

# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 393514.94N/1044125.34W 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 | FEET | MRA  | MAA   |
|-----|--------|-------|---------|-------|---------|----------|-------|------------------|------|------|-------|
| 1   | DENVER | I-OUF | LOC/DME |       | 172.51  | 180.51   | 18.73 | 18.73            |      | 8000 | 11000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| I-OUF     | LOC/DME  | R-173          | 19       | 8000         | 11000        |

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 34R           | 1   |     | KDEN          | DENVER | CO (US) |
| IAP      | ILS RWY 34R (CAT II/CAT III) | 1   |     | KDEN          | DENVER | CO (US) |
| IAP      | ILS RWY 34R (SA CAT I)       | 1   |     | KDEN          | DENVER | CO (US) |
| IAP      | RNAV (GPS) Y RWY 34R         |     |     | KDEN          | DENVER | CO (US) |
| IAP      | RNAV (RNP) Z RWY 34R         |     |     | KDEN          | DENVER | CO (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 11/15/2012

## REASON FOR REVISION:

FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51  
FAC 1 MAGVAR CHANGED FROM 9E TO 8E  
UPDATED FIX USE

| INITIATED BY: | DATE:            | ORGANIZATION:   | NAME:                   |
|---------------|------------------|-----------------|-------------------------|
| DEVELOPED BY: | DATE: 10/31/2011 | OFFICE: AJV-354 | NAME: CHARLES SCHNEIDER |
| APPROVED BY:  | DATE: 10/22/2012 | 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: BFREE
STATE: CO
COUNTRY: US
ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 392922.11N/1044129.37W
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-OUF | LOC/DME |       | 172.51  | 180.51   | 24.61 | 24.60            |          | 10000 | 14000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| I-OUF     | LOC/DME  | R-173          | 25       | 10000        | 14000        |

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 34R           | 1   |     | KDEN          | DENVER | CO (US) |
| IAP      | ILS RWY 34R (CAT II/CAT III) | 1   |     | KDEN          | DENVER | CO (US) |
| IAP      | ILS RWY 34R (SA CAT I)       | 1   |     | KDEN          | DENVER | CO (US) |
| IAP      | RNAV (GPS) Y RWY 34R         |     |     | KDEN          | DENVER | CO (US) |
| IAP      | RNAV (RNP) Z RWY 34R         |     |     | KDEN          | DENVER | CO (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

## REASON FOR REVISION:

FIX USE ADDED RNAV (GPS) Y RWY 34R, RNAV (RNP) Z RWY 34R @ 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:

# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 393958.76N/1044122.08W 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 | FEET | MRA  | MAA   |
|-----|--------|-------|---------|-------|---------|----------|-------|------------------|------|------|-------|
| 1   | DENVER | I-OUF | LOC/DME |       | 172.51  | 180.51   | 14.00 | 14.00            |      | 9000 | 11000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| I-OUF     | LOC/DME  | R-173          | 14       | 9800         | 11000        |

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

DENVER (FAC 1) USED TO ESTABLISH FIX COORDINATES.  
NAME CHANGED FROM RLESS TO BOENG

## FIX USE:

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

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 11/15/2012

## REASON FOR REVISION:

FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51  
FAC 1 MAGVAR CHANGED FROM 9E TO 8E  
UPDATED FIX USE  
NAME CHANGED FROM RLESS TO BOENG

|               |                  |                 |                         |
|---------------|------------------|-----------------|-------------------------|
| INITIATED BY: | DATE:            | ORGANIZATION:   | NAME:                   |
| DEVELOPED BY: | DATE: 10/31/2011 | OFFICE: AJV-354 | NAME: CHARLES SCHNEIDER |
| APPROVED BY:  | DATE: 10/22/2012 | 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:** BOOBU **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 393200.38N/1044127.57W **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 | FEET | MRA  | MAA   |
|-----|--------|-------|---------|-------|---------|----------|-------|------------------|------|------|-------|
| 1   | DENVER | I-OUF | LOC/DME |       | 172.51  | 180.51   | 21.97 | 21.97            |      | 8000 | 11000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| I-OUF     | LOC/DME  | R-173          | 22       | 8000         | 11000        |

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

## FIX USE:

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

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 11/15/2012

## REASON FOR REVISION:

FAC 1 MAG BRG CHANGED FROM 171.51 TO 172.51  
FAC 1 MAGVAR CHANGED FROM 9E TO 8E  
UPDATED FIX USE

|                      |                         |                        |                                |
|----------------------|-------------------------|------------------------|--------------------------------|
| <b>INITIATED BY:</b> | <b>DATE:</b>            | <b>ORGANIZATION:</b>   | <b>NAME:</b>                   |
| <b>DEVELOPED BY:</b> | <b>DATE:</b> 10/31/2011 | <b>OFFICE:</b> AJV-354 | <b>NAME:</b> CHARLES SCHNEIDER |
| <b>APPROVED BY:</b>  | <b>DATE:</b> 10/22/2012 | <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:** BSAYN **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 394421.77N/1044119.06W **TYPE:** WP

