

# KDFW - Dallas-fort Worth - Dallas Fort Worth Intl

---

## Airport details

|             |                          |
|-------------|--------------------------|
| State       | Texas                    |
| Country     | United States of America |
| Region      | K4                       |
| Elevation   | 604ft (184m)             |
| Timezone    | GMT -6                   |
| Coordinates | 32.89723, -97.03770      |
| Type        | land                     |
| ICAO code   | KDFW                     |
| IATA code   | DFW                      |
| FAA code    | DFW                      |

## Runway info

|                  |                             |
|------------------|-----------------------------|
| Runway 17C / 35C |                             |
| length           | 4095m (13435ft)             |
| bearing          | 180° / 0°                   |
| width            | 45m (148ft)                 |
| surface          | asphalt                     |
| blast zone       | 124m (407ft) / 91m (299ft)  |
| Runway 17L / 35R |                             |
| length           | 2599m (8527ft)              |
| bearing          | 180° / 0°                   |
| width            | 45m (148ft)                 |
| surface          | concrete                    |
| blast zone       | 120m (394ft) / 122m (400ft) |
| Runway 18R / 36L |                             |
| length           | 4096m (13438ft)             |
| bearing          | 180° / 0°                   |
| width            | 45m (148ft)                 |
| surface          | asphalt                     |
| blast zone       | 122m (400ft) / 91m (299ft)  |
| Runway 17R / 35L |                             |
| length           | 4095m (13435ft)             |
| bearing          | 180° / 0°                   |
| width            | 60m (197ft)                 |
| surface          | concrete                    |
| blast zone       | 90m (295ft) / 92m (302ft)   |
| Runway 18L / 36R |                             |
| length           | 4096m (13438ft)             |
| bearing          | 180° / 0°                   |
| width            | 60m (197ft)                 |
| surface          | concrete                    |
| blast zone       | 121m (397ft) / 92m (302ft)  |

|                        |                           |
|------------------------|---------------------------|
| Runway 13R / 31L       |                           |
| length                 | 2838m (9311ft)            |
| bearing                | 134° / 314°               |
| width                  | 45m (148ft)               |
| surface                | concrete                  |
| blast zone             | 89m (292ft) / 91m (299ft) |
| Runway 13L / 31R       |                           |
| length                 | 2746m (9009ft)            |
| bearing                | 130° / 310°               |
| width                  | 60m (197ft)               |
| surface                | concrete                  |
| displacement threshold | 193m (633ft) / 0m (0ft)   |
| blast zone             | 91m (299ft) / 91m (299ft) |

## Communication

|                                           |         |
|-------------------------------------------|---------|
| Dallas Fort Worth Intl ATIS Arrival       | 123.775 |
| Dallas Fort Worth Intl ATIS Departure     | 135.925 |
| Dallas Fort Worth Intl ATIS Arrival       | 123.775 |
| Dallas Fort Worth Intl ATIS Arrival       | 123.775 |
| Dallas Fort Worth Intl ATIS Departure     | 135.925 |
| Dallas Fort Worth Intl ATIS Arrival       | 123.775 |
| Dallas Fort Worth Intl ATIS Departure     | 135.925 |
| Dallas Fort Worth Intl ATIS Departure     | 135.925 |
| Dallas Fort Worth Intl UNICOM             | 122.950 |
| Dallas Fort Worth Intl UNICOM             | 122.950 |
| Dallas Fort Worth Intl UNICOM             | 122.950 |
| Dallas Fort Worth Intl UNICOM             | 122.950 |
| Dallas Fort Worth Intl CLNC DEL           | 128.250 |
| Dallas Fort Worth Intl CLNC DEL           | 128.250 |
| Dallas Fort Worth Intl CLNC DEL           | 128.250 |
| Dallas Fort Worth Intl CLNC DEL           | 128.250 |
| Dallas Fort Worth Intl RGNL GND<br>East 2 | 121.800 |
| Dallas Fort Worth Intl RGNL GND<br>West   | 121.850 |
| Dallas Fort Worth Intl RGNL GND<br>West   | 121.850 |
| Dallas Fort Worth Intl RGNL GND<br>East 2 | 121.800 |
| Dallas Fort Worth Intl RGNL GND<br>East 1 | 121.650 |
| Dallas Fort Worth Intl RGNL GND<br>East 1 | 121.650 |
| Dallas Fort Worth Intl RGNL GND<br>West   | 121.850 |
| Dallas Fort Worth Intl RGNL GND<br>East 2 | 121.800 |

|                                           |         |
|-------------------------------------------|---------|
| Dallas Fort Worth Intl RGNL GND<br>East 2 | 121.800 |
| Dallas Fort Worth Intl RGNL GND<br>East 1 | 121.650 |
| Dallas Fort Worth Intl RGNL GND<br>East 1 | 121.650 |
| Dallas Fort Worth Intl RGNL GND<br>West   | 121.850 |
| Dallas Fort Worth Intl RGNL TWR<br>East 1 | 126.550 |
| Dallas Fort Worth Intl RGNL TWR<br>East 2 | 127.500 |
| Dallas Fort Worth Intl RGNL TWR<br>West 1 | 134.900 |
| Dallas Fort Worth Intl RGNL TWR<br>West 2 | 124.150 |
| Dallas Fort Worth Intl RGNL TWR<br>East 1 | 126.550 |
| Dallas Fort Worth Intl RGNL TWR<br>East 2 | 127.500 |
| Dallas Fort Worth Intl RGNL TWR<br>West 1 | 134.900 |
| Dallas Fort Worth Intl RGNL TWR<br>West 2 | 124.150 |
| Dallas Fort Worth Intl RGNL TWR<br>West 2 | 124.150 |
| Dallas Fort Worth Intl RGNL TWR<br>East 1 | 126.550 |
| Dallas Fort Worth Intl RGNL TWR<br>West 1 | 134.900 |
| Dallas Fort Worth Intl RGNL TWR<br>East 1 | 126.550 |
| Dallas Fort Worth Intl RGNL TWR<br>East 2 | 127.500 |
| Dallas Fort Worth Intl RGNL TWR<br>West 1 | 134.900 |
| Dallas Fort Worth Intl RGNL TWR<br>West 2 | 124.150 |
| Dallas Fort Worth Intl RGNL TWR<br>East 2 | 127.500 |
| Dallas Fort Worth Intl RGNL APP East<br>1 | 125.025 |
| Dallas Fort Worth Intl RGNL APP East<br>3 | 133.525 |
| Dallas Fort Worth Intl RGNL APP<br>West 1 | 133.625 |
| Dallas Fort Worth Intl RGNL APP East<br>1 | 125.025 |
| Dallas Fort Worth Intl RGNL APP<br>West 2 | 119.875 |
| Dallas Fort Worth Intl RGNL APP<br>West 1 | 133.625 |

|                                         |         |
|-----------------------------------------|---------|
| Dallas Fort Worth Intl RGNL APP East 3  | 133.525 |
| Dallas Fort Worth Intl RGNL APP West 2  | 119.875 |
| Dallas Fort Worth Intl RGNL APP West 1  | 133.625 |
| Dallas Fort Worth Intl RGNL APP West 2  | 119.875 |
| Dallas Fort Worth Intl RGNL APP West 1  | 133.625 |
| Dallas Fort Worth Intl RGNL APP East 3  | 133.525 |
| Dallas Fort Worth Intl RGNL APP East 1  | 125.025 |
| Dallas Fort Worth Intl RGNL APP West 2  | 119.875 |
| Dallas Fort Worth Intl RGNL APP East 1  | 125.025 |
| Dallas Fort Worth Intl RGNL APP East 3  | 133.525 |
| Dallas Fort Worth Intl RGNL DEP East 1  | 118.550 |
| Dallas Fort Worth Intl RGNL DEP North 1 | 124.825 |
| Dallas Fort Worth Intl RGNL DEP South 1 | 125.125 |
| Dallas Fort Worth Intl RGNL DEP West 1  | 126.475 |
| Dallas Fort Worth Intl RGNL DEP East 1  | 118.550 |
| Dallas Fort Worth Intl RGNL DEP South 1 | 125.125 |
| Dallas Fort Worth Intl RGNL DEP North 1 | 124.825 |
| Dallas Fort Worth Intl RGNL DEP East 1  | 118.550 |
| Dallas Fort Worth Intl RGNL DEP West 1  | 126.475 |
| Dallas Fort Worth Intl RGNL DEP East 1  | 118.550 |
| Dallas Fort Worth Intl RGNL DEP North 1 | 124.825 |
| Dallas Fort Worth Intl RGNL DEP South 1 | 125.125 |
| Dallas Fort Worth Intl RGNL DEP West 1  | 126.475 |
| Dallas Fort Worth Intl RGNL DEP South 1 | 125.125 |
| Dallas Fort Worth Intl RGNL DEP North 1 | 124.825 |
| Dallas Fort Worth Intl RGNL DEP West 1  | 126.475 |

