

## 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<br>BRG | TRUE<br>BRG | DME   | DIST FROM<br>NM | FAC<br>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: 11/27/2025

## 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:

# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 400940.77N/1043815.59W 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 | MRA  | MAA   |
|-----|--------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1   | DENVER | I-BXP | LOC/DME |       | 352.54  | 000.54   | 17.60 | 19.91            | 9000 | 11000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| I-BXP     | LOC/DME  | R-353          | 20       | 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) |
| IAP      | RNAV (RNP) Z RWY 17L |     |     | KDEN          | DENVER | CO (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 11/15/2012

## REASON FOR REVISION:

FAC 1 MAG BRG CHANGED FROM 349.54 TO 352.54  
FAC 1 MAGVAR CHANGED FROM 11E TO 8E  
UPDATED FIX USE  
REMOVED FAC 2 AND 3  
REMOVED INT FROM FIX TYPE  
ADDED FAC 1 ESV DATA  
CHANGED FAC 1 MRA/MAA FROM 7000/15000 TO 9000/11000

| INITIATED BY: | DATE:            | ORGANIZATION:   | NAME:                   |
|---------------|------------------|-----------------|-------------------------|
| DEVELOPED BY: | DATE: 10/31/2011 | OFFICE: AJV-354 | NAME: CHARLES SCHNEIDER |
| APPROVED BY:  | DATE: 10/01/2012 | OFFICE: AJV-354 | NAME: DEZ SILAGYI       |

SIGNATURE:

DISTRIBUTION: NFDC  
FPO: WST  
ARTCC: ZDV  
ATC FACILITY: DEN APP CON  
OTHER:

# 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 NM | FAC FEET | MRA  | MAA  |
|-----|--------|-------|---------|-------|---------|----------|------|------------------|----------|------|------|
| 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: 11/27/2025

**REASON FOR REVISION:**

1. FIX MAKEUP FAC 1 I-BXP DIST FRAOM 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:                        |                  |                  |                     |

# **RADIO FIX AND HOLDING DATA RECORD**

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

**LATITUDE/LONGITUDE:** 395858.92N/1043823.49W **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> |
| IAP             | RNAV (RNP) Z RWY 17L |            |            | KDEN                 | DENVER      | CO (US)      |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 11/15/2012

|                      |                         |                        |                                |
|----------------------|-------------------------|------------------------|--------------------------------|
| <b>INITIATED BY:</b> | <b>DATE:</b>            | <b>ORGANIZATION:</b>   | <b>NAME:</b>                   |
| <b>DEVELOPED BY:</b> | <b>DATE:</b> 01/13/2012 | <b>OFFICE:</b> AJV-354 | <b>NAME:</b> CHARLES SCHNEIDER |
| <b>APPROVED BY:</b>  | <b>DATE:</b> 09/18/2012 | <b>OFFICE:</b> AJV-354 | <b>NAME:</b> DEZ SILAGYI       |

**SIGNATURE:**

**DISTRIBUTION:** NFDC  
FPO: WST  
ARTCC: ZDV  
ATC FACILITY: DEN APP CON  
OTHER:

# 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<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>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         | 17500        |
| AKO       | VOR/DME  | R-219          | 45       | 8500         | 18000        |
| HGO       | VOR/DME  | R-338          | 55       | 10000        | 18000        |

## FIX RESTRICTIONS:

MRA ALL 10000

## HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | W   | FQF   | VORTAC  | 078.12      | 078.12         | R                | 1                      | 10000 14000                  | 11 12                |
| 2   | W   |       | 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      | 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: 11/27/2025

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".

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: