

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
2156/2023		Vanguard 1		Training		182015SEP23	
Task						Freq	
AO						264.55	
Departure				Recovery			
DREAM FOUR				STRYK			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Vanguard 1-1	Herby		3311	21Y	1661	

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

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	7758				

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	ATALF	N36 23.517 W114 52.327	10000	
2	JUNNO	BLD 346/44 (N36 43.800 W114 52.770)	15000	
3	DREAM	LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530)	17000	
4	AR635.1	N38 31 W115 42	24000	
5	Range 74C	N37 39.935 W116 02.095	20000	
6	T74.30	N37 31.654 W116 13.353	3500	
7	PAHUTE A	N37 19.499 W116 14.540	20000	
8	COLORADO W	N37 W116 08	20000	
9	NIXON	LSV 292/30 (N36 32.010 W115 32.250)	12000	
10	STRYK	LSV 282/26 (N36 25.620 W115 30.700)	10000	
11	JORDN	N36 23.869 W115 14.590	10000	
12	GASS PEAK	LSV 309/12 (N36 24.140 W115 10.660)	9000	
13	APEX	LSV 027/09 (N36 21.580 W114 54.340)	4500	
14	PHINN	N36 18.427 W114 57.408	4000	

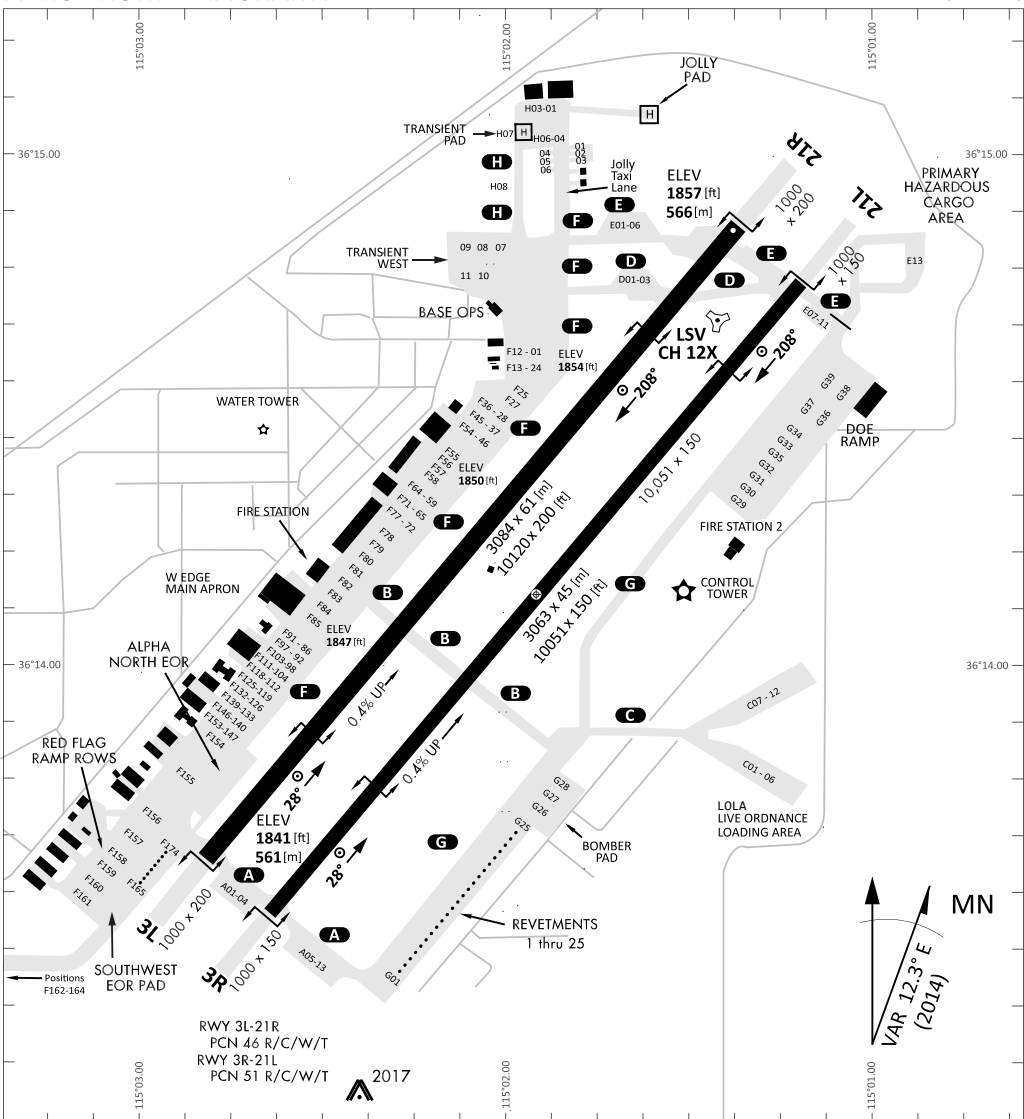
SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			
AWACS					
Callsign	Freq	ALT	Pos		
MAGIC	377.8	FL270	N3749 W11417 - N3713 W11446		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Monster 1	Training	4x A-10C	132.15	25/88	21	161X
	AO	Range 64-B	Task	RED FLAG Training		
T-Rex 2	Training	4x A-10C	132.25	27/90	25	165X
	AO	Range 63	Task	RED FLAG Training		
Edelweiss 6	Training	1x A-10C	134.65	21/84	40	166X
	AO		Task	BJT		
Nazgul* 6	Training	4x F-15E	261.25	21/84		156X
	AO	BVR X	Task	BVR Training		
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO		Task	BVR Training		
Claw 5	Training	2x AH-64D	133.35	21/84		156X
	AO		Task			
Edelweiss 1	Training	2x F/A-18C	264.15	21/84		171X
	AO		Task			
Panther 7	DEAD	2x F/A-18C	261.35	31/94		157X
	AO	Groom	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	
B	L	A	C	K	T	H	O	R	N	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	VCPY	DQU	XNK	OI	LT	SJH	FE	BR	GM	WA
B	LPXH	DJY	EGB	UR	TO	CWK	FN	SI	AQ	MV
C	FKRW	VLJ	CIG	MH	TP	DQX	YO	AU	BN	SE
D	BRCM	YAK	QJV	FP	WS	OTL	IX	HG	EU	ND
E	DMUR	VGP	ETX	QA	BC	HYF	IS	OK	WJ	NL
F	UYPG	JOH	KRW	CN	BM	TAV	QS	XF	ED	LI
G	MCBI	KLO	SQR	YU	FA	VEJ	NX	HT	DG	PW
H	KNRI	SFT	BWD	QL	MV	EXG	HJ	CA	PU	OY
I	QOSJ	ELU	WAI	TY	PH	GCM	DR	FV	KN	XB
J	HTEW	FON	UXM	KY	CB	QIV	GP	SD	LR	JA
K	OIQJ	FPK	RHM	GL	SW	CYX	BE	TD	UV	AN
L	LBPM	KUV	QSC	OG	WD	FEJ	AX	YN	IH	TR
M	LVNP	MSF	ODH	QU	YW	RBX	CT	AG	IE	JK
N	MEPN	SVG	WUB	RY	XI	QFJ	AH	OT	DK	LC
O	QEWA	VPU	HBN	OM	SF	YRL	CG	TJ	ID	XK
P	OETA	DPL	VCJ	FW	QR	BIN	XK	GU	HY	MS
Q	OVNJ	FMS	LKI	YD	QA	EPT	HC	BW	RG	UX
R	QYMI	SPN	RXJ	VT	FK	CUG	BH	DA	LO	WE
S	NHFR	XMI	AEV	LY	PQ	USC	OB	KG	JT	WD
T	KSJG	EHU	AXL	QV	YC	DRB	WP	OI	NT	FM
U	VECS	OLP	KUI	BX	TD	YQM	HR	JA	GF	WN
V	NKVA	EPT	HCI	YG	DM	OBF	SJ	LR	UQ	XW
W	HTAG	SQD	MIC	PV	OX	YNW	EB	RU	FK	LJ
X	TXVC	OYW	PES	GQ	AM	UFB	DK	LH	RN	IJ
Y	SFKD	OGE	AIH	LT	UB	PCJ	QY	VW	XR	NM

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

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.

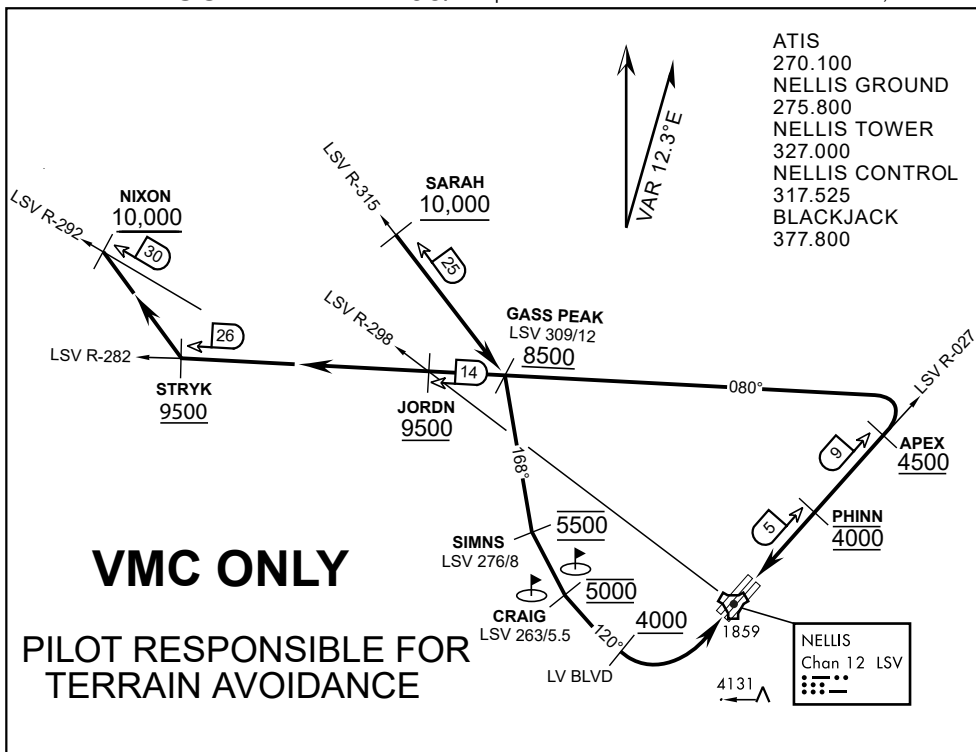
TAKE-OFF RWY 3R

- 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



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.

