

# KSAT - San Antonio - San Antonio Intl

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## Airport details

|             |                          |
|-------------|--------------------------|
| State       | Texas                    |
| Country     | United States of America |
| Region      | K4                       |
| Elevation   | 809ft (247m)             |
| Timezone    | GMT -6                   |
| Coordinates | 29.53396, -98.46906      |
| Type        | land                     |
| ICAO code   | KSAT                     |
| IATA code   | SAT                      |
| FAA code    | SAT                      |

## Runway info

|                  |                            |
|------------------|----------------------------|
| Runway 13L / 31R |                            |
| length           | 1685m (5528ft)             |
| bearing          | 128° / 308°                |
| width            | 30m (100ft)                |
| surface          | asphalt                    |
| blast zone       | 46m (151ft) / 0m (0ft)     |
| Runway 13R / 31L |                            |
| length           | 2593m (8507ft)             |
| bearing          | 128° / 308°                |
| width            | 46m (150ft)                |
| surface          | concrete                   |
| blast zone       | 61m (200ft) / 61m (200ft)  |
| Runway 4 / 22    |                            |
| length           | 2595m (8514ft)             |
| bearing          | 45° / 225°                 |
| width            | 46m (150ft)                |
| surface          | concrete                   |
| blast zone       | 61m (200ft) / 122m (400ft) |

## Communication

|                           |         |
|---------------------------|---------|
| San Antonio Intl ATIS     | 118.900 |
| San Antonio Intl ATIS     | 118.900 |
| San Antonio Intl ATIS     | 118.900 |
| San Antonio Intl ATIS     | 118.900 |
| San Antonio Intl UNICOM   | 122.950 |
| San Antonio Intl UNICOM   | 122.950 |
| San Antonio Intl UNICOM   | 122.950 |
| San Antonio Intl UNICOM   | 122.950 |
| San Antonio Intl CLNC DEL | 126.700 |

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|---------------------------|---------|
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| San Antonio Intl GND      | 121.900 |
| San Antonio Intl GND      | 121.900 |
| San Antonio Intl GND      | 121.900 |
| San Antonio Intl GND      | 121.900 |
| San Antonio Intl TWR      | 119.800 |
| San Antonio Intl TWR      | 119.800 |
| San Antonio Intl TWR      | 119.800 |
| San Antonio Intl TWR      | 119.800 |
| San Antonio Intl APP/DEP  | 118.050 |
| San Antonio Intl APP/DEP  | 118.050 |
| San Antonio Intl APP/DEP  | 118.050 |
| San Antonio Intl APP/DEP  | 118.050 |
| San Antonio Intl APP/DEP  | 127.100 |
| San Antonio Intl APP/DEP  | 127.100 |
| San Antonio Intl APP/DEP  | 125.100 |
| San Antonio Intl APP/DEP  | 125.100 |
| San Antonio Intl APP/DEP  | 125.100 |
| San Antonio Intl APP/DEP  | 127.100 |
| San Antonio Intl APP/DEP  | 127.100 |
| San Antonio Intl APP/DEP  | 125.100 |

## Approach frequencies

|            |     |       |         |
|------------|-----|-------|---------|
| ILS-cat-II | 13R | 110.9 | 18.00mi |
| ILS-cat-I  | 31L | 110.9 | 18.00mi |
| ILS-cat-I  | 04  | 109.7 | 18.00mi |
| 3° GS      | 13R | 110.9 | 18.00mi |
| 3° GS      | 31L | 110.9 | 18.00mi |
| 3° GS      | 04  | 109.7 | 18.00mi |

## Nearby beacons

| code | identifier                      | dist | bearing | frequency |
|------|---------------------------------|------|---------|-----------|
| SAT  | SAN ANTONIO VORTAC              | 6.6  | 4°      | 116.80    |
| AN   | ALAMO (SAN ANTONIO) NDB         | 6.8  | 306.2°  | 368       |
| RND  | RANDOLPH VORTAC                 | 9.6  | 94.5°   | 112.30    |
| KSY  | KELLY (SAN ANTONIO) TACAN       | 10.3 | 218.1°  | 112       |
| DHK  | RANDOLPH TACAN                  | 10.5 | 89.1°   | 109.90    |
| SSF  | STINSON (SAN ANTONIO) VOR       | 16.6 | 174.6°  | 108.40    |
| HHH  | DEVINE NDB                      | 34.2 | 229.9°  | 359       |
| RU   | GARYS (AUSTIN) NDB              | 37.2 | 50.7°   | 272       |
| STV  | STONEWALL VORTAC                | 42.2 | 340.6°  | 113.80    |
| CSI  | CENTER POINT (KERRVILLE) VORTAC | 45.3 | 297.5°  | 117.50    |
| CWK  | CENTEX VORTAC                   | 70.4 | 48°     | 112.80    |

## Departure and arrival routes

Transition altitude 18000ft  
Transition level 18000ft

| SID end points | distance | outbound direction |
|----------------|----------|--------------------|
| ALL            |          |                    |
| ALAMO3         | 121.1    | 8°                 |
| THX4           | 111.7    | 148°               |
| BOWIE7, MILET4 | 133.1    | 205°               |
| LEJON4         | 48.6     | 312°               |

| STAR starting points | distance | inbound direction |
|----------------------|----------|-------------------|
| ALL                  |          |                   |
| LEMIG1               | 33.4     | 3°                |
| CSI2                 | 45.3     | 118°              |
| STV1                 | 42.2     | 161°              |
| RW04                 |          |                   |
| BRAUN3               | 26.9     | 236°              |
| RW13 (ALL)           |          |                   |
| BRAUN3               | 26.9     | 236°              |
| RW22                 |          |                   |
| BRAUN3               | 26.9     | 236°              |
| RW31 (ALL)           |          |                   |
| BRAUN3               | 26.9     | 236°              |

## Holding patterns

| STAR name | hold at | type | turn  | heading*   | altitude  | leg          | speed limit |
|-----------|---------|------|-------|------------|-----------|--------------|-------------|
| CSI2      | CSI     | NDB  | left  | 280 (100)° |           | 1.0min timed | ICAO rules  |
| LEMIG1    | LEMIG   | VHF  | right | 175 (355)° | < 17999ft | 1.0min timed | ICAO rules  |
| MARCS1    | CRAYS   | VHF  | right | 79 (259)°  | < 17999ft | 1.0min timed | ICAO rules  |

\*) magnetic outbound (inbound) holding course

## Disclaimer

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## To be used with X-Plane simulation only