MISSION DATA CARD			
OPORD	Callsign	Mission	Date/Time
1132/2022	T-Rex 2	Training	311200AUG22

Task	Range 62 AGM Drill	Freq
AO		132.25

Departure	Recovery
DREAM FOUR	HI-ILS or LOC/DME Z RWY 21L

#	Callsign	Pilot	IFF	TCN	LSR	NET
-1	T-Rex 2-1	Thunder	1521	27Y	1651	25/01

LOADOUT			
A/A	2xA9L	GUN	100% CM
A/G	2xA65L, 6xG12, 6xM82, 7M282L	CHF	120
POD	TGP, A184	FLR	360
TKS		FUEL	70%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	7760				

AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	ALAMO B	N36 55.499 W115 12.549	20000	

COMMS	
Radio	Usage
1	132.25
2	11-3-4-16-11-4-3

SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
TEXACO 1		94Y	265.0	17000	290
	Pos	AR-641A: CDC 242/78 (N3728 W11439)			

RADIO CHANNELS		
#	Freq	Name
1		Flight/Squadron specific
2	289.4	Nellis Clearance Delivery
3	275.8	Nellis Ground
4	327.0	Nellis Tower
5	385.4	Nellis Approach/Departure West
6	273.55	Nellis Approach/Departure East
7	317.525	Nellis Control -- Sally
8	254.4	Nellis Control-- Lee
9	305.6	SOF Bullseye
10	343.725	EMERGENCY SINGLE FRQ
11	270.1	Nellis ATIS
12	360.625	Creech AFB Tower
13	250.1	HAVE QUICK 13
14	251.1	HAVE QUICK 14
15	252.1	HAVE QUICK 15
16	377.8	Blackjack
17	265.0	KC-135 AR-641A
18	360.8	KC-135MPRS AR-635
19	319.8	KC-135MPRS AR-625
20	300.05	KC-135 AR-231V

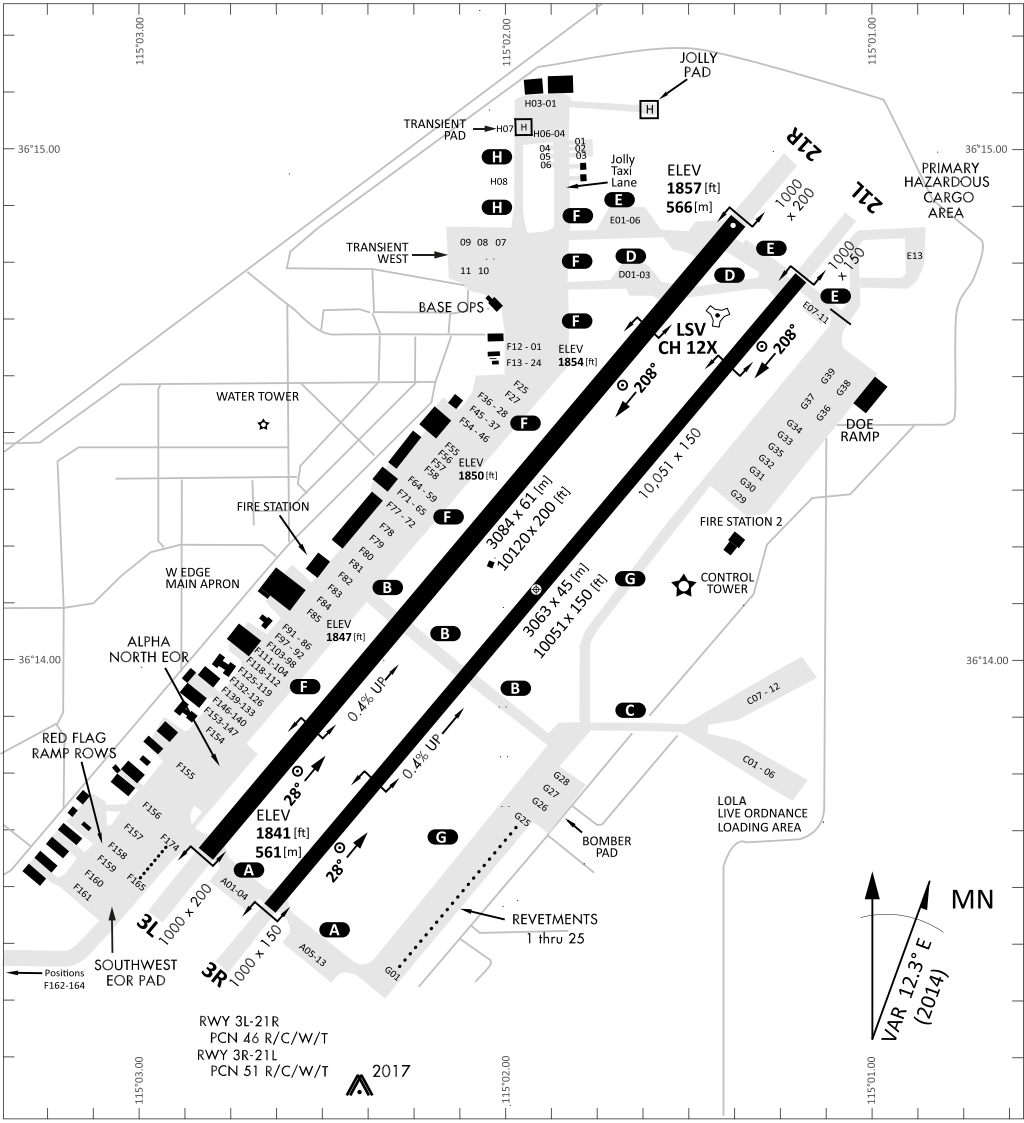
RAMROD									
0	1	2	3	4	5	6	7	8	9
L	A	D	Y	F	I	N	G	E	R

