

# RADIO FIX AND HOLDING DATA RECORD

NAME: BEVRR

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 385029.15N/1124520.83W

TYPE: WP, 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   | DELTA | DTA   | VORTAC | H     | 187.02  | 203.02   | 30.00 | 30.00            | 9600 | 45000 |

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   | S   | DTA   | VORTAC | 187.02      | 007.02      | R             | 1 1/2               | 16000 34000               | 17 26             |
| 2   | S   |       | WP     | 191.70      | 011.70      | R             | 12                  | 19000 45000               | 20 31             |
| 3   | N   |       | WP     | 018.72      | 198.72      | L             | 7                   | 11000 16000               | 10 13             |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 382715.00N/1124700.00W | 9433      | 4E            |
| 3   | 230      | AAO         | 384430.00N/1124621.00W | 6916      | 4E            |
| 3   | 310      | AAO         | 385157.00N/1121848.00W | 8704      | 4E            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 3   | 310   | 112      |

## REASON FOR NONSTANDARD HOLDING:

PAT 3 TO AVOID SEVIER MOA

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE   | AIRPORT IDENT | CITY    | STATE   |
|-----|-------------------|---------------|---------|---------|
| 3   | RNAV (GPS) RWY 34 | KMLF          | MILFORD | UT (US) |

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
PAT 3 310 KIAS CONTROLLING OBS LOCATED 10410 FT (1.71 NM) INTO SECONDARY.

## FIX USE:

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|-------------------|-----|-----|---------------|----------------|---------|
| EN ROUTE | V21               | 1   |     |               |                | (US)    |
| EN ROUTE | V235              | 1   |     |               |                | (US)    |
| IAP      | RNAV (GPS) RWY 16 |     |     | KMLF          | MILFORD        | UT (US) |
| IAP      | RNAV (GPS) RWY 34 |     | 3   | KMLF          | MILFORD        | UT (US) |
| STAR     | JAMMN             | 1   | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | PITTT (RNAV)      |     | 2   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | QWENN (RNAV)      |     | 2   | KSLC          | SALT LAKE CITY | UT (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

CHANGED HOLDING PAT 2 MIN ALT FROM 24000 TO 19000 AND MIN TEMPLATE FROM 21 TO 20.  
FIX USE: ADDED PITTT (RNAV) AND REMOVED DELTA (RNAV) AT KSLC.  
FIX USE: REFORMATTED V21-235 INTO SEPERATE LINES, V21 AND V235.  
REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW.  
REMOVED DTA VORTAC ESV.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by  
**ROBERT G HAMILTON**

Dec 23, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: BRYCE CANYON VORTAC

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 374121.07N/1121814.05W

TYPE:

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<br>NM FEET | MRA | MAA   |
|-----|--------------|-------|--------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | BRYCE CANYON | BCE   | VORTAC | VH    |         |          |     |                          |     | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## 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   | SW  |       | WP   | 225.36      | 045.36         | R                | 7                      | 11500 13300                  | 10 11                |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 373352.00N/1122040.37W | 9780      | 6C            |
| 1   | 310      | AAO         | 373700.00N/1124330.00W | 10132     | 4E            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 156      |
| 1   | 310   | 292      |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE         | AIRPORT IDENT | CITY         | STATE   |
|-----|-------------------------|---------------|--------------|---------|
| 1   | BRYCE (OBSTACLE) (RNAV) | KBCE          | BRYCE CANYON | UT (US) |

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 15 DEGREES EAST (1975).

## FIX USE:

| USE TYPE | USE TITLE               | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|-------------------------|-----|-----|---------------|----------------|---------|
| DP       | BRYCE (OBSTACLE) (RNAV) |     | 1   | KBCE          | BRYCE CANYON   | UT (US) |
| DP       | KACIR (RNAV)            |     |     | KKNB          | KANAB          | UT (US) |
| DP       | FAIRFIELD               |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| DP       | ZIONZ (RNAV)            |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| EN ROUTE | J100                    |     |     |               |                | (US)    |
| EN ROUTE | J11                     |     |     |               |                | (US)    |
| EN ROUTE | J196                    |     |     |               |                | (US)    |
| EN ROUTE | J523                    |     |     |               |                | (US)    |
| EN ROUTE | J60                     |     |     |               |                | (US)    |
| EN ROUTE | V257                    |     |     |               |                | (US)    |
| EN ROUTE | V293                    |     |     |               |                | (US)    |
| EN ROUTE | V8                      |     |     |               |                | (US)    |
| IAP      | RNAV (GPS)-A            |     |     | U52           | BEAVER         | UT (US) |
| IAP      | RNAV (GPS) RWY 21       |     |     | KBCE          | BRYCE CANYON   | UT (US) |
| IAP      | RNAV (GPS) RWY 3        |     |     | KBCE          | BRYCE CANYON   | UT (US) |
| IAP      | ILS OR LOC RWY 20       |     |     | KCDC          | CEDAR CITY     | UT (US) |
| IAP      | RNAV (GPS) RWY 34       |     |     | KMLF          | MILFORD        | UT (US) |
| IAP      | RNAV (GPS) RWY 36       |     |     | U55           | PANGUITCH      | UT (US) |
| STAR     | BLAID                   |     |     | KLAS          | LAS VEGAS      | NV (US) |
| STAR     | JAMMN                   |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | PITTT (RNAV)            |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | QWENN (RNAV)            |     |     | KSLC          | SALT LAKE CITY | UT (US) |

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 19

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND QWENN (RNAV), REMOVED DELTA (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

QUALITY  
14  
CHECKED

**APPROVED BY:**

**DATE:** 12/26/2024

**OFFICE:** AJV-A430

**NAME:** BEV L BORDY

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DRAPR

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401809.15N/1121011.96W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
WLKRR (RNAV)  
PITTT (RNAV)

FAC

PAT

AIRPORT IDENT  
KOGD  
KSLC

CITY  
OGDEN  
SALT LAKE CITY

STATE  
UT (US)  
UT (US)

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND REMOVED DELTA (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DRYVE

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 402509.42N/1120258.70W

TYPE: WP, 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   | FAIRFIELD | FFU   | VORTAC | H     | 314.00     | 330.00      | 10.00 | 10.00               |      | 9000 | 17500 |
| 2   | OGDEN     | OGD   | VORTAC | VL    | 163.36     | 177.36      | 48.31 | 48.31               |      | 9000 | 17500 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| OGD       | VORTAC   | R-163          | 49       | 9000         | 17500        |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|------|-----|---------------|----------------|---------|
| STAR     | PITTT (RNAV) |      |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | SPANE        | 1, 2 |     | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND REMOVED LEEHY (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: DELTA VORTAC      STATE: UT      COUNTRY: US      ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 391808.14N/1123020.01W      TYPE:

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<br>NM | FEET | MRA | MAA   |
|-----|-------|-------|--------|-------|---------|----------|-----|---------------------|------|-----|-------|
| 1   | DELTA | DTA   | VORTAC | VH    |         |          |     |                     |      |     | 45000 |

HOLDING:      HOLDING TYPE OF ACTION: NO CHANGE

## 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   | S   | DTA   | VORTAC | 184.00      | 004.00         | L                | 1                  |     | 9600                     | 17500 | 9                | 16  |
| 2   | S   |       | WP     | 184.00      | 004.00         | L                |                    | 7   | 9600                     | 17500 | 10               | 17  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 390754.00N/1123306.00W | 5886      | 4E            |
| 1   | 310      | AAO         | 391921.00N/1121757.00W | 7799      | 2C            |
| 2   | 230      | AAO         | 390754.00N/1123306.00W | 5886      | 4E            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 310   | 100      |

## REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN  
PAT 2 TERRAIN

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE       | AIRPORT IDENT | CITY     | STATE   |
|-----|-----------------------|---------------|----------|---------|
| 1   | VOR/DME RWY 17        | KDTA          | DELTA    | UT (US) |
| 1   | DELTA TAKEOFF MINS    | KDTA          | DELTA    | UT (US) |
| 1   | DELTA                 | KDTA          | DELTA    | UT (US) |
| 1   | VOR RWY 35            | KDTA          | DELTA    | UT (US) |
| 1   | FILLMORE TAKEOFF MINS | KFOM          | FILLMORE | UT (US) |

## REMARKS:

- PAT 1 310K OBS LOCATED 1.93 NM INTO SECONDARY.
- PRECIPITOUS TERRAIN EVALUATION COMPLETED.
- ASSIGNED FACILITY MAGVAR: 16 DEGREES WEST (1965).

## FIX USE:

| USE TYPE    | USE TITLE               | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|-------------|-------------------------|-----|-----|---------------|-----------------------|---------|
| SPECIAL IAP | RNAV VISUAL RWY 22      |     |     | KHCR          | HEBER                 | UT (US) |
| DP          | DELTA                   |     | 1   | KDTA          | DELTA                 | UT (US) |
| DP          | DELTA TAKEOFF MINS      |     | 1   | KDTA          | DELTA                 | UT (US) |
| DP          | FILLMORE TAKEOFF MINS   |     | 1   | KFOM          | FILLMORE              | UT (US) |
| DP          | WUXOT (RNAV) (OBSTACLE) |     |     | 41U           | MANTI                 | UT (US) |
| DP          | NEPHI (RNAV)(OBSTACLE)  |     |     | U14           | NEPHI                 | UT (US) |
| DP          | RICHFIELD (RNAV)        |     |     | KRIF          | RICHFIELD             | UT (US) |
| DP          | FAIRFIELD               |     |     | KSLC          | SALT LAKE CITY        | UT (US) |
| DP          | SALT LAKE               |     |     | KSLC          | SALT LAKE CITY        | UT (US) |
| DP          | SEVYR                   |     |     | KSLC          | SALT LAKE CITY        | UT (US) |
| EN ROUTE    | J148                    |     |     |               |                       | (US)    |
| EN ROUTE    | J199                    |     |     |               |                       | (US)    |
| EN ROUTE    | J84                     |     |     |               |                       | (US)    |
| EN ROUTE    | V21                     |     |     |               |                       | (US)    |
| EN ROUTE    | V235                    |     |     |               |                       | (US)    |
| EN ROUTE    | V257                    |     |     |               |                       | (US)    |
| IAP         | RNAV (GPS) RWY 17       |     |     | KDTA          | DELTA                 | UT (US) |
| IAP         | VOR RWY 35              |     | 1   | KDTA          | DELTA                 | UT (US) |
| IAP         | VOR/DME RWY 17          |     | 1   | KDTA          | DELTA                 | UT (US) |
| IAP         | RNAV (GPS) RWY 12       |     |     | KDPG          | DUGWAY PROVING GROUND | UT (US) |
| IAP         | TACAN RWY 12            |     |     | KDPG          | DUGWAY PROVING GROUND | UT (US) |
| IAP         | RNAV (GPS) RWY 22       |     |     | KFOM          | FILLMORE              | UT (US) |
| IAP         | RNAV (GPS) RWY 4        |     | 2   | KFOM          | FILLMORE              | UT (US) |
| IAP         | RNAV (GPS) RWY 3        |     |     | 41U           | MANTI                 | UT (US) |
| IAP         | RNAV (GPS) RWY 17       |     |     | U14           | NEPHI                 | UT (US) |
| IAP         | RNAV (GPS) RWY 35       |     |     | U14           | NEPHI                 | UT (US) |
| IAP         | RNAV (GPS) RWY 19       |     |     | KRIF          | RICHFIELD             | UT (US) |
| STAR        | JAMMN                   |     |     | KSLC          | SALT LAKE CITY        | UT (US) |
| STAR        | PITTT (RNAV)            |     |     | KSLC          | SALT LAKE CITY        | UT (US) |

QUALITY  
14  
CHECKED

STAR                      QWENN (RNAV)                      KSLC                      SALT LAKE CITY                      UT (US)

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

**COMPULSORY REPORTING POINT:** LOW

**RECORD REVISION NUMBER:** 16

**DATE OF REVISION:** 12/26/2024

**REASON FOR REVISION:**

FIX USE: ADDED PITTT (RNAV) AND REMOVED LEEHY (RNAV) AND DELTA (RNAV) AT KSLC.

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

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A433                      **NAME:** GUY COPELAND

**APPROVED BY:**                      **DATE:** 12/26/2024                      **OFFICE:** AJV-A430                      **NAME:** BEV L BORDY

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**

Dec 23, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: HEIRY

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 403323.98N/1120500.20W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PITTT (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

ADDED STAR PITTT (RNAV) AT KSLC TO FIX USE.  
REMOVED STAR DELTA (RNAV) AT KSLC FROM FIX USE.  
REMOVED PITTT FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: JAMMN

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 400236.38N/1121528.52W

TYPE: WP, 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   | WASATCH | TCH   | VORTAC | H     | 178.74  | 194.74   | 50.00 | 50.00            |          | 16000 | 45000 |
| 2   | DELTA   | DTA   | VORTAC | H     | 358.40  | 014.40   | 45.89 | 45.89            |          | 16000 | 45000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| TCH       | VORTAC   | R-179          | 50       | 16000        | 18800        |
| DTA       | VORTAC   | R-358          | 46       | 16000        | 19100        |

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   | S   | DTA   | VORTAC | 358.40      | 358.40      | R             | 1 1/2           |     | 16000                 | 28000 | 17            | 23  |
| 2   | S   |       | WP     | 183.56      | 003.56      | R             |                 | 11  | 17000                 | 28000 | 18            | 22  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 395718.00N/1122851.00W | 9144      | 4B            |
| 2   | 265      | AAO         | 395718.00N/1122851.00W | 9144      | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 265   | 340      |
| 2   | 265   | 340      |

## FIX USE:

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|------|-----|---------------|----------------|---------|
| STAR     | TAYTR (RNAV) |      |     | KPVU          | PROVO          | UT (US) |
| STAR     | JAMMN        | 1, 2 | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | PITTT (RNAV) |      | 2   | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND REMOVED DELTA (RNAV) AT KSLC.  
CHANGED ALL PAT CONTROLLING OBS FROM 200 AAO (LV-S-1120) 395720.30N/1122842.20W 9164 TO AAO 395718.00N/1122851.00W 9144 4B.  
ADDED PRECIPITOUS TERRAIN ADJUSTMENT OF 340 FEET TO ALL PAT.  
DELETED HOLDING PATTERN 1, TCH, AND REMOVED ALL ASSOCIATIONS. RENUMBERED DTA HOLDING FROM 2 TO 1, AND DTA HOLDING FROM 3 TO 2.  
ADDED DISTANCE FROM FAC INFO TO FAC 1 AND 2.  
CHANGED WP HOLDING PAT MAX TEMPLATE FROM 23 TO 22.  
FIX USE: ADDED FAC 1, 2 TO JAMMN STAR AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: LEEHY

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 401051.94N/1114107.54W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PITTT (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND REMOVED LEEHY AT KSLC.  
REMOVED FAC 1 FROM FIX MAKE UP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MAGNE

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404502.61N/1120530.47W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PITTT (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV), REMOVED LEEHY AND DELTA AT KSLC.  
REMOVED QUIPA FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MEEKER VOR/DME STATE: CO COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 400402.79N/1075529.82W TYPE:

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   | MEEKER | EKR   | VOR/DME | VH    |         |          |     |                  |     | 45000 |

## FIX RESTRICTIONS:

MCA V200 11300 EASTBOUND

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG TIME | LENGTH DME | HOLDING MIN | ALTITUDES MAX | TEMPLATES MIN | MAX |
|-----|-----|-------|---------|-------------|-------------|---------------|----------|------------|-------------|---------------|---------------|-----|
| 1   | W   | EKR   | VOR/DME | 262.84      | 082.84      | R             | 1        |            | 10700       | 17500         | 9             | 17  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 395706.00N/1075336.00W | 8731      | 4B            |
| 1   | 310      | AAO         | 395206.00N/1075003.00W | 9374      | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 250      |
| 1   | 310   | 300      |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE | AIRPORT IDENT | CITY   | STATE   |
|-----|-----------------|---------------|--------|---------|
| 1   | VOR-A           | KEEO          | MEEKER | CO (US) |

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 ASSIGNED FACILITY MAGVAR: E9°/2025.

## FIX USE:

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY                  | STATE   |
|----------|-------------------|-----|-----|---------------|-----------------------|---------|
| DP       | ASPEN             |     |     | KASE          | ASPEN                 | CO (US) |
| DP       | LINDZ             |     |     | KASE          | ASPEN                 | CO (US) |
| DP       | DENVER            |     |     | KBKF          | AURORA                | CO (US) |
| DP       | ROCKIES           |     |     | KBKF          | AURORA                | CO (US) |
| DP       | DENVER            |     |     | KAPA          | DENVER                | CO (US) |
| DP       | ROCKIES           |     |     | KAPA          | DENVER                | CO (US) |
| DP       | DENVER            |     |     | KBJC          | DENVER                | CO (US) |
| DP       | ROCKIES           |     |     | KBJC          | DENVER                | CO (US) |
| DP       | DENVER            |     |     | KCFO          | DENVER                | CO (US) |
| DP       | ROCKIES           |     |     | KCFO          | DENVER                | CO (US) |
| DP       | DENVER            |     |     | KDEN          | DENVER                | CO (US) |
| DP       | ROCKIES           |     |     | KDEN          | DENVER                | CO (US) |
| DP       | MEEKER            |     |     | KEGE          | EAGLE                 | CO (US) |
| DP       | DENVER            |     |     | KFNL          | FORT COLLINS/LOVELAND | CO (US) |
| DP       | ROCKIES           |     |     | KFNL          | FORT COLLINS/LOVELAND | CO (US) |
| DP       | GRAND JUNCTION    |     |     | KGJT          | GRAND JUNCTION        | CO (US) |
| DP       | GRAND MESA        |     |     | KGJT          | GRAND JUNCTION        | CO (US) |
| DP       | DENVER            |     |     | KGXY          | GREELEY               | CO (US) |
| DP       | ROCKIES           |     |     | KGXY          | GREELEY               | CO (US) |
| DP       | CANYON            |     |     | KPUB          | PUEBLO                | CO (US) |
| DP       | RUGGD (RNAV)      |     |     | KSLC          | SALT LAKE CITY        | UT (US) |
| EN ROUTE | J100              |     |     |               |                       | (US)    |
| EN ROUTE | J116              |     |     |               |                       | (US)    |
| EN ROUTE | J156              |     |     |               |                       | (US)    |
| EN ROUTE | J173              |     |     |               |                       | (US)    |
| EN ROUTE | J196              |     |     |               |                       | (US)    |
| EN ROUTE | J198              |     |     |               |                       | (US)    |
| EN ROUTE | J199              |     |     |               |                       | (US)    |
| EN ROUTE | J84               |     |     |               |                       | (US)    |
| EN ROUTE | V108              |     |     |               |                       | (US)    |
| EN ROUTE | V200              |     |     |               |                       | (US)    |
| EN ROUTE | V220              |     |     |               |                       | (US)    |
| EN ROUTE | V26               |     |     |               |                       | (US)    |
| IAP      | VOR RWY 25        |     |     | KCAG          | CRAIG                 | CO (US) |
| IAP      | ILS OR LOC RWY 11 |     |     | KGJT          | GRAND JUNCTION        | CO (US) |
| IAP      | VOR/DME-B         |     |     | KHDN          | HAYDEN                | CO (US) |

QUALITY  
14  
CHECKED

|      |                   |      |                       |         |
|------|-------------------|------|-----------------------|---------|
| IAP  | RNAV (GPS) - B    | KEEO | MEEKER                | CO (US) |
| IAP  | RNAV (GPS) RWY 3  | KEEO | MEEKER                | CO (US) |
| IAP  | VOR-A             | KEEO | MEEKER                | CO (US) |
| IAP  | RNAV (GPS) RWY 25 | 4V0  | RANGELY               | CO (US) |
| IAP  | ILS RWY 26        | KRIL | RIFLE                 | CO (US) |
| IAP  | LOC/DME-A         | KRIL | RIFLE                 | CO (US) |
| STAR | TOMSN             | KBKF | AURORA                | CO (US) |
| STAR | TOMSN             | KAPA | DENVER                | CO (US) |
| STAR | TOMSN             | KBJC | DENVER                | CO (US) |
| STAR | TOMSN             | KCFO | DENVER                | CO (US) |
| STAR | TOMSN             | KDEN | DENVER                | CO (US) |
| STAR | TOMSN             | KFNL | FORT COLLINS/LOVELAND | CO (US) |
| STAR | TOMSN             | KGXY | GREELEY               | CO (US) |
| STAR | PITTT (RNAV)      | KSLC | SALT LAKE CITY        | UT (US) |
| STAR | SPANE             | KSLC | SALT LAKE CITY        | UT (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 19

**DATE OF REVISION:** 12/26/2024

**REASON FOR REVISION:**

FIX USE: ADDED PITTT (RNAV) AND REMOVED LEEHY (RNAV) AT KSLC.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A433

**NAME:** GUY COPELAND

**APPROVED BY:**

**DATE:** 12/26/2024

**OFFICE:** AJV-A430

**NAME:** BEV L BORDY

**SIGNATURE:**

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: MILFORD VORTAC

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 382137.28N/1130047.64W

TYPE:

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   | MILFORD | MLF   | VORTAC | VH    |         |          |     |                  |      | 5660 | 45000 |

FIX RESTRICTIONS:

MCA V244 12000 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

| PAT | DIR | IDENT | TYPE   | RAD/CRS/BRG | CRS INBOUND | TURN (L OR R) | LEG TIME | LENGTH DME | HOLDING ALTITUDES MIN | MAX   | TEMPLATES MIN | MAX |
|-----|-----|-------|--------|-------------|-------------|---------------|----------|------------|-----------------------|-------|---------------|-----|
| 1   | N   | MLF   | VORTAC | 006.70      | 186.70      | R             | 1        |            | 9600                  | 17500 | 9             | 16  |
| 2   | S   | MLF   | VORTAC | 168.00      | 348.00      | R             | 1        |            | 11200                 | 17500 | 9             | 16  |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 381918.00N/1125318.00W | 9033      | 4E            |
| 2   | 230      | AAO         | 381915.00N/1125233.00W | 9055      | 4E            |
| 2   | 310      | AAO         | 382300.00N/1124857.00W | 9843      | 4E            |

PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 288      |
| 2   | 310   | 290      |
| 2   | 230   | 266      |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE   | AIRPORT IDENT | CITY    | STATE   |
|-----|-------------------|---------------|---------|---------|
| 2   | TAKE-OFF MINIMUMS | KMLF          | MILFORD | UT (US) |

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETE.  
PAT 1 CONTROLLING OBSTACLE PRIMARY EQUIVALENT IS 8275'.  
ASSIGNED FAC MAGVAR: 16 DEGREES EAST (1965).

FIX USE:

| USE TYPE | USE TITLE         | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|-------------------|-----|-----|---------------|----------------|---------|
| DP       | HOOVER            |     |     | KLAS          | LAS VEGAS      | NV (US) |
| DP       | TAKE-OFF MINIMUMS |     | 2   | KMLF          | MILFORD        | UT (US) |
| DP       | ARCHZ (RNAV)      |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| DP       | FAIRFIELD         |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| DP       | SEVYR             |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| EN ROUTE | J107              |     |     |               |                | (US)    |
| EN ROUTE | J28               |     |     |               |                | (US)    |
| EN ROUTE | J58               |     |     |               |                | (US)    |
| EN ROUTE | J80               |     |     |               |                | (US)    |
| EN ROUTE | J9                |     |     |               |                | (US)    |
| EN ROUTE | T298              |     |     |               |                | (US)    |
| EN ROUTE | V21               |     |     |               |                | (US)    |
| EN ROUTE | V235              |     |     |               |                | (US)    |
| EN ROUTE | V244              |     |     |               |                | (US)    |
| IAP      | RNAV (GPS)-A      |     |     | U52           | BEAVER         | UT (US) |
| IAP      | ILS OR LOC RWY 20 |     |     | KCDC          | CEDAR CITY     | UT (US) |
| IAP      | RNAV (GPS) RWY 20 |     |     | KCDC          | CEDAR CITY     | UT (US) |
| IAP      | VOR RWY 20        |     |     | KCDC          | CEDAR CITY     | UT (US) |
| IAP      | RNAV (GPS) RWY 16 |     |     | KMLF          | MILFORD        | UT (US) |
| IAP      | VOR/DME -A        |     | 1   | KMLF          | MILFORD        | UT (US) |
| STAR     | JAMMN             |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | PITTT (RNAV)      |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | QWENN (RNAV)      |     |     | KSLC          | SALT LAKE CITY | UT (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 12/26/2024

QUALITY  
14  
CHECKED

**REASON FOR REVISION:**  
FIX USE: ADDED PITTT(RNAV) AND REMOVED DELTA (RNAV) AT KSLC.

|                                          |                         |                         |                                                                        |
|------------------------------------------|-------------------------|-------------------------|------------------------------------------------------------------------|
| <b>INITIATED BY:</b>                     | <b>DATE:</b>            | <b>ORGANIZATION:</b>    | <b>NAME:</b>                                                           |
| <b>OFFICE OF PRIMARY RESPONSIBILITY:</b> |                         | AJV-A433                | <b>NAME:</b> GUY COPELAND                                              |
| <b>APPROVED BY:</b>                      | <b>DATE:</b> 12/26/2024 | <b>OFFICE:</b> AJV-A430 | <b>NAME:</b> BEV L BORDY                                               |
|                                          | <b>SIGNATURE:</b>       |                         | <i>Digitally signed by</i><br><b>ROBERT G HAMILTON</b><br>Dec 23, 2024 |



