



STAR	TOMSN	KAPA	DENVER	CO (US)
STAR	TOMSN	KBJC	DENVER	CO (US)
STAR	TOMSN	KCFO	DENVER	CO (US)
STAR	DANDD	KDEN	DENVER	CO (US)
STAR	LANDR	KDEN	DENVER	CO (US)
STAR	LARKS	KDEN	DENVER	CO (US)
STAR	POWDR	KDEN	DENVER	CO (US)
STAR	QUAIL	KDEN	DENVER	CO (US)
STAR	RAMMS	KDEN	DENVER	CO (US)
STAR	TOMSN	KDEN	DENVER	CO (US)
STAR	TOMSN	KFNL	FORT COLLINS/LOVELAND	CO (US)
STAR	TOMSN	KGXY	GREELEY	CO (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 7

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

**REASON FOR REVISION:**

1. FIX USE REMOVED KDEN ILS OR LOC RWY 17L.
2. FIX USE REMOVED KDEN ILS OR LOC RWY 17R.
3. FIX USE REMOVED KDEN ILS OR LOC RWY 16L.
4. FIX USE REMOVED KDEN ILS OR LOC RWY 16R.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** CHARLES HIRST

**APPROVED BY:**

**DATE:** 10/23/2025

**OFFICE:** AJV-A431

**NAME:** CASEY HILL

**SIGNATURE:**

*Digitally signed by*

**CASIMIR L TABAKA**

Jan 14, 2026



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** GOLFN **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 401149.29N/1043814.01W **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	FAC FEET	MRA	MAA
1	DENVER	I-BXP	LOC/DME		352.54	000.54	19.74	22.05		9000	14000

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BXP	LOC/DME	R-353	23	9000	14000

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

**REMARKS:**

DME COORDINATES 395204.27N/1043825.19W

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17L			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17L			KDEN	DENVER	CO (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

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

**REASON FOR REVISION:**

1. FIX USE ADDED KDEN RNAV (RNP) Z RWY 17L.
2. FIX USE ADDED KDEN RNAV (GPS) Y RWY 17L.

**INITIATED BY:** **DATE:** **ORGANIZATION:** **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-A431 **NAME:** CHARLES HIRST

**APPROVED BY:** **DATE:** 10/23/2025 **OFFICE:** AJV-A431 **NAME:** CASEY HILL

**SIGNATURE:**

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**CASIMIR L TABAKA**  
Jan 14, 2026



# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 400321.33N/1043820.27W 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	FAC	MRA	MAA
								NM	FEET		
1	DENVER	I-BXP	LOC/DME		352.54	000.54	11.28	13.59		9000	11000

### EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-BXP	LOC/DME	R-353	14	9000	11000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

### REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
DME COORDINATES 395204.27N/1043825.19W

### FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17L			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:  
REQUIRED CHARTING ADDED IAP.

INITIATED BY: DATE: ORGANIZATION: NAME:  
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: CHARLES HIRST  
APPROVED BY: DATE: 10/23/2025 OFFICE: AJV-A431 NAME: CASEY HILL

SIGNATURE:  
*Digitally signed by*  
**CASIMIR L TABAKA**  
Jan 14, 2026



# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 395658.64N/1043824.96W 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	MRA	MAA
								NM FEET		
1	DENVER	I-BXP	LOC/DME		352.54	000.54	4.90	7.22 43865	7000	9800

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DME COORDINATES 395204.27N/1043825.19W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17L	1		KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17L			KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17L			KDEN	DENVER	CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

1. FIX MAKEUP FAC 1 I-BXP DIST FROM FACILITY (NM) CHANGED FROM 7.24 TO 7.22.
2. FIX MAKEUP FAC 1 I-BXP DIST FROM FACILITY (FT) CHANGED FROM 43991 TO 43865.
3. FIX MAKEUP FAC 1 I-BXP DME CHANGED FROM 4.92 TO 4.90.
4. FIX MAKEUP LAT/LONG CHANGED FROM 395659.89N/1043824.95W TO 395658.6408N/1043824.9632W, FIX RELOCATED 127 FT SOUTH.

INITIATED BY: DATE: ORGANIZATION: NAME:  
OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: CHARLES HIRST  
APPROVED BY: DATE: 10/23/2025 OFFICE: AJV-A431 NAME: CASEY HILL

SIGNATURE:

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**CASIMIR L TABAKA**  
Jan 14, 2026

QUALITY  
21  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** KLING

**STATE:** CO

**COUNTRY:** US

**ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 402025.12N/1044059.00W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP  
IAP

**USE TITLE**  
ILS OR LOC RWY 17L  
ILS OR LOC RWY 17R

**FAC PAT**

**AIRPORT IDENT**  
KDEN  
KDEN

**CITY**  
DENVER  
DENVER

**STATE**  
CO (US)  
CO (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

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

**REASON FOR REVISION:**

1. FIX LAT/LONG CHANGED FROM 402020.61N/1044055.82W TO 402025.1245N/1044058.9979W, FIX RELOCATED 519 FT NORTHWEST.
2. FIX USE ADDED KDEN ILS OR LOC RWY 17L.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** CHARLES HIRST

