

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
1556/2023		Panther 3		Training		302000JAN23	
Task	IFR Training					Freq	
AO	IFR FAM NTTR					264.35	
Departure				Recovery			
FYTTR THREE				HI-TACAN Y RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Panther 3-1	Prinz		1721	23Y	1721	

LOADOUT			
A/A	2xA9X	GUN	100% HEI-T
A/G		CHF	60
POD		FLR	60
TKS	3xFPU-8A	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	17535				

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			

COMMS	
Radio	Usage
1	GND(3), TWR(4)

NOTES

Departure Nesslis via DREAM FOUR to Dream, Climb 25.000 or above

Intercept TACAN MMM (90X) Outbound 305° M at 50NM

Fly TACAN TPH (119X) Inbound 260° M at 60NM

Fly TACAN TPH (119X) Outbound 145° M to 40NM

Fly TACAN BTY (94X) Inbound 170° M at 35NM

Fly TACAN BTY (94X) Outbound 124° M to 25NM

Fly TACAN INS (87X) Inbound 75° M at 35NM

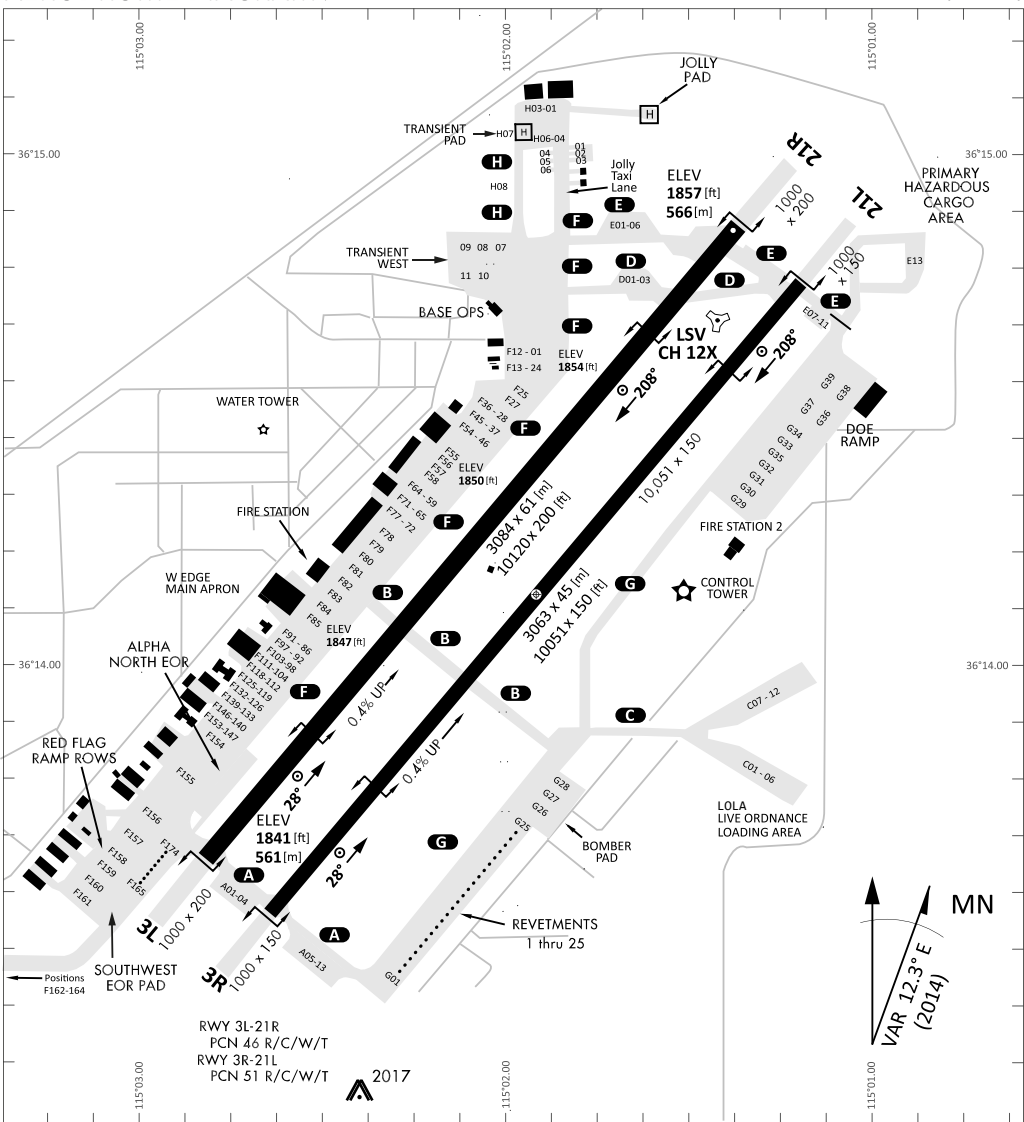
Approach and Recovery via HI-ILS or LOC/DME Z RWY 21L

