

EN RUTA ENR 4

ENR 4. RADIOAYUDAS Y SISTEMAS DE NAVEGACIÓN ENR 4.1 RADIOAYUDAS PARA LA NAVEGACIÓN – EN RUTA

Nombre de la estación	ID	Frecuencia (CH)	Horas de funcionamiento	Coordenadas	ELEV Antena DME	Observaciones
1	2	3	4	5	6	7
COBIJA						
Cap. Av. Civ. Aníbal Arab						
Fadul						
DVOR/DME	CIJ	112,3 KHZ	H24	11 03 19S/068 47 09W		
СОСНАВАМВА						
Jorge Wilstermann						
VOR/DME	CBA	112,1 MHZ	H24	17 25 17S/066 10 44W	2 548 M	
		CH 58X				
LA PAZ						
El Alto						
DVOR/DME	PAZ	115,7MHZ	H24	16 30 43S/068 14 01W		
		CH 104X		16 20 506 (060 10 10)	4 060 M	U.S. CAT 4 DV4V/40
LLZ/ILS	ILPA	110,3 MHZ	H24	16 30 50S/068 10 10W		ILS CAT 1 RWY 10
GP/DME		335,0 MHZ	H24	16 30 42S/068 12 28W		GP Angulo 2.4°
D 4 D 4		CH 40X 75 MHZ	H24	16 20 456 /069 12 15 / /		
MM		75 IVITZ	H24	16 30 45S/068 13 15W		
ORURO						
Juan Mendoza						
DVOR/DME	ORU	113,0 MHZ		17 58 48S/067 04 37W	3 708 M	Cobertura 100NM
		CH 77X	H24			
POTOSI						
Cap. Nicolás Rojas						
DVOR/DME	PTS	114.9 MHZ	H24	19 31 26S/065 41 32W		
		CH 96X			3 947 M	Cobertura 50 NM
						*SAT y SUN O/R
UYUNI						
La Joya Andina						
VOR/DME	UNI	116,0 MHZ	H24	20 27 12S/066 50 10W		Cobertura 100NM
		CH 107X			3 718 M	
SUCRE						
Alcantarí				10.15.046/657.00.05		
VOR/DME	ALC	113.4 MHZ	H24	19 16 04S/065 08 35W	2442	Cobertura 100NM
		CH 81X		_	3 119 M	
ILS/LOC	ILCA	109.9 MHZ	H24	19 13 10S/065 09 11W		
GP/DME		333.8 MHZ	H24	19 15 07S/065 08 51W		GP Angulo 3.3°
		CH 36X				

Nombre de la estación	ID	Frecuencia (CH)	Horas de funcionamiento	Coordenadas	ELEV Antena DME	Observaciones
1	2	3	4	5	6	7
SANTA CRUZ						
Viru Viru						
VOR/DME	VIR	113,8 MHZ	H24	17 37 34S/063 08 52W		Cobertura 200NM
		CH 85X			368.19 M	
ILS/LOC	ILVV	110,9 MHZ	H24	17 37 45S/063 08 45W		ILS CAT 1 RWY 34
GP/DME		330,8 MHZ	H24	17 39 17S/063 07 37W		GP Angulo 3°
		CH 46X				
TARIJA						
Cap. Av. Oriel Lea						
Plaza						
VOR/DME	TAR	117,0 MHZ	H24	21 32 47S/064 42 46W		
		CH 117X			1 860 M	
TRINIDAD						
Tte. Av. Jorge Henrich						
VOR/DME	TRI	115,9 MHZ	H24	14 47 57S/064 56 17W		
		CH 106X			160 M	

ENR 4.4 DESIGNADORES O NOMBRES EN CLAVE PARA PUNTOS SIGNIFICATIVOS

Designador	Coordenadas	Ruta ATS u otra ruta
1	2	3
AKRIM		T521-UT521
141430S-0653444W		
AKRUD		T521-T532-T711-UT521-UT711
_	42S-0685059W	1321 1332 1711 01321 01711
AKSIS		UL309-UM415-UT711
	36S-0681240W	
AKTUN		UW6-UM548
1920)44S-0661507W	
AKVAG		UL540-UM776-UP408
	521S-0664141W	
ALBEG		UL309-UM784
1249	16S-0680242W	
ALCANTARI		W14-W18-W22-UW14-UW18
1916	04S-0650835W	UM657-UW22
ALGIP		UL216-UM411
1850	45S-0583822W	
ANBUN		N650
1856	558S-0632134W	
ANPOP		UW29-UM402
185119S-0581808W		
ANSOD		T510-T532-UT510
110036S-0660422W		
ARMUK		UL216
132856S-0613330W		
ARPIS		W6-UW6
171632S-0674158W		
ARSUN		UM548-UM664
1728	52S-0691913W	
ARUBO		UW6-UL540-UN525
2002	01S-0654616W	
ASETO		UW316-UL417
2055	54S-0642802W	
ВІТОТ		UM415-UN525
163840S-0662121W		
BOGUB		UW16-UL797-UM776-UP408
2003	48S-0665828W	
ВОКАР		T711-UL309-UM668-UT711
1416	05S-0680708W	
BOLET		UL404-UM548-UM784
2118	27S-0630124W	
BORAM		UW6-UL797
1931	.26S-0660739W	

Designador Coordenadas	Ruta ATS u otra ruta
1 2	3
BURDO	UL797-UN525
192148S-0655232W	0L737-0N323
BUTIN	UL540-UM657
192027S-0650058W	01340-01V1037
BUVKI	UZ76
103435S-0652446W	6276
BUVNO	T521-T532-T711-UT521
110226S-0684701W	
BUXOR	UM548
213906S-0622724W	
COCHABAMBA (CBA)	T527-T712-T714-W11-W12-
172517S-0661045W	W22-UW12-UW22-UW677-
	UM793-UN525-UT712
CITRA	UN525
104123S-0674244W	
CORUMBA (CUB)	A304
190100S-0573948W	
DADED	UZ76
100858S-0665335W	
DAKOG	UW677-UM793
165346S-0672156W	
DAKRO	UM540
194744S-0653042W	
DARLA	UM548-UN525
193547S-0655021W	
DDDDD	UL540
164603S-0620445W	
DEVUR	A568-UM664-UP408
171051S-0685901W	
DIBAS	UM415
171310S-0642836W	
DIBUG	UM784-UN525
151056S-0664120W	
DOBNI	UM415
154307S-0692254W	
DOLGI	A304-T527-T719-UW29-UL417
170428S-0653958W	
DOLPU	UL417-UM548
201848S-0643934W	
DOPGO	UL417-UM657
192244S-0645659W	
EDLOX	UW316-UM657

Designador Coordenadas	Ruta ATS u otra ruta
1 2	3
195340S-0640312W	
EDMOT	UN525-UT521
124815S-0671350W	
EDRUS	UM402-UM411
185637S-0581730W	
EDSOV	A430-T532
105737S-0654720W	
EGUTA	T714-W18
174802S-0664719W	
EKAVI	W12-UW12
153450S-0651448W	
EKIKO	UL797
182204S-0641845W	
ELAKO	A304-UM657
155536S-0691818W	
ELAMU	T711-W27-UL309-UT711
153534S-0681111W	
ENTOM	T543
185832S-0574912W	
EMPEX	UL309
203043S-0683954W	
EROGI	UL540-UM668
151754S-0601502W	
ESDUM	A573-UP408-UP673
170010S-0690617W	
ESELA	UM657
205700S-0621300W	
ESMEL	UW316-UM548
203141S-0641822W	
ESMUR	UL322-UL417
212123S-0642007W	
EVLOL	UM411
190448S-0574821W	
FILHO	A685
101143S-0665838W	
FLOTE	A430-UM775
101720S-0670539W	
GAVOS	A304-T543-UW29-UM411
175808S-0614749W	
GAXAN	T532
112205S-0683919W	
GAXOK	UL322
221312S-0643636W	

Designador Coordenadas	Ruta ATS u otra ruta
1 2	3
GAXUS	A304-T543-UW29
184821S-0582952W	
GEBAS	UW29-UL216
184528S-0584115W	
GEKOR	UL309-UM548-UP408
180229S-0682354W	
GELAS	UL417-UT712-UT716
174011S-0652852W	
GESPA	UN525
220518S-0652700W	
GUAJARA (GJM)	A685
104704S-0651652W	
GRAFO	UL309
103834S-0675601W	
GUVAS	UW29-UM784
170533S-0653500W	
ILNEK	UL417-UT521
130513S-0665420W	
ILPAN	UM784-UT712-UT716
173955S-0651408W	
ILPEM	UL797
205742S-0682306W	
ILRES	UL322
130924S-0622112W	
ILSOP	UL322-UM657
195901S-0635353W	
IMBAM	UW16-UM548-UM776
183521S-0672949W	
171536S-0614823W	
IREDO	A301-UN420
153043S-0642912W	
IRESU	UL322
185425S-0633320W	
IRIVA	UW568
151138S-0654150W	
IROBO	UL309
172539S-0681956W	
ISARA	UL417
103624S-0674036W	
ISMID	W6-W14-UW6-UW14
194458S-0655811W	
ISNIG	T527-T723-T735
Designador Coordenadas	Ruta ATS u otra ruta

