

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BOULDER CITY VORTAC      **STATE:** NV      **COUNTRY:** US      **ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 355944.84N/1145148.88W      **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 FEET	MAA
1	BOULDER CITY	BLD	VORTAC	H						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	SE	BLD	VORTAC	150.00	330.00	R	1		6000	14000	7	10
2	SE		WP	150.00	330.00	R		6	6000	14000	8	11
3	SE	BLD	VORTAC	150.00	330.00	R	1-1 1/2		7000	17500	8	16

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	355652.00N/1145650.00W	4320	2C
1	310	AAO	355948.00N/1143642.00W	5466	4E
2	230	AAO	355651.00N/1145654.00W	4262	3E
2	310	AAO	355948.00N/1143642.00W	5466	4E
3	230	AAO	355652.00N/1145650.00W	4320	2C
3	310	AAO	355948.00N/1143642.00W	5466	4E

**PRECIPITOUS TERRAIN ADDITIONS:**

PAT	SPEED	ADDITION
1	230	300
1	310	300
2	310	300
2	230	300
3	310	300
3	230	300

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

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

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 26R	KLAS	LAS VEGAS	NV (US)
2	RNAV (GPS) RWY 1R	KLAS	LAS VEGAS	NV (US)
3	ILS OR LOC RWY 26L	KLAS	LAS VEGAS	NV (US)
3	ILS OR LOC RWY 1L	KLAS	LAS VEGAS	NV (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED  
 FACILITY MAGVAR IS 15E  
 PAT 1,2 230KT HOLDING PATTERN FOR MILITARY AIRCRAFT  
 PAT 1 (230KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 3803)  
 PAT 1 (310KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4559)  
 PAT 2 (310KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4738)  
 PAT 3 (310KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4738)  
 SITEE (RNAV) STAR PAT 2 LOST COMM

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS			KHND	LAS VEGAS	NV (US)
DP	HOOVER		1	KLAS	LAS VEGAS	NV (US)
DP	LAS VEGAS		1	KLAS	LAS VEGAS	NV (US)
DP	MCCARRAN		1	KLAS	LAS VEGAS	NV (US)
DP	SHEAD (RNAV)			KLAS	LAS VEGAS	NV (US)
DP	TAKEOFF MINIMUMS			KLAS	LAS VEGAS	NV (US)
DP	BOULDER CITY			KVGT	LAS VEGAS	NV (US)
EN ROUTE	J107					(US)
EN ROUTE	J110					(US)
EN ROUTE	J60					(US)
EN ROUTE	J72					(US)
EN ROUTE	J86					(US)
EN ROUTE	J92					(US)
EN ROUTE	Q114					(US)
EN ROUTE	Q74					(US)
EN ROUTE	V105					(US)
EN ROUTE	V21					(US)
EN ROUTE	V237					(US)
EN ROUTE	V283					(US)
EN ROUTE	V514					(US)
EN ROUTE	V587					(US)

EN ROUTE	V629				(US)
IAP	VOR/DME RWY 21		KIGM	KINGMAN	AZ (US)
IAP	VOR-C	1	KHND	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 1L	3	KLAS	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 26L	3	KLAS	LAS VEGAS	NV (US)
IAP	ILS OR LOC RWY 26R	1	KLAS	LAS VEGAS	NV (US)
IAP	RNAV (GPS) RWY 1R	2	KLAS	LAS VEGAS	NV (US)
IAP	VOR RWY 26 L/R	1	KLAS	LAS VEGAS	NV (US)
IAP	VOR/DME-A	1	KLAS	LAS VEGAS	NV (US)
STAR	COYOT		KPHX	PHOENIX	AZ (US)
STAR	MAIER (RNAV)		KPHX	PHOENIX	AZ (US)
STAR	ADDEL (RNAV)	2	KHND	LAS VEGAS	NV (US)
STAR	JOMIX (RNAV)	2	KHND	LAS VEGAS	NV (US)
STAR	KNGMN (RNAV)	2	KHND	LAS VEGAS	NV (US)
STAR	NOOTN (RNAV)	2	KHND	LAS VEGAS	NV (US)
STAR	CLARR		KLAS	LAS VEGAS	NV (US)
STAR	CRESO		KLAS	LAS VEGAS	NV (US)
STAR	FUZZY		KLAS	LAS VEGAS	NV (US)
STAR	GRNPA (RNAV)	2	KLAS	LAS VEGAS	NV (US)
STAR	KADDY	1	KLAS	LAS VEGAS	NV (US)
STAR	KEPEC (RNAV)	2	KLAS	LAS VEGAS	NV (US)
STAR	LUXOR	1	KLAS	LAS VEGAS	NV (US)
STAR	SITEE (RNAV)	2	KLAS	LAS VEGAS	NV (US)
STAR	SUNST (RNAV)	2	KLAS	LAS VEGAS	NV (US)
STAR	TYSSN (RNAV)	2	KLAS	LAS VEGAS	NV (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 18

**DATE OF REVISION:** 08/17/2017

**REASON FOR REVISION:**

HOLD PAT 3, LEG TIME CHANGED FROM 1 TO 1-1 1/2 AND MIN ALT CHANGED FROM 6200 TO 7000  
 UPDATED PAT1 310KT AAO FROM 355950.90N/1143643.50W TO 355948N/1143642W, ELEV FROM 5645 (6C) TO 5466 (4E)  
 PAT 1 OBS CHANGED FROM 4142FT AAO AT 355736N/1145633W (4E) TO 4320FT AAO AT 355652N/1145650W (2C)  
 PAT 2 OBS CHANGED FROM 4342FT AAO AT 355652.61N/1145649.93W (2C) TO 4262FT AAO AT 355651N/1145654W (3E)  
 ADDED PAT 2 310KT AAO DUE TO KLAS RNAV (GPS) RWY 1R CIH REQUIREMENT  
 PAT 3 (230KT) OBS CHANGED FROM 4342FT AAO AT 355652.61N/1145649.93W (2C) TO 4320FT AAO AT 355652N/1145650W (2C)  
 PAT 3 (310KT) OBS CHANGED FROM 5645FT AAO AT 355950.9N/1143643.5W (6C) TO 5466FT AAO AT 355948N/1143642W (4E)  
 UPDATED ALL PRECIPITOUS TERRAIN ADDITIONS TO 300  
 ADDED KLAS ILS OR LOC RWY 26R AND RNAV (GPS) RWY 1R TO PROCEDURES REQUIRING CLIMB-IN-HOLD  
 FIX USE (KLAS): CHANGED ILS OR LOC RWY 25L AND 25R TO 26L AND 26R, ILS OR LOC/DME RWY 1L TO ILS OR LOC RWY 1L (NOW USING  
 CIH PAT 3), VOR RWY 25 L/R TO VOR RWY 26 L/R  
 ADDED REMARK 'PAT 1 (230KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 3803)'  
 ADDED REMARK 'PAT 1 (310KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4559)'  
 ADDED REMARK 'PAT 2 (310KT) CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4738)'  
 CHANGED REMARK '310KT PATTERN CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4917)' TO 'PAT 3 (310KT)  
 CONTROLLING OBSTACLE LOCATED IN SECONDARY (PRIMARY EQUIV 4738)'

**DEVELOPED BY:**      **DATE:** 04/18/2017      **OFFICE:** AJV-5422      **NAME:** LUCAS MCCLOUD

**APPROVED BY:**      **DATE:**      **OFFICE:** AJV-5420      **NAME:** JULIE MORGAN

**SIGNATURE:**

**DISTRIBUTION:**      **NFDC**  
                          **FPO:** WST  
                          **ARTCC:** ZLA  
                          **ATC FACILITY:** LAS APP CON/ATCT  
                          **OTHER:**