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 1	Training	1x F-16C	264.15	21/84		171X
	AO	IFR FAM NTTR	Task	IFR Training		
Edelweiss 2	Training	1x F/A-18C	264.35	23/86		172X
	AO	IFR FAM NTTR	Task	IFR Training		
Edelweiss 7	Training	1x F-16C	134.5	21/84		171X
	AO		Task	LCR Chance		
Edelweiss 6	Training	1x F-16C	264.0	21/84		171X
	AO	IFR FAM NTTR	Task	IFR Training		
Edelweiss 5	Training	1x F-16C	264.3	21/84		151X
	AO	IFR FAM NTTR	Task	IFR Training		
Edelweiss 1	Training	1x F-16C	264.15	21/84		171X
	AO	IFR FAM NTTR	Task	IFR Training		

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	
E	D	U	C	A	T	I	O	N	S	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	SVXY	NWT	GMD	QA	RK	HFJ	IC	LE	PU	OB
B	GEWX	USV	NRM	PC	IA	BHL	FT	OY	KJ	DQ
C	DXHG	NBJ	YWR	MQ	FA	IKC	LE	OV	TU	SP
D	UWVS	LXG	TNY	FP	OC	ARM	JE	QH	DK	IB
E	DCNR	QEG	VML	XH	UP	ASI	WY	TB	KO	JF
F	TAIQ	WPC	YLX	JD	SO	RBG	HU	KM	NF	EV
G	SVJG	WBE	OPF	KC	AQ	TUI	HN	RM	DX	LY
H	RUWO	SBH	EFC	VA	QP	NXT	JG	LY	IK	MD
I	QWSM	JPL	XFH	KG	AC	NDT	VO	UY	RE	BI
J	UPQK	ODT	RSX	BA	CW	MFH	JL	GV	EY	NI
K	TYMP	CQJ	VXD	GI	OL	NWU	HE	FB	RK	SA
L	SOBU	CHE	VWD	AK	LM	YFT	PQ	GX	RI	NJ
M	DTYN	QHG	AVL	CU	IE	FOW	BX	JK	PR	MS
N	MHQF	NGE	OVS	TA	LI	UWX	DK	YJ	PC	RB
O	PTXV	OBF	LSJ	KM	WY	QNE	IG	RC	DH	AU
P	BJFI	KAD	GYU	NC	QO	TLH	MW	RE	SX	VP
Q	TGLY	AKF	RHS	XE	IP	BOD	WJ	QU	CV	NM
R	IRHP	FTY	AJE	KG	QM	NSW	BU	CV	OL	DX
S	TSNE	LYI	BUX	AO	VK	CDJ	QR	GP	WM	HF
T	VODW	UFP	ILX	KH	YA	BET	SC	JM	NQ	RG
U	OPHW	BDL	CAR	KM	XY	QES	FU	TV	IN	JG
V	PDSF	HYG	VBC	OI	QM	RNW	JA	XL	UT	EK
W	VKMP	AOW	ULB	DR	TI	XJS	GE	YF	NQ	CH
X	OUHM	EIN	VSY	WF	TP	CXD	LA	BQ	KG	JR
Y	KJVN	YFS	XDB	IT	LQ	WHE	CA	UO	GM	PR

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 1:35'500	
	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	RWY	CAT	MINIMA	ASDA	LDA	PSN THR	ALS
	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)	11051 [ft] 3368 [m]	10051 [ft] 3063 [m]	36°14.043°N 115°01.018°W	⊕
	3L	A C D E	2257 - 1.2 350 (350-1.2/1.6)	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

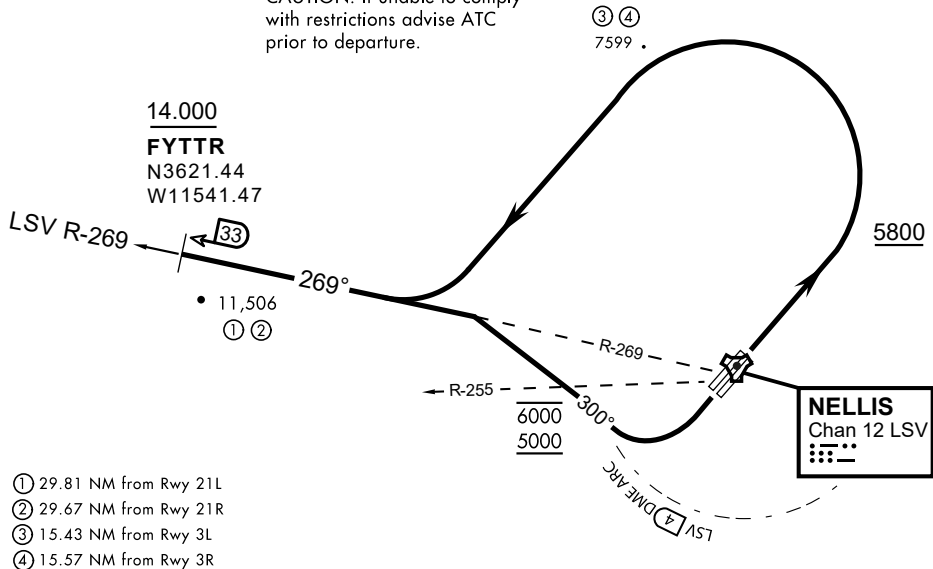


Rwy	Knots	60	120	180	240	300	360
3L ①	V/V(fpm)	394	788	1182	1576	1970	2364
3R ②	V/V(fpm)	392	784	1176	1568	1960	2352
21L ③	V/V(fpm)	388	776	1164	1552	1940	2328
21R ④	V/V(fpm)	390	780	1170	1560	1950	2340

Minimum Climb Rate

- ① to 9300
- ② 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

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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

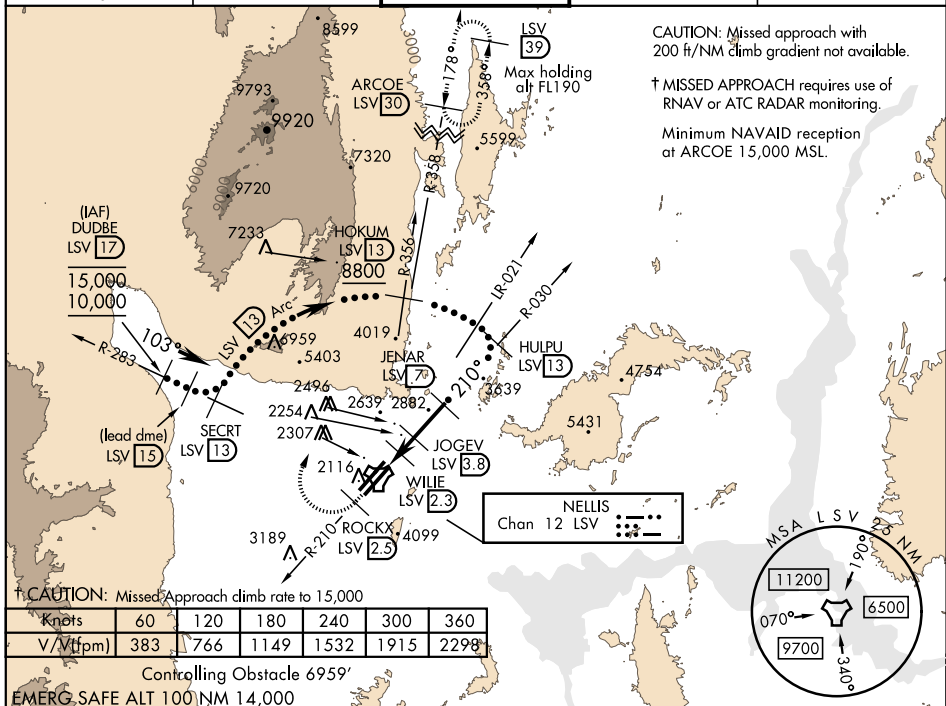
TACAN LSV Chan 12	APCH CRS 210°	Rwy ldg 21L 10,051 TDZE 1865 Arpt Elev 1869	Rwy ldg 21R 10,120 TDZE 1869
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JAL-227 [USAF]

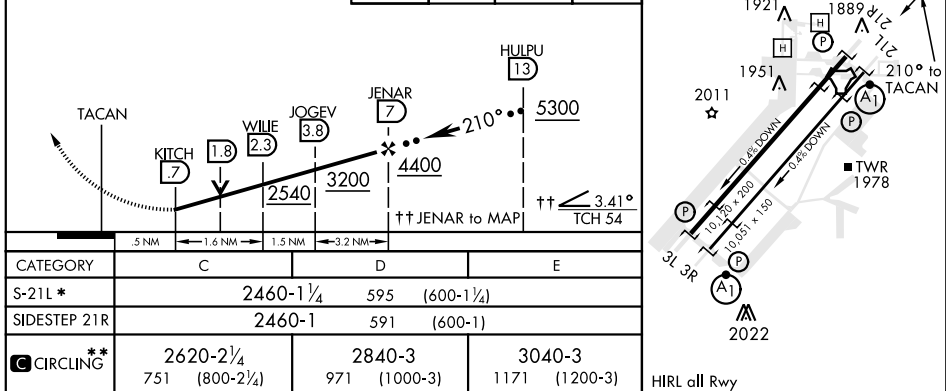
NELLIS AFB (KLSV)

✶ When ALS inop, increase CAT CDE vis to 1¾ miles. ✷✷ Circling not authorized E of Rwy 3R-21L.	ALSF-1 (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.
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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
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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

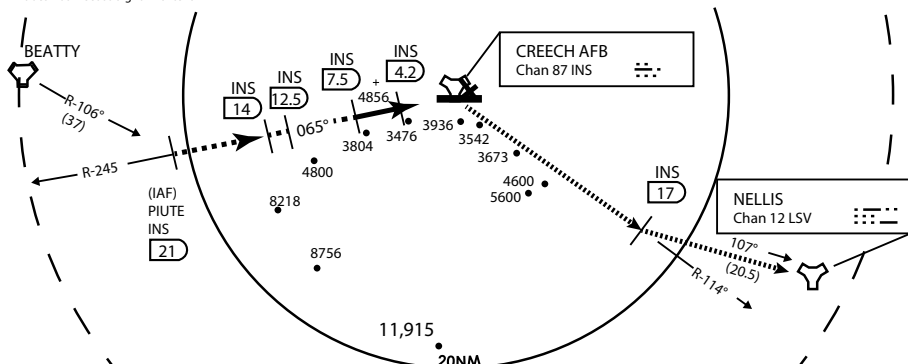
NOT FOR CIVIL USE

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



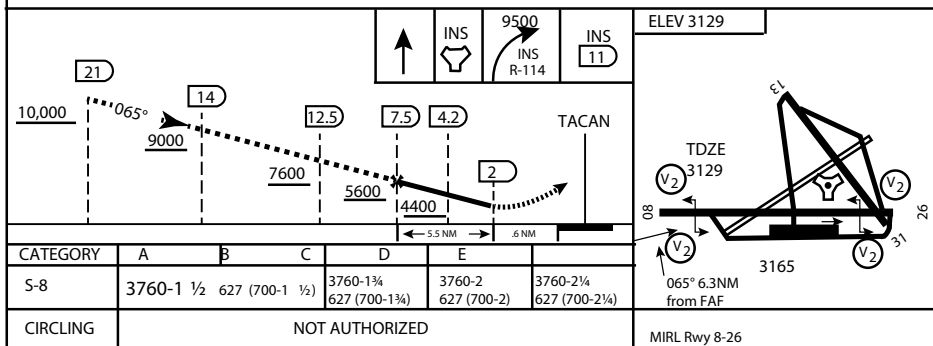
* CAUTION: Missed Approach Climb Rate to 4,700

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)



