

MISSION DATA CARD								
OPORD		Callsign		Mission		Date/Time		
1848/2023		Raptor 2		Training		171238APR23		
Task	Bomb Training - High Drag					Freq		
AO	Range 61					134.5		
Departure				Recovery				
DREAM FOUR				STRYK				
#	Callsign		Pilot		IFF	TCN	LSR	NET
-1	Raptor 2-1		Newbie		1621	21Y	1561	
-2	Raptor 2-2		Void		1622	84Y	1562	

LOADOUT			
A/A	2xA120C, 2xA9X	GUN	100% HEI-T
A/G	6xM82SE	CHF	120
POD	HTS, A184, TGP	FLR	0
TKS	2xFT300	FUEL	100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	11169				

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	DREAM	LAS 354/66 BLD 342/71 (N37 10.340 W114 59.530)	20000	
2	TROUTT	LSV 323/63 (N37 17 W115 07.050)	21000	
3	IP	N37 25.471 W155 25.311	6000	
4	T61.01	N37 09.575 W115 25.575	3822	
5	T61.03	N37 09.087 W115 23.513	3778	
6	SARAH	LSV 315/25 (N36 36.450 W115 18.030)	10000	
7	GASS PEAK	LSV 309/12 (N36 24.140 W115 10.660)	9000	
8	Nellis	N36 14.680 W115 01.500	1900	

OTHER FLIGHTS						
Callsign	Mission	Airframe	Freq	TCN	Grpld	Laser
Raptor 1	Training	4x F-16C	134.0	21/84		156X
	AO	Range 61	Task	Bomb Training - High Drag		

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	
L	O	V	E	M	A	K	I	N	G	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	DFKE	BGA	RWS	XI	VP	ONU	YJ	CL	TH	MQ
B	BRSF	UYN	KEW	AP	MX	JLH	TG	CI	QV	DO
C	VTAB	QDN	SLE	IH	KY	COJ	WX	MG	UR	PF
D	JTAD	NQK	YUC	PX	MV	WLR	FG	IS	BE	HO
E	BXVP	KRF	MAC	IE	YT	HLO	SD	JQ	UN	WG
F	XNCH	KMA	TDY	WP	LF	VQS	JI	EB	OR	GU
G	IOHW	VMY	SKB	UT	XC	NAE	QD	PG	JL	RF
H	HVDK	YSF	LPJ	CW	GU	MIX	AB	NE	OR	TQ
I	RQDI	HCO	SYN	BM	JL	PUA	GK	WV	FT	EX
J	YGFK	NAL	HMB	PC	ST	WOQ	VJ	RE	ID	UX
K	SCJF	PXQ	WKD	LA	IM	BVU	NH	YE	GT	OR
L	YQEM	GKN	DOP	LH	WV	IUJ	SX	CT	FR	BA
M	BTQJ	XWA	EID	OG	YK	VHN	FS	CP	MU	LR
N	NLHD	UAJ	EIM	FG	PS	KTR	VY	QO	WB	CX
O	SEDG	QWX	MBU	OA	CV	FHK	TI	JP	YN	RL
P	QKOE	NAR	THY	PW	GU	FLV	DI	MJ	BC	XS
Q	TLPH	REX	FWQ	DK	YM	JSB	OG	IV	UA	CN
R	JNHV	EYC	KMU	PQ	FS	DGR	XA	LT	OW	IB
S	RVLK	TDJ	MXY	PH	SE	IGW	AU	FN	OC	BQ
T	TWUN	MRD	FJL	GX	CS	HBP	VY	OI	QK	EA
U	FLXS	DBU	HQV	JI	MC	RYG	EK	TA	PN	WO
V	OLWQ	BGA	SNP	CT	VH	EIY	DM	RJ	KF	UX
W	RISC	TAL	FEV	WO	PQ	BGD	JK	XH	YM	NU
X	GLVE	CFT	MQS	ON	HU	YDB	PR	JI	KX	AW
Y	UFOM	NIQ	WPH	JX	BT	CDA	RV	GK	LY	SE

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	RWY	CAT	MINIMA				
	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.