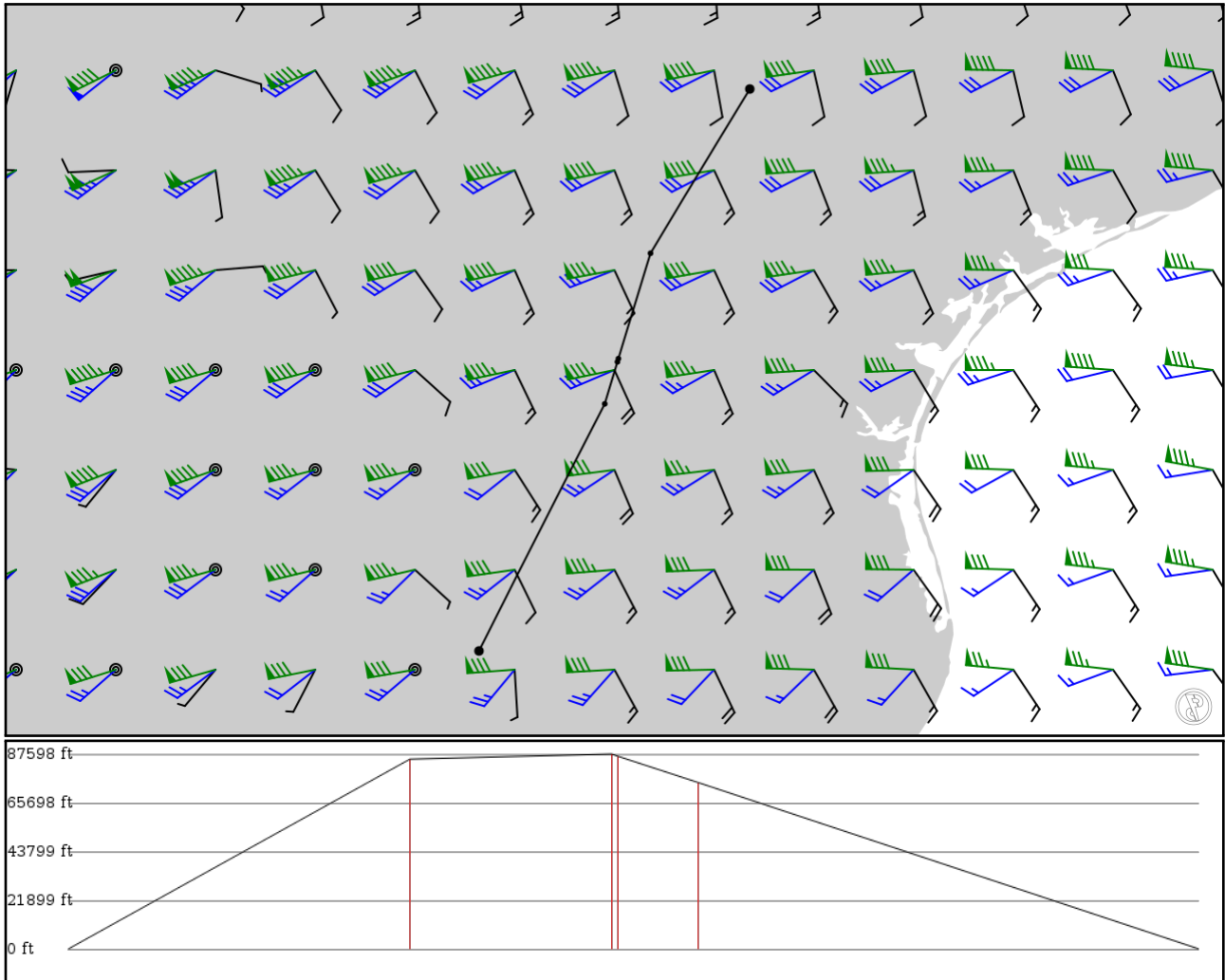


2024/06/04 1755Z

KSAT COT V17 LRD MMAN

240.45 nm / 445.32 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 Type | Via | Lat Lon | Alt | Dist (nm) | Name |
|---------------|---------------|------------------------|----------------------|--------------|------------------|
| KSAT APT | - | 29.53410 -98.46930 | 0 ft 0 m | - | San Antonio Intl |
| COT VOR | - | 28.46200 -99.11850 | 26,000 ft 7,925 m | 72 | COTULLA |
| KAHAN FIX | V17 AWY-LO | 27.77420 -99.32840 | 26,700 ft 8,138 m | 42 | - |
| IRICI FIX | V17 AWY-LO | 27.75310 -99.33480 | 26,400 ft 8,047 m | 1 | - |
| LRD VOR | V17 AWY-LO | 27.47870 -99.41770 | 22,800 ft 6,949 m | 17 | LAREDO |
| MMAN APT | - | 25.86580 -100.24000 | 0 ft 0 m | 106 | DEL NORTE INTL |

KSAT

Region: UNITED STATES

Timezone: AMERICA/CHICAGO

Runways: 3

Elevation: 809 ft / 247 m

Location: 29.534100 -98.469300

Magnetic Var: 3.522 E

METAR

KSAT 041654Z 16011KT 7SM BKN030 BKN250 33/24 A2971 RMK AO2

TAF

TAF AMD KSAT 041500Z 0415/0518 17012KT P6SM OVC024 FM041600 17012KT P6SM SCT025 FM042300 14016G24KT P6SM SCT040 FM050000 14016G24KT P6SM SCT040

Frequencies

REC - 118.90 MHz - SAN ANTONIO ATIS

GND - 121.90 MHz - SAN ANTONIO GROUND

APP - 124.45 MHz - SAN ANTONIO APPROACH

APP - 118.05 MHz - SAN ANTONIO APPROACH

DEP - 124.45 MHz - SAN ANTONIO DEPARTURE

DEP - 118.05 MHz - SAN ANTONIO DEPARTURE

COM - 122.95 MHz - SAN ANTONIO UNICOM

TWR - 119.80 MHz - SAN ANTONIO TOWER

APP - 128.05 MHz - SAN ANTONIO APPROACH

APP - 125.10 MHz - SAN ANTONIO APPROACH

DEP - 128.05 MHz - SAN ANTONIO DEPARTURE

DEP - 125.10 MHz - SAN ANTONIO DEPARTURE

Runways

| Ident | Width | Length | Bearing (true) (mag) | Surface | Threshold Offset | Overrun Length |
|-------|--------|----------|-------------------------|----------|---------------------|-------------------|
| 04 | 150 ft | 8,516 ft | 40.63 | CONCRETE | 0 ft | 200 ft |
| | 46 m | 2,596 m | 37.10 | | 0 m | 61 m |
| 22 | 150 ft | 8,516 ft | 220.63 | CONCRETE | 0 ft | 400 ft |
| | 46 m | 2,596 m | 217.11 | | 0 m | 122 m |
| 13R | 150 ft | 8,507 ft | 131.75 | CONCRETE | 0 ft | 210 ft |
| | 46 m | 2,593 m | 128.23 | | 0 m | 64 m |
| 31L | 150 ft | 8,507 ft | 311.76 | CONCRETE | 0 ft | 197 ft |
| | 46 m | 2,593 m | 308.24 | | 0 m | 60 m |
| 13L | 100 ft | 5,519 ft | 131.78 | ASPHALT | 0 ft | 154 ft |
| | 30 m | 1,682 m | 128.26 | | 0 m | 47 m |
| 31R | 100 ft | 5,519 ft | 311.79 | ASPHALT | 0 ft | 0 ft |
| | 30 m | 1,682 m | 308.26 | | 0 m | 0 m |

Approach Nav aids

| Runway | Type | Ident | Frequency | Range | Bearing (true) (mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 13R | DME | IANT | 110.90 MHz | 18 nm | - | - | 791 ft |
| | | | | 33 km | - | | 791 m |
| 31L | DME | IIZR | 110.90 MHz | 18 nm | - | - | 809 ft |
| | | | | 33 km | - | | 809 m |
| 04 | LOC-ILS | ISAT | 109.70 MHz | 18 nm | 40.63 | - | 809 ft |
| | | | | 33 km | 37.11 | | 809 m |
| 13R | LOC-ILS | IANT | 110.90 MHz | 18 nm | 131.76 | - | 809 ft |
| | | | | 33 km | 128.24 | | 809 m |
| 31L | LOC-ILS | IIZR | 110.90 MHz | 18 nm | 311.76 | - | 809 ft |
| | | | | 33 km | 308.24 | | 809 m |
| 04 | GS | ISAT | 109.70 MHz | 10 nm | 40.63 | 3.00 | 809 ft |
| | | | | 19 km | 37.11 | | 809 m |
| 13R | GS | IANT | 110.90 MHz | 10 nm | 131.76 | 3.00 | 809 ft |
| | | | | 19 km | 128.24 | | 809 m |
| 31L | GS | IIZR | 110.90 MHz | 10 nm | 311.76 | 3.00 | 809 ft |
| | | | | 19 km | 308.24 | | 809 m |