## Approach frequencies

|             |     |        |         |
|-------------|-----|--------|---------|
| ILS-cat-III | 35R | 111.75 | 18.00mi |
| ILS-cat-III | 18R | 111.9  | 18.00mi |
| ILS-cat-III | 17C | 110.3  | 18.00mi |
| ILS-cat-III | 17L | 111.75 | 18.00mi |
| ILS-cat-III | 35C | 110.3  | 18.00mi |
| ILS-cat-II  | 36L | 111.9  | 18.00mi |
| ILS-cat-II  | 18L | 110.55 | 18.00mi |
| ILS-cat-II  | 17R | 111.35 | 18.00mi |
| ILS-cat-II  | 13R | 109.5  | 18.00mi |
| ILS-cat-I   | 35L | 111.35 | 18.00mi |
| ILS-cat-I   | 31R | 110.9  | 18.00mi |
| ILS-cat-I   | 36R | 110.55 | 18.00mi |
| 3° GS       | 13R | 109.5  | 18.00mi |
| 3° GS       | 35C | 110.3  | 18.00mi |
| 3° GS       | 35R | 111.75 | 18.00mi |
| 3° GS       | 35L | 111.35 | 18.00mi |
| 3° GS       | 36L | 111.9  | 18.00mi |
| 3° GS       | 18L | 110.55 | 18.00mi |
| 3° GS       | 36R | 110.55 | 18.00mi |
| 3° GS       | 31R | 110.9  | 18.00mi |
| 3° GS       | 17C | 110.3  | 18.00mi |
| 3° GS       | 17R | 111.35 | 18.00mi |
| 3° GS       | 17L | 111.75 | 18.00mi |
| 3° GS       | 18R | 111.9  | 18.00mi |

## Nearby beacons

| code | identifier                       | dist | bearing | frequency |
|------|----------------------------------|------|---------|-----------|
| TTT  | MAVERICK VOR/DME                 | 1.6  | 185.7°  | 113.10    |
| CVE  | COWBOY (DALLAS) VOR/DME          | 6.7  | 92.9°   | 116.20    |
| FUZ  | RANGER (DALLAS-FORT WORTH VORTAC | 7.1  | 266.8°  | 115.70    |
| FT   | MUFIN (FORT WORTH) NDB           | 16.9 | 269.2°  | 365       |
| NFW  | NAS JRB FORT WORTH (FT WO TACAN  | 21.6 | 252.6°  | 108.70    |
| DT   | PINCK (DENTON) NDB               | 24.5 | 337.6°  | 257       |
| PQF  | MESQUITE NDB                     | 26.1 | 99.8°   | 248       |
| MQP  | MILLSAP (MINERAL WELLS) VORTAC   | 49.5 | 259.8°  | 117.70    |
| MJF  | ARVILLA (GREENVILLE) TACAN       | 50.2 | 80.1°   | 109.60    |
| GV   | MAJOR (GREENVILLE) NDB           | 51.4 | 75.1°   | 201       |
| UKW  | BOWIE VORTAC                     | 54.9 | 309.1°  | 117.15    |
| BYP  | BONHAM VORTAC                    | 55.7 | 51.4°   | 114.60    |
| DNI  | DENISON (SHERMAN-DENISON) NDB    | 58.7 | 21.6°   | 341       |
| CGQ  | POWELL (CORSICANA) NDB           | 58.8 | 143.7°  | 344       |
| CQY  | CEDAR CREEK VORTAC               | 59.5 | 130.9°  | 114.80    |
| JEN  | GLEN ROSE TACAN                  | 61.4 | 228.7°  | 115       |
| CRS  | CORSICANA NDB                    | 61.5 | 143.4°  | 396       |

## Departure and arrival routes

Transition altitude 18000ft  
Transition level 18000ft

| SID end points         | distance | outbound direction |
|------------------------|----------|--------------------|
| ALL                    |          |                    |
| TEX1                   | 89.3     | 2°                 |
| DALL8                  | 153.4    | 78°                |
| KUSSO8                 | 184.8    | 101°               |
| GARL1                  | 88.8     | 108°               |
| JPOOL3                 | 82.1     | 182°               |
| SWABR8                 | 117.8    | 261°               |
| RW13L                  |          |                    |
| TGATE4, KEENE3, JACKY8 | 18.7     | 182°               |
| RW13R                  |          |                    |
| JACKY8, KEENE3, TGATE4 | 18.7     | 182°               |
| RW17 (ALL)             |          |                    |
| JACKY8, KEENE3, TGATE4 | 18.7     | 182°               |
| RW17C                  |          |                    |
| BLECO8                 | 89.3     | 2°                 |
| GRABE8                 | 177.6    | 23°                |
| AKUNA9                 | 132.9    | 33°                |
| ZACHH3                 | 187.2    | 72°                |
| TRYTN3                 | 207.0    | 76°                |
| FORCK2                 | 139.6    | 88°                |
| MRSSH2                 | 184.8    | 101°               |
| DARTZ8                 | 86.8     | 159°               |
| ARDIA7                 | 72.1     | 170°               |
| JASPA6                 | 82.1     | 182°               |
| NELYN6                 | 208.5    | 204°               |
| WSTEX2                 | 150.2    | 260°               |
| ALIAN2                 | 111.0    | 265°               |
| KATZZ2                 | 204.7    | 279°               |
| HRPER3                 | 166.2    | 283°               |
| HUDAD2                 | 127.7    | 287°               |
| LOWGN8                 | 208.2    | 319°               |
| RW17R                  |          |                    |
| BLECO8                 | 89.3     | 2°                 |
| GRABE8                 | 177.6    | 23°                |
| AKUNA9                 | 132.9    | 33°                |
| ZACHH3                 | 187.2    | 72°                |
| TRYTN3                 | 207.0    | 76°                |
| FORCK2                 | 139.6    | 88°                |
| MRSSH2                 | 184.8    | 101°               |
| DARTZ8                 | 86.8     | 159°               |
| ARDIA7                 | 72.1     | 170°               |
| JASPA6                 | 82.1     | 182°               |
| NELYN6                 | 208.5    | 204°               |

|            |                        |       |      |
|------------|------------------------|-------|------|
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |
|            | KATZZ2                 | 204.7 | 279° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW18 (ALL) |                        |       |      |
|            | JACKY8, TGATE4, KEENE3 | 18.7  | 182° |
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |
|            | KATZZ2                 | 204.7 | 279° |
| RW18L      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW18R      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW31L      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |

|            |                        |       |      |
|------------|------------------------|-------|------|
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | KEENE3, JACKY8, TGATE4 | 18.7  | 182° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |
|            | KATZZ2                 | 204.7 | 279° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW31R      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | TGATE4, JACKY8, KEENE3 | 18.7  | 182° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |
|            | KATZZ2                 | 204.7 | 279° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW35 (ALL) |                        |       |      |
|            | KEENE3, JACKY8         | 18.7  | 182° |
| RW35C      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | TGATE4                 | 18.7  | 182° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |



|            |                        |       |      |
|------------|------------------------|-------|------|
|            | KATZZ2                 | 204.7 | 279° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW35L      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | TGATE4                 | 18.7  | 182° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |
|            | KATZZ2                 | 204.7 | 279° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
|            | LOWGN8                 | 208.2 | 319° |
| RW36 (ALL) |                        |       |      |
|            | TGATE4, KEENE3, JACKY8 | 18.7  | 182° |
|            | HRPER3                 | 166.2 | 283° |
|            | HUDAD2                 | 127.7 | 287° |
| RW36L      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |
|            | TRYTN3                 | 207.0 | 76°  |
|            | FORCK2                 | 139.6 | 88°  |
|            | MRSSH2                 | 184.8 | 101° |
|            | DARTZ8                 | 86.8  | 159° |
|            | ARDIA7                 | 72.1  | 170° |
|            | JASPA6                 | 82.1  | 182° |
|            | NELYN6                 | 208.5 | 204° |
|            | WSTEX2                 | 150.2 | 260° |
|            | ALIAN2                 | 111.0 | 265° |
|            | KATZZ2                 | 204.7 | 279° |
|            | LOWGN8                 | 208.2 | 319° |
| RW36R      |                        |       |      |
|            | BLECO8                 | 89.3  | 2°   |
|            | GRABE8                 | 177.6 | 23°  |
|            | AKUNA9                 | 132.9 | 33°  |
|            | ZACHH3                 | 187.2 | 72°  |

|        |       |      |
|--------|-------|------|
| TRYTN3 | 207.0 | 76°  |
| FORCK2 | 139.6 | 88°  |
| MRSSH2 | 184.8 | 101° |
| DARTZ8 | 86.8  | 159° |
| ARDIA7 | 72.1  | 170° |
| JASPA6 | 82.1  | 182° |
| NELYN6 | 208.5 | 204° |
| WSTEX2 | 150.2 | 260° |
| ALIAN2 | 111.0 | 265° |
| KATZZ2 | 204.7 | 279° |
| LOWGN8 | 208.2 | 319° |

| STAR starting points | distance | inbound direction |
|----------------------|----------|-------------------|
|----------------------|----------|-------------------|

ALL

|                |      |      |
|----------------|------|------|
| TILLA3, PAWLZ3 | 43.4 | 36°  |
| BOOVE5, SOCKK4 | 42.8 | 49°  |
| JOVEM4         | 42.1 | 129° |
| SHAAM2, GIBBI2 | 39.6 | 142° |
| CAINE2, DAWGZ2 | 55.7 | 221° |
| SEEV4, BRDJE3  | 51.2 | 235° |
| FINGR7         | 41.6 | 243° |
| YEAGR4         | 40.9 | 295° |
| BEREE1, WHINY4 | 51.8 | 311° |
| CABBY2, FORNY3 | 43.4 | 323° |

RW13 (ALL)

|                |      |      |
|----------------|------|------|
| ZROBA1, SHMPP1 | 32.3 | 49°  |
| UKW5           | 54.9 | 129° |
| CQY1           | 59.5 | 311° |

RW13L

|        |      |      |
|--------|------|------|
| WILBR6 | 49.1 | 235° |
|--------|------|------|

RW13R

|        |      |      |
|--------|------|------|
| VKTRY2 | 30.9 | 132° |
| WILBR6 | 49.1 | 235° |

RW17 (ALL)

|                |      |      |
|----------------|------|------|
| ZROBA1, SHMPP1 | 32.3 | 49°  |
| UKW5           | 54.9 | 129° |
| VKTRY2         | 30.9 | 132° |
| CQY1           | 59.5 | 311° |

RW17C

|        |      |      |
|--------|------|------|
| WILBR6 | 49.1 | 235° |
|--------|------|------|

RW17L

|        |      |      |
|--------|------|------|
| WILBR6 | 49.1 | 235° |
|--------|------|------|

RW17R

|        |      |      |
|--------|------|------|
| WILBR6 | 49.1 | 235° |
|--------|------|------|

RW18 (ALL)

|                |      |      |
|----------------|------|------|
| ZROBA1, SHMPP1 | 32.3 | 49°  |
| UKW5           | 54.9 | 129° |
| VKTRY2         | 30.9 | 132° |

|            |                |      |      |
|------------|----------------|------|------|
| RW18L      | CQY1           | 59.5 | 311° |
|            | WILBR6         | 49.1 | 235° |
| RW18R      | WILBR6         | 49.1 | 235° |
|            | SHMPP1, ZROBA1 | 32.3 | 49°  |
| RW31 (ALL) | UKW5           | 54.9 | 129° |
|            | CQY1           | 59.5 | 311° |
| RW31L      | WILBR6         | 49.1 | 235° |
|            | WILBR6         | 49.1 | 235° |
| RW31R      | WILBR6         | 49.1 | 235° |
|            | SHMPP1, ZROBA1 | 32.3 | 49°  |
| RW35 (ALL) | UKW5           | 54.9 | 129° |
|            | CQY1           | 59.5 | 311° |
| RW35C      | WILBR6         | 49.1 | 235° |
|            | WILBR6         | 49.1 | 235° |
| RW35L      | WILBR6         | 49.1 | 235° |
|            | WILBR6         | 49.1 | 235° |
| RW35R      | WILBR6         | 49.1 | 235° |
|            | SHMPP1, ZROBA1 | 32.3 | 49°  |
| RW36 (ALL) | UKW5           | 54.9 | 129° |
|            | CQY1           | 59.5 | 311° |
| RW36L      | WILBR6         | 49.1 | 235° |
|            | WILBR6         | 49.1 | 235° |
| RW36R      | WILBR6         | 49.1 | 235° |
|            | WILBR6         | 49.1 | 235° |

## Holding patterns

| STAR name | hold at | type | turn  | heading*   | altitude | leg        | speed limit |
|-----------|---------|------|-------|------------|----------|------------|-------------|
| BEREE1    | BEREE   | VHF  | left  | 144 (324)° |          | DME 10.0mi | ICAO rules  |
| BEREE1    | CLEWS   | VHF  | left  | 103 (283)° |          | DME 10.0mi | ICAO rules  |
| BEREE1    | OUTLN   | VHF  | left  | 88 (268)°  |          | DME 10.0mi | ICAO rules  |
| BEREE1    | POPSY   | VHF  | right | 102 (282)° |          | DME 10.0mi | ICAO rules  |
| BEREE1    | POWND   | VHF  | left  | 145 (325)° |          | DME 10.0mi | ICAO rules  |
| BEREE1    | WAITT   | VHF  | left  | 81 (261)°  |          | DME 10.0mi | ICAO rules  |
| BOOVE5    | DARRB   | VHF  | right | 263 (83)°  |          | DME 10.0mi | ICAO rules  |
| BOOVE5    | EGADS   | VHF  | left  | 183 (3)°   |          | DME 10.0mi | ICAO rules  |
| BOOVE5    | GUTZZ   | VHF  | left  | 183 (3)°   |          | DME 10.0mi | ICAO rules  |
| BOOVE5    | KIIL0   | VHF  | left  | 205 (25)°  |          | DME 10.0mi | ICAO rules  |
| BOOVE5    | NNJUH   | VHF  | right | 263 (83)°  |          | DME 10.0mi | ICAO rules  |
| BOOVE5    | SNGGL   | VHF  | right | 262 (82)°  |          | DME 10.0mi | ICAO rules  |
| BRDJE3    | CHMLI   | VHF  | right | 36 (216)°  |          | DME 10.0mi | ICAO rules  |

|        |       |     |       |            |                   |              |            |
|--------|-------|-----|-------|------------|-------------------|--------------|------------|
| BRDJE3 | PROWD | VHF | right | 65 (245)°  |                   | DME 10.0mi   | ICAO rules |
| BRDJE3 | SEEV  | VHF | right | 45 (225)°  |                   | DME 10.0mi   | ICAO rules |
| CABBY2 | PURRS | VHF | left  | 136 (316)° |                   | DME 10.0mi   | ICAO rules |
| CAINE2 | PRIZZ | VHF | left  | 38 (218)°  |                   | DME 10.0mi   | ICAO rules |
| CQY1   | CAPTI | VHF | left  | 73 (253)°  |                   | 1.0min timed | ICAO rules |
| CQY1   | CQY   | NDB | left  | 95 (275)°  | < 60000ft         | 1.0min timed | ICAO rules |
| CQY1   | GGG   | NDB | right | 114 (294)° | < 17999ft         | 1.0min timed | ICAO rules |
| CQY1   | HERRI | VHF | left  | 101 (281)° |                   | 1.0min timed | ICAO rules |
| DAWGZ2 | PRIZZ | VHF | left  | 38 (218)°  |                   | DME 10.0mi   | ICAO rules |
| FINGR7 | BIRLE | VHF | right | 35 (215)°  |                   | 1.5min timed | ICAO rules |
| FINGR7 | BYP   | NDB | right | 45 (225)°  | < 60000ft         | 1.0min timed | ICAO rules |
| FINGR7 | GAATZ | VHF | right | 35 (215)°  |                   | 1.0min timed | ICAO rules |
| FINGR7 | GLOVE | VHF | right | 64 (244)°  | 18000ft - 45000ft | 1.5min timed | ICAO rules |
| FORNY3 | PURRS | VHF | left  | 136 (316)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | BELFR | VHF | left  | 355 (175)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | FAWNT | VHF | right | 360 (180)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | HOFFF | VHF | right | 360 (180)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | JEAR  | VHF | left  | 309 (129)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | KWANA | VHF | left  | 286 (106)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | LAYMN | VHF | left  | 287 (107)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | RBUKL | VHF | right | 360 (180)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | TURKI | VHF | right | 266 (86)°  |                   | 1.5min timed | ICAO rules |
| JOVEM4 | VKTRY | VHF | right | 287 (107)° |                   | DME 10.0mi   | ICAO rules |
| JOVEM4 | ZUBOV | VHF | left  | 297 (117)° |                   | DME 10.0mi   | ICAO rules |
| PAWLZ3 | FRSTI | VHF | right | 207 (27)°  |                   | DME 10.0mi   | ICAO rules |
| PAWLZ3 | SHLLY | VHF | right | 268 (88)°  |                   | DME 10.0mi   | ICAO rules |
| SEEV4  | CHMLI | VHF | right | 36 (216)°  |                   | DME 10.0mi   | ICAO rules |
| SEEV4  | PROWD | VHF | right | 65 (245)°  |                   | DME 10.0mi   | ICAO rules |
| SEEV4  | SEEV  | VHF | right | 45 (225)°  |                   | DME 10.0mi   | ICAO rules |
| SHMPP1 | DARRB | VHF | right | 263 (83)°  |                   | DME 10.0mi   | ICAO rules |
| SHMPP1 | EGADS | VHF | left  | 183 (3)°   |                   | DME 10.0mi   | ICAO rules |
| SHMPP1 | KILO  | VHF | left  | 205 (25)°  |                   | DME 10.0mi   | ICAO rules |
| SHMPP1 | NNJU  | VHF | right | 263 (83)°  |                   | DME 10.0mi   | ICAO rules |
| SHMPP1 | SNGGL | VHF | right | 262 (82)°  |                   | DME 10.0mi   | ICAO rules |
| SOCKK4 | DARRB | VHF | right | 263 (83)°  |                   | DME 10.0mi   | ICAO rules |
| SOCKK4 | EGADS | VHF | left  | 183 (3)°   |                   | DME 10.0mi   | ICAO rules |
| SOCKK4 | GUTZZ | VHF | left  | 183 (3)°   |                   | DME 10.0mi   | ICAO rules |
| SOCKK4 | KILO  | VHF | left  | 205 (25)°  |                   | DME 10.0mi   | ICAO rules |
| SOCKK4 | NNJU  | VHF | right | 263 (83)°  |                   | DME 10.0mi   | ICAO rules |
| SOCKK4 | SNGGL | VHF | right | 262 (82)°  |                   | DME 10.0mi   | ICAO rules |
| TILLA3 | FRSTI | VHF | right | 207 (27)°  |                   | DME 10.0mi   | ICAO rules |
| TILLA3 | SHLLY | VHF | right | 268 (88)°  |                   | DME 10.0mi   | ICAO rules |
| UKW5   | ACKME | VHF | right | 15 (195)°  |                   | 1.0min timed | ICAO rules |
| UKW5   | HEATR | VHF | left  | 299 (119)° |                   | 1.5min timed | ICAO rules |
| UKW5   | KAJAY | VHF | right | 283 (103)° |                   | 1.5min timed | ICAO rules |
| UKW5   | MOOSE | VHF | left  | 15 (195)°  |                   | 1.0min timed | ICAO rules |
| UKW5   | PLEBS | VHF | left  | 283 (103)° |                   | 1.0min timed | ICAO rules |

