

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	

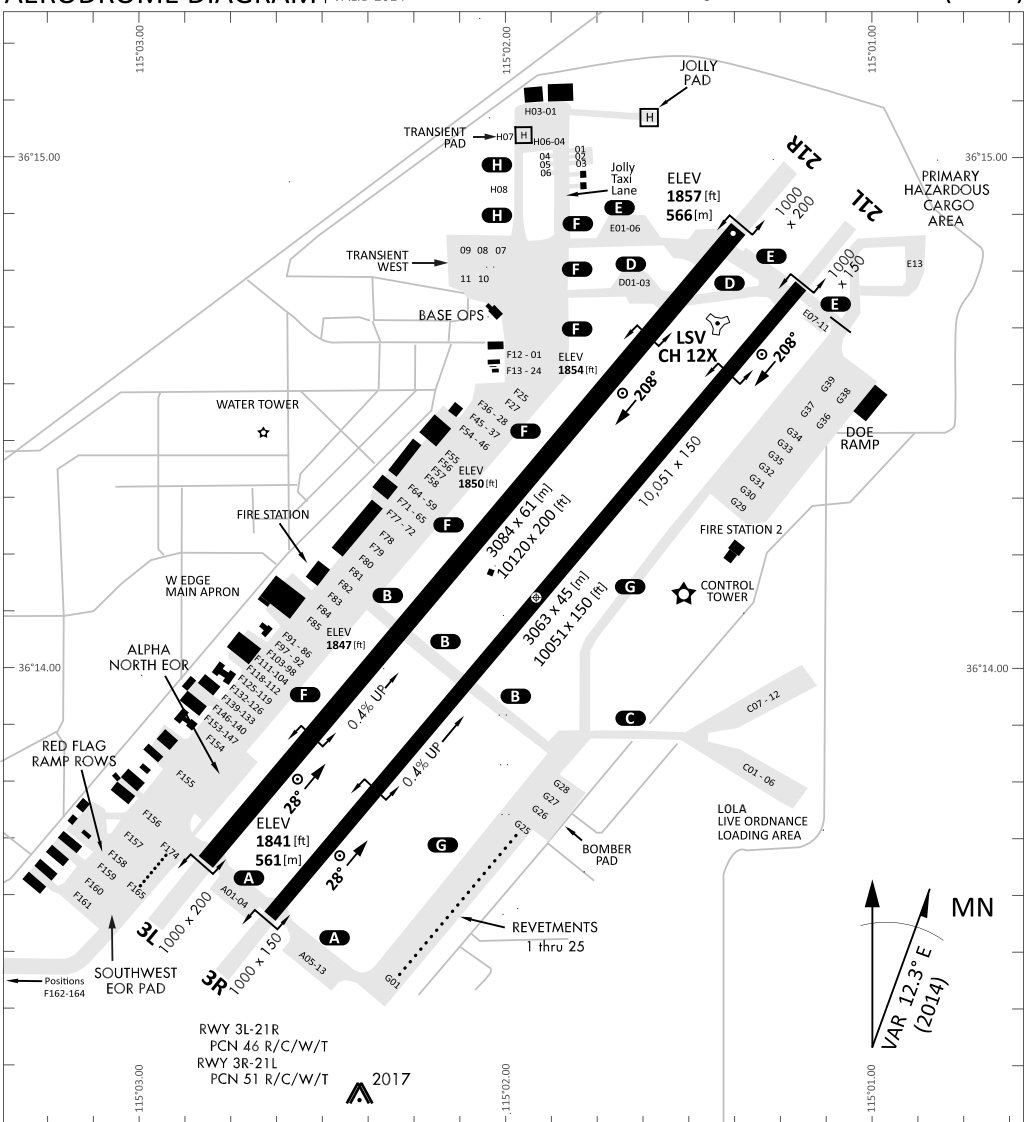
COMMS	
Radio	Usage
1	132.25
2	11-3-4-16-11-4-3

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



PAR	RWY	CAT	MINIMA		ARP 36° 14.060' N 115° 01.058' W	ELEV 1857 [ft] 566 [m]	Scale 1:35'500						
	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				0	300	600	900	1200	1500 [m]	
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				0	1000	2000	3000	4000	5000 [ft]	
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)										
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

ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800

DREAM
N3710.34
W11459.53

MINTT
LAS 351/38
17,000

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

* Minimum † ATC Climb Rate

- (a) to 3600
(b) to 3100
(c) to 17,000
(d) to 8500
- ** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- ① 12.24 NM from Rwy 21R
② 12.40 NM from Rwy 21L
③ 5.67 NM from Rwy 3L
④ 5.85 NM from Rwy 3R

NOT FOR CIVIL USE

CAUTION: If unable to comply with restrictions advise ATC prior to departure.

