRDU	RALEIGH/DURHAM	NC (US)
STAR	NASCR	KRUQ	SALISBURY	NC (US)
STAR	DRONE	KFAF	FORT EUSTIS	VA (US)
STAR	DRONE	KLFI	HAMPTON	VA (US)
STAR	DRONE	KPHF	NEWPORT NEWS	VA (US)
STAR	DRONE	KCPK	NORFOLK	VA (US)
STAR	DRONE	KNGU	NORFOLK	VA (US)
STAR	DRONE	KORF	NORFOLK	VA (US)
STAR	DRONE	KPVG	NORFOLK	VA (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: 05/21/2020

REASON FOR REVISION:

ADDED PACKK DP TO FIX USE - FPT/ATC REQUEST.
 DELETED HURIC (RNAV) STAR AT KRDU FROM FIX USE - FPT/ATC REQUEST.
 DELETED ARGAL STAR AT KRDU FROM FIX USE - FPT/ATC REQUEST.
 DELETED BLOGS (RNAV) STAR AT KRDU FROM FIX USE - FPT/ATC REQUEST.
 DELETED UPN HOLDING AND ASSOCIATED DATA - NO LONGER SUPPORTED BY CRITERIA.
 ADDED REMARK: HOLDING LIMITED TO ESTABLISHED PATTERNS - IAW 8260.19H H (6) (C).

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** ROBERT GRIM

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: EST
 ARTCC: ZDC
 ATC FACILITY: RDU APP/DEP CON
 OTHER: