

# RADIO FIX AND HOLDING DATA RECORD

NAME: ALPNE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392648.65N/1044317.95W

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**

IAP

ILS OR LOC RWY 34L

KDEN

DENVER

CO (US)

IAP

ILS RWY 34L (CAT II/CAT III)

KDEN

DENVER

CO (US)

IAP

ILS RWY 34L (SA CAT I)

KDEN

DENVER

CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 03/19/2026

**REASON FOR REVISION:**

LATITUDE/LONGITUDE CHANGED FROM 392717.44N/1044323.73W TO 392648.6542N/1044317.9545W MOVED 0.48 NM SOUTH

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 14, 2026



# RADIO FIX AND HOLDING DATA RECORD

NAME: COGGG STATE: CO COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392905.75N/1044202.90W TYPE: WP, RADAR, 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	FEET	MRA	MAA
1	DENVER	I-DXU	LOC/DME		172.51	180.51	24.81	24.80		10000	12000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DXU	LOC/DME	R-173	25	10000	12000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34L	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (CAT II/CAT III)	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (SA CAT I)	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34L			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34L			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

FIX USE ADDED RNAV (GPS) Y RWY 34L, RNAV (RNP) Z RWY 34L @ KDEN

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 NAME: JOSHUA DUGAN

APPROVED BY: DATE: 10/23/2025 OFFICE: AJV-A433 NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by  
**ROBERT G HAMILTON**  
Jan 14, 2026

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HYGEN STATE: CO COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 400903.89N/1051057.91W 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 FEET	MRA	MAA
1	GILL	GLL	VOR/DME	VH	221.00	234.00	35.81	35.81	9400	17500
2	FALCON	FQF	VORTAC	VH	306.00	317.00	37.90	37.90	9400	17500
3	DENVER	DEN	VOR/DME	H	302.00	310.00	31.49	31.49	9400	17500
4	KREMMLING	RLG	VOR/DME	VH	066.87	080.87	58.70	58.70	17000	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
RLG	VOR/DME	R-067	59	17000	18000

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		TEMPLATES	
								MIN	MAX	MIN	MAX
1	SE	FQF	VORTAC	306.00	306.00	R	1	10000	14000	11	12
2	SE		WP	128.00	308.00	R		10300	14000	10	11
3	SE	DEN	VOR/DME	302.30	302.30	R	1	10400	14000	11	12
4	SE		WP	129.00	309.00	R		9100	14000	10	11
5	SE	FQF	VORTAC	306.00	306.00	R	1	9200	14000	11	12
6	SE	DEN	VOR/DME	302.30	302.30	R	1	9200	14000	11	12

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	400824.00N/1052103.00W	8780	4E
1	310	AAO	400821.00N/1052415.00W	8846	4E
2	230	AAO	400824.00N/1052103.00W	8780	4E
2	310	AAO	400813.20N/1052117.30W	8788	6C
3	230	AAO	400824.00N/1052103.00W	8780	4E
3	310	AAO	401732.48N/1052445.22W	9490	3A
4	230	TERRAIN	400827.00N/1052103.00W	8793	4B
5	230	TERRAIN	400827.00N/1052103.00W	8793	4B
6	230	TERRAIN	400824.00N/1052102.00W	8788	2C

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	310	267
1	230	86
2	310	350
3	230	97
3	310	298
4	230	220
5	230	220
6	230	220

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

GILL (FAC 1) AND FALCON (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 PAT 1 CONTROLLING OBSTRUCTION (230 KIAS) 11750.28 FT INTO SECONDARY AREA (7929 EQUIV).  
 PAT 2 CONTROLLING OBSTRUCTION (230 KIAS) 11585.56 FT INTO SECONDARY AREA (7810 EQUIV).  
 PAT 3 CONTROLLING OBSTRUCTION (230 KIAS) 11789.04 FT INTO SECONDARY AREA (7956 EQUIV).  
 PAT 4 CONTROLLING OBSTRUCTION (230 KIAS) 8530.08 FT INTO SECONDARY AREA (7941 EQUIV).  
 PAT 5 CONTROLLING OBSTRUCTION (230 KIAS) 8530.08 FT INTO SECONDARY AREA (7941 EQUIV).  
 PAT 6 CONTROLLING OBSTRUCTION (230 KIAS) 7865.89 FT INTO SECONDARY AREA (7965 EQUIV).

