

# UNBB - Barnaul

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## Airport details

|             |                    |
|-------------|--------------------|
| State       | Altai Krai         |
| Country     | Russian Federation |
| Region      | UN                 |
| Elevation   | 834ft (254m)       |
| Timezone    | GMT +7             |
| Coordinates | 53.36134, 83.55915 |
| Type        | land               |
| ICAO code   | UNBB               |
| IATA code   | BAX                |
| FAA code    | n/a                |

## Runway info

|                        |                           |
|------------------------|---------------------------|
| Runway 06 / 24         |                           |
| length                 | 2845m (9334ft)            |
| bearing                | 76° / 256°                |
| width                  | 50m (164ft)               |
| surface                | concrete                  |
| displacement threshold | 348m (1142ft) / 0m (0ft)  |
| blast zone             | 49m (161ft) / 53m (174ft) |

## Communication

|              |         |
|--------------|---------|
| Barnaul ATIS | 129.700 |
| Barnaul ATIS | 129.700 |
| Barnaul ATIS | 129.700 |
| Barnaul ATIS | 129.700 |
| Barnaul TWR  | 123.500 |
| Barnaul GND  | 118.800 |
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| Barnaul TWR  | 123.500 |
| Barnaul GND  | 118.800 |
| Barnaul TWR  | 123.500 |
| Barnaul TWR  | 123.500 |
| Barnaul GND  | 118.800 |

## Approach frequencies

|            |    |       |         |
|------------|----|-------|---------|
| ILS-cat-II | 24 | 108.7 | 18.00mi |
| 2.6° GS    | 24 | 108.7 | 18.00mi |

## Nearby beacons

| code | identifier                | dist | bearing | frequency |
|------|---------------------------|------|---------|-----------|
| A    | MIKHAYLOVKA (BARNAUL) NDB | 0.8  | 54.3°   | 865       |
| BAN  | BARNAUL VOR/DME           | 0.9  | 59.3°   | 111.80    |
| AR   | BARNAUL NDB               | 2.2  | 69.4°   | 428       |
| BU   | BARNAUL NDB               | 3.5  | 259.9°  | 399       |

## Departure and arrival routes

Transition altitude 3133ft

Transition level 5000ft

### SID end points

|  | distance | outbound direction |
|--|----------|--------------------|
|--|----------|--------------------|

#### RW06

|                        |      |      |
|------------------------|------|------|
| NEPK1C, NEPK1A         | 44.9 | 31°  |
| RISE1E, RISE1C, RISE1A | 34.5 | 81°  |
| INBO1E, INBO1C, INBO1A | 26.3 | 97°  |
| MITB1A, MITB1C, MITB1E | 13.6 | 241° |
| AMRA1A, AMRA1C, AMRA1E | 20.4 | 264° |
| ERKO1A, ERKO1C         | 46.5 | 319° |
| TUMK1A, TUMK1C, TUMK1E | 26.3 | 357° |

#### RW24

|                        |      |      |
|------------------------|------|------|
| NEPK1B, NEPK1D         | 44.9 | 31°  |
| RISE1D, RISE1F, RISE1B | 34.5 | 81°  |
| INBO1B, INBO1F, INBO1D | 26.3 | 97°  |
| MITB1D, MITB1B, MITB1F | 13.6 | 241° |
| AMRA1B, AMRA1F, AMRA1D | 20.4 | 264° |
| ERKO1D, ERKO1B         | 46.5 | 319° |
| TUMK1B, TUMK1D, TUMK1F | 26.3 | 357° |

### STAR starting points

|  | distance | inbound direction |
|--|----------|-------------------|
|--|----------|-------------------|

#### ALL

|        |      |      |
|--------|------|------|
| AMRA1T | 20.4 | 84°  |
| ERKO1T | 46.5 | 139° |
| TUMK1T | 26.3 | 177° |
| NEPK1T | 44.9 | 211° |
| RISE1T | 34.5 | 261° |
| INBO1T | 26.3 | 277° |

#### RW06

|                                        |      |      |
|----------------------------------------|------|------|
| AMRA1U, AMRA1P, AMRA1L, AMRA1J, AMRA1G | 20.4 | 84°  |
| ERKO1G, ERKO1J, ERKO1L, ERKO1P         | 46.5 | 139° |
| TUMK1G, TUMK1P, TUMK1J, TUMK1L, TUMK1U | 26.3 | 177° |
| NEPK1L, NEPK1P                         | 44.9 | 211° |
| RISE1J, RISE1L, RISE1G, RISE1U, RISE1P | 34.5 | 261° |
| INBO1L, INBO1P, INBO1U                 | 26.3 | 277° |

#### RW24

|                                        |      |     |
|----------------------------------------|------|-----|
| AMRA1V, AMRA1R, AMRA1M, AMRA1K, AMRA1H | 20.4 | 84° |
|----------------------------------------|------|-----|

|                                                   |      |      |
|---------------------------------------------------|------|------|
| ERKO1H, ERKO1K, ERKO1M, ERKO1R                    | 46.5 | 139° |
| TUMK1H, TUMK1K, TUMK1M, TUMK1R, TUMK1V            | 26.3 | 177° |
| NEPK1R, NEPK1M, NEPK1K, NEPK1H                    | 44.9 | 211° |
| RISE1H, RISE1K, RISE1M, RISE1R, RISE1V            | 34.5 | 261° |
| INBO1K, INBO1M, INBO1R, INBO1V, INBO2H,<br>INBO2S | 26.3 | 277° |

## Holding patterns

| STAR name | hold at | type | turn  | heading*  | altitude            | leg             | speed limit |
|-----------|---------|------|-------|-----------|---------------------|-----------------|-------------|
| AMRA1M    | BAN     | NDB  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| AMRA1P    | BU      | FIX  | left  | 239 (59)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| AMRA1R    | AR      | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| AMRA1T    | A       | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| AMRA1U    | BB003   | VHF  | left  | 240 (60)° | > 2800ft            | 1.0min<br>timed | ICAO rules  |
| ERKO1P    | BU      | FIX  | left  | 239 (59)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| ERKO1R    | AR      | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| ERKO1T    | A       | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| INBO1L    | BAN     | NDB  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| INBO1M    | BAN     | NDB  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| INBO1P    | BU      | FIX  | left  | 239 (59)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| INBO1R    | AR      | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| INBO1T    | A       | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| NEPK1P    | BU      | FIX  | left  | 239 (59)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| NEPK1R    | AR      | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| NEPK1T    | A       | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| RISE1L    | BAN     | NDB  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| RISE1P    | BU      | FIX  | left  | 239 (59)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| RISE1R    | AR      | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |
| RISE1T    | A       | FIX  | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules  |

|        |       |     |       |           |                     |                 |            |
|--------|-------|-----|-------|-----------|---------------------|-----------------|------------|
| RISE1V | BB009 | VHF | right | 60 (240)° | > 2790ft            | 1.0min<br>timed | ICAO rules |
| TUMK1P | BU    | FIX | left  | 239 (59)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules |
| TUMK1R | AR    | FIX | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules |
| TUMK1T | A     | FIX | right | 59 (239)° | 5000ft -<br>19000ft | 1.0min<br>timed | ICAO rules |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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