

GENERAL**Operational Hours****ATS Hours / AD Hours:** H24**Airport Information****RFF:** CAT 8**PCN:** RWY 01/19: 130/F/C/W/T**Operation****Low Visibility Procedures**

TWY N will be used only when requested by ATC.

Reduced Runway Separation Minima Between Aircraft Using the Same Runway

Reduced spacing procedure is applied on RWY 01/19, between SR-30 and SS+30, according ICAO standards.

TWY Restriction

TWY L width 18m / 59ft.

| TWY A-H, J, N2 AVBL up to code letter E ACFT.

| TWY N, N1 AVBL up to code letter C ACFT.

| TWY L AVBL up to code letter B ACFT.

Taxi/Parking

Holding PSN RWY 19: Enter RWY with MNM power to avoid damage due to jet blast.

TWY N and N1 can be used simultaneously, except in low visibility conditions.

| TWY N and N1 will be used by ACFT up to code letter C to enter/exit stands, while code letter D ACFT and above will use TWY N2.

Code letter D ACFT and above must use MNM PWR when entering stands 10, 11, 12 and 14 to avoid damage due to jet blast. Otherwise, ACFT must be towed to stands.

APU

| APU on stands may only be used after coordination with APN for a MAX of 10min.

Warnings

| Exercise caution due to agricultural works on RWY edges.

Exercise caution due to bumps on the first 35m / 115ft from THR 19.

Birds in vicinity of AD.

ARRIVAL**Arrival Procedure**

Second APCH after MISAP due to MET reasons only allowed when MET COND permits.

DEPARTURE**Take-off Minima**

RWY		01/19	
Multi ENG	ft - m/km	0 - 500R/500V	By State Permission. REDL+RCLL or RCLM, HJ only
3+4 ENG		0 - 800R/800V	-
2 ENG		0 - 800R/800V	By State Permission. REDL+RCLL, HN
		0 - 1.6V	-
1 ENG		c750 - 3.0V	-

Departure Procedure**Start-up/Push-back**

ACFT starting-up on S13, S14 and S15 must not exceed 40% of ENG PWR when starting to taxi.

Intersection TKOF

Intersection TKOF not allowed:

- if VIS at or below 3000m.
- between 0400-1059, when it involves overflying urban areas.

24-MAY-2018

MDE-SKRG

Colombia Medellin/Rionegro Jose Maria Cordova

2-10

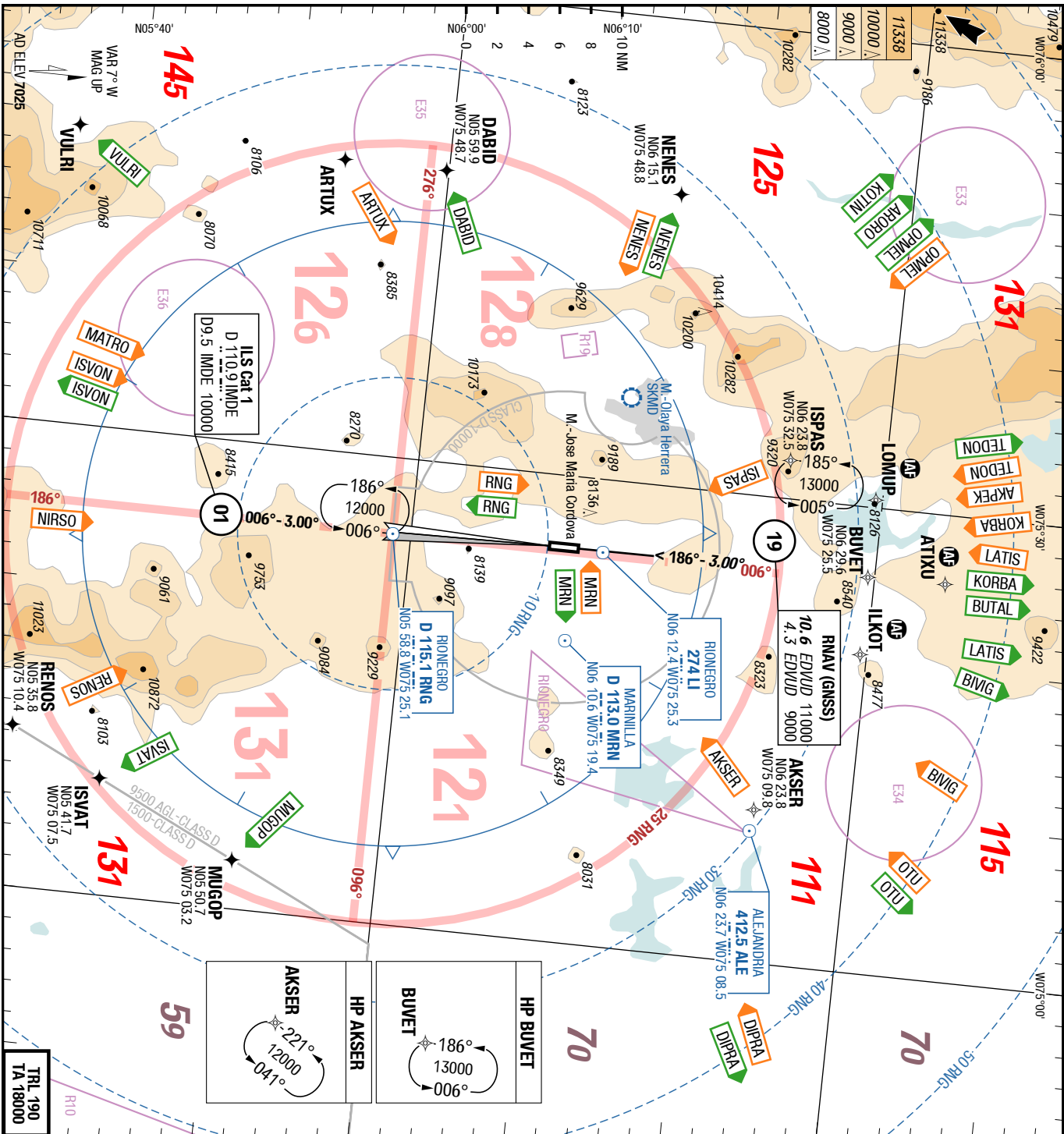
AGC AFC

AFC

AFC

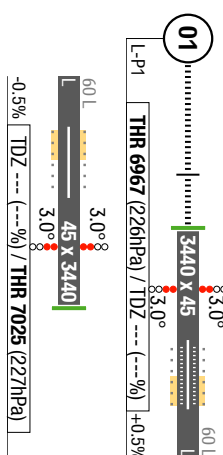
Jose Maria Cordova Medellin/Rionegro Colombia

AGC AFC



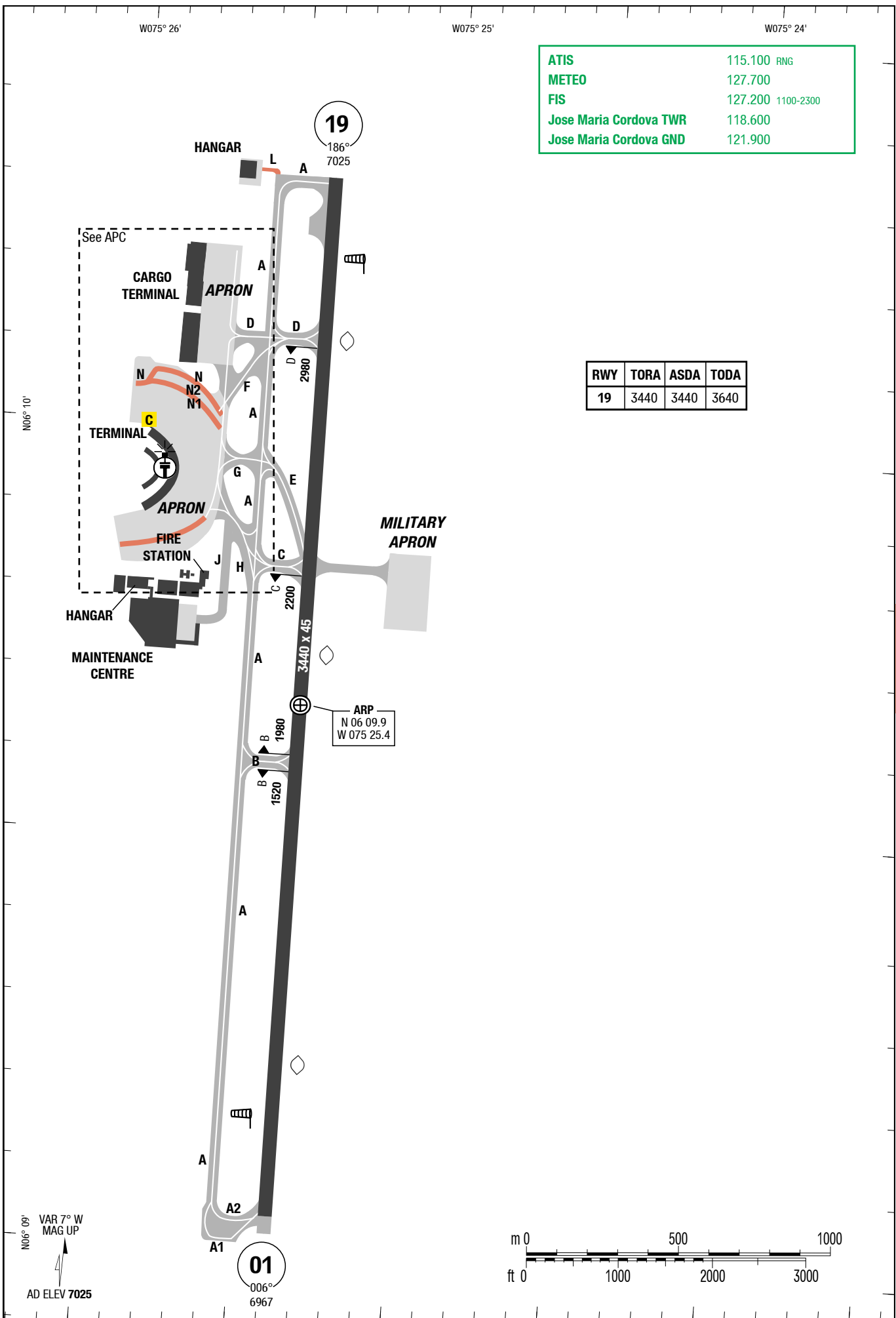
ATIS 115.100 MHz
METEO 127.700 MHz
FIS 127.200 MHz
APP 126.100 MHz
Jose Maria Cordova TWR 121.100 MHz
Jose Maria Cordova GND 118.600 MHz
121.900 MHz

Landing RWY system:



ATIS	115.100	RNG
METEO	127.700	
FIS	127.200	1100-2300
Jose Maria Cordova TWR	118.600	
Jose Maria Cordova GND	121.900	

RWY	TORA	ASDA	TODA
19	3440	3440	3640



3-30

ATIS	115.100	RNG
METEO	127.700	
FIS	127.200	1100-2300
Jose Maria Cordova TWR	118.600	
Jose Maria Cordova GND	121.900	

Legend:
S1 Release Points
After Push-Back

1-3	N06 10.2	W075 25.7
4-6	N06 10.2	W075 25.6
7-10A	N06 10.3	W075 25.6
10B	N06 10.4	W075 25.6
11-14A	N06 10.4	W075 25.7
14B-17B	N06 10.4	W075 25.8
18-19	N06 10.5	W075 25.8
R1, R2	N06 10.2	W075 25.6
R3, R4	N06 10.1	W075 25.6
R5-R8	N06 10.1	W075 25.7
R10, R11	N06 10.2	W075 25.8
C1, C2	N06 10.5	W075 25.6
C3, C4	N06 10.6	W075 25.6
C5	N06 10.7	W075 25.6

VAR 7° W
MAG UP
AD ELEV 7025
Not to scale

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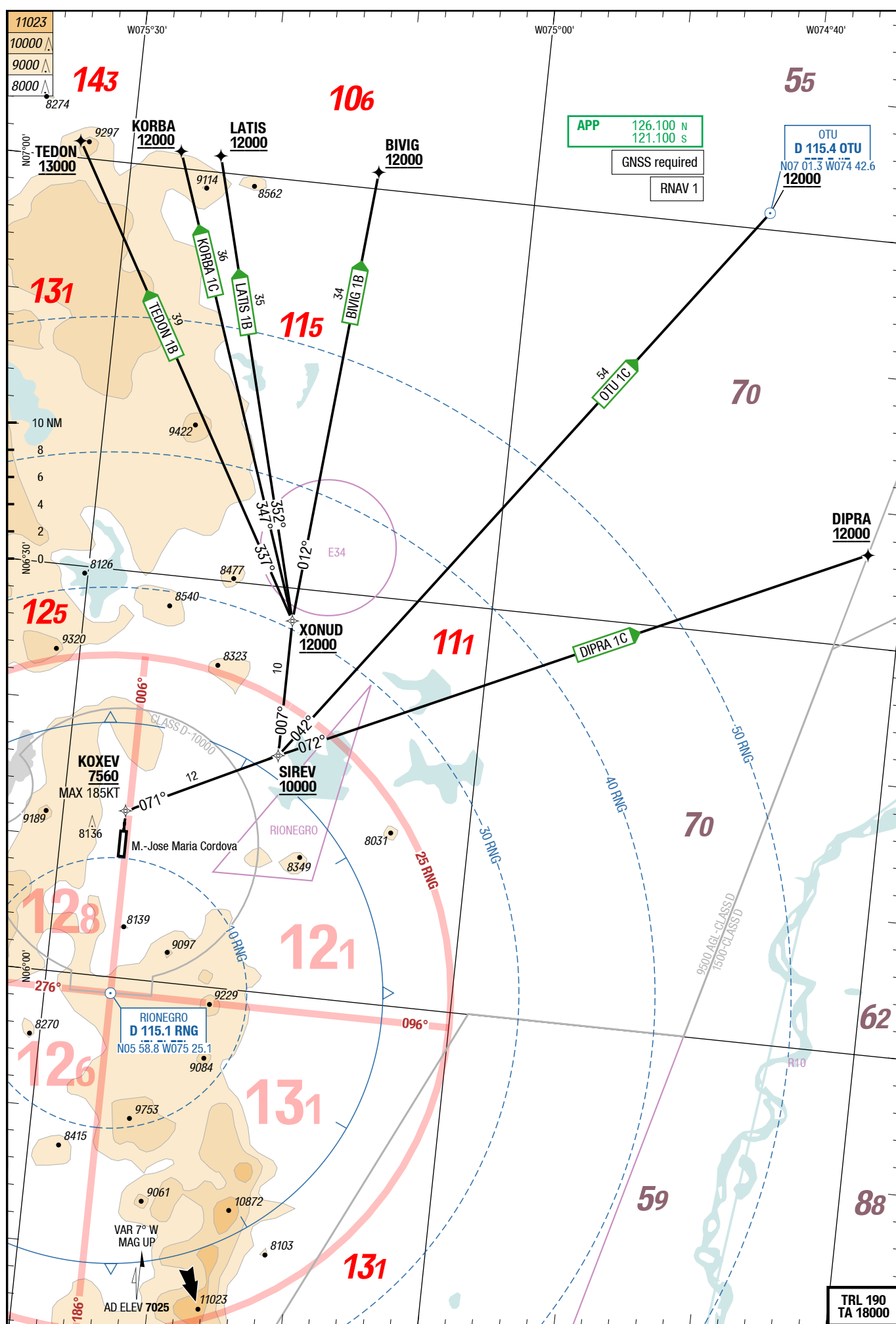
4-10

RNAV SIDS Rwy 01 North

SID

RNA

RNAV SIDS Rwy 01 North



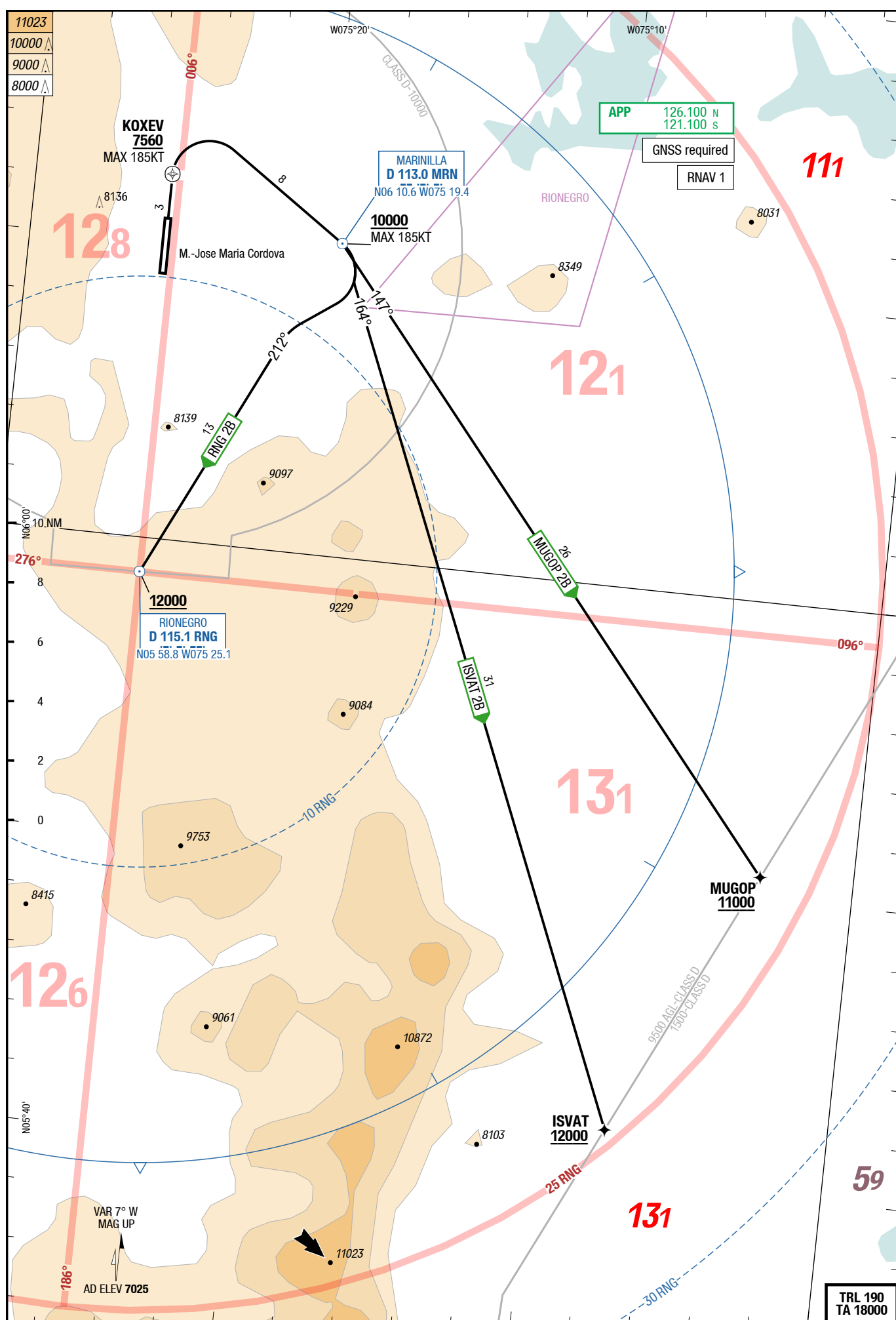
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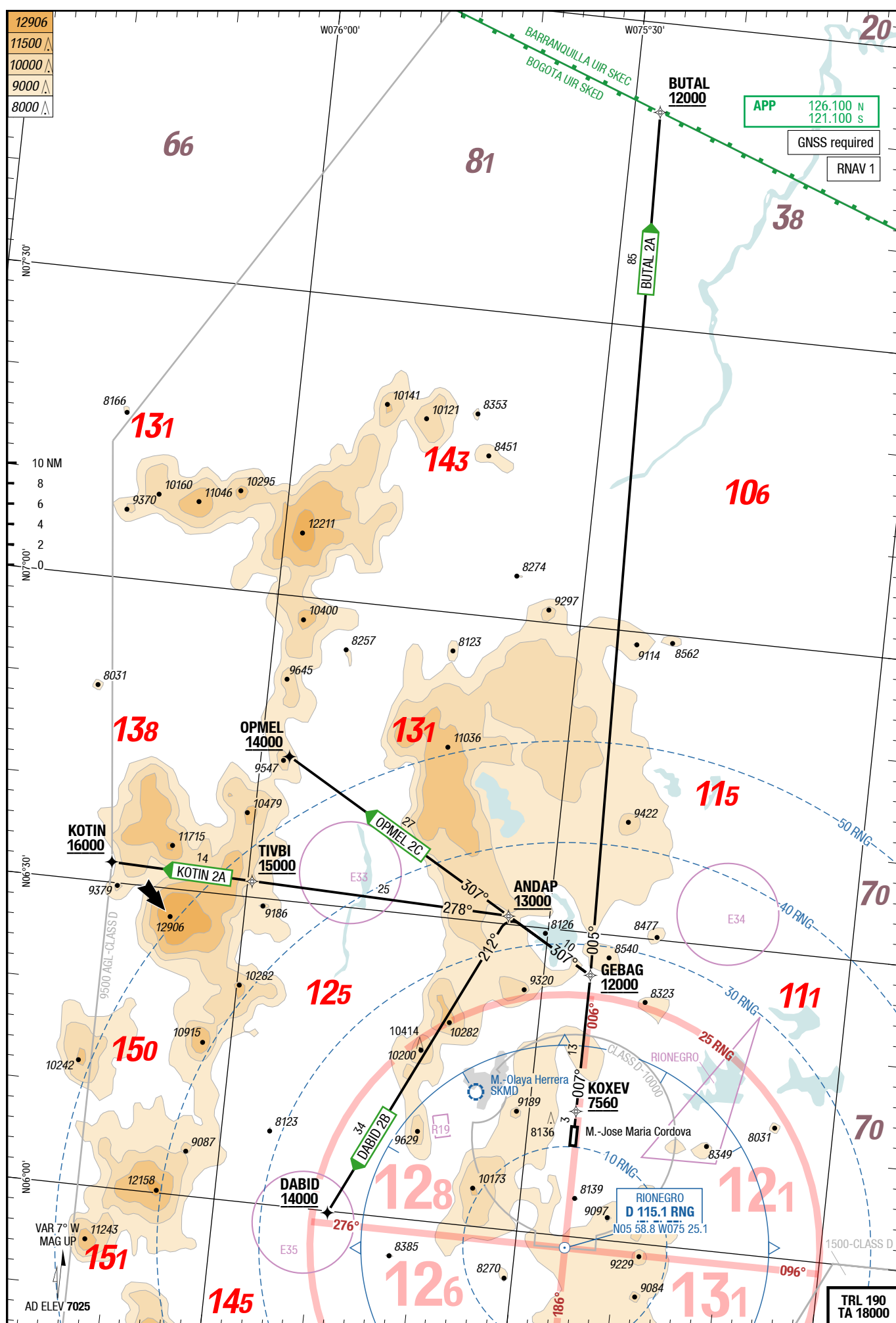
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RNAV SIDS RWY 01 South

99

RNAV SIDS Rwy 01 South





22-MAR-2018

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4-40

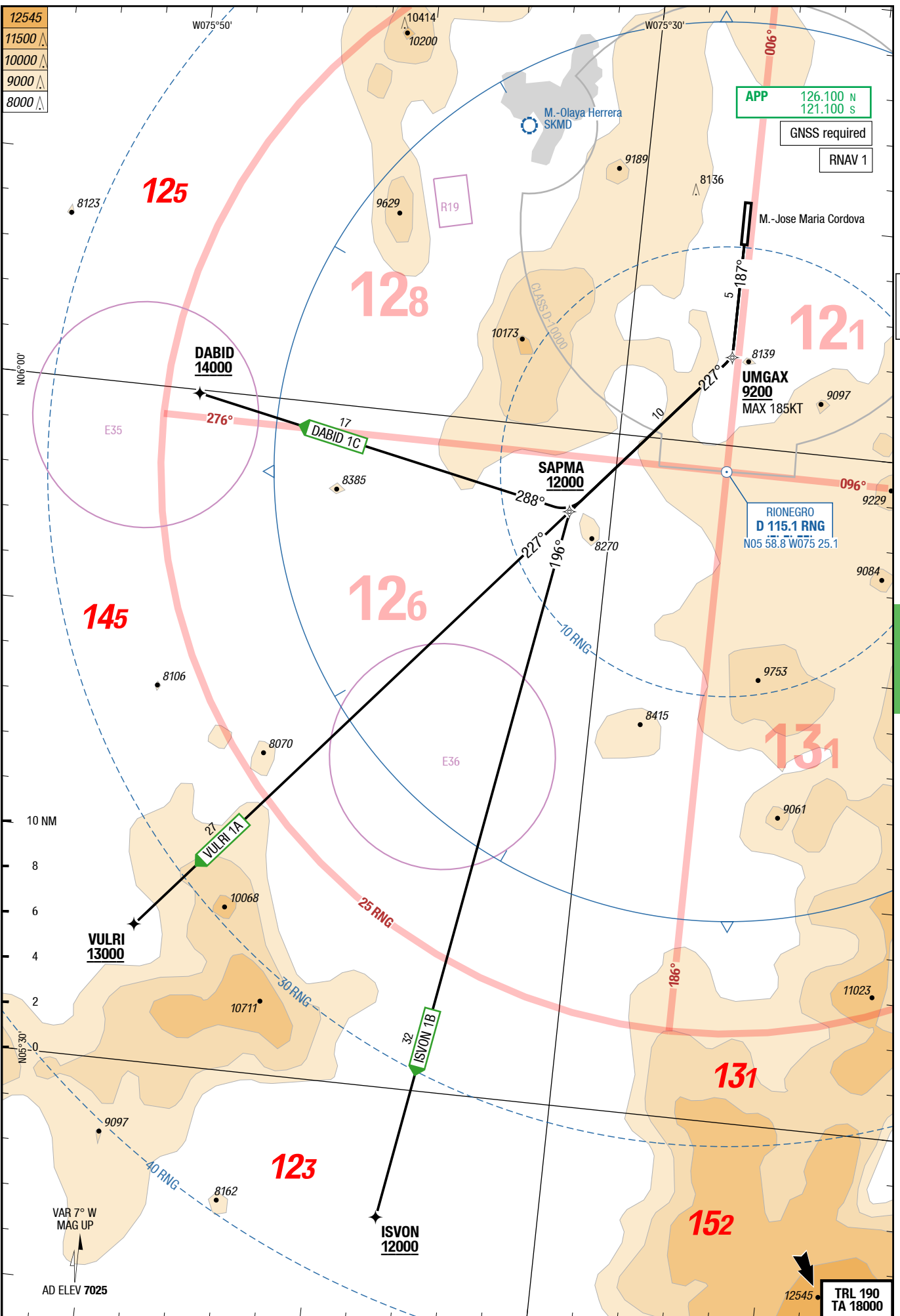
RNAV SIDS Rwy 19

SID

SID

RNAV SIDS Rwy 19

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Changes: OBST

12545
11500
10000
9000
8000

22-MAR-2018

MDE-SKRG

Colombia **Medellin/Rionegro** Jose Maria Cordova

BIVIG 2A/KORBA 1B/LATIS 1A/MRN 5B

4-50

ARORO 4/DABID 1A/NENES 1B/OPMEL 1B

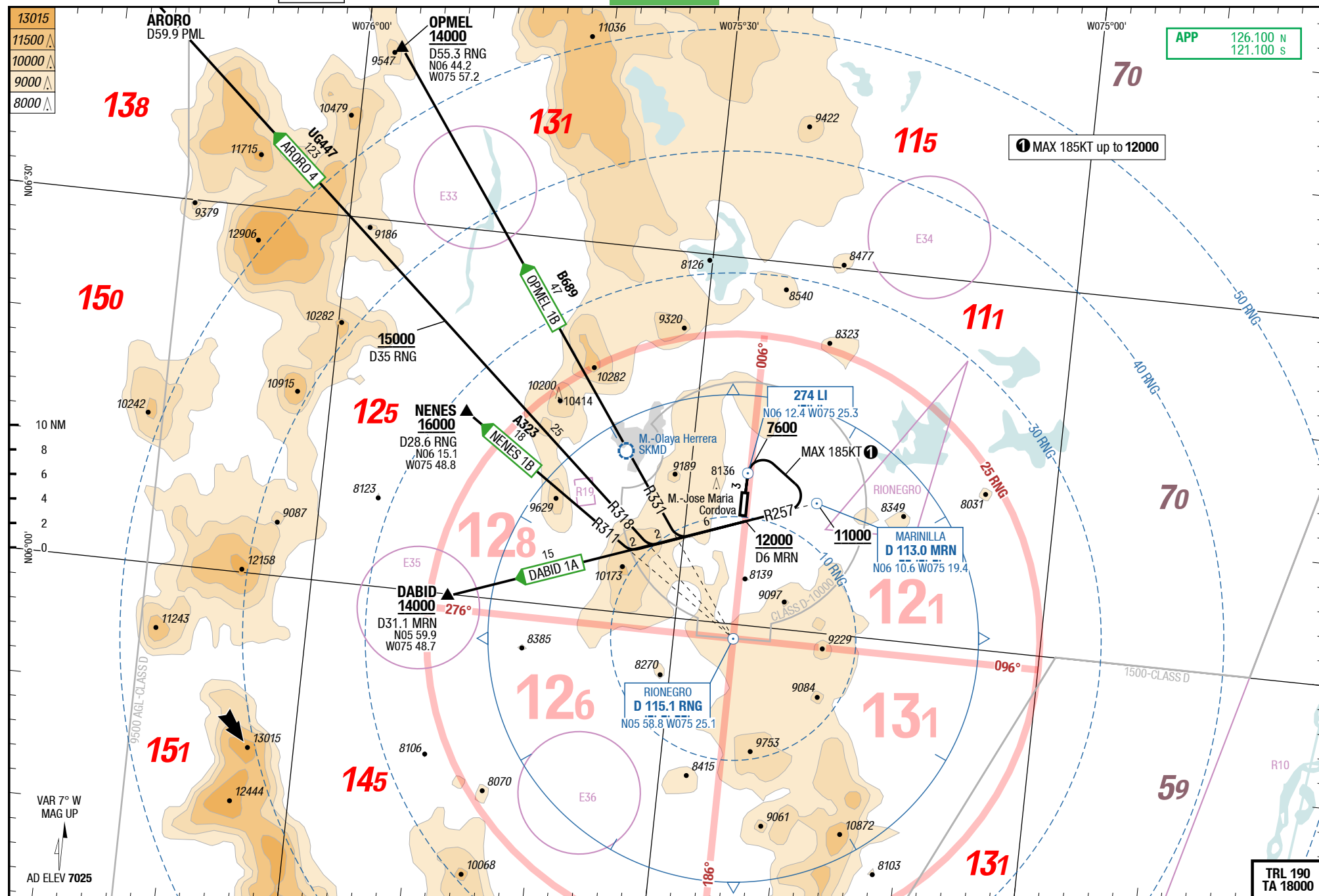
SID

SID

Jose Maria Cordova **Medellin/Rionegro** Colombia

BIVIG 2A/KORBA 1B/LATIS 1A/MRN 5B

ARORO 4/DABID 1A/NENES 1B/OPMEL 1B



Changes: OBST

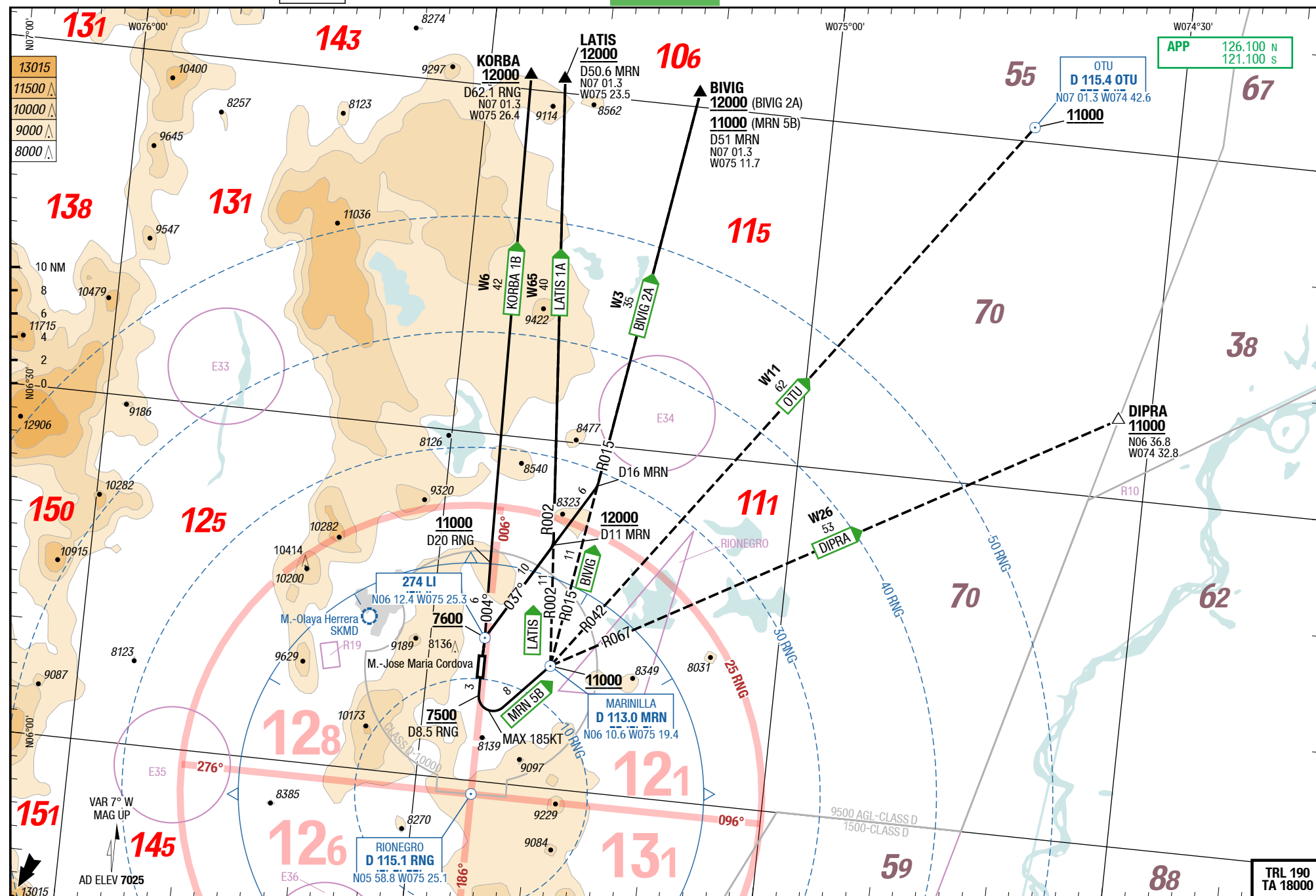
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4-60 BIVIG 2A/KORBA 1B/LATIS 1A/MRN 5B

SID

SID

BIVIG 2A/KORBA 1B/LATIS 1A/MRN 5B



Changes: OBST

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NIL

4-70

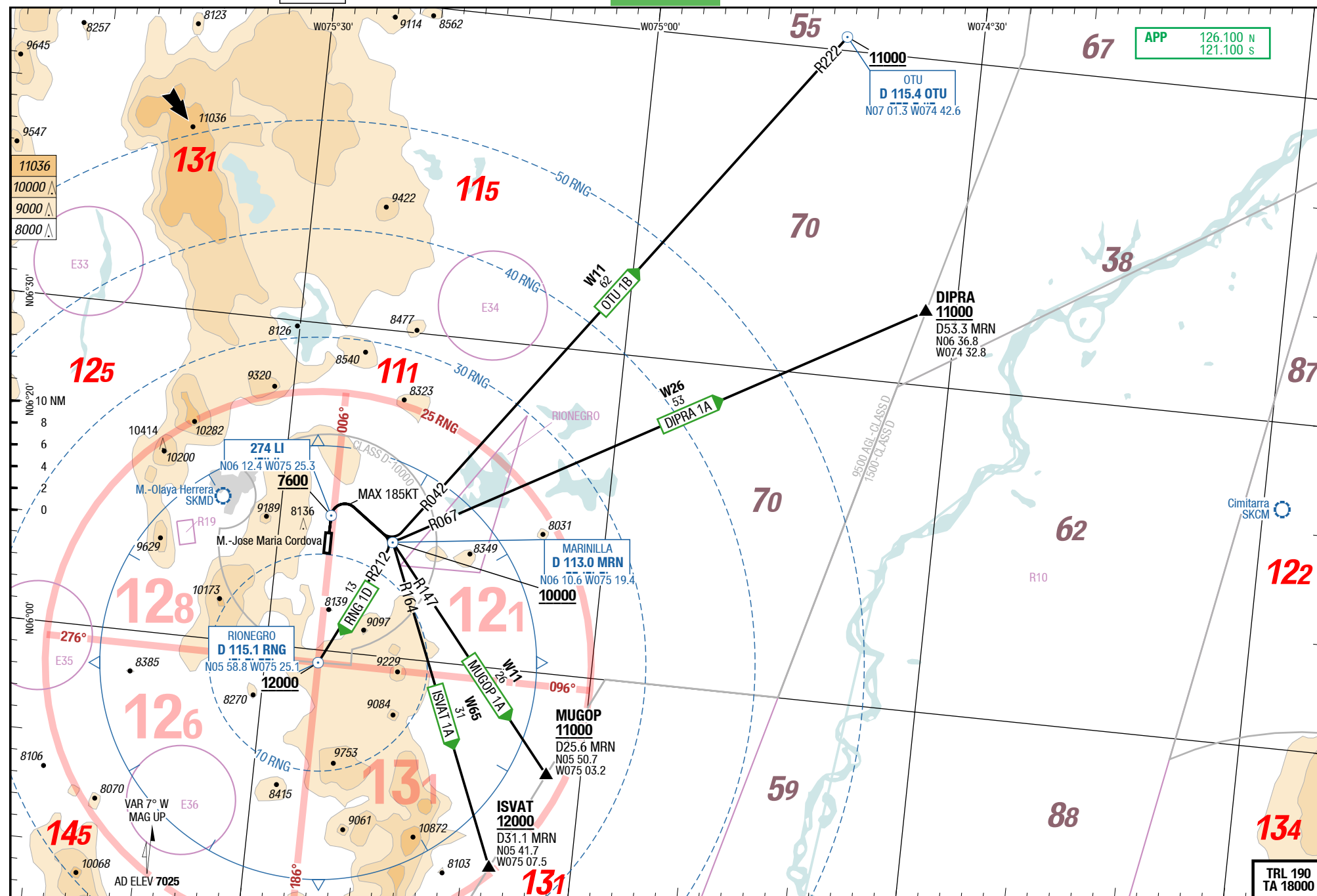
DIPRA 1A/ISVAT 1A/MUGOP 1A/OTU 1B/RNG 1D

SID

SID

NIL

DIPRA 1A/ISVAT 1A/MUGOP 1A/OTU 1B/RNG 1D



Changes: OBST

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SIDPT

MDE-SKRG**5-10****RNAV SIDs RWY 01 North****BIVIG 1B / DIPRA 1C / KORBA 1C / LATIS 1B / OTU 1C / TEDON 1B**

RWY 01 (006°)

	GS	120	150	180	210	240	270
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
BIVIG 1B 6.0% to 12000 126.100	DCT KOXEV [K185-] - SIREV - XONUD - BIVIG	KOXEV MNM 7560 SIREV MNM 10000 XONUD MNM 12000 BIVIG MNM 12000
DIPRA 1C 6.0% to 12000 126.100	DCT KOXEV [K185-] - SIREV - DIPRA	KOXEV MNM 7560 SIREV MNM 10000 DIPRA MNM 12000
KORBA 1C 6.0% to 12000 126.100	DCT KOXEV [K185-] - SIREV - XONUD - KORBA	KOXEV MNM 7560 SIREV MNM 10000 XONUD MNM 12000 KORBA MNM 12000
LATIS 1B 6.0% to 12000 126.100	DCT KOXEV [K185-] - SIREV - XONUD - LATIS	KOXEV MNM 7560 SIREV MNM 10000 XONUD MNM 12000 LATIS MNM 12000
OTU 1C 6.0% to 12000 126.100	DCT KOXEV [K185-] - SIREV - OTU	KOXEV MNM 7560 SIREV MNM 10000 OTU MNM 12000
TEDON 1B 6.0% to 12000 126.100	DCT KOXEV [K185-] - SIREV - XONUD - TEDON	KOXEV MNM 7560 SIREV MNM 10000 XONUD MNM 12000 TEDON MNM 13000

Changes: Climb gradient

22-MAR-2018

MDE-SKRG**5-20****RNAV SIDs RWY 01 South****ISVAT 2B / MUGOP 2B / RIONEGRO 2B**

RWY 01 (006°)

	GS	120	150	180	210	240	270
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
ISVAT 2B 6.0% to 12000 121.100	DCT <u>KOXEV</u> [K185-] - DCT <u>MRN</u> [K185-] - ISVAT	KOXEV MNM 7560 MRN MNM 10000 ISVAT MNM 12000
MUGOP 2B 6.0% to 12000 121.100	DCT <u>KOXEV</u> [K185-] - DCT <u>MRN</u> [K185-] - MUGOP	KOXEV MNM 7560 MRN MNM 10000 MUGOP MNM 11000
RIONEGRO 2B RNG 2B 6.0% to 12000 121.100	DCT <u>KOXEV</u> [K185-] - DCT <u>MRN</u> [K185-] - RNG	KOXEV MNM 7560 MRN MNM 10000 RNG MNM 12000

Changes: Climb gradient

22-MAR-2018

MDE-SKRG**5-30****RNAV SIDs RWY 01 West****BUTAL 2A / DABID 2B / KOTIN 2A / OPMEL 2C**

RWY 01 (006°)

	GS	120	150	180	210	240	270
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
BUTAL 2A 6.0% to 12000 126.100 (N) 121.100 (S)	DCT KOXEV - GEBAG - BUTAL	KOXEV MNM 7560 GEBAG MNM 12000 BUTAL MNM 12000
DABID 2B 6.0% to 12000 126.100 (N) 121.100 (S)	DCT KOXEV - GEBAG - ANDAP - DABID	KOXEV MNM 7560 GEBAG MNM 12000 ANDAP MNM 13000 DABID MNM 14000
KOTIN 2A 6.0% to 12000 126.100 (N) 121.100 (S)	DCT KOXEV - GEBAG - ANDAP - TIVBI - KOTIN	KOXEV MNM 7560 GEBAG MNM 12000 ANDAP MNM 13000 TIVBI MNM 15000 KOTIN MNM 16000
OPMEL 2C 6.0% to 12000 126.100 (N) 121.100 (S)	DCT KOXEV - GEBAG - ANDAP - OPMEL	KOXEV MNM 7560 GEBAG MNM 12000 ANDAP MNM 13000 OPMEL MNM 14000

Changes: Climb gradient

22-MAR-2018

MDE-SKRG**5-40****RNAV SIDs RWY 19****SIDPT****DABID 1C / ISVON 1B / VULRI 1A**

RWY 19 (186°)

	GS	120	150	180	210	240	270
7.3%	ft/MIN	900	1200	1400	1600	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
DABID 1C 7.3% to 12000 121.100	DCT UMGAX [K185-] - SAPMA - DABID	UMGAX MNM 9200 SAPMA MNM 12000 DABID MNM 14000
ISVON 1B 7.3% to 12000 121.100	DCT UMGAX [K185-] - SAPMA - ISVON	UMGAX MNM 9200 SAPMA MNM 12000 ISVON MNM 12000
VULRI 1A 7.3% to 12000 121.100	DCT UMGAX [K185-] - SAPMA - VULRI	UMGAX MNM 9200 SAPMA MNM 12000 VULRI MNM 13000

Changes: Nil

22-MAR-2018

Colombia **Medellin/Rionegro** Jose Maria Cordova**MDE-SKRG****5-50****ARORO 4/DABID 1A/NENES 1B/OPMEL 1B****SIDPT****ARORO 4 / DABID 1A / NENES 1B / OPMEL 1B**

RWY 01 (006°)

	GS	120	150	180	210	240	270
6.3%	ft/MIN	800	1000	1200	1400	1600	1800

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
ARORO 4 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 MRN MNM 11000 D6 MRN MNM 12000 D35 RNG MNM 15000
DABID 1A 6.3% to 12000 121.100	No procedure text published	LI MNM 7600 MRN MNM 11000 D6 MRN MNM 12000 DABID MNM 14000
NENES 1B 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 MRN MNM 11000 D6 MRN MNM 12000 NENES MNM 16000
OPMEL 1B 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 MRN MNM 11000 D6 MRN MNM 12000 OPMEL MNM 14000

Changes: Climb gradient

22-MAR-2018

Colombia **Medellin/Rionegro** Jose Maria Cordova

SIDPT

MDE-SKRG**5-60****BIVIG 2A/KORBA 1B/LATIS 1A/MRN 5B****BIVIG 2A / KORBA 1B / LATIS 1A / MRN 5B**

RWYs 01 (006°) / 19 (186°)

	GS	120	150	180	210	240	270
5.7%	ft/MIN	700	900	1100	1300	1400	1600
6.3%	ft/MIN	800	1000	1200	1400	1600	1800

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
BIVIG 2A 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 D11 MRN MNM 12000 BIVIG MNM 12000
KORBA 1B 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 D20 RNG MNM 11000 KORBA MNM 12000
LATIS 1A 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 D11 MRN MNM 12000 LATIS MNM 12000
	Runway 19	
MRN 5B 5.7% to 11000 121.100	No procedure text published	D8.5 RNG MNM 7500 MRN MNM 11000
	TRANSITION	
	BIVIG No procedure text published	BIVIG MNM 11000
	DIPRA No procedure text published	DIPRA MNM 11000
	LATIS No procedure text published	LATIS MNM 12000
	OTU No procedure text published	OTU MNM 11000

Changes: Climb gradient

22-MAR-2018

Colombia **Medellin/Rionegro** Jose Maria Cordova**MDE-SKRG****5-70**

DIPRA 1A/ISVAT 1A/MUGOP 1A/OTU 1B/RNG 1D

SIDPT**DIPRA 1A / ISVAT 1A / MUGOP 1A / OTU 1B / RIONEGRO 1D**

RWY 01 (006°)

	GS	120	150	180	210	240	270
6.3%	ft/MIN	800	1000	1200	1400	1600	1800

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
DIPRA 1A 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 MRN MNM 10000 DIPRA MNM 11000
ISVAT 1A 6.3% to 12000 121.100	No procedure text published	LI MNM 7600 MRN MNM 10000 ISVAT MNM 12000
MUGOP 1A 6.3% to 12000 121.100	No procedure text published	LI MNM 7600 MRN MNM 10000 MUGOP MNM 11000
OTU 1B 6.3% to 12000 126.100	No procedure text published	LI MNM 7600 MRN MNM 10000 OTU MNM 11000
RIONEGRO 1D RNG 1D 6.3% to 12000 121.100	No procedure text published	LI MNM 7600 MRN MNM 10000 RNG MNM 12000

Changes: Climb gradient

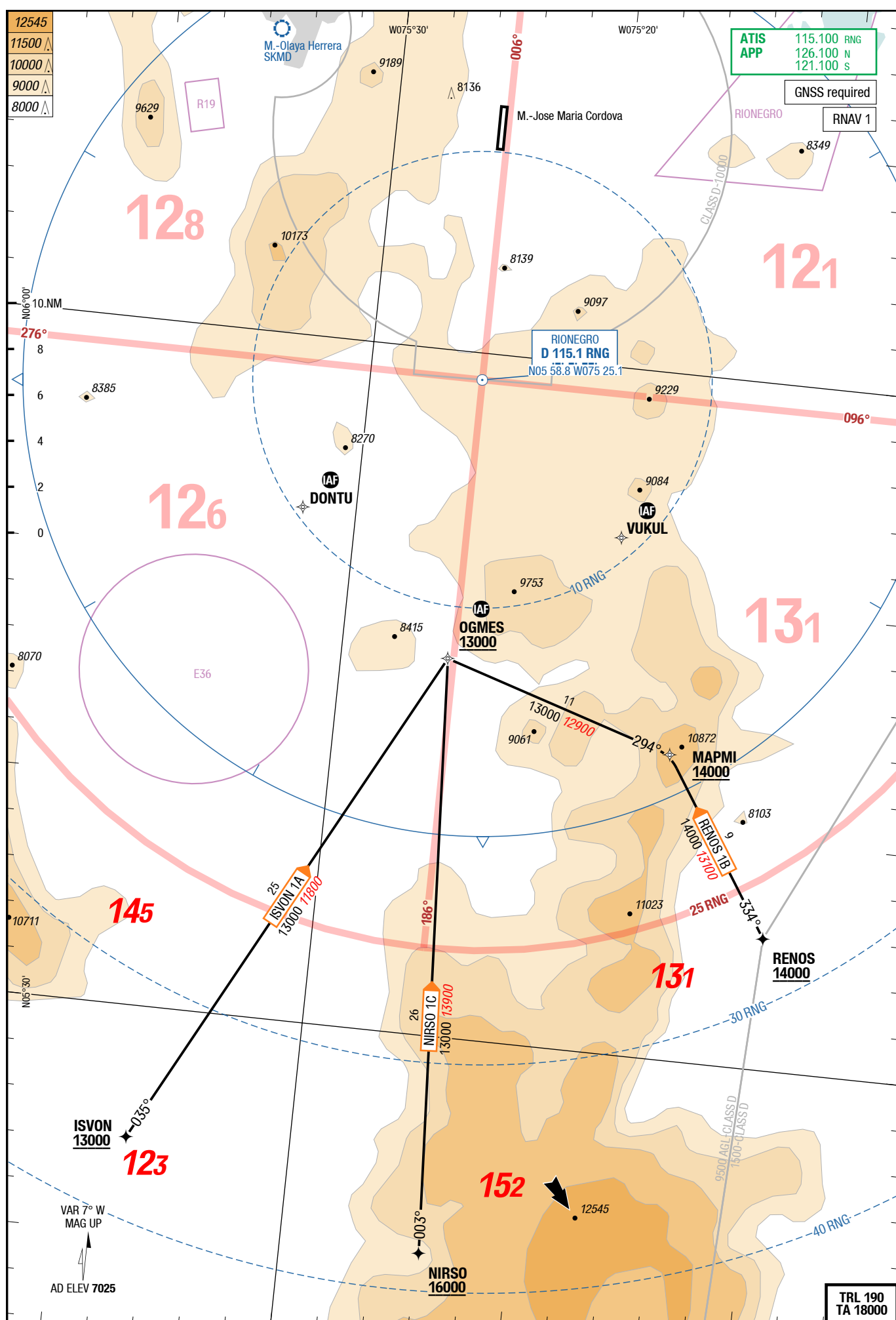
MDE-SKRG

RNAV STARS RWY 01 S/NW
RNAV STARS RWY 01 South
 6-10

STAR

STAR

RNAV STARS RWY 01 South



22-MAR-2018

MDE-SKRG

Colombia Medellin/Rionegro Jose Maria Cordova

6-20

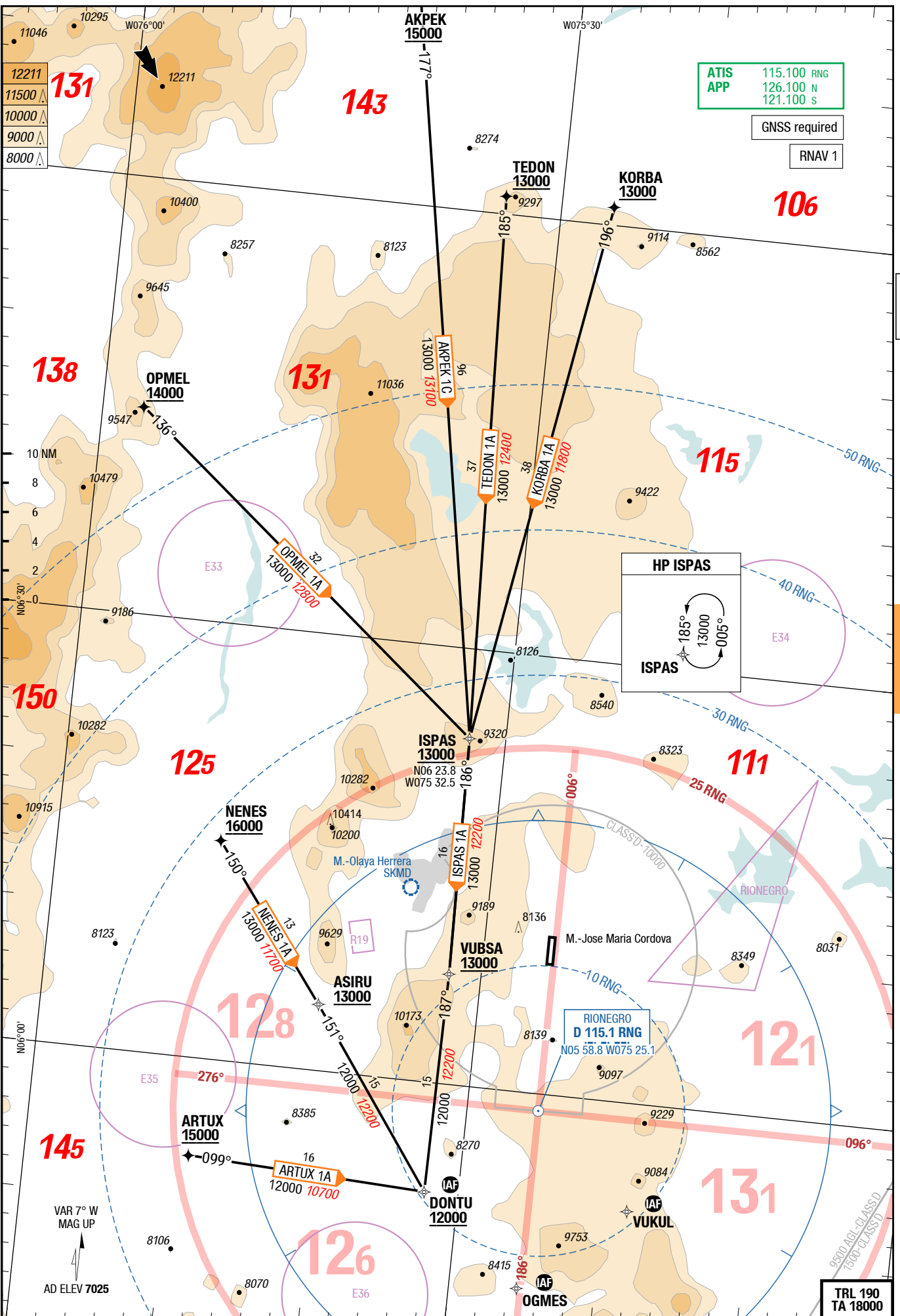
RNAV STARS RWY 01 S/NW

STAR

STAR

Jose Maria Cordova Medellin/Rionegro Colombia

RNAV STARS RWY 01 S/NW



22-MAR-2018

MDE-SKRG

Colombia **Medellin/Rionegro** Jose Maria Cordova

MARINILLA 7A/RIONEGRO 2C

6-30

RNAV STARs RWY 01 S/NE

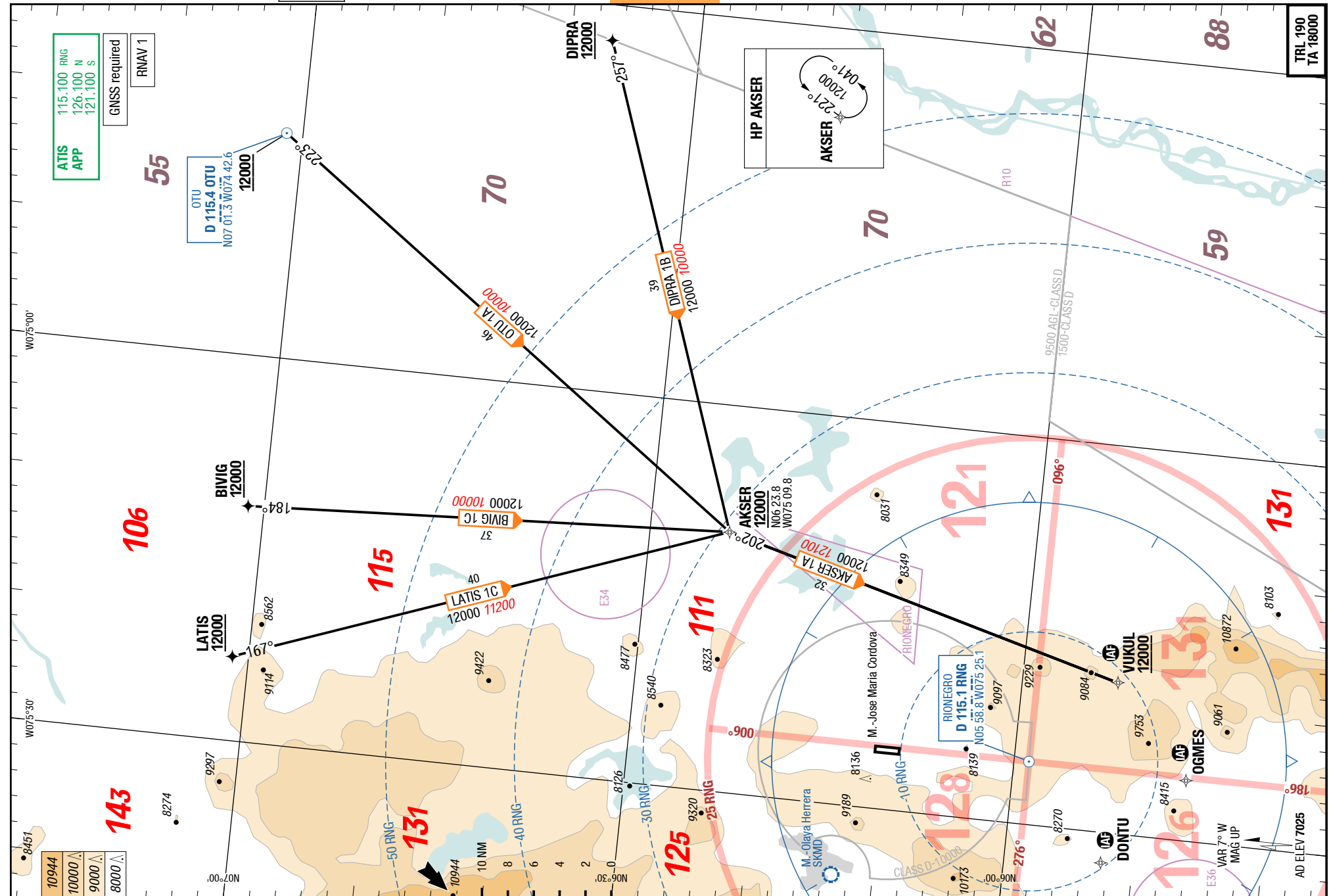
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STAR

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MARINILLA 7A/RIONEGRO 2C

RNAV STARs RWY 01 S/NE



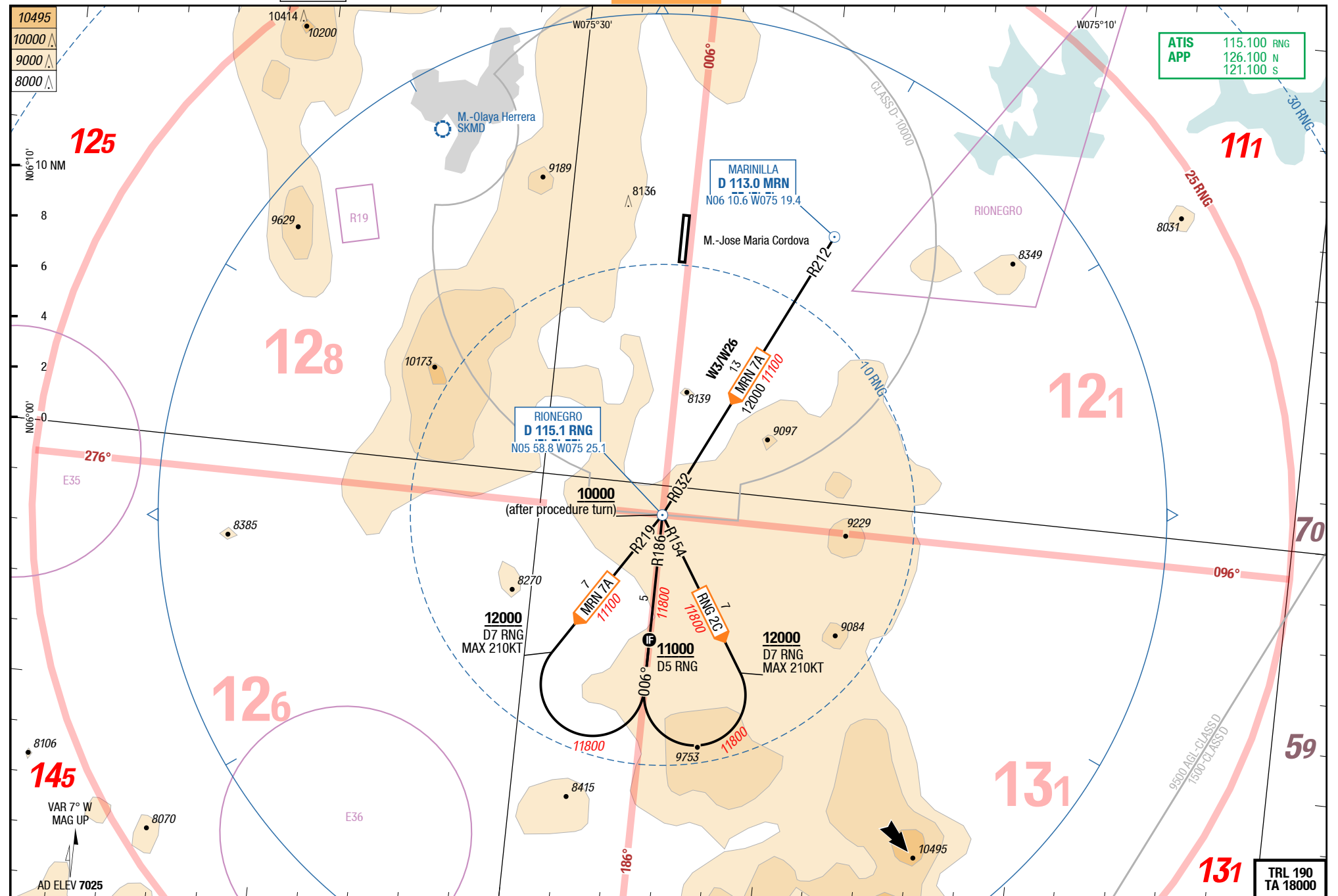
Changes: OBST

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6-40	MARINILLA 7A/RIONEGRO 2C
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STAR

STAR

MARINILLA 7A/RIONEGRO 2C

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NIL

6-50

MATRO 3A/NIRSO 2A/RENOS 1A

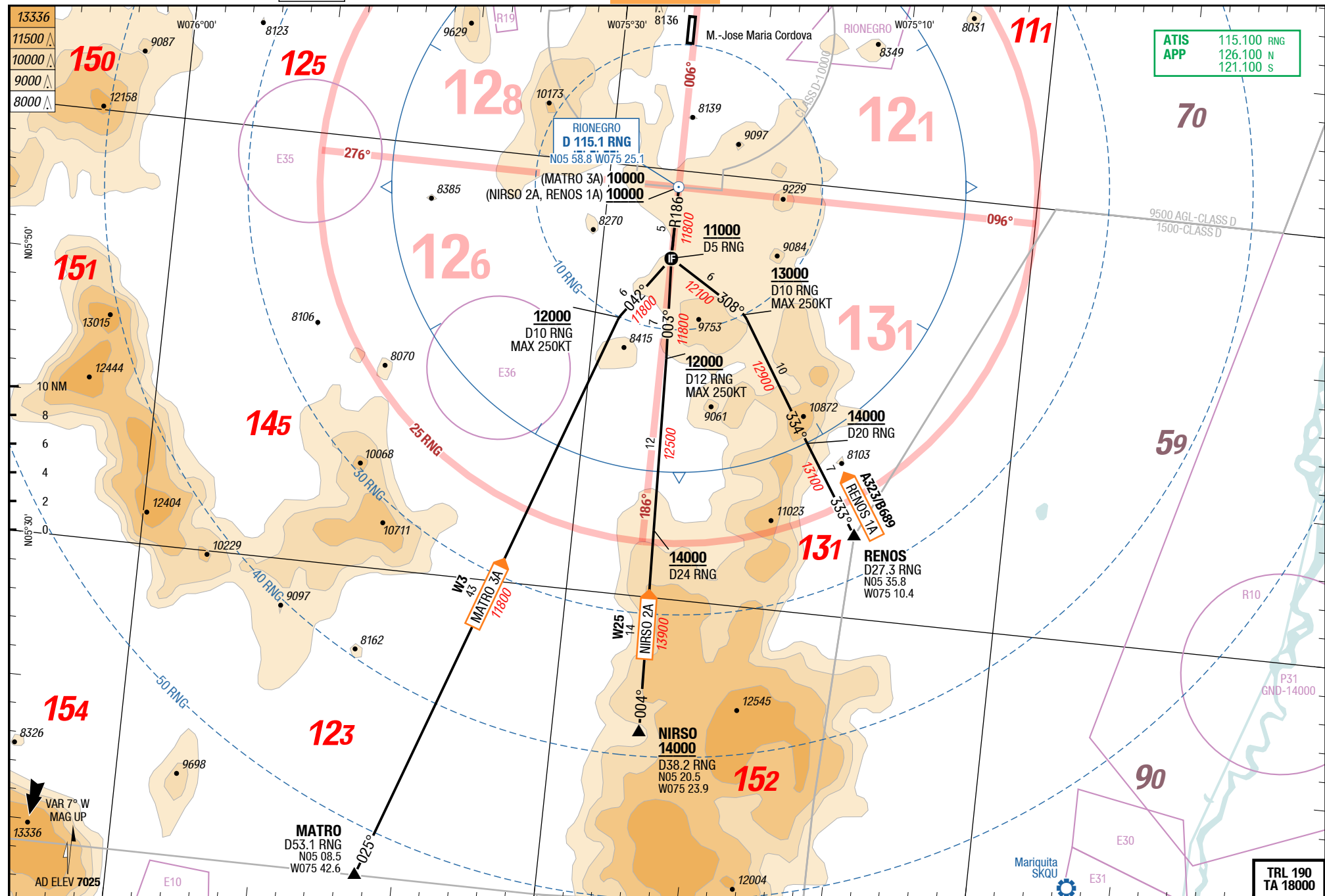
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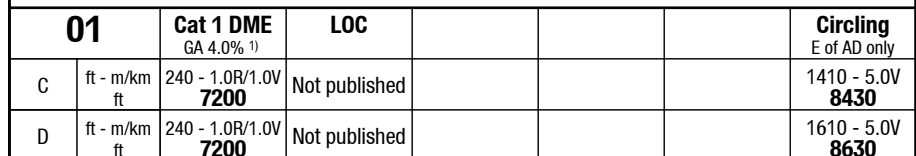
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MATRO 3A/NIRSO 2A/RENOS 1A



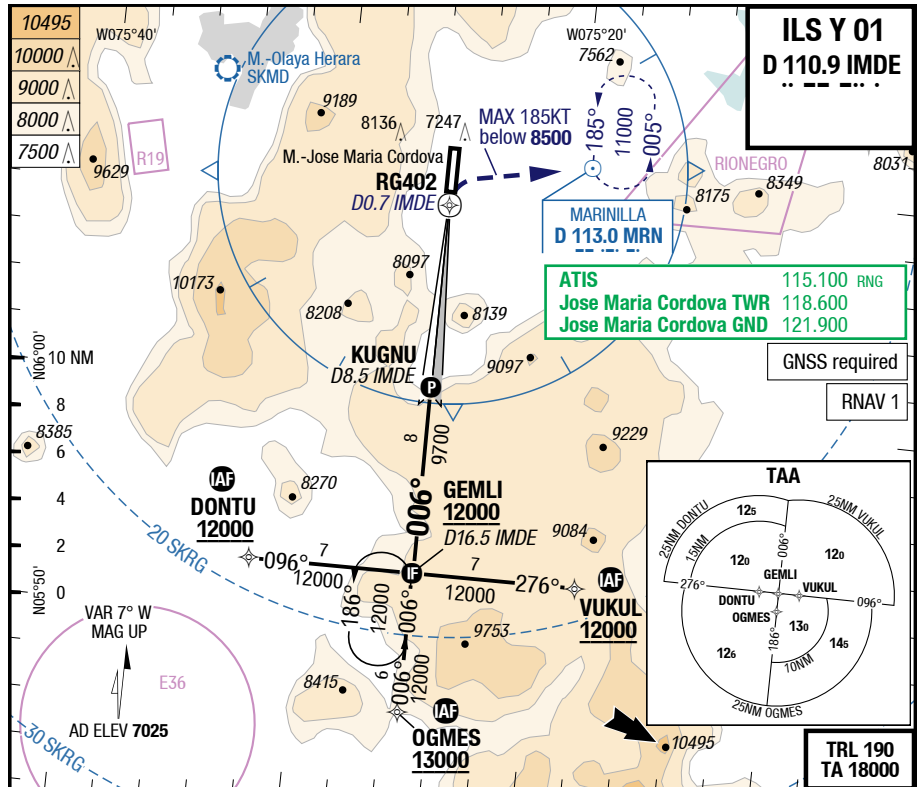
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ILS Z 01



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MDE-SKRG**7-20****ILS Y 01**

D IMDE	15.8	11	7	5	3	1
	12000	10480	9210	8570	7940	7300

01

83.0°

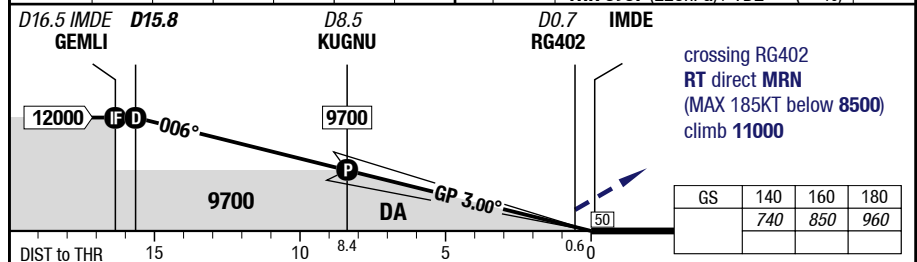
83.0°

3440 x 45

60 L

L

L-P1 **THR 6967** (226hPa) / TDZ --- (---%) +0.5%



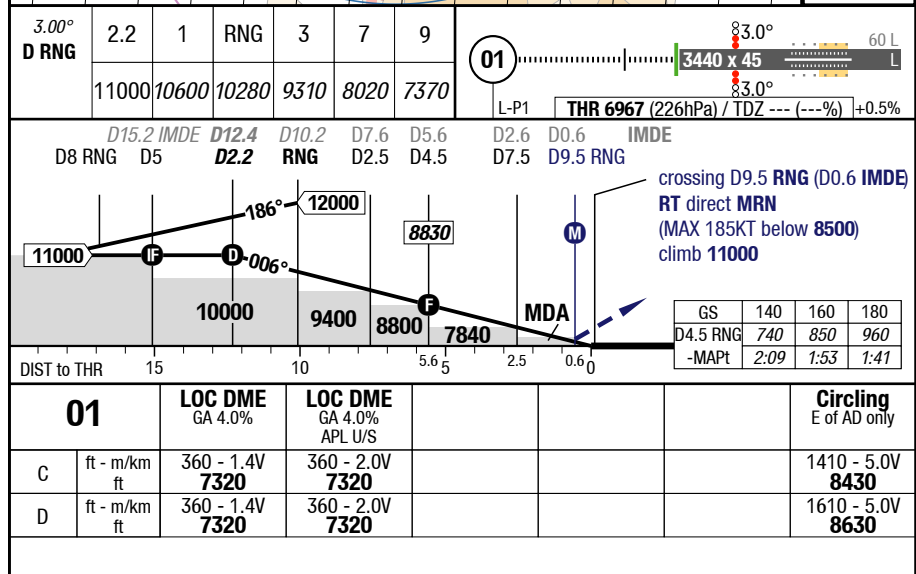
01	Cat 1 GA 4.0% 1)	LOC				Circling E of AD only
C	ft - m/km ft	240 - 1.0R/1.0V 7200	Not published			1410 - 5.0V 8430
D	ft - m/km ft	240 - 1.0R/1.0V 7200	Not published			1610 - 5.0V 8630

1) With EVS RVR 650m/ VIS 800m

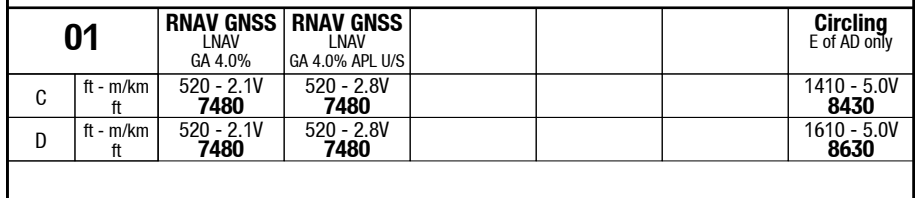
Changes: OBST

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LOC 01



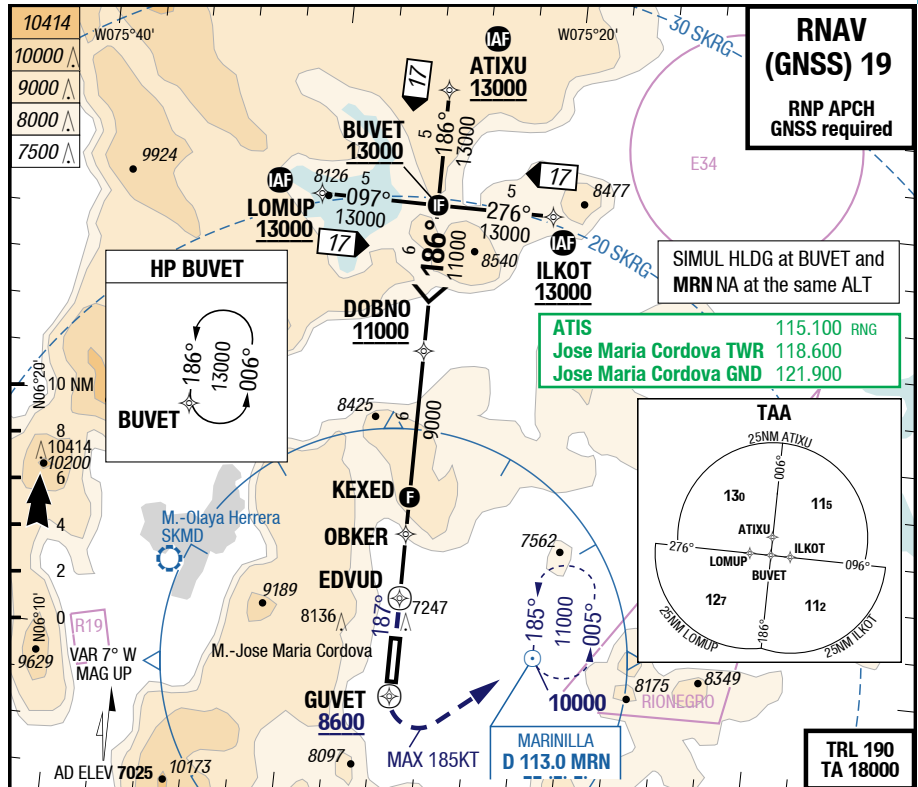
RNAV (GNSS) 01



22-MAR-2018

MDE-SKRG

7-60

RNAV (GNSS) 19

60 L 3.0° 8 45 x 3440 3.0° 8		1	3	5	7	9	10.6	3.00°
-0.5% TDZ --- (---%) / THR 7025 (227hPa)		7950	8590	9230	9860	10500	11000	EDVUD
186° to GUVET (MNM 8600) LT (MAX 185KT) to MRN (at 10000) climb 11000		EDVUD 2.7 4.3 OBKER KEXED						10.6 EDVUD DOBNO
GS 140 160 180 KEXED 740 850 960 -MAPt 1:51 1:37 1:27		MDA 8500 9000 11000						EDVUD N06 12.6 W075 25.4
19		RNAV GNSS LNAV GA 4.0%						Circling E of AD only
C	ft - m/km	610 - 3.2V 7630						1410 - 5.0V 8430
	ft - m/km	610 - 3.2V 7630						1610 - 5.0V 8630

Changes: OBST

22-MAR-2018
MDE-SKRG

Colombia **Medellin/Rionegro** Jose Maria Cordova

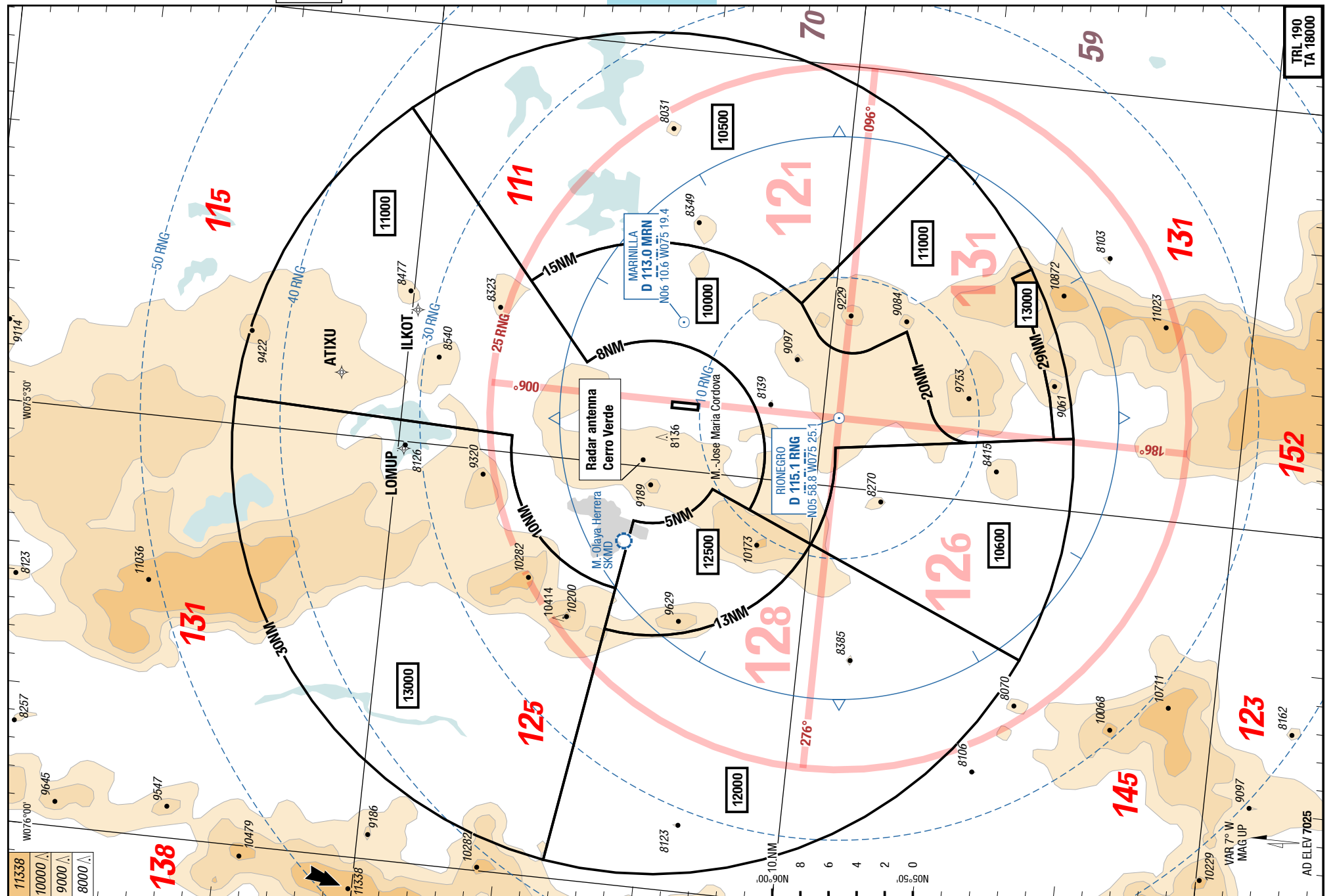
NIL
MRC

MRC

MRC

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NIL
MRC



Changes: OBST

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