

GENERAL**Operational Hours****ATS Hours:** 1000-0100**AD ADMIN Hours:** 1000-1700 on working days**Airport Information****RFF:** CAT 8**Fuel:** O/R**PCN:** RWY 11/29: 67/R/C/W/T**Customs:** O/R 24HR PN**Operation****Taxi/Parking**

Taxi at reduced speed and strictly follow TWY CL.

Taxi into stands in under own PWR and with marshalling assistance, unless otherwise indicated by ATC.

Taxi out of stands in APN 2 with marshalling assistance.

Engine Run-up

Engine tests not allowed BTN 0100-1100.

Warnings

Paragliding and hovercraft activity in vicinity of AD.

Birds in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT below FL100 within airspace classes B, C, D and G.

Communication**COM Failure:** See CRAR.**Arrival Procedure****Non-standard GP Intercept Position on RWY 29**GP intercepts RWY 29 at *332m / 1088ft* after landing threshold.Remaining DIST beyond GP is *2016m / 6615ft*.**DEPARTURE****Take-off Minima**

RWY		11/29		
Multi ENG	ft - m/km	0 - 550V	HJ only	For conditions check CRAR
		0 - 800V	HN	

Speed

MAX IAS 250KT below FL100 within airspace classes B, C, D and G.

Communication**COM Failure:** See CRAR.

05-APR-2018

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1-20

A01

A01

DEPARTURE

Departure Procedure

Noise Abatement Procedure: Use TKOF PROC B.

De-Icing

AVBL O/R

Changes: New

05-APR-2018
BRC-SAZS

Argentina San Carlos De Bariloche Rio Negro

AGC
AFC

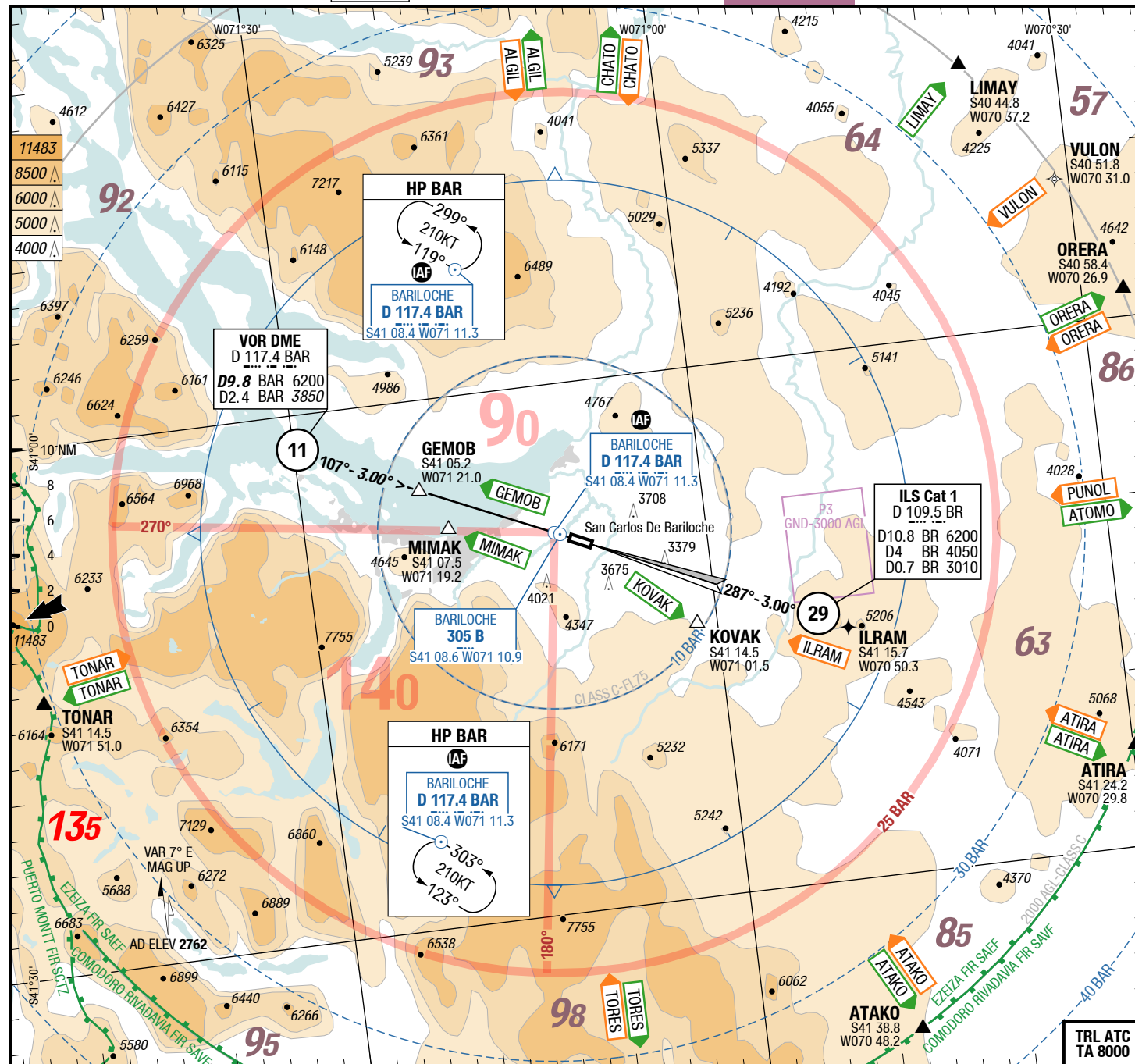
AFC

AFC

Rio Negro San Carlos De Bariloche Argentina

AGC
AFC

2-10



05-APR-2018
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Argentina San Carlos De Bariloche Rio Negro

AGC

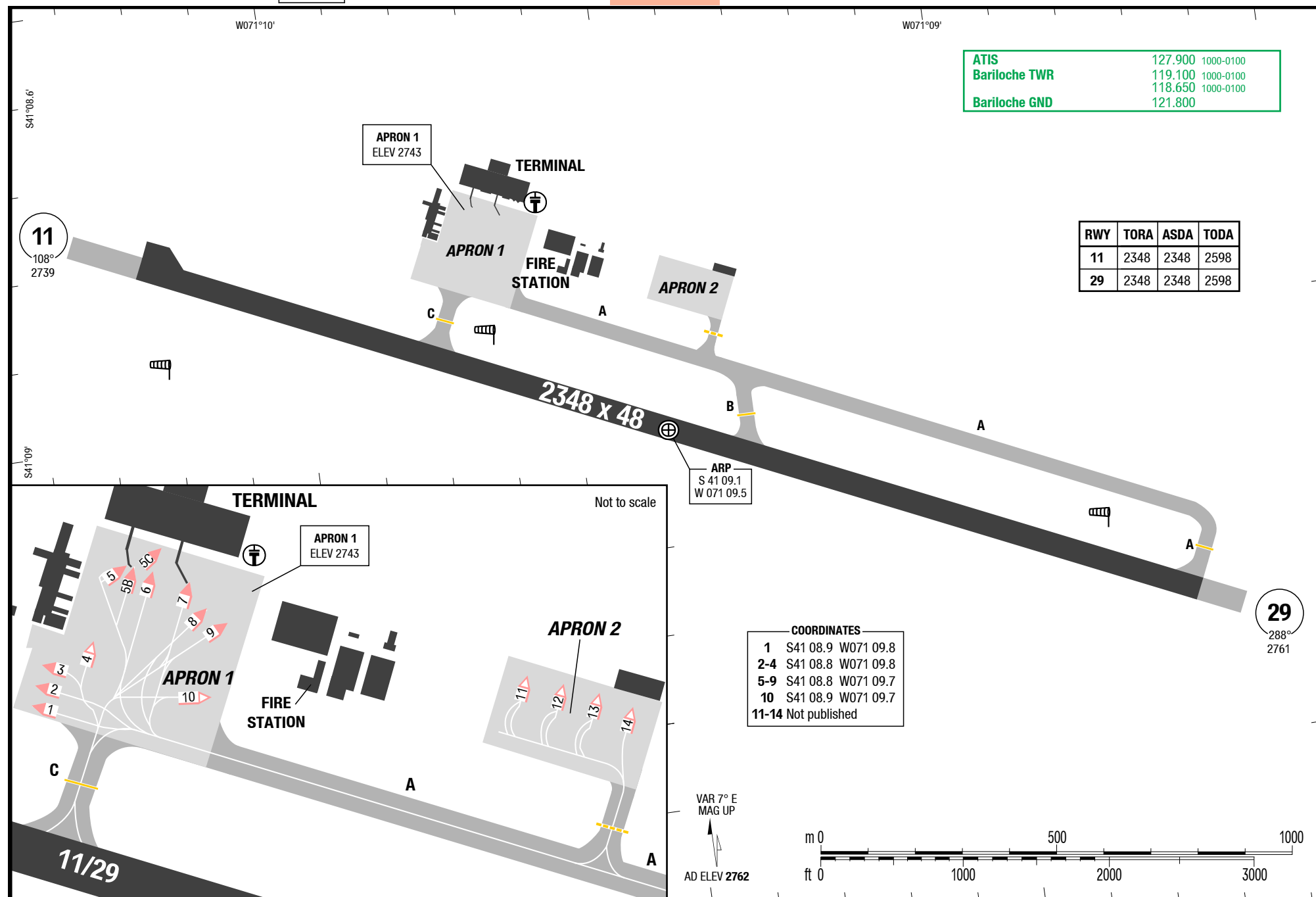
AGC

AGC

Rio Negro San Carlos De Bariloche Argentina

AGC

3-20



Changes: New

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MIMAK 1 / KOVAK 4A

4-10

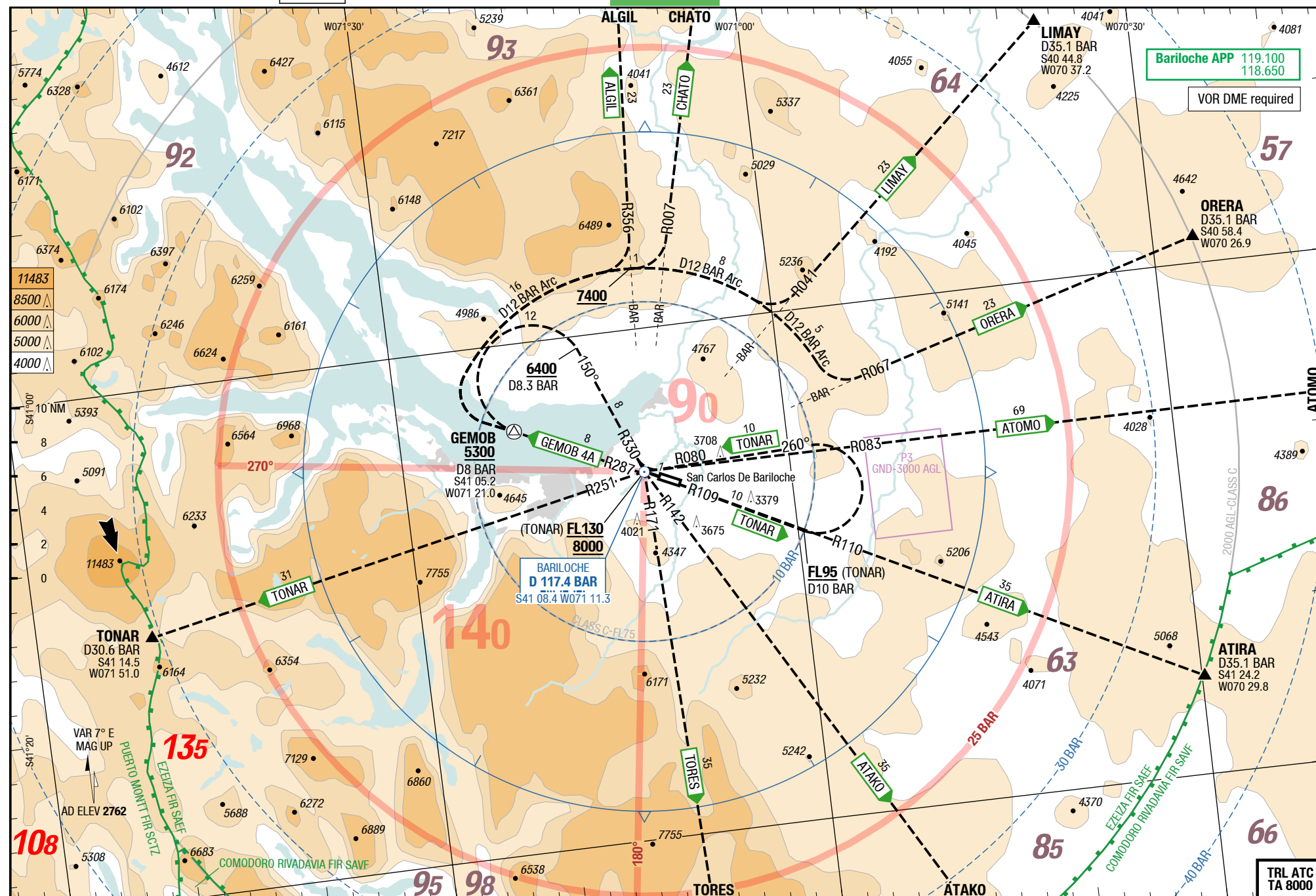
GEMOB 4A

SID

SID

MIMAK 1 / KOVAK 4A

GEMOB 4A



Changes: New

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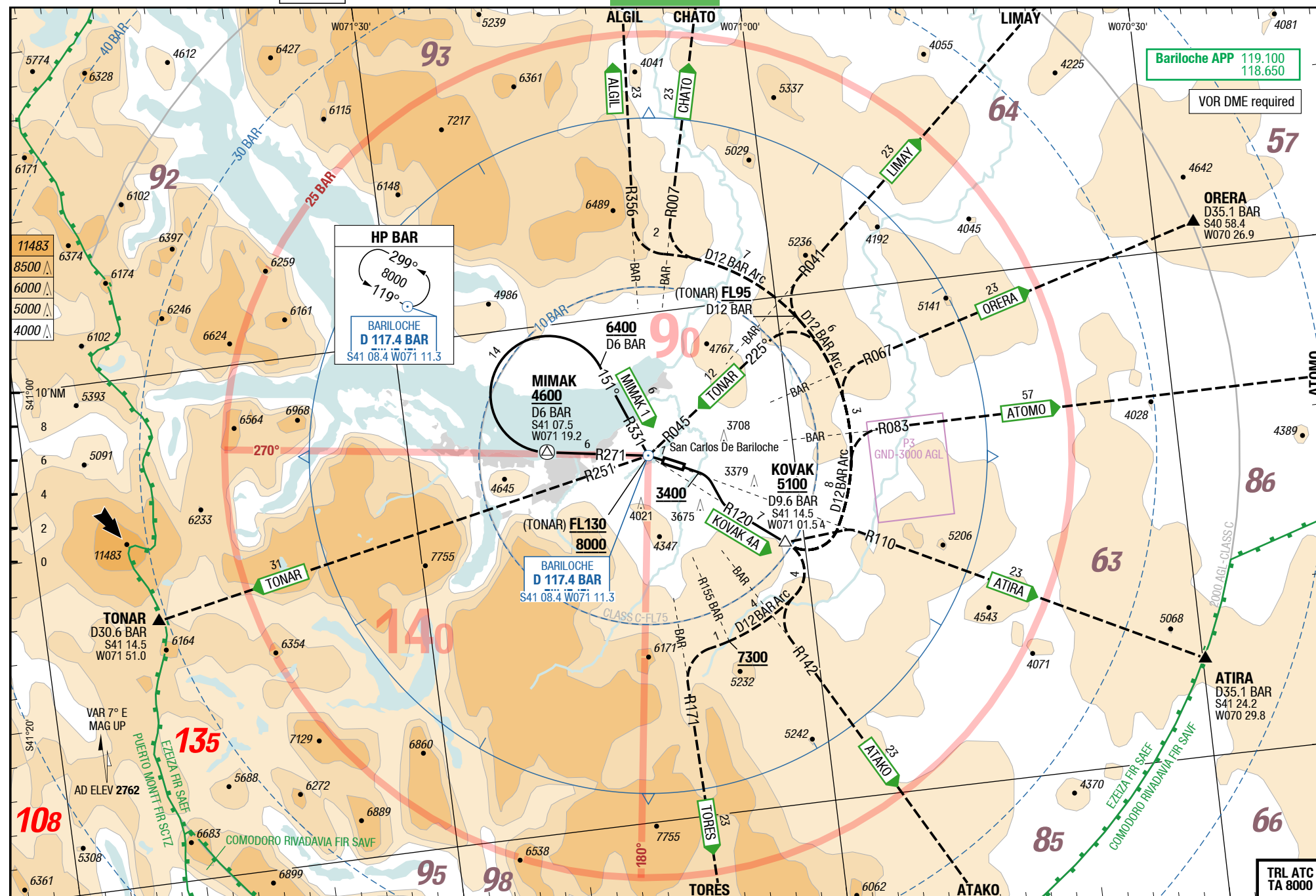
4-20

MIMAK 1 / KOVAK 4A

SID

DIS

MIMAK 1 / KOVAK 4A



Changes: New

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5-10

GEMOB 4A**SIDPT****GEMOB 4A**

RWY 29 (288°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
4.5%	ft/MIN	600	700	900	1000	1100	1300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 29	
GEMOB 4A 4.5% to GEMOB 4.5% to 7400 3.5% (Transitions: ALGIL, CHATO, LIMAY, ORERA) 4.5% to 8000 (Transitions: ATAKO, ATIRA, ATOMO, TORES) 119.100	direct BAR - R287 BAR to GEMOB	GEMOB MNM 5300
	TRANSITION	
	ALGIL at GEMOB RT follow D12 BAR arc - intercept R356 BAR to ALGIL	D12 / R356 BAR MNM 7400
	ATAKO at GEMOB RT intercept R330 BAR to BAR - R142 BAR to ATAKO	D8.3 / R330 BAR MNM 6400 BAR MNM 8000
	ATIRA at GEMOB RT intercept R330 BAR to BAR - R110 BAR to ATIRA	D8.3 / R330 BAR MNM 6400 BAR MNM 8000
	ATOMO at GEMOB RT intercept R330 BAR to BAR - R083 BAR to ATOMO	D8.3 / R330 BAR MNM 6400 BAR MNM 8000
	CHATO at GEMOB RT follow D12 BAR arc - intercept R007 BAR to CHATO	D12 / R356 BAR MNM 7400
	LIMAY at GEMOB RT follow D12 BAR arc - intercept R041 BAR to LIMAY	D12 / R356 BAR MNM 7400
	ORERA at GEMOB RT follow D12 BAR arc - intercept R067 BAR to ORERA	D12 / R356 BAR MNM 7400
	TONAR at GEMOB RT intercept R330 BAR to BAR - R109 BAR - at D10 BAR LT intercept R080 BAR to BAR - R251 BAR to TONAR	D8.3 / R330 BAR MNM 6400 BAR MNM 8000 D10 / R109 BAR MNM FL95 BAR MNM FL130
	TORES at GEMOB RT intercept R330 BAR to BAR - R171 BAR to TORES	D8.3 / R330 BAR MNM 6400 BAR MNM 8000

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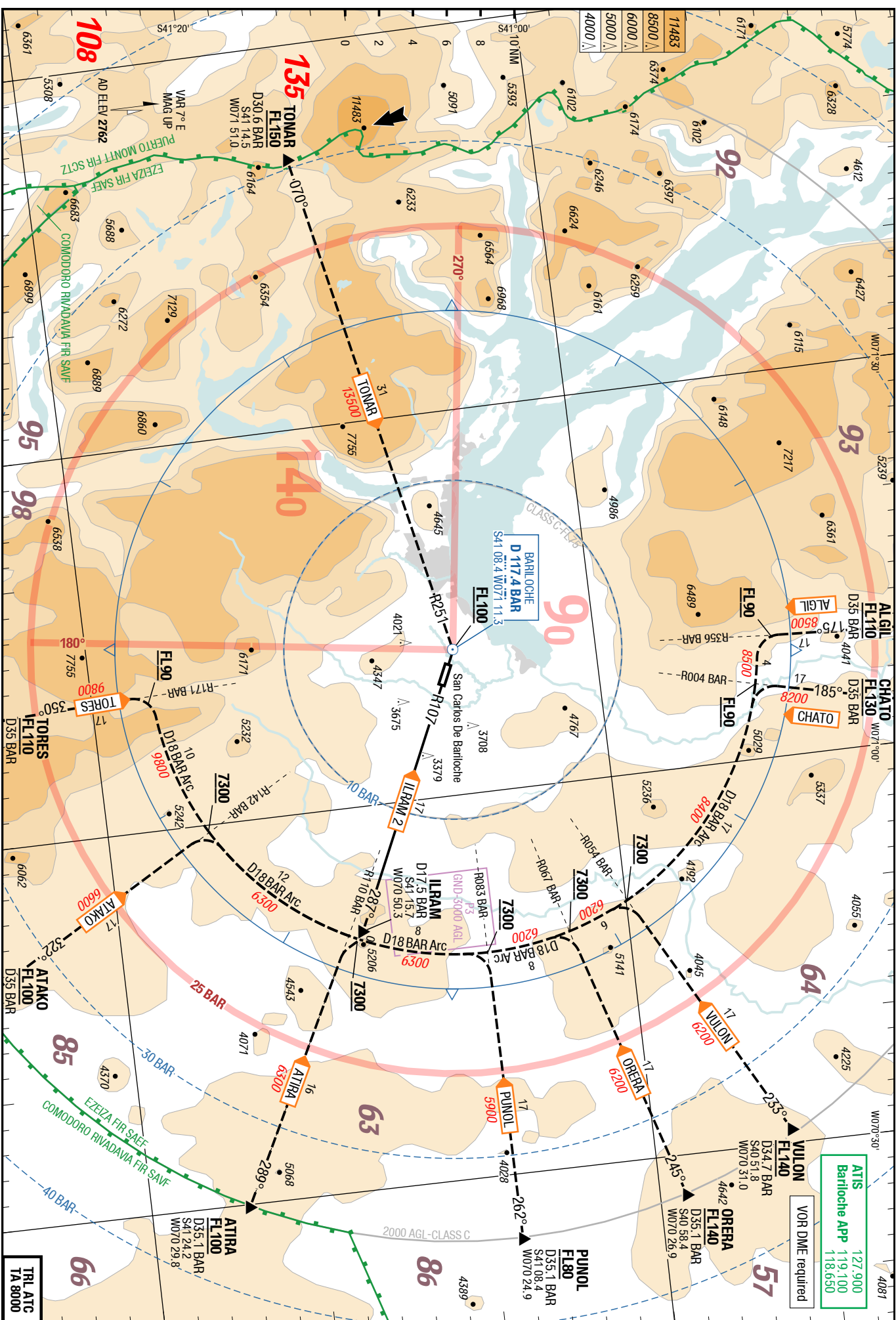
5-20

MIMAK 1 / KOVAK 4A**KOVAK 4A / MIMAK 1**

RWYs 11 (108°) / 29 (288°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
4.5%	ft/MIN	600	700	900	1000	1100	1300
5.0%	ft/MIN	700	800	1000	1100	1300	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 11	
KOVAK 4A 5.0% to KOVAK	at MNM 3400 RT intercept R120 BAR to KOVAK	KOVAK MNM 5100
	TRANSITION	
3.5% (Transitions: ALGIL, ATIRA, ATOMO, CHATO, LIMAY, ORERA)	ALGIL at KOVAK LT follow D12 BAR arc - intercept R356 BAR to ALGIL	
5.0% to 7300	ATAKO at KOVAK RT follow D12 BAR arc - intercept R142 BAR to ATAKO	
3.5% (Transitions: ATAKO, TORES)	ATIRA at KOVAK LT - intercept R110 BAR to ATIRA	
5.0% (Transition TONAR)	ATOMO at KOVAK LT follow D12 BAR arc - intercept R083 BAR to ATOMO	
119.100	CHATO at KOVAK LT follow D12 BAR arc - intercept R007 BAR to CHATO	
	LIMAY at KOVAK LT follow D12 BAR arc - intercept R041 BAR to LIMAY	
	ORERA at KOVAK LT follow D12 BAR arc - intercept R067 BAR to ORERA	
	TONAR at KOVAK LT follow D12 BAR arc - intercept R045 BAR to BAR - R251 BAR to TONAR	D12 / R045 BAR MNM FL95 BAR MNM FL130
	TORES at KOVAK RT follow D12 BAR arc - intercept R171 BAR to TORES	D12 / R155 BAR MNM 7300
	Runway 29	
MIMAK 1 4.5% 119.100	direct BAR - R271 BAR to MIMAK - RT intercept R331 BAR to BAR - enter holding over BAR - climb to MEA	MIMAK MNM 4600 D6 / R331 BAR MNM 6400 BAR MNM 8000

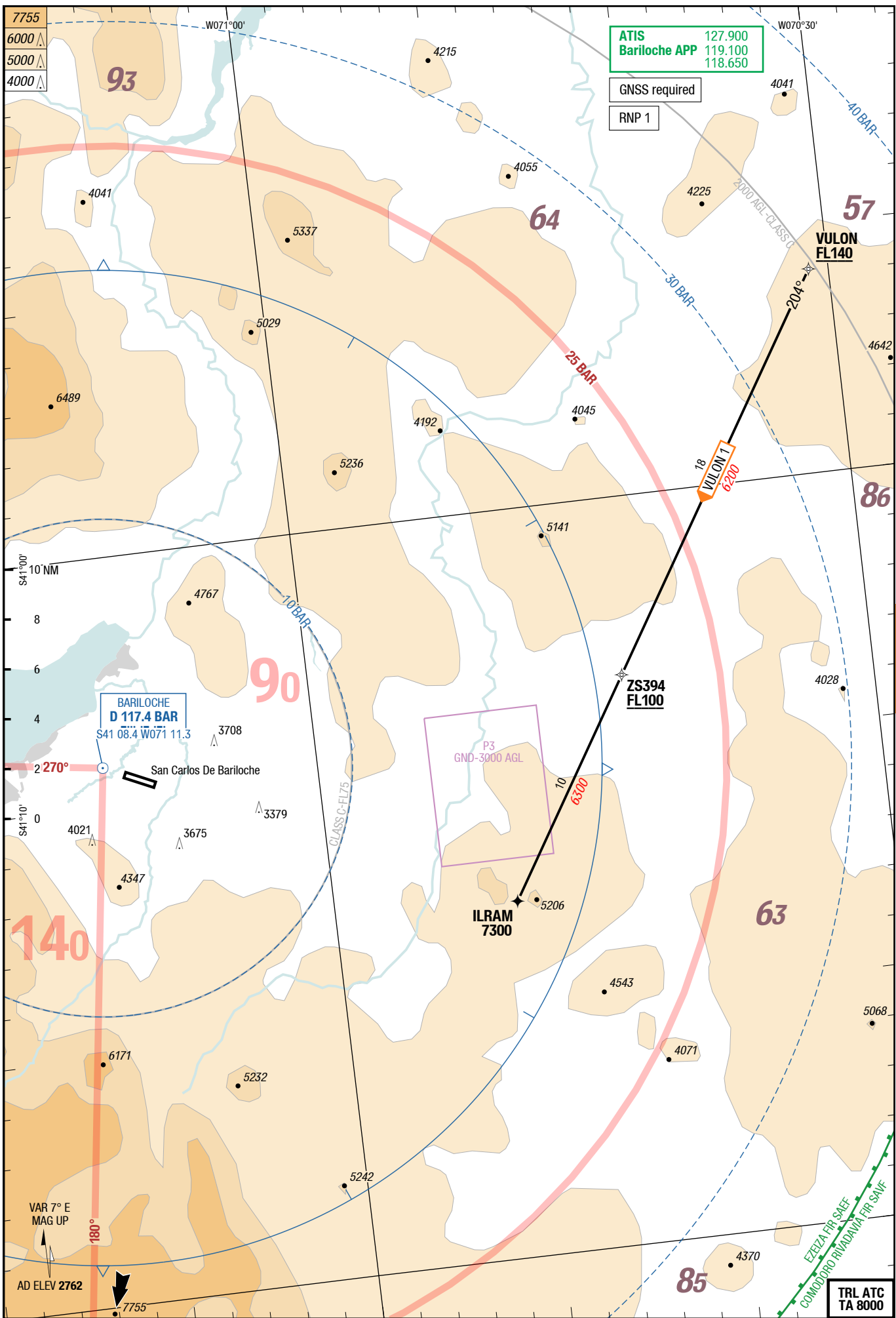


05-APR-2018
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Argentina San Carlos De Bariloche Rio Negro
6-20
VULON 1 RNAV

STAR
STAR

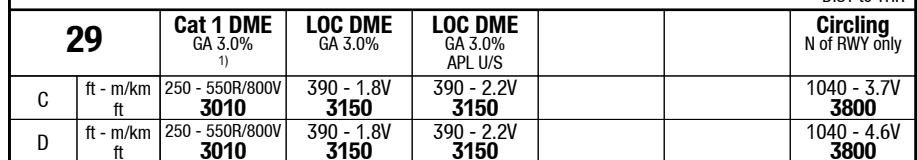
Rio Negro San Carlos De Bariloche Argentina
VULON 1 RNAV



Changes: new

BRC-SAZS

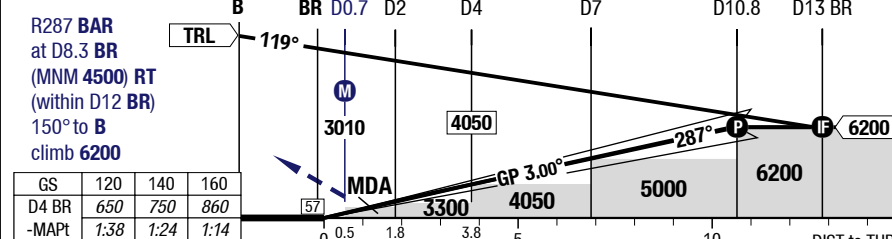
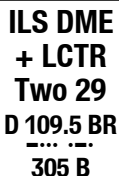
ILS DME + VOR DME One 29



Changes: new

BRC-SAZS

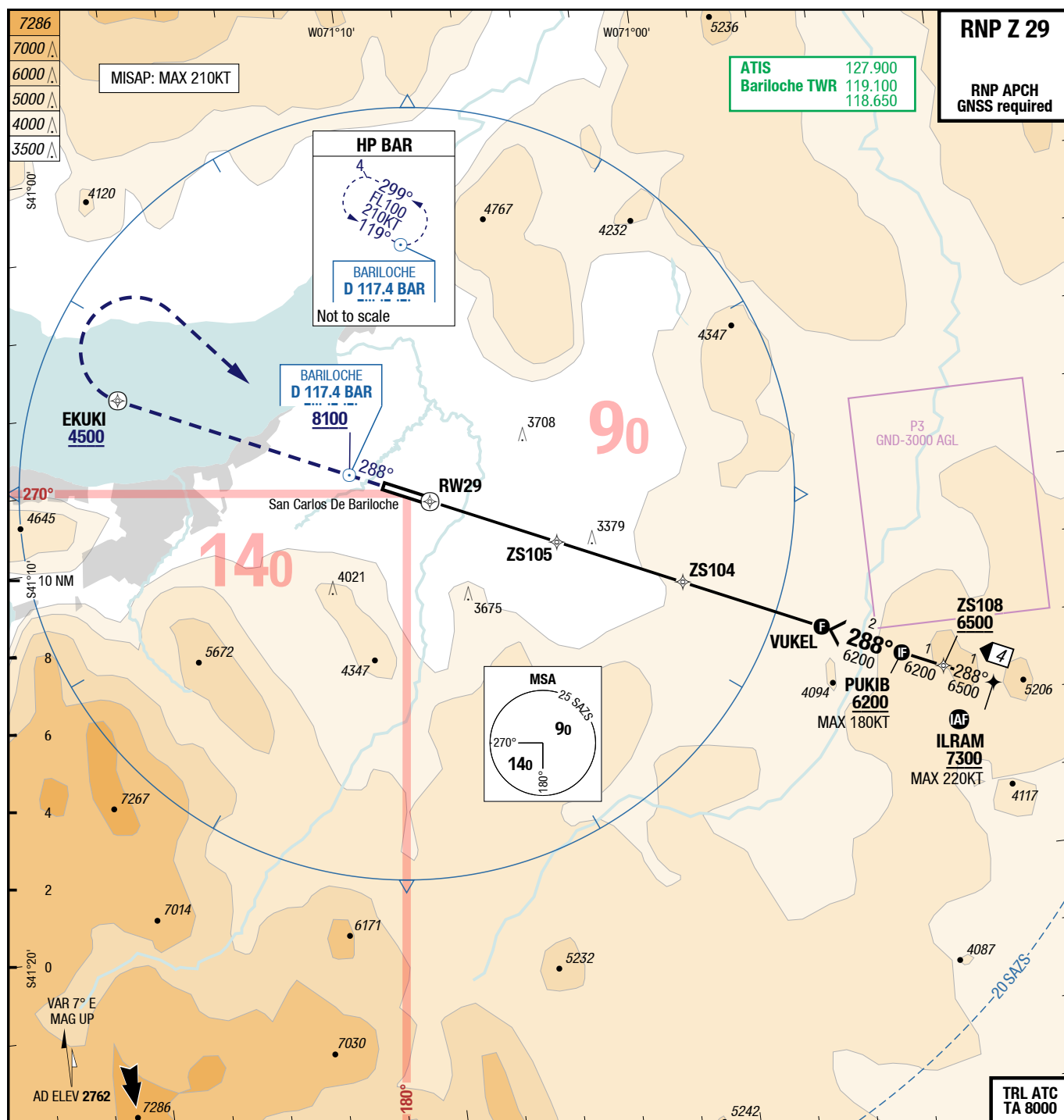
ILS DME + LCTR Two 29



29		Cat 1 DME GA 3.0% 1)	LOC DME GA 3.0%	LOC DME GA 3.0% APL U/S		Circling N of RWY only
C	ft - m/km ft	250 - 550R/800V 3010	390 - 1.8V 3150	390 - 2.2V 3150		1040 - 3.7V 3800
D	ft - m/km ft	250 - 550R/800V 3010	390 - 1.8V 3150	390 - 2.2V 3150		1040 - 4.6V 3800

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Changes: new



288°
at EKUKI (MNM 4500)
RT direct BAR
climb **8100**
(MISAP MAX 210KT)

GS	120	140	160
ZS104	640	740	850
-MAPt	3:26	2:57	2:35

3.00° RW29

288°

3.0°

3.00° RW29

3.5 ZS105 6.9 ZS104 10.6 VUKEL 12.8 RW29 PUKIB

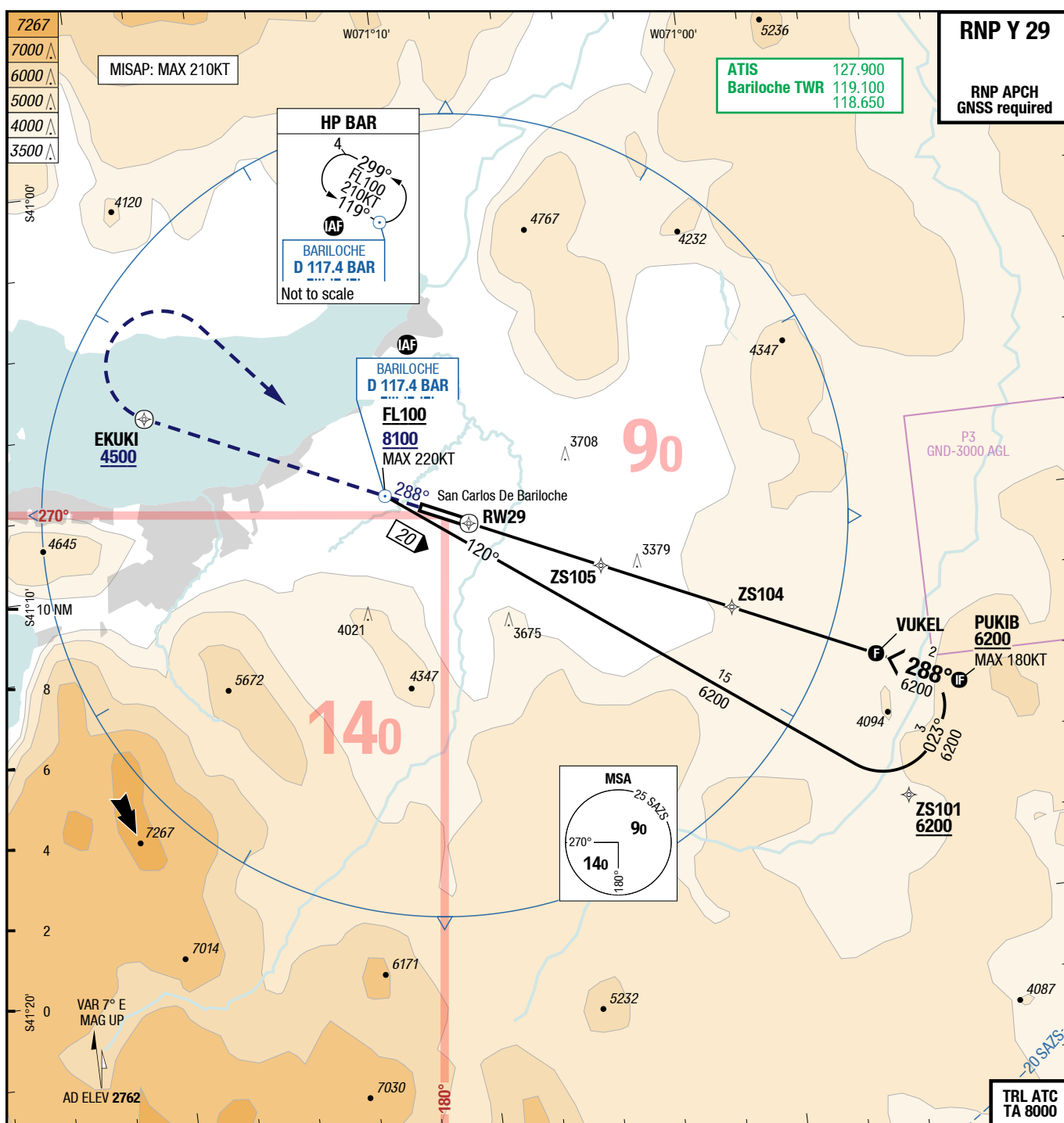
3910 5000 5600 6200

MDA 3850 4270

DIST to THR

	29	RNP VNAV GA 3.3%, 1) 2) 3) 4)	RNP LNAV GA 3.3%	RNP LNAV GA 3.3%, APL U/S		Circling
C	ft - m/km ft	310 - 700R/800V 3070	360 - 1.3V 3120	360 - 2.0V 3120		Not authorized
D	ft - m/km ft	310 - 700R/800V 3070	360 - 1.3V 3120	360 - 2.0V 3120		Not authorized

1) FD or AP or HGS to DA required, else use 750m RVR 2) Uncompensated BARO VNAV NA below -20°C (-4°F) or above 50°C (122°F)
3) SBAS use for VNAV not applicable or not authorized 4) With EVS RVR 550m/ VIS 800m



288°
at EKUKI (MNM 4500)
RT direct **BAR**
climb **8100**
(MISAP MAX 210KT)

GS	120	140	160
ZS104	640	740	850
-MAPt	3:26	2:57	2:35

0 3.5 5 6.9 10 12.8 DIST to THR

29 **RNP VNAV** GA 3.3% 1) 2) 3) 4) **RNP LNAV** GA 3.3% **RNP LNAV** GA 3.3%, APL U/S **Circling**

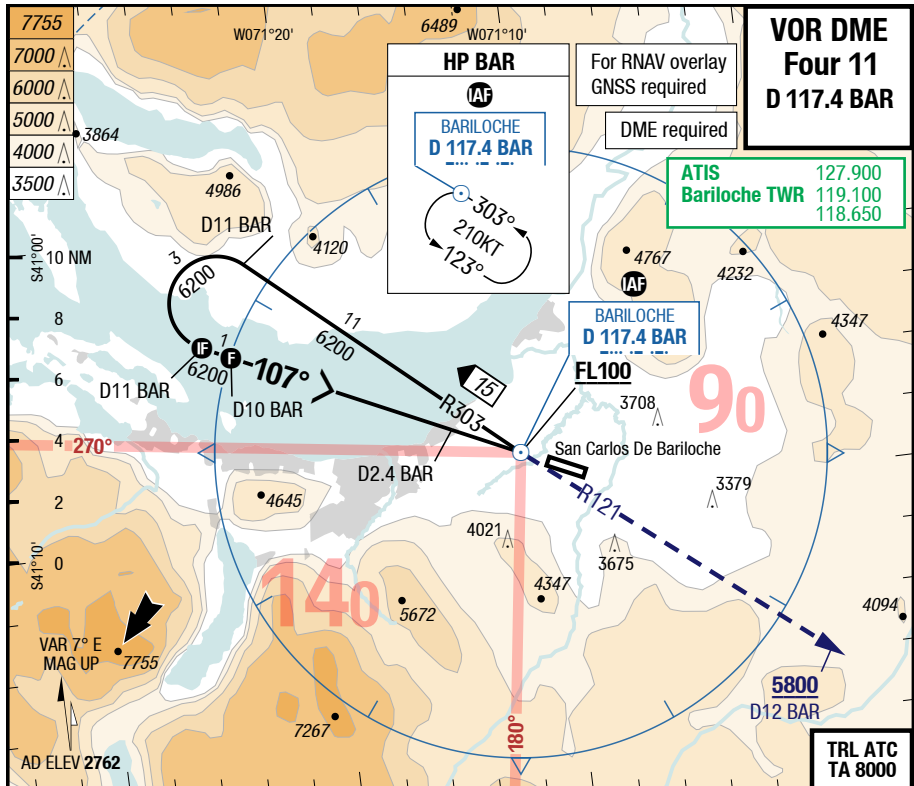
C	ft - m/km ft	310 - 700R/800V 3070	360 - 1.3V 3120	360 - 2.0V 3120	Not authorized
D	ft - m/km ft	310 - 700R/800V 3070	360 - 1.3V 3120	360 - 2.0V 3120	Not authorized

1) Uncompensated BARO VNAV NA below -20°C (-4°F) or above 50°C (122°F) 2) FD or AP or HGS to DA required, else use 750m RVR
3) SBAS use for VNAV not applicable or not authorized 4) With EVS RVR 550m/ VIS 800m

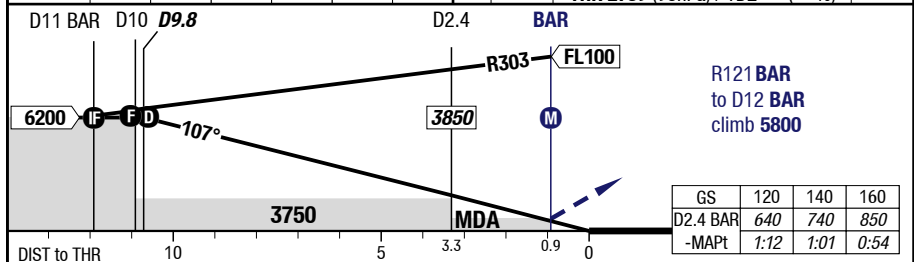
BRC-SAZS

7-50

VOR DME Four 11



3.00° D BAR 107° RWY 108°	9.8	8	6	4	2	1	11	83.0° 2348 x 48 60 HL
	6200	5630	5000	4360	3720	3400		THR 2739 (96hPa) / TDZ --- (---%) +0.3%



11	VOR DME GA 3.5%				Circling N of RWY only
C	ft - m/km ft	400 - 2.4V 3130			1040 - 3.7V 3800
D	ft - m/km ft	400 - 2.8V 3130			1040 - 4.6V 3800

BRC-SAZS

7-60

VOR DME Three 29