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V220	1, 2, 3, 4				(US)
EN ROUTE	V85	1, 2, 3, 4				(US)
IAP	ILS OR LOC RWY 30R	1, 2, 3	1, 3	KBJC	DENVER	CO (US)
IAP	RNAV (GPS) RWY 30L		2	KBJC	DENVER	CO (US)
IAP	RNAV (GPS) RWY 30R		2	KBJC	DENVER	CO (US)
IAP	ILS OR LOC RWY 25	1, 2, 3	1, 6	KDEN	DENVER	CO (US)
IAP	ILS OR LOC RWY 34L	1, 2, 3	5	KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (CAT II/CAT III)	1, 2, 3	5	KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (SA CAT I)	1, 2, 3	5	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 25		4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34L		4	KDEN	DENVER	CO (US)



IAP	RNAV (RNP) Z RWY 34L	4	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) RWY 33		KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	1, 2	KBKF	AURORA	CO (US)
STAR	TOMSN	1, 2	KAPA	DENVER	CO (US)
STAR	TOMSN	1, 2	KBJC	DENVER	CO (US)
STAR	TOMSN	1, 2	KCFO	DENVER	CO (US)
STAR	TOMSN	1, 2	KDEN	DENVER	CO (US)
STAR	TOMSN	1, 2	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	1, 2	KGXY	GREELEY	CO (US)

**REQUIRED CHARTING:** SECTIONAL, STAR, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 15

**DATE OF REVISION:** 03/19/2026

**REASON FOR REVISION:**

CONTROLLING OBSTRUCTION UPDATED PAT 4 AND PAT 5

PRECIPITOUS TERRAIN ADDITIONS UPDATED PAT 4

REMARKS UPDATED PAT 4 AND PAT 5 CONTROLLING OBSTRUCTION FROM 8510.74 TO 8530.08 FROM 7938 EQUIV TO 7941 EQUIV.

FIX USE REMOVED ILS OR LOC RWY 34R, ILS RWY 34R (CAT II/CAT III), ILS RWY 34R (SA CAT I), RNAV (GPS) Y RWY 34R, RNAV (RNP) Z

RWY 34R @ KDEN REMOVED PAT 6 FROM ILS OR LOC RWY 34L

FIX USE ADDED RNAV (GPS) Y RWY 34L @ KDEN

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A433

**NAME:** JOSHUA DUGAN

**APPROVED BY:**

**DATE:** 10/23/2025

**OFFICE:** AJV-A433

**NAME:** ROBERT HAMILTON

**SIGNATURE:**

*Digitally signed by*

**ROBERT G HAMILTON**

Jan 14, 2026

QUALITY  
39  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KALHR STATE: CO COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393200.49N/1044200.90W TYPE: WP, RADAR, 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	MRA	MAA
								NM FEET		
1	DENVER	I-DXU	LOC/DME		172.51	180.51	21.90	21.89	10000	12000

### EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DXU	LOC/DME	R-173	22	10000	12000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

### REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

### FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34L	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (CAT II/CAT III)	1		KDEN	DENVER	CO (US)
IAP	ILS RWY 34L (SA CAT I)	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34L			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 34L			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 03/19/2026

### REASON FOR REVISION:

FIX USE UPDATED FROM RNAV (GPS) RWY 34L TO RNAV (GPS) Y RWY 34L @ KDEN

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A433 NAME: JOSHUA DUGAN

APPROVED BY: DATE: 10/23/2025 OFFICE: AJV-A433 NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by  
**ROBERT G HAMILTON**  
Jan 14, 2026

QUALITY  
39  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: WOGIN

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 394854.69N/1044149.24W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	DENVER	I-DXU	LOC/DME		172.51	180.51	5.01	5.00		5960	9800

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34L	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 34L			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 03/19/2026

**REASON FOR REVISION:**

FIX MAKE-UP FACILITIES UPDATED FAC 1 MRA FROM 6000 TO 5960

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Jan 14, 2026