KTC 1400 C									
	0	1	2	3	4	5	6	7	8	9
A	VISM	LNO	PGY	AX	RK	WCE	HD	TU	QB	FJ
B	LRQD	BJY	AVU	ES	NP	GTX	FK	CH	MW	OI
C	RNIY	ESH	KAB	JC	MP	LXW	GV	FU	OQ	DT
D	YBJQ	PCW	HGE	IM	DT	ASO	UK	XL	FV	RN
E	OKCS	MED	NQY	BI	JH	APX	WF	GV	LU	RT
F	PBCU	QKN	YVF	GW	EO	IDL	XH	AM	JR	TS
G	LKCM	RGQ	EYX	IN	DF	VAP	HT	SJ	OW	UB
H	TQXA	YPR	GUO	MJ	ND	HFB	LV	WI	KE	CS
I	UOIF	JCR	QKL	SA	WM	EHN	PY	GB	TD	VX
J	XKYF	GJQ	DNT	PR	LV	MHS	IE	AU	OW	BC
K	APSQ	HEO	CMG	DJ	YT	LRX	FI	WN	KV	UB
L	DGCH	KJV	BTX	UE	OS	ANQ	PI	RM	YF	LW
M	XWOH	KTS	MRQ	GU	JN	LDV	AE	PI	FY	BC
N	XLHK	PJD	ISR	VO	GU	WEF	NM	AY	CT	BQ
O	NDLW	OAU	BJY	ES	IM	HGT	VX	CF	QP	RK
P	OWAC	IGL	EUN	DT	KS	HYB	MR	QX	PF	JV
Q	RLFP	TYA	JBW	OD	MQ	VIG	EK	XN	SH	CU
R	TLIA	YNK	JXR	DC	MB	HPV	FS	OU	GW	EQ
S	ANQS	GKI	PER	MB	HL	WUV	FX	OC	TD	YJ
T	HFQK	GPX	RYA	UW	TI	LOE	BC	DV	SM	JN
U	UNEA	PXG	BMW	LC	IS	VDR	YO	TQ	JH	FK
V	GIOQ	EXP	ARU	HD	JV	LSF	WB	NT	YM	CK
W	FSAC	QVY	PEO	XB	NR	MWH	ID	KG	UT	JL
X	KLES	HCI	NWY	QX	FV	MRU	DO	AJ	GB	TP
Y	WQTJ	VRB	USM	DC	YX	NHK	OA	EG	PL	FI

NAVAIDS				
Id	Name	Channel	Position	Elevation
BCE	Bryce Canyon	75	N3741.35 W11218.23	9040
BIH	Bishop	33	N3722.62 W11821.99	4114
BLD	Boulder	114	N3559.75 W11451.82	3650
BTY	Beatty	94	N3648.54 W11644.86	2925
CDC	Cedar City	120	N3747.24 W11304.90	5463
DAG	Daggett	79	N3457.75 W11634.69	1760
EED	Needles	99	N3445.96 W11428.43	650
GFS	Goffs	91	N3507.87 W11510.59	4019
GRL	Groom Lake	18	N3713.91 W11548.16	4475
HEC	Hector	74	N3447.83 W11627.78	1854
ILC	Wilson Creek	110	N3815.02 W11423.65	9318
INS	Creech AFB	87	N3635.20 W11540.12	3101
LAS	McCarran Intl	116	N3604.78 W11509.59	2142
LSV	Nellis	12	N3614.68 W11501.50	1864
MLF	Milford	58	N3821.62 W11300.79	4977
MMM	Mormon Mesa	90	N3646.16 W11416.65	2120
MVA	Mina	98	N3833.92 W11801.97	7860
OAL	Coale Dale	124	N3800.20 W11746.23	4800
PGS	Peach Springs	57	N3537.48 W11332.67	4754
TPH	Tonopah Muni	119	N3801.84 W11702.01	5330
TQQ	Silverbow	77	N3748.00 W11647.00	5500
UTI	St George	23	N3705.29 W11335.53	2871

AERODROME DIAGRAM | VALID 2014

Las Vegas, Nevada **NELLIS AFB (KLSV)**



	RWY	CAT	MINIMA
PAR	21L	A B D E	**2057** - 0.8 200 (200-0.8/1.6) GS 3°
	3R	A B D E	**2057** - 0.8 200 (200-0.8/1.6) GS 3°
SRA	21R	A C D E	**2257** - 1.2 350 (350-1.2/1.6)
	3L	A C D E	**2257** - 1.2 350 (350-1.2/1.6)

ARP
36° 14.060` N
115° 01.058` W

ELEV
1857 [ft]
566 [m]

Scale 1:35`500

0 300 600 900 1200 1500 [m]

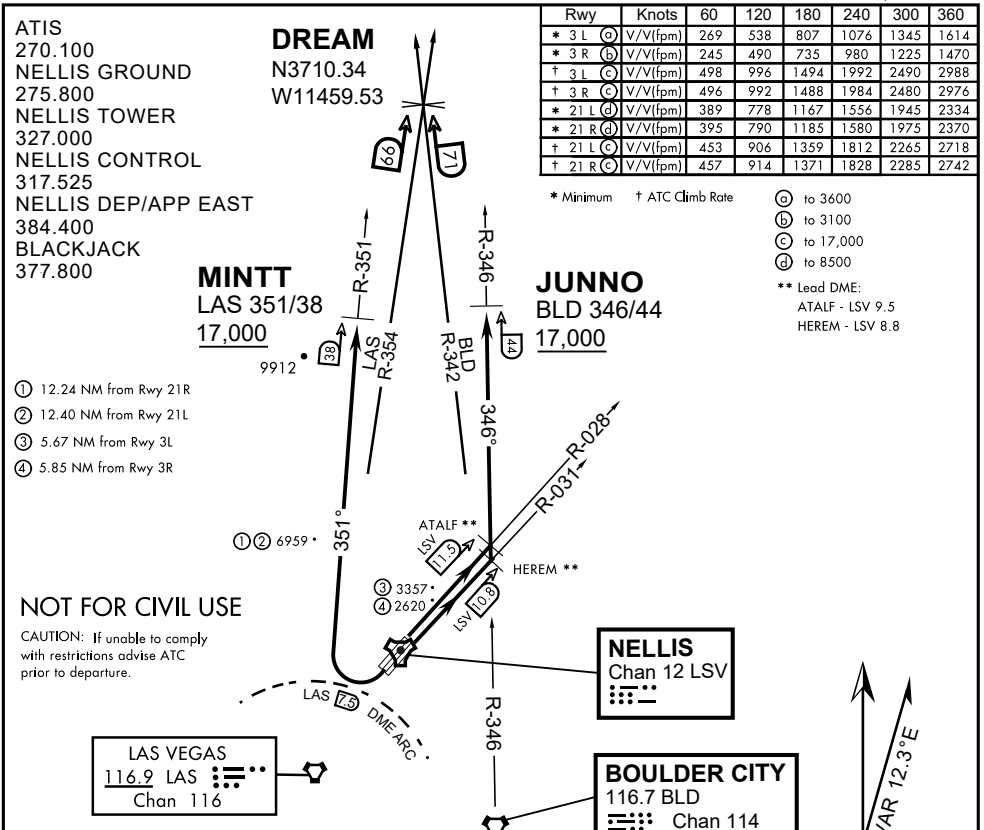
0 1000 2000 3000 4000 5000 [ft]

RWY	TORA	TODA	ASDA	LDA	PSN THR	ALS
21L	**10051** [ft] **3063** [m]	**11051** [ft] **3368** [m]	**11051** [ft] **3368** [m]	**10051** [ft] **3063** [m]	36°14.043`N 115°01.018`W	⊕
3R	**10120** [ft] **3084** [m]	**11120** [ft] **3398** [m]	**11120** [ft] **3398** [m]	**10120** [ft] **3084** [m]	36°13.029`N 115°02.038`W	

ATIS	NELLIS GROUND	NELLIS TOWER	NELLIS CONTROL	TACAN	ILS RWY 21L	NELLIS EAST	NELLIS WEST
270.100 MHz	275.800 | 121.800	327.000 | 132.55	317.525	LSV 12X	109.10 Mhz	384.400	385.000