1 2	3
165839S-0650840W	
IVSIX	UW22-UL540
192545S-0650645W	
IV SO S	UW14-UN525
193817S-0654958W	
КАВОМ	UL404
185751S-0630610W	
KADOX	UL417-UM668
143247S-0662707W	
KAGIK	T725
161138S-0674318W	
KETIP	A301-UN420
140438S-0652221W	
KIBID	UN525-UT716
174425S-0660745W	
KIBUX	UM776
153928S-0683517W	
KIGAX	UW568
160433S-0672339W	
KILEV	UM784
105854S-0690604W	
KILOL	M653
113050S-0651627W	
KONDU	M653-T532-T725
105320S-0652254W	
KONPI	T730
214427S-0641304W	
КОМРА	UM793
162830S-0690000W	
KOSBO	T712-T716-UT712-UT716
173908S-0643238W	
КОТКІ	W22-UW22
210310S-0644822W	
кочко	M653
110618S-0651856W	
KOXIV	A430-T725
111002S-0652312W	
LA PAZ (PAZ)	A304-A568-A573-T711-T719
163043S-0681401W	T725-W6-W11-W16
	UW18-UW29-UW568-UW677
	UL309 - UM657 - UM664
	UM776-UM793-UP673-UT711
LIVET	UL417-UL540
191807S-0645826W	
Designador Coordenadas	Ruta ATS u otra ruta

1 2	3
LOBON	UL216-UM668
151544S-0603523W	
LODAK	T734-W8-UW316
185237S-0633850W	
LODON	T716-W18-UW18-UM657-
175301S-0664144W	UT716
LOKOX	W12-UW12-UL417-UM415-
164957S-0654429W	UM784
MAKPI	UL797-UM548
192817S-0660242W	
MALVA	UW568-UM784
153517S-0662721W	
MATGO	UL540-UM784
185213S-0643013W	
MIKAL	T510-UT510
135945S-0651043W	
MOMDI	A556-UN420
193741S-0614255W	
MOSGO	UW29-UN525
165617S-0661721W	
MULOG	UL540
183311S-0640928W	
MUNET	T712-T716-UT712-UT716
174021S-0653739W	
NAXEV	A301-T532
110924S-0670747W	LINA/ECO LINESE
NEGAX	UW568-UN525
153913S-0663454W	11NAA1E 11NA776
NESKI 160020S-0682637W	UM415-UM776
NETPA	11/4/677 11/4/704 11/4/702
172838S-0652059W	UW677-UM784-UM793
NETSU	UL322-UM548
203851S-0640634W	52522 51715 15
NIDRO	UW14-UM548
193660S-0654822W	
NIGVA	A430-M653
111233S-0651818W	
NILSO	UL322-UM668
150220S-0624117W	
NIRBO	UW568-UL417
152629S-0661026W	
NUVUD	UW14-UL417
190950S-0650100W	
Designador Coordenadas	Ruta ATS u otra ruta

1 2	3
OBKUL	UM668-UM784
142606S-0670705W	
OBLIR	UM668
140842S-0685118W	
OGRON	UW316-UM784
194326S-0635907W	
OGMET	A301-T725
134959S-0653110W	
OPRIT	T725
134542S-0652605W	
OPTIM	W14-UW14
185622S-0644438W	
ORALO	A573-UM548-UP673
171746S-0693730W	
OROMU	UL793
193154S-0610536W	
ORURO	T714-T716-UT716
175848S-0670437W	
PAKES	A301-UN420
162858S-0635219W	
PALIV	UL322-UM784
195426S-0635226W	
PAMAR	UW18-UM657-UN525
182936S-0660042W	
PAMOG	T725
145128S-0664419W	
PAPEK	UM668-UN525
142848S-0665056W	
PILCO	UM784
222416S-0622505W	
POPRU	W14-UW14
182957S-0641232W	
PORKI	T712-T716-UT712-UT716
174038S-0655245W	
РОТВО	UW14-UM784
184705S-0643321W	
POTOSI (PTS)	W14-UW14
193126S-0654132W	
PUBUM	UL417
221430S-0640336W	
PUDED	UM657-UM784
200245S-0634723W	
PULSA	T734-W8-UW316
Designador Coordenadas	Ruta ATS u otra ruta

