

MISSION DATA CARD

| | | | | | | | | |
|-----------|----------------------------|-----------|-------|----------|------|-------------|------|-------|
| OPORD | | Callsign | | Mission | | Date/Time | | |
| 3238/2024 | | Panther 2 | | Training | | 232000SEP24 | | |
| Task | AG Bomb, AAR and Formation | | | | | Freq | | |
| AO | Range 74.06 and 74.08 | | | | | 261.25 | | |
| Departure | | | | Recovery | | | | |
| FYTTR LOW | | | | STRYK | | | | |
| # | Callsign | | Pilot | | IFF | TCN | LSR | NET |
| -1 | Panther 2-1 | | Retai | | 1021 | 1Y | 1561 | 02/01 |
| -2 | Panther 2-2 | | Hawk | | 1022 | 64Y | 1562 | 02/02 |

LOADOUT

| | | | | | | | |
|-----|---------------------|--|--|--|------|------------|--|
| A/A | 2xA9X, A120B, A120C | | | | GUN | 100% HEI-T | |
| A/G | 8xM82 | | | | CHF | 90 | |
| POD | | | | | FLR | 30 | |
| TKS | FPU-8A | | | | FUEL | 100% | |

TOLD

| | | | | | |
|------|---------|--------|-------|-------|------|
| | Takeoff | Target | Joker | Bingo | Land |
| FUEL | 13047 | | | 4000 | 2000 |

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 | FYTTR | N36 21 26.463 W115 41 28.044 | 14000 | |
| 2 | FLUSH | N36 50 51.188 W116 20 14.756 | 22000 | |
| 3 | GARTH | N37 17 58.873 W116 21 19.299 | 24000 | |
| 4 | Range 74 | N37 30 10.289 W116 15 12.066 | 5987 | |
| 5 | GARTH | N37 17 59.452 W116 21 14.094 | 24000 | |
| 6 | AAR | N37 17 00.484 W118 01 56.453 | 24000 | |
| 7 | Beatty | N36 51 35.020 W116 47 11.133 | 24000 | |
| 8 | Creech | N36 35 05.567 W115 40 19.330 | 15000 | |
| 9 | STRYK | N36 25 36.695 W115 30 42.156 | 10000 | |
| 10 | GASS PEAK | N36 24 06.775 W115 10 46.183 | 8800 | |
| 11 | Nellis AFB | N36 13 32 W115 02 37 | 3000 | |

COMMS

| Radio | Usage |
|-------|--|
| 1 | 11(Atis), 3(NG), 4(NT), 16(BJ), 18(SH), 16(BJ), 4(NT), 3(NG) |
| 2 | Inhouse 261.25 |
| 3 | MIDS A: 24 / B: 44 |
| 4 | ARCO1 319.8 / 113Y |

SUPPORT**Tanker**

| Callsign | TCN | Freq | ALT | TAS |
|----------|------|------------------------------------|-------|-----|
| ARCO 1 | 113Y | 319.8 | FL250 | 450 |
| | Pos | AR-625: MVA 168/77 (N3717 W11802) | | |
| SHELL 2 | 115Y | 360.8 | FL250 | 430 |
| | Pos | AR-635: MLF 260/127 (N3831 W11542) | | |

AWACS

| Callsign | Freq | ALT | Pos |
|----------|-------|-------|-----------------------------|
| MAGIC | 377.8 | FL270 | N3749 W11417 - N3713 W11446 |

OTHER FLIGHTS

| Callsign | Mission | Airframe | Freq | TCN | Grpld | Laser |
|-------------|-----------------------|------------|----------------------------|-------|-------|-------|
| Edelweiss 1 | Training | 2x F/A-18C | 264.15 | 12/75 | 1 | 171X |
| AO | BEATTY | Task | BJT Training | | | |
| Tiger 1 | Training | 4x F/A-18C | 261.15 | 1/64 | 1 | 155X |
| AO | Range 74.06 and 74.08 | Task | AG Bomb, AAR and Formation | | | |
| Raptor 1 | SEAD | 4x F-16C | 134.0 | 1/64 | | 162X |
| AO | Groom (SAMs) | Task | SAM Evasion | | | |
| Monster 1 | Training | 4x A-10C | 132.15 | 1/64 | 21 | 161X |
| AO | R65 | Task | Rocket Training | | | |
| Nazgul 6 | Training | 4x F-15E | 262.45 | 1/64 | | 156X |
| AO | BFM Range | Task | BFM Training | | | |
| Edelweiss 4 | Training | 1x F/A-18C | 264.45 | 1/64 | | 174X |
| AO | | Task | | | | |
| Edelweiss 2 | SEAD | 4x F-16C | 134.5 | 1/64 | | 162X |
| AO | Groom (SAMs) | Task | SAM Evasion | | | |
| Rattler 5 | Training | 4x AH-64D | 133.5 | 1/64 | | 125X |
| 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 |
| T | H | R | O | W | B | A | C | K | S |

KTC 1400 C

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|------|-----|-----|----|----|-----|----|----|----|----|
| A | NCJH | FQU | MGS | OW | VA | EBP | DX | IY | LR | TK |
| B | THBE | UWO | XKL | NP | AY | VSR | DG | JI | QC | FM |
| C | FKHI | LDS | RAT | PX | GJ | YUB | VN | OQ | EC | MW |
| D | BMNO | SRJ | CDU | EY | XP | HKV | LF | GW | TI | QA |
| E | TRXG | DVF | IOK | EL | SW | MPJ | CQ | AU | BY | NH |
| F | RTEC | WXB | LAD | SJ | FM | IQO | PK | GV | NY | UH |
| G | MXOI | JGH | BTA | LV | UR | NYF | EP | KD | CQ | SW |
| H | HIEG | CUT | JRQ | YX | BO | WPL | KN | AD | SF | MV |
| I | KLPO | RCN | YID | TX | BQ | UWS | HV | AM | EF | JG |
| J | QBNO | LXP | RFJ | HK | YG | IVW | EA | SD | UM | TC |
| K | FIMT | VAW | DQC | LY | OJ | NUS | HR | XB | PE | KG |
| L | TYNM | ORI | WKV | QA | DJ | EPG | CF | SB | LX | HU |
| M | FJRC | EUV | YMD | PO | HG | BTI | QL | AS | XN | WK |
| N | PVQE | AYS | BUR | GD | MN | WJH | CO | IF | KX | LT |
| O | ALBE | INP | CGX | FK | JU | YTD | WR | MQ | OH | SV |
| P | NXMT | FQL | SEY | WI | CR | UJA | VP | GH | BK | OD |
| Q | IAJK | SGQ | FCO | DB | ML | XUP | RE | YV | TH | NW |
| R | XWDN | TFR | YGJ | VO | SP | BHI | AK | EQ | ML | UC |
| S | YRVH | JOT | NXD | KB | SM | AFE | LC | IQ | UP | WG |
| T | CWJO | XRV | LKG | AE | UB | YSN | IM | HT | FP | DQ |
| U | ECTW | KMB | QFD | YX | VU | IPJ | HS | GN | AO | LR |
| V | JEXY | ABU | LOC | PD | MQ | FNW | SV | RH | TG | KI |
| W | GSTH | QDL | NVX | OF | KR | MEU | PW | IJ | BY | CA |
| X | GHVA | DCO | WYM | EP | NK | LIU | FJ | QX | TR | SB |
| Y | OYFJ | GXE | TQI | AL | WH | KDV | BC | NU | PM | RS |

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 |



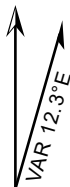
| PAR | RWY | CAT | MINIMA | ARP | ELEV | Scale |
|-----|-----|---------|------------------------------------|---------------------------------|----------------------|--|
| | 21L | A B D E | 2057 - 0.8 200 (200-0.8/1.6) GS 3° | 36° 14.060° N 115° 01.058° W | 1857 [ft] 566 [m] | 0 300 600 900 1200 1500 [m] 0 1000 2000 3000 4000 5000 [ft] |
| | 3R | A B D E | 2057 - 0.8 200 (200-0.8/1.6) GS 3° | | | |
| | 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

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



VMC ONLY

PILOT RESPONSIBLE FOR TERRAIN AVOIDANCE

① 4 NM from RWY 3L/R

BEATTY
Chan 94 BTY

RANGE 64/65
RANGE 63

TUCKY

R-2508

LSV R-269

FYTTR
N3621.44
W11541.47

BTY R-105

DME 15 ARC
5000

FLEX
LSV 337/5

2086 M
①
3000

NELLIS
Chan 12 LSV

4131



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R:

- Remain below 3,000' MSL until north of Race Track and turned westbound.
- Turn left within 4NM of Nellis direct FLEX. Fly north of FLEX and turn left heading 270°.
- Intercept LSV 15 DME ARC at or below 5,000' MSL.
- ARC south, intercept LSV R-269 outbound. Maintain VFR.

TAKEOFF RWY 21L/21R:

- Follow Noise Abatement Procedures.
- Fly runway heading until past Golf Course, turn right heading 300°.
- Cross LSV R-255 between 5,000' and 6,000' , intercept and proceed outbound on the LSV R-269.Recommend climb to 8,500' MSL or appropriate VFR altitude for overflight of North Las Vegas Training Area. Fly routing for appr. mission/transition.

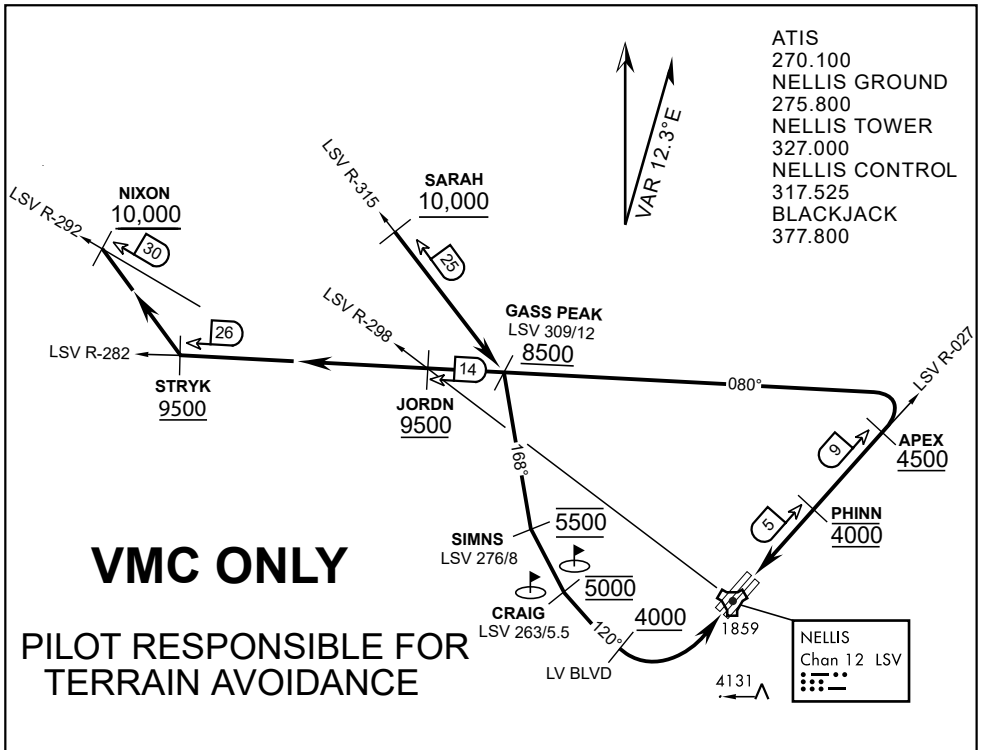
TRANSITIONS:

R-4806: Turn right at the LSV 269/20 direct to assigned ranges.

BEATTY: Turn right at FYTTR direct BTY via the BTY R-105

R-2508: Turn right at the FYTTR, intercept the BTY 105/30, direct TUCKY, then direct R-2508

FYTTR DEPARTURE AND TRANSITIONS (FYTTR LOW)



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.



INDIAN SPRINGS, NEVADA

| | | | |
|----------------------|------------------|----------------------|--------------|
| TACAN INS Chan 87 | APCH CRS 065° | Rwy ldg TDZE 3133 | 9002 3113 |
| | | Arpt Elev 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 60.60

GND CON

NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

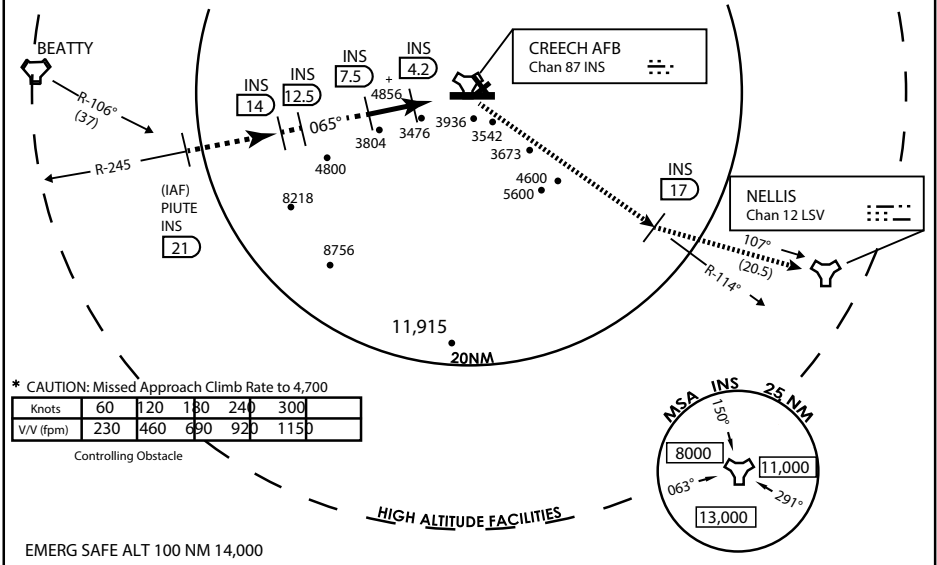
PILOT IS RESPONSIBLE FOR TERRAIN/OBSTACLE AVOIDANCE AND APPROPRIATE VFR CLOUD CLEARANCE FOR ALL

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

Modified by viaBog 66 for use with DCS
NOT FOR REAL LIFE NAVIGATION

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NOT FOR REAL LIFE NAVIGATION



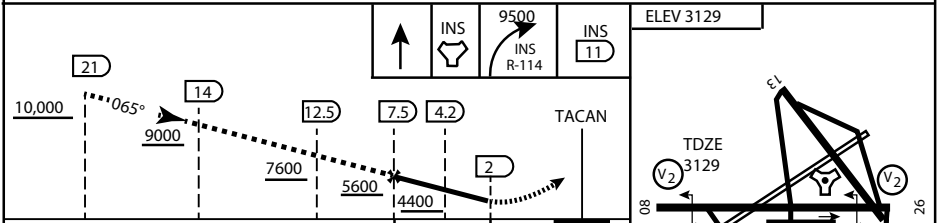
* CAUTION: Missed Approach Climb Rate to 4,700

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

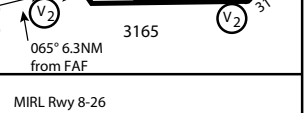
Controlling Obstacle

HIGH ALTITUDE FACILITIES

EMERG SAFE ALT 100 NM 14,000



| | | | | | |
|----------|----------------|-----------------|----------------------------|--------------------|----------------------------|
| CATEGORY | A | B | C | D | E |
| S-8 | 3760-1 1/2 | 627 (700-1 1/2) | 3760-1 3/4 627 (700-1 3/4) | 3760-2 627 (700-2) | 3760-2 1/4 627 (700-2 1/4) |
| CIRCLING | NOT AUTHORIZED | | | | |



CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)



AIRPORT DIAGRAM

476 VFG

CREECH AFB (KINS)
INDIAN SPRINGS, NEVADA

ATIS
122.5
CREECH TOWER
118.4 360.7 38.65
GND CON
118.3 275.8
CLNC DEL

FIELD
ELEV
3127

HOT
CARGO
PAD

VAR 12.5° E

WEST
EOR

BAK-12

115°41'W

476 VFG JAN 2019

476 VFG JAN 2019

CONTROL
TOWER
BASE
OPS

RPA LOLA
WEST

RPA LOLA
EAST

LOLA /
HUNG
ORDNANCE

199 X 100
ELEV
3127
RUNWAY
31/13
MQ/RQ-1
ONLY

9002 X 150

4064 X 100

860 X 100

313.8°

BAK-12

ELEV
3127

115°40'W

EAST
EOR

ELEV
3127

1030 X 150

26

AIRPORT DIAGRAM

INDIAN SPRINGS, NEVADA
CREECH AFB (KINS)