

RADIO FIX AND HOLDING DATA RECORD

NAME: AKIRE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445203.86N/0941736.95W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	NW		WP	303.43	123.43	R	4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001989)	445552.00N/0942056.00W	1419	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KGYL	GLENCOE	MN (US)
IAP	RNAV (GPS) RWY 31		1	KGYL	GLENCOE	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/28/2015

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/19/2014

OFFICE: AJV-353

NAME: DEANNA FIELDS

APPROVED BY:

DATE: 04/17/2015

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BOUGH

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 444827.12N/0941044.86W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 13

FAC

PAT

AIRPORT IDENT
KGYL

CITY
GLENCOE

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

UPDATED L/L FROM 444827.118N/0941044.865W TO 444827.122N/0941044.861W, FIX MOVED 0.496988 FT NORTHEAST TO PFAF LOCATION PER IAP CHECKLIST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 09/01/2017

OFFICE: AJV-5421

NAME: JOHN HAZELTON

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: DARWIN VORTAC

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 450514.87N/0942713.86W

TYPE:

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 FEET	MRA	MAA
1	DARWIN	DWN	VORTAC	L						17500

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

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	E	DWN	VORTAC	097.00	277.00	R	1	2800 6000	4 5
2	E		WP	097.00	277.00	R	4	2800 6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-001500)	450551.84N/0942014.99W	1488	2C
2	200	TOWER (27-000562)	450702.00N/0943311.00W	1507	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

HOLDING PAT 2 WAS REQUESTED BY ATC.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: 7E 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DARWIN			KANE	MINNEAPOLIS	MN (US)
DP	KBREW			KANE	MINNEAPOLIS	MN (US)
DP	DARWIN			KFCM	MINNEAPOLIS	MN (US)
DP	KBREW			KFCM	MINNEAPOLIS	MN (US)
DP	DARWIN			KMSP	MINNEAPOLIS	MN (US)
DP	KBREW			KMSP	MINNEAPOLIS	MN (US)
DP	DARWIN			KSTP	ST PAUL	MN (US)
DP	KBREW			KSTP	ST PAUL	MN (US)
EN ROUTE	V171					(US)
EN ROUTE	V78					(US)
IAP	RNAV (GPS) RWY 13			KGYL	GLENCOE	MN (US)
IAP	RNAV (GPS) RWY 31			KGYL	GLENCOE	MN (US)
IAP	VOR-A		1	KLJF	LITCHFIELD	MN (US)
IAP	RNAV (GPS) RWY 32			D39	SAUK CENTRE	MN (US)

REQUIRED CHARTING: SECTIONAL, DP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 24

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

REMOVED FIX USE: KHCD VOR RWY 33; KSTC ILS OR LOC/DME RWY 13, RNAV (GPS) RWY 13, RNAV (GPS) RWY 31, RNAV (GPS) RWY 5.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME:

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Feb 01, 2024

RADIO FIX AND HOLDING DATA RECORD

NAME: ERUDE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 444635.64N/0940713.41W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 13

FAC

PAT

AIRPORT IDENT
KGYL

CITY
GLENCOE

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/28/2015

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/22/2014

OFFICE: AJV-353

NAME: DEANNA FIELDS

APPROVED BY:

DATE: 04/17/2015

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

DISTRIBUTION:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HAJIS

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 444232.22N/0943056.63W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 13

FAC

PAT

AIRPORT IDENT
KGYL

CITY
GLENCOE

STATE
MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 05/28/2015

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/19/2014

OFFICE: AJV-353

NAME: DEANNA FIELDS

APPROVED BY:

DATE: 04/17/2015

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

SIGNATURE:

DISTRIBUTION:

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ATC FACILITY: MSP APP CON
OTHER:

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Feb 01, 2024

RADIO FIX AND HOLDING DATA RECORD

NAME: MAYER

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 445504.77N/0935829.08W

TYPE: WP, DME

AIRSPACE DOCKET: 23-AGL-18

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	GOPHER	GEP	VORTAC	H	236.12	242.12	29.01	29.01		2900	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V148	1				(US)
IAP	RNAV (GPS) RWY 36			KCFE	BUFFALO	MN (US)
IAP	RNAV (GPS) RWY 13			KGYL	GLENCOE	MN (US)
IAP	RNAV (GPS) RWY 31			KLJF	LITCHFIELD	MN (US)
IAP	RNAV (GPS) RWY 10L			KFCM	MINNEAPOLIS	MN (US)
IAP	RNAV (GPS) RWY 10R			KFCM	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			KANE	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			KFCM	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			KLVN	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			KMIC	MINNEAPOLIS	MN (US)
STAR	ENCEE (RNAV)			KSTP	ST PAUL	MN (US)

REQUIRED CHARTING: STAR, IAP, AREA, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 05/16/2024

REASON FOR REVISION:

TYPE: REMOVED INT

AIRSPACE DOCKET: ADDED 23-AGL-18

FIX MAKE-UP FACILITIES: REMOVED FAC 2 DARWIN (DWN) VORTAC

REMARKS: REMOVED GOPHER (FAC 1) AND DARWIN (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE: REMOVED V171, REMOVED FAC 2 DARWIN (DWN) VORTAC FROM V148

REQUIRED CHARTING: CHANGED "CONTROLLER" TO "CONTROLLER LOW"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: GALE SHELTON

APPROVED BY:

DATE: 05/16/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

CASIMIR L TABAKA

Feb 01, 2024

RADIO FIX AND HOLDING DATA RECORD

NAME: OYITE

STATE: MN

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 443838.13N/0935212.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	SE		WP	123.70	303.70	R	4	3000	6000	5 6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (27-000686)	443654.00N/0934220.00W	1307	5E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 13		1	KGYL	GLENCOE	MN (US)
IAP	RNAV (GPS) RWY 31		1	KGYL	GLENCOE	MN (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/28/2015

REASON FOR REVISION:

LAT/LONG CHANGED FROM 443800.01N/0935257.82W TO 443838.13N/0935212.36W. FIX MOVED 5070 FT NE.

DELETED FAC 1.

PAT 1: RAD/CRS/BRG CHANGED FROM 127.99 TO 126.70. CRS INBOUND CHANGED FROM 307.99 TO 306.70. MIN HOLDING ALTITUDE CHANGED FROM 2600 TO 3000.

REMARKS ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED.

REMARKS DELETED HOLDING LIMITED TO ESTABLISHED PATTERN.

HOLDING RESTRICTIONS: ADDED HOLDING LIMITED TO ESTABLISHED PATTERN.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/19/2014

OFFICE: AJV-353

NAME: DEANNA FIELDS

APPROVED BY:

DATE: 04/17/2015

OFFICE: AJV-353

NAME: GEORGE GONZALEZ

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OTHER: