

RADIO FIX AND HOLDING DATA RECORD

NAME: EAU CLAIRE VORTAC **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 445351.61N/0912842.73W **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	EAU CLAIRE	EAU	VORTAC	H							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	N	EAU	VORTAC	004.17	184.17	R	1		2900	6000	4	13
2	SE	EAU	VORTAC	122.57	302.57	R	1		9000	35000	9	25
3	E	EAU	VORTAC	084.71	264.71	R	1		2800	4000	4	4
4	N	EAU	VORTAC	360.00	180.00	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (55-001044)	450100.00N/0913347.00W	1580	5E
1	310	TOWER (55-000138)	444800.00N/0912757.00W	1850	1D
2	230	TOWER (55-000138)	444800.00N/0912757.00W	1850	1D
3	200	TOWER (55-001021)	445107.01N/0912230.76W	1641	1A
4	200	TOWER (55-001044)	450100.00N/0913347.00W	1580	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 22	KEAU	EAU CLAIRE	WI (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PAT 2: STAR MEA FL180, MIN HOLDING ALTITUDE 9000 PER AIR TRAFFIC REQUEST.
ESV FOR R-123 AVAILABLE TO 82 NM, 45000 MAA.
ASSIGNED MAGNETIC VARIATION: 4E.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	COULT			KANE	MINNEAPOLIS	MN (US)
DP	COULT			KFCM	MINNEAPOLIS	MN (US)
DP	COULT			KMSP	MINNEAPOLIS	MN (US)
DP	COULT			KSTP	ST PAUL	MN (US)
EN ROUTE	V129					(US)
EN ROUTE	V26					(US)
EN ROUTE	V345					(US)
EN ROUTE	V413					(US)
EN ROUTE	V55					(US)
EN ROUTE	V78					(US)
IAP	RNAV (GPS) RWY 26			K3T3	BOYCEVILLE	WI (US)
IAP	RNAV (GPS) RWY 35			KY23	CHETEK	WI (US)
IAP	ILS OR LOC RWY 22		1	KEAU	EAU CLAIRE	WI (US)
IAP	LOC BC RWY 4		1	KEAU	EAU CLAIRE	WI (US)
IAP	RNAV (GPS) RWY 22			KEAU	EAU CLAIRE	WI (US)
IAP	VOR -A		1	KEAU	EAU CLAIRE	WI (US)
IAP	ILS OR LOC RWY 18			KLSE	LA CROSSE	WI (US)
IAP	NDB RWY 32			KRCX	LADYSMITH	WI (US)
IAP	VOR/DME RWY 27		3	KLUM	MENOMONIE	WI (US)
IAP	ILS OR LOC RWY 1		4	KRPD	RICE LAKE	WI (US)
IAP	RNAV (GPS) RWY 1			KRPD	RICE LAKE	WI (US)
STAR	AGUDE			KCFE	BUFFALO	MN (US)
STAR	AGUDE			KFBL	FARIBAULT	MN (US)
STAR	AGUDE			KGYL	GLENCOE	MN (US)
STAR	AGUDE			KMGG	MAPLE LAKE	MN (US)
STAR	AGUDE			KANE	MINNEAPOLIS	MN (US)
STAR	AGUDE			KFCM	MINNEAPOLIS	MN (US)
STAR	AGUDE			KLVN	MINNEAPOLIS	MN (US)
STAR	AGUDE			KMIC	MINNEAPOLIS	MN (US)
STAR	EAU CLAIRE		2	KMSP	MINNEAPOLIS	MN (US)
STAR	AGUDE			KSGS	SOUTH ST PAUL	MN (US)
STAR	AGUDE			K21D	ST PAUL	MN (US)
STAR	AGUDE			KSTP	ST PAUL	MN (US)
STAR	AGUDE			KRNH	NEW RICHMOND	WI (US)
STAR	AGUDE			KOEO	OSCEOLA	WI (US)

QUALITY
38
CHECKED

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 25

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

HOLDING: CHANGED PAT 2 LEG LENGTH TIME FROM 1 - 1 1/2 TO 1.

