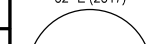
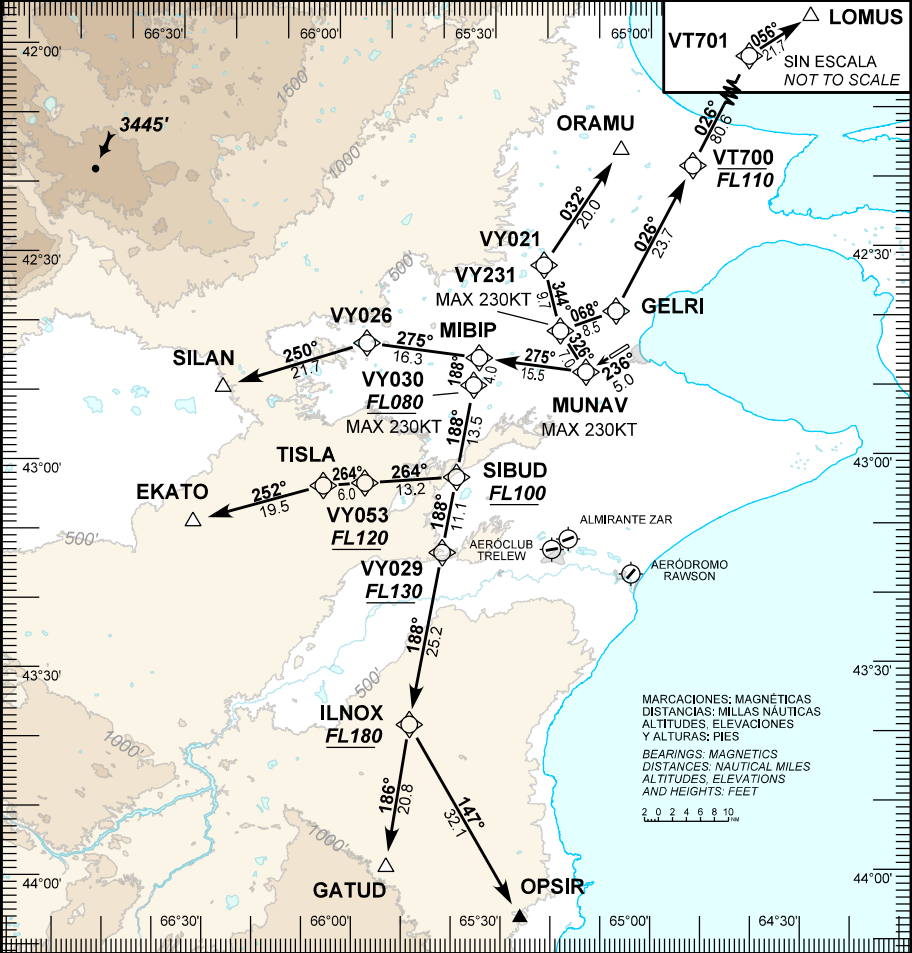


EL TEHUELCHÉ (SAVY)
PUERTO MADRYN

SID RNP RWY 24
EKATO 2G - GATUD 2G - LOMUS 1G - OPSIR 1G - ORAMU 2G - SILAN 2G

Requiere Certificación Certification required						AD ELEV 433'		02° E (2017)  3000' MSA 25NM ARP
RNP 1 / RNAV 1 GNSS						TRANS ALT 3000'		
ATIS	MADRYN TWR	MADRYN APP		TRELEW CTL		COMODORO NORTE	EMERG	
NIL	119.50	118.50	119.50	118.50	118.70	120.65	125.50	
NOTA: NIL.					RMK: NIL.			



PANS OPS Cambios: Nueva SID.	SID EKATO 2G: Pendiente mínima de ascenso 5.1% hasta VY030 (MAX 230KT).
	SID GATUD 2G - OPSIR 1G: Pendiente mínima de ascenso 5.1% hasta VY030 (MAX 230KT), luego 3.3% hasta ILNOX.
	SID LOMUS 1G: Pendiente mínima de ascenso 3.3% hasta VT700.
PANS OPS Cambios: Nueva SID.	SID EKATO 2G: Minimum climb gradient 5.1% until VY030 (MAX 230KT).
	SID GATUD 2G - OPSIR 1G: Minimum climb gradient 5.1% until VY030 (MAX 230KT), after 3.3% until ILNOX.
	SID LOMUS 1G: Minimum climb gradient 3.3% until VT700.

