

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
2103/2023		Nazgul* 6		Training		042000SEP23	
Task	ILS Training					Freq	
AO	Nellis AFB					261.25	
Departure				Recovery			
DREAM FOUR				ILS or LOC/DME X RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Nazgul* 6-1	Striver/Uta		1101	21Y	1561	
-2	Nazgul* 6-2	Tank		1102	84Y	1562	
-3	Nazgul* 6-3	TaB		1103	84X	1563	
-4	Nazgul* 6-4	Razorback		1104	21X	1564	

LOADOUT			
A/A			GUN 100% SAPHEI
A/G			CHF 240
POD			FLR 0
TKS			FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	22588				

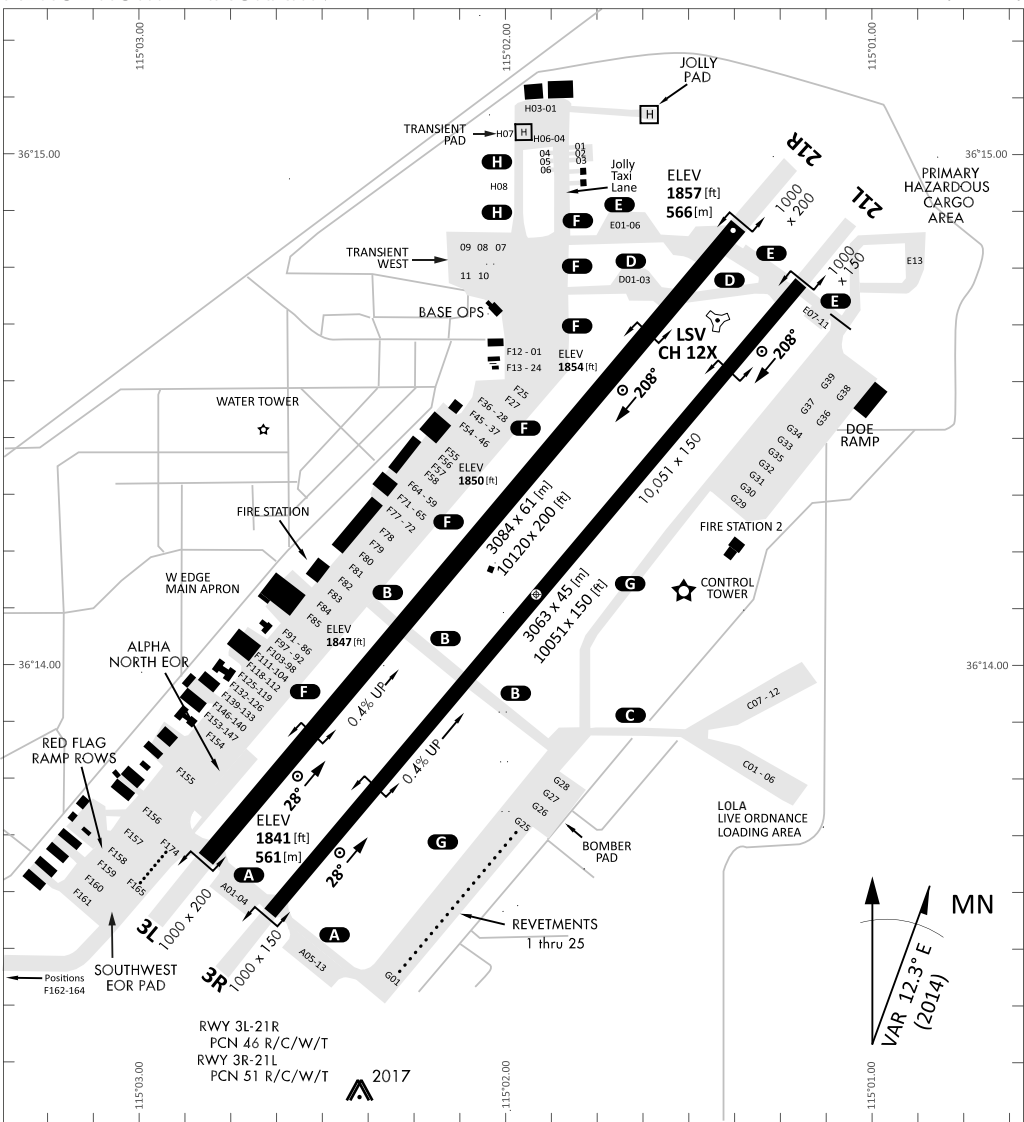
AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Div	Creech AFB	87X	290.45	275.8	360.6			

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	R61	Task	Mav + TGP		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	AO	Nellis - Creech - Nellis	Task	BJT		
Tiger 1	Training	4x F/A-18C	261.15	11/74	1	155X
	AO	Range 76.01	Task	A/G Training		
Raptor 2	Training	4x F-16C	134.0	21/84		156X
	AO	R61	Task	Mav + TGP		
Rattler 3	Training	4x AH-64D	133.5	21/84		125X
	AO	LATNC	Task			
Monster 1	Training	3x A-10C	132.15	25/88	21	161X
	AO	R62	Task			