FIX USE: REMOVED (ALT MISS) FROM KEAU ILS OR LOC RWY 22. REMOVED KLUM RNAV (GPS) RWY 27. REMOVED KMSP WILDD STAR. ADDED KLSE ILS OR LOC RWY 18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: BARRY SMITH

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: *Digitally signed by*

DAVID DANNER

Dec 27, 2019

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZMP

ATC FACILITY: MINNEAPOLIS APP CON, EAU ATCT

OTHER:

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RADIO FIX AND HOLDING DATA RECORD

NAME: HOMLO

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 453442.84N/0912733.15W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	EAU CLAIRE	EAU	VORTAC	L	357.14	001.14	40.87	40.87		5200	17500
2	SIREN	RZN	VOR/DME	L	108.33	110.33	41.14	41.14		5200	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
EAU	VORTAC	R-357	41	5200	17500
RZN	VOR/DME	R-108	42	5200	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V345	1, 2				

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

REMOVED IAP RNAV (GPS) RWY 19 KRPD FROM FIX USE.
REMOVED IAP FROM REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

DAVID DANNER

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY:
OTHER:

Dec 27, 2019

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RADIO FIX AND HOLDING DATA RECORD

NAME: THATS **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5
LATITUDE/LONGITUDE: 450623.02N/0912821.68W **TYPE:** INT, DME
AIRSPACE DOCKET: 19-AGL-7 **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	GOPHER	GEP	VORTAC	H	085.00	091.00	80.77	80.77	8000	45000
2	EAU CLAIRE	EAU	VORTAC	H	357.14	001.14		12.53	5200	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GEP	VORTAC	R-085	81	8000	15400

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:

GOPHER (FAC 1) AND EAU CLAIRE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	AGUDE	1, 2		KCFE	BUFFALO	MN (US)
STAR	AGUDE	1, 2		KFBL	FARIBAULT	MN (US)
STAR	AGUDE	1, 2		KGYL	GLENCOE	MN (US)
STAR	AGUDE	1, 2		KMGG	MAPLE LAKE	MN (US)
STAR	AGUDE	1, 2		KANE	MINNEAPOLIS	MN (US)
STAR	AGUDE	1, 2		KFCM	MINNEAPOLIS	MN (US)
STAR	AGUDE	1, 2		KLVN	MINNEAPOLIS	MN (US)
STAR	AGUDE	1, 2		KMIC	MINNEAPOLIS	MN (US)
STAR	AGUDE	1, 2		KSGS	SOUTH ST PAUL	MN (US)
STAR	AGUDE	1, 2		K21D	ST PAUL	MN (US)
STAR	AGUDE	1, 2		KSTP	ST PAUL	MN (US)
STAR	AGUDE	1, 2		KRNH	NEW RICHMOND	WI (US)
STAR	AGUDE	1, 2		KOEO	OSCEOLA	WI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 19-AGL-7.
 FIX MAKE-UP FACILITIES: CHANGED FAC 1 (GEP) MRA FROM 5200 TO 8000-TO MATCH ESV.
 ESV: CHANGED (GEP) VORTAC MIN ALT FROM 5200 TO 8000 - FLT CHECKED ALT.
 FIX USE: REMOVED V345.
 REQUIRED CHARTING: ADDED CONTROLLER LOW/HIGH.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A422	NAME: BARRY SMITH
APPROVED BY:	DATE:	OFFICE: AJV-A420	NAME: MARLON ROBINSON
	SIGNATURE:	<i>Digitally signed by</i> DAVID DANNER	
DISTRIBUTION:	NFDC FPO: CEN ARTCC: ZMP ATC FACILITY: MINNEAPOLIS APP CON OTHER:	Dec 27, 2019	

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