

MROC/SJO  
(ALAJUELA) JUAN  
SANTAMARIA INTL

JEPPESEN  
13 JUN 08 10-3

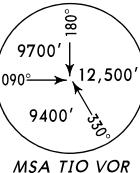
SAN JOSE, COSTA RICA

SID

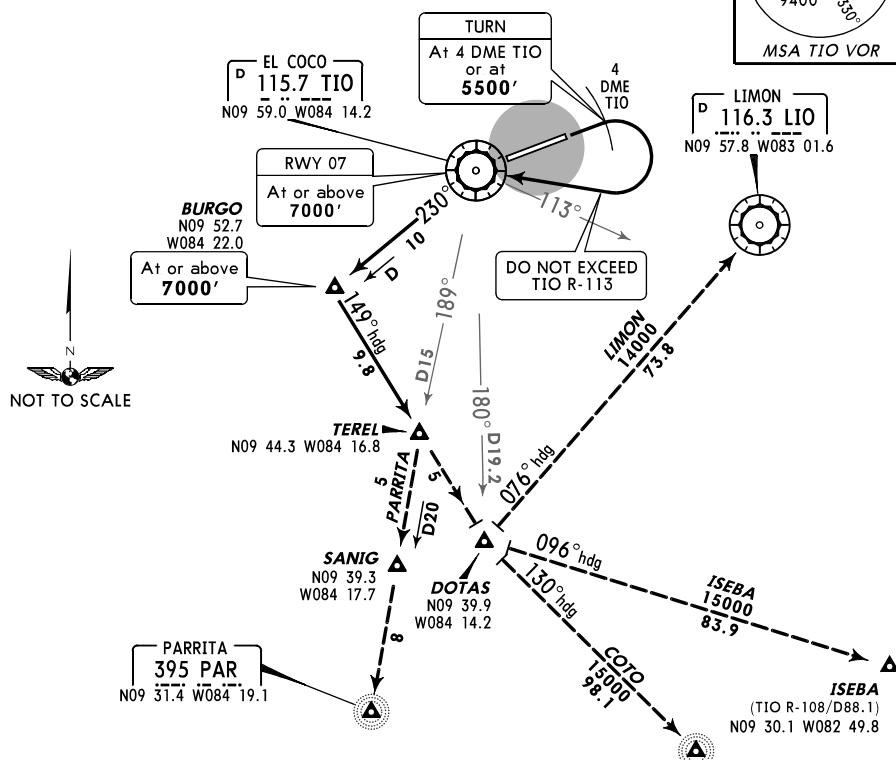
\*COCO  
Departure (R)  
**120.5**

Apt Elev  
3021'

Trans level: FL200 Trans alt: 19000'



## ATENAS 2 DEPARTURE



Direct distance from (Alajuela) Juan Santamaría Intl to:  
**TIO 2 NM**

This SID requires a minimum climb gradient of 400' per NM.

Gnd speed-KT	75	100	150	200	250	300
400' per NM	500	667	1000	1333	1667	2000

RWY	INITIAL CLIMB
07	<b>MAINTAIN</b> runway heading with the maximum climb gradient possible to TIO 4 DME or 5500', then climbing RIGHT turn to TIO without exceeding TIO R-113. Continue with departure procedure.
25	Direct to TIO. Continue with departure procedure.

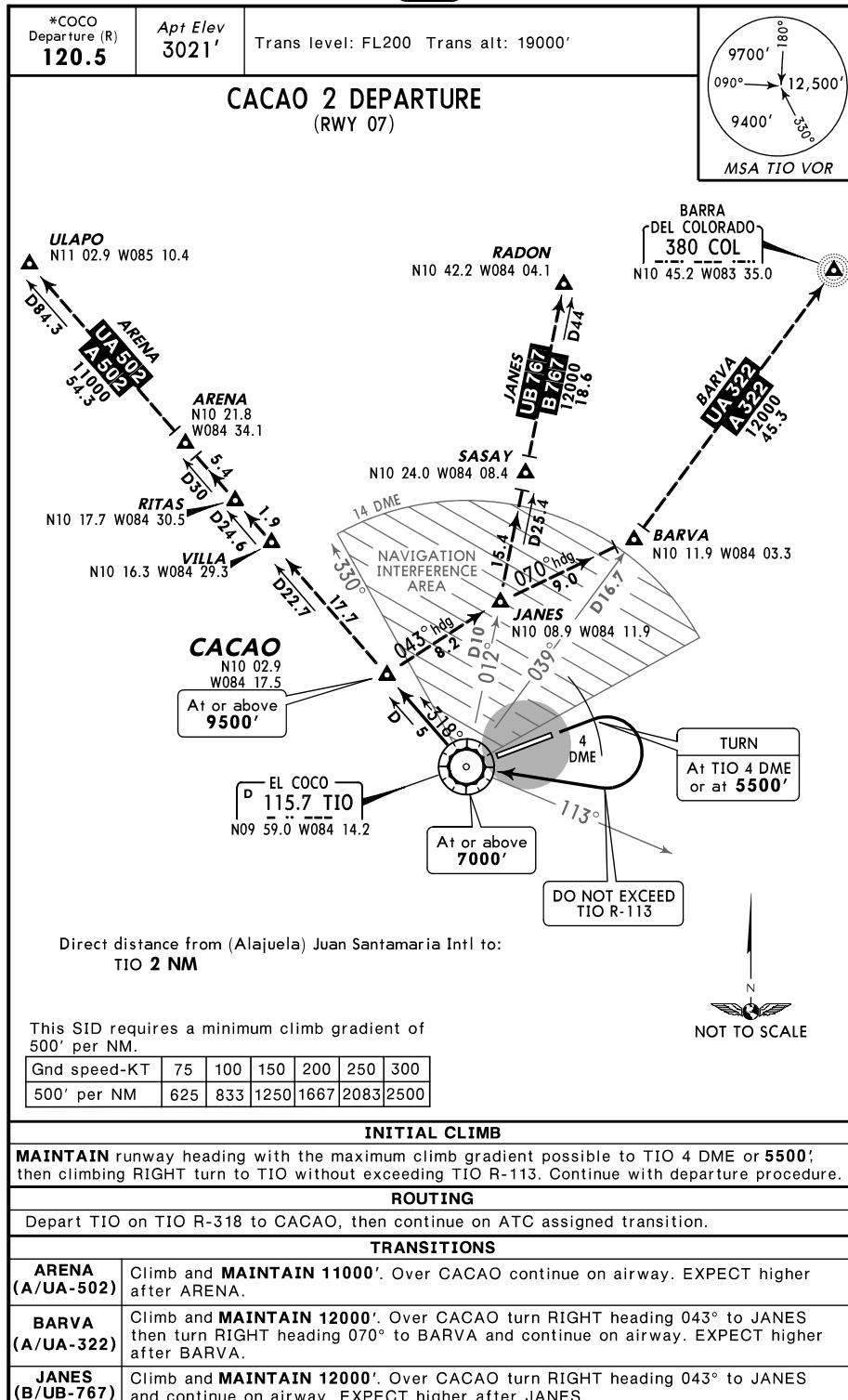
### ROUTING

Climb on TIO R-230 to BURGO, then turn LEFT heading 149° to TEREL and continue on the assigned transition.

### TRANSITIONS

<b>COTO (A/UA-502)</b>	Over TEREL continue on heading 149° to DOTAS, then turn LEFT heading 130° to COT.
<b>ISEBA (G/UG-440)</b>	Over TEREL continue on heading 149° to DOTAS, then turn LEFT heading 096° to ISEBA.
<b>LIMON (B/UB-690)</b>	Over TEREL continue on heading 149° to DOTAS, then turn LEFT heading 076° to LIO.
<b>PARRITA (B/UB-767)</b>	Over TEREL turn RIGHT on TIO R-189 to PAR.

CHANGES: None.



MROC/SJO  
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SANTAMARIA INTL

JEPPESEN  
13 JUN 08 10-3B

SAN JOSE, COSTA RICA

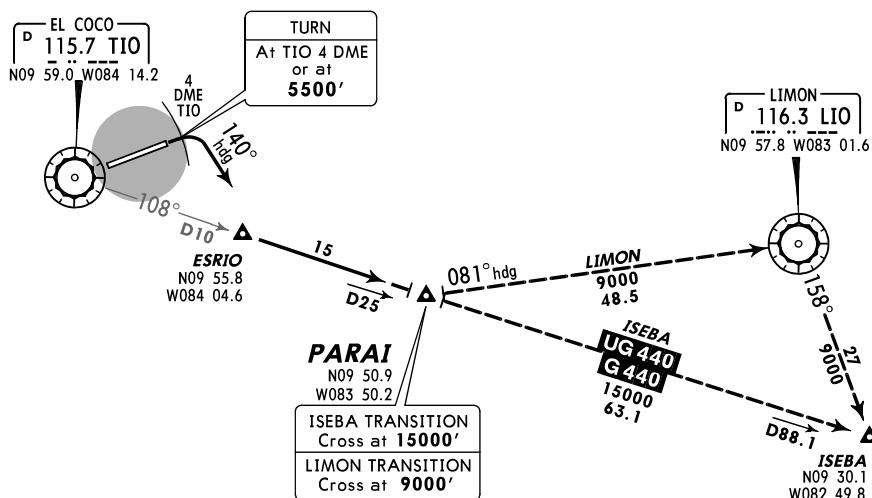
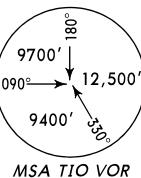
SID

\*COCO  
Departure (R)  
**120.5**

Apt Elev  
**3021'**

Trans level: FL200 Trans alt: 19000'

## PARAI 2 DEPARTURE (RWY 07)



Direct distance from  
(Alajuela) Juan Santamaria Intl to:  
**PARAI 24 NM**

This SID requires take-off minimums:  
LIMON transition: Minimum climb  
gradient of 300' per NM.  
ISEBA transition: Minimum climb  
gradient of 450' per NM.

Gnd speed-KT	75	100	150	200	250	300
300' per NM	375	500	750	1000	1250	1500
450' per NM	563	750	1125	1500	1875	2250



### INITIAL CLIMB

**MAINTAIN** runway heading with the maximum climb gradient possible to TIO 4 DME or 5500', then climbing RIGHT turn on 140° heading to intercept TIO R-108, continue with departure procedure.

### TRANSITIONS

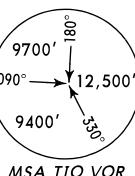
**ISEBA** Continue on TIO R-108 to PARAI.

**LIMON** Continue on TIO R-108 to PARAI, over PARAI turn LEFT to heading 081° to LIO. Over LIO turn RIGHT heading 158° to ISEBA.

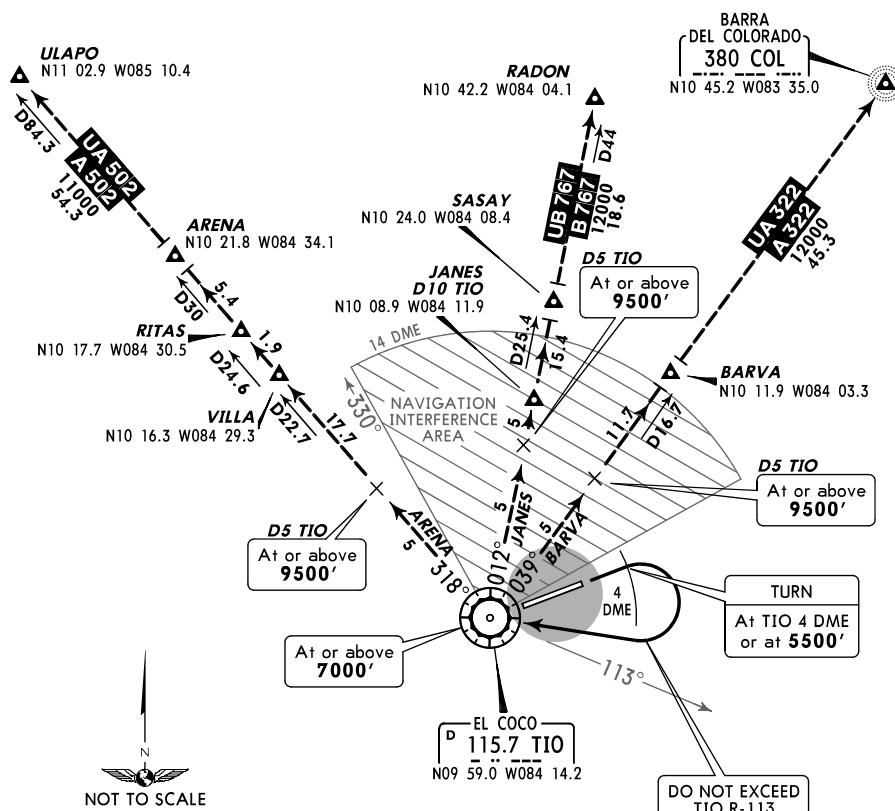
\*COCO  
Departure (R)  
**120.5**

Apt Elev  
**3021'**

Trans level: FL200 Trans alt: 19000'  
RADAR required.



**POAS 2 DEPARTURE**  
(RWY 07)



This SID requires a minimum climb gradient of 500' per NM.

Direct distance from (Alajuela)  
Juan Santamaria Intl to:  
**TIO 2 NM**

Gnd speed-KT	75	100	150	200	250	300
500' per NM	625	833	1250	1667	2083	2500

**INITIAL CLIMB**

**MAINTAIN** runway heading with the maximum climb gradient possible to TIO 4 DME or **5500'**, then climbing RIGHT turn to TIO without exceeding TIO R-113.  
Continue with departure procedure.

**ROUTING**

Depart TIO as authorized per ATC.

**TRANSITIONS**

ARENA (A/UA-502)	Climb and <b>MAINTAIN 11000'</b> , EXPECT higher after ARENA.
BARVA (A/UA-322)	Climb and <b>MAINTAIN 12000'</b> , EXPECT higher after BARVA.
JANES (B/UB-767)	Climb and <b>MAINTAIN 12000'</b> , EXPECT higher after JANES.

**MROC/SJO  
(ALAJUELA) JUAN  
SANTAMARIA INTL**

JEPPESEN  
13 JUN 08 10-3D

## SAN JOSE, COSTA RICA

SID

13 JUN 08

(10-3D)

\*COCO  
Departure (R)  
**120.5**

*apt Elev*  
3021'

Trans level: FL200 Trans alt: 19000'

## RAMON 2 DEPARTURE

**INITIAL CLIMB**

**TRANSITIONS**

**ROUTING**

**07** **Maintain** runway heading with the maximum climb gradient possible to RAMON and continue on the assigned transition.

**25** Climb direct to TIO and continue with the departure procedure.

**RWY**

RWY	Direct distance from (Alajuela)	Distance to (Juan Santamaría int'l to:	Gnd speed-KT	100	150	200	250	300
<b>07</b>	N11 02.9	TIO 2 NM	400 per NM	500	667	1000	1333	1667
<b>25</b>	W085 10.4							

**ARENA (A/UA-502)** Over RAMON turn RIGHT heading 340° to VILLA, then turn LEFT heading 318° to ARENA.

**BARRA (A/UA-322)** Over RAMON turn RIGHT heading 070° to BARVA, then turn LEFT heading 039° to TIGRE.

**DADES (G/GJ-440)** Over RAMON continue on TIO R-294 to HONDA.

**SASAY (B/UB-767)** Over RAMON turn RIGHT heading 040° to SASAY, then turn LEFT heading 012° to RADON.

#### **CHANGES: BABVA formation mileage**

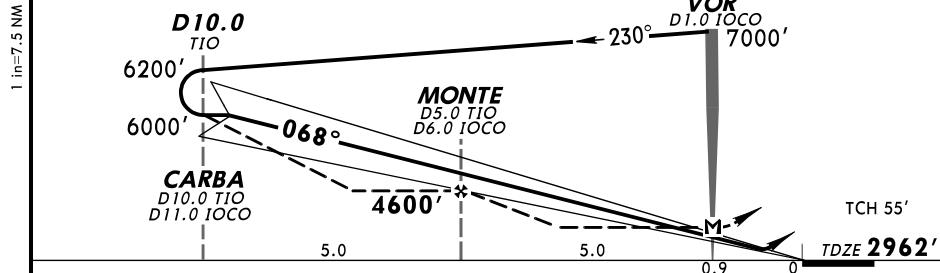
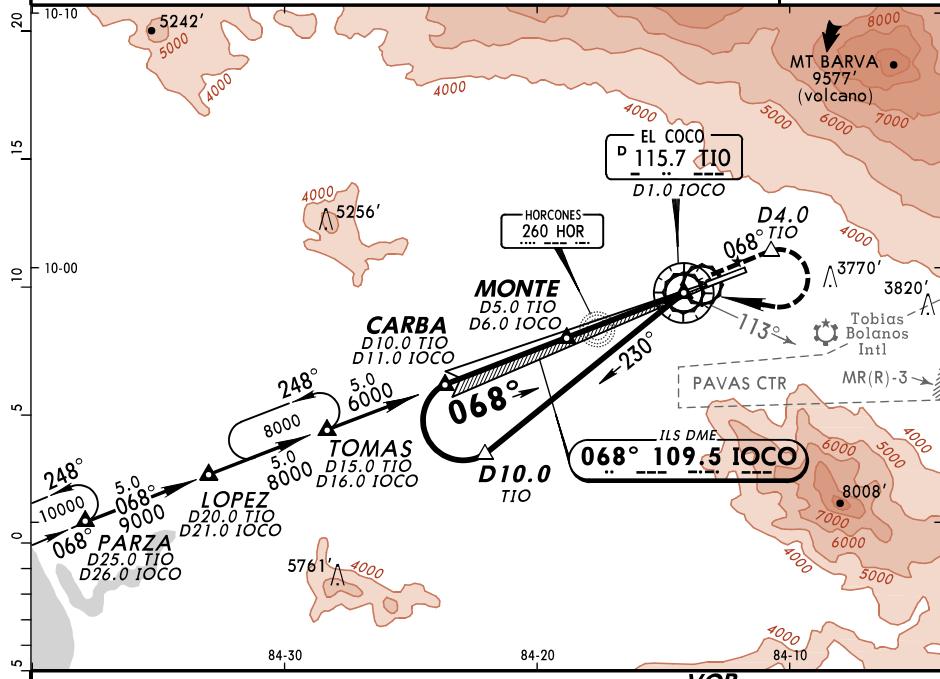
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MROC/SJO

(ALAJUELA) JUAN SANTAMARIA INTL

JEPPESEN SAN JOSE, COSTA RICA  
11-1 27 JUN 08 ILS DME Rwy 07

ATIS 127.3	COCO Control (R) 120.0	*COCO Approach (R) 120.5	COCO Tower 118.6	Ground 121.9
LOC IOCO <b>109.5</b>	Final Apch Crs <b>068°</b>	Minimum Alt MONTE <b>4600' (1638')</b>	ILS DA(H) <b>3162' (200')</b>	Apt Elev 3021' TDZE <b>2962'</b>
<b>BRIEFING STRIP</b>				
<b>MISSSED APCH:</b> Climb outbound on TIO VOR R-068 to D4.0 TIO or 5000'. Then turn <b>RIGHT</b> , continue climbing to TIO VOR crossing at 7000', Continue per ATC instructions. Do not exceed TIO VOR R-113. Obstacles in the missed approach area require a climb gradient of 300'/NM. Alt Set: hPa TDZ Elev: 104 hPa Trans level: FL200 Trans alt: 19000' 1. Do not exceed 200 kts in any phase of the procedure. 2. Do not enter Pavas CTR. High density general aviation traffic. 3. At CARBA Int contact tower.				



Gnd speed-Kts	70	90	100	120	140	160	PAPI MAISR	TIO on 115.7	D4.0 TIO or 5000'
GS	3.00°	377	484	538	646	753	REIL		R-068
FAF to MAP	5.0	4:17	3:20	3:00	2:30	2:09	1:53		

PANS OPS	STRAIGHT-IN LANDING RWY 07				CEILING REQUIRED		CIRCLE-TO-LAND	
	ILS DA(H) <b>3162' (200')</b>		LOC (GS out) MDA(H) <b>3360' (398')</b>		Use the BELEN Visual with these values:			
	FULL	RAIL or ALS out	CEILING-VISIBILITY	RAIL out   ALS out	MDA(H)	CEIL-VIS		
A	200'-0.8 km	200'-1.2 km		400'-1.6 km	100	3820' (799')	800'-1.6 km	
B				400'-2.0 km	135	3820' (799')	800'-2.0 km	
C					180	3820' (799')	800'-3.6 km	
D					205	3820' (799')	800'-4.0 km	

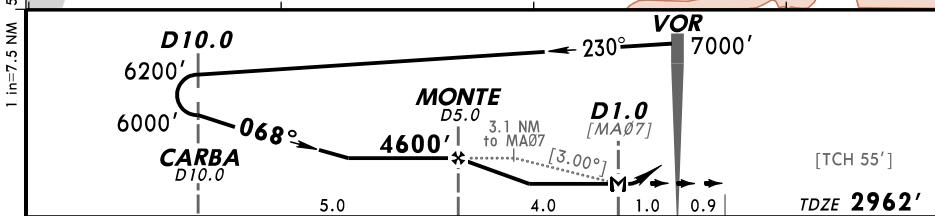
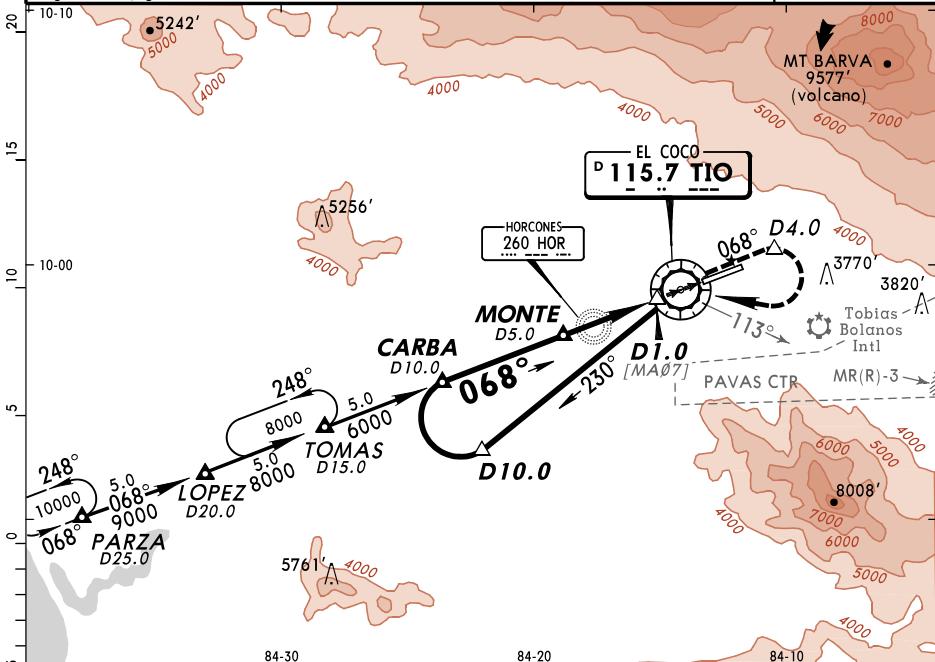
CHANGES: Control frequency.

MROC/SJO

(ALAJUELA) JUAN SANTAMARIA INTL

JEPPESEN SAN JOSE, COSTA RICA  
VOR DME Rwy 07  
(13-1) 27 JUN 08

ATIS 127.3		COCO Control (R) 120.0	*COCO Approach (R) 120.5	COCO Tower 118.6	Ground 121.9
BRIEFING STRIP™	VOR TIO <b>115.7</b>	Final Apch Crs <b>068°</b>	Minimum Alt <b>MONTE</b> <b>4600'</b> (1638')	MDA(H) <b>3300'</b> (338')	Apt Elev 3021' TDZE <b>2962'</b>
<b>MISSSED APCH:</b> Climb outbound on TIO VOR R-068 to D4.0 or 5000', then turn RIGHT continue climbing to TIO VOR crossing at 7000'. Continue per ATC instructions. Do not exceed TIO VOR R-113. Obstacles in the missed approach area require a climb gradient of 300'/NM.					
Alt Set: hPa TDZ Elev: 104 hPa Trans level: FL 200 Trans alt: 19000' 1. Do not exceed 200 kts in any phase of the procedure. 2. Do not enter Pavas CTR. High density general aviation traffic. 3. At CARBA Int contact tower.					



Gnd speed-Kts	70	90	100	120	140	160	PAPI MAISR	TIO on 115.7 R-068	D4.0 or 5000'			
Descent angle [3.00°]	372	478	531	637	743	849	REIL					
MAP at D1.0												
FAF to MAP	4.0	3:26	2:40	2:24	2:00	1:43	1:30					
STRAIGHT-IN LANDING RWY 07				<b>CEILING REQUIRED</b>			CIRCLE-TO-LAND					
MDA(H) <b>3300'</b> (338')							Use the BELEN Visual with these values:					
RAIL out CEILING-VISIBILITY				ALS out			MDA(H) CEIL-VIS					
PANS OPS	300'- 2.8 km						100	3820' (799')				
							135	800'- 3.6 km				
							180	3820' (799')				
							205	800'- 4.4 km				

MROC/SJO  
(ALAJUELA) JUAN SANTAMARIA INTL

JEPPESEN

SAN JOSE, COSTA RICA  
RADAR ASR Rwy 07

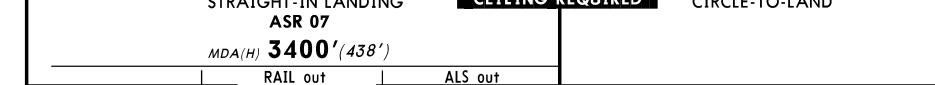
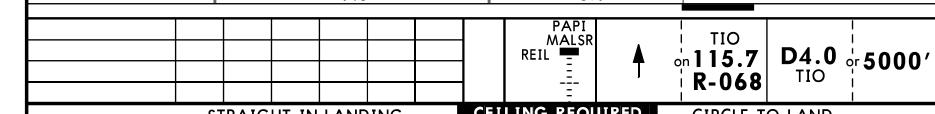
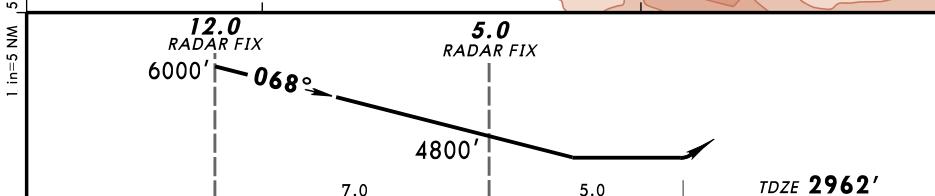
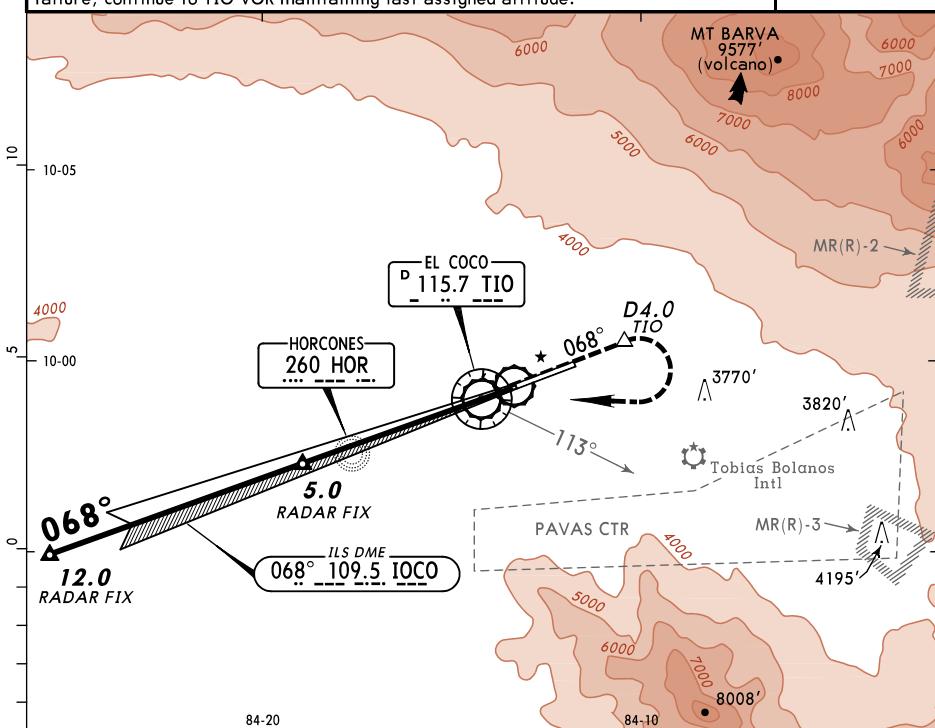
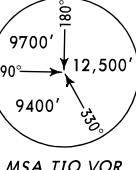
18-1 27 JUN 08

ATIS 127.3	COCO Control (R) 120.0	*COCO Approach (R) 120.5	COCO Tower 118.6	Ground 121.9
RADAR	Final Apch Crs <b>068°</b>	No FAF	MDA(H) <b>3400' (438')</b>	Apt Elev 3021' TDZE <b>2962'</b>

**BRIEFING STRIP™**  
**MISSSED APCH:** Climb outbound on TIO VOR R-068 to D4.0 TIO or 5000', then RIGHT turn and continue climbing to the TIO VOR. Do not exceed TIO VOR R-113. Notify CONTROL at 6000' for radar vectors. Obstacles in the missed approach area require a climb gradient of 250'/NM.

Alt Set: hPa Trans level: FL 200 Trans alt: 19000'

1. Do not exceed 200 kts in any phase of the procedure. 2. In case of communications failure, continue to TIO VOR maintaining last assigned altitude.



A		A	
B		B	
C		C	
D		D	

500' - 1.6 km      NA

CHANGES: Control frequency.

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