1	2	3
1	2104265 0642121W	3
	210436S-0643131W	A204 T740 M42 HN42 HN420
17012FS 06FF209W		A304-T719-W12-UW12-UW29
170135S-0655308W		111.404
PUPON	2200005 05200004/	UL404
	220000S-0630000W	
RAXUN	4425545 0500525	UM776
	142654S-0690525W	
RIO BRA		A301-A430-A685-UL309
-	095234S-0675419W	UL417-UM775-UN420
		UN525-UZ76
REDIR		T725
	155436S-0673046W	
RIXUM		T521-T725
	140333S-0654719W	
ROBOK		UL309-UT521
	120735S-0680034W	
ROKES		UW29-UL793-UM411
:	120735S-0680034W	
SALBI		A304-T723-UW29
:	171942S-0643028W	
SANSO		W11-UW677-UM793
:	173155S-0643225W	
SASNO		UL540-UL793
:	163231S-0614754W	
SAVRA		UL797-UM784
:	183545S-0644013W	
SEDMA		UL322
:	161824S-0625448W	
SIDAK		UL216-UM402-UM415
:	193821S-0581228W	
SIKOL		W16-UW16-UM776
:	172259S-0675529W	
SILIC		UM775
:	111039S-0652202W	
SINIT		W6-UW6
	210737S-0650023W	
SIRAD		A304-T719-W22
	165446S-0662413W	
SORSU		UW22-UM548
7	200701S-0645858W	
SOTKU		UL540
	215200S-0680345W	
SULGA		N650
Designa	dor Coordenadas	Ruta ATS u otra ruta

1	2	3
	200025S-0633143W	-
SUMGO	 o	UW568-UM415
	161402S-0674153W	
SURKO		A556-UN420
	184352S-0622126W	
TARIJA		T730-T734-W6-W8-W22
	213248S-0644246W	UW6-UW22-UW316
TEDOK		UW677-UM793
	171034S-0664358W	
TEPUG		UL793-UM668
	150550S-0620820W	
TERAX		A304-T719-UW29
	164258S-0671809W	
TEREP		W11
	171747S-0664630W	
TINPO		T521
	164258S-0671809W	
TOLIP		UW18-UL797-UM657
	190305S-0652309W	
TOMU	R	UM415
	180901S-0615141W	
TRINID	AD (TRI)	A301-M653-T510-T521-T735-
	144757S-0645617W	W12-UW12-UW568-
		UM668-UN420-UT510-UT521
UBLEX		M653
	135759S-0650124W	
UBKAB		UM402
LIDRAA	161854S-0583631W	LINA/22 LIL 707
UBMAI	185940S-0651747W	UW22-UL797
UBSAS	1639403-003174710	UM776-UP408
OBSAS	214825S-0661414W	0101770-01408
UBSUR		T735
OBSOR	153757S-0650101W	1733
UDIDI	255,5,5 5050101W	UL793
	130236S-0623724W	
UGVAX		N650-T730
	215745S-0633907W	
UKARO		T510-T725
	131038S-0652526W	
UKDOR		UL404-UM657
	202812S-0630306W	
UKEKU		UL216-UL540
	152837S-0602822W	
Design	nador Coordenadas	Ruta ATS u otra ruta

1 2	3
UMGEV	W22-UW22
194543S-0650259W	
UYUNI	W14-W16-UW14-UW16-
202712S-0665010W	UM776-UP408
URIXA	T725-W22
152040S-0670548W	
URODA	W22-UW22
175613S-0655323W	
USVES	W22-UW22
184930S-0652329W	
VAGUR	A568-UM664
173522S-0692630W	
VALUS	UL417-UL797
185226S-0650625W	
VAPAS	W11-W18-UW18-UM657
170815S-0673156W	
VAREB	W11-UW677-UL417-UM793
172751S-0653242W	
VAROM	UL322-UL793
134442S-0622728W	
VILUX	A301-UN420
102832S-0673222W	
VIRU VIRU (VIR)	A301-A304-A556-N650
173734S-0630852W	T543-T712-T716-T723-T734-
	W8-W11-W14-UW14-UW29
	UW316-UW677-UL322-
	UL404-UL540-UL797-UM411
	UM415-UM793-UN420-
	UT712-UT716
VUMOS	T716-W22-UW22-UT716
	174242S-0660058W
VURNA	W18-UW18-UM657
185528S-0653141W	
VURUS	UP408
165003S-0691309W	
XOKUB	W22
154718S-0665402W	
XOLAT	UL793-UM415
182059S-0612219W	

PAGINA DEJADA INTENCIONALMENTE EN BLANCO