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	
C	O	M	P	L	E	X	I	T	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	XPON	YRE	ITK	BW	GU	VDH	SJ	FM	CL	QA
B	IRDE	KWN	MAC	TX	JB	YHF	QG	US	PO	LV
C	LMTH	SKV	WBQ	IX	EF	OAN	GD	RC	PU	JY
D	MPBE	USW	IQT	CN	JA	HFR	VX	YG	DK	OL
E	XGCD	BEM	UPI	KA	JN	WYO	QH	TR	FS	VL
F	BODW	NPJ	VLH	UG	YQ	TXE	MA	RS	IK	CF
G	BXUO	JHP	GKL	EC	WR	VTD	YI	NF	MQ	SA
H	MLHC	RTG	WIQ	PV	OJ	DAU	EK	YF	XN	SB
I	LJOB	QNS	ADR	VK	XU	FIW	TE	GC	HP	MY
J	SGEP	QIX	JOT	KF	RA	BHD	YN	UV	CW	ML
K	NUHP	SXK	BYV	TF	OD	EJA	CM	QR	GW	IL
L	PMCO	WQS	YHK	NX	VB	DUR	AF	GJ	TL	EI
M	WGKL	UQR	PFN	IV	SO	TXM	EA	YH	BJ	CD
N	IXLM	BPC	WVG	ST	EA	QUK	NH	RO	JY	DF
O	TEML	QNV	CBH	XG	PW	UOS	YK	JF	DI	RA
P	EAPF	BXC	IOJ	NW	HS	LYG	QR	DK	VU	TM
Q	JBTH	AKN	EFR	DG	UY	MCS	WP	XI	QV	OL
R	LABM	XSC	FOI	HT	YU	GRP	KE	WQ	JN	VD
S	SWUL	HBK	POJ	VI	CG	AYR	QF	EM	NT	DX
T	LXFI	ECW	DRB	AG	MT	JQY	VN	UO	PH	SK
U	VTOH	XQC	IFE	JS	WP	LUM	KG	YA	DR	BN
V	KHPE	TQJ	XAM	RD	BY	SIU	GO	WV	NF	LC
W	LKFG	RNM	YDB	EI	CA	JUQ	OT	SX	HW	PV
X	KCWG	FPH	SXL	EA	VJ	NMI	DO	BT	QY	RU
Y	PVFI	ONB	ADS	EQ	UR	KTX	JH	ML	CY	WG

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

ILS or LOC X RWY 21L

LOC I-DIQ <u>109.1</u>	APCH CRS 209°	Rwy ldg 10,051	21L 10,120	21R 1869
		TDZE 1865		
		Arpt Elev 1869		

AL-227 (USAF)

NELLIS AFB (KLSV)

T * When ALS inop, increase all CAT RVR to 40, vis to 3/4 mile.
 ** When ALS inop, increase CAT AB RVR to 55, vis to 1 mile, 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 TACAN 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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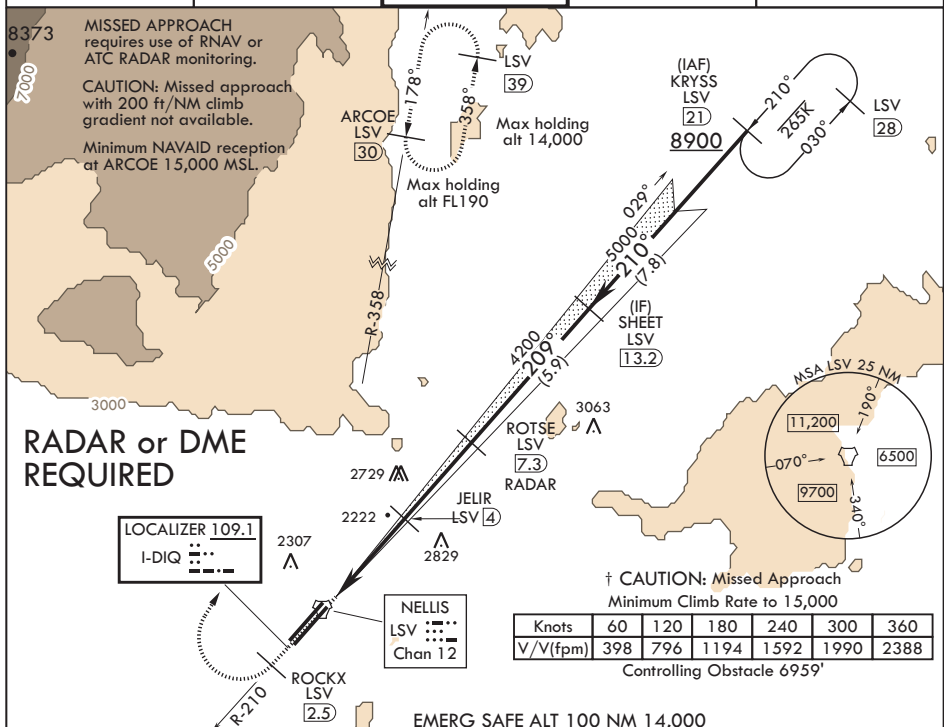


