

# KDEN

Denver Intl

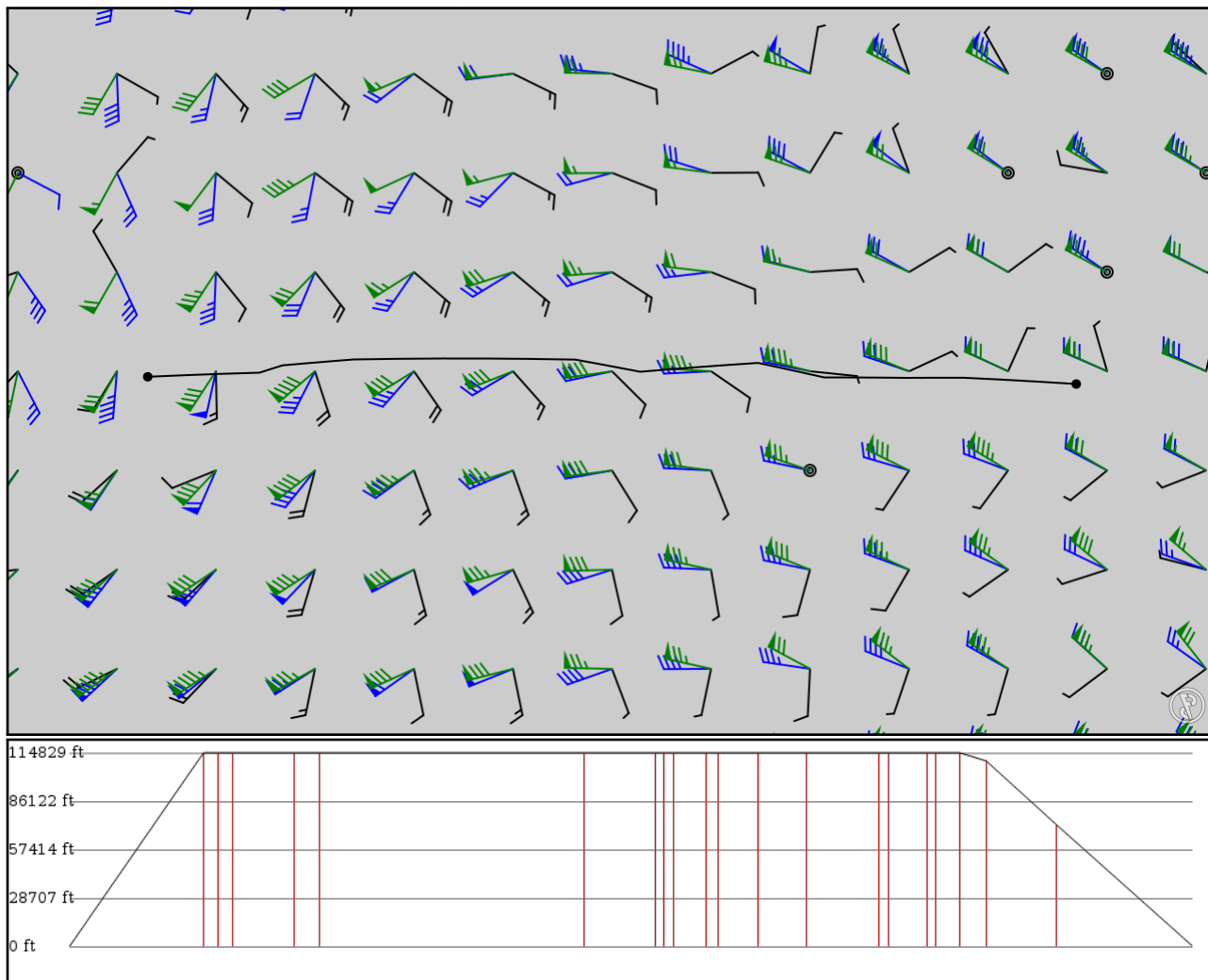
# KIND

Indianapolis International Airport

2024/06/07 2106Z

KDEN RUDVE **V148** MCJEF **V220** MCK **J130** PWE **V50** SPI **J80** GORDO KIND

852.57 nm / 1578.96 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes



## Route

| Ident<br>Type | Via    | Lat<br>Lon | Alt       | Dist<br>(nm) | Name                               |
|---------------|--------|------------|-----------|--------------|------------------------------------|
| KDEN          | -      | 39.86100   | 0 ft      | -            | Denver Intl                        |
| APT           | -      | -104.67200 | 0 m       |              |                                    |
| RUDVE         | -      | 39.94230   | 35,000 ft | 101          | -                                  |
| FIX           | -      | -102.46100 | 10,668 m  |              |                                    |
| WODUG         | V148   | 40.01240   | 35,000 ft | 10           | -                                  |
| FIX           | AWY-LO | -102.24100 | 10,668 m  |              |                                    |
| MCJEF         | V148   | 40.08660   | 35,000 ft | 11           | -                                  |
| FIX           | AWY-LO | -102.00600 | 10,668 m  |              |                                    |
| QWILT         | V220   | 40.17240   | 35,000 ft | 46           | -                                  |
| FIX           | AWY-LO | -100.99400 | 10,668 m  |              |                                    |
| MCK           | V220   | 40.20380   | 35,000 ft | 18           | MC COOK                            |
| VOR           | AWY-LO | -100.59400 | 10,668 m  |              |                                    |
| PWE           | J130   | 40.20040   | 35,000 ft | 201          | PAWNEE CITY                        |
| VOR           | AWY-HI | -96.20630  | 10,668 m  |              |                                    |
| UBELE         | V50    | 39.98890   | 35,000 ft | 53           | -                                  |
| FIX           | AWY-LO | -95.07240  | 10,668 m  |              |                                    |
| STJ           | V50    | 39.96060   | 35,000 ft | 6            | SAINT JOSEPH                       |
| VOR           | AWY-LO | -94.92520  | 10,668 m  |              |                                    |
| WITAG         | V50    | 39.97330   | 35,000 ft | 6            | -                                  |
| FIX           | AWY-LO | -94.77440  | 10,668 m  |              |                                    |
| PATTN         | V50    | 40.01630   | 35,000 ft | 24           | -                                  |
| FIX           | AWY-LO | -94.24560  | 10,668 m  |              |                                    |
| JAWED         | V50    | 40.03320   | 35,000 ft | 10           | -                                  |
| FIX           | AWY-LO | -94.02890  | 10,668 m  |              |                                    |
| YIGRE         | V50    | 40.08140   | 35,000 ft | 29           | -                                  |
| FIX           | AWY-LO | -93.38040  | 10,668 m  |              |                                    |
| IRK           | V50    | 40.13500   | 35,000 ft | 36           | KIRKSVILLE                         |
| VOR           | AWY-LO | -92.59170  | 10,668 m  |              |                                    |
| HEBET         | V50    | 39.88520   | 35,000 ft | 54           | -                                  |
| FIX           | AWY-LO | -91.44510  | 10,668 m  |              |                                    |
| UIN           | V50    | 39.84790   | 35,000 ft | 7            | QUINCY                             |
| VOR           | AWY-LO | -91.27890  | 10,668 m  |              |                                    |
| SEXTN         | V50    | 39.84730   | 35,000 ft | 29           | -                                  |
| FIX           | AWY-LO | -90.63950  | 10,668 m  |              |                                    |
| YALUR         | V50    | 39.84670   | 35,000 ft | 6            | -                                  |
| FIX           | AWY-LO | -90.50930  | 10,668 m  |              |                                    |
| GINIA         | V50    | 39.84410   | 35,000 ft | 18           | -                                  |
| FIX           | AWY-LO | -90.10370  | 10,668 m  |              |                                    |
| SPI           | V50    | 39.83970   | 33,500 ft | 19           | SPINNER (SPRINGFIELD)              |
| VOR           | AWY-LO | -89.67770  | 10,211 m  |              |                                    |
| GORDO         | J80    | 39.84180   | 22,000 ft | 53           | -                                  |
| FIX           | AWY-HI | -88.51200  | 6,706 m   |              |                                    |
| KIND          | -      | 39.71820   | 0 ft      | 102          | Indianapolis International Airport |
| APT           | -      | -86.29280  | 0 m       |              |                                    |

## KDEN

Region: UNITED STATES  
Timezone: AMERICA/DENVER  
Runways: 6

Elevation: 5,429 ft / 1,655 m  
Location: 39.861000 -104.672000  
Magnetic Var: 7.386 E

## METAR

KDEN 071953Z 32012G22KT 10SM FEW090 SCT140 BKN200 34/03 A2995 RMK A02 PK WND 33026/1914 SLP042 VIRGA T03390033

## TAF

TAF AMD KDEN 072037Z 0721/0824 32029G39KT P6SM VCTS SCT120CB BKN220 TEMPO 0721/0801 VRB25G35KT FM080300 06008KT P

## Frequencies

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| REC - 134.02 MHz - D-ATIS             | COM - 122.95 MHz - UNICOM           |
| CLD - 118.75 MHz - CLEARANCE DELIVERY | GND - 121.85 MHz - DENVER GROUND    |
| GND - 127.50 MHz - DENVER GROUND      | TWR - 132.35 MHz - DENVER TOWER     |
| TWR - 133.30 MHz - DENVER TOWER       | TWR - 128.75 MHz - DENVER TOWER     |
| TWR - 135.30 MHz - DENVER TOWER       | APP - 119.30 MHz - DENVER APPROACH  |
| APP - 120.35 MHz - DENVER APPROACH    | DEP - 126.10 MHz - DENVER DEPARTURE |
| DEP - 127.05 MHz - DENVER DEPARTURE   | DEP - 128.25 MHz - DENVER DEPARTURE |
| DEP - 128.45 MHz - DENVER DEPARTURE   |                                     |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 16R   | 200 ft | 16,016 ft | 180.50                  | CONCRETE | 0 ft                | 410 ft            |
|       | 61 m   | 4,882 m   | 173.11                  |          | 0 m                 | 125 m             |
| 34L   | 200 ft | 16,016 ft | 0.50                    | CONCRETE | 0 ft                | 410 ft            |
|       | 61 m   | 4,882 m   | 353.11                  |          | 0 m                 | 125 m             |
| 16L   | 151 ft | 12,013 ft | 180.51                  | CONCRETE | 0 ft                | 413 ft            |
|       | 46 m   | 3,662 m   | 173.13                  |          | 0 m                 | 126 m             |
| 34R   | 151 ft | 12,013 ft | 0.51                    | CONCRETE | 0 ft                | 394 ft            |
|       | 46 m   | 3,662 m   | 353.13                  |          | 0 m                 | 120 m             |
| 17R   | 151 ft | 12,013 ft | 180.53                  | CONCRETE | 0 ft                | 413 ft            |
|       | 46 m   | 3,662 m   | 173.14                  |          | 0 m                 | 126 m             |
| 35L   | 151 ft | 12,013 ft | 0.53                    | CONCRETE | 0 ft                | 400 ft            |
|       | 46 m   | 3,662 m   | 353.14                  |          | 0 m                 | 122 m             |
| 17L   | 151 ft | 12,013 ft | 180.54                  | CONCRETE | 0 ft                | 404 ft            |
|       | 46 m   | 3,662 m   | 173.16                  |          | 0 m                 | 123 m             |
| 35R   | 151 ft | 12,013 ft | 0.54                    | CONCRETE | 0 ft                | 400 ft            |
|       | 46 m   | 3,662 m   | 353.16                  |          | 0 m                 | 122 m             |
| 07    | 151 ft | 12,013 ft | 90.50                   | CONCRETE | 0 ft                | 377 ft            |
|       | 46 m   | 3,662 m   | 83.11                   |          | 0 m                 | 115 m             |
| 25    | 151 ft | 12,013 ft | 270.52                  | CONCRETE | 0 ft                | 374 ft            |
|       | 46 m   | 3,662 m   | 263.14                  |          | 0 m                 | 114 m             |
| 08    | 151 ft | 12,013 ft | 90.54                   | CONCRETE | 0 ft                | 367 ft            |
|       | 46 m   | 3,662 m   | 83.15                   |          | 0 m                 | 112 m             |
| 26    | 151 ft | 12,013 ft | 270.56                  | CONCRETE | 0 ft                | 400 ft            |
|       | 46 m   | 3,662 m   | 263.18                  |          | 0 m                 | 122 m             |

## Approach Nav aids

| Runway | Type | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 07     | DME  | IDZG  | 111.55 MHz | 18 nm | -                       | -     | 5,352 ft  |
|        |      |       |            | 33 km | -                       |       | 5,352 m   |

| Runway | Type    | Ident | Frequency  | Range          | Bearing (true)<br>(mag) | Slope | Elevation           |
|--------|---------|-------|------------|----------------|-------------------------|-------|---------------------|
| 08     | DME     | IFUI  | 108.90 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,345 ft<br>5,345 m |
| 16L    | DME     | ILTT  | 111.10 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,347 ft<br>5,347 m |
| 16R    | DME     | IDQQ  | 111.90 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,311 ft<br>5,311 m |
| 17L    | DME     | IBXP  | 110.15 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,328 ft<br>5,328 m |
| 17R    | DME     | IACX  | 108.50 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,390 ft<br>5,390 m |
| 25     | DME     | IERP  | 111.55 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,352 ft<br>5,352 m |
| 26     | DME     | IJOY  | 108.90 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,300 ft<br>5,300 m |
| 34L    | DME     | IDXU  | 111.90 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,311 ft<br>5,311 m |
| 34R    | DME     | IOUF  | 111.10 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,349 ft<br>5,349 m |
| 35L    | DME     | IAQD  | 108.50 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,421 ft<br>5,421 m |
| 35R    | DME     | IDPP  | 110.15 MHz | 18 nm<br>33 km | -<br>-                  | -     | 5,360 ft<br>5,360 m |
| 07     | LOC-ILS | IDZG  | 111.55 MHz | 18 nm<br>33 km | 90.51<br>83.12          | -     | 5,431 ft<br>5,431 m |
| 08     | LOC-ILS | IFUI  | 108.90 MHz | 18 nm<br>33 km | 90.55<br>83.16          | -     | 5,431 ft<br>5,431 m |
| 16L    | LOC-ILS | ILTT  | 111.10 MHz | 18 nm<br>33 km | 180.51<br>173.12        | -     | 5,431 ft<br>5,431 m |
| 16R    | LOC-ILS | IDQQ  | 111.90 MHz | 18 nm<br>33 km | 180.50<br>173.11        | -     | 5,431 ft<br>5,431 m |
| 17L    | LOC-ILS | IBXP  | 110.15 MHz | 18 nm<br>33 km | 180.53<br>173.14        | -     | 5,431 ft<br>5,431 m |
| 17R    | LOC-ILS | IACX  | 108.50 MHz | 18 nm<br>33 km | 180.53<br>173.14        | -     | 5,431 ft<br>5,431 m |
| 25     | LOC-ILS | IERP  | 111.55 MHz | 18 nm<br>33 km | 270.51<br>263.12        | -     | 5,431 ft<br>5,431 m |
| 26     | LOC-ILS | IJOY  | 108.90 MHz | 18 nm<br>33 km | 270.55<br>263.16        | -     | 5,431 ft<br>5,431 m |
| 34L    | LOC-ILS | IDXU  | 111.90 MHz | 18 nm<br>33 km | 0.50<br>353.11          | -     | 5,431 ft<br>5,431 m |
| 34R    | LOC-ILS | IOUF  | 111.10 MHz | 18 nm<br>33 km | 0.51<br>353.12          | -     | 5,431 ft<br>5,431 m |
| 35L    | LOC-ILS | IAQD  | 108.50 MHz | 18 nm<br>33 km | 0.53<br>353.14          | -     | 5,431 ft<br>5,431 m |
| 35R    | LOC-ILS | IDPP  | 110.15 MHz | 18 nm<br>33 km | 0.53<br>353.14          | -     | 5,431 ft<br>5,431 m |
| 07     | GS      | IDZG  | 111.55 MHz | 10 nm<br>19 km | 90.51<br>83.12          | 3.00  | 5,431 ft<br>5,431 m |
| 08     | GS      | IFUI  | 108.90 MHz | 10 nm<br>19 km | 90.55<br>83.16          | 3.00  | 5,431 ft<br>5,431 m |
| 16L    | GS      | ILTT  | 111.10 MHz | 10 nm<br>19 km | 180.51<br>173.12        | 3.00  | 5,431 ft<br>5,431 m |
| 16R    | GS      | IDQQ  | 111.90 MHz | 10 nm<br>19 km | 180.50<br>173.11        | 3.00  | 5,431 ft<br>5,431 m |
| 17L    | GS      | IBXP  | 110.15 MHz | 10 nm<br>19 km | 180.53<br>173.14        | 3.00  | 5,431 ft<br>5,431 m |
| 17R    | GS      | IACX  | 108.50 MHz | 10 nm<br>19 km | 180.53<br>173.14        | 3.00  | 5,431 ft<br>5,431 m |
| 25     | GS      | IERP  | 111.55 MHz | 10 nm<br>19 km | 270.51<br>263.12        | 3.00  | 5,431 ft<br>5,431 m |
| 26     | GS      | IJOY  | 108.90 MHz | 10 nm          | 270.55                  | 3.00  | 5,431 ft            |

| Runway | Type | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
|        |      |       |            | 19 km | 263.16                  |       | 5,431 m   |
| 34L    | GS   | IDXU  | 111.90 MHz | 10 nm | 0.50                    | 3.00  | 5,431 ft  |
|        |      |       |            | 19 km | 353.11                  |       | 5,431 m   |
| 34R    | GS   | IOUF  | 111.10 MHz | 10 nm | 0.51                    | 3.00  | 5,431 ft  |
|        |      |       |            | 19 km | 353.12                  |       | 5,431 m   |
| 35L    | GS   | IAQD  | 108.50 MHz | 10 nm | 0.53                    | 3.00  | 5,431 ft  |
|        |      |       |            | 19 km | 353.14                  |       | 5,431 m   |
| 35R    | GS   | IDPP  | 110.15 MHz | 10 nm | 0.53                    | 3.00  | 5,431 ft  |
|        |      |       |            | 19 km | 353.14                  |       | 5,431 m   |

## KIND

Region: UNITED STATES  
Timezone: AMERICA/INDIANA/INDIANAPOLIS  
Runways: 3

Elevation: 793 ft / 242 m  
Location: 39.718200 -86.292800  
Magnetic Var: 5.036 W

## METAR

KIND 071954Z 28016G28KT 10SM FEW075 27/07 A2984 RMK A02 PK WND 27033/1920 SLP099 T02720067 \$

## TAF

KIND 072022Z 0720/0824 29016G27KT P6SM FEW060 FM080000 30006KT P6SM SCT250 FM080600 VRB05KT P6SM BKN150 FM081300

## Frequencies

|   |   |
|---|---|
| REC - 124.40 MHz - ATIS                   | REC - 134.25 MHz - ATIS                   |
| COM - 122.95 MHz - UNICOM                 | CLD - 128.75 MHz - CLEARANCE DELIVERY     |
| GND - 121.80 MHz - INDY GROUND            | GND - 121.90 MHz - INDY GROUND            |
| TWR - 120.90 MHz - INDY TOWER             | TWR - 127.82 MHz - INDY TOWER             |
| APP - 119.30 MHz - INDIANAPOLIS APPROACH  | APP - 124.65 MHz - INDIANAPOLIS APPROACH  |
| APP - 127.15 MHz - INDIANAPOLIS APPROACH  | DEP - 119.05 MHz - INDIANAPOLIS DEPARTURE |
| DEP - 124.95 MHz - INDIANAPOLIS DEPARTURE |   |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 05L   | 151 ft | 11,210 ft | 44.43                   | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,417 m   | 49.47                   |          | 0 m                 | 0 m               |
| 23R   | 151 ft | 11,210 ft | 224.45                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,417 m   | 229.49                  |          | 0 m                 | 0 m               |
| 05R   | 151 ft | 10,009 ft | 44.45                   | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,051 m   | 49.49                   |          | 0 m                 | 0 m               |
| 23L   | 151 ft | 10,009 ft | 224.47                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 3,051 m   | 229.50                  |          | 0 m                 | 0 m               |
| 14    | 151 ft | 7,284 ft  | 134.65                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,220 m   | 139.69                  |          | 0 m                 | 0 m               |
| 32    | 151 ft | 7,284 ft  | 314.66                  | CONCRETE | 0 ft                | 0 ft              |
