GENERAL

Operational Hours

ATS Hours: AFIS MON-THU 1130-2030‡, FRI 1130-1930‡, SAT/SUN/HOL O/R

AD OPS Hours: HJ

Airport Information

RFF: Not published
Fuel: Not published
PCN: RWY 10/28: 43/F/D/X/T
Customs: Not published

Operation

Traffic Note
AD AVBL as ALTN only during AFIS HRs.

Engine Run-up Area
Engine run-up shall be performed on TWY, previous coordination with INFO.

Warnings

Birds in vicinity of AD.

ARRIVAL

Speed

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

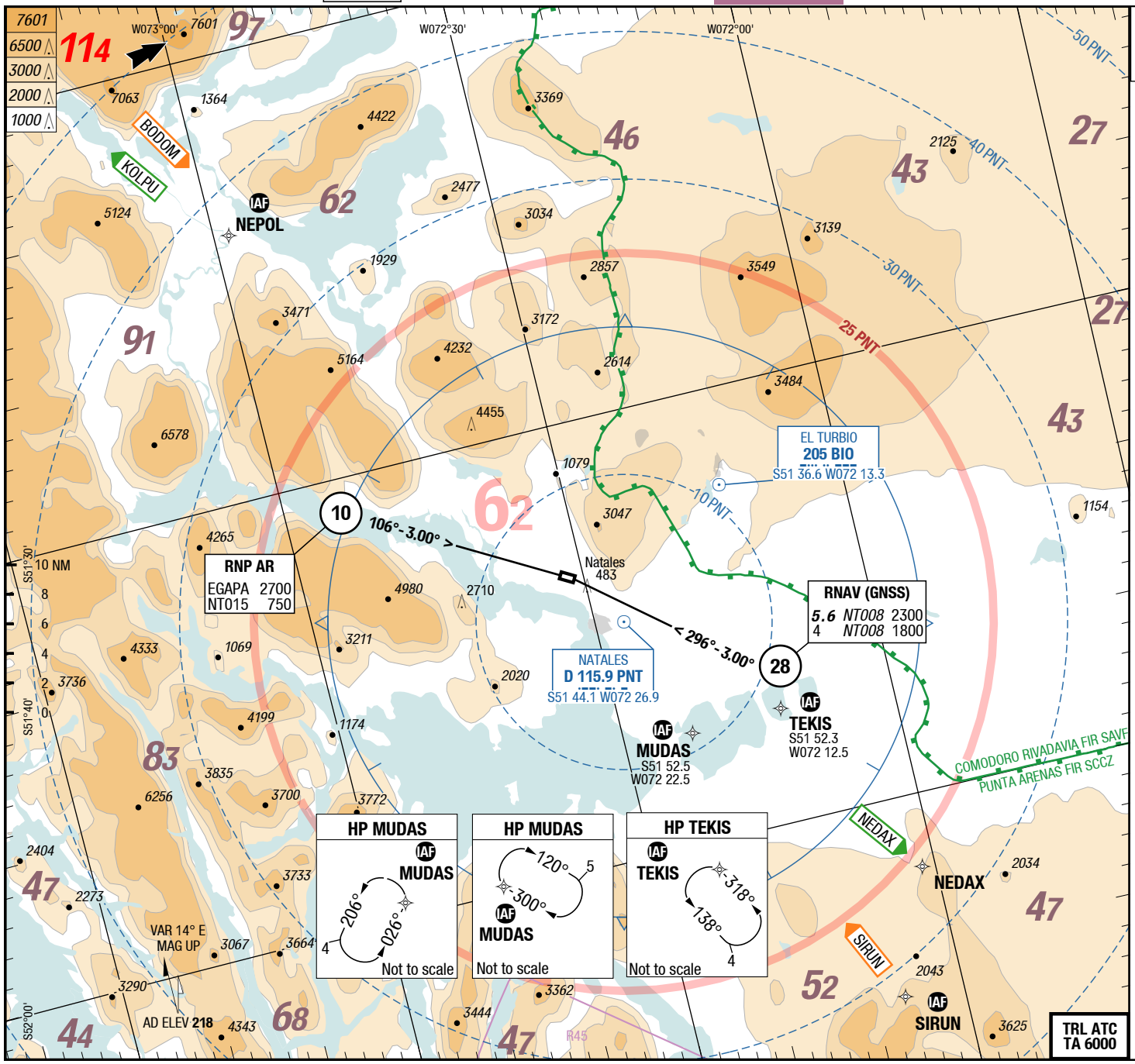
DEPARTURE

Take-off Minima

RWY			10/28		
Multi ENG	A, B, C	ft - m/km	0 - 400v	HJ only	For conditions
			0 - 800v	HN	check CRAR
	D		Not applicable		-

