

GENERAL**Operational Hours****ATS Hours:** H24**Airport Information****RFF:** CAT 6**PCN:** RWY 10/28: 49/F/A/W/T**Customs:** Not published**Operation****Engine Run-up Area**

Engine run-up shall be performed on TWY B, nosing north. Previous COOR with ATS.

Warnings

Slipper RWY in wet surface conditions between 2500-2700m / 8202-8858ft from THR 10.

Birds in vicinity of AD.

ARRIVAL**Warnings****PAPI RWY 28** restricted to 8° left of RWY.**DEPARTURE****Take-off Minima**

RWY		10/28		
Multi ENG	ft - m/km	0 - 400V	HJ only	For conditions check CRAR
		0 - 800V	HN	

Effective 16-AUG-2018

09-AUG-2018

CJC-SCCF

Chile Calama El Loa

AGC

AFC

AFC

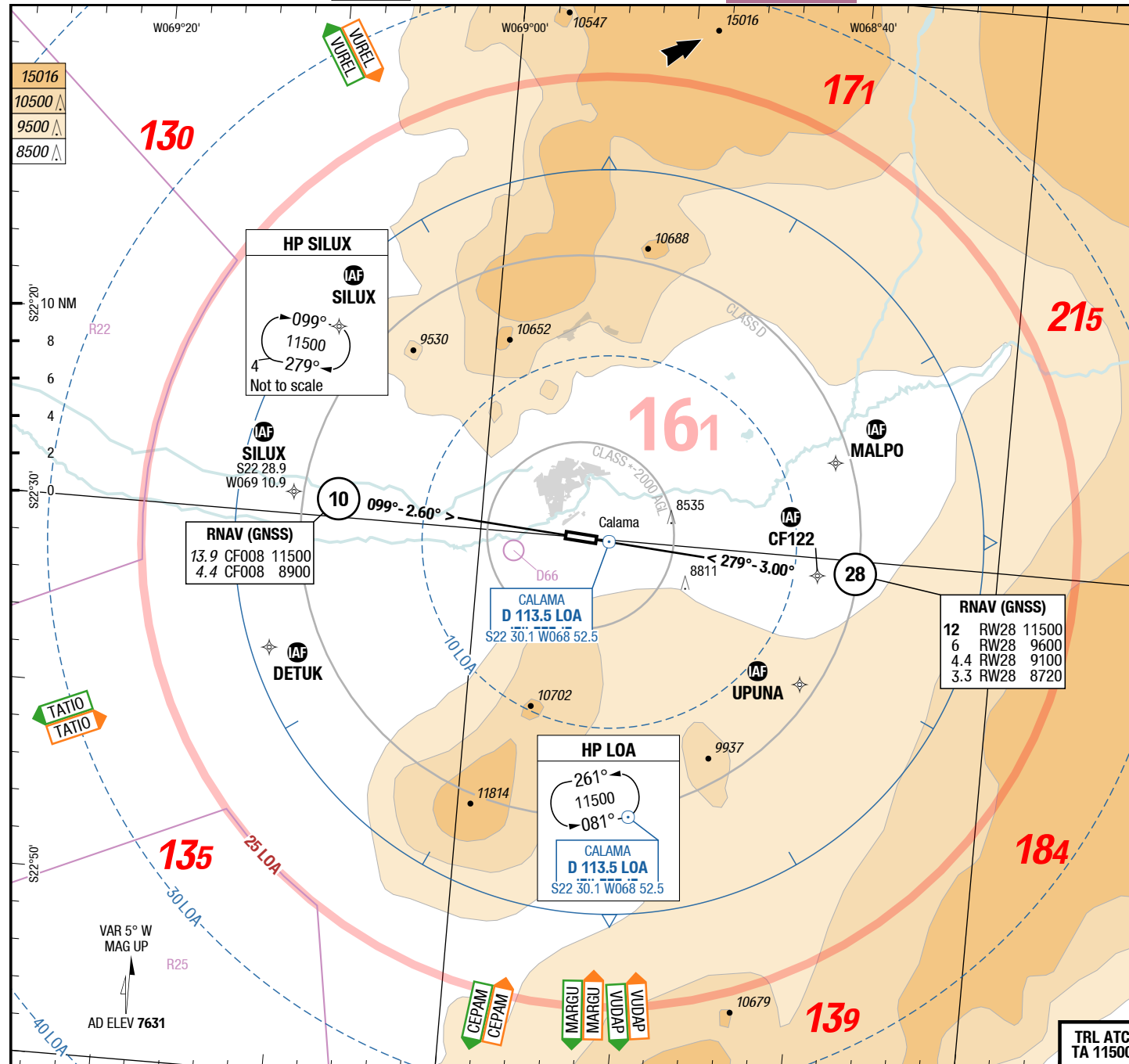
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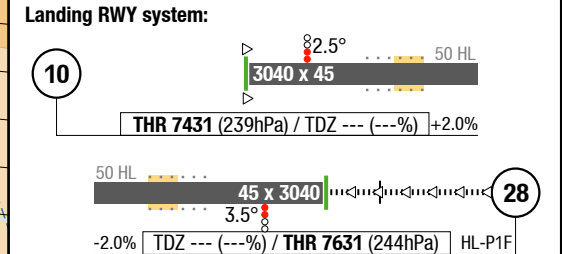
AGC

AFC

2-10



Antofagasta RAD	120.900	Mon-Fri 1100-0315± Sat 1100-2315± Sun 1300-0315±
TWR	118.700	Mon-Fri 1100-0315± Sat 1100-2315± Sun 1300-0315±
GND	121.800	Mon-Fri 1100-0315± Sat 1100-2315± Sun 1300-0315±



Changes: WPT , PROC renamed, HLDG

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AGC

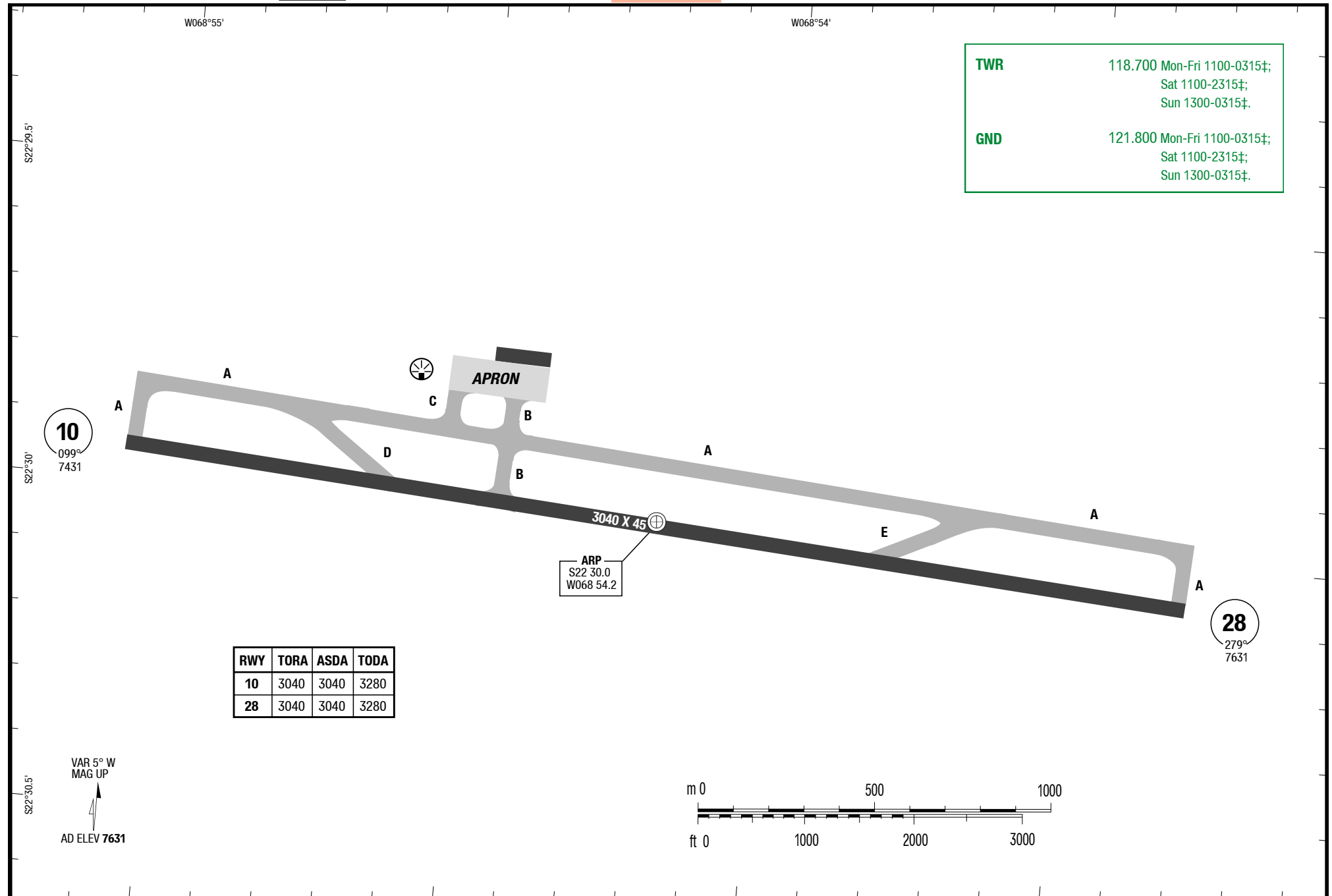
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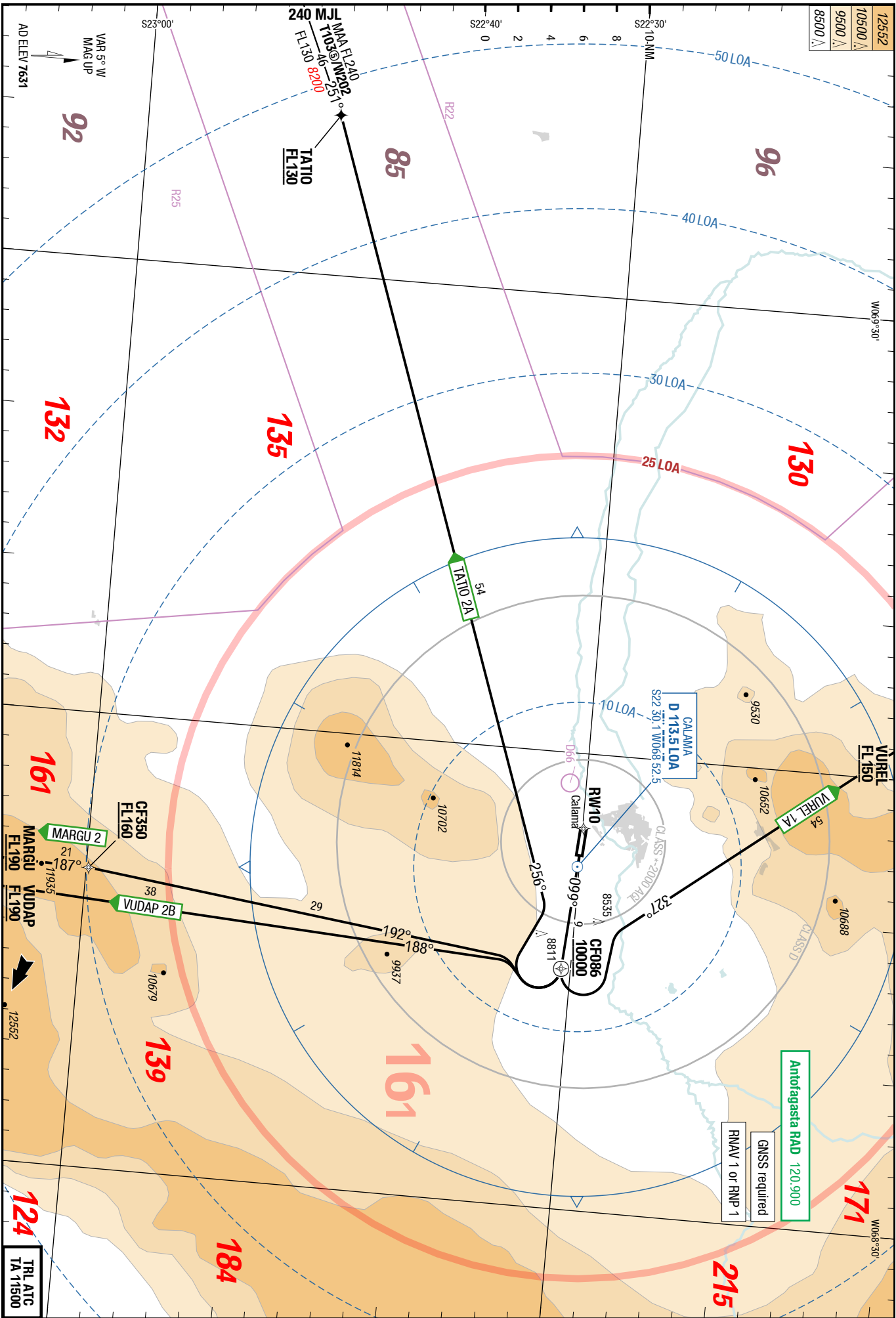
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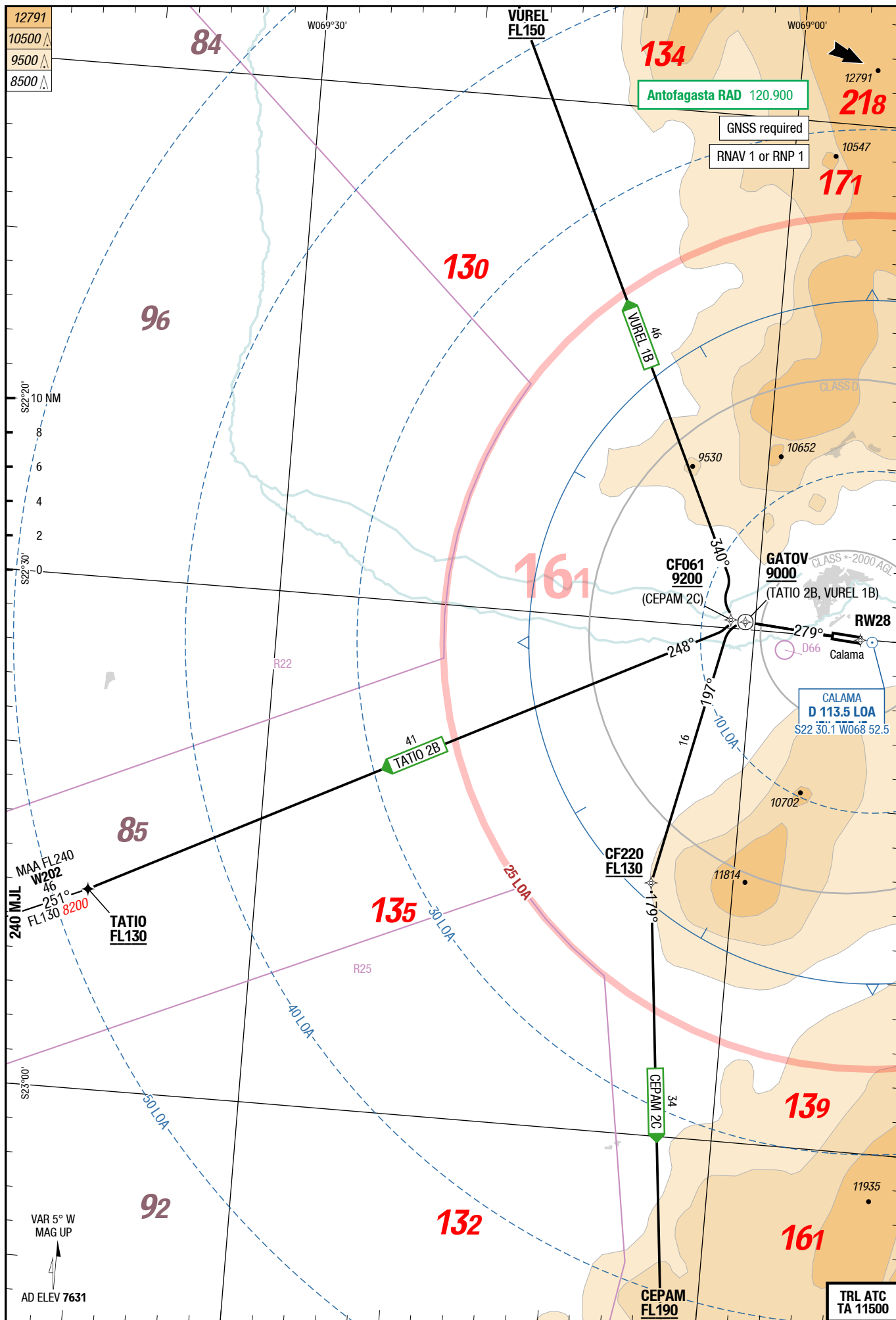
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3-20



Changes: Nil

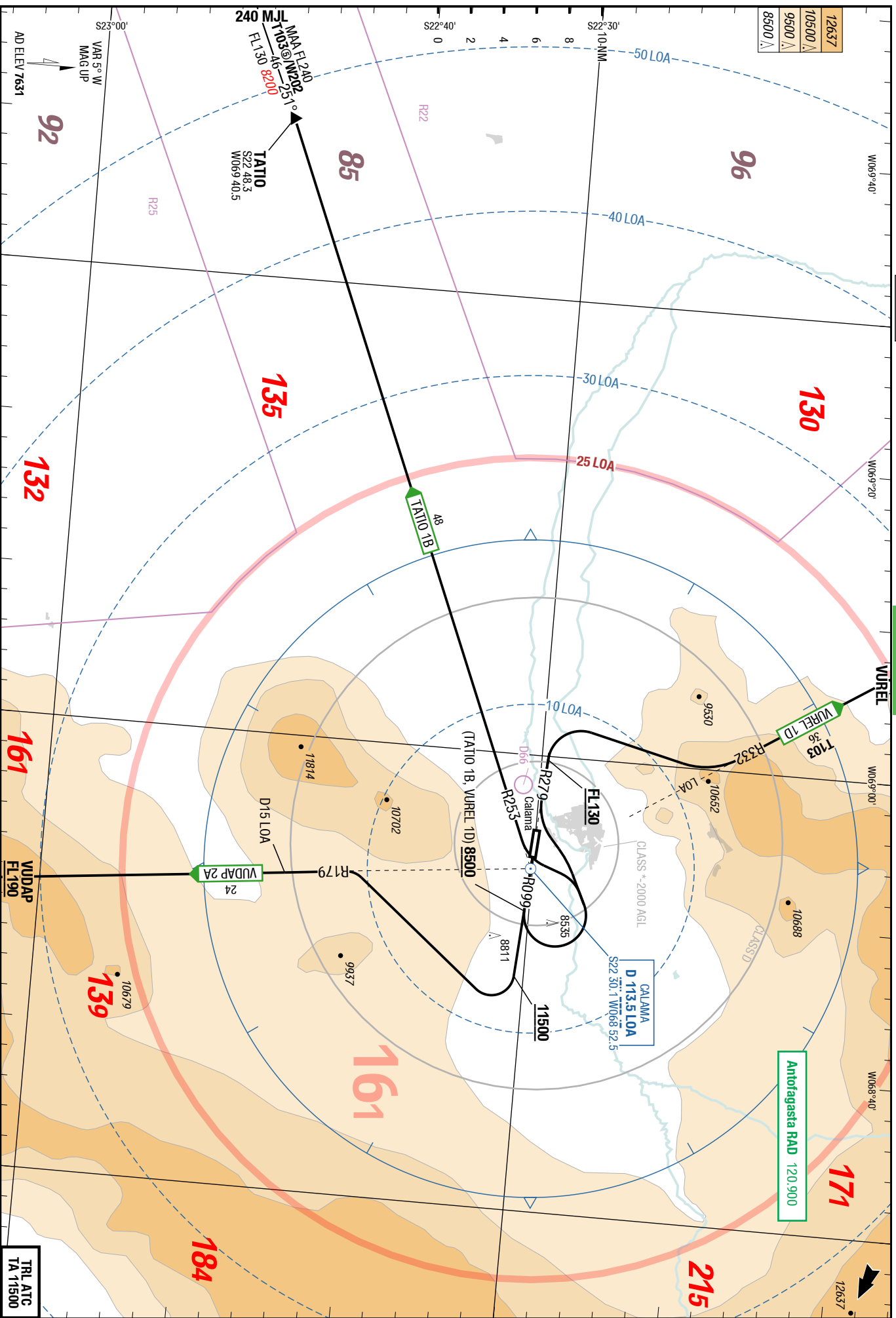


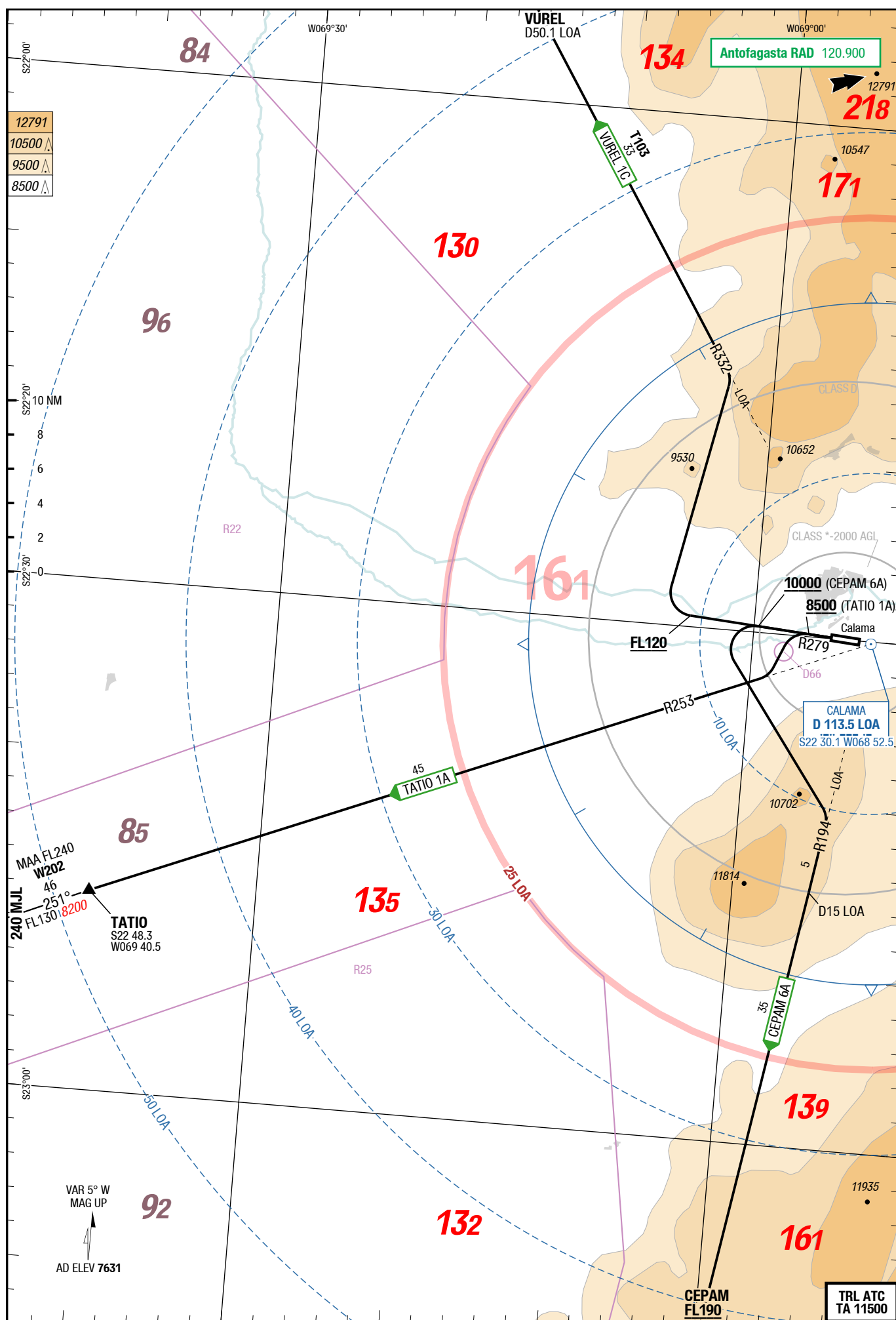


El Loa **Calama** Chile

SIDs RWY 28

SIDS RWY 10





MARGU 2 / TATIO 2A / VUDAP 2B / VUREL 1A

RWY 10 (099°)

	GS	120	150	180	210	240	270
4.9%	ft/MIN	600	800	900	1100	1200	1400
5.6%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 10	
MARGU 2 5.6% to 11500 120.900	RW10 - <u>CF086</u> - CF350 - MARGU	CF086 MNM 10000 CF350 MNM FL160 MARGU MNM FL190
TATIO 2A 5.6% to CF086 4.9% to TATIO 120.900	RW10 - <u>CF086</u> [R] - TATIO	CF086 MNM 10000 TATIO MNM FL130
VUDAP 2B 5.6% to CF086 120.900	RW10 - <u>CF086</u> - VUDAP	CF086 MNM 10000 VUDAP MNM FL190
VUREL 1A 5.6% to CF086 4.9% to VUREL 120.900	RW10 - <u>CF086</u> - VUREL	CF086 MNM 10000 VUREL MNM FL150

CEPAM 2C / TATIO 2B / VUREL 1B

RWY 28 (279°)

	GS	120	150	180	210	240	270
4.9%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 28	
CEPAM 2C 4.9% to FL150 120.900	RW28 - CF061 - CF220 - CEPAM	CF061 MNM 9200 CF220 MNM FL130 CEPAM MNM FL190
TATIO 2B 4.9% to GATOV 120.900	RW28 - <u>GATOV</u> - TATIO	GATOV MNM 9000 TATIO MNM FL130
VUREL 1B 4.9% to VUREL 120.900	RW28 - <u>GATOV</u> - VUREL	GATOV MNM 9000 VUREL MNM FL150

TATIO 1B / VUDAP 2A / VUREL 1D

RWY 10 (099°)

	GS	120	150	180	210	240	270
4.8%	ft/MIN	600	800	900	1100	1200	1400
5.6%	ft/MIN	700	900	1100	1200	1400	1600

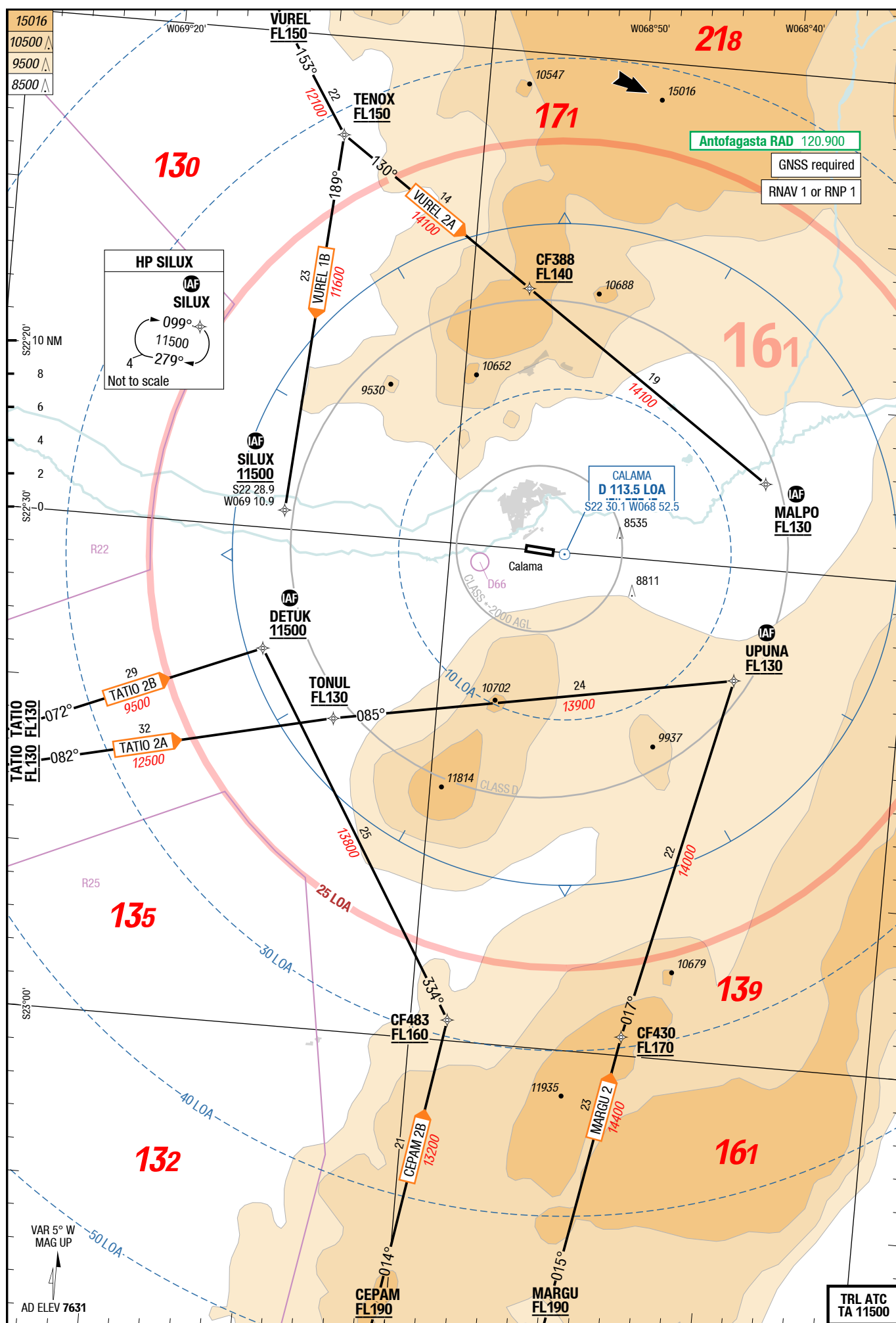
DESIGNATOR	ROUTING	ALTITUDES
	Runway 10	
TATIO 1B 5.6% till complete first turn 120.900	intercept R099 LOA - at MNM 8500 LT direct LOA - R253 LOA to intercept AWY T103 / W202 to TATIO	
VUDAP 2A 5.6% to 11500 4.8% to FL190 120.900	intercept R099 LOA - at MNM 11500 RT - intercept R179 LOA (within D15 LOA) to VUDAP	VUDAP MNM FL190
VUREL 1D 5.6% to 11500 4.8% to FL190 120.900	intercept R099 LOA - at MNM 8500 LT - intercept R279 LOA - at MNM FL130 RT - intercept R332 LOA / AWY T103 to VUREL	

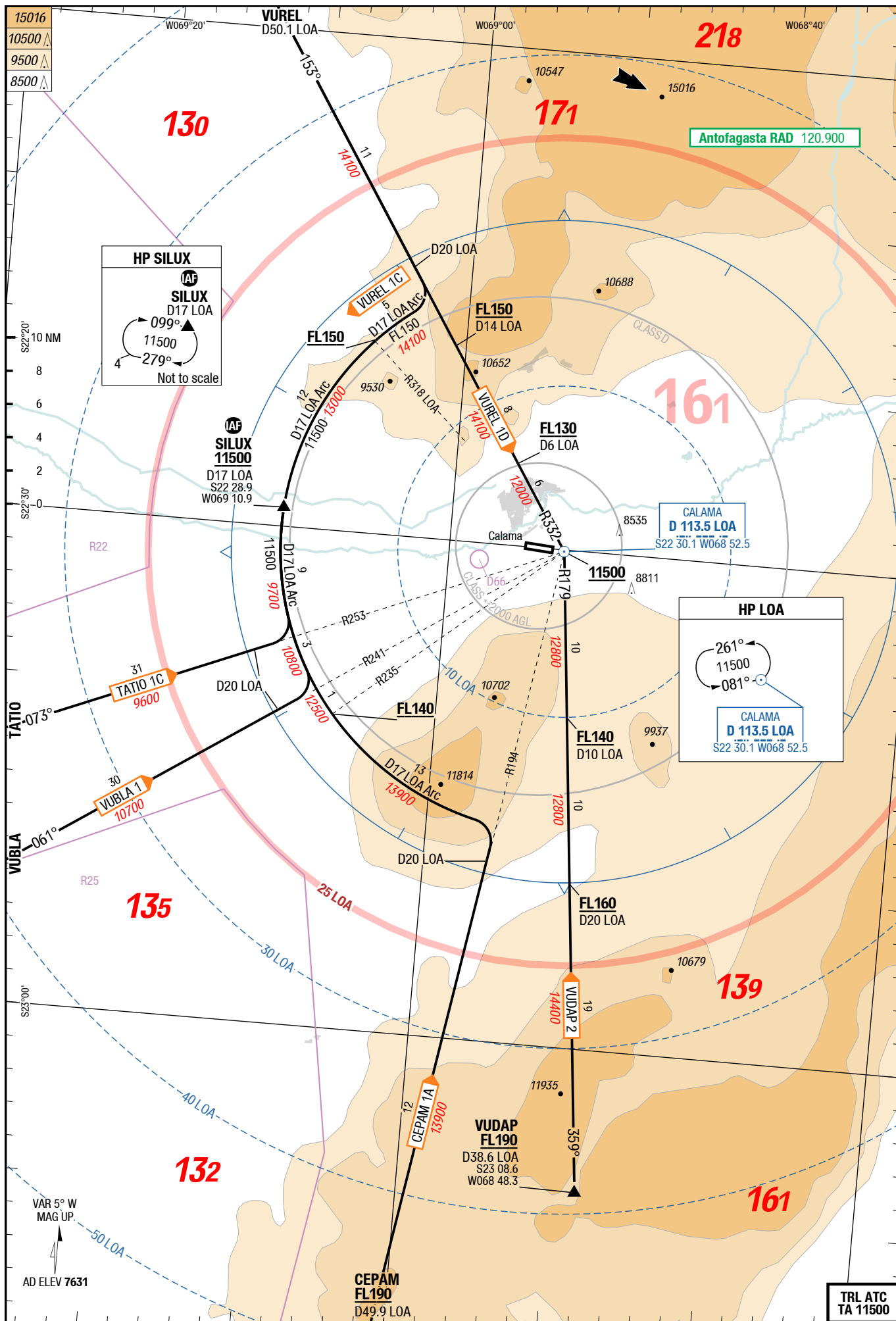
CEPAM 6A / TATIO 1A / VUREL 1C

RWY 28 (279°)

	GS	120	150	180	210	240	270
4.9%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 28	
CEPAM 6A 4.9% to FL190 120.900	intercept R279 LOA - at MNM 10000 LT - intercept R194 LOA (within D15 LOA) to CEPAM	CEPAM MNM FL190
TATIO 1A 120.900	intercept R279 LOA - at MNM 8500 LT intercept R253 LOA / AWY T103 / AWY W202 to TATIO	
VUREL 1C 120.900	intercept R279 LOA - at MNM FL120 RT - intercept R332 LOA to VUREL	





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7-10

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RNAV (RNP) Z 28

RNAV (RNP) Z 10

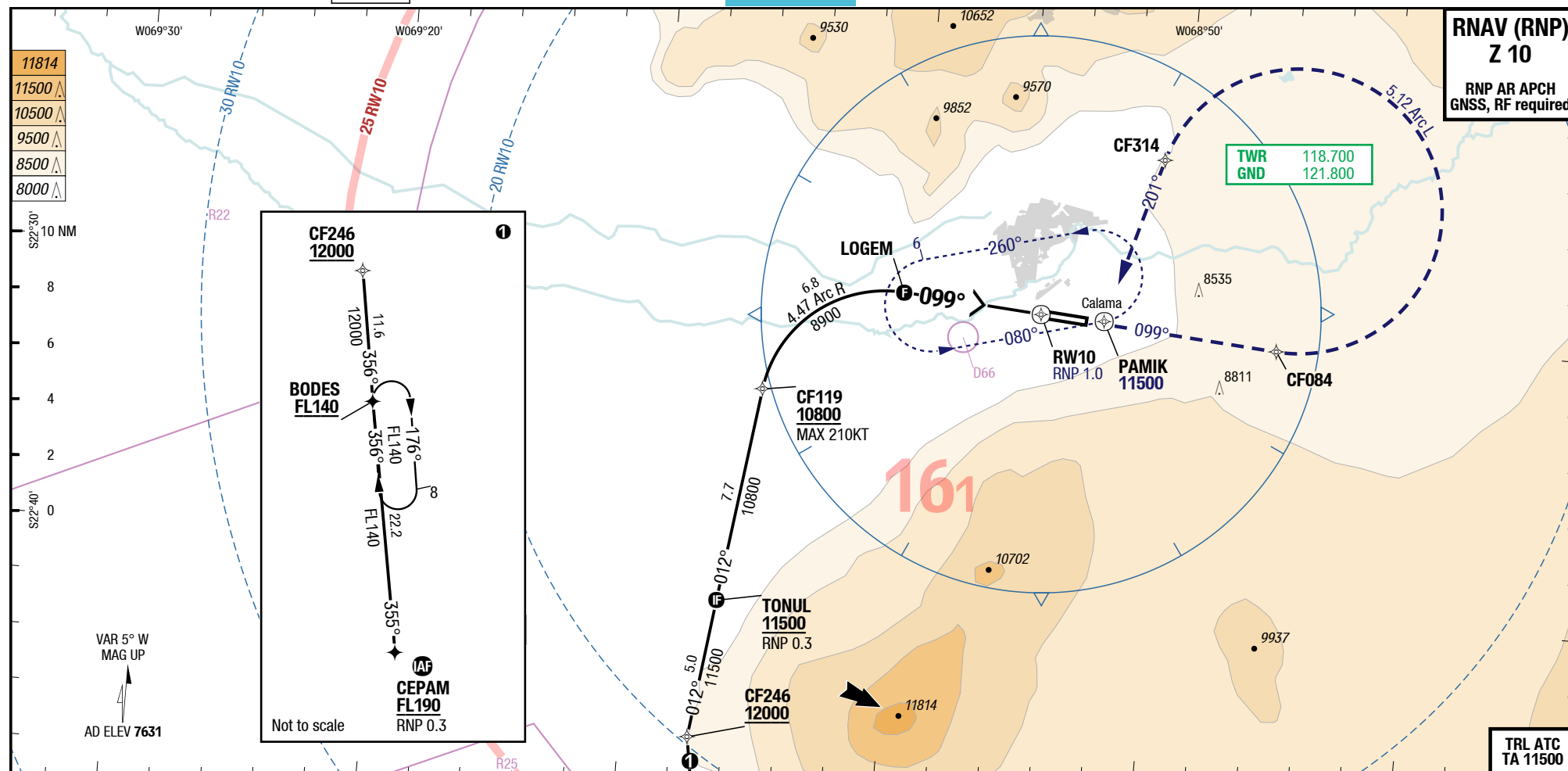
IAC

IAC

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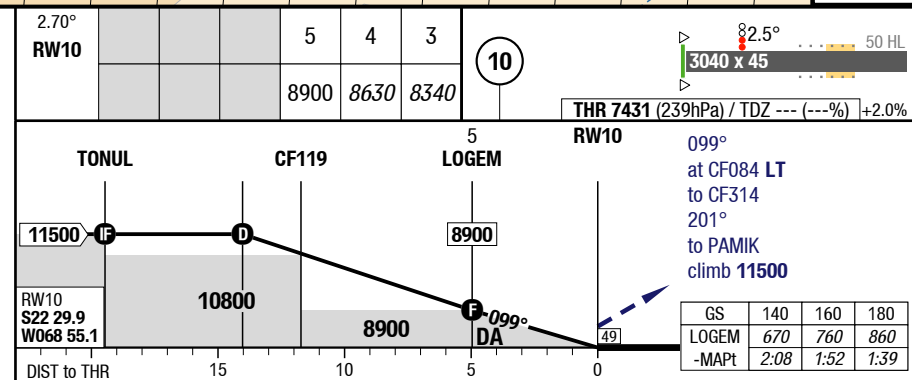
RNAV (RNP) Z 28

RNAV (RNP) Z 10



TERPS		RNAV RNP 0.15 VNAV GA 3.8% 1) 2) 3)	RNAV RNP 0.30 VNAV 4)			Circling TERPS
C	ft - m/km ft	450 - 2.4V 7880 5)	570 - 2.8V 8000 5)			Not published
D	ft - m/km ft	450 - 2.4V 7880 6)	570 - 2.8V 8000 6)			Not published

1) With EVS VIS 1.6km 2) For ATC reason 3) Up to 9500ft 4) With EVS VIS 1.9km 5) Uncompensated BARO VNAV NA below -5°C (23°F) or above 40°C (104°F) 6) Uncompensated BARO VNAV NA below -5°C (23°F) or above 30°C (86°F)



Changes: DIST ALT table, Profile

CJC-SCCF

RNAV (RNP) Z 28

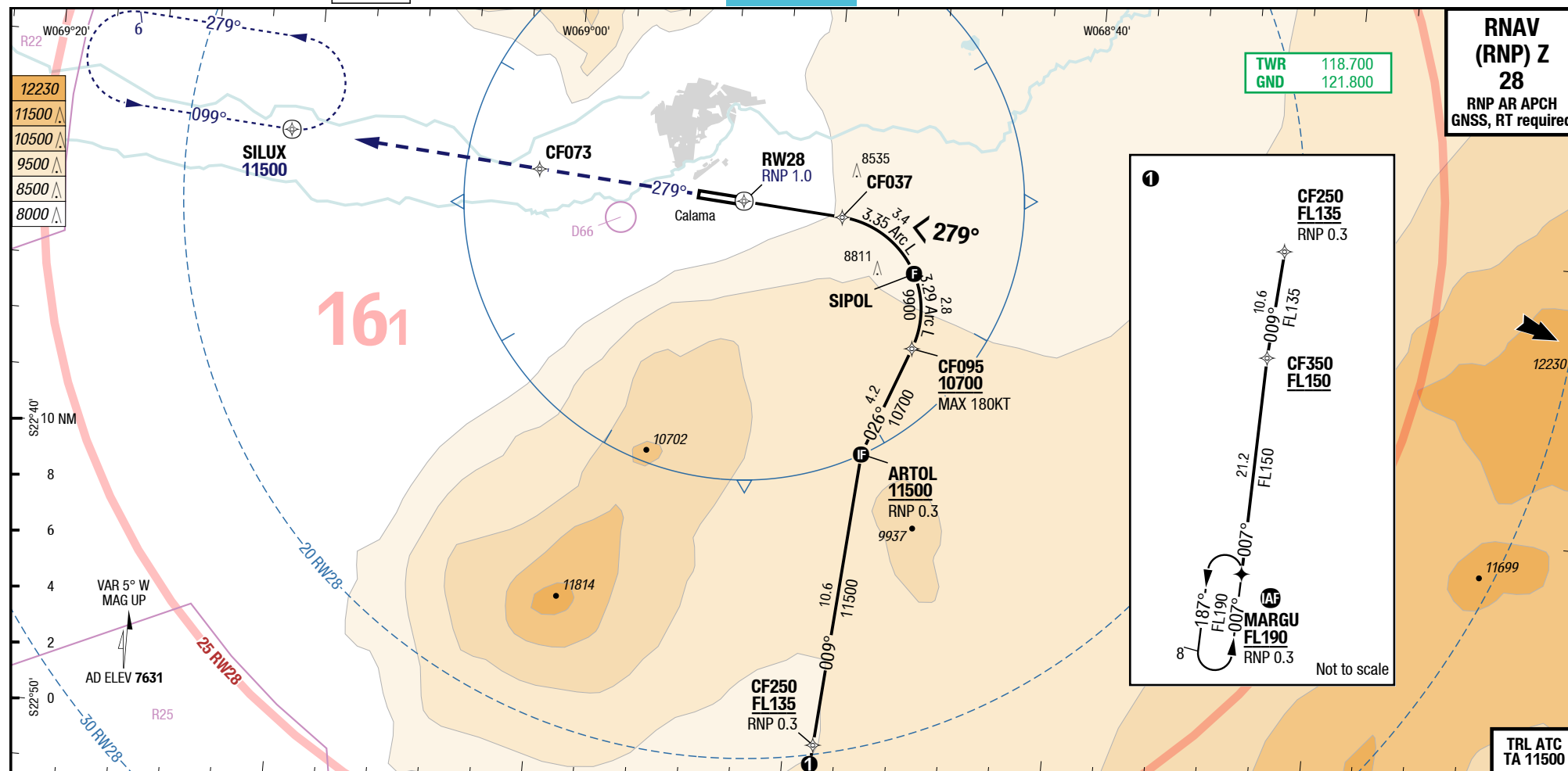
IAC

IAC

RNAV (RNP) Z 28

7-20

**RNAV
(RNP) Z
28**
RNP AR APCH
NSS, RT required



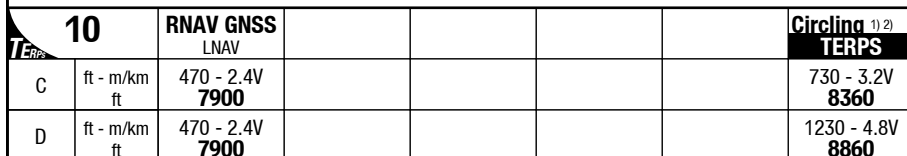
TERPS		28	RNAV	RNAV	RNAV	RNAV	RNAV	Circling
			RNP 0.10 VNAV 1)	RNP 0.10 VNAV APL U/S 2)	RNP 0.15 VNAV 3)	RNP 0.15 VNAV APL U/S 4)	RNP 0.30 VNAV 2)	TERPS
C	ft - m/km ft	390 - 1.2V 8020 5)	390 - 2.0V 8020 5)	450 - 1.6V 8080 5)	450 - 2.4V 8080 5)	560 - 2.0V 8190 5)	Not published	
D	ft - m/km ft	390 - 1.2V 8020 6)	390 - 2.0V 8020 6)	450 - 1.6V 8080 6)	450 - 2.4V 8080 6)	560 - 2.0V 8190 6)	Not published	

1) With EVS VIS 800m 2) With EVS VIS 1.3km 3) With EVS VIS 1.1km 4) With EVS VIS 1.6km 5) Uncompensated BARO VNAV NA below -5°C (23°F) or above 43°C (109°F) 6) Uncompensated BARO VNAV NA below -5°C (23°F) or above 32°C (89°F)

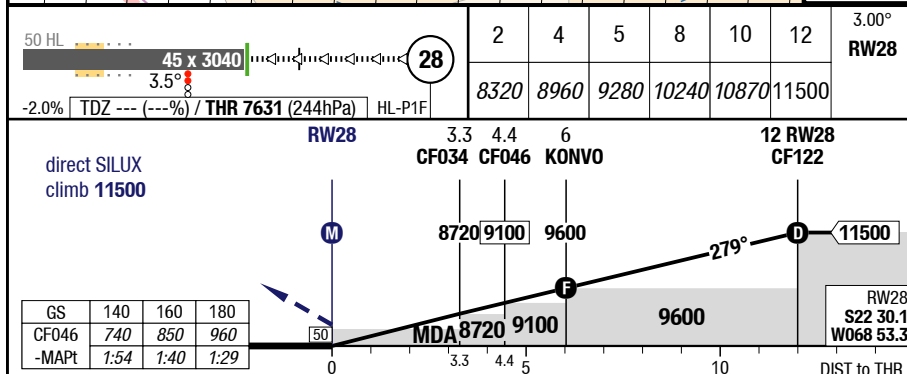
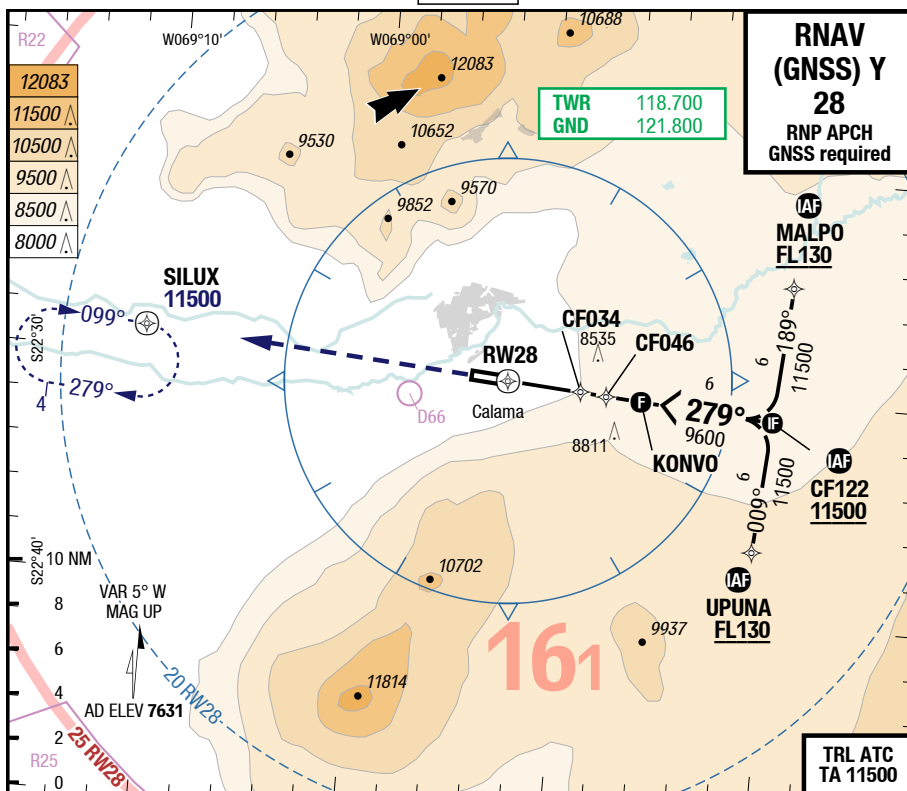
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Changes: Reprint

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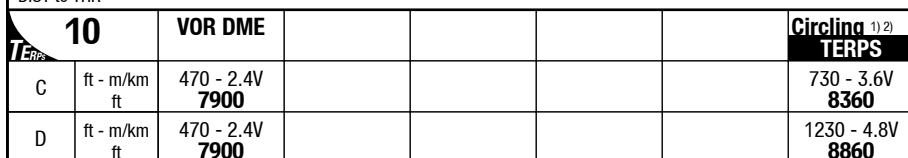


28		RNAV GNSS LNAV ¹⁾	RNAV GNSS LNAV APL U/S ¹⁾	Circling ²⁾	
TERPS				TERPS	
C	ft - m/km ft	570 - 2.0V 8200	570 - 2.8V 8200		1430 - 4.8V 9060
D	ft - m/km ft	570 - 2.0V 8200	570 - 2.8V 8200		1430 - 4.8V 9060

1) HN NA when VGSI INOP

2) N of AD only

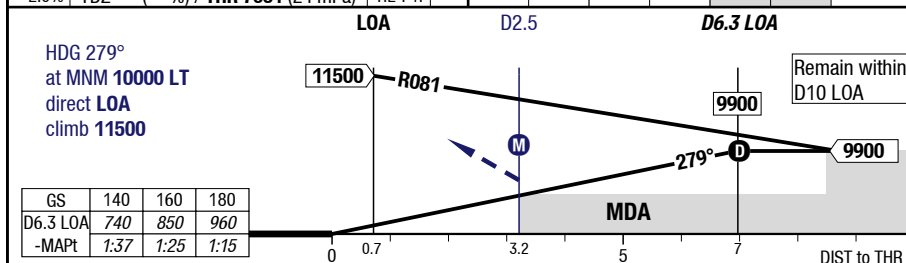
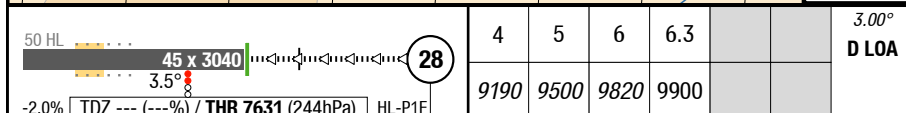
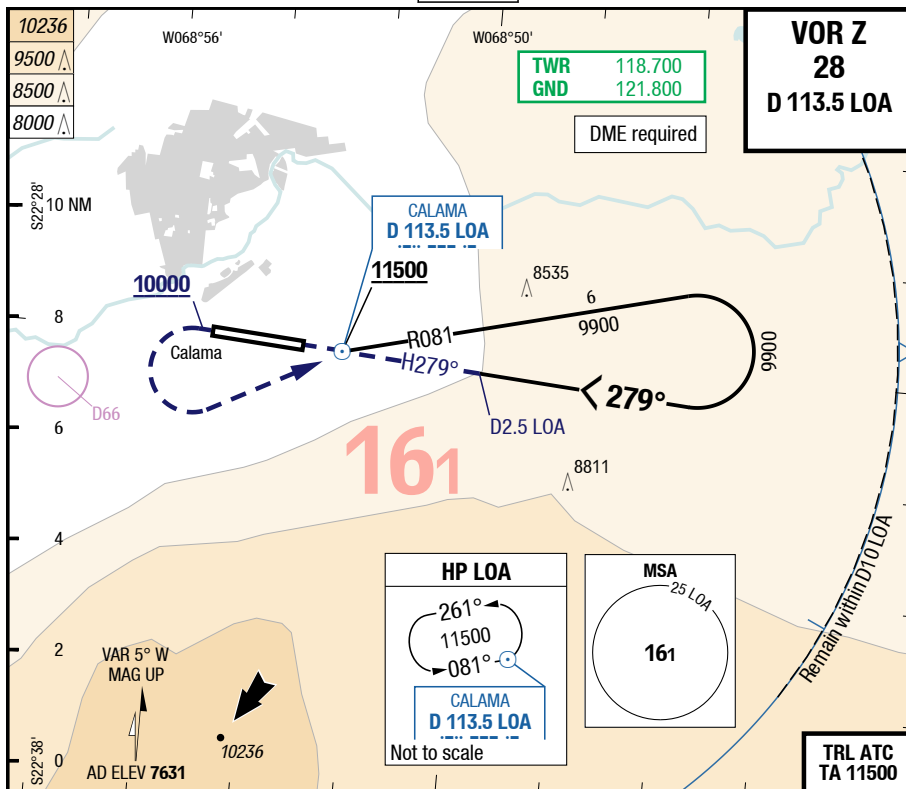
VOR 10



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7-60

VOR Z 28



28		VOR DME 1)					Circling ²⁾ TERPS
C	ft - m/km ft	1430 - 4.8V 9060					1430 - 4.8V 9060
D	ft - m/km ft	1430 - 4.8V 9060					1430 - 4.8V 9060

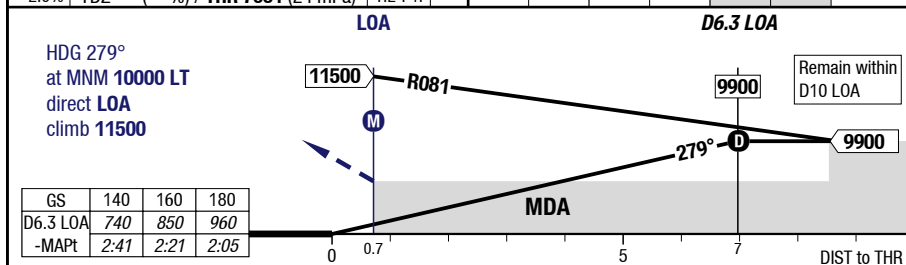
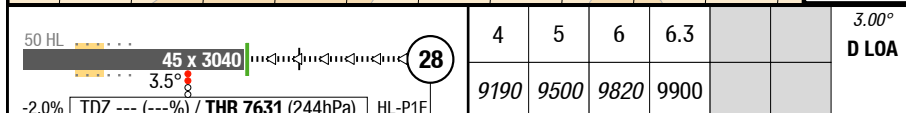
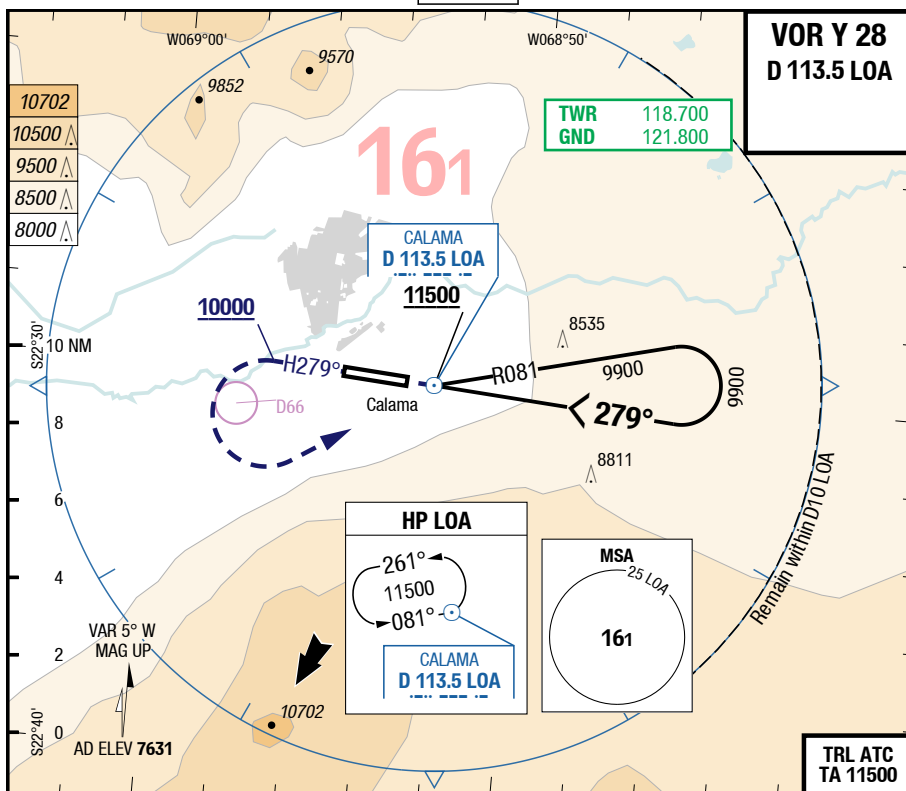
1) HN NA when VGSI INOP		
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2) N of AD only

Changes: chart title, MIN, Profile, Editorial

7-70

VOR Y 28



28		VOR 1)				Circling ²⁾ TERPS
C	ft - m/km ft	1430 - 4.8V 9060				1430 - 4.8V 9060
D	ft - m/km ft	1430 - 4.8V 9060				1430 - 4.8V 9060

1) HN NA when VGSI INOP

2) N of AD only

Changes: ALT, MEA, Profile, MISAP text, Editorial

TERPS	28	RNAV RNP 0.30 VNAV APL U/S ¹⁾					
	C	ft - m/km ft	560 - 2.8V 8190 ²⁾				
	D	ft - m/km ft	560 - 2.8V 8190 ³⁾				
1) With EVS VIS 1.9km 2) Uncompensated BARO VNAV NA below -5°C (23°F) or above 43°C (109°F) 3) Uncompensated BARO VNAV NA below -5°C (23°F) or above 32°C (89°F)							

CJC-SCCF

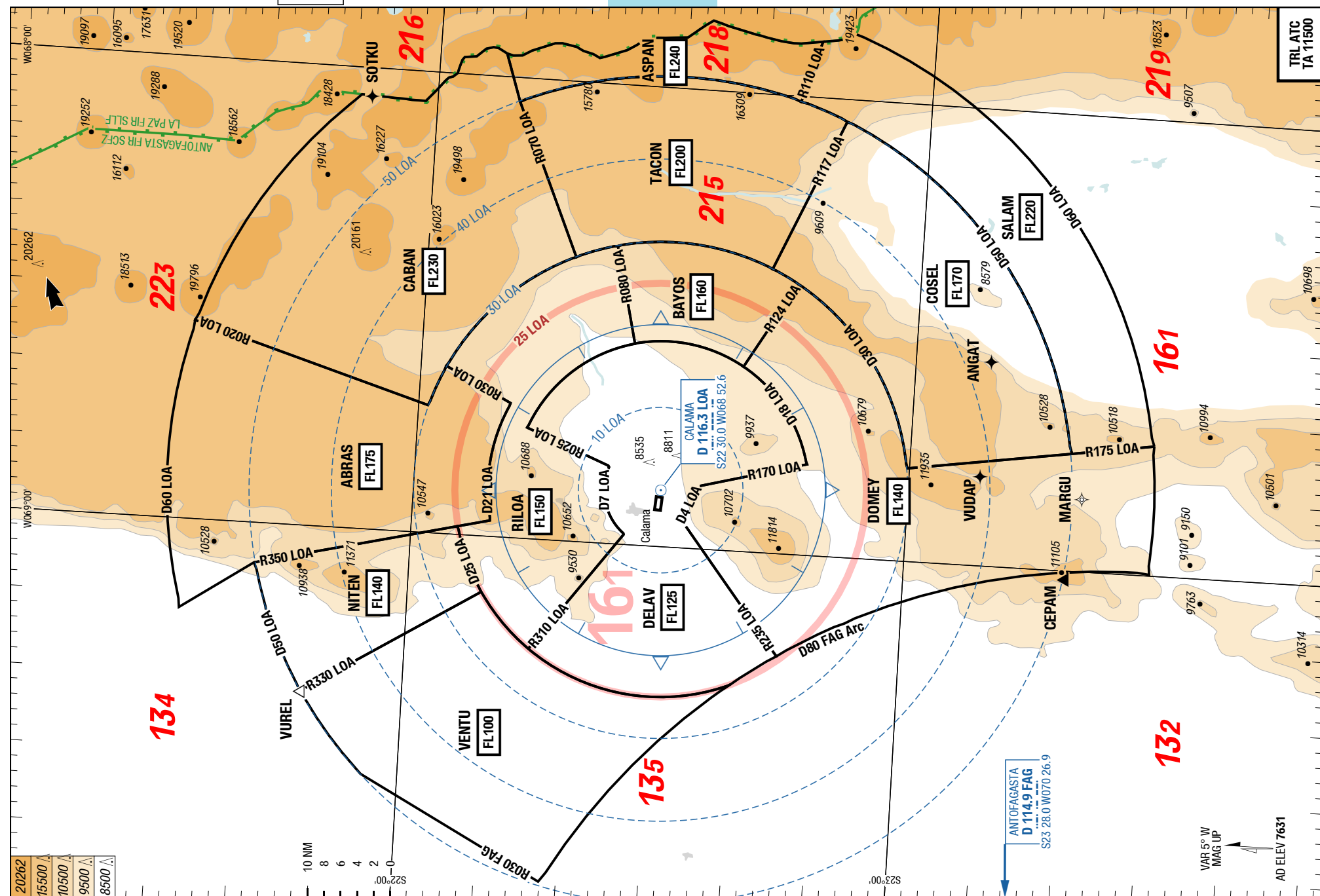
MRC

MRC

MRC

MRC

8-10



Changes: WPT

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