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EL TEHUELCHÉ (SAVY) SID RNP RWY 24 EKAT2G – GATU2G – LOMU1G – ORAM2G – OPS1G – SILA2G	
FIX IDENT	COORDINATES
MUNAV	42°48'33.47" S 065°12'42.02" W
MIBIP	42°46'27.65" S 065°33'36.43" W
VY029	43°14'31.19" S 065°41'08.25" W
ILNOX	43°39'16.98" S 065°47'52.93" W
GATUD	43°59'47.00" S 065°52'48.00" W
VY030	42°50'24.74" S 065°34'39.64" W
SIBUD	43°03'39.02" S 065°38'12.39" W
VY053	43°04'22.72" S 065°56'14.60" W
TISLA	43°04'41.59" S 066°04'25.12" W
EKATO	43°09'34.00" S 066°30'11.00" W
VY026	42°44'11.35" S 065°55'32.89" W
SILAN	42°50'15.00" S 066°23'50.00" W
VY231	42°42'36.74" S 065°17'43.17" W
VY021	42°33'08.48" S 065°20'52.25" W
ORAMU	42°16'30.00" S 065°05'53.00" W
GELRI	42°39'45.62" S 065°06'51.17" W
VT700	42°18'46.11" S 064°51'57.02" W
VT701	41°06'47.42" S 064°03'21.80" W
LOMUS	40°54'42.00" S 063°39'35.00" W
OPSIR	44°07'12.00" S 065°26'04.00" W

DISEÑO EANA S.E.

11 OCTUBRE 2018

1/3 EL TEHUELCHÉ (SAVY) SID RNP RWY 24 EKAT2G – GATU2G – LOMU1G – ORAM2G – OPS1G – SILA2G												
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	MUNAV	CF	N	5.0	236 (238.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	MIBIP	TF	N	15.5	275 (277.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY030	TF	N	4.0	188 (191.1)	N/A	FL 080	+	-230	RNAV 1 or RNP 1	1.0	2 E
040	SIBUD	TF	N	13.5	188 (191.2)	N/A	FL 100	+	N/A	RNAV 1 or RNP 1	1.0	2 E
050	VY029	TF	N	11.1	188 (191.2)	N/A	FL 130	+	N/A	RNAV 1 or RNP 1	1.0	2 E
060	ILNOX	TF	N	25.2	188 (191.3)	N/A	FL 180	+	N/A	RNAV 1 or RNP 1	1.0	2 E
070	GATUD	TF	N	20.8	186 (189.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
010	MUNAV	CF	N	5.0	236 (238.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	MIBIP	TF	N	15.5	275 (277.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY030	TF	N	4.0	188 (191.1)	N/A	FL 080	+	-230	RNAV 1 or RNP 1	1.0	2 E
040	SIBUD	TF	N	13.5	188 (191.2)	N/A	FL 100	+	N/A	RNAV 1 or RNP 1	1.0	2 E
050	VY053	TF	N	13.2	264 (267.0)	N/A	FL 120	+	N/A	RNAV 1 or RNP 1	1.0	2 E
060	TISLA	TF	N	6.0	264 (267.0)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
070	EKATO	TF	N	19.5	252 (255.7)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E

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2/3 EL TEHUELCHE (SAVY) SID RNP RWY 24 EKAT2G – GATU2G – LOMU1G – ORAM2G – OPS1G – SILA2G												
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	MUNAV	CF	N	5.0	236 (238.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	MIBIP	TF	N	15.5	275 (277.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
030	VY026	TF	N	16.3	275 (278.1)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
040	SILAN	TF	N	21.7	250 (253.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
010	MUNAV	CF	N	5.0	236 (238.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY231	TF	N	7.0	326 (328.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY021	TF	N	9.7	344 (346.2)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
040	ORAMU	TF	N	20.0	032 (033.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
010	MUNAV	CF	N	5.0	236 (238.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY231	TF	N	7.0	326 (328.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	GELRI	TF	N	8.5	068 (070.4)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
040	VT700	TF	N	23.7	026 (027.6)	N/A	FL 110	-	N/A	RNAV 1 or RNP 1	1.0	2 E
050	VT701	TF	N	80.6	026 (026.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
060	LOMUS	TF	N	21.7	056 (056.0)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E

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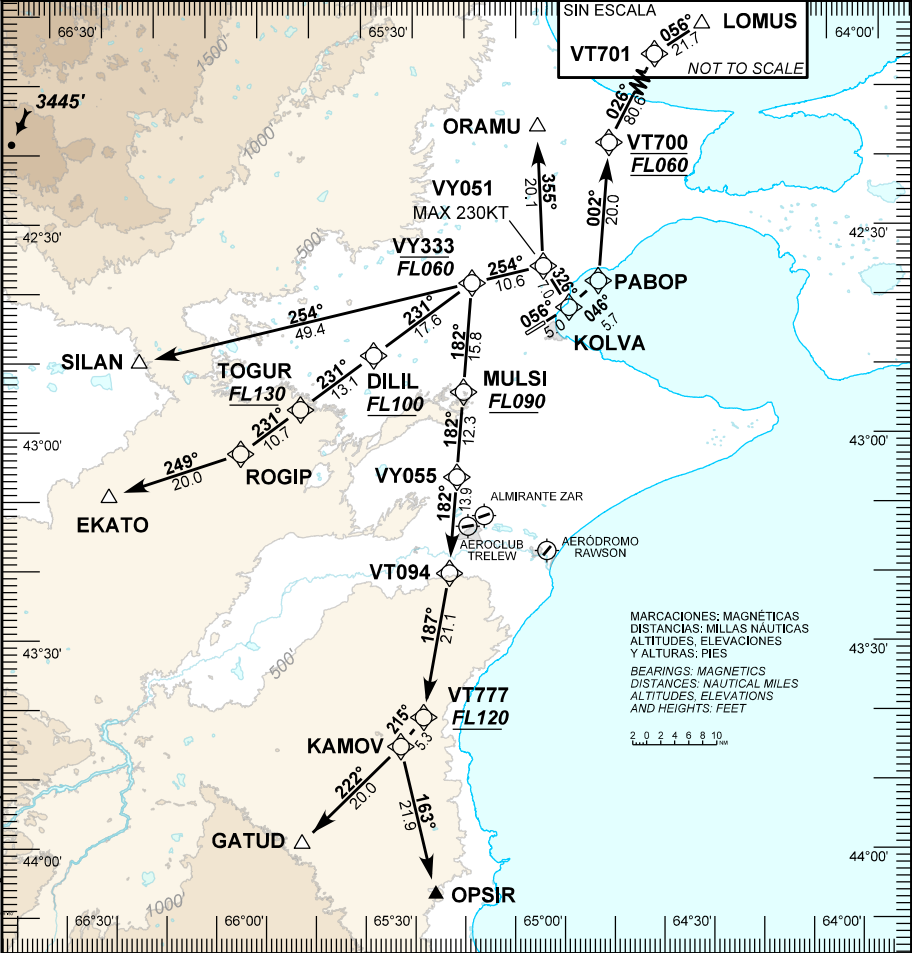
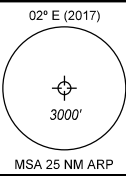
11 OCTUBRE 2018

3/3 EL TEHUELCHÉ (SAVY) SID RNP RWY 24 EKAT2G – GATU2G – LOMU1G – ORAM2G – OPS1G – SILA2G												
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	MUNAV	CF	N	5.0	236 (238.1)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	MIBIP	TF	N	15.5	275 (277.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY030	TF	N	4.0	188 (191.1)	N/A	FL 080	+	-230	RNAV 1 or RNP 1	1.0	2 E
040	SIBUD	TF	N	13.5	188 (191.2)	N/A	FL 100	+	N/A	RNAV 1 or RNP 1	1.0	2 E
050	VY029	TF	N	11.1	188 (191.2)	N/A	FL 130	+	N/A	RNAV 1 or RNP 1	1.0	2 E
060	ILNOX	TF	N	25.2	188 (191.3)	N/A	FL 180	+	N/A	RNAV 1 or RNP 1	1.0	2 E
070	OPSIR	TF	N	32.1	147 (150.4)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E

EL TEHUELCHÉ (SAVY)
PUERTO MADRYN

SID RNP RWY 06
EKATO 2M - GATUD 2M - LOMUS 1M - OPSIR 1M - ORAMU 2M - SILAN 2M

Requiere Certificación Certification required					AD ELEV	433'
RNP 1 / RNAV 1 GNSS					TRANS ALT	3000'
MADRYN TWR	MADRYN APP	TRELEW CTL	COMODORO NORTE		EMERG	
119.50 118.50	119.50 118.50	118.70 120.65	125.50		121.50	
NOTA: NIL.			RMK: NIL.			



SID EKATO 2M: Pendiente mínima de ascenso 4.0% hasta TOGUR.

SID GATUD 2M, OPSIR 1M: Pendiente mínima de ascenso 4.0% hasta VY333, luego 3.3% hasta VT777.

SID EKATO 2M: Minimum climb gradient 4.0% until TOGUR.

SID GATUD 2M, OPSIR 1M: Minimum climb gradient 4.0% until VY333, after 3.3% until VT777.

