

# KRNO

Reno Tahoe Intl

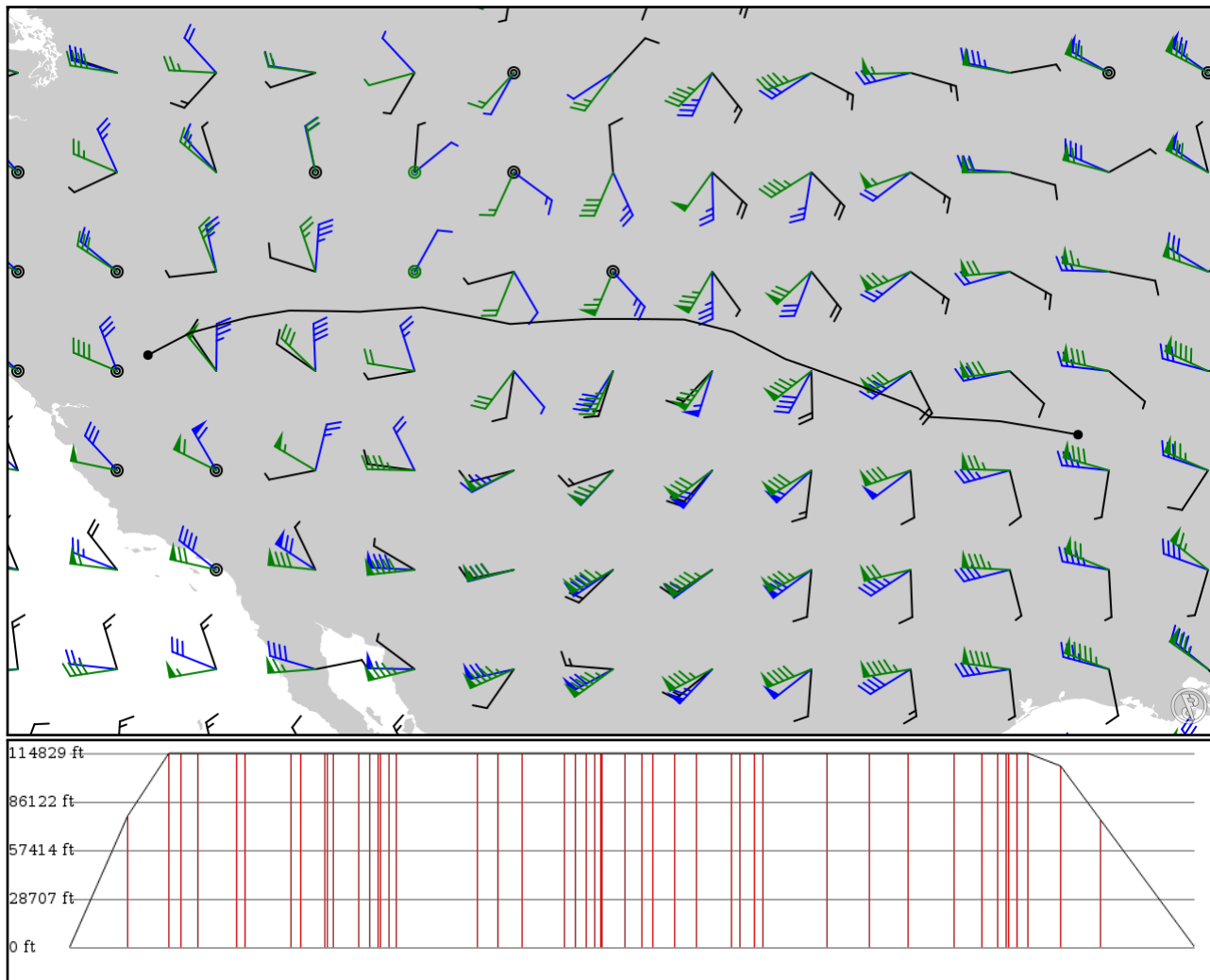
# KSGF

SPRINGFIELD BRANSON NATL

2024/05/15 1957Z

KRNO LLC V6 BAM V32 BVL V200 STACO V32 TCH V101 GLL V220 AKO V132 HUT V73 ICT V350 CNU KSGF

1285.06 nm / 2379.93 km



## Notes

Basic altitude profile:

- Ascent Rate: 1000ft/min
- Ascent Speed: 150kts
- Cruise Altitude: 18000ft
- Cruise Speed: 180kts
- Descent Rate: 1000ft/min
- Descent Speed: 200kts

Options:

- Use NATs: yes
- Use PACOTS: no
- Use low airways: yes
- Use high airways: no

## Route

| Ident<br>Type | Via            | Lat<br>Lon             | Alt                   | Dist<br>(nm) | Name                   |
|---------------|----------------|------------------------|-----------------------|--------------|------------------------|
| KRNO<br>APT   | -              | 39.49884<br>-119.76802 | 0 ft<br>0 m           | -            | Reno Tahoe Intl        |
| LLC<br>VOR    | -              | 40.12525<br>-118.57758 | 23,700 ft<br>7,224 m  | 66           | LOVELOCK VORTAC        |
| CUTVA<br>FIX  | V6<br>AWY-LO   | 40.39088<br>-117.59994 | 35,000 ft<br>10,668 m | 47           | -                      |
| RAJKO<br>FIX  | V6<br>AWY-LO   | 40.46936<br>-117.30397 | 35,000 ft<br>10,668 m | 14           | -                      |
| BAM<br>VOR    | V6<br>AWY-LO   | 40.56908<br>-116.92225 | 35,000 ft<br>10,668 m | 18           | BATTLE MOUNTAIN VORTAC |
| OLGAA<br>FIX  | V32<br>AWY-LO  | 40.72542<br>-115.97597 | 35,000 ft<br>10,668 m | 44           | -                      |
| BQU<br>VOR    | V32<br>AWY-LO  | 40.75967<br>-115.76136 | 35,000 ft<br>10,668 m | 9            | BULLION VOR-DME        |
| SPATS<br>FIX  | V32<br>AWY-LO  | 40.74464<br>-114.60964 | 35,000 ft<br>10,668 m | 52           | -                      |
| UHEPI<br>FIX  | V32<br>AWY-LO  | 40.74008<br>-114.37103 | 35,000 ft<br>10,668 m | 10           | -                      |
| BVL<br>VOR    | V32<br>AWY-LO  | 40.72611<br>-113.75742 | 35,000 ft<br>10,668 m | 27           | BONNEVILLE VORTAC      |
| OPNUZ<br>FIX  | V200<br>AWY-LO | 40.73158<br>-113.68875 | 35,000 ft<br>10,668 m | 3            | -                      |
| BAGGI<br>FIX  | V200<br>AWY-LO | 40.74285<br>-113.53928 | 35,000 ft<br>10,668 m | 6            | -                      |
| CEVAR<br>FIX  | V200<br>AWY-LO | 40.78877<br>-112.91084 | 35,000 ft<br>10,668 m | 28           | -                      |
| TIMPI<br>FIX  | V200<br>AWY-LO | 40.80710<br>-112.64537 | 35,000 ft<br>10,668 m | 12           | -                      |
| STACO<br>FIX  | V200<br>AWY-LO | 40.82220<br>-112.41960 | 35,000 ft<br>10,668 m | 10           | -                      |
| LAVRY<br>FIX  | V32<br>AWY-LO  | 40.82512<br>-112.37575 | 35,000 ft<br>10,668 m | 2            | -                      |
| SALTA<br>FIX  | V32<br>AWY-LO  | 40.83902<br>-112.16048 | 35,000 ft<br>10,668 m | 9            | -                      |
| TCH<br>VOR    | V32<br>AWY-LO  | 40.85025<br>-111.98192 | 35,000 ft<br>10,668 m | 8            | WASATCH VORTAC         |
| NEOLA<br>FIX  | V101<br>AWY-LO | 40.48010<br>-110.00178 | 35,000 ft<br>10,668 m | 92           | -                      |
| VEL<br>VOR    | V101<br>AWY-LO | 40.37903<br>-109.49331 | 35,000 ft<br>10,668 m | 24           | VERNAL VOR-DME         |
| RENAE<br>FIX  | V101<br>AWY-LO | 40.42057<br>-108.91028 | 35,000 ft<br>10,668 m | 26           | -                      |
| STRIM<br>FIX  | V101<br>AWY-LO | 40.48944<br>-107.84082 | 35,000 ft<br>10,668 m | 49           | -                      |
| HAGJI<br>FIX  | V101<br>AWY-LO | 40.50497<br>-107.57469 | 35,000 ft<br>10,668 m | 12           | -                      |
| CHE<br>VOR    | V101<br>AWY-LO | 40.52008<br>-107.30489 | 35,000 ft<br>10,668 m | 12           | HAYDEN VOR-DME         |
| LORIN<br>FIX  | V101<br>AWY-LO | 40.52119<br>-107.08635 | 35,000 ft<br>10,668 m | 9            | -                      |
| ZOMBU<br>FIX  | V101<br>AWY-LO | 40.52172<br>-106.93336 | 35,000 ft<br>10,668 m | 6            | -                      |
| ECHOA         | V101           | 40.52181               | 35,000 ft             | 1            | -                      |

| Ident<br>Type | Via    | Lat<br>Lon | Alt       | Dist<br>(nm) | Name                     |
|---------------|--------|------------|-----------|--------------|--------------------------|
| FIX           | AWY-LO | -106.89998 | 10,668 m  |              |                          |
| BROCC         | V101   | 40.52184   | 35,000 ft | 25           | -                        |
| FIX           | AWY-LO | -106.33472 | 10,668 m  |              |                          |
| FROGS         | V101   | 40.52003   | 35,000 ft | 20           | -                        |
| FIX           | AWY-LO | -105.89478 | 10,668 m  |              |                          |
| RIDJE         | V101   | 40.51817   | 35,000 ft | 11           | -                        |
| FIX           | AWY-LO | -105.63813 | 10,668 m  |              |                          |
| LIBEL         | V101   | 40.51237   | 35,000 ft | 24           | -                        |
| FIX           | AWY-LO | -105.10279 | 10,668 m  |              |                          |
| GLL           | V101   | 40.50386   | 35,000 ft | 25           | GILL VOR-DME             |
| VOR           | AWY-LO | -104.55303 | 10,668 m  |              |                          |
| SYLVR         | V220   | 40.29258   | 35,000 ft | 40           | -                        |
| FIX           | AWY-LO | -103.71064 | 10,668 m  |              |                          |
| BACAT         | V220   | 40.24162   | 35,000 ft | 9            | -                        |
| FIX           | AWY-LO | -103.51178 | 10,668 m  |              |                          |
| AKO           | V220   | 40.15556   | 35,000 ft | 16           | AKRON VOR-DME            |
| VOR           | AWY-LO | -103.17972 | 10,668 m  |              |                          |
| GERON         | V132   | 40.06387   | 35,000 ft | 9            | -                        |
| FIX           | AWY-LO | -102.99832 | 10,668 m  |              |                          |
| GLD           | V132   | 39.38786   | 35,000 ft | 72           | GOODLAND VORTAC          |
| VOR           | AWY-LO | -101.69231 | 10,668 m  |              |                          |
| ORION         | V132   | 39.04819   | 35,000 ft | 49           | -                        |
| FIX           | AWY-LO | -100.72975 | 10,668 m  |              |                          |
| RANSO         | V132   | 38.74011   | 35,000 ft | 43           | -                        |
| FIX           | AWY-LO | -99.88319  | 10,668 m  |              |                          |
| DISKS         | V132   | 38.36049   | 35,000 ft | 52           | -                        |
| FIX           | AWY-LO | -98.87200  | 10,668 m  |              |                          |
| SPELT         | V132   | 38.12986   | 35,000 ft | 31           | -                        |
| FIX           | AWY-LO | -98.27375  | 10,668 m  |              |                          |
| HUT           | V132   | 37.99692   | 35,000 ft | 17           | HUTCHINSON VOR-DME       |
| VOR           | AWY-LO | -97.93414  | 10,668 m  |              |                          |
| WUKUS         | V73    | 37.89103   | 35,000 ft | 9            | -                        |
| FIX           | AWY-LO | -97.78631  | 10,668 m  |              |                          |
| WUKOL         | V73    | 37.88500   | 35,000 ft | 0            | -                        |
| FIX           | AWY-LO | -97.77789  | 10,668 m  |              |                          |
| MUGER         | V73    | 37.84851   | 35,000 ft | 3            | -                        |
| FIX           | AWY-LO | -97.72713  | 10,668 m  |              |                          |
| ICT           | V73    | 37.74525   | 35,000 ft | 9            | WICHITA VORTAC           |
| VOR           | AWY-LO | -97.58383  | 10,668 m  |              |                          |
| NUTME         | V350   | 37.73094   | 35,000 ft | 12           | -                        |
| FIX           | AWY-LO | -97.31128  | 10,668 m  |              |                          |
| OBDAW         | V350   | 37.68722   | 32,700 ft | 36           | -                        |
| FIX           | AWY-LO | -96.54350  | 9,967 m   |              |                          |
| CNU           | V350   | 37.62617   | 23,000 ft | 45           | CHANUTE VOR-DME          |
| VOR           | AWY-LO | -95.59347  | 7,010 m   |              |                          |
| KSGF          | -      | 37.24559   | 0 ft      | 107          | SPRINGFIELD BRANSON NATL |
| APT           | -      | -93.38839  | 0 m       |              |                          |

## KRNO

Region: UNITED STATES  
Timezone: AMERICA/LOS\_ANGELES  
Runways: 3

Elevation: 4,415 ft / 1,346 m  
Location: 39.498800 -119.768000  
Magnetic Var: 12.745 E

## METAR

KRNO 151855Z 00000KT 10SM FEW250 24/M04 A3007 RMK A02 SLP131 T02441039

## TAF

TAF KRNO 151720Z 1518/1618 VRB03KT P6SM FEW250 FM152200 03011KT P6SM SKC FM160400 26004KT P6SM FEW250

## Frequencies

REC - 135.80 MHz - ATIS  
CLD - 124.90 MHz - CLNC DEL  
TWR - 118.70 MHz - RENO TOWER  
APP - 126.30 MHz - NORCAL APPROACH  
COM - 122.95 MHz - UNICOM  
GND - 121.90 MHz - RENO GROUND  
APP - 119.20 MHz - NORCAL APPROACH

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 16R   | 151 ft | 11,026 ft | 180.12                  | CONCRETE | 1,004 ft            | 394 ft            |
|       | 46 m   | 3,361 m   | 167.38                  |          | 306 m               | 120 m             |
| 34L   | 151 ft | 11,026 ft | 0.12                    | CONCRETE | 994 ft              | 1,148 ft          |
|       | 46 m   | 3,361 m   | 347.38                  |          | 303 m               | 350 m             |
| 16L   | 151 ft | 9,016 ft  | 180.12                  | CONCRETE | 0 ft                | 400 ft            |
|       | 46 m   | 2,748 m   | 167.37                  |          | 0 m                 | 122 m             |
| 34R   | 151 ft | 9,016 ft  | 0.11                    | CONCRETE | 0 ft                | 400 ft            |
|       | 46 m   | 2,748 m   | 347.37                  |          | 0 m                 | 122 m             |
| 07    | 151 ft | 6,087 ft  | 90.23                   | CONCRETE | 0 ft                | 203 ft            |
|       | 46 m   | 1,855 m   | 77.48                   |          | 0 m                 | 62 m              |
| 25    | 151 ft | 6,087 ft  | 270.24                  | CONCRETE | 0 ft                | 200 ft            |
|       | 46 m   | 1,855 m   | 257.50                  |          | 0 m                 | 61 m              |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 16R    | DME     | IRNO  | 110.90 MHz | 18 nm | -                       | -     | 4,410 ft  |
|        |         |       |            | 33 km | -                       |       | 4,410 m   |
| 16R    | LOC-ILS | IRNO  | 110.90 MHz | 18 nm | 180.12                  | -     | 4,415 ft  |
|        |         |       |            | 33 km | 167.37                  |       | 4,415 m   |
| 34L    | LOC-ILS | IAGY  | 109.90 MHz | 18 nm | 0.12                    | -     | 4,410 ft  |
|        |         |       |            | 33 km | 347.37                  |       | 4,410 m   |
| 16R    | GS      | IRNO  | 110.90 MHz | 10 nm | 180.12                  | 3.10  | 4,415 ft  |
|        |         |       |            | 19 km | 167.37                  |       | 4,415 m   |
| 34L    | GS      | IAGY  | 109.90 MHz | 10 nm | 0.12                    | 3.54  | 4,415 ft  |
|        |         |       |            | 19 km | 347.37                  |       | 4,415 m   |

