

RADIO FIX AND HOLDING DATA RECORD

NAME: BUZZY STATE: NC COUNTRY: US ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 353019.14N/0792308.68W TYPE: WP, 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	SANDHILLS	SDZ	VORTAC	L	032.69	029.69	20.00	20.00	3000	17500
2	RALEIGH/DURHAM	RDU	VORTAC	H	242.41	233.41	36.75	36.75	3000	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	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	SW	SDZ	VORTAC	033.00	033.00	R	1	6000	14000	8	10
2	SW	WP	WP	242.40	062.40	R	10	4000	17500	15	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPACE	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	210	TOWER (37-001596)	351958.00N/0792426.00W	925	5D
2	230	TOWER (37-003185)	351720.36N/0793834.53W	975	5D

HOLDING RESTRICTIONS:

PAT 1 CHART 210K ICON
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
10 NM HOLDING LEG FOR PAT 2 REQUESTED BY ATC.
ZDC COORDINATION FIX.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BUZZY	1, 2	1	KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 11/05/2020

REASON FOR REVISION:

1. FIX USE: REMOVED STAR MALNR (RNAV) AT KRDU.
2. FIX USE: REMOVED ZDC COORDINATION FIX AND MOVED TO REMARKS SECTION.
3. FIX USE: REMOVED STAR BUZZY AT KTDF, KHNZ AND KTTA.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: TARA MARTINELLI
APPROVED BY:	DATE:	OFFICE: AJV-A430	NAME: GEORGE DAVIS

SIGNATURE: *Digitally signed by*
DONALD H LANIER

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

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CAKEY

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354727.38N/0785434.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. MOVED FIX 0.69NM TO THE SOUTHWEST - PER FPT REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

Digitally signed by

SIGNATURE:

DONALD H LANIER

Nov 19, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER:

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHIRM

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354833.98N/0784311.62W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MALNE (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 2/25/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

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

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GLEYS

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355803.61N/0784956.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

STAR

USE TITLE

RNAV (RNP) Z RWY 23R

MALNR (RNAV)

FAC

PAT

AIRPORT IDENT

KRDU

KRDU

CITY

RALEIGH/DURHAM

RALEIGH/DURHAM

STATE

NC (US)

NC (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. MOVED FIX 0.71 NORTHEAST - PER FPT REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

Nov 19, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER:

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JODUS

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354812.67N/0784651.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. MOVED FIX 0.29NM NORTH - PER FPT REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

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

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JURDI

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 344102.92N/0795214.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. MOVED FIX 3NM SOUTHWEST - ATC REQUEST TO RETAIN FIX NAME.
2. CHARTING: ADDED CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER: ZJX

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KENCH

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 354958.79N/0784127.08W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

STAR

USE TITLE

RNAV (RNP) Z RWY 23L

MALNR (RNAV)

FAC

PAT

AIRPORT IDENT

KRDU

KRDU

CITY

RALEIGH/DURHAM

RALEIGH/DURHAM

STATE

NC (US)

NC (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. MOVED FIX 0.08NM SOUTHWEST - PER ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER:

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MALNR

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 352335.22N/0792709.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	S		WP	195.29	015.29	R	10	11000	17000	15 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (37-020427)	351033.60N/0792449.20W	994	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
STAR	MALNR (RNAV)		1	KRDU	RALEIGH/DURHAM	NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. MOVED FIX 3.5NM SOUTHWEST - PER FPT REQUEST, ATC REQUEST TO RETAIN FIX NAME.
2. ADDED HOLDING AND ALL ASSOCIATED NOTES.
3. CHARTING: ADDED CONTROLLER LOW/HIGH AND ENROUTE HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

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

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NEDIE

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 353806.20N/0790912.59W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/10/2013

REASON FOR REVISION:

1. REMOVED IAP FROM REQUIRED CHARTING.
2. UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE: 11/14/2012

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER:

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NYGEL

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 352921.79N/0792429.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

