

COMBINED RESULTS  
EUROPE

For overall statistics, please see the covering email.

Reporters:

BEL	gan	Gert-Jan Arijjansen, Hoogstraten
CZE	my	Milos Holy, Lhota pod Radcem
CZE	ppn	Pavel Pelikan, Prague
CZE	ze	Zdenek Elias, via Kiwi-SDR at 'Slatina, West Bohemia', CZE (rCZEsl / JN69gw)
DEU	mo	Michael Oexner, Roschbach
DEU	hw	Hartmut Wolff, Near Wolfsburg
DEU	je	Joachim Rabe, Norderstedt, north of Hamburg
ENG	bk	Brian Keyte, Bookham, Surrey
ENG	ds	David Atkins, via KiwiSDR V2 at 'Litton Cheney', ENG (rENGli / IO80qr)
ENG	jms	John Mills, Chelmsford, Essex
ENG	mt	Mike Trodd, Yapton, near Arundel, W Sussex
ENG	nw	Noel Waddoup, Clacton
ENG	px	Peter Greatorex, Bolsover, Derbyshire
FIN	ro	Raimo Karjalainen, Laukaa, near Jyvaskyla
HOL	rb	Roelof Bakker, Middelburg, Zealand
ITA	ado	Andrea Dalbagno, Gazzadina
ITA	ce	Claudio Tagliabue, Vertemate con Minoprio
ITA	ci	Daniele Cristaldini, Mediglia
ITA	wb	William G Buchanan, Alessandria
NIR	ry	Robert Connolly, Kilkeel
SCT	bc	Bob Coomler, via Kiwi-SDR at 'Clashmore', SCT (rSCTcm / IO78hf)
SCT	prk	Peter Reuderink, via Kiwi-SDR at 'Clashmore', SCT (rSCTcm / IO78hf)

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 us know (ndbcle@ndblist.info)

BEACONS HEARD

Beacons are shown in kHz order within each country  
The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.  
(e.g. 01 indicates logged between 01:00-01:59 UTC).

Cou, S/P	QRG	ID	Name	BEL gan	CZE my	CZE ppn	CZE ze	DEU mo	DEU hw	DEU je	ENG bk	ENG ds	ENG jms	ENG mt	ENG nw	ENG px	FIN ro	HOL rb	ITA ado	ITA ce	ITA ci	ITA wb	NIR ry	SCT bc	SCT prk
ALG	392.0	BO	Annaba / El Mellah				22	22	23			23			23			22		23					
ARS	394.0	RAS	Ras Al-Mishab Airport					22	23						23					23					
BAL	394.0	IZA	Ibiza		20	21	21	21	23	20			22		23			20	20	23	21	21	01		
BEL	386.5	SLV	Spa / La Sauveniere		19	21	20	21	16	20	19	23	22	20	12	23		20	20	23	22		02	21	05

