

GENERAL**Operational Hours**

ATS Hours / AD Activity Hours: 0615-2220†. In case PPR is activated 0615-0020†

AD Hours: 0630-2200† PS 2HR PPR

Airport Information

RFF: CAT 7

PCN: RWY 11/29: 124/F/A/W/T

RWY 11: first 200m / 656ft 50/R/C/W/T

RWY 29: first 120m / 394ft 50/R/C/W/T

Operation

Traffic Note: PPR and AD authorization required for ACFT code letter D.

Low Visibility Procedure

LVP not AVBL at AD.

When RVR is 550m or below all the operations in the movement area will come to a standstill.

When RVR BTN 500m and 800m, only one ACFT at a time is allowed on the maneuvering area.

Standard Taxi Routes

ARR ACFT:

- RWY 29: vacate RWY via Y-2, Y-3 or Y-4.
- RWY 11: vacate RWY via Y-2 or Y-1.

DEP ACFT:

- RWY 29: taxi via T-1 and Y-1.
- RWY 11: taxi via T-3 and Y-4 or Y-3.

Taxi/Parking

Code letter D and E ACFT:

ARR and DEP to/from APN only via TWY A except when guided via TWY T.

Turn pads 11, 29: Apply an angle of greater than 45° to turning the nosewheel.

Use judgemental oversteering in the following turns: A-T1, A-T2, T1-Y1, T2-Y2, Y3-T3, Y4-T3, RWY 11/29-Y1, RWY 11/29-Y2, RWY 11/29-Y3, RWY 11/29-Y4.

ARR ACFT: Follow-me AVBL from TWY A to assigned stand.

DEP ACFT: Follow-me AVBL from stand to TWY A.

APU

Use of APU restricted to 2min after on-block and 5min before off-block time.

Exceptions:

- if stand is not equipped with AC power (400Hz) and mobile GPU not AVBL.
- if air condition is required and no ACU AVBL.

Engine Run-up

ENG test higher than idle O/R to CEOPS office, ENG test areas on TWY T1, T3.

GENERAL**Warnings****SNR VOR/DME** unusable:

R090-R200 at or below FL80

R200-R280 at or below FL95

R280-R090 at or below 4000ft

SNR VOR unusable:

R357 at or below FL80 between D26-D28

Approach RWY 29:

Expect wind shears and turbulences in an area up to 10 NM from GND - 1800ft if wind at THR 29 varies between 190-220° with 20KT and above, frequently with gusts above 30KT. In these situations approach to RWY 29 not recommended.

Birds in vicinity of AD.

ARRIVAL**Communication****COM Failure****During LVP**

If the ACFT has just landed, shall maintain position when leave RWY and shall wait for follow-me.

If ACFT already have a taxiing ATC CLR, shall continue by the assigned route to the limit of such authorization, extreme caution, which shall maintain position and shall wait for follow-me.

DEPARTURE**Take-off Minima**

RWY		11/29	
All ACFT	ft - m/km	0 - 550R/550V	-

Communication**COM Failure****During LVP**

Continue by the assigned route and shall stop at the limit of an ATC CLR, extreme caution, which shall maintain position and shall wait for follow-me.

De-Icing

Not AVBL

26-JAN-2017

Spain **Santander** Seve Ballesteros-Santander

AFC

AFC

AFC

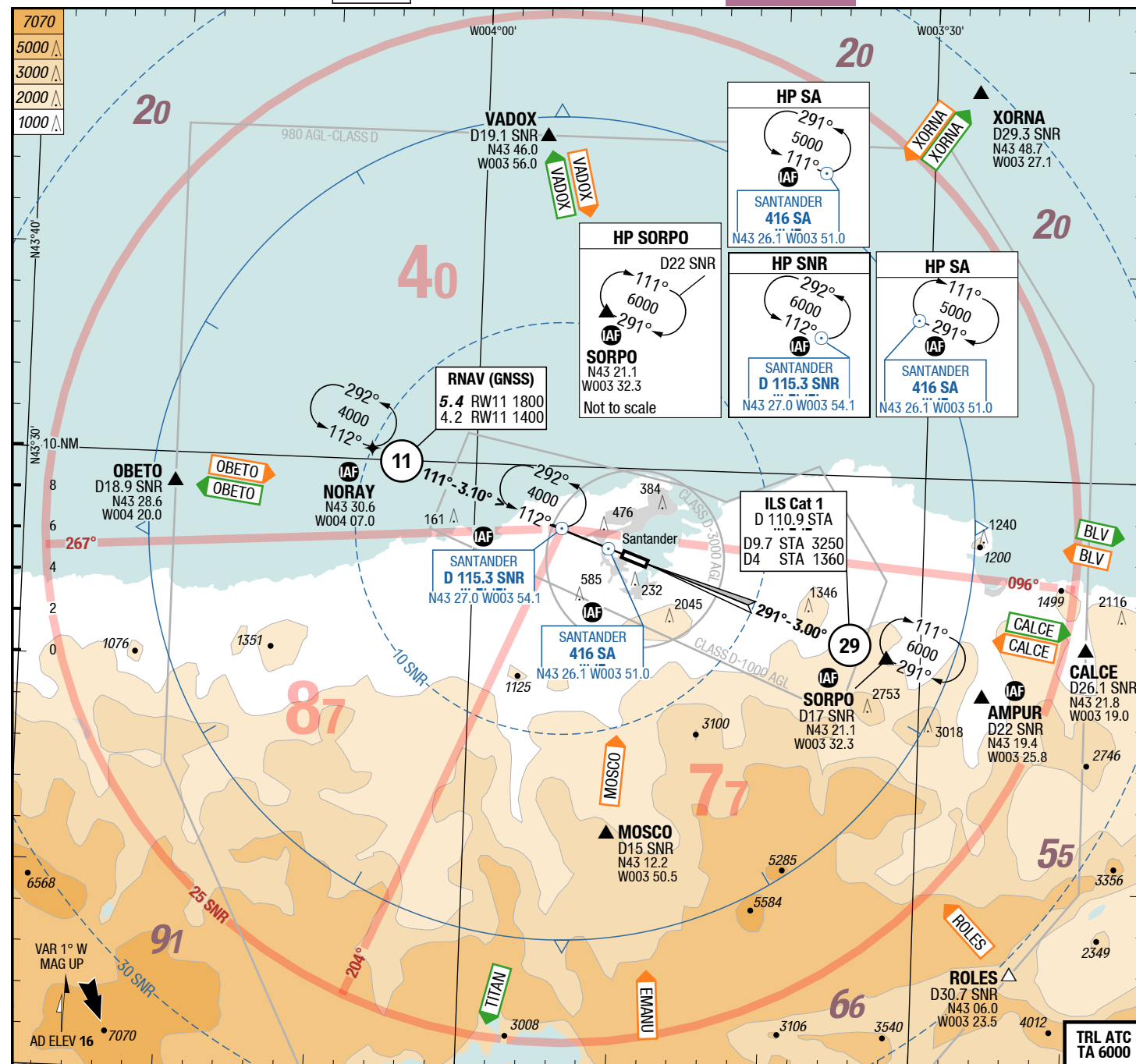
Seve Ballesteros-Santander **Santander** Spain

AGC

AFC

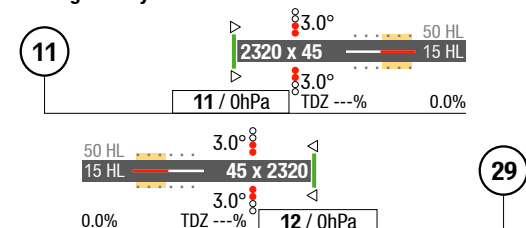
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2-10



APP	118.375	HO
TWR	118.100	HO
GND	121.700	HO

Landing RWY system:



Changes: IAF, OBST, HLDG, APCH boxes

Effective 02-FEB-2017

26-JAN-2017

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AGC

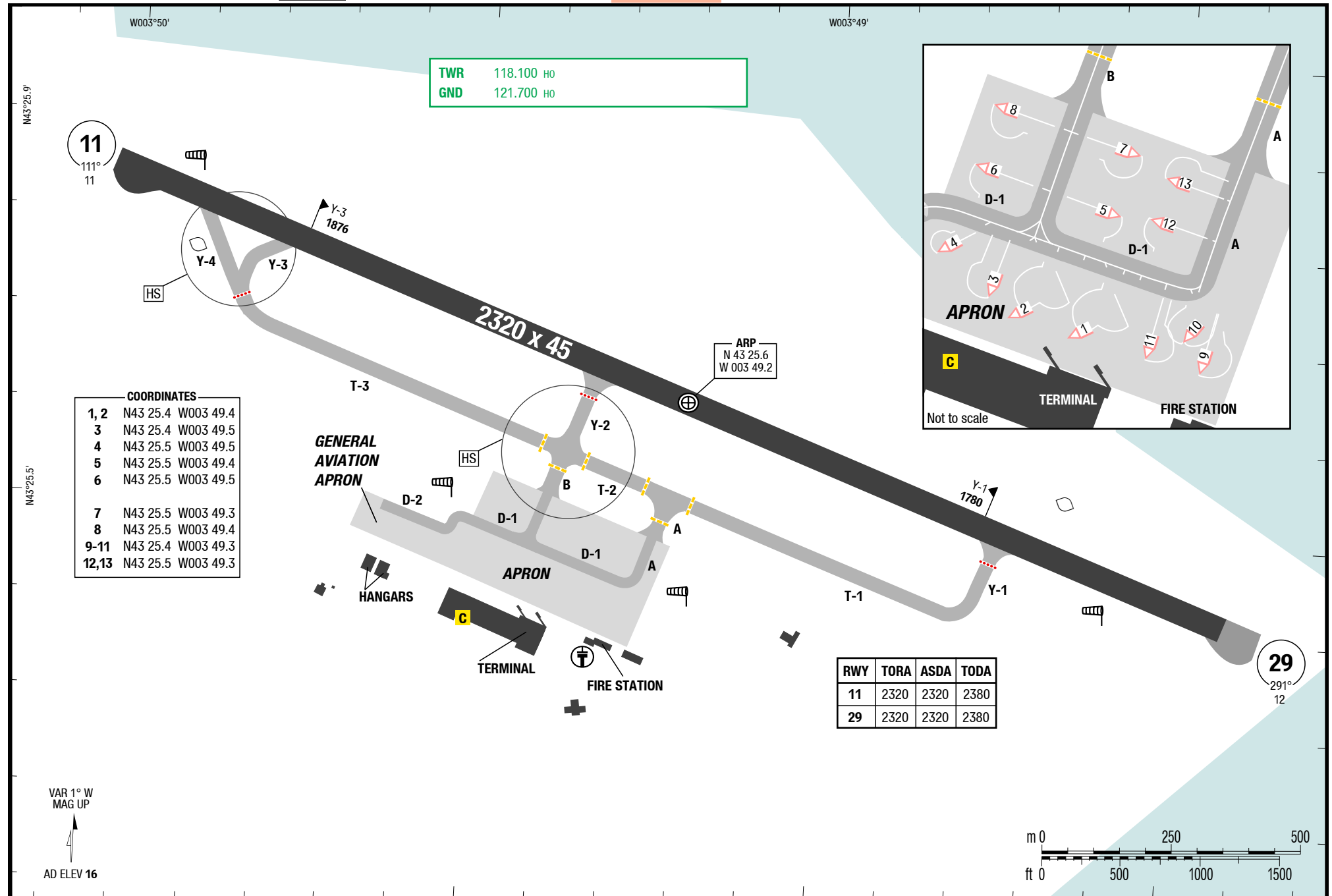
AGC

AGC

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AGC

3-20



COORDINATES		
1, 2	N43 25.4	W003 49.4
3	N43 25.4	W003 49.5
4	N43 25.5	W003 49.5
5	N43 25.5	W003 49.4
6	N43 25.5	W003 49.5
7	N43 25.5	W003 49.3
8	N43 25.5	W003 49.4
9-11	N43 25.4	W003 49.3
12,13	N43 25.5	W003 49.3

RWY	TORA	ASDA	TODA
11	2320	2320	2380
29	2320	2320	2380

Changes: Nil

26-JAN-2017

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SIDs RWY 29

4-10

SIDs RWY 11

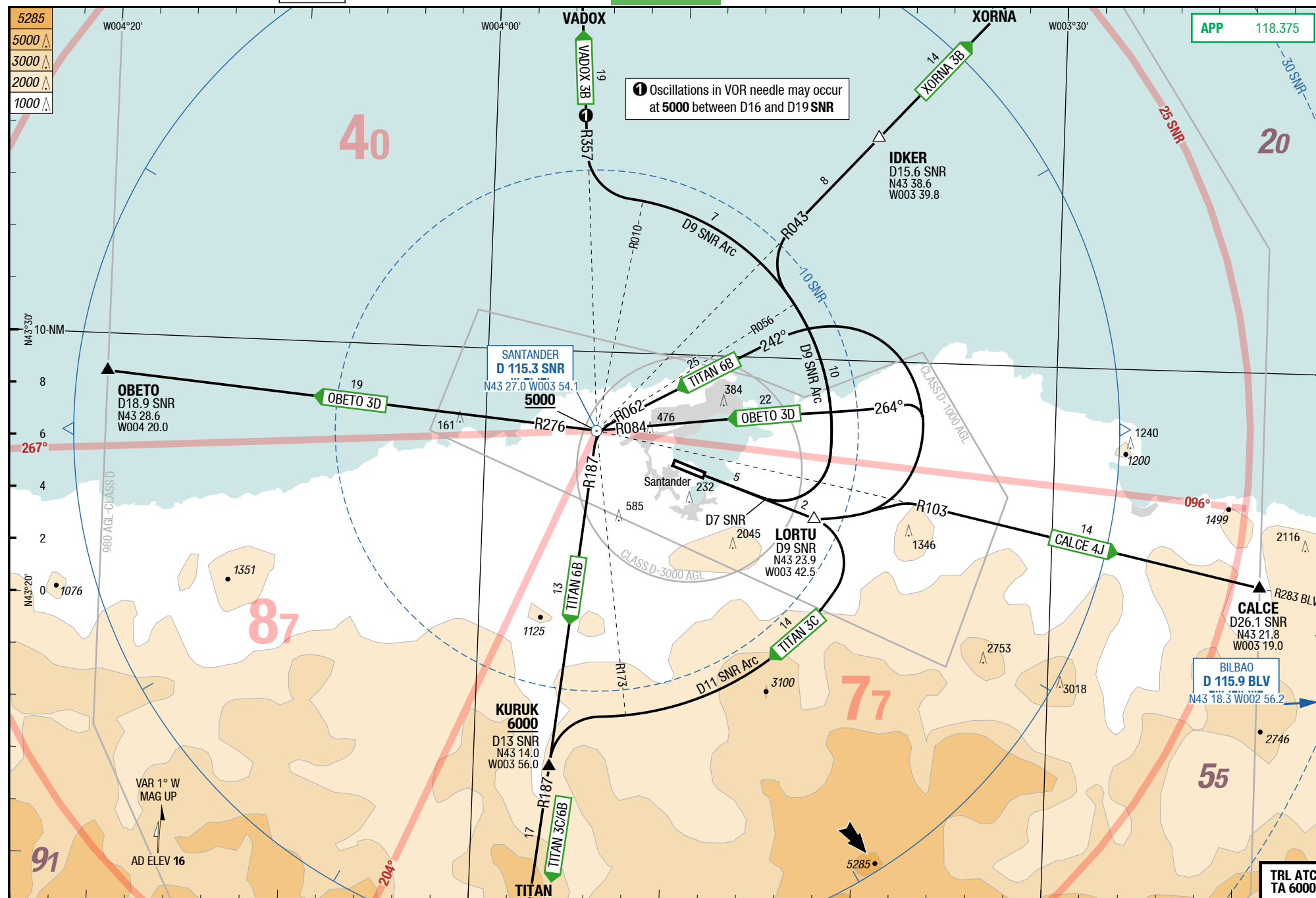
SID

SID

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SIDs RWY 29

SIDs RWY 11



Changes: Track, OBST, PROC renumbered, Note

Effective 02-FEB-2017

26-JAN-2017

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4-20

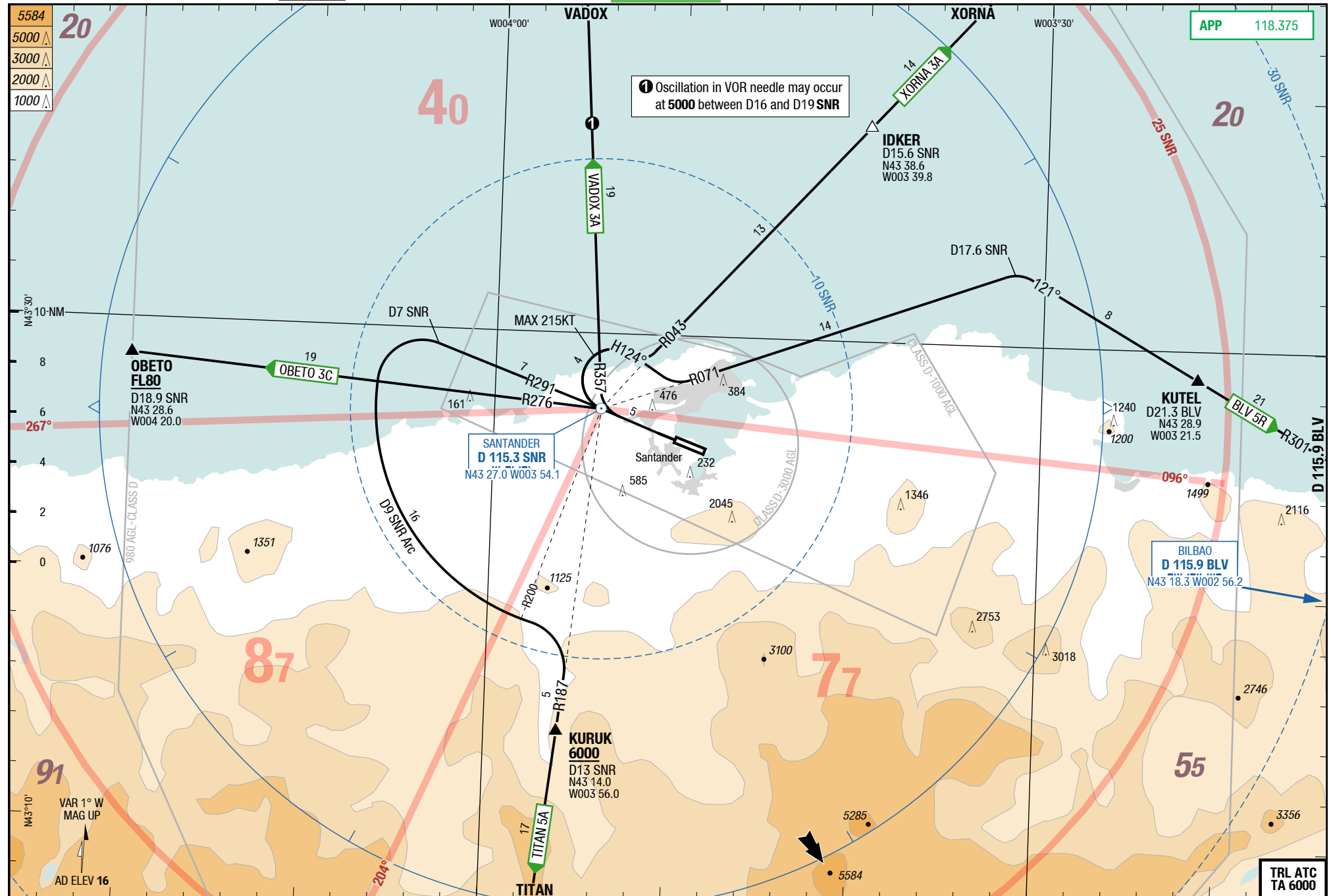
SIDs RWY 29

SID

SID

Seve Ballesteros-Santander Santander Spain

SIDs RWY 29



Changes: Track, OBST, PROC renumbered, Note

CALCE 4J / OBETO 3D / TITAN 3C / TITAN 6B / VADOX 3B / XORNA 3B

RWY 11 (111°)

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
6.0%	ft/MIN	800	1000	1100	1300	1500	1700
6.2%	ft/MIN	800	1000	1200	1400	1600	1700

DESIGNATOR	ROUTING	ALTITUDES
	Runway 11	
CALCE 4J 6.0% to FL75 118.375	at LORTU LT intercept R103 SNR (R283 BLV inbound) to CALCE	
OBETO 3D 5.0% to 6000 118.375	at LORTU LT intercept R084 SNR to SNR - R276 SNR to OBETO	SNR MNM 5000
TITAN 3C 6.2% to FL75 118.375	at LORTU RT follow D11 SNR Arc - crossing R173 SNR LT intercept R187 SNR to KURUK - TITAN	KURUK MNM 6000
TITAN 6B 5.0% to FL75 118.375	at LORTU LT intercept R062 SNR to SNR - R187 SNR to KURUK - TITAN	SNR MNM 5000 KURUK MNM 6000
VADOX 3B 5.0% to 5000 118.375	at D7 SNR LT follow D9 SNR Arc - crossing R010 SNR RT intercept R357 SNR to VADOX	
XORNA 3B 5.0% to 5000 118.375	at D7 SNR LT follow D9 SNR Arc - crossing R056 SNR RT intercept R043 SNR to IDKER - XORNA	

BILBAO 5R / OBETO 3C / TITAN 5A / VADOX 3A / XORNA 3A

RWY 29 (291°)

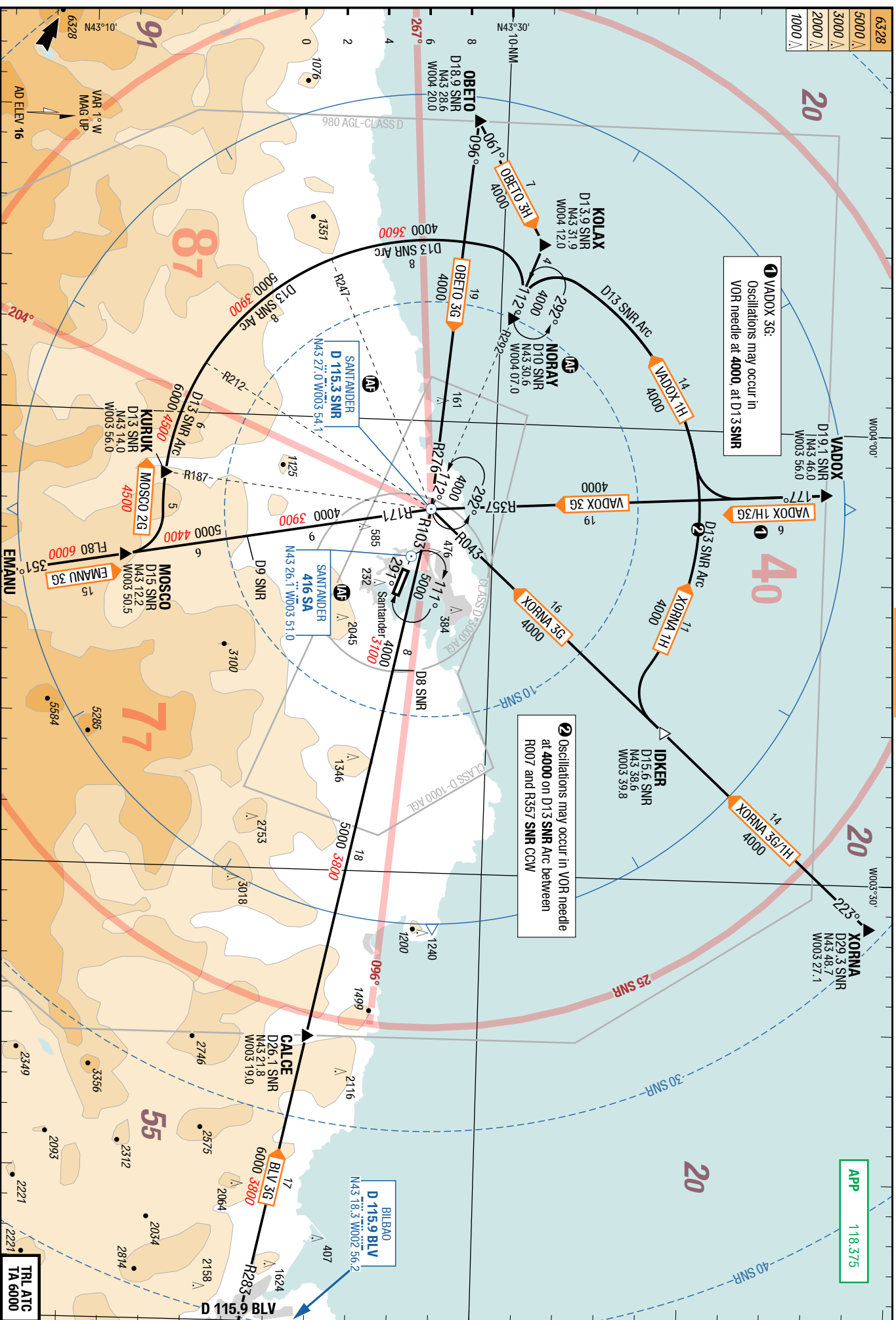
	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

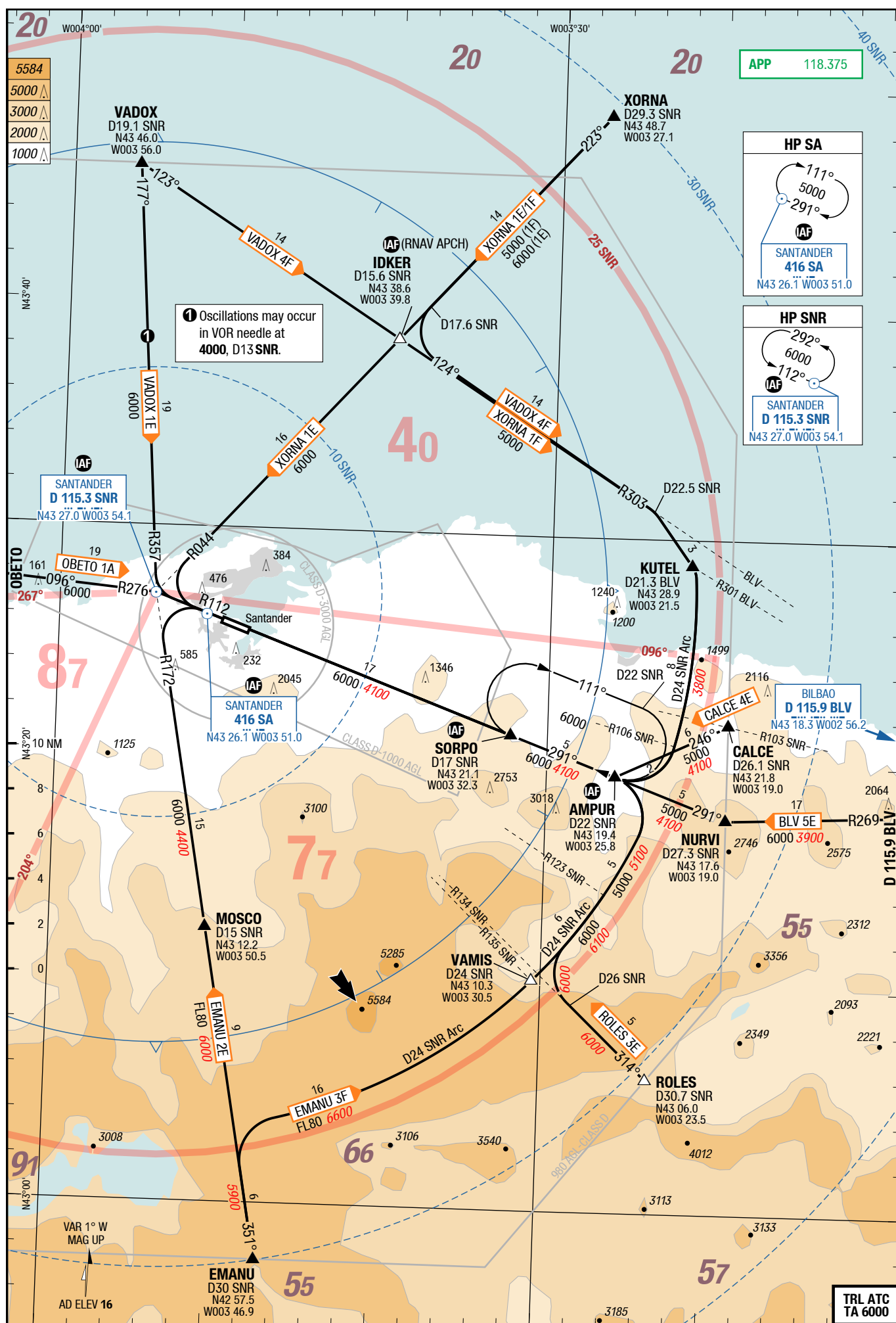
DESIGNATOR	ROUTING	ALTITUDES
	Runway 29	
BILBAO 5R BLV 5R 5.0% to 5000 118.375	direct SNR - RT (MAX 215KT) HDG 124° intercept R071 SNR - at D17.6 SNR RT intercept R301 BLV via KUTEL to BLV	
OBETO 3C 6.0% to FL75 118.375	direct SNR - R276 SNR to OBETO	OBETO MNM FL80
TITAN 5A 5.0% to FL75 118.375	direct SNR - R291 SNR - at D7 SNR LT follow D9 SNR Arc - crossing R200 SNR RT intercept R187 SNR to KURUK - TITAN	KURUK MNM 6000
VADOX 3A 5.0% to FL75 118.375	direct SNR - R357 SNR to VADOX	
XORNA 3A 5.0% to 5000 118.375	direct SNR - RT (MAX 215KT) HDG 124° intercept R043 SNR to IDKER - XORNA	

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STAR'S RWY 29

STARS Rwy 11





Effective 22-JUN-2017

15-JUN-2017

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CDA STARs RWY 11 (ATC)

6-30

BILBAO 1S / EMANU 1S

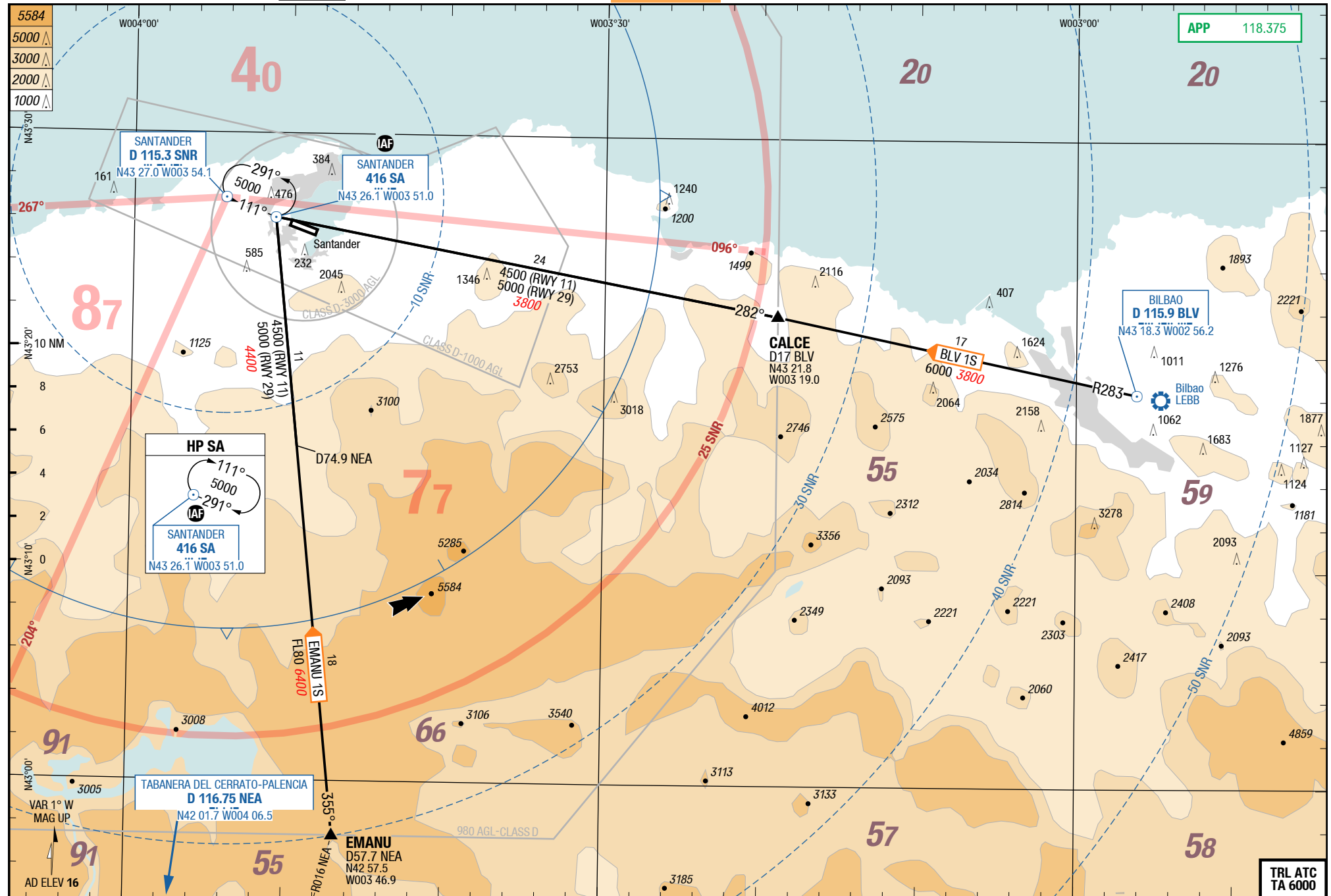
STAR

STAR

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CDA STARs RWY 11 (ATC)

BILBAO 1S / EMANU 1S



Changes: Nil

Effective 22-JUN-2017

15-JUN-2017

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6-40

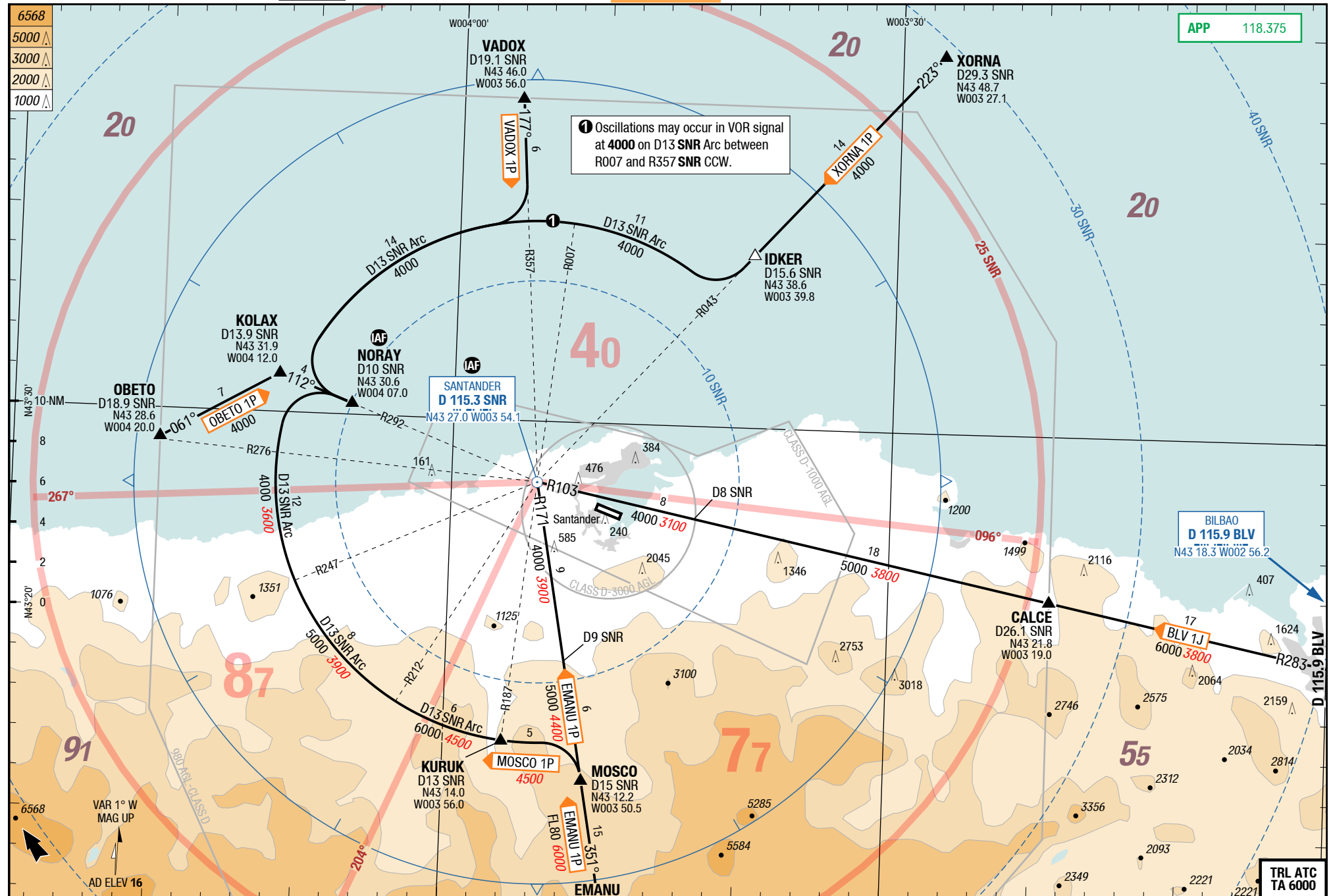
CDA STARs RWY 11 (ATC)

STAR

STAR

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CDA STARs RWY 11 (ATC)



Changes: PROC renamed, OBST, Note, Editorial

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NIL

6-50

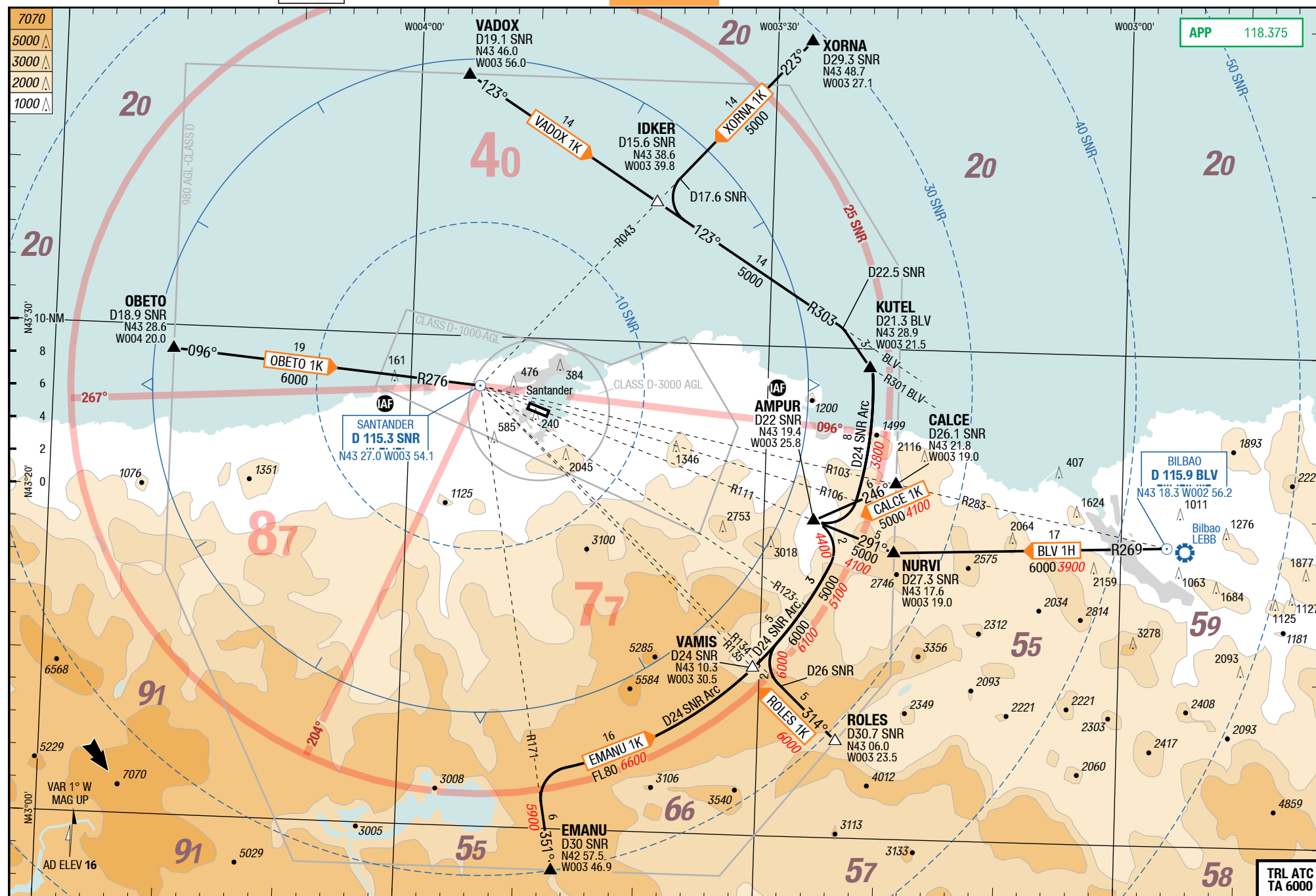
CDA STARs RWY 29 (ATC)

STAR

STAR

NIL

CDA STARs RWY 29 (ATC)



Changes: Track, PROC renamed, OBST

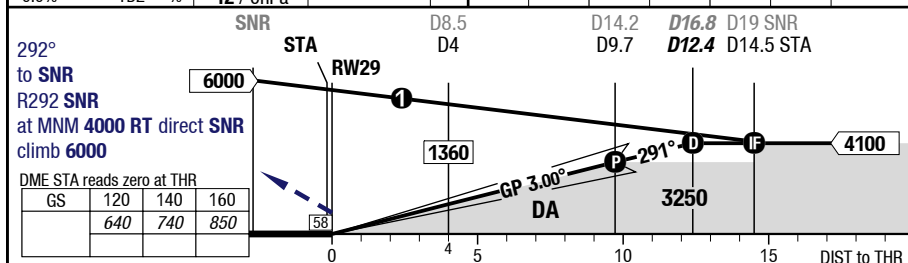
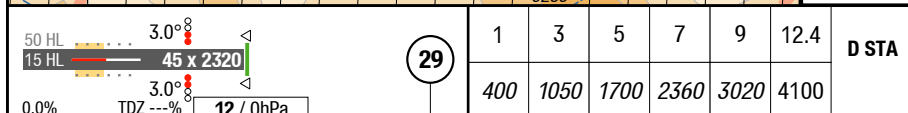
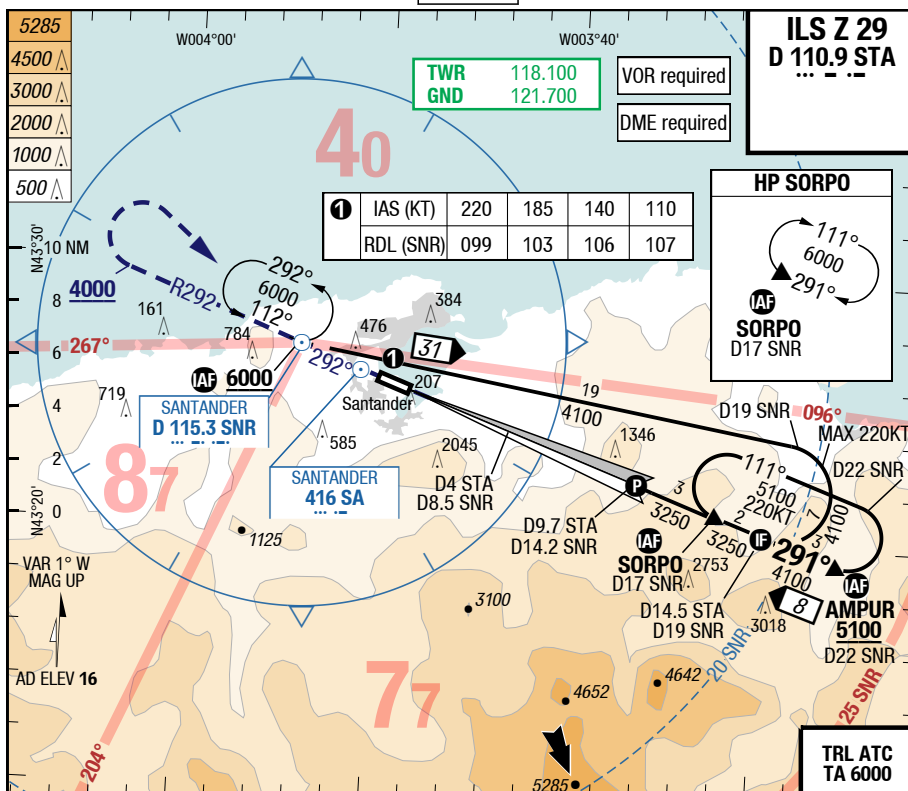
TRL ATC
TA 6000

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7-10

ILS Z 29



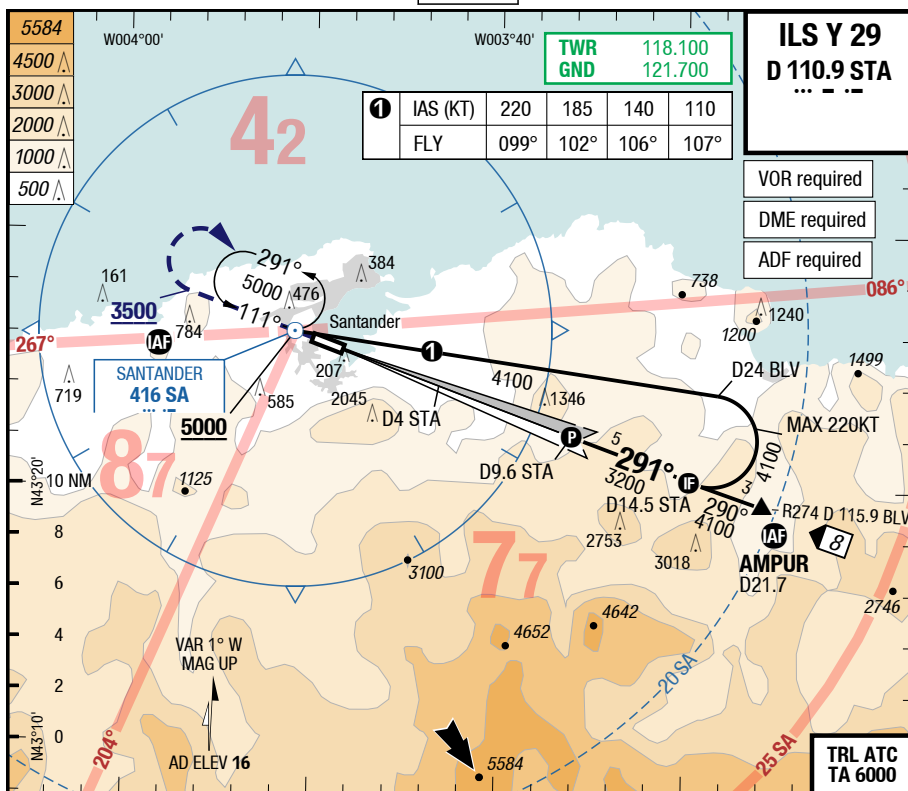
29		Cat 1 DME ¹⁾					Circling
C	ft - m/km ft	360 - 1.6 370					2490 - 2.4V 2500
D	ft - m/km ft	370 - 1.7 380					2490 - 3.6V 2500

1) With EVS 1.1km

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7-20

ILS Y 29



50 HL 3.0° 8
15 HL 45 x 2320
0.0% TDZ 3.0° 8
12 / OhPa

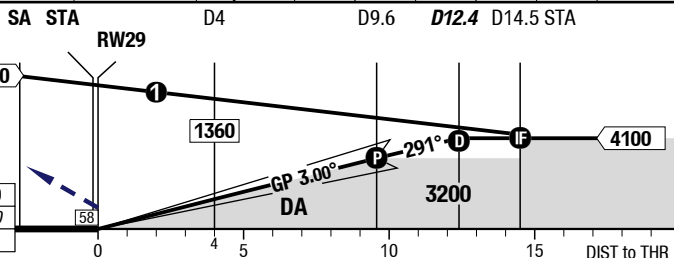
29

1	3	5	7	9	12.4	D STA
400	1050	1700	2360	3020	4100	

291°
intercept QDR 291° SA
at MNM 3500 RT
direct SA
climb 5000

DME STA reads zero at THR

GS	120	140	160
	640	740	850



29	Cat 1 DME					Circling
C	ft - m/km ft	360 - 1.6 370				2490 - 2.4V 2500
D	ft - m/km ft	370 - 1.7 380				2490 - 3.6V 2500

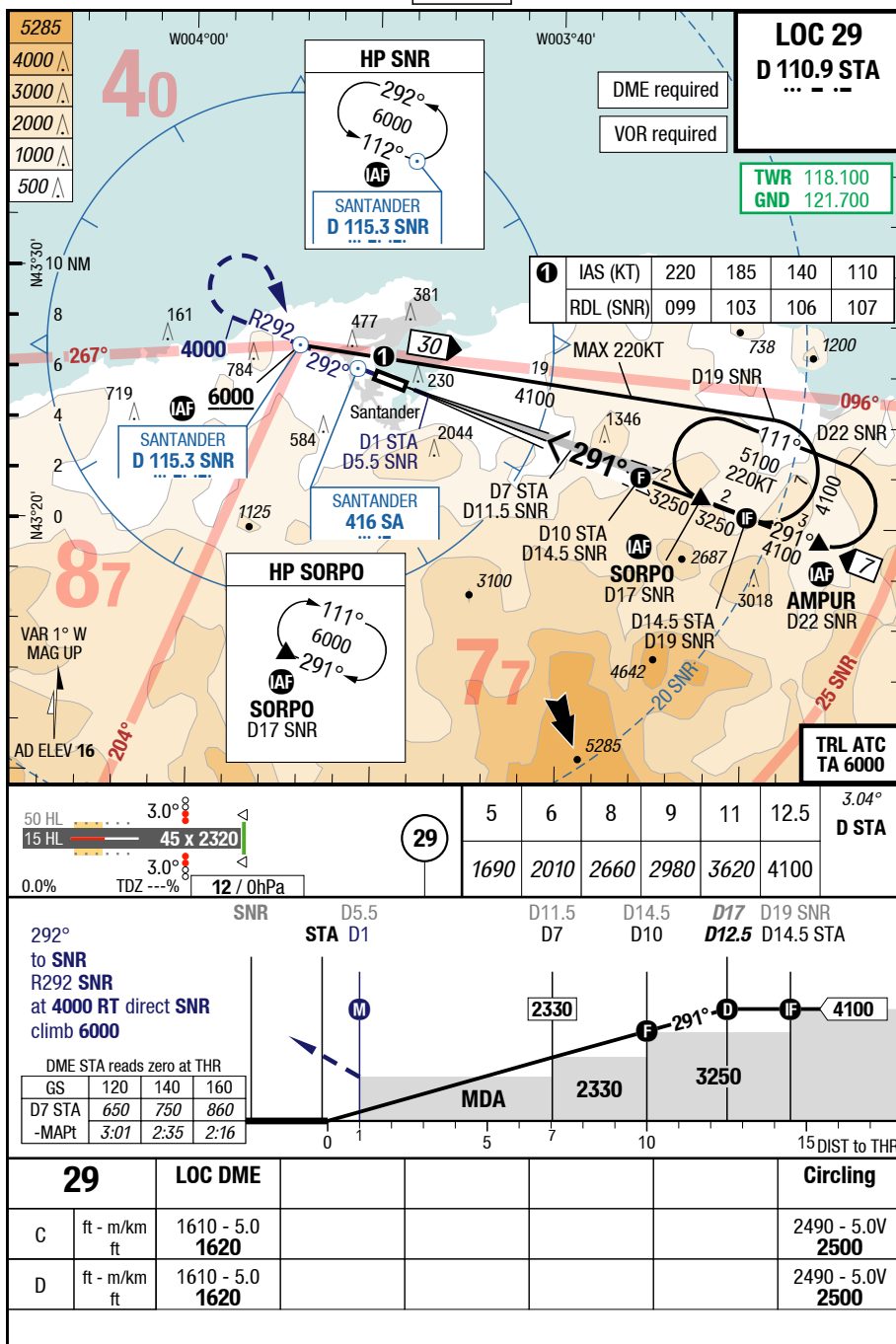
1) With EVS 1.1km

Changes: new

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7-30

LOC 29



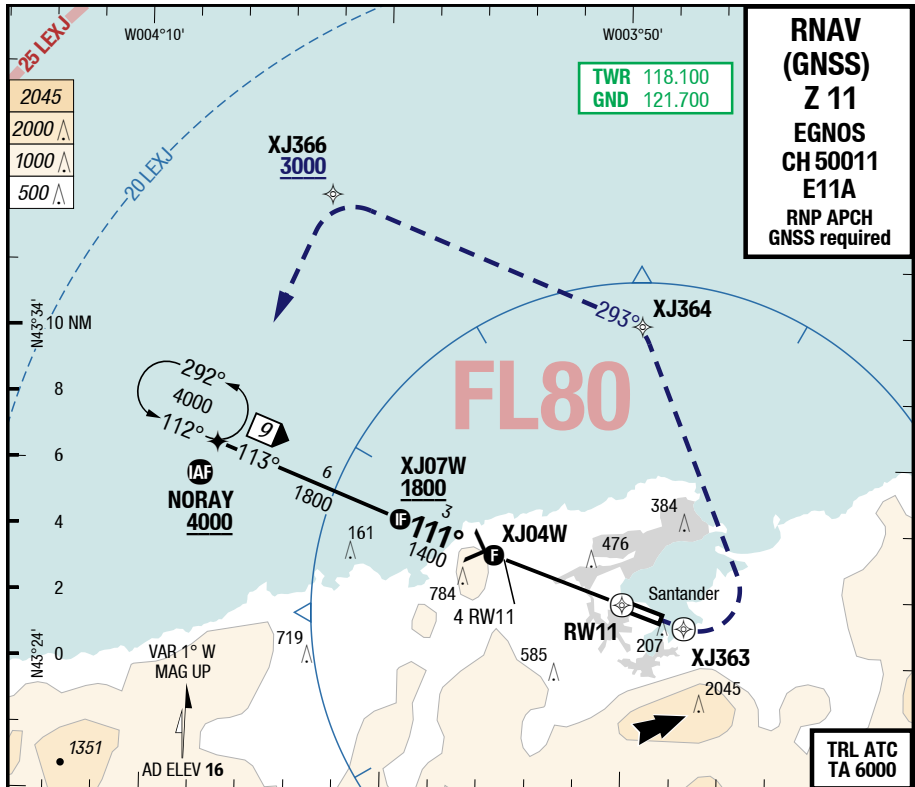
14-JUN-2018

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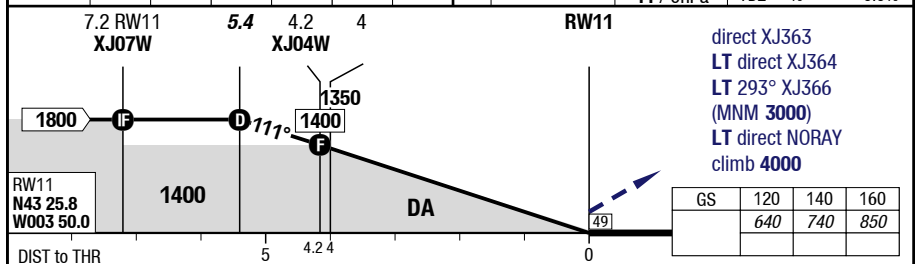
7-50

RNAV (GNSS) Z 11

IAC



3.00° RW11	5.4	5	4	3	2	1	11	3.0°	50 HL
	1800	1670	1350	1030	710	390		2320 x 45	15 HL
								11 / OhPa	TDZ ---% 0.0%



11	RNAV GNSS					Circling
C	ft - m/km ft	330 - 1.5 340				2490 - 2.4V 2500
D	ft - m/km ft	340 - 1.5 350				2490 - 3.6V 2500

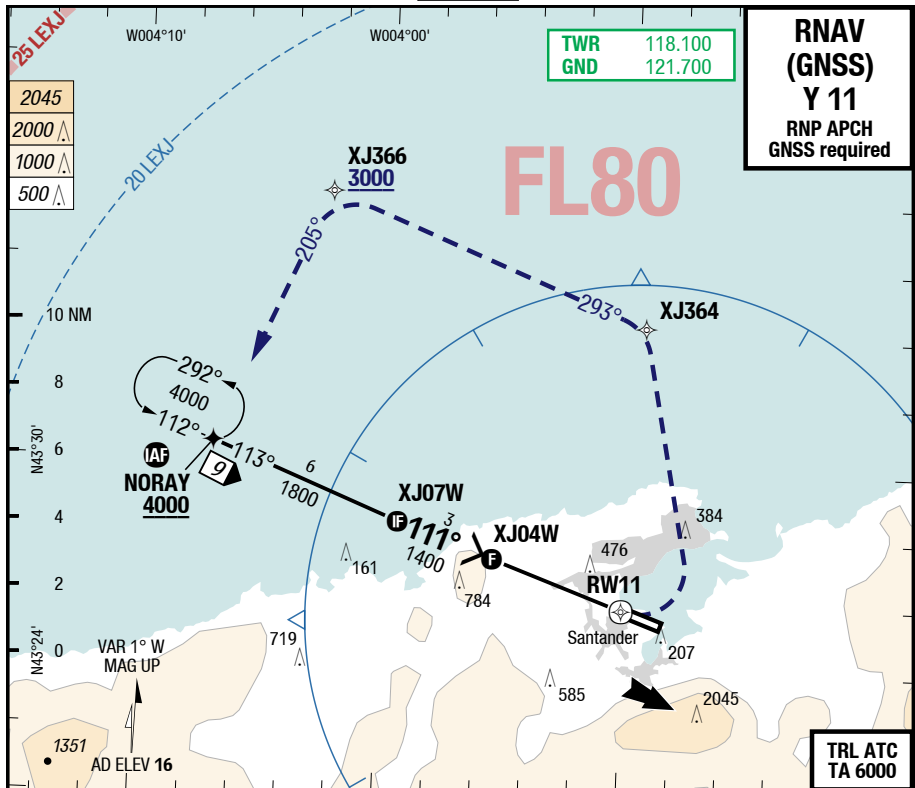
1) With EVS 1.0km

Changes: Nil

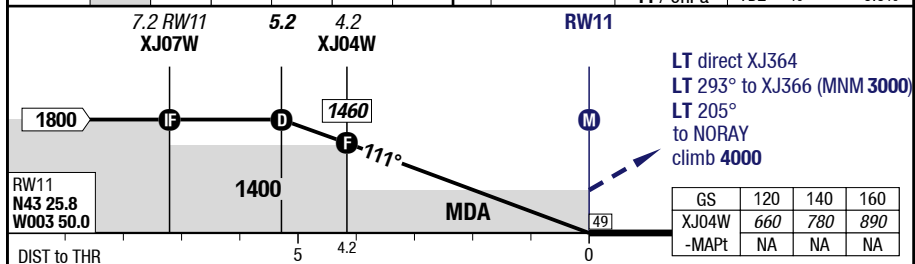
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7-60

RNAV (GNSS) Y 11



3.15° RW11		5.2	5	4	3	2	<div>11</div>	<div><div><div>3.0°</div><div>2320 x 45</div><div>3.0°</div></div><div><div>50 HL</div><div>15 HL</div></div></div>
		1800	1740	1400	1070	730		

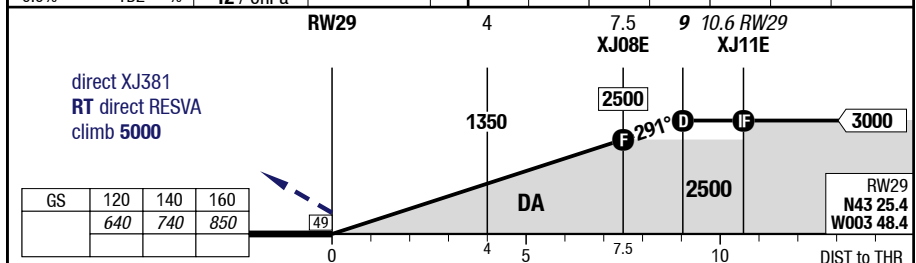
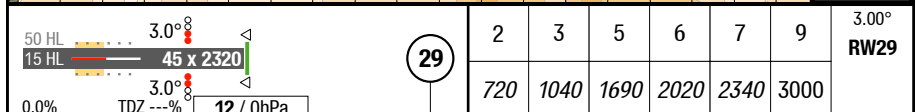
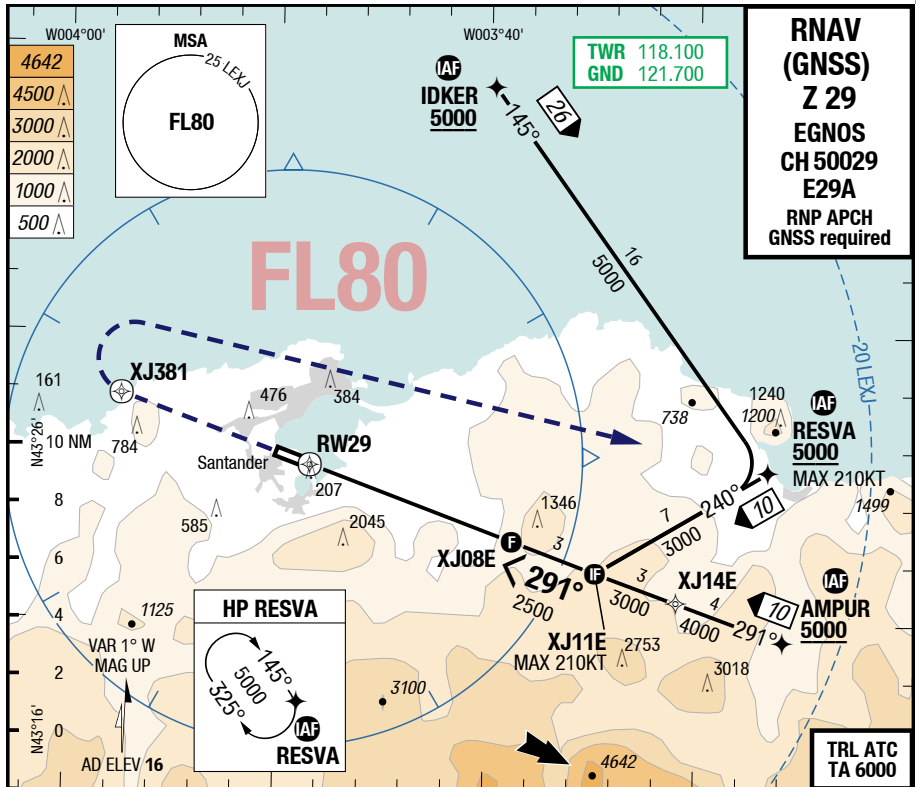


11		RNAV GNSS VNAV 1) 2)	RNAV GNSS LNAV				Circling
C	ft - m/km ft	680 - 2.4 690	680 - 2.4 690				2490 - 2.4V 2500
D	ft - m/km ft	680 - 2.4 690	680 - 2.4 690				2490 - 3.6V 2500

1) Uncompensated BARO VNAV NA below -10°C (14°F)				
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2) With EVS 1.6km, wo EVS use STD

Changes: DIST ALT table, ROD, TCH, MISAP text, Editorial



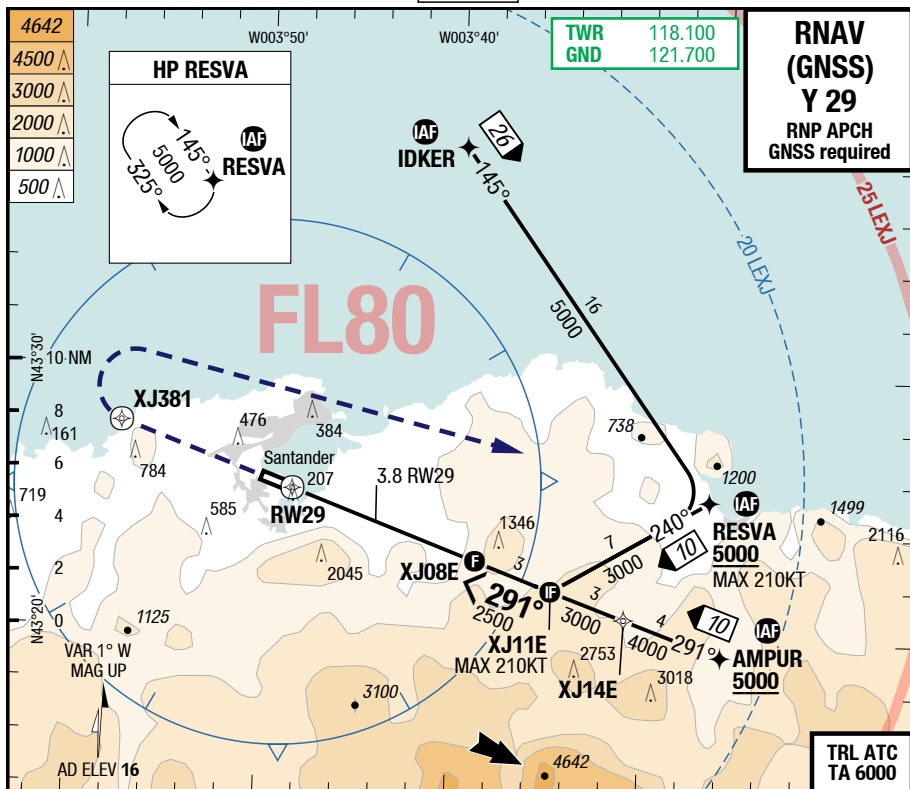
29	RNAV GNSS					Circling
C	ft - m/km ft	390 - 1.8 400				2490 - 2.4V 2500
D	ft - m/km ft	400 - 1.8 410				2490 - 3.6V 2500

1) With EVS 1.2km

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7-80

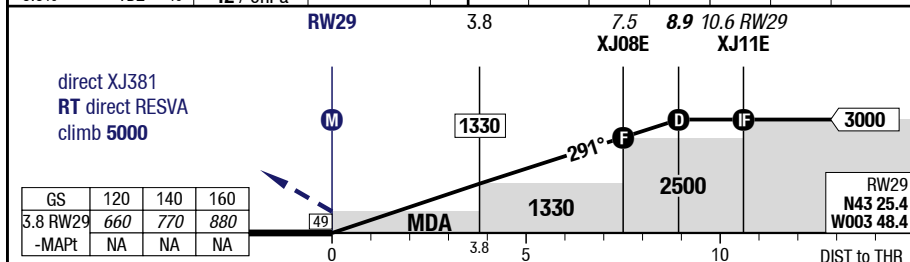
RNAV (GNSS) Y 29



50 HL 3.0° 8
15 HL 45 x 2320
0.0% TDZ ---% 12 / 0hPa

29

2	3	4	5	6	8.9	3.12°
730	1060	1390	1720	2050	3000	RW29



29	RNAV GNSS VNAV 1) 2)	RNAV GNSS LNAV				Circling
C	ft - m/km ft	510 - 2.4 520	570 - 2.4 580			2490 - 2.4V 2500
D	ft - m/km ft	510 - 2.4 520	570 - 2.4 580			2490 - 3.6V 2500

1) Uncompensated BARO VNAV NA below -10°C (14°F)

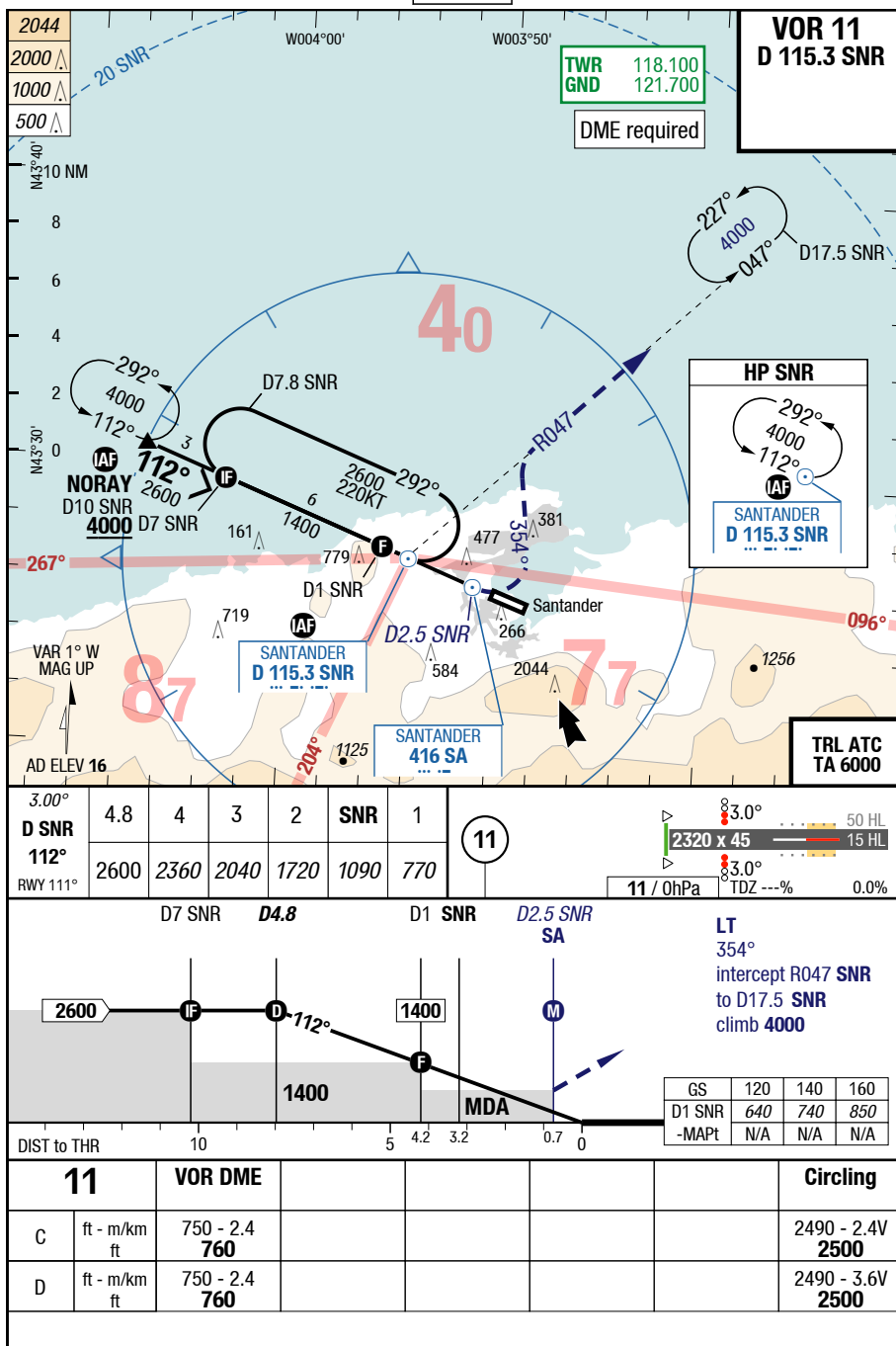
2) With EVS 1.6km, no EVS use STD

Changes: DIST ALT table, OBST, TCH, Editorial

SDR-LEXJ

7-90

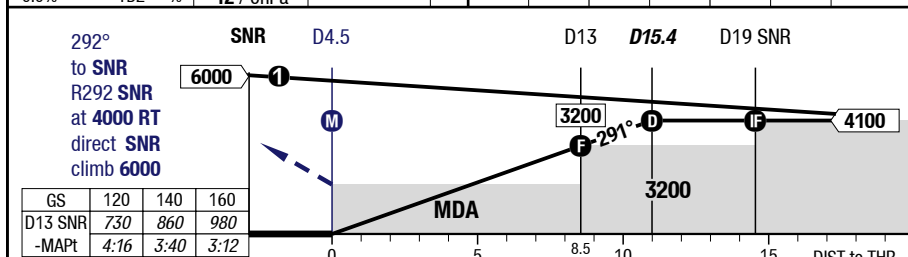
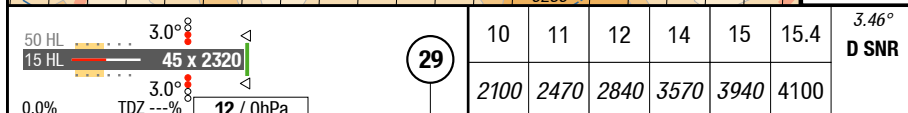
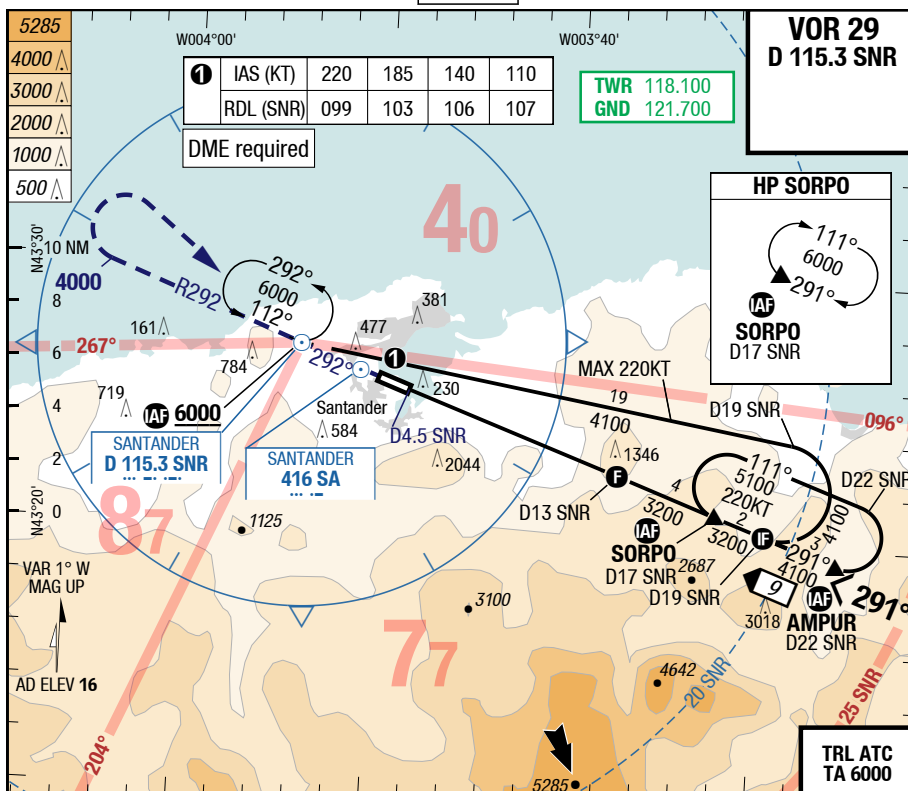
VOR 11



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7-100

VOR 29

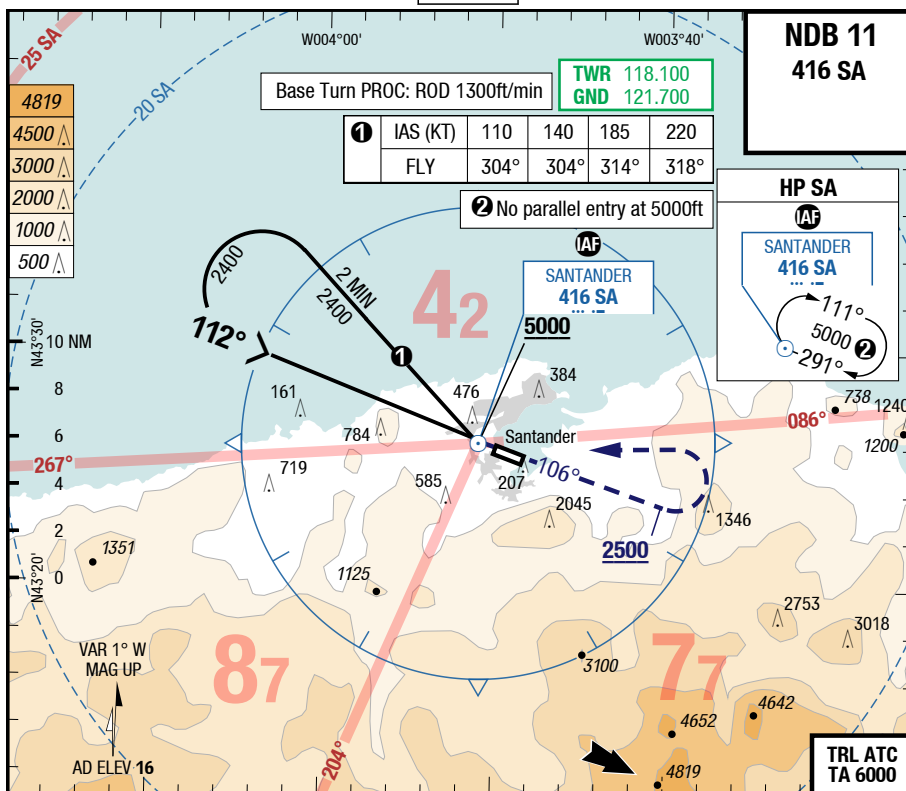


29		VOR DME					Circling
C	ft - m/km ft	1790 - 5.0 1800					2490 - 5.0V 2500
D	ft - m/km ft	1790 - 5.0 1800					2490 - 5.0V 2500

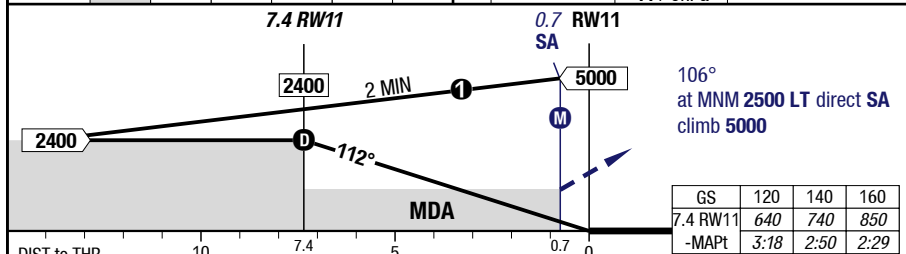
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7-110

NDB 11



3.00°		7.4	7	6	5	4	⑪	3.0°	50 HL
RW11								2320 x 45	15 HL
112°		2400	2290	1980	1660	1340		11 / OhPa	TDZ ---%
RWY 111°									0.0%



11	NDB					Circling
C	ft - m/km ft	1090 - 2.4 1100				2490 - 2.4V 2500
D	ft - m/km ft	1090 - 2.4 1100				2490 - 3.6V 2500