

EL CALAFATE (SAWC)
EL CALAFATE

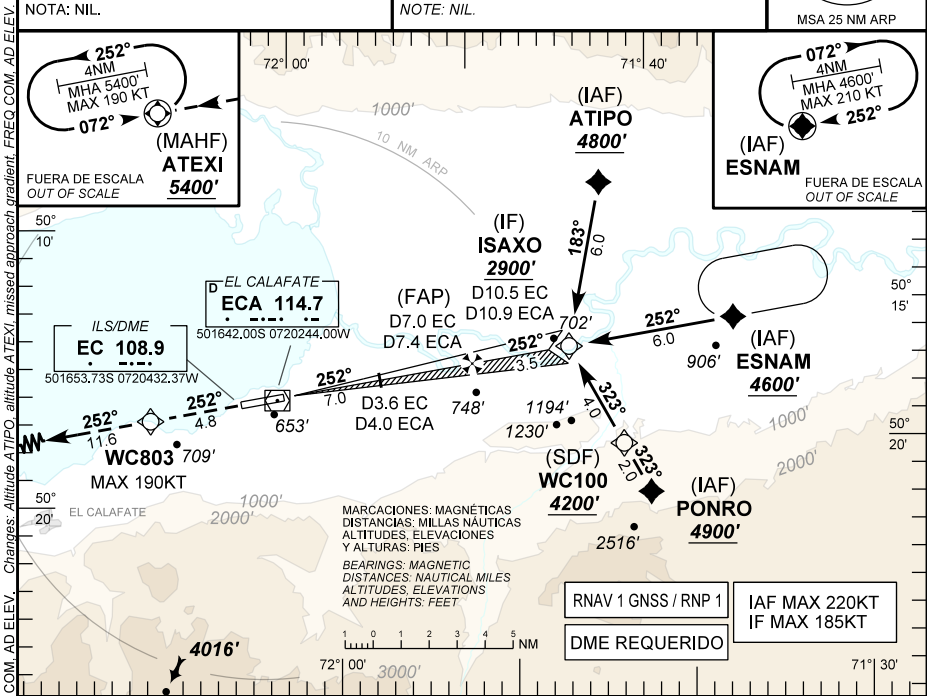
Carta de aproximación por instrumentos
Instrument approach chart

ILS Z RWY 25

ATIS 127.85	EL CALAFATE APP 119.95 118.20		EL CALAFATE TWR 119.95 118.20		EMERG 121.50
ILS/LOC EC 108.9	FINAL APCH CRS 252°	ALTITUD AT FAP 2900' (2268')	ILS/DME DA (H) 832' (200')	AD Elev 647' THR Elev 632'	13° E (2017) MSA 25 NM ARP
Aproximación frustrada: ASC sobre curso 252° hasta ATEXI alcanzando 5400 ft, HLDG y seguir instrucciones del ATC.					
Missed approach: Climb on course 252° to ATEXI reaching 5400 ft, HLDG and proceed as directed by ATC.					

NOTA: NIL.

NOTE: NIL.



TA 7000'

* Nota: Gradiente MNM
aproximación frustrada.
* RMK: MNM missed
approach climb gradient.

RDH 49'

VOR/DME
ECA

1820'

FAP
2900'

IF
2900'

DA 832'

5.2% (3.0°)

252°

MDA

TO THR 25 (NM)
TO EC (DME)
TO ECA (DME)

DIRECTA RWY 25 / Straight in RWY 25

CAT	ILS/DME		Circulación Visual Circle to land			
	DA 832'	DH 200'	CAT	MDA	MDH	VIS
A	1200 M		A	Circulación Visual N.A. Circle to land N.A.		
B			B			
C			C			
D			D			

1/2 EL CALAFATE (SAWC) ILS Z RWY 25											
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
10	PONRO	S 50°21'11.22" W 071°41'52.37"	IF	N	N/A	N/A	N/A	+4900	-220	RNAV 1 or RNP 1	1.0
20	WC100	S 50°19'22.61" W 071°43'11.65"	TF	N	2.0	323 (335.0)	N/A	+4200	-220	RNAV 1 or RNP 1	1.0
30	ISAXO	S 50°15'45.36" W 071°45'49.92"	TF	N	4.0	323 (335.0)	N/A	+2900	-185	RNAV 1 or RNP 1	1.0
10	ATIPO	S 50°09'57.95" W 071°43'26.01"	IF	N	N/A	N/A	N/A	+4800	-220	RNAV 1 or RNP 1	1.0
20	ISAXO	S 50°15'45.36" W 071°45'49.92"	TF	N	6.0	183 (194.9)	N/A	+2900	-185	RNAV 1 or RNP 1	1.0
10	ESNAM	S 50°15'10.16" W 071°36'31.34"	IF	N	N/A	N/A	N/A	+4600	-220	RNAV 1 or RNP 1	1.0
20	ISAXO	S 50°15'45.36" W 071°45'49.92"	TF	N	6.0	252 (264.3)	N/A	+2900	-185	RNAV 1 or RNP 1	1.0
10	ISAXO	S 50°15'45.36" W 071°45'49.92"	IF	N	N/A	N/A	N/A	+2900	-185	N/A	N/A
20	FAP	S 50°16'05.71" W 071°51'18.51"	CF	N	3.5	252 (264.7)	N/A	@2900	N/A	N/A	N/A

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2/2 EL CALAFATE (SAWC) ILS Z RWY 25											
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
30	RW25	S 50°16'45,08" W 072°02'07,47"	CF	Y	7.0	252 (264.7)	N/A	@ 681	N/A	N/A	N/A
40	WC803	S 50°17'11,54" W 072°09'33,80"	CF	N	4.8	252 (264.7)	N/A	N/A	-190	RNAV 1 or RNP 1	1.0
50	ATEXI	S 50°18'13,54" W 072°27'33,61"	TF	N	11.6	252 (264.7)	N/A	+5400	-190	RNAV 1 or RNP 1	1.0
60	ATEXI	S 50°18'13,54" W 072°27'33,61"	HM	Y	4.0	072 (085)	L	+5400	-190	RNAV 1 or RNP 1	1.0

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Carta de aproximación por instrumentos

Instrument approach chart

ILS Y RWY 25

ATIS	EL CALAFATE CTL	EL CALAFATE APP	EL CALAFATE TWR	EL CALAFATE GND	EMERG
127.85	125.35	119.95 118.20	119.95 118.20	121.80	121.50
LOC EC	FINAL APCH CRS	ALTITUD MNM FAF	ILS DA(H)	AD Elev	13° E (2017)
108.9	252°	2900' (2268')	832' (200')	THR Elev 647'	

