

16-JUL-2015

CFG-MUCF

1-10

AOI

AOI

**GENERAL****ATS Hours**

1300-2100†, except FRI 1800-0200†  
Other times O/R 24HR in advance

**Airport Information**

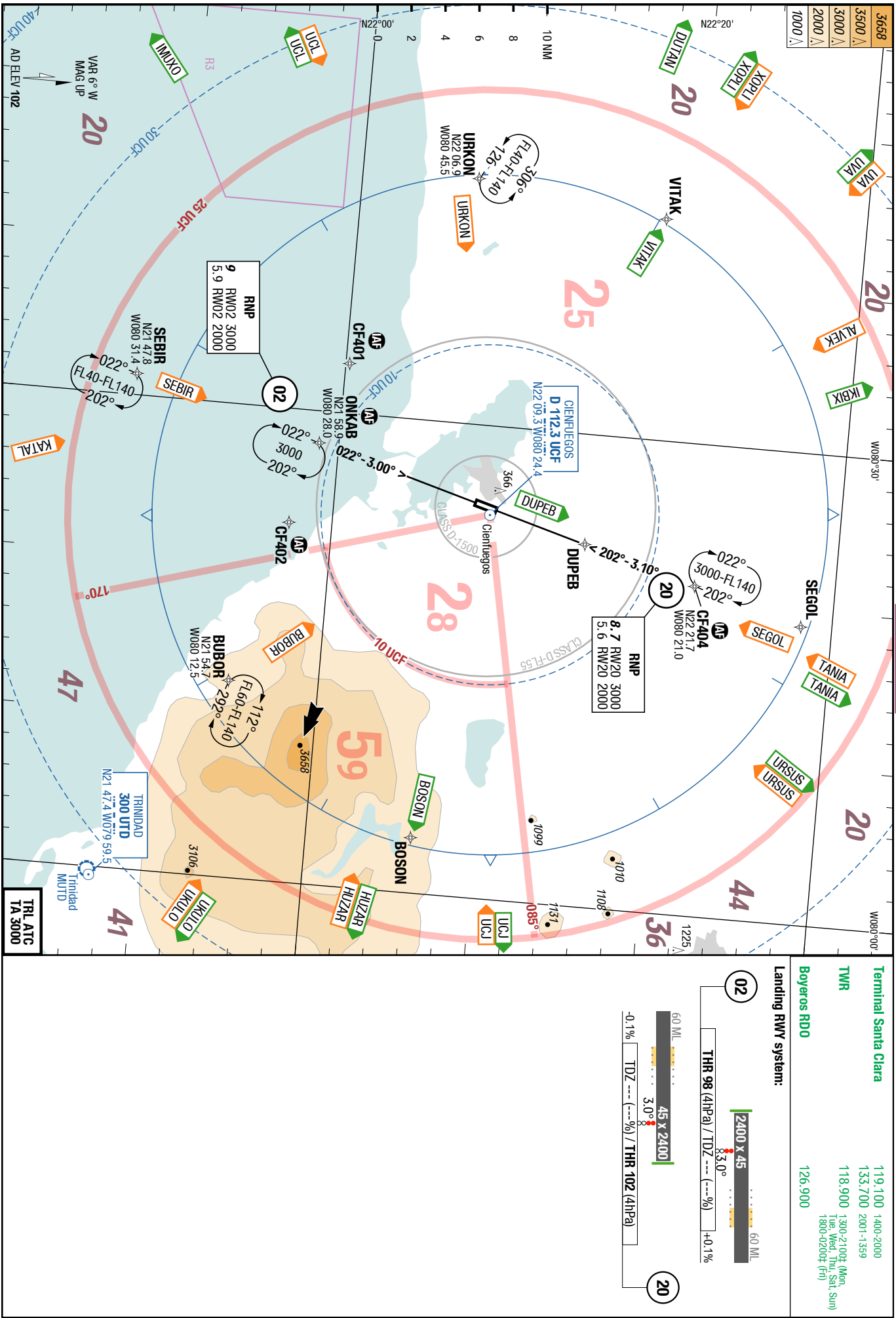
**RFF:** CAT 6  
**Fuel:** Outside ATS HRs, O/R 48HR in advance  
**PCN:** RWY 02/20: 50/F/B/W/U  
**Customs:** Outside ATS HRs, O/R 48HR in advance

**Operation**

**Taxi/Parking:** Nose-in guidance at ACFT stands.

**DEPARTURE****Take-off Minima**

RWY		02/20	
All ACFT	ft - m/km	0 - 800v	-



Effective 12-OCT-2017  
05-OCT-2017

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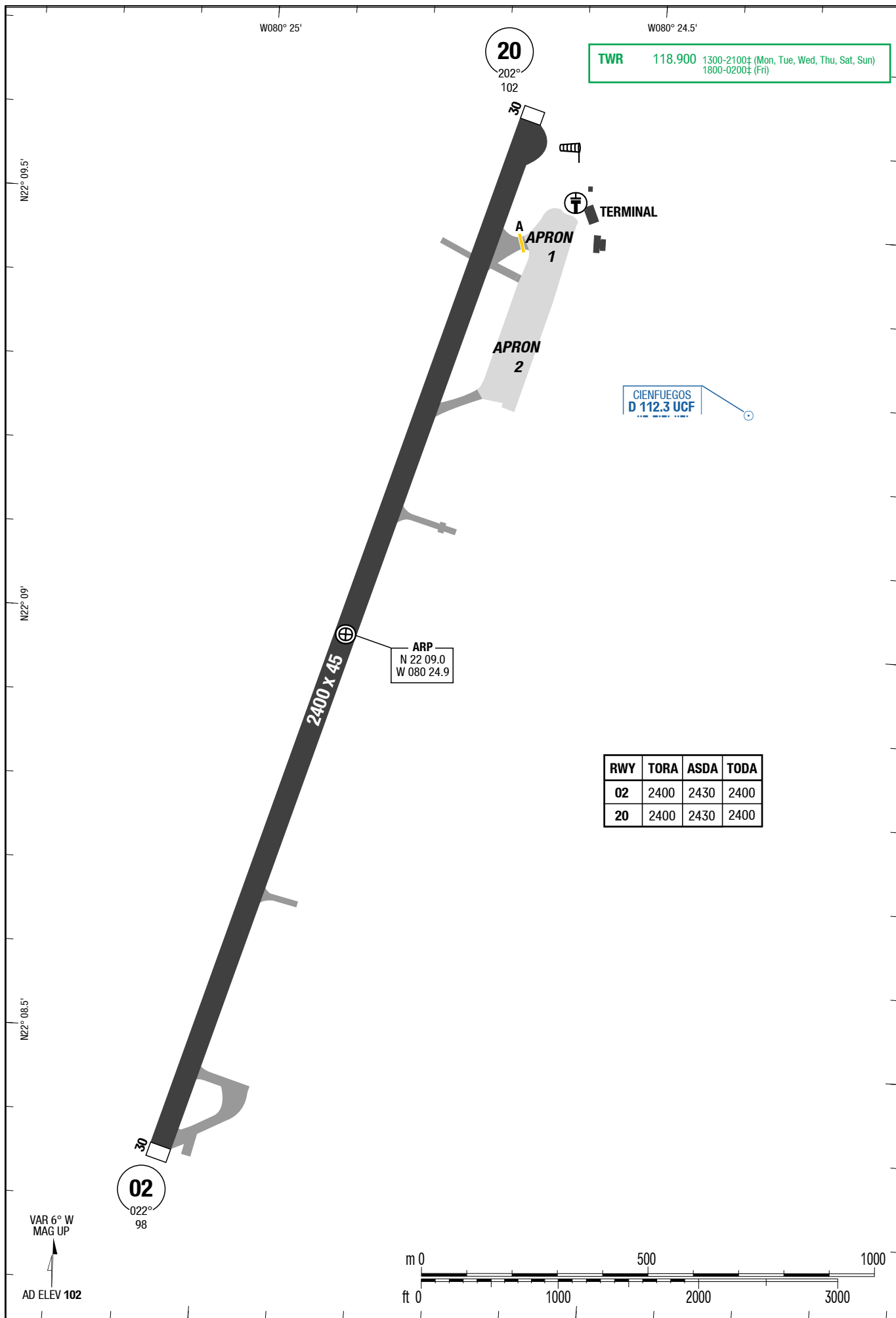
AGC

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Changes: VAR, QFU

Effective 12-OCT-2017

05-OCT-2017

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RNAV SIDs RWY 20 CCO

4-10

RNAV SID RWY 02 CCO

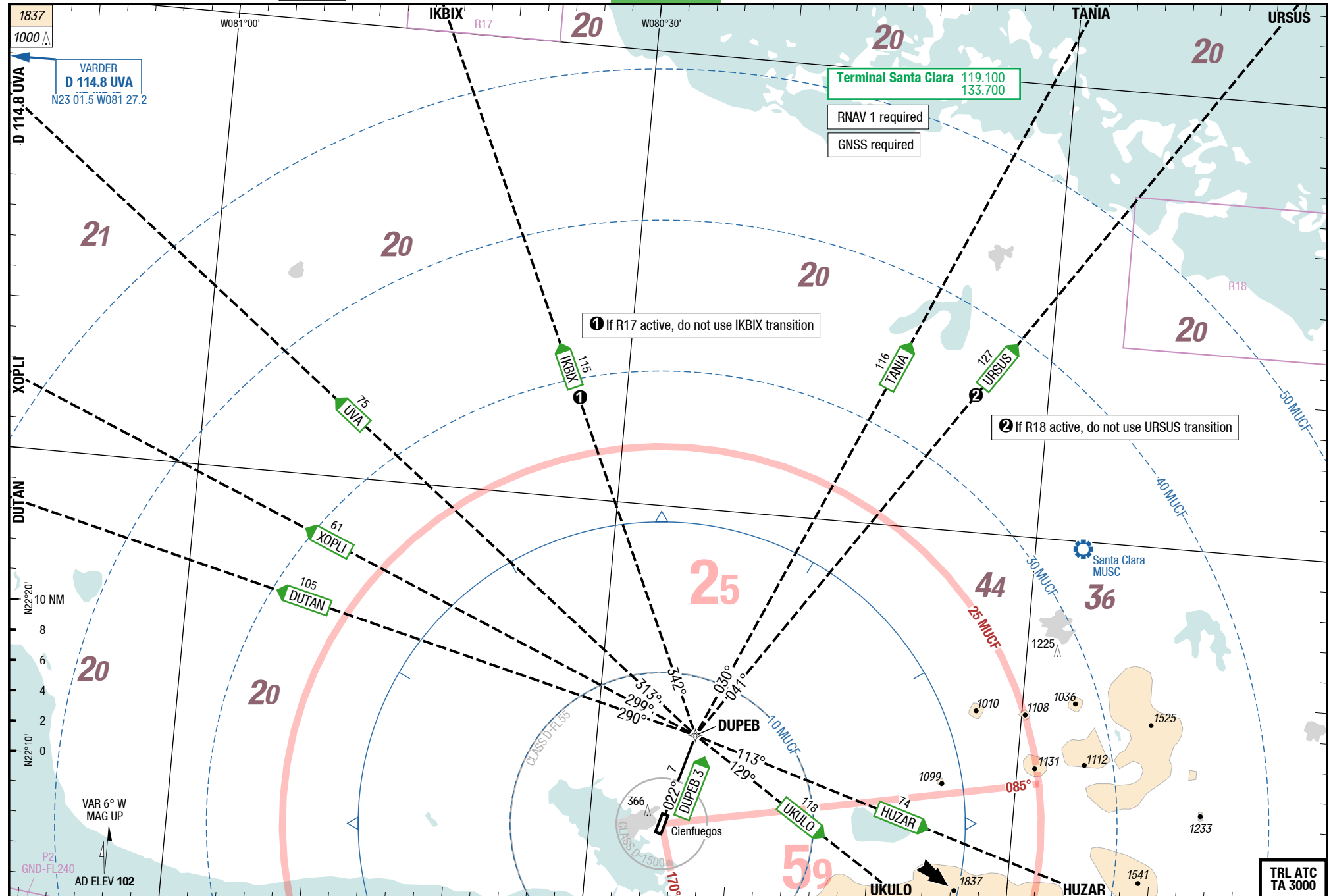
SID

SID

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RNAV SIDs RWY 20 CCO

RNAV SID RWY 02 CCO



Changes: Track, PROC, FREQ, PROC renumbered, VAR

Effective 12-OCT-2017

05-OCT-2017

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SID

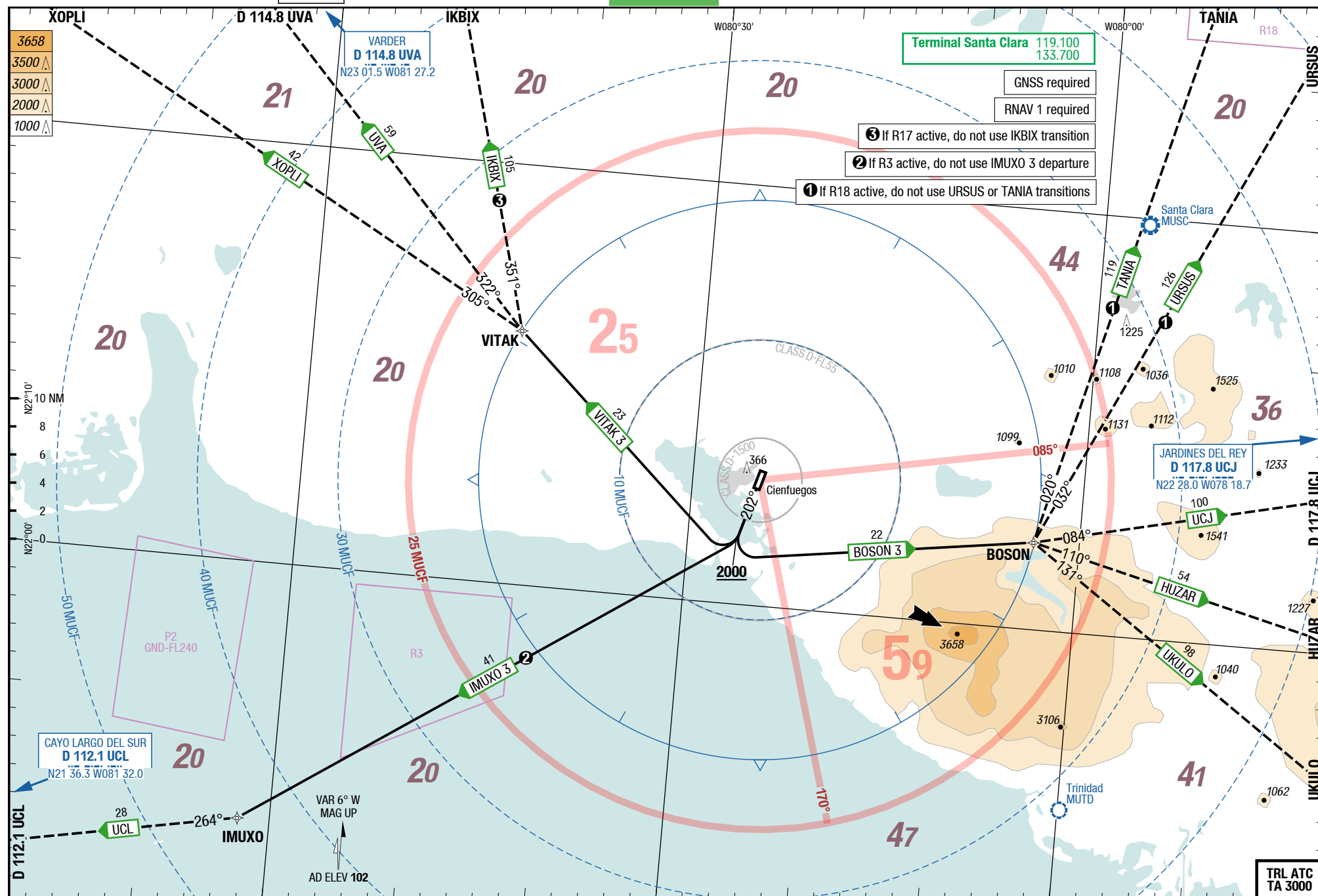
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RNAV SIDs RWY 20 CCO

4-20

RNAV SIDs RWY 20 CCO



**DUPEB 3**

RWY 02 (022°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 02	
<b>DUPEB 3</b> <b>119.100</b> <b>133.700</b> ①②	022° DUPEB	
	TRANSITION	
	<b>DUTAN</b> DUPEB - DUTAN	
	<b>HUZAR</b> DUPEB - HUZAR	
	<b>IKBIX</b> DUPEB - IKBIX	
	<b>TANIA</b> DUPEB - TANIA	
	<b>UKULO</b> DUPEB - UKULO	
	<b>URSUS</b> DUPEB - URSUS	
	<b>VARDER (UVA)</b> DUPEB - UVA	
	<b>XOPLI</b> DUPEB - XOPLI	

① If R17 active, do not use IKBIX transition

② If R18 active, do not use URSUS transition

## CFG-MUCF

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## RNAV SIDs RWY 20 CCO

SIDPT

**BOSON 3 / IMUXO 3 / VITAK 3**

RWY 20 (202°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 20	
<b>BOSON 3</b> <b>119.100</b> <b>133.700</b> ①	202° [A2000+ ;L] - DCT BOSON	
	TRANSITION	
	<b>HUZAR</b> BOSON - HUZAR	
	<b>JARDINES DEL REY (UCJ)</b> BOSON - UCJ	
	<b>TANIA</b> BOSON - TANIA	
	<b>UKULO</b> BOSON - UKULO	
	<b>URSUS</b> BOSON - URSUS	
<b>IMUXO 3</b> <b>119.100</b> <b>133.700</b> ②	202° [A2000+ ;R] - DCT IMUXO	
	TRANSITION	
	<b>CAYO LARGO DEL SUR (UCL)</b> IMUXO - UCL	
<b>VITAK 3</b> <b>119.100</b> <b>133.700</b> ③	202° [A2000+ ;R] - DCT VITAK	
	TRANSITION	
	<b>IKBIX</b> VITAK - IKBIX	
	<b>VARDER (UVA)</b> VITAK - UVA	
	<b>XOPLI</b> VITAK - XOPLI	

① If R18 active, do not use URSUS or TANIA transitions

② If R3 active, do not use IMUXO 3 departure

③ If R17 active, do not use IKBIX transition

05-OCT-2017

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RNAV STARs RWY 20 CDO

6-10	<b>RNAV STARs RWY 02 CDO</b>
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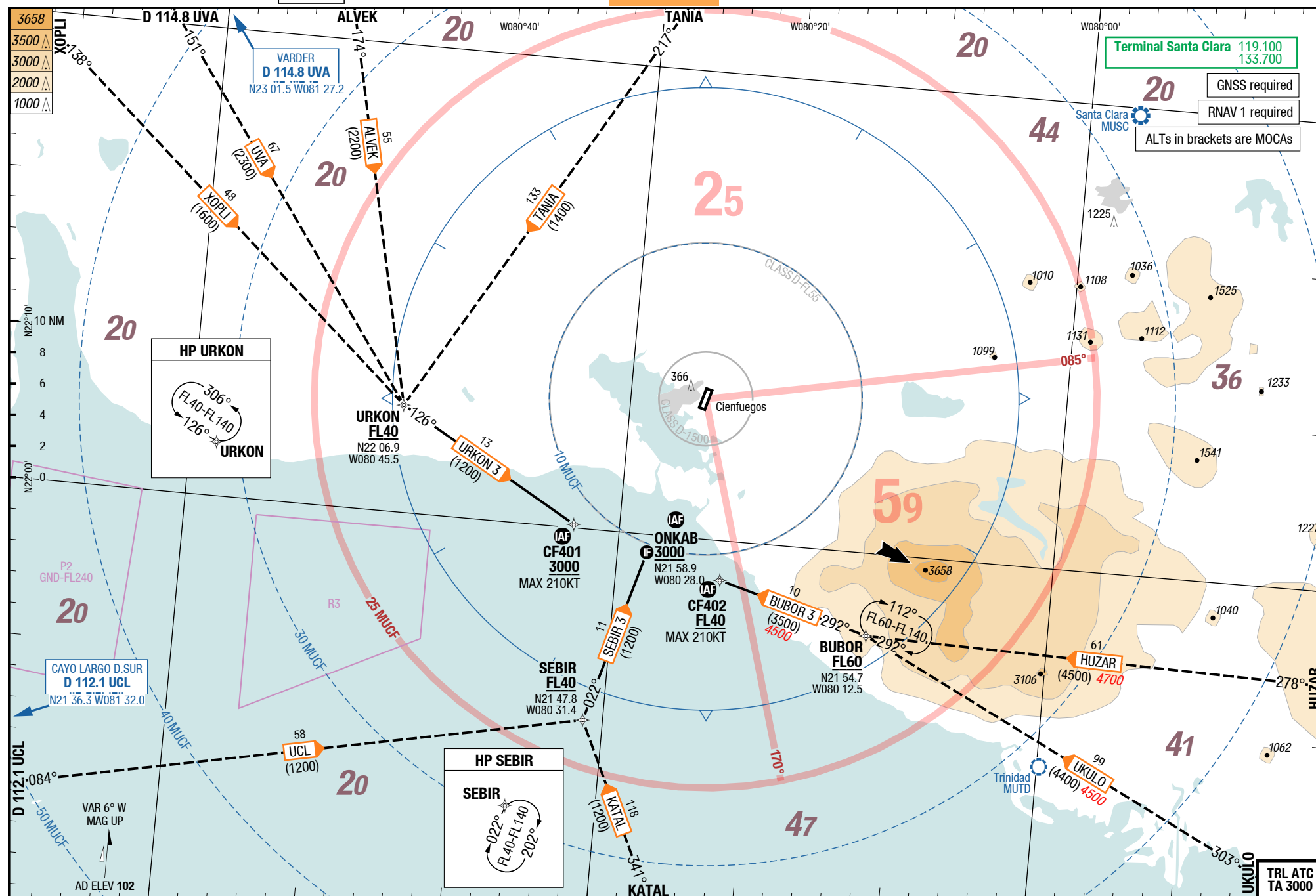
# STAR

# STAR

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RNAV STARs RWY 20 CDO

## RNAV STARs RWY 02 CDO



Changes: Completely revised



## CFG-MUCF

Cuba **Cienfuegos** Jaime Gonzales Intl

6-20

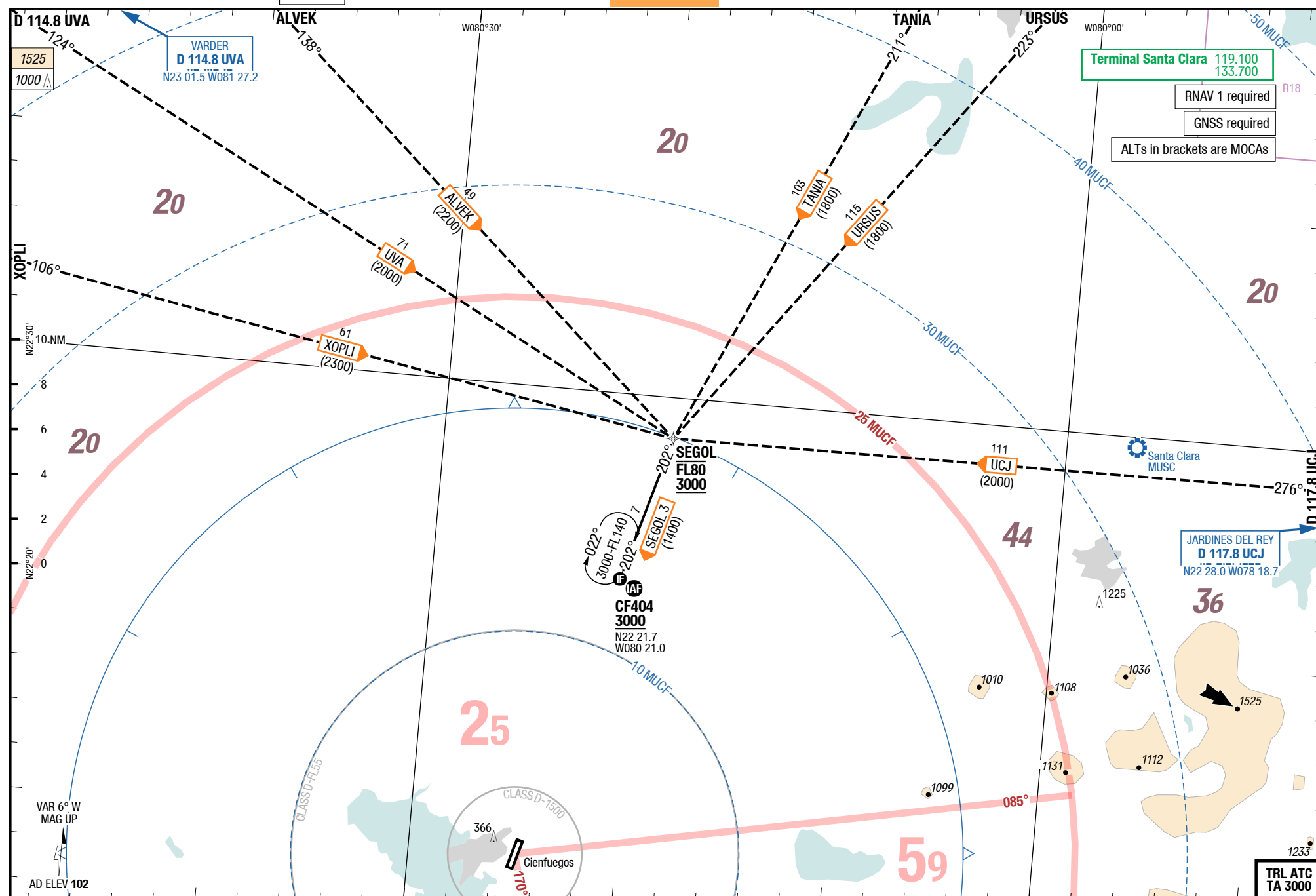
## RNAV STARs RWY 20 CDO

**STAR**

**STAR**

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## RNAV STARs RWY 20 CDO

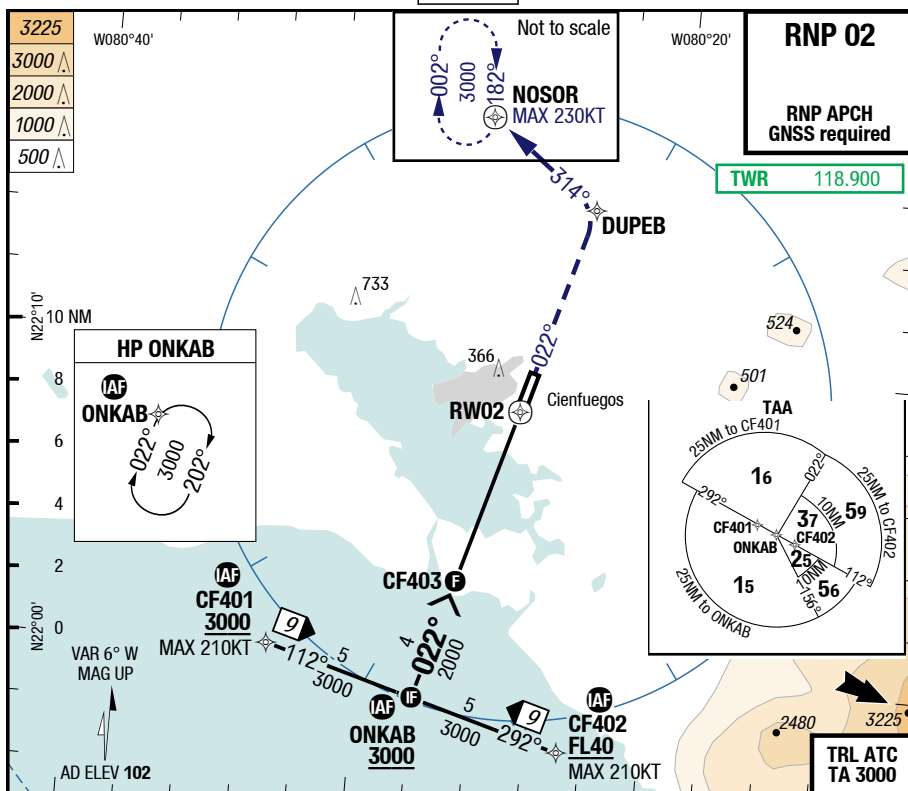


Changes: Completely revised

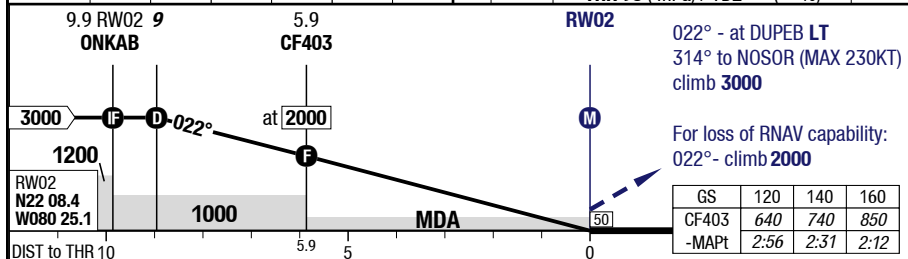
## CFG-MUCF

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RNP 02



3.00°	9	8	7	5	4	3	02	2400 x 45	60 ML	THR 98 (4hPa) / TDZ --- (---%) +0.1%
RW02	3000	2700	2380	1740	1430	1110		83.0°		



02	RNP VNAV 1) 2)	RNP LNAV				Circling
C	ft - m/km ft 530	660 - 2.4V 750				990 - 4.6V 1090
D	ft - m/km ft 530	660 - 2.4V 750				990 - 4.6V 1090

1) Uncompensated BARO VNAV NA below 15°C (59°F)

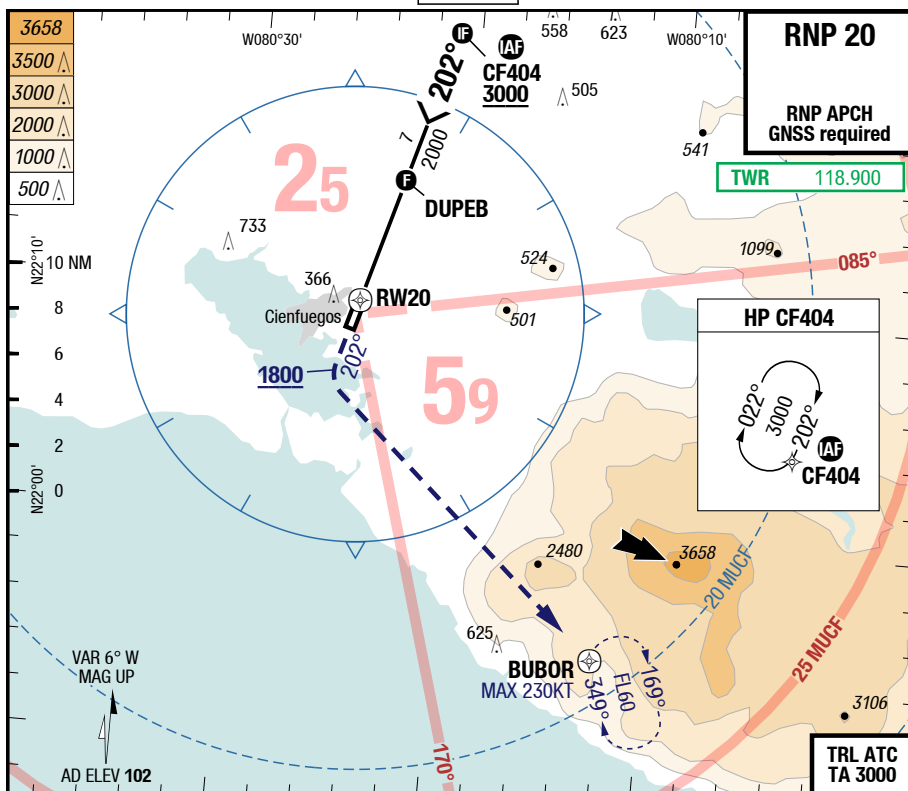
2) With EVS VIS 1.3km

Changes: FREQ, Track, VAR, HLDG, MOCA, Editorial

## CFG-MUCF

7-20

## RNP 20



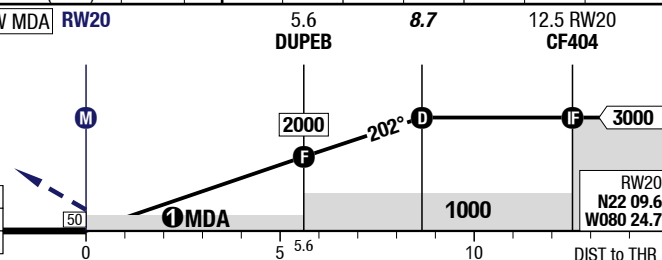
60 ML	45 x 2400	3.0°	20	2	3	4	5	7	8.7	3.10° RW20
-0.1%	TDZ --- (---%) / THR 102 (4hPa)			810	1140	1470	1800	2460	3000	

1 OBST BLW MDA RW20

at MNM 1800 LT  
direct BUBOR (MAX 230KT)  
climb **FL60**

Loss of RNAV:  
202° - climb **3000**

GS	120	140	160
DUPEB	660	770	880
-MAPt	2:48	2:24	2:06



20		RNP VNAV 1) 2)	RNP LNAV				Circling
C	ft - m/km ft	310 - 1.4V <b>410</b>	530 - 2.4V <b>630</b>				990 - 4.8V <b>1090</b>
D	ft - m/km ft	320 - 1.4V <b>420</b>	530 - 2.4V <b>630</b>				990 - 4.8V <b>1090</b>

1) Uncompensated BARO VNAV NA below 15°C (59°F)

2) With EVS VIS 900m

Changes: Track, FREQ, HLDG, VAR, Editorial

7-30

## VOR 02