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

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

|                 |                      |            |            |                      |             |              |
|-----------------|----------------------|------------|------------|----------------------|-------------|--------------|
| <b>FIX USE:</b> | <b>USE TITLE</b>     | <b>FAC</b> | <b>PAT</b> | <b>AIRPORT IDENT</b> | <b>CITY</b> | <b>STATE</b> |
| <b>USE TYPE</b> | RNAV (RNP) Z RWY 34R |            |            | KDEN                 | DENVER      | CO (US)      |
| IAP             |                      |            |            |                      |             |              |

**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> 11/08/2011 | <b>OFFICE:</b> AJV-354 | <b>NAME:</b> CHARLES SCHNEIDER |
| <b>APPROVED BY:</b>  | <b>DATE:</b> 10/22/2012 | <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: CFFNK                                |                      | STATE: CO                     |     | COUNTRY: US   |        | ICAO REGION CODE: K2 |  |
| LATITUDE/LONGITUDE: 394423.26N/1044504.12W |                      | TYPE: CNF                     |     |               |        |                      |  |
| AIRSPACE DOCKET:                           |                      | FIX TYPE OF ACTION: ESTABLISH |     |               |        |                      |  |
| HOLDING:                                   |                      | HOLDING TYPE OF ACTION:       |     |               |        |                      |  |
| FIX USE:                                   | USE TITLE            | FAC                           | PAT | AIRPORT IDENT | CITY   | STATE                |  |
| USE TYPE                                   | RNAV (RNP) Z RWY 34R |                               |     | KDEN          | DENVER | CO (US)              |  |
| IAP                                        |                      |                               |     |               |        |                      |  |

COMPULSORY REPORTING POINT: NO

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

|               |                  |                 |                         |
|---------------|------------------|-----------------|-------------------------|
| INITIATED BY: | DATE:            | ORGANIZATION:   | NAME:                   |
| DEVELOPED BY: | DATE: 12/08/2011 | OFFICE: AJV-354 | NAME: CHARLES SCHNEIDER |
| APPROVED BY:  | DATE: 10/22/2012 | 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:** CFFNL **STATE:** CO **COUNTRY:** US **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 394413.70N/1044504.35W **TYPE:** CNF

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

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

|                 |                      |            |            |                      |             |              |
|-----------------|----------------------|------------|------------|----------------------|-------------|--------------|
| <b>FIX USE:</b> | <b>USE TITLE</b>     | <b>FAC</b> | <b>PAT</b> | <b>AIRPORT IDENT</b> | <b>CITY</b> | <b>STATE</b> |
| <b>USE TYPE</b> | RNAV (RNP) Z RWY 34R |            |            | KDEN                 | DENVER      | CO (US)      |
| 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> 12/08/2011 | <b>OFFICE:</b> AJV-354 | <b>NAME:</b> CHARLES SCHNEIDER |
| <b>APPROVED BY:</b>  | <b>DATE:</b> 10/22/2012 | <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: CORDE

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 394650.76N/1044117.34W

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-OUF | LOC/DME |       | 172.51  | 180.51   | 7.13 | 7.13             | 43309    | 7000 | 9800 |

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 34R           | 1   |     | KDEN          | DENVER | CO (US) |  |  |  |
| IAP      | ILS RWY 34R (CAT II/CAT III) | 1   |     | KDEN          | DENVER | CO (US) |  |  |  |
| IAP      | ILS RWY 34R (SA CAT I)       | 1   |     | KDEN          | DENVER | CO (US) |  |  |  |
| IAP      | RNAV (GPS) Y RWY 34R         |     |     | KDEN          | DENVER | CO (US) |  |  |  |
| IAP      | RNAV (RNP) Z RWY 34R         |     |     | KDEN          | DENVER | CO (US) |  |  |  |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

UPDATED COORDINATES FROM N394651.46/W1044117.33 TO N394650.7572/W1044117.3395 MOVED 71 FT 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:

# 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<br>BRG | TRUE<br>BRG | DME   | DIST FROM FAC<br>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<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|------------------------|------------------------------|----------------------|
| 1   | SE  | FQF   | VORTAC  | 306.00      | 306.00         | R                | 1                      | 10000 14000                  | 11 12                |
| 2   | SE  |       | WP      | 128.00      | 308.00         | R                | 7                      | 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                | 7                      | 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   |
|----------|------------------------------|------------|------|---------------|--------|---------|
| 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:** 11/27/2025