EL TEHUELCHE (SAVY) SID RNP RWY 06 EKAT2M – GATU2M – LOMU1M – ORAM2M – SILA2M – OPSI1M	
FIX IDENT	COORDINATES
KOLVA	42°42'32.61" S 064°59'37.93" W
VY051	42°36'36.45" S 065°04'39.85" W
VY333	42°39'04.78" S 65°18'35.04" W
SILAN	42°50'15.00" S 066°23'50.00" W
PABOP	42°38'42.57" S 064°53'56.14" W
VT777	43°41'42.09" S 065°28'20.23" W
VT700	42°18'46.11" S 064°51'57.02" W
VT701	41°06'47.42" S 064°03'21.80" W
LOMUS	40°54'42.00" S 063°39'35.00" W
ORAMU	42°16'30.00" S 065°05'53.00" W
MULSI	42°54'47.76" S 065°20'16.80" W
VY055	43°07'03.78" S 065°21'36.84" W
VT094	43°20'54.98" S 065°23'07.87" W
KAMOV	43°45'53.92" S 065°32'53.71" W
GATUD	43°59'47.00" S 065°52'48.00" W
DILIL	42°49'31.00" S 065°37'52.56" W
TOGUR	42°57'15.25" S 065°52'18.83" W
ROGIP	43°03'32.87" S 066°04'08.71" W
EKATO	43°09'34.00" S 066°30'11.00" W
OPSIR	44°07'12.00" S 065°26'04.00" W

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1/3 EL TEHUELCHÉ (SAVY) SID RNP RWY 06 EKAT2M – GATU2M – LOMU1M – ORAM2M – SILA2M – OPSI1M												
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	KOLVA	CF	N	5.0	056 (057.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY051	TF	N	7.0	326 (328.0)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY333	TF	N	10.6	254 (256.6)	N/A	FL 060	-	N/A	RNAV 1 or RNP 1	1.0	2 E
040	DILIL	TF	N	17.6	231 (233.8)	N/A	FL 100	+	N/A	RNAV 1 or RNP 1	1.0	2 E
050	TOGUR	TF	N	13.1	231 (234.0)	N/A	FL 130	+	N/A	RNAV 1 or RNP 1	1.0	2 E
060	ROGIP	TF	N	10.7	231 (234.1)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
070	EKATO	TF	N	20.0	249 (252.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
010	KOLVA	CF	N	5.0	056 (057.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY051	TF	N	7.0	326 (328.0)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY333	TF	N	10.6	254 (256.6)	N/A	FL 060	-	N/A	RNAV 1 or RNP 1	1.0	2 E
040	SILAN	TF	N	49.4	254 (257.3)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
010	KOLVA	CF	N	5.0	056 (057.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY051	TF	N	7.0	326 (328.0)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	ORAMU	TF	N	20.1	355 (357.4)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E

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2/3 EL TEHUELCHÉ (SAVY) SID RNP RWY 06 EKAT2M – GATU2M – LOMU1M – ORAM2M – SILA2M – OPS11M												
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	KOLVA	CF	N	5.0	056 (057.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY051	TF	N	7.0	326 (328.0)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY333	TF	N	10.6	254 (256.6)	N/A	FL 060	-	N/A	RNAV 1 or RNP 1	1.0	2 E
040	MULSI	TF	N	15.8	182 (184.6)	N/A	FL 090	+	N/A	RNAV 1 or RNP 1	1.0	2 E
050	VY055	TF	N	12.3	182 (184.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
060	VT094	TF	N	13.9	182 (184.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
070	VT777	TF	N	21.1	187 (190.4)	N/A	FL 120	+	N/A	RNAV 1 or RNP 1	1.0	2 E
080	KAMOV	TF	N	5.3	215 (218.2)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
090	GATUD	TF	N	20.0	222 (226.2)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
010	KOLVA	CF	N	5.0	056 (057.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
020	PABOP	TF	N	5.7	046 (047.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
030	VT700	TF	N	20.0	002 (004.2)	N/A	FL 060	@	N/A	RNAV 1 or RNP 1	1.0	2 E
040	VT701	TF	N	80.6	026 (026.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
050	LOMUS	TF	N	21.7	056 (056.0)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E

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3/3 EL TEHUELCHÉ (SAVY) SID RNP RWY 06 EKAT2M – GATU2M – LOMU1M – ORAM2M – SILA2M – OPSI1M												
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	KOLVA	CF	N	5.0	056 (057.9)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
020	VY051	TF	N	7.0	326 (328.0)	N/A	N/A	N/A	-230	RNAV 1 or RNP 1	1.0	2 E
030	VY333	TF	N	10.6	254 (256.6)	N/A	FL 060	-	N/A	RNAV 1 or RNP 1	1.0	2 E
040	MULSI	TF	N	15.8	182 (184.5)	N/A	FL 090	+	N/A	RNAV 1 or RNP 1	1.0	2 E
050	VY055	TF	N	12.3	182 (184.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
060	VT094	TF	N	13.9	182 (184.6)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
070	VT777	TF	N	21.1	187 (190.4)	N/A	FL 120	+	N/A	RNAV 1 or RNP 1	1.0	2 E
080	KAMOV	TF	N	5.3	215 (218.2)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E
090	OPSIR	TF	N	21.9	163 (166.9)	N/A	N/A	N/A	N/A	RNAV 1 or RNP 1	1.0	2 E

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