KSAT
San Antonio Intl

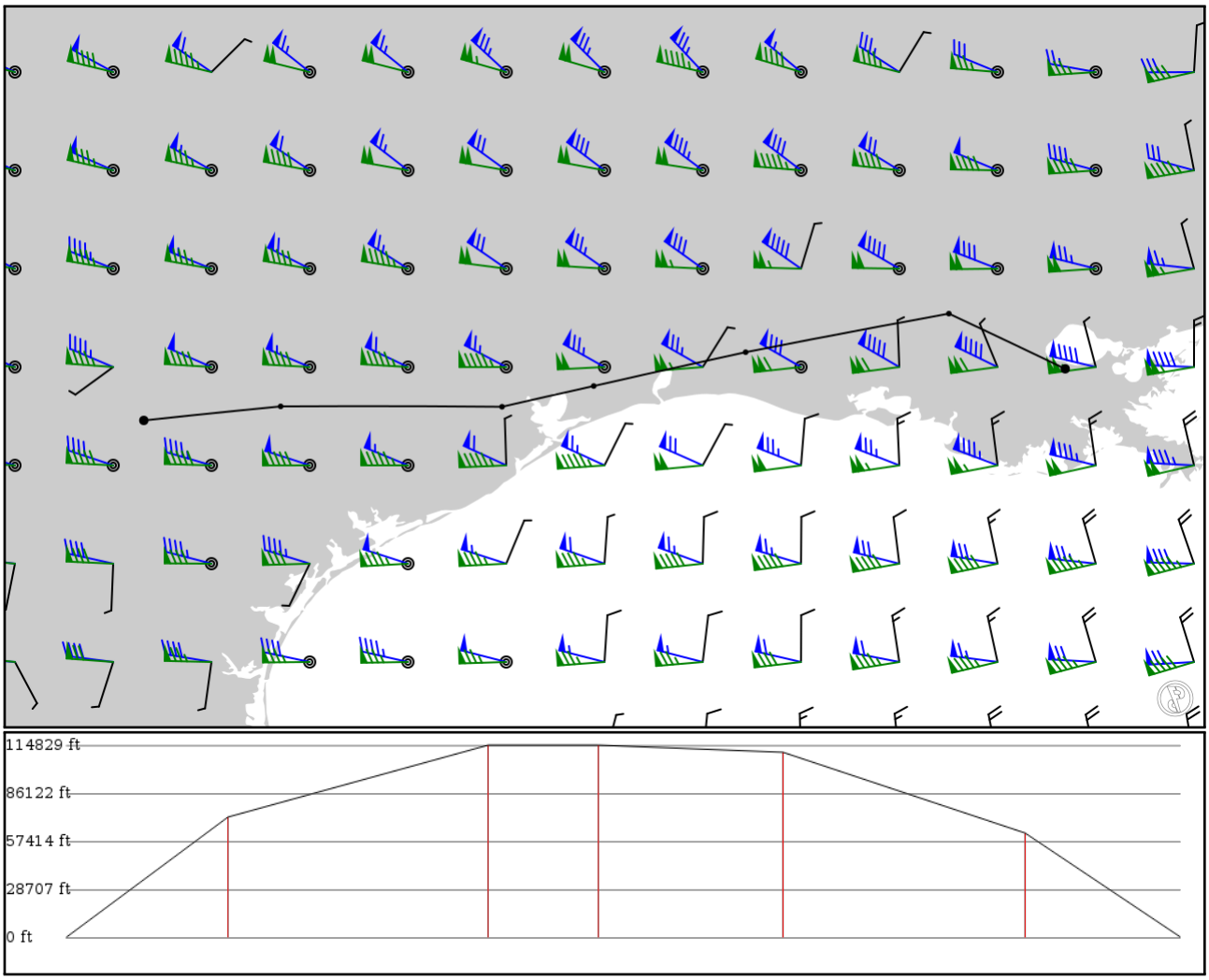
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KMSY
Louis Armstrong New Orleans Intl

2024/03/28 1153Z

KSAT SEEDS **J138** BTR KMSY

441.38 nm / 817.44 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: no
- Use high airways: yes

Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
KSAT APT	– –	29.53376 -98.46965	0 ft 0 m	–	San Antonio Intl
SEEDS FIX	– –	29.65886 -97.24964	21,900 ft 6,675 m	64	–
HUB VOR	J138 AWY-HI	29.65561 -95.27661	35,000 ft 10,668 m	102	HOBBY VOR-DME
WEEVE FIX	J138 AWY-HI	29.84017 -94.45981	35,000 ft 10,668 m	44	–
LCH DME	J138 AWY-HI	30.14151 -93.10557	33,700 ft 10,272 m	72	LAKE CHARLES VORTAC
BTR DME	J138 AWY-HI	30.48513 -91.29406	19,000 ft 5,791 m	96	BATON ROUGE VORTAC
KMSY APT	– –	29.99335 -90.25741	0 ft 0 m	61	Louis Armstrong New Orleans Intl

KSAT

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 3

Elevation: 809 ft / 247 m
Location: 29.534100 -98.469300
Magnetic Var: 3.543 E

METAR

KSAT 281051Z 32004KT 10SM CLR 08/07 A3020 RMK AO2 SLP214 T00780067

TAF

TAF AMD KSAT 280856Z 2809/2912 29004KT P6SM SKC FM281600 16009KT P6SM SKC FM290100 16012KT P6SM FEW250 FM290900 17

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 46 m	8,516 ft 2,596 m	40.63 37.08	CONCRETE	0 ft 0 m	200 ft 61 m
22	150 ft 46 m	8,516 ft 2,596 m	220.63 217.09	CONCRETE	0 ft 0 m	400 ft 122 m
13R	150 ft 46 m	8,507 ft 2,593 m	131.75 128.21	CONCRETE	0 ft 0 m	210 ft 64 m
31L	150 ft 46 m	8,507 ft 2,593 m	311.76 308.22	CONCRETE	0 ft 0 m	197 ft 60 m
13L	100 ft 30 m	5,519 ft 1,682 m	131.78 128.24	ASPHALT	0 ft 0 m	154 ft 47 m
31R	100 ft 30 m	5,519 ft 1,682 m	311.79 308.24	ASPHALT	0 ft 0 m	0 ft 0 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
13R	DME	IANT	110.90 MHz	18 nm 33 km	- -	-	791 ft 791 m
31L	DME	IIZR	110.90 MHz	18 nm 33 km	- -	-	809 ft 809 m
04	LOC-ILS	ISAT	109.70 MHz	18 nm 33 km	40.63 37.09	-	809 ft 809 m
13R	LOC-ILS	IANT	110.90 MHz	18 nm 33 km	131.76 128.22	-	809 ft 809 m
31L	LOC-ILS	IIZR	110.90 MHz	18 nm 33 km	311.76 308.22	-	809 ft 809 m
04	GS	ISAT	109.70 MHz	10 nm 19 km	40.63 37.09	3.00	809 ft 809 m
13R	GS	IANT	110.90 MHz	10 nm 19 km	131.76 128.22	3.00	809 ft 809 m
31L	GS	IIZR	110.90 MHz	10 nm 19 km	311.76 308.22	3.00	809 ft 809 m

KMSY

Region: UNITED STATES
Timezone: AMERICA/CHICAGO
Runways: 2
Elevation: 2 ft / 1 m
Location: 29.993300 -90.257400
Magnetic Var: 1.445 W

METAR

KMSY 281053Z 35008KT 10SM CLR 13/07 A3015 RMK AO2 SLP211 T01280072

TAF

TAF KMSY 280520Z 2806/2912 35006KT P6SM SCT120 FM281200 01010G19KT P6SM SKC FM281900 35009KT P6SM SKC FM290000 320

Frequencies

COM - 122.95 MHz - UNICOM
TWR - 119.50 MHz - NEW ORLEANS TOWER
APP - 133.15 MHz - NEW ORLEANS APPROACH
TWR - 133.15 MHz - NEW ORLEANS DEPARTURE
REC - 127.55 MHz - D-ATIS
GND - 121.90 MHz - NEW ORLEANS GROUND
APP - 125.50 MHz - NEW ORLEANS APPROACH
DEP - 125.50 MHz - NEW ORLEANS DEPARTURE
CLD - 127.20 MHz - CLEARANCE DELIVERY

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
02	151 ft 46 m	7,008 ft 2,136 m	15.41 16.86	CONCRETE	0 ft 0 m	610 ft 186 m
20	151 ft 46 m	7,008 ft 2,136 m	195.41 196.86	CONCRETE	0 ft 0 m	610 ft 186 m
11	151 ft 46 m	10,095 ft 3,077 m	105.55 107.00	CONCRETE	0 ft 0 m	400 ft 122 m
29	151 ft 46 m	10,095 ft 3,077 m	285.57 287.01	CONCRETE	308 ft 94 m	118 ft 36 m

Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
02	DME	IJFI	111.70 MHz	18 nm 33 km	- -	-	4 ft 4 m
11	DME	IMSY	109.90 MHz	18 nm 33 km	- -	-	4 ft 4 m
20	DME	IONW	111.70 MHz	18 nm 33 km	- -	-	10 ft 10 m
29	DME	IHOX	109.90 MHz	18 nm 33 km	- -	-	4 ft 4 m
02	LOC-ILS	IJFI	111.70 MHz	18 nm 33 km	15.41 16.86	-	3 ft 3 m
11	LOC-ILS	IMSY	109.90 MHz	18 nm 33 km	105.56 107.01	-	3 ft 3 m
29	LOC-ILS	IHOX	109.90 MHz	18 nm 33 km	285.56 287.01	-	3 ft 3 m
20	LOC-LOC	IONW	111.70 MHz	18 nm 33 km	195.41 196.86	-	3 ft 3 m
02	GS	IJFI	111.70 MHz	10 nm 19 km	15.41 16.86	3.00	3 ft 3 m
11	GS	IMSY	109.90 MHz	10 nm 19 km	105.56 107.01	2.80	3 ft 3 m
29	GS	IHOX	109.90 MHz	10 nm	285.56	3.00	3 ft

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
				19 km	287.01		3 m