BIH	397.0	LU	Banja Luka		21	21	21	21	23		01	22					20	20	23				
BUL	399.0	KMN	Burgas / Kamenar	22	22	21	18	21		23	23	22		23			20	20	23	21	21	01	
CAN, NB	397.0	ZST	"Alpine" Saint John																			01	
CNR	389.0	BX	La Palma		01			22	23	01	22	23		23			20		23			01	
DEU	394.0	LYE	Lubeck / Blanckensee		20	21	17	21	15	20	21	23	22	23	20	21	20	20	23	22	01		
ENG	385.0	WL	Barrow / Walney Isl					23	19		15	23	14		12	15	20	20				21	23
ENG	386.0	BZ	Brize Norton		01			22	23	21	15	23	14	19	12	15	20		23		01	19	05
ENG	391.5	EAS	Southampton / Eastleigh		01			22	16		15	23	14	19	23	15	20				16	18	22
ENG	393.0	EMW	East Midlands		02			22	23		16		14		12	15	20				16	01	22
ENG	397.0	LZD	Lydd		22		20	21	16	21	12	23	22	20	23	19	20	20	22		16	22	06
ESP	387.0	AV	Asturias / Aviles		22	21		21	23	21	23	23	22	20	23	23	20		22		01		05
ESP	389.0	ZRZ	Zaragoza		19	21	17	21	16	20	23	23	22	19	23	20	20	20	23	22	16	06	22
ESP	390.0	SO	Santiago de Compostela					23				23	22		23		20			01			
ESP	395.0	B	Bilbao		21	21	19	21	16	22			22	03	23		20	20	22		01		05
ESP	399.0	EAG	Logrono / Agoncillo																	02			
FRA	385.0	CSC	Cannes / Ile de Leirins				17	21									20				01		
FRA	388.0	BR	Lyon / Bron	20	19	21	17	21	16	21		23	22		23		20	20	22	21	17	01	05
FRA	388.0	LOU	Metz / Nancy-Lorraine - Louvigny		19		20	21	15	21		23	22	19	12		20	20	22	23	21	01	19
FRA	389.0	PX	Perigueux / Bassillac		20	21	20	21	16	22	23	23	22	20	23	20		20	22	21	21	01	22
FRA	390.5	ITR	Istres / Le Tube					22	22			00					23	20	23		20		
FRA	391.0	BV	Beauvais / Tille		22	21	21	21	16	23	15	23	14	19	12	20	20	20	23	21	21	01	17
FRA	393.0	BD	Bordeaux / Merignac		20	21	18	21	23	22	23	23	22	21	23	23	20	20	22	21	21	16	06
FRA	394.0	NV	Nevers / Fourchambault	22	21	21	18	21	16	22	23	23		19	23	19	20	20	23	21	17	01	22
FRA	395.0	OB	Marseille / Provence	01	21	21	17		16	21			22		23					21	21	16	22
FRA	396.0	ROC	Rochefort / St Agnant					01	16	22		23	22		23		20		23		01		
FRA	397.0	BLB	Blois / Le Breuil		21		20	21	16	23	23	23	22		12		20	20	23	21	21	02	06
FRA	397.0	PO	Pau / Pyrenees				20	21	23			23		20	23		20	20	22		16		
FRA	397.0	ZR	Beziers / Vias		22		20	21	23	22		23	22		23		20	20	23	21	21	01	
FRA	398.0	LRN	Lorquin / Xouaxange	20	22	21	17	21	16	23	20	23	14	20	23	20	20	20	23	21	21	01	20
FRA	398.0	MT	St Nazaire / Montoir	20	23	21		21	16	23	16	23	14	20	23	20	20	20	23		02	19	21
GRC	392.0	KOR	Korinthos for Athens						23														
GRL	386.0	CP	Constable Pynt / Nerlerit Inaat																			15	22
HRV	385.0	BO	Zadar / Bokanjac		18	21	17	21	16	03		23	22	02	23		20	20	23	21	17	01	
HRV	397.0	CV	Dubrovnik / Cavtat		21	21	17	21	16	23		23	22		23		20	20	23	21	17		
IRL	387.0	CML	Clonmel		01	21	21	21	21	21	23	23	22	20	23	19	20	20	22		16	18	22
IRL	395.0	FOY	Foynes for Shannon		02			23	23	23	23	22	22	21	23	19	20		22		16	18	21
IRL	397.0	OP	Dublin	20	21	21		21	16	22	00	23	22	20	12	15	20	20	23		16	21	15
IRL	398.0	OK	Connaught					23				23	22		23	20	20				16		20
IRN	385.0	MSD	Mashhad					23															
IRN	395.0	TBS	Tabas		01	21			23			23			21		22		23				
ISL	385.0	IS	Isafjordhur						23			23			23		20		23		01	21	17
ISL	387.0	NB	Akureyi / Botn					21	23		23	23	22		23		20		22		01	22	15
ISL	392.0	KF	Keflavik		01			21	23	23	23	23	22		23		20				01	21	15
ISL	393.0	VP	Vopnafjordhur / Hofsa					23	23			23	22		23		20				01	21	22
ISL	397.0	SE	Selfoss					23				22			23		20				01	21	21
ITA	396.0	RON	Ronchi dei Legionari (GO)	20	21	21	17	21	16	20		23	22		23	21	20	20	23	21	17	01	
JOR	399.0	MDB	Amman / Queen Alia Intl / Madaba																22				
LBY	390.0	OV	Nafoura M4		01	21			23			23	22		23				20	23			
LTU	385.0	AVN	Vilnius		18	21	17	21	16	20			22		23	21	20	20	23		01		
MRC	396.0	ALS	Agadir / Al Massira																		02		

