

# KHOU - Houston - William P Hobby

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## Airport details

|             |                          |
|-------------|--------------------------|
| State       | Texas                    |
| Country     | United States of America |
| Region      | K4                       |
| Elevation   | 42ft (13m)               |
| Timezone    | GMT -6                   |
| Coordinates | 29.64542, -95.27889      |
| Type        | land                     |
| ICAO code   | KHOU                     |
| IATA code   | HOU                      |
| FAA code    | HOU                      |

## Runway info

|                        |                           |
|------------------------|---------------------------|
| Runway 4 / 22          |                           |
| length                 | 2319m (7608ft)            |
| bearing                | 48° / 228°                |
| width                  | 46m (151ft)               |
| surface                | concrete                  |
| blast zone             | 60m (197ft) / 60m (197ft) |
| Runway 13R / 31L       |                           |
| length                 | 2319m (7608ft)            |
| bearing                | 130° / 310°               |
| width                  | 46m (151ft)               |
| surface                | asphalt                   |
| displacement threshold | 315m (1033ft) / 0m (0ft)  |
| blast zone             | 45m (148ft) / 45m (148ft) |
| Runway 17 / 35         |                           |
| length                 | 1835m (6020ft)            |
| bearing                | 179° / 359°               |
| width                  | 46m (151ft)               |
| surface                | asphalt                   |
| blast zone             | 60m (197ft) / 60m (197ft) |
| Runway 13L / 31R       |                           |
| length                 | 1571m (5154ft)            |
| bearing                | 130° / 310°               |
| width                  | 30m (98ft)                |
| surface                | concrete                  |
| blast zone             | 45m (148ft) / 45m (148ft) |

## Communication

|                      |         |
|----------------------|---------|
| William P Hobby ATIS | 124.600 |
| William P Hobby ATIS | 124.600 |

|                             |         |
|-----------------------------|---------|
| William P Hobby ATIS        | 124.600 |
| William P Hobby ATIS        | 124.600 |
| William P Hobby UNICOM      | 122.950 |
| William P Hobby UNICOM      | 122.950 |
| William P Hobby UNICOM      | 122.950 |
| William P Hobby UNICOM      | 122.950 |
| William P Hobby CLNC DEL    | 125.450 |
| William P Hobby CLNC DEL    | 125.450 |
| William P Hobby CLNC DEL    | 125.450 |
| William P Hobby CLNC DEL    | 125.450 |
| William P Hobby GND         | 121.900 |
| William P Hobby GND         | 121.900 |
| William P Hobby GND         | 121.900 |
| William P Hobby GND         | 121.900 |
| William P Hobby HOBBY TWR   | 118.700 |
| William P Hobby HOBBY TWR   | 118.700 |
| William P Hobby HOBBY TWR   | 118.700 |
| William P Hobby HOBBY TWR   | 118.700 |
| William P Hobby HOUSTON APP | 134.450 |
| William P Hobby HOUSTON APP | 120.050 |
| William P Hobby HOUSTON APP | 134.450 |
| William P Hobby HOUSTON APP | 120.050 |
| William P Hobby HOUSTON APP | 124.350 |
| William P Hobby HOUSTON APP | 124.350 |
| William P Hobby HOUSTON APP | 124.350 |
| William P Hobby HOUSTON APP | 120.050 |
| William P Hobby HOUSTON APP | 134.450 |
| William P Hobby HOUSTON APP | 134.450 |
| William P Hobby HOUSTON APP | 124.350 |
| William P Hobby HOUSTON APP | 120.050 |
| William P Hobby HOUSTON DEP | 119.700 |
| William P Hobby HOUSTON DEP | 119.700 |
| William P Hobby HOUSTON DEP | 123.800 |
| William P Hobby HOUSTON DEP | 123.800 |
| William P Hobby HOUSTON DEP | 134.450 |
| William P Hobby HOUSTON DEP | 134.450 |
| William P Hobby HOUSTON DEP | 123.800 |
| William P Hobby HOUSTON DEP | 119.700 |
| William P Hobby HOUSTON DEP | 119.700 |
| William P Hobby HOUSTON DEP | 123.800 |
| William P Hobby HOUSTON DEP | 134.450 |
| William P Hobby HOUSTON DEP | 134.450 |

## Approach frequencies

|             |     |       |         |
|-------------|-----|-------|---------|
| LOC         | 22  | 109.9 | 18.00mi |
| ILS-cat-III | 04  | 109.9 | 18.00mi |
| ILS-cat-I   | 13R | 111.3 | 18.00mi |

|           |     |       |         |
|-----------|-----|-------|---------|
| ILS-cat-I | 31L | 111.3 | 18.00mi |
| 3° GS     | 04  | 109.9 | 18.00mi |
| 3° GS     | 13R | 111.3 | 18.00mi |
| 3° GS     | 31L | 111.3 | 18.00mi |

## Nearby beacons

| code | identifier                    | dist | bearing | frequency |
|------|-------------------------------|------|---------|-----------|
| EFD  | ELLINGTON (HOUSTON) TACAN     | 6.6  | 108.3°  | 109.40    |
| IAH  | HUMBLE (HOUSTON) VORTAC       | 19   | 347.8°  | 116.60    |
| BVP  | NIXIN (HOUSTON) NDB           | 21.1 | 10.4°   | 326       |
| MHF  | TRINITY (SMITH POINT) VOR/DME | 28.3 | 100.5°  | 113.60    |
| VUH  | SCHOLES (GALVESTON) VOR/DME   | 31.1 | 132.4°  | 113       |
| DAS  | DAISETTA VORTAC               | 46.4 | 49.3°   | 116.90    |
| CX   | ALIBI (HOUSTON) NDB           | 48.3 | 345.9°  | 281       |
| TNV  | NAVASOTA VOR/DME              | 55.9 | 309.5°  | 115.90    |

## Departure and arrival routes

|                     |         |
|---------------------|---------|
| Transition altitude | 18000ft |
| Transition level    | 18000ft |

| SID end points | distance | outbound direction |
|----------------|----------|--------------------|
| ALL            |          |                    |
| GIFFA1         | 104.2    | 1°                 |
| ELD1           | 252.7    | 35°                |
| AEX3           | 278.2    | 72°                |
| IDU1           | 254.1    | 242°               |
| PSX2           | 166.1    | 270°               |
| LOA4           | 217.8    | 330°               |
| CRIED1         | 160.0    | 340°               |
| RW04           |          |                    |
| INDIE8         | 222.4    | 29°                |
| LURIC8         | 218.2    | 41°                |
| STRYA8         | 228.3    | 67°                |
| ELOCO5         | 151.6    | 90°                |
| HOODO7         | 92.8     | 112°               |
| PEECE5         | 107.2    | 142°               |
| PTRON7         | 139.9    | 228°               |
| RETYR6         | 68.1     | 277°               |
| STYCK8         | 160.0    | 340°               |
| BLTWY7         | 104.5    | 347°               |
| WYLSN8         | 113.3    | 351°               |
| RW13 (ALL)     |          |                    |
| INDIE8         | 222.4    | 29°                |
| LURIC8         | 218.2    | 41°                |
| STRYA8         | 228.3    | 67°                |
| ELOCO5         | 151.6    | 90°                |

|  |        |       |      |
|--|--------|-------|------|
|  | HOODO7 | 92.8  | 112° |
|  | PEECE5 | 107.2 | 142° |
|  | PTRON7 | 139.9 | 228° |
|  | RETYR6 | 68.1  | 277° |
|  | STYCK8 | 160.0 | 340° |
|  | BLTWY7 | 104.5 | 347° |
|  | WYLSN8 | 113.3 | 351° |

RW22

|        |       |      |
|--------|-------|------|
| INDIE8 | 222.4 | 29°  |
| LURIC8 | 218.2 | 41°  |
| STRYA8 | 228.3 | 67°  |
| ELOCO5 | 151.6 | 90°  |
| HOODO7 | 92.8  | 112° |
| PEECE5 | 107.2 | 142° |
| PTRON7 | 139.9 | 228° |
| RETYR6 | 68.1  | 277° |
| STYCK8 | 160.0 | 340° |
| BLTWY7 | 104.5 | 347° |
| WYLSN8 | 113.3 | 351° |

RW31 (ALL)

|        |       |      |
|--------|-------|------|
| INDIE8 | 222.4 | 29°  |
| LURIC8 | 218.2 | 41°  |
| STRYA8 | 228.3 | 67°  |
| ELOCO5 | 151.6 | 90°  |
| HOODO7 | 92.8  | 112° |
| PEECE5 | 107.2 | 142° |
| PTRON7 | 139.9 | 228° |
| RETYR6 | 68.1  | 277° |
| STYCK8 | 160.0 | 340° |
| BLTWY7 | 104.5 | 347° |
| WYLSN8 | 113.3 | 351° |

## STAR starting points

ALL

|        |      |      |
|--------|------|------|
| TSHRT1 | 46.5 | 68°  |
| SNIFY1 | 59.8 | 122° |
| BLUBL4 | 66.3 | 123° |
| OHIO4  | 31.2 | 202° |
| HUDZY4 | 36.8 | 226° |

RW04

|        |      |      |
|--------|------|------|
| BELLR4 | 33.0 | 74°  |
| KIDDZ4 | 31.4 | 91°  |
| WAPPL6 | 13.5 | 200° |
| CESAN4 | 45.4 | 259° |
| BAYYY4 | 35.2 | 291° |
| TKNIQ3 | 35.7 | 295° |

RW13 (ALL)

|        |      |     |
|--------|------|-----|
| BELLR4 | 33.0 | 74° |
|--------|------|-----|

|            |        |      |      |
|------------|--------|------|------|
| RW22       | KIDDZ4 | 31.4 | 91°  |
|            | WAPPL6 | 13.5 | 200° |
|            | CESAN4 | 45.4 | 259° |
|            | BAYYY4 | 35.2 | 291° |
|            | TKNIQ3 | 35.7 | 295° |
| RW31 (ALL) | BELLR4 | 33.0 | 74°  |
|            | KIDDZ4 | 31.4 | 91°  |
|            | WAPPL6 | 13.5 | 200° |
|            | CESAN4 | 45.4 | 259° |
|            | PUCKS4 | 35.2 | 291° |
|            | TKNIQ3 | 35.7 | 295° |

## Holding patterns

| STAR name | hold at | type | turn  | heading*   | altitude             | leg          | speed limit |
|-----------|---------|------|-------|------------|----------------------|--------------|-------------|
| BAYYY4    | GEEAR   | VHF  | left  | 92 (272)°  | 18000ft -<br>45000ft | DME 10.0mi   | ICAO rules  |
| BAYYY4    | KCEEE   | VHF  | left  | 88 (268)°  |                      | DME 10.0mi   | ICAO rules  |
| BAYYY4    | LEV     | NDB  | left  | 103 (283)° |                      | DME 10.0mi   | ICAO rules  |
| BAYYY4    | SHLLL   | VHF  | left  | 133 (313)° |                      | DME 10.0mi   | ICAO rules  |
| BELLR4    | ALIEF   | VHF  | right | 209 (29)°  |                      | DME 10.0mi   | ICAO rules  |
| BELLR4    | AMMMO   | VHF  | right | 203 (23)°  |                      | DME 10.0mi   | ICAO rules  |
| BELLR4    | BELLR   | VHF  | right | 206 (26)°  |                      | DME 10.0mi   | ICAO rules  |
| BLUBL4    | ELLVR   | VHF  | right | 351 (171)° |                      | 1.5min timed | ICAO rules  |
| HUDZY4    | BRWCK   | VHF  | left  | 55 (235)°  | 18000ft -<br>45000ft | DME 20.0mi   | ICAO rules  |
| HUDZY4    | WAPPL   | VHF  | left  | 55 (235)°  |                      | DME 10.0mi   | ICAO rules  |
| KIDDZ4    | CAASE   | VHF  | right | 332 (152)° |                      | DME 10.0mi   | ICAO rules  |
| KIDDZ4    | JAAES   | VHF  | left  | 285 (105)° |                      | DME 10.0mi   | ICAO rules  |
| OHIO4     | LYMBO   | VHF  | right | 71 (251)°  |                      | DME 20.0mi   | ICAO rules  |
| OHIO4     | ZEEKK   | VHF  | right | 46 (226)°  |                      | DME 10.0mi   | ICAO rules  |
| PUCKS4    | GEEAR   | VHF  | left  | 92 (272)°  |                      | DME 10.0mi   | ICAO rules  |
| PUCKS4    | KCEEE   | VHF  | left  | 88 (268)°  |                      | DME 10.0mi   | ICAO rules  |
| PUCKS4    | LEV     | NDB  | left  | 103 (283)° |                      | DME 10.0mi   | ICAO rules  |
| PUCKS4    | SHLLL   | VHF  | left  | 133 (313)° |                      | DME 10.0mi   | ICAO rules  |
| SNIFY1    | ELLVR   | VHF  | right | 351 (171)° |                      | 1.5min timed | ICAO rules  |
| TKNIQ3    | TKNIQ   | VHF  | left  | 91 (271)°  |                      | DME 10.0mi   | ICAO rules  |
| TSHRT1    | ALIEF   | VHF  | right | 209 (29)°  |                      | DME 10.0mi   | ICAO rules  |
| TSHRT1    | HYDRL   | VHF  | right | 209 (29)°  |                      | DME 10.0mi   | ICAO rules  |
| WAPPL6    | BRWCK   | VHF  | left  | 55 (235)°  |                      | DME 20.0mi   | ICAO rules  |

WAPPL6      WAPPL      VHF      left      55 (235)°

DME 10.0mi

ICAO rules

\*) magnetic outbound (inbound) holding course

## Disclaimer

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