

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
1822/2023		Cougar		Training		071300APR23		
Task							Freq	
AO							261.25	
Departure				Recovery				
FYTTR THREE				STRYK				
#	Callsign		Pilot		IFF	TCN	LSR	NET

LOADOUT			
A/A			GUN
A/G			CHF
POD			FLR
TKS			FUEL

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	11087				

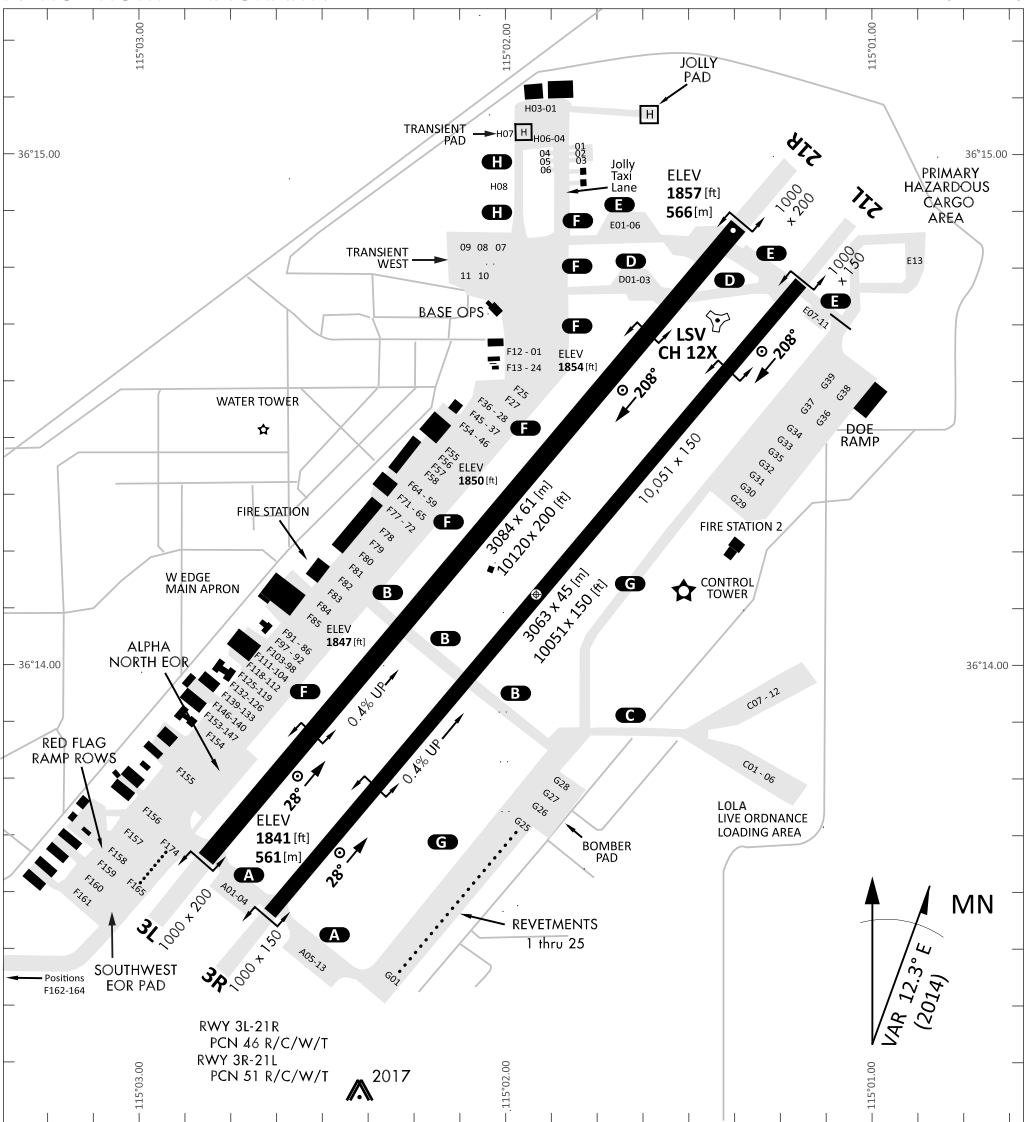
AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	FYTTR	LSV 269/33 (N36 21.440 W115 41.470)		
2	SARAH	LSV 315/25 (N36 36.450 W115 18.030)		
3	MINTT	LSV 339/28 LAS 351/38 (N36 42.740 W115 06.290)		
4	DREAM	LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530)		
5	TROUTT	LSV 323/63 (N37 17 W115 07.050)		
6	Student Gap	LSV 349/82 (N37 37 W115)		
7	INDIA			
8	BELTED PK	N37 34 W116 04.500		
9	GARTH	LSV 302/90 (N37 17.960 W116 21.260)		
10	JAYSN	N36 34.425 W116 02.444		
11	FLUSH	LSV 287/73 (N36 50.800 W116 20.270)		
12	STRYK	LSV 282/26 (N36 25.620 W115 30.700)		

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	
A	B	R	I	D	G	M	E	N	T	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	IQDG	UTH	SFA	RX	NC	VMK	YW	PO	JE	LB
B	LKIV	BPF	XYE	OH	AD	QNR	SG	JC	WU	TM
C	TJFR	IKH	ECD	QU	OY	WAX	SB	GN	LV	PM
D	VIMX	LRE	DHY	TU	SJ	ACW	QO	NG	BP	FK
E	QRFG	UIY	KPA	WV	LM	BDH	NO	JX	ET	SC
F	KBEY	GCL	PIH	UR	NA	DVQ	JO	WX	SM	FT
G	PQMY	FDA	LKB	JW	CS	UET	GO	RV	XN	IH
H	CIGA	RYJ	VDL	KB	MW	FTH	NS	OX	UP	EQ
I	UQBD	XYI	NEF	SP	OL	TJC	WH	RV	MG	AK
J	BMDY	HQE	PFN	AG	UO	WXS	TR	CK	JI	LV
K	YJXP	CWM	SNR	HI	QF	GLT	UB	EV	DA	OK
L	IWXK	RMC	NYH	AU	PE	TSL	JF	QO	GB	VD
M	MFLK	WVY	QBE	DT	OU	JHA	NP	IS	GR	CX
N	KXGL	QDF	JVR	SH	MY	IBO	UA	TC	NP	WE
O	BHQS	NAX	VDL	MJ	YO	PWR	IC	KU	GF	TE
P	EFRQ	AWO	CYG	DU	PL	VJN	BT	HX	MK	SI
Q	YDEQ	BNT	UHJ	KA	LM	FOS	XI	CV	PG	WR
R	GKCV	AYJ	TDS	UE	BO	MIW	LR	NQ	PF	HX
S	GKDA	BVI	PSJ	NQ	XU	HCO	WY	ML	RF	TE
T	HCTR	AJD	PVN	EI	KM	LBQ	WF	SG	UX	YO
U	VGTE	OMI	NXU	FC	YB	WJH	DR	LQ	KS	PA
V	LVGJ	WRU	IQP	NY	EA	BOC	HM	DX	FS	TK
W	UOTL	BJW	FHV	QN	SR	YDC	PX	IG	MK	EA
X	FAQI	PKH	NSC	VJ	BX	TRD	UY	EL	MG	OW
Y	RBON	WVH	CPA	EX	YF	KJU	QM	SG	DL	IT

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	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

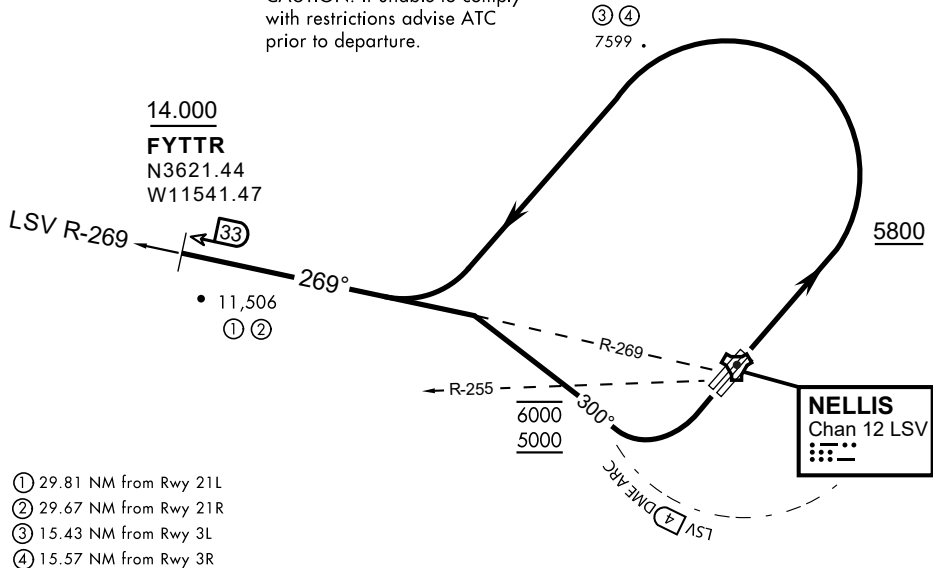
ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800