LAS VEGAS
116.9 LAS
Chan 116

NELLIS
Chan 12 LSV

BOULDER CITY
116.7 BLD
Chan 114

VAR 12.3°E

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

LAS VEGAS, NEVADA

HI-ILS or LOC Z RWY 21L

LOC I-DIQ 109.1	APCH CRS 209°	Rwy Idg 10,051	21L 10,120	21R 10,120
		TDZE 1865	1865	1869
		Arpt Elev 1869		

JAL-227 (USAF)

NELLIS AFB (KLSV)

T * 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 21
ALSF-1

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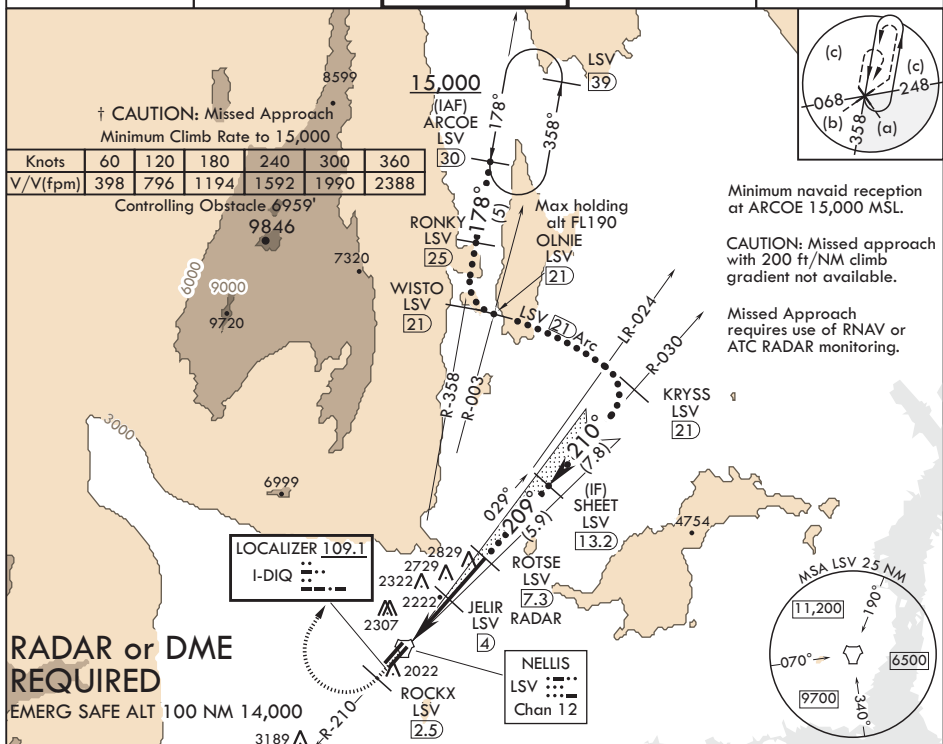


Diagram illustrating the S-LOC 21L approach for runway 21L at HIRL. The diagram shows the glide path starting at 15,000 feet, descending to 12,500 feet, then to 8900 feet, and finally to 5000 feet. Key features include the TACAN, ROTSE RADAR, and various navigation aids like LSV R-210, LSV R-25, and LSV R-358. The diagram also shows the 209° and 210° angles, the 3.00° TCH 50, and the 0.4, 3.4 NM, and 3.3 NM distances. The diagram is labeled 'S-LOC 21L' and 'HIRL all Rwy's'.

LAS VEGAS, NEVADA

36°14'N - 115°02'W

NELLIS AFB (KLSV)

HI-ILS or LOC Z RWY 21L

SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4. 05 DEC 2019 to 02 JAN 2020