

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	1-1 1/2	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	WP	246.38	066.38	L	10	18000 45000	17 30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (37-001056)	354841.00N/0774432.00W	748	5D
1	200	TOWER (37-001938)	355646.00N/0773936.00W	549	2D
2	200	TOWER (37-000889)	355819.00N/0774743.00W	625	3C
3	200	TOWER (37-001129)	355407.00N/0774657.00W	634	5D

REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000.

REMARKS:

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

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	HURIC (RNAV)			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 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	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 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 1			KAVC	SOUTH HILL	VA (US)
STAR	NASCR			KVUJ	ALBEMARLE	NC (US)
STAR	NASCR			KJQF	CONCORD	NC (US)
STAR	ARGAL			KRDU	RALEIGH/DURHAM	NC (US)
STAR	BLOGS (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)

QUALITY
18
CHECKED

STAR	BRAD	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, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 06/22/2017

REASON FOR REVISION:

UPDATED FIX USE: DELETED NDB RWY 27 AT KETC.
CHANGED THE NAME OF THE VOR RWY 2 AT KIXA.

DEVELOPED BY: **DATE:** 02/14/2017 **OFFICE:** AJV-5423 **NAME:** DANIEL OLSON (STEPHANIE BARBEE)

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

SIGNATURE:

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

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DUFFI **STATE:** NC **COUNTRY:** US **ICAO REGION CODE:** K7

LATITUDE/LONGITUDE: 362057.87N/0774729.22W **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	FAC FEET	MRA	MAA
1	TAR RIVER	TYI	VORTAC	L	354.22	349.22	22.73	22.73		4500	17500
2	HOPEWELL	HPW	VORTAC	L	215.20	209.20	67.10	67.10		5000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
HPW	VORTAC	R-215	68	5000	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	174.22	354.22	R	1		5000	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (37-001057)	361729.20N/0775009.40W	1427	3C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

TAR RIVER (FAC 1) AND HOPEWELL (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 HOLDING TEMPLATE BASED ON DME ONLY DUE TO INT DIVERGENCE ANGLE OF 39.98D.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V157	1, 2				(US)
EN ROUTE	V615	1, 2				(US)
EN ROUTE	V66	1, 2				(US)
IAP	RNAV (GPS) RWY 34			KEMV	EMPORIA	VA (US)
IAP	LOC RWY 01	1, 2	1	KAVC	SOUTH HILL	VA (US)
STAR	ARGAL	1, 2		KRDU	RALEIGH/DURHAM	NC (US)
STAR	KAROO (RNAV)			KRDU	RALEIGH/DURHAM	NC (US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:

1. DELETE RNAV (GPS) RWY 2 AT KIXA FROM FIX USE.

DEVELOPED BY: **DATE:** 02/23/2017 **OFFICE:** AJV-5423 **NAME:** DANIEL OLSON (STEPHANIE BARBEE)

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

SIGNATURE:

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

