

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
2125/2023		Tiger 1		Escort		212000SEP23		
Task	RED FLAG					Freq		
AO						262.25		
Departure				Recovery				
DREAM FOUR				HI-TACAN Z RWY 21L				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Tiger 1-1		Poet		1711	36Y	1751	33/01
-2	Tiger 1-2		Prinz		1712	99Y	1752	33/02

LOADOUT			
A/A	2xA9X, 6xA120C	GUN	100% HEI-T
A/G		CHF	120
POD		FLR	0
TKS	3xFPU-8A	FUEL	50%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	12133			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

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	APEX	N36 21 34.800 W114 54 20.400	15000	
2	DREAM	N37 10 20.400 W114 59 31.800	33000	07:02
3	SEAD ALPHA	N37 48 44.286 W114 07 21.880	33000	07:11
4	SEAD ESCORT	N37 54 35.443 W114 40 20.505	33000	07:15
5	SEAD ESCORT	N37 57 37.584 W114 58 56.475	33000	
6	SA5 NORTH	N38 09 54.769 W116 17 59.800	5300	
7	SA6 MAIN	N37 46 04.634 W116 21 59.427	7100	
8	SA10 WEST	N37 50 31.493 W117 01 30.565	5200	

COMMS	
Radio	Usage
1	11(Atis), 3(NG), 4(NT), 16(BJ), 377.8 (MGC), 16(BJ), 4(NT), 3(NG)
2	Inhouse 263.15
3	MIDS A 22 , MIDS B 41

NOTES

TOT
DREAM 07:02:45
ALPHA 07:11:04
AO 07:15:00

Sequence of Events:

06:45:00Z - all flights start taxi and perform elephant walk lineup
06:51:00Z - Tiger 5 DEP DREAM4
06:52:00Z - Panther 3 DEP DREAM4
06:53:00Z - Panther 7 DEP DREAM4
06:54:00Z - Tiger 1 DEP DREAM4
07:15:00Z - arrive at AO in attack formation
playtime +45, gameplans

Bullseye:

N37° 06.163
W116° 18.852

AWACS East: TYPE: E-3A Sentry
CALLSIGN: MAGIC
ALT: 27.000ft
FRQ: 377.8 AM

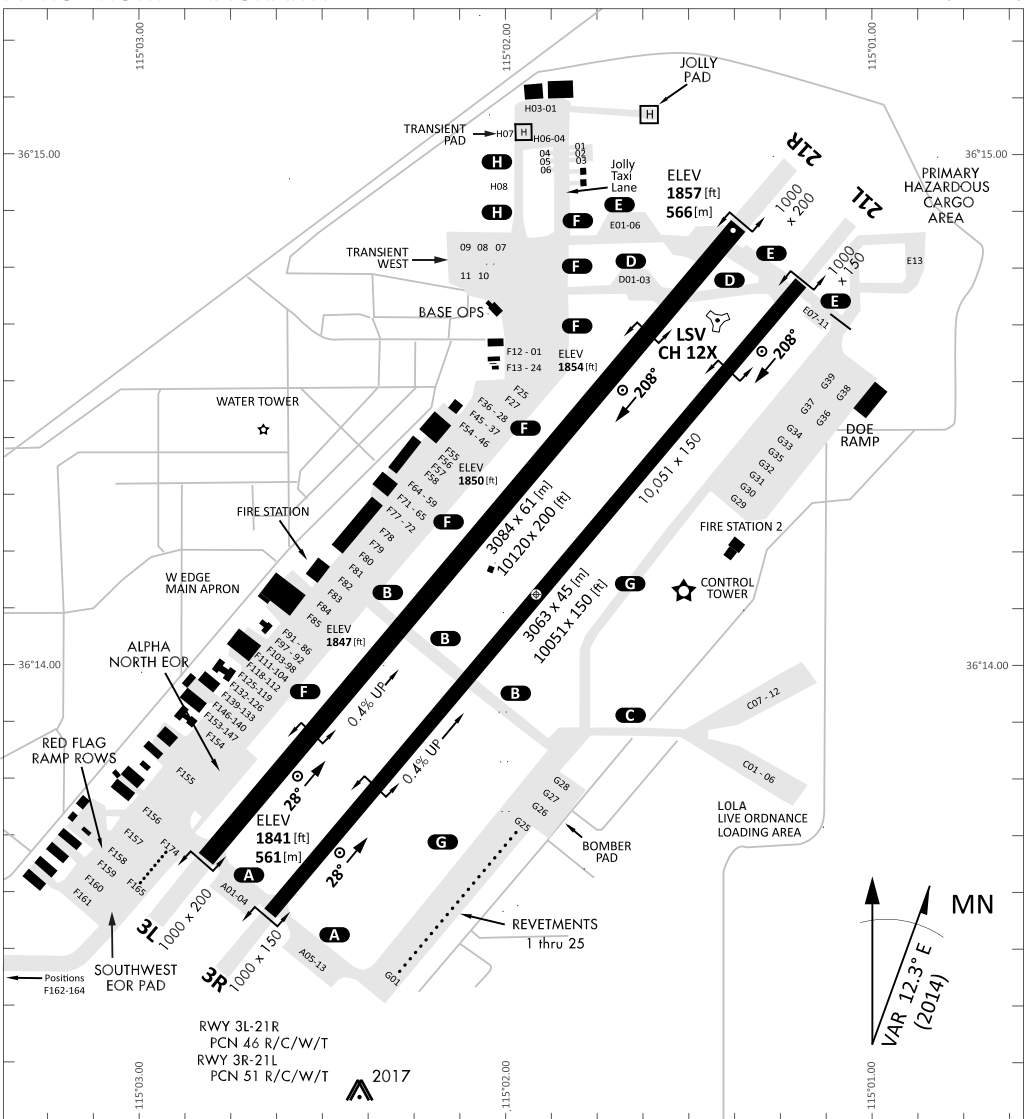
ARCO-1
ALT: 20.000ft
FRQ: 319.800 AM
TACAN: 113Y

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
T-Rex 2	CAS	4x A-10C	132.35	34/97	31	173X
AO		Task	RED FLAG			
Raptor 1	CAP	4x F-16C	134.0	31/94	27	169X
AO		Task	RED FLAG			
T-Rex 1	CAS	4x A-10C	132.25	33/96	30	172X
AO		Task	RED FLAG			
Tiger 5	DEAD	4x F/A-18C	261.15	35/98	32	174X
AO		Task	RED FLAG			
Panther 3	DEAD	4x F/A-18C	263.15	29/92	25	167X
AO		Task	RED FLAG			
Panther 7	DEAD	4x F/A-18C	264.15	30/93	26	168X
AO		Task	RED FLAG			
Mig 1	CAP	4x F-15E	166.6	28/91	26	166X
AO		Task	RED FLAG (REDFORCE)			
Hammer* 1	Recce	1x F/A-18C	261.15	27/90	25	165X
AO		Task	RED FLAG (OECM/JAMMER)			
Vanguard 1	Strike	1x AV-8B N/A	264.55	36/99	39	173X
AO		Task	RED FLAG			
Monster 1	CAS	4x A-10C	132.15	25/88	21	161X
AO		Task	RED FLAG			
Raptor 2	CAP	4x F-16C	134.5	31/94	27	169X
AO		Task	RED FLAG			

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	
C	H	I	V	A	L	R	O	U	S	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	PEJH	OQT	NFG	CU	XR	LID	AB	KV	MW	YS
B	DMXS	FQL	URB	EA	HV	NPW	KT	YJ	CG	OI
C	NRDV	SXG	BOW	YU	IC	LKQ	JA	ME	FP	TH
D	VLHI	JRC	NFP	QS	EO	YTX	GB	WK	MD	UA
E	CAKJ	VEX	PFM	QH	SU	LRB	GI	TD	NY	OW
F	ROGD	JHL	PCB	WY	FX	NVT	KI	QA	EU	SM
G	BRPM	QOJ	LXK	SF	YG	INW	UC	HD	VT	AE
H	NDSO	CMJ	XGW	QV	RL	HUA	FI	YT	BP	KE
I	QCGB	WAM	XLN	UR	PJ	IYE	OD	KH	FT	SV
J	IXEH	MTJ	BFQ	YO	UK	NRP	GW	SA	LV	CD
K	DOMW	EHK	NGB	UJ	IR	XFY	LA	QC	PS	TV
L	ERNT	LKO	IDG	BC	JX	ASM	UQ	HW	FP	YV
M	YHFT	JKC	OQM	RS	IV	LUN	BP	WG	XA	DE
N	GKEW	RAQ	SMT	DU	XI	JCV	BP	YO	FN	LH
O	CDAK	GMJ	TEI	HV	PN	OYU	LW	BF	XS	RQ
P	CNQK	YAR	UXW	OG	VD	PHL	FT	ES	IB	MJ
Q	TKCP	VXY	MOF	NI	EJ	LQW	UH	DS	GB	RA
R	APLH	MIV	FNW	QR	SK	BDJ	YE	XT	CU	GO
S	GXPH	LCA	IFS	VD	OB	NEK	QJ	WT	RY	MU
T	OJXF	ISY	BAR	GV	EH	WCL	MN	PQ	UT	KD
U	EGLC	BWA	IPF	JX	OY	VNH	SU	TK	RD	QM
V	DURQ	YIJ	EXK	WT	NF	OBS	AV	ML	PC	HG
W	LFAG	EHU	ORS	TD	PX	JWK	MQ	YN	IC	BV
X	DLWJ	MYB	EAG	KT	QN	VOH	PU	XR	SF	CI
Y	OPGU	EFC	WTA	VD	SH	KRI	QN	XM	LY	JB

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 (G)	V/V(fpm)	269	538	807	1076	1345	1614
* 3 R (G)	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 (G)	V/V(fpm)	389	778	1167	1556	1945	2334
* 21 R (G)	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

- (G) to 3600
 - (B) to 3100
 - (C) to 17,000
 - (G) 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

HI-TACAN Z 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 1½ miles.
 ** Circling not authorized E of Rwy 3R-21L.



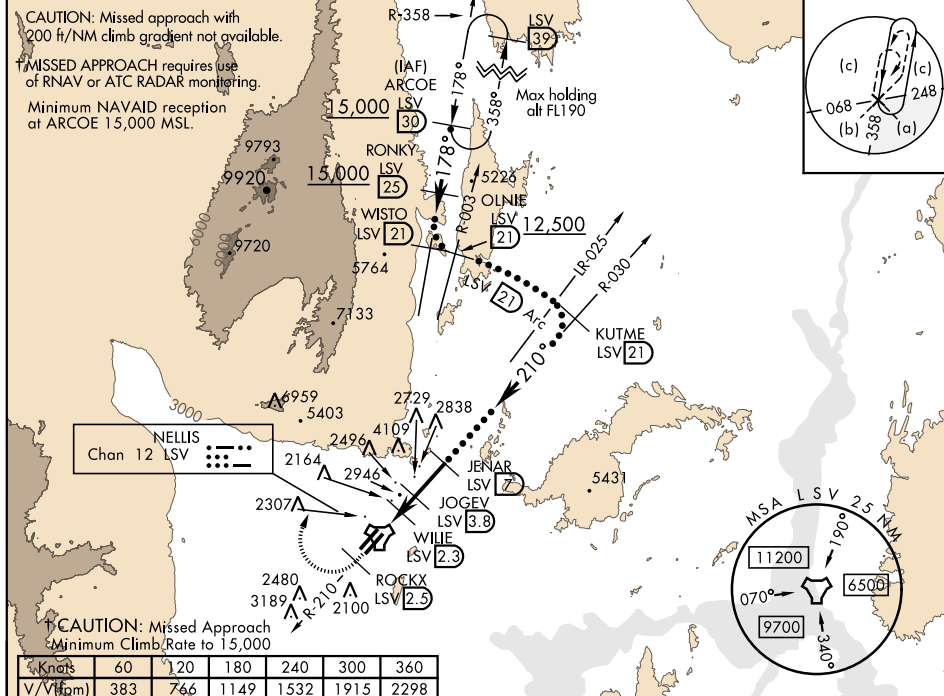
† MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.

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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CAUTION: Missed approach with 200 ft/NM climb gradient not available.

† MISSED APPROACH requires use of RNAV or ATC RADAR monitoring.

Minimum NAVAID reception at ARCOE 15,000 MSL.

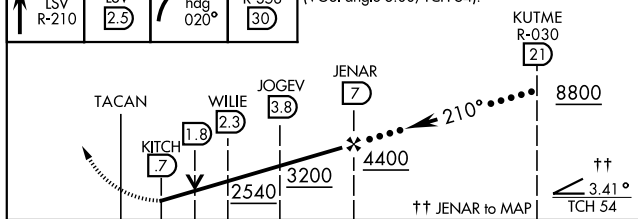


Knots	60	120	180	240	300	360
V/V _{100m}	383	766	1149	1532	1915	2298

Controlling Obstacle 6959'
 EMERG SAFE ALT 100 NM 14,000

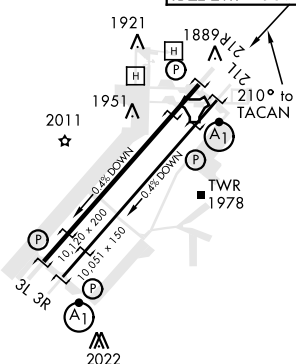
15,000 LSV R-210
 ROCKX LSV 2.5
 ARCOE R-358 30
 hdg 020°

VGSI and descent angles not coincident (VGSI angle 3.00/TCH 54).



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)

ELEV 1869	TDZE 21L 1865 TDZE 21R 1869
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HIRL all Rwy

HI-TACAN Z RWY 21L