

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
1944/2023		Panther 2		Training		012000JUN23		
Task	Training A/G Radar Strike					Freq		
AO	Tonopah Airfield					261.45		
Departure				Recovery				
FYTTR THREE				HI-TACAN Y RWY 21L				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Panther 2-1		Razorback		1221	31Y	1571	
-2	Panther 2-2		Prinz		1222	94Y	1572	
-3	Panther 2-3		Laud		1223	94X	1573	

LOADOUT			
A/A	2xA9X, 2xA120C	GUN	100% HEI-T
A/G	2xG38	CHF	50
POD		FLR	70
TKS	2xFPU-8A	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	15291			4000	

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			

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	FYTTR	LSV 269/33 (N36 21.440 W115 41.470)	15000	
2	Beatty	N36 48 32.400 W116 44 51.600	25000	
3	Mt Helen	TQQ 162/17 (N37 30 W116 44.500)	25000	
4	Target Area Tonopah	N38 03 31.093 W117 05 34.932	5390	
5	AR635	N38 31 W115 42	24000	
6	CRYSTAL SPRING	N37 31 60 W115 13 59.988	20000	
7	ARCOE	LSV 357/30 (N36 44.260 W114 55.020)	16000	
8	LSV	N36 14 40.800 W115 01 30	3500	

COMMS	
Radio	Usage
1	3,4,16,18,16,4,3
2	Mids A: 23 Mids B:44
3	Inhouse: 261.45
4	377.6 OVRLRD - for Taskings

SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Tiger 2	Training	2x F/A-18C	261.25	11/74	1	155X
	AO	Tonopah Airfield	Task	A/G Radar JDAM Training		
Edelweiss 6	Training	2x A-10C	134.65	21/84	40	166X
	AO	R66 and Area SW of FYTTR	Task	Formation Procedures Night		
Vanguard 1	Training	1x AV-8B N/A	264.55	21/84		168X
	AO	R-61A+B	Task	AGM-65 TRAINING		
Cougar 1	Training	4x F-14B	261.25	21/84		156X
	AO		Task			
Rattler 2	Training	2x AH-64D	35.35	21/84		125X
	AO	LATNC	Task			
Monster 1	Training	3x A-10C	132.15	25/88	21	161X
	AO	R64	Task	Gun Night		

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	
P	R	O	D	U	C	T	I	V	E	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	AHDJ	RTX	LIG	WO	US	FPY	NB	KC	VM	QE
B	NLEW	UOB	IJP	MD	CH	AQR	SF	GT	KY	VX
C	AGOJ	KVB	WXI	FS	NM	QEH	LY	RC	UT	PD
D	VGUT	LRP	FDW	KQ	BI	ONE	JC	MY	SA	HX
E	BWRF	JUA	STQ	MI	XK	PLO	EY	DV	HC	GN
F	SQVL	CGM	AWJ	DF	IN	YXU	ET	KP	HO	BR
G	TAGB	IRH	YEF	MW	CD	VLX	NU	KJ	QS	PO
H	DJKC	MBV	RAX	PQ	SW	NTG	YL	EU	OF	IH
I	OEVD	KNJ	CQY	FM	WH	BIG	RU	AP	TX	LS
J	BWAS	YLC	JON	GD	PX	IRE	QF	UT	VK	MH
K	CBKF	SRN	PJL	DM	AY	HVW	TU	EI	QX	OG
L	XYIA	TBH	NVP	MG	WL	EDU	SC	QJ	FK	OR
M	AIGB	VFD	OYW	XK	PR	ELN	UH	JQ	CS	TM
N	IKVF	JEO	WHM	LC	DS	GYQ	BT	RA	XN	UP
O	IFPQ	RJX	VHW	KN	ST	YGD	CO	BA	UM	EL
P	FTOM	PQG	VNK	UX	SA	EWL	DH	YJ	RB	IC
Q	IFEQ	DSY	OHJ	UM	PW	XKL	TA	VG	NC	BR
R	RANS	CGI	WHF	PJ	TQ	UYB	OL	DV	EM	KX
S	QTDC	BEJ	VSX	IF	NR	GLU	OW	YH	MA	KP
T	SPQV	UTM	WJD	AH	BN	CXO	LF	RE	GI	KY
U	DOIU	QFT	VHS	WP	GN	RCY	XA	LE	MJ	KB
V	KIXP	TQW	YVC	FU	HM	ARJ	GE	DN	OL	BS
W	ULVK	JES	XOR	PC	MI	TNB	GQ	FY	DA	HW
X	EXBM	WCQ	FYJ	UI	SD	PHA	TV	GO	NR	KL
Y	LIWD	GUA	RSJ	NH	VM	XQF	EK	TP	OB	CY

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	ELEV	Scale
	21L	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°	36° 14.060° N	1857 [ft]	0 300 600 900 1200 1500 [m]
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°	115° 01.058° W	566 [m]	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

FYTTR THREE DEPARTURE

NELLIS AFB (KLSV)
IFR CHART | VALID 2014 LAS VEGAS, NEVADA

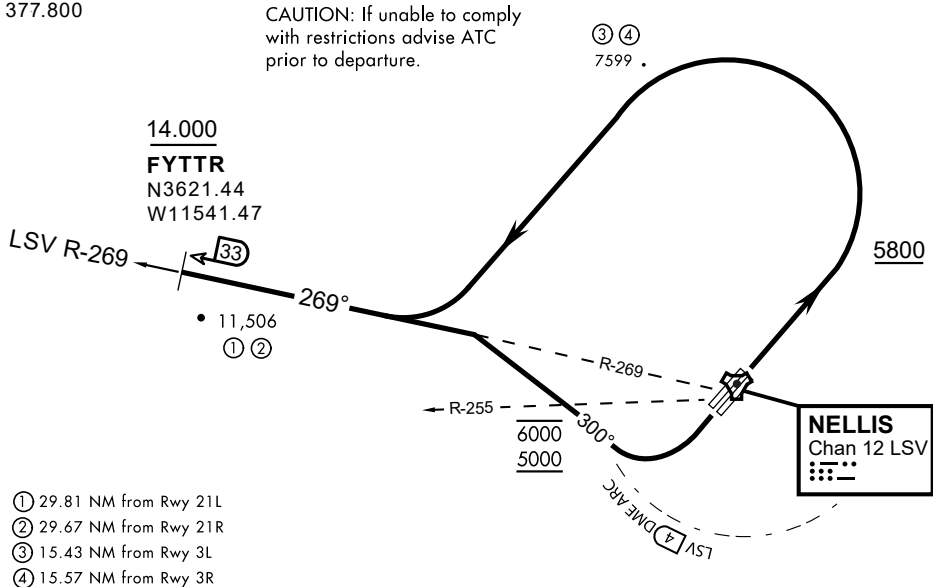
ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800



Rwy	Knots	60	120	180	240	300	360
3L ①	V/V(fpm)	394	788	1182	1576	1970	2364
3R ②	V/V(fpm)	392	784	1176	1568	1960	2352
21L ③	V/V(fpm)	388	776	1164	1552	1940	2328
21R ④	V/V(fpm)	390	780	1170	1560	1950	2340

Minimum Climb Rate
① to 9300
③ to 13 500

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



- ① 29.81 NM from Rwy 21L
- ② 29.67 NM from Rwy 21R
- ③ 15.43 NM from Rwy 3L
- ④ 15.57 NM from Rwy 3R

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R

- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

TAKEOFF RWY 21L/21R

- Turn right to intercept LSV TACAN R-269 outbound.
- Remain within LSV 4 DME until joining LSV R-269
- Cross R-255 between 5,000' and 6,000'.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

NOISE ABATEMENT PROCEDURES:

Fly according Nellis Noise Abatement instructions as published

HI-TACAN Y RWY 21L

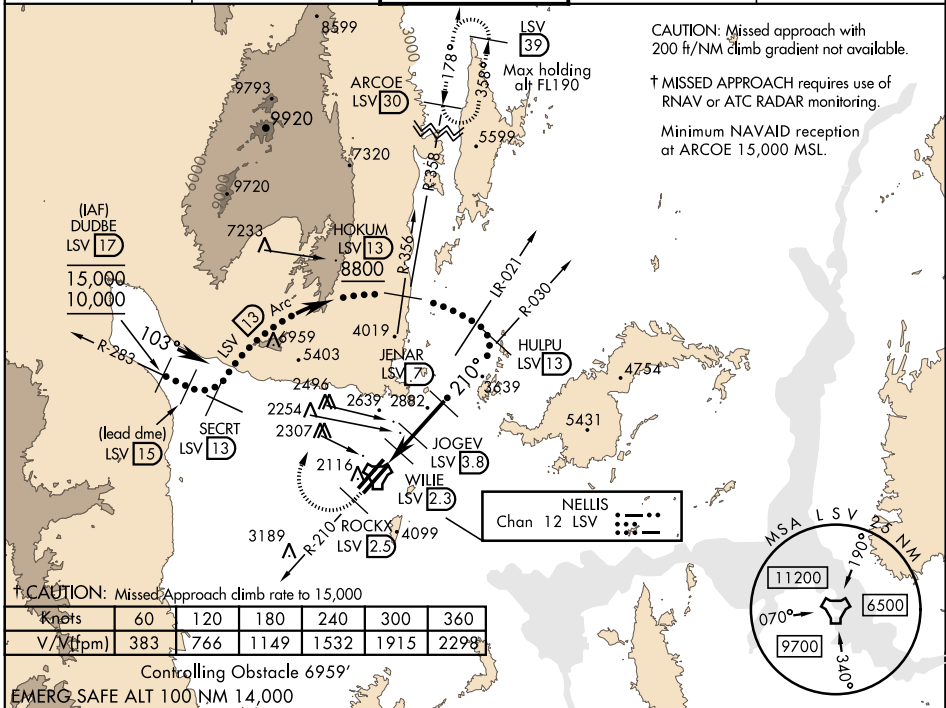
TACAN LSV Chan 12	APCH CRS 210°	Rwy ldg 21L 10,051 TDZE 1865 Arpt Elev 1869	Rwy ldg 21R 10,120 TDZE 1869
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JAL-227 [USAF] NELLIS AFB (KLSV)

⚠ * When ALS inop, increase CAT CDE vis to 1¾ miles.
** Circling not authorized E of Rwy 3R-21L.

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	NELLIS APP CON 124.95 273.55	NELLIS TOWER 132.55 327.0	GND CON 121.8 275.8	CLNC DEL 120.9 289.4
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VGSI and descent angles not coincident (VGSI angle 3.00/TCH 54).	15,000 LSV R-210	ROCKX LSV 2.5	hdg 020°	ARCOE R-358 30	ELEV 1869	TDZE 21L 1865	TDZE 21R 1869
CATEGORY	C		D		E		
S-21L *	2460-1¼		595 (600-1¼)				
SIDESTEP 21R	2460-1		591 (600-1)				
Ⓢ CIRCLING **	2620-2¼ 751 (800-2¼)		2840-3 971 (1000-3)		3040-3 1171 (1200-3)		

HI-TACAN Y 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

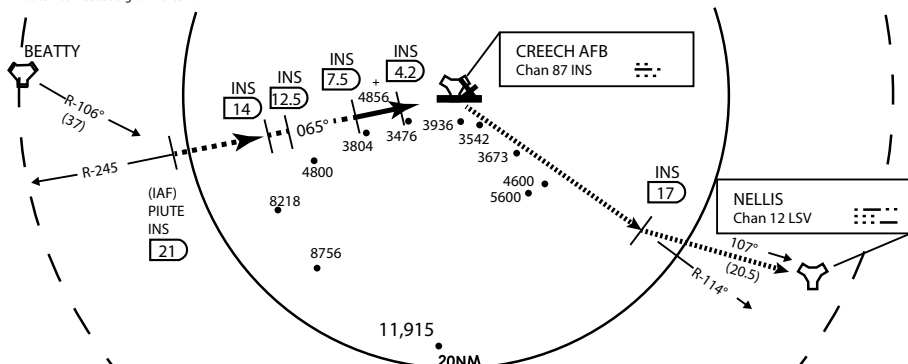
NOT FOR CIVIL USE

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

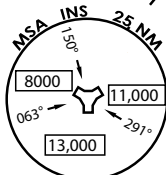
CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



* CAUTION: Missed Approach Climb Rate to 4,700

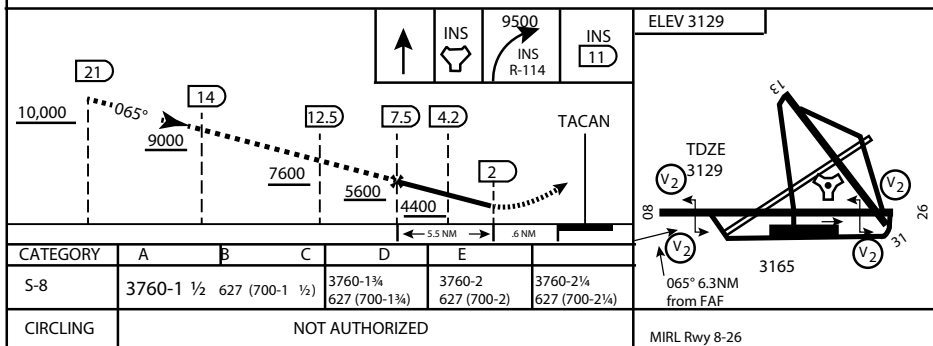
Knots	60	120	180	240	300
V/V (fpm)	230	460	690	920	1150

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

Modified by vJaBoG 66 for use with DCS
NOT FOR REAL LIFE NAVIGATION