|        |        |     |       |            |                   |              |            |
|--------|--------|-----|-------|------------|-------------------|--------------|------------|
| UKW5   | SPS    | NDB | left  | 348 (168)° |                   | 1.0min timed | ICAO rules |
| UKW5   | TURKI  | VHF | right | 266 (86)°  |                   | 1.5min timed | ICAO rules |
| UKW5   | UKW    | NDB | left  | 283 (103)° |                   | 1.0min timed | ICAO rules |
| UKW5   | ZANTO  | VHF | left  | 283 (103)° |                   | 1.5min timed | ICAO rules |
| VKTRY2 | BELFR  | VHF | left  | 355 (175)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | FAWNT  | VHF | right | 360 (180)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | HOFFF  | VHF | right | 360 (180)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | JEYAR  | VHF | left  | 309 (129)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | KWANA  | VHF | left  | 286 (106)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | LAYMN  | VHF | left  | 287 (107)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | RBUKL  | VHF | right | 360 (180)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | TURKI  | VHF | right | 266 (86)°  |                   | 1.5min timed | ICAO rules |
| VKTRY2 | VKTRY  | VHF | right | 287 (107)° |                   | DME 10.0mi   | ICAO rules |
| VKTRY2 | ZUBOV  | VHF | left  | 297 (117)° |                   | DME 10.0mi   | ICAO rules |
| WHINY4 | BEREE  | VHF | left  | 144 (324)° |                   | DME 10.0mi   | ICAO rules |
| WHINY4 | CLEWS  | VHF | left  | 103 (283)° |                   | DME 10.0mi   | ICAO rules |
| WHINY4 | OUTLN  | VHF | left  | 88 (268)°  |                   | DME 10.0mi   | ICAO rules |
| WHINY4 | POPSY  | VHF | right | 102 (282)° |                   | DME 10.0mi   | ICAO rules |
| WHINY4 | POWND  | VHF | left  | 145 (325)° |                   | DME 10.0mi   | ICAO rules |
| WHINY4 | WAITT  | VHF | left  | 81 (261)°  |                   | DME 10.0mi   | ICAO rules |
| WILBR6 | BIRLE  | VHF | right | 35 (215)°  |                   | 1.5min timed | ICAO rules |
| WILBR6 | GAATZ  | VHF | right | 35 (215)°  |                   | 1.0min timed | ICAO rules |
| WILBR6 | GLOVE  | VHF | right | 64 (244)°  | 18000ft - 45000ft | 1.5min timed | ICAO rules |
| WILBR6 | ROBEY  | VHF | left  | 64 (244)°  |                   | 1.0min timed | ICAO rules |
| YEAGR4 | CAPTI  | VHF | left  | 73 (253)°  |                   | 1.0min timed | ICAO rules |
| YEAGR4 | CQY    | NDB | left  | 95 (275)°  | < 60000ft         | 1.0min timed | ICAO rules |
| YEAGR4 | GGG    | NDB | right | 114 (294)° | < 17999ft         | 1.0min timed | ICAO rules |
| YEAGR4 | HERRI  | VHF | left  | 101 (281)° |                   | 1.0min timed | ICAO rules |
| YEAGR4 | WEIRS  | VHF | left  | 128 (308)° | < 17999ft         | 1.0min timed | ICAO rules |
| ZROBA1 | DARRB  | VHF | right | 263 (83)°  |                   | DME 10.0mi   | ICAO rules |
| ZROBA1 | EGADS  | VHF | left  | 183 (3)°   |                   | DME 10.0mi   | ICAO rules |
| ZROBA1 | KIILLO | VHF | left  | 205 (25)°  |                   | DME 10.0mi   | ICAO rules |
| ZROBA1 | NNJUH  | VHF | right | 263 (83)°  |                   | DME 10.0mi   | ICAO rules |
| ZROBA1 | SNGGL  | VHF | right | 262 (82)°  |                   | DME 10.0mi   | ICAO rules |

\*) magnetic outbound (inbound) holding course

## Disclaimer

The information on this website is not for real aviation. Use this data with the X-Plane flight simulator only! Data taken with kind consent from X-Plane source code and data files. Content is subject to change without notice.

## To be used with X-Plane simulation only