## KSGF

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 2

Elevation: 1,268 ft / 386 m  
Location: 37.245600 -93.388400  
Magnetic Var: 0.276 E

## METAR

KSGF 151852Z 00000KT 10SM SCT030 BKN100 23/16 A2987 RMK A02 SLP108 T02280156

## TAF

TAF KSGF 151720Z 1518/1618 VRB04KT P6SM SCT020 FM160800 17007KT 6SM SHRA BR OVC035 FM161500 21009KT P6SM VCSH BKN0

## Frequencies

|  |   |
|--|---|
| REC - 135.12 MHz - ATIS                  | COM - 122.95 MHz - UNICOM               |
| CLD - 123.67 MHz - CLEARANCE DELIVERY    | GND - 121.90 MHz - SPRINGFIELD GROUND   |
| TWR - 119.90 MHz - SPRINGFIELD TOWER     | APP - 121.10 MHz - SPRINGFIELD APPROACH |
| DEP - 121.10 MHz - SPRINGFIELD DEPARTURE | APP - 124.95 MHz - SPRINGFIELD APPROACH |
| DEP - 124.95 MHz - SPRINGFIELD DEPARTURE |   |

## Runways

| Ident | Width  | Length   | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|----------|-------------------------|----------|---------------------|-------------------|
| 14    | 150 ft | 8,005 ft | 141.90                  | CONCRETE | 0 ft                | 200 ft            |
|       | 46 m   | 2,440 m  | 141.62                  |          | 0 m                 | 61 m              |
| 32    | 150 ft | 8,005 ft | 321.91                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,440 m  | 321.63                  |          | 0 m                 | 0 m               |
| 02    | 150 ft | 7,014 ft | 21.71                   | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,138 m  | 21.44                   |          | 0 m                 | 0 m               |
| 20    | 150 ft | 7,014 ft | 201.72                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,138 m  | 201.44                  |          | 0 m                 | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 14     | DME     | IGWA  | 109.70 MHz | 18 nm | -                       | -     | 1,286 ft  |
|        |         |       |            | 33 km | -                       |       | 1,286 m   |
| 02     | LOC-ILS | ISGF  | 109.90 MHz | 18 nm | 21.72                   | -     | 1,268 ft  |
|        |         |       |            | 33 km | 21.44                   |       | 1,268 m   |
| 14     | LOC-ILS | IGWA  | 109.70 MHz | 18 nm | 141.91                  | -     | 1,268 ft  |
|        |         |       |            | 33 km | 141.63                  |       | 1,268 m   |
| 02     | GS      | ISGF  | 109.90 MHz | 10 nm | 21.72                   | 3.00  | 1,268 ft  |
|        |         |       |            | 19 km | 21.44                   |       | 1,268 m   |
| 14     | GS      | IGWA  | 109.70 MHz | 10 nm | 141.91                  | 3.00  | 1,268 ft  |
|        |         |       |            | 19 km | 141.63                  |       | 1,268 m   |