

RADIO FIX AND HOLDING DATA RECORD

NAME: CHURP **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5

LATITUDE/LONGITUDE: 444254.82N/0885648.69W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: 22-AGL-5 **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	OSHKOSH	OSH	VORTAC	VL	336.98	338.98	46.63	46.63	4500	17500
2	GREEN BAY	GRB	VORTAC	H	285.86	286.86	33.62	33.62	7000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
OSH	VORTAC	R-337	47	3000	5800

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

REMARKS:

OSHKOSH (FAC 1) AND GREEN BAY (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T464					(US)
EN ROUTE	V191	1, 2				(US)
IAP	RNAV (GPS) RWY 22			KCLI	CLINTONVILLE	WI (US)
IAP	RNAV (GPS) RWY 31			KAUW	WAUSAU	WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 12/29/2022

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED "22-AGL-5"
 FIX MAKE-UP FACILITIES: FAC 1, OSHKOSH VORTAC, CLASS CHANGED FROM "H" TO "VL"
 EXPANDED SERVICE VOLUME: OSH MAX ALTITUDE CHANGED FROM "17500" TO "5800"
 FIX USE: REMOVED V26 AND ADDED T464

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A421 **NAME:** COLIN CAMPBELL

APPROVED BY: **DATE:** 12/29/2022 **OFFICE:** AJV-A420 **NAME:** MARLON ROBINSON

SIGNATURE: Digitally signed by
ALLAN WILL
 Aug 30, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CRUMS

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 450941.67N/0885349.12W

TYPE: INT, DME

AIRSPACE DOCKET: 22-AGL-5

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	RHINELANDER	RHI	VOR/DME	L	137.88	139.88	36.95	36.95		3600	17500
2	WAUSAU	AUW	VOR/DME	L	055.00	057.00		34.91		3600	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

RHINELANDER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V217	1, 2				(US)

REQUIRED CHARTING: EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 09/10/2020

REASON FOR REVISION:

1. FIX MAKE-UP: CHANGED FAC AUW FROM VORTAC TO VOR/DME - TACR PROJECT.
2. FIX MAKE-UP: CHANGED FAC RHI TO FAC 1 AND FAC AUW TO FAC 2.
3. CHARTING: ADDED CONTROLLER LOW.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: TARA MARTINELLI

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 03, 2022

DISTRIBUTION:

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

QUALITY
32
CHECKED

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: 22-AGL-5 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	VL							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	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.
 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	V78					(US)
IAP	RNAV (GPS) RWY 26			3T3	BOYCEVILLE	WI (US)
IAP	RNAV (GPS) RWY 35			Y23	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	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			21D	ST PAUL	MN (US)
STAR	AGUDE			KSTP	ST PAUL	MN (US)
STAR	AGUDE			KRNH	NEW RICHMOND	WI (US)
STAR	AGUDE			KOEO	OSCEOLA	WI (US)

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

COMPULSORY REPORTING POINT: NO

QUALITY
32
CHECKED

RECORD REVISION NUMBER: 27

DATE OF REVISION: 12/29/2022

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED "22-AGL-5"

CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 AIRSPEED 310 AND PAT 2 OBSTRUCTION COORDINATES FROM

"444760.00N/0912757.00W" TO "444800.00N/0912757.00W"

REMARKS: REMOVED "ESV FOR R-123 AVAILABLE TO 82 NM, 45000 MAA"

FIX USE: REMOVED V55

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A421

NAME: COLIN CAMPBELL**APPROVED BY:****DATE:** 12/29/2022**OFFICE:** AJV-A420**NAME:** MARLON ROBINSON**SIGNATURE:***Digitally signed by***ALLAN WILL**

Aug 03, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EDGRR

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445131.83N/0895643.06W

TYPE: WP

AIRSPACE DOCKET: 22-AGL-5

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T464					(US)
IAP	RNAV (GPS) RWY 16			KMFI	MARSHFIELD	WI (US)
IAP	RNAV (GPS) RWY 17			KCWA	MOSINEE	WI (US)
IAP	RNAV (GPS) RWY 35			KCWA	MOSINEE	WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 12/29/2022

REASON FOR REVISION:

FIX TYPE: REMOVED "DME"