# RADIO FIX AND HOLDING DATA RECORD

NAME: MOINT

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411509.27N/1122545.58W

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   | OGDEN      | OGD   | VORTAC  | H     | 262.61  | 276.61   | 15.08 | 15.08            |      | 9000  | 45000 |
| 2   | MALAD CITY | MLD   | VOR/DME | VH    | 162.00  | 179.00   | 56.82 | 56.82            |      | 13000 | 45000 |
| 3   | WASATCH    | TCH   | VORTAC  | VH    | 304.05  | 320.05   | 31.54 | 31.54            |      | 9000  | 45000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| MLD       | VOR/DME  | R-162          | 57       | 13000        | 17500        |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## 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   | OGD   | VORTAC | 262.61      | 082.61      | R             | 1               |     | 9000                  | 17500 | 10            | 17  |
| 2   | W   |       | WP     | 265.61      | 085.61      | R             |                 | 7   | 9000                  | 17500 | 10            | 21  |
| 3   | NW  | TCH   | VORTAC | 304.05      | 124.05      | R             | 1               |     | 9000                  | 17500 | 11            | 18  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 411827.00N/1122651.00W | 7195      | 4E            |
| 1   | 310      | AAO         | 412339.00N/1122903.00W | 7218      | 4E            |
| 2   | 230      | AAO         | 411827.00N/1122651.00W | 7271      | 4B            |
| 2   | 310      | AAO         | 411827.00N/1122651.00W | 7271      | 4B            |
| 3   | 230      | AAO         | 412354.00N/1122909.00W | 7382      | 4E            |
| 3   | 310      | AAO         | 412924.00N/1123030.00W | 7493      | 4E            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 120      |
| 1   | 310   | 120      |
| 2   | 310   | 120      |
| 2   | 230   | 120      |
| 3   | 310   | 180      |
| 3   | 230   | 180      |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE  | AIRPORT IDENT | CITY  | STATE   |
|-----|------------------|---------------|-------|---------|
| 1   | VOR-A            | KOGD          | OGDEN | UT (US) |
| 1   | ILS OR LOC RWY 3 | KOGD          | OGDEN | UT (US) |
| 2   | RNAV (GPS) RWY 3 | KOGD          | OGDEN | UT (US) |
| 3   | ILS OR LOC RWY 3 | KOGD          | OGDEN | UT (US) |

## REMARKS:

OGDEN (FAC 1) AND MALAD CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-6404A.

## FIX USE:

| USE TYPE | USE TITLE         | FAC  | PAT  | AIRPORT IDENT | CITY           | STATE   |
|----------|-------------------|------|------|---------------|----------------|---------|
| EN ROUTE | V257              | 1, 2 |      |               |                | (US)    |
| EN ROUTE | V6                | 1, 3 |      |               |                | (US)    |
| IAP      | RNAV (GPS) RWY 35 |      |      | KBMC          | BRIGHAM CITY   | UT (US) |
| IAP      | ILS OR LOC RWY 3  | 1    | 1, 3 | KOGD          | OGDEN          | UT (US) |
| IAP      | RNAV (GPS) RWY 3  |      | 2    | KOGD          | OGDEN          | UT (US) |
| IAP      | VOR-A             | 1, 2 | 1    | KOGD          | OGDEN          | UT (US) |
| STAR     | WLKRR (RNAV)      |      | 2    | KOGD          | OGDEN          | UT (US) |
| STAR     | PITTT (RNAV)      |      | 2    | KSLC          | SALT LAKE CITY | UT (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 12/26/2024

QUALITY  
14  
CHECKED



**REASON FOR REVISION:**  
FIX USE: ADDED PITTT (RNAV) AT KSLC.

|                                          |                         |                         |                                                                        |
|------------------------------------------|-------------------------|-------------------------|------------------------------------------------------------------------|
| <b>INITIATED BY:</b>                     | <b>DATE:</b>            | <b>ORGANIZATION:</b>    | <b>NAME:</b>                                                           |
| <b>OFFICE OF PRIMARY RESPONSIBILITY:</b> |                         | AJV-A433                | <b>NAME:</b> GUY COPELAND                                              |
| <b>APPROVED BY:</b>                      | <b>DATE:</b> 12/26/2024 | <b>OFFICE:</b> AJV-A430 | <b>NAME:</b> BEV L BORDY                                               |
|                                          | <b>SIGNATURE:</b>       |                         | <i>Digitally signed by</i><br><b>ROBERT G HAMILTON</b><br>Dec 23, 2024 |



# RADIO FIX AND HOLDING DATA RECORD

NAME: PITTT

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 403800.57N/1120441.39W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PITTT (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV), REMOVED WAATS AND LEEHY AT KSLC.  
REMOVED CEEDR FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: QUIPA

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404623.36N/1120540.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PITTT (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV), REMOVED WAATS AND LEEHY AT KSLC.  
REMOVED LOAPP FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SLINA

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 384815.44N/1122632.35W

TYPE: WP, 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   | DELTA | DTA   | VORTAC | H     | 158.33     | 174.33      | 30.00 | 30.00           |             | 16000 | 45000 |

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>DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|--------|-------------|----------------|------------------|-------------------|------------------------------|----------------------|
| 1   | S   | DTA   | VORTAC | 158.33      | 338.33         | R                | 12                | 16000 34000                  | 17 26                |
| 2   | S   |       | WP     | 163.45      | 343.45         | R                | 12                | 19000 45000                  | 20 30                |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 382512.00N/1122445.00W | 12300     | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 265   | 380      |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | JAMMN        | 1   | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | PITTT (RNAV) |     | 2   | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND REMOVED DELTA (RNAV) AT KSLC.

FIX USE: ADDED FAC 1 TO JAMMN.

MOVED PRECIPITOUS TERRAIN ADJUSTMENT INFORMATION FROM REMARKS TO PRECIPITOUS TERRAIN ADDITIONS SECTION, AND INCREASED ADJ FROM 375 TO 380.

CHANGED PAT 1 CONTROLLING OBS FROM AAO 382515.00N/1222445.00W 12028 4E TO AAO 382512.00N/1122445.00W 12300 4B.

REMOVED DTA VORTAC ESV.

CHANGED PAT 2 MAX TEMPLATE FROM 31 TO 30.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SPIEK

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 402845.17N/1120634.90W

TYPE: WP, 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   | WASATCH | TCH   | VORTAC | H     | 178.74     | 194.74      | 23.00 | 23.00           |             | 13000 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | JAMMN        | 1   |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | PITTT (RNAV) |     |     | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX USE: REMOVED DELTA AND ADDED PITTT (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KAMMP

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 402311.51N/1115542.48W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

| FAC | NAME  | IDENT | TYPE | CLASS | MAG<br>BRG | TRUE<br>BRG | DME  | DIST FROM FAC<br>NM | FAC<br>FEET | MRA | MAA   |
|-----|-------|-------|------|-------|------------|-------------|------|---------------------|-------------|-----|-------|
| 1   | PLAGE |       |      |       |            | 175.08      | 3.02 |                     |             |     | 17500 |

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/25/2007

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/08/2007

OFFICE: AVN-130

NAME: DEZ SILAGYI

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

DISTRIBUTION:

NFDC  
FPO: SEA  
ARTCC: ZLC  
ATC FACILITY: SLC APP CON  
OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MARNN

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 391531.88N/1120510.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
QWENN (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED STAR QWENN (RNAV) AT KSLC.  
REMOVED NEEBO FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: QWENN

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 402324.41N/1115704.78W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

FIX NAME RETAINED PER ATC FOR OPERATIONAL NECESSITY.