DREAM FOUR DEPARTURE DREAM4 | **VALID 2014**

NELLIS AFB (KLSV)
LAS VEGAS, NEVADA



Rwy	Knots	60	120	180	240	300	360
* 3 L ⓐ	V/V(fpm)	269	538	807	1076	1345	1614
* 3 R ⓑ	V/V(fpm)	245	490	735	980	1225	1470
† 3 L ⓒ	V/V(fpm)	498	996	1494	1992	2490	2988
† 3 R ⓒ	V/V(fpm)	496	992	1488	1984	2480	2976
* 21 L ⓓ	V/V(fpm)	389	778	1167	1556	1945	2334
* 21 R ⓓ	V/V(fpm)	395	790	1185	1580	1975	2370
† 21 L ⓒ	V/V(fpm)	453	906	1359	1812	2265	2718
† 21 R ⓒ	V/V(fpm)	457	914	1371	1828	2285	2742

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RWY 3L

- Fly runway heading to intercept the LSV TACAN R-028 then direct ATALF, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 3R

- Fly runway heading to intercept the LSV TACAN R-031 then direct HEREM, intercept the BLD VORTAC R-346 then direct JUNNO, cross JUNNO at or above 17,000, then via assigned route.

TAKE-OFF RWY 21L/R

- Turn right to intercept LAS VORTAC R-351 outbound. Remain North of LAS 7.5 DME turning Northbound. Intercept LAS R-351 between 5000 and 6000, do not proceed West of LAS R-351. Cross MINTT at or above 17,000, then via assigned route.

NOISE ABATMENT PROCEDURES: Fly acc. Nellis Noise Abatement instructions

vJaBoG32 NTTR NAV CHART

LAS VEGAS, NEVADA

HI-ILS or LOC Z RWY 21L

NELLIS AFB (KLSV)

LOC I-DIQ	APCH CRS
109.1	209°

	21L	21R
Rwy ldg	10,051	10,120
TDZE	1865	1869
Arpt Elev	1869	

JAL-227 (USAF)

* When ALS inop, increase CAT CDE RVR to 40, vis to 3/4 mile.
** When ALS inop, increase CAT CDE vis to 1 3/4 miles.
*** Circling not authorized E of Rwy 3R-21L.

Rwy 21L ALSF-1 (A1)

† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb-in-hold to 15,000. Missed approach not for civil use.

ATIS	APP CON	TOWER	GND CON	CLNC DEL
270.1	124.95 273.55	132.55 327.0	121.8 275.8	120.9 289.4

† CAUTION: Missed Approach Minimum Climb Rate to 15,000

Knots	60	120	180	240	300	360
V/V(fpm)	398	796	1194	1592	1990	2388

Controlling Obstacle 6959'

15,000 (IAF) ARCOE LSV 30

LSV 39

RONKY LSV 25

OLNIE LSV 21

WISTO LSV 21

KRYSS LSV 21

ROTSE LSV 7.3 RADAR

JELIR LSV 4

(IF) SHEET LSV 13.2

LOCALIZER 109.1 I-DIQ

NELLIS LSV Chan 12

ROCKX LSV 2.5

Max holding alt FL190

Minimum navaid reception at ARCOE 15,000 MSL.

CAUTION: Missed approach with 200 ft/NM climb gradient not available.

Missed Approach requires use of RNAV or ATC RADAR monitoring.

MSA LSV 25 NM
11,200
190°
070°
6500
9700
340°

RADAR or DME REQUIRED

EMERG SAFE ALT 100 NM 14,000

15,000 LSV R-210 | ROCKX LSV 2.5

VGSI and ILS glidepath not coincident (VGSI angle 3.00/TCH 54).

‡LOC only

TACAN | SESDE .6 ‡ 1.9 | JELIR 4 | ROTSE 7.3 RADAR | SHEET 13.2 Intcp Lczr | KRYSS R-030 21 | OLNIE R-003 21 | WISTO R-358 21

209° | 210° | 3140‡ | 4200 | 5000 | 8900 | 12,500 | 21 Arc | GS 3.00° TCH 50

0.4 | 3.4 NM | 3.3 NM

ELEV 1869

TDZE 21L 1865
TDZE 21R 1869

209° 7.2NM from FAF

BCN | 2011 | 2116 | 1889 | 1951 | 1949 | TWR 1978

10,120 x 200 -0.4% DOWN

10,051 x 150 -0.4% DOWN

3L 3R | 21L 21R

HIRL all Rwys

CATEGORY	C	D	E
S-ILS 21L*	2065/24	200	(200-½)
S-LOC 21L**	2480-1⅜	615	(700-1⅜)
SIDESTEP21R	2500-1¾	631	(700-1¾)
C CIRCLING***	2620-2¼ 751 (800-2¼)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

FAF to MAP 6.7 NM

Knots	120	140	160	180	200
Min:Sec	3:21	2:52	2:31	2:14	2:01

LAS VEGAS, NEVADA

36°14'N - 115°02'W

NELLIS AFB (KLSV)

Amdt 8 03JAN19

HI-ILS or LOC Z RWY 21L

SW-4, 05 DEC 2019 to 02 JAN 2020