

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
761/2022		Cougar 1		Training		042000APR22	
Task	Notching Training						Freq
AO	Student Gap						261.25
Departure				Recovery			
DREAM FOUR				RAMMM			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Cougar 1-1	Striver/Uta		1111	21Y	1561	
-2	Cougar 1-2	Newbie		1112	84Y	1562	
-3	Cougar 1-3	Tank/Lempo		1113	84X	1563	

LOADOUT			
A/A	2xC9M	GUN	100% HEI
A/G		CHF	140
POD		FLR	60
TKS	2xFT300	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	20206				

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	Student Gap	LSV 349/82 (N37 37 W115)		
2	Holding 1	N37 48 W115 18	A25	
3	Holding 2	N37 29 W114 30	A25	

COMMS	
Radio	Usage
1	261.25
2	3 / 4 / 16 / 4 / 3

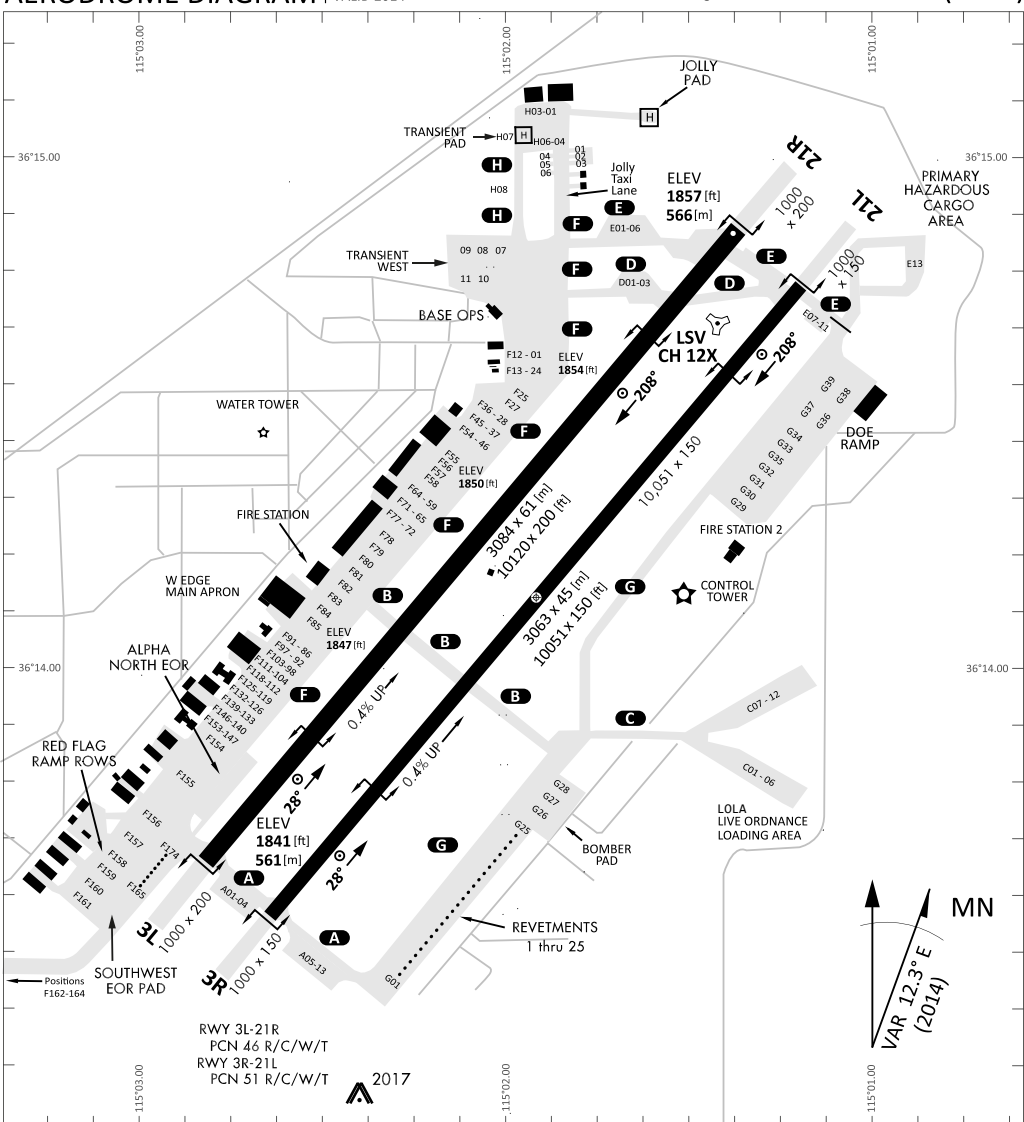
SUPPORT			
AWACS			
Callsign	Freq	ALT	Pos
MAGiC	377.8	FL270	N3749 W11417 - N3713 W11446

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Edelweiss 3	Training	4x F/A-18C	261.35	21/84		173X
	AO	NTTR, Range 63B	Task	NCR Training Gun pattern		
Rattler 2	Training	2x AH-64D	35.35	21/84		156X
	AO	Nellis, Dry Lake	Task	Fam Flight		
Cowboy 3	Training	2x AH-64D	35.55	21/84		156X
	AO	Nellis, Dry Lake	Task	Fam Flight		
Lion 1	Training	4x F-16C	134.0	41/104		158X
	AO	Range 66	Task	A2G 2Ship		
Panther 1	Training	2x F/A-18C	261.35	22/85		158X
	AO	Pahute Mesa Airstrip	Task	A2G 2Ship		
Tiger 1	Training	2x F/A-18C	261.15	11/74	1	155X
	AO	Range 75-15	Task	A2G 2-Ship Strike		
T-Rex 1	Training	2x A-10C	132.25	27/90	25	163X
	AO		Task	Range 62 Buddy Lase		
T-Rex 2	Training	2x A-10C	132.5	27/90	26	155X
	AO		Task	Range 62 Buddy Lase		
Monster 1	Training	2x A-10C	132.15	25/88	20	161X
	AO		Task	Range 62 Buddy Lase		

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	
J	O	U	R	N	A	L	I	S	T	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	FTKE	MHP	DIG	AS	WJ	UQN	VO	RL	YB	CX
B	EDHV	LOA	KRN	YG	QJ	UPI	MC	WS	BF	XT
C	UQIT	PWV	FDN	JG	AB	HCS	ML	EX	OY	RK
D	CPAG	UFV	EKW	NL	JI	YTO	XB	SQ	HM	RD
E	HLVM	PSF	KXJ	YB	RU	TEI	CA	DO	NW	GQ
F	CGBO	JMR	THL	FS	VE	UYA	KI	PX	DW	NQ
G	NFEC	HPS	XGW	BK	DO	VTU	LY	AR	JQ	IM
H	OSYE	HXG	WMD	AU	FK	RCJ	PN	BI	TQ	VL
I	FUDE	RSN	YIJ	HX	VM	LBQ	GO	CW	AK	TP
J	TYOX	VPH	NRK	AG	QE	FBD	MJ	IU	WL	SC
K	FQMR	COJ	LGE	TW	NH	PUX	BV	KS	IA	YD
L	TBEG	JDH	KRF	IQ	XY	CLA	VS	UW	PO	MN
M	VULC	EPW	TRJ	YQ	OA	NBH	KI	DX	MS	GF
N	OSYA	FVC	TIK	HX	NW	BGE	LD	RM	JU	PQ
O	EXWM	IJD	SPB	TN	CL	OUY	HV	FR	AG	QK
P	SBWN	OXQ	VMH	RF	GI	ECU	AJ	DP	YT	LK
Q	EFTY	KDB	QXA	GM	IH	RVU	CP	OL	WN	SJ
R	DYQE	IUL	MKH	SO	RG	PAJ	BC	WX	FV	NT
S	IDSQ	LEY	HGW	VB	TJ	NPU	FO	CR	KX	AM
T	ESFR	OLT	VWC	DI	MY	PJK	AB	GU	NH	QX
U	FIHV	KRB	JEP	TU	XM	AGO	YS	DQ	CW	NL
V	YRTX	KGS	JEP	VA	NW	HBO	MD	IL	UC	FQ
W	LTSC	VFQ	WDK	HM	NR	UAJ	OP	XB	YG	IE
X	AORM	BUF	HGS	CN	KJ	XVD	LI	WY	PQ	ET
Y	RHYT	XPA	MIE	QB	FJ	UCW	GO	LS	KD	VN

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/V(fpm)	269	538	807	1076	1345	1614
* 3 R (b)	V/V(fpm)	245	490	735	980	1225	1470
† 3 L (c)	V/V(fpm)	498	996	1494	1992	2490	2988
† 3 R (c)	V/V(fpm)	496	992	1488	1984	2480	2976
* 21 L (d)	V/V(fpm)	389	778	1167	1556	1945	2334
* 21 R (d)	V/V(fpm)	395	790	1185	1580	1975	2370
† 21 L (c)	V/V(fpm)	453	906	1359	1812	2265	2718
† 21 R (c)	V/V(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

Figure A23.5. RAMMM Recovery (Not For Use In IMC).