## FIX USE:

| USE TYPE | USE TITLE            | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|----------------------|-----|-----|---------------|----------------|---------|
| IAP      | ILS OR LOC RWY 34L   |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | ILS OR LOC RWY 34R   |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | LDA RWY 35           |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | RNAV (GPS) Y RWY 34L |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | RNAV (GPS) Y RWY 34R |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | RNAV (GPS) Y RWY 35  |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | RNAV (RNP) Z RWY 34L |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | RNAV (RNP) Z RWY 34R |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| IAP      | RNAV (RNP) Z RWY 35  |     |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | QWENN (RNAV)         |     |     | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX MOVED 7.91 NM NORTH FROM 401529.58N/1115642.50W TO 402324.41N/1115704.78W.

ADDED IAP TO REQUIRED CHARTING.

FIX USE: ADDED ILS OR LOC RWY 34L, RNAV (GPS) Y RWY 34L, RNAV (GPS) Y RWY 34R, RNAV (RNP) Z RWY 34L, AND RNAV (RNP) Z RWY 34R, LDA RWY 35, RNAV (GPS) Y RWY 35, RNAV (RNP) Z RWY 35 AT KSLC.

REMOVED KAMMP FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: UINTA

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 393703.28N/1121927.35W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
QWENN (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

REMOVED FRNZY FROM FIX MAKE UP FACILITIES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BEARR

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 413150.85N/1122918.40W

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   | OGDEN | OGD   | VORTAC | H     | 302.35  | 316.35   | 25.47 | 25.47            |      | 9400  | 45000 |
| 2   | LUCIN | LCU   | VORTAC | H     | 063.19  | 080.19   | 61.84 | 61.84            |      | 13000 | 45000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| OGD       | VORTAC   | R-302          | 26       | 22200        | 45000        |
| LCU       | VORTAC   | R-063          | 62       | 13000        | 18900        |

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   | NW  | OGD   | VORTAC | 302.35      | 122.35      | L             | 1               |     | 10000                 | 45000 | 10            | 30  |
| 2   | NW  |       | WP     | 305.35      | 125.35      | L             |                 | 8   | 10000                 | 45000 | 11            | 30  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 412927.00N/1123030.00W | 7553      | 4B            |
| 2   | 230      | AAO         | 412927.00N/1123030.00W | 7553      | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 240      |
| 2   | 230   | 240      |

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST  
PAT 2 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

OGDEN (FAC 1) AND LUCIN (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
DME REQUIRED FOR HOLDING PATTERN 1 BETWEEN 10,000 AND 13,000.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE    | FAC  | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|------|-----|---------------|----------------|---------|
| EN ROUTE | Q122         |      |     |               |                | (US)    |
| EN ROUTE | V101         | 1, 2 |     |               |                | (US)    |
| EN ROUTE | V288         | 1, 2 |     |               |                | (US)    |
| STAR     | WLKRR (RNAV) |      |     | KOGD          | OGDEN          | UT (US) |
| STAR     | BEARR        | 1    | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | SKEES (RNAV) |      | 2   | KSLC          | SALT LAKE CITY | UT (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

CHANGED PAT 1 LEG TIME FROM 1 1/2 TO 1.  
CHANGED PAT 2 MIN TEMPLATE FROM 31 TO 30.  
CHANGED ALL PAT CONTROLLING OBS FROM AAO 412935.70N/1123025.60W 7572 6A TO AAO 412927.00N/1123030.00W 7553 4B.  
REMOVED SKEES (RNAV) FROM PROCEDURES REQUIRING A CLIMB-IN-HOLD, AND REMOVED ASSOCIATED CLIMB-IN-HOLD OBST DATA.  
CHANGED PAT 1 PRECIPITOUS TERRAIN ADDITION FROM 165 TO 240 AND PAT 2 PRECIPITOUS TERRAIN ADDITION FROM 210 TO 240.  
ADDED REMARK OGDEN (FAC 1) AND LUCIN (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
FIX USE: REMOVED FAC 1 FROM SKEES (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

Digitally signed by

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

ROBERT G HAMILTON

Dec 23, 2024

QUALITY  
14  
CHECKED

SIGNATURE:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BOOOT STATE: UT COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411819.25N/1121103.43W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

HOLDING: HOLDING TYPE OF ACTION:

| FIX USE: | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|-----------|-----|-----|---------------|----------------|---------|
| USE TYPE |           |     |     |               |                |         |
| STAR     |           |     |     | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 03/21/2009

REASON FOR REVISION:  
CHANGED FAC 1 FROM BUFFF TO HINKY, FIX NAME WAS CHANGED LOCATION DID NOT CHANGE.  
UPDATED BLOCK 5.  
AIR/GROUND COMMUNICATIONS WITH SLC TOWER REMOVED.

| INITIATED BY: | DATE:            | ORGANIZATION:    | NAME:                     |
|---------------|------------------|------------------|---------------------------|
| DEVELOPED BY: | DATE: 09/16/2008 | OFFICE: AVN-130  | NAME: CATHERINE CHILDRESS |
| APPROVED BY:  | DATE: 12/26/2024 | OFFICE: AJV-A430 | NAME: BEV L BORDY         |

|               |                                                                                  |                                                                        |
|---------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| DISTRIBUTION: | SIGNATURE:                                                                       | <i>Digitally signed by</i><br><b>ROBERT G HAMILTON</b><br>Dec 23, 2024 |
|               | NFDC<br>FPO: WST<br>ARTCC: ZLC<br>ATC FACILITY: SLC APP CON, SLC TOWER<br>OTHER: |                                                                        |

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: EFFT

STATE: ID

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 421702.25N/1132812.38W

TYPE: WP, 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   | BURLEY | BYI   | VOR/DME | L     | 117.17  | 135.17   | 25.00 | 25.00            | 11400 | 35000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| BYI       | VOR/DME  | R-117          | 25       | 22200        | 35000        |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | BEARR        | 1   |     | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | SKEES (RNAV) |     |     | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX MAKE UP FACILITIES: FAC 1 (BYI) ADDED DIST FROM FAC 25 NM.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HINKY

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411138.51N/1120120.23W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

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   | IRRON |       |      |       |            | 354.84      | 3.00 |                          |     | 17500 |

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/25/2007

REASON FOR REVISION:

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/04/2007.  
CHANGED NAME OF FIX FROM BUFFF TO HINKY.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/17/2007

OFFICE: AVN-130

NAME: TIMOTHY MCHENRY (KEITH SHYKES)

