

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FRANKLIN VORTAC      **STATE:** VA      **COUNTRY:** US      **ICAO REGION CODE:** K6  
**LATITUDE/LONGITUDE:** 364251.25N/0770044.56W      **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	FRANKLIN	FKN	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	W	FKN	VORTAC	290.00	110.00	R	1		1600	6000	4	5
2	W		WP	290.00	110.00	R		4	2000	5000	4	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-000975)	364116.00N/0770058.48W	524	5D
2	200	TOWER (51-000975)	364116.00N/0770058.48W	524	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	MOUNTY			KFAY	FAYETTEVILLE	NC (US)
DP	RALEIGH			KRDU	RALEIGH/DURHAM	NC (US)
EN ROUTE	J207					(US)
EN ROUTE	J79					(US)
EN ROUTE	V189					(US)
EN ROUTE	V260					(US)
EN ROUTE	V266					(US)
EN ROUTE	V66					(US)
IAP	COPTER RNAV (GPS) RWY 14			KFAF	FORT EUSTIS	VA (US)
IAP	RNAV (GPS) RWY 14			KFAF	FORT EUSTIS	VA (US)
IAP	ILS OR LOC RWY 23		1	KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 10			KPVG	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 20		2	KAKQ	WAKEFIELD	VA (US)
STAR	NASCR			KVUJ	ALBEMARLE	NC (US)
STAR	CHSLY (RNAV)			KCLT	CHARLOTTE	NC (US)
STAR	NASCR			KJQF	CONCORD	NC (US)
STAR	ARGAL			KRDU	RALEIGH/DURHAM	NC (US)
STAR	KAROO (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)
STAR	NASCR			KRUQ	SALISBURY	NC (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, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 20

**DATE OF REVISION:** 06/22/2017

**REASON FOR REVISION:**

UPDATED FIX USE, DELETED KPHF, KIXA, KEMV, KPTB AND KSFQ PROCEDURES.

**DEVELOPED BY:**      **DATE:** 10/23/2016

**OFFICE:** AJV-5412

**NAME:** GEORGETTE BARNETT

**APPROVED BY:**      **DATE:**

**OFFICE:** AJV-5420

**NAME:** JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:**

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: ORF APP CON  
OTHER: RDU APP CON

QUALITY  
22  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HARCUM VORTAC STATE: VA COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 372655.18N/0764240.87W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION:

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	HARCUM	HCM	VORTAC	L							17500

HOLDING: HOLDING TYPE OF ACTION:

## 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	SE	HCM	VORTAC	155.00	335.00	R	1	1700 6000	4 5
2	W	HCM	VORTAC	283.60	103.60	L	1	2000 14000	4 10
3	W	WP	WP	283.60	103.60	L	4	2000 6000	4 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	373039.00N/0764045.00W	332	4E
1	310	TOWER (51-000309)	371234.00N/0763234.00W	568	5D
2	200	TOWER (51-001121)	372701.00N/0764852.00W	405	5D
3	200	TOWER (51-001121)	372701.00N/0764852.00W	405	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST.  
 PAT 3 ATC REQUEST.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 10	KFYJ	WEST POINT	VA (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAG VAR: W07

## 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)
DP	COLIN			KRIC	RICHMOND	VA (US)
EN ROUTE	J193					(US)
EN ROUTE	J24					(US)
EN ROUTE	V33					(US)
EN ROUTE	V38					(US)
IAP	COPTER RNAV (GPS) RWY 14			KFAF	FORT EUSTIS	VA (US)
IAP	RNAV (GPS) RWY 14			KFAF	FORT EUSTIS	VA (US)
IAP	ILS OR LOC RWY 25		2	KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 7		2	KPHF	NEWPORT NEWS	VA (US)
IAP	LOC RWY 20		2	KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 2			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 20			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 25			KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV (GPS) RWY 7			KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 23			KORF	NORFOLK	VA (US)
IAP	ILS OR LOC RWY 5			KORF	NORFOLK	VA (US)
IAP	RNAV (GPS) RWY 14			KORF	NORFOLK	VA (US)
IAP	VOR/DME RWY 14			KORF	NORFOLK	VA (US)
IAP	VOR/DME RWY 32			KORF	NORFOLK	VA (US)
IAP	VOR RWY 23			KPTB	PETERSBURG	VA (US)
IAP	RNAV (GPS) RWY 29			KW96	QUINTON	VA (US)
IAP	ILS OR LOC RWY 02			KRIC	RICHMOND	VA (US)
IAP	ILS OR LOC RWY 34			KRIC	RICHMOND	VA (US)
IAP	ILS RWY 34 (CAT II-III)			KRIC	RICHMOND	VA (US)
IAP	ILS RWY 34 (SA CAT I)			KRIC	RICHMOND	VA (US)
IAP	VOR RWY 2			KRIC	RICHMOND	VA (US)
IAP	VOR RWY 34			KRIC	RICHMOND	VA (US)
IAP	GPS RWY 1			KW75	SALUDA	VA (US)
IAP	RNAV (GPS) RWY 28			KXSA	TAPPAHANNOCK	VA (US)
IAP	LOC RWY 10		1	KFYJ	WEST POINT	VA (US)
IAP	VOR-A		1	KFYJ	WEST POINT	VA (US)
IAP	RNAV (GPS) - C		3	KJGG	WILLIAMSBURG	VA (US)
IAP	VOR-B		2	KJGG	WILLIAMSBURG	VA (US)
IAP	RNAV (GPS) RWY 23			KW94	WILLIAMSBURG	VA (US)
IAP	RNAV (GPS) RWY 5			KW94	WILLIAMSBURG	VA (US)

QUALITY  
22  
CHECKED

STAR	IRONS	KDCA	WASHINGTON	DC (US)
STAR	SMYRNA	KDOV	DOVER	DE (US)
STAR	TERKS	KCPK	NORFOLK	VA (US)
STAR	TERKS	KNGU	NORFOLK	VA (US)
STAR	TERKS	KORF	NORFOLK	VA (US)
STAR	TERKS	KPVG	NORFOLK	VA (US)
STAR	TERKS	KSFQ	SUFFOLK	VA (US)
STAR	TERKS	KNTU	VIRGINIA BEACH	VA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 19

**DATE OF REVISION:** 06/22/2017

**REASON FOR REVISION:**

UPDATED FIX USE FOR KPHF AIRPORT.

ADDED ASSIGNED FACILITY MAG VAR TO REMARKS.

**DEVELOPED BY:**            **DATE:** 01/25/2017            **OFFICE:** AJV-5412            **NAME:** GEORGETTE BARNETT

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

**SIGNATURE:**

**DISTRIBUTION:**    **NFDC**  
                         **FPO: EST**  
                         **ARTCC: ZDC**  
                         **ATC FACILITY: POTOMAC APP CON**  
                         **OTHER: USAASA**

QUALITY  
22  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JAWES STATE: VA COUNTRY: US ICAO REGION CODE: K6  
 LATITUDE/LONGITUDE: 370105.17N/0764245.76W TYPE: WP, INT, DME

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	NEWPORT NEWS	I-PHF	LOC/DME		246.80	237.80	13.60	13.61	2000	4500
2	HARCUM	HCM	VORTAC	L	187.14	180.14		25.80	2000	4500
3	HOPEWELL	HPW	VORTAC	L	139.80	133.80		26.85	2000	4500

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	I-PHF	LOC/DME	246.80	066.80	L	1	2000 4500	4 6
2	SW	WP	WP	246.67	066.67	L	4	2000 6000	4 6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (51-002103)	370333.00N/0764123.70W	360	5D
2	200	TOWER (51-002103)	370333.00N/0764123.70W	360	5D

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ARRIVAL SEPARATION FROM LANGLEY AFB TRAFFIC PATTERNS.  
 PAT 2 ARRIVAL SEPARATION FROM LANGLEY AFB TRAFFIC PATTERNS.

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 I-PHF DME COORDINATES 370824.42N/0762825.64W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 7	1, 2, 3	1	KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 25		2	KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 7		2	KPHF	NEWPORT NEWS	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 DATE OF REVISION: 06/22/2017

## REASON FOR REVISION:

ADDED I-PHF DME COORDINATES IN REMARKS.  
 UPDATED DISTANCE FROM FAC 1 FROM 13.60 TO 13.61 NM.