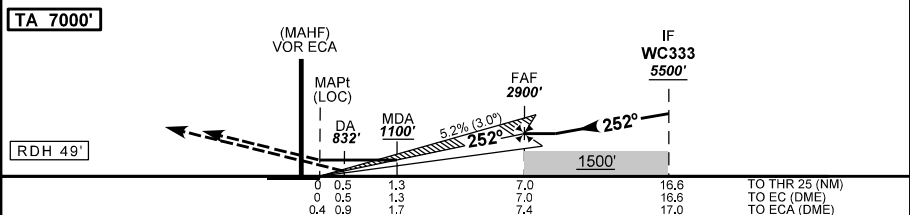
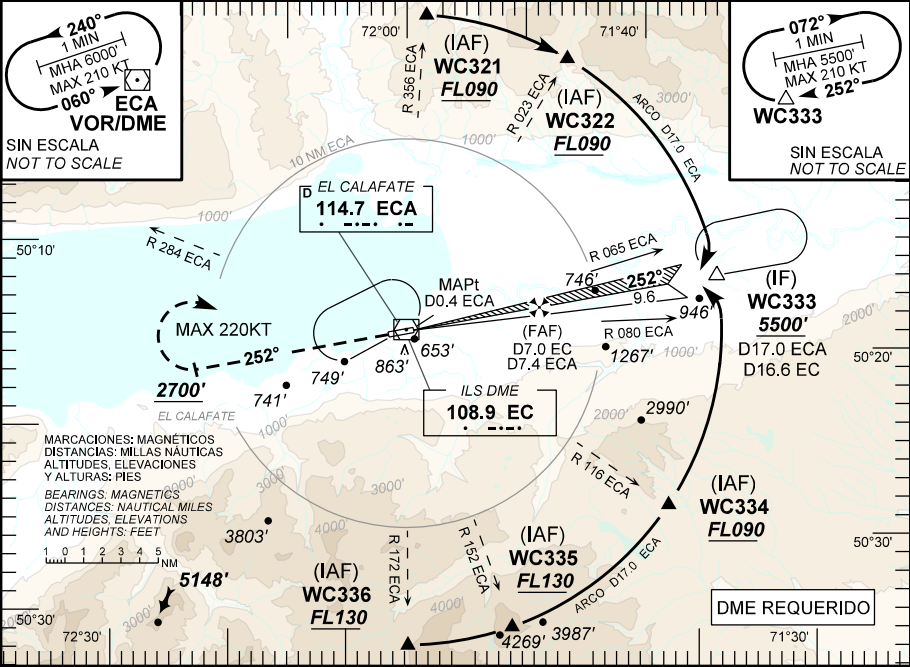
Aproximación frustrada: ASC para 2700 ft HDG 252°, viraje por derecha DCT VOR ECA para 6000 ft, HLDG y seguir instrucciones ATC. (Nota: No exceder D19.0 ECA y R284 ECA).

Missed approach: Climb to 2700 ft HDG 252°, turn right to DCT ECA VOR to 6000 ft, HLDG or as directed by ATC. (RMK: Do not exceed D19.0 ECA and R284 ECA).

NOTA: NIL.

RMK: NIL

MSA 25NM ECA



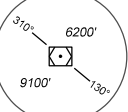
DIRECTA RWY 25 / <i>Straight in RWY 25</i>									Circulación Visual. <i>Circle to land.</i>				
CAT	ILS/DME				LOC/DME								
	DA 832'		DH 200'		MDA 1100'		MDH 468'						
VIS					VIS				CAT	MDA	MDH	VIS	
A	1200 M				2400 M				A	Circulación Visual N.A. <i>Circle to land N.A.</i>			
B									B				
C					C								
D					D								
GS KT	90	110	130	150	160	DIST to MAPt	7.0	4	3	2	1.3		
FAF - MAPt 7.0 NM	4:40	3:49	3:14	2:48	2:38	ALT	2900	1955	1636	1318	1100		
FPM	480	580	690	790	850	HGT	(2268)	(1323)	(1004)	(686)	(468)		

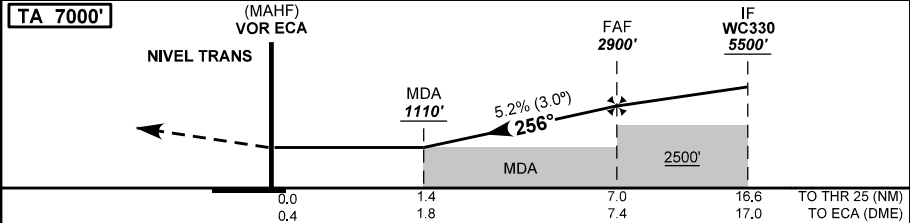
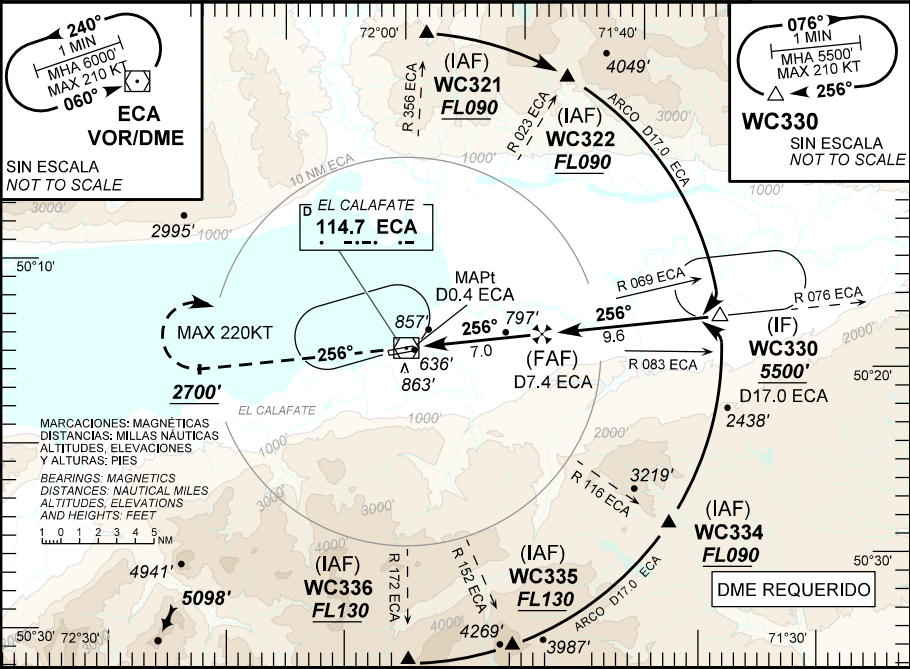
11 OCTUBRE 2018

EL CALAFATE (SAWC)
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Carta de aproximación por instrumentos
Instrument approach chart

VOR Z RWY 25

ATIS 127.85	EL CALAFATE CTL 125.35	EL CALAFATE APP 119.95 118.20	EL CALAFATE TWR 119.95 118.20	EL CALAFATE GND 121.80	EMERG 121.50
VOR ECA 114.7	FINAL APCH CRS 256°	ALTITUD MNM FAF 2900' (2268')	MDA (H) 1110' (478')	AD Elev THR Elev 647' 632'	13° E (2017)
Aproximación frustrada: ASC para 2700 ft HDG 256°, viraje derecha DCT VOR ECA para 6000 ft, HLDG y seguir instrucciones ATC. (Nota: No exceder D14.0 ECA). Missed approach: Climb to 2700 ft HDG 256°, turn right DCT ECA VOR to 6000 ft, HLDG or as directed by ATC. (RMK: Do not exceed D14.0 ECA).					
NOTA: NIL.		RMK: NIL.		MSA 25NM ECA	



DIRECTA RWY 25 / <i>Straight in RWY 25</i>										Circulación Visual <i>Circle to land</i>			
CAT	VOR/DME												
	MDA 1110' MDH 478'												
	VIS												
A	2400 M									A	Circulación Visual N.A. <i>Circle to land N.A.</i>		
B										B			
C	2600 M									C			
D										D			
GS KT	90	110	130	150	160	DIST to MAPt	7.0	4	3	2	1.4		
FAF - MAPt 7.0 NM	4:40	3:49	3:14	2:48	2:38	ALT	2900	1955	1636	1318	1110		
FPM	480	580	690	790	850	HGT	(2268)	(1323)	(1004)	(686)	(478)		

11 OCTUBRE 2018

EL CALAFATE (SAWC)
EL CALAFATE

Carta de aproximación por instrumentos
Instrument approach chart

RNP RWY 25

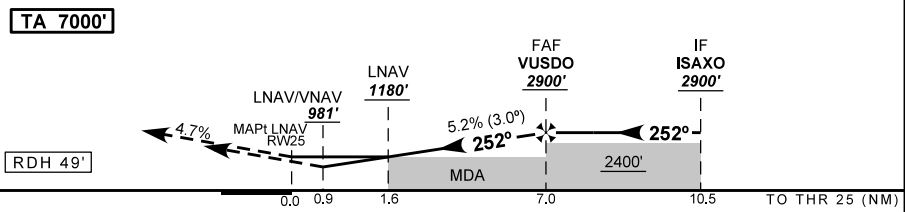
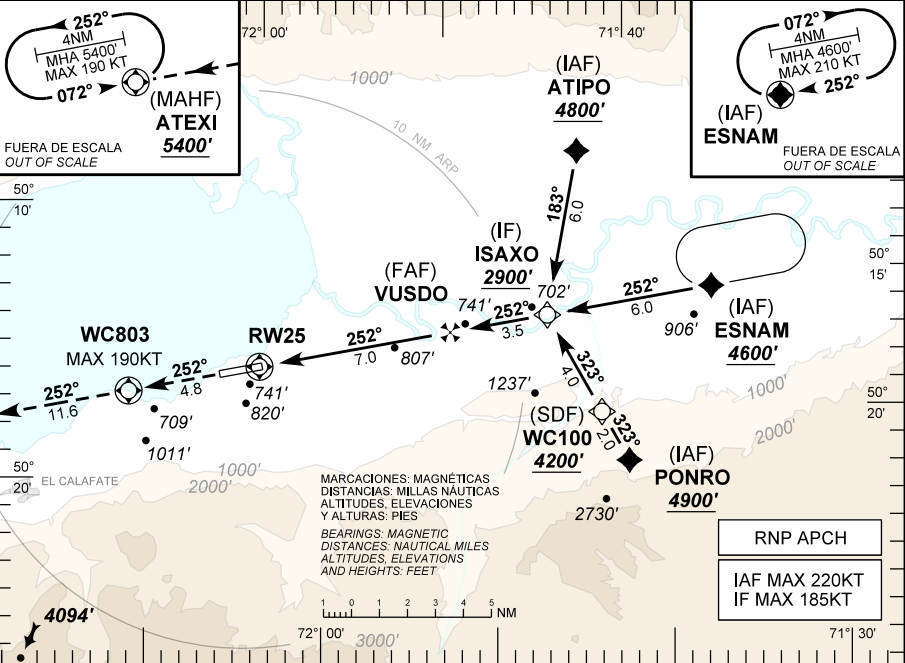
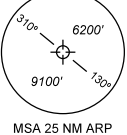
ATIS 127.85	EL CALAFATE APP 119.95 118.20		EL CALAFATE TWR 119.95 118.20		EMERG 121.50
RNP	FINAL APCH CRS 252°	ALTITUD MNM VUSDO 2900' (2268')	LNAV / VNAV DA(H) 981' (349')	AD Elev 647' THR Elev 632'	13° E (2017)

Aproximación frustrada: ASC sobre curso 252° hasta WC803, continuar hasta ATEXI alcanzando 5400 ft, HLDG y seguir instrucciones del ATC.

Missed approach: Climb on course 252° to WC803, continue to ATEXI reaching 5400 ft, HLDG and proceed as directed by ATC.

NOTA: Para sistemas Baro VNAV no compensados, debajo de -17° C o superior a 48° C N.A.

NOTE: For uncompensated Baro VNAV system N.A. below -17° C or above 48° C.



DIRECTA RWY 25 / <i>Straight in RWY 25</i>										Circulación Visual <i>Circle to land</i>			
CAT	LNAV / VNAV				LNAV								
	DA 981'		DH 349'		MDA 1180'		MDH 548'						
VIS					VIS					CAT	MDA	MDH	VIS
A	1600 M				2700 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	7.0	4.0	3.0	2.0	1.6	
FAF - MAPt 7.0 NM		4:40	3:49	3:14	2:48	2:38	ALT	2900	1960	1630	1320	1180	
FPM		480	580	690	790	840	HGT	(2268)	(1328)	(998)	(688)	(548)	

1/2 EL CALAFATE (SAWC) RNP RWY 25											
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
10	ATIPO	S 50°09'57.95" W 071°43'26.01"	IF	N	N/A	N/A	N/A	+4800	-220	RNP APCH	1.0
20	ISAXO	S 50°15'45.36" W 071°45'49.92"	TF	N	6.0	183 (194.9)	N/A	+2900	-185	RNP APCH	1.0
10	PONRO	S 50°21'11.22" W 071°41'52.37"	IF	N	N/A	N/A	N/A	+4900	-220	RNP APCH	1.0
20	WC100	S 50°19'22.61" W 071°43'11.65"	TF	N	2.0	323 (335.0)	N/A	+4200	-220	RNP APCH	1.0
30	ISAXO	S 50°15'45.36" W 071°45'49.92"	TF	N	4.0	323 (335.0)	N/A	+2900	-185	RNP APCH	1.0
10	ESNAM	S 50°15'10.16" W 071°36'31.34"	IF	N	N/A	N/A	N/A	+4600	-220	RNP APCH	1.0
20	ISAXO	S 50°15'45.36" W 071°45'49.92"	TF	N	6.0	252 (264.3)	N/A	+2900	-185	RNP APCH	1.0
10	ISAXO	S 50°15'45.36" W 071°45'49.92"	IF	N	N/A	N/A	N/A	+2900	-185	RNP APCH	1.0
20	VUSDO	S 50°16'05.75" W 071°51'18.57"	TF	N	3.5	252 (264.4)	N/A	+2900	N/A	RNP APCH	1.0

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2/2 EL CALAFATE (SAWC) RNP RWY 25											
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
30	RW25	S 50°16'45,08" W 072°02'07,47"	TF	Y	7.0	252 (264.5)	N/A	@681	N/A	RNP APCH	0.3
40	WC803	S 50°17'11,54" W 072°09'33,80"	TF	N	4.8	252 (264.7)	N/A	N/A	-190	RNP APCH	1.0
50	ATEXI	S 50°18'13,54" W 072°27'33,61"	TF	N	11.6	252 (264.8)	N/A	+5400	-190	RNP APCH	1.0
60	ATEXI	S 50°18'13,54" W 072°27'33,61"	HM	Y	4.0	072 (085.0)	L	+5400	-190	RNP APCH	1.0

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Carta de aproximación por instrumentos
Instrument approach chart

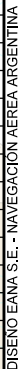
VOR RWY 07

13°E (2017)

310° 6200'

9100' 130°

MSA 25NM ECA

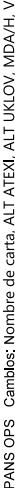
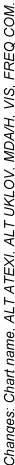
PANS OPS Camblos: NIL.DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

Carta de aproximación por instrumentos
Instrument approach chart

RNP RWY 07

Missed approach: Climb on course 072° until ESNAM reaching 4600 ft, HLDG and proceed as directed by ATC.

NOTE: For uncompensated Baro VNAV systems N.A. below -17° C or above 48° C.

DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DNINA

1/2 EL CALAFATE (SAWC) RNP RWY 07

Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
10	ATEXI	S 50°18'13.54" W 072°27'33.61"	IF	N	N/A	N/A	N/A	+5400	-220	RNP APCH	1.0
20	UKLOV	S 50°17'47.13" W 072°19'47.55"	TF	N	5.0	072 (085.0)	N/A	+3300	-185	RNP APCH	1.0
10	TORUK	S 50°11'48.92" W 072°20'37.41"	IF	N	N/A	N/A	N/A	+4000	-220	RNP APCH	1.0
20	UKLOV	S 50°17'47.13" W 072°19'47.55"	TF	N	6.0	162 (174.9)	N/A	+3300	-185	RNP APCH	1.0
10	UKLOV	S 50°17'47.13" W 072°19'47.55"	IF	N	N/A	N/A	N/A	+3300	N/A	RNP APCH	1.0
20	TODLO	S 50°17'20.19" W 072°12'01.63"	TF	N	5.0	072 (084.9)	N/A	+2290	N/A	RNP APCH	1.0
30	WC025	S 50°17'09.27" W 072°08'55.30"	TF	N	2.0	072 (084.8)	N/A	+1660	N/A	RNP APCH	0.3
40	RW07	S 50°16'52.74" W 072°04'15.86"	TF	Y	3.0	072 (084.8)	N/A	@697	N/A	RNP APCH	0.3
50	ESNAM	S 50°15'10.16" W 071°36'31.34"	CF	N	17.9	072 (084.7)	N/A	+4600	N/A	RNP APCH	1.0

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2/2 EL CALAFATE (SAWC) RNP RWY 07

Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
60	ESNAM	S 50°15'10.16" W 071°36'31.34"	HM	Y	4.0	252 (264.2)	R	+4600	-210	RNP APCH	1.0

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