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZLC  
ATC FACILITY: SLC APP CON  
OTHER: SLC TOWER

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HUUPR STATE: UT COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411355.19N/1121455.18W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

| FIX USE: | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| USE TYPE |              |     |     |               |                |         |
| STAR     | SKEES (RNAV) |     |     | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 02/20/2025

REASON FOR REVISION:  
FIX MOVED 4831 FT EAST FROM 411353.97N/1121558.38W TO 411355.19N/1121455.18W.  
REMOVED DYANN FROM FIX MAKE UP FACILITIES.

|                                   |                  |                  |                    |
|-----------------------------------|------------------|------------------|--------------------|
| INITIATED BY:                     | DATE:            | ORGANIZATION:    | NAME:              |
| OFFICE OF PRIMARY RESPONSIBILITY: |                  | AJV-A433         | NAME: GUY COPELAND |
| APPROVED BY:                      | DATE: 12/26/2024 | OFFICE: AJV-A430 | NAME: BEV L BORDY  |

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: POCATELLO VOR/DME

STATE: ID

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 425213.38N/1123908.03W

TYPE:

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<br>NM FEET | MRA | MAA   |
|-----|-----------|-------|---------|-------|---------|----------|-----|--------------------------|-----|-------|
| 1   | POCATELLO | PIH   | VOR/DME | H     |         |          |     |                          |     | 45000 |

## FIX RESTRICTIONS:

MCA V21 8000 SOUTHEAST BOUND  
MCA V257 8000 SOUTHEAST BOUND

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## PATTERNS:

| PAT | DIR | IDENT | TYPE    | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG TIME | LENGTH<br>DME | HOLDING ALTITUDES<br>MIN MAX | TEMPLATES<br>MIN MAX |
|-----|-----|-------|---------|-------------|----------------|------------------|----------|---------------|------------------------------|----------------------|
| 1   | N   | PIH   | VOR/DME | 358.00      | 178.00         | R                | 1 1/2    |               | 15000 45000                  | 15 29                |
| 2   | S   |       | WP      | 200.87      | 020.87         | L                |          | 7             | 8500 14000                   | 10 11                |
| 3   | W   | PIH   | VOR/DME | 268.97      | 088.97         | L                | 1        |               | 7400 14000                   | 8 10                 |
| 4   | N   |       | WP      | 001.00      | 181.00         | R                |          | 10            | 15000 45000                  | 16 30                |
| 5   | S   | PIH   | VOR/DME | 196.27      | 016.27         | L                | 1        |               | 8500 14000                   | 9 10                 |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 424806.00N/1123027.00W | 7349      | 4E            |
| 2   | 230      | AAO         | 423951.00N/1124812.00W | 7100      | 4E            |
| 3   | 230      | AAO         | 424806.00N/1123027.00W | 7349      | 4E            |
| 4   | 265      | AAO         | 424748.00N/1123015.00W | 7379      | 4E            |
| 5   | 230      | AAO         | 423951.00N/1124812.00W | 7100      | 4E            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 4   | 265   | 353      |

## REASON FOR NONSTANDARD HOLDING:

PAT 2 TERRAIN  
PAT 3 TERRAIN  
PAT 5 TERRAIN

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAG VAR: 17 DEGREES EAST (1975).  
PAT 3 OBS LOCATED 11181 FT INTO SECONDARY AREA.

## FIX USE:

| USE TYPE | USE TITLE                          | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|------------------------------------|-----|-----|---------------|----------------|---------|
| DP       | POCATELLO (RNAV)                   |     |     | U02           | BLACKFOOT      | ID (US) |
| DP       | TAKEOFF MINIMUMS AND (OBSTACLE) DP |     |     | U02           | BLACKFOOT      | ID (US) |
| DP       | KNURL (OBSTACLE)                   |     |     | KPIH          | POCATELLO      | ID (US) |
| EN ROUTE | J163                               |     |     |               |                | (US)    |
| EN ROUTE | J20                                |     |     |               |                | (US)    |
| EN ROUTE | J54                                |     |     |               |                | (US)    |
| EN ROUTE | Q121                               |     |     |               |                | (US)    |
| EN ROUTE | T331                               |     |     |               |                | (US)    |
| EN ROUTE | V21                                |     |     |               |                | (US)    |
| EN ROUTE | V257                               |     |     |               |                | (US)    |
| EN ROUTE | V269                               |     |     |               |                | (US)    |
| EN ROUTE | V500                               |     |     |               |                | (US)    |
| IAP      | RNAV (GPS)-A                       |     | 2   | U02           | BLACKFOOT      | ID (US) |
| IAP      | RNAV (GPS)-B                       |     | 2   | U02           | BLACKFOOT      | ID (US) |
| IAP      | VOR/DME-C                          |     | 5   | U02           | BLACKFOOT      | ID (US) |
| IAP      | LOC BC RWY 3                       |     |     | KIDA          | IDAHO FALLS    | ID (US) |
| IAP      | VOR RWY 21                         |     |     | KIDA          | IDAHO FALLS    | ID (US) |
| IAP      | ILS OR LOC RWY 21                  |     | 3   | KPIH          | POCATELLO      | ID (US) |
| IAP      | RNAV (GPS) RWY 21                  |     |     | KPIH          | POCATELLO      | ID (US) |
| IAP      | RNAV (GPS) RWY 3                   |     |     | KPIH          | POCATELLO      | ID (US) |
| IAP      | VOR RWY 3                          |     | 3   | KPIH          | POCATELLO      | ID (US) |
| STAR     | BEARR                              |     | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | SKEES (RNAV)                       |     | 4   | KSLC          | SALT LAKE CITY | UT (US) |

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

QUALITY  
14  
CHECKED



COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 02/20/2025

**REASON FOR REVISION:**

FIX USE: REMOVED STAR NORDK (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SKEES

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 412638.87N/1122314.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

FIX NAME RETAINED PER ATC FOR OPERATIONAL NECESSITY.

