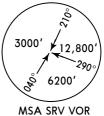
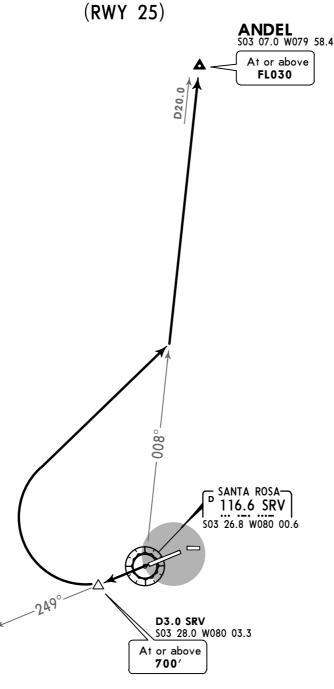


INITIAL CLIMB

After take-off, MAINTAIN runway heading to D5.0 SRV, cross at or above 700', turn LEFT to intercept SRV R-008 to ANDEL, cross at or above FL030, or proceed in accordance with ATC instructions.

ANDEL 1A (ANDEL 1A) DEPARTURE [ANDE1A]





This SID requires take-off minimums: Ceiling 100m, Visibility 1200m; and a minimum climb gradient of 3.6% (219' per NM).

			,			
Gnd speed-KT	75	100	150	200	250	300
3.6% V/V (fpm)	273	365	547	729	911	1094

Altitude at distance from SRV DME.

DME	1	2	3
ALTITUDE	290	510	730

INITIAL CLIMB

After take-off, MAINTAIN runway heading until reaching 700' within D3.0 SRV, turn RIGHT to intercept SRV R-008 to ANDEL, cross at or above FL030, or proceed in accordance with ATC instructions.

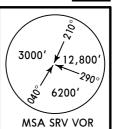
NOT TO SCALE

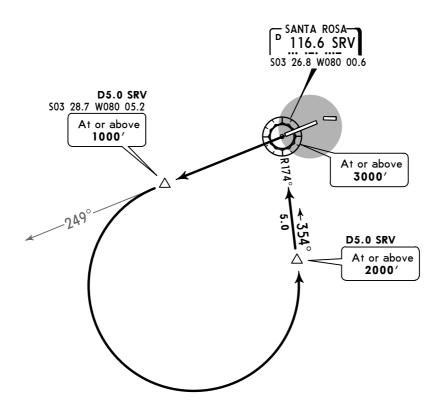
SID

Apt Elev 21'

Trans level: By ATC Trans alt: 3000'

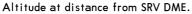
SANTA ROSA 1 VOR (SRV 1) DEPARTURE (RWY 25)





This SID requires take-off minimums: Ceiling 100m, Visibility 1200m. This SID requires a minimum climb gradient of 5.0% (304' per NM) to MEA for aircraft using airways W-4 to LOJ NDB, W-3 to CUV VOR.

<u> </u>						
Gnd speed-KT	75	100	150	200	250	300
5.0% V/V (fpm)	380	506	760	1013	1266	1519



DME	0	1	2	3	4	5
ALTITUDE	70	270	470	670	870	1070



INITIAL CLIMB

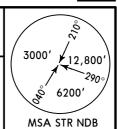
After take-off, MAINTAIN runway heading to D5.0 SRV, cross at or above 1000', turn LEFT course 354° (SRV R-174) to D5.0 SRV, cross at or above 2000', continue climbing to SRV VOR, cross at or above 3000', or proceed in accordance with ATC instructions.

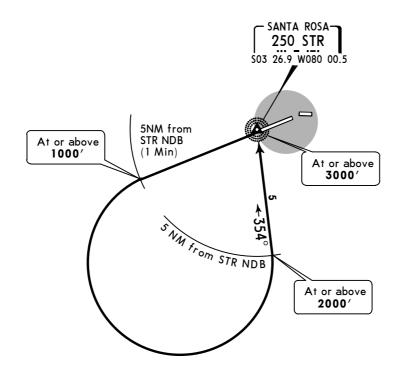


Apt Elev

Trans level: By ATC Trans alt: 3000'

SANTA ROSA 1 NDB (STR 1) DEPARTURE (RWY 25)





This SID requires take-off minimums: Ceiling 100m, Visibility 1200m. This SID requires a minimum climb gradient of 5.0% (304' per NM) to MEA for aircraft using airways W-4 to LOJ NDB, W-3 to CUV VOR.

Gnd speed-KT	75	100	150	200	250	300
5.0% V/V (fpm)	380	506	760	1013	1266	1519



INITIAL CLIMB

After take-off, MAINTAIN runway heading to 5 NM (1 minute) from STR NDB, cross at or above 1000', turn LEFT to course 354° and 5 NM from STR NDB, cross at or above 2000', continue climbing to STR NDB, cross at or above 3000', or proceed in accordance with ATC instructions.

SANTA ROSA, ECUADOR **SERO** Apt Elev **23**′ S03 26.2 W079 59.0 (10-9)SANTA ROSA REGL 29 JUL 16 *SANTA ROSA Tower 122.9 80-00 79-59 Birds in vicinity of airport. Elev 10' ₀₃₋₂₆ 03-26 298<u>6′910m</u> Elev 17' 8104'2470m Control Tower Elev 21' _⊙VOR NDB 03-27 03-27 80-00 79-59 ADDITIONAL RUNWAY INFORMATION
USABLE LENGTHS LANDING BEYOND Threshold TAKE-OFF WIDTH RWY Glide Slope HIRL PAPI-L (angle 3.0°, TCH 19' 07 7109' 2167m 148' HIRL 25 45m 09 59' 27 18m TAKE-OFF All Rwys Eng 150m - 3.0 km 3 & 4 Eng © JEPPESEN, 2010, 2016. ALL RIGHTS RESERVED. CHANGES: Variation, landing beyond gs distance, bearings, communications.

JEPPESEN

MISSED APCH CLIMB GRADIENT ILS or LOC Z Rwy 07 29 JUL 16 SANTA ROSA REGL MIM 3.3% *SANTA ROSA Tower *SANTA ROSA Approach 122.9 119.1 LOC ILS Final GS Apt Elev 23' ISR **D6.0 ISR** Apch Crs DA(H)069° Rwy 21' 111.1 **1900′**(1879′) **250**′(229′) 3000 12,800 MISSED APCH: Climb on heading 069° to 1100', within 5 NM STR NDB, turn LEFT to STR NDB climbing to 3000', join holding 6200' or as instructed by ATC. Alt Set: hPa Rwy Elev: 1 hPa Trans level: By ATC Trans alt: 3000 1. NDB and DME required. 2. Max IAS: 230 Kts. MSA STR NDB 03-25 STR ILS DME -069° 111.1 ISR D6.0 (IAF) SANTA ROSA 250 STR **D8.0** ISR 069 8 NM STR 1000 80-10 80-00 5.0 4.0 2.0 1.0 ISR DME 6.0 3.0 ALTITUDE 1900 1580 1260 940 620 300 NDB 8 NM STR 046° -226° 1 MIN 226 3000 Start 1900' turn at 1 Min 30 Sec D8.0 D6.0 TCH 50' GS 1900 Rwy 21' 2.0 5.2 100 140 Gnd speed-Kts 70 90 120 160 1100' 069° **5 NM** 3.00° 372 478 531 637 743 849 PAPI-L within MAP at D0.8 ISR or STR 5.2 4:27 3:28 3:07 2:36 2:14 1:57 D6.0 ISR to MAP STRAIGHT-IN LANDING RWY 07 CIRCLE-TO-LAND RWY25 Missed Apch climb gradient mim 3.3% LOC (GS out) ILS DA(H) **250'**(229') MDA(H) **340'** (319') MDA(H). 100 В 135 1200m 1400m 630'(607') -2800m C 180 OPS D D NA NA NA PANS CHANGES: Procedure. © JEPPESEN, 2011, 2016. ALL RIGHTS RESERVED.

CAT A, B & C

SERO

SANTA ROSA, ECUADOR

MISSED APCH SANTA ROSA, ECUADOR
CLIMB GRADIENT
MIM 3.3%

ILS or IOC V D **SERO** 29 JUL 16 SANTA ROSA REGL *SANTA ROSA Approach *SANTA ROSA Tower 119.1 122.9 ILS GS LOC Final Apt Elev 23' BRIEFING STRIP DA(H) Apch Crs **D6.0 ISR** ISR 069° 250'(229') Rwy 21' **1900'**(1879') 111.1 3000' Climb on heading 069° (SRV VOR R-069) to 1100', 2,800 MISSED APCH: within D5.0 SRV, turn LEFT to SRV VOR climbing to 3000', 6200' join holding or as instructed by ATC. Rwy Elev: 1 hPa Alt Set: hPa Trans level: By ATC Trans alt: 3000' 1. VOR and DME required. 2. Max IAS: 230 Kts. MSA SRV VOR (IAF) SANTA ROSA 03-25 116.6 SRV 2 ILS DME 069° 111.1 ISR ISR D6.0 (IF) 069 D8.0 D8.0 1000 80-10 80-00 79-50 ISR DME 5.0 4.0 2.0 1.0 6.0 3.0 ALTITUDE 1900' 1580' 1260 940' 620 300' **VOR** 041°- 221° MIN 3000' D8.0 SRV Start 1900' turn at D0.8 1 Min 30 Sec D6.0 TCH 50' GS1900' Rwy 21' Gnd speed-Kts 70 90 100 120 140 160 1100 within D5.0 069° 372 478 531 637 743 849 PAPI-L SRV MAP at D0.8 ISR or hdg 4:27 3:28 3:07 2:36 2:14 1:57 STRAIGHT-IN LANDING RWY 07 CIRCLE-TO-LAND RWY25 Missed Apch climb gradient mim 3.3% LOC (GS out) ILS DA(H) 250'(229') MDA(H) **340'** (319') Max Kts MDA(H). 100 В 135 630'(607') -2800m 1200m 1400m OPS C 180 D NA NA NA © JEPPESEN, 2011, 2016. ALL RIGHTS RESERVED CHANGES: Procedure

JEPPESEN

CAT A, B & C

JEPPESEN MISSED APCH SANTA ROSA, ECUADOR **SERO** CLIMB GRADIENT CAT A, B & C VOR Z RWY 07 29 JUL 16 SANTA ROSA REGL MIM 3.3% *SANTA ROSA Tower *SANTA ROSA Approach 122.9 119.1 VOR DME Minimum Alt VOR Final Apt Elev 23' BRIEFING STRIP MDA(H) SRV Apch Crs **340'**(319') 069° 1900'(1879') 116.6 Rwy 21' 3000' MISSED APCH: Climb on heading 069° (SRV VOR R-069) to 1500', 2,800 within D5.0, climbing LEFT turn to 3000' to SRV VOR holding or 6200' in accordance with ATC instructions. Rwy Elev: 1 hPa Trans level: By ATC Alt Set: hPa Trans alt: 3000' 1. VOR and DME required. 2. Max IAS: 230 Kts. MSA SRV VOR 2 - 03-20 hdg D5.0 **D1.1** [MDØ7] D6.0 069° - SANTA [°]ROSA-=03-30 116.6 SRV D6.0 1000 79-50 80-10 80-00 SRV DME 5.0 4.0 6.0 3.0 2.0 ALTITUDE 1900 940 620' 1580 1260 **VOR** ■ 041°-D6.0 [FDØ7] **D1.1** [MDØ7] 1900'# Start turn at 1 Min 30 Sec **TCH 50'** Rwy 21' 0.2 Gnd speed-Kts 90 100 120 140 70 160 1500° 069° Descent angle 2.98° 369 474 527 633 738 PAPI-L within D5.0 MAP at D1.1 hdg 4.9 4:12 3:16 2:56 2:27 2:06 D6.0 to MAP STRAIGHT-IN LANDING RWY 07 CIRCLE-TO-LAND RWY25 Missed Apch climb gradient mim 3.3% **VOR DME** VOR (DME out) MDA(H) **340'**(319') MDA(H) 430'(409') MDA(H) 100 В 135 630'(607') -2800m 1400m 2000m OPS C 180 NA NA D NA D CHANGES: Procedure. © JEPPESEN, 2010, 2016. ALL RIGHTS RESERVED.

JEPPESEN SANTA ROSA, ECUADOR **SERO** MISSED APCH
CLIMB GRADIENT CAT A, B & CVOR Z Rwy 25 (13-2)SANTA ROSA REGL *SANTA ROSA Approach *SANTA ROSA Tower 119.1 122.9 VOR **VOR DME** Final Minimum Alt Apt Elev 23' SRV D8.0 MDA(H)Apch Crs 249° Rwy 17' 116.6 **2100′**(2083′) **340**′(323′) 3000 2,800 MISSED APCH: Climb on heading 249° (SRV VOR R-249) to 1800', within D5.0, climbing LEFT turn to 3000' to SRV VÓR 6200' holding or in accordance with ATC instructions. Rwy Elev: 1 hPa Alt Set: hPa Trans level: By ATC Trans alt: 3000 1. VOR and DME required. 2. Max IAS: 230 Kts. MSA SRV VOR - 03-20 D8.0 **D8.0** [FF25] D2.5 [MA25] 4489 SANTA ROSA-- 03-30 116.6 SRV 80-10 80-00 SRV DME 6.0 3.0 4.0 5.0 7.0 8.0 ALTITUDE 520 830 1150 1470 1780 2100 221 VOR **D8.0** [FF25] 041° 3000 2100' Start turn at D2.5 2 Min TCH 50' Rwy 17' 5.5 Gnd speed-Kts 90 100 140 70 120 160 1800 249° 2.98° Descent Angle 369 474 527 633 738 843 within D5.0 MAP at D2.5 hdg 5.5 4:43 3:40 3:18 2:45 D8.0 to MAP CIRCLE-TO-LAND RWY 07 STRAIGHT-IN LANDING RWY 25 Missed Apch climb gradient mim 3.3% VOR DME VOR (DME out) MDA(H) **340'**(323') MDA(H) 430'(413') Max MDA(H) 100 В 135 630'(607') -2800m 1500m 2000m OPS С 180 NA NA D NA D

© JEPPESEN, 2010, 2016. ALL RIGHTS RESERVED.

CHANGES: Procedure.

ESEN SANTA ROSA, ECUADOR **SERO** CLIMB GRADIENT MIM 3.3% 29 JUL 16 CAT A, B & C NDB Rwy 07 (16-1 SANTA ROSA REGL *SANTA ROSA Tower *SANTA ROSA Approach 119.1 122.9 NDB Final Apt Elev 23' MDA(H) Apch Crs STR No FAF 430'(409') Rwy 21' 250 076° 3000' MISSED APCH: Climb on heading 076° to 1100', within 5 NM of STR NDB, 12,800 climbing LEFT turn to 3000' to STR NDB holding or in accordance with 6200 ATC instructions. Timing not authorized for defining the MAP. Alt Set: hPa Rwy Elev: 1 hPa Trans level: By ATC Trans alt: 3000 1. Max IAS: 230 Kts. MSA STR NDB 2_ 03-20 6 NM SANTA ROSA 250 STR 6 NM 2000 80-10 80-00 **NDB** 6 NM |046°-> Start 1 MIN [FNØ7] 226° turn at 1 Min 30 Sec 2000' ·076° (6 NM) TCH 50' Rwy 21' 0.1 6.0 Gnd speed-Kts 70 90 100 120 140 160 1100' i 5.2% 2.98° Descent Gradient 843 369 474 527 633 738 PAPI-L within 5 NM or Descent angle hdg MAP at NDB STRAIGHT-IN LANDING RWY 07 CIRCLE-TO-LAND RWY25 Missed Apch climb gradient mim 3.3% MDA(H) 430'(409') MDA(H)_ 100 В 135 630'(607') -2800m 2000m C 180 PANS OPS NA NA D D © JEPPESEN, 2010, 2016. ALL RIGHTS RESERVED. CHANGES: Procedure.

EPPESEN