



## RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 464440.00N/0921748.00W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH

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

<b>FIX USE:</b>		<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b>	<b>USE TITLE</b>					
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/05/2015

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 08/18/2014	<b>OFFICE:</b> AJV-353	<b>NAME:</b> THOMAS KIRKPATRICK
<b>APPROVED BY:</b>	<b>DATE:</b> 02/27/2015	<b>OFFICE:</b> AJV-353	<b>NAME:</b> GEORGE GONZALEZ

**SIGNATURE:**

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

## RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 463202.00N/0940752.00W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH

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

<b>FIX USE:</b>						
<b>USE TYPE</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/05/2015

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 08/18/2014	<b>OFFICE:</b> AJV-353	<b>NAME:</b> THOMAS KIRKPATRICK
<b>APPROVED BY:</b>	<b>DATE:</b> 02/27/2015	<b>OFFICE:</b> AJV-353	<b>NAME:</b> GEORGE GONZALEZ

**SIGNATURE:**

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



EN ROUTE	V148				(US)
EN ROUTE	V161				(US)
EN ROUTE	V2				(US)
EN ROUTE	V218				(US)
EN ROUTE	V413				(US)
EN ROUTE	V505				(US)
EN ROUTE	V510				(US)
EN ROUTE	V78				(US)
EN ROUTE	V82				(US)
EN ROUTE	V97				(US)
IAP	VOR -A		KCFE	BUFFALO	MN (US)
IAP	RNAV (GPS) RWY 34		KCBG	CAMBRIDGE	MN (US)
IAP	ILS OR LOC RWY 27	2	KANE	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 18		KANE	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 27	5	KANE	MINNEAPOLIS	MN (US)
IAP	VOR RWY 9	2	KANE	MINNEAPOLIS	MN (US)
IAP	COPTER ILS OR LOC RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 10L		KFCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	VOR RWY 10R		KFCM	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30		KLVN	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 14	4	KMIC	MINNEAPOLIS	MN (US)
IAP	ILS RWY 35 (CAT II/III)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 35 (SA CAT I)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 12L (ALT MA)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30L		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 30R	1	KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT II) (ALT MA)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (CAT III) (ALT MA)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 12L (SA CAT I) (ALT MA)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS RWY 30L (CAT II)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS V RWY 35 (CONVERGING)		KMSP	MINNEAPOLIS	MN (US)
IAP	ILS Z OR LOC RWY 35		KMSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 17		KMSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 22		KMSP	MINNEAPOLIS	MN (US)
IAP	LOC RWY 4	1	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 4	3	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 30R	3	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) Z RWY 35	3	KMSP	MINNEAPOLIS	MN (US)
IAP	RNAV (RNP) Y RWY 30R	3	KMSP	MINNEAPOLIS	MN (US)
IAP	ILS OR LOC RWY 9		KRGK	RED WING	MN (US)
IAP	LOC RWY 34		KSGS	SOUTH ST PAUL	MN (US)
IAP	ILS OR LOC RWY 31		KSTC	ST CLOUD	MN (US)
IAP	VOR RWY 31		KSTC	ST CLOUD	MN (US)
IAP	ILS OR LOC RWY 14		KSTP	ST PAUL	MN (US)
IAP	ILS OR LOC RWY 32		KSTP	ST PAUL	MN (US)
IAP	RNAV (GPS) RWY 14		KSTP	ST PAUL	MN (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	ENCEE (RNAV)		KANE	MINNEAPOLIS	MN (US)
STAR	GOPHER		KANE	MINNEAPOLIS	MN (US)
STAR	TWOLF		KANE	MINNEAPOLIS	MN (US)
STAR	AGUDE		KFCM	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KFCM	MINNEAPOLIS	MN (US)
STAR	GOPHER		KFCM	MINNEAPOLIS	MN (US)
STAR	TWOLF		KFCM	MINNEAPOLIS	MN (US)
STAR	AGUDE		KLVN	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KLVN	MINNEAPOLIS	MN (US)
STAR	GOPHER		KLVN	MINNEAPOLIS	MN (US)
STAR	TWOLF		KLVN	MINNEAPOLIS	MN (US)
STAR	AGUDE		KMIC	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)		KMIC	MINNEAPOLIS	MN (US)
STAR	GOPHER		KMIC	MINNEAPOLIS	MN (US)
STAR	TWOLF		KMIC	MINNEAPOLIS	MN (US)
STAR	BAINY (RNAV)		KMSP	MINNEAPOLIS	MN (US)
STAR	EAU CLAIRE		KMSP	MINNEAPOLIS	MN (US)
STAR	GOPHER		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	ENCEE (RNAV)		KSTP	ST PAUL	MN (US)
STAR	GOPHER		KSTP	ST PAUL	MN (US)
STAR	TWOLF		KSTP	ST PAUL	MN (US)
STAR	AGUDE		KRNH	NEW RICHMOND	WI (US)
STAR	TWOLF		KRNH	NEW RICHMOND	WI (US)
STAR	AGUDE		KOEO	OSCEOLA	WI (US)
STAR	TWOLF		KOEO	OSCEOLA	WI (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, AREA, EN ROUTE LOW, EN ROUTE HIGH, SPECIAL IAP, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 33

**DATE OF REVISION:** 12/26/2024

**REASON FOR REVISION:**

FIX USE: REMOVED DP DES MOINES AT KDSM.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** RICHARD CHRISTENSEN

**APPROVED BY:**

**DATE:** 12/26/2024

**OFFICE:** AJV-A431

**NAME:** ERIC N SUSKI

**SIGNATURE:**

## RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 460911.00N/0921122.00W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** MODIFY

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

**REMARKS:**  
NAME CHANGED FROM HOKKY TO HHOGS

<b>FIX USE:</b>						
<b>USE TYPE</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 01/05/2017

**REASON FOR REVISION:**  
NAME CHANGED, SHOWN IN REMARKS.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	DATE: 08/25/2016	<b>OFFICE:</b> AJV-5431	<b>NAME:</b> DAVID DOWLING
<b>APPROVED BY:</b>	DATE: 11/08/2016	<b>OFFICE:</b> AJV-5420	<b>NAME:</b> TONY LAWSON

**SIGNATURE:**

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



## RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 453504.41N/0933632.48W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH

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

<b>FIX USE:</b>						
<b>USE TYPE</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/05/2015

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	DATE: 08/18/2014	OFFICE: AJV-353	NAME: THOMAS KIRKPATRICK
<b>APPROVED BY:</b>	DATE: 02/27/2015	OFFICE: AJV-353	NAME: GEORGE GONZALEZ

**SIGNATURE:**

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



**RADIO FIX AND HOLDING DATA RECORD****NAME:** PRRPL **STATE:** MN **COUNTRY:** US **ICAO REGION CODE:** K3**LATITUDE/LONGITUDE:** 450308.48N/0931853.06W **TYPE:** WP**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH**HOLDING:** **HOLDING TYPE OF ACTION:**

<b>FIX USE:</b>						
<b>USE TYPE</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

**REQUIRED CHARTING:** STAR**COMPULSORY REPORTING POINT:** NO**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/05/2015**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:****DEVELOPED BY:** **DATE:** 08/18/2014 **OFFICE:** AJV-353 **NAME:** THOMAS KIRKPATRICK**APPROVED BY:** **DATE:** 02/27/2015 **OFFICE:** AJV-353 **NAME:** GEORGE GONZALEZ**SIGNATURE:**
**DISTRIBUTION:**

- NFDC
- FPO: CEN
- ARTCC: ZMP
- ATC FACILITY: MSP APP CON
- OTHER:







## RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 460651.75N/0944816.86W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** ESTABLISH

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

<b>FIX USE:</b>						
<b>USE TYPE</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
STAR	BAINY (RNAV)			KMSP	MINNEAPOLIS	MN (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 03/05/2015

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	DATE: 08/18/2014	OFFICE: AJV-353	NAME: THOMAS KIRKPATRICK
<b>APPROVED BY:</b>	DATE: 02/27/2015	OFFICE: AJV-353	NAME: GEORGE GONZALEZ

**SIGNATURE:**

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