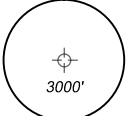
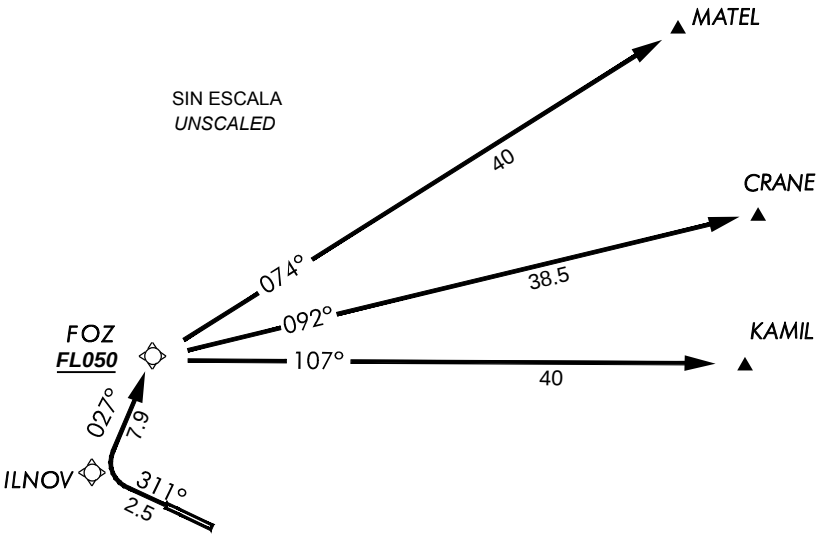


MY. D. CARLOS E. KRAUSE (SARI)
CATARATAS DEL IGUAZÚ

SID RNP RWY 31
MATEL 1G - CRANE 1G - KAMIL 1G

Requiere Certificación Certification Required				AD ELEV	916'	16° W (2018) 
RNP 1 / RNAV 1 GNSS				TRANS ALT	3000'	
ATIS 127.70	CATARATAS GND 121.80	CATARATAS TWR/APP 120.70 118.30	FOZ CTL 119.15 120.30		EMERG 121.50	MSA 25 NM ARP



Changes: FREQ APP.

Cambios: FREQ APP.

SID RWY 31: ASC con curso 311° hasta ILNOV, posterior viraje por derecha DCT FOZ MNM FL 50, luego MATEL 1G, CRANE 1G o KAMIL1G según corresponda.

SID RWY 31: Climb with course 311° until ILNOV, then right turn DCT FOZ MNM FL 50, then MATEL 1G, CRANE 1G or KAMIL 1G as appropriate.

DIRECCIÓN REGULACIÓN, NORMAS Y PROCEDIMIENTOS - DNINA

MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 31 MATEL 1G - CRANE 1G - KAMIL 1G		
FIX IDENT	COORDINATES	
DER31	25°43'51.74" S	054°29'18.16" W
ILNOV	25°42'48.43" S	054°31'49.62" W
FOZ	25°34'59.53" S	054°30'12.65" W
MATEL	25°13'27.60" S	053°52'56.40" W
CRANE	25°25'50.40" S	053°48'55.80" W
KAMIL	25°35'14.40" S	053°45'58.20" W

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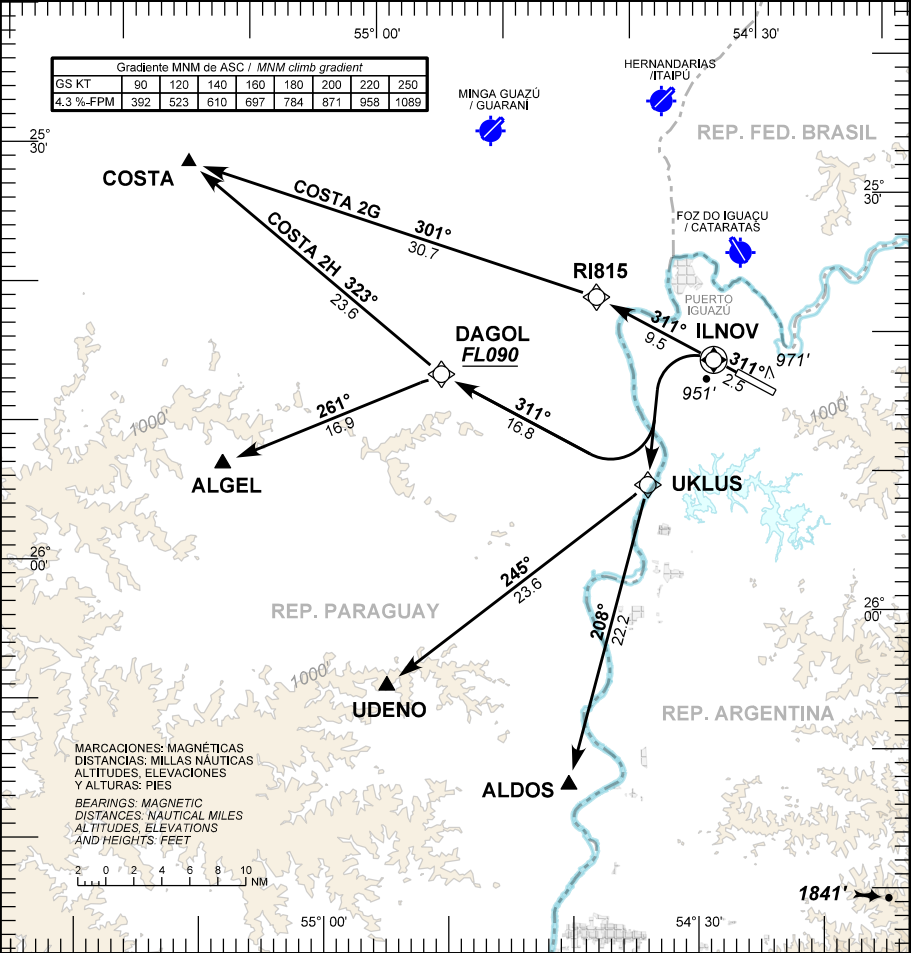
MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 31 MATEL 1G - CRANE 1G - KAMIL 1G											
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2018)
010	DER31	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ILNOV	TF	FB	2.5	311 (294.7)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	FOZ	TF	FB	7.9	027 (010.6)	N/A	+FL50	N/A	RNAV 1 o RNP 1	1.0	16°W
040	MATEL	TF	FB	40	074 (057.7)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
010	DER31	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ILNOV	TF	FB	2.5	311 (294.7)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	FOZ	TF	FB	7.9	027 (010.6)	N/A	+FL50	N/A	RNAV 1 o RNP 1	1.0	16°W
040	CRANE	TF	FB	38.5	092 (076.4)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
010	DER31	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ILNOV	TF	FB	2.5	311 (294.7)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	FOZ	TF	FB	7.9	027 (010.6)	N/A	+FL50	N/A	RNAV 1 o RNP 1	1.0	16°W
040	KAMIL	TF	FB	40	107 (090.5)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W

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MY. D. CARLOS E. KRAUSE (SARI)
CATARATAS DEL IGUAZÚ

SID RNP RWY 31
COSTA 2G - COSTA 2H - ALGEL 2G - UDENO 2G - ALDOS 1G

Requiere Certificación <i>Certification required</i>				AD ELEV 916'		16° W (2018)  MSA 25 NM ARP
RNP 1 / RNAV 1 GNSS				TRANS ALT 3000'		
ATIS 127.70	CATARATAS GND 121.80	CATARATAS TWR/APP 120.70 118.30	FOZ CTL 119.15 120.30	EMERG 121.50		
NOTA: NIL.			NOTE: NIL.			



SID RWY 31:	
ALDOS 1G - ALGEL 2G - COSTA 2H - UDENO 2G: IAS MAX 250 KT hasta ILNOV.	
ALGEL 2G - COSTA 2H: Gradiente Mínimo de Ascenso 4.3% hasta DAGOL debido a restricciones del espacio aéreo.	
SID RWY 31:	
ALDOS 1G - ALGEL 2G - COSTA 2H - UDENO 2G: IAS MAX 250 KT to ILNOV.	
ALGEL 2G - COSTA 2H: Minimum Climb Gradient 4.3% to DAGOL due to airspace restrictions.	

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MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 31	
COSTA 2G -COSTA 2H - ALGEL 2G - UDENO 2G - ALDOS 1G	
FIX IDENT	COORDINATES
ILNOV	25°42'48.43" S 054°31'49.62" W
UKLUS	25°52'02.58" S 054°36'26.80" W
UDENO	26°07'29.00" S 054°56'14.00" W
RI815	25°38'48.17" S 054°41'22.81" W
COSTA	25°30'43.00" S 055°14'11.00" W
DAGOL	25°44'57.60" S 054°53'18.00" W
ALDOS	26°13'50.00" S 054°41'20.00" W
ALGEL	25°52'12.00" S 055°10'14.00" W

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1/2 MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 31 COSTA 2G -COSTA 2H - ALGEL 2G - UDENO 2G - ALDOS 1G											
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 2018)
010	ILNOV	CF	Y	2.5	311 (294.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	UKLUS	DF	N	N/A	N/A	L	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	ALDOS	TF	N	22.2	208 (191.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ILNOV	CF	Y	2.5	311 (294.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	UKLUS	DF	N	N/A	N/A	L	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	DAGOL	TF	N	16.8	311 (295.0)	N/A	+FL090	N/A	RNAV 1 or RNP 1	1.0	16 W
040	ALGEL	TF	N	16.9	261 (244.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ILNOV	CF	Y	2.5	311 (294.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	RI815	TF	N	9.5	311 (294.9)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	COSTA	TF	N	30.7	301 (285.3)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W

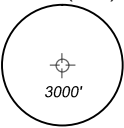
27 FEBRERO 2020

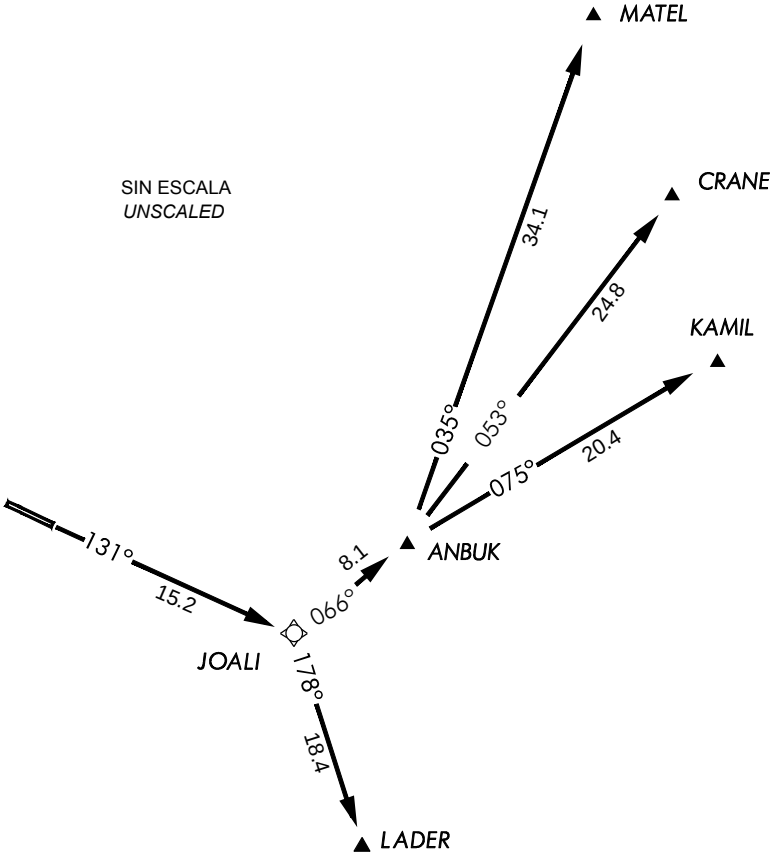
2/2 MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 31 COSTA 2G -COSTA 2H - ALGEL 2G - UDENO 2G - ALDOS 1G											
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2018)
010	ILNOV	CF	Y	2.5	311 (294.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	UKLUS	DF	N	N/A	N/A	L	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	UDENO	TF	N	23.6	245 (229.3)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ILNOV	CF	Y	2.5	311 (294.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	UKLUS	DF	N	N/A	N/A	L	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	DAGOL	TF	N	16.8	311 (295.0)	N/A	+FL090	N/A	RNAV 1 or RNP 1	1.0	16 W
040	COSTA	TF	N	23.6	323 (307.0)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W

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MY. D. CARLOS E. KRAUSE (SARI)
CATARATAS DEL IGUAZÚ

SID RNP RWY 13
MATEL 1C - CRANE 1C - KAMIL 1C - LADER 1C

Requiere Certificación Certification Required				AD ELEV	916'	16° W (2018)  MSA 25 NM ARP
RNP 1 / RNAV 1 GNSS				TRANS ALT	3000'	
ATIS 127.70	CATARATAS GND 121.80	CATARATAS TWR/APP 120.70 118.30	FOZ CTL 119.15 120.30	EMERG 121.50		



SID RWY 13:
KAMIL1C/CRANE1C/MATEL1C: ASC con curso 131° hasta JOALI , posterior viraje por izquierda hasta ANBUK luego, KAMIL1C, CRANE1C o MATEL1C según corresponda.
LADER1C:ASC con curso 131° hasta JOALI , posterior viraje por derecha DCT LADER.

SID RWY 13:
KAMIL1C/CRANE1C/MATEL1C: Climb with course 131° until JOALI, turn left until ANBUK then, KAMIL1C, CRANE1C or MATEL1C as appropriate.
LADER1C: Climb with course 131° until JOALI, turn right DCT LADER.

DIRECCIÓN REGULACIÓN, NORMAS Y PROCEDIMIENTOS - DINIVA

Cambios: FREQ APP. Changes: FREQ APP.

MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 13 MATEL 1C - CRANE 1C - KAMIL 1C - LADER 1C		
FIX IDENT	COORDINATES	
DER13	25°44'36.66" S	054°27'30.64" W
JOALI	25°50'59.13" S	054°12'12.07" W
ANBUK	25°45'47.40" S	054°05'15.60" W
MATEL	25°13'27.60" S	053°52'56.40" W
CRANE	25°25'50.40" S	053°48'55.80" W
KAMIL	25°35'14.40" S	053°45'58.20" W
LADER	26°08'33.00" S	054°05'54.00" W

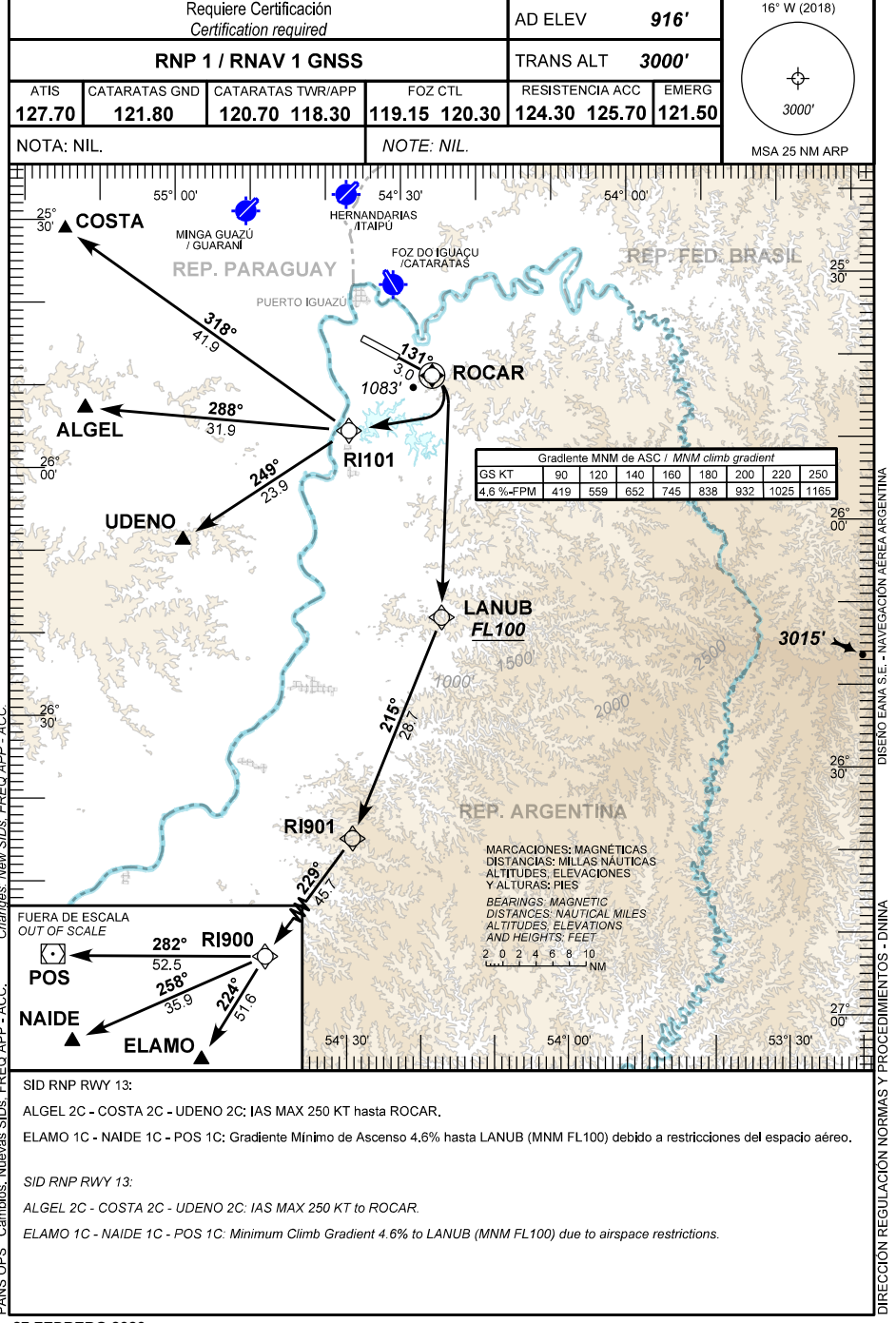
27 FEBRERO 2020

MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 13 MATEL 1C - CRANE 1C - KAMIL 1C - LADER 1C											
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 2018)
010	DER13	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	15.2	131 (114.8)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	ANBUK	TF	FB	8.1	066 (050.4)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
040	MATEL	TF	FB	34.1	035 (019.1)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
010	DER13	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	15.2	131 (114.8)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	ANBUK	TF	FB	8.1	066 (050.4)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
040	CRANE	TF	FB	24.8	053 (036.6)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
010	DER13	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	15.2	131 (114.8)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	ANBUK	TF	FB	8.1	066 (050.4)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
040	KAMIL	TF	FB	20.4	075 (059.0)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
010	DER13	CF	N/A	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	15.2	131 (114.8)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
030	LADER	TF	FB	18.4	178 (162.0)	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W

27 FEBRERO 2020

MY. D. CARLOS E. KRAUSE (SARI)
CATARATAS DEL IGUAZÚ

SID RNP RWY 13
COSTA 2C - ALGEL 2C - UDENO 2C - POS 1C - NAIDE 1C - ELAMO 1C



SID RNP RWY 13:
ALGEL 2C - COSTA 2C - UDENO 2C: IAS MAX 250 KT hasta ROCAR.
ELAMO 1C - NAIDE 1C - POS 1C: Gradiente Mínimo de Ascenso 4,6% hasta LANUB (MNM FL100) debido a restricciones del espacio aéreo.

SID RNP RWY 13:
ALGEL 2C - COSTA 2C - UDENO 2C: IAS MAX 250 KT to ROCAR.
ELAMO 1C - NAIDE 1C - POS 1C: Minimum Climb Gradient 4.6% to LANUB (MNM FL100) due to airspace restrictions.

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MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 13	
COSTA 2C - ALGEL 2C - UDENO 2C - POS 1C - NAIDE 1C - ELAMO 1C	
FIX IDENT	COORDINATES
ROCAR	25°45'57.05" S 054°24'18.04" W
RI101	25°53'11.28" S 054°34'55.64" W
ALGEL	25°52'12.00" S 055°10'14.00" W
UDENO	26°07'29.00" S 054°56'14.00" W
LANUB	26°15'01.50" S 054°21'04.35" W
RI901	26°42'19.65" S 054°31'13.61" W
RI900	27°20'36.60" S 054°59'16.39" W
ELAMO	28°06'02.00" S 055°27'08.00" W
NAIDE	27°36'48.00" S 055°35'16.00" W
COSTA	25°30'43.00" S 055°14'11.00" W
POS	27°23'08.05" S 055°58'08.69" W

26 MARZO 2020

1/3 MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 13											
COSTA 2C - ALGEL 2C - UDENO 2C - POS 1C - NAIDE 1C - ELAMO 1C											
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 2018)
010	ROCAR	CF	Y	3.0	131 (114.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	RI101	DF	N	N/A	N/A	R	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	ALGEL	TF	N	31.9	288 (271.1)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ROCAR	CF	Y	3.0	131 (114.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	RI101	DF	N	N/A	N/A	R	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	UDENO	TF	N	23.9	249 (233.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ROCAR	CF	Y	3.0	131 (114.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	LANUB	DF	N	N/A	N/A	R	+FL100	N/A	RNAV 1 or RNP 1	1.0	16 W
030	RI901	TF	N	28.7	215 (198.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
040	RI900	TF	N	45.7	229 (213.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W

26 MARZO 2020

2/3 MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 13											
COSTA 2C - ALGEL 2C - UDENO 2C - POS 1C - NAIDE 1C - ELAMO 1C											
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 2018)
050	ELAMO	TF	N	51.6	224 (208.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ROCAR	CF	Y	3.0	131 (114.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	LANUB	DF	N	N/A	N/A	R	+FL100	N/A	RNAV 1 or RNP 1	1.0	16 W
030	RI901	TF	N	28.7	215 (198.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
040	RI900	TF	N	45.7	229 (213.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
050	NAIDE	TF	N	35.9	258 (243.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ROCAR	CF	Y	3.0	131 (114.8)	N/A	N/A	-250	RNAV 1 or RNP 1	1.0	16 W
020	RI101	DF	N	N/A	N/A	R	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	COSTA	TF	N	41.9	318 (302.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W

26 MARZO 2020

3/3 MY. D. CARLOS E. KRAUSE (SARI) SID RNP RWY 13											
COSTA 2C - ALGEL 2C - UDENO 2C - POS 1C - NAIDE 1C - ELAMO 1C											
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 2018)
010	ROCAR	CF	Y	3.0	131 (114.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	LANUB	DF	N	N/A	N/A	R	+FL100	N/A	RNAV 1 or RNP 1	1.0	16 W
030	RI901	TF	N	28.7	215 (198.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
040	RI900	TF	N	45.7	229 (213.4)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
050	POS	TF	N	52.5	282 (267.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W

26 MARZO 2020