NOR	385.0	VNS	Trondheim / Vaerrnes						23	22		23						23				01	22	16	
NOR	386.0	HK	Hasvik					01				23					20	20						16	
NOR	389.0	HN	Orsta-Volda / Hovden	22	19	21	20	21	16	22	23	23	22		23	23	19	20	20	22		01	18	16	
NOR	393.0	TAT	Molde / Aro / Tautra		20	21	18	21	16	21	23	23	22	21	23	19	16	20	20	22		16	21	15	
NOR	396.0	FS	Harstad / Narvik / Evenes / Fjellstad				21		23			23				23		20	20			01	19		
NOR	396.0	YG	Rygge / Enge		21	21	17	21	15	21	18	23	22	21	23	19	16	20	20	22		01	19	17	
ORK	395.0	KW	Kirkwall / Orkney Isl.			21		22	16	23	00	23	23	21	23	23		20	20	22		01	15	15	
PAK	390.0	RS	Risalpur						23																
POL	385.0	NWT	Leczyca		18	21	17	21	15	20	23	23	21	20	23	19	20	20	20	23		20	01	21	22
PTR, PR	391.0	DDP	San Juan / Dorado / Luiz Munoz Marin Intl				22		05	05		01			23			20				01	01	05	
RUS	387.0	MA	Levashovo		22			22	23	03			22				14	20				02			
SCT	394.0	DND	Dundee	20	20	21	22	21	16	00	23	23	22	21	23	19		20	20	22		16	21	15	
SCT	395.0	LAY	Islay		02			21	23	23	23	23				19		20		21		16	14	16	
SPM	386.0	SP	St. Pierre																				01		
SRB	387.0	AD	Kraljevo		19	21	21	21	16	23			23	22				20	20	22	22		16		
SRB	390.0	VAL	Valjevo		19	21	17	21	16	23			23	22	19		21	20	20	22	21	21	01		
SVK	391.0	OKR	Bratislava / M.R Stefanik / North	20	20	21	17	21	16	20		23	22	22		20	19	20	20	23	21	17	01	21	22
SWE	388.0	COR	Corner for Bromma		19	21	17	21	15	20	23	23	22	20		19	16	20	20	22		01	18	17	
SWE	390.0	PAJ	Pajala						16				23					14	20				01	18	16
SWE	393.0	AB	Hagfors		21	21		22	16	22									23	18			01		21
SWE	397.0	LM	Borlange / Rommehed / Falun		21	21	20	01	16	22						23		16	20	20			16	23	21
SWE	398.0	PEO	Stockhlom / Skavsta / Peola	20	22	21	17	21	15	21	23	23	22	20		22	16	20	20			01	21	17	
Cou, S/P	QRG	ID	Name	BEL gan	CZE my	CZE ppn	CZE ze	DEU mo	DEU hw	DEU je	ENG bk	ENG ds	ENG jms	ENG mt	ENG nw	ENG px	FIN ro	HOL rb	ITA ado	ITA ce	ITA ci	ITA wb	NIR ry	SCT bc	SCT prk

## COUNTRIES HEARD:

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

Cou	Cou-Name	BEL gan	CZE my	CZE ppn	CZE ze	DEU mo	DEU hw	DEU je	ENG bk	ENG ds	ENG jms	ENG mt	ENG nw	ENG px	FIN ro	HOL rb	ITA ado	ITA ce	ITA ci	ITA wb	NIR ry	SCT bc	SCT prk	Total
ALG	Algeria				1	1	1			1			1			1		1						1
ARS	Saudi Arabia					1	1						1					1						1
BAL	Balearic Islands		1	1	1	1	1	1			1		1				1	1	1	1				1
BEL	Belgium		1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1
BIH	Bosnia-Herzegovina		1	1	1	1	1			1	1						1	1	1					1
BUL	Bulgaria	1	1	1	1	1		1		1	1		1				1	1	1	1	1			1
CAN	Canada, NB																					1		1
CNR	Canary Islands		1			1	1	1	1	1			1				1		1		1			1
DEU	Germany		1	1	1	1	1	1		1	1		1	1	1	1	1	1	1		1			1
ENG	England		4		1	5	5	2	5	4	5	3	5	5		5	2	2			4	5	5	5
ESP	Spain		3	3	2	3	4	3	2	3	4	3	4	2		4	2	3	1	1	5	1	3	5
FRA	France	5	11	8	12	14	14	12	7	13	11	8	13	6		14	12	13	10	13	14	5	10	15
GRC	Greece						1																	1
GRL	Greenland																					1	1	1
HRV	Croatia		2	2	2	2	2	2		2	2	1	2			2	2	2	2	2	1			2
IRL	Ireland	1	3	2	1	2	4	3	3	3	4	3	4	4		4	2	3			4	3	4	4
IRN	Iran		1	1			2			1			1			1		1						2
ISL	Iceland		1			2	5	1	2	4	4		5			5		2			5	5	5	5

ITA	Italy	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1			1
JOR	Jordan																	1						1
LBY	Libya		1	1			1			1			1					1	1					1
LTU	Lithuania		1	1	1		1	1			1		1	1		1	1	1			1			1
MRC	Morocco																			1				1
NOR	Norway	1	3	3	4	3	6	4	3	6	3	2	6	3	5	6	3	3			5	5	5	6
ORK	Orkney Islands			1		1	1	1	1	1	1	1	1	1		1	1	1			1	1	1	1
PAK	Pakistan							1																1
POL	Poland		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1
PTR	Puerto Rico, PR				1		1	1		1			1			1				1	1	1	1	1
RUS	Russia (European)		1			1	1	1			1				1	1				1			1	1
SCT	Scotland	1	2	1	1	2	2	2	2	2	1	1	1	2		2	1	2			2	2	2	2
SPM	St Pierre Et Miquelon																					1		1
SRB	Serbia (Yugoslavia)		2	2	2	2	2	2		2	2	1		1	1	2	2	2	2	1	2			2
SVK	Slovakia	1	1	1	1	1	1	1		1	1	1		1	1	1	1	1	1	1	1	1	1	1
SWE	Sweden	1	5	5	4	5	5	5	3	4	3	3	1	3	5	6	5	2			6	5	6	6
SYR	Syria						1													1			1	1
TJK	Tajikistan						1																1	1
TUR	Turkey						5									1		1						5
WLS	Wales		1	1	1	1	1	1	1	1	1	1		1		1	1	1			1	1	1	1
XOE	Int Waters: Europe																			1	1			2
XUU	UNID (No idea where)						1																	1
Cou	Cou-Name	BEL gan	CZE my	CZE ppn	CZE ze	DEU mo	DEU hw	DEU je	ENG bk	ENG ds	ENG jms	ENG mt	ENG nw	ENG px	FIN ro	HOL rb	ITA ado	ITA ce	ITA ci	ITA wb	NIR ry	SCT bc	SCT prk	Total

**LISTENING TIMES:**

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

[illegible]

QRG	ID	Name	S/P	ITU	Rptr	UTC
397.0	ZST	"Alpine" Saint John	NB	CAN	<b>bc</b>	0146
386.0	SP	St. Pierre		SPM	<b>bc</b>	0108
395.0	VMN	Valemon		XOE	<b>bc</b>	2352
385.0	MSD	Mashhad		IRN	<b>hw</b>	2315

385.0	PF	Ura-Tyube	TJK	hw	2345
387.0	FAT	UNID	XUU	hw	0100
388.0	GDR	Igdir	TUR	hw	0100
390.0	RS	Risalpur	PAK	hw	2300
391.0	GAP	Sanliurfa / Gap	TUR	hw	2355
392.0	KOR	Korinthos for Athens	GRC	hw	2359
395.0	ADN	Adana / Sakirpasa	TUR	hw	2315
386.0	AK	Shell Esso / Auk A Platform	XOE	ry	0244
396.0	ALS	Agadir / Al Massira	MRC	ry	0244

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN CLE286 385-399,9 kHz 25.11.2022 - 28.11.2022  
NOW CLE301 385-399,9 kHz 23.02.2024 - 26.02.2024

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE my	1199	1215	68	61	57	50	3961	3944
CZE ze	1279	1154	66	47	52	41	3697	7671
DEU hw	1668	1654	142	126	85	77	7523	7523
DEU je	949	1224	39	60	41	49	1574	7482
DEU mo	1156	1085	74	60	64	55	4336	4163
ENG bk	826	833	35	27	42	32	1964	2907
ENG ds	1420	1353	67	77	47	57	6536	6597
ENG jms	759	1046	13	54	17	52	1889	3048
ENG nw	1477	1349	118	74	80	55	6871	6871
ENG px	979	804	39	27	40	34	3051	1834
FIN ro	692	959	9	15	13	16	1232	2055
HOL rb	1239	1288	88	86	71	67	7041	7041
ITA ado	1329	1051	82	45	63	43	5434	2086
ITA wb	636	682	15	15	24	22	1609	1533
SCT bc	820	1336	11	53	13	41	1165	6590
Averages:	1095	1135	58	55	47	46	3859	4756
% Increase:		4		-4		-3		23

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
BEL gan		903		11		12		1978
CZE ppn		1155		45		39		3902
ENG mt		793		24		30		1696
ITA ce		1292		67		52		4246
ITA ci		688		14		21		1492
NIR ry		1377		88		64		6437

<b>SCT prk</b>	1238	58	47	6590
<b>Averages:</b>	1064	44	38	3763
<b>% Increase:</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)

Explanation:

We ENJOY Listening Events, but their real value is to encourage us to improve our knowledge of our hobby, our listening techniques, our receivers and aeralis, etc. Many of our CLEs re-use the same narrow range of frequencies after a year or so. This can provide each of us with an excellent way of measuring our personal progress by comparing our results THEN with our corresponding results NOW.

The upper table shows statistics for listeners who took part in both the events.  
The bottom lines compare the general conditions found during the two events.

Each listener's own results also depend, of course, on many other things, such as changes in receivers or aeralis, time available for listening, use of recording equipment and maybe a move of QTH, as well as progress made through listening practice.

Comparing the results between individual listeners is not very meaningful - we each have so many unavoidable things that affect our ability to hear NDBs; where we and they happen to be, whether we are in a city or in wide open spaces or by the sea, our spending limit, how long we are able to devote to listening, etc. Another recent reason for differences, especially in Europe, is the use of programs which can 'hear' and identify NDBs, replacing traditional listening with human ears!