

RADIO FIX AND HOLDING DATA RECORD

NAME: AMORT

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355053.32N/0784903.66W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	RALEIGH/DURHAM	I-RDU	LOC/DME		234.14	225.14	2.79	2.80		800	4900

REMARKS:

ILS DME COORDINATES: 355254.38N/0784641.19W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5R	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/24/2018

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 11/30/2017

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZTL
ATC FACILITY: RDU ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: BEICH

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354147.46N/0790015.20W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	RALEIGH/DURHAM	I-RDU	LOC/DME		234.14	225.14	15.65	15.65		5000	5000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RDU	LOC/DME	R-234	16	5000	5000

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5R	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWR 5R (SA CAT I/II)			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5R	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

2/23/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/31/2020.

1. DME ADDED TO TYPE.

2. FAC 1 ADDED TO FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: OTTOS

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 353900.81N/0790719.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5L			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 5R (SA CAT I/II)			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5L			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 5L			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
STAR	MALNR (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

FIX MOVED 1.29 NM SW. ATC RETAIN FIX NAME FOR OPERATIONAL ADVANTAGE.

ADDED:ILS OR LOC RWY 5L, ILS OR LOC RWY 5R,ILS RWY 5R (SA CAT I/II),RNAV (GPS) Y RWY 5L, RNAV (GPS) Y RWY 5R TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THERON CYRUS

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: PECIT

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354551.42N/0785515.54W

TYPE: WP, RADAR, 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	RALEIGH/DURHAM	I-RDU	LOC/DME		234.14	225.14	9.91	9.92		3000	4900

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

REMARKS:

ILS DME COORDINATES: 355254.38N/0784641.19W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5R	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 5R (SA CAT I & II)	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

1. FIX MOVED 3.56 NM NE. ATC RETAIN FIX NAME FOR OPERATIONAL ADVANTAGE.
2. CHANGED FAC 1 DIST FROM FAC NM FROM 13.48 TO 9.92.
3. CHANGED FAC 1 DIST FROM FAC (DME) FROM 13.47 TO 9.91.
4. DELETED RNAV (RNP) Z RWY 23L FROM FIX USE.
5. DELETED HOLDING PATTERN 1 AND ASSOCIATED DATA.
6. LOWERED FAC 1 MRA FROM 4000 TO 3000.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: RDU ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: RATTY

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354400.79N/0785731.53W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	RALEIGH/DURHAM	I-RDU	LOC/DME		234.14	225.14	12.51	12.51		4000	4900

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 5R	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 5R (SA CAT I/II)	1		KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 5R			KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

2/23/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/31/2020.

1. DME ADDED TO TYPE.

2. FAC 1 ADDED TO FIX MAKE-UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: THOR CORNELL

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ZEBUL STATE: NC COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 355444.33N/0782300.47W TYPE: WP, INT, DME

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	MAA
1	RALEIGH/DURHAM	RDU	VORTAC	H	091.91	082.91	19.64	19.64	2600	17500
2	SOUTH BOSTON	SBV	VORTAC	L	151.00	146.00		55.00	2600	17500
3	TAR RIVER	TYI	VORTAC	L	268.55	263.55	33.34	33.34	2600	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SBV	VORTAC	R-151	55	2500	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	E	RDU	VORTAC	091.91	271.91	R	1		2600	17500	6	18
2	E		WP	091.06	271.06	R		4	2600	17500	5	17
3	W	TYI	VORTAC	268.55	088.55	R	1		2600	17500	6	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-001488)	355626.00N/0782844.00W	1548	5D
2	200	TOWER (37-001488)	355626.00N/0782844.00W	1548	5D
2	310	TOWER (37-001047)	354955.00N/0780846.00W	2207	5D
3	200	TOWER (37-001488)	355626.00N/0782844.00W	1548	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) RWY 23	KLHZ	LOUISBURG	NC (US)

REMARKS:

RALEIGH/DURHAM (FAC 1) AND SOUTH BOSTON (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V194	1, 2, 3				(US)
EN ROUTE	V310	1, 2, 3				(US)
IAP	ILS OR LOC RWY 5	1, 2	1	KLHZ	LOUISBURG	NC (US)
IAP	ILS OR LOC RWY 5 (ALT MA)	2, 3	3	KLHZ	LOUISBURG	NC (US)
IAP	RNAV (GPS) RWY 23		2	KLHZ	LOUISBURG	NC (US)
IAP	ILS OR LOC RWY 23L	1, 2	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 23L (ALT MA)	2, 3	3	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5R	1, 2	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS OR LOC RWY 5R (ALT MA)	2, 3	3	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 5R (SA CAT I & II)	2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	ILS RWY 5R (SA CAT I & II) (ALT MA)	2, 3	3	KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (GPS) Y RWY 5R		2	KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 23L		2	KRDU	RALEIGH/DURHAM	NC (US)
IAP	RNAV (RNP) Z RWY 5R		2	KRDU	RALEIGH/DURHAM	NC (US)
IAP	VOR RWY 23L	1, 2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)
IAP	VOR RWY 5R	1, 2, 3	1	KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 05/21/2020

REASON FOR REVISION:

1. FIX USE: ADDED KRDU RNAV (RNP) Z RWY 5R AND RNAV (RNP) Z RWY 23L.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: BARBARA GORMAN

APPROVED BY:**DATE:****OFFICE:** AJV-A430**NAME:** LONNIE EVERHART**SIGNATURE:****DISTRIBUTION:**

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY: RDU ATCT
OTHER: