

**AD 2.19 Moyens radio de navigation et d'atterrissage**  
Radio navigation and landing aids

**25 FEB 21**

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location
<b>LFBA — AGEN LA GARENNE</b>								
NDB	AG	400 kHz	H24	44°09'02.5"N 000°40'25.4"E	220 ft	25NM		114°/3,4NM DTHR 29
<b>LFMA — AIX LES MILLES</b>								
NDB	ALM	413 kHz	H24	43°30'28.0"N 005°22'00.7"E	343 ft	20NM		132°/526 m THR 14
<b>LFKJ — AJACCIO NAPOLEON BONAPARTE</b>								
NDB	CT	387 kHz	H24	41°47'43.8"N 008°43'26.8"E	332 ft	20NM		202°/7.9 NM THR 02
NDB	IS	341 kHz	H24	41°53'55.7"N 008°36'43.5"E	290 ft	50NM		255°/8.9 NM THR 20
NDB	RB	365 kHz	H24	41°54'54.2"N 008°48'04.1"E	56 ft	15NM		191°/0.9 NM DTHR 20
LOC 02 (I.A.1)	AC	110.3 MHz	H24	41°55'57.7"N 008°48'28.5"E	17 ft			022°/368 m DTHR 20 (1)
GP 02		335 MHz	H24	41°54'49.4"N 008°47'53.1"E	11 ft		15.5 m/51 ft (3 °)	049°/329 m THR 02
DME 02	CH 40X		H24	41°54'49.4"N 008°47'53.1"E	56 ft	25NM FL250		049°/329 m THR 02 (2)
(1) Couverture limitée à 15° à droite de l'axe.GP: coordonnées provisoires								
(2) Coordonnées provisoires								
<b>LFAQ — ALBERT BRAY</b>								
NDB	ABY	321 kHz	H24	49°58'34.5"N 002°48'33.9"E	374 ft	25NM		
<b>LFCI — ALBI LE SEQUESTRE</b>								
NDB	AB	323 kHz	H24	43°54'45.2"N 002°03'52.2"E	583 ft	25NM		273°/1,62NM DTHR 09
<b>LFAY — AMIENS-GLISY</b>								
NDB	GI	339 kHz	H24	49°50'31.7"N 002°29'03.4"E	383 ft	25NM		116°/3,9NM THR 30
<b>LFJR — ANGERS MARCE</b>								
NDB	AS	392 kHz	H24	47°34'38.1"N 000°09'05.2"W	351 ft	50NM		083°/6,2NM DTHR 26
LOC 26 (I.E.1)	AS	108.9 MHz	H24	47°33'30.9"N 000°19'39.6"W	162 ft			263°/228 m THR 08
GP 26		329.3 MHz	H24	47°33'42.3"N 000°18'28.2"W	184 ft	Secteur LOC	15.8 m/52 ft (3 °)	282°/370 m DTHR 26
DME 26	CH 26X		H24	47°33'42.3"N 000°18'28.2"W	194 ft	25NM FL250		282°/370m DTHR 26 (1)
(1) Co-implanté avec GP.								
<b>LFBU — ANGOULEME BRIE CHAMPIERS</b>								
NDB	AGO	404 kHz	H24	45°42'38.6"N 000°25'36.8"E	456 ft	25NM		098°/8,3 NM THR 28
LOC 28 (I.E.2)	AM	109.35 MHz	H24	45°43'50.3"N 000°12'19.1"E	428 ft	25 NM		276°/91 m THR 10
GP 28		331.85 MHz	H24	45°43'47.5"N 000°13'34.8"E	412 ft	10 NM	14.5 m/48 ft (3 °)	296°/336 m THR 28
DME 28	CH 30Y		H24	45°43'47.5"N 000°13'34.7"E	467 ft	25NM FL250		296°/338m THR 28
<b>LFLP — ANNECY MEYHET</b>								
NDB	AT	384 kHz	H24	45°51'41.9"N 006°01'13.2"E	2251 ft	25NM		218°/4,9NM DTHR 04
<b>LFDH — AUCH GERS</b>								
NDB	LMT	420 kHz	H24	43°43'03.0"N 000°36'10.7"E	558 ft	25NM		005°/1,62NM THR 18
<b>FLFW — AURILLAC</b>								
NDB	AR	343 kHz	H24	44°57'20.3"N 002°22'04.5"E	2372 ft	25NM		328°/4,04NM THR 15
<b>LFLA — AUXERRE BRANCHES</b>								
NDB	AX	417 kHz	H24	47°55'12.6"N 003°30'07.7"E	544 ft	25NM		005°/3,7NM THR 18
<b>LFMV — AVIGNON CAUMONT</b>								
DME 17 DME	AN	110.5 MHz	H24	43°54'41.4"N 004°54'08.0"E	168 ft	25NM FL250		
	CH 42X							
LOC 17 (I.E.1)	AN	110.5 MHz	H24	43°53'49.7"N 004°54'16.5"E	125 ft			
GP 17		329.6 MHz	H24	43°54'41.4"N 004°54'08.0"E	110 ft		13 m/43 ft (3 °)	
NDB	CM	369 kHz	H24	43°54'29.8"N 004°54'19.4"E	160 ft	20NM		133°/487m DTHR 17 143°/750m DTHR 17
<b>LFOA — AVORD</b>								
NDB	AV	306.5 kHz	H24	46°52'52.8"N 002°55'43.8"E	685 ft	25NM		
NDB	AVD	288.5 kHz	H24	47°07'14.4"N 002°47'58.6"E	695 ft	50NM FL500		
TACAN	AVD	CH 43X	H24	47°03'29.1"N 002°37'47.5"E	578 ft	150NM FL600		
LOC 24 (I)	AV	110.7 MHz	H24	47°02'44.2"N 002°36'20.7"E	519 ft			240°/527 m THR 06
GP 24		330.2 MHz	H24	47°03'46.9"N 002°38'50.0"E	578 ft		15.8 m/52 ft (3 °)	261°/355m THR 24 (1)
OM 24		75 MHz	H24	47°05'43.0"N 002°44'02.2"E	574 ft			060°/3.87 NM THR 24
MM 24		75 MHz	H24	47°04'06.5"N 002°39'57.6"E	589 ft			063°/1206 m THR 24
(1) Couverture azimut GP limitée à 5° à droite de l'axe finale. Alt publiée = Alt au sommet/IGP azimuth coverage limited to 5° to right of final axis. Published Alt = Alt on top.								

## Radio navigation and landing aids

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Roof ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFBS — BALE-MULHOUSE</b>									
NDB	BN	353 kHz	H24	47°39'42.1"N 007°28'44.7"E	885 ft	20NM FL250		333°/2,92 NM THR 15	(1)
NDB	BS	376 kHz	H24	47°34'47.0"N 007°32'10.5"E	907 ft	15NM		153°/0,41 NM THR 33	
VOR-DME	BLM	117.45 MHz CH 121Y	H24	47°37'58.1"N 007°29'58.2"E	886 ft	100 NM(270°, 360°) 60NM FL500		333°/1 NM THR 15	
LOC 33 (I.E.1)	BLU	109.35 MHz	H24	47°37'13.9"N 007°30'28.4"E	861 ft	25NM		333°/350 m THR 15	
GP 33		331.85 MHz	H24	47°35'47.5"N 007°31'20.6"E	881 ft	18NM	15.3 m/50 ft (3.5 °)	327°/1379 m THR 33	
DME 33		CH 30Y	H24	47°35'47.0"N 007°31'20.0"E	860 ft				
LOC 15 (III.E.4)	MH	111.55 MHz	H24	47°35'02.7"N 007°31'59.8"E	888 ft			153°/230 m THR 33	
GP 15		332.75 MHz	H24	47°36'53.0"N 007°30'36.7"E	860 ft		15.6 m/51 ft (3 °)	174°/330 m THR 15	
DME 15		CH 52Y	H24	47°36'53.0"N 007°30'36.7"E	860 ft	25NM FL250		174°/330 m THR 15	
(1) Situé à SIERENTZ.									
<b>LFKB — BASTIA PORETTA</b>									
NDB	BP	369 kHz	H24	42°25'32.4"N 009°32'14.8"E	78 ft	50NM		163°/7,1NM THR 34	
VOR-DME	BTA	114.15 MHz CH 88Y	H24	42°34'24.9"N 009°28'29.4"E	36 ft	80NM FL500		343°/1175m THR 16	
LOC 34 (I.E.1)	BAS	111.35 MHz	H24	42°34'05.4"N 009°28'38.0"E	11 ft			343°/570 m THR 16	(1)
GP 34		332.15 MHz	H24	42°32'41.6"N 009°29'18.9"E	20 ft		15.5 m/51 ft (3 °)	006°/323 m THR 34	
DME 34		CH 50Y	H24	42°32'41.5"N 009°29'18.9"E	69 ft	25NM FL250			
(1) Couverture limitée à 8° à gauche de l'axe.									
<b>LFGB — BEAUVAIS TILLE</b>									
VOR	BVS	115.9 MHz	H24	49°26'10.9"N 002°09'11.5"E	301 ft	40NM FL250			
NDB	BV	391 kHz	H24	49°29'30.1"N 002°01'46.3"E	412 ft	25NM		307°/3,51NM THR 12	
LOC 30 (I.E.1)	BI	109.95 MHz	H24	49°27'34.3"N 002°06'03.8"E	350 ft			307°/150 m THR 12	
GP 30		333.65 MHz	H24	49°26'47.6"N 002°07'40.6"E	301 ft		16.1 m/53 ft (3 °)	281°/275 m THR 30	
DME 30		CH 36Y	H24	49°26'47.6"N 002°07'40.6"E	351 ft	25NM FL250		281°/275 m THR 30	
LOC 12 (III.E.4)	BVT	111.15 MHz	H24	49°26'41.4"N 002°08'05.6"E	304 ft	25 NM		124°/276 m THR 30	
GP 12		331.55 MHz	H24	49°27'19.3"N 002°06'27.7"E	342 ft		16.5 m/54 ft (3 °)	142°/390 m DTHR 12	
DME 12		CH 48Y	H24	49°27'19.3"N 002°06'27.7"E	365 ft	25NM		142°/390 m THR 12	
<b>LFBE — BERGERAC DORDOGNE PERIGORD</b>									
NDB	BGC	374 kHz	H24	44°49'10.1"N 000°37'09.4"E	449 ft	25NM		094°/3.7 NM THR 27	
LOC 27 (I.E.1)	RM	108.15 MHz	H24	44°49'31.2"N 000°30'12.6"E	166 ft			274°/317 m DTHR 09	
GP 27		334.55 MHz	H24	44°49'22.8"N 000°31'33.1"E	160 ft		14.6 m/48 ft (3 °)	251°/313 m DTHR 27	
DME 27		CH 18Y	H24	44°49'22.8"N 000°31'33.0"E	215 ft	25NM FL250		251°/313m DTHR 27	
<b>LFQM — BESANCON LA VEZE</b>									
NDB	BSV	370 kHz	H24	47°16'00.8"N 006°12'09.4"E	1408 ft	25NM		051°/5,7NM DTHR 23	
<b>LFMU — BEZIERS VIAS</b>									
DME	ZR	109.35 MHz CH 30Y	H24	43°19'20.9"N 003°20'46.3"E	88 ft	25NM FL250		119°/354 m THR 09	
NDB	ZR	397 kHz	H24	43°19'37.5"N 003°16'58.9"E	107 ft	25NM		274°/2,6 NM THR 09	
<b>LFBS — BIARRITZ PAYS BASQUE</b>									
NDB	BZ	341 kHz	H24	43°28'13.9"N 001°24'13.3"W	295 ft	50NM		088°/4,6NM THR 27	
VOR-DME	BTZ	114.15 MHz CH 88Y	H24	43°27'59.9"N 001°30'37.0"W	276 ft	100NM(315°, 45°) 60NM FL500		198°/223m THR 27	
LOC 27 (I.E.1)	BZ	111.35 MHz	H24	43°28'05.6"N 001°32'20.3"W	234 ft			269°/141 m THR 09	
GP 27		332.15 MHz	H24	43°28'03.4"N 001°30'46.6"W	222 ft		15.3 m/50 ft (3 °)	250°/303 m THR 27	
DME 27		CH 50Y	H24	43°28'03.4"N 001°30'46.6"W	223 ft	25NM FL250		250°/303m THR 27	
<b>LFBS — BISCARROSSE PARENTIS</b>									
NDB	BRS	358 kHz	H24	44°21'55.6"N 001°07'43.7"W		25NM		202°/319 m THR 27	
<b>LFQO — BLOIS LE BREUIL</b>									
NDB	BLB	397 kHz	H24	47°40'26.2"N 001°12'08.9"E	439 ft	25NM			

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Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location
<b>LFBD — BORDEAUX MERIGNAC</b>								
NDB	BD	393 kHz	H24	44°56'06.8"N 000°33'44.1"W	60 ft	50NM		046°/8,28NM THR 23 045°/8,28NM THR 23
NDB	BE	318 kHz	H24	44°52'14.1"N 000°23'52.1"W	251 ft	25NM		080°/13,79NM ARP 079°/13,79NM ARP
NDB	NB	361 kHz	H24	45°08'51.0"N 000°32'59.7"W	155 ft	25NM		021°/20,39NM ARP 020°/20,39NM ARP
VOR-DME	BMC	113.75 MHz CH 84Y	H24	44°49'37.0"N 000°43'16.0"W	210 ft	150NM(225°..315°) 100NM FL500		
LOC 23 (III.E.4)	BD	110.3 MHz	H24	44°48'53.8"N 000°44'05.8"W	160 ft			226°/660m THR 05 225°/660m THR 05
GP 23		335 MHz	H24	44°50'16.2"N 44°50'15.8"W 000°42'17.8"W 000°42'18.5"W	152 ft		18.2 m/60 ft ( 3° )	253°/326m THR 23 251°/345m THR 23
DME 23		CH 40X	H24	44°50'16.1"N 44°50'15.7"W 000°42'17.8"W 000°42'18.5"W	207 ft	25NM FL250		253°/326m THR 23 251°/345m THR 23
LOC 29 (I.E.1)	BEI	111.15 MHz	H24	44°49'56.3"N 000°43'58.2"W	160 ft			287°/296m THR 11 286°/296m THR 11
GP 29		331.55 MHz	H24	44°49'30.8"N 000°42'14.0"W	158 ft		16.4 m/54 ft ( 3° )	267°/316m THR 29 266°/316m THR 29
DME 29		CH 48Y	H24	44°49'30.8"N 000°42'14.0"W	214 ft	25NM FL250		267°/316m THR 29 266°/316m THR 29
(1) ALT VOR 161								
<b>LFLD — BOURGES</b>								
NDB	BRG	375 kHz	H24	47°01'04.3"N 002°16'53.6"E	559 ft	25NM FL100		235°/4NM THR 06
<b>LFBR — BREST BRETAGNE</b>								
NDB	BGP	387 kHz	H24	48°26'40.9"N 004°24'59.4"W	364 ft	25NM		087°/0,88NM THR 07R
NDB	GU	338 kHz	H24	48°28'39.7"N 004°17'07.8"W	414 ft	25NM		073°/4,93NM DTHR 25L
LOC 25L (III.E.4)	BG	109.9 MHz	H24	48°26'32.0"N 004°26'36.3"W	291 ft			253°/383 m THR 07R
GP 25L		333.8 MHz	H24	48°27'06.2"N 004°24'24.1"W	311 ft		16.4 m/54 ft ( 3° )	277°/300 m DTHR 25L
DME 25L		CH 36X	H24	48°27'06.2"N 004°24'24.1"W	367 ft	25NM FL250		277°/300m DTHR 25L
<b>LFSL — BRIVE SOULLAC</b>								
NDB	BSC	351 kHz	H24	44°59'42.5"N 001°37'19.4"E	613 ft	25NM		115°/5,9 NM THR 29
LOC 29 (NOCAT)	BVC	109.95 MHz	H24	45°02'42.5"N 001°28'07.5"E	1012 ft	25NM		115°/2405 m THR 29
GP 29		333.65 MHz	H24	45°02'10.6"N 001°29'32.6"E	981 ft	10NM	15.9 m/52 ft ( 3.15° )	273°/323 m THR 29
DME 29		CH 36Y	H24	45°02'10.6"N 001°29'32.6"E	981 ft	25NM		273°/323 m THR 29
<b>LFKR — CAEN CARIQUET</b>								
NDB	CNE	404 kHz	H24	49°06'56.4"N 000°19'16.5"W	282 ft	25NM		305°/5,91NM THR 31
VOR-DME	CAN	114.45 MHz CH 91Y	H24	49°10'23.5"N 000°27'19.0"W	269 ft	80NM FL500		288°/773 m THR 31
LOC 31 (I.E.1)	CN	110.95 MHz	H24	49°10'54.1"N 000°28'04.8"W	234 ft			306°/142 m THR 13
GP 31		330.65 MHz	H24	49°10'24.0"N 000°26'49.6"W	233 ft		18.3 m/60 ft ( 3° )	331°/285 m THR 31
DME 31		CH 46Y	H24	49°10'24.0"N 000°26'49.6"W	271 ft	25NM FL250		331°/285 m THR 31
<b>LFCC — CAHORS LALBENQUE</b>								
NDB	CL	348 kHz	H24	44°23'06.7"N 001°24'55.7"E	1003 ft	25NM		306°/2,87NM THR 13
<b>LFAC — CALAIS MARCK</b>								
NDB	MK	418 kHz	H24	50°59'46.6"N 002°03'16.2"E	56 ft	25NM		061°/3,9NM THR 24
<b>LFKC — CALVI SAINTE CATHERINE</b>								
NDB	CV	375 kHz	H24	42°34'37.1"N 008°48'23.7"E	71 ft	25NM		016°/2,2 NM THR 18
LOC 18 (NOCAT)	CLI	109.5 MHz	H24	42°31'05.6"N 008°47'34.9"E	217 ft			181°/440 m DTHR 36
DME 18		CH 32X	H24	42°31'05.3"N 008°47'34.9"E	235 ft	25NM FL250		176°/442 m DTHR 36
(1) LOC.								
Couverture limitée à 10° à gauche de l'axe dans le sens de l'atterrissage.								
(2) Sec. util. : LOC. O NM DME: point d'impact à 2295m du DME.								
<b>LFMD — CANNES MANDELIEU</b>								
NDB	CSC	385 kHz	H24	43°31'21.4"N 007°02'42.4"E	108 ft	25NM		
LOC 35 (I)	CMD	110.35 MHz	H24	43°33'23.5"N 006°56'57.6"E	14 ft			
DME 35		CH 40Y	H24	43°33'24.3"N 006°57'00.2"E	28 ft	25NM FL250		
(1) Couverture limitée à 10° à gauche de l'axe dans le sens de l'atterrissage.								
LOC : à 17 NM/2000 ft couverture limitée à 25° à gauche de l'axe.								
(2) DME : à 17 NM/2000 ft couverture limitée à 13° à gauche de l'axe.								
DME : à 25 NM/2000 ft couverture limitée à 9° à gauche de l'axe, 8° à droite de l'axe.								
<b>LFMK — CARCASSONNE SALVAZA</b>								
NDB	CS	345 kHz	H24	43°13'21.1"N 002°12'27.5"E	533 ft	25NM		275°/3,77NM THR 10
<b>DIRCAM</b>								
<b>AMDT 03/21</b>								
<b>AD 2.19-3</b>								

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Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location
<b>LFCK — CASTRES MAZAMET</b>								
NDB	CVU	356 kHz	H24	43°37'56.9"N 002°12'33.0"E	923 ft	25NM		322°/5,3NM DTHR 14
LOC 14 (I.E.2)	EN	111.35 MHz	H24	43°32'51.6"N 002°17'55.2"E	792 ft			141°/310 m THR 32
GP 14		332.15 MHz	H24	43°33'38.2"N 002°17'10.5"E	716 ft		17.6 m/58 ft (3.5 °)	113°/0,14 NM DTHR 14
DME 14		CH 50Y	H24	43°33'38.2"N 002°17'10.5"E	755 ft	25NM FL250		113°/0,14 NM DTHR 14
<b>LFBC — CAZAUX</b>								
NDB	CAA	382 kHz	HO	44°33'04.7"N 001°07'11.9"W		50NM		336°/1883m THR 24
TACAN	CAA	CH 45X	H24	44°31'52.2"N 001°08'09.7"W		60NM		242°/1,13NM THR 24
LOC 24 (I)	CAA	110.1 MHz	HO	44°31'32.5"N 001°08'34.6"W				237°/1,55 NM THR 24
GP 24		334.4 MHz		44°32'14.8"N 001°06'54.8"W			15.9 m/52 ft (3 °)	215°/341 m THR 24
MM 24		75 MHz	HO	44°32'41.5"N 001°06'08.6"W				057°/988 m THR 24
<b>LFHL — CHALON CHAMPFORGEUIL</b>								
NDB	CC	391 kHz	H24	46°43'16.4"N 004°50'34.9"E	705 ft	25NM		171°/6,1NM DTHR 35
<b>LFQK — CHALONS VATRY</b>								
NDB	CVT	347 kHz	H24	48°45'33.1"N 004°19'07.7"E	636 ft	25NM		101°/4.4 NM THR 28
NDB	VAT	367 kHz	H24	48°47'52.0"N 004°00'58.0"E	522 ft	25NM		281°/5.75 NM THR 10
VOR-DME	CAV	111.65 MHz CH 53Y	H24	48°46'51.9"N 004°08'49.0"E	561 ft	40NM FL250		281°/860 m THR 10
LOC 10 (III.E.4)	CVD	111.3 MHz	H24	48°46'20.3"N 004°12'50.1"E	588 ft			101°/296 m THR 28
GP 10		332.3 MHz	H24	48°46'39.3"N 004°09'47.9"E	561 ft		16.4 m/54 ft (3 °)	122°/426 m THR 10
DME 10		CH 50X	H24	48°46'39.3"N 004°09'47.9"E	579 ft	25NM FL250		122°/426 m THR 10 (1)
LOC 28 (I.B.1)	CVL	109.55 MHz	H24	48°46'48.4"N 004°09'15.9"E	550 ft			281°/296 m THR 10 (2)
GP 28		332.45 MHz	H24	48°46'20.1"N 004°12'13.8"E	585 ft		15.8 m/52 ft (3 °)	262°/453 m THR 28
DME 28		CH 32Y	H24	48°46'20.1"N 004°12'13.8"E	604 ft	25NM FL250		262°/452 m THR 28 (3)
(1) Secteur d'utilisation LOC.								
(2) ILS 28 HS hors horaires ATS (TWR ou AFIS).								
(3) Secteur d'utilisation LOC.								
<b>LFBL — CHAMBERY AIX LES BAINS</b>								
NDB	CH	346 kHz	H24	45°35'31.9"N 005°53'01.3"E	884 ft	25NM		
VOR-DME	CBY	115.4 MHz CH 101X	H24	45°52'54.8"N 005°45'26.3"E	4783 ft	80NM FL500		
LOC 18 (I.E.1)	CY	109.5 MHz	H24	45°37'39.3"N 005°52'51.9"E	779 ft			178°/195 m THR 36 (1)
GP 18		332.6 MHz	H24	45°38'36.0"N 005°52'40.3"E	768 ft		13.9 m/46 ft (4.46 °)	218°/234 m DTHR 18
DME 18		CH 32X	H24	45°38'36.0"N 005°52'40.3"E	807 ft	25NM FL250		218°/234 m DTHR 18 (2)
(1) Couverture limitée à 10° à droite de l'axe./Coverage limited to 10° to the right to centreline.								
Coordonnées GP non WGS-84./Non WGS-84 GP coordinates.								
(2) Secteur utilisable : LOC et APL/Usable area: LOC and APL.								
Coordonnées non WGS-84./Non WGS-84 coordinates.								
DME ATT omnidirectionnel / Omnidirectional DME LDG.								
<b>LFQK — CHATEAUDUN</b>								
TACAN	CHN	CH 39X	H24	48°03'20.9"N 001°22'31.4"E		80NM(224°-314°) 40NM FL500		(1)
VOR-DME	CAD	115.95 MHz CH 106Y	H24	48°03'33.0"N 001°23'13.5"E		80NM 40NM FL500		
(1) Fonction NAV uniquement 40NM, FL500.								
<b>LFLL — CHATEAUX DEOLS</b>								
NDB	CTX	428 kHz	H24	46°56'11.8"N 001°48'04.1"E	605 ft	50NM		034°/4,35 NM THR 21
LOC 21 (I.E.1)	CX	110.3 MHz	H24	46°50'50.9"N 001°42'57.8"E	522 ft			214°/281 m THR 03
GP 21		335 MHz	H24	46°52'22.5"N 001°44'33.7"E	517 ft		13.9 m/46 ft (3 °)	187°/336 m THR 21
DME 21		CH 40X	H24	46°52'22.5"N 001°44'33.7"E	577 ft	25NM FL250		187°/336 m THR 21
<b>LFRC — CHERBOURG MAUPERTUS</b>								
NDB	MP	373 kHz	H24	49°38'16.8"N 001°22'20.3"W	433 ft	40NM		105°/3,23NM THR 28 101°/3,23 NM THR 28
LOC 28 (I.E.1)	MP	110.55 MHz	H24	49°39'09.5"N 001°29'25.3"W	442 ft			285°/263 m THR 10 281°/263 m THR 10
GP 28		329.45 MHz	H24	49°38'50.8"N 001°27'26.3"W	429 ft		17.3 m/57 ft (3 °)	259°/274 m THR 28 255°/274 m THR 28
DME 28		CH 42Y	H24	49°38'50.8"N 001°27'26.3"W	459 ft	25NM FL250		259°/274 m THR 28 255°/274 m THR 28
<b>LFQK — CHOLET LE PONTREAU</b>								
NDB	LP	357 kHz	H24	47°08'06.8"N 000°50'21.4"W	423 ft	25NM		026°/3,2 NM THR 21
<b>DIRCAM</b> <span style="float: right;"><b>AMDT 03/21</b></span> <span style="float: right;"><b>AD 2.19-4</b></span>								

**AD 2.19 Moyens radio de navigation et d'atterrissage**  
Radio navigation and landing aids

**28 JAN 21**

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location
<b>LFLC — CLERMONT FERRAND AUVERGNE</b>								
NDB	ASM	367 kHz	H24	45°48'17.0"N 003°21'41.8"E	1113 ft	25NM		082°7.4NM DTHR 26
VOR-DME	CFA	114.35 MHz	H24	45°47'14.9"N 003°11'31.9"E	1093 ft	100NM FL500		118°/392m THR 26
		CH 90Y						
LOC 26 (III.E.4)	CF	111.1 MHz	H24	45°47'03.8"N 003°08'46.5"E	1090 ft			262°/375 m THR 08
GP 26		331.7 MHz	H24	45°47'21.8"N 003°10'59.7"E	1057 ft		15.3 m/50 ft (3 °)	289°/334 m DTHR 26
DME 26		CH 48X	H24	45°47'21.8"N 003°10'59.7"E	1079 ft	25NM FL250		289°/334 m DTHR 26 (1)
(1) DME ATT Directionnel / Directional LDG DME								
<b>LFBG — COGNAC CHATEAUBERNARD</b>								
NDB	OC	346 kHz	H24	45°44'26.2"N 000°09'39.9"W	179 ft			051°7.6NM DTHR 23
TACAN	CGC	CH 109X	H24	45°39'41.3"N 000°18'28.3"W	94 ft			273°/396m DTHR23
VOR-DME	CNA	114.65 MHz	H24	45°39'34.4"N 000°18'41.9"W	78 ft			255°/714m DTHR 23
		CH 93Y						
LOC 23 (I)	CGC	109.9 MHz	H24	45°38'48.1"N 000°19'38.1"W	84 ft			230°/2500m DTHR 23
GP 23		333.8 MHz		45°39'31.2"N 000°18'14.9"W	104 ft		15.5 m/51 ft (3 °)	200°/306 m DTHR 23
OM 23		75 MHz	H24	45°42'20.4"N 000°13'45.9"W	98 ft			049°/4.08NM DTHR 23
MM 23		75 MHz	H24	45°40'03.5"N 000°17'31.4"W	81 ft			050°/1095m DTHR 23
<b>LFGA — COLMAR HOUSSEN</b>								
NDB	HO	380 kHz	H24	48°08'01.5"N 007°21'58.0"E	655 ft	25NM		010°/1NM THR 19
<b>LFRG — DEAUVILLE NORMANDIE</b>								
VOR	DVL	110.2 MHz	H24	49°18'38.7"N 000°18'45.8"E	497 ft	60NM FL500		117°/6.6NM DTHR 30
LOC 30 (I.E.1)	DV	111.55 MHz	H24	49°22'18.3"N 000°08'06.2"E	478 ft			297°/298 m THR 12 (1)
GP 30		332.75 MHz	H24	49°21'50.1"N 000°09'43.5"E	462 ft		17.7 m/58 ft (3 °)	320°/309 m DTHR 30
DME 30		CH 52Y	H24	49°21'50.1"N 000°09'43.5"E	466 ft	25NM FL250		320°/309 m DTHR 30
(1) Secteur utilisable de 120 degrés.								
<b>LFAB — DIEPPE SAINT AUBIN</b>								
NDB	DSA	351 kHz	H24	49°52'55.0"N 001°04'55.0"E		25NM		254°/258m THR 31 (1)
(1) Non WGS84								
<b>LFSD — DIJON LONGVIC</b>								
VOR-DME	DJL	111.45 MHz	H24	47°16'14.8"N 005°05'50.4"E			80NM(015°.75°), 100NM(105°.165°) 60NM FL500	
		CH 51Y						
<b>LFRD — DINARD PLEURTUIT SAINT MALO</b>								
NDB	DR	390 kHz	H24	48°28'55.2"N 002°03'10.4"W	263 ft	25NM		173°/5.9NM THR 35
VOR-DME	DIN	114.3 MHz	H24	48°35'09.8"N 002°04'56.4"W	213 ft	80NM FL500		340°/899m THR 35 (1)
		CH 90X						
(1) Radial 338 hors tolérances								
<b>LFQJ — DOLE TAVAUX</b>								
NDB	DO	309 kHz	H24	46°58'46.6"N 005°18'18.6"E	652 ft	25NM		235°/5.55NM THR 05
LOC 05 (I.E.1)	DO	109.35 MHz	H24	47°02'48.7"N 005°26'36.5"E	646 ft			054°/400 m THR 23
GP 05		331.85 MHz	H24	47°02'01.7"N 005°25'10.2"E	634 ft		15.4 m/51 ft (3 °)	078°/326 m THR 05
DME 05		CH 30Y	H24	47°02'01.7"N 005°25'10.2"E	673 ft	25NM FL250		078°/326 m THR 05
<b>LFSG — EPINAL MIRECOURT</b>								
VOR	EPL	113 MHz	H24	48°19'04.2"N 006°03'33.9"E	1154 ft	60NM FL500		
NDB	EMT	419 kHz	H24	48°19'56.8"N 006°11'37.1"E	955 ft	25NM		088°/4.43NM THR 26
LOC 26 (I.E.1)	MI	110.9 MHz	H24	48°19'26.3"N 006°02'54.7"E	1082 ft			268°/255 m THR 08 (1)
GP 26		330.8 MHz		48°19'36.9"N 006°04'52.3"E	1030 ft		15.5 m/51 ft (3 °)	292°/308 m DTHR 26
OM 26		75 MHz	H24	48°19'56.3"N 006°11'37.7"E	908 ft			088°/4.43 NM DTHR 26
MM 26		75 MHz	H24	48°19'36.8"N 006°05'57.7"E	965 ft			088°/0.58 NM DTHR 26
(1) Axe irrégulier en dessous de 200Ft AAL.								
Couverture azimut GP limitée à 6° à droite de l'axe 264°.								
<b>LFQE — ETAIN ROUVRES</b>								
NDB	ETN	410 kHz	H24	49°13'42.9"N 005°40'28.1"E				172°/322m THR 19
LOC 01 (I)	MCY	110.5 MHz	H24	49°14'23.6"N 005°40'37.2"E	780 ft			013°/965 m THR 19
GP 01		329.6 MHz		49°13'08.0"N 005°40'15.4"E			17.1 m/56 ft (3 °)	034°/333 m THR 01
DME 01		CH 42X		49°13'08.0"N 005°40'15.4"E				034°/333 m THR 01

## AD 2.19 Moyens radio de navigation et d'atterrissage

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## Radio navigation and landing aids

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Roof ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFOE — EVREUX FAUVILLE</b>									
VOR	EVX	112.4 MHz	H24	49°01'54.1"N 001°13'15.1"E	499 ft				
TACAN	EVX	CH 71X	H24	49°01'42.7"N 001°12'50.6"E					
LOC 22 (II)	EVX	111.3 MHz	HO	49°00'58.6"N 001°12'14.8"E			220°/301 m THR 04		
GP 22		332.3 MHz		49°02'11.3"N 001°13'56.8"E			14.9 m/49 ft (3 °)	188°/288m THR 22	
OM 22		75 MHz	HO	49°05'24.0"N 001°17'51.0"E				040°/3.91 NM THR 22	
MM 22		75 MHz	HO	49°02'48.5"N 001°14'37.6"E				042°/0.63 NM THR22	
<b>LFKJ — FIGARI SUD CORSE</b>									
NDB	FA	325 kHz	H24	41°36'05.1"N 009°15'12.4"E	269 ft	25NM		047°/8.6NM THR 23	
VOR-DME	FGI	116.7 MHz CH 114X	H24	41°30'07.9"N 009°05'00.3"E	144 ft	40NM FL500		343°/857m THR 05	
LOC 23 (I)	GR	110.5 MHz	H24	41°29'42.1"N 009°05'05.5"E	34 ft			267°/102 m THR 05	
GP 23		329.6 MHz	H24	41°30'32.2"N 009°06'16.4"E	75 ft		14.9 m/49 ft (3.5 °)	249°/301 m THR 23	
DME 23		CH 42X	H24	41°30'32.2"N 009°06'16.4"E	131 ft	25NM FL250		249°/301 m THR 23	
<b>FLFS — GRENOBLE ALPES ISERE</b>									
NDB	EG	397 kHz	H24	45°21'48.9"N 005°23'50.9"E	1445 ft	25NM		092°/2,11NM THR 27	
NDB	WS	291 kHz	H24	45°21'44.5"N 005°09'10.7"E	1185 ft	25NM		272°/6,56NM THR 09	
LOC 09 (I.E.1)	SG	109.3 MHz	H24	45°21'46.4"N 005°21'07.3"E	1308 ft			092°/250 m THR 27	
GP 09		332 MHz	H24	45°21'50.8"N 005°18'47.2"E	1231 ft		15.8 m/52 ft (3 °)	066°/278 m THR 09	
DME 09		CH 30X	H24	45°21'50.8"N 005°18'47.2"E	1248 ft	25NM FL250		066°/278 m THR 09	(1)
(1) DME ATT omnidirectionnel									
<b>LFTH — HYERES LE PALYVESTRE</b>									
NDB	TLN	322 kHz	H24	43°01'57.8"N 006°09'10.1"E	164 ft	70NM			
TACAN	HYE	CH 27X	H24	43°06'01.1"N 006°08'51.5"E	7 ft	100NM FL500		021°/353 m ARP	
LOC 05 (I.E.2)	HY	108.1 MHz	H24	43°06'24.0"N 006°09'42.8"E	5 ft			050°/44 m THR 23	
GP 05		334.7 MHz	H24	43°05'46.2"N 006°08'46.9"E	4 ft		13.9 m/46 ft (3.5 °)	078°/260 m DTHR 05	
DME 05		CH 18X	H24	43°05'46.2"N 006°08'46.9"E		25NM FL250		078°/260 m DTHR 05	(1)
(1) Co-implanté avec GP / Co-located with GP									
<b>LFMI — ISTRES LE TUBE</b>									
NDB	ITR	390.5 kHz	H24	43°31'34.7"N 004°55'49.1"E	77 ft			047°/655 m ARP	
TACAN	ITR	CH 104X	H24	43°31'33.9"N 004°55'36.9"E	77 ft	FL600		027°/463 m ARP	
VOR-DME	ITS	112.7 MHz CH 74X	H24	43°30'00.7"N 004°58'24.0"E	52 ft			152°/1.5 NM ARP	
LOC 15 (NOCAT)	IST	111.3 MHz	H24	43°30'16.0"N 004°56'13.2"E	60 ft			331° / 419m THR 33	
GP 15		332.3 MHz	H24	43°32'08.2"N 004°54'59.4"E	75 ft		17.1 m/56 ft (3 °)	132° / 353m THR 15	
DME 15		CH 50X	H24	43°32'08.2"N 004°54'59.4"E					
<b>LFZJ — LA MOLE</b>									
VOR-DME	STP	116.5 MHz CH 112X	H24	43°13'10.1"N 006°36'06.5"E	1089 ft	200NM(90°.270°) 60NM FL500			
<b>LFRI — LA ROCHE SUR YON LES AJONCS</b>									
NDB	YN	334 kHz	H24	46°41'20.8"N 001°17'10.7"W	360 ft	25NM		103°/3,8NM DTHR 28	
<b>LFBH — LA ROCHELLE ILE DE RE</b>									
NDB	RL	322 kHz	H24	46°10'34.9"N 001°05'56.5"W	130 ft	25NM		093°/3,7NM DTHR 27 092°/3,7 NM DTHR 27	
LOC 27 (I.E.1)	RL	109.55 MHz	H24	46°10'47.0"N 001°12'46.0"W	59 ft			273°/450 m DTHR 09 272°/450 m DTHR 09	
GP 27		332.45 MHz	H24	46°10'40.7"N 001°11'27.8"W	67 ft		13.8 m/45 ft (3.2 °)	246°/271 m DTHR 27 245°/271 m DTHR 27	
DME 27		CH 32Y	H24	46°10'40.7"N 001°11'27.8"W	66 ft	25NM FL250		246°/271 m DTHR 27 245°/271 m DTHR 27	
<b>LFRJ — LANDIVISIAU</b>									
TACAN	LDV	CH 98Y	H24	48°31'41.8"N 004°09'22.7"W					
LOC 25 (I)	LD	108.5 MHz	HO	48°31'33.7"N 004°10'22.3"W					
GP 25		329.9 MHz	HO	48°32'01.4"N 004°08'23.2"W			18.6 m/61 ft (2.7 °)		
DME 25		CH 22X	HO	48°32'01.4"N 004°08'23.2"W					
<b>LFRO — LANNION</b>									
NDB	LN	345 kHz	H24	48°43'09.4"N 003°18'28.0"W	297 ft	50NM		109°/6,51NM DTHR 29	
<b>LFOV — LAVAL ENTRAMMES</b>									
NDB	LA	401 kHz	HO	47°58'33.4"N 000°40'44.8"W	270 ft	25NM		143°/3,88 NM DTHR 32	
<b>LFRL — LANVEOC POULMIC</b>									
NDB	BST	428 kHz	H24	48°17'01.0"N 004°25'56.0"W					
TACAN	BST	CH 94X	H24	48°17'04.3"N 004°27'07.6"W					

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Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location
<b>LEFOH — LE HAVRE OCTEVILLE</b>								
NDB	LHO	346 kHz	H24	49°35'51.1"N 000°10'51.8"E	344 ft	25NM		044°/4,6NM THR 22
<b>LFMC — LE LUC LE CANNET</b>								
NDB	LU	378 kHz	H24	43°23'12.7"N 006°31'30.6"E				088°/5,98 NM THR 27
VOR-DME	LUC	113 MHz CH 77X	H24	43°22'58.0"N 006°15'21.3"E				268°/5,37 NM THR 09
LOC 09 (NOCAT)	LC	109.3 MHz	HO	43°23'05.1"N 006°23'24.9"E				087°/843 m THR 09 (1)
GP 09		332 MHz		43°23'07.7"N 006°22'52.6"E			15.5 m/51 ft ( 4° )	063°/241 m THR 09
DME 09		CH 30X		43°23'07.7"N 006°22'52.6"E				063°/241m THR 09
(1) Utilisation OPS restreinte : limitée aux seuls aéronefs et pilotes autorisés par le COMALAT./ restricted OPS use : limited to aircrafts only and pilots authorized by COMALAT.								
<b>LFMRM — LE MANS ARNAGE</b>								
NDB	LM	326 kHz	H24	47°53'36.9"N 000°10'17.0"E	187 ft	50NM		202°/3,1NM THR 02 (1)
(1) Non sécurisé.								
<b>LFHP — LE PUY LOUDES</b>								
NDB	PY	372 kHz	H24	45°01'05.4"N 003°48'53.8"E	2936 ft	25NM		149°/4NM THR 33
<b>LFAT — LE TOUQUET COTE D'OPALE</b>								
NDB	LT	358 kHz	H24	50°32'18.0"N 001°35'22.0"E	80 ft	20NM		315°/1,23NM THR 13
LOC 13 (I.E.1)	LT	110.15 MHz	H24	50°30'41.8"N 001°37'58.5"E	15 ft			134°/297 m DTHR 31 133°/297 m DTHR 31
GP 13		334.25 MHz		50°31'17.5"N 001°36'51.9"E	14 ft		14.9 m/49 ft ( 3° )	153°/307 m THR 13
DME 13		CH 38Y		50°31'17.5"N 001°36'51.9"E	75 69 ft	25NM FL250		153°/307 m THR 13
<b>LFQQ — LILLE LESQUIN</b>								
NDB	LL	332 kHz	H24	50°34'52.9"N 003°12'48.1"E	198 ft	25NM		077°/3,73NM DTHR 26 (1)
VOR-DME	LEQ	109 MHz CH 27X	H24	50°33'42.4"N 003°05'21.0"E	163 ft	40NM FL250		
LOC 26 (III.E.4)	LIL	110.75 MHz	H24	50°33'42.9"N 003°04'34.2"E	157 ft			257°/496 m THR 08
GP 26		330.05 MHz	H24	50°33'58.1"N 003°06'51.5"E	131 ft		15.8 m/52 ft ( 3° )	235°/332 m DTHR 26
DME 26		CH 44Y	H24	50°33'58.1"N 003°06'51.4"E	151 ft	25NM FL250		235°/331 m DTHR 26
(1) Situé à Cysing/Located at Cysaing								
<b>LFBL — LIMOGES BELLEGARDE</b>								
NDB	LOE	424 kHz	H24	46°01'48.9"N 001°20'21.9"E		25NM		035°/11,4NM DTHR 21
NDB	LSU	320 kHz	H24	45°46'58.2"N 001°06'19.2"E	937 ft	25NM		219°/5,07NM DTHR 03
LOC 21 (III.E.4)	LG	110.1 MHz	H24	45°51'03.5"N 001°10'16.1"E	1271 ft			218°/265 m DTHR 03
GP 21		334.4 MHz	H24	45°52'09.9"N 001°11'11.7"E	1291 ft		15.4 m/51 ft ( 3° )	245°/300 m DTHR 21
DME 21		CH 38X	H24	45°52'09.9"N 001°11'11.7"E	1340 ft	25NM		239°/296 m DTHR 21
<b>LFRR — LORIENT LANN BIHOUE</b>								
NDB	LOR	359 kHz	H24	47°45'47.5"N 003°26'26.5"W	188 ft	50NM FL500		350°/302 m ARP
TACAN	LOR	CH 105X	H24	47°45'41.3"N 003°26'28.2"W	171 ft	250NM(195°.255°), 60NM 100NM FL250		320°/138 m ARP
LOC 25 (II)	BH	108.15 MHz	H24	47°45'21.1"N 003°27'39.6"W	140 ft	25		253°/145 m THR 07
GP 25		334.55 MHz	H24	47°45'46.2"N 003°26'07.0"W	148 ft	10	17.4 m/57 ft ( 3° )	269°/491 m THR 25
DME 25		CH 18Y	H24	47°45'46.2"N 003°26'07.0"W	196 ft	25NM FL250		269°/491 m THR 25
<b>LFSSX — LUXEUIL SAINT SAUVEUR</b>								
VOR	LUL	117.1 MHz	H24	47°41'17.8"N 006°17'44.1"E		80NM		
TACAN	LXI	CH 19X	H24	47°48'59.4"N 006°21'25.6"E	932 ft	60NM FL250		
LOC 11 (I)	LXI	108.1 MHz	H24	47°48'52.9"N 006°22'12.6"E	894 ft			112°/469 m THR 29
GP 11		334.7 MHz		47°47'22.8"N 006°20'13.4"E	913 ft		15.9 m/52 ft ( 3° )	138°/285 m THR 11
OM 11		75 MHz	H24	47°49'03.0"N 006°14'32.6"E	782 ft			292°/4,04 NM THR 11
MM 11		75 MHz	H24	47°47'43.0"N 006°19'17.7"E	846 ft			292°/1054 m THR 11
<b>LFLLY — LYON BRON</b>								
NDB	BR	388 kHz	H24	45°36'57.6"N 004°59'33.7"E	1130 ft	25NM		162°/6,64NM DTHR 34 (1)
(1) Situé à Valencin								

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Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied	Portée	RDH (pente)	Situation	
					Root ALT	Coverage	(slope)	Location	
<b>LFLL — LYON SAINT EXUPERY</b>									
VOR-DME	LSE	114.75 MHz CH 94Y	H24	45°44'43.9"N 005°05'26.1"E	820 ft	140NM(135°.255°) 100NM FL500			
LOC 35R (III.E.4)	LSN	111.5 MHz	H24	45°44'15.6"N 005°05'29.5"E	774 ft			355°/305 m THR 17L	
GP 35R		332.9 MHz	H24	45°42'51.0"N 005°05'46.8"E	820 ft		16.3 m/53 ft (3 °)	019°/371 m THR 35R	
DME 35R		CH 52X	H24	45°42'51.0"N 005°05'46.8"E	872 ft	25NM FL250		019°/371 m THR 35R	(1)
LOC 17L (I)	LSS	109.1 MHz	H24	45°42'28.3"N 005°05'42.6"E	829 ft			175°/350 m THR 35R	
GP 17L		331.4 MHz	H24	45°43'57.1"N 005°05'38.8"E	788 ft		16 m/52 ft (3 °)	147°/319 m THR 17L	
DME 17L		CH 28X	H24	45°43'57.1"N 005°05'38.8"E	863 ft	25NM FL250		147°/319 m THR 17L	(2)
LOC 35L (III.E.4)	SAN	110.75 MHz	H24	45°44'55.7"N 005°05'08.4"E	752 ft			355°/248 m THR 17R	
GP 35L		330.05 MHz	H24	45°42'49.8"N 005°05'30.7"E	812 ft		17.4 m/57 ft (3 °)	019°/364 m THR 35L	
DME 35L		CH 44Y	H24	45°42'49.8"N 005°05'30.7"E	863 ft	25NM FL250		019°/364 m THR 35L	
(1) DME ATT omnidirectionnel									
(2) DME ATT directionnel									
<b>LFML — MARSEILLE PROVENCE</b>									
NDB	MAR	383 kHz	H24	43°29'23.3"N 005°08'14.1"E	53 ft	25NM		311°/3.7NM DTHR 13L	
NDB	MJ	406 kHz	H24	43°26'17.7"N 005°12'59.1"E	72 ft	50NM FL500		325°/912m DTHR 31R	
NDB	MS	343 kHz	H24	43°23'19.0"N 005°17'00.5"E	893 ft	25NM		132°/3.7NM DTHR 31R	
NDB	OB	395 kHz	HO	43°13'47.4"N 005°39'55.5"E	1562 ft	50NM			
VOR-DME	MRM	108.8 MHz CH 25X	H24	43°22'38.4"N 005°19'35.2"E	771 ft	60NM(270°.90°) 100NM FL500		124°/5.6NM DTHR 31R	(1)
LOC 13R (I.E.1)	MCE	108.3 MHz	H24	43°25'29.3"N 005°13'32.9"E	67 ft			133°/271 m DTHR 31L	
GP 13R		334.1 MHz	H24	43°26'17.6"N 005°12'18.7"E	8 ft		17.7 m/58 ft (3 °)	154°/328m THR 13R	
DME 13R		CH 20X	H24	43°26'17.6"N 005°12'18.7"E	63 ft	25NM FL100		154°/328m THR 13R	(2)
LOC 13L (III.E.4)	ML	110.3 MHz	H24	43°25'31.9"N 005°13'51.3"E	79 ft			132°/937 m DTHR 31R	
GP 13L		335 MHz	H24	43°26'39.3"N 005°12'07.7"E	7 ft		16.7 m/55 ft (3 °)	153°/340 m DTHR 13L	
DME 13L		CH 40X	H24	43°26'39.3"N 005°12'07.7"E	42 ft	25NM FL250		153°/340m DTHR 13L	(3)
LOC 31R (I.E.1)	MPV	111.15 MHz	H24	43°26'59.0"N 005°11'47.3"E	7 ft			312°/434 m DTHR 13L	
GP 31R		331.55 MHz	H24	43°25'56.7"N 005°13'08.4"E	43 ft		17.9 m/59 ft (4 °)	289°/312m DTHR 31R	
DME 31R		CH 48Y	H24	43°25'56.7"N 005°13'08.4"E	88 ft	25NM FL250		289°/312m DTHR 31R	(4)
(1) Fluctuation occasionnelle du signal VOR dans le secteur Sud du moyen.									
(2) DME ATT omnidirectionnel									
(3) DME ATT omnidirectionnel									
(4) DME ATT omnidirectionnel									
<b>LFPM — MELUN VILLAROCHE</b>									
NDB	MV	434 kHz	H24	48°33'14.1"N 002°58'40.8"E	448 ft	25NM		104°/11,8NM THR 28	
VOR-DME	MLN	113.6 MHz CH 83X	H24	48°27'20.8"N 002°48'47.8"E		40NM FL250			
<b>LFQT — MERVILLE CALONNE</b>									
NDB	MRV	404 kHz	H24	50°40'16.8"N 002°42'22.0"E	106 ft	25NM		039°/3,51NM THR 22	
NDB	MVC	327 kHz	H24	50°34'17.6"N 002°35'14.0"E	138 ft	25NM		219°/3,05NM DTHR 04	
LOC 22 (I.E.1)	MER	109.35 MHz	H24	50°36'37.9"N 002°37'58.0"E	71 ft			217°/240 m DTHR04	
GP 22		331.85 MHz		50°37'25.7"N 002°38'47.8"E	58 ft		16.9 m/55 ft (3.5 °)	245°/279 m THR 22	
DME 22		CH 30Y		50°37'25.7"N 002°38'47.8"E	100 ft	25NM FL250		245°/279m THR 22	(1)
(1) DME ATT omnidirectionnel									
<b>LFJJ — METZ NANCY LORRAINE</b>									
NDB	LOU	388 kHz	H24	48°59'54.0"N 006°16'17.0"E	913 ft	25NM		039°/0.6 NM THR 22	
NDB	MTZ	354 kHz	H24	49°16'34.1"N 006°12'31.0"E	645 ft	25NM			
LOC 22 (III.E.4)	MLY	111.75 MHz	H24	48°58'03.8"N 006°14'00.5"E	871 ft			219°/470 m DTHR 04	
GP 22		333.35 MHz	H24	48°59'17.7"N 006°15'39.6"E	870 ft		15.7 m/52 ft (3 °)	196°/300 m THR 22	
DME 22		CH 54Y	H24	48°59'17.7"N 006°15'39.6"E	919 ft	25NM FL250		196°/300m THR 22	
<b>LFBM — MONT DE MARSAN</b>									
TACAN	MDM	CH 24X	H24	43°54'35.8"N 000°30'15.8"W	240 ft	200NM FL600		259°/1424 m THR 27	
VOR-DME	LGH	111.65 MHz CH 53Y	H24	43°54'39.0"N 000°29'42.0"W	222 ft	60NM FL250		256°/666 m THR 27	
LOC 27 (II)	MDM	110.5 MHz	H24	43°54'37.5"N 000°32'26.4"W				267°/4320 m THR 27	
GP 27		329.6 MHz		43°54'38.7"N 000°29'30.6"W			15.8 m/52 ft (3 °)	246°/428 m THR 27	
OM 27		75 MHz	H24	43°54'59.9"N 000°22'50.0"W				087°/4,6 NM THR 27	
MM 27		75 MHz	H24	43°54'45.7"N 000°28'31.1"W				087°/938 m THR 27	
<b>DIRCAM</b>									
<b>AMDT 03/21</b>									
<b>AD 2.19-8</b>									



**AD 2.19 Moyens radio de navigation et d'atterrissage**  
Radio navigation and landing aids

**28 JAN 21**

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFSM — MONTBELIARD COURCELLES</b>									
NDB	MB	330 kHz	H24	47°30'15.0"N 006°55'26.0"E	1324 ft	25NM		081°/4,4NM DTHR 26	
<b>LFBK — MONTLUCON GUERET</b>									
NDB	LPD	398 kHz	H24	46°18'08.7"N 002°20'13.6"E	1493 ft	25NM FL100		350°/4,4NM THR 17	
<b>LFMT — MONTPELLIER MEDITERRANEE</b>									
NDB	FG	339 kHz	H24	43°33'24.4"N 004°00'50.6"E	46 ft	25NM		126°/1,7NM THR 30R	
VOR-DME	FJR	114.45 MHz CH 91Y	H24	43°34'42.1"N 003°58'29.0"E	7 ft	80NM(225°..345°) 60NM FL500		317°/880m THR 30R	
LOC 30R (I.E.1)	FG	108.55 MHz	H24	43°35'14.9"N 003°57'10.8"E	17 ft			306°/270m THR 12L	(1)
GP 30R		329.75 MHz	H24	43°34'30.6"N 003°58'48.3"E	5 ft		14.5 m/48 ft ( 3° )	329°/310m THR 30R	
DME 30R		CH 22Y	H24	43°34'30.6"N 003°58'48.3"E	40 ft	25NM FL250		329°/310m THR 30R	
(1) Secteur utilisable : 120°									
<b>LFBR — MURET LHERM</b>									
NDB	MUT	350 kHz	H24	43°28'47.3"N 001°10'53.6"E	774 ft	25NM		300°/3,7NM THR 12	
<b>LFSO — NANCY OCHEY</b>									
TACAN	NAY	CH 115X	H24	48°35'01.1"N 005°57'06.6"E					
LOC 20 (I)	NAY	108.7 MHz	HX	48°34'12.7"N 005°56'51.3"E					
GP 20		330.5 MHz		48°35'26.3"N 005°57'37.1"E			16.5 m/54 ft ( 3° )		
OM 20		75 MHz	HX	48°39'47.1"N 005°59'47.8"E					
MM 20		75 MHz	HX	48°38'03.6"N 005°57'50.5"E					
<b>LFRS — NANTES ATLANTIQUE</b>									
NDB	GL	369 kHz	H24	47°03'10.1"N 001°41'16.2"W	61 ft	25NM		211°/6NM THR 03 208°/6NM THR 03	
VOR-DME	NTS	115.5 MHz CH 102X	H24	47°09'39.1"N 001°36'46.7"W	92 ft	100NM(315°.45°) 150NM FL500		255°/740m DTHR 21 252°/740m DTHR 21	
LOC 03 (III.E.4)	NT	109.9 MHz	H24	47°09'56.5"N 001°36'04.3"W	86 ft			030°/300 m DTHR 21 028°/300 m DTHR 21	
GP 03		333.8 MHz	H24	47°08'39.2"N 001°37'09.6"W	76 ft		16.9 m/55 ft ( 3° )	007°/291 m THR 03 003°/291 m THR 03	
DME 03		CH 36X	H24	47°08'39.2"N 001°37'09.6"W	132 ft	25NM FL250		007°/291m THR 03 003°/291m THR 03	(1)
(1) Portée omnidirectionnelle									
<b>LFQG — NEVERS FOURCHAMBAULT</b>									
NDB	NV	394 kHz	H24	46°57'20.3"N 003°11'23.8"E	681 ft	25NM		133°/4NM THR 30	
<b>LFMN — NICE COTE D'AZUR</b>									
NDB	MUS	428 kHz	H24	43°23'04.5"N 006°36'22.9"E	1500 ft	40NM			
NDB	NC	338 kHz	H24	43°35'24.9"N 007°07'44.7"E	78 ft	25NM		220°/4,9NM THR 04L	
VOR-DME	AZR	109.65 MHz CH 33Y	H24	43°39'35.0"N 007°13'27.9"E		8.85 ft	100NM FL250		
VOR-DME	CGS	109.2 MHz CH 29X	H24	43°38'42.9"N 007°08'45.3"E	36 ft	40NM FL250			(1)
VOR-DME	NIZ	112.4 MHz CH 71X	H24	43°46'14.3"N 007°15'15.8"E	2822 ft	200NM(135°.225°) 150NM FL500			
LOC 04R (NOCAT)	NA	110.7 MHz	H24	43°40'03.8"N 007°13'44.6"E	9 ft			010°/240 m THR 22L	(2)
GP 04R		330.2 MHz	H24	43°38'52.1"N 007°12'21.9"E	9 ft		15.8 m/52 ft ( 3° )	066°/313 m THR 04R	
DME 04R		CH 44X	H24	43°38'52.1"N 007°12'21.9"E	30 ft	25NM FL250		066°/313 m THR 04R	
LOC 04L (I.E.1)	NI	109.95 MHz	H24	43°40'10.2"N 007°13'42.2"E	8 ft			044°/209 m DTHR 22R	
GP 04L		333.65 MHz	H24	43°39'17.5"N 007°12'22.0"E	10 ft		15 m/49 ft ( 3° )	019°/294 m DTHR 04L	
DME 04L		CH 36Y	H24	43°39'17.5"N 007°12'22.0"E	66 ft	25NM FL250		019°/294 m DTHR 04L	
(1) Utilisation CGS limitée à APP basées sur ce moyen.									
(2) ILS non dans l'axe. Non classé, ne permet pas les entrainements aux APP CAT 2 et 3 ou ATT automatique.									
<b>LFTW — NIMES GARONS</b>									
DME	NG	109.55 MHz CH 32Y		43°45'57.2"N 004°25'03.2"E	340 ft	25NM FL250		151°/315m THR 18	(1)
NDB	NG	354 kHz	H24	43°51'25.9"N 004°24'22.6"E	249 ft	25NM		358°/5,33NM THR 18	(2)
(1) DME ATT omnidirectionnel									
(2) Situé à NIMES Courbessac.									

**AD 2.19 Moyens radio de navigation et d'atterrissage**  
**Radio navigation and landing aids**

**25 FEB 21**

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFMO — ORANGE CARITAT</b>									
NDB	ORG	328 kHz	H24	44°08'45.1"N 004°51'25.9"E	185 ft	80NM			
TACAN	ORG	CH 31X	H24	44°08'21.5"N 004°51'57.8"E	191 ft	60/25		154°/1179 m THR 14	
LOC 14 (I)	ORG	109.9 MHz	H24	44°07'44.1"N 004°52'47.2"E	172 ft			143°/2738 m THR 14	
GP 14		333.8 MHz		44°08'42.7"N 004°51'42.4"E	191 ft		17.4 m/57 ft (2.5 °)	158°/444 m THR 14	
OM 14		75 MHz	H24	44°12'23.6"N 004°48'05.0"E	269 ft			323°/4.28 NM THR 14	
MM 14		75 MHz	H24	44°09'19.6"N 004°51'11.8"E	193 ft			324°/893 m THR 14	
<b>LFOJ — ORLEANS BRICY</b>									
NDB	OAN	385 kHz	H24	48°00'04.5"N 001°46'07.4"E				333°/1199 m THR 25	
VOR-DME	BCY	117.35 MHz	H24	47°59'07.1"N 001°45'20.0"E	435 ft			244°/1655 m THR 25	
		CH 120Y							
LOC 25 (I)	OAN	111.3 MHz	H24	47°58'59.1"N 001°44'32.2"E				248°/262 m THR 07	
GP 25		332.3 MHz		47°59'21.7"N 001°46'19.1"E			17.7 m/58 ft (3 °)	228°/369 m THR 25	
OM 25		75 MHz	H24	48°01'09.8"N 001°53'11.0"E				068°/4.76 NM THR 25	
MM 25		75 MHz	H24	47°59'41.5"N 001°47'19.8"E				068°/1048 m THR 25	
<b>LFOZ — ORLEANS SAINT DENIS DE L'HOTEL</b>									
NDB	ORS	322 kHz	H24	47°56'14.6"N 002°14'33.5"E	432 ft	25NM		053°/3,45 NM THR 23	
<b>LFEC — OUESSANT</b>									
NDB	OSA	351 kHz	H24	48°27'54.8"N 005°03'48.6"W	174 ft	25 NM 50NM			
<b>LFDJ — PAMIER LES PUJOLS</b>									
NDB	PMR	384 kHz	H24	43°05'34.5"N 001°35'46.2"E	1488 ft	25NM		271°/4.13NM THR 09	
<b>LFPG — PARIS CHARLES DE GAULLE</b>									
DME	CGN	115.35 MHz	H24	49°01'11.7"N 002°30'00.4"E	385 ft	60NM FL250		265°/950m THR 09R	
		CH 100Y							
VOR-DME	PGS	117.05 MHz	H24	48°59'58.1"N 002°37'25.7"E	348 ft	110NM FL500		085°/0,86NM DTHR 26R	
		CH 117Y							
LOC 09R (III.E.4)	CGE	110.4 MHz	HX	49°01'26.3"N 002°34'32.6"E	380 ft			085°/1000 m DTHR 27L	(1)
GP 09R		334.4 MHz		49°01'19.5"N 002°31'02.7"E	373 ft		16.5 m/54 ft (3 °)	063°/356 m THR 09R	
DME 09R		CH 38X		49°01'19.5"N 002°31'02.6"E	393 ft	25NM FL250		063°/356m THR 09R	
LOC 27L (III.E.4)	CGW	110.7 MHz	HX	49°01'13.3"N 002°30'29.6"E	364 ft			265°/354 m THR 09R	
GP 27L		330.2 MHz		49°01'27.1"N 002°33'26.2"E	383 ft		17.1 m/56 ft (3 °)	286°/369 m DTHR 27L	
DME 27L		CH 44X		49°01'27.1"N 002°33'26.3"E	405 ft	25NM FL250		286°/369m DTHR 27L	
LOC 08R (III.E.4)	DSE	108.55 MHz	H24	48°59'43.4"N 002°36'43.4"E	307 ft			085°/707 m THR 26L	
GP 08R		329.75 MHz		48°59'31.0"N 002°34'12.2"E	335 ft		16.5 m/54 ft (3 °)	109°/339 m THR 08R	
DME 08R		CH 22Y		48°59'31.0"N 002°34'12.2"E	357 ft	25NM FL250		109°/339m THR 08R	
LOC 26L (III.E.4)	DSU	108.35 MHz	H24	48°59'31.8"N 002°33'05.4"E	324 ft			265°/1041 m THR 08R	
GP 26L		333.95 MHz		48°59'36.4"N 002°35'53.9"E	315 ft		17.3 m/57 ft (3 °)	242°/342 m THR 26L	
DME 26L		CH 20Y		48°59'36.4"N 002°35'53.9"E	337 ft	25NM FL250		242°/341m THR 26L	
LOC 26R (III.E.4)	GAU	111.95 MHz	HX	48°59'43.1"N 002°32'43.7"E	343 ft			265°/533 m THR 08L	(2)
GP 26R		330.95 MHz		48°59'48.8"N 002°35'52.1"E	318 ft		15.2 m/50 ft (3 °)	242°/347 m DTHR 26R	
DME 26R		CH 56Y		48°59'48.8"N 002°35'52.1"E	368 ft	25NM FL250		242°/347m DTHR 26R	
LOC 08L (III.E.4)	GLE	108.7 MHz	HX	48°59'56.2"N 002°36'48.9"E	312 ft			085°/850 m DTHR 26R	
GP 08L		330.5 MHz		48°59'40.3"N 002°33'26.7"E	339 ft		17.3 m/57 ft (3 °)	110°/365 m THR 08L	
DME 08L		CH 24X		48°59'40.3"N 002°33'26.7"E	360 ft	25NM		110°/365m THR 08L	
LOC 09L (III.E.4)	PNE	109.35 MHz	H24	49°01'38.7"N 002°34'31.1"E	382 ft			085°/1000 m THR 27R	
GP 09L		331.85 MHz		49°01'34.1"N 002°31'43.8"E	381 ft		16.5 m/54 ft (3 °)	061°/330 m THR 09L	
DME 09L		CH 30Y		49°01'34.1"N 002°31'43.8"E	400 ft	25NM FL250		061°/329 m THR 09L	
LOC 27R (III.E.4)	PNW	110.35 MHz	H24	49°01'26.0"N 002°30'33.2"E	365 ft			265°/1149 m THR 09L	
GP 27R		334.85 MHz		49°01'39.5"N 002°33'24.4"E	386 ft		16.5 m/54 ft (3 °)	286°/375 m THR 27R	
DME 27R		CH 40Y		49°01'39.5"N 002°33'24.4"E	408 ft	25NM FL250		286°/375 m THR 27R	

(1) Permanent lorsque la RWY 09L est en service

(2) Permanent lorsque la RWY 26L est en service

**AD 2.19 Moyens radio de navigation et d'atterrissage**  
Radio navigation and landing aids

**28 JAN 21**

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFPB — PARIS LE BOURGET</b>									
VOR-DME	BT	116.1 MHz CH 108X	H24	48°58'28.8"N 002°27'18.6"E	200 ft	40NM FL250		287°/238 m THR 25 286°/238 m THR 25	
LOC 07 (I.E.1)	LBG	109.5 MHz	H24	48°58'27.9"N 002°27'35.2"E	215 ft			068°/1019 m DTHR 25 067°/1019 m DTHR 25	
GP 07		332.6 MHz	H24	48°58'01.6"N 002°25'37.3"E	167 ft		15 m/49 ft 15.7 m/52 ft ( 3 °)	041°/332 m DTHR 07 040°/332 m DTHR 07	
DME 07		CH 32X	H24	48°58'01.6"N 002°25'37.3"E	185 ft	25NM		041°/332 m DTHR 07 040°/332 m DTHR 07	
LOC 25 (NOCAT)	LBW	111.1 MHz	H24	48°58'31.0"N 002°26'45.2"E	215 ft			351°/485 m DTHR 25 350°/485 m DTHR 25	(1)
LOC 27 (I.E.4)	RGE	110.55 MHz	H24	48°57'48.9"N 002°25'07.9"E	146 ft			264°/113 m THR 09 263°/113 m THR 09	
GP 27		329.45 MHz	H24	48°57'57.4"N 002°26'25.3"E	159 ft		16.5 m/54 ft 16.2 m/53 ft ( 3 °)	284°/398 m THR 27 283°/398 m THR 27	
DME 27		CH 42Y	H24	48°57'57.4"N 002°26'25.3"E	185 ft	25NM FL250		284°/398 m THR 27 283°/398 m THR 27	
(1) Hor ATS									
<b>LFPO — PARIS ORLY</b>									
DME	POY	112.15 MHz CH 58Y	H24	48°43'48.5"N 002°23'23.2"E	327 ft	40NM FL250		167°/901m THR 20	
NDB	POY	334 kHz	H24	48°43'48.5"N 002°23'23.2"E	327 ft	40NM FL250		167°/901m THR 20	
LOC 07 (III.E.4)	OLE	108.15 MHz	H24	48°43'40.1"N 002°24'14.9"E	281 ft			074°/158 m THR 25	
GP 07		334.55 MHz	H24	48°43'09.0"N 002°21'47.8"E	279 ft		14.9 m/49 ft ( 3 °)	095°/347 m THR 07	
DME 07		CH 18Y	H24	48°43'09.0"N 002°21'47.8"E	335 ft	25NM 2300 ft		095°/347 m THR 07	
LOC 02 (I.E.1)	OLN	110.3 MHz	H24	48°44'22.8"N 002°23'16.1"E	281 ft			018°/193 m THR 20	
GP 02		335 MHz	H24	48°43'10.7"N 002°22'48.4"E	289 ft		15.2 m/50 ft ( 3 °)	047°/343 m THR 02	
DME 02		CH 40X	H24	48°43'10.7"N 002°22'48.4"E	289 ft	25NM 2300 ft		047° / 343 m THR 02	
OM 02		75 MHz	H24	48°39'11.2"N 002°20'50.0"E	266 ft			197°/4 NM THR 02	
LOC 24 (III.E.4)	OLO	110.9 MHz	H24	48°43'09.6"N 002°18'54.5"E	288 ft	25NM 3000 ft		242°/448 m DTHR 06	
GP 24		330.8 MHz	H24	48°44'06.7"N 002°21'21.8"E	287 ft		16.2 m/53 ft ( 3 °)	265°/341 m THR 24	
DME 24		CH 46X	H24	48°44'06.7"N 002°21'21.8"E	308 ft	25NM FL250		265°/341m THR 24	
LOC 25 (III.E.4)	OLW	111.75 MHz	H24	48°43'06.9"N 002°21'14.9"E	274 ft			254°/340 m THR 07	
GP 25		333.35 MHz	H24	48°43'27.3"N 002°23'33.7"E	286 ft		16.5 m/54 ft ( 3 °)	229°/360 m DTHR 25	
DME 25		CH 54Y	H24	48°43'27.3"N 002°23'33.7"E	286 ft	25NM FL250		229°/360m DTHR 25	
LOC 06 (III.E.4)	ORE	108.5 MHz	H24	48°44'11.0"N 002°21'48.0"E	284 ft			062°/221 m THR 24	
GP 06		329.9 MHz	H24	48°43'25.9"N 002°19'26.4"E	275 ft		17.3 m/57 ft ( 3 °)	041°/387 m DTHR 06	
DME 06		CH 22X	H24	48°43'25.9"N 002°19'26.4"E	298 ft	25NM FL250		041°/387m DTHR 06	
<b>LFBP — PAU PYRENEES</b>									
NDB	PO	397 kHz	H24	43°18'50.8"N 000°09'58.4"W	1182 ft	25NM		111°/11.2NM THR 31	
NDB	PU	364 kHz	H24	43°19'13.9"N 000°18'18.4"W	831 ft	25NM		128°/5.6NM THR 31	
LOC 31 (III.E.4)	PYR	110.1 MHz	H24	43°23'20.7"N 000°26'09.6"W	576 ft			308°/272 m THR 13	
GP 31		334.4 MHz	H24	43°22'31.0"N 000°24'44.2"W	608 ft		15.9 m/52 ft ( 3 °)	287°/337 m THR 31	
DME 31		CH 38X	H24	43°22'31.0"N 000°24'44.2"W	663 ft	25NM FL250		287°/337m THR 31	
<b>LFBX — PERIGUEUX BASSILLAC</b>									
NDB	PX	389 kHz	H24	45°09'58.7"N 000°54'46.0"E	770 ft	25NM		114°/4.1 NM DTHR 29	
<b>LFMP — PERPIGNAN RIVESALTES</b>									
NDB	PL	351 kHz	H24	42°40'44.6"N 002°55'27.9"E	213 ft	25NM		147°/3.9 NM THR 33	
VOR-DME	PPG	116.25 MHz CH 109Y	H24	42°45'01.7"N 002°52'01.7"E	151 ft	100NM(45°..135°) 80NM FL500		131°/603 m THR 15	(1)
LOC 33 (I.E.1)	PL	111.75 MHz	H24	42°45'21.0"N 002°51'37.0"E	124 ft			327°/224 m THR 15	
GP 33		333.35 MHz	H24	42°44'22.1"N 002°52'32.6"E	128 ft		20.2 m/66 ft ( 3 °)	346°/365 m DTHR 33	
DME 33		CH 54Y	H24	42°44'22.1"N 002°52'32.6"E	183 ft	25NM FL250		346°/365 m DTHR 33	
(1) ALT VOR 128									

**AD 2.19 Moyens radio de navigation et d'atterrissage**  
**Radio navigation and landing aids**

**28 JAN 21**

Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Roof ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFQP — PHALSBOURG BOURSCHIED</b>									
NDB	PHG	424 kHz	H24	48°46'01.8"N 007°11'57.8"E	1012 ft			254°/435 m ARP	(1)
LOC 24 (I)	PB	110.15 MHz	H24	48°45'32.6"N 007°11'01.4"E	983 ft			235°/1872 m ARP	(2)
GP 24		334.25 MHz		48°46'15.3"N 007°12'30.7"E	1005 ft		16.4 m/54 ft ( 3 °)	037°/396 m ARP	(3)
DME 24		CH 38Y		48°46'15.3"N 007°12'30.7"E	1005 ft			037°/396 m ARP	(4)
(1) Secours par groupe et batteries/Backed up by generator and batteries									
(2) Secours par groupe et batteries/backed up by generator and batteries									
(3) Secours par groupe et batteries/Backed up by generator and batteries									
(4) Secours par groupe et batteries/Backed up by generator and batteries									
<b>LFBI — POITIERS BIARD</b>									
VOR	POI	113.3 MHz	H24	46°34'51.6"N 000°17'53.5"E	441 ft	60NM FL500		316°/213m THR 03	
NDB	PI	363 kHz	H24	46°42'14.2"N 000°24'25.1"E	316 ft	35NM		031°/7.4NM THR21	
LOC 21 (I.E.1)	PT	110.95 MHz	H24	46°34'42.7"N 000°17'57.1"E	412 ft			211°/140m THR03	(1)
GP 21		330.65 MHz	H24	46°35'40.4"N 000°18'53.1"E	412 ft		17.2 m/56 ft ( 3 °)	192°/375m THR 21	
DME 21		CH 46Y	H24	46°35'40.4"N 000°18'53.1"E	455 ft	25NM FL250		192°/375m THR 21	
(1) Secteur utilisable: 090°./Usable sector : 90°									
<b>LFPT — PONTOISE CORMEILLES EN VEXIN</b>									
VOR	PON	111.6 MHz	H24	49°05'45.9"N 002°02'09.2"E	318 ft	60NM (314°.44°) 40NM FL500		034°/1113m THR 05	
LOC 05 (I.E.1)	CVN	110.95 MHz	HO	49°05'57.2"N 002°02'40.7"E	304 ft			045°/101 m extrémité 23	(1)
GP 05		330.65 MHz		49°05'24.7"N 002°01'42.8"E	286 ft		13.1 m/43 ft ( 3.2 °)	017°/281 m THR 05	
DME 05		CH 46Y		49°05'24.7"N 002°01'42.8"E	377 ft	25NM FL100		017°/281m THR 05	
(1) 0600-1900 HN: O/R avant 1900 - Secteur utilisable : 090°									
<b>LFQR — QUIMPER PLUGUFFAN</b>									
NDB	RQ	380 kHz	H24	47°58'05.8"N 003°59'54.4"W	386 ft	25NM		097°/6,39 NM THR 28	
VOR-DME	QPR	117.8 MHz CH 125X	H24	47°57'26.2"N 004°11'05.0"W	315 ft	150NM FL500		231°/1.53 NM THR 28	
LOC 28 (I.E.1)	QR	110.3 MHz	H24	47°58'32.6"N 004°11'13.0"W	295 ft			277°/225 m DTHR 10	
GP 28		335 MHz	H24	47°58'24.8"N 004°09'36.8"W	276 ft		15.5 m/51 ft ( 3 °)	252°/290 m THR 28	
DME 28		CH 40X	H24	47°58'24.8"N 004°09'36.8"W	332 ft	25NM FL250		252/290 m THR 28	(1)
(1) Omnidirectionnel, coimplanté GP28									
<b>LFQA — REIMS PRUNAY</b>									
<b>LFRR — RENNES SAINT JACQUES</b>									
VOR-DME	REN	109.25 MHz CH 29Y	H24	48°04'09.3"N 001°44'30.0"W	126 ft	150NM FL500			
LOC 28 (I.E.1)	RS	110.1 MHz	H24	48°04'26.3"N 001°44'53.9"W	72 ft			282°/239 m DTHR 10 281°/239 m DTHR 10	(1)
GP 28		334.4 MHz	H24	48°04'18.2"N 001°43'19.0"W	122 ft		16.2 m/53 ft ( 3 °)	304°/315 m THR 28 303°/315 m THR 28	
DME 28		CH 38X	H24	48°04'18.2"N 001°43'19.0"W	174 ft	25NM FL250		304°/315 m THR 28 303°/315 m THR 28	(2)
(1) Secteur utilisable: 090°. GP28 : angle de couverture limité à 5° à droite de l'axe FNA / Coverage sector 090°. GP 28 : Coverage angle limited to 5° right from FNA axis.									
(2) Secteur utilisable LOC portée 20NM/Coverage sector LOC range 20NM.									
<b>LFLO — ROANNE</b>									
VOR	ROA	110.25 MHz	H24	46°03'33.0"N 003°59'57.4"E	1095 ft	60NM FL250		223°/450m THR 20	
NDB	RNN	358 kHz	H24	46°06'44.5"N 004°02'13.6"E	1164 ft	25NM		028°/3,44NM THR 20	
<b>LFDD — ROCHEFORT CHARENTE-MARITIME</b>									
NDB	ROC	396 kHz	H24	45°53'18.3"N 000°59'10.5"W	95 ft	25NM		290°/1127 m THR 30	
<b>LFRR — RODEZ AVEYRON</b>									
NDB	ROM	302 kHz	H24	44°19'54.7"N 002°36'25.8"E	2113 ft	25NM		132°/6,5NM DTHR 31	
NDB	RZ	387 kHz	H24	44°25'55.0"N 002°26'13.6"E	2109 ft	25NM		307°/1.9NM THR 13	
LOC 31 (I.E.2)	RDE	110.75 MHz	H24	44°24'51.9"N 002°28'16.9"E	1914 ft	25		310°/130 m THR 13	
GP 31		330.05 MHz	H24	44°24'12.5"N 002°29'16.2"E	1880 ft	10	14.8 m/49 ft ( 3 °)	291°/362 m DTHR 31	
DME 31		CH 44Y	H24	44°24'12.5"N 002°29'16.2"E	1939 ft	25NM FL250		291/362m DTHR 31	
<b>LFOP — ROUEN VALLEE DE SEINE</b>									
VOR	ROU	116.8 MHz	H24	49°27'56.3"N 001°16'50.3"E	560 ft	40NM FL250		040°/5,9NM THR 22	
LOC 22 (I.E.1)	RN	110.5 MHz	H24	49°22'39.9"N 001°09'58.1"E	502 ft			221°/254 m THR 04	
GP 22		329.6 MHz	H24	49°23'21.5"N 001°10'46.3"E	506 ft		17.2 m/56 ft ( 3 °)	240°/369 m THR 22	
DME 22		CH 42X	H24	49°23'21.5"N 001°10'46.3"E	571 ft	25NM FL250		240°/369 m THR 22	
<b>DIRCAM AMDT 02/21 AD 2.19-12</b>									

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Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location
<b>LFCY — ROYAN MEDIS</b>								
NDB	RY	427 kHz	H24	45°36'57.2"N 000°52'00.4"W	94 ft	25NM		102°/4.3NM DTHR 28
<b>LFRT — SAINT BRIEUCC ARMOR</b>								
NDB	SB	353 kHz	H24	48°34'03.1"N 002°46'56.8"W	293 ft	35NM		060°/2.8NM THR 24
<b>LFSI — SAINT DIZIER ROBINSON</b>								
TACAN	SDI	CH 87X	H24	48°38'13.9"N 004°53'21.1"E	447 ft			133°/507 m THR 11
LOC 29 (NOCAT)	SDI	108.9 MHz	H24	48°38'29.9"N 004°52'45.8"E	441 ft			291°/398 m THR 11 (1)
GP 29		329.3 MHz		48°37'54.5"N 004°54'36.0"E	455 ft		15.8 m/52 ft (3°)	269°/332 m THR 29
OM 29		75 MHz	H24	48°38'16.4"N 005°00'43.5"E	619 ft			111°/421 NM THR 29
MM 29		75 MHz	H24	48°37'42.2"N 004°55'36.0"E	449 ft			111°/973 m THR 29
(1) GP non conforme OACI.								
Inutilisable par ACFT CIV.								
<b>LFMH — SAINT ETIENNE LOIRE</b>								
NDB	BO	299 kHz	H24	45°31'13.9"N 004°17'56.1"E	1422 ft	25NM		174°/1271m DTHR 35
NDB	EB	379 kHz	H24	45°38'16.6"N 004°17'00.7"E	1279 ft	25NM		354°/5.4NM DTHR 17
<b>LFRR — SAINT NAZAIRE MONTOIR</b>								
NDB	MT	398 kHz	H24	47°20'01.5"N 002°02'40.2"W	67 ft	50NM		073°/3.82NM THR 25
LOC 25 (I.A.1)	MT	108.5 MHz	H24	47°18'30.5"N 002°10'03.2"W	12 ft			254°/246 m THR 07
GP 25		329.9 MHz	H24	47°18'56.0"N 002°08'17.0"W	11 ft		15.7 m/52 ft (3°)	276°/314 m THR 25
DME 25		CH 22X	H24	47°18'56.0"N 002°08'17.0"W	16 ft	25NM FL250		276°/314 m THR 25
<b>LFLN — SAINT YAN</b>								
NDB	SN	430 kHz	H24	46°17'39.7"N 004°07'17.0"E	1431 ft	25NM		149°/7.9NM THR 33R
LOC 33R (I.E.1)	SN	111.75 MHz	H24	46°25'28.6"N 004°00'17.3"E	783 ft			329°/343 m THR 15L
GP 33R		333.35 MHz		46°24'29.6"N 004°01'02.6"E	794 ft		15.9 m/52 ft (3°)	302°/335 m THR 33R
DME 33R		CH 54Y		46°24'29.6"N 004°01'02.6"E	830 ft	25NM FL250		302°/335 THR 33R
<b>LFMY — SALON DE PROVENCE</b>								
NDB	SAL	334 kHz	H24	43°36'38.3"N 005°06'03.9"E	192 ft	50NM		
TACAN	SAL	CH 98Y	H24	43°36'42.6"N 005°06'10.1"E	192 ft	100NM FL500		
LOC 16 (II)	SAL	110.9 MHz	H24	43°35'48.9"N 005°06'50.3"E	193 ft			159°/218 m THR 34
GP 16		330.8 MHz		43°36'47.6"N 005°06'26.3"E	193 ft		16.5 m/54 ft (3°)	139°/357 m THR 16
OM 16		75 MHz	H24	43°41'02.3"N 005°04'10.9"E	327 ft			339°/4.37 NM THR 16
MM 16		75 MHz	H24	43°37'23.3"N 005°06'02.8"E	200 ft			340°/882 m THR 16
<b>LFKS — SOLENZARA</b>								
NDB	SZA	349.5 kHz	H24	41°56'00.0"N 009°23'38.4"E	23 ft			249°/972m THR 18
TACAN	SZA	CH 87X	H24	41°56'14.9"N 009°23'58.4"E	10 ft	200/60 200NM FL500		285°/476m THR 18
LOC 18 (NOCAT)	SZA	109.1 MHz	H24	41°54'33.6"N 009°24'20.6"E	20 ft			177°/362m THR 36
GP 18		331.4 MHz	H24	41°56'00.0"N 009°24'13.1"E	23 ft		17 m/56 ft (3°)	200°/344m THR 18
OM 18		75 MHz	H24	41°59'53.7"N 009°24'12.4"E	40 ft			357°/3.72 NM THR 18
MM 18		75 MHz	H24	41°56'39.2"N 009°24'17.5"E	3 ft			357°/886m THR 18
<b>LFST — STRASBOURG ENTZHEIM</b>								
NDB	SE	412 kHz	H24	48°35'20.1"N 007°42'53.1"E	523 ft	25NM		048°/3.94NM THR 23
VOR-DME	STR	115.6 MHz CH 103X	H24	48°30'19.4"N 007°34'19.1"E	577 ft	150NM(135 ... 225 ) 60NM(45° - 135°)		
LOC 05 (I.E.1)	ENT	108.55 MHz	H24	48°32'55.7"N 007°38'46.3"E	489 ft			048°/566 m THR 23
GP 05		329.75 MHz	H24	48°31'54.8"N 007°37'10.9"E	503 ft		15.7 m/52 ft (3.5°)	074°/282 m THR 05
DME 05		CH 22Y	H24	48°31'54.2"N 007°37'12.2"E	516 ft	25NM FL250		079°/303 m THR 05
LOC 23 (III.E.4)	STZ	109.55 MHz	H24	48°31'40.2"N 007°36'36.9"E	508 ft			228°/568 m THR 05
GP 23		332.45 MHz	H24	48°32'33.8"N 007°38'17.7"E	491 ft		17.3 m/57 ft (3°)	208°/343 m THR 23
DME 23		CH 32Y	H24	48°32'33.8"N 007°38'17.7"E	537 ft	25NM FL250		208°/341m THR23
<b>LFBT — TARBES LOURDES PYRENEES</b>								
NDB	TL	321 kHz	H24	43°17'18.2"N 000°02'58.7"E	928 ft	50NM		021°/6.22 NM THR 20
LOC 20 (I.E.1)	OS	109.5 MHz	H24	43°09'52.2"N 000°00'48.6"W	1265 ft			201°/843 m DTHR 02 (1)
GP 20		332.6 MHz	H24	43°11'19.4"N 000°00'01.2"E	1179 ft		15 m/49 ft (3°)	176°/287 m THR 20
DME 20		CH 32X	H24	43°11'19.4"N 000°00'01.2"E	1235 ft	25NM FL250		176°/287 m THR 20
(1) Couverture LOC limitée à plus ou moins 34° jusqu'à 17 NM (15 NM DME OS) / LOC coverage limited to about 34° up to 17 NM (15 NM DME OS).								

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Type (CAT ILS)	ID	FREQ	HOR	Position GEO	ALT au pied Root ALT	Portée Coverage	RDH (pente) (slope)	Situation Location	
<b>LFBO — TOULOUSE BLAGNAC</b>									
NDB	TLB	368 kHz	H24	43°56'47.0"N 001°26'29.0"E		30NM		015°/18.6 NM THR 14R	
NDB	TOE	415 kHz	H24	43°28'52.0"N 001°40'47.6"E	898 ft	30NM		126°/15.7 NM THR 32L	
NDB	TS	423 kHz	H24	43°30'26.2"N 001°29'12.4"E	844 ft	30NM		146°/8.4 NM THR 32L	
NDB	TW	406 kHz	H24	43°31'50.2"N 001°01'31.0"E	813 ft	30NM		254°/16 NM THR 32L	
VOR-DME	TOU	117.7 MHz CH 124X	H24	43°40'51.0"N 001°18'35.3"E	574 ft	120NM(195°.255°) 70NM FL500			
LOC 32L (I.E.1)	TBN	109.3 MHz	HX	43°38'54.1"N 001°20'29.4"E	487 ft			326°/575 m THR 14R	(1)
GP 32L		332 MHz	HX	43°37'18.6"N 001°22'17.3"E	495 ft		15.3 m/50 ft (3°)	354°/300 m THR 32L	
DME 32L		CH 30X	HX	43°37'18.6"N 001°22'17.3"E	535 ft	25NM FL250		354°/300 m THR 32L	
LOC 14R (III.E.4)	TBS	110.7 MHz	HX	43°36'53.0"N 001°22'35.5"E	497 ft			146°/550 m THR 32L	(2)
GP 14R		330.2 MHz	HX	43°38'32.8"N 001°20'58.5"E	485 ft		17.7 m/58 ft (3°)	123°/375 m THR 14R	
DME 14R		CH 44X	HX	43°38'32.8"N 001°20'58.5"E	540 ft	25NM FL250		123°/375 m THR 14R	
LOC 32R (I.E.1)	TD	108.35 MHz	H24	43°38'21.1"N 001°21'19.6"E	486 ft			325°/293 m THR 14L	(3)
GP 32R		333.95 MHz	H24	43°37'01.1"N 001°22'36.5"E	498 ft		17 m/56 ft (3°)	300°/313 m THR 32R	
DME 32R		CH 20Y	H24	43°37'01.1"N 001°22'36.5"E	554 ft	25NM		300°/313 m THR 32R	
LOC 14L (I.E.1)	TG	108.9 MHz	H24	43°36'50.1"N 001°22'55.3"E	494 ft			146°/240 m THR 32R	(4)
GP 14L		329.3 MHz	H24	43°38'04.3"N 001°21'29.7"E	489 ft		15.2 m/50 ft (3°)	168°/330 m THR 14L	
DME 14L		CH 26X	H24	43°38'04.3"N 001°21'29.7"E	528 ft	25NM FL250		168°/330 m THR 14L	
(1) Lorsque la RWY 32L est en service et O/R ILS de classe I.E.1									
(2) Lorsque la RWY 14R est en service et O/R ILS de classe III.E.4									
(3) Lorsque la RWY 32R est en service et O/R									
(4) Lorsque la RWY 14L est en service et O/R									
<b>LFBF — TOULOUSE FRANCAZAL</b>									
NDB	TLF	332 kHz	HO	43°35'49.9"N 001°12'40.6"E	650 ft			296°/6.97NM THR 11	
<b>LFOT — TOURS VAL DE LOIRE</b>									
NDB	TUR	331 kHz	H24	47°33'57.2"N 000°46'57.4"E	551 ft				
TACAN	TUR	CH 85X	HX	47°25'19.9"N 000°43'51.2"E	387 ft	150NM		086°/567m THR 02	
LOC 20 (I.E.2)	TS	110.55 MHz	H24	47°25'04.7"N 000°43'18.8"E	341 ft			195°/438 m THR 02	
GP 20		329.45 MHz		47°26'25.4"N 000°43'45.3"E	354 ft		15.2 m/50 ft (3°)	217°/318 m THR 20	
DME 20		CH 42Y		47°26'25.4"N 000°43'45.3"E				217°/318m THR 20	
<b>LFPN — TOUSSUS LE NOBLE</b>									
VOR	TSU	108.25 MHz	H24	48°45'13.4"N 002°06'08.5"E	547 ft	100NM(134°.314°) 80NM FL500		043°/386m THR 07L	
LOC 25R (I.E.1)	TNO	110.15 MHz	H24	48°44'58.5"N 002°05'29.4"E	547 ft			251°/561 m THR 07L	
GP 25R		334.25 MHz		48°45'16.8"N 002°06'32.5"E	508 ft		16.1 m/53 ft (3°)	276°/286 m THR 25R	
DME 25R		CH 38Y		48°45'16.8"N 002°06'32.5"E	564 ft	25NM FL250			
<b>LFQB — TROYES BARBEREY</b>									
VOR	TRO	116 MHz	H24	48°15'04.4"N 003°57'47.3"E	861 ft	60NM FL500			
NDB	TY	320 kHz	H24	48°24'00.7"N 004°00'14.3"E	655 ft	25NM		355°/4,27NM THR 17	
<b>LF LU — VALENCE CHABEUIL</b>									
NDB	VE	320 kHz	H24	44°50'56.4"N 004°57'19.8"E	715 ft	25NM		188°/4NM DTHR 01	
<b>LF AV — VALENCIENNES DENAIN</b>									
NDB	VS	317 kHz	H24	50°21'07.7"N 003°21'14.1"E	162 ft	25NM		293°/4.05 NM DTHR 11	
<b>LF RV — VANNES MEUCON</b>									
NDB	VA	342 kHz	H24	47°46'09.9"N 002°39'41.6"W	300 ft	25NM		043°/3,19 NM THR 22	
<b>LF LV — VICHY CHARMEL</b>									
NDB	VZ	403 kHz	H24	46°07'39.0"N 003°23'42.0"E		25NM		190°/1,97NM THR 01	
<b>LF PV — VILLACOUBLAY VELIZY</b>									
NDB	HOL	315 kHz	H24	48°43'50.1"N 001°49'13.8"E					
NDB	TA	286.5 kHz	H24	48°46'17.7"N 002°05'50.8"E				268°/3.65 NM DTHR 09 267°/3.65 NM DTHR 09	
LOC 09 (I)	VVE	111.35 MHz	H24	48°46'28.8"N 002°12'59.5"E				088°/1.08 NM DTHR 09 087°/1.08 NM DTHR 09	
GP 09		332.15 MHz	H24	48°46'32.6"N 002°11'36.9"E			15.9 m/52 ft (3°)	060°/363m DTHR 09 059°/363m DTHR 09	
DME 09		CH 50Y	H24	48°46'32.6"N 002°11'36.9"E					
LOC 27 (II)	VVO	110.75 MHz	H24	48°46'26.6"N 002°11'10.5"E				268°/1.1 NM DTHR 27 267°/1.1 NM DTHR 27	
GP 27		330.05 MHz	H24	48°46'32.2"N 002°12'35.6"E			14.9 m/49 ft (3°)	291°/317m DTHR 27 290°/317m DTHR 27	
DME 27		CH 44Y	H24	48°46'32.2"N 002°12'35.6"E					

## ENR 4 AIDES/SYSTEMES DE RADIONAVIGATION

## RADIO NAVIGATION AIDS/SYSTEMS

## ENR 4.1 AIDES DE RADIONAVIGATION EN-ROUTE

## RADIO NAVIGATION AIDS EN-ROUTE

Station	Service	ID	FREQ	HR	Position GEO Portée Coverage	ALT	Situation Location	exploitant operator	Observations Remarks
ABBEVILLE	VOR-DME	ABB	108.45 MHz Ch 21Y	H24	50°08'06.5"N 001°51'16.9"E 60NM FL500				
AGEN-Gaudonville	VOR-DME	AGN	114.8 MHz Ch 95X	H24	43°53'16.9"N 000°52'22.3"E 120NM(315°.75°) 100NM FL500	896 ft			
AJACCIO-Coti Chiavari	VOR-DME	AJO	114.8 MHz Ch 95X	H24	41°46'13.9"N 008°46'28.8"E 200NM(90°.270°) 100NM FL500	2142 ft			
ALES CEVENNES	NDB	DA	402 kHz	H24	44°03'59.2"N 004°08'32.3"E 25NM	681 ft	058°/175m DTHR 01		
AMBOISE	NDB	AMB	341 kHz	H24	47°25'05.4"N 001°02'27.6"E 50NM FL500	397 ft			
	VOR-DME	AMB	113.7 MHz Ch 84X	H24	47°25'44.1"N 001°03'52.0"E 120NM(105°.255°) 80NM FL500	387 ft			
ANGERS	VOR	ANG	113 MHz	H24	47°32'12.7"N 000°51'06.6"W 120NM(315°.45°) 80NM FL500	304 ft			
AVIGNON CAUMONT	NDB	CM	369 kHz	H24	43°54'29.8"N 004°54'19.4"E 20NM	160 ft	143°/750m DTHR 17		
AVIGNON Pujaut	VOR-DME	AVN	114.6 MHz Ch 93X	H24	43°59'43.3"N 004°44'47.0"E 60NM FL500	159 ft			
AVORD	NDB	AVD	288.5 kHz	H24	47°07'14.4"N 002°47'58.6"E 50NM FL500	695 ft			
	TACAN	AVD	Ch 43X	H24	47°03'29.1"N 002°37'47.5"E 150NM FL600	578 ft			
BALE-MULHOUSE	VOR-DME	BLM	117.45 MHz Ch 121Y	H24	47°37'58.1"N 007°29'58.2"E 100 NM(270°.360°) 60NM FL500	886 ft	333°/1 NM THR 15		
BASTIA PORETTA	VOR-DME	BTA	114.15 MHz Ch 88Y	H24	42°34'24.9"N 009°28'29.4"E 80NM FL500	36 ft	340°/1170m THR 16		
BEZIERS VIAS	DME	ZR	109.35 MHz Ch 30Y	H24	43°19'20.9"N 003°20'46.3"E 25NM FL250	88 ft	118°/354 m THR 09		
BIARRITZ PAYS BASQUE	VOR-DME	BTZ	114.15 MHz Ch 88Y	H24	43°27'59.9"N 001°30'37.0"W 100NM(315°.45°) 60NM FL500	276 ft	198°/223m THR 27		
BORDEAUX MERIGNAC	VOR-DME	BMC	113.75 MHz Ch 84Y	H24	44°49'37.0"N 000°43'16.0"W 150NM(225°.315°) 100NM FL500	210 ft			ALT VOR 161
BOULOGNE SUR MER	VOR	BNE	113.8 MHz	H24	50°37'29.2"N 001°54'25.6"E 70NM FL500	584 ft			
BOURSONNE	DME	BSN	114.85 MHz Ch 95Y	H24	49°11'17.9"N 003°03'23.5"E 60NM FL500				
BRAY SUR SEINE	VOR-DME	BRY	114.1 MHz Ch 88X	H24	48°24'25.2"N 003°17'41.2"E 100NM(45°.135°) 60NM FL500	289 ft			
CAEN CARPIQUET	VOR-DME	CAN	114.45 MHz Ch 91Y	H24	49°10'23.5"N 000°27'19.0"W 80NM FL500	269 ft	287°/773 m THR 31		
CALVI SAINTE CATHERINE	NDB	CV	375 kHz	H24	42°34'37.1"N 008°48'23.7"E 25NM	71 ft	016°/2,2 NM THR 18		
CAMBRAI EPINOY	VOR-DME	CMB	112.6 MHz Ch 73X	H24	50°13'41.3"N 003°09'05.4"E 80NM FL500	299 ft	063°/1230m THR 10		
CANNES-Tanneron	VOR	CNM	111.4 MHz	H24	43°33'37.3"N 006°52'15.4"E 60NM(225°.315°) 80NM(315°.45°) 40NM FL500	1595 ft			

Station	Service	ID	FREQ	HCR	Position GEO Portée Coverage	ALT	Situation Location	exploitant operator	Observations Remarks
CHARTRES La Loupe	VOR-DME	CHW	115.2 MHz Ch 99X	H24	48°28'48.0"N 000°59'13.4"E 180NM(135°.225°) 100NM FL500	732 ft			
CHATEAUDUN	TACAN	CHN	Ch 39X	H24	48°03'20.9"N 001°22'31.4"E 80NM(224°-314°) 40NM FL500				Fonction NAV uniquement 40NM, FL500.
	VOR-DME	CAD	115.95 MHz Ch 106Y	H24	48°03'33.0"N 001°23'13.5"E 80NM 40NM FL500				
CHATEAUROUX DEOLS	NDB	CTX	428 kHz	H24	46°56'11.8"N 001°48'04.1"E 50NM	605 ft	034°/4,35 NM THR 21		
CHATILLON SUR MARNE	VOR-DME	CTL	117.6 MHz Ch 123X	H24	49°08'15.9"N 003°34'39.7"E 70NM(315°.60°) 100NM FL500	673 ft			
CLERMONT FERRAND AUVERGNE	VOR-DME	CFA	114.35 MHz Ch 90Y	H24	45°47'14.9"N 003°11'31.9"E 100NM FL500	1093 ft	118°/392m THR 26		
COGNAC CHATEAUBERNARD	TACAN	CGC	Ch 109X	H24	45°39'41.3"N 000°18'28.3"W	94 ft	273°/396m DTHR23		
	VOR-DME	CNA	114.65 MHz Ch 93Y	H24	45°39'34.4"N 000°18'41.9"W	78 ft	255°/714m DTHR 23		
COULOMMIERS Voisins	VOR-DME	CLM	112.9 MHz Ch 76X	H24	48°50'40.7"N 003°00'49.9"E 60NM FL500	486 ft			
DAX SEYRESSE	NDB	DX	334 kHz	H24	43°41'50.6"N 001°01'41.3"W 25NM		073°/1,68 NM THR 26		
DEAUVILLE NORMANDIE	VOR	DVL	110.2 MHz	H24	49°18'38.7"N 000°18'45.8"E 60NM FL500	497 ft	117°/6,6NM DTHR 30		
DIEPPE	VOR	DPE	115.8 MHz	H24	49°55'31.4"N 001°10'14.3"E 40NM FL500	362 ft			
DIGNE	VOR	DGN	113.85 MHz	H24	43°59'29.0"N 006°06'03.0"E 150NM(135°.225°) 90NM FL500	3027 ft			
DIJON-LONGVIC	VOR-DME	DJL	111.45 MHz Ch 51Y	H24	47°16'14.8"N 005°05'50.4"E 80NM(015°.75°), 100NM(105°.165°) 60NM FL500				
DINARD PLEURTUIT SAINT MALO	VOR-DME	DIN	114.3 MHz Ch 90X	H24	48°35'09.8"N 002°04'56.4"W 80NM FL500	213 ft	340°/899m THR 35		Radial 338 hors tolérances
EPERNON	VOR-DME	EPR	115.65 MHz Ch 103Y	H24	48°37'32.5"N 001°39'23.6"E 60NM FL500				
EPINAL MIRECOURT	VOR	EPL	113 MHz	H24	48°19'04.2"N 006°03'33.9"E 60NM FL500	1154 ft			
EVREUX FAUVILLE	TACAN	EVX	Ch 71X	H24	49°01'42.7"N 001°12'50.6"E	450 ft			
	VOR	EVX	112.4 MHz	H24	49°01'54.1"N 001°13'15.1"E	456 ft			
FIGEAC LIVERNON	NDB	FC	395 kHz	H24	44°40'15.4"N 001°47'13.1"E 25NM	1105 ft	206°/184m ARP		
GAILLAC-Castelnau de Montmirail	VOR	GAI	115.8 MHz	H24	43°57'14.6"N 001°49'27.0"E 60NM(210°.240°) 100NM FL500	979 ft			
GROSTENQUIN	VOR-DME	GTQ	111.25 MHz Ch 49Y	H24	48°59'11.2"N 006°42'58.4"E 100NM(135°.225°) 60NM FL500	1057 ft			
HERICOURT	NDB	HR	289 kHz	H24	47°33'42.0"N 006°43'56.1"E 30NM				
HYERES LE PALYVESTRE	TACAN	HYE	Ch 27X	H24	43°06'01.1"N 006°08'51.5"E 100NM FL500	7 ft	020°/353 m ARP		
ISTRES LE TUBE	TACAN	ITR	Ch 104X	H24	43°31'33.9"N 004°55'36.9"E FL600	77 ft	026°/463 m ARP		
	VOR-DME	ITS	112.7 MHz Ch 74X	H24	43°30'00.7"N 004°56'24.0"E	52 ft	151°/1.5 NM ARP		
L' AIGLE	VOR-DME	LGL	112.7 MHz Ch 74X	H24	48°47'26.2"N 000°31'49.0"E 60NM FL500	971 ft			
LA ROCHE SURYON LES AJONCS	NDB	YN	334 kHz	H24	46°41'20.8"N 001°17'10.7"W 25NM	360 ft	103°/3,8NM DTHR 28		
LA TOUR DU PIN-Lyon Est	VOR-DME	LTP	115.55 MHz Ch 102Y	H24	45°29'20.3"N 005°26'20.6"E 80NM FL500	2165 ft			



Station	Service	ID	FREQ	HR	Position GEO Portée Coverage	ALT	Situation Location	exploitant operator	Observations Remarks
LANDIVISIAU	TACAN	LDV	Ch 98Y	H24	48°31'41.8"N 004°09'22.7"W				
LANNION	NDB	LN	345 kHz	H24	48°43'09.4"N 003°18'28.0"W 50NM	297 ft	109°35.1 NM DTHR29		
LANVEOC POULMIC	TACAN	BST	Ch 94X	H24	48°17'04.3"N 004°27'07.6"W				
LE LUC LE CANNET	VOR- DME	LUC	113 MHz Ch 77X	H24	43°22'58.0"N 006°15'21.3"E		267°/5,37 NM THR 09		
LEMBEYE	VOR	LMB	111.8 MHz	H24	43°28'00.0"N 000°01'06.3"W 60NM(135°..225°) 40NM FL250	980 ft			
LILLE LESQUIN	VOR- DME	LEQ	109 MHz Ch 27X	H24	50°33'42.4"N 003°05'21.0"E 40NM FL250	163 ft			
LIMOGES	VOR- DME	LMG	114.5 MHz Ch 92X	H24	45°48'57.3"N 001°01'32.1"E 80NM(315°..60°) 100NM FL500	1375 ft			
LORIENT LANN BIHOUE	TACAN	LOR	Ch 105X	H24	47°45'41.3"N 003°26'28.2"W 250NM(195°..255°), 60NM 100NM FL250	171 ft	320°/138 m ARP		
LUXEUIL	VOR	LUL	117.1 MHz	H24	47°41'17.8"N 006°17'44.1"E 80NM				
LUXEUIL SAINT SAUVEUR	TACAN	LXI	Ch 19X	H24	47°46'59.4"N 006°21'25.6"E 60NM FL250	932 ft			
LYON SAINT EXUPERY	VOR- DME	LSE	114.75 MHz Ch 94Y	H24	45°44'43.9"N 005°05'26.1"E 140NM(135°..255°) 100NM FL500	820 ft			
MARSEILLE PROVENCE	NDB	MJ	406 kHz	H24	43°26'17.7"N 005°12'59.1"E 50NM FL500	72 ft	925°/912m DTHR 31R		
	NDB	OB	395 kHz	HO	43°13'47.4"N 005°39'55.5"E 50NM	1562 ft			
	VOR- DME	MRM	108.8 MHz Ch 25X	H24	43°22'38.4"N 005°19'35.2"E 60NM(270°..90°) 100NM FL500	771 ft	122°/5,6NM DTHR 31R	Fluctuation occasionnelle du signal VOR dans le secteur Sud du moyen.	
MARTIGUES	VOR- DME	MTG	117.3 MHz Ch 120X	H24	43°23'10.7"N 005°05'12.6"E 200NM(135°..225°) 100NM FL500	650 ft			
MELUN VILLAROCHE	VOR- DME	MLN	113.6 MHz Ch 83X	H24	48°27'20.8"N 002°48'47.8"E 40NM FL250				
MENDE-Nasbinals	VOR- DME	MEN	115.3 MHz Ch 100X	H24	44°36'30.1"N 003°09'44.7"E 100NM FL500	4514 ft			
MONTDIDIER	VOR	MTD	113.65 MHz	H24	49°33'09.5"N 002°29'22.1"E 60NM(105°..165°) 40NM				
MONTELMAR ANCONE	VOR- DME	MTL	113.65 MHz Ch 83Y	H24	44°33'17.8"N 004°46'47.5"E 100NM FL500	656 ft			
MONTMEDY-Dun sur Meuse	VOR	MMD	109.4 MHz	H24	49°23'28.5"N 005°07'27.9"E 100NM(45°..135°), 40NM(135°..225°) 60NM FL500	1076 ft			
MONTPELLIER MEDITERRANEE	VOR- DME	FJR	114.45 MHz Ch 91Y	H24	43°34'42.1"N 003°58'29.0"E 80NM(225°..345°) 60NM FL500	7 ft	317°/880m THR 30R		
MONTS D'ARREE	VOR	ARE	112.5 MHz	H24	48°19'57.5"N 003°36'08.9"W 60NM FL250	588 ft			
MOULINS	VOR- DME	MOU	116.7 MHz Ch 114X	H24	46°42'24.4"N 003°37'54.0"E 80NM FL500	699 ft			
NANCY OCHEY	TACAN	NAY	Ch 115X	H24	48°35'01.1"N 005°57'06.6"E				
NANTES ATLANTIQUE	VOR- DME	NTS	115.5 MHz Ch 102X	H24	47°09'39.1"N 001°36'46.7"W 100NM(315°..45°) 150NM FL500	92 ft	252°/740m DTHR 21		
NEVERS	VOR	NEV	113.4 MHz	H24	47°09'10.8"N 002°55'45.7"E 60NM(45°..135°) 80NM FL500	631 ft			
NICE COTE D'AZUR	NDB	MUS	428 kHz	H24	43°23'04.5"N 006°36'22.9"E 40NM	1500 ft			
	VOR- DME	NIZ	112.4 MHz Ch 71X	H24	43°46'14.3"N 007°15'15.8"E 200NM(135°..225°) 150NM FL500	2822 ft			
ORLEANS SAINT DENIS DE L'HOTEL	NDB	ORS	322 kHz	H24	47°56'14.6"N 002°14'33.5"E 25NM	432 ft	053°/3,45 NM THR 23		
PERPIGNAN RIVESALTES	VOR- DME	PPG	116.25 MHz Ch 109Y	H24	42°45'01.7"N 002°52'01.7"E 100NM(45°..135°) 80NM FL500	151 ft	131°/603 m THR 15		ALT VOR 128

Station	Service	ID	FREQ	HCR	Position GEO Portée Coverage	ALT	Situation Location	exploitant operator	Observations Remarks
PITHIVIERS	VOR	PTV	116.5 MHz	H24	48°09'20.1"N 002°15'53.2"E 40NM(270°.90°) 100NM FL500	424 ft			
POITIERS BIARD	VOR	POI	113.3 MHz	H24	46°34'51.6"N 000°17'53.5"E 60NM FL500	441 ft	316°/213m THR 03		
PONTOISE CORMEILLES EN VEXIN	VOR	PON	111.6 MHz	H24	49°05'45.9"N 002°02'09.2"E 60NM (314°.44°) 40NM FL500	318 ft	034°/1113m THR 05		
QUIMPER PLUGUFFAN	VOR- DME	QPR	117.8 MHz Ch 125X	H24	47°57'26.2"N 004°11'05.0"W 150NM FL500	315 ft	231°/1.53 NM THR 28		
RAMBOUILLET-Les Bordes	VOR- DME	RBT	114.7 MHz Ch 94X	H24	48°39'14.2"N 001°59'39.2"E 110NM(135°.225°) 60NM FL500	604 ft			
REIMS	VOR	REM	112.3 MHz	H24	49°18'41.9"N 004°02'43.3"E 60NM FL500	335 ft			
RENNES SAINT JACQUES	VOR- DME	REN	109.25 MHz Ch 29Y	H24	48°04'09.3"N 001°44'30.0"W 150NM FL500	126 ft			
ROANNE	VOR	ROA	110.25 MHz	H24	46°03'33.0"N 003°59'57.4"E 60NM FL250	1095 ft	223°/450m THR 20		
ROLAMPONT	VOR- DME	RLP	117.3 MHz Ch 120X	H24	47°54'22.7"N 005°14'57.0"E 120NM(105°.165°) 60NM FL500	1490 ft			
ROUEN VALLEE DE SEINE	VOR	ROU	116.8 MHz	H24	49°27'56.3"N 001°16'50.3"E 40NM FL250	560 ft	040°/5.9NM THR 22		
SAINT DIZIER ROBINSON	TACAN	SDI	Ch 87X	H24	48°38'13.2"N 004°53'21.1"E	447 ft	133°/507 m THR 11		
SAINT INGLEVERT	NDB	ING	387 kHz	H24	50°52'59.4"N 001°44'30.5"E 50NM FL500	475 ft			
SAINT TROPEZ	VOR- DME	STP	116.5 MHz Ch 112X	H24	43°13'10.1"N 006°36'06.5"E 200NM(90°.270°) 60NM FL500	1089 ft			
SAINTE LEOCADIE	NDB	SAL	418 kHz	H24	42°26'47.9"N 002°00'44.7"E 25NM				
SAUVETERRE DE GUYENNE	VOR	SAU	116.8 MHz	H24	44°40'36.5"N 000°09'10.5"W 100NM(315°.45°) 60NM FL500	405 ft			
SAVERNE	VOR- DME	SAV	110.45 MHz Ch 41Y	H24	48°47'46.5"N 007°26'52.7"E 60NM FL250	1021 ft			
SOLENZARA	TACAN	SZA	Ch 87X	H24	41°56'14.9"N 009°23'58.4"E 200/60 200NM FL500	10 ft	284°/476m THR 18		
STRASBOURG ENTZHEIM	VOR- DME	STR	115.6 MHz Ch 103X	H24	48°30'19.4"N 007°34'19.1"E 150NM(135°.225°). 60NM(045°.135°) 100NM FL500	577 ft			
TARBES	VOR- DME	TBO	113.9 MHz Ch 86X	H24	43°19'56.0"N 000°08'44.7"E 80NM FL500	1039 ft	037°/10.6 NM THR 20		
THIERS	VOR- DME	TIS	117.5 MHz Ch 122X	H24	45°52'54.6"N 003°33'12.9"E 60NM FL250	2258 ft			
TOULOUSE BLAGNAC	VOR- DME	TOU	117.7 MHz Ch 124X	H24	43°40'51.0"N 001°18'35.3"E 120NM(195°.255°) 70NM FL500	574 ft			
TOURS VAL DE LOIRE	TACAN	TUR	Ch 85X	HX	47°25'19.9"N 000°43'51.2"E 150NM	387 ft	086°/567m THR 02		
TOUSSUS LE NOBLE	VOR	TSU	108.25 MHz	H24	48°45'13.4"N 002°06'08.5"E 100NM(134°.314°) 80NM FL500	547 ft	043°/386m THR 07L		
TROYES BARBEREY	VOR	TRO	116 MHz	H24	48°15'04.4"N 003°57'47.3"E 60NM FL500	861 ft			
VIENNE REVENTIN	VOR	VNE	108.2 MHz	H24	45°33'23.2"N 004°53'00.3"E 40NM FL250	945 ft			

### ENR 4.4 INDICATIFS CODES DES POINTS SIGNIFICATIFS

#### NAME-CODE DESIGNATORS FOR SIGNIFICANT POINTS

Code	Position GEO	Routes ATS ATS routes
ABADO	45°39'21.0"N 005°17'35.0"E	
ABADU	46°54'10.8"N 002°27'12.1"W	
ABAMU	49°23'49.9"N 000°15'29.3"W	
ABARI	47°24'59.0"N 006°56'33.0"E	UL856
ABDIL	44°09'09.0"N 005°20'31.0"E	R161 , T43
ABDOS	47°39'57.0"N 002°31'47.0"E	G54 , R31
ABDUX	43°51'30.0"N 004°59'15.0"E	
ABEVA	46°24'23.0"N 006°05'58.0"E	
ABILI	43°34'04.0"N 005°40'29.0"E	Q302 UY373
ABIXI	46°31'54.3"N 002°19'55.2"W	
ABLAK	43°30'05.0"N 005°26'18.0"E	P856 , Q302 UY122 , UY373
ABLAN	47°18'49.0"N 001°25'25.0"W	
ABLIS	44°03'53.8"N 001°28'54.5"E	
ABNUR	50°10'17.0"N 001°51'30.7"E	UM976 , UT10
ABOBO	48°30'34.6"N 002°11'29.5"E	
ABORO	48°31'26.9"N 002°24'54.3"E	
ABOTI	48°26'58.3"N 001°54'13.8"W	
ABRET	45°28'29.9"N 005°30'03.1"E	
ABRIX	43°38'47.0"N 001°57'45.0"W	UN858
ABROM	50°29'30.9"N 002°29'25.3"E	
ABRON	42°36'51.0"N 008°08'52.0"E	UM622 , UM733 , UN850 , UT250
ABRUL	49°13'22.0"N 003°33'20.2"W	
ABSEGE	48°15'38.7"N 003°52'33.9"E	
ABSIE	46°35'00.0"N 000°27'30.0"W	G54 , R66
ABSIN	42°35'58.0"N 009°37'22.0"E	
ABSIS	49°32'31.2"N 001°32'42.7"E	
ABUDA	50°06'59.0"N 001°45'27.1"E	
ABULO	45°34'27.0"N 006°59'42.0"E	T345
ADABI	46°33'40.0"N 000°31'51.0"E	R66 UN858 , UY156
ADADA	48°17'42.0"N 002°00'13.0"E	R106 UL167
ADATI	48°03'11.2"N 002°28'27.7"E	
ADATU	45°32'14.0"N 002°49'32.0"E	UM616
ADEKA	45°56'29.7"N 003°10'48.3"E	UP860 , UT18 , UZ161 , UZ271
ADEVA	44°15'00.0"N 003°15'42.0"E	
ADIDI	48°43'17.1"N 002°06'02.7"W	
ADILU	46°07'27.0"N 000°50'22.0"W	UN863
ADIMO	43°29'31.2"N 001°54'31.5"E	
ADITA	43°13'42.8"N 005°49'43.9"E	UL127 , UN870 , UZ153 , UZ188 , UZ192
ADIVA	43°29'55.0"N 004°56'15.8"E	
ADNOR	50°01'02.1"N 002°24'22.5"E	
ADOGA	48°01'08.0"N 007°26'57.0"E	
ADRUD	49°10'14.0"N 006°26'55.0"W	UN512 , UT7
ADSER	43°14'30.0"N 001°12'11.0"E	
ADSET	47°24'21.0"N 003°07'03.0"W	T499 UT499 , UT512
ADSUD	49°52'55.9"N 002°27'35.0"E	
ADUDU	43°20'41.0"N 007°11'21.0"E	N86 , P856
ADUTO	50°30'54.0"N 003°21'42.0"E	N873 UN873
AFRIC	43°46'27.0"N 002°52'09.0"E	G39 , G393 , J27
AGAKI	42°48'17.0"N 005°01'25.0"E	B16 , Z152
AGANO	49°39'54.0"N 002°00'00.0"W	
AGDEG	47°57'53.0"N 003°15'46.9"W	
AGENO	43°29'23.2"N 001°16'28.1"E	
AGEVU	43°52'04.0"N 006°39'50.0"E	G374
AGLAX	49°57'24.7"N 002°26'59.2"E	
AGOPA	48°05'00.0"N 002°00'35.0"E	R106 UL167
AGOTO	42°26'18.0"N 005°42'35.0"E	UM985 , UT175
AGOTU	47°47'23.0"N 002°04'14.0"W	
AGREV	45°03'51.0"N 004°19'02.7"E	G53 , R31
AHVEC	48°49'19.2"N 002°44'44.9"E	UN857

Code	Position GEO	Routes ATS <i>ATS routes</i>
AKELU	49°22'01.0"N 006°27'50.0"E	N852 , V36
AKEMO	47°08'21.0"N 003°00'00.0"W	UN461 , UN471 , UN868
AKEPO	43°18'57.4"N 000°08'17.9"W	
AKIKI	49°35'29.0"N 001°25'00.0"W	G27 , N867 UM189 , UN867 , UY120
AKITO	47°12'48.0"N 006°38'55.5"E	UZ24
AKONO	47°42'56.3"N 004°35'22.2"E	UM729
AKUNU	43°07'58.5"N 003°22'23.8"E	
AKUTI	43°13'38.0"N 008°56'25.0"E	A9 , G702 , R16 UM616 , UM858
ALARO	47°29'47.2"N 004°44'56.5"E	
ALBER	42°27'05.0"N 002°49'56.0"E	B384 UP84
ALESO	50°34'32.0"N 001°13'32.0"E	T20 UT10
ALIMO	48°42'57.0"N 003°55'56.0"E	A6 , B13
ALISO	42°55'40.0"N 009°36'14.4"E	P856
ALIVA	43°55'58.8"N 001°08'49.3"E	
ALTIK	47°38'58.7"N 007°07'50.3"E	
ALULO	47°18'05.0"N 004°48'19.0"W	
ALURA	46°30'00.0"N 004°57'09.7"E	A6
ALUTA	49°00'19.0"N 007°29'53.0"W	
AMAXA	49°46'28.2"N 002°41'50.8"E	
AMDAS	45°40'54.4"N 003°44'34.7"E	
AMFOU	43°35'45.0"N 006°06'04.0"E	A3 , Q302 , R161 , Y22 UY22
AMGEL	43°49'55.4"N 007°22'28.7"E	
AMGIM	47°44'50.4"N 003°43'01.5"W	
AMIKO	45°07'41.0"N 004°28'59.4"E	A3 , G53
AMIRO	43°56'27.7"N 006°44'52.9"E	Z206
AMKEN	46°10'57.2"N 005°22'46.2"E	
AMLIR	44°26'35.1"N 003°09'54.0"E	UM731 , UT18
AMODO	48°25'10.0"N 002°58'49.0"E	UH10 , UM729
AMOLO	43°49'40.6"N 002°34'43.5"E	G39 UT24
AMONI	45°04'02.0"N 004°49'57.0"E	V44
AMOPO	48°46'25.9"N 003°13'56.4"W	
AMORO	46°30'00.0"N 004°32'17.0"E	A2 UT133 , UT140
AMPES	41°24'37.0"N 008°07'15.0"E	M623 UM623
AMPUM	49°32'26.6"N 005°48'48.1"E	Z110
AMUGU	49°04'50.7"N 002°03'21.8"W	
AMUVA	46°02'27.0"N 003°18'33.0"W	
AMVAR	45°19'50.0"N 005°56'14.0"E	Z40 UZ40
ANDLO	48°23'45.5"N 007°22'59.6"E	
ANETO	42°41'35.0"N 000°33'30.0"E	UN860
ANGLO	49°55'42.0"N 000°27'18.0"W	G27 , G273 UM189 , UZ273
ANIGU	47°32'11.0"N 000°31'53.0"W	V30
ANLEV	48°41'37.0"N 003°03'00.0"W	T120
ANNET	49°39'05.0"N 004°00'05.0"W	UL722 , UM25
APRRUR	41°22'22.0"N 007°16'20.4"E	T175 UT175
ARBON	45°16'59.8"N 004°53'24.6"E	
ARBOS	46°59'03.0"N 006°01'35.0"E	UL47 , UV25
ARDEG	44°40'09.0"N 004°32'15.0"E	T121 UT121 , UZ168
ARDEN	49°51'43.0"N 004°51'28.0"E	
ARDOD	47°43'53.0"N 000°54'21.0"W	A5 , T15 UN873 , UZ15
ARDOL	46°45'05.0"N 004°38'15.0"E	UM733
ARFOZ	46°46'58.0"N 005°05'42.0"E	UN854
ARGED	48°55'47.0"N 000°15'00.0"W	H490 UN502 , UT494
ARGIS	45°58'16.0"N 005°35'57.0"E	G5 , Z66 UY305 , UZ66
ARKIP	47°38'00.0"N 002°02'11.0"E	R106 UL167
ARKOX	45°26'24.0"N 005°18'27.0"E	UN871
ARLET	43°15'39.0"N 005°19'45.2"E	
ARLOP	46°16'26.0"N 004°09'23.0"E	
ARLOR	48°37'38.4"N 002°37'54.1"W	
ARMAL	47°20'27.0"N 002°03'11.0"E	UL167
ARMAX	45°01'42.9"N 001°44'42.1"E	
ARMIV	44°06'56.6"N 004°50'43.3"E	
ARNAV	47°12'24.0"N 001°47'25.0"E	

Code	Position GEO	Routes ATS ATS routes
ARNEV	47°56'57.1"N 000°29'31.4"W	
ARNOT	47°24'08.0"N 006°55'12.0"E	G434 UN176
ARPIL	45°41'09.7"N 000°41'52.3"E	
ARPOB	45°55'44.6"N 005°03'49.2"E	
ARPUS	47°40'21.3"N 006°39'56.8"E	A242 , G42 UM139 , UN852 , UZ24
ARSAF	49°21'02.6"N 002°08'03.0"E	UN874
ARSIG	43°18'56.0"N 000°26'50.9"W	
ARSIL	48°33'36.0"N 004°03'42.0"E	A6 , B13 , G40
ARSOM	46°08'14.0"N 003°25'11.0"E	J924 , Y600
ARSUK	48°46'09.2"N 000°41'04.2"E	
ARTAX	46°15'27.0"N 001°47'00.0"E	UL167 , UN857
ARTIV	48°52'02.0"N 001°52'04.0"W	
ARVEL	43°27'08.0"N 002°02'30.0"E	
ARVID	43°04'33.6"N 001°27'52.9"W	
ARVOL	50°32'45.0"N 003°29'49.0"E	Z173 , Z373 UZ173 , UZ373
ASBAR	50°23'36.0"N 003°21'53.0"E	
ASGUN	49°11'05"N 003°25'40"E	
ASKAG	41°47'25.0"N 009°45'00.0"E	
ASKAN	45°02'40.0"N 001°02'23.0"W	
ASLEG	45°45'09.0"N 006°09'15.0"E	T45 UT45
ASPET	43°00'00.0"N 000°58'47.0"E	A29 UN863
ASRUL	48°43'06.2"N 003°50'42.1"E	
ASSEQ	46°13'23.6"N 006°30'56.6"E	B46
ASTEG	43°24'51.8"N 004°07'55.6"E	
ASVOK	48°57'33.5"N 001°29'42.8"E	
ATGAL	48°57'34.7"N 000°15'15.7"W	
ATGEB	48°41'09.1"N 001°39'18.4"W	
ATGIV	49°58'35.5"N 000°53'11.2"E	
ATGUS	40°55'02.0"N 006°38'58.0"E	UM601 , UN851
ATLEN	44°30'19.3"N 004°56'51.0"W	UN872
ATMAD	45°13'09.0"N 007°00'09.0"E	UM730
ATMOS	49°26'20.3"N 000°03'31.7"W	
ATNIS	48°23'29.0"N 001°27'43.0"W	T501
ATNUL	48°35'05"N 006°41'59"E	
ATREX	49°47'07.0"N 002°22'07.0"E	J22 UT225
ATRID	46°50'55.0"N 003°24'31.0"E	A3 , Y600
ATSUP	45°44'33.9"N 002°57'09.7"E	UN855
AUCHE	43°39'05.0"N 000°33'30.0"E	G5 , G17
AULON	44°22'43.0"N 001°38'51.0"E	G36
AVLON	47°33'36.0"N 003°48'48.0"E	A2 , B373 UM976 , UT18
BABAT	46°54'57.7"N 002°37'27.0"W	
BABED	43°18'54.0"N 008°36'01.0"E	UM616
BABOG	47°30'51.0"N 001°22'09.9"E	
BADAM	44°05'11.0"N 003°10'14.0"E	UT18 , UY27 , UZ151
BADBA	43°59'24.0"N 007°39'48.0"E	UZ185
BADET	43°27'50.6"N 004°29'45.4"E	
BADGI	49°50'26.0"N 002°40'53.6"E	
BADOD	44°12'49.3"N 006°31'43.6"E	UZ12
BADPO	43°39'33.1"N 007°34'07.7"E	
BADUR	48°42'39.0"N 002°57'04.0"W	G27 , T120 UN90 , UN472 , UN585
BAGAD	47°35'00.0"N 002°52'52.0"W	H34
BAGAP	45°44'18.0"N 005°55'45.0"E	
BAGBI	46°48'52.0"N 004°35'48.0"E	UM733 , UT133
BAGEK	49°30'11.3"N 000°15'37.0"W	
BAGIB	46°31'07.0"N 002°09'45.4"W	
BAGRO	43°12'35.4"N 000°05'50.2"W	
BAGSU	41°29'53.0"N 009°13'31.0"E	
BAKIX	48°20'13.2"N 007°03'10.4"E	
BAKNO	46°30'00.0"N 003°31'53.3"E	A27
BAKTA	43°50'12.0"N 001°06'10.0"W	
BAKUL	47°20'49.0"N 001°38'17.0"W	UN873 , UY110
BAKUP	44°24'45.0"N 004°26'10.0"W	UZ218

Code	Position GEO	Routes ATS <i>ATS routes</i>
BALAN	46°30'58.0"N 001°02'00.0"E	A34 , R10 , R66 UL152 , UN859 , UZ209
BALDA	44°36'35.0"N 005°33'11.0"W	UN480
BALEN	40°56'48.0"N 005°41'24.0"E	M601 UM154 , UM601 , UM739 , UM989 , UM998 , UN736 , UN850 , UN854 , UT250
BALIV	47°40'12.5"N 001°30'41.7"E	
BALMO	42°25'00.0"N 004°35'07.0"E	A6 , N86
BALMU	47°50'48.2"N 004°38'22.9"E	A6 , R11
BALNI	47°37'05.0"N 001°40'26.0"W	R14 , T497
BALRU	43°28'47.1"N 003°42'35.1"E	
BALSI	45°28'38.6"N 005°57'38.8"E	R226 UN852 , UP860 , UY11 , UY16 , UY36
BAMDI	42°46'34.5"N 008°47'30.4"E	
BAMES	48°58'31.0"N 001°29'10.0"E	UN874 , UT191
BAMEV	47°50'07.2"N 007°23'06.2"E	UT27
BAMGO	42°52'56.1"N 003°02'25.3"E	
BANEK	45°46'37.0"N 005°52'10.0"E	
BANKO	45°49'12.0"N 007°03'17.0"E	A1 , B37 UL50
BANOX	48°34'27.1"N 001°30'19.8"E	T116
BANTI	49°55'27.0"N 001°37'34.0"E	H20 , H22
BANUS	45°19'46.6"N 004°28'38.1"E	
BARAN	45°45'19.4"N 005°12'20.7"E	A2
BARAT	43°00'15.6"N 005°02'28.7"E	
BARAX	47°32'28.8"N 001°32'19.1"E	
BAREV	47°58'03.0"N 003°38'16.0"W	
BARIL	42°29'58.0"N 009°19'30.0"E	
BARLI	50°25'35.0"N 002°46'15.0"E	
BARSO	44°08'37.0"N 006°53'25.3"E	UM622 , UM623 , UM733
BASIK	48°57'13.0"N 002°57'04.0"W	UN26 , UN90 , UN491 , UN621
BASIP	43°53'32.0"N 007°57'42.0"E	
BASLI	44°06'52.9"N 002°59'15.0"E	J27
BASUD	47°22'18.3"N 007°37'28.5"E	
BASVA	47°41'54.7"N 004°25'23.7"W	
BATAG	48°49'22.1"N 003°22'20.2"E	
BATEX	43°40'11.0"N 005°43'11.0"E	Y30 UY30
BATIV	42°07'26.0"N 006°24'37.0"E	UM731 , UN736
BAVOL	49°06'20.0"N 003°39'42.0"E	A6 , B13
BAVON	40°15'58.0"N 006°03'22.0"E	UM603 , UN854
BAXIR	48°47'26.0"N 003°52'11.7"E	A6 , B13
BAZOS	49°30'55.3"N 001°55'31.2"E	UN873
BEBEV	42°13'01.0"N 008°26'44.0"E	L978 , M622 , Y48 UL978 , UM733
BEBIX	45°56'57.0"N 001°23'59.0"E	UM129 , UM616 , UN857 , UP860
BEDVA	48°06'52.4"N 003°54'01.4"E	
BEGAR	47°54'30.0"N 007°35'00.0"E	UL15 , UN491 , UZ343
BEKOS	48°48'42.0"N 003°32'53.0"E	
BEKRI	46°08'38.6"N 004°25'41.6"E	
BELDI	49°57'20.0"N 002°35'04.0"E	UN873 , UY473
BELEN	43°54'51.0"N 002°44'19.0"W	UP87
BELEP	45°47'30.0"N 004°07'54.0"E	A3 , H38 UP860
BELIG	43°16'02.0"N 000°00'50.0"E	
BELOB	50°42'34.0"N 003°12'52.0"E	UY873
BELPA	44°59'32.0"N 001°56'43.0"E	
BELUS	45°40'31.0"N 005°35'38.0"E	B16 , Z87 UZ87 , UZ116
BELVU	45°57'09.2"N 004°02'42.0"E	A3
BEMAX	46°09'56.0"N 000°45'35.0"W	
BENAR	48°15'11.0"N 000°44'40.0"E	A34 , H20 , T17 UN859
BENIX	49°32'48.0"N 001°29'24.0"W	G27 , G271 , G272
BEPER	44°38'17.0"N 005°12'54.0"E	T43 UM728 , UT43
BEPMI	46°09'08.0"N 002°30'00.0"E	V13
BERAD	48°18'07.0"N 004°03'42.0"W	UM30 , UM142 , UN490 , UN511 , UN512 , UN866
BERNO	49°05'00.0"N 000°38'00.0"E	N160
BERUG	48°37'17.0"N 006°55'54.8"E	V32
BETOB	46°34'48.0"N 000°15'00.0"W	G54 , R66
BETOV	49°40'13.2"N 001°13'54.9"E	

Code	Position GEO	Routes ATS ATS routes
BETUV	48°57'16.0"N 003°07'20.0"W	Y491 UN491 , UY111
BEVAV	49°04'01.0"N 001°41'26.0"W	G273 , G274 , T496 UZ273
BEVEN	45°41'19.0"N 005°58'22.0"E	R226
BEVOL	47°00'43.0"N 000°55'51.0"E	UT158
BEVTO	44°28'54.3"N 002°20'15.8"E	
BIBAX	50°03'27"N 001°00'29"E	M605 UM605
BIBDO	44°09'05.0"N 001°57'55.0"E	V12
BIBOT	46°45'05.0"N 006°24'37.0"E	UL153
BIDAC	43°25'02.4"N 001°08'08.4"W	G17
BILGO	49°54'07.0"N 003°26'50.0"E	B3 , H20
BINTO	43°06'12.9"N 005°19'39.8"E	
BIRGO	43°23'30.0"N 006°07'11.0"E	G701 , V35
BIRSO	47°49'56.8"N 000°30'53.5"W	
BISBI	44°03'55.0"N 002°27'22.0"E	
BISBO	43°27'44.4"N 007°09'48.5"E	
BISKI	42°46'34.9"N 008°47'31.0"E	
BIVLO	46°11'49.8"N 006°15'13.8"E	
BIVSO	45°09'58.0"N 001°18'35.0"E	
BLONA	45°00'30.9"N 006°46'38.3"E	UL55 , UN853
BOBMA	50°18'45.1"N 003°08'53.1"E	
BOBRI	46°50'18.0"N 001°11'25.0"W	A53 , R66
BOBSA	48°29'45.0"N 000°38'54.0"E	A34 , H20
BOBSI	46°19'26.6"N 004°59'06.7"E	A6 , J32 , T112
BODIL	48°31'23.4"N 004°05'09.3"W	T120
BODRU	44°12'31.0"N 006°22'40.0"E	UM616 , UN853
BOGRO	43°18'41.0"N 000°45'00.0"E	
BOGVA	49°28'26.9"N 001°28'01.4"E	
BOKNO	47°02'49.0"N 000°41'30.0"E	UN858 , UZ209
BOLBA	43°22'12.8"N 006°58'56.1"E	
BOLGI	46°40'04.0"N 005°56'18.0"E	UN852 , UZ24
BOLGU	45°55'56.0"N 000°03'38.0"W	UT183
BOLLY	48°05'31.0"N 004°09'04.0"E	B37 , Z318 UM729 , UT15
BOLRO	50°00'00.0"N 001°41'29.0"W	UP87
BOLSA	43°20'02.8"N 003°18'54.4"E	UT21 , UZ38 , UZ539
BORDI	44°01'23.0"N 007°45'07.0"E	N736
BORGO	43°08'46.3"N 004°46'14.7"E	
BOXXO	49°26'56.0"N 002°00'35.0"E	
BREMO	42°20'00.0"N 009°34'37.0"E	
BRUSC	43°44'51.0"N 003°01'24.0"E	A27 , G393
BUBLI	48°46'17.8"N 004°09'00.0"E	UG42
BUGUS	45°00'00.0"N 000°57'38.0"E	A34
BUKID	40°53'48.0"N 007°11'56.0"E	M601 UM2 , UM601 , UT450 , UT451
BULOL	46°02'44.7"N 005°05'30.9"E	T112 UM733 , UN854 , UZ12
BULOX	48°33'00.0"N 000°46'00.0"W	UN29 , UZ57
BULTO	43°16'25.0"N 004°54'12.0"E	Y341 , Z154 UY341 , UY342
BUNAV	46°30'00.0"N 008°45'00.0"W	UN536
BUNAX	42°39'16.0"N 008°39'11.0"E	
BUNOR	49°10'51.8"N 002°34'24.7"E	
BUNOT	48°03'09.3"N 001°29'40.0"W	
BUROD	43°25'12.0"N 006°23'18.0"E	UP856
BUROX	43°37'50.0"N 001°15'18.0"E	
BUSIL	46°17'37.0"N 004°43'19.0"E	A2 , J34 UT133
BUSUK	48°51'19.0"N 000°42'48.0"E	UN160 , UT176
BUZIK	48°54'08.6"N 002°39'13.9"E	
BUZUC	48°02'03.0"N 006°41'50.0"E	R112
CACHI	47°04'00.0"N 004°06'24.0"E	A2 , G21 , Y600 UM976
CALAN	43°05'39.5"N 005°19'59.4"E	
CALNO	42°47'58.0"N 008°21'52.0"E	A32
CAMBO	49°17'30.0"N 005°51'35.0"W	UP620
CANSU	49°00'00.0"N 000°00'00.0"W	
CAPCO	42°50'50.3"N 009°34'28.2"E	A3 UL127
CERVI	45°58'12.0"N 007°32'43.0"E	UM872

Code	Position GEO	Routes ATS ATS routes
CHABY	47°47'48.0"N 003°56'55.0"E	UH10 , UM733
CHALA	45°21'19.0"N 000°07'51.0"E	UM184 , UY120
CIRTA	39°00'00.0"N 007°02'00.0"E	UM2
COHPA	48°26'39.6"N 002°51'03.5"E	UM729
COLLO	45°56'35.0"N 005°51'18.0"E	
COQUE	47°04'45.0"N 004°59'26.0"W	UN462 , UN471 , UN536 , UN866
CORMA	43°55'17.9"N 000°12'17.8"W	
CORSI	41°20'00.0"N 008°48'42.0"E	A9 UM733 , UM858
CREIL	49°15'19.0"N 002°30'53.2"E	
CUERS	43°13'34.0"N 006°08'04.0"E	G7 , V35
DAMLO	47°23'45.0"N 001°41'13.0"W	
DANAR	48°04'04.0"N 006°03'13.0"E	UL47
DANBO	45°55'18.3"N 005°03'31.4"E	A2 , A6 UT133
DEFAY	48°25'06.6"N 005°07'07.7"E	
DEGAX	46°03'55.4"N 000°54'39.7"W	
DEGEX	47°44'38.0"N 003°09'24.0"W	H34 UN482 , UN490 , UT183
DEGOL	43°46'50.0"N 002°51'07.9"E	UN855 , UT24
DEGUK	44°06'30.0"N 000°43'51.0"E	R17 , T258
DEKOD	48°17'00.0"N 002°06'00.0"E	UN857
DEKOR	49°00'26.0"N 005°55'59.0"W	UN491 , UN512 , UP620 , UT37
DELOG	44°19'44.0"N 003°59'15.0"W	UN864 , UN873
DELOM	50°18'53.0"N 004°05'22.8"E	UZ319
DELUG	47°47'12.1"N 007°23'30.4"E	
DEMOM	49°32'53.2"N 000°07'51.0"W	
DENEL	48°21'55.0"N 007°53'03.0"E	
DENIN	50°22'12.0"N 003°25'48.0"E	
DENTA	41°40'31.0"N 008°20'52.0"E	
DEPES	44°07'24.0"N 002°09'52.0"E	G5
DEPOM	47°19'04.0"N 002°10'45.0"E	G54 UN857
DEPUL	45°55'30.0"N 005°29'40.0"E	G5 UY305
DEREM	46°21'23.9"N 006°10'34.5"E	Z62
DEROL	48°40'39.4"N 002°06'56.1"E	
DESAB	45°49'49.0"N 002°57'33.0"W	UN460 , UN867 , UN873 , UT176
DETUN	47°04'17.0"N 004°38'52.0"E	
DETUR	48°56'21.0"N 000°57'11.0"E	A361
DEVAL	50°51'25.0"N 001°28'00.0"E	N57
DEVDI	47°44'20.0"N 007°32'52.0"E	
DEVIM	49°27'00.6"N 003°37'56.0"E	Z157
DEVRO	47°29'44.0"N 000°44'19.0"E	UN858
DEXEV	46°58'50.5"N 002°10'37.4"E	
DIBAG	45°47'22.0"N 000°47'15.0"E	UN460 , UT210
DIBER	42°04'47.0"N 004°24'54.0"E	A6 UN870
DIBES	47°30'27.0"N 001°06'17.0"E	UN482 , UT158
DIBEX	47°53'24.6"N 006°02'45.7"E	UL47
DIBOT	48°36'39.8"N 007°11'44.8"E	
DIDAK	48°15'35.0"N 000°15'00.0"W	A5 UN872 , UZ15
DIDGO	48°07'31.8"N 004°02'55.5"E	
DIDOR	49°18'49.1"N 003°16'55.4"E	UL613 , UT10
DIDOS	48°39'12.0"N 002°26'44.7"E	
DIDRU	46°10'54.0"N 000°01'52.0"E	UM616
DIGPO	43°30'55.5"N 000°18'01.9"E	UN995
DIKEL	41°32'53.0"N 009°06'49.0"E	P980 UP980 , UZ800
DIKOL	49°08'15.0"N 004°02'57.0"E	B3 , J10
DIKRO	49°35'05.0"N 001°06'39.0"W	G273 , V2 , V3 UM184 , UM185 , UN861 , UT510 , UZ273
DILAB	48°02'42.1"N 005°48'15.3"E	UM129
DILRA	45°51'00.0"N 001°13'32.0"W	UN470
DIMAD	43°18'04.3"N 007°16'40.8"E	
DIMAL	50°29'33.2"N 001°21'58.8"E	T20 UT10 , UT426
DINAN	49°49'55.0"N 005°19'53.0"E	
DINIG	46°29'43.0"N 005°53'26.0"E	Y55
DINIP	48°52'54.4"N 001°50'44.3"W	
DINOQ	48°40'11.2"N 001°44'49.5"W	



Code	Position GEO	Routes ATS ATS routes
DINOX	46°40'00.0"N 006°07'11.0"E	A1 , V31
DINVI	48°49'25.1"N 001°59'29.2"W	
DIPER	50°20'45.0"N 002°03'41.0"E	B24 , L613 UL613
DIPIR	46°40'09.0"N 005°35'35.0"E	B37 , V25 UB37 , UV25
DIPKA	51°02'30.2"N 002°11'00.9"E	
DIRAX	44°33'07.7"N 000°27'15.8"W	
DIRBA	46°00'00.3"N 004°30'09.4"E	
DIRGO	48°50'05.2"N 002°07'02.8"W	
DIRMO	47°05'21.0"N 002°11'32.0"E	UN855 , UN857 , UZ365
DISAK	48°08'00.0"N 002°07'54.0"E	UN857
DISIS	43°32'31.0"N 000°12'53.0"E	G17 , T259
DITAL	48°44'41.0"N 000°53'21.0"E	UN491 , UN872 , UN873
DITEV	44°29'01.2"N 002°54'09.3"E	UN855 , UN871 , UT122
DIVDA	47°57'33.0"N 003°48'31.0"E	J301 , T11
DIVED	49°13'08.3"N 006°42'48.5"E	
DIVKO	43°03'22.2"N 004°46'36.9"E	G7 , M731 UM154 , UM731 , UM984 , UM989 , UN852 , UN975 , UP132 , UT21 , UT161 , UT175 , UY268 , UZ193 , UZ194
DIVOK	48°36'02.6"N 003°47'46.5"W	
DIVON	49°34'01.6"N 001°51'07.0"E	
DIVUL	43°18'07.0"N 007°37'17.0"E	G374 , M622 , P856 UM622 , UM728 , UM733 , UP856
DIXAD	46°52'12.0"N 001°35'00.0"W	UY110
DOBEG	48°36'09.2"N 007°24'04.8"E	
DOBIK	48°36'49.8"N 003°23'13.6"E	
DOBIM	42°57'14.0"N 009°45'00.0"E	R16 UM616
DODIM	49°15'45.6"N 000°27'17.1"E	
DODOM	43°20'31.0"N 000°56'04.0"E	
DOGOV	46°56'12.4"N 001°46'29.1"W	
DOKAR	42°30'03.0"N 009°45'00.0"E	UM728
DOLAX	49°09'22.0"N 007°06'07.0"E	
DOLIN	48°19'21.9"N 005°13'07.1"E	
DOLIS	39°00'00.0"N 005°22'29.0"E	UN736
DOLIV	43°42'36.9"N 005°10'38.2"E	
DOMIL	46°57'31.0"N 006°18'53.0"E	UZ24
DOMOD	47°51'46.0"N 001°17'09.0"E	A3 , H20 , R10 UT158
DOMOK	49°43'28.0"N 002°06'18.0"W	Q41 UN484 , UN621 , UT260
DOMUS	48°53'17.1"N 001°57'49.9"E	
DONOS	43°17'02.0"N 001°29'29.0"W	R299
DOPAP	48°42'07.8"N 002°14'34.7"E	
DOPIM	45°15'40.1"N 005°20'54.1"E	
DOPIN	48°13'09.0"N 002°45'17.0"E	
DORDI	48°13'12.0"N 002°47'31.0"E	
DOSSE	48°38'40.0"N 007°29'04.0"E	
DOTIG	44°09'23.0"N 005°30'04.0"E	UN852 , UY22
DOUCI	47°23'07.7"N 007°02'02.7"E	T626
DUCRA	48°57'53.7"N 002°34'55.4"E	UM728
EBOMA	48°12'07.7"N 003°12'22.0"E	J301
EBOMO	47°49'16.0"N 004°18'45.2"W	UN482 , UN866
EBORA	43°19'40.0"N 007°21'45.0"E	M623 , P856 UM2 , UM623 , UP856
ECKAP	45°42'10.0"N 001°33'08.0"E	
EDINO	39°40'02.0"N 005°57'16.0"E	UM871 , UM998
EDODU	44°01'59.9"N 004°29'58.8"E	
EDOPI	47°55'29.6"N 006°34'08.1"E	UL164
EDOXA	48°17'27.0"N 002°12'34.0"E	R31 UN860
EKDAP	45°18'49.0"N 004°54'12.0"W	
EKLEB	50°33'01.0"N 001°45'15.0"E	
EKMEP	45°55'41.4"N 005°04'05.9"E	
EKMOP	46°39'50"N 001°28'45"W	
EKNOS	46°13'29.0"N 005°14'56.3"E	
EKPAT	48°33'21.4"N 002°34'01.6"W	
EKRAS	48°53'58.0"N 001°29'57.0"W	R111 , R491 , T496 , T501 UM184 , UN491 , UN585 , UN867 , UT494 , UT507
EKRIK	50°30'57.7"N 002°45'26.7"E	
EKSID	43°45'24.7"N 007°37'58.0"E	UM985

Code	Position GEO	Routes ATS ATS routes
EKTIR	49°08'36"N 001°30'53"E	
EKVEB	46°36'17.8"N 005°49'15.4"W	
ELBEG	47°41'49.0"N 007°44'58.0"E	
ELBOX	49°17'11.0"N 000°48'28.0"E	H20
ELDOP	49°45'24.6"N 000°54'23.9"W	UM185
ELKUK	47°00'35.0"N 000°53'52.0"E	
ELNER	47°13'40.1"N 001°45'10.9"W	
ELNUX	50°26'28.9"N 002°35'38.3"E	
ELRIV	43°13'44.9"N 005°15'17.2"E	
ELRUN	44°07'48.0"N 005°02'19.6"E	
ELSAG	40°36'29.0"N 008°00'00.0"E	M603 UM603
ELSEED	49°16'52.8"N 000°58'07.8"E	
ELTEG	50°54'37.4"N 001°47'28.9"E	UL10
ELTUD	50°26'36.5"N 001°53'47.4"E	
ELVES	49°47'47.0"N 003°57'54.0"E	H20 , Y50
ELVET	49°07'25.0"N 007°09'10.0"E	
ELVOP	41°02'46.1"N 004°46'32.8"E	UM601
EMBAM	44°00'56.8"N 004°15'37.5"E	
EMBUR	45°22'50.0"N 003°31'27.0"E	
EMGUT	46°03'56.0"N 006°18'19.0"E	B37
EMLUG	46°21'00.0"N 002°50'00.0"E	R66
ENESO	46°12'02.0"N 002°55'51.0"E	J924 , V18
ENOBUE	47°11'06.7"N 000°40'17.7"W	
ENOKI	47°47'49.0"N 001°25'10.0"W	T501
ENORI	49°28'28.9"N 003°46'40.6"E	Z157 UZ157
ENSAC	44°12'00.0"N 000°41'25.0"W	B19 , R10
ENUPA	46°38'54.0"N 003°27'10.0"E	G21 UM129
EPAGO	48°47'58.0"N 004°57'38.0"E	
EPAPU	47°42'36.0"N 001°24'43.0"W	UM184
EPATI	49°47'37.0"N 001°04'56.0"W	G27 UM184 , UM189
EPEKA	48°47'59.0"N 002°06'03.0"W	
EPIKO	48°13'53.2"N 006°41'12.9"E	V27
EPIXO	46°43'22.9"N 002°24'01.9"W	A5 , R14
EPOLO	42°52'58.0"N 006°32'05.0"E	N86 , N163 UP132
EPURI	48°27'25.6"N 003°38'15.3"E	B373
EQLIQ	43°55'50.0"N 002°51'08.0"E	
ERADI	49°10'04.1"N 006°46'35.1"E	Q252
ERAKI	42°59'42.0"N 001°03'01.0"W	
ERBIN	47°24'03.0"N 002°19'33.0"W	H34
ERESI	49°39'11.6"N 001°20'12.5"E	
ERETI	40°11'01.0"N 007°10'37.0"E	UM2 , UM986
ERGUL	44°14'59.3"N 003°26'56.1"E	Y25 UY25
ERIGA	46°51'36.0"N 002°21'47.0"W	R14 UN741 , UN872 , UZ218
ERIXU	48°05'00.0"N 002°15'35.0"E	UN860
ERKAV	49°08'05.3"N 000°03'39.0"W	
ERKIS	48°37'52.0"N 002°28'10.0"W	
ERLAX	43°26'05.1"N 005°01'21.4"E	
ERLED	50°17'49.6"N 003°52'49.7"E	
ERNOD	50°24'05.2"N 002°47'27.0"E	
ERPIN	41°34'21.0"N 007°34'36.0"E	UT250 , UT450
ERPOM	49°00'06.3"N 005°14'27.3"W	UN491 , UN511
ERTIP	48°08'04.0"N 004°24'24.0"E	A6 , G4 , Z303 UM982
ERTOK	47°35'06.0"N 002°17'28.0"E	UN860
ERTUN	48°48'24.2"N 002°08'16.8"W	
ERUDO	44°57'02.1"N 004°01'30.1"E	
ERWAN	45°56'13.0"N 005°13'17.0"W	UM30 , UN460 , UN480
ESAPI	45°53'23.6"N 006°17'24.9"E	J41
ESERA	44°08'51.7"N 003°31'47.3"E	Y25 UY25
ESHIN	47°57'56.4"N 003°56'55.4"W	
ESIDA	45°29'21.5"N 004°23'18.1"E	UY305
ESISI	44°53'34.0"N 001°25'42.0"E	G36 , T616 UT184
ESIVI	50°23'43.0"N 001°49'28.3"E	

Code	Position GEO	Routes ATS ATS routes
ESPAL	44°26'56.0"N 002°50'00.0"E	G5
ESPIG	43°30'38.6"N 004°06'18.7"E	
ESTOC	49°07'46.2"N 002°23'37.9"E	UT300
ETABU	45°38'16.6"N 004°17'00.7"E	
ETAGI	41°58'54.0"N 008°47'53.0"E	UM858 , UZ800
ETAKI	44°30'24.0"N 004°35'18.0"E	
ETAMO	46°50'25.0"N 002°20'15.0"E	UN855 , UN860 , UZ271
ETEKO	39°42'50.0"N 006°48'16.0"E	M986 UM871 , UM986
ETENU	45°42'09.1"N 001°36'04.8"E	UN860 , UY155
ETIDO	45°05'30.0"N 005°24'41.0"E	UY16
ETIKI	48°00'00.0"N 008°45'00.0"W	UN480
ETINO	48°53'15.0"N 005°03'22.0"E	
ETOIL	39°43'54.0"N 007°09'48.0"E	UM2 , UM4 , UM739 , UM871
ETOMA	43°40'42.0"N 004°52'16.0"E	
ETPAR	45°11'45.3"N 000°51'42.4"W	
ETPIL	47°03'52.0"N 000°16'39.0"E	
ETRAK	49°41'00.0"N 000°09'48.0"E	A34 UN859
ETREK	45°11'15.5"N 004°38'19.4"E	G53 , Z48 UM616 , UM976 , UN854 , UN871 , UT121 , UT123
ETUKU	46°22'21.4"N 002°29'33.6"E	R66
ETUSA	49°30'33.7"N 001°09'27.8"W	
EVADO	43°11'32.8"N 003°27'10.6"E	
EVALA	44°27'42.0"N 005°14'04.0"E	A3 , T43 UT43
EVVIS	46°00'41.0"N 002°30'00.0"E	V15
EVEDO	48°43'33.1"N 003°58'10.4"W	
EVETO	43°56'45.0"N 004°31'22.0"E	
EVIRI	43°03'14.0"N 009°05'00.0"E	G702 , P856 UP856
EVLIK	48°30'15.4"N 004°06'45.1"E	
EVNAM	43°36'15.1"N 001°06'49.2"E	UT210 , UY114 , UY115
EVPOK	45°28'27.0"N 001°22'34.5"E	UN859 , UN860
EVREN	48°20'25.0"N 002°00'53.9"W	
EVRUK	49°04'43.0"N 000°41'30.0"E	H20 , N160
EXEKO	50°09'42.6"N 003°48'09.1"E	
EXUGA	42°43'23.0"N 009°20'24.0"E	
FAGOR	45°54'48.1"N 004°51'53.2"E	
FAMEN	49°58'30.0"N 004°34'00.0"E	
FECHO	47°54'43.0"N 001°28'16.0"W	
FEJAC	48°46'32.0"N 002°34'15.0"W	UN585
FINOT	43°42'54.3"N 002°01'47.6"E	G36 , G393
FISTO	44°27'41.0"N 001°13'38.0"E	UN861 , UY156
FOUCO	45°45'17.0"N 000°28'50.0"E	UL873 , UN460 , UT181 , UT183 , UY156
FREMM	48°58'58.0"N 005°59'01.0"E	
FUZKA	48°32'12.0"N 003°13'00.0"E	UN491
GAGSO	46°47'54.9"N 002°38'33.2"W	
GALBO	48°50'17.0"N 000°15'00.0"W	R491 UN491
GALDA	41°25'44.3"N 008°52'45.9"E	
GALDO	43°15'34.0"N 001°44'45.0"E	
GALOF	45°56'14.6"N 001°39'44.3"W	UN470
GANGU	43°27'46.5"N 006°05'04.8"E	UM984 , UZ184
GANPU	49°19'04.8"N 000°13'14.8"W	
GANTO	49°23'50.0"N 004°58'52.0"W	UM142 , UN502
GAPDO	44°12'52.0"N 007°09'04.1"E	UY24 , Y24
GARMI	50°00'00.0"N 001°22'50.0"W	N867 UN867
GARPU	41°36'49.8"N 007°14'11.9"E	UM2 , UT251
GATMO	46°02'15.0"N 003°42'48.0"W	
GAUDE	43°00'00.0"N 000°38'12.0"E	
GEANT	42°26'00.0"N 002°12'59.0"E	UN727
GEBKI	49°32'46.4"N 005°27'04.5"E	Y180
GELTA	48°30'17.2"N 004°01'20.3"E	UN491
GEMKO	43°16'04.5"N 005°35'44.9"E	
GEMLA	45°34'20.0"N 006°20'23.0"E	T47 UT47
GERMA	48°40'39.9"N 005°42'53.0"E	
GERVA	46°03'27.5"N 002°52'27.5"E	V13 , V15 UV15

Code	Position GEO	Routes ATS ATS routes
GIGEX	46°38'07.5"N 002°08'34.2"W	
GIGNA	43°39'29.1"N 003°31'46.4"E	
GIGOT	47°38'45.0"N 001°26'27.0"W	A532
GIGUS	45°23'23.2"N 006°26'29.8"E	Z40 UP860 , UZ40
GIKEL	49°46'43.2"N 002°25'04.1"E	
GILIR	47°03'48.0"N 006°14'21.0"E	T14 UN852 , UN853
GILON	43°26'39.0"N 006°06'54.0"E	A3 , P856 , V35 , Y30 UY30
GILRA	48°51'48.0"N 000°43'53.0"W	R52 , R491
GILTO	49°13'17.0"N 001°45'36.0"E	
GILUR	44°38'05.5"N 002°19'14.2"E	V12 , V14
GILUX	47°43'27.0"N 001°44'35.0"E	A3
GIMAT	45°29'07.7"N 003°35'03.6"E	
GIMER	49°21'55.8"N 003°58'25.8"E	Q763 UN857 , UT300
GIMSI	41°24'12.9"N 009°01'14.8"E	
GINON	47°10'00.0"N 000°10'48.0"E	J55
GINOX	40°51'44.4"N 008°00'00.0"E	M601 , M732 UM601 , UM732
GIPEG	48°44'31.0"N 004°53'54.0"E	
GIPEX	47°45'27.0"N 002°37'24.0"E	G54 , R161
GIPNO	45°33'35.6"N 005°31'44.9"E	N871 UM733 , UN871 , UP860 , UT26 , UY31
GIRAG	42°59'42.0"N 009°37'48.0"E	R16 UM616
GIRAR	49°44'52.2"N 002°34'37.4"E	
GIRED	45°43'33.9"N 005°13'53.5"E	A2
GIRKO	46°10'12.9"N 000°54'12.4"W	
GIRKU	46°03'05.3"N 005°54'17.1"E	UN852 , Z532
GIROL	44°04'16.6"N 005°27'16.8"E	UN852
GIROM	42°46'29.5"N 000°59'50.3"E	A29 UN863
GIRVI	50°46'43.7"N 003°03'56.1"E	
GISOR	49°15'48.0"N 001°48'06.0"E	
GITAN	49°22'37.0"N 004°02'05.0"E	Q763 , Y50
GIVOR	48°39'30.6"N 006°23'29.1"E	G21 , V36 UL47 , UN853 , UT60
GIVRI	47°17'31.0"N 005°20'32.0"E	UL153 , UL856 , UM982
GIZOQ	49°02'54.9"N 002°59'03.2"E	
GOBUR	49°17'30.0"N 003°04'31.0"W	UN26 , UN484 , UN502 , UN866
GODAN	47°38'31.0"N 001°57'36.0"W	A25 UN482 , UN862 , UP87
GODEM	46°03'07.0"N 002°15'00.0"W	UN470 , UP87
GODIX	48°21'45.0"N 000°02'33.0"W	UN872 , UT190
GODOV	49°09'37.8"N 000°22'22.2"E	
GOFOG	46°01'04.7"N 004°21'08.3"E	
GOGRU	48°36'19.5"N 004°24'23.9"W	
GOGUX	48°14'30.8"N 002°44'14.3"E	
GOKAS	43°43'14.6"N 002°06'23.0"E	
GOMAM	43°34'04.0"N 000°54'33.0"E	
GOMDA	48°02'31.2"N 001°29'47.7"W	
GOMET	45°21'36.7"N 005°29'16.8"E	
GONEK	48°07'12.0"N 000°36'12.0"E	T116 , Z57
GONIV	43°12'37.7"N 006°40'45.1"E	
GONOX	49°38'11.6"N 001°55'21.5"E	
GONPO	45°42'12.1"N 000°31'17.5"E	
GONTO	43°27'21.0"N 007°35'29.5"E	
GONUP	43°27'38.7"N 000°45'32.2"E	UN871
GOPAT	41°20'00.0"N 008°26'38.0"E	L978 UL978
GOPIN	47°02'32.0"N 003°40'51.0"W	
GORET	47°57'08.0"N 004°01'53.0"E	J301
GORIT	42°43'01.0"N 008°31'41.0"E	A32 , Y48
GOSAD	44°06'36.0"N 001°45'34.0"E	
GOTED	47°31'30.0"N 005°27'25.0"E	UT423
GOTRO	49°35'15"N 001°12'49"E	J251
GOVNA	45°52'41.4"N 005°34'10.3"E	
GUERE	46°11'24.0"N 002°05'22.0"E	G21 UM129 , UN860 , UZ365
GULDA	49°23'07.0"N 001°55'03.0"W	G271
GUNPI	43°08'36.0"N 009°11'30.0"E	R16 , Y16
GURGO	46°20'56.0"N 003°49'46.0"E	

Code	Position GEO	Routes ATS ATS routes
GURPA	43°01'07.1"N 008°17'11.1"E	A3
GUSON	46°28'27.0"N 001°28'40.0"E	G28 , R66
HOMBO	47°44'16.3"N 007°31'34.6"E	
HORRO	41°39'54.5"N 008°34'27.5"E	
IBABA	46°52'38.0"N 005°25'15.0"E	B37 , Z124 UB37 , UZ124
IBDER	44°39'47.0"N 001°03'02.0"E	V14
IBDIT	47°57'04.0"N 004°53'02.8"W	
IBERA	49°30'30.0"N 006°16'30.0"E	UN853
IBERU	50°35'48.0"N 002°27'24.0"E	
IBILI	43°16'54.1"N 005°11'55.1"E	
IBISU	47°05'32.2"N 004°38'19.6"W	UM30 , UN471
IBLEX	48°07'19.0"N 002°37'36.0"W	
IBNIT	46°17'00.0"N 003°51'51.0"E	UL178
IBODI	46°57'13.0"N 005°54'00.0"E	UL153 , UT423
IBRAP	42°21'41.7"N 002°03'30.7"E	UN13
IBRIG	50°49'19.3"N 001°55'02.9"E	UL10
IBSUS	47°30'52.7"N 001°07'02.5"W	UY120
IBUMO	49°15'41.0"N 000°38'25.9"W	
IDAVO	46°14'50.0"N 004°57'49.0"E	UM733
IDBOV	45°51'16.9"N 003°19'34.8"W	
IDELO	43°02'56.7"N 005°03'00.1"E	B16 , Z154
IDLAB	49°31'45.7"N 001°22'16.9"E	
IDMIB	49°05'48.2"N 004°02'41.0"W	
IDNUN	47°06'26.1"N 002°33'11.4"W	
IDOKO	50°20'26.3"N 003°52'22.6"E	Y50
IDRIK	47°35'59.0"N 003°38'29.0"W	T499 UN864 , UT499 , UT513
IFFEN	48°07'19.0"N 002°05'10.0"W	
ILROU	42°42'19.2"N 008°47'31.7"E	
INBAB	45°34'25.0"N 003°48'36.0"W	UN864 , UN872
INGOD	44°48'02.6"N 004°01'43.3"E	UZ871
INGOR	49°21'52.0"N 000°15'00.0"W	UM25 , UN585 , UY111 , UZ297
INGUV	45°31'46.8"N 005°07'00.3"E	
INKIR	40°42'39.0"N 006°09'26.0"E	UN725 , UN851
INKUD	49°30'53.3"N 003°01'59.8"E	
INLOV	43°18'54.0"N 007°52'14.6"E	
INPAX	49°24'29.0"N 001°10'47.0"E	UL612
INPEK	40°09'29.0"N 005°33'36.0"E	UM603 , UN736
INPER	48°23'37.0"N 001°43'35.0"E	
INROX	45°38'34.8"N 003°20'15.6"W	
INRUN	48°59'52.2"N 003°04'44.4"E	
INSEB	48°03'04.3"N 003°31'33.2"E	
INSOG	48°03'27"N 006°40'58"E	
INTEM	47°56'47.0"N 007°16'52.0"E	
INTIP	46°17'12.1"N 006°51'37.6"E	
INVAK	42°54'20.6"N 009°42'56.6"E	
IPNOB	49°35'44.0"N 003°33'05.0"E	
IPSOG	49°05'19.8"N 000°16'06.3"W	
IRBAL	49°41'42.3"N 002°37'36.8"E	UT10 , UT421
IRDIB	49°28'16.3"N 001°02'00.1"E	
IRKUN	50°55'16"N 001°28'00"E	A30
IRMAR	44°48'00.0"N 006°47'25.6"E	UM622 , UN853 , UZ241
ISTER	40°03'53.0"N 004°40'00.0"E	UN851
IVDEV	47°49'25.9"N 007°21'56.4"E	
IVLAM	43°47'22.0"N 007°31'45.0"E	N736 UN736
IXILU	47°44'25.0"N 006°02'29.0"E	UL47 , UL613 , UN853
IXINI	49°07'02.0"N 000°15'00.0"W	UN160
IXIVO	49°46'39.8"N 000°16'31.4"E	
IXUDI	47°19'32.3"N 007°42'43.9"E	
JARNY	49°11'36.0"N 006°06'00.0"E	UM624
JULEE	43°00'46.0"N 005°38'00.0"E	J685 , N163
KABOB	43°43'01.7"N 001°03'24.5"E	
KABUR	49°36'00.0"N 000°08'00.0"W	

Code	Position GEO	Routes ATS <i>ATS routes</i>
KAMER	39°00'00.0"N 006°05'18.0"E	UM998
KANIG	42°28'49.0"N 002°58'59.0"E	A27 UN855
KASON	47°33'30.0"N 004°46'12.0"E	B37 , G21
KELAM	43°10'19.0"N 002°52'07.0"E	J27
KELON	48°48'57.0"N 003°52'25.0"E	
KELUD	48°48'03.8"N 002°23'40.1"E	
KELUK	46°33'20.0"N 005°41'08.0"E	B37
KEMUR	46°57'39.1"N 002°17'09.7"W	
KENAP	49°57'31.0"N 004°05'38.0"E	Z319 UZ319
KENIM	43°46'17.0"N 006°48'11.0"E	
KENZO	45°47'38.4"N 005°33'09.4"E	
KEPER	47°48'22.0"N 000°16'26.0"E	UN741 , UT182
KERAK	47°49'20.1"N 003°09'07.4"W	
KEREB	47°35'29.0"N 004°31'29.0"W	UN734 , UN866
KERIT	43°20'32.0"N 008°35'34.0"E	R16
KEROZ	48°36'38.6"N 003°44'39.3"W	
KERVE	48°36'02.7"N 003°47'46.0"W	
KESAK	43°18'02.8"N 008°06'09.6"E	
KESAX	50°04'14.8"N 001°40'26.7"E	T421 UQ220 , UT191 , UT421 , UT426
KETEX	48°08'00.0"N 002°21'35.0"E	UM728
KETIK	49°19'24.0"N 001°52'23.0"W	G27
KIHVI	49°11'57.5"N 002°18'54.5"E	UN872
KINES	45°19'53.0"N 006°45'19.0"E	UN853 , UP860
KINNI	46°05'20.0"N 006°12'42.1"E	UN871 , UZ67 , UZ139
KOCBU	48°10'36.2"N 004°31'06.7"W	
KOGAS	45°48'30.0"N 006°23'27.0"E	UM730
KOKIN	43°13'32.7"N 008°02'08.9"E	
KOLEK	46°36'46.0"N 005°24'29.0"W	UN461 , UN470 , UN480 , UN866
KOLIG	46°23'31.0"N 005°20'48.0"W	
KOLIS	44°20'57.0"N 000°45'41.0"E	
KOLIV	49°17'59.9"N 001°34'14.0"E	J116 , Z293
KOLON	43°43'19.0"N 006°57'12.0"E	UM623 , UM728 , UM984 , UP991 , UZ184 , UZ185
KONON	43°16'05.0"N 002°25'33.0"E	
KOPIP	46°55'51.0"N 007°30'14.0"W	
KOPOR	49°30'51.0"N 002°25'17.1"E	UM733 , UM976 , UN874 , UY376
KOPPA	42°27'57.9"N 009°38'15.1"E	
KORAB	43°48'24.0"N 002°42'06.0"E	
KORER	47°41'06.0"N 002°30'03.0"W	R66 , V30 UM616 , UN26 , UN482
KORUL	44°50'06.8"N 006°55'11.0"W	UL722 , UN866 , UP620 , UT7
KOTAP	48°17'00.0"N 002°18'00.0"E	J18 UM728
KOTEM	50°00'00.0"N 001°03'14.0"W	UM184
KOTIS	47°13'48.0"N 002°48'09.0"E	A3 , R31 UM728
KOTIT	44°36'09.2"N 005°41'26.9"E	Y42 UM616 , UN852
KOTIX	41°48'14.0"N 008°41'50.0"E	
KOTOP	42°30'16.0"N 004°16'05.0"E	UM984
KOTUN	48°43'27.9"N 003°52'16.2"E	UL613 , UQ220
KOVAK	47°59'35.0"N 000°50'48.0"E	A34 , H20 , H34
KOVAR	46°23'31.0"N 005°49'01.0"E	B37
KOVIN	49°29'09.0"N 003°06'23.0"E	UL194 , UM728 , UN872
KUBOL	43°06'16.6"N 005°13'11.0"E	
KUBOM	47°26'10.0"N 006°56'45.0"E	UT10
KUDIN	49°41'35.0"N 005°15'46.0"E	UM170
KUDUP	46°13'48.1"N 005°34'33.7"E	
KUKOR	46°32'30.6"N 003°07'45.0"E	G21 UM129 , UM728 , UT18
KUNAV	50°30'53.7"N 001°03'56.2"E	N20 , T421 UT421
KUPIM	40°20'04.0"N 007°17'52.0"E	M986 , Z924 UM986 , UZ924
KUPOP	47°37'14.0"N 004°33'22.0"E	
KURIR	44°43'31.9"N 004°54'01.4"E	T123 UT123 , UT183 , UY16 , UY23
KURIS	47°35'59.0"N 001°31'03.0"W	A532 , T15 UN482 , UN734 , UN872 , UT176
KUSEK	47°42'22.0"N 002°34'16.0"E	G54 UM728
KUTAN	47°48'27.0"N 004°15'23.0"E	R11
KUTEX	50°35'52.0"N 003°07'11.0"E	UY873

Code	Position GEO	Routes ATS ATS routes
KUVEB	49°38'33.4"N 000°14'42.8"E	
KUVIV	48°23'29.0"N 002°42'06.0"E	UL194
LABAL	46°01'39.0"N 003°21'18.0"E	UY160
LABAP	44°36'54.0"N 000°50'00.0"W	
LABIG	48°44'58.4"N 002°45'32.9"E	
LABUL	48°17'57.0"N 001°53'22.0"W	A25 , R14
LACAZ	43°26'17.7"N 005°12'59.1"E	G701 , Q302 , Z152
LACOU	44°17'48.4"N 000°54'15.8"E	A34 , G39 , T258 UM184 , UT24
LADAV	48°17'33.4"N 000°53'50.3"W	
LAKOB	46°53'00.0"N 003°05'46.0"E	UM133 , UT18
LALAT	43°23'55.0"N 005°56'11.6"E	
LALGO	43°02'31.9"N 000°15'10.0"E	
LALKU	48°11'47.5"N 001°04'56.1"W	
LALMO	47°49'22.4"N 003°09'32.0"W	
LALTA	43°11'01.2"N 000°10'42.5"E	
LALUX	48°17'11.0"N 002°24'32.0"E	R161 UM133
LAMDO	45°33'20.0"N 006°09'09.0"E	T47
LAMUR	46°34'46.8"N 007°13'53.0"E	UZ67 , UZ662
LAMUT	47°07'06.0"N 002°59'05.0"E	A3 UM133
LANET	42°42'10.0"N 003°06'25.6"E	
LANKO	43°13'38.0"N 006°00'52.0"E	G7
LANOM	48°17'16.2"N 001°02'25.0"W	
LANVI	48°18'42.0"N 005°47'50.0"E	UL161 , UM164 , UN491
LAPAT	45°30'01.0"N 005°33'29.0"E	
LAPAX	48°29'54.7"N 002°23'32.7"E	
LAPEX	47°00'00.0"N 008°00'00.0"W	UN470 , UN471 , UN472
LAPOS	44°20'24.0"N 000°51'36.0"W	
LAPOX	48°06'52.4"N 001°57'17.8"W	
LAPRO	43°25'00.0"N 002°51'27.1"E	UT21
LAPUB	45°15'42.6"N 003°37'13.1"E	
LARDU	49°03'15.2"N 000°31'40.3"E	
LARLA	49°22'41.0"N 007°07'15.0"W	
LAROK	46°42'39.0"N 001°26'01.0"W	
LARON	46°13'39.0"N 002°11'54.0"E	G21 , V13 UM129
LARPO	49°06'29.8"N 002°35'22.6"E	
LARSU	44°40'06.4"N 004°55'17.6"E	
LASAT	48°09'32.2"N 006°41'02.9"E	A242 , N491 UN491 , UN852 , UZ24
LASBO	43°36'19.1"N 001°33'03.7"E	
LASEV	45°58'52.0"N 002°15'41.0"E	V15 UP860 , UV15
LASIV	48°54'03.3"N 004°13'37.0"E	UL161
LASUN	47°24'50.5"N 007°32'14.7"E	T51
LASUR	44°40'02.0"N 005°34'35.0"E	Y42 , Z42
LASVA	41°58'40.1"N 008°30'34.0"E	
LASVO	45°02'21.0"N 001°14'29.0"E	T19
LATAM	45°02'01.9"N 004°14'20.8"E	T48 UL55 , UN871 , UY22 , UY30 , UZ168
LATEK	42°52'29.8"N 000°39'24.8"W	UN995
LATGO	48°28'49.0"N 000°15'00.0"W	Z57 UZ57
LATRA	48°05'00.0"N 002°31'00.0"E	UM133
LAULY	48°09'26.0"N 003°42'08.0"E	UH37 , UM733
LAVKU	43°45'17.5"N 001°39'28.9"E	
LAVRA	44°39'15.0"N 001°31'49.0"E	G36 , V14
LEBRI	45°48'40.0"N 002°32'01.0"W	UL14 , UN460
LECAR	45°41'58.1"N 001°00'57.8"E	
LEGMO	47°43'58.0"N 004°00'30.0"W	T499 UT499
LEGRI	46°06'57.0"N 004°19'06.0"E	
LEKLA	43°50'58.6"N 003°22'16.8"E	
LEKSO	45°03'56.8"N 003°59'58.5"E	
LELNA	49°58'57.0"N 002°06'23.0"W	UN621
LEMAR	49°03'47.0"N 000°37'22.0"W	
LEMIN	46°31'00.2"N 003°03'12.6"E	G21 , R161
LEMKA	46°37'44.0"N 000°15'00.0"W	UP860
LEMPU	43°28'12.5"N 006°57'19.4"E	

Code	Position GEO	Routes ATS <i>ATS routes</i>
LENSU	47°57'54.0"N 002°57'44.0"W	R66 , V30
LEQOS	48°54'02.5"N 002°39'20.9"E	UM163
LERAK	49°01'08.0"N 002°24'31.0"W	A25 , G27 , T498
LERDU	46°50'26.9"N 005°49'41.7"E	V25 UV25
LERGA	45°15'26.2"N 003°45'00.6"E	T41 , T48 UM133 , UM616 , UN869 , UT183 , UY30 , UY305 , UZ161
LERGI	45°00'00.0"N 000°30'00.0"E	
LERMA	43°09'57.4"N 007°04'22.7"E	A3 , N86 UL127 , UN736 , UP132
LESDO	49°48'30.0"N 003°19'05.0"E	N872 , T372 UG42 , UL10 , UL15 , UM728 , UN872
LESGA	48°53'17.9"N 000°48'17.8"E	
LESPI	46°06'48.6"N 003°57'28.0"E	A3 , B25 UL178
LIBLO	42°15'04.0"N 008°49'42.0"E	A9 , L146 UM858
LIBRU	44°53'22.8"N 000°11'23.7"W	
LIGUR	43°32'36.0"N 008°58'36.0"E	
LIMGO	49°38'14.0"N 006°16'54.0"E	Z110
LIMTA	47°49'05.3"N 001°50'51.0"E	
LINAK	45°31'46.0"N 001°09'11.0"E	
LINGU	42°10'00.8"N 009°38'58.5"E	
LIPNI	49°31'48.0"N 005°50'45.0"E	UN858
LIPSU	42°56'37.1"N 005°07'06.7"E	Z152 , Z154
LIQID	45°08'34.0"N 004°00'06.4"E	UY30
LIRKO	46°34'15.4"N 005°48'51.5"E	Y55 UM975 , UZ24
LIRMA	47°41'56.1"N 003°42'55.9"W	
LIRSO	48°42'36.8"N 003°19'55.8"E	
LISEU	49°06'12.0"N 000°24'07.0"E	A34 , N160
LISMO	46°52'14.0"N 005°46'41.0"E	A1 , A41
LIZAD	49°35'25.0"N 004°19'49.0"W	N160 UL739 , UN160
LOBMO	44°59'00.0"N 003°01'45.0"E	V21
LODKO	45°47'15.7"N 000°05'34.9"W	
LOGIS	43°42'11.0"N 005°10'41.0"E	
LOGNI	46°14'35.2"N 005°05'34.2"E	UN854 , UT26
LOKDU	41°58'50.0"N 008°01'58.0"E	M623 , Z154 UM623 , UY268
LOKPA	44°13'08.0"N 001°09'07.0"E	
LOMRA	43°20'39.0"N 001°52'59.0"E	R17 UN727 , UN859
LONSU	42°46'36.7"N 008°01'26.3"E	M622 UM622 , UM733
LOPLA	47°28'18.0"N 003°35'14.0"W	
LOPSU	48°20'25.2"N 007°17'28.1"E	
LORKU	49°56'18.0"N 002°22'16.0"W	UN866
LORNI	49°25'09.9"N 003°27'05.0"E	Z157
LORTO	43°37'55.1"N 000°59'45.8"E	
LOTEE	44°39'31.5"N 005°50'11.9"W	A5 UM30 , UN741
LOUPY	48°52'11.6"N 005°05'06.0"E	
LUGEN	46°35'00.0"N 000°51'40.0"W	G54 , R66 UM184 , UM616
LUGIS	50°00'00.0"N 000°52'20.1"W	UM185
LUKEM	49°04'30.0"N 001°27'22.0"W	T493 , T501
LUKID	46°44'31.0"N 005°32'04.0"E	B37
LUKIP	49°18'57"N 000°29'47"E	Z294 UM25
LUKUB	45°19'32"N 002°56'58"W	
LUKUM	44°55'44.0"N 005°10'58.0"E	T43
LULID	47°07'29.6"N 001°37'56.2"W	
LULIP	49°18'17.1"N 000°04'33.9"W	
LULUT	44°23'55.0"N 000°50'23.0"W	UL176
LUMAN	47°56'22.0"N 000°24'48.0"E	H34 , T116 UT182
LUMAS	41°44'00.0"N 004°40'00.0"E	B16 UM976 , UM985 , UN853 , UZ188 , UZ191 , UZ192
LUMEL	47°24'26"N 007°09'14"E	T10 , W110
LUMEV	48°28'10.2"N 004°28'37.3"W	
LUMID	44°14'00.0"N 003°47'21.0"E	
LUMIL	50°25'11.0"N 002°58'10.0"E	Y473 UY473 , UY873
LUMIX	43°00'39.0"N 005°20'06.0"E	
LUMOG	49°16'30.1"N 001°11'32.3"W	
LUNEL	43°41'21.9"N 004°08'45.0"E	
LUNOR	40°23'06.0"N 005°23'48.0"E	UM989 , UN851 , UT251
LUPAM	48°56'17.0"N 003°32'58.0"E	



Code	Position GEO	Routes ATS routes
LUPEN	48°26'06.2"N 007°44'01.0"E	R7 , V17 UM164
LUPER	43°42'09.0"N 006°49'31.0"E	
LURAG	45°31'40.1"N 007°05'19.6"E	UM135
LUREN	48°01'33.0"N 003°54'50.0"E	A1 , B373 , T11
LUSAR	46°40'08.0"N 005°10'46.1"E	UM975
LUSEM	43°22'29.0"N 001°46'50.0"W	UL176
LUSIT	49°12'53.0"N 001°47'44.0"W	G272 , N160
LUSOL	43°46'17.2"N 006°04'42.5"E	UN853
LUSON	46°30'00.0"N 001°21'03.0"W	A25 , A53
LUTAS	47°29'04.0"N 002°34'43.0"W	H34 , T499
LUTAX	49°32'58.4"N 005°48'58.1"E	UM163
LUTIL	47°35'47.0"N 000°05'10.0"E	J55
LUVAL	48°17'38.0"N 005°09'13.0"E	UG42 , UM164 , UN491 , UT15
LUVOB	45°47'00.7"N 005°39'31.5"E	
LUVOP	48°20'18.0"N 001°44'42.0"W	V20
LUXAN	45°22'29.0"N 005°07'58.0"E	A6 , G53 UN871
LUXEL	49°20'39.8"N 000°56'09.5"E	
LUXUS	43°32'56.0"N 006°59'31.0"E	
MABES	46°20'24.8"N 005°15'54.2"E	J32 UJ32
MABIP	43°13'18.0"N 001°31'18.0"E	
MABOL	43°27'29.0"N 000°33'30.0"E	
MADEK	48°30'09.0"N 006°59'20.0"W	UN531 , UT7 , UT37
MADIV	46°39'26.0"N 003°55'25.0"E	UL612 , UY612
MADKA	41°20'00.0"N 009°16'06.0"E	UM622
MADOT	45°43'48.2"N 004°30'50.4"E	H38 UM976 , UP860
MADRA	43°13'45.6"N 005°19'47.9"E	
MAGEC	43°44'54.0"N 001°11'45.0"W	R10 UP181
MAGIP	50°45'12.4"N 002°48'20.0"E	
MAGOP	41°18'41.0"N 007°53'45.0"E	M731 UM731
MAKIL	44°12'35.0"N 002°20'23.0"E	UN871
MAKOT	49°10'20.0"N 007°02'22.0"E	G21
MAKOX	45°19'58.0"N 001°14'17.0"E	G36 UL152 , UN860
MALAT	45°14'13.8"N 004°20'05.0"E	
MALOU	43°37'44.0"N 003°00'17.0"E	
MAMES	42°12'33.0"N 004°00'01.0"E	G7 , N86 UM984
MANAG	48°06'11.0"N 005°09'57.0"E	UM139 , UM606
MANAK	46°12'48.0"N 000°56'31.0"W	UN863 , UT183 , UY110
MANIG	49°47'07.0"N 003°15'34.0"W	UN26
MAPEB	47°49'41.4"N 000°00'13.1"E	
MAPRI	44°42'36.0"N 000°51'47.0"W	
MAQAB	43°24'44.8"N 000°17'22.8"E	UN869
MAREN	45°44'00.0"N 001°03'42.0"W	A25
MARKU	49°32'06.0"N 001°19'24.0"W	
MARRE	45°26'06.0"N 000°17'01.0"E	
MARRI	43°23'05.0"N 004°28'27.0"E	Y25 UY25
MASAL	41°28'04.8"N 009°22'03.1"E	
MASAM	43°28'04.0"N 002°15'07.0"E	G36
MATER	48°26'54.0"N 004°47'00.0"W	
MATID	49°36'18.8"N 001°45'59.5"E	J150
MATIX	50°05'54.0"N 003°54'51.0"E	Y50
MATOT	47°46'13.7"N 000°14'08.0"E	
MAVAC	45°30'59.0"N 001°00'07.0"E	A34
MAVUK	47°47'57.8"N 000°07'10.8"E	
MAXIR	43°23'43.8"N 006°02'26.2"E	UN853 , UN870
MAXOS	40°26'24.0"N 004°45'19.0"E	UT250
MAXUS	45°46'25.0"N 005°22'53.0"E	
MAZET	43°43'34.0"N 004°53'51.0"E	
MEBAK	45°42'28.9"N 004°38'55.9"E	H38 , Q20 UN869 , UP860
MEBAL	49°24'26.0"N 002°24'32.0"E	
MEBEL	42°29'31.0"N 005°20'46.0"E	UN853 , UN854
MEDAM	45°15'52.0"N 006°56'24.0"E	UM730 , UP860 , UZ241 , Y24
MEDAP	43°55'17.6"N 002°01'17.9"E	G39

Code	Position GEO	Routes ATS <i>ATS routes</i>
MEDIL	50°20'31.7"N 003°40'29.9"E	N872 UN872
MEDIM	47°23'15.0"N 006°31'54.0"E	L856
MEDOK	43°45'04.0"N 005°53'31.0"E	R161
MEDOX	49°20'00.6"N 005°05'48.7"E	UN858
MEDUS	43°10'30.0"N 006°08'21.7"E	V35
MEGER	43°19'54.0"N 009°10'33.0"E	P980 , Y16 UP980 , UZ900 , UZ911
MELKO	48°16'41.1"N 004°40'24.6"E	UM164 , UM606 , UN491
MENOX	46°34'18.8"N 003°13'12.0"E	G21 , R31
MERLU	43°04'48.0"N 007°47'36.0"E	A3 , A32 , M622 UL127 , UM622 , UM733
MEZIN	45°01'01.6"N 004°11'45.1"E	G53 , Q16 , R161 , Z46 UN871 , UZ46
MIGRA	45°41'02.8"N 001°00'54.5"E	
MIKIL	48°40'50.0"N 003°33'00.0"W	
MIKRU	43°40'45.7"N 007°32'43.0"E	Y15
MILNO	42°53'49.0"N 009°12'43.0"E	A3 , G702 , Y16
MILPA	46°18'09.2"N 005°52'47.0"E	N869 , V31 , Z65 , Z66 , Z669 UL612 , UM135 , UM730 , UN852 , UN869 , UZ65 , UZ66 , UZ139 , UZ669
MINDI	45°08'13.0"N 004°02'32.2"E	G5 , R161
MINPA	45°06'15.7"N 003°10'29.3"E	A27 , T616 , V21
MINQI	49°02'00.0"N 002°03'25.0"W	R14
MINSO	44°50'54.2"N 002°55'45.2"E	UN855 , UN869
MIRBA	44°43'26.0"N 000°19'37.0"E	R17
MIRGU	48°01'09.3"N 006°40'43.8"E	A242 , R112 UL164 , UN852 , UZ24
MIRSA	42°49'22.0"N 009°45'00.0"E	A3 UL127
MOBLO	45°48'35.0"N 006°43'21.6"E	UM135 , UN853 , UZ662
MOBRO	49°27'19.6"N 001°36'23.2"E	J151 , J250
MOBRU	48°26'16.6"N 004°01'29.1"W	
MOKDI	44°57'25.4"N 003°10'01.1"E	A27 UN869 , UT18
MOKEB	48°43'09.4"N 003°18'28.0"W	
MOKIP	46°26'56.0"N 005°05'37.0"E	UL612 , UN854
MOKOR	47°00'25.0"N 002°00'50.0"W	UN741 , UN867 , UN873 , UP87 , UT183
MOKUP	47°05'47.0"N 001°26'37.0"W	UP860
MOLBA	48°17'42.1"N 003°03'46.6"E	J301
MOLEN	44°03'19.0"N 004°30'46.0"E	
MOLOV	48°46'04.4"N 003°36'21.6"W	
MOLUS	46°26'38.0"N 006°40'46.0"E	J32 , N871 , T330 , Z62 , Z64 UJ32 , UL50 , UM729 , UM872 , UM975 , UN853 , UN871 , UT330 , UT423
MOMIL	46°32'46.0"N 004°32'48.0"E	UT133
MONCE	48°42'00.0"N 006°26'06.0"E	G21 , T131 UZ24
MONIX	43°20'11.0"N 001°53'49.0"E	B31 , R17
MONOT	48°05'00.0"N 002°27'26.0"E	R161
MONOX	43°37'19.5"N 001°20'14.0"W	
MONTU	46°55'48.0"N 001°08'48.0"W	A53
MOPAR	49°17'30.2"N 001°45'26.2"E	J116
MOPEM	46°17'01.0"N 004°23'03.0"E	UM976
MOPII	50°08'52.0"N 004°06'28.0"E	UY131 , UZ319
MOPIK	48°42'51.6"N 003°30'34.6"W	
MOREG	46°23'35.2"N 006°00'26.0"E	J32 UJ32 , UL47
MORIL	43°03'57.0"N 002°21'01.0"E	R17
MOROK	47°23'47.7"N 006°39'19.8"E	G434 , L856 , T14 UL856 , UN176 , UN852 , UZ24
MORSS	39°57'24.0"N 004°40'00.0"E	M603 UM603
MOSIS	49°00'26.0"N 007°12'53.0"W	UN490 , UN491
MOSUD	48°56'15.8"N 002°51'33.6"E	
MOTAG	48°49'17.0"N 003°42'09.3"W	
MOTAL	47°34'36.0"N 002°13'12.0"E	A3 , J18 , R11
MOTIK	44°28'42.0"N 000°50'00.0"W	
MOTIM	43°29'19.0"N 005°35'38.0"E	P856
MOTOX	50°57'28.0"N 001°28'00.0"E	UL15
MOTUK	47°51'54.0"N 005°49'13.0"E	UM139
MOTUR	44°01'02.0"N 007°11'50.0"E	
MOUET	39°00'00.0"N 007°19'52.0"E	UM4
MOULE	42°37'17.0"N 009°45'00.0"E	L146 UL146
MOVEX	48°23'04.0"N 003°55'44.0"W	
MUREL	49°19'17.0"N 003°33'02.0"W	UL739 , UN502 , UN864 , UY29

Code	Position GEO	Routes ATS ATS routes
MUREN	41°03'27.0"N 004°40'00.0"E	M601 UM601
MURRO	45°19'58.5"N 004°22'32.0"E	A3 , G5 , Q16
NAKET	45°18'45.9"N 004°12'24.0"E	
NAKIB	49°36'23.5"N 001°14'13.4"E	
NAKIS	44°19'21.3"N 004°05'53.1"E	UZ38
NAMAR	47°53'05.0"N 000°27'31.0"W	A53 , V20
NAMEL	46°21'28.0"N 006°17'00.4"E	Z62
NANAX	43°34'50.3"N 007°29'26.9"E	
NANCY	48°49'03.0"N 006°05'02.0"E	UM624
NANOP	48°15'43.0"N 004°14'22.0"E	Z303 UM982
NAPSU	47°02'16.0"N 002°07'37.0"E	
NARAK	44°17'43.0"N 001°44'56.0"E	Z869 UN859 , UN869 , UT122 , UY155 , UZ365
NARIV	45°49'41.6"N 004°15'35.6"E	
NARTI	43°32'57.0"N 007°13'48.0"E	UM728 , UM985 , UP991
NASEP	44°30'54.0"N 002°13'56.0"E	V12 , Z869 UN869 , UV12
NASIK	43°25'51.0"N 006°16'03.0"E	P856 UP856
NATEG	43°12'20.3"N 005°01'38.1"E	
NATLI	47°29'31.0"N 007°30'26.0"E	UL613
NATPI	42°43'26.0"N 001°14'08.9"E	UT210
NAVAN	50°28'06.2"N 003°14'23.0"E	
NAVLA	45°40'02.0"N 005°40'01.0"E	N871 UN871
NAZIM	45°44'17.6"N 005°52'19.0"E	
NAZIR	47°09'02.6"N 001°58'26.5"W	
NEBAX	48°27'25.0"N 006°11'40.0"E	UL15 , UT407
NEBRU	49°59'24.0"N 002°15'24.0"E	B24 , H40
NEDAN	47°26'26.0"N 001°15'53.0"W	A5
NEDRU	45°04'33.0"N 005°49'09.0"E	UL55 , UY31 , UZ12 , UZ871
NEGAT	41°24'42.0"N 007°51'46.0"E	UN851 , UT451
NEGDI	50°01'49.1"N 000°56'50.6"E	
NEGPU	45°31'46.4"N 005°06'44.1"E	
NEGUR	48°59'29.5"N 002°57'06.0"E	
NEKEM	46°30'00.0"N 003°24'50.6"E	Y600
NEKEN	50°31'28.6"N 002°49'00.0"E	
NEKIP	43°19'40.2"N 006°22'22.0"E	
NEKTA	43°45'03.0"N 003°01'30.0"E	UY27
NELEN	45°07'07.0"N 004°36'42.0"E	Z46
NEMED	49°37'03.0"N 001°35'18.0"E	J150 , J251
NEMOT	47°12'50.4"N 001°32'51.0"W	
NENEM	44°03'05.0"N 003°09'01.0"W	UN867 , UP152
NENIK	48°33'21.0"N 002°38'42.0"W	
NEOUL	43°19'41.9"N 006°02'24.0"E	
NEPAP	46°56'02.0"N 003°40'46.0"E	B373 , Y600
NEPAR	49°05'10.0"N 003°33'03.0"E	J10
NERAS	43°24'56.7"N 007°49'27.4"E	
NERIN	48°38'23.4"N 002°57'27.6"E	
NERKI	48°30'47.0"N 001°19'37.7"E	T116
NERLA	48°59'35.0"N 004°37'55.0"W	UM142 , UN491 , UN521 , UZ57
NERTI	45°42'07.6"N 000°54'20.0"E	
NESUL	41°04'31.0"N 007°01'55.0"E	Z240 UM732 , UN851 , UZ240
NETRO	44°03'03.3"N 001°34'22.9"E	
NETUK	43°15'30.3"N 001°36'55.9"W	UN10 , UN857
NETUP	43°00'44.0"N 005°48'14.0"E	UN853 , UZ191
NEVIL	50°00'00.0"N 000°22'06.0"W	G27 UZ273
NEVIX	42°24'51.0"N 005°03'42.0"E	UM989 , UZ191 , UZ192 , UZ193
NEXOT	48°29'42.9"N 003°59'16.7"E	
NIBIK	42°40'46.0"N 005°23'18.0"E	UY268 , UZ191
NIDEV	42°54'48.7"N 005°25'31.2"E	
NIDIL	43°12'09.0"N 007°52'56.0"E	UM728 , UZ800
NIDIR	48°24'13.5"N 007°11'24.3"E	
NIDUV	49°20'42"N 002°43'40"E	
NIFKU	45°56'42.0"N 006°40'24.0"E	B37
NIGAG	46°15'23.0"N 000°16'43.5"W	

Code	Position GEO	Routes ATS <i>ATS routes</i>
NIGLO	45°50'56.7"N 003°49'23.6"E	
NILDU	42°15'37.0"N 003°49'43.0"E	UN975
NILEM	50°17'48.0"N 004°07'08.0"E	UY131
NIMER	47°28'21.0"N 000°21'25.0"E	UN482 , UT182
NIMLA	48°28'16.0"N 002°35'42.0"E	
NIMPA	43°16'25.0"N 006°21'39.0"E	
NINAL	49°36'18.6"N 002°31'50.0"E	
NINIS	46°17'01.0"N 004°24'00.0"E	
NINTU	46°08'50.1"N 005°33'10.9"E	UN869
NINUN	44°46'06.7"N 003°33'46.3"E	UN871
NIPLO	46°18'49.7"N 000°04'42.3"W	
NIPOR	49°06'58.0"N 004°00'34.0"E	J10 UH101
NIRAP	46°28'04.3"N 000°10'12.3"W	
NIRDO	43°08'44.0"N 008°26'05.0"E	G116 , P856 UP856 , UP991
NISAR	44°29'43.0"N 005°04'17.0"E	UY22
NISEK	41°02'01.0"N 007°45'34.0"E	M732 , T175 UM732 , UT175
NITAR	49°55'11.7"N 002°14'11.0"E	UQ220 , UT10 , UY376
NITEM	47°25'49.0"N 001°48'23.0"W	
NITEP	49°24'42.0"N 004°13'12.0"E	UN857
NITUB	46°23'27.0"N 000°07'27.0"W	
NIVDA	41°14'36.0"N 006°34'07.0"E	Y19 UM732 , UT250 , UZ193 , UZ194
NIVIN	46°42'52.0"N 005°51'58.0"E	UM729 , UM982
NOGAT	44°39'52.3"N 004°50'11.0"E	
NOKVI	48°51'27.6"N 003°51'15.9"W	
NOQVI	40°43'54.0"N 005°57'23.0"E	UM739 , UN725 , UT251
NOQAS	45°13'11.3"N 004°14'22.1"E	UM616 , UM728
NORBU	48°44'30.1"N 004°25'23.1"W	
NORKA	42°57'11.0"N 008°47'29.0"E	A3 , G116 UL127 , UP991
NORMI	46°53'46.0"N 002°05'31.0"W	A5 , R14 UN26 , UN867 , UN873
NORON	45°29'05.0"N 000°40'39.0"E	R10
NOSDU	49°42'19.8"N 001°05'56.1"W	
NOVAN	46°19'20.0"N 003°41'57.0"W	UN90 , UN470 , UN741 , UN864 , UN977 , UT460
NUBVO	49°04'37"N 003°12'29"E	
NUCIF	47°05'20.0"N 004°46'06.0"E	UM129
NUGVA	45°15'48.4"N 002°23'46.7"W	
NUMLO	51°05'07.7"N 002°08'43.4"E	
NURMO	49°49'34.0"N 002°45'19.0"E	N874 UL613 , UN874 , UZ474
NUSBA	46°06'24.0"N 005°42'48.0"E	UZ66
NUVNU	47°17'45.6"N 000°43'49.1"W	
OBAKI	48°21'57.0"N 006°25'50.0"E	UL15 , UM164
OBAMO	48°27'37.7"N 002°29'16.6"E	
OBATO	48°04'01.0"N 000°15'00.0"W	A53 UL976 , UM163 , UN873
OBIGO	45°13'13.0"N 006°24'41.0"E	UY11
OBIMO	48°36'32.6"N 003°48'00.4"W	
OBIVA	50°11'01.0"N 002°30'24.0"E	R50
OBBLD	41°48'36.0"N 005°00'48.0"E	UM154 , UM732 , UM985 , UZ194
OBODI	49°21'20.0"N 003°04'50.0"E	
OBOBO	41°51'53.0"N 008°26'42.0"E	L978 , Z154 UL978 , UY268
OBORN	48°27'43.0"N 007°12'06.0"E	R11 , R112 , V17 UM164
OBOTA	43°22'35.9"N 006°59'54.9"E	
OBUKO	45°42'49.1"N 000°24'12.7"E	
OBURO	47°39'06.0"N 004°15'53.0"E	UH10 , UZ124
ODADI	43°44'01.3"N 004°12'51.5"E	
ODAKA	40°14'07.0"N 006°33'43.0"E	UM739 , UZ924
ODEBU	48°16'52.0"N 002°37'34.0"E	R28 UL194 , UL612
ODEGA	43°23'55.0"N 005°59'33.0"E	G701
ODENI	50°32'32.6"N 002°23'11.5"E	
ODIKI	45°56'32.0"N 006°20'37.0"E	G32
ODILO	48°14'30.3"N 001°34'17.9"E	R10
ODIMI	48°41'55.3"N 002°41'47.3"W	
ODIXU	43°05'56.5"N 005°34'56.2"E	UZ192
ODNUP	46°11'22.9"N 006°42'39.9"E	A1

Code	Position GEO	Routes ATS ATS routes
ODREP	50°00'00.0"N 001°30'07.5"W	UP88
ODUXA	45°21'48.2"N 005°03'08.1"E	
OGAGI	49°27'22.0"N 005°01'57.0"W	UM142
OGALO	44°16'04.6"N 002°43'24.1"E	
OGLIB	49°59'13.5"N 003°01'11.5"E	
OGLOT	47°16'32.0"N 001°22'59.0"W	H34 , T501
OGMAP	48°29'03.2"N 003°50'18.8"E	
OGREN	43°24'15.0"N 005°53'28.0"E	G701
OGRIL	43°17'32.4"N 001°14'06.3"E	
OGULO	48°13'06.0"N 002°40'09.0"E	UL612
OKABI	42°36'58.0"N 001°29'00.9"E	UN861 , UT113
OKABO	48°32'57.8"N 003°29'25.4"E	B373
OKASI	48°05'00.0"N 002°46'40.0"E	R28 UL612
OKBON	42°28'02.0"N 008°26'19.0"E	UL978 , UN851 , UZ800
OKBUK	48°48'59.3"N 003°52'25.8"E	
OKEKO	47°32'25.0"N 003°07'14.0"E	R28 UL612
OKEPI	47°08'43.0"N 003°21'54.0"E	R28 UL612 , UT18
OKIPA	48°36'40.7"N 003°33'48.6"E	Z303 UM982
OKIPO	47°54'38.0"N 005°52'08.4"E	UG42
OKIRA	47°01'19.0"N 003°26'26.0"E	UL612 , UM175
OKIVA	41°20'00.0"N 009°06'23.0"E	P872 , P980 UP872 , UP980 , UZ800
OKPEM	50°38'30.7"N 001°34'21.1"E	
OKRIX	47°57'58.0"N 003°34'03.0"E	A2 , J301 UH10 , UM976 , UT15
OKROK	42°48'29.0"N 008°53'29.0"E	UM728 , UM858 , UZ911
OKSER	42°00'55.0"N 006°20'33.0"E	UN736 , UT175
OKSOK	50°36'28.0"N 002°28'04.0"E	
OKTET	44°29'06.0"N 006°34'10.2"E	UM733 , UN853 , UY31
OKTOV	43°16'28.2"N 005°26'41.1"E	
OKVIG	48°54'52.4"N 003°54'09.9"E	
OLALU	47°15'21.0"N 000°53'34.9"W	
OLBUS	50°36'11.3"N 003°22'06.0"E	
OLDES	42°11'25.0"N 008°47'27.0"E	
OLEBA	47°09'25.0"N 001°50'53.0"W	UN471 , UN873
OLERO	45°58'11.0"N 001°09'01.0"W	A25
OLIBO	43°34'56.6"N 004°49'33.3"E	
OLINO	46°52'56.6"N 001°02'55.5"E	G54
OLIRI	46°38'06.0"N 003°24'43.0"E	Y600
OLMAV	50°41'57.0"N 001°28'39.1"E	
OLMES	49°37'53.0"N 001°00'10.0"E	H20
OLMOL	50°41'53.3"N 002°05'35.5"E	UL10
OLNUL	41°40'04.0"N 005°23'06.0"E	UM732 , UM989 , UZ193 , UZ194
OLOLO	47°03'06.6"N 001°40'36.6"W	
OLONU	49°40'12.5"N 000°27'04.3"E	
OLOXO	42°26'06.8"N 001°30'45.9"E	UN861
OLTRE	49°08'12.0"N 004°20'32.0"W	UL722
OLUGI	46°20'00.0"N 003°20'07.4"E	R31
OMANI	46°27'26.4"N 003°46'04.7"E	A3 UL178
OMARD	43°06'17.0"N 007°35'28.0"E	A3 , M623 , N163 UL127 , UM623
OMARI	47°10'00.0"N 000°49'29.0"E	B19
OMASI	45°54'22.0"N 005°58'27.0"E	N871 UN871
OMEDA	42°19'44.0"N 008°21'43.0"E	UM622 , UM733 , UN851 , UT251
OMXEB	46°07'30.1"N 006°32'33.4"E	B46
ONZON	45°50'06.4"N 004°06'29.6"E	A3
OPALE	49°53'59.1"N 001°53'06.3"E	J20 , T421 UT421
QQQAL	48°51'38.7"N 002°42'05.6"E	UN858
ORBIL	43°11'24.0"N 002°29'36.0"E	G36
ORIST	50°00'00.0"N 001°50'42.0"W	UY110
ORKUM	40°33'50.0"N 007°28'58.0"E	M603 , M986 , N725 UM603 , UM986 , UN725
ORQET	47°58'05.8"N 003°59'54.4"W	
ORTAC	49°59'57.0"N 002°00'18.0"W	Q41
ORTEZ	43°21'56.0"N 000°43'00.0"W	G17
ORTUX	44°09'32.2"N 004°18'20.8"E	

Code	Position GEO	Routes ATS ATS routes
ORVAL	49°02'02.0"N 001°49'31.0"W	V20
ORVOS	49°30'24.3"N 005°29'55.7"E	
OSBEN	47°05'06.0"N 001°39'47.0"W	
OSBIB	47°38'00.6"N 003°27'59.0"E	
OSBUD	50°26'02.8"N 002°46'52.8"E	
OSDAG	44°56'24.2"N 001°47'28.2"E	
OSDIT	50°36'00.3"N 001°19'47.3"E	
OSGES	47°18'04.2"N 002°37'08.1"W	
OSGOT	43°37'30.0"N 001°34'56.9"W	
OSGOX	44°18'40.7"N 004°38'56.6"E	
OSKAM	43°49'54.0"N 001°12'48.0"E	
OSKIL	43°00'51.2"N 005°12'47.7"E	
OSKIN	47°43'08.0"N 003°26'05.0"E	A27 , R11 , T11
OSLID	50°30'20.0"N 003°24'06.8"E	
OSLUT	43°27'46.7"N 004°11'57.3"E	
OSMAS	45°16'46.9"N 005°31'06.5"E	Z40 UZ40
OSMOB	44°38'57.1"N 000°20'17.5"W	UN857 , UN862
OSPIS	48°24'35.4"N 002°53'05.7"E	
OSPOK	40°51'25.0"N 004°40'00.0"E	N725 UN725
OSRIM	45°41'48.0"N 005°49'34.0"E	
OSTAD	43°31'14.0"N 002°22'14.0"E	
OSTIP	48°29'22.2"N 002°36'39.5"E	
OSVEG	43°18'19.7"N 000°06'32.3"W	
OTARO	39°00'00.0"N 004°41'06.0"E	UM989
OTGUV	50°56'36.2"N 001°44'38.7"E	UL10
OTLOV	47°50'51.5"N 000°41'18.0"W	
OTROT	45°06'49.0"N 004°26'44.0"E	UM728 , UN871 , UT183
OVBEN	48°03'26.5"N 003°25'37.0"E	
OVDIL	44°05'17.5"N 000°53'17.0"E	
OXIDA	47°53'41.0"N 003°34'00.0"W	H34
OXIDO	43°27'56.0"N 005°17'10.0"E	
OXOTO	47°58'32.0"N 002°00'58.0"E	H20
OXUBA	50°47'16.6"N 002°44'05.3"E	
PABLA	48°47'19.0"N 008°21'07.0"E	
PADCA	46°00'58.0"N 006°27'26.0"E	B37
PADKO	43°13'53.9"N 005°19'58.9"E	UL127 , UM984 , UN854 , UY38 , UY342
PAFFO	42°05'47.6"N 007°36'48.1"E	Z154 UY268
PALME	42°58'28.2"N 005°56'08.6"E	
PAWUS	45°53'45.0"N 006°36'17.7"E	B46
PECNO	45°58'02.0"N 001°51'54.2"E	UP860
PEKIM	48°16'33.0"N 002°49'32.0"E	T36 UM975
PELIK	48°42'20.0"N 004°19'49.0"W	
PELOK	47°20'40.0"N 006°35'24.0"E	T14
PELOS	41°09'43.0"N 008°09'41.0"E	M623 , M731 , Y19 , Z240 UM623 , UM731 , UZ193 , UZ194 , UZ240
PEMAK	49°26'56.0"N 006°13'05.0"W	
PENAR	45°30'25.0"N 005°37'37.0"E	
PENDU	47°20'56.1"N 006°01'57.5"E	L856 UL47 , UL164 , UL856 , UN853
PENJO	45°45'44.0"N 006°25'41.0"E	J41
PEPAL	48°33'02.0"N 000°15'00.0"W	A361
PEPAX	47°04'53.0"N 000°27'09.0"E	UT182
PEPET	45°05'03.0"N 003°52'02.0"W	UN864 , UP152 , UZ218
PEPON	48°21'00.0"N 000°15'00.0"W	A532 UT176
PEQEF	44°22'49.2"N 004°15'57.3"E	UZ38
PERAK	46°02'47.0"N 006°24'35.0"E	UL612
PERDU	42°43'55.5"N 000°09'04.3"E	
PERIG	45°07'02.0"N 000°58'10.0"E	A34 UT184 , UT185 , UT186 , UT210 , UY156
PERON	49°54'45.0"N 002°50'24.0"E	H20 , N874 UN874 , UZ274
PERUS	44°09'12.0"N 006°06'12.0"E	A3 , G374 , Z206
PESAN	46°11'57.3"N 003°23'13.7"E	A27
PESHU	43°20'31.2"N 005°18'07.5"E	
PESUK	49°12'39"N 000°17'27"E	J116 , Z294 UZ297
PETAL	46°22'04.9"N 006°18'01.3"E	G5

Code	Position GEO	Routes ATS ATS routes
PETAX	50°11'11.6"N 000°50'52.8"E	J150 , M605 UM605 , UZ296
PETIG	48°59'45.0"N 002°26'58.0"W	
PETUR	43°42'30.8"N 007°27'09.4"E	N736
PEVIS	47°57'37.7"N 006°58'41.1"W	UN482 , UN542 , UT7
PEVIT	47°41'52.1"N 007°11'33.4"E	UM606
PEXIR	49°12'10"N 000°36'48"E	J116 , J251 , Z295 UZ297
PEXOD	45°19'04.0"N 003°01'02.0"W	UN867
PHALO	48°46'40.0"N 007°05'43.0"E	R7
PHILI	49°28'31.0"N 007°01'17.0"W	
PIBAL	46°40'55.0"N 000°42'50.0"E	
PIBAT	46°48'21.4"N 004°15'32.9"E	A2 , G40 UM129 , UM975 , UM976 , UT140
PIBON	43°35'55.1"N 006°58'59.5"E	
PIGOP	48°41'09.0"N 001°20'20.0"E	UN160 , UN491
PIGOS	43°37'20.2"N 007°22'16.2"E	M622 , N86 , N736 , Y15 UM2 , UM616 , UM622 , UM733 , UM985 , UN736 , UZ800
PIGUL	45°34'28.0"N 000°46'18.0"E	
PIKAG	49°07'36"N 003°18'33"E	
PIKIV	49°23'34.1"N 000°37'32.9"W	
PIKOD	49°24'38.0"N 005°15'59.0"W	UN502
PIKUP	49°03'34.6"N 000°12'21.9"W	
PILON	48°00'06.5"N 005°41'30.9"E	UG42 , UM606
PILUL	48°05'00.0"N 003°02'53.0"E	T36 UM975
PIMAK	45°23'30.0"N 004°00'53.0"E	R31 , Z48
PIMIX	50°42'16.9"N 002°44'47.4"E	
PIMQO	45°09'33.0"N 001°11'35.4"E	UN860
PIMUP	47°32'25.0"N 003°23'15.0"E	T36 UM975
PIMZI	48°24'55.0"N 006°49'21.0"E	R11
PINAL	41°42'57.0"N 009°25'28.6"E	
PINAN	43°34'16.6"N 003°44'44.3"E	
PINED	45°00'00.0"N 005°31'16.0"E	Z42
PINOT	45°59'07.6"N 005°55'33.5"E	
PIPAX	43°19'19.6"N 005°36'00.9"E	
PIPOR	43°00'33.0"N 001°06'29.0"W	
PIPUN	48°03'36.0"N 002°26'19.0"W	
PIQFU	46°07'39.5"N 001°12'34.5"W	A25
PIRAM	43°32'16.0"N 007°59'28.0"E	R16
PIREG	49°52'51.7"N 001°54'40.4"E	UM733 , UT421
PIRUV	45°52'04.0"N 005°40'33.0"E	
PITAV	49°11'41"N 000°56'00"E	J116 , J250
PITHI	50°11'26.5"N 003°34'22.2"E	UN872
PIVER	48°47'45.4"N 002°16'03.1"E	
PIWEB	49°12'34.0"N 003°37'21.0"E	UN857
PIXEB	46°56'25.0"N 003°45'14.0"E	UM175 , UM975 , UY612
PODEM	49°15'41.0"N 001°33'11.0"E	UN873 , UT191
PODUK	49°14'45.8"N 003°21'02.2"E	UL613 , UT300
POGOL	48°23'56.5"N 006°41'36.1"E	A242 , R11 , T131 UM164 , UN852 , UZ24
POGZI	48°32'42.0"N 002°58'15.1"E	UN491
POHKI	43°55'18.4"N 000°11'44.3"W	
POKET	45°06'51.0"N 000°37'05.0"E	UL873 , UN861
POLLY	47°53'37.0"N 002°45'44.0"E	G54
POMEG	43°17'39.1"N 005°19'42.3"E	G7
POMTA	47°47'11.0"N 003°37'40.0"W	UN482 , UN864
PONNE	45°27'18.7"N 006°03'56.5"E	
POPUL	43°56'55.0"N 002°50'25.0"W	UL14
PORBU	42°25'52.0"N 003°12'03.0"E	
POULP	41°20'00.0"N 008°34'12.0"E	L42
PUMAL	42°22'00.5"N 002°00'30.5"E	B31 UN859
RALIX	46°56'25.0"N 001°02'20.0"W	UP860 , UY120
RALOS	43°20'37.2"N 005°29'26.4"E	
RANUX	49°08'19.6"N 004°21'41.5"E	UH101 , UL15 , UN858
RAPED	43°22'24.0"N 006°53'36.0"E	P856 , Y15 UM985 , UP856
RAPES	43°14'48.0"N 001°54'47.8"E	

Code	Position GEO	Routes ATS ATS routes
RAPOR	49°35'29.0"N 005°12'47.0"E	Q763 , Z157 UM170 , UN857 , UZ157
RAPOT	43°27'54.2"N 006°57'13.9"E	
RAPUR	42°53'36.0"N 008°40'37.0"E	UM728 , UN851 , UZ900
RARAK	44°01'44.0"N 000°41'33.0"E	A25 , T258
RARUS	44°07'13.0"N 004°45'14.0"E	B16
RASCA	50°08'44.6"N 004°52'52.4"E	
RASPA	42°09'28.2"N 005°23'47.3"E	UM985 , UN854
RATAP	42°43'23.0"N 009°06'16.0"E	G374 , P980 UM728 , UP980
RATKA	49°30'00.0"N 008°00'00.0"W	
RATRA	44°46'49.0"N 001°28'39.0"E	G36
RATUK	50°39'25.2"N 001°38'10.6"E	L613 , T22 UL613 , UT191
RAVIG	49°20'28.0"N 001°23'08.0"W	G273 , T501
RAVMU	49°15'52"N 003°35'35"E	
RECIF	42°45'19.0"N 008°53'09.0"E	A9
REFEL	47°34'48.0"N 007°00'41.0"E	
REGHI	48°00'00.0"N 008°00'00.0"W	UN29 , UN480 , UN482 , UN484 , UN585 , UT37
REKLA	47°32'07.9"N 005°51'02.7"E	UT10
REKMU	46°05'09.4"N 004°38'57.7"E	
REMDU	44°32'21.0"N 003°01'00.0"E	G5
REMGO	49°46'33.0"N 005°01'16.0"E	UY157
RENKO	41°08'21.0"N 007°49'55.0"E	Z240 UZ240
RENSA	49°31'59.4"N 004°53'07.9"E	Q763 , Z257 UN857 , UZ257
REPSI	45°31'21.0"N 004°16'31.0"E	T41 UN869
REQIN	39°00'00.0"N 006°15'00.0"E	M986 UM986
RESBO	43°10'38.0"N 006°57'34.0"E	
RESKU	45°32'28.9"N 005°01'23.5"E	
RESMI	48°34'07.0"N 002°11'31.0"E	UL612 , UM728 , UM729 , UM975 , UN491 , UN857
RESPO	47°49'58.1"N 005°36'28.8"E	G4 UL613 , UM129
RETNO	44°22'48.0"N 005°37'24.6"E	A3 , Z42 UM728 , UN852
REVDO	41°20'00.0"N 008°41'27.0"E	M194 UM194
REVGO	50°44'42.9"N 002°39'47.9"E	
REVLI	46°35'11.0"N 006°44'36.0"E	A41
REVTU	49°35'50.0"N 001°43'32.0"W	UP87 , UP88 , UT507 , UY110
RHONE	43°23'09.7"N 004°50'40.4"E	
RIBOU	43°04'47.0"N 001°55'44.0"E	
RIDHO	41°36'32.6"N 008°05'25.1"E	M623 UM623
RIGVI	48°07'57.3"N 007°30'13.8"E	
RIKLO	46°48'13.1"N 001°35'58.8"W	
RIKPO	43°13'41.5"N 005°53'28.0"E	G7
RIKSI	44°07'08.3"N 004°40'37.4"E	
RILAV	46°45'04.0"N 001°44'18.1"W	
RILIP	45°02'33.0"N 006°18'35.0"E	UL55
RILON	43°55'30.0"N 001°00'36.0"W	R10
RILTI	45°45'30.1"N 005°39'33.9"E	B16
RIMON	47°30'26.0"N 002°11'09.0"W	R66 , T499 , V30
RIMOR	46°01'21.8"N 003°28'47.8"E	
RINED	46°38'29.5"N 001°42'59.0"W	
RINSO	48°01'38.0"N 001°26'09.0"W	T497 , T501 , V20 UM184 , UN867
RINTI	51°01'58.0"N 001°36'56.0"E	B3 UL10
RIPAL	39°58'41.0"N 004°46'17.0"E	M603 , Z924 UM603 , UZ924
RIPTU	46°06'25.0"N 005°19'45.0"E	
RISEP	39°36'24.0"N 004°59'35.0"E	UM871 , UM989
RISNO	47°56'11.7"N 002°26'55.9"E	
RISOR	45°32'18.0"N 005°57'51.0"E	T45 , T47 UT45 , UT47
RISPU	45°51'32.1"N 000°19'16.9"W	
RISUD	47°46'15.5"N 001°41'48.2"W	
RISUN	46°21'56.0"N 002°36'12.0"E	G21 , R66 , V18
RITOR	46°11'03.1"N 001°32'30.1"W	
RIVAK	46°00'00.0"N 008°00'00.0"W	UN460 , UN461 , UN462 , UT460
RIVEK	46°20'12.0"N 003°04'48.0"E	R66 , R161
RIVLA	43°21'32.2"N 005°18'13.4"E	
RIVRU	43°28'44.2"N 007°09'42.7"E	



Code	Position GEO	Routes ATS routes
RIXEL	44°00'14.0"N 003°19'45.0"E	
RIXIX	46°28'22.3"N 005°05'07.8"W	
RIXOT	40°23'28.0"N 004°40'00.0"E	UT250
ROBAL	50°28'24.0"N 003°38'00.0"E	M617 UM617
ROBEX	45°06'54.2"N 006°35'38.1"E	UY11
ROBIR	47°31'23.0"N 006°02'15.0"E	T10
ROCAN	42°40'24.0"N 001°56'48.0"E	UN13 , UN727 , UN859 , UY120
ROCCA	45°44'43.0"N 006°38'44.1"E	B46 , G32 , T345
RODIN	49°59'46.0"N 002°16'33.0"E	
RODSA	47°32'08.0"N 001°39'46.0"W	A532 , V30
ROGEK	46°39'15.8"N 001°02'20.1"W	
ROGEV	50°04'59.4"N 003°00'27.4"E	
ROGPU	48°40'31.8"N 001°24'04.5"W	
ROKAL	47°57'19.2"N 003°21'21.5"W	
ROKIX	46°44'31.5"N 001°05'38.7"W	
ROKNO	43°26'14.0"N 007°14'58.7"E	UM623 , UN736
ROKRO	49°52'54.0"N 004°17'28.0"E	
ROLEN	48°34'48.0"N 000°09'24.0"E	A5 , A532 UT176 , UZ15
ROLIR	45°10'28.0"N 004°50'36.6"E	V44 , Z46 UV44 , UZ46
ROLNU	46°35'19.3"N 001°08'22.8"W	
ROLLOL	44°17'16.0"N 000°21'29.0"E	A25
ROLUP	43°29'36.0"N 006°58'43.0"E	
ROMAK	44°37'48.0"N 002°29'20.0"E	V14 , Z869 UN869
ROMAM	45°06'09.5"N 005°09'48.4"E	A6 , B16 , T43 UL55 , UT43 , UY23 , UZ871
ROMGI	46°10'38.0"N 003°06'46.0"E	J924
ROMGO	48°20'47.7"N 000°50'38.8"E	T116 UT182
RONAX	48°23'32.0"N 000°22'55.0"E	A53 , J55 UL976 , UN873
RONIS	45°46'51.5"N 004°42'47.0"E	
RONLA	46°21'08.7"N 005°25'19.1"E	J32 UJ32
RONOR	50°36'20.8"N 002°47'15.7"E	
ROSEX	48°28'15.8"N 002°35'39.5"E	
ROSIV	50°01'32.0"N 002°45'54.0"E	
ROSMU	47°51'44.9"N 005°04'34.2"W	UN482 , UN533
ROSPO	47°57'41.5"N 003°45'02.9"W	H34 , V30 UT183 , UT513
ROTIS	42°58'00.0"N 005°30'00.0"E	UN870 , UP132 , UZ192
ROTSI	48°16'36.2"N 004°38'03.0"E	UL613 , UM164
ROUBO	49°29'18.6"N 001°18'57.2"E	
ROUSY	49°28'35.0"N 006°06'54.0"E	UM624 , UT27
ROVOT	43°20'13.0"N 004°55'44.0"E	UL127 , UY373
ROXIL	47°06'31.9"N 001°58'01.8"E	
ROYAN	45°40'00.0"N 001°02'12.0"W	A25
RUBAS	42°22'37.0"N 006°34'08.0"E	Z154 UN736 , UY268
RUBEB	43°45'15.0"N 005°34'12.0"E	Y30 UY30
RUBGI	45°20'52.0"N 002°30'00.0"E	T19
RUBIT	43°13'20.0"N 006°24'44.0"E	A3 , G7
RUBIX	49°04'09.0"N 000°15'00.0"W	UT300
RUBLO	45°35'26.0"N 005°21'01.0"E	A2 , Z87 UP860 , UZ87
RUBUT	50°49'04.7"N 002°40'33.5"E	
RUMEL	44°30'00.0"N 000°55'13.8"E	A34
RUMIL	45°51'42.8"N 005°58'53.2"E	R226
RUSEX	43°13'46.3"N 005°24'18.7"E	
RUSIB	48°58'37.0"N 003°48'31.0"W	UM30 , UN484 , UN491 , UN542
RUSIT	45°40'05.0"N 004°53'26.0"E	H38 , Z87 UN854 , UP860 , UY305
RUSTI	48°10'36.0"N 007°39'36.0"E	
RUTIP	42°28'39.1"N 001°26'13.7"E	UT113
SABLE	47°51'11.0"N 000°15'00.0"W	H34 , T15 , V20
SAKYR	47°39'54.1"N 001°24'36.6"W	
SALCO	49°44'14.0"N 003°31'46.0"W	UM30 , UN864
SALEV	46°04'25.6"N 006°03'57.4"E	Y55 , Y56 , Y58
SALIN	43°16'58.1"N 004°43'48.5"E	M731 , Y25 , Y341 UY25 , UY341
SALMA	39°00'00.0"N 006°43'00.0"E	UN854
SALSI	43°20'52.0"N 002°21'26.0"E	G36

Code	Position GEO	Routes ATS <i>ATS routes</i>
SAMPO	48°13'12.0"N 001°16'56.0"W	A361 , R52
SANCE	47°16'00.0"N 002°44'30.0"E	A3 , R31
SAULX	48°31'43.6"N 005°17'00.6"E	
SAUNI	46°37'25.0"N 005°28'40.0"E	UM975
SAURG	43°53'00.0"N 005°05'43.0"E	T123 , T976 UT123
SAUVA	48°58'24.0"N 002°22'21.0"W	
SECHE	44°26'19.0"N 000°30'55.0"E	G39 , R17 , T259 UL127 , UN863 , UT24 , UT122
SECON	42°49'43.6"N 005°06'14.1"E	UM976 , UZ188
SENLO	49°05'00.0"N 001°10'42.0"W	G274 , H490 UN502 , UT300
SEPAL	47°00'00.0"N 008°45'00.0"W	UN470
SHARA	47°58'40.0"N 006°40'38.0"E	UN852 , UT407 , UZ24
SIGOS	43°41'25.0"N 001°25'03.0"W	
SIJAN	43°11'51.0"N 002°56'13.0"E	A27 UY27 , UZ539
SIMAR	43°48'38.6"N 003°47'39.5"E	
SINPO	46°19'30.0"N 003°17'00.0"E	B25 , R66
SIQLE	47°01'15.7"N 003°14'13.4"E	UT18
SIROD	46°43'37.3"N 006°01'10.4"E	A1 , Z124 UH10 , UL47 , UZ124
SIRSA	41°37'01.9"N 008°28'58.0"E	
SITET	50°06'00.0"N 000°00'00.0"W	A34 UN859
SITSA	46°54'50.6"N 002°10'37.4"E	
SIVIR	46°00'00.0"N 008°45'00.0"W	UN460
SIZZA	47°32'40.0"N 004°06'58.0"E	UM733
SKERY	50°00'00.0"N 003°10'23.0"W	
SKESO	49°49'29.0"N 003°02'03.0"W	A25 UN90 , UN862 , UY29
SOBLI	47°29'58.0"N 006°22'46.0"E	T10
SODRI	43°00'47.0"N 008°22'19.0"E	A3 , G374 UL127 , UM728 , UN850
SOFFY	43°01'13.5"N 005°10'49.9"E	UM976 , UP132 , UZ153
SOFIK	46°16'24.5"N 006°37'56.9"E	A1
SOGBO	44°52'57.6"N 000°51'07.5"W	
SOKDI	43°32'36.0"N 006°40'29.5"E	UM984
SOLEN	41°56'14.9"N 009°23'58.4"E	
SOLNO	45°37'09.6"N 001°06'47.5"E	
SOLSO	44°23'05.9"N 000°28'39.2"W	
SOMDA	48°20'16.0"N 004°14'40.0"E	A6 , B13 , T11
SOMED	47°26'09.0"N 000°56'31.0"E	UN482
SOMEN	48°51'00.0"N 003°33'00.0"W	Y491 UY111 , UZ57
SOMEX	48°12'47.3"N 003°20'03.6"E	
SOMIL	49°46'13.0"N 002°18'18.0"E	UN873 , UT421 , UY376 , UZ274
SOMOS	44°32'55.0"N 001°14'21.0"W	
SOMTI	45°27'00.6"N 002°55'58.5"E	T19 , V12 UV12
SOMTU	49°35'47.0"N 004°21'27.0"E	
SONGA	44°11'55.9"N 001°00'47.0"E	
SONOD	46°19'54.0"N 006°47'49.0"E	
SONUR	49°26'13.6"N 004°21'26.9"E	Q763
SOPAD	45°39'12.0"N 004°12'20.0"E	Q20
SOPEX	48°36'48.0"N 003°33'00.0"W	T120
SOPIG	49°22'25.0"N 002°19'53.0"E	
SOPIL	47°01'33.0"N 001°03'18.0"E	A34 , R10 UN859
SOPLO	45°43'43.7"N 005°44'45.0"E	N871 , Z87 UN871
SOPOL	49°51'47.0"N 001°41'07.0"E	UT191
SORAL	49°06'49.6"N 006°26'15.6"E	V36 UN853
SORAP	48°31'20.0"N 000°38'07.0"E	UN859 , UN873 , UT191
SORAS	40°33'08.0"N 004°40'00.0"E	UN850
SOREM	48°28'16.0"N 007°01'08.0"E	V17
SOSAL	46°33'29.0"N 006°53'04.0"E	T45 UM982 , UT45
SOSIX	48°41'25.0"N 004°50'34.0"E	
SOSOV	44°58'59.0"N 007°53'06.0"W	
SOSTO	43°47'51.0"N 001°16'33.0"W	
SOSUN	49°59'05.5"N 001°31'03.8"E	UM733
SOSUR	42°33'36.8"N 004°59'50.6"E	B16 , N86 UM154 , UM976 , UM989 , UN870 , UZ188 , UZ193 , UZ194
SOTAK	43°49'17.3"N 000°56'31.7"E	
SOTAX	39°35'04.0"N 004°40'00.0"E	UM871

Code	Position GEO	Routes ATS ATS routes
SOTIP	48°07'52.9"N 001°27'35.6"E	R10
SOTOX	43°29'54.7"N 007°30'37.7"E	
SOTUS	49°22'48.0"N 004°03'01.0"E	Q763 , Z319
SOUKA	42°53'23.0"N 008°47'31.0"E	
SOVAD	46°20'14.9"N 006°02'54.4"E	Y55
SOVAG	41°08'49.0"N 007°12'23.7"E	UM2 , UN851
SOVAT	50°46'46.0"N 001°28'00.0"E	L613 UL613
SOVET	44°08'20.1"N 001°46'51.1"E	UL127
SOVIM	48°07'06.2"N 003°48'38.5"W	
SOVOR	49°14'26.6"N 003°05'22.1"W	
SOVOS	43°23'13.0"N 000°54'00.0"W	G17
SUBAK	47°04'09.3"N 001°29'27.2"W	
SUBIL	43°01'43.0"N 004°36'30.0"E	
SUBIP	50°26'44.4"N 000°53'06.2"E	UM733
SUBOX	48°44'59.0"N 001°38'07.0"E	
SUDAD	43°09'50.0"N 000°00'40.0"W	
SUDAP	50°26'36.4"N 002°50'44.0"E	
SUDAS	42°56'17.3"N 008°54'22.5"E	A3 , A9 , Y48 UL127 , UM858
SUDAV	48°29'15.6"N 002°54'08.8"E	
SUDIL	47°08'03.1"N 001°37'31.1"W	
SUDOD	50°59'31.4"N 002°15'14.0"E	
SUGOM	46°04'35.0"N 002°22'37.0"W	
SUIPE	49°15'12.0"N 004°15'54.0"E	H9 , J10 , M163
SULEX	50°00'00.0"N 002°55'32.0"E	N874 UN874
SULIT	43°23'01.3"N 001°15'09.2"E	
SULOT	45°36'14.0"N 003°48'59.0"E	Q20
SUNUL	47°10'37.0"N 002°49'41.0"W	
SUPAP	49°26'02.0"N 005°49'22.0"W	
SUPUX	40°25'29.0"N 008°00'00.0"E	Z924 UZ924
SUQOC	46°26'23.7"N 000°23'47.3"W	
SURAS	43°38'32.8"N 001°03'46.2"E	
SURUD	43°27'15.5"N 000°58'45.2"E	
SUSON	50°25'32.6"N 002°24'40.6"E	
SUSUK	43°32'51.2"N 006°08'07.5"E	
SUTAL	49°28'00.0"N 006°23'30.0"E	N852 UN852
SUTUB	48°47'39.5"N 001°39'46.4"E	
SUXER	40°08'09.0"N 005°51'32.0"E	UM998 , UZ924
SUXOV	49°55'21.7"N 000°49'32.4"E	
TABIL	47°57'23.0"N 000°56'24.0"W	A532 , V20
TABOT	39°09'00.0"N 008°00'00.0"E	UM739
TABOV	48°38'39.0"N 001°38'56.0"E	UL976 , UM163 , UN491 , UN858
TACRO	47°29'13.0"N 000°57'14.0"W	H34
TADAN	43°34'37.0"N 000°33'30.0"E	
TADUP	48°56'19.3"N 000°32'27.4"E	
TAHLE	49°52'00"N 002°41'00"E	UZ274
TAKAS	49°00'00.0"N 008°00'00.0"W	
TAKAT	44°37'36.2"N 002°36'02.1"E	V14 , V21
TALAR	45°57'23.0"N 004°36'15.7"E	
TALEP	43°27'44.0"N 008°42'44.0"E	UN850
TALOL	43°19'16.0"N 000°33'30.0"E	
TALUD	49°36'04.0"N 005°25'14.0"E	Q763
TANCA	49°31'17.0"N 000°29'05.0"E	
TELIN	48°14'41.0"N 004°11'59.0"W	
TEMPU	44°50'49.0"N 000°59'44.0"W	
TEMTO	47°35'41.7"N 000°36'54.2"W	UN741
TEPRA	46°29'45.0"N 002°25'28.0"W	UL14 , UN867 , UN873
TEPRI	48°33'08.0"N 002°45'00.0"E	UN491
TEPTI	43°24'33.6"N 000°23'55.5"E	
TEREZ	41°20'00.0"N 009°02'13.0"E	J19
TERKU	48°01'48.0"N 003°37'00.0"W	UN490 , UN864
TERPO	47°20'56.0"N 001°55'44.0"W	UM616 , UN461 , UN490 , UN862 , UN867 , UN872 , UP87 , UT176
TILVI	49°36'30.0"N 005°35'03.0"E	

Code	Position GEO	Routes ATS <i>ATS routes</i>
TINAM	46°21'36.1"N 006°31'50.0"E	Z62
TINIL	47°35'20.0"N 005°05'55.0"E	UM982 , UN854
TINOT	42°41'51.8"N 005°18'54.4"E	M731 , N86 , T175 , Z154 UM731 , UN854 , UT175 , UY268 , UZ192
TIPIK	43°30'14.0"N 006°26'04.0"E	
TIRAV	46°35'56.0"N 001°23'27.0"W	A25 , G54 , T501 UN490 , UT183 , UT501 , UY110
TIRGI	48°47'31.0"N 003°13'50.0"W	
TIRSO	47°48'22.2"N 006°40'14.8"E	A242 UM606 , UN852 , UZ24
TIRUM	47°50'13.0"N 004°39'46.0"W	UN472 , UN482
TITOX	46°33'04.0"N 003°43'05.0"E	
TITUB	48°47'33.0"N 003°34'43.0"W	UN864 , UN866
TITVA	45°21'47.6"N 003°57'31.6"E	UM728 , UN869
TIVLI	42°48'18.0"N 000°26'12.0"W	UN869
TIVLU	46°30'00.0"N 008°00'00.0"W	UN536 , UN749 , UN868 , UN977
TIVNO	43°46'44.0"N 007°47'01.0"E	Y15
TIXIT	43°20'46.0"N 006°50'30.0"E	UM985
TOBVO	44°08'28.0"N 002°02'16.0"E	V21
TOKDO	46°01'30.2"N 005°42'40.1"E	G5 UY305
TOLNA	45°40'42.7"N 005°48'49.3"E	
TOLVU	49°37'31.0"N 005°22'18.0"E	UN857
TONDU	43°36'04.7"N 005°08'01.3"E	
TOPDA	41°29'12.5"N 008°51'42.0"E	
TOPTU	42°47'47.8"N 000°11'37.0"W	UN871
TORPA	47°28'45.9"N 006°39'30.9"E	T10 , V40 UM624 , UN852 , UT10 , UZ24
TORTU	43°23'18.0"N 008°57'30.0"E	A9 UM858 , UN851
TOZOT	45°11'09.0"N 004°05'56.2"E	UT183
TRACA	50°51'06.0"N 001°58'06.0"E	A30 , B3
TRETS	43°24'47.0"N 005°43'51.0"E	G701
TUBDI	47°43'46.9"N 003°22'51.5"E	
TUDRA	46°32'20.0"N 000°46'51.0"E	R66 UT158 , UT210
TUKVI	50°38'58.7"N 001°24'13.0"E	
TULNI	50°33'27.0"N 003°16'56.0"E	Y473 UY473
TULTA	48°34'37.0"N 008°00'00.0"W	UP197
TUNAX	47°54'45.0"N 000°12'06.0"E	H34 , J55
TUNIT	49°22'53.0"N 003°00'00.0"W	N160
TUNOR	47°53'00.0"N 004°08'28.0"E	UH37
TUNUR	44°38'25.0"N 004°50'24.0"E	UY22
TUPAR	46°25'45.0"N 000°39'46.0"W	UM184 , UM616 , UN861 , UY114 , UY120
TUPID	47°42'41.1"N 002°03'49.6"E	
TUPOV	47°45'27.0"N 007°14'13.0"E	UT407
TUPOX	43°58'33.0"N 005°24'11.0"E	T43 , Y30 UN852 , UT43 , UY30
TURDO	47°26'52.0"N 006°58'05.0"W	UN480 , UP197 , UT7
TURDU	49°05'28.1"N 000°27'53.0"W	
TURIL	43°13'36.3"N 006°01'25.6"E	UL127 , UN853 , UZ188 , UZ192
TUROM	46°50'31.0"N 005°57'59.1"E	UN852
TUTAX	46°55'17.0"N 005°14'49.0"E	UZ124
UBAVI	43°57'34.8"N 004°48'35.4"E	
UBEXU	46°24'57.0"N 004°58'04.0"E	A6
UBIMA	46°07'35.0"N 006°42'04.0"E	UN853
UFXFX	47°52'16.0"N 002°45'21.0"E	
UFONE	48°50'13.0"N 006°59'19.0"E	R7
UGLET	43°34'52.0"N 005°52'31.0"E	Q302 , Y30 UY30
ULKUX	42°56'26.0"N 004°57'32.9"E	
ULNAB	45°24'49.5"N 002°26'26.2"W	
UMLER	47°30'00.0"N 008°45'00.0"W	UN734
UMOGI	48°04'12.5"N 002°18'01.9"E	
UMOXA	47°30'00.0"N 008°00'00.0"W	UN531 , UN533 , UN535 , UN542 , UN734
UNANA	42°51'13.0"N 006°10'49.0"E	UM985
UNEKO	46°19'48.0"N 003°11'25.0"W	
UNKIR	46°48'56.0"N 005°43'37.0"E	UM729 , UM982
UPALO	48°54'37.0"N 001°45'07.0"W	R111 , T120 , T493 , T498 , V20 , Y491 UL739 , UN491 , UN585 , UN862 , UP87 , UT260 , UT510 , UY110
UPMIT	50°39'06.9"N 003°21'05.3"E	

Code	Position GEO	Routes ATS ATS routes
URATO	41°56'44.0"N 008°09'29.0"E	Z154 UY268
UREKU	43°28'37.2"N 001°22'25.3"W	
URELO	48°32'19.8"N 003°43'55.3"E	J302 , Z303 UJ310 , UM982
URITI	48°47'22.6"N 002°17'04.0"W	
UROGO	43°55'58.9"N 000°12'21.8"W	
URUNA	43°21'18.0"N 001°44'25.0"W	R10 UP181
URUXI	44°51'14.2"N 003°46'43.3"E	
USAKU	43°37'27.0"N 000°28'20.0"E	G17 , T258
USANO	43°44'03.3"N 007°42'49.9"E	Y15
USAPI	49°42'11.6"N 000°19'59.5"E	
USODA	46°58'19.0"N 001°21'54.0"W	T501 UM184 , UM616 , UT501
UTELA	48°54'21.2"N 002°57'37.6"E	UM733 , UM976 , UN858
UTISO	46°02'43.8"N 001°27'48.6"W	UN862
UTORU	41°10'50.0"N 007°49'53.0"E	Y19 UZ193 , UZ194
UTUVA	45°51'47.7"N 003°29'27.9"E	UM133 , UM728
UVELI	45°02'29.1"N 000°06'43.0"E	R17 UN857 , UN863
UVIKO	47°58'45"N 000°03'41"E	
UVRAK	44°54'26.4"N 001°40'00.9"E	
UVVRAN	49°36'26.7"N 001°07'42.2"W	
UVRIL	49°43'49.7"N 000°34'39.6"E	
UVSUV	49°29'17.3"N 001°40'28.4"W	UM25
UVUDO	46°30'00.0"N 001°50'39.0"W	UN26 , UN862
UXANA	45°16'35.0"N 003°10'45.0"E	
VADAR	46°39'26.0"N 006°45'13.0"E	Z669 UZ669
VADEM	46°43'18.2"N 006°29'00.5"E	UN853
VADEP	50°14'29.6"N 003°48'17.5"E	
VADOM	48°33'02.0"N 001°16'15.0"E	UL976 , UN874
VADSU	43°09'32.0"N 000°16'56.0"E	
VAGNA	45°05'43.3"N 000°20'14.2"W	
VAKOP	43°20'02.7"N 005°01'04.0"E	
VAKOS	49°34'10.7"N 004°00'10.3"E	Y50
VAKPA	48°11'17"N 006°41'06"E	
VAKPI	43°22'30.3"N 000°05'36.6"E	
VAKSI	47°59'57.0"N 001°14'05.0"W	V20
VALAG	43°40'39.9"N 003°25'04.5"E	
VALAX	47°33'46.0"N 001°06'38.0"W	A5 , V30
VALEK	49°30'52.0"N 005°46'52.0"E	UM163 , UN858
VALKU	45°59'53.4"N 002°49'05.0"E	UN855 , UP860 , UY160
VALNU	48°04'54.0"N 003°16'00.0"E	
VALPO	48°50'05.1"N 003°07'17.8"E	
VAMOP	50°23'25.7"N 003°11'37.8"E	
VAMTU	44°08'44.0"N 007°37'31.0"E	UM984
VANAD	47°50'14.0"N 000°54'26.0"E	A34 UN858 , UN859 , UN874
VANAS	45°27'25.8"N 006°44'48.7"E	J41 UM730 , UN853 , UT47 , UZ139 , Z532
VANEG	47°40'03.4"N 002°26'05.0"W	
VANEX	48°33'14.1"N 002°58'40.8"E	
VANIS	43°53'55.0"N 005°06'31.0"E	
VAREK	42°18'47.0"N 007°58'50.0"E	M623 , W54 UM128 , UM623 , UT250
VARES	43°30'11.0"N 004°19'23.0"E	
VARUX	44°52'57.4"N 004°51'14.3"E	
VASOL	48°32'42.5"N 001°52'54.8"E	
VATIR	42°10'20.0"N 004°06'56.0"E	UN852 , UY38
VATRI	48°47'36.0"N 004°03'30.0"E	B3 , G40 , T11
VAVIT	42°48'38.6"N 008°55'09.4"E	
VAVIX	44°16'40.0"N 000°41'38.7"W	B19 UL65 , UN857 , UP181
VAVOT	49°29'13.0"N 005°34'00.0"E	Z110
VAXED	48°52'49.4"N 004°07'04.4"E	
VAXEL	41°52'41.5"N 008°22'34.8"E	
VEBEK	49°16'07.0"N 003°40'59.0"E	Q763
VEDIK	43°51'26.0"N 005°49'24.0"E	Y22 UY22
VEDUS	49°35'41.0"N 004°46'53.0"E	Z157 UZ157 , UZ257
VEKIN	50°24'15.0"N 003°16'30.0"E	N873 , N874 , Z173 UN873 , UN874 , UZ173

Code	Position GEO	Routes ATS <i>ATS routes</i>
VELIN	44°58'48.0"N 000°09'20.0"E	R10 , R17 UN863
VELIR	45°24'15.4"N 003°10'56.6"E	
VELLO	43°31'08.7"N 005°15'43.2"E	
VELOK	50°11'18.0"N 002°49'09.0"E	
VELOL	49°56'19"N 001°17'12"E	J150 UZ296
VELUD	47°08'18.6"N 001°18'25.0"W	
VEMIL	49°13'29.5"N 002°23'10.3"E	
VENAR	46°08'37.0"N 000°43'14.0"W	UT183
VENAT	46°14'39.0"N 006°35'48.0"E	T45 , T330 UT45 , UT330 , UZ67
VENOR	49°43'00.0"N 002°38'54.0"E	N874
VENTA	43°34'59.0"N 005°14'04.1"E	
VEPET	49°42'37"N 001°30'04"E	J150 , J151 , Z293
VERAC	46°17'25.0"N 000°06'17.0"E	B19
VERMA	50°00'00.0"N 003°14'36.0"E	B3 , T372 UM728
VEROB	45°17'43.7"N 007°23'22.4"E	
VEROS	47°20'24.0"N 002°12'06.0"E	G54 , J18
VEROT	45°12'59.5"N 004°10'37.7"E	G5 , R31
VEROX	46°43'38.8"N 006°34'23.6"E	N869 UN869
VESAN	50°22'18.8"N 002°01'35.1"E	J22 , L613 UL613 , UT225 , UY376
VEULE	49°51'24.0"N 000°37'12.0"E	UL612
VEVAR	44°48'00.0"N 007°00'45.0"E	UM623 , Y24
VEVUT	42°26'12.0"N 003°05'00.0"E	UT18 , UY27
VEXAV	49°12'32.0"N 001°56'11.2"E	
VEXIP	49°02'31.1"N 001°57'31.0"E	
VEZAQ	48°41'03.0"N 002°54'09.5"E	UL194
VIBUG	45°57'26.9"N 003°21'37.6"E	
VICCO	42°08'22.0"N 008°48'57.0"E	
VIFGO	45°02'36.2"N 005°40'53.3"E	
WEBCA	46°03'50.3"N 006°49'42.9"E	A1
WERZO	48°31'29.0"N 003°32'00.0"E	UN491
WIQMO	47°16'37.2"N 001°37'42.0"W	
XAMAB	50°12'16.0"N 000°15'53.0"E	UL612
XAMAL	43°28'43.0"N 007°05'40.0"E	G374 , M623 , Y15
XANOR	49°28'16.4"N 000°37'09.9"E	
XAPEL	46°38'24.0"N 003°58'00.0"E	
XASOT	47°01'33.1"N 004°34'01.8"W	
XASUD	49°08'54.8"N 000°09'15.3"E	
XATEL	44°16'13.0"N 005°10'43.0"E	UY30
XATOS	39°41'55.0"N 008°00'00.0"E	UM871
XAVAP	49°14'02.0"N 006°08'35.0"W	UN521
XERAK	44°57'55.0"N 002°00'00.0"E	T616
XERAM	49°35'48.0"N 004°04'02.0"E	Z157 , Z319 UY157 , UZ157 , UZ319
XERGI	46°16'19.2"N 000°53'48.0"W	
XIDAN	47°02'43.0"N 006°13'06.0"W	UN471 , UN480 , UN535
XIDIL	50°21'06.0"N 000°38'29.0"E	M605 UM605
XIRBI	44°22'22.0"N 005°15'56.0"E	UT43 , UY22
XITVA	48°42'50.7"N 002°17'16.4"W	
XORBI	49°55'04.0"N 002°27'04.0"E	H20 , H40
XOVPA	49°09'18.0"N 000°15'00.0"W	N160
XUPAL	45°02'26.0"N 002°37'22.0"E	T616 , V12
XUREX	43°32'06.4"N 001°01'42.3"E	
YACIM	43°16'17.2"N 003°39'16.6"E	UT21
YAQEL	45°03'17.3"N 003°48'15.0"E	
ZEBRA	43°36'57.2"N 004°57'36.3"E	
ZEFIR	41°50'30.3"N 008°03'15.4"E	M623 UM623
ZERFI	48°44'18.0"N 006°51'46.0"E	V17