

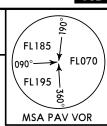
SID

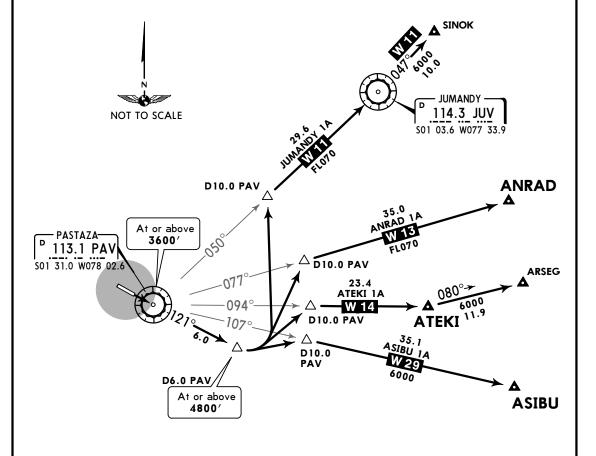
Apt Elev **3464** 

Trans level: By ATC Trans alt: 6000'

# ANRAD 1A [ANRA1A], ASIBU 1A [ASIB1A] ATEKI 1A [ATEK1A] JUMANDY 1A (JUV 1A) [JUV1A] DEPARTURES

(RWY 12)





These SIDs require take-off minimums: Ceiling 200m, Visibility 2700m.

Altitude at distance from PAV VOR/DME

PAV DME	0	1	2	3	4	5	6
ALTITUDE	3600	3800	4000	4200	4400	4600	4800

#### **INITIAL CLIMB**

After take-off proceed direct to PAV VOR and cross at or above 3600', continue climbing on course  $121^\circ$  (PAV R-121) to D6.0 PAV, cross at or above 4800'.

SID	ROUTING
ANRAD 1A	At D6.0 PAV, turn LEFT to intercept PAV R-077 (course 077°) at D10.0 PAV, airway W-13 to ANRAD. Or proceed according to ATC instructions.
ASIBU 1A	At D6.0 PAV, turn LEFT to intercept PAV R-107 (course 107°) at D10.0 PAV, airway W-29 to ASIBU. Or proceed according to ATC instructions.
ATEKI 1A	At D6.0 PAV, turn LEFT to intercept PAV R-094 (course 094°) at D10.0 PAV, airway W-14 to ATEKI. Or proceed according to ATC instructions.
JUMANDY 1A	At D6.0 PAV, turn LEFT to intercept PAV R-050 (course 050°) at D10.0 PAV, airway W-11 to JUV VOR. Or proceed according to ATC instructions.

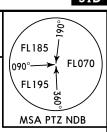
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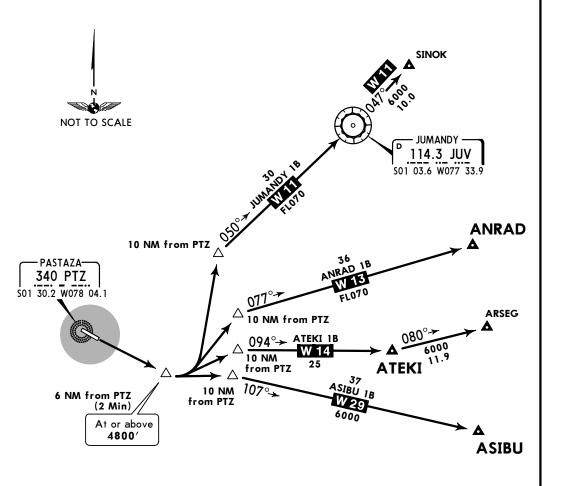
Apt Elev **3464** 

Trans level: By ATC Trans alt: 6000'

# ANRAD 1B [ANRA1B], ASIBU 1B [ASIB1B] ATEKI 1B [ATEK1B] JUMANDY 1B (JUV 1B) [JUV1B] DEPARTURES

(RWY 12)



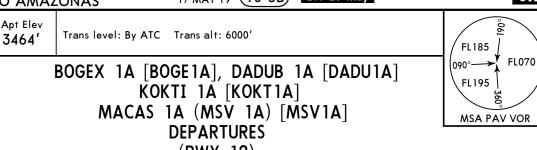


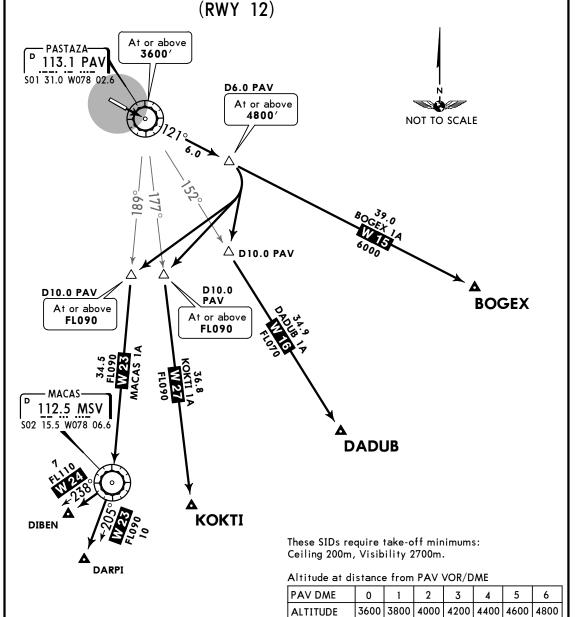
These SIDs require take-off minimums: Ceiling 200m, Visibility 2700m.

#### **INITIAL CLIMB**

After take-off MAINTAIN runway heading in climb to report at 6 NM from PTZ NDB (2 min) at or above 4800'

SID	ROUTING			
ANRAD 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-13 at 10 NM from PTZ NDB to ANRAD. Or proceed according to ATC instructions.			
ASIBU 1B At 6 NM from PTZ NDB, turn LEFT to intercept airway W-29 at 10 NM from PTZ NDB to ASIBU. Or proceed according to ATC instructions.				
ATEKI 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-14 at 10 NM from PTZ NDB to ATEKI. Or proceed according to ATC instructions.			
JUMANDY 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-11 at 10 NM from PTZ NDB to JUV VOR. Or proceed according to ATC instructions.			





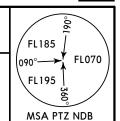
#### **INITIAL CLIMB**

After take-off proceed direct to PAV VOR and cross at or above 3600', continue climbing on course 121° (PAV R-121) to D6.0 PAV, cross at or above 4800'.

,	,
SID	ROUTING
BOGEX 1A	At D6.0 PAV, MAINTAIN PAV R-121 (course 121°), airway W-15 to BOGEX. Or proceed according to ATC instructions.
DADUB 1A	At D6.0 PAV, turn RIGHT to intercept PAV R-152 (course 152°) at D10.0 PAV, airway W-16 to DADUB. Or proceed according to ATC instructions.
KOKTI 1A	At D6.0 PAV, turn RIGHT to intercept PAV R-177 (course 177°) at D10.0 PAV at or above FL090, airway W-27 to KOKTI. Or proceed according to ATC instructions.
MACAS 1A	At D6.0 PAV, turn RIGHT to intercept PAV R-189 (course 189°) to D10.0 PAV at or above FL090, airway W-23 to MSV VOR. Or proceed according to ATC instructions.

Apt Elev 3464' Trans level: By ATC Trans alt: 6000'

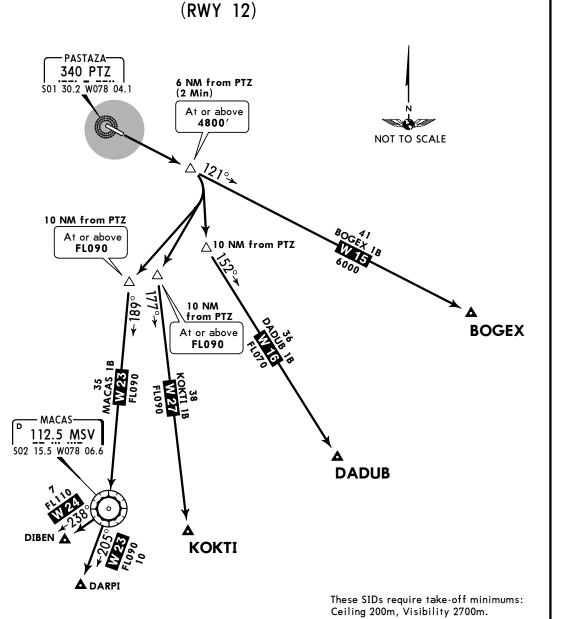
BOGEX 1B [BOGE1B], DADUB 1B [DADU1B]



KOKTI 1B [KOKT1B]

MACAS 1B (MSV 1B) [MSV1B]

DEPARTURES



### **INITIAL CLIMB**

After take-off MAINTAIN runway heading in climb to report at 6 NM from PTZ NDB (2 min) at or above 4800'

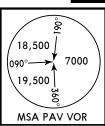
SID	ROUTING					
BOGEX 1B	At 6 NM from PTZ NDB, MAINTAIN course 121°, airway W-15 to BOGEX. Or proceed according to ATC instructions.					
DADUB 1B At 6 NM from PTZ NDB, turn RIGHT to intercept airway W-16 at 10 NM from PTZ NDB to DADUB. Or proceed according to ATC instructions.						
KOKTI 1B	At 6 NM from PTZ NDB, turn RIGHT to intercept airway W-27 at 10 NM from PTZ NDB at or above FL090. Airway W-27 to KOKTI. Or proceed according to ATC instructions.					
MACAS 1B	At 6 NM from PTZ NDB, turn RIGHT to intercept airway W-23 at 10 NM from PTZ NDB at or above FL090, airway W-23 to MSV VOR. Or proceed according to ATC instructions.					

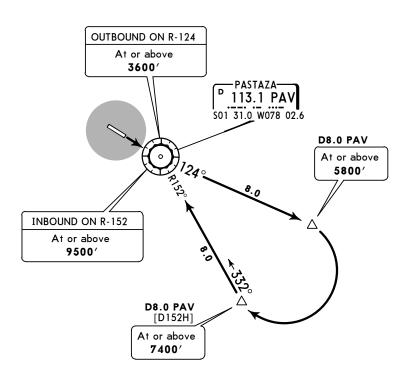
SII

Apt Elev **3464** 

Trans level: By ATC Trans alt: 6000'

# PASTAZA VOR 1B DEPARTURE [PAV1B] (RWY 12)





This SID requires take-off minimums: Ceiling 200m, Visibility 2700m. This SID requires a minimum climb gradient of 4.5% (273' per NM).

Gnd speed-KT	75	100	150	200	250	300
4.5% (V/V fpm)	342	456	684	911	1139	1367

Altitude at distance from PAV VOR/DME

PAV DME	0	1	2	3	4	5	6	7	8
ALTITUDE	3600	3870	4150	4420	4700	4970	5240	5520	5800

## INITIAL CLIMB

After take-off proceed direct to PAV VOR, cross at or above 3600', continue climb on course 124° (PAV R-124) to D8.0 PAV, cross at or above 5800', turn RIGHT to intercept PAV R-152 (course 332°) at D8.0 PAV at or above 7400', proceed to PAV VOR, cross at or above 9500'. Then proceed according to ATC instructions.

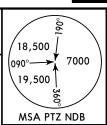
NOT TO SCALE

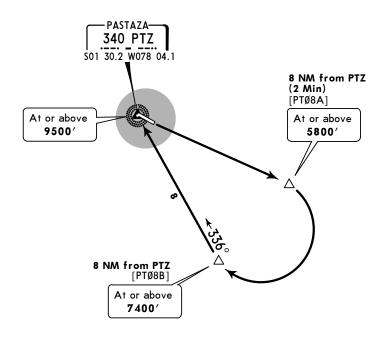
SI

Apt Elev **3464** 

Trans level: By ATC Trans alt: 6000'

# PASTAZA NDB 1B DEPARTURE [PTZ1B] (RWY 12)







This SID requires take-off minimums: Ceiling 200m, Visibility 2700m. This SID requires a minimum climb gradient of 4.5% (273' per NM).

	,					
Gnd speed-KT	75	100	150	200	250	300
4.5% (V/V fpm)	342	456	684	911	1139	1367

### **INITIAL CLIMB**

After take-off, MAINTAIN runway heading in climb to 8 NM from PTZ (2 min) cross at or above 5800'. Turn RIGHT course 336° at 8 NM from PTZ at or above 7400'. Proceed to PTZ NDB, and cross at or above 9500', then proceed according to ATC instructions.

SESM/PTZ SHELL, ECUADOR JEPPESEN Apt Elev **3464**' \$01 30.3 W078 03.8 (10-9) Eff 5 Mar 27 FEB 15 **RIO AMAZONAS** \*SHELL Tower 122.6 78-04 Terminal - 01-30 01-30 Control Towe MET CAUTION: Birds in vicinity of airport. 78-04 ADDITIONAL RUNWAY INFORMATION USABLE LENGTHS - LANDING BEYOND —— RWY Glide Slope TAKE-OFF WIDTH Threshold 12 75' 30 TAKE-OFF Rwy 12 Rwy 30 Eng 200m - 3.6 km NA 3 & 4 Eng CHANGES: Mag var, airport elevation, runway elevation, note, buildings. © JEPPESEN, 1999, 2015. ALL RIGHTS RESERVED.

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CHANGES: Procedure

SHELL, ECUADOR VOR Y Rwy 30 CAT A & B SESM/PTZ 8 SEP 17 (13-2) Eff 14 Sep MISSED APCH CLIMB GRADIENT MIM 3.3% **RIO AMAZONAS** \*SHELL Approach \*SHELL Tower 119.5 122.6 Minimum Alt VOR Final Apt Elev 3464 MDA(H) PAV Apch Crs D5.0 303° 18,500<sup>°</sup> 113.1 **5100′**(1683′) 4000′(583′) Rwy 3417' MISSED APCH: Maintain course to PAV VOR. At PAV VOR LEFT turn to 7000' intercept heading 123° climbing at or above 5000' within D4.6 PAV VOR 19,500 (R-154 PAV VOR), then turn LEFT to PAV VOR at 6000' and hold or continue as per ATC instructions. MAX IAS 140 Kts. Rwy Elev: 119 hPa Alt Set: hPa Trans level: By ATC Trans alt: 6000 MSA PAV VOR 1. PAV VOR and DME required. MISSED APCH FIX JUMANDY VOR NOT TO SCALE D10.0 29.6 230° DPAV VOR [DØ5ØJ] W 11 FL070 3890' hdg PASTAZA-D4.6 D 113.1 PAV (IAF) [D154E] D10.0 [DØ77J] **9**4437 077 (IAF) 7288 D10.0 [DØ94J] **D1.5** [MA3Ø] 094 W 14 - ₩ 6000 (IAF) 6000 3870 -107º D10.0 **D5.0** [FF3Ø] [D1Ø7J] 35.1 287 D8.0 [D123H] 5102 D10.0 [D121J] NOT TO (IAF) 89 SCALE D10.0 D10.0 [D152J] [D189J] BOGE 5000 37.4 **356**° 332° (IAF) D10.0 [D176J] W 16 01-40 FL090 T L MACAS VOR FL070 **DADUB** 78-10 77-50 2.0 3.0 PAV DME 4.0 5.0 4150 4470 5100 ALTITUDE 4780 **D8.0** [D123H] 2.7 NM to MA3Ø **VOR** <u>5100</u> D1.5 [MA3Ø] 303° **D5.0** [FF3Ø] TCH 50' Rwy 3417' 1.5 3.5 3.0 Gnd speed-Kts 70 90 120 140 160 100 5000' 113.1 on 303° 3.00° 372 478 531 637 743 849 123° Descent Angle MAP at D1.5 or hdg LT 3.5 3:00 2:20 2:06 1:45 1:30 1:19 D5.0 to MAP STRAIGHT-IN LANDING RWY 30 CIRCLE-TO-LAND RWY12 Missed apch climb gradient mim 3.3% Missed apch climb gradient mim 3.3% MDA(H) 4000'(583') Max Kts 100 2700m 5000'(1536') -5000m OPS В 135 C C **PANS** NA NA D D CHANGES: Procedure © JEPPESEN, 2015, 2017. ALL RIGHTS RESERVED.

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SHELL, ECUADOR VOR X Rwy 30 JEPPESEN CAT A & B SESM/PTZ 8 SEP 17 MISSED APCH CLIMB GRADIENT MIM 3.3% RIO AMAZONAS (13-3)Eff 14 Sep \*SHELL Approach \*SHELL Tower 119.5 122.6 ž STRIP VOR Final MDA(H)Apt Elev 3464 Apch Crs PAV No FAF 4000'(583') 113.1 303° Rwy 3417' 18,500'| MISSED APCH: At PAV VOR LEFT turn to intercept heading 123° climbing |090°-7000' at or above 5000' within 4.6 NM (R-154 PAV VOR), then turn LEFT 19,500' to PAV VOR at 6000' and hold or continue as per ATC instructions. MAX IAS 140 Kts. Alt Set: hPa Rwy Elev: 119 hPa Trans level: FL060 Trans alt: 6000 MSA PAV VOR 1. Timing not authorized to define MAP MISSED APCH FIX NOT TO SCALE •3890′ PAV VOR 2 4000 6000 •4437*′* (IAF) 4.6 NM PASTAZA [D154E] <sup>D</sup> 113.1 PAV 01-30 7288 1.5 NM MAX 175 KT **3870**′ 5.0 NM 1230 [FF3Ø] 10 K) 5102 5.5 NM 0 5000 01-40 78-10 78-00 77-50 5.5 NM 4.2 NM to VOR 6000 5100' Start turn at 2 Min 5100 1.5 NM 5.0 NM [FF3Ø] TCH 50' Rwy 3417' 1.5 3.5 0.9 Gnd speed-Kts 70 90 100 120 140 160 5000 123° 372 478 531 637 743 849 3.00° Descent Angle hdg LT MAP at VOR STRAIGHT-IN LANDING RWY30
Missed apch climb gradient mim 3.3% CIRCLE-TO-LAND RWY12 Missed apch climb gradient mim 3.3% MDA(H) 4000'(583') \_MDA(H) . 100 3000m 5000'(1536') -5000m В 135 OPS c c PANS NA NA D D CHANGES: Procedure, minimums. © JEPPESEN, 2010, 2017. ALL RIGHTS RESERVED.

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