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

Minimum Climb Rate
(a) to 9300
(b) 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

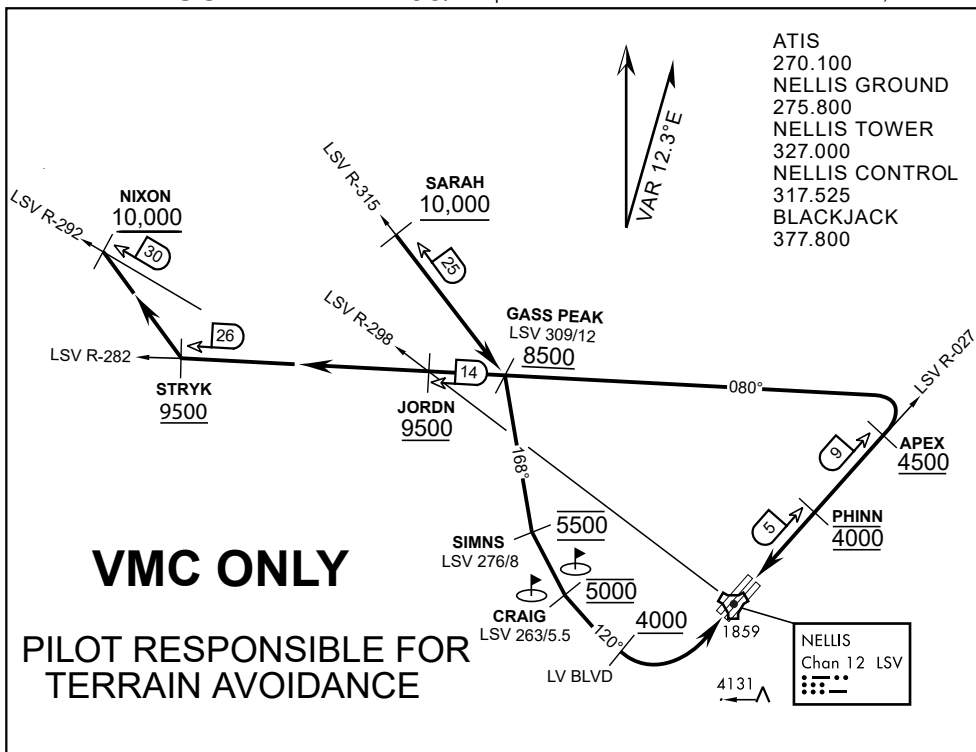
- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

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



APPROACH ROUTE DESCRIPTION

APPROACH RWY 3L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Proceed direct SIMNS and cross at 5,500' MSL. Cross Las Vegas Blvd at or above 4,000' MSL then to 3,500' MSL for Initial. Remain within 4 DME if LSV on turn to final.

VFR STRAIGHT-IN RWY 3L/R

Depart CRAIG & descend to be at 3,000' MSL by Las Vegas Blvd. Do not descend below 3,000' MSL until within 5 DME of LSV or 4 NM of the runway on turn to final.

APPROACH RWY 21L/R

Cross STRYK at or above 9,500' MSL, proceed direct GASS PEAK. Cross JORDN at or above 9,500' MSL, cross GASS PEAK at or above 8,500' MSL. Cross APEX at or above 4,500' MSL then direct 5NM initial. Descend to cross PHINN at 4,000' MSL, Inside 5 NM descend to 3,500' MSL.

VFR STRAIGHT-IN RWY 21L/R

Cross APEX at 4,000' MSL. Descend to be at 3,000' MSL at PHINN. Descend to 3,000' MSL at LSV 027/5.

RANGE 63B EXIT

SOUTH: Via NIXON at or above 10,000' MSL, then direct STRYK.

EAST: Via SARAH at or above 10,000' MSL, then direct GASS PEAK.