**FIX USE:**  
**USE TYPE**  
STAR

**USE TITLE**  
SKEES (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**  
KSLC

**CITY**  
SALT LAKE CITY

**STATE**  
UT (US)

**REQUIRED CHARTING:** STAR

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1

**DATE OF REVISION:** 02/20/2025

**REASON FOR REVISION:**

MOVED FIX 3.24 NM SOUTHEAST FROM 412846.58N/1122629.71W TO 412638.87N/1122314.18W.  
REMOVED HUUPR FROM FIX MAKE UP FACILITIES.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A433

**NAME:** GUY COPELAND

**APPROVED BY:**

**DATE:** 12/26/2024

**OFFICE:** AJV-A430

**NAME:** BEV L BORDY

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: SLOAP

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 414526.82N/1122833.27W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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   | N   |       | WP   | 351.39      | 171.39         | R                | 12                     | 18000 30000                  | 20 23                |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 420333.00N/1122157.00W | 7976      | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 265   | 270      |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | SKEES (RNAV) |     | 1   | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

ADDED PAT MIN TEMPLATE 20 AND CHANGED MAX TEMPLATE FROM 24 TO 23.  
ADDED PAT 1 CONTROLLING OBS AND PRECIPITOUS TERRAIN ADJUSTMENT 270.  
ADDED REMARK PRECIPITOUS TERRAIN EVALUATION COMPLETED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BUSHH

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404535.56N/1120933.46W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:  
USE TYPE  
STAR

USE TITLE  
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FLECC

STATE: NV

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404207.83N/1145316.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG LENGTH<br>TIME DME | HOLDING<br>MIN | ALTITUDES<br>MAX | TEMPLATES<br>MIN | MAX |
|-----|-----|-------|------|-------------|----------------|------------------|------------------------|----------------|------------------|------------------|-----|
| 1   | W   |       | WP   | 257.04      | 077.04         | R                | 10                     | 14000          | 30000            | 15               | 23  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 403948.00N/1152057.00W | 11290     | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 380      |

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | WLKRR (RNAV) |     |     | KOGD          | OGDEN          | UT (US) |
| STAR     | YUTES (RNAV) |     | 1   | KSLC          | SALT LAKE CITY | UT (US) |

REQUIRED CHARTING: STAR, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

ADDED HOLDING PAT 1.  
FIX USE: ADDED STAR YUTES (RNAV) AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: GOGGL

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404528.87N/1121754.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:  
USE TYPE  
STAR

USE TITLE  
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JAXXX

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404200.61N/1120904.13W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE  
STAR

USE TITLE  
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: KNOLE

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404321.37N/1125131.15W

TYPE: WP, 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   | BONNEVILLE | BVL   | VORTAC | VH    | 078.00  | 090.00   | 41.00 | 41.00            |      | 10000 | 45000 |

## EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| BVL       | VORTAC   | R-078          | 41       | 9000         | 45000        |

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   | BVL   | VORTAC | 078.00      | 078.00      | R             | 1 1/2           |     | 15000                 | 31000 | 15            | 24  |
| 2   | W   |       | WP     | 259.58      | 079.58      | R             |                 | 10  | 17000                 | 31000 | 17            | 24  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 265      | AAO         | 403609.00N/1123654.00W | 9321      | 4B            |
| 2   | 265      | AAO         | 403609.00N/1123654.00W | 9321      | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 265   | 330      |
| 2   | 265   | 330      |

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

CHART HOLDING PATTERN 1 ON EN ROUTE LOW AND EN ROUTE HIGH CHARTS.

HOLDING PATTERN AIRSPACE NOT CLEAR OF R-6404.

ZLC WILL COORDINATE WITH CLOVER APCH AT HILL AFB FOR USE OF RESTRICTED AIRSPACE WHEN HOLDING IS REQUIRED.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | WLKRR (RNAV) |     |     | KOGD          | OGDEN          | UT (US) |
| STAR     | TAYTR (RNAV) |     |     | KPVU          | PROVO          | UT (US) |
| STAR     | BONNEVILLE   | 1   | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | YUTES (RNAV) |     | 2   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | TAYTR (RNAV) |     |     | KSPK          | SPANISH FORK   | UT (US) |

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

REMOVED STAR WAATS (RNAV) AND ADDED YUTES (RNAV) AT KSLC.

CHANGED PAT 1/2 CONTROLLING OBS FROM AAO 403610.70N/1123635.50W 9341 6A TO AAO 403609.00N/1123654.00W 9321 4B.

CHANGED PAT 1/2 PRECIPITOUS TERRAIN ADDITIONS FROM 249/248 TO 330.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 01/16/2025

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Dec 23, 2024

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: LAWVA

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404940.43N/1120603.40W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE

IAP

STAR

STAR

USE TITLE

RNAV (RNP) Z RWY 16R

PITTT (RNAV)

YUTES (RNAV)

FAC

PAT

AIRPORT IDENT

KSLC

KSLC

KSLC

CITY

SALT LAKE CITY

SALT LAKE CITY

SALT LAKE CITY

STATE

UT (US)

UT (US)

UT (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*

**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RIBSS

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404524.81N/1120532.80W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:  
USE TYPE  
STAR

USE TITLE  
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RROY Y

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411319.25N/1120852.75W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR  
STAR

USE TITLE  
PITTT (RNAV)  
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC  
KSLC

CITY  
SALT LAKE CITY  
SALT LAKE CITY

STATE  
UT (US)  
UT (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: ADDED PITTT (RNAV) AND YUTES (RNAV), REMOVED WAATS AND LEEHY AT KSLC.  
REMOVED FAC 1 OGD FROM FIX MAKE UP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024



# RADIO FIX AND HOLDING DATA RECORD

NAME: SKWAH

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404313.00N/1123704.48W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:  
USE TYPE  
STAR

USE TITLE  
YUTES (RNAV)

FAC

PAT

AIRPORT IDENT  
KSLC

CITY  
SALT LAKE CITY

STATE  
UT (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/20/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**  
Dec 23, 2024

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: YUTES

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 404310.50N/1123148.39W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

## PATTERNS:

| PAT | DIR | IDENT | TYPE | RAD/CRS/BRG | CRS<br>INBOUND | TURN<br>(L OR R) | LEG<br>TIME | LENGTH<br>DME | HOLDING<br>MIN | ALTITUDES<br>MAX | TEMPLATES<br>MIN | MAX |
|-----|-----|-------|------|-------------|----------------|------------------|-------------|---------------|----------------|------------------|------------------|-----|
| 1   | W   |       | WP   | 259.58      | 079.58         | L                |             | 10            | 11000          | 17000            | 15               | 17  |

## CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES            | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1   | 230      | AAO         | 403609.00N/1123654.00W | 9321      | 4B            |

## PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1   | 230   | 300      |

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## FIX USE:

| USE TYPE | USE TITLE    | FAC | PAT | AIRPORT IDENT | CITY           | STATE   |
|----------|--------------|-----|-----|---------------|----------------|---------|
| STAR     | TAYTR (RNAV) |     |     | KPVU          | PROVO          | UT (US) |
| STAR     | YUTES (RNAV) |     | 1   | KSLC          | SALT LAKE CITY | UT (US) |
| STAR     | TAYTR (RNAV) |     |     | KSPK          | SPANISH FORK   | UT (US) |

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

FIX USE: ADDED STARS YUTES (RNAV) AT KSLC AND TAYTR (RNAV) AT KSPK.  
ADDED HOLDING PAT 1.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: GUY COPELAND

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A430

NAME: BEV L BORDY

SIGNATURE:

*Digitally signed by*  
**ROBERT G HAMILTON**

Dec 23, 2024

QUALITY  
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