

**NDB LIST CLE No. 174 190 - 239.9 kHz + nnn.5 kHz 27 - 30 Sept. 2013, midday-midday local time**

**COMBINED RESULTS  
REST OF THE WORLD**

For overall statistics, please see the covering email.

**Reporters:**

AUS	TA	<b>rw</b>	Bob Warren, New Norfolk
CAN	BC	<b>sm</b>	Steve McDonald, Mayne Island
CAN	NS	<b>vm</b>	Vernon Matheson, Truro
CAN	ON	<b>ku</b>	Marc Kulbacki, Windsor
CAN	QC	<b>g1</b>	Guillaume Perron, while at Brownsburg
HWA		<b>mx</b>	Mike Tuggle, Kaneohe, Hawaii
USA	CA	<b>dn</b>	Don Tomkinson, Upland
USA	CA	<b>ha</b>	Bill Haddon, Kelseyville
USA	CA	<b>pa</b>	Phil Atchley, Merced, Central California
USA	CO	<b>ac</b>	Anthony Casorso, Westminster
USA	IL	<b>dt</b>	Dave Tomasko, Galena
USA	IL	<b>gh</b>	Garry Hess, Elgin
USA	MA	<b>hj</b>	Jonathan Jesse, Plymouth
USA	MN	<b>gs</b>	George Sherman, Apple Valley
USA	MO	<b>dp</b>	Dick Palmer, Foristell
USA	NC	<b>dw</b>	Don Ward, Raleigh
USA	NJ	<b>rs</b>	Bill Riches, Cape May
USA	OR	<b>mc</b>	Mark McCarthy, Portland
USA	OR	<b>sr</b>	Steve Ratzlaff, La Grande, NE Oregon
USA	TN	<b>g4</b>	George Muha, while at Waverly
USA	TX	<b>du</b>	Douglas Springfield, New Chapel Hill, NE Texas
USA	TX	<b>tk</b>	Tim Marek, Terrell
USA	UT	<b>mu</b>	Mark Moulding, Ogden, Northern UT
USA	VT	<b>j3</b>	John Collins, while at Springfield
USA	WA	<b>rt</b>	Tom Rothlisberger, Brier

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)

**BEACONS HEARD:**

**Beacons are shown in kHz order within each Country and State/Province**

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

(e.g. 10 indicates logged between 10:00-10:59 UTC)

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













**LISTENING TIMES:**

Shows the number of NDBs logged by each reporter during the time periods shown.

UTC (hh)	AUS TA rw	CAN BC sm	CAN NS vm	CAN ON ku	CAN QC g1	HWA mx	USA CA dn	USA CA ha	USA CA pa	USA CO ac	USA IL dt	USA IL gh	USA MA hj	USA MN gs	USA MO dp	USA NC dw	USA NJ rs	USA OR mc	USA OR sr	USA TN g4	USA TX du	USA TX tk	USA UT mu	USA VT j3	USA WA rt
00:00 - 00:59		1		11	2						12	1	21	1	7	6					1				30
01:00 - 01:59					15						4	30	8			7	3			1	3	4			
02:00 - 02:59		4			9			1			27	4	4	4	5	9	8			9		1			
03:00 - 03:59		20	17	1					4	6		11		4		12				5			5		9
04:00 - 04:59		1	4	9	2				19			11			4	8	1			10		4			
05:00 - 05:59		5			3		4		13			12		7		6				6		9			
06:00 - 06:59		8		1	4		3		8		8	2	4	4		23		15		6		6	2		2
07:00 - 07:59					2	1	3		2		6		6	6		2		6				7	2		3
08:00 - 08:59	6	2	1		1	3	5	2				1		2	10	2	1	4		2	6		14		8
09:00 - 09:59	1	3		1		3	5	3		1	4	3	1	1	6	2		3			4		3		2
10:00 - 10:59	5	1		10			4	8		20	29	3		20	2	21	3	4			10		3		5
11:00 - 11:59		6					2	7		28	25	4		2	20	3		2		10			3		1
12:00 - 12:59		1				2				9								2		1					1
13:00 - 13:59																				4					
14:00 - 14:59																									
15:00 - 15:59										2															
16:00 - 16:59											3	2					15								
17:00 - 17:59											1					16						8			
18:00 - 18:59															10			1							1
19:00 - 19:59											30									13	2				
20:00 - 20:59											1											1			6
21:00 - 21:59																						1			1
22:00 - 22:59		9	2				2				1										3				
23:00 - 23:59			3	3							7							2							
UTC (hh)	AUS TA rw	CAN BC sm	CAN NS vm	CAN ON ku	CAN QC g1	HWA mx	USA CA dn	USA CA ha	USA CA pa	USA CO ac	USA IL dt	USA IL gh	USA MA hj	USA MN gs	USA MO dp	USA NC dw	USA NJ rs	USA OR mc	USA OR sr	USA TN g4	USA TX du	USA TX tk	USA UT mu	USA VT j3	USA WA rt



**NDB COUNTS, BY FREQUENCY:**

The number of NDBs logged on each frequency, ignoring offsets, and the number logged by each reporter.

NDBs	kHz	AUS TA rw	CAN BC sm	CAN NS vm	CAN ON ku	CAN QC g1	HWA mx	USA CA dn	USA CA ha	USA CA pa	USA CO ac	USA IL dt	USA IL gh	USA MA hj	USA MN gs	USA MO dp	USA NC dw	USA NJ rs	USA OR mc	USA OR sr	USA TN g4	USA TX du	USA TX tk	USA UT mu	USA VT j3	USA WA rt	
1	198		1	1		1				1		1	1	1	1	1	1			1	1	1			1		
7	200	2	2				2	2	1	2	2	2	2		2	2	2		2	3		1		2		2	
10	201		3	1	1	2				2	3	7	8	1	1	6	5		2	4		3	1	1	1	2	
6	203	1	3				1	2	2	3		4	2		2	1			3	4	1	1		3		2	
5	204		1	1							1	3	3			2	4			1		1				1	
6	205		2		1	3		1	1	2	1	3	1	2	1	1	5	1	1	2		2		1	2		
9	206		3	1	1	1		2	2	3	3	7	6	1	2	4	3	1	2	3		1		3	1	2	
4	207		2	1	2	1				2	2	3	3	1	1	1	2		2	2		1			1	2	
1	208		1	1		1					1	1	1	1		1	1								1		
11	209	1	4	1	2	2	1	1	1	2	2	4	4	1	1	3	5	1	1	4		3			2	2	
1	210											1	1	1		1	1										
3	211		1					1	1	1	1	2	2			1	1		1	1		2		1		1	
10	212	1	2	1	3	1					2	6	6	1	3	5	5			2	1	4			1		
1	213			1		1							1				1								1		
3	214		1			1	2	2	1	1	2	1	2	1					1	1				1	1	1	
7	215	1	1			1				2	4	3	5	1	1	3	1		1	2		2	1		1		
5	216		2	3	3	3	1	1	1	2	2	2	3	2	2	2	3	2	1	2	1	2		1	4	1	
2	217		1					1		1	1					1			1	1	1	1		1		1	
5	218	1	2	1	2	2	1	2	1	2	1	3	3	2	2	3	3	2	1	2		2		2	1	1	
8	219		1	1	1	1				2	4	4	5	1	2	4	5	1		2		4				1	
9	220		1	2	1	3		2	1	1	3	2	1	3		1	6	1	1	2				1	2	1	
11	221		1	1	1	1				1	3	4	6		2	2	6		1	1		3		1	1	1	
1	222		1								1								1	1						1	
6	223		2	1	1	1	1	1	1	1	2	3	3	1	1	3	4	1	1	2		3		1	1	1	
7	224		3	1	2	2				1	3	5	6	2	1	3	5	2	1	3	1	3		1	1	1	
3	225		2						1		1	1							2	2						1	
2	226																1					1					
14	227	1	3	1	2	1		1	1	2	4	8	6	2	1	6	7		2	2	1	4		1	2	2	
2	229		1	1										1					1							1	
17	230	1	4	2	3	2		3	1	3	4	12	11	2	2	6	11	1	2	4		6		2	2	2	
3	232			1	1	1						2	2	1		1	3					1			1		
11	233		4	1	3	1		3	2	4	5	5	6	2	3	4	7	1	2	5		3		3	1	3	
2	234		1										1			1			1			1				1	
2	235			1	2	2				1	1	2	2	2		2	2	1							1		
11	236	1	3	1	2	1		2	2	2	4	8	8	1	1	6	5	1	2	3		4		2	1	2	
1	237												1				1	1									
2	238	1	1					1	1	1									1	1					1		1
9	239	1	1		1	1				1	2	6	5	1	1	2	5		1	1		4		1		1	
1	347.5				1							1	1	1		1	1					1					
1	381.5					1						1	1	1			1										
NDBs	kHz	AUS TA rw	CAN BC sm	CAN NS vm	CAN ON ku	CAN QC g1	HWA mx	USA CA dn	USA CA ha	USA CA pa	USA CO ac	USA IL dt	USA IL gh	USA MA hj	USA MN gs	USA MO dp	USA NC dw	USA NJ rs	USA OR mc	USA OR sr	USA TN g4	USA TX du	USA TX tk	USA UT mu	USA VT j3	USA WA rt	

## MOBs

The following NDBs were heard by one reporter only - 'Mine Only Beacons' !  
(Occasionally an entry may be the result of an incorrectly received ident)

kHz	C/S	Location	St	ITU	Rptr	UTC
239	BBB	Benson	MN	USA	dt	16:47
236	DO	Minocqua	WI	USA	dt	10:00
223	FS	Fort Smith	AR	USA	du	17:35
226	REN	Warren	AR	USA	du	22:31
212	HP	Hammond	LA	USA	du	21:35
221	HS	Bay Saint Louis	MS	USA	du	08:20
230	VRT	Vernon	TX	USA	du	10:39
209	ANG	Wallblake, Anguilla Is.	-	AIA	dw	06:25
225	BRL	Barcelos (AM)	-	BRA	dw	03:01
220	UFP	Holguin	-	CUB	dw	10:13
230	ULC	Cayo Largo del Sur	-	CUB	dw	10:25
232	GT	Grand Turk Is.	-	TCA	dw	09:13
221	FX	Fort Lauderdale	FL	USA	dw	06:37
233	AG	Augusta	GA	USA	dw	02:00
227	AB	Albany	GA	USA	dw	06:37
205	GM	Wilmington	NC	USA	dw	16:00
227	CPC	Whiteville	NC	USA	dw	16:24
220	HUR	Person	NC	USA	dw	16:24
204	MD	Harrisburg	PA	USA	dw	02:37
219	CX	Harrisburg	PA	USA	dw	03:25
220	DCM	Chester	SC	USA	dw	16:24
230	BES	Bennettsville	SC	USA	dw	16:36
221	BO	Bristol	TN	USA	dw	06:37
236	VJ	Abingdon	VA	USA	dw	03:13
223	DAA	Fort Belvoir	VA	USA	dw	06:37
226	FAF	Fort Eustis	VA	USA	dw	16:24
201	YVZ	Deer Lake	ON	CAN	gh	02:09
211	K7	Ste Anne des Monts	QC	CAN	gh	05:33
209	MJ	Manchester	NH	USA	j3	00:03
216	CO	Concord	NH	USA	j3	00:09
238	KT	Kaitaia.	-	NZL	rw	10:48
215	HAY	Hay	NW	AUS	rw	10:44
236	AY	Albury	NW	AUS	rw	10:47
200	REN	Renmark	SA	AUS	rw	08:50
227	OOM	Moomba	SA	AUS	rw	08:59
200	MPA	Minnipa Black Field	SA	AUS	rw	10:43
230	NIE	Nile	TA	AUS	rw	08:55
209	WKB	Warracknabeal	VI	AUS	rw	08:46
212	BNS	Bairnsdale	VI	AUS	rw	08:52
218	PLE	Plenty Melbourne	VI	AUS	rw	08:54
239	BLT	Ballarat	VI	AUS	rw	09:03
203	HML	Hamilton	VI	AUS	rw	10:19
212	CGL	Coghlan Is.	-	ALS	sm	06:46
227	SH	(UNID)	-	XUN	sm	09:01
224	N5	Rocky Mt Hse / Rocky Two	AB	CAN	sm	09:33
200	5M	Sparwood Elk Valley	BC	CAN	sr	05:37
221	YAS	Kangirsuk	QC	CAN	vm	03:41
kHz	C/S	Location	St	ITU	Rptr	UTC

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE155 190-239.9 kHz + nnn.5 kHz 6-11 Apr 2012  
 NOW: CLE174 190-239.9 kHz + nnn.5 kHz 27-30 Sept 2013

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
CAN BC sm		1299		78		60		4050
CAN NS vm		887		24		27		2067
CAN QC g1		705		27		38		1537
USA CA ha		1294		27		21		4004
USA IL gh		1159		138		119		3226
USA MA hj		976		35		36		2032
USA NJ rs		1183		21		18		1983
USA OR mc		1026		38		37		2370
USA TX tk		62		0		2		80
USA VT j3		708		21		30		1551
<b>Averages:</b>		930		41		39		2290

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
AUS TA rw	514	991	3	12	5	12	684	2414
CAN ON ku	730	922	32	33	44	36	2197	2197
HWA mx	6222	4902	44	44	7	9	10793	7798
USA CA dn	1906	1682	86	47	45	28	10524	3630
USA CA pa	1530	1829	55	84	36	46	3856	3856
USA CO ac	1437	1512	91	100	63	66	3226	3861
USA IL dt	1088	1178	136	138	125	117	2991	3075
USA MN gs	743	863	14	27	19	31	1762	2476
USA MO dp	1134	1275	102	102	90	80	3136	3295
USA NC dw	1261	1275	200	148	159	116	3699	4399
USA OR sr	1468	1386	101	90	69	65	11297	3615
USA TN g4	300	379	1	3	4	7	918	949
USA TX du	1583	1404	166	91	105	65	3902	3353
USA UT mu	1368	1321	60	40	44	30	3178	3178
USA WA rt	891	929	37	36	42	39	2099	2257
<b>Averages:</b>	1478	1457	75	66	57	50	4284	3357
<b>% Increase:</b>		-1		-12		-13		-22

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 they 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 aerials, 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 table shows statistics for all the 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 aerials, 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.

**TAB's Trans-Atlantic Beacons**

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

kHz	C/S	Location	ITU	DEU hw	DEU je	ENG bk	FIN jt	HOL rb
214	YIO	Pond Inlet, NU	CAN	01	02		01	02
220	BX	Blanc Sablon, QC	CAN	04	01	22		01
216	CLB	Wilmington Carolina Bch, NC	USA	02	02			01