AIRSPACE DOCKET: ADDED "22-AGL-5"

FIX MAKE-UP FACILITIES: REMOVED FAC 1, EAU CLAIRE VORTAC

REMARKS: REMOVED "EAU CLAIRE (FAC 1) USED TO ESTABLISH FIX COORDINATES"

EXPANDED SERVICE VOLUME: REMOVED EAU VORTAC

FIX USE: REMOVED V26 AND ADDED T464

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

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ALLAN WILL

Aug 03, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MAXMA

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445209.40N/0901714.21W

TYPE: WP, RADAR

AIRSPACE DOCKET: 22-AGL-5

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX TO REMAIN PUBLISHED ON LOW CHART PER ATC.

FIX USE:

USE TYPE

IAP
IAP

USE TITLE

ILS OR LOC RWY 8
RNAV (GPS) RWY 8

FAC

PAT

AIRPORT IDENT

KCWA
KCWA

CITY

MOSINEE
MOSINEE

STATE

WI (US)
WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 12/29/2022

REASON FOR REVISION:

FIX TYPE: REMOVED "DME"

AIRSPACE DOCKET: ADDED "22-AGL-5"

FIX MAKE-UP FACILITIES: REMOVED FAC 1, EAU CLAIRE VORTAC

REMARKS: ADDED "FIX TO REMAIN PUBLISHED ON LOW CHART PER ATC"

EXPANDED SERVICE VOLUME: REMOVED EAU VORTAC

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 03, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: USERS

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 450953.95N/0891141.21W

TYPE: WP, DME

AIRSPACE DOCKET: 22-AGL-5

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	RHINELANDER	RHI	VOR/DME	L	156.34	158.34	30.25	30.25		4500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V191	1		KCWA	MOSINEE	(US)
IAP	RNAV (GPS) RWY 26					WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 12/29/2022

REASON FOR REVISION:

FIX TYPE: REMOVED "INT"

AIRSPACE DOCKET: ADDED "22-AGL-5"

FIX MAKE-UP FACILITIES: REMOVED FAC 2, WAUSAU VOR/DME

REMARKS: REMOVED "RHINELANDER (FAC 1) AND WAUSAU (FAC 2) USED TO ESTABLISH FIX COORDINATES"

FIX USE: REMOVED FAC 2 FROM V191

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 03, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VIYUR

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445327.96N/0910901.54W

TYPE: DME

AIRSPACE DOCKET: 22-AGL-5

FIX TYPE OF ACTION: MODIFY

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	VL	087.50	091.50	14.00	14.00		2900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX TO REMAIN PUBLISHED ON LOW CHART PER ATC.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC BC RWY 4	1		KEAU	EAU CLAIRE	WI (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 12/29/2022

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED "22-AGL-5"

FIX MAKE-UP FACILITIES: FAC 1, EAU CLAIRE VORTAC, CLASS CHANGED FROM "L" TO "VL"

REMARKS: ADDED "FIX TO REMAIN PUBLISHED ON LOW CHART PER ATC"

FIX USE: REMOVED "V26"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE: Digitally signed by

ALLAN WILL

Aug 03, 2022

QUALITY
32
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOVET

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 443757.85N/0883321.36W

TYPE: WP

AIRSPACE DOCKET: 22-AGL-5

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 18

FAC

PAT

AIRPORT IDENT
KGRB

CITY
GREEN BAY

STATE
WI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 12/29/2022

REASON FOR REVISION:

FIX TYPE: REMOVED "DME" AND "INT"

AIRSPACE DOCKET: ADDED "22-AGL-5"

FIX MAKE-UP FACILITIES: REMOVED FAC 1, GREEN BAY VORTAC AND FAC 2, OSHKOSH VORTAC

REMARKS: REMOVED "GREEN BAY (FAC 1) AND OSHKOSH (FAC 2) USED TO ESTABLISH FIX COORDINATES"

FIX USE: REMOVED "V26" AND "KPCZ RNAV (GPS) RWY 28"

REQUIRED CHARTING: REMOVED "EN ROUTE LOW" AND "CONTROLLER"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: COLIN CAMPBELL

APPROVED BY:

DATE: 12/29/2022

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

Digitally signed by

ALLAN WILL

Aug 03, 2022

QUALITY
32
CHECKED