Speed

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



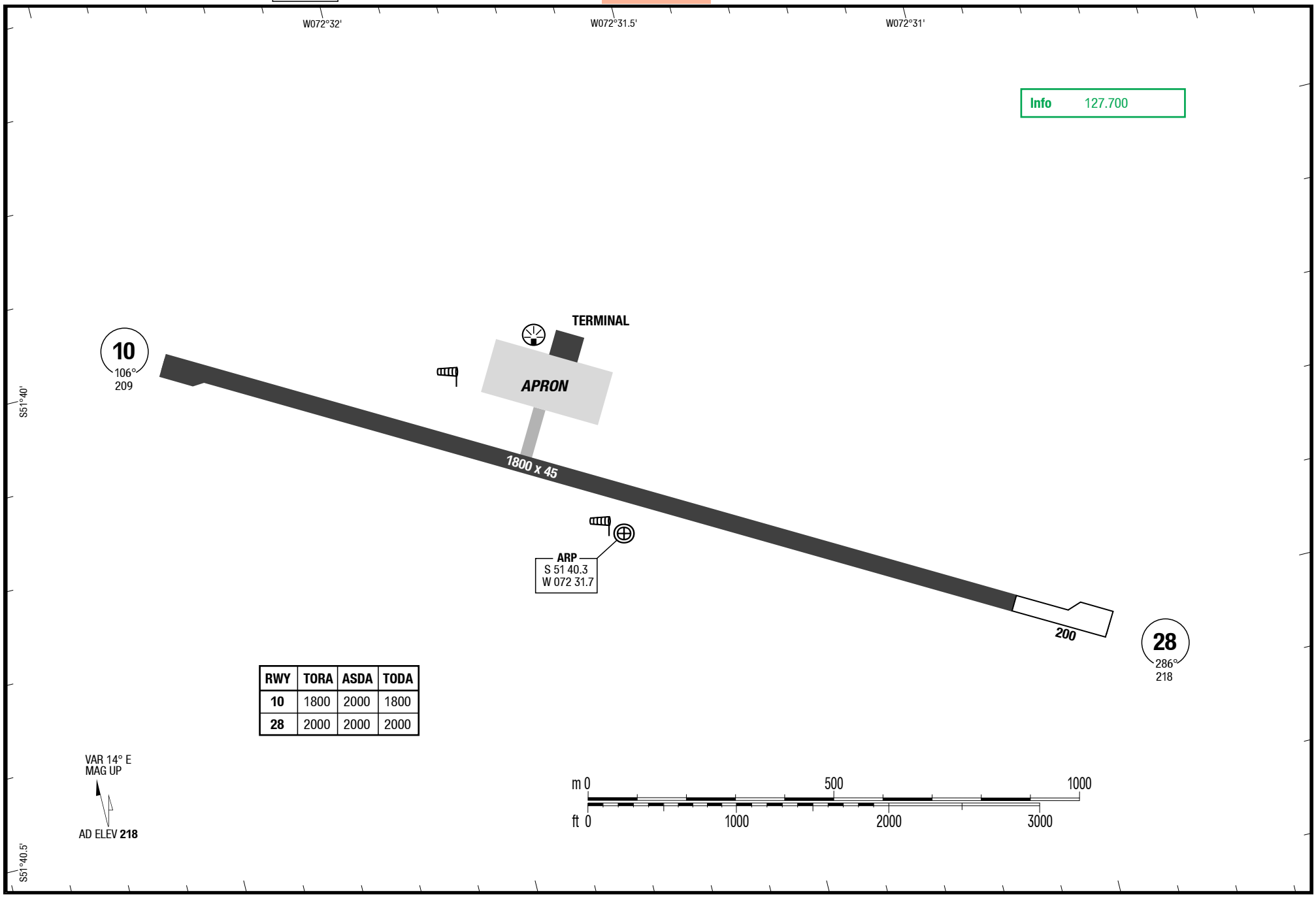
Info	127.700
Punta Arenas Center	123.900 128.100

Landing RWY system:

10
60 L
1800 x 45
THR 209 (8hPa) / TDZ --- (---%) +0.2%

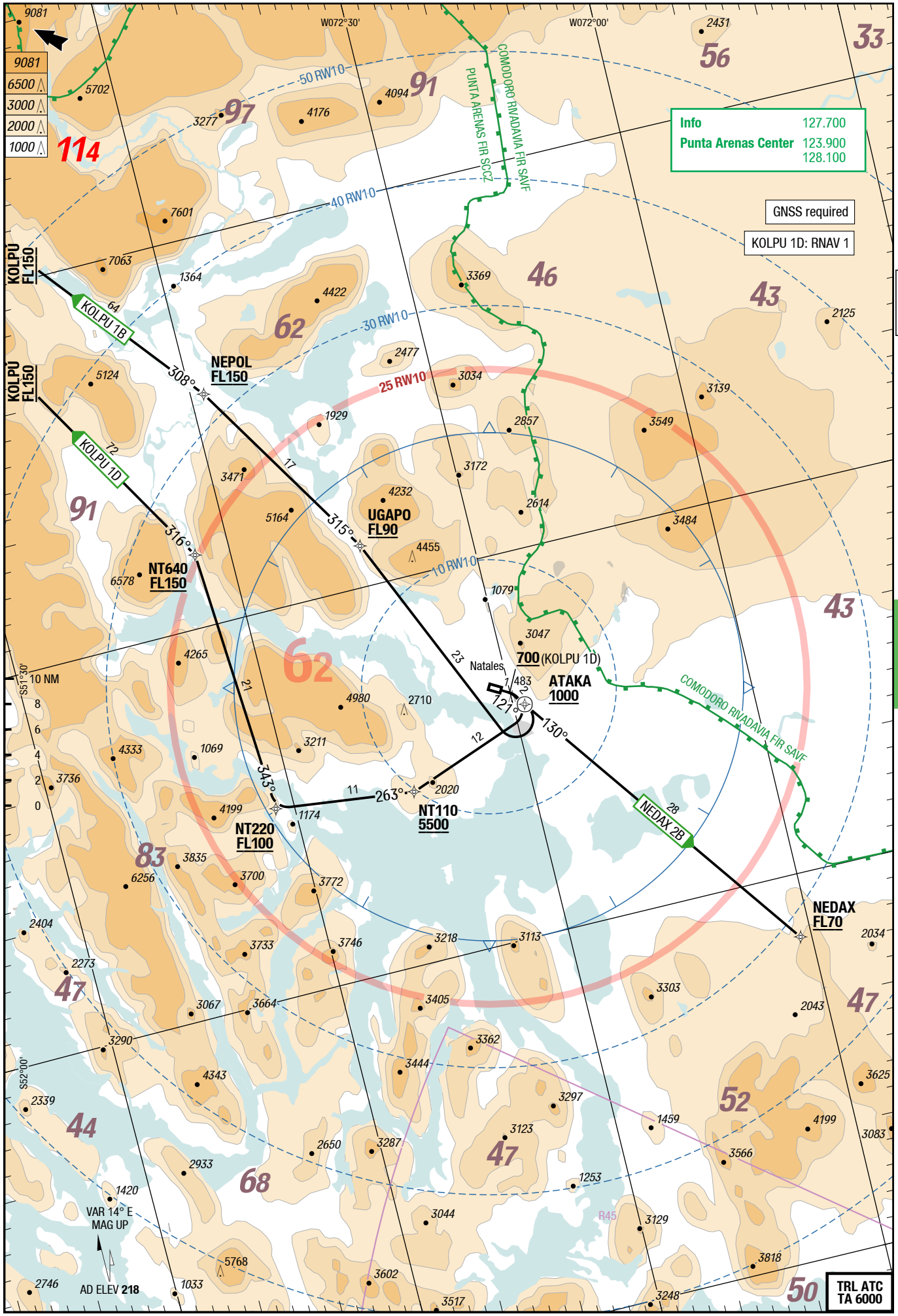
60 L
45 x 1800
3.2°
28
-0.2% TDZ --- (---%) / **THR 218** (8hPa)

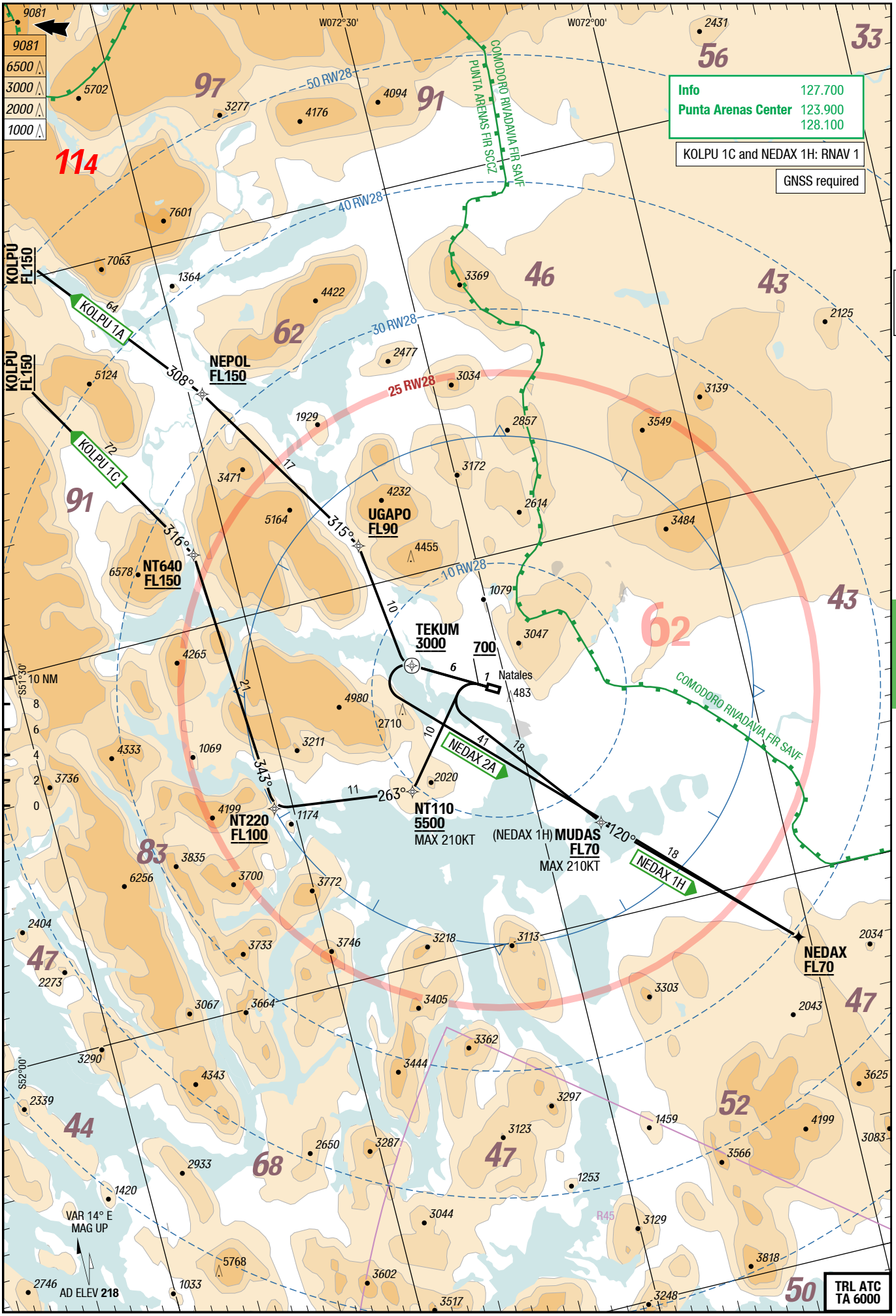
Changes: WPT , PROC renamed



RWY	TORA	ASDA	TODA
10	1800	2000	1800
28	2000	2000	2000

Changes: new





Tte.Julio Gallardo **Natales** Chile

RNAV SIDs RWY 28

SID

KOLPU 1B / KOLPU 1D / NEDAX 2B

RWY 10 (106°)

	GS	120	150	180	210	240	270
5.8%	ft/MIN	800	900	1100	1300	1500	1600
8.2%	ft/MIN	1000	1300	1500	1800	2000	2300

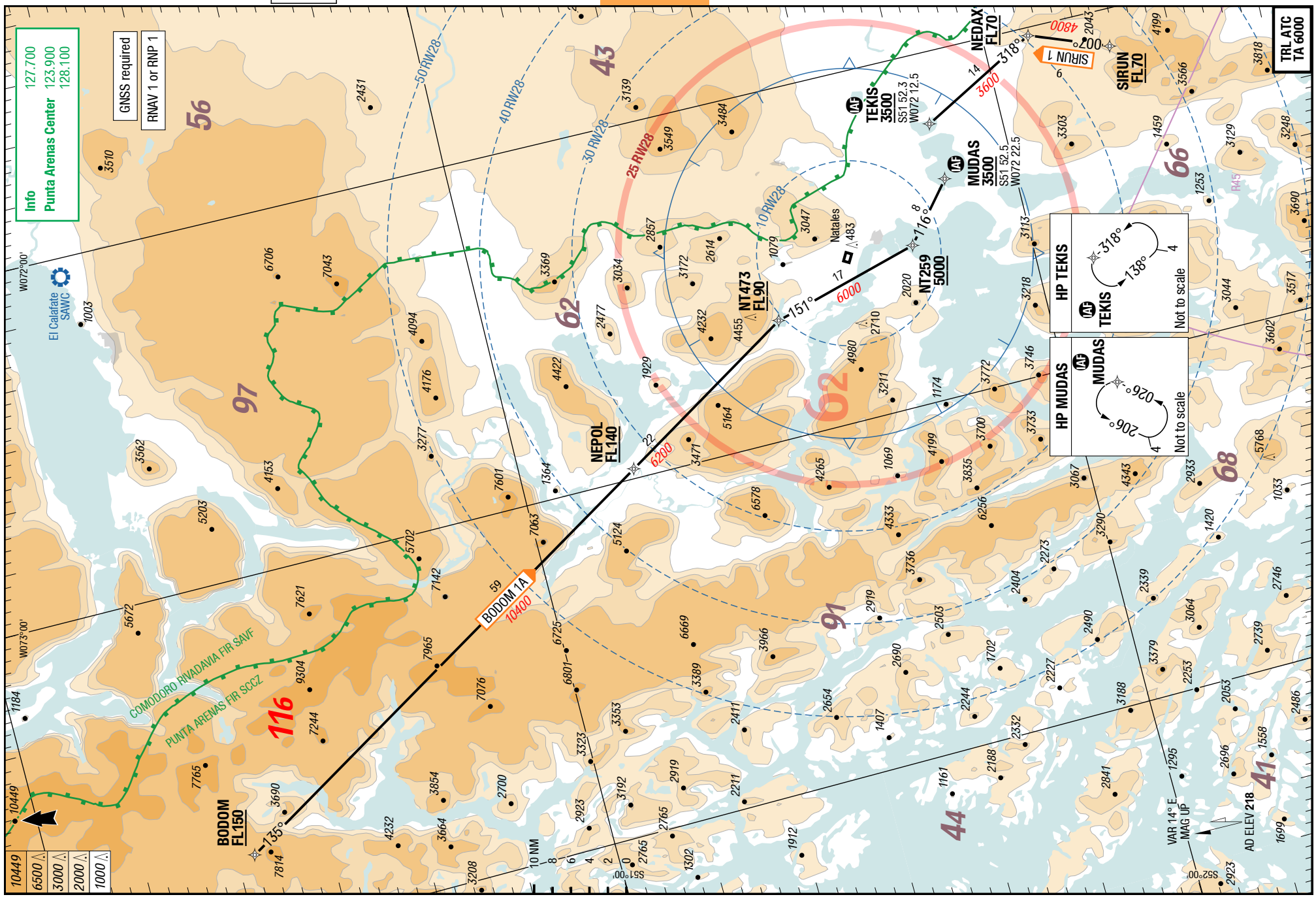
DESIGNATOR	ROUTING	ALTITUDES
	Runway 10	
KOLPU 1B 5.8% **123.900** **128.100**	106° [A620+] - 121° ATAKA [R] - DCT UGAPO - NEPOL - KOLPU	ATAKA MNM **1000** UGAPO MNM **FL90** NEPOL MNM **FL150** KOLPU MNM **FL150**
KOLPU 1D 8.2% to FL150 **123.900** **128.100**	106° [A700+ ;R] - DCT NT110 - NT220 - NT640 - KOLPU	NT110 MNM **5500** NT220 MNM **FL100** NT640 MNM **FL150** KOLPU MNM **FL150**
NEDAX 2B 5.8% **123.900** **128.100**	106° [A620+] - 121° ATAKA - NEDAX	ATAKA MNM **1000** NEDAX MNM **FL70**

KOLPU 1A / KOLPU 1C / NEDAX 1H / NEDAX 2A

RWY 28 (286°)

	GS	120	150	180	210	240	270
7.4%	ft/MIN	900	1200	1400	1600	1800	2100
7.7%	ft/MIN	1000	1200	1500	1700	1900	2200
8.2%	ft/MIN	1000	1300	1500	1800	2000	2300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 28	
KOLPU 1A 7.4% **123.900** **128.100**	DCT TEKUM - DCT UGAPO - NEPOL - KOLPU	TEKUM MNM **3000** UGAPO MNM **FL90** NEPOL MNM **FL150** KOLPU MNM **FL150**
KOLPU 1C 8.2% to FL150 **123.900** **128.100**	286° [A700+ ;L] - DCT NT110 [K210-] - NT220 - NT640 - KOLPU	NT110 MNM **5500** NT220 MNM **FL100** NT640 MNM **FL150** KOLPU MNM **FL150**
NEDAX 1H 7.7% to FL70 **123.900** **128.100**	286° [A700+ ;L] - DCT MUDAS [K210-] - NEDAX	MUDAS MNM **FL70** NEDAX MNM **FL70**
NEDAX 2A 7.4% **123.900** **128.100**	DCT TEKUM [L] - DCT NEDAX	TEKUM MNM **3000** NEDAX MNM **FL70**



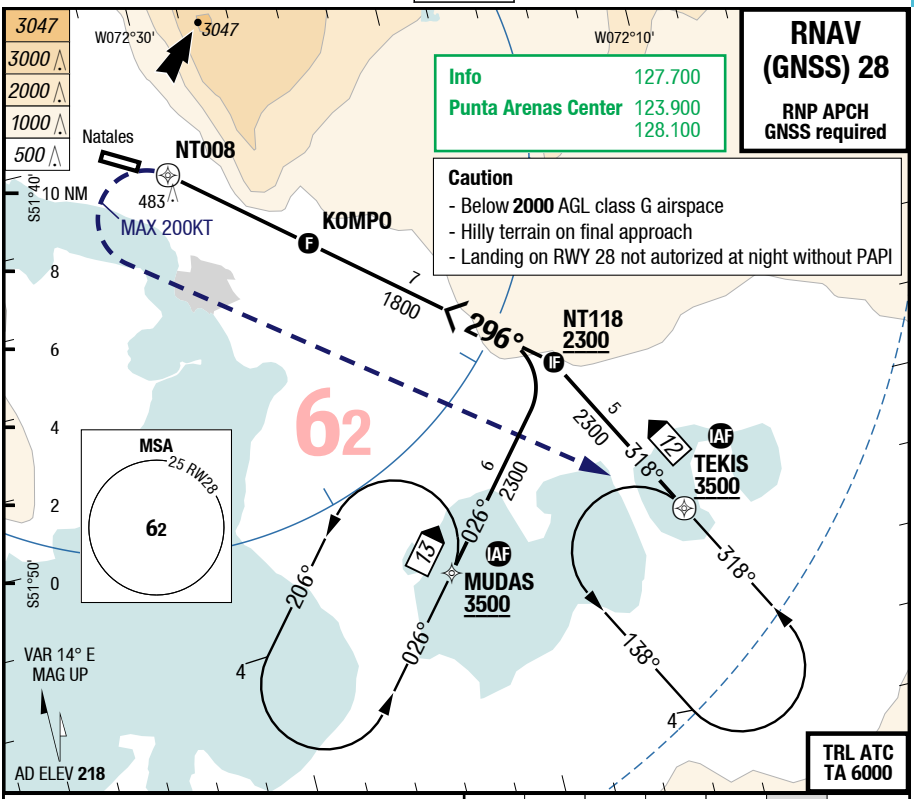
Changes: PROC renamed

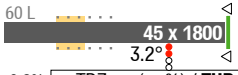
28-JUN-2018

PNT-SCNT

7-10

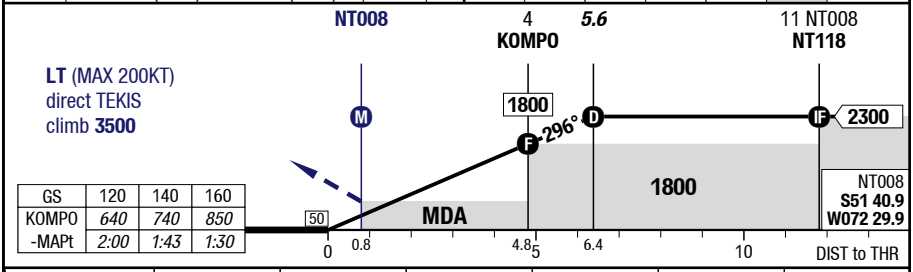
RNAV (GNSS) 28





1	2	3	5	5.6	
840	1160	1480	2120	2300	

3.00°
NT008
296°
RWY 286°



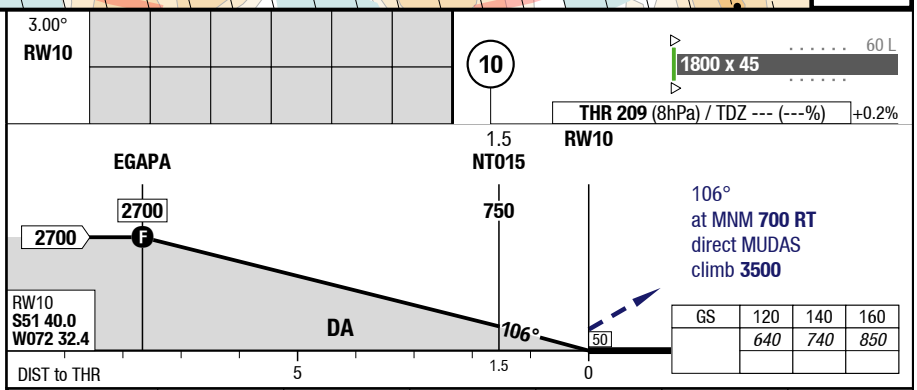
GS	120	140	160
KOMPO	640	740	850
-MAPt	2:00	1:43	1:30

28		RNAV GNSS LNAV 1)					Circling 2) TERPS
C	ft - m/km ft	530 - 2.4V **740**					750 - 3.6V **960**
D	ft - m/km ft	Not published					Not published

1) HN NA when VGSI INOP
2) SW od AD only

Changes: new

Changes: Nil



10		RNAV RNP 0.20 VNAV 1)					Circling TERPS
C	ft - m/km ft	360 - 1.6V **560** 2)					Not published
D	ft - m/km ft	Not published					Not published

1) Uncompensated BARO VNAV NA below 0°C (32°F) or above 54°C (129°F)
2) With EVS VIS 1.1km

RNAV (RNP) Z 28

RNP AR APCH
GNSS, RF required

Info	127.700
Punta Arenas Center	123.900 128.100

5164
4000
3000
2000
1000
500

IAF **NEPOL**
FL150
RNP 0.3
134°
17.2
FL120
314°
155°
UGAPO
FL120
8.9
NT450
FL100
8.9
NT361
FL80
8.9
6000
MAX 210KT
700
RW28
RNP 1.0
286°
Natales 483
DAKAN
F
2.91 Arc L
2000
3.4
NT086
2500
MAX 180KT
2500
6.6
352°
MUDAS
3500
IF
352°
12.0
4.21 Arc L
3500
NT273
6000
MAX 210KT
172°
4
3500
11.5
NT267
6000
6000
11.5
321°
IAF
SIRUN
FL70
RNP 0.3

10 NM
S51°30'
S51°40'
S52°00'
W072°30'
W072°00'

20 RW28
25 RW28
30 RW28
40 RW28

R45

VAR 14° E
MAG UP
AD ELEV **218**

TRL ATC
TA 6000

60 L
45 x 1800
3.2°
-0.2%
TDZ --- (---%) / **THR 218** (8hPa)
28

2	3	4	5	5.3		3.10°
930	1260	1590	1920	2000		RW28

RW28

286°
at MNM **700 LT** (MAX 210KT)
direct MUDAS
climb **3500**

GS	120	140	160
	660	770	880

5.3 RW28
DAKAN
2000
286°
F
2000
DA
50
0
5
5.3
DIST to THR
RW28
S51 40.5
W072 31.1

28		**RNAV** RNP 0.10 VNAV 1)	**RNAV** RNP 0.20 VNAV 1)				**Circling** TERPS
C	ft - m/km ft	440 - 2.0V **650** 2)	480 - 2.2V **690** 3)				Not published
D	ft - m/km ft	Not published	Not published				Not published

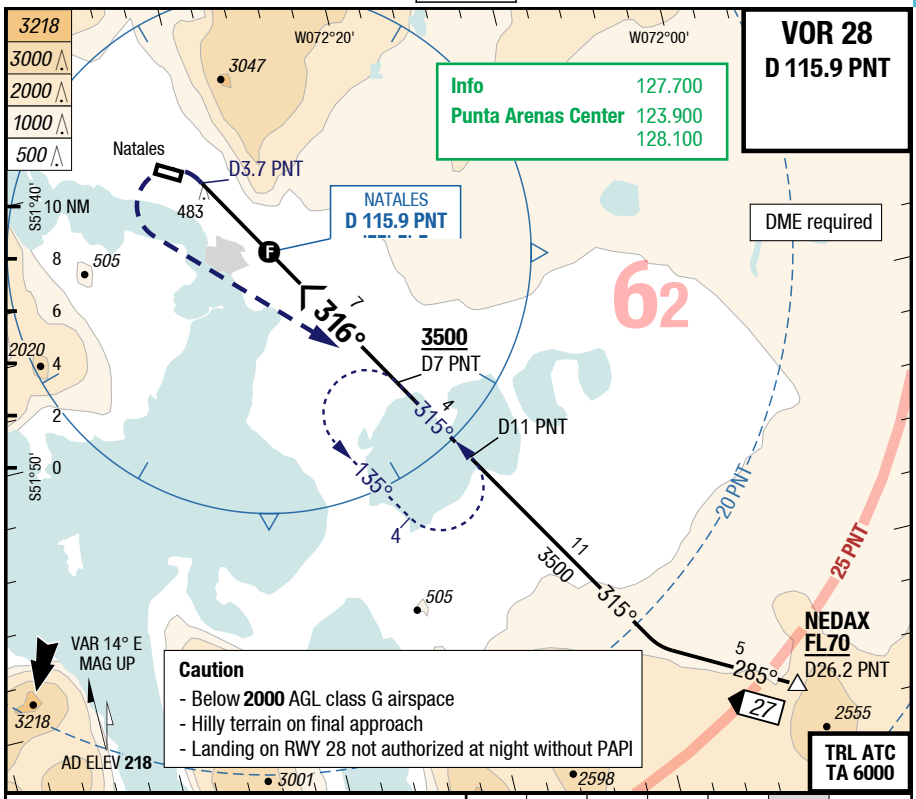
1) Uncompensated BARO VNAV NA below 0°C (32°F) or above 54°C (129°F) 2) With EVS VIS 1.3km 3) With EVS VIS 1.5km

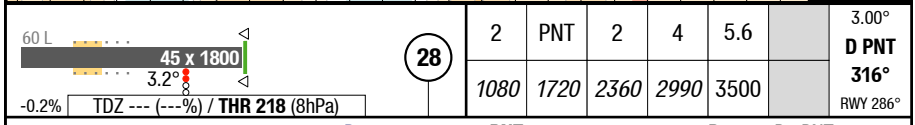
28-JUN-2018

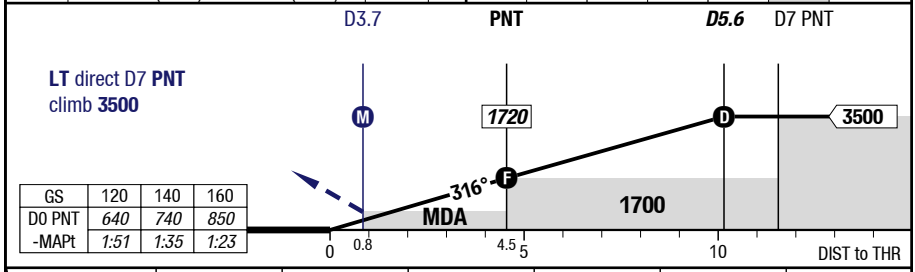
PNT-SCNT

7-50

VOR 28







TERPS 28		VOR 1)					Circling 2) TERPS
C	ft - m/km ft	530 - 2.4V **740**					750 - 3.6V **960**
D	ft - m/km ft	Not published					Not published

1) HN NA when VGSI INOP
2) SW od AD only

Changes: new