**APPROVED BY:**

**DATE:** 10/23/2025

**OFFICE:** AJV-A431

**NAME:** CASEY HILL

**SIGNATURE:**

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**CASIMIR L TABAKA**  
Jan 14, 2026



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** LIMEX **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 394146.55N/1035554.50W **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	136.22	149.22	56.24	56.24		7600	17500
2	AKRON	AKO	VOR/DME	VH	218.82	231.82	44.31	44.31		8500	17500
3	FALCON	FQF	VORTAC	VH	078.12	089.12	31.92	31.92		8500	17500
4	DENVER	DEN	VOR/DME	H	093.44	101.44	34.44	34.44		8500	17500
5	THURMAN	TXC	VORTAC	VL	258.02	270.02		33.20		7500	17500
6	HUGO	HGO	VOR/DME	VH	337.74	344.74		54.63		10000	17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GLL	VOR/DME	R-136		57	7600
AKO	VOR/DME	R-219		45	8500
HGO	VOR/DME	R-338		55	10000

**FIX RESTRICTIONS:**

MRA V611 10000  
MRA V148 10000  
MRA V263 10000

**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 MIN MAX	TEMPLATES MIN MAX
1	W	FQF	VORTAC	078.12	078.12	R	1	10000 14000	11 12
2	W	WP	WP	261.12	081.12	R	7	10000 14000	10 11
3	W	DEN	VOR/DME	093.44	093.44	R	1	9000 14000	11 12
4	E	WP	WP	100.57	280.57	R	7	7500 14000	9 11

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	393230.00N/1040954.00W	5883	4B
2	230	AAO	393645.00N/1041706.00W	5863	4B
3	230	AAO	393927.00N/1041742.00W	5817	4E
4	230	AAO	393700.00N/1035833.00W	5614	4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**REMARKS:**

GILL (FAC 1) AND FALCON (FAC 3) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
KCFO ILS OR LOC RWY 17 CHARTING: ALTERNATE MISSED APPROACH CHART FACILITY 2 AND 4.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V148	1, 2, 3, 5, 6				(US)
EN ROUTE	V263	1, 2, 3, 4, 5, 6				(US)
EN ROUTE	V611	1, 2, 3, 4, 5				(US)
IAP	ILS OR LOC RWY 17	2, 4, 5, 6	3	KCFO	DENVER	CO (US)
IAP	ILS OR LOC RWY 35	2, 4	3	KCFO	DENVER	CO (US)
IAP	RNAV (GPS) RWY 26		4	KCFO	DENVER	CO (US)
IAP	ILS OR LOC RWY 17L	3, 6	1	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 17L		2	KDEN	DENVER	CO (US)
IAP	RNAV (GPS) Y RWY 7		2	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 17L		2	KDEN	DENVER	CO (US)
IAP	RNAV (RNP) Z RWY 7		2	KDEN	DENVER	CO (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 12

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

**REASON FOR REVISION:**



1. FIX MAKEUP FAC 2 AKO VOR/DME CLASS CHANGED FROM H TO VH.
2. FIX MAKEUP FAC 5 TXC VORTAC CLASS CHANGED FROM L TO VL.
3. FIX USE KDEN ILS OR LOC RWY 17L REMOVED FAC 2 & FAC 4.
4. FIX USE KDEN ILS OR LOC RWY 17L REMOVED HP 3.
5. REMARKS REMOVED "KDEN ILS OR LOC RWY 17L CHARTING: ALTERNATE MISSED APPROACH CHART FACILITY 2 AND 4".
6. REMARKS REMOVED "KDEN ILS OR LOC RWY 17L CHARTING: PRIMARY MISSED APPROACH CHART FACILITY 3 AND 6".
7. CONTROLLING OBSTRUCTIONS PAT 1 CHANGED FROM "230 AAO 393548.00N/1041727.00W 5876 4E" TO "230 AAO 393230.00N/1040954.00W 5883 4B".
8. CONTROLLING OBSTRUCTIONS PAT 2 CHANGED FROM "230 AAO 393645.00N/1041706.00W 5853 4E" TO "230 AAO 393645.00N/1041706.00W 5863 4B".
9. FIX RESTRICTIONS REMOVED "MRA ALL 10000"
10. FIX RESTRICTIONS ADDED "MRA V146 10000"
11. FIX RESTRICTIONS ADDED "MRA V263 10000"
12. FIX RESTRICTIONS ADDED "MRA V611 10000"

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A431	<b>NAME:</b> CHARLES HIRST
<b>APPROVED BY:</b>	<b>DATE:</b> 10/23/2025	<b>OFFICE:</b> AJV-A431	<b>NAME:</b> CASEY HILL

**SIGNATURE:**

*Digitally signed by*  
**CASIMIR L TABAKA**  
 Jan 14, 2026

