

| MISSION DATA CARD |            |          |         |          |      |             |        |     |
|-------------------|------------|----------|---------|----------|------|-------------|--------|-----|
| OPORD             |            | Callsign |         | Mission  |      | Date/Time   |        |     |
| 2033/2023         |            | Raptor 2 |         | Training |      | 271800JUL23 |        |     |
| Task              |            |          |         |          |      |             | Freq   |     |
| AO                |            |          |         |          |      |             | 261.25 |     |
| Departure         |            |          |         | Recovery |      |             |        |     |
| FYTTR THREE       |            |          |         | ARCOE    |      |             |        |     |
| #                 | Callsign   |          | Pilot   |          | IFF  | TCN         | LSR    | NET |
| -1                | Raptor 2-1 |          | Butcher |          | 1621 | 21Y         | 1561   |     |

| LOADOUT |         |  |  |  |  |      |            |
|---------|---------|--|--|--|--|------|------------|
| A/A     | 2xA9L   |  |  |  |  | GUN  | 100% HEI-T |
| A/G     | 6xM82   |  |  |  |  | CHF  | 120        |
| POD     | A131    |  |  |  |  | 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 |
| Div      | Creech AFB | 87X | 290.45 | 275.8 | 360.6 |     |      |       |

NOTES

Vr = 178 kts

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

| 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  |    |
| P          | L    | A   | Y   | G  | R  | O   | U  | N  | D  |    |
| KTC 1400 C |      |     |     |    |    |     |    |    |    |    |
|            | 0    | 1   | 2   | 3  | 4  | 5   | 6  | 7  | 8  | 9  |
| A          | LOFR | DQJ | BYK | WH | VM | PCX | IA | SE | TG | NU |
| B          | LDCP | UGX | BSJ | NY | VW | QHF | ER | OK | TA | IM |
| C          | MDXN | BIF | JQR | EG | TC | OYA | LV | UW | PH | SK |
| D          | OJPD | IKS | NAT | XR | UL | VCQ | WM | EG | BH | FY |
| E          | MSFT | RXH | PIU | QK | BC | AVE | LJ | WY | DO | GN |
| F          | MTOC | IEJ | LFR | GU | SK | XYB | VN | PA | QH | DW |
| G          | TWNE | XLR | QPD | CA | UG | MYK | OH | SF | IV | BJ |
| H          | MEBQ | UGX | DSA | LC | IH | WVK | PF | JN | TY | RO |
| I          | OXTR | AKH | EVL | DG | CU | MQY | WF | JP | BN | IS |
| J          | UHIN | AVL | BJE | XM | OD | FGC | SK | PR | QY | WT |
| K          | HTIX | LDQ | BFU | ON | MK | GPV | YE | CS | WA | RJ |
| L          | QBDN | MVC | XPI | SW | FU | LYE | OA | JH | TK | RG |
| M          | KJIV | XAQ | GSM | HC | LU | PBW | YO | DF | RE | NT |
| N          | MJBS | XOC | TKP | RE | GD | WIU | AH | NL | FV | YQ |
| O          | DSHY | AQG | FUK | CM | WV | IPO | LT | EX | NJ | BR |
| P          | HADR | WBS | LNI | TE | GJ | YVC | UX | QF | KO | MP |
| Q          | TVMW | HRN | IAO | EB | JL | YPQ | UC | SK | DX | GF |
| R          | VMJO | TAL | QGH | FK | RB | YNU | CX | SE | WP | DI |
| S          | RIBV | FME | QND | LK | AG | YHS | TO | WX | PC | JU |
| T          | CPTH | GJQ | NVY | LE | SX | AMU | DF | RB | WK | OI |
| U          | TQDF | JSV | MEB | LY | XA | HWU | RK | OG | IC | NP |
| V          | TGKE | IWL | MYP | XJ | ND | ASC | BO | QH | RU | FV |
| W          | HUBK | IYX | MED | JL | CN | QGW | RA | VF | ST | OP |
| X          | NARC | PWX | HKD | MG | BF | VET | LQ | IJ | SU | YO |
| Y          | GLSM | DCP | KJQ | WT | NU | ABV | FE | XH | RO | IY |

| 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      |



FYTTR THREE DEPARTURE

NELLIS AFB (KLSV)  
IFR CHART | VALID 2014 LAS VEGAS, NEVADA

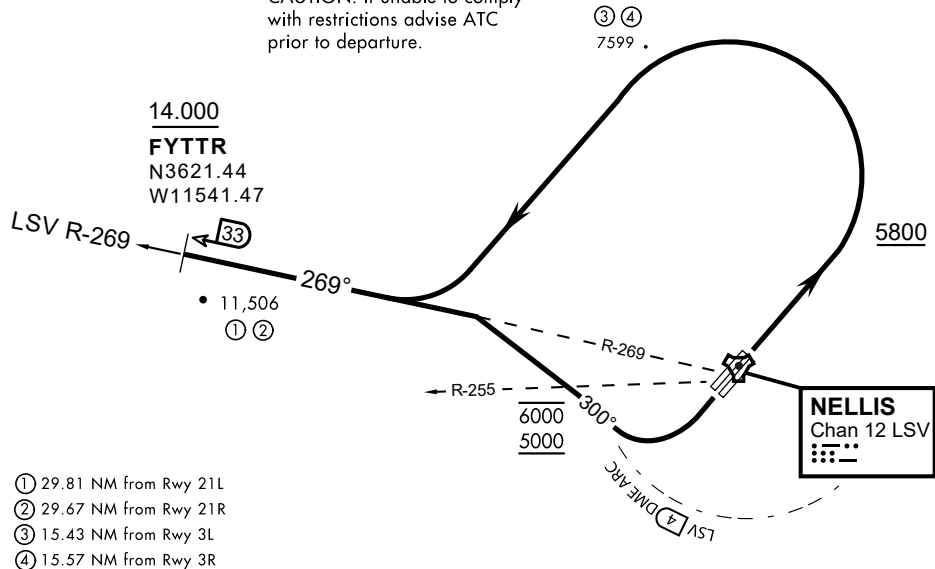
ATIS  
270.100  
NELLIS GROUND  
275.800  
NELLIS TOWER  
327.000  
NELLIS CONTROL  
317.525  
NELLIS DEP/APP EAST  
384.400  
BLACKJACK  
377.800



| Rwy   | Knots    | 60  | 120 | 180  | 240  | 300  | 360  |
|-------|----------|-----|-----|------|------|------|------|
| 3L ①  | V/V(fpm) | 394 | 788 | 1182 | 1576 | 1970 | 2364 |
| 3R ②  | V/V(fpm) | 392 | 784 | 1176 | 1568 | 1960 | 2352 |
| 21L ③ | V/V(fpm) | 388 | 776 | 1164 | 1552 | 1940 | 2328 |
| 21R ④ | V/V(fpm) | 390 | 780 | 1170 | 1560 | 1950 | 2340 |

Minimum Climb Rate  
① to 9300  
② to 13 500

CAUTION: If unable to comply with restrictions advise ATC prior to departure.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R

- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

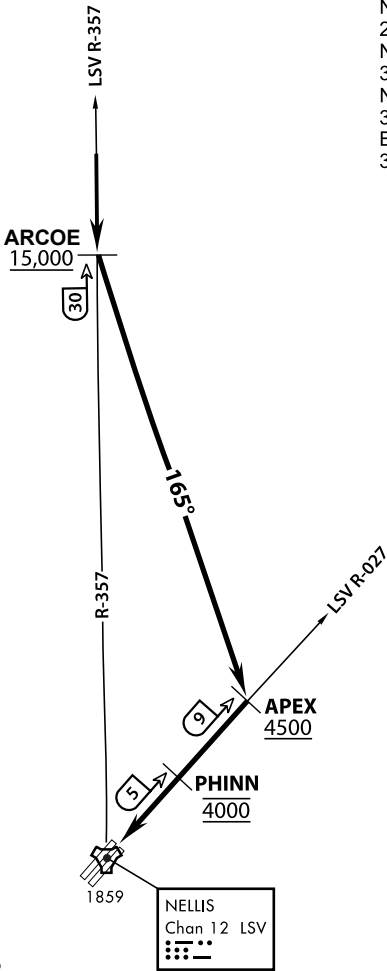
TAKEOFF RWY 21L/21R

- Turn right to intercept LSV TACAN R-269 outbound.
- Remain within LSV 4 DME until joining LSV R-269
- Cross R-255 between 5,000' and 6,000'.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

NOISE ABATEMENT PROCEDURES:

Fly according to Nellis Noise Abatement instructions as published

- ATIS  
270.100
- NELLIS GROUND  
275.800
- NELLIS TOWER  
327.000
- NELLIS CONTROL  
317.525
- BLACKJACK  
377.800



**VMC ONLY**

**PILOT RESPONSIBLE FOR  
TERRAIN AVOIDANCE**

**APPROACH ROUTE DESCRIPTION**

**OVERHEAD**

Cross ARCOE at or above 15,000 MSL, then heading 165° to APEX.  
Cross APEX at or above 4,500 MSL, report to tower.  
Cross PHINN (LSV 027/5) at 4,000 MSL then descend to 3,500 MSL for Initial.

**VFR STRAIGHT IN RWY 21**

Cross APEX at 4,000 feet MSL. Descend to be at 3,000 feet MSL at PHINN (LSV 027/5).



INDIAN SPRINGS, NEVADA

|                      |                   |                              |                      |
|----------------------|-------------------|------------------------------|----------------------|
| TACAN INS<br>Chan 87 | APCH CRS<br>065 ° | Rwy ldg<br>TDZE<br>Arpt Elev | 9002<br>3133<br>3113 |
|----------------------|-------------------|------------------------------|----------------------|

INDIAN SPRINGS AF AUX (KINS)



\* MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direkt KSV TACAN

114

NELLIS CON

CREECH AFB TOWER  
118.30 660.60

GND CON

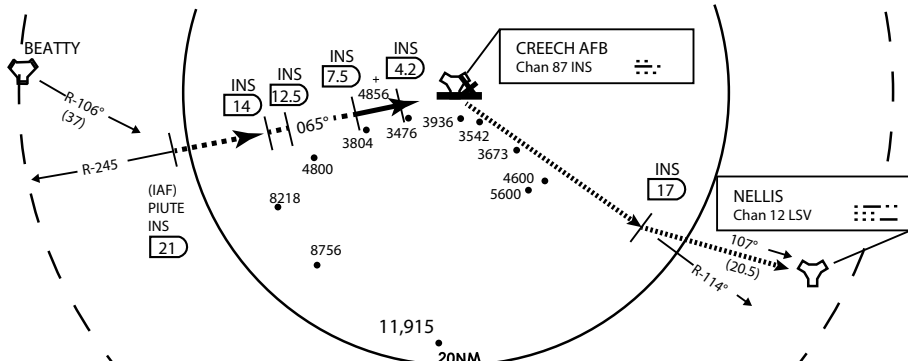
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR  
WEATHER MINIMUMS ONLY

PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE  
AVOIDANCE AND  
APPROPRIATE VFR CLOUD  
CLEARANCE FOR ALL

CAUTION: Descent gradients  
are greater than allowed under standard  
TERPS criteria and inbound course  
does not meet straight-in criteria

CAUTION: Final approach course crosses  
Runway centerline at MIDFIELD. Maneuvering  
left of course required prior to landing. Do not  
Maneuver farther north than the INS R- 258



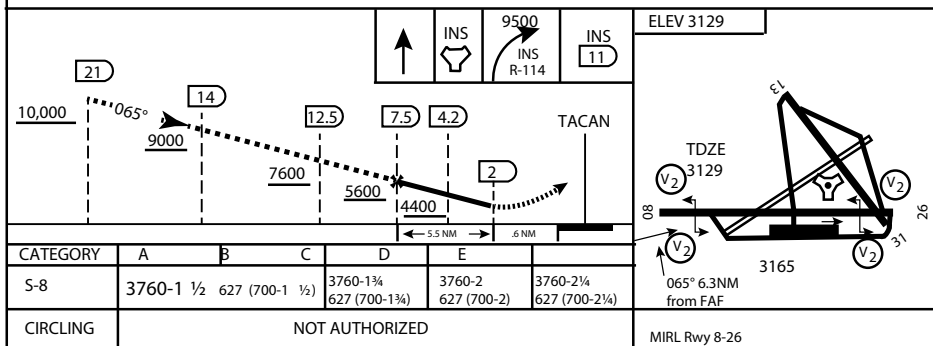
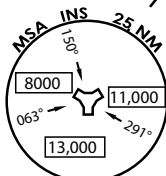
\* CAUTION: Missed Approach Climb Rate to 4,700

|           |     |     |     |     |      |
|-----------|-----|-----|-----|-----|------|
| Knots     | 60  | 120 | 180 | 240 | 300  |
| V/V (fpm) | 230 | 460 | 690 | 920 | 1150 |

Controlling Obstacle

HIGH ALTITUDE FACILITIES

EMERG SAFE ALT 100 NM 14,000



CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)

Modified by vJaBoG 66 for use with DCS

NOT FOR REAL LIFE NAVIGATION



