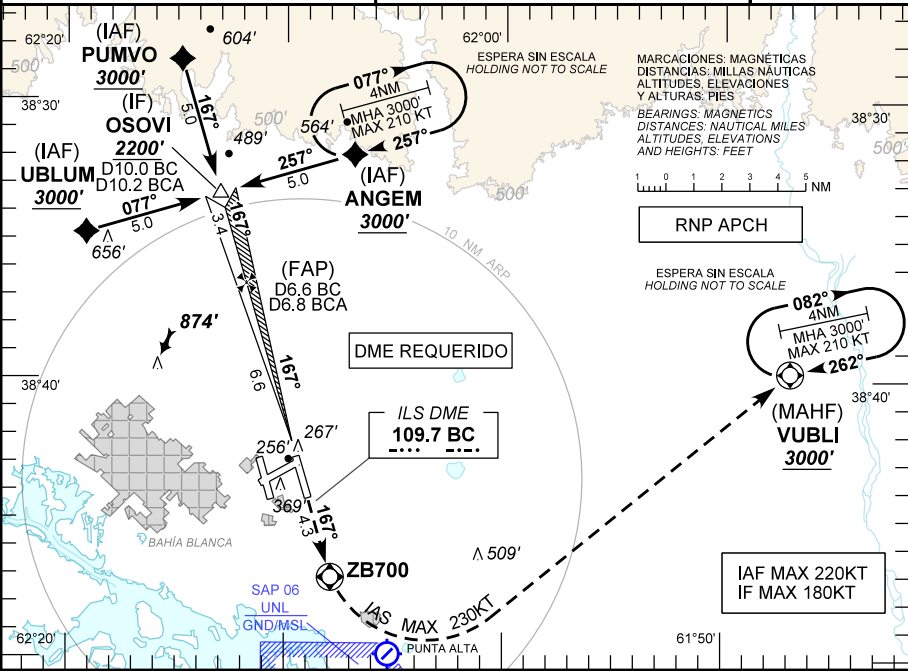


COMANDANTE ESPORA (SAZB) Carta de aproximación por instrumentos
BAHÍA BLANCA Instrument approach chart

ILS Z RWY 17L

BAHIA CTL		BAHIA APP		BAHIA TWR		BAHIA GND		EMERG
124.80		119.15 118.10		119.15 118.10		121.90		121.50
LOC BC	FINAL APCH CRS	ALTITUD MNM FAP		ILS DA(H)		AD Elev	THR Elev	03° W (2017) 030° 4500' 3000' 090° 3000'
109.7	167°	2200' (1952')		448' (200')		248'	248'	
Aproximación frustrada: ASC con curso 167° hasta ZB700, luego viraje izquierda DCT VUBLI alcanzando MNM 3000 ft, HLDG y seguir instrucciones del ATC.								
Missed approach: Climb on track 167° to ZB700, then turn left DCT VUBLI reaching MNM 3000 ft, HLDG and proceed as directed by ATC.								
NOTA: Circulación visual solo al Este de RWY 17L/35R.				RMK: Circle to land only East of RWY 17L/35R.				MSA 25 NM ARP



IF OSOVI 2200'		FAP 2200'		DA 448'	
167°		4.7% (2.7°)		167°	
1800'				RDH 54'	
TO THR 17L (NM)	10.0	6.6	0.5	0.0	
TO BC (DME)	10.0	6.6	0.5	0.0	
TO BCA (DME)	10.2	6.8	0.7	0.2	

DIRECTA RWY 17L / Straight in RWY 17L								Circulación Visual			
CAT	ILS/DME							Circle to land			
	DA 448'			DH 200'				CAT	MDA	MDH	VIS
A	VIS ALS			VIS SIN ALS				A	650'	402'	1900 M
B	800 M RVR 550 M			1200 M				B	740'	492'	2800 M
C								C	840'	592'	3700 M
D								D	940'	692'	4600 M
GS KT	90	110	130	150	160	DIST to THR17L	6.6	4	3	2	0.5
FAP - THR17L	04:24	03:36	03:03	02:38	02:28	ALT	2200	1448	1162	875	448
FPM	430	530	620	720	770	HGT	(1952)	(1200)	(914)	(627)	(200)

31 ENERO 2019

COMANDANTE ESPORA (SAZB) ILS Z RWY 17L	
FIX IDENT	COORDINATES
PUMVO	38°28'35.16" S 062°14'48.10" W
UBLUM	38°34'47.38" S 062°19'08.43" W
ANGEM	38°31'59.25" S 062°06'54.12" W
OSOVI	38°33'23.47" S 062°13'01.16" W
FAP	38°36'38.21" S 062°11'48.89" W
RW17L	38°43'00.01" S 062°09'26.56" W
ZB700	38°47'07.94" S 062°07'53.97" W
VUBLI	38°39'45.03" S 061°46'56.12" W

31 ENERO 2019

1/2 COMANDANTE ESPORA (SAZB) ILS Z RWY 17L												
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Altitude Description	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
010	PUMVO	IF	N	N/A	N/A	N/A	3000	+	-220	RNP APCH	1.0	3 W
020	OSOVI	TF	N	5.0	167 (163.7)	N/A	2200	+	-180	RNP APCH	1.0	3 W
010	ANGEM	IF	N	N/A	N/A	N/A	3000	+	-220	RNP APCH	1.0	3 W
020	OSOVI	TF	N	5.0	257 (253.7)	N/A	2200	+	-180	RNP APCH	1.0	3 W
010	UBLUM	IF	N	N/A	N/A	N/A	3000	+	-220	RNP APCH	1.0	3 W
020	OSOVI	TF	N	5.0	077 (73.7)	N/A	2200	+	-180	RNP APCH	1.0	3 W
010	OSOVI	IF	N	N/A	N/A	N/A	2200	+	-180	RNP APCH	1.0	3 W

31 ENERO 2019

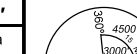
2/2 COMANDANTE ESPORA (SAZB) ILS Z RWY 17L												
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Altitude Description	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
020	FAP	CF	N	3.4	167 (163.7)	N/A	2200	@	N/A	RNP APCH	1.0	3 W
030	RW17L	CF	Y	6.6	167 (163.7)	N/A	302	@	N/A	RNP APCH	0.3	3 W
040	ZB700	CF	Y	4.3	167 (163.7)	N/A	N/A	N/A	-230	RNP APCH	1.0	3 W
050	VUBLI	DF	Y	N/A	N/A	L	3000	+	-230	RNP APCH	1.0	3 W
060	VUBLI	HM	Y	4.0	262 (258.6)	L	3000	+	-210	RNP APCH	1.0	3 W

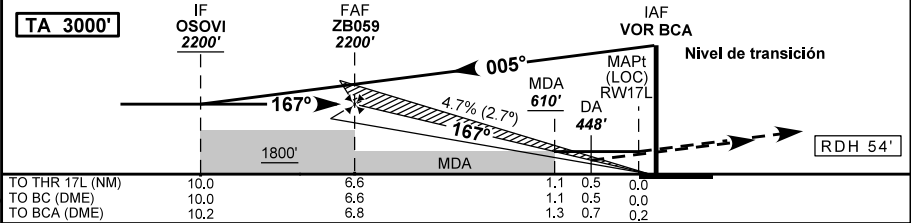
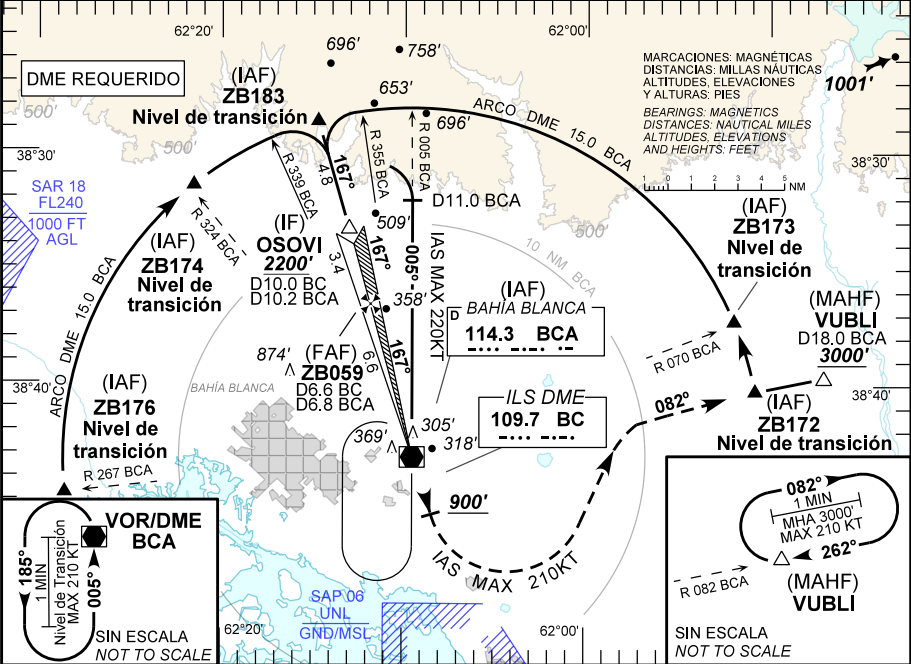
31 ENERO 2019

