

RADIO FIX AND HOLDING DATA RECORD

NAME: ALMAY **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 440330.87N/0933506.10W **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	ROCHESTER	RST	VOR/DME	L	286.45	291.45	45.93	45.93	3400	17500
2	GOPHER	GEP	VORTAC	VH	182.00	188.00		65.86	5000	17500
3	HALFWAY	FOW	VOR/DME	T	224.72	226.72	12.75	12.75	3400	12000
4	MASON CITY	MCW	VOR/DME	VH	343.19	349.19		58.88	4600	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RST	VOR/DME	R-286	46	3400	17500
GEP	VORTAC	R-182	66	5000	17500
MCW	VOR/DME	R-343	59	4600	15800

FIX RESTRICTIONS:

MRA V505 5000

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

REMARKS:

ROCHESTER (FAC 1) AND GOPHER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V24	1, 2, 3				(US)
EN ROUTE	V398	1, 2, 3				(US)
EN ROUTE	V505	1, 2, 3, 4				(US)
IAP	RNAV (GPS) RWY 17			KAEL	ALBERT LEA	MN (US)
IAP	RNAV (GPS) RWY 16			KTOB	DODGE CENTER	MN (US)
IAP	RNAV (GPS) RWY 34			KTOB	DODGE CENTER	MN (US)
IAP	RNAV (GPS) RWY 12			KFBL	FARIBAULT	MN (US)
IAP	VOR RWY 12	1, 3		OWA	OWATONNA	MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: FAC 2 AND FAC 4 CLASS CHANGED FROM "H" TO "VH".
FIX USE: REMOVED VOR RWY 17 AND VOR RWY 35 AT KAEL.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** TIMOTHY JOHNSON
APPROVED BY: **DATE:** 04/09/2026 **OFFICE:** AJV-A431 **NAME:** CASEY HILL

SIGNATURE:

Digitally signed by
CASEY D HILL
Feb 09, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: CIBAY **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3
LATITUDE/LONGITUDE: 435150.70N/0932350.08W **TYPE:** 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	ALBERT LEA	AEL	VOR/DME	T	353.00	354.00	11.00	11.00		2900	12000

HOLDING: **HOLDING TYPE OF ACTION:**

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 17	1		KAEL	ALBERT LEA	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/26/2020

REASON FOR REVISION:

DELETED INT FROM FIX TYPE.
DELETED JAY VOR/DME FROM FIX MAKE-UP FACILITIES.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: MICHAEL CURRAN
APPROVED BY:	DATE: 04/09/2026	OFFICE: AJV-A431	NAME: CASEY HILL
	SIGNATURE:		<i>Digitally signed by</i> CASEY D HILL Feb 09, 2026

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: RST APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: GOTHE **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 433247.94N/0931713.84W **TYPE:** 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	MASON CITY	MCW	VOR/DME	VH	357.93	003.93	27.17	27.17		3000	17500
2	ROCHESTER	RST	VOR/DME	DH	240.00	245.00		33.23		3000	17500

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

REMARKS:

MASON CITY (FAC 1) AND ROCHESTER (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V13	1, 2		AEL	ALBERT LEA	(US)
IAP	RNAV (GPS) RWY 35					MN (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 05/14/2026

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: FAC 1 CLASS CHANGED FROM "H" TO "VH".
FIX USE: REMOVED VOR RWY 17 AT Kael.

02/24/26: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/09/26.
1. CHANGED CONTROLLER TO CONTROLLER LOW IN REQUIRED CHARTING.
2. FAC 2 ADDED DH TO CLASS.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: TIMOTHY JOHNSON
APPROVED BY:	DATE: 04/09/2026	OFFICE: AJV-A431	NAME: CASEY HILL
	SIGNATURE:		

Digitally signed by
CASEY D HILL
Feb 24, 2026



RADIO FIX AND HOLDING DATA RECORD

NAME: GROVY STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 434552.64N/0932257.99W TYPE: 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		MRA	MAA
								NM	FEET		
1	ALBERT LEA	AEL	VOR/DME	T	353.00	354.00	5.00	5.00	30381	2900	12000

HOLDING: HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 17	1		KAEL	ALBERT LEA	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 DATE OF REVISION: 03/26/2020

REASON FOR REVISION:

DELETED INT FROM FIX TYPE.
DELETED JAY VOR/DME FROM FIX MAKE-UP FACILITIES.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: MICHAEL CURRAN

APPROVED BY: DATE: 04/09/2026 OFFICE: AJV-A431 NAME: CASEY HILL *Digitally signed by*

SIGNATURE: **CASEY D HILL**

Feb 09, 2026

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: RST APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: JULBU STATE: MN COUNTRY: US ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 434115.55N/0932217.80W TYPE: 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	ALBERT LEA	AEL	VOR/DME	T	353.01	354.01	0.36	0.36		1640	12000

HOLDING: HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR RWY 17	1		KAEL	ALBERT LEA	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 10/20/2011

INITIATED BY: DATE: ORGANIZATION: NAME:

DEVELOPED BY: DATE: 04/19/2011 OFFICE: AJV-353 NAME: THOMAS KIRKPATRICK

APPROVED BY: DATE: 04/09/2026 OFFICE: AJV-A431 NAME: CASEY HILL

SIGNATURE:

Digitally signed by

CASEY D HILL

Feb 09, 2026

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZMP
ATC FACILITY: RST APP CON
OTHER:

QUALITY
10
CHECKED