|       | 46 m   | 2,220 m   | 319.70                  |          | 0 m                 | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 05L    | DME     | IIND  | 111.75 MHz | 18 nm | -                       | -     | 1,010 ft  |
|        |         |       |            | 33 km | -                       |       | 1,010 m   |
| 05R    | DME     | IOQV  | 111.15 MHz | 18 nm | -                       | -     | 797 ft    |
|        |         |       |            | 33 km | -                       |       | 797 m     |
| 23L    | DME     | IFVJ  | 111.15 MHz | 18 nm | -                       | -     | 797 ft    |
|        |         |       |            | 33 km | -                       |       | 797 m     |
| 23R    | DME     | IUZK  | 111.75 MHz | 18 nm | -                       | -     | 1,010 ft  |
|        |         |       |            | 33 km | -                       |       | 1,010 m   |
| 05L    | LOC-ILS | IIND  | 111.75 MHz | 18 nm | 44.45                   | -     | 797 ft    |
|        |         |       |            | 33 km | 49.48                   |       | 797 m     |
| 05R    | LOC-ILS | IOQV  | 111.15 MHz | 18 nm | 44.46                   | -     | 797 ft    |
|        |         |       |            | 33 km | 49.49                   |       | 797 m     |
| 14     | LOC-ILS | IBJP  | 110.50 MHz | 18 nm | 134.67                  | -     | 797 ft    |
|        |         |       |            | 33 km | 139.71                  |       | 797 m     |

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 23L    | LOC-ILS | IFVJ  | 111.15 MHz | 18 nm | 224.43                  | -     | 797 ft    |
|        |         |       |            | 33 km | 229.47                  |       | 797 m     |
| 23R    | LOC-ILS | IUZK  | 111.75 MHz | 18 nm | 224.42                  | -     | 797 ft    |
|        |         |       |            | 33 km | 229.46                  |       | 797 m     |
| 32     | LOC-ILS | ICOA  | 110.50 MHz | 18 nm | 314.66                  | -     | 797 ft    |
|        |         |       |            | 33 km | 319.70                  |       | 797 m     |
| 05L    | GS      | IIND  | 111.75 MHz | 10 nm | 44.86                   | 3.00  | 741 ft    |
|        |         |       |            | 19 km | 49.90                   |       | 741 m     |
| 05R    | GS      | IOQV  | 111.15 MHz | 10 nm | 44.88                   | 3.00  | 790 ft    |
|        |         |       |            | 19 km | 49.92                   |       | 790 m     |
| 14     | GS      | IBJP  | 110.50 MHz | 10 nm | 135.34                  | 3.00  | 797 ft    |
|        |         |       |            | 19 km | 140.38                  |       | 797 m     |
| 23L    | GS      | IFVJ  | 111.15 MHz | 10 nm | 224.88                  | 3.00  | 788 ft    |
|        |         |       |            | 19 km | 229.92                  |       | 788 m     |
| 23R    | GS      | IUZK  | 111.75 MHz | 10 nm | 224.86                  | 3.00  | 777 ft    |
|        |         |       |            | 19 km | 229.90                  |       | 777 m     |
| 32     | GS      | ICOA  | 110.50 MHz | 10 nm | 315.34                  | 3.00  | 797 ft    |
|        |         |       |            | 19 km | 320.38                  |       | 797 m     |