COMANDANTE ESPORA (SAZB) Carta de aproximación por instrumentos

BAHÍA BLANCA Instrument approach chart

ILS Y RWY 17L

BAHIA CTL		BAHIA APP		BAHIA TWR		BAHIA GND		EMERG	
124.80		119.15 118.10		119.15 118.10		121.90		121.50	
LOC BC	FINAL APCH CRS	ALTITUD MNM ZB059		ILS DA(H)		AD Elev		03° W (2017) 	
109.7	167°	2200' (1952')		448' (200')		THR Elev 248'			
Aproximación frustrada: ASC sobre rumbo de pista hasta 900 ft, luego viraje izquierda sobre R082 BCA hasta VUBLI, HLDG y seguir instrucciones del ATC.									
Missed approach: Climb on RWY heading until 900 ft, then turn left on course R082 BCA to VUBLI, HLDG and proceed as directed by ATC.									
NOTA: Circulación visual solo al Este de RWY 17L/35R.				RMK: Circle to land only East of RWY 17L/35R.					
MSA 25 NM BCA									



DIRECTA RWY 17L / <i>Straight in RWY 17L</i>										Circulación Visual <i>Circle to land</i>			
CAT	ILS/DME					LOC/DME							
	DA 448'		DH 200'			MDA 610'		MDH 362'					
	VIS ALS		VIS SIN ALS			VIS ALS		VIS SIN ALS		CAT	MDA	MDH	VIS
A	800 M RVR 550 M		1200 M			1200 M		1900 M		A	650'	402'	1900 M
B						1400 M		2100 M		B	740'	492'	2800 M
C										C	840'	592'	3700 M
D										D	940'	692'	4600 M
GS KT		90	110	130	150	160	DIST to MAPt		6.6	5	4	2	1.1
FAF - MAPt 6.6NM		4:24	3:36	3:03	2:38	2:28	ALT		2200	1735	1448	875	610
FPM		430	530	620	720	770	HGT		(1952)	(1487)	(1200)	(627)	(362)

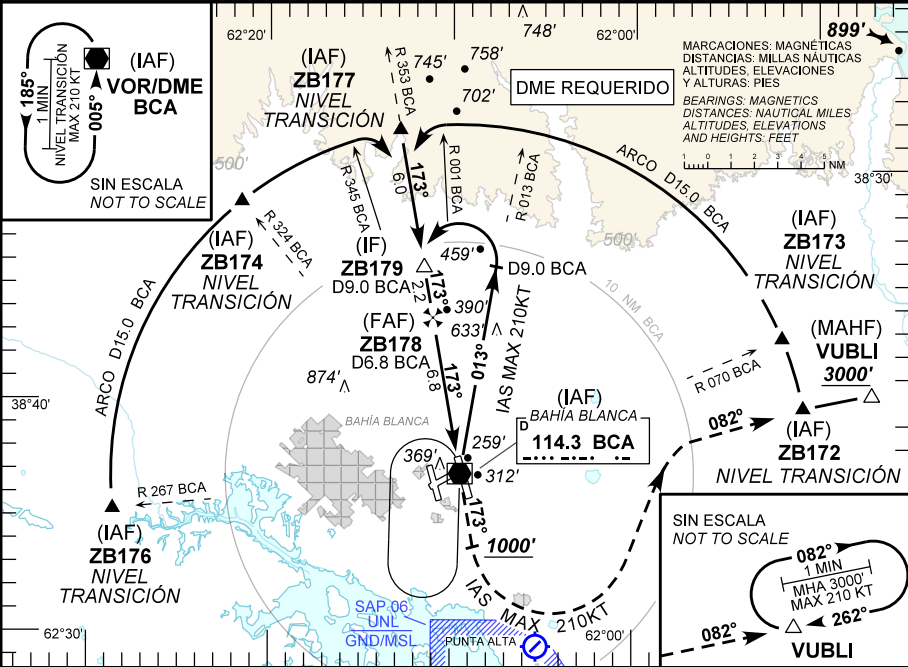
31 ENERO 2019

COMANDANTE ESPORA (SAZB)
BAHIA BLANCA

Carta de aproximación por instrumentos
Instrument approach chart

VOR Z RWY 17L

BAHIA CTL 124.80		BAHIA APP 119.15 118.10		BAHIA TWR 119.15 118.10		BAHIA GND 121.90		EMERG 121.50	
VOR BCA 114.3	FINAL APCH CRS 173°	ALTITUD MNM ZB178 2200' (1952')		MDA (H) 680' (432')		AD Elev 248' THR Elev 248'			
Aproximación frustrada: ASC sobre R 173 BCA hasta 1000 ft, luego viraje izquierda para interceptar R 082 BCA hasta VUBLI alcanzando MNM 3000 ft, HDLG y seguir instrucciones del ATC.									
Missed approach: Climb on R 173 BCA to 1000 ft, then turn left to intercept R 082 BCA until VUBLI reaching MNM 3000 ft, HDLG and proceed as directed by ATC.									
NOTA: Circulación visual solo al Este de RWY 17L/35R.				RMK: Circle to land only East of RWY 17L/35R.					
MSA 25 NM BCA									



TA 3000'		IF ZB179 2200'	FAF ZB178 2200'	(IAF/MAPt) VOR/DME BCA	NIVEL TRANSICIÓN
		1800'		MDA 680'	
TO THR 17L (NM)		8.8	6.6	1.3	0.0
TO BCA (DME)		9.0	6.8	1.5	0.2

CAT	DIRECTA RWY 17L / <i>Straight in RWY 17L</i>								Circulación Visual <i>Circle to land</i>			
	VOR/DME											
	MDA 680'				MDH 432'				CAT	MDA	MDH	VIS
	VIS ALS				VIS SIN ALS							
A	1500 M				2200 M				A	680'	432'	2200 M
B	1500 M				2200 M				B	740'	492'	2800 M
C	1700 M				2400 M				C	840'	592'	3700 M
D	1700 M				2400 M				D	940'	692'	4600 M
GS KT		90	110	130	150	160	DIST to MAPt	6.8	4	3	2	1.5
FAF - MAPt 6.8 NM		4:24	3:36	3:03	2:38	2:28	ALT	2200	1391	1104	818	680
FPM		430	530	620	720	770	HGT	(1952)	(1143)	(856)	(570)	(432)

COMANDANTE ESPORA (SAZB)

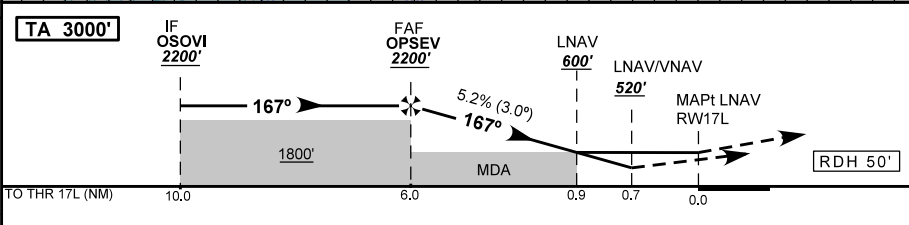
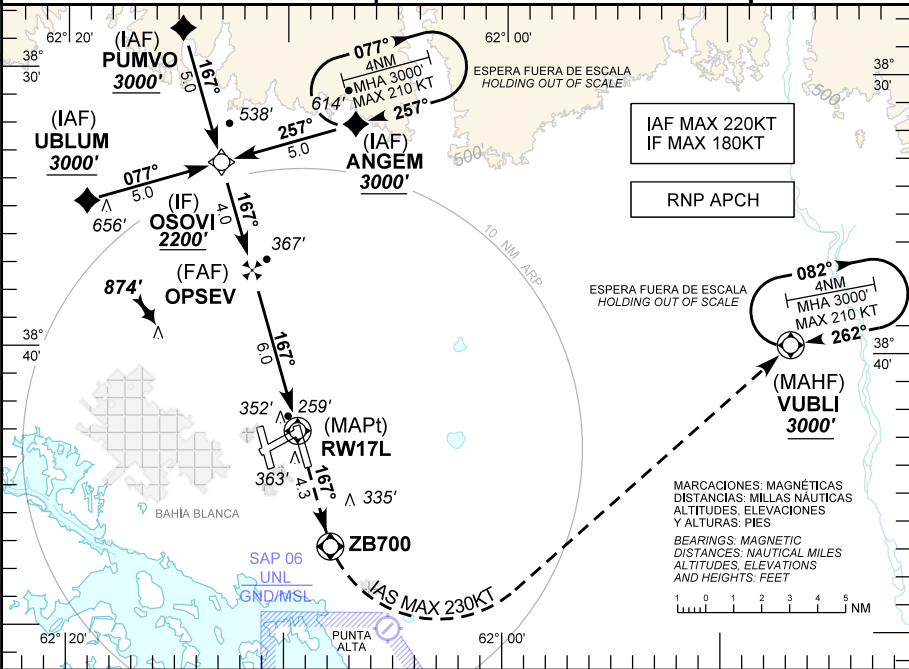
BAHIA BLANCA

Carta de aproximación por instrumentos

Instrument approach chart

RNP RWY 17L

BAHIA CTL 124.80		BAHIA APP 119.15 118.10		BAHIA TWR 119.15 118.10		BAHIA GND 121.90		EMERG 121.50	
RNP	FINAL APCH CRS 167°	ALTITUD MNM OPSEV 2200' (1952')	LNAV / VNAV DA(H) 520' (272')			AD Elev 248'	THR Elev 248'	03° W (2017) MSA 25 NM ARP	
Aproximación frustrada: ASC con curso 167° hasta ZB700, virar a la izquierda DCT VUBLI alcanzando MNM 3000 ft, HLDG y seguir instrucciones del ATC.									
Missed approach: Climb on course 167° to ZB700, turn left DCT VUBLI reaching MNM 3000 ft, HLDG and proceed as directed by ATC.									
NOTA: Para sistemas Baro VNAV no compensado, debajo de -10° C o superior a 48° C N.A.				NOTE: For uncompensated Baro VNAV systems N.A. below -10° C or above 48° C.					



DIRECTA RWY 17L / <i>Straight in RWY 17L</i>										Circulación Visual <i>Circle to land</i>			
CAT	LNAV / VNAV				LNAV								
	DA 520'		DH 272'		MDA 600'		MDH 352'						
	VIS ALS		VIS SIN ALS		VIS		VIS SIN ALS		CAT	MDA	MDH	VIS	
A	800 M		1300 M		1100 M		1800 M		A	Circulación Visual N.A. <i>Circle to land N.A.</i>			
B									B				
C					C								
D					D								
GS KT	90	110	130	150	160	DIST to MAPt		6.0	4.0	3.0	2.0	0.9	
FAF - MAPt 6.0 NM	4:00	3:16	2:46	2:24	2:15	ALT		2200	1570	1250	940	600	
FPM	480	580	690	790	850	HGT		(1952)	(1322)	(1002)	(692)	(352)	

COMANDANTE ESPORA (SAZB) RNP RWY 17L	
FIX IDENT	COORDINATES
PUMVO	38°28'35.16" S 062°14'48.10" W
UBLUM	38°34'47.38" S 062°19'08.43" W
ANGEM	38°31'59.25" S 062°06'54.12" W
OSOVI	38°33'23.47" S 062°13'01.16" W
OPSEV	38°37'15.63" S 062°11'34.87" W
RW17L	38°43'00.01" S 062°09'26.56" W
ZB700	38°47'07.94" S 062°07'53.97" W
VUBLI	38°39'45.03" S 061°46'56.12" W

21 ABRIL 2022

1/2 COMANDANTE ESPORA (SAZB) RNP RWY 17L											
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
010	PUMVO	IF	N	N/A	N/A	N/A	+3000	-220	RNP APCH	1.0	3 W
020	OSOVI	TF	N	5.0	167 (163.7)	N/A	+2200	-180	RNP APCH	1.0	3 W
010	ANGEM	IF	N	N/A	N/A	N/A	+3000	-220	RNP APCH	1.0	3 W
020	OSOVI	TF	N	5.0	257 (253.7)	N/A	+2200	-180	RNP APCH	1.0	3 W
010	UBLUM	IF	N	N/A	N/A	N/A	+3000	-220	RNP APCH	1.0	3 W
020	OSOVI	TF	N	5.0	077 (73.7)	N/A	+2200	-180	RNP APCH	1.0	3 W
010	OSOVI	IF	N	N/A	N/A	N/A	+2200	-180	RNP APCH	1.0	3 W

21 ABRIL 2022

2/2 COMANDANTE ESPORA (SAZB) RNP RWY 17L											
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
020	OPSEV	CF	N	4.0	167 (163.7)	N/A	+2200	N/A	RNP APCH	1.0	3 W
030	RW17L	CF	Y	6.0	167 (163.7)	N/A	@298	N/A	RNP APCH	0.3	3 W
040	ZB700	CF	Y	4.3	167 (163.7)	N/A	N/A	-230	RNP APCH	1.0	3 W
050	VUBLI	DF	Y	N/A	N/A	L	+3000	-230	RNP APCH	1.0	3 W
060	VUBLI	HM	Y	4.0	262 (258.6)	R	+3000	-210	RNP APCH	1.0	3 W

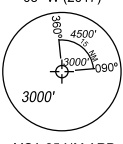
21 ABRIL 2022

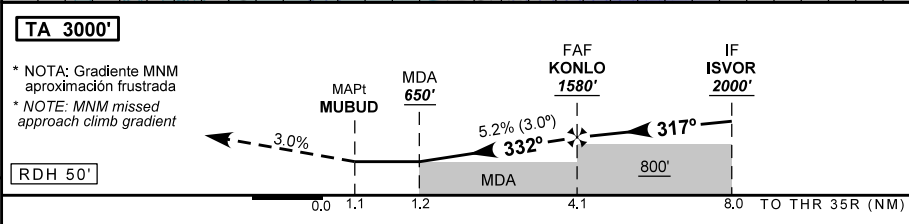
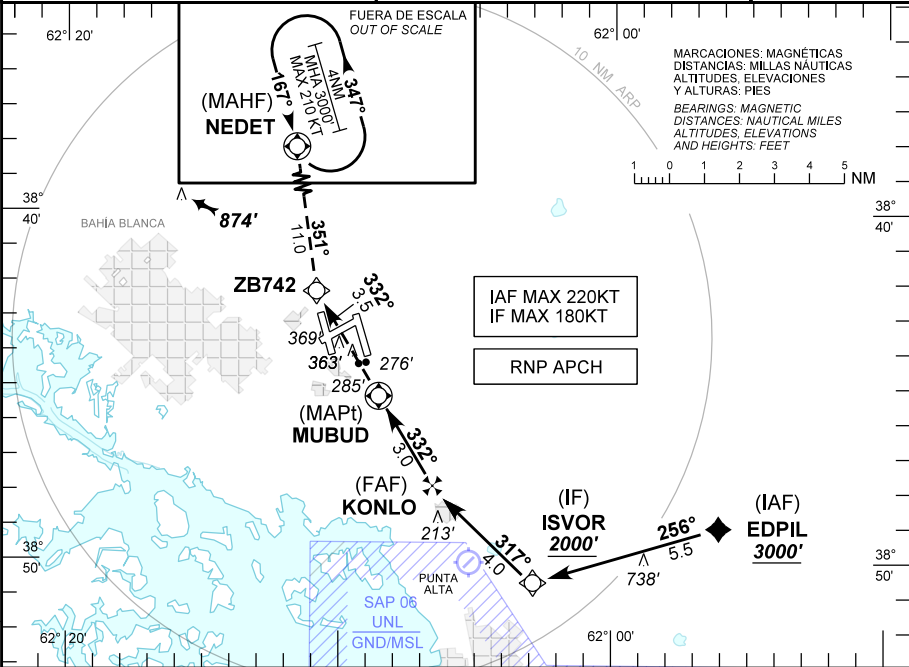
COMANDANTE ESPORA (SAZB)

BAHÍA BLANCA

Carta de aproximación por instrumentos
Instrument approach chart

RNP RWY 35R (LNAV only)

BAHIA CTL 124.80		BAHIA APP 119.15 118.10		BAHIA TWR 119.15 118.10		BAHIA GND 121.90		EMERG 121.50			
RNP FINAL APCH CRS 332° ALTITUD MNM KONLO 1580' (1362') LNAV MDA(H) 650' (432') AD Elev 248' THR Elev 218'										03° W (2017)  MSA 25 NM ARP	
Aproximación frustrada: ASC sobre curso 332° hasta ZB742. Luego seguir sobre curso 351° hasta NEDET alcanzando MNM 3000 ft, HLDG y seguir instrucciones del ATC. Missed approach: Climb on track 332° to ZB742, then continue on track 351° to NEDET reaching MNM 3000 ft, HLDG and proceed as directed by ATC.											
NOTA: Aproximación final desplazada 15° respecto a eje de RWY debido a SAP 06.						NOTE: Final approach offset 15° from RWY center line due to SAP 06.					



CAT	DIRECTA RWY 35R / <i>Straight in RWY 35R</i>								Circulación Visual <i>Circle to land</i>				
	LNAV 3.0% *				LNAV 2.5% *								
	MDA 650'		MDH 432'		MDA 980'		MDH 762'		CAT	MDA	MDH	VIS	
	VIS				VIS								
A	2200 M				3800 M								A
B									B				
C	2400 M				4000 M				C				
D									D				
GS KT		90	110	130	150	160	DIST to MAPt	3.0	2.0	1.5	1.0	0.0	
FAF - MAPt 3.0 NM		2:00	1:38	1:23	1:12	1:07	ALT	1580	1290	1130	970	650	
FPM		470	570	670	780	830	HGT	(1362)	(1072)	(912)	(752)	(432)	

COMANDANTE ESPORA (SAZB) RNP RWY 35R (LNAV only)	
FIX IDENT	COORDINATES
EDPIL	38°49'02.74" S 061°56'05.90" W
ISVOR	38°50'37.66" S 062°02'53.30" W
KONLO	38°47'51.82" S 062°06'35.47" W
MUBUD	38°45'17.88" S 062°08'35.09" W
ZB742	38°42'17.71" S 062°10'53.32" W
NEDET	38°31'28.15" S 062°13'43.96" W

21 ABRIL 2022

1/1 COMANDANTE ESPORA (SAZB) RNP RWY 35R (LNAV only)											
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
010	EDPIL	IF	N	N/A	N/A	N/A	+3000	-220	RNP APCH	1.0	3 W
020	ISVOR	TF	N	5.5	256 (253.4)	N/A	+2000	-180	RNP APCH	1.0	3 W
030	KONLO	TF	N	4.0	317 (313.7)	N/A	+1580	N/A	RNP APCH	1.0	3 W
040	MUBUD	TF	Y	3.0	332 (328.7)	N/A	@650	N/A	RNP APCH	0.3	3 W
050	ZB742	CF	N	3.5	332 (329.0)	N/A	N/A	N/A	RNP APCH	1.0	3 W
060	NEDET	TF	Y	11.0	351 (348.4)	N/A	+3000	N/A	RNP APCH	1.0	3 W
070	NEDET	HM	Y	4.0	167 (163.9)	L	+3000	-210	RNP APCH	1.0	3 W

21 ABRIL 2022