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	SW		WP	244.39	064.39	R	10	9000	10000	15 15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (37-002327)	351753.00N/0794505.00W	1048	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MALNR (RNAV)		1	KRDU	RALEIGH/DURHAM	NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 2/25/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

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

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ORENG

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 355638.80N/0785140.83W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:
USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 2/25/2021

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

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

Nov 19, 2020

QUALITY
18
CHECKED

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: 2/25/2021

REASON FOR REVISION:

1. FIX MOVED 1.29 NM SW. ATC RETAIN FIX NAME FOR OPERATIONAL ADVANTAGE.
2. FIX USE: 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 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:

Digitally signed by

DONALD H LANIER

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER:

Nov 19, 2020



RADIO FIX AND HOLDING DATA RECORD

NAME: PETTO

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 330308.02N/0810722.47W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

PETTO: STAND ALONE FIX CHARTED ON STAR MALNR (RNAV).

FIX USE:

USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. REMARKS: ADDED NOTE - PETTO: STAND ALONE FIX CHARTED ON STAR MALNR (RNAV).
2. CHARTING: ADDED ENROUTE LOW AND CONTROLLER HIGH/LOW - REQUESTED BY ATC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZDC
ATC FACILITY:
OTHER: ZJX

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PYRES

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 335143.85N/0813240.96W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC

PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

ADDED CONTROLLER LOW/HIGH AND ENROUTE LOW TO CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

Nov 19, 2020

DISTRIBUTION:

NFDC

FPO: EST

ARTCC: ZDC

ATC FACILITY: RDU APP CON

OTHER: ZTL

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RASKL

STATE: NC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 353422.86N/0791626.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX USE:
USE TYPE
STAR

USE TITLE
MALNR (RNAV)

FAC PAT

AIRPORT IDENT
KRDU

CITY
RALEIGH/DURHAM

STATE
NC (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 09/23/2010

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by

DONALD H LANIER

Nov 19, 2020

DISTRIBUTION:

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



RADIO FIX AND HOLDING DATA RECORD

NAME: REDFH

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 342236.35N/0793708.34W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SW		WP	215.15	035.15	R		10	18000	45000	17	30

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

HOLDING PAT 1 ATC REQUEST.

FIX USE:

USE TYPE
EN ROUTE
STAR

USE TITLE
Q87
MALNR (RNAV)

FAC

PAT
1

AIRPORT IDENT CITY

KRDU

RALEIGH/DURHAM

STATE
(US)
NC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. FIX USE: ADDED MALNR (RNAV) AT KRDU.
2. CHARTING: ADDED STAR, ENROUTE LOW AND CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

Digitally signed by
DONALD H LANIER

DISTRIBUTION:

NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY:
OTHER:

Nov 19, 2020

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TREAL

STATE: SC

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 330410.94N/0812627.80W

TYPE: WP, 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 NM	FAC FEET	MRA	MAA
1	CHARLOTTE	CLT	VOR/DME	L	196.00	191.00	129.33	129.33		16000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
CLT	VOR/DME	R-196	130	16000	33000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KERMIT	1		KVUJ	ALBEMARLE	NC (US)
DP	KERMIT	1		KCLT	CHARLOTTE	NC (US)
DP	KERMIT	1		KJQF	CONCORD	NC (US)
DP	KERMIT	1		KAKH	GASTONIA	NC (US)
DP	KERMIT	1		KIPJ	LINCOLNTON	NC (US)
DP	KERMIT	1		KEQY	MONROE	NC (US)
DP	KERMIT	1		KRUQ	SALISBURY	NC (US)
DP	KERMIT	1		KLKR	LANCASTER	SC (US)
DP	KERMIT	1		KUZA	ROCK HILL	SC (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 2/25/2021

REASON FOR REVISION:

1. AIRSPACE DOCKET NUMBER REMOVED: 19-ASO-7.
2. FIX USE: REMOVED STAR MALNR (RNAV) AT KRDU.
3. CHARTING: REMOVED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

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DONALD H LANIER

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