

**NDB LIST CLE No. 198** 320 - 334.9 kHz 18 - 21 Sept 2015, midday-midday local time

**COMBINED RESULTS  
REST OF THE WORLD**

For overall statistics, please see the covering email.

**Reporters:**

AUS	TA	et	Edgar Twining, Moonah
AUS	TA	rw	Bob Warren, Moonah
CAN	BC	sm	Steve McDonald, Mayne Island
CAN	NS	vm	Vernon Matheson, Truro
CAN	QC	gp	Guillaume Perron, Montreal
HWA		mx	Mike Tuggle, Kaneohe, Hawaii
USA	AZ	bc	Bob Coomler, Tucson
USA	CA	dn	Don Tomkinson, Upland
USA	CA	pa	Phil Atchley, Merced, Central California
USA	CO	ac	Anthony Casorso, Westminster
USA	FL	cg	Craig Cook, Oviedo
USA	IL	dt	Dave Tomasko, Galena
USA	MA	hj	Jonathan Jesse, Plymouth
USA	MO	dp	Dick Palmer, Foristell
USA	NH	jc	John Collins, Charlestown
USA	NJ	ge	George Muha, Cream Ridge
USA	OR	sr	Steve Ratzlaff, La Grande, NE Oregon
USA	TX	du	Douglas Springfield, New Chapel Hill, NE Texas
USA	UT	mu	Mark Moulding, Ogden, Northern UT
USA	VA	mb	Mike Trowbridge, Catlett

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 'at' 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. 9 indicates logged between 09:00-09:59 UTC)

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

Cou	St	kHz	Call	Location	AUS TA et	AUS TA rw	CAN BC sm	CAN NS vm	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MA hj	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du	USA UT mu	USA VA mb
AUS	NW	323	HBK	Holbrook	9	9																		
AUS	NW	326	MSO	Mount Sandon	9	9																		
AUS	NW	329	NAR	Narrandera	9	9																		
AUS	NW	332	BHI	Broken Hill	9	10																		
AUS	QD	323	TMO	The Monument	10	14																		
AUS	QD	324	EML	Emerald	10	10																		
AUS	QD	332	BAR	Barcaldine	9	11																		
AUS	TA	332	KIL	King Is.	9	10																		
AUS	VI	326	NHL	Nhill	9	9																		
AUS	WE	320	BRM	Broome	12																			
AUS	WE	323	CAR	Carnarvon	13																			
AUS	WE	326	ESP	Esperance	12	15																		
AUS	WE	329	CVM	Caversham	16																			
AUS	WE	332	DBY	Derby	21	2																		
AUS	WE	332	MNE	Mount Keith	13	1																		
CAN	AB	320	YQF	Red Deer										11		10					3		4	
CAN	AB	328	5J	Coronation			12					4		11		11					3		5	
CAN	AB	329	X2	Athabasca			12														4			
CAN	AB	332	XH	Medicine Hat			8				6	4		9		11		8			3		11	
CAN	AB	334	P2	Wetaskiwin			8					5									4			
CAN	BC	325	YJQ	Bella Bella Campbell Is.			10					5									4			
CAN	BC	326	DC	Princeton			10			11	11	5	3	12		11					1		5	
CAN	BC	326	XJ	Fort St John			12														4			
CAN	BC	332	WC	Abbotsford White Rock			8					4									3			
CAN	BC	332	XT	Terrace			8				6	7												
CAN	NB	326	FC	Fredericton				1	5								21			2	1			2
CAN	NL	323	UWP	Argentia																2				
CAN	NU	329	YEK	Arviat			12							4		1								
CAN	ON	326	VV	Warton				1	3					11		10	2	0		3	9	6		2

CAN	ON	326	YQK	Kenora							6		11		10		7				5	5		
CAN	ON	328	YTL	Big Trout Lake							5		3		10		0				5			
CAN	ON	329	YHN	Hornepayne			5	23	4			8	11		10	0	5	9	9	4	2		2	
CAN	ON	332	QT	Thunder Bay					6			6	4	9		11	2	5	9	9		2	5	3
CAN	ON	334	YER	Fort Severn											11		10							
CAN	ON	334	YSH	Smiths Falls Montague				1	7						2	2	7	3	1		7			
CAN	QC	323	KR	Schefferville				23	7							0		5						
CAN	QC	329	OU	Quebec Sainte Foy				4	8							1		2	0				3	
CAN	QC	332	YFM	La Grande 4				1	3						1	2	1	3	23				3	
CAN	SK	332	VT	Buffalo Narrows								8	11							3		5		
CAN	YT	329	PJ	Whitehorse			12																	
CKS	-	320	AI	Aitutaki	10																			
FJI	-	330	NO	Sawani	12																			
HWA	-	327	VYI	Kahului Valley Is						6														
HWA	-	332	POA	Pahoa			8			22		6	6	8						6		10		
NCL	-	325.5	NW	La Tontouta	10	14																		
NZL	-	322	CI	Chatham Islands	9	9																		
NZL	-	326	WR	Whangarei	9	10																		
POR	-	327	POR	Porto												1								
USA	CO	321	FT	Denver Skipi							5		0								13			
USA	CO	329	TAD	Trinidad			12				6	6	3	0		10		11			3	2	2	
USA	FL	326	PKZ	Pensacola										3	6	10		7				2		
USA	FL	332	FIS	Key West			5	5			6	6	6	3	7	10	1	7	5	2	4	2	3	
USA	GA	323	OUK	Calhoun												11		8				1		
USA	IA	323	EBS	Webster City												10		11						
USA	IA	326	LTU	Spencer										4		11						7		
USA	ID	324	ID	Idaho Falls Uconn.							5									12		1		
USA	ID	333	STI	Sturgeon Mountain Home			8				7	4	11			10				1		5		
USA	IL	329	AAA	Lincoln											8	10	10	17	9			2	3	
USA	IL	332	DN	Danville												10		22				8		
USA	IL	334	LH	Bloomington												11		22				8		
USA	IN	326	SIV	Sullivan												10		11				7		
USA	IN	331	JV	Jeffersonville											9	10	2	11	8			2	3	
USA	KS	326	FO	Topeka			4				6		11			11		11				2		
USA	KS	332	IC	Wichita										11				6				2		
USA	LA	329	BQP	Bastrop								7	4	8	10		7					2		
USA	MA	332	BE	Bedford													21		11	2			3	
USA	MD	332	DC	Oxon Hill (DC/MD)															0				3	



**COUNTRIES and STATES / PROVINCES HEARD:**

Shows the number of NDBs in each radio country that were logged by each reporter.

Cou	Country	St	AUS TA et	AUS TA rw	CAN BC sm	CAN NS vm	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MA hj	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du	USA UT mu	USA VA mb
AUS	Australia	NW	4	4																		
AUS	Australia	QD	3	3																		
AUS	Australia	TA	1	1																		
AUS	Australia	VI	1	1																		
AUS	Australia	WE	6	3																		
CAN	Canada	AB			4					2	4	3		3		1			5		3	
CAN	Canada	BC			5			1	1	2	4	1		1				4			1	
CAN	Canada	NB				1	1								1		1	1				1
CAN	Canada	NL															1					
CAN	Canada	NU			1							1		1								
CAN	Canada	ON			1	3	4			2	3	5		7	4	7	4	4	1	6	2	3
CAN	Canada	QC				3	3							1	3	1	3	2				2
CAN	Canada	SK									1	1							1		1	
CAN	Canada	YT			1																	
CKS	Cook Is.(Southern)	-	1																			
FJI	Fiji	-	1																			
HWA	Hawaii (US State)	-			1			2		1	1	1							1		1	
NCL	New Caledonia	-	1	1																		
NZL	New Zealand	-	2	2																		
POR	Portugal	-													1							
USA	USA	CO			1				1	2	1	2		1		1			2	1	1	
USA	USA	FL			1	1			1	1	1	2	2	2	1	2	1	1	1	2		1
USA	USA	GA												1		1				1		
USA	USA	IA										1		2		1				1		
USA	USA	ID			1					2	1	1		1					2		2	
USA	USA	IL											1	3	1	3	1			3		1
USA	USA	IN											1	2	1	2	1			2		1
USA	USA	KS			1					1		2		1		2				2		
USA	USA	LA									1	1	1	1		1				1		
USA	USA	MA													1		1	1				1
USA	USA	MD																1				1
USA	USA	ME													1		1					

USA	USA	MN			1							5		5		3				4		
USA	USA	MO												1		1						
USA	USA	NC											1	1	1		2			1		3
USA	USA	NE			2					1	1	2		2	1	2			1	1	1	
USA	USA	NH				1	1								1		1					1
USA	USA	NY													1		1					
USA	USA	OH												1		1				1		
USA	USA	OK										1				1				1		
USA	USA	PA												1	1		1	1				1
USA	USA	SC											2	2	1	1	1	1		2		1
USA	USA	TN											1	2	1	2				2		1
USA	USA	TX			2				4	1	1	4		2		3			1	7	1	
USA	USA	VA																				3
USA	USA	WA			1						1								1		1	
USA	USA	WI												1						1		
XOP	Offshore - Oceania	TA	1	1																		
XUN	UNID	-										1		1		1				1		
Cou	Country	St	AUS TA et	AUS TA rw	CAN BC sm	CAN NS vm	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MA hj	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du	USA UT mu	USA VA mb

**LISTENING TIMES:**

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

UTC (hh)	AUS TA et	AUS TA rw	CAN BC sm	CAN NS vm	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MA hj	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du	USA UT mu	USA VA mb	
00:00 - 00:59										3			2	3	1	2					
01:00 - 01:59		1		4								4	5	3		2	2	4	1		
02:00 - 02:59		1										1	8			4	2	15	1	8	
03:00 - 03:59		1			2				3	3					3		7			12	
04:00 - 04:59			2	1	1				7	5							6		2		
05:00 - 05:59			2	2	2		1	5	3	1				2	2		1	3	6		
06:00 - 06:59					1	1	5	9	3		2			1			1	5			

07:00 - 07:59				2			1	2	1	1			8				7			
08:00 - 08:59			6	1				2	1	4			6	3			6			
09:00 - 09:59	9	5	2						4	2				6	4					
10:00 - 10:59	5	4	3								27	2	2					1		
11:00 - 11:59		1	1			1	1		15		13		8	1		1		3	1	
12:00 - 12:59	3		7						1							1				
13:00 - 13:59	2															1				
14:00 - 14:59		2																		
15:00 - 15:59		1																		
16:00 - 16:59	1										1									
17:00 - 17:59													2		1					
18:00 - 18:59																				
19:00 - 19:59																				
20:00 - 20:59																				
21:00 - 21:59	1											3								
22:00 - 22:59						1						1	2							
23:00 - 23:59				2											1					
UTC (hh)	AUS TA et	AUS TA rw	CAN BC sm	CAN NS vm	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MA hj	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du	USA UT mu	USA VA mb
Totals:	21	16	23	9	9	3	7	15	20	34	9	46	21	37	20	12	20	40	14	21

**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 et	AUS TA rw	CAN BC sm	CAN NS vm	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MA hj	USA MO dp	USA NH jc	USA NJ ge	USA OR sr	USA TX du	USA UT mu	USA VA mb
6	320	3	1						1	1	2		3		2			1	2	1	
1	321								1		1							1			
1	322	1	1																		
11	323	3	2	1	1	1		1	1	1	3		3	1	4	2		1	4	1	1
2	324	1	1						1									1		1	
1	325			1						1								1			
1	325.5	1	1																		
20	326	4	4	4	2	2	1	2	4	2	8	2	12	3	7	3	2	3	9	3	4

3	327				1			1	1	1	1			1			1		
5	328			2	1	1			3	2	1	2	1	2	1	2	2	1	2
15	329	2	1	7	2	2		2	1	3	6	4	8	6	7	4	3	3	7
3	330	1									1			1					2
1	331										1	1	1	1	1				1
25	332	5	5	6	2	2	1	2	5	7	9	2	9	5	9	6	5	5	10
1	333			1					1	1	1		1				1		1
6	334			1	1	1				1		4	2	4	2	1	1		3

### 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
326	BVP	Houston	TX	USA	<b>du</b>	02:01
330	MF	McAllen	TX	USA	<b>du</b>	06:10
320	AI	Aitutaki	-	CKS	<b>et</b>	10:20
330	NO	Sawani	-	FJI	<b>et</b>	12:19
320	BRM	Broome	WE	AUS	<b>et</b>	12:33
323	CAR	Carnarvon	WE	AUS	<b>et</b>	13:07
329	CVM	Caversham	WE	AUS	<b>et</b>	16:33
327	POR	Porto	-	POR	<b>hj</b>	01:10
323	UWP	Argentia	NL	CAN	<b>jc</b>	02:52
332	HK.	Hickory	NC	USA	<b>mb</b>	02:55
326	BKT	Blackstone	VA	USA	<b>mb</b>	02:46
329	OR	Norfolk	VA	USA	<b>mb</b>	03:02
323	GTN	Georgetown (VA/DC)	VA	USA	<b>mb</b>	11:27
327	VYI	Kahului Valley Is	-	HWA	<b>mx</b>	06:17
329	PJ	Whitehorse	YT	CAN	<b>sm</b>	12:00

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE183 320 - 334.9 kHz 20 - 23 Jun 2014  
 NOW: CLE198 320 - 334.9 kHz 18 - 21 Sep 2015

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 et		2371		50		21		5901
CAN NS vm		1195		11		9		2850
CAN QC gp		673		6		9		1237
USA AZ bc		1421		10		7		2958
USA FL cg		849		8		9		1476
USA MA hj		1222		26		21		5028
USA MO dp		904		33		36		2105
USA VA mb		731		15		21		1702
<b>Averages:</b>		1171		20		17		2907

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	950	1846	5	30	5	16	1325	3607
CAN BC sm	1335	1694	29	39	22	23	4315	4499
HWA mx	3151	1679	19	5	6	3	5563	4522
USA CA dn	1967	2079	20	31	10	15	4016	4016
USA CA pa	1894	2102	25	42	13	20	3876	3925
USA CO ac	1338	1388	15	46	11	33	5244	5244
USA IL dt	577	1014	12	46	21	45	1378	2446
USA NH jc	1047	909	23	18	22	20	2448	2249
USA NJ ge	1194	907	11	11	9	12	1860	1860
USA OR sr	1141	1388	14	28	12	20	4441	4441
USA TX du	1303	1135	23	44	18	39	10502	2433
USA UT mu	1403	1396	17	20	12	14	4715	4715
<b>Averages:</b>	1442	1461	18	30	13	22	4140	3663
<b>% Increase:</b>		1		69		61		-12

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 aerals, etc. Many of our CLEs re-use the same 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 aerals, 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	USA MA hj															
327	POR	Porto	POR	01															