DEVELOPED BY: DATE: 10/21/2016 OFFICE: AJV-5412 NAME: GEORGETTE BARNETT

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

SIGNATURE:

## DISTRIBUTION:

NFDC  
 FPO: EST  
 ARTCC: ZDC  
 ATC FACILITY: ORF APP CON, PHF ATCT  
 OTHER:

QUALITY  
22  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JETIT

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 370418.42N/0763624.32W

TYPE: WP, INT, DME

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	NEWPORT NEWS	I-PHF	LOC/DME		246.80	237.80	7.58	7.58	46083	2000	4500
2	HARCUM	HCM	VORTAC	L	174.46	167.46		23.13		2000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

NEWPORT NEWS (FAC 1) AND HARCUM (FAC 2) USED TO ESTABLISH FIX COORDINATES  
I-PHF DME COORDINATES 370824.42N/0762825.64W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 7	1, 2		KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 7			KPHF	NEWPORT NEWS	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/22/2017

## REASON FOR REVISION:

FIX MOVED .07 NM SOUTHWEST.  
UPDATED FIX LAT/LONG.  
CHANGED FAC 1 DME DISTANCE FROM 7.51 TO 7.58, CHANGED DIST FROM FAC NM/FEET FROM 7.51/45631 TO 7.58/46083.  
CHANGED FAC 2 DIST FROM FAC FROM 23.11 TO 23.13.  
UPDATED I-PHF DME COORDINATES IN REMARKS.

DEVELOPED BY:

DATE: 10/21/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: ORF APP CON, PHF ATCT  
OTHER:

QUALITY  
22  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MIDRE

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 365856.59N/0764658.85W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	NEWPORT NEWS	I-PHF	LOC/DME		246.80	237.80	17.60	17.60		2100	4500
2	HOPEWELL	HPW	VORTAC	L	148.34	142.34		26.19		2100	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

NEWPORT NEWS (FAC 1) AND HOPEWELL (FAC 2) USED TO ESTABLISH FIX COORDINATES  
I-PHF DME COORDINATES 370824.42N/0762825.64W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 7	1, 2		KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 7			KPHF	NEWPORT NEWS	VA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 06/22/2017

## REASON FOR REVISION:

DELETED FAC 3 FKN VORTAC INFORMATION.  
UPDATED I-PHF DME COORDINATES.  
CHANGED "FIX ESTABLISHED FROM WP COMPUTATION" TO "NEWPORT NEWS (FAC 1) AND HOPEWELL (FAC 2) USED TO ESTABLISH FIX COORDINATES" IN REMARKS.  
CHANGED FAC 1/2 MRA FROM 2000 TO 2100.

DEVELOPED BY:

DATE: 10/23/2016

OFFICE: AJV-5412

NAME: GEORGETTE BARNETT

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: ORF APP CON, PHF ATCT  
OTHER:

QUALITY  
22  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RIPPS

STATE: VA

COUNTRY: US

ICAO REGION CODE: K6

LATITUDE/LONGITUDE: 371253.07N/0761922.96W

TYPE: WP, INT, DME

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	CAPE CHARLES	CCV	VORTAC	L	253.04	243.04	17.50	17.50	2500	6000
2	HARCUM	HCM	VORTAC	L	133.91	126.91	23.28	23.28	2500	6000

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	E	CCV	VORTAC	253.04	253.04	R	1		2500	6000	5	6
2	NE		WP	066.87	246.87	R		4	2500	6000	5	6
3	NW	HCM	VORTAC	133.91	133.91	R	1		2500	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	371609.00N/0762424.00W	230	4E
2	200	AAO	371609.00N/0762424.00W	230	4E
3	200	TOWER (51-000651)	371709.00N/0763049.00W	538	2C

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

CAPE CHARLES (FAC 1) AND HARCUM (FAC 2) USED TO ESTABLISH FIX COORDINATES  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 25	1, 2	1	KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 7	1, 2	1	KPHF	NEWPORT NEWS	VA (US)
IAP	ILS OR LOC RWY 7 (ALT MA)	2	3	KPHF	NEWPORT NEWS	VA (US)
IAP	RNAV(GPS) RWY 7		2	KPHF	NEWPORT NEWS	VA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 13

**DATE OF REVISION:** 06/22/2017

**REASON FOR REVISION:**

DELETED FAC 3 PJS NDB INFORMATION.  
PATTERN 3 PJS NDB HOLDING INFORMATION DELETED, ADDED HCM VORTAC HOLDING INFORMATION.  
UPDATED FIX USE INFORMATION.  
PATTERN 2 CONTROLLING OBSTACLE UPDATED COORDINATES/ELEVATION, SAME AS PATTERN 1.

**DEVELOPED BY:**      **DATE:** 10/23/2016      **OFFICE:** AJV-5412      **NAME:** GEORGETTE BARNETT

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

**SIGNATURE:**

**DISTRIBUTION:**      NFDC  
FPO: EST  
ARTCC: ZDC  
ATC FACILITY: ORF APP CON, PHF ATCT  
OTHER:

QUALITY  
22  
CHECKED