**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:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: NIWOT STATE: CO COUNTRY: US ICAO REGION CODE: K2  
LATITUDE/LONGITUDE: 401526.00N/1045940.61W 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 | MRA  | MAA   |
|-----|-----------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1   | MILE HIGH | DVV   | VORTAC  | VH    | 314.00  | 322.00   | 27.63 | 27.63            | 8000 | 17500 |
| 2   | GILL      | GLL   | VOR/DME | VH    | 221.00  | 234.00   | 25.07 | 25.07            | 8000 | 17500 |
| 3   | DENVER    | DEN   | VOR/DME | H     | 322.12  | 330.12   | 30.78 | 30.78            | 8000 | 17500 |

## FIX RESTRICTIONS:

MCA V575 9500 NORTHWEST BOUND

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   | SE  |       | WP     | 131.00      | 311.00      | R             |                 | 7   | 7300                  | 14000 | 9             | 11  |
| 2   | SE  |       | WP     | 134.00      | 314.00      | R             |                 | 7   | 10000                 | 14000 | 10            | 11  |
| 3   | SE  | DVV   | VORTAC | 134.00      | 314.00      | R             | 1-1 1/2         |     | 10000                 | 14000 | 10            | 11  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION       | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------------|------------------------|-----------|---------------|
| 1   | 230      | TOWER (08-000677) | 400547.29N/1045405.94W | 6260      | 3C            |
| 1   | 310      | TOWER (08-000677) | 400547.29N/1045405.94W | 6260      | 3C            |
| 2   | 230      | TOWER (08-000677) | 400547.29N/1045405.94W | 6260      | 3C            |
| 3   | 230      | TOWER (08-000677) | 400547.29N/1045405.94W | 6260      | 1A            |

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE   | AIRPORT IDENT | CITY     | STATE   |
|-----|-------------------|---------------|----------|---------|
| 1   | RNAV (GPS) RWY 29 | LMO           | LONGMONT | CO (US) |

## REMARKS:

MILE HIGH (FAC 1) AND GILL (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE            | FAC  | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|----------------------|------|-----|---------------|-----------------------|---------|
| EN ROUTE | V220                 |      |     |               |                       | (US)    |
| EN ROUTE | V575                 |      |     |               |                       | (US)    |
| IAP      | ILS OR LOC RWY 34R   | 1    | 3   | DEN           | DENVER                | CO (US) |
| IAP      | RNAV (GPS) Y RWY 26  |      | 2   | KDEN          | DENVER                | CO (US) |
| IAP      | RNAV (GPS) Y RWY 34R |      | 2   | KDEN          | DENVER                | CO (US) |
| IAP      | RNAV (RNP) Z RWY 26  |      | 2   | KDEN          | DENVER                | CO (US) |
| IAP      | RNAV (RNP) Z RWY 34R |      | 2   | KDEN          | DENVER                | CO (US) |
| IAP      | RNAV (GPS) RWY 10    |      |     | KGXY          | GREELEY               | CO (US) |
| IAP      | RNAV (GPS) RWY 29    |      | 1   | LMO           | LONGMONT              | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KBKF          | AURORA                | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KAPA          | DENVER                | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KBJC          | DENVER                | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KCFO          | DENVER                | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KDEN          | DENVER                | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KFNL          | FORT COLLINS/LOVELAND | CO (US) |
| STAR     | RAMMS                | 1, 3 |     | KGXY          | GREELEY               | CO (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 DATE OF REVISION: 03/19/2026

## REASON FOR REVISION:

HOLDING PATTERNS ADDED PAT 3  
HOLDING REMOVED UNP HOLDING  
CONTROLLING OBSTRUCTIONS REMOVED PAT 2 310 OBSTACLE  
FIX USE ADDED ILS OR LOC RWY 34R, RNAV (GPS) Y RWY 34R, RNAV (RNP) Z RWY 34R @ KDEN

|                                   |                  |                  |                       |
|-----------------------------------|------------------|------------------|-----------------------|
| INITIATED BY:                     | DATE:            | ORGANIZATION:    | NAME:                 |
| OFFICE OF PRIMARY RESPONSIBILITY: |                  | AJV-A433         | NAME: JOSHUA DUGAN    |
| APPROVED BY:                      | DATE: 02/12/2026 | OFFICE: AJV-A433 | NAME: ROBERT HAMILTON |

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: PIPSY

STATE: CO

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 395638.50N/1044110.52W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) Y RWY 34R

RNAV (RNP) Z RWY 34R

FAC

PAT

AIRPORT IDENT

KDEN

KDEN

CITY

DENVER

DENVER

STATE

CO (US)

CO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG      DATE OF REVISION: 11/27/2025

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: