

## NDB LIST 'CHANNELS CLE' No. 189

275 - 425 kHz 25 Dec 2014 - 6 Jan 2015, midday-midday local time

### COMBINED RESULTS EUROPE

Try to log one NDB with its nominal frequency on each of  
the 151 'channels' - nnn.0 / nnn.5 from 275 kHz to 425 kHz  
(or the 101 channels from 325 kHz to 425 kHz)

For overall statistics, etc., please see the covering email.

#### Reporters:

CZE	<b>fr</b>	Frantisek Müller, Praha
CZE	<b>ju</b>	Jaroslav Tomek, Ostrava
CZE	<b>my</b>	Milos Holy, Lhota pod Radcem
CZE	<b>ze</b>	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU	<b>bd</b>	Bernhard Hein, Dessau-Roßlau
DEU	<b>hw</b>	Hartmut Wolff, Near Wolfsburg
ENG	<b>ag</b>	Alan Gale, Whitworth, Lancashire
ENG	<b>bk</b>	Brian Keyte, Bookham, Surrey
ENG	<b>hh</b>	Brian Heath, Stapleton, Leicestershire
ENG	<b>me</b>	Mike Thayne, Whitley Bay
ENG	<b>px</b>	Peter Greatorex, Bolsover, Derbyshire
ENG	<b>re</b>	Ray Evans, Bolsover, Derbyshire
FIN	<b>ks</b>	Kari Syrjänen, Aitomaki, near Kouvola
FIN	<b>r0</b>	Raimo Karjalainen, while at Siikalatva, Rantsila
FIN	<b>ro</b>	Raimo Karjalainen, Laukaa, near Jyvaskyla
FRA	<b>jj</b>	Jean Jacquemin, Trepied, near Le Touquet
HOL	<b>rb</b>	Roelof Bakker, Middelburg, Zeeland
ITA	<b>rz</b>	Roberto Rizzardi, Porto Santo Stefano (GR)
ITA	<b>ti</b>	Daniele Tincani, Livorno
POL	<b>ls</b>	Leslaw Sieron, Near Lodz
SAR	<b>gc</b>	Giorgio Casu, San Gavino Monreale
SCT	<b>ds</b>	David Atkins, Tighnabruaich, Argyll
SUI	<b>ps</b>	Peter Schleuss, Winterthur

For full details, please see the individual reporters' logs,  
as previously posted by them to the List.  
If you spot an omission or problem in your own details below  
please let me know ( ndbcle'at'gmail.com  
- replace the 'at' by an @ symbol )



295			MKD-PT			MKD-PT										MKD-PT		MKD-PT	HNG-DC	MKD-PT					295	
296						SVN-MG										SVN-MG				SVN-MG						296
297			MKD-PEP			MKD-PEP										MKD-PEP			FRA-GA	DEU-FR	MKD-PEP					297
299			FRA-BO																	DEU-SL	FRA-BO					299
300			SWE-SC			IRN-TBZ			SRB-PV		SRB-PV		SWE-SC		SWE-SC		SRB-PV		SRB-PV	POL-NE	SRB-PV					300
301								FRA-RTN								FRA-RTN		FRA-RTN						FRA-RTN		301
302			FRA-ROM			MNE-NIK			MNE-NIK		FRA-ROM		RUS-CHB				MNE-NIK		MNE-NIK	MNE-NIK	MNE-NIK					302
303			RUS-PU			RUS-PU			NOR-KPG		NOR-KPG		RUS-PU		NOR-KPG	NOR-KPG	NOR-KPG		AUT-RTT	AUT-RTT						303
304						ALG-MOK							RUS-BF								RUS-BF					304
305			BUL-GOR			CAN-LT						FIN-S	FIN-S	FIN-S				CAN-YQ			BUL-GOR					305
306			ITA-PAR			ITA-PAR			ITA-PAR		ITA-PAR							ITA-PAR		ITA-PAR	HNG-TPS	HNG-TPS				306
307			RUS-LA			RUS-LA		LUX-DIK	LUX-DIK		LUX-DIK		LUX-DIK			LUX-DIK		LUX-DIK		LUX-DIK	RUS-LA					307
308			MNE-MOJ			ESP-VT			MNE-MOJ		MNE-MOJ		BLR-G					BLR-G		MNE-MOJ	MNE-MOJ	MNE-MOJ				308
309			SWE-LG			FRA-DO			FRA-DO				SWE-LG		SWE-LG		FRA-DO		FRA-DO	DEU-MW	FRA-DO					309
310			SVK-DBV			LBY-VA			FIN-KUR				FIN-KUR	FIN-KUR	FIN-KUR				SVK-DBV		ESP-AMN	FIN-KUR	ESP-AMN			310
311			DEU-CEL					DEU-LMA	DEU-CEL		DEU-LMA		DEU-CEL				DEU-LMA		DEU-NSN		DEU-LMA	DEU-LMA				311
312			BUL-BOZ			BUL-BOZ			BUL-BOZ				SWE-DJ		SWE-DJ			BUL-BOZ	ITA-TAQ	BUL-BOZ	MNE-DAN	BUL-BOZ				312
313			AUT-KI			AUT-KI			AUT-AB				AUT-AB					AUT-KI		AUT-AB	AUT-AB	AUT-KI				313
314						GRC-FIS		BEL-OZ	BEL-OZ		BEL-OZ		BEL-OZ				BEL-OZ		BEL-OZ		BEL-OZ					314
315			DEU-PAH			TUR-EN		FRA-HOL	DEU-PAH		FRA-HOL				FIN-D		FRA-HOL				DEU-PAH					315
316			HRV-TNJ			SAR-CAL	IRL-OE	IRL-OE	HRV-TNJ		IRL-OE		ENG-EPM		BRI-BJO	ENG-EPM	BRI-BJO		SAR-CAL	HRV-TNJ	SAR-CAL					316
317			EST-OZ			LBY-KFR	EST-OZ	FRA-VS	EST-OZ		FRA-VS		EST-OZ	EST-OZ	EST-OZ		FRA-VS		NOR-STT		EST-OZ					317

318			FRA-BE			ROU-OTR	ENG-BPL	ENG-BPL	HRV-KLP		ENG-BPL		LUX-LE		SWE-LP	FRA-BE	HRV-KLP	ITA-GEN	HRV-KLP	HRV-KLP	HRV-KLP			318
319			NOR-VAR			ESP-ECV	NOR-VAR	NOR-VAR	NOR-VAR		NOR-VAR		NOR-VAR	NOR-VAR	NOR-VAR	NOR-VAR	ESP-ECV		ESP-ECV	NOR-VAR	ESP-ECV			319
320			FRA-VE			RUS-RN	WLS-CAE	FRA-LSU	FRA-LSU		FRA-LSU		RUS-DM		SWE-OL	DEU-HA	SWE-OL		XUE-ATBCN	XUE-ATBCN	FRA-VE			320
321			BUL-BU			BUL-BU	DNK-VO	FRA-ABY	DEU-GL		FRA-ABY		DEU-GL			FRA-ABY	BUL-BU		FRA-TL	DEU-GL	BUL-BU			321
322			SWE-OD			TKM-VH	ENG-LCY	ENG-LCY	FRA-TLN		ENG-LCY		SWE-OU		SWE-OU	ENG-LCY	SWE-OD	FRA-TLN	FRA-TLN	FRA-TLN	FRA-TLN			322
323			FRA-AB			FRA-AB	ENG-SBL	BEL-ONC	BEL-ONC		BEL-ONC		BEL-ONC			BEL-ONC	ENG-SBL		FRA-AB	BEL-ONC	FRA-AB			323
324			FIN-AS			RUS-RF	SWE-ON		FIN-AS		FIN-AS		FIN-AS	FIN-AS	SWE-ON	FIN-AS	FIN-AS			ITA-PTC	ITA-PTC			324
325	ITA-RCA	SWE-PG	ITA-RCA	ITA-RCA	DEU-DP	ITA-RCA	FIN-JOE	ESP-AST	SWE-PG	ITA-RCA	ITA-RCA	SWE-PG	SWE-PG		RUS-OD	ITA-RCA	ITA-RCA	COR-FA	HRV-VG	HRV-VG	COR-FA	ESP-AST		325
326	SWE-OG	FIN-SUI	FIN-SUI	POL-KTW	POL-KTW	RUS-DD	XOE-YW	XOE-YW	SWE-OG	HNG-C	XOE-YW	FRA-LM	FIN-SUI	FIN-SUI	RUS-DD	FRA-LM	XOE-YW			XOE-YW		FRA-LM		326
327	AUT-LNZ	ITA-OST	SWE-Y	DEU-LV	FRA-MVC	LBY-NC8	POR-POR	POR-POR	AUT-LNZ	POR-POR	POR-POR	POR-POR	SWE-Y		SWE-Y	POR-POR	SWE-Y	ITA-OST	AUT-LNZ	AUT-LNZ	POR-POR	POR-POR	AUT-LNZ	327
328		FIN-KIT	DNK-VJ	DNK-VJ	DNK-VJ	ESP-HIG		ENG-CL	DNK-VJ	ESP-HIG	ESP-HIG	ENG-CL	SWE-DK	SWE-DK	SWE-DK	ESP-HIG			ESP-HIG	FIN-KIT		ESP-HIG		328
329	HNG-HA	SWE-WU	NOR-NMS	SWE-VX	SWE-WU	UKR-OT	SWE-VX	JSY-JW	HNG-HA	HNG-HA	JSY-JW	JSY-JW	NOR-NMS	SWE-WU	SWE-WU	NOR-NMS	CAN-YEK		HNG-HA	HNG-HA	SCY-PRS	SWE-VX		329
330	SVK-OB	SWE-SKS	SWE-SKS	HRV-ZRA	DEU-ABU	TUR-KAD	DEU-ABU	HOL-SO	HOL-SO	SVK-OB	HOL-SO	FRA-MB	RUS-PM	SWE-LNA	SWE-SKS	SWE-SKS	ISL-RF		HRV-ZRA	SWE-LNA	ESP-AI		FRA-MB	330
331	SAR-DEC		SAR-DEC	SAR-DEC		SAR-DEC	ENG-GST	FRA-TUR	ENG-GST	ITA-GRT	ENG-GST	ENG-GST	SAR-DEC			ISR-LL	ITA-GRT		SAR-DEC	ITA-GRT	SAR-DEC	SCT-GLW	SAR-DEC	331
332	ITA-PDA	RUS-MR	ITA-PDA	ITA-PDA	ITA-PDA	POR-FAR	NIR-OY	POR-FAR	ITA-PDA	POR-FAR	FRA-LL	FRA-LL	ITA-PDA			POR-FAR	POR-FAR		POR-FAR	ITA-PDA	MNE-RO	NIR-OY	ITA-PDA	332
333	DEU-PI	FIN-G	FIN-G	SWE-LE	DEU-PI	FIN-G	XOE-GFC		FIN-G	FIN-G	XOE-GFC	XUE-P		FIN-G	SWE-LE	FIN-G	FIN-G			FIN-G				333
334	SVN-MR	SVN-MR	IRL-GMN	UKR-VI	DNK-FAU	RUS-K	IRL-GMN	FRA-POY	IRL-GMN	UKR-VI	IRL-GMN	FRA-DX	FIN-S		FIN-S	FRA-POY	ISL-AR		SVN-MR	UKR-VI	FRA-SAL	IRL-GMN	SVN-MR	334
335	SCY-PAN		SCY-PAN	SCY-PAN	SCY-PAN	UKR-DR	ENG-WCO	ENG-WCO	HNG-BL	HNG-BL	ESP-TON	FRA-MC	SWE-NAK		SWE-NAK	ESP-TON	SUI-BER		SUI-BER	SUI-BER	SCY-PAN	ENG-WCO	SUI-BER	335
336		SWE-LT	NOR-RS	SWE-LT	SWE-LT	FIN-M	NOR-BTA	NOR-BTA	SWE-LT	NOR-BTA	NOR-BTA	NOR-BTA	FIN-M	NOR-BTA	NOR-RS	NOR-BTA	NOR-RS			NOR-BTA				336
337	FRO-MY	SAR-AH	SAR-AH	SAR-AH	FRO-MY	IRN-IFN	ENG-WTN	FRO-MY	SAR-AH	SAR-AH	FRO-MY	ENG-WTN	DEU-LHR		FRO-MY	FRO-MY	SAR-AH		SAR-AH	SAR-AH	SAR-AH	DEU-LHR	DEU-LHR	337
338	SWE-OA	FRA-NC	SWE-OA	SWE-OA	SWE-OA	MDR-PST	ENG-FNY	FRA-GU	SWE-OA	MDR-PST	MDR-PST	ENG-FNY	SWE-OA		SWE-OA	MDR-PST	MDR-PST		FRA-NC	ROU-TIM	FRA-NC	SWE-OA	SWE-OA	338
339	FRA-FG	FIN-V	FIN-V	FRA-NE	FRA-NE	FIN-V	NOR-LS	FRA-GI	ENG-BIA	FIN-V	ENG-BIA	ENG-BIA	FIN-V	FIN-V	FIN-V	ENG-BIA	NOR-LS		FRA-NE	FIN-V	FRA-FG	FRA-NE	FRA-NE	339

340	BIH-BLK	FIN-KAI	XOE-HEI	FIN-KAI	FIN-KAI	CAN-YY	WLS-HAW	WLS-HAW	ITA-FOG	FIN-KAI	ENG-LSH	WLS-HAW	FIN-KAI		XOE-HEI	XOE-HEI	CAN-YY		BIH-BLK	WLS-HAW	BIH-BLK	WLS-HAW	BIH-BLK	340
341	SWE-NKS	SWE-NKS	COR-IS	COR-IS	COR-IS	IRN-BUZ	DNK-LO	DNK-LO	DNK-LO	AZR-GP	SCT-EDN	FRA-BZ			SWE-NKS	FRA-AMB	COR-IS		COR-IS	COR-IS	FRA-BZ	SCT-EDN	COR-IS	341
342	ALG-OA	NOR-LL	ALG-OA	NOR-LL	ITA-PES	ALG-OA		FRA-VA	NOR-LL	ITA-PES		NOR-LL	RUS-PPK	NOR-LL	NOR-LL	NOR-LL	ALG-OA		ALG-OA	ITA-PES	ALG-OA	NOR-LL	ALG-OA	342
343	ITA-GRA	ITA-GRA	ITA-GRA	LTU-KUS	DEU-SBN	ITA-GRA	LTU-KUS	ENG-YVL	LTU-KUS	HNG-A	ENG-YVL	ENG-YVL	LTU-KUS	LTU-KUS	LTU-KUS	ITA-GRA	LTU-KUS		FRA-AR	LTU-KUS	FRA-AR	ENG-YVL		343
344	BAL-MN	BAL-MN	BAL-MN	BAL-MN	DEU-CB	BAL-MN	SCT-WCK	DEU-HN	DEU-CB	BAL-MN	BAL-MN	SCT-WCK	SCT-WCK		FIN-L	DEU-HN	SCT-WCK		BAL-MN	HRV-VAR	BAL-MN	SCT-WCK		344
345	ITA-FW	FIN-SUS	FIN-SUS	ITA-TZO	POL-NB	GRC-THS	ENG-LUT	FRA-LN	ENG-LUT	ITA-FW	FRA-LN	FRA-LN	FIN-SUS	FIN-SUS	NOR-BN	ENG-LUT	FIN-SUS	ITA-FW	FRA-CS	POL-NB		FRA-LN	DEU-IGL	345
346	FIN-MI	SWE-GS	FIN-MI	SWE-GS	LUX-WLU	FIN-MI	FRA-LHO	FRA-LHO	FRA-LHO	FIN-MI	LUX-WLU	FRA-LHO	FIN-MI	SWE-GS	SWE-GS	FRA-LHO	FIN-MI		FRA-CH	SWE-GS	FRA-CH	SWE-GS	LUX-WLU	346
347	FRA-CVT		FRA-CVT	FRA-CVT	FRA-CVT	TUR-SAB			ENG-NQY	FRA-CVT	FRA-CVT	FRA-CVT	FRA-CVT			FRA-CVT	ENG-NQY			ENG-NQY	ENG-NQY	ENG-NQY	FRA-CVT	347
348	SRB-TPL	SWE-WA	SWE-WA	SRB-TPL	SRB-TPL	NOR-SAD	SWE-WA	ENG-FOS	HNG-SVR	HNG-SVR	ENG-FOS	SCT-ATF	SWE-WA		SRB-TPL	NOR-SAD	FRO-VG		FRA-CL	HRV-ZK	HNG-SVR	SCT-ATF	SRB-TPL	348
349	ROU-OPE		NOR-TAR		FRA-RS	ROU-OPE	ENG-KMB	FRA-RS	ROU-OPE	NOR-TAR	ENG-KMB	ENG-KMB			SWE-JX	NOR-TAR	NOR-TAR			SWE-JX				349
350	BUL-DWN	FIN-LAA	CAN-DF	BUL-DWN	DEU-FU	CAN-DF	FIN-LAA		BUL-DWN	CAN-DF	DEU-FU	FIN-LAA		FIN-LAA	FIN-LAA	FIN-LAA	CAN-DF		ITA-BLA	HRV-SK	BUL-DWN	DEU-FU	BUL-DWN	350
351	ROU-ISI	SWE-OV	FIN-SAV	FIN-ISI	SWE-OV	BAL-CST		FRA-OSA	ROU-ISI	ROU-ISI	FRA-DSA	FRA-DSA		SWE-OV	ROU-ISI	FRA-DSA	ISL-BL		FRA-BSC	SWE-OV	SWE-OV	SWE-OV	ROU-ISI	351
352	DEU-LAA	FIN-PSJ	FIN-PSJ	FIN-PSJ	DEU-LAA	TUR-BRY	ENG-WOD	ENG-NT	DEU-LAA	FIN-PSJ	ENG-NT	DEU-LAA	FIN-PSJ	FIN-PSJ	FIN-PSJ	ENG-WOD	FIN-PSJ			FIN-PSJ		ENG-NT		352
353	ALG-BNA	DEU-KIL	ALG-BNA	ALG-BNA	POL-KRW	ALG-BNA		FRA-SB	POL-KRW	POL-KRW	DEU-KIL	XOE-OBA	POL-KRW	XOE-OBA	POL-KRW	POL-KRW	ALG-BNA		ALG-BNA	POL-KRW	POL-KRW	DEU-KIL	POL-KRW	353
354	FRA-MTZ	FRA-MTZ	FRA-MTZ	FRA-MTZ	FRA-MTZ	FRA-CGC	FRA-MTZ	FRA-CGC	HNG-GYR	FIN-G	FRA-MTZ	FRA-MTZ	HNG-GYR		FIN-G	FRA-MTZ	HNG-GYR	ITA-FE	FRA-CGC	HNG-GYR	HNG-GYR	FRA-CGC	FRA-MTZ	354
355	SRB-OBR	BIH-MA	BIH-MA	FIN-J	DEU-DRW	IRN-ARB	SCT-PIK	BEL-ONW	SRB-OBR	SRB-OBR	BEL-ONW	BEL-ONW	FIN-J		SRB-OBR	BEL-ONW	ISL-RK		BIH-MA	SRB-OBR	SRB-OBR	SCT-PIK	SVN-MI	355
356			ESP-SGO			CAN-AY	ENG-WBA	ENG-WBA	ENG-WBA	CAN-AY	ESP-SGO	ENG-WBA				CAN-AY	CAN-AY		FRA-CVU	TUR-ANK		ENG-WBA	ESP-SGO	356
357	SAR-SME	SAR-SME	HNG-L	SAR-SME	DEU-DWI		FRA-LP	FRA-LP	HNG-L	HNG-L	DEU-DWI	FRA-LP			DEU-SKZ	FRA-LP	HOL-VZ		SAR-SME	DEU-SKZ	SAR-SME	DEU-DWI		357
358	AUT-TUN	FRA-RNN	NOR-GRK	NOR-GRK	DEU-HW	NOR-GRK	FRA-LT	FRA-LT	AUT-TUN	AUT-TUN	AUT-TUN	FRA-LT	NOR-GRK	NOR-GRK	AUT-TUN	FRA-LT	CAN-NL		FRA-BRS	AUT-TUN	AUT-TUN	FRA-RNN	DEU-MSE	358
359				FRA-LOR	FRA-LOR	IOM-RWY	IOM-RWY	FRA-LOR	FRA-LOR	POR-CA	FRA-LOR	FRA-LOR				FRA-LOR	IOM-RWY		FRA-LOR	FRA-LOR	FRA-LOR	FRA-LOR		359
360	ROU-O	UKR-KI	RUS-TS	ROU-O	DEU-SR	ASC-ASN	SWE-OS		DEU-SR	ASC-ASN	DEU-SR	NOR-ULV		NOR-ULV	ROU-O	NOR-ULV	ASC-ASN		ROU-O	RUS-TS	LBY-LOR		ROU-O	360
361	FIN-LIE	FIN-RO	FIN-RO	FIN-LIE	FIN-LIE	FIN-RO	FIN-LIE		FIN-LIE	FIN-RO	IRL-CFN	FRA-NB	FIN-LIE	FIN-RO	FIN-LIE	FIN-LIE	IRL-CFN		FRA-NB	FIN-LIE	FRA-NB	IRL-CFN	FIN-LIE	361

362	ITA-BZO	GRC-LSA	GRC-LSA	GRC-LSA	ITA-BZO	JMY-JAN	SWE-NN		ITA-BZO	JMY-JAN	ITA-BZO	ITA-BZO			SWE-NN	ITA-BZO	JMY-JAN		ITA-BZO	ITA-BZO	ITA-BZO		ITA-BZO	362
363	SWE-OEM	SWE-OEM	TUR-CIG	SWE-OEM	SWE-OEM	TUR-CIG		FRA-PI	SWE-OEM	SWE-OEM	FRA-PI	FRA-PI			SWE-OEM	SWE-OEM	FRA-PI	TUR-CIG		FRA-PI	SWE-OEM			363
364	ITA-MAL	SWE-NW	SWE-NW	SWE-NW	ITA-MAL	SWE-VNA	FRA-PU		ITA-MAL	FRA-PU	IRL-KNK	FRA-PU	SWE-VNA	SWE-VNA	FIN-B	FRA-PU	SWE-VNA		ITA-MAL	SWE-NW		IRL-KNK		364
365	DEU-LJ	FIN-VS	FIN-VS	FIN-VS	CZE-L	CNR-VR	FIN-VS	DEU-LJ	DEU-LJ	CNR-VR	DEU-LJ	DEU-LJ	FIN-VS	FIN-VS	FIN-VS	CNR-VR	CNR-VR		COR-RB	FIN-VS	COR-RB	DEU-LJ	COR-RB	365
366	SWE-SF	SWE-KM	NOR-UTH	SWE-KM	SWE-KM	SWE-SF	NOR-UTH		SWE-SF	ESP-COR	NOR-UTH	NOR-UTH	NOR-UTH	NOR-UTH	SWE-KM	NOR-UTH	ISL-HK			SWE-KM	FRA-ADC	NOR-UTH	FRA-ADC	366
367	HRV-ZAG	HRV-ZAG	HRV-ZAG	HRV-ZAG	HRV-ZAG	FRA-CF	FRA-CF	FRA-VAT	FRA-VAT	POR-PG	FRA-VAT	FRA-VAT			HRV-ZAG	HRV-ZAG	HRV-ZAG	HRV-ZAG	FRA-VAT	HRV-ZAG	HRV-ZAG		HRV-ZAG	367
368	DEU-BYC	DNK-RK	IRL-WTD	DNK-RK	DEU-BYC	RUS-G			DEU-BYC	SWE-OY	IRL-WTD	IRL-WTD			FIN-SK	FRA-TLB	FIN-SK		DEU-BYC	DNK-RK	IRL-WTD	DEU-BYC		368
369	HRV-VRS	HRV-VRS	SWE-OO	HRV-VRS	DEU-MNE	ATG-ZDX	NOR-STG	FRA-GL	HOL-PS	HRV-VRS	HRV-VRS	FRA-GL	SWE-OO	SWE-OS	SWE-OO	ENG-RCH	DNK-KA	COR-BP	COR-BP	HRV-VRS	COR-BP	FRA-GL	DEU-MNE	369
370	BIH-GAC	SWE-L	FIN-JR	ROU-OTL	DEU-PSA	IRN-UMH	FIN-JR	ENG-CUL	BIH-GAC	BIH-GAC	DEU-PSA	ENG-CUL		FIN-JR	BIH-GAC	BIH-GAC	FIN-JR		FRA-BSV	BIH-GAC	FRA-BSV	DEU-PSA	FRA-BSV	370
371	SAR-CAG	NOR-HAA	NOR-HAA	ITA-LEV	DEU-MYN	SAR-CAG	NOR-BRS	POR-STR	DEU-MYN	POR-STR	ITA-LEV	FRA-MLX	NOR-HAA	NOR-HAA	NOR-BRS	POR-STR	POR-STR		ITA-LEV	ITA-RIV	SAR-CAG	POR-STR		371
372	HRV-CE	NOR-ODR	GRL-OZN	NOR-ODR	NOR-ODR	GRL-OZN	GRL-OZN	NOR-ODR	HRV-CE	GRL-OZN	GRL-OZN	NOR-ODR	NOR-ODR	NOR-ODR	NOR-ODR	GRL-OZN	GRL-OZN		HRV-CE	GRL-OZN	FRA-CSM	NOR-ODR	NOR-ODR	372
373	SCY-LPD	FIN-KEM	FIN-KEM	FIN-KEM	FIN-KEM	SCY-LPD	FIN-KEM	FRA-MP	HOL-NW	ROU-D	FRA-MP	FRA-MP	FIN-KEM	FIN-KEM	FIN-KEM	FIN-KEM	ISL-TN		FRA-LCT	FIN-KEM	FRA-LCT		SCY-LPD	373
374	HNG-BKS	AUT-KFT	FRA-BGC		DEU-FS	NOR-FLV	FRA-BGC		AUT-KFT	HNG-BKS	AUT-KFT	FRA-BGC			FIN-S	FRA-BGC	NOR-FLV		FRA-BGC	HNG-BKS		FRA-BGC		374
375	SUI-GLA	SWE-RB	SWE-RB	SUI-GLA	SWE-RB	ISL-VM	SWE-RB	XOE-TR	POL-CHO	ISL-VM	ISL-VM	FRA-BRG	POL-CHO	SWE-KD	POL-CHO	ISL-VM	FIN-HET		COR-CV	POL-CHO	POL-CHO	ISL-VM	POL-CHO	375
376	DEU-HAN	DEU-HAN	FRA-BS		DEU-HAN	CNR-HIE	POR-BJA	POR-BJA	DEU-HAN	CNR-HIE	POR-BJA	DEU-HAN				DEU-HAN	CNR-HIE		DEU-HAN	DEU-HAN		DEU-HAN		376
377	SWE-SM	SWE-KN	SWE-KN	SWE-KN	SWE-KN	FIN-B	SWE-KN		SWE-KN	FIN-B	SWE-KN		FIN-B	SWE-OL	SWE-KN		ISL-GA			SWE-KN				377
378	ROU-TA	SWE-OS	SWE-OS	SWE-OS	SWE-OS	CAN-HO	IRL-KLY		IRL-KLY	CAN-HO	SWE-OS	NOR-RSY	SWE-OS		NOR-HTK	IRL-KLY	CAN-HO		FRA-LU	SWE-OS	HRV-TRI	IRL-KLY	FRA-LU	378
379	ITA-PIS	POL-KRA	NOR-REK	ITA-VEN	NOR-REK	NOR-REK	NOR-REK	NOR-REK	ITA-PIS	ITA-PIS	NOR-REK	NOR-REK	NOR-REK		NOR-REK	NOR-REK	NOR-REK	ITA-PIS	ITA-PIS	ITA-VEN	ITA-VEN	NOR-REK	ITA-PIS	379
380	FRA-HO	SWE-LF	NOR-FLR	SWE-LF	SWE-LF	AZR-FIL	SCT-CBL	FRA-RQ	AZR-FIL	AZR-FIL	FRA-RQ	FRA-RQ	SWE-LF		FIN-TOL	AZR-FIL	AZR-FIL		FRA-HO	SWE-LF	ESP-VNV	SCT-CBL	FRA-HO	380
381	ROU-SIB	BIH-AS	NOR-RG	ROU-SIB	NOR-RG	ROU-SIB	NOR-RG		ROU-SIB	ROU-SIB		NOR-RG	SWE-AN		NOR-RG		ROU-SIB			BIH-AS		NOR-RG		381
382	AUT-SBG	AUT-SBG	GRC-EGN	DEU-FW	AUT-SBG	POR-LAR	AUT-SBG	POR-LAR	ITA-GAZ	POR-LAR	AUT-SBG	POR-LAR	FIN-IJ		AUT-SBG	POR-LAR	FIN-IJ		ITA-GAZ	AUT-SBG	SAR-ALG	AUT-SBG	AUT-SBG	382
383	HNG-EN	SWE-ERK	SWE-ERK	SWE-ERK	FRA-MAR				FRA-MAR	BIH-NA	GSY-ALD	GSY-ALD		SWE-ERK	SWE-ERK	GSY-ALD	GSY-ALD		FRA-MAR	GSY-ALD	FRA-MAR	GSY-ALD	FRA-MAR	383

384	FRA-PMR	FRA-AT	SWE-TY	ROU-IAS	FRA-AT	BAL-ADX	IRL-SLG		SWE-TY	BAL-ADX	IRL-SLG	IRL-SLG	SWE-TY		SWE-TY	FRA-PMR	BAL-ADX		FRA-AT	FRA-AT	BAL-ADX	FRA-PMR	FRA-AT	384
385	POL-NWT	LTU-AVN	FRA-CSC	POL-NWT	POL-NWT	UKR-JA	POL-NWT	FRA-OAN	LTU-AVN	HRV-BO	ENG-LOU	HRV-BO	POL-NWT	POL-NWT	LTU-AVN	FRA-OAN	POL-NWT		FRA-CSC	POL-NWT		LTU-AVN	FRA-CSC	385
386	EST-O	EST-O	EST-O	ITA-LNE	CZE-RAK	HNG-PTB	ENG-BZ	HOL-STD	HNG-PTB	HNG-PTB	HOL-STD	ENG-BZ	EST-O	EST-O	EST-O	ENG-BZ	EST-O		ITA-LNE	EST-O	ITA-LNE	ENG-BZ	CZE-RAK	386
387		FIN-JL	FIN-JL	FIN-JL	COR-CT	FIN-JL	IRL-CML	FRA-BGP	RUS-MA	FIN-JL	FRA-ING	FRA-RZ	FIN-JL	FIN-JL	FIN-JL	FRA-ING	FIN-JL		COR-CT	FIN-JL	COR-CT	IRL-CML	PAK-MT	387
388	POL-BDG	FIN-KRU	SWE-COR	SWE-COR	SWE-COR	FIN-KRU	FIN-KRU	FRA-LOU	POL-BDG	FIN-KRU	POL-BDG	SWE-COR	POL-BDG	FIN-KRU	POL-BDG	FRA-LOU			POL-BDG	POL-BDG	FRA-BR		POL-BDG	388
389	NOR-MR	NOR-MR	NOR-HN	NOR-MR	NOR-MR	POR-CP	FRA-PX	POR-CP	POR-CP	CNR-BX	ESP-ZRZ	NOR-MR	NOR-MR		NOR-MR	NOR-MR	MRC-KNT		POR-CP	NOR-MR	CNR-BX	POR-CP		389
390	POL-BBM	SRB-VAL	FRA-DR	ITA-AVI	ITA-AVI	CAN-JT	FRA-DR	FRA-DR	ITA-AVI	CAN-JT	FRA-DR	FRA-DR	POL-BBM	POL-BBM	POL-BBM	FRA-DR	CAN-JT	SRB-VAL	ITA-AVI	ITA-AVI			ITA-AVI	390
391	SVK-OKR	SVK-OKR	SVK-OKR	SVK-OKR	SVK-OKR	PTR-DDP	FRA-CC	FRA-BV	SVK-OKR	PTR-DDP	FRA-BV	FRA-BV	SVK-OKR		SVK-OKR	FRA-BV	PTR-DDP		SVK-OKR	SVK-OKR			SVK-OKR	391
392		FIN-RAN	LBY-LAB	FIN-RAN	DEU-RW	ISL-KF		FRA-AS	FIN-RAN	FIN-RAN		FRA-AS	FIN-RAN	FIN-RAN	FIN-RAN	FRA-AS	CAN-ML		DEU-RW	FIN-RAN			DEU-RW	392
393		FRA-BD	FRA-BD	NOR-TAT	FRA-BD	IRN-RST	ENG-EMW	ENG-EMW	ENG-EMW	FRA-BD	FRA-BD	FRA-BD	NOR-TAT	NOR-TAT	NOR-TAT	FRA-BD	ISL-VP		FRA-BD	NOR-TAT	FRA-BD	FRA-BD		393
394	SVN-MEL	BAL-IZA	BAL-IZA	BAL-IZA	DEU-LYE	BAL-IZA	FRA-NV	FRA-NV	FRA-NV	BAL-IZA	SCT-DND	BAL-IZA	SWE-NB	SWE-NB		BAL-IZA	BAL-IZA		BAL-IZA	FRA-NV	BAL-IZA	SCT-DND	BAL-IZA	394
395	MLT-MLT	MLT-MLT	MLT-MLT	MLT-MLT	MLT-MLT	IRN-TBS	IRL-FOY	HOL-OA	MLT-MLT	HNG-BR	IRL-FOY	ESP-B	HNG-BR		HNG-BR	IRL-FOY	MLT-MLT		MLT-MLT	HNG-BR	MLT-MLT	SCT-LAY	MLT-MLT	395
396	ITA-RON	NOR-YG	NOR-YG	ITA-RON	ITA-RON	CAN-JC			NOR-YG	CAN-JC	CAN-JC	NOR-YG	NOR-YG	NOR-YG	NOR-YG	NOR-YG	CAN-JC		ITA-RON	NOR-YG	ITA-RON	FRA-ROC	ITA-RON	396
397	HRV-CV	POL-OL	SWE-LM	HRV-CV	POL-OL	FRA-ZR	IRL-OP	HOL-EHN	ENG-LZD	CNR-FV	FRA-PO	IRL-OP	EST-UM		SWE-LM	ENG-LZD	ALG-CHE		FRA-EG	SWE-LM	ALG-CNE	IRL-OP	FRA-EG	397
398	ITA-PRU	FIN-ESS	SWE-PEO	ITA-PRU	DNK-GL	IRL-OK	IRL-OK	FRA-MT	ITA-PRU	ITA-PRU	FRA-MT	FRA-MT	FIN-ESS	SWE-PEO	SWE-PEO	IRL-OK	FIN-ESS	ITA-PRU	FRA-MT	ITA-PRU	ITA-PRU	IRL-OK	ITA-PRU	398
399		SWE-FM	SCT-NGY	SWE-FM	DEU-TST	ESP-EAG		SCT-NGY	SCT-NGY	ESP-EAG	ESP-EAG	SWE-FM	SWE-FM	SWE-FM	SWE-FM	ESP-EAG	ESP-EAG		DEU-TST	SWE-FM	ESP-EAG	SCT-NGY		399
400	HRV-BRZ	SWE-EN	SWE-EN		SWE-EN	RUS-I	FRA-AG		ITA-TEA	HRV-BRZ		FRA-AG		NOR-NTD	SWE-EN	FRA-AG	SWE-EN	HRV-BRZ	FRA-AG	HNG-BC	ITA-TEA			400
401			BAL-PTC	ITA-BPL	ITA-BPL	GRC-MKO	FRA-LA	FRA-LA	ITA-BPL	BAL-PTC		FRA-LA	NOR-RBU	NOR-RBU	NOR-RBU	ESP-COA	MRC-ALU		ITA-BPL	ITA-BPL	BAL-PTC	SCT-BBA		401
402	UKR-TM	SAR-CAR	UKR-TM	UKR-TM	UKR-TM	UKR-TM		BEL-OP	SAR-CAR	UKR-TM	BEL-OP	BEL-OP	SWE-LX		SWE-LX	FRA-DA	UKR-TM		SAR-CAR	UKR-TM	SAR-CAR		SAR-CAR	402
403	SUI-LPS	TUR-TKT	SWE-OJ	SWE-NM	SWE-OJ	SWE-NM	FRA-VZ		SUI-LPS	HNG-M	SWE-NM	FRA-VZ	SWE-NM		SWE-NM	FRA-VZ	GRC-KEK		SUI-LPS	SWE-NM			SUI-LPS	403
404	ROU-BMR	FIN-Y	FIN-Y	ROU-BMR	LUX-LW	ESP-LRD	ESP-LRD	ESP-LRD	ROU-BMR	FIN-Y	ROU-BMR	ESP-LRD		FIN-Y	FIN-Y	ESP-LRD	NOR-KG		ESP-LRD	ESP-LRD	FRA-AGO	SCT-OBN		404
405	SRB-JST	SRB-JST	SWE-AV	SRB-JST	DEU-GRW	RUS-UM			ITA-VIE	SRB-JST	SWE-AV	SWE-AV	RUS-FP	SWE-AV	RUS-FP	SWE-AV	SRB-JST		SRB-JST	SRB-JST	ITA-VIE			405

406			FRA-MJ	DEU-HOZ	DEU-HOZ	FIN-V	FRA-TW		DEU-HOZ	FRA-MJ		ENG-BHX			FIN-V	ENG-BHX	FRA-TW		FRA-MJ	DEU-HOZ						406
407	LTU-PN	DEU-LUP	SCY-CTF	SCY-CTF	DEU-LUP	ALG-BCR	DEU-LUP		LTU-PN	LTU-PN	SCY-CTF	ALG-BCR	LTU-PN	LTU-PN		DEU-LUP	CAN-ZHU		SCY-CTF	TUR-KSR	SCY-CTF	DEU-LUP	DEU-LUP		407	
408	AUT-BRK	ITA-CHI	ROU-TSR	ITA-CHI	AUT-BRK	FIN-O	AUT-BRK		ITA-CHI	FIN-O	AUT-BRK	AUT-BRK	AUT-BRK		AUT-BRK	AUT-BRK	ROU-TSR	AUT-BRK	AUT-BRK	AUT-BRK	AUT-BRK	AUT-BRK	AUT-BRK		408	
409	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG		SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG	SWE-SG			SWE-SG		SWE-SG			409	
410	KAL-K	AUT-SI	KAL-K	KAL-K	AUT-SI	RUS-SF	ESP-C	FRA-ETN	AUT-SI	KAL-K	FRA-ETN	ESP-C	KAL-K	KAL-K	RUS-SF	ESP-C	KAL-K		AUT-SI	AUT-SI		ESP-C	AUT-SI		410	
411		FIN-M																							411	
412	HRV-HUM	FRA-SE	ESP-GRN	HNG-PP	HNG-PP	SCY-SIG	ESP-GRN		HNG-PP	SCY-SIG	FRA-SE	SCY-SIG	FRA-SE			ESP-GRN	SCY-SIG		ESP-GRN	HNG-PP	ESP-GRN		HNG-PP		412	
413	ITA-BOA	AUT-KTI	FRA-ALM	ITA-BOA	AUT-KTI	FRA-ALM			ITA-BOA	ITA-BOA	AUT-KTI	AUT-KTI	ITA-BOA			AUT-KTI	MRC-SAK		FRA-ALM	ITA-BOA			ITA-BOA		413	
414	HRV-GR	HRV-GR	NOR-HD	HRV-GR	NOR-HD	RUS-SB	ENG-BRI	ENG-BRI	NOR-HD	NOR-HD	ENG-BRI	ENG-BRI	NOR-HD	NOR-HD	NOR-HD	NOR-HD	NOR-SJA			RUS-SB	HRV-GR	ENG-BRI			414	
415	DEU-RTB	FRA-TOE	DEU-RTB	SWE-OL	DEU-RTB	RUS-DR	FRA-TOE		SWE-OL	FRA-TOE	SWE-OL	FRA-TOE	SWE-OL	SWE-OL	SWE-OL	FRA-TOE	SWE-OL		FRA-TOE	FRA-TOE	FRA-TOE	FRA-TOE	FRA-TOE		415	
416		CZE-V	SRB-POZ	FIN-TOR	FIN-TOR	SRB-POZ	ESP-SA	ESP-SA		CZE-KUN	SRB-POZ		SRB-POZ	FIN-TOR	FIN-TOR	FIN-TOR	SRB-POZ	FIN-TOR	SRB-POZ	SRB-POZ	SRB-POZ	SRB-POZ		SRB-POZ		416
417	SWE-AH	SWE-AH	FRA-AX	SWE-AH	SWE-AH	ESP-SNO	DEU-LI	ENG-ND	ITA-VIC	ESP-SNO	DEU-LI	SWE-AH	SWE-AH		SWE-R	ESP-SNO	ESP-SNO		FRA-AX	SWE-AH	ITA-VIC	SWE-AH	ITA-VIC		417	
418	HRV-DVN	HRV-DVN	HRV-DVN	HRV-DVN	AUT-ZW	FRA-SAL	ROU-ORA	FRA-MK	ROU-ORA	ROU-ORA	FRA-MK	ROU-ORA	ROU-ORA		ROU-ORA	FRA-MK	ROU-ORA	HRV-DVN	HRV-DVN	SVK-PW	ROU-ORA	FRA-MK	HRV-DVN		418	
419	SWE-RD	FRA-EMT	FRA-EMT	SWE-RD	SWE-RD	SWE-RD	FRA-EMT		FRA-EMT	SWE-RD	FRA-EMT	FRA-EMT	SWE-RD	SWE-RD	SWE-RD	FRA-EMT	SWE-RD		FRA-EMT	FRA-EMT	FRA-EMT	FRA-EMT	FRA-EMT		419	
420	HNG-HM	AUT-INN	MNE-GO	HRV-GS	AUT-INN	MNE-GO	NIR-HB	XOE-LGS	HRV-GS	HNG-HM	ESP-SPP	ESP-SPP	HNG-HM			NIR-HB	ESP-SPP	MNE-GO	ITA-ABN	AUT-INN	ITA-ABN	NIR-HB	AUT-INN		420	
421		ITA-FN	SWE-MF	SWE-BL	SWE-MF	SWE-MF	ESP-GE	ENG-BUR	ENG-BUR	ITA-FN	ITA-FN	ENG-BUR	ESP-GE	SWE-BL	SWE-TRU	SWE-MF	ESP-GE	SWE-TRU	ITA-FN	ESP-GE	SWE-MF	ITA-FN	ENG-BUR	SWE-MF		421
422	CZE-UR	HRV-OSJ	HRV-OSJ	HRV-OSJ	CZE-UR	HRV-OSJ	ESP-PAM		ESP-PAM	ESP-PAM	ESP-PAM	ESP-PAM	RUS-RQ		CZE-UR	ESP-PAM	CZE-UR		HRV-OSJ	CZE-UR	CZE-UR	ESP-PAM	CZE-UR		422	
423	POL-NT	SRB-ZO	SRB-ZO	SRB-ZO	ITA-FOR	SRB-ZO	ENG-CWL	ENG-CWL	SRB-ZO	SRB-ZO	ENG-CWL	ENG-CWL	POL-NT	DNK-FE	DNK-FE	DNK-FE	ALG-BJA		ALG-BJA	DNK-FE	ALG-BJA	FRA-TS	ITA-FOR		423	
424	HRV-PIS		HRV-PIS	HRV-PIS	HRV-PIS	ESP-RUS	FRA-LOE		HRV-PIS	HRV-PIS	HRV-PIS	HRV-PIS	HRV-PIS			ESP-RUS	ALG-GRS		HRV-PIS	HRV-PIS	ESP-RUS	FRA-LOE	HRV-PIS		424	
425	SVK-KE	SVK-KE	BIH-DNC	DEU-ERT	DEU-ERT	UKR-PI	POR-EVR		BIH-DNC	SWE-OU	POR-EVR	DEU-ERT	SWE-OU	SWE-OU	SVK-KE		BIH-DNC		BIH-DNC	BIH-DNC	BIH-DNC	DEU-ERT	BIH-DNC		425	
kHz	CZE-fr	CZE-jv	CZE-my	CZE-ze	DEU-bd	DEU-hw	ENG-ag	ENG-bk	ENG-hh	ENG-me	ENG-px	ENG-re	FIN-ks	FIN-r0	FIN-ro	FRA-jj	HOL-rb	ITA-rz	ITA-ti	POL-ls	SAR-gc	SCT-ds	SUI-ps		kHz	
No. of Channels Reported:	95	98	136	100	100	146	111	98	131	100	125	99	132	65	104	119	143	22	122	140	119	87	79			



(/101) (/101) (/101) (/101) (/101) (/101) (/101) (/101) (/101) (/101)

**COUNTRIES HEARD:**

This table shows the number of NDBs logged from each radio country by each reporter.

Cou	Country	CZE fr	CZE jv	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	ENG re	FIN ks	FIN r0	FIN ro	FRA jj	HOL rb	ITA rz	ITA ti	POL ls	SAR gc	SCT ds	SUI ps
ALB	Albania											1					1	1				1		
ALG	Algeria	3	1	2	2	1	5						1	1				5		3		4		1
ASC	Ascension Is.						1				1							1						
ATG	Antigua and Barbuda						1																	
AUT	Austria	4	5	1		6	1	2		5	1	6	2	2		3	2	1	1	7	9	4	2	5
AZR	Azores						1			1	2						1	1						
BAL	Balearic Is.	1	2	3	2		4				4	1	1				1	2		2		5		1
BEL	Belgium	1		1				1	7	3		4	2	3			4	1			2		1	
BIH	Bosnia-Hercegovina	2	2	2			1			2	2				1	1	1	1		3	3	2		2
BLR	Belarus													1				1						
BRI	Bear Is.(Bjornoya)															1		1						
BUL	Bulgaria	1	1	4	1		3			3		1		1			1	3		2	2	4		1
CAN	Canada MB																	1						
CAN	Canada NL			1			7	2			5	1					1	8						
CAN	Canada NU						1											1						
CAN	Canada QC						2	1				1						4						
CNR	Canary Is.						2				4						1	2			1			
COR	Corsica		1	1	2	2								1				1	3	6	1	5		3
CZE	Czech Rep.	2				3				1						1		1			1	2		2
DEU	Germany	8	4	4	4	25	2	4	6	11		10	4	4	1	1	5	2		5	9	2	13	6
DNK	Denmark		1	1	2	3		2	1	2					1	1	1	1			2			
ENG	England							23	19	7		15	13	4			10	2			1	1	11	
ESP	Spain			2			10	5	2	1	5	7	6				11	5		6	1	7	4	1
EST	Estonia	1	1	2				1		1				3	2	2		1			2			
FIN	Finland	2	17	16	9	3	11	7		5	13	1	1	22	19	22	5	12			10			1
FRA	France	5	10	17	4	10	7	18	38	10	5	26	35	3			36	4	1	37	7	26	16	15
FRO	Faroe Is.	1				1			1			1				1	1	1						
GRC	Greece		1	2	1		4											1						
GRL	Greenland			1			1	1			1	1					1	1			1			
GSY	Guernsey											1	1				1	1			1		1	
HNG	Hungary	4		1	1	1	1			7	11			3		1		2		2	9	3		1
HOL	Netherlands							1	6	3		2		2				1						
HRV	Croatia	9	5	5	9	2	1	1		5	4	2	2	2		1	1	3	4	8	10	5		3
IOM	Isle of Man						1	1										1						

IRL	Ireland			2		1	8	1	2		7	3			3	1			1	7		
IRN	Iran					7																
ISL	Iceland					2				1	1				1	8				1		
ISR	Israel														1							
ITA	Italy	12	3	6	15	8	4	1	18	8	6	1	7		3	3	10	16	14	17	1	15
JMY	Jan Mayen					1				1						1						
JSY	Jersey							1			1	1										
KAL	Kaliningrad	1		1	1					1			1	1		1						
LBY	Libya			1		3													1			
LTU	Lithuania	1	1		1			1	3	1			2	2	2	1			1		1	
LUX	Luxembourg					2			1	1			3			1	1		1		2	
MDR	Madeira					1				1	1				1	1						
MKD	Macedonia			2		2					1					2			1	2		
MLT	Malta	1	1	1	1	1			1							1			1		1	
MNE	Montenegro			2		2			2		1					1	1	2	3	3		
MRC	Morocco					1			1							4			1			
NGR	Niger					1										1						
NIR	Northern Ireland						3								1	1					2	
NOR	Norway	1	5	13	5	5	5	8	4	5	3	6	10	13	14	16	13	10		5	5	1
PAK	Pakistan																				1	
POL	Poland	4	2	1	2	5	1	1	3	1	1		7	2	4	1	1		1	7	2	3
POR	Portugal					3	3	6	1	6	3	2				4	2		2		1	3
PTR	Puerto Rico					1				1						1						
ROU	Romania	6		1	6	3	1		5	4	1	1	1		3	3		1	1	1	2	
RUS	Russia (Eu)		1	5		15			2				12		4		1		5			
SAR	Sardinia	3	3	2	3	3			2	1			1			1		5	1	7	2	
SCT	Scotland			1			3	1	1		2	2	1			1					11	
SCY	Sicily	2		2	2	1	2			1	1	1				1		2		4	1	
SHE	Shetland Is.												1			1						
SRB	Serbia	3	4	1	3	2	2		3	4	1	1			2	1	2	2	3	3	3	2
SUI	Switzerland	2			1				1							1		2	1		2	
SVK	Slovakia	3	2	2	1	1			1	1			1		2	1		1	2		1	
SVN	Slovenia	2	1			1										1		1	1		2	
SWE	Sweden	9	22	23	20	17	5	8	10	5	7	6	28	22	35	3	9		16	1	6	2
TKM	Turkmenistan					1																
TUN	Tunisia			1		1			1							1			1	2		
TUR	Turkey		1	1		6							1			1			2			
UKR	Ukraine	1	1	1	2	1	5		1	2						2			3			
WLS	Wales						2	1				1				1			1		2	
XOE	Offshore			1			2	3			2	1		1	1	1	1		1			
XUE	UNID - Europe											1							1	1		
XUF	UNID - Africa																		1			

Cou	Country	CZE fr	CZE jv	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	ENG re	FIN ks	FIN r0	FIN ro	FRA jj	HOL rb	ITA rz	ITA ti	POL ls	SAR gc	SCT ds	SUI ps
-----	---------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

**LISTENING TIMES:**

This table shows the number of NDBs logged by each reporter during the time periods.

UTC (hh)	CZE fr	CZE jv	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	ENG re	FIN ks	FIN r0	FIN ro	FRA jj	HOL rb	ITA rz	ITA ti	POL ls	SAR gc	SCT ds	SUI ps	
00:00 - 00:59		3	10	25		27	12		25	6	5	12				9	16	3	18	22	29	16	4	
01:00 - 01:59		15	18	6	2	4			26	39		8	8			7	12		21	33	2	10	1	
02:00 - 02:59		7	37		1	16	1		31	40			2			16	16		28	36		6	31	
03:00 - 03:59			44			8	32		16	8			2			16	9		18	10		5	8	
04:00 - 04:59			11			18	27		9	1			6			4	13			2		11	6	
05:00 - 05:59		1				18			11	2			25			10	7					16	2	
06:00 - 06:59						4			8	1						3	3						4	
07:00 - 07:59					12	1			1	1							8							
08:00 - 08:59					6																			
09:00 - 09:59																								
10:00 - 10:59									30				24					1						
11:00 - 11:59									23															
12:00 - 12:59		2							12	2			7			1	3				1	21	3	
13:00 - 13:59									33				25	11			4					2	8	
14:00 - 14:59		1			13								19										4	
15:00 - 15:59		2			8	2			2				1		2		1				2			
16:00 - 16:59		1			1		3				1	4	3		3		1				1			
17:00 - 17:59					1	2					3	21	29		9	1					2	3	2	
18:00 - 18:59					23	1	2				2	5	1		2	2	3				3		1	
19:00 - 19:59		6	7		23	3					29				3	9					6	1		
20:00 - 20:59	19	25	3	2	6	5					23	9			13	1	10	4			9		2	
21:00 - 21:59	38	19	4	17	3	6	8				22			13	30	24	17	3			1		5	
22:00 - 22:59	38	3	2	26		17	19				17		1	37	36	10	10	4		11	5	11	3	
23:00 - 23:59		13		24	1	14	7			2	23	8		15	6	6	10	7		26	7	50	9	7
UTC (hh)	CZE fr	CZE jv	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	ENG re	FIN ks	FIN r0	FIN ro	FRA jj	HOL rb	ITA rz	ITA ti	POL ls	SAR gc	SCT ds	SUI ps	
Totals:	95	98	136	100	100	146	111	98	131	100	125	99	132	65	104	119	143	22	122	140	119	87	79	

## MOBs

NDBs that were heard by one reporter only - 'Mine Only Beacons' !

A very long list this time and not very useful. They can be seen in the 'Beacons Heard' list at the end.

## STATISTICS TABLE

Listener	No. of NDBs	Av km	Total km x 1000	Max km
<b>CZE fr</b>	95	799	76	2144
<b>CZE jv</b>	98	1084	106	2262
<b>CZE my</b>	136	1211	165	4940
<b>CZE ze</b>	100	953	95	2237
<b>DEU bd</b>	100	691	69	2280
<b>DEU hw</b>	146	2104	307	7522
<b>ENG ag</b>	111	901	100	3838
<b>ENG bk</b>	98	488	48	1695
<b>ENG hh</b>	131	1260	165	2615
<b>ENG me</b>	100	1978	198	7110
<b>ENG px</b>	125	950	119	3908
<b>ENG re</b>	98	833	82	2401
<b>FIN ks</b>	132	1084	143	3572
<b>FIN r0</b>	65	660	43	1494
<b>FIN ro</b>	104	855	89	2198
<b>FRA jj</b>	119	949	113	3940
<b>HOL rb</b>	143	1907	273	7039
<b>ITA rz</b>	22	315	7	844
<b>ITA ti</b>	120	626	75	1723
<b>POL ls</b>	139	934	130	3846
<b>SAR gc</b>	119	828	99	2718
<b>SCT ds</b>	87	873	76	1943
<b>SUI ps</b>	79	646	51	5594
<b>Averages:</b>	<b>107</b>	<b>997</b>	<b>114</b>	<b>3385</b>

Av. km = Average distance from listener to NDB for all their loggings

Total km = Sum of distances from listener to NDBs for all their loggings

NDBs = Number of NDBs logged

Max km = Maximum distance from listener to an NDB logged

(UNIDs are not included)

In this event some listeners chose personal handicaps to make the Challenge more interesting  
e.g. some aimed to maximise the total distance or the number of radio countries heard.

## BEACONS HEARD:

**Beacons are shown in kHz order within each country**

Any UNIDs and Offshore NDBs appear at the end of the list.

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

(e.g. 00 indicates logged between 00:00-00:59 UTC).

Cou	kHz	Call	Location	CZE fr	CZE jv	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	ENG re	FIN ks	FIN r0	FIN ro	FRA jj	HOL rb	ITA rz	ITA ti	POL ls	SAR gc	SCT ds	SUI ps
ALB	290	TR	Tirana Rinas											23					03	01				17		
ALG	283	BIS	Biskra						00																	
ALG	304	MOK	Bordj Mokhtar						02																	
ALG	342	OA	Algiers Houari Boumedienne	21		21			00											02		22		00		23
ALG	353	BNA	Beni Amrane	22		03	00		22											01		23				
ALG	356.5	OU	Ouargla	22	20		00	19								05								00		
ALG	397	CHE	Cherchell																	03						
ALG	397	CNE	Constantine Ain El Bey																					23		
ALG	407	BCR	Bechar						21						01											
ALG	423	BJA	Bejaia Soummam																			00		22		
ALG	424	GRS	Ghriss																		20					
ASC	360	ASN	Ascension Is. Wideawake.						23				02													
ATG	369	ZDX	Coolidge Saint Johns						02																	
AUT	290	GRZ	Graz																							
AUT	293	STE	Wien Steinhof											19												
AUT	303	RTT	Innsbruck Rattenberg																							
AUT	313	AB	Innsbruck Absam									00														
AUT	313	KI	Klagenfurt			01			02												04			00		
AUT	327	LNZ	Linz Horsching	20								00														02
AUT	358	TUN	Tulln for Schwechat	22								01	02	21				21					01	01		
AUT	374	KFT	Klagenfurt		23							01														
AUT	382	SBG	Salzburg Oberndorf	20	16			18		00				21				21					01		00	14
AUT	408	BRK	Wien Schwechat Bruck	22				15		03				00	23	14		16	22		21	22	00	23	05	01













FIN	325	JOE	Joensuu						03											
FIN	326	SUI	Tampere Suini		21	01						10	23							
FIN	328	KIT	Kittila		22												00			
FIN	333	G	Kemi Tornio		00	03		02		06	02		23		20	02		19		
FIN	334	S	Kuopio									10		22						
FIN	336	M	Mikkeli					05				10								
FIN	339	V	Kokkolia Kruunupyy		22	02		01			01	13	22	22				03		
FIN	340	KAI	Utti Kaipi		00		21	20			02	10								
FIN	344	L	Kittila											22						
FIN	345	SUS	Kauhava Susi		21	03						10	22					02		
FIN	346	MI	Mikkeli Korpikoski	21		03		23			02	10						00		
FIN	350	LAA	Oulu Laanila		01				04			00	22	22	03					
FIN	351	SAV	Savonlinna			01														
FIN	352	PSJ	Seinajoki		01	03	23				04	10	22	23		01		23		
FIN	354	G	Ivalo								03			23						
FIN	355	J	Varkaus				00					10								
FIN	361	LIE	Turku Lieto	22			21	21	22	02		10		23	18			01		02
FIN	361	RO	Kauhava		21	03			22		02		22							
FIN	364	B	Kittila											18						
FIN	365	VS	Tampere Vesilahti		20	03	22		22			10	22	17				01		
FIN	368	SK	Sodankyla Sattanen											19		03				
FIN	370	JR	Varkaus Joroinen			03			21				22			21				
FIN	373	KEM	Kemi Tornio		20	02	22	16	23			13	22	17	03			03		
FIN	374	S	Mikkeli											17						
FIN	375	HET	Enontekio Hetta													00				
FIN	377	B	Kuopio						04		02	14								
FIN	380	TOL	Ivalo											22						
FIN	382	IJ	Seinajoki									14				03				
FIN	387	JL	Kuopio		01	03	23		02		01	10	22	17		03		01		
FIN	388	KRU	Kronoby Kruunupyy		01				02	00			22							
FIN	392	RAN	Lappeenranta		23		22				06	02	10	22	17			01		
FIN	398	ESS	Kruunupyy Kronoby		23							14				23				
FIN	404	Y	Kemi Tornio		20	01					02		21	16						
FIN	406	V	Ivalo						00					21						
FIN	408	O	Seinajoki						00		01									
FIN	411	M	Kokkola (Inactive?)		02															
FIN	416	TOR	Rovaniemi Toramo			02	01					14	21	15		23				
FRA	286.5	TA	Villacoublay Velizy							10	15	16			06	12				
FRA	288.5	AVD	Avord							13										
FRA	291	WS	Grenoble St Geoirs			00									01		23	02	17	



FRA	349	RS	Rennes St Jacques					01				11								
FRA	351	BSC	Brive Souillac																02	
FRA	351	DSA	Dieppe St Aubin								20	13							03	
FRA	351	OSA	Ouessant									10								
FRA	353	SB	St.Brieuc Armor									11								
FRA	354	CGC	Cognac Chateaubernard						00										02	01
FRA	354	MTZ	Metz Nancy Lorraine	22	23	03	00	18				16							02	02
FRA	356	CVU	Castres Mazamet																02	
FRA	357	LP	Cholet Le Pontreau									21	12						02	
FRA	358	BRS	Biscarrosse Parentis																02	
FRA	358	LT	Le Touquet Paris Plage									21	12						12	
FRA	358	RNN	Roanne Renaison		23															05
FRA	359	LOR	Lorient Lann Bihoue				01	02				12	03						21	05
FRA	359.5	CDN	Chateaudun		21														00	02
FRA	361	NB	Bordeaux Merignac																03	00
FRA	363	PI	Poitiers Biard									12							03	
FRA	363.5	LXI	Luxeuil St Sauveur																	23
FRA	364	PU	Pau Pyrenees								02								21	
FRA	366	ADC	Le Castellet																	23
FRA	367	CF	Clermont Ferrand						05			22								04
FRA	367	VAT	Chalon Vatry									12	04						18	13
FRA	368	TLB	Toulouse Blagnac																03	
FRA	369	GL	Nantes Atlantique									12								23
FRA	370	BSV	Besancon La Veze																00	23
FRA	371	MLX	Morlaix Ploujean																12	
FRA	372	CSM	Castelsarrasin Moissac																	00
FRA	373	LCT	Le Luc Le Cannet																03	22
FRA	373	MP	Cherbourg Maupertus									13							21	13
FRA	374	BGC	Bergerac Roumaniere			02						23							17	19
FRA	375	BRG	Bourges																	17
FRA	376	BS	Bale Mulhouse			02														
FRA	378	LU	Le Luc Le Cannet																03	02
FRA	380	HO	Colmar Houssen	20															01	
FRA	380	RQ	Quimper Pluguffan									10							23	17
FRA	383	MAR	Marseille Provence					20					01							
FRA	384	AT	Annecy Meythet		01			20											03	23
FRA	384	PMR	Pamiers Les Pujols	21															00	01
FRA	384	PMR	Pamiers Les Pujols	21															19	
FRA	385	CSC	Cannes Ile de Leirins			02													00	
FRA	385	OAN	Orleans Bricy									13							05	
FRA	387	BGP	Brest Guipavas									13								





HRV	351.5	PLA	Pula							04			05				20							
HRV	367	ZAG	Zagreb	20	14	04	22	15									21	03	05	23	01	23	20	
HRV	369	VRS	Vrsar	20	23		22					01	19									23		
HRV	372	CE	Osijek Cepin	20							03									01				
HRV	378	TRI	Split Trogir																			23		
HRV	385	BO	Zadar Bokanjac									00	01											
HRV	397	CV	Dubrovnik Cavtat	21			23																	
HRV	400	BRZ	Rijeka Krk Breza	21								01									21			
HRV	412	HUM	Humac	22																				
HRV	414	GR	Dubrovnik Gruda	22	23		21															23		
HRV	418	DVN	Split Drvenik	22	20	02	00														22	02	22	
HRV	420	GS	Pula				21				05													
HRV	422	OSJ	Osijek		21	02	00			00												00		
HRV	424	PIS	Zagreb Pisarovina	22		03	00	14			05	02	22	20	18							23	00	03
IOM	359	RWY	Ronaldsway							23	21											06		
IRL	316	OE	Dublin								03	13												
IRL	334	GMN	Gormanston			03					04	01		19									12	
IRL	361	CFN	Donegal Carrickfin											21									13	
IRL	364	KNK	Connaught Knock											22									00	
IRL	368	WTD	Waterford			03								19	13							23		
IRL	378	KLY	Killiney for Dublin								23	03						19					13	
IRL	384	SLG	Sligo								00			19	17									
IRL	387	CML	Clonmel								00												01	
IRL	395	FOY	Foynes for Shannon								22			19				18						
IRL	397	OP	Dublin								22				12								13	
IRL	398	OK	Connaught							02	22							22					01	
IRN	300	TBZ	Tabriz							22														
IRN	337	IFN	Esfahan							22														
IRN	341	BUZ	Bushehr							22														
IRN	355	ARB	Ardabil							19														
IRN	370	UMH	Uromiyeh							23														
IRN	393	RST	Rasht							21														
IRN	395	TBS	Tabas							21														
ISL	330	RF	Rif																			05		
ISL	334	AR	Akureyri																			05		
ISL	351	BL	Blonduos																			04		
ISL	355	RK	Reykjavik																			02		
ISL	366	HK	Holmavik																			04		
ISL	373	TN	Thorshofn																			04		
ISL	375	VM	Vestmannaeyjar							03				01	21						03		00	













SCY	317.5	TRP	Trapani Marsala																		23		13			
SCY	329	PRS	Palermo Punta Raisi																				23			
SCY	335	PAN	Pantelleria	21		03	23	19															12			
SCY	373	LPD	Lampedusa	20						21														02		
SCY	407	CTF	Catania Fontanarossa			02	00					21									23		23			
SCY	412	SIG	Catania Sigonella							22				02			01						22			
SHE	315.5	SS	Scatsta															22					04			
SRB	294	VRA	Vrsac							05																
SRB	300	PV	Novi Sad Petrovaradin										00									23	01	23		
SRB	348	TPL	Topola	21				00	19										22					17		
SRB	355	OBR	Beograd Obrenovac	22									01	02				21					20	00		
SRB	390	VAL	Valjevo		19																23					
SRB	405	JST	Nis Justic	22	23			01						02							22		01	20		
SRB	416	POZ	Belgrade Pozarevac		19				19					01					20		21		00	00	23	02
SRB	423	ZO	Nis Zitorada		20		02	00					00												02	
SUI	335	BER	Bern Belp																				23	03	02	
SUI	375	GLA	Gland for Geneva	20				22																		
SUI	403	LPS	Les Eplatures	21									02										01		02	
SVK	310	DBV	Dubove				19															04				
SVK	330	OB	Bratislava Stefanik South	21										00												
SVK	391	OKR	Bratislava Stefanik	21	12		03	21	19															01	01	05
SVK	418	PW	Poprad Tatry West																							
SVK	425	KE	Kosice	22	20																	20				
SVN	296	MG	Ljubljana Brnik																				00		19	
SVN	334	MR	Maribor	21	22																		02		23	
SVN	355	MI	Maribor																						04	
SVN	394	MEL	Metlika	21																						
SWE	285	LCF	Linköping Malmen				00									23		05	23	21						
SWE	300	SC	Linköping Malmen				03															21				
SWE	309	LG	Satenas				19												23							
SWE	312	DJ	Ostersund Froson																				22			
SWE	318	LP	Ronneby Kallinge																			21				
SWE	320	OL	Lycksele																			22		01		
SWE	322	OD	Ornskoldsvik				01																04			
SWE	322	OU	Stockholm Bromma																							
SWE	324	ON	Norrköping Saab										03									22				
SWE	325	PG	Trollhattan Vanersborg		02											00										
SWE	326	OG	Gavle Sandviken	22												00										
SWE	327	Y	Sveg				02																			
SWE	328	DK	Vilhelmina																23							

SWE	329	VX	Vaxjo Kronoberg				22			03									03		
SWE	329	WU	Umea	21			21							23	22						
SWE	330	LNA	Lena Enkoping											23				02			
SWE	330	SKS	Karlstad	01	02										22	05					
SWE	333	LE	Vasteras Hasslo				21								22						
SWE	335	NAK	Stockholm Bromma Nacka									17			22						
SWE	336	LT	Halmstad	01			21	07			05										
SWE	338	OA	Jonkoping	21			20	21	07			06			17					05	02
SWE	341	NKS	Karlstad	21	01																
SWE	346	GS	Gavle Sandviken		01			21							22			02			00
SWE	348	WA	Stockholm Arlanda		21		03					04			17						
SWE	349	JX	Vaxjo Kronoberg																		
SWE	351	OV	Visby		15				18												
SWE	360	OS	Goteborg Save									21									
SWE	362	NN	Eskilstuna Kjula									22									
SWE	363	OEM	Kristianstad Everod	22	15			21	19				04	02							
SWE	364	NW	Stockholm Skavsta		21		03	21													
SWE	364	VNA	Vanja Umea							02											
SWE	366	KM	Kalmar		21			22	14												
SWE	366	SF	Falkoping	20						05			00								
SWE	368	OY	Sveg											01							
SWE	369	OO	Ornskoldsvik				04														
SWE	369	OS	Skelleftea																		
SWE	370	L	Lycksele		20																
SWE	370.5	LB	Angelholm Barkakra																		
SWE	375	KD	Kristianstad Everod																		
SWE	375	RB	Orebro		21		02		08												
SWE	377	KN	Norrkoping Kungsangen		20		02	23	21			00		02							
SWE	377	OL	Lulea Kallax																		
SWE	377	SM	Mora Siljan	20																	
SWE	378	OS	Sundsvall Harnosand		20		02	21	23												
SWE	380	LF	Ronneby Kallinge		20			22	14												
SWE	381	AN	Arvidsjaur																		
SWE	383	ERK	Erken		20		02	22													
SWE	384	TY	Torsby Fryklanda																		
SWE	388	COR	Corner for Bromma					03	22	14											
SWE	394	NB	Stockholm Bromma																		
SWE	397	LM	Borlange					03													
SWE	398	PEO	Stockholm Skavsta					03													
SWE	399	FM	Trollhattan Vanersborg		01			22							00	17					





XOE	340	HEI	Heidrun			03											22	23								
XOE	353	OBA	Oseberg A										01			22										
XOE	375	TR	Philips Tor E							13																
XOE	420	LGS	Conoco Loggs							13																
XUE	320	N	(UNID)																		22	00				
XUE	333	P	(UNID)										18													
XUF	275	O	(UNID) LBY?																		01					
Cou	kHz	Call	Location	CZE fr	CZE jv	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	ENG re	FIN ks	FIN r0	FIN ro	FRA jj	HOL rb	ITA rz	ITA ti	POL ls	SAR gc	SCT ds	SUI ps

**TABs**

Trans-Atlantic Beacons' - NDBs that joined in the fun on both sides of the Atlantic  
*These results will be available when the N. American logs have been combined.*