

# RADIO FIX AND HOLDING DATA RECORD

NAME: DUHAM STATE: NC COUNTRY: US ICAO REGION CODE: K7  
 LATITUDE/LONGITUDE: 360305.96N/0785004.25W 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 FEET	MAA
1	RALEIGH/DURHAM	RDU	VORTAC	H	355.94	346.94	11.02	11.02	2100	17500
2	LIBERTY	LIB	VORTAC	L	072.00	069.00	40.55	40.55	2100	17500
3	SOUTH BOSTON	SBV	VORTAC	L	171.80	166.80		38.36	2100	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LIB	VORTAC	R-072	41	2100	17500

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	N	RDU	VORTAC	355.94	175.94	R	1-1 1/2		2200	17500	6	18
2	N	WP	WP	352.91	172.91	R		4	2200	17500	5	17
3	N	SBV	VORTAC	171.80	171.80	R	1-1 1/2		2200	17500	6	18

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-020203)	360613.70N/0785755.70W	1159	5D
2	200	TOWER (37-020203)	360613.70N/0785755.70W	1159	5D
3	200	TOWER (37-020203)	360613.70N/0785755.70W	1159	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

RALEIGH/DURHAM (FAC1) AND LIBERTY (FAC2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V136	1, 2				NC (US)
IAP	RNAV (GPS) RWY 27		2	KIGX	CHAPEL HILL	NC (US)
IAP	ILS OR LOC RWY 23R	1, 2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5L (ALT MA)	1, 2, 3	1, 3	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 23R (CAT II)	1, 2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 23R (CAT III)	1, 2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) RWY 32		2	KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5L		2	KRDU	RALEIGH/DURHAM	NC (US)
IAP	VOR RWY 32	1, 2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/24/2018

## REASON FOR REVISION:

UPDATED FAC 1 RDU VORTAC MAGVAR CHANGE FROM 4W TO 9W; UPDATED MAG BRG FROM 350.94 TO 355.94.  
 UPDATED HOLDING PAT 1 RDU VORTAC; MAGVAR CHANGE FROM 4W TO 9W; UPDATED RAD/CRS/BRG FROM 350.94 TO 355.94 AND CRS INBOUND FROM 170.94 TO 175.94.  
 UPDATED HOLDING PAT 2 WP; KRDU AIRPORT MAGVAR CHANGE FROM W7 TO W9; CHANGE FROM RAD/CRS/BRG FROM 350.91 TO 352.91 AND CRS INBOUND FROM 170.91 TO 172.91.  
 UPDATED FIX USE.

DEVELOPED BY: DATE: 10/04/2017 OFFICE: AJV-5411 NAME: BRYAN BLUE  
 APPROVED BY: DATE: OFFICE: AJV-5410 NAME: GEORGE DAVIS  
 SIGNATURE:

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