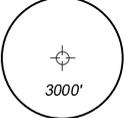


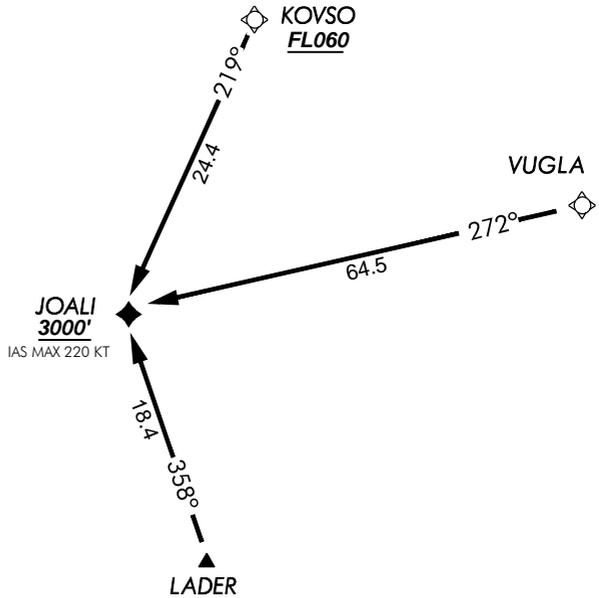
**MY. D. CARLOS E. KRAUSE (SARI)
CATARATAS DEL IGUAZÚ**

**STAR RNP RWY 31
KOVSO 1Q - VUGLA 1Q - LADER 1Q**

Requiere Certificación <i>Certification Required</i>			AD ELEV	916'	16° W (2018) 
RNP 1 / RNAV 1 GNSS			TRANS ALT	3000'	
ATIS 127.70	FOZ CTL 119.15 120.30	CATARATAS APP 120.70 118.30	CATARATAS TWR 120.70 118.30	EMERG 121.50	

MSA 25 NM ARP

SIN ESCALA
UNSCALED



Changes: FREQ APP.

Cambios: FREQ APP.

DIRECCIÓN REGULACIÓN, NORMAS Y PROCEDIMIENTOS - DININA

27 FEBRERO 2020

**MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 31
KOVSO 1Q - VUGLA 1Q - LADER 1Q**

FIX IDENT	COORDINATES	
VUGLA	25°35'26.22" S	053°02'52.80" W
JOALI	25°50'59.13" S	054°12'12.07" W
KOVSO	25°28'33.00" S	054°01'27.60" W
LADER	26°08'33.00" S	054°05'54.00" W

27 FEBRERO 2020

MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 31 KOVSO 1Q - VUGLA 1Q - LADER 1Q

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	VUGLA	IF	FB	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	64.5	272 (255.8)	N/A	+3000	-220	RNAV 1 o RNP 1	1.0	16°W
010	KOVSO	IF	FB	NA	N/A	N/A	+FL60	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	24.4	219 (203.4)	N/A	+3000	-220	RNAV 1 o RNP 1	1.0	16°W
010	LADER	IF	FB	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	JOALI	TF	FB	18.4	358 (342.0)	N/A	+3000	-220	RNAV 1 o RNP 1	1.0	16°W

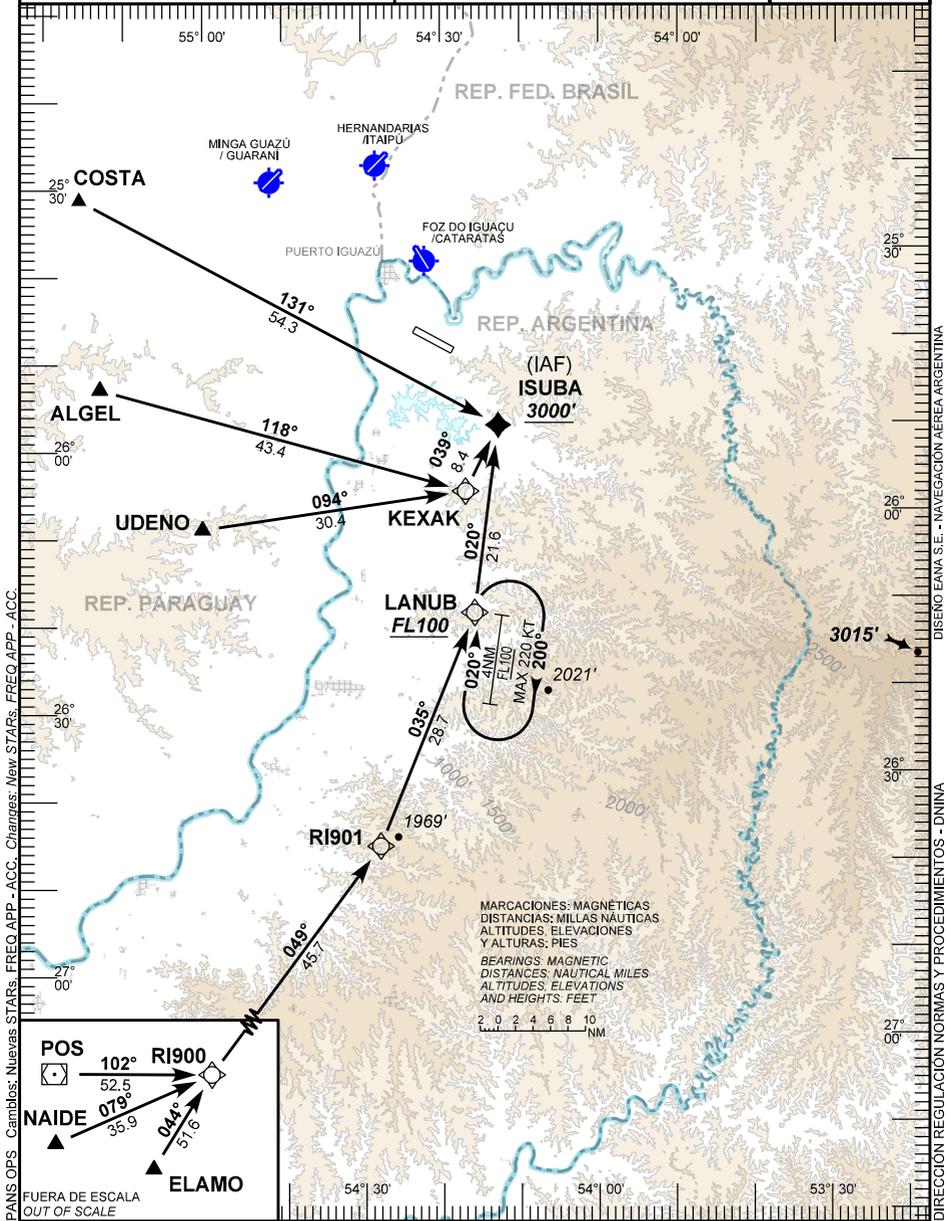
27 FEBRERO 2020

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

STAR RNP RWY 31

COSTA 2Q - ALGEL 2Q - UDENO 2Q - POS 1Q - NAIDE 1Q - ELAMO 1Q

Requiere Certificación Certification required					AD ELEV 916'		16° W (2018)  3000'		
RNP 1 / RNAV 1 GNSS					TRANS ALT 3000'				
ATIS	RESISTENCIA ACC		FOZ CTL		CATARATAS APP		CATARATAS TWR	EMERG	
127.70	124.30	125.70	119.15	120.30	120.70	118.30	120.70	118.30	121.50
NOTA: Nivel de Transición asignado por ATC.					NOTE: Transition level assigned by ATC.			MSA 25 NM ARP	



27 FEBRERO 2020

MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 31
COSTA 2Q - ALGEL 2Q - UDENO 2Q - POS 1Q - NAIDE 1Q - ELAMO 1Q

FIX IDENT	COORDINATES
ALGEL	25°52'12.00" S 055°10'14.00" W
COSTA	25°30'43.00" S 055°14'11.00" W
ISUBA	25°53'27.26" S 054°19'33.90" W
KEXAK	26°01'14.81" S 054°23'10.23" W
NAIDE	27°36'48.00" S 055°35'16.00" W
UDENO	26°07'29.00" S 054°56'14.00" W
ELAMO	28°06'02.00" S 055°27'08.00" W
RI900	27°20'36.60" S 054°59'16.39" W
RI901	26°42'19.65" S 054°31'13.61" W
LANUB	26°15'01.50" S 054°21'04.35" W
POS	27°23'08.05" S 055°58'08.69" W

27 FEBRERO 2020

1/3 MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 31											
COSTA 2Q - ALGEL 2Q - UDENO 2Q - POS 1Q - NAIDE 1Q - ELAMO 1Q											
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	NAIDE	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	RI900	TF	N	35.9	079 (063.1)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	RI901	TF	N	45.7	049 (033.2)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
040	LANUB	TF	N	28.7	035 (018.5)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0	16 W
050	ISUBA	TF	N	21.6	020 (003.6)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ELAMO	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	RI900	TF	N	51.6	044 (028.5)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	RI901	TF	N	45.7	049 (033.2)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
040	LANUB	TF	N	28.7	035 (018.5)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0	16 W
050	ISUBA	TF	N	21.6	020 (003.6)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W

27 FEBRERO 2020

2/3 MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 31											
COSTA 2Q - ALGEL 2Q - UDENO 2Q - POS 1Q - NAIDE 1Q - ELAMO 1Q											
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	UDENO	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	KEXAK	TF	N	30.4	094 (078.1)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	ISUBA	TF	N	8.4	039 (022.7)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W
010	ALGEL	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	KEXAK	TF	N	43.4	118 (101.8)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	ISUBA	TF	N	8.4	039 (022.7)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W
010	COSTA	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	ISUBA	TF	N	54.3	131 (114.5)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W

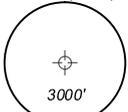
27 FEBRERO 2020

3/3 MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 31											
COSTA 2Q - ALGEL 2Q - UDENO 2Q - POS 1Q - NAIDE 1Q - ELAMO 1Q											
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	POS	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	RI900	TF	N	52.5	102 (087.0)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	RI901	TF	N	45.7	049 (033.2)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
040	LANUB	TF	N	28.7	035 (018.5)	N/A	+FL100	N/A	RNAV 1 or RNP 1	1.0	16 W
050	ISUBA	TF	N	21.6	020 (003.6)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W

27 FEBRERO 2020

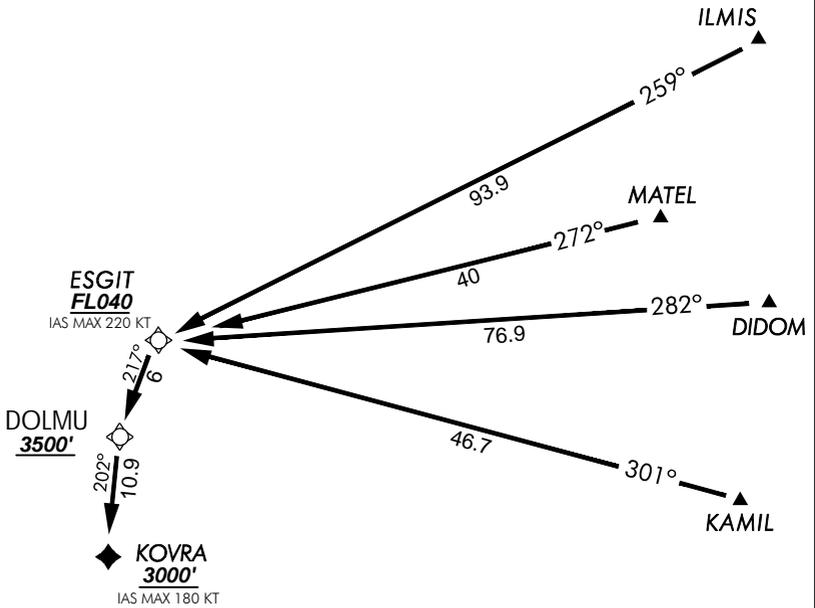
**MY. D. CARLOS E. KRAUSE (SARI)
CATARATAS DEL IGUAZÚ**

**STAR RNP RWY 13
ILMIS 1M - MATEL 1M - DIDOM 1M - KAMIL 1M**

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

MSA 25 NM ARP

SIN ESCALA
UNSCALED



Cambios: FREQ APP. Changes: FREQ APP.

DIRECCIÓN REGULACIÓN, NORMAS Y PROCEDIMIENTOS - DININA

27 FEBRERO 2020

**MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 13
ILMIS 1M - MATEL 1M - DIDOM 1M - KAMIL 1M**

FIX IDENT	COORDINATES	
DIDOM	25°17'54.00" S	053°11'06.00" W
ESGIT	25°23'12.00" S	054°35'47.40" W
DOLMU	25°28'49.80" S	054°38'07.20" W
KOVRA	25°39'39.31" S	054°39'21.13" W
KAMIL	25°35'14.40" S	053°45'58.20" W
ILMIS	24°40'48.33" S	053°03'27.26" W
MATEL	25°13'27.60" S	053°52'56.40" W

27 FEBRERO 2020

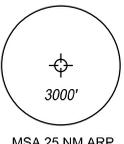
**MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 13
ILMIS 1M - MATEL 1M - DIDOM 1M - KAMIL 1M**

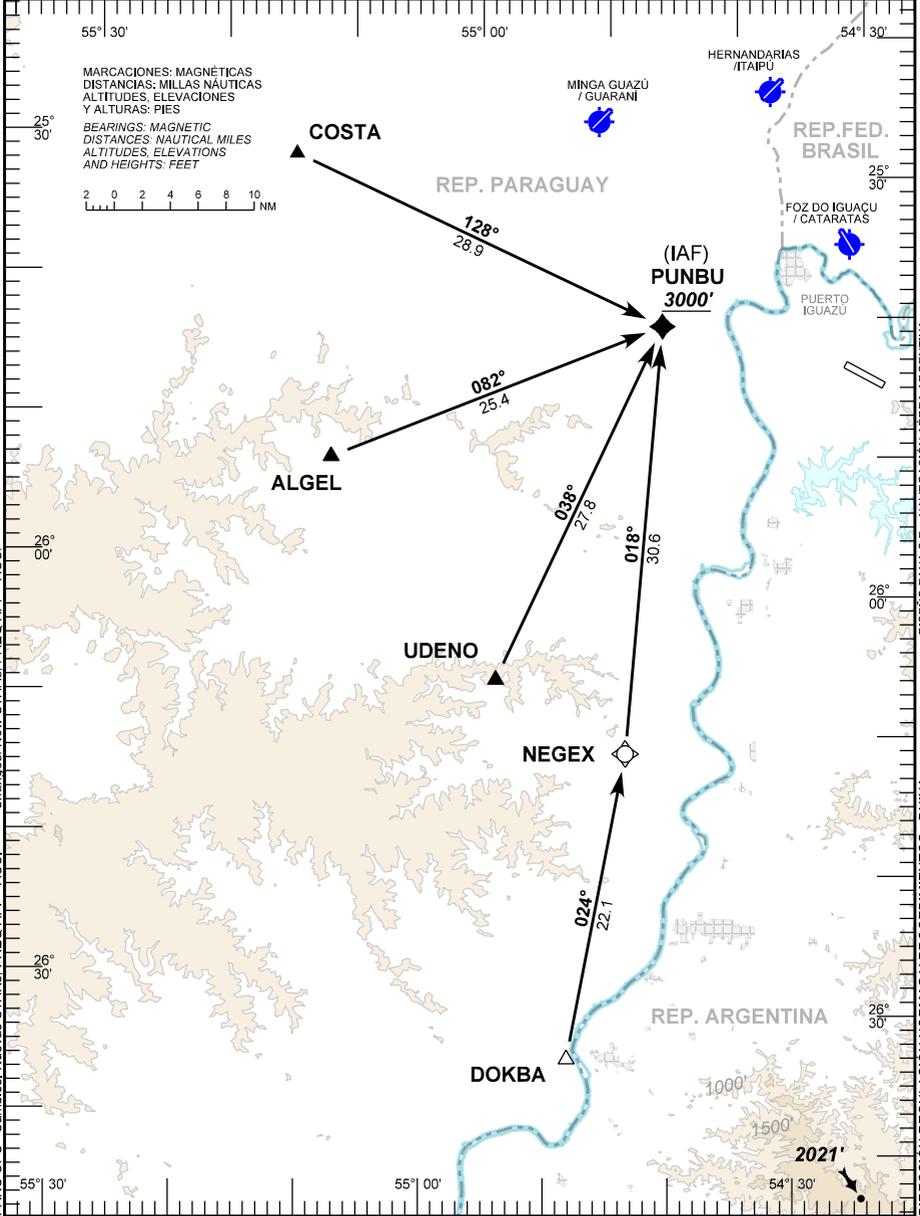
Seq Num	Fix Ident	Path Terminator	Fly Over	Distance (NM)	Course M°(T°)	Turn	Altitude (ft/FL)	Speed Limit (Kt)	Navigation Specification	RNP	Dec (ARP 2018)
010	DIDOM	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ESGIT	TF	N	76.9	282 (265.7)	N/A	+FL040	-220	RNAV 1 o RNP 1	1.0	16°W
030	DOLMU	TF	N	6	217 (200.6)	N/A	+3500	N/A	RNAV 1 o RNP 1	1.0	16°W
040	KOVRA	TF	N	10.9	202 (185.9)	N/A	+3000	-180	RNAV 1 o RNP 1	1.0	16°W
010	KAMIL	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ESGIT	TF	N	46.7	301 (284.7)	N/A	+FL040	-220	RNAV 1 o RNP 1	1.0	16°W
030	DOLMU	TF	N	6	217 (200.6)	N/A	+3500	N/A	RNAV 1 o RNP 1	1.0	16°W
040	KOVRA	TF	N	10.9	202 (185.9)	N/A	+3000	-180	RNAV 1 o RNP 1	1.0	16°W
010	ILMIS	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ESGIT	TF	N	93.9	259 (242.9)	N/A	+FL040	-220	RNAV 1 o RNP 1	1.0	16°W
030	DOLMU	TF	N	6	217 (200.6)	N/A	+3500	N/A	RNAV 1 o RNP 1	1.0	16°W
040	KOVRA	TF	N	10.9	202 (185.9)	N/A	+3000	-180	RNAV 1 o RNP 1	1.0	16°W
010	MATEL	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 o RNP 1	1.0	16°W
020	ESGIT	TF	N	40	272 (255.8)	N/A	+FL040	-220	RNAV 1 o RNP 1	1.0	16°W
030	DOLMU	TF	N	6	217 (200.6)	N/A	+3500	N/A	RNAV 1 o RNP 1	1.0	16°W
040	KOVRA	TF	N	10.9	202 (185.9)	N/A	+3000	-180	RNAV 1 o RNP 1	1.0	16°W

27 FEBRERO 2020

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

**STAR RNP RWY 13
COSTA 2M - ALGEL 2M - UDENO 2M - DOKBA 2M**

Requiere Certificación <i>Certification required</i>					AD ELEV	916'		16° W (2018)	
RNP 1 / RNAV 1 GNSS					TRANS ALT	3000'			
ATIS	RESISTENCIA ACC	FOZ CTL	CATARATAS APP	CATARATAS TWR	EMERG				
127.70	124.30	125.70	119.15 120.30	120.70 118.30	120.70 118.30	121.50			
NOTA: Nivel de Transición asignado por ATC.				NOTE: Transition level assigned by ATC.					



Changes: New STARs: FREQ APP - ACC.

PANS OPS: Cambios: Nuevas STARs: FREQ APP - ACC.

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

27 FEBRERO 2020

**1/1 MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 13
COSTA 2M - ALGEL 2M - UDENO 2M - DOKBA 2M**

FIX IDENT	COORDINATES
ALGEL	25°52'12.00" S 055°10'14.00" W
COSTA	25°30'43.00" S 055°14'11.00" W
UDENO	26°07'29.00" S 054°56'14.00" W
PUNBU	25°41'38.36" S 054°44'35.25" W
DOKBA	26°34'16.00" S 054°48'56.00" W
NEGEX	26°12'16.51" S 054°45'36.81" W

27 FEBRERO 2020

1/1 MY. D. CARLOS E. KRAUSE (SARI) STAR RNP RWY 13											
COSTA 2M - ALGEL 2M - UDENO 2M - DOKBA 2M											
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	ALGEL	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	PUNBU	TF	N	25.4	082 (065.4)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W
010	COSTA	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	PUNBU	TF	N	28.9	128 (112.0)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W
010	DOKBA	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	NEGEX	TF	N	22.1	024 (007.7)	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
030	PUNBU	TF	N	30.6	018 (001.7)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W
010	UDENO	IF	N	N/A	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	16 W
020	PUNBU	TF	N	27.8	038 (022.1)	N/A	+3000	N/A	RNAV 1 or RNP 1	1.0	16 W

27 FEBRERO 2020