

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BHIVE **STATE:** UT **COUNTRY:** US **ICAO REGION CODE:** K2  
**LATITUDE/LONGITUDE:** 405830.37N/1120107.76W **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	SALT LAKE CITY	I-UAT	LOC/DME		343.95	354.95	12.22	12.21		7500	8700

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

**REMARKS:**

I-UAT DME ANT: 404619.63N/1115946.36W

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16R	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II - III)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16R	1		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R	1		KSLC	SALT LAKE CITY	UT (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 6 **DATE OF REVISION:** 02/20/2025

**REASON FOR REVISION:**

1. MOVED FIX 2338 FT SOUTH FOR REDESIGNED APPROACHES TO RWY 16R AT KSLC.
2. FIX MAKE-UP FACILITIES: FAC 1 DME CHANGED FROM 12.60 TO 12.22 AND DIST FROM FAC NM CHANGED FROM 12.60 TO 12.21.
3. REMARKS: UPDATED I-UAT DME ANT LAT/LONG: FROM 404619.61N/1115946.36W TO 404619.63N/1115946.36W.
4. FIX USE: CHANGED IAP RNAV (GPS) RWY 16R AT KSLC TO RNAV (GPS) Y RWY 16R, AND COMBINED FORMATTING FOR IAP'S ILS RWY 16R CAT II AND CAT III AT KSLC.
5. FIX USE: ADDED IAP RNAV (RNP) Z RWY 16R AT KSLC.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A431	<b>NAME:</b> RICHARD CHRISTENSEN
<b>APPROVED BY:</b>	<b>DATE:</b> 02/20/2025	<b>OFFICE:</b> AJV-A431	<b>NAME:</b> ERIC N SUSKI
<b>SIGNATURE:</b>			

# RADIO FIX AND HOLDING DATA RECORD

NAME: BNKER

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 405351.36N/1120035.12W

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	SALT LAKE CITY	I-UAT	LOC/DME		343.95	354.95	7.55	7.55	45864	6000	8700

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

I-UAT DME ANT: 404619.63N/1115946.36W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16R	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II - III)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R			KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

- MOVED FIX 384 FT NORTH FOR ALIGNMENT WITH NEW RWY 16R PROCEDURES AT AIRPORT.
- FIX MAKE-UP FACILITIES: FAC 1 DME AND DIST FROM FAC NM CHANGED FROM 7.49 TO 7.55, AND FEET FROM 45481 TO 45864.
- REMARKS: REMOVED "USED RNP PFAF FORMULA TO CALCULATE FIX COORDINATES".
- REMARKS: UPDATED LAT/LONG FOR I-UAT DME ANT: FROM "404619.61N/1115946.36W" TO "404619.63N/1115946.36W".
- FIX USE: CHANGED IAP RNAV (GPS) RWY 16R AT KSLC TO RNAV (GPS) Y RWY 16R, AND COMBINED FORMATTING FOR IAP'S ILS RWY 16R CAT II AND CAT III AT KSLC.
- FIX USE: ADDED IAP RNAV (RNP) Z RWY 16R AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: RICHARD CHRISTENSEN

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: EKKHO

LATITUDE/LONGITUDE: 411327.17N/1120435.59W

AIRSPACE DOCKET:

HOLDING:

STATE: UT

TYPE: WP

FIX TYPE OF ACTION: ESTABLISH

HOLDING TYPE OF ACTION:

COUNTRY: US

ICAO REGION CODE: K2

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	ILS OR LOC RWY 16L			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 17			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16L (CAT II - III)			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II - III)			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 17 (SA CAT I - II)			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16L			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 17			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16L			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 17			KSLC	SALT LAKE CITY	UT (US)
STAR	SKEES (RNAV)			KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

INITIATED BY:

OFFICE OF PRIMARY RESPONSIBILITY:

APPROVED BY:

DATE:

DATE: 02/20/2025

DATE: 02/20/2025

SIGNATURE:

ORGANIZATION:

AJV-A431

OFFICE: AJV-A431

NAME:

NAME: WESTLEY OWENS

NAME: ERIC N SUSKI

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** FAIRFIELD VORTAC      **STATE:** UT      **COUNTRY:** US      **ICAO REGION CODE:** K2  
**LATITUDE/LONGITUDE:** 401629.62N/1115625.91W      **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	FAIRFIELD	FFU	VORTAC	VH							45000

**FIX RESTRICTIONS:**

MCA V200 12500 EASTBOUND  
MCA V200 10700 NORTHWEST BOUND  
MCA V134 10800 EASTBOUND  
MCA V235 12500 NORTHEAST 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	S	FFU	VORTAC	160.00	340.00	R	1		10000	45000	9	29
2	S	FFU	VORTAC	188.00	008.00	R	1		10700	45000	9	29
3	S		WP	160.00	340.00	R		7	10000	14000	10	11
4	S		WP	160.00	340.00	R		7	11000	17500	10	17
5	S	FFU	VORTAC	160.00	340.00	R	1		9000	14000	9	10
6	S		WP	160.16	340.16	R		7	9000	12000	10	10
7	S	FFU	VORTAC	160.00	340.00	R	1		11500	14000	9	18
8	S		WP	160.00	340.00	R		4	9100	10000	4	4

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	401630.00N/1115627.00W	7888	4B
2	230	AAO	401630.00N/1115627.00W	7878	4E
2	310	AAO	402342.00N/1113945.00W	10286	4E
3	230	AAO	401630.00N/1115627.00W	7888	4B
4	230	AAO	401656.65N/1115631.75W	7855	2A
5	230	AAO	401524.00N/1115536.00W	7840	2C
6	230	AAO	401630.00N/1115627.00W	7878	4E
7	230	AAO	401628.78N/1115625.96W	7898	4E
7	310	AAO	395627.00N/1114351.00W	10065	4E
8	175	TOWER (49-000246)	401643.63N/1115603.31W	7843	4D

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	230	190
2	310	380
2	230	240
3	230	220
4	230	118
5	230	132
6	230	143
7	230	180
7	310	380

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	TEXTUAL DEPARTURE	U42	SALT LAKE CITY	UT (US)
3	RNAV (GPS) RWY 13	KPVU	PROVO	UT (US)
3	RNAV (GPS) Y RWY 16L	KSLC	SALT LAKE CITY	UT (US)
5	ILS OR LOC RWY 13	KPVU	PROVO	UT (US)
7	SPANISH FORK (OBSTACLE)	KSPK	SPANISH FORK	UT (US)

**REMARKS:**

CHART PAT 1 ENRT LOW AND ENRT HIGH  
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING WITHIN R-6412 B & D.  
FFU VORTAC MAGVAR: 16E/1965.  
HOLDING PAT 2 310K OBSTACLE LOCATED 12,128' INTO THE SECONDARY AREA.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	COPTER RNAV (GPS) 05		8	2UT4	HEBER CITY	UT (US)
SPECIAL IAP	COPTER RNAV (GPS) 16		8	UT37	MT. PLEASANT	UT (US)
SPECIAL IAP	COPTER RNAV (GPS) 34		8	UT11	MURRAY	UT (US)
SPECIAL IAP	RNAV VISUAL RWY 31			KPVU	PROVO	UT (US)

SPECIAL IAP	COPTER RNAV (GPS) 10	8	UT51	PROVO	UT (US)
SPECIAL IAP	COPTER RNAV (GPS) 27	8	3UT6	RIVERTON	UT (US)
SPECIAL IAP	COPTER RNAV (GPS) 31	8	3UT6	RIVERTON	UT (US)
SPECIAL IAP	COPTER RNAV (GPS) 34	8	UT08	SALT LAKE CITY	UT (US)
DP	PROVO	5	KPVU	PROVO	UT (US)
DP	FAIRFIELD		KSLC	SALT LAKE CITY	UT (US)
DP	SALT LAKE	1	KSLC	SALT LAKE CITY	UT (US)
DP	TEXTUAL DEPARTURE		KSLC	SALT LAKE CITY	UT (US)
DP	SOUTH VALLEY (RNAV)	3	U42	SALT LAKE CITY	UT (US)
DP	TEXTUAL DEPARTURE	2	U42	SALT LAKE CITY	UT (US)
DP	SPANISH FORK (OBSTACLE)	7	KSPK	SPANISH FORK	UT (US)
EN ROUTE	J11				(US)
EN ROUTE	J116				(US)
EN ROUTE	J12				(US)
EN ROUTE	J202				(US)
EN ROUTE	J9				(US)
EN ROUTE	V134				(US)
EN ROUTE	V200				(US)
EN ROUTE	V21				(US)
EN ROUTE	V235				(US)
IAP	RNAV (GPS) RWY 17		U14	NEPHI	UT (US)
IAP	RNAV (GPS) RWY 35		U14	NEPHI	UT (US)
IAP	ILS OR LOC RWY 13	5	KPVU	PROVO	UT (US)
IAP	RNAV (GPS) RWY 13	3	KPVU	PROVO	UT (US)
IAP	ILS OR LOC RWY 16L	1	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 17	1	KSLC	SALT LAKE CITY	UT (US)
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	ILS RWY 16L (CAT II-III)	1	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 17 (SA CAT I-II)	1	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (CAT II-III)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (SA CAT I)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34R (CAT II-III)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34R (SA CAT I)		KSLC	SALT LAKE CITY	UT (US)
IAP	LDA RWY 35		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16L	3	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 17	3	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 16L	3	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 17	3	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) RWY 34	6	U42	SALT LAKE CITY	UT (US)
STAR	BEARR		KSLC	SALT LAKE CITY	UT (US)
STAR	BRIGHAM CITY		KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)	4	KSLC	SALT LAKE CITY	UT (US)
STAR	JAMMIN		KSLC	SALT LAKE CITY	UT (US)
STAR	SKEES (RNAV)	4	KSLC	SALT LAKE CITY	UT (US)
STAR	SPANE		KSLC	SALT LAKE CITY	UT (US)
STAR	YUTES (RNAV)	4	KSLC	SALT LAKE CITY	UT (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 37

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

**REASON FOR REVISION:**

1. HOLDING: UPDATED PATTERN 1 AND 3 CONTROLLING OBSTRUCTIONS AND ASSOCIATED INFORMATION; REVISED OBSTACLE IS 7888 FT AAO.
2. HOLDING: UPDATED PAT 1 MINIMUM HOLDING ALTITUDE FROM 9000 TO 10000.
3. HOLDING: CHANGED PAT 4 INBOUND COURSE FROM 343 TO 340.
4. HOLDING: REMOVED CLIMB-IN-HOLD FROM YUTES (RNAV) AND CARTR (RNAV) STAR.
5. REMARKS: DELETED "HOLDING PAT 3 PRECIPITOUS ADJUSTMENT OF 117 (116.4) WAS DERIVED FROM AFS-APPROVED SOFTWARE OBTAINED FROM WFPT IN ORDER TO RETAIN THE 9000 MINIMUM PATTERN ALTITUDE."
6. ADDED ALPHABETICAL IDENTIFIER Y TO RNAV (GPS) RWY 16L, RNAV (GPS) RWY 17/35, AND RNAV (GPS) RWY 34L AT KSLC.
7. FIX USE: ADDED RNAV (RNP) Z RWY 17, RNAV (RNP) Z RWY 16L, CARTR (RNAV) STAR, YUTES (RNAV) STAR, AND PITTT (RNAV) STAR AT KSLC.
8. FIX USE: FIX USE: DELETED DELTA (RNAV) STAR, LEEHY (RNAV) STAR, NORDK (RNAV) STAR, PITT (RNAV) STAR, QWENN (RNAV) STAR, AND WAATS (RNAV) STAR AT KSLC.
9. FIX USE: FIX USE: DELETED RNAV (GPS) RWY 16R AT KSLC.
10. FIX USE: COMBINED ILS SPECIAL AUTHORIZATION (SA) CATEGORY NOTATIONS FOR ILS RWY 16L, ILS RWY 17, AND ILS RWY 34L/R AT KSLC.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** PARNELL PRASSADA

**APPROVED BY:**

**DATE:** 02/20/2025

**OFFICE:** AJV-A431

**NAME:** ERIC N SUSKI

**SIGNATURE:**

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: JICCU

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 410413.73N/1120147.92W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (GPS) Y RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R			KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

FIX USE: RNAV (GPS) RWY 16R CHANGED TO RNAV (GPS) Y RWY 16R, AND ADDED RNAV (RNP) Z RWY 16R AT KSLC.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: RICHARD CHRISTENSEN
APPROVED BY:	DATE: 02/20/2025	OFFICE: AJV-A431	NAME: ERIC N SUSKI
SIGNATURE:			

# RADIO FIX AND HOLDING DATA RECORD

NAME: OGDEN VORTAC

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411326.74N/1120553.67W

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	OGDEN	OGD	VORTAC	VL						17500

## FIX RESTRICTIONS:

MCA V6 10700 EASTBOUND

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	280.54	100.54	R	1	9000 17500	9 16
2	NW	WP	VORTAC	306.00	126.00	R	8	9000 17500	12 17
3	NW	OGD	VORTAC	310.00	130.00	R	1	7000 14000	8 10
4	NW	OGD	VORTAC	302.00	122.00	R	1	8300 12000	9 9
5	NW	WP	VORTAC	310.00	130.00	R	7	9000 14000	10 11

## CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	411827.00N/1122651.00W	7195	4E
2	265	AAO	411827.00N/1122651.00W	7195	4E
3	230	TOWER (49-000162)	411517.00N/1121416.00W	5037	3C
3	310	AAO	411214.73N/1115303.53W	9640	2C
4	230	AAO	411827.00N/1122651.00W	7195	4E
5	230	AAO	411827.00N/1122651.00W	7195	4E

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	290
2	265	370
3	230	180
3	310	380
4	230	260
5	230	310

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	OGDEN (OBSTACLE)	KBMC	BRIGHAM CITY	UT (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 2 265K EVALUATED FOR MILITARY USE.

PAT 4 OBSTACLE LOCATED 1.83 NM INTO SECONDARY, PRIMARY EQUIVALENT 6238.41.

PAT 5 OBSTACLE LOCATED 1.67 NM INTO SECONDARY, PRIMARY EQUIVALENT 7587.

PAT 4 ATC USE.

MRA FROM OTHER FACILITIES, NAME: WASATCH, IDENT: TCH, TYPE: VORTAC, CLASS: H, MAG BRG: 330.78, TRUE BRG: 346.78, DME: 23.03, MRA: 7000, MAA 45000 (SUBSTITUTE ROUTE).

CHART: MTA V236 NE TO V21-101 SE 12000.

ASSIGNED FACILITY MAGVAR: 14E/1990.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	COPTER RNAV (GPS) 05			UT16	OGDEN	UT (US)
DP	OGDEN (OBSTACLE)		1	KBMC	BRIGHAM CITY	UT (US)
DP	EMONT (OBSTACLE)			KOGD	OGDEN	UT (US)
DP	TAKEOFF MINIMUMS			KSLC	SALT LAKE CITY	UT (US)
EN ROUTE	V101					(US)
EN ROUTE	V21					(US)
EN ROUTE	V236					(US)
EN ROUTE	V6					(US)
EN ROUTE	ZK489 (SPECIAL)					(US)
IAP	RNAV (GPS) RWY 35			KBMC	BRIGHAM CITY	UT (US)
IAP	RNAV (GPS) RWY 35			KLGU	LOGAN	UT (US)
IAP	ILS OR LOC Z RWY 14			KHIF	OGDEN	UT (US)
IAP	ILS OR LOC RWY 3			KOGD	OGDEN	UT (US)
IAP	VOR-A			KOGD	OGDEN	UT (US)
IAP	ILS OR LOC RWY 16L			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 17			KSLC	SALT LAKE CITY	UT (US)



IAP	ILS OR LOC RWY 34L		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 34R	1	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16L (CAT II-III)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II-III)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 17 (CAT I-II)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 17 (SA CAT I - II)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (CAT II-III)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (SA CAT I)		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34R (CAT II-III)	1	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34R (SA CAT I)	1	KSLC	SALT LAKE CITY	UT (US)
IAP	LDA RWY 35	3	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16L		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 17		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 34R	2	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 35	2	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 34R	2	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 35	2	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV(GPS) RWY 16R		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 17		KTVY	TOOELE	UT (US)
STAR	BEARR		KSLC	SALT LAKE CITY	UT (US)
STAR	BRIGHAM CITY		KSLC	SALT LAKE CITY	UT (US)
STAR	JAMMIN		KSLC	SALT LAKE CITY	UT (US)
STAR	SPANE		KSLC	SALT LAKE CITY	UT (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 35

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

**REASON FOR REVISION:**

1. HOLDING: ADDED RNAV (RNP) Z RWY 34R AND RNAV (RNP) Z RWY 35 TO PAT 2 AT KSLC.
2. FIX USE: ADDED ALPHABETICAL IDENTIFIER Y TO RNAV (GPS) RWY 17/35 AND RWY 34 AT KSLC.
3. FIX USE: ADDED RNAV (RNP) Z RWY 34R AND RNAV (RNP) Z RWY 35.
4. FIX USE: ADDED RNAV (RNP) Z RWY 17, CARTR (RNAV) STAR, YUTES (RNAV) STAR, PITTT (RNAV) STAR AT KSLC.
5. FIX USE: FIX USE: DELETED DELTA (RNAV) STAR, LEEHY (RNAV) STAR, NORDK (RNAV) STAR, SKEES (RNAV) STAR, AND WAATS (RNAV) STAR AT KSLC.
6. FIX USE: UPDATED AND COMBINED "ILS OR LOC RWY 17 (CAT I)" AND "ILS OR LOC RWY 17 (CAT II)" TO READ "ILS RWY 17 (SA CAT I-II)" AT KSLC.
7. FIX USE: COMBINED ILS STANDARD CATEGORY NOTATIONS FOR ILS RWY 16L/R, AND ILS RWY 34L/R AT KSLC.
8. REQUIRED CHARTING: ADDED SECTIONAL.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** PARNELL PRASSADA

**APPROVED BY:**

**DATE:** 02/20/2025

**OFFICE:** AJV-A431

**NAME:** ERIC N SUSKI

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 410839.42N/1120219.12W
TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	SALT LAKE CITY	I-UAT	LOC/DME		343.95	354.95	22.40	22.40		9000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-UAT	LOC/DME	R-344	23	9000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-UAT DME ANT: 404619.63N/1115946.36W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16R	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II - III)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R			KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8

DATE OF REVISION: 02/20/2025

REASON FOR REVISION:

1. REMARKS: UPDATED I-UAT DME ANT COORDINATES FROM 404619.61N/1115946.36W TO 404619.63N/1115946.36W.

2. FIX USE: ADDED IAP RNAV (RNP) Z RWY 16R AT KSLC, AND RNAV (GPS) RWY 16R CHANGED TO RNAV (GPS) Y RWY 16R AT KSLC.

3. FIX USE: COMBINED FORMATTING FOR IAP'S ILS RWY 16R CAT II AND CAT III AT KSLC.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: RICHARD CHRISTENSEN

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: STACO STATE: UT COUNTRY: US ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 404919.91N/1122510.55W TYPE: WP, INT, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	WASATCH	TCH	VORTAC	VH	249.32	265.32	20.00	20.00	8100	17500
2	OGDEN	OGD	VORTAC	VL	197.30	211.30	28.17	28.17	8100	17500
3	MALAD CITY	MLD	VOR/DME	VH	162.00	179.00	82.63	82.63	13000	17500
4	FAIRFIELD	FFU	VORTAC	VH	310.42	326.42	39.46	39.46	12100	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MLD	VOR/DME	R-162	83	13000	17500

## FIX RESTRICTIONS:

MCA V257 10500 SOUTHBOUND  
 MCA V200 11000 SOUTHEAST 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	W	TCH	VORTAC	249.32	069.32	R	1		9000	17500	11	18
2	W		WP	251.32	071.32	R		7	9000	17500	10	17
3	W	TCH	VORTAC	249.32	069.32	L	1		8100	14000	10	11
4	W		WP	251.32	071.32	L		7	8100	17500	10	17
5	W		WP	252.32	072.32	R		7	9000	12000	10	10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	403920.79N/1123720.86W	8239	2C
2	230	AAO	403920.79N/1123720.86W	8239	2C
3	230	AAO	405048.00N/1122957.00W	6847	4B
4	230	AAO	405048.00N/1122957.00W	6847	4B
4	310	AAO	403921.00N/1123721.00W	8235	4B
5	230	AAO	403920.79N/1123720.86W	8239	2C

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	145
2	230	260
3	230	140
4	310	220
4	230	160
5	230	260

## REASON FOR NONSTANDARD HOLDING:

PAT 3 AVOID RISING TERRAIN TO THE SOUTH.  
 PAT 4 AVOID RISING TERRAIN TO THE SOUTH

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	RNAV (GPS) Y RWY 16R	KSLC	SALT LAKE CITY	UT (US)

## REMARKS:

WASATCH (FAC 1) AND OGDEN (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 PAT 3 AND 4 HOLDING ALTITUDES TO REMAIN AT 8100 FOR KSLC ILS OR LOC RWY 34L, ILS OR LOC RWY 16R, AND RNAV (GPS) RWY 34L.  
 FAC 1 ALTITUDE BELOW AIRWAY MEA FOR HOLDING AT KSLC.  
 DISTANCE OF 39.46 USED TO DERIVE TEMPLATES FOR PAT 1.  
 PAT 2 CONTROLLING OBSTACLE LOCATED 2698 FT INTO SECONDARY AREA.  
 PAT 5 CONTROLLING OBSTACLE LOCATED 3355 FT INTO SECONDARY AREA.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	STACO (RNAV)		5	KTVY	TOOELE	UT (US)
DP	TAKEOFF MINS	1, 2		KTVY	TOOELE	UT (US)
EN ROUTE	V200	1, 2, 4				(US)
EN ROUTE	V257	1, 3, 4				(US)

EN ROUTE	V32	1, 2, 4	1			(US)
IAP	RNAV (GPS) RWY 3			KOGD	OGDEN	UT (US)
IAP	ILS OR LOC RWY 16R	1, 2	3	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 34L	1, 2	3	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II - III)	1, 2	3	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)	1, 2	3	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (CAT II - III)	1, 2	3	KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 34L (SA CAT I)	1, 2	3	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) RWY 34L		4	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16R		4	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 34L		4	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R		4	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 34L		4	KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) RWY 34		2	U42	SALT LAKE CITY	UT (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 26

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

**REASON FOR REVISION:**

1. FIX MAKE-UP FACILITIES: FAC 1, 2, 3 AND 4 CLASS UPDATED: FAC 1, 3, 4 FROM H TO VH, FAC 2 FROM L TO VL.
2. CONTROLLING OBSTRUCTIONS: PAT 3 AND 4 OBST CHANGED FROM 6849 6C AAO 405050.80N/1122946.60W TO 6847 4B AAO 405048.00N/1122957.00W, AND ADDED 310 AIRSPEED OBST 8235 4B AAO 403921.00N/1123721.00W TO PAT 4.
3. PRECIPITOUS TERRAIN ADDITIONS: PAT 4 230 SPEED CHANGED FROM 150 TO 160, ADDED 310 SPEED 220 PR ADDITION TO PAT 4, AND ADDED PAT 3 230 SPEED 140 PR ADDITION.
4. PROCEDURES REQUIRING CLIMB-IN-HOLD: ADDED PAT 4 RNAV (GPS) Y RWY 16R AT KSLC.
5. REMARKS: ADDED OGDEN (FAC 2) TO ESTABLISH FIX COORDINATES, AND REMOVED DISTANCE OF 28.17 USED TO DERIVE TEMPLATES FOR PAT 4.
6. FIX USE: CORRECTED FORMATTING FOR ILS RWY 16R/34L AT KSLC TO COMBINE CAT II AND III TO MATCH PUBLICATION PLATES.
7. FIX USE: ADDED RNAV (RNP) Z RWY 16R AND RNAV (RNP) Z RWY 34L AT KSLC.

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

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A431                      **NAME:** RICHARD CHRISTENSEN

**APPROVED BY:**                      **DATE:** 02/20/2025                      **OFFICE:** AJV-A431                      **NAME:** ERIC N SUSKI

**SIGNATURE:**

## RADIO FIX AND HOLDING DATA RECORD

NAME: WEBER

STATE: UT

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 411513.95N/1120144.88W

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	SALT LAKE CITY	I-MOY	LOC/DME		343.96	354.96	29.02	29.02		11000	17500

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-MOY	LOC/DME	R-344	33	11000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

I-MOY DME ANT: 404618.72N/1115818.13W.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16L	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS OR LOC RWY 17			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16L (CAT II - III)	1		KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (CAT II - III)			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 16R (SA CAT I)			KSLC	SALT LAKE CITY	UT (US)
IAP	ILS RWY 17 (SA CAT I - II)			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16L			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (GPS) Y RWY 17			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16L			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 16R			KSLC	SALT LAKE CITY	UT (US)
IAP	RNAV (RNP) Z RWY 17			KSLC	SALT LAKE CITY	UT (US)
STAR	CARTR (RNAV)			KSLC	SALT LAKE CITY	UT (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 02/20/2025

## REASON FOR REVISION:

1. LATITUDE/LONGITUDE: CHANGED FROM "411911.85N/1120213.36W" TO "411513.95N/1120144.88W" - FIX MOVED 3.98 NM SOUTH/FIX NAME RETAINED AT ATC REQUEST.
2. FIX MAKE-UP FACILITIES: FAC 1 MAG/TRUE BRG CHANGED FROM "343.95/354.95" TO "343.96/354.96".
3. FIX MAKE-UP FACILITIES: FAC 1 DME/DISTANCE FROM NM CHANGED FROM "33.00" TO "29.02".
4. FIX MAKE-UP FACILITIES: FAC 1 MRA CHANGED FROM "12000" TO "11000".
5. REMARKS: CHANGED "I-MOY DME ANT: 404618.71N/1115818.11W" TO "404618.72N/1115818.13W".
6. FIX USE: ADDED KSLC IAP "RNAV (RNP) Z RWY 17" AND ALL ASSOCIATIONS.
7. FIX USE: ADDED ALPHABETICAL IDENTIFIER "Y" TO RNAV (GPS) RWY 17 AT KSLC.
8. FIX USE: ADDED KSLC IAP "RNAV (GPS) Y RWY 16L" AND ALL ASSOCIATIONS.
9. FIX USE: ADDED KSLC IAP "RNAV (RNP) Z RWY 16L" AND ALL ASSOCIATIONS.
10. FIX USE: ADDED KSLC IAP "RNAV (GPS) Y RWY 16R" AND ALL ASSOCIATIONS.
11. FIX USE: ADDED KSLC IAP "RNAV (RNP) Z RWY 16R" AND ALL ASSOCIATIONS.
12. FIX USE: ADDED KSLC IAP "RNAV (RNP) Z RWY 17" AND ALL ASSOCIATIONS.
13. FIX USE: ADDED KSLC IAP "ILS OR LOC RWY 16R" AND ALL ASSOCIATIONS.
14. FIX USE: ADDED KSLC IAP "ILS RWY 16R (CAT II - III)" AND ALL ASSOCIATIONS.
15. FIX USE: ADDED KSLC IAP "ILS RWY 16R (SA CAT I)" AND ALL ASSOCIATIONS.
16. FIX USE: ADDED KSLC IAP "ILS RWY 16L (CAT II - III)" AND ALL ASSOCIATIONS.
17. FIX USE: ADDED KSLC STAR "CARTR (RNAV)" AND ALL ASSOCIATIONS.
18. FIX USE: REMOVED KSLC STAR "NORDK (RNAV)" AND ALL ASSOCIATIONS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: WESTLEY OWENS

APPROVED BY:

DATE: 02/20/2025

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE: