

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
2040/2023		Raptor 1		Training		312000JUL23		
Task						Freq		
AO						134.0		
Departure				Recovery				
DREAM FOUR				HI-TACAN Y RWY 21L				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Raptor 1-1		Woodman		1611	21Y	1561	
-2	Raptor 1-2		Hercules		1612	84Y	1562	

LOADOUT			
A/A	2xA120C, 2xA9X		GUN 100% HEI-T
A/G	2xM82A, 2xM82		CHF 120
POD	HTS, TGP		FLR 0
TKS	3xFT300		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13172				

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	DREAM	LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530)	20000	
2	IP	N36 52.458 W115 27.828	6000	
3	Range 63B	N36 34.499 W115 26.329	1500	
4	Nellis	N36 14.680 W115 01.500	2000	

COMMS	
Radio	Usage
1	134,00
2	Blackjack

SUPPORT				
Tanker				
Callsign	TCN	Freq	ALT	TAS
TEXACO 2	95Y	289.7	FL220	420
	Pos	Pegasus.1: CDC 166/102 (N3730 W11440)		

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	GrpId	Laser
Nazgul* 6	Training	4x F-15E	261.25	21/84		156X
	AO		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	
S	C	A	T	H	I	N	G	L	Y	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	LPSX	WQK	HTR	CY	JN	VEA	BU	IM	DF	OG
B	FSYX	WME	GIO	VC	DH	BJU	PA	TN	KR	LQ
C	GNLS	XBT	HMC	UJ	RE	YAV	IW	FP	KO	QD
D	FXSR	CBO	YGW	KI	JM	QAN	EH	DV	PT	UL
E	XISL	AOQ	UGH	NK	JF	MCR	PY	EW	DV	BT
F	YWHX	NOL	STG	KA	BD	JVM	FE	RI	CQ	UP
G	ESVU	AMF	LNT	OX	QC	WJI	BY	GK	HP	RD
H	WTMR	DFE	QYU	AS	CV	HOJ	PL	GK	XI	NB
I	MIUB	HXE	DJY	FW	SR	KNV	GA	TC	LO	PQ
J	VQKH	UXF	EIJ	AG	RB	PYL	MO	SD	CT	WN
K	NHIX	WVE	TFC	QU	OP	RSD	MK	YB	JA	GL
L	AEGU	MLD	FJH	CB	YO	NWS	VQ	TK	IX	PR
M	IVGK	CRM	FDH	SA	BX	YEW	LU	PN	JQ	TO
N	LPBN	IKY	DRS	UG	OW	CJA	HT	FX	QM	VE
O	JORL	APH	TFU	QY	NS	EIK	DG	CV	BW	XM
P	YGFV	KMA	PTS	RO	NI	UQL	HJ	CB	WX	ED
Q	SVOQ	PXI	UMA	RN	BT	JYH	LW	ED	CG	KF
R	WLKO	IBF	HNC	PU	QD	YAV	JM	TS	RG	XE
S	GVBQ	RUW	SIF	LK	NO	CME	YX	PD	JT	HA
T	QNBM	ULK	WFR	GH	YX	IVA	DC	SJ	EP	TO
U	ODRQ	ATL	GIX	FU	KP	WYS	NJ	VB	EM	CH
V	FCJK	LMN	POY	QB	RS	VIE	TU	XA	HG	DW
W	JIDQ	XVG	CST	UH	WK	OEF	AL	NP	YB	RM
X	VSKN	RGC	UQE	XY	DL	OMJ	BH	FW	AI	PT
Y	RSCH	YFE	TAD	UP	WX	LQM	GK	OI	VJ	BN

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



	RWY	CAT	MINIMA	ARP 36° 14.060' N 115° 01.058' W	ELEV	Scale 1:35'500							
PAR	21L 3R	A B D E A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3° 2057 - 0.8 200 (200-0.8/1.6) GS 3°		1857 [ft]	030060090012001500 [m] 010002000300040005000 [ft]							
SRA	21R 3L	A C D E A C D E	2257 - 1.2 350 (350-1.2/1.6) 2257 - 1.2 350 (350-1.2/1.6)		566 [m]								
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

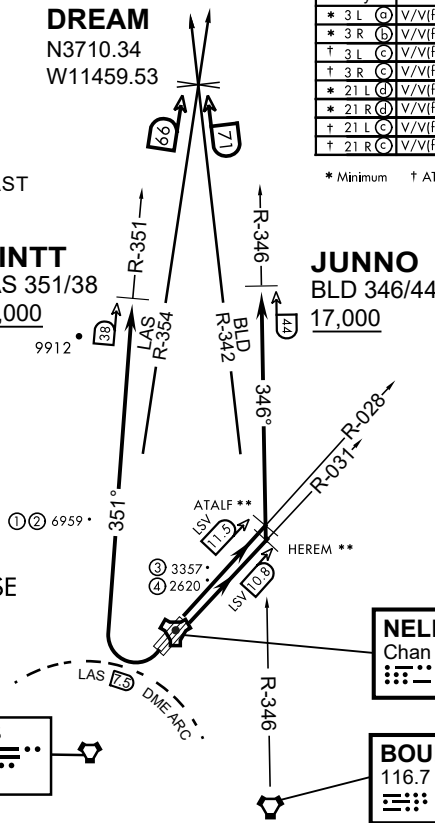
- (a) to 3600
(b) to 3100
(c) to 17,000
(d) to 8500
- ** Lead DME:
ATALF - LSV 9.5
HEREM - LSV 8.8

- 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



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

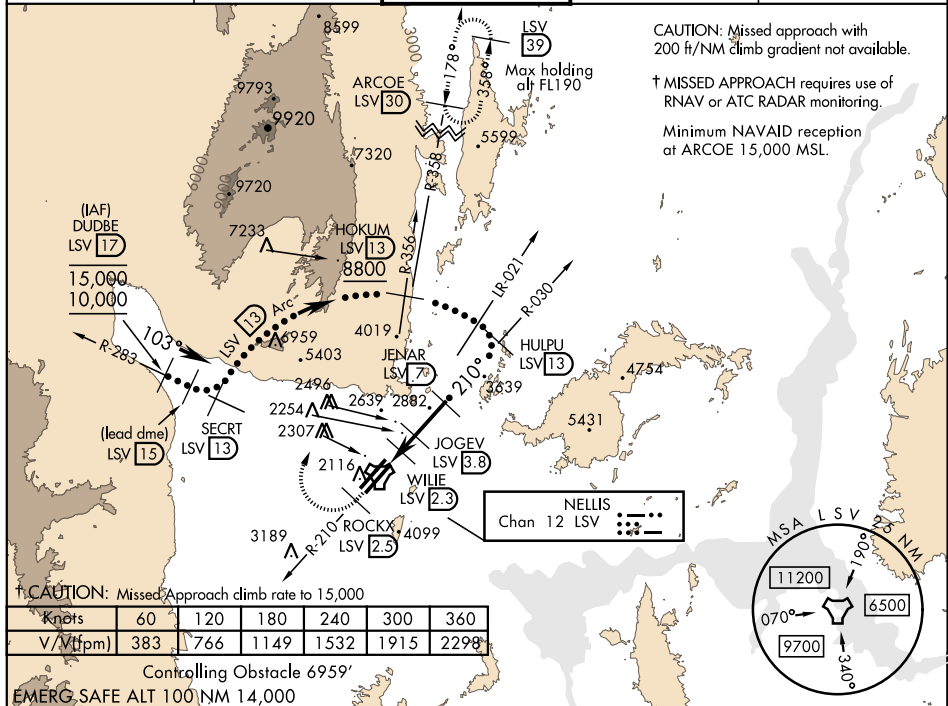
- Turn right to intercept LAS VORTAC R-351 outbound. Remain North of LAS 7.5 DME turning Northbound. Intercept LAS R-351 between 5000 and 6000, do not proceed West of LAS R-351. Cross MINTT at or above 17,000, then via assigned route.

NOISE ABATMENT PROCEDURES: Fly acc. Nellis Noise Abatement instructions

HI-TACAN 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	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  † 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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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

CATEGORY	C	D	E
S-21L *	2460-1 1/4	595 (600-1 1/4)	
SIDESTEP 21R	2460-1	591 (600-1)	
C CIRCLING **	2620-2 1/4 751 (800-2 1/4)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

HIRL all Rwy

HI-TACAN Y RWY 21L

SW-4, 05 DEC 2019 to 02 JAN 2020

SW-4. 05 DEC 2019 to 02 JAN 2020



