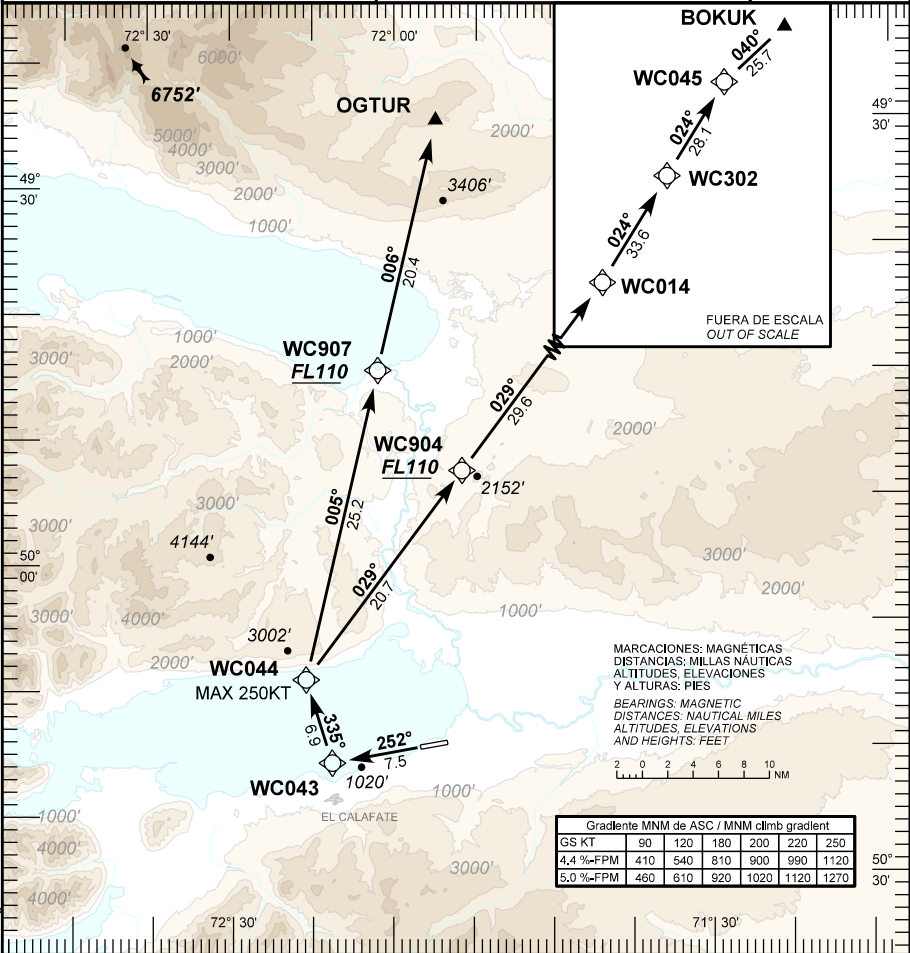
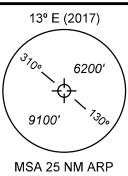


EL CALAFATE (SAWC)
EL CALAFATE

SID RNP RWY 25
OGTUR 1C - BOKUK 2C

Requiere Certificación Certification required				AD ELEV 647'		13° E (2017) 310° 6200' 130° 9100' MSA 25 NM ARP
RNP 1 / RNAV 1 GNSS				TRANS ALT 7000'		
ATIS 127.85	EL CALAFATE TWR 119.95 118.20	EL CALAFATE APP 119.95 118.20	COMODORO SUR 125.70 133.80	EMERG 121.50		
NOTA: NIL			NOTE: NIL			



Gradiente MNM de ASC / MNM climb gradient						
GS KT	90	120	180	200	220	250
4.4%-FPM	410	540	810	900	990	1120
5.0%-FPM	460	610	920	1020	1120	1270

SID RWY 25
OGTUR 1C: Pendiente mínima de ascenso 4.4% hasta WC907.
BOKUK 2C: Pendiente mínima de ascenso 5.0% WC904.

SID RWY 25
OGTUR 1C: Minimum climb gradient 4.4% until WC907.
BOKUK 2C: Minimum climb gradient 5.0% until WC904.

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1/2 EL CALAFATE (SAWC) SID RNP RWY 25 OGTUR 1C - BOKUK 2C											
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	WC043	S 50°17'33.72" W 072°15'54.57"	CF	N	7.5	252 (264.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC044	S 50°10'49.19" W 072°18'12.71"	TF	N	6.9	335 (347.6)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0
30	WC907	S 49°46'54.02" W 072°06'09.55"	TF	N	25.2	005 (018.1)	N/A	+FL110	N/A	RNAV 1 or RNP 1	1.0
40	OGTUR	S 49°27'31.03" W 071°56'32.68"	TF	N	20.4	006 (017.9)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
10	WC043	S 50°17'33.72" W 072°15'54.57"	CF	N	7.5	252 (264.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC044	S 50°10'49.19" W 072°18'12.71"	TF	N	6.9	335 (347.6)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0
30	WC904	S 49°55'21.97" W 071°56'52.67"	TF	N	20.7	029 (041.8)	N/A	+FL110	N/A	RNAV 1 or RNP 1	1.0
40	WC014	S 49°33'09.62" W 071°26'46.26"	TF	N	29.6	029 (041.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	WC302	S 49°05'52.22" W 070°56'47.46"	TF	N	33.6	024 (035.9)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
60	WC045	S 48°42'59.63" W 070°32'09.64"	TF	N	28.1	024 (035.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0

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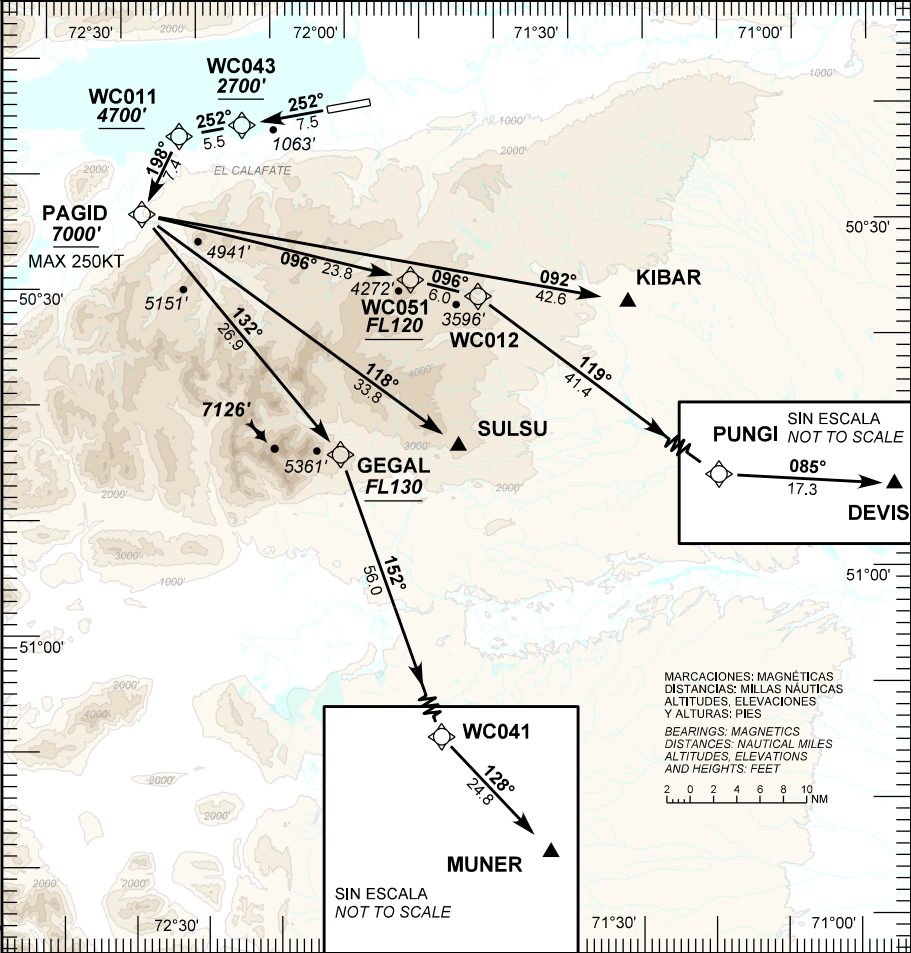
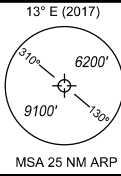
2/2 EL CALAFATE (SAWC) SID RNP RWY 25 OGTUR 1C - BOKUK 2C											
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
70	BOKUK	S 48°26'47.00" W 070°02'10.00"	TF	N	25.7	040 (051.0)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0

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EL CALAFATE (SAWC)
EL CALAFATE

SID RNP RWY 25
DEVIS 1C - KIBAR 1C - MUNER 1C - SULSU 1C

Requiere Certificación Certification required				AD ELEV	647'
RNP 1 / RNAV 1 GNSS				TRANS ALT	7000'
ATIS	EL CALAFATE GND	EL CALAFATE TWR/APP	EL CALAFATE CTL	COMODORO SUR	EMERG
127.85	121.80	119.95 118.20	125.35	125.70	121.50
NOTA: NIL.			RMK: NIL.		



SID DEVIS 1C, KIBAR 1C, SULSU 1C: Pendiente mínima de ascenso 5.0% hasta PAGID.
SID MUNER 1C: Pendiente mínima de ascenso 5.0% hasta PAGID después 3.8% hasta GEGAL.

SID DEVIS 1C, KIBAR 1C, SULSU 1C: Minimum climb gradient 5.0% until PAGID.
SID MUNER 1C: Minimum climb gradient 5.0% until PAGID then 3.8% until GEGAL.

EL CALAFATE (SAWC) SID RNP RWY 25 DEVI1C – KIBA1C – MUNE1C – SULS1C	
FIX IDENT	COORDINATES
WC011	S 50°18'03.04" W 72°24'27.17"
PAGID	S 50°24'26.36" W 72°30'24.25"
GE GAL	S 50°46'34.00" W 72°06'31.00"
WC041	S 51°40'42.12" W 71°43'48.04"
MUNER	S 52°00'00.00" W 71°18'36.00"
WC051	S 50°32'04.56" W 71°55'04.87"
WC012	S 50°33'58.25" W 71°46'09.39"
PUNGI	S 51°01'11.55" W 70°57'02.69"
DEVIS	S 51°03'19.00" W 70°29'50.00"
WC043	S 50°17'33.72" W 72°15'54.57"
SULSU	S 50°46'40.00" W 71°50'27.00"
KIBAR	S 50°35'28.00" W 71°25'59.00"

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1/2 - EL CALAFATE (SAWC) SID RNP RWY 25 DEVI1C - KIBA1C - MUNE1C - SULS1C												
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M° (T°)	Turn	Altitude	Altitude Description	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
010	WC043	CF	N	007.5	252 (264.8)	N/A	2700 ft	+	-250	RNAV 1 or RNP 1	1.0	13 E
020	WC011	TF	N	005.5	252 (264.9)	N/A	4700 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
030	PAGID	TF	N	007.4	198 (210.8)	N/A	7000 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
040	EGAL	TF	N	026.9	132 (145.3)	N/A	FL130	+	N/A	RNAV 1 or RNP 1	1.0	13 E
050	WC041	TF	N	056.0	152 (165.1)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
060	MUNER	TF	N	024.8	128 (140.9)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
010	WC043	CF	N	007.5	252 (264.8)	N/A	2700 ft	+	-250	RNAV 1 or RNP 1	1.0	13 E
020	WC011	TF	N	005.5	252 (264.9)	N/A	4700 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
030	PAGID	TF	N	007.4	198 (210.8)	N/A	7000 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
040	WC051	TF	N	023.8	096 (108.5)	N/A	FL120	+	N/A	RNAV 1 or RNP 1	1.0	13 E
050	WC012	TF	N	006.0	096 (108.4)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
060	PUNGI	TF	N	041.4	119 (130.9)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
070	DEVIS	TF	N	017.3	085 (096.9)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E

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DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS -DNINA

DISEÑO:EANA S.E. - NAVEGACIÓN AÉREA ARGENTINA

2/2 - EL CALAFATE (SAWC) SID RNP RWY 25 DEVI1C - KIBA1C - MUNE1C - SULS1C												
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M° (T°)	Turn	Altitude	Altitude Description	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2017)
010	WC043	CF	N	007.5	252 (264.8)	N/A	2700 ft	+	-250	RNAV 1 or RNP 1	1.0	13 E
020	WC011	TF	N	005.5	252 (264.9)	N/A	4700 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
030	PAGID	TF	N	007.4	198 (210.8)	N/A	7000 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
040	KIBAR	TF	N	042.6	092 (104.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
010	WC043	CF	N	007.5	252 (264.8)	N/A	2700 ft	+	-250	RNAV 1 or RNP 1	1.0	13 E
020	WC011	TF	N	005.5	252 (264.9)	N/A	4700 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
030	PAGID	TF	N	007.4	198 (210.8)	N/A	7000 ft	+	- 250	RNAV 1 or RNP 1	1.0	13 E
040	SULSU	TF	N	033.8	118 (130.9)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E

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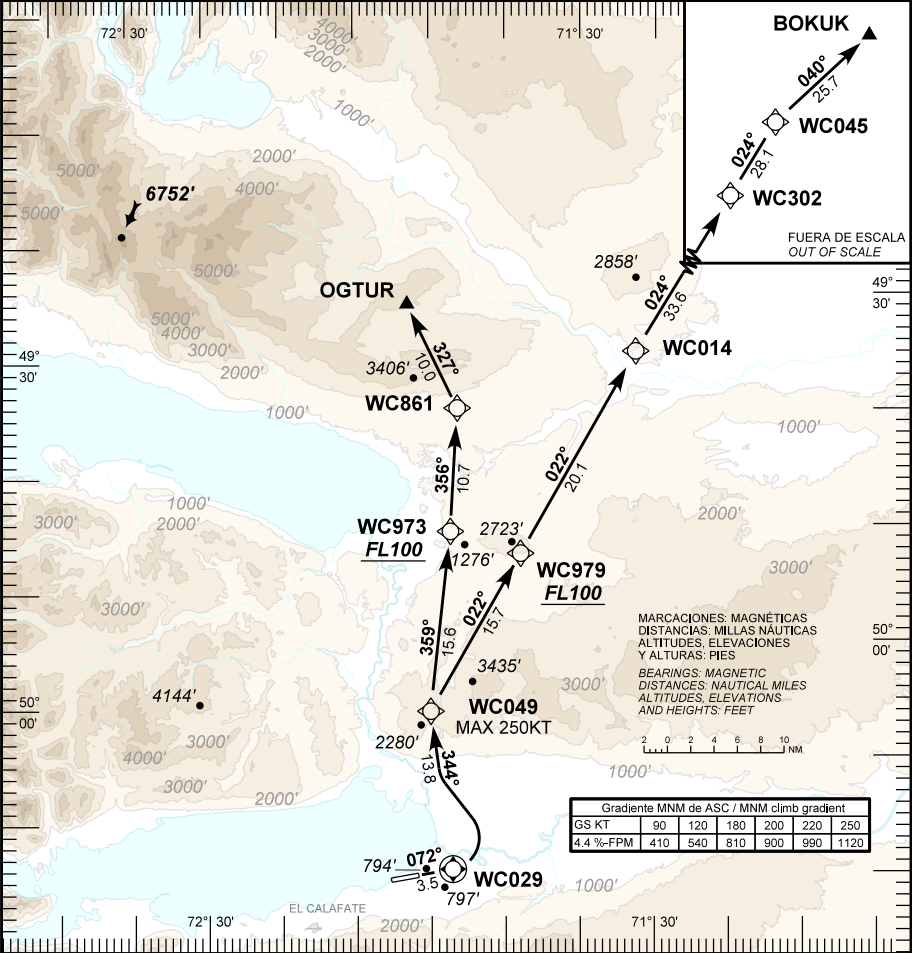
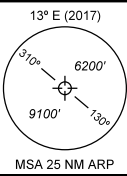
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS -DNINA

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EL CALAFATE (SAWC)
EL CALAFATE

SID RNP RWY 07
OGTUR 1G - BOKUK 2G

Requiere Certificación Certification required				AD ELEV 647'	
RNP 1 / RNAV 1 GNSS				TRANS ALT 7000'	
ATIS 127.85	EL CALAFATE TWR 119.95 118.20	EL CALAFATE APP 119.95 118.20		COMODORO SUR 125.70 133.80	EMERG 121.50
NOTA: NIL			NOTE: NIL		



SID RWY 07 OGTUR 1G: Pendiente mínima de ascenso 4.4% hasta WC973. BOKUK 2G: Pendiente mínima de ascenso 4.4% hasta WC979.	
SID RWY 07 OGTUR 1G: Minimum climb gradient 4.4% until WC973. BOKUK 2G: Minimum climb gradient 4.4% until WC979.	

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1/2 EL CALAFATE (SAWC) SID RNP RWY 07 OGTUR 1G - BOKUK 2G											
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	WC029	S 50°16'25.46" W 071°56'41.55"	CF	Y	3.5	072 (084.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC049	S 50°02'42.23" W 071°57'51.67"	TF	N	13.8	344 (356.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0
30	WC973	S 49°47'23.70" W 071°53'15.59"	TF	N	15.6	359 (011.0)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0
40	WC861	S 49°36'49.94" W 071°50'59.67"	TF	N	10.7	356 (007.9)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	OGTUR	S 49°27'31.03" W 071°56'32.68"	TF	N	10.0	327 (338.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
10	WC029	S 50°16'25.46" W 071°56'41.55"	CF	Y	3.5	072 (084.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC049	S 50°02'42.23" W 071°57'51.67"	TF	N	13.8	344 (356.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0
30	WC979	S 49°49'47.10" W 071°44'10.21"	TF	N	15.7	022 (034.5)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

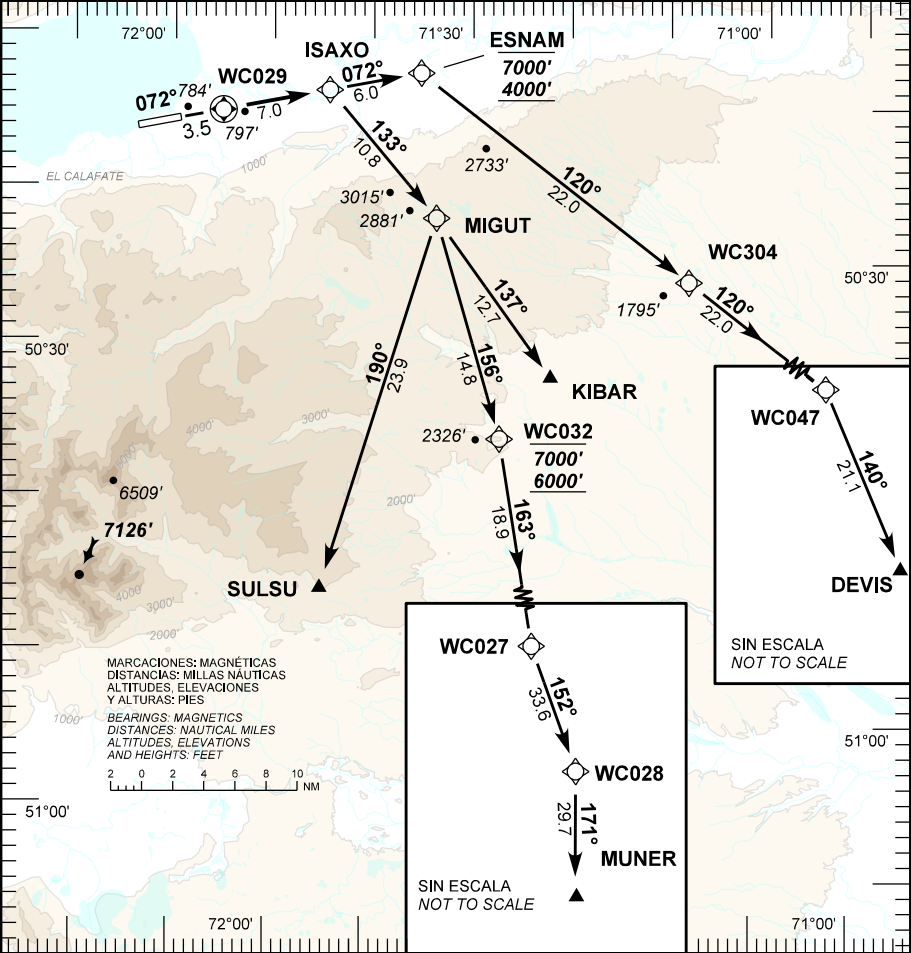
2/2 EL CALAFATE (SAWC) SID RNP RWY 07 OGTUR 1G - BOKUK 2G											
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
40	WC014	S 49°33'09.62" W 071°26'46.26"	TF	N	20.1	022 (034.3)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	WC302	S 49°05'52.22" W 070°56'47.46"	TF	N	33.6	024 (035.9)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
60	WC045	S 48°42'59.63" W 070°32'09.64"	TF	N	28.1	024 (035.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
70	BOKUK	S 48°26'47.00" W 070°02'10.00"	TF	N	25.7	040 (051.0)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0

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EL CALAFATE (SAWC)
EL CALAFATE

SID RNP RWY 07
DEVIS 1G - KIBAR 1G - MUNER 1G - SULSU 1G

Requiere Certificación Certification required				AD ELEV 647'		13° E (2017)  MSA 25 NM ARP
RNP 1 / RNAV 1 GNSS				TRANS ALT 7000'		
ATIS	EL CALAFATE GND	EL CALAFATE TWR/APP	EL CALAFATE CTL	COMODORO SUR	EMERG	
127.85	121.80	119.95 118.20	125.35	125.70	121.50	
NOTA: NIL.				RMK: NIL.		



SID KIBAR 1G: Pendiente mínima de ascenso 4.5% hasta MIGUT.
SID DEVIS 1G: Pendiente mínima de ascenso 3.4% hasta ISAXO.
SID MUNER 1G: Pendiente mínima de ascenso 3.5% hasta MIGUT.
SID SULSU 1G: Pendiente mínima de ascenso 4.5%.

SID KIBAR 1G: Minimum climb gradient 4.5% until MIGUT.
SID DEVIS 1G: Minimum climb gradient 3.4% until ISAXO.
SID MUNER 1G: Minimum climb gradient 3.5% until MIGUT.
SID SULSU 1G: Minimum climb gradient 4.5%.

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EL CALAFATE (SAWC) SID RNP RWY 07 DEVI1G – KIBA1G – MUNE1G – SULS1G	
FIX IDENT	COORDINATES
ISAXO	S 50°15'45.36" W 71°45'49.92"
ESNAM	S 50°15'10.16" W 71°36'31.34"
WC029	S 50°16'25.46" W 71°56'41.55"
WC047	S 50°44'49.24" W 70°45'39.20"
DEVIS	S 51°03'19.00" W 70°29'50.00"
SULSU	S 50°46'40.00" W 71°50'27.00"
MIGUT	S 50°24'35.87" W 71°36'09.98"
WC032	S 50°39'08.45" W 71°31'38.02"
WC027	S 50°57'59.93" W 71°29'22.08"
WC028	S 51°30'23.68" W 71°15'16.20"
MUNER	S 52°00'00.00" W 71°18'36.00"
KIBAR	S 50°35'28.00" W 71°25'59.00"
WC304	S 50°30'02.56" W 71°11'13.35"

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1/2 - EL CALAFATE (SAWC) SID RNP RWY 07 DEVI1G – KIBA1G – MUNE1G – SULS1G												
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M° (T°)	Turn	Altitude	Altitude Description	Speed Limit	Navigation Specification	RNP	Dec. (ARP 2017)
010	WC029	CF	Y	003.5	072 (084.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
020	ISAXO	TF	N	007.0	072 (084.4)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
030	MIGUT	TF	N	010.8	133 (145.0)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
040	WC032	TF	N	014.8	156 (168.7)	N/A	7000 ft 6000 ft	- +	N/A	RNAV 1 or RNP 1	1.0	13E
050	WC027	TF	N	018.9	163 (175.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
060	WC028	TF	N	033.6	152 (164.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
070	MUNER	TF	N	029.7	171 (184.0)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
010	WC029	CF	Y	003.5	072 (084.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
020	ISAXO	TF	N	007.0	072 (084.4)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
030	ESNAM	TF	N	006.0	072 (084.3)	N/A	7000 ft 4000 ft	- +	N/A	RNAV 1 or RNP 1	1.0	13E
040	WC304	TF	N	022.0	120 (132.4)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
050	WC047	TF	N	022.0	120 (132.1)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
060	DEVIS	TF	N	021.1	140 (151.5)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
010	WC029	CF	Y	003.5	072 (084.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E

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DISEÑO: EANA S.E. - NAVEGACIÓN AÉREA ARGENTINA

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2/2 - EL CALAFATE (SAWC) SID RNP RWY 07 DEVI1G – KIBA1G – MUNE1G – SULS1G												
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M° (T°)	Turn	Altitude	Altitude Description	Speed Limit	Navigation Specification	RNP	Dec. (ARP 2017)
020	ISAXO	TF	N	007.0	072 (084.4)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
030	MIGUT	TF	N	010.8	133 (145.0)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
040	SULSU	TF	N	023.9	190 (202.5)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
010	WC029	CF	Y	003.5	072 (084.6)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
020	ISAXO	TF	N	007.0	072 (084.4)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
030	MIGUT	TF	N	010.8	133 (145.0)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
040	KIBAR	TF	N	012.7	137 (149.1)	N/A	-	N/A	N/A	RNAV 1 or RNP 1	1.0	13E

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DISEÑO EANA S.E. - NAVEGACIÓN AÉREA ARGENTINA

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