Diagram Details:

- LSV R-210**: 15,000 ft
- ROTSE RADAR**: 4200 ft
- JELIR**: 3140 ft
- SESDE**: 3140 ft
- TACAN**: 0.4 NM from start
- Glide Path Angle**: 209°
- Final Descent**: 8900 ft
- Horizontal Segments**: 0.4 NM, 3.4 NM, 3.3 NM
- Note**: VGSIs and ILS glidepaths not coincident (VGSi angle 3.00/TCH 54).

CATEGORY	A	B	C	D	E
S-ILS 21L*	2065/24		200	(200-½)	
S-LOC 21L**	2480/24	615 (700-½)	2480-1¾	615	(700-1¾)
SIDESTEP 21R	2500-1	631 (700-1)	2500-1¾	631	(700-1¾)

CIRCLING ***

Altitude	Distance	Speed
2480-1 611 (700-1)	2620-1 751 (800-1)	2620-2¼ 751 (800-2¼)
2840-3 971 (1000-3)	3040-3 1171 (1200-3)	

LAS VEGAS, NEVADA

36°14'N - 115°02'W

NELLIS AFB (KLSV)

Amdt 9 03JAN19

ILS or LOC X RWY 21L



INDIAN SPRINGS, NEVADA

TACAN INS Chan 87	APCH CRS 065 °	Rwy ldg TDZE Arpt Elev	9002 3133 3113
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INDIAN SPRINGS AF AUX (KINS)



* MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direkt KSV TACAN

114

NELLIS CON

CREECH AFB TOWER
118.30 660.60

GND CON

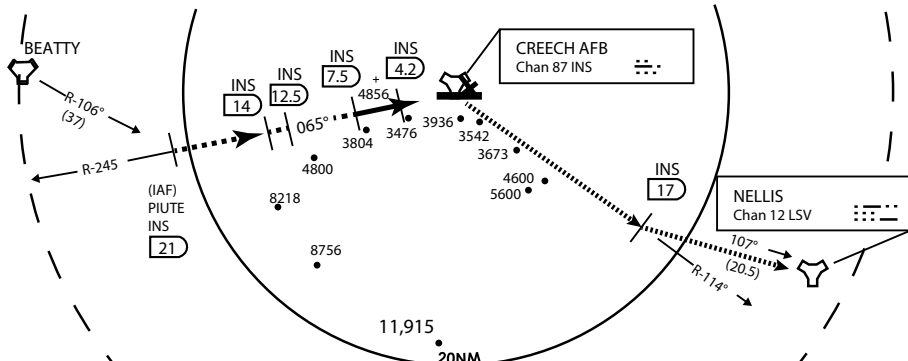
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE
AVOIDANCE AND
APPROPRIATE VFR CLOUD
CLEARANCE FOR ALL

CAUTION: Descent gradients
are greater than allowed under standard
TERPS criteria and inbound course
does not meet straight-in criteria

CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



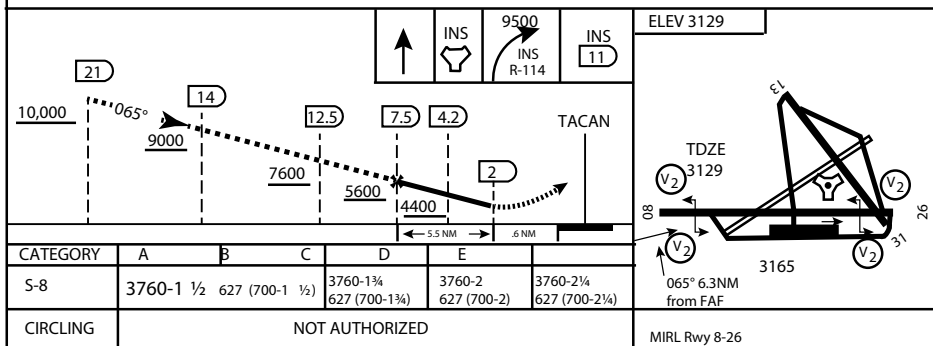
* CAUTION: Missed Approach Climb Rate to 4,700

Knots	60	120	180	240	300
V/V (fpm)	230	460	690	920	1150

Controlling Obstacle

HIGH ALTITUDE FACILITIES

EMERG SAFE ALT 100 NM 14,000



CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)

Modified by vJaBoG 66 for use with DCS

NOT FOR REAL LIFE NAVIGATION



