



### 1/3 EL CALAFATE (SAWC) STAR RNP RWY 25 OGTUR 1Q - MOTNO 1Q - BOKUK 2Q - ATEXI 2Q

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	N/A	RNAV 1 or RNP 1	1.0
20	WC044	S 50°10'49.19" W 072°18'12.71"	TF	N	9.5	026 (039.0)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
30	WC046	S 50°09'58.47" W 071°58'56.27"	TF	N	12.4	073 (086.2)	N/A	+5000	N/A	RNAV 1 or RNP 1	1.0
40	ATIPO	S 50°09'57.95" W 071°43'26.01"	TF	N	10.0	078 (090.0)	N/A	+4800	N/A	RNAV 1 or RNP 1	1.0
10	MOTNO	S 48°10'28.00" W 071°07'22.00"	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC902	S 48°38'48.55" W 071°10'40.21"	TF	N	28.4	174 (184.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
30	WC906	S 49°16'13.19" W 071°15'07.62"	TF	N	37.6	173 (184.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
40	ASOPA	S 49°36'51.00" W 071°17'38.00"	TF	N	20.7	173 (184.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	WC659	S 49°54'33,61" W 071°31'20.89"	TF	N	19.8	195 (206.6)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

## 2/3 EL CALAFATE (SAWC) STAR RNP RWY 25 OGTUR 1Q - MOTNO 1Q - BOKUK 2Q - ATEXI 2Q

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	SARLI	S 50°01'01.42" W 071°36'24.06"	TF	N	7.2	195 (206.6)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
70	WC048	S 50°05'30.58" W 071°39'55.37"	TF	N	5.0	195 (206.8)	N/A	+6300	N/A	RNAV 1 or RNP 1	1.0
80	ATIPO	S 50°09'57.95" W 071°43'26.01"	TF	N	5.0	195 (206.8)	N/A	+4800	N/A	RNAV 1 or RNP 1	1.0
10	BOKUK	S 48°26'47.00" W 070°02'10.00"	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC017	S 48°47'01.28" W 070°23'30.76"	TF	N	24.7	205 (214.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
30	WC903	S 49°09'55.70" W 070°48'06.61"	TF	N	28.1	205 (215.1)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
40	ASOPA	S 49°36'51.00" W 071°17'38.00"	TF	N	33.1	204 (215.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	WC659	S 49°54'33,61" W 071°31'20,89"	TF	N	19.8	195 (206.6)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0
60	SARLI	S 50°01'01.42" W 071°36'24.06"	TF	N	7.2	195 (206.6)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

### 3/3 EL CALAFATE (SAWC) STAR RNP RWY 25 OGTUR 1Q - MOTNO 1Q - BOKUK 2Q - ATEXI 2Q

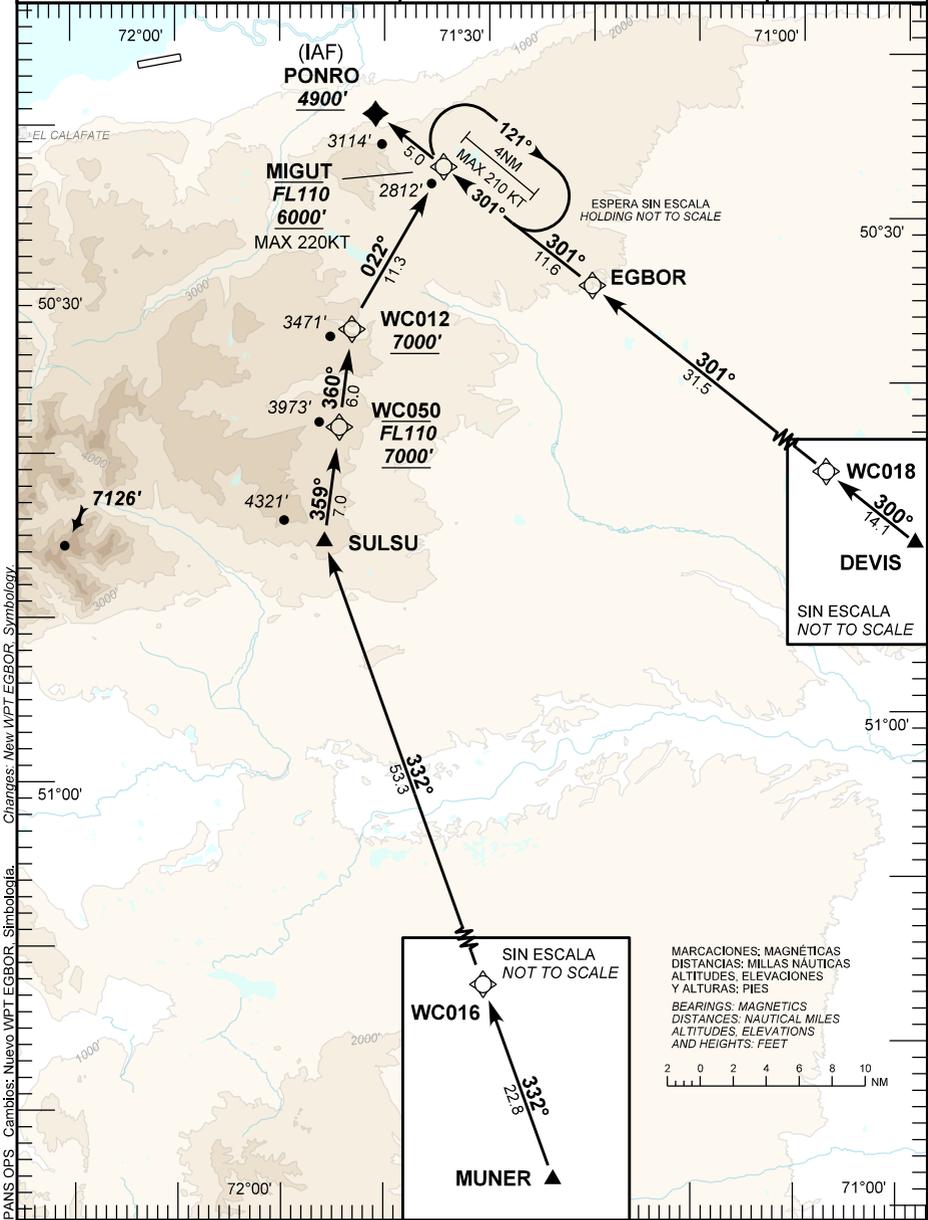
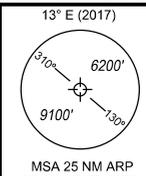
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
70	WC048	S 50°05'30.58" W 071°39'55.37"	TF	N	5.0	195 (206.8)	N/A	+6300	N/A	RNAV 1 or RNP 1	1.0
80	ATIPO	S 50°09'57.95" W 071°43'26.01"	TF	N	5.0	195 (206.8)	N/A	+4800	N/A	RNAV 1 or RNP 1	1.0
10	OGTUR	S 49°27'31.03" W 071°56'32.68"	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC905	S 49°40'12.61" W 071°48'58.35"	TF	N	13.6	147 (158.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
30	WC891	S 49°54'40,32" W 071°40'15.48"	TF	N	15.5	147 (158.7)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0
40	SARLI	S 50°01'01.42" W 071°36'24.06"	TF	N	6.8	147 (158.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	WC048	S 50°05'30.58" W 071°39'55.37"	TF	N	5.0	195 (206.8)	N/A	+6300	N/A	RNAV 1 or RNP 1	1.0
60	ATIPO	S 50°09'57.95" W 071°43'26.01"	TF	N	5.0	195 (206.8)	N/A	+4800	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

**EL CALAFATE (SAWC)**  
EL CALAFATE

**STAR RNP RWY 25**  
**DEVIS 1Q - MUNER 1Q**

Requiere Certificación Certification required				AD ELEV	<b>647'</b>
<b>RNP 1 / RNAV 1 GNSS</b>				TRANS ALT	<b>7000'</b>
ATIS <b>127.85</b>	COMODORO SUR <b>125.70</b>	EL CALAFATE CTL <b>125.35</b>	EL CALAFATE TWR/APP <b>119.95 118.20</b>	EMERG <b>121.50</b>	
NOTA: Nivel de Transición asignado por ATC.			RMK: Transition level assigned by ATC.		



PANS OPS. Cambios: Nuevo WPT EGBOR. Simbología. Changes: New WPT EGBOR. Symbolology.

DISEÑO EANA S.E. - NAVEGACION AEREA ARGENTINA  
DIRECCION REGULACION NORMAS Y PROCEDIMIENTOS - DINAA

31 ENERO 2019

EL CALAFATE (SAWC) STAR RNP RWY 25 DEVI1Q – MUNE1Q	
FIX IDENT	COOR DINATES
MUNER	52°00'00.00" S 071°18'36.00" W
WC016	51°38'05.19" S 071°28'18.22" W
SULSU	50°46'40.00" S 071°50'27.00" W
WC050	50°39'49.85" S 071°48'08.00" W
WC012	50°33'58.25" S 071°46'09.39" W
PONRO	50°21'11.22" S 071°41'52.37" W
DEVIS	51°03'19.00" S 070°29'50.00" W
WC018	50°53'49.41" S 070°46'22.09" W
MIGUT	50°24'35.87" S 071°36'09.98" W
EGBOR	50°32'29.52" S 071°22'52.56" W

31 ENERO 2019

EL CALAFATE (SAWC) STAR RNP RWY 25 DEVI1Q – MUNE 1Q												
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	MUNER	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
020	WC016	TF	N	22.8	332 (344.7)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
030	SULSU	TF	N	53.3	332 (345.0)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
040	WC050	TF	N	7.0	359 (012.1)	N/A	FL 110 7000	- +	N/A	RNAV 1 or RNP 1	1.0	13 E
050	WC012	TF	N	6.0	360 (012.1)	N/A	7000	+	N/A	RNAV 1 or RNP 1	1.0	13 E
060	MIGUT	TF	N	11.3	022 (034.2)	N/A	FL 110 6000	- +	- 220	RNAV 1 or RNP 1	1.0	13 E
070	PONRO	TF	N	5.0	301 (313.1)	N/A	4900	+	- 220	RNAV 1 or RNP 1	1.0	13 E
010	DEVIS	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
020	WC018	TF	N	14.1	300 (312.4)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
030	EGBOR	TF	N	31.5	301 (312.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13 E
040	MIGUT	TF	N	11.6	301 (313.0)	N/A	FL 110 6000	- +	- 220	RNAV 1 or RNP 1	1.0	13 E
050	PONRO	TF	N	5.0	301 (313.1)	N/A	4900	+	- 220	RNAV 1 or RNP 1	1.0	13 E

31 ENERO 2019



## 1/3 EL CALAFATE (SAWC) STAR RNP RWY 07 OGTUR 1U - MOTNO 1U - BOKUK 2U - ESNAM 2U

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	MOTNO	S 48°10'28.00" W 071°07'22.00"	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC902	S 48°38'48.55" W 071°10'40.21"	TF	N	28.4	174 (184.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
30	WC906	S 49°16'13.19" W 071°15'07.62"	TF	N	37.6	173 (184.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
40	ASOPA	S 49°36'51.00" W 071°17'38.00"	TF	N	20.7	173 (184.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
50	WC659	S 49°54'33.61" W 071°31'20.89"	TF	N	19.8	195 (206.5)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0
60	SARLI	S 50°01'01.42" W 071°36'24.06"	TF	N	7.2	195 (206.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
70	ATIPO	S 50°09'57.95" W 071°43'26.01"	TF	N	10.0	195 (206.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
80	GIGLU	S 50°11'16.00" W 072°09'09.59"	TF	N	16.6	253 (265.3)	N/A	+6000	N/A	RNAV 1 or RNP 1	1.0
90	TORUK	S 50°11'48.92" W 072°20'37.41"	TF	N	7.4	253 (265.7)	N/A	+4000	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

## 2/3 EL CALAFATE (SAWC) STAR RNP RWY 07 OGTUR 1U - MOTNO 1U - BOKUK 2U - ESNAM 2U

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	ESNAM	S 50°15'10.16" W 071°36'31.34"	IF	N	N/A	N/A	N/A	+6000	N/A	RNAV 1 or RNP 1	1.0
20	GIGLU	S 50°11'16.00" W 072°09'09.59"	TF	N	21.3	268 (280.4)	N/A	+6000	N/A	RNAV 1 or RNP 1	1.0
30	TORUK	S 50°11'48.92" W 072°20'37.41"	TF	N	7.4	253 (265.7)	N/A	+4000	N/A	RNAV 1 or RNP 1	1.0
10	OGTUR	S 49°27'31.03" W 071°56'32.68"	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC907	S 49°46'54.02" W 072°06'09.55"	TF	N	20.4	186 (197.8)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0
30	GIGLU	S 50°11'16.00" W 072°09'09.59"	TF	N	24.5	172 (184.5)	N/A	+6000	N/A	RNAV 1 or RNP 1	1.0
40	TORUK	S 50°11'48.92" W 072°20'37.41"	TF	N	7.4	253 (265.7)	N/A	+4000	N/A	RNAV 1 or RNP 1	1.0
10	BOKUK	S 48°26'47.00" W 070°02'10.00"	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
20	WC017	S 48°47'01.28" W 070°23'30.76"	TF	N	24.7	205 (214.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
30	ASOPA	S 49°36'51.00" W 071°17'38.00"	TF	N	61.2	205 (215.1)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

### 3/3 EL CALAFATE (SAWC) STAR RNP RWY 07 OGTUR 1U - MOTNO 1U - BOKUK 2U - ESNAM 2U

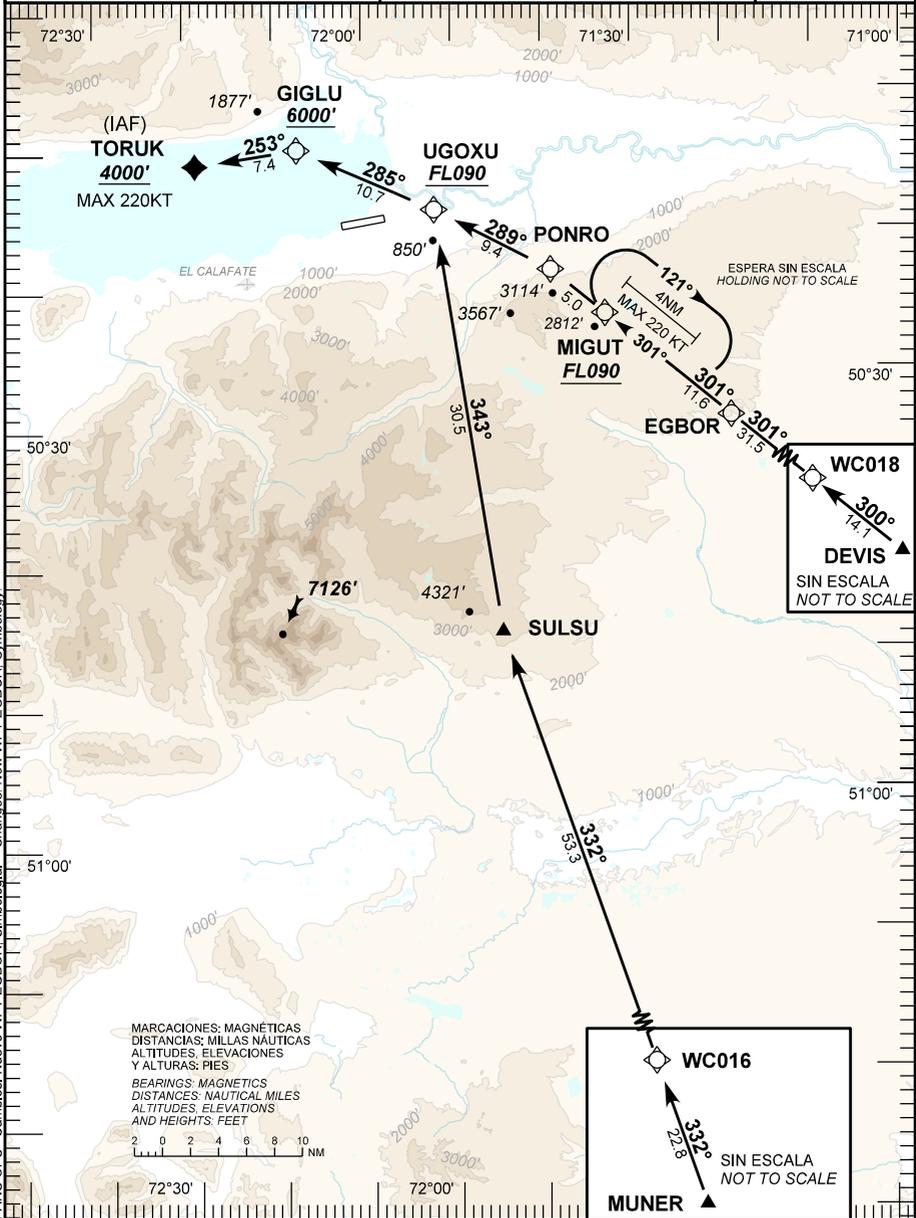
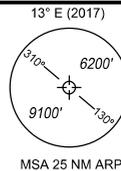
Seq Num	Fix Ident	Coordinates	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Alt / Descr (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP
40	WC659	S 49°54'33.61" W 071°31'20.89"	TF	N	19.8	195 (206.5)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0
50	SARLI	S 50°01'01.42" W 071°36'24.06"	TF	N	7.2	195 (206.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
60	ATIPO	S 50°09'57.95" W 071°43'26.01"	TF	N	10.0	195 (206.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0
70	GIGLU	S 50°11'16.00" W 072°09'09.59"	TF	N	16.6	253 (265.3)	N/A	+6000	N/A	RNAV 1 or RNP 1	1.0
80	TORUK	S 50°11'48.92" W 072°20'37.41"	TF	N	7.4	253 (265.7)	N/A	+4000	N/A	RNAV 1 or RNP 1	1.0

21 ABRIL 2022

**EL CALAFATE (SAWC)  
EL CALAFATE**

**STAR RNP RWY 07  
DEVIS 1U - MUNER 1U**

Requiere Certificación <i>Certification required</i>					AD ELEV	<b>647'</b>
<b>RNP 1 / RNAV 1 GNSS</b>					TRANS ALT	<b>7000'</b>
ATIS <b>127.85</b>	COMODORO SUR <b>125.70</b>	EL CALAFATE CTL <b>125.35</b>	EL CALAFATE TWR/APP <b>119.95 118.20</b>	EMERG <b>121.50</b>		
NOTA: Nivel de Transición asignado por ATC.			RMK: Transition level assigned by ATC.			



MARCACIONES: MAGNÉTICAS  
DISTANCIAS: MILLAS NAÚTICAS  
ALTITUDES, ELEVACIONES  
Y ALTURAS: PIES

BEARINGS: MAGNETICS  
DISTANCES: NAUTICAL MILES  
ALTITUDES, ELEVATIONS  
AND HEIGHTS: FEET



PANS OPS: Cambios: Nuevo WPT, EGBOR, Simbología, -Changes: New WPT, EGBOR, Symbolology

DISEÑO EANA S.E. - NAVEGACIÓN AEREA ARGENTINA  
DIRECCIÓN REGULACIÓN NORMAS Y PROCEDIMIENTOS - DINA

31 ENERO 2019

**EL CALAFATE (SAWC) STAR RNP RWY 07  
DEV1U - MUNE1U**

FIX IDENT	COORDINATES
MUNER	52°00'00.00" S 071°18'36.00" W
WC016	51°38'05.19" S 071°28'18.22" W
SULSU	50°46'40.00" S 071°50'27.00" W
DEVIS	51°03'19.00" S 070°29'50.00" W
WC018	50°53'49.41" S 070°46'22.09" W
MIGUT	50°24'35.87" S 071°36'09.98" W
PONRO	50°21'11.22" S 071°41'52.37" W
UGOXU	50°16'16.97" S 071°54'21.89" W
GIGLU	50°11'16.00" S 072°09'09.59" W
TORUK	50°11'48.92" S 072°20'37.42" W
EGBOR	50°32'29.52" S 071°22'52.56" W

31 ENERO 2019

EL CALAFATE (SAWC) STAR RNP RWY 07										DEV1U - MUNE 1U		
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	DEVIS	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
020	WC018	TF	N	14.1	300 (312.4)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
030	EGBOR	TF	N	31.5	301 (312.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
040	MIGUT	TF	N	11.6	301 (313.0)	N/A	FL 090	+	N/A	RNAV 1 or RNP 1	1.0	13E
050	PONRO	TF	N	5.0	301 (313.1)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
060	UGOXU	TF	N	9.4	289 (301.6)	N/A	FL 090	+	N/A	RNAV 1 or RNP 1	1.0	13E
070	GIGLU	TF	N	10.7	285 (298.0)	N/A	6000	+	N/A	RNAV 1 or RNP 1	1.0	13E
080	TORUK	TF	N	7.4	253 (265.8)	N/A	4000	+	- 220	RNAV 1 or RNP 1	1.0	13E
010	MUNER	IF	-	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
020	WC016	TF	N	22.8	332 (344.7)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
030	SULSU	TF	N	53.3	332 (345.0)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	13E
040	UGOXU	TF	N	30.5	343 (355.3)	N/A	FL 090	+	N/A	RNAV 1 or RNP 1	1.0	13E
050	GIGLU	TF	N	10.7	285 (298.0)	N/A	6000	+	N/A	RNAV 1 or RNP 1	1.0	13E
060	TORUK	TF	N	7.4	253 (265.8)	N/A	4000	+	- 220	RNAV 1 or RNP 1	1.0	13E

31 ENERO 2019