

RADIO FIX AND HOLDING DATA RECORD

NAME: AROND

STATE: MI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 455937.00N/0863009.00W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: CUSAY

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 460107.84N/0912647.14W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
DP
DP
DP
EN ROUTE

USE TITLE
NRTN (RNAV)
NRTN (RNAV)
NRTN (RNAV)
NRTN (RNAV)
T464

FAC

PAT

AIRPORT IDENT
ANE
FCM
MSP
STP

CITY
MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE
MN (US)
MN (US)
MN (US)
MN (US)
(US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX USE: ADDED KANE/KFCM/KMSP/KSTP NRTN (RNAV) DP.
2. CHARTING: ADDED "DP."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
8
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DWIYT

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 451812.16N/0921715.24W

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
DP	NRTHN (RNAV)			ANE	MINNEAPOLIS	MN (US)
DP	NRTHN (RNAV)			FCM	MINNEAPOLIS	MN (US)
DP	NRTHN (RNAV)			MSP	MINNEAPOLIS	MN (US)
DP	NRTHN (RNAV)			STP	ST PAUL	MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: REMOVED GEP VORTAC.
2. FIX USE: REMOVED KANE/KFCM/KMSP/KSTP WLSTN (RNAV) DP
3. FIX USE: ADDED KANE/KFCM/KMSP/KSTP NRTHN (RNAV) DP.
4. CHARTING: REMOVED "CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH."
5. ESV: REMOVED GEP VORTAC ESV.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: ENNDD

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 460224.62N/0892242.53W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: NRTHN

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 451149.83N/0925128.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
8
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PIIKE

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 451506.76N/0923902.89W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: PRRCH

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 451914.28N/0924532.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: SIEDL

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450610.43N/0930142.67W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: TTOWN

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 445931.24N/0865513.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: TYTEL

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 451759.71N/0892242.53W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
8
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WAHLI

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 452949.55N/0922559.12W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/29/2026

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:



RADIO FIX AND HOLDING DATA RECORD

NAME: WLSTN

STATE: WI

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 452826.44N/0910055.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

DP
DP
DP
DP

USE TITLE

NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)
NRTHN (RNAV)

FAC

PAT

AIRPORT IDENT

ANE
FCM
MSP
STP

CITY

MINNEAPOLIS
MINNEAPOLIS
MINNEAPOLIS
ST PAUL

STATE

MN (US)
MN (US)
MN (US)
MN (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/29/2026

REASON FOR REVISION:

1. TYPE: UPDATED FROM "DME" TO "WP."
2. FIX MAKE-UP FACILITES: REMOVED GEP VORTAC AND AND GRB VORTAC.
3. ESV: REMOVED GRB AND GEP ESVS.
4. FIX USE: UPDATED KANE/KFCM/KMSP/KSTP DP "WLSTN" TO "NRTHN (RNAV)."
5. CHARTING: REMOVED "CONTROLLER" AND "CONTROLLER LOW."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: JUDITH TUTTLE

APPROVED BY:

DATE: 09/24/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

