

**NDB LIST CLE No. 208 400 - 419.9 kHz 1 - 4 July 2016, 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
CAN	BC	bt	Brian Butler, Hazelton
CAN	BC	sm	Steve McDonald, Mayne Island
CAN	QC	ky	Richard Katezansky, Montreal
HWA		mx	Mike Tuggle, Kaneohe, Hawaii
USA	AZ	bc	Bob Coomler, Tucson
USA	AZ	dl	Dave Hollander, Phoenix, Arizona
USA	AZ	sr	Steve Ratzlaff, Near Sahuarita, SE Arizona
USA	CA	dn	Don Tomkinson, Upland
USA	CO	ac	Anthony Casorso, Westminster
USA	FL	cg	Craig Cook, Oviedo
USA	IL	dt	Dave Tomasko, Galena
USA	IL	fy	Joe Farley, Downers Grove
USA	MO	dp	Dick Palmer, Foristell
USA	NH	jc	John Collins, Charlestown
USA	NJ	ge	George Muha, Cream Ridge
USA	TX	du	Douglas Springfield, New Chapel Hill, NE Texas
USA	WA	so	Steven O'Kelley, The Dungeon, Nr Seattle

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. 09 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	CAN BC bt	CAN BC sm	CAN QC ky	HWA mx	USA AZ bc	USA AZ dl	USA AZ sr	USA CA dn	USA CO ac	USA FL cg	USA IL dt	USA IL fy	USA MO dp	USA NH jc	USA NJ ge	USA TX du	USA WA so	
ALS	-	404	GCR	Cordova			09																
ALS	-	411	ILI	Iliamna			10																
ALS	-	414	IME	Mount Edgecumbe Sitka		07	10																
AUS	NN	401	MGD	Maningrida	11																		
AUS	NW	401	ARM	Armidale	09																		
AUS	NW	407	GDH	Gunnedah	09																		
AUS	NW	413	NBR	Narrabri	09																		
AUS	NW	416	BK	Bankstown	09																		
AUS	QD	404	COE	Coen	09																		
AUS	QD	407	WDH	Windorah	09																		
AUS	QD	413	BDV	Birdsville	09																		
AUS	SA	416	PF	Parafield	10																		
AUS	VI	401	HSM	Horsham	09																		
AUS	VI	407	SWH	Swan Hill	22																		
AUS	WE	404	KA	Karratha	11																		
CAN	AB	400	1L	Fort Mackay			10															08	
CAN	AB	405	2K	Camrose		07	08						09										08
CAN	AB	405	9G	Sundre		08	08						09										08
CAN	AB	408	Z7	Claresholm		09	08					08	10										09
CAN	BC	400	QQ	Comox		04	10					07	10										20
CAN	BC	414	YZK	Harper Ranch Kamloops		08	04																
CAN	NB	404	YSL	St Leonard Grand Ruisseau				04								02	04		02	01			

CAN	ON	401	YPO	Peawanuck			08							04	05	02	06		
CAN	ON	403	ZTO	Toronto Woodhill / Brampton												02	07		
CAN	ON	404	ZR	Sarnia											08				
CAN	ON	408	SN	St Catharines												02	06		
CAN	ON	409	YTA	Pembroke				04					02	04	08	02	01		
CAN	ON	413	YHD	Dryden		08	09					09		02	04	02	02	06	09
CAN	QC	401	Y8	Drummondville				21								02			
CAN	QC	405	7L	La Sarre										02					
CAN	QC	407	ZHU	Montreal St Hubert			10	21						02	04	08	02	06	
CAN	QC	414	3U	Gatineau				11						02	06		02	06	
CAN	SK	402	L4	Nipawin		08	08					09							09
CAN	SK	402	M3	Kindersley		08	08												08
CAN	SK	406	YLJ	Meadow Lake		06	08					09					08		08
CYM	-	415	CBC	West End Cayman Brac.			09						08	09		08	07		05
FJI	-	405	VK	Navakai	09														
MDW	-	400	MDY	Sand Is. Midway					11										
MEX	-	400	ENS	Ensenada						05	05	19							
NCL	-	402	OA	Ouvea	09														
SMA	-	403	TUT	Pago Pago Tafuna Tutuila Is	09				15										
SPM	-	402	MQ	Miquelon													02		
USA	AZ	403	AZC	Colorado City			11			05	11	05							
USA	AZ	407	CHD	Chandler			10		05	05	22	05							
USA	AZ	410	DAO	Dragoo Sierra Vista Muni.					05	05	22	05	10						
USA	CA	404	MOG	Montague.		05	08		11	05	05	04	09						08
USA	CO	400	FN	Fort Collins			06			05			01		09				
USA	CO	407	CO	Colorado Springs									01						
USA	GA	400	OHY	Coney Cordele									07						
USA	GA	400	UWI	Dalton														08	
USA	GA	407	BZ	Statesboro									08						
USA	GA	414	AZE	Hazlehurst									08						
USA	IA	411	SDA	Shenandoah										17	04	22			
USA	IA	414	OOA	Oskaloosa										17	18	18			
USA	IA	414	SU	Sioux City										17	09	08			

USA	IA	417	IY	Charles City											17	18	18	07	06	09
USA	IL	400	SLO	Salem											17	18	18			
USA	IL	407	CM	Champaign Urbana											17	18	18			
USA	IN	401	LA	Lafayette											17	18	22			
USA	IN	410	BA	Columbus											17	18	08	08		
USA	IN	417	HHG	Huntington											17	18	18	02	06	
USA	KS	407	HRU	Herington											17	03	08			05
USA	KS	408	JDM	Colby Wheatfield			10				07	01			09	09	08			09
USA	KS	414	GL	Goodland							13									
USA	KS	419	GB	Great Bend											09	08	08			
USA	KY	400	XW	Mason Flemingsburg				02							09	04	07	02		05
USA	LA	407	OOC	Natchitoches																18
USA	LA	414	MSD	Mansfield													08			18
USA	LA	418	CW	Lake Charles Chennault											10	04	08			18
USA	MA	402	LW	Lawrence				04										02	06	
USA	MD	407	OX	Ocean City														08		
USA	MI	400	CI	Sault Ste. Marie				09							17	04		07		
USA	MI	410	SO	Marquette												08				
USA	MI	419	RYS	Detroit Grosse Ile				08							17	04	08	02	06	
USA	MN	400	CKN	Crookston				10												
USA	MN	400	PPI	St Paul											17	04	08			
USA	MO	400	TRX	Trenton											17	06	18			
USA	MO	404	ST	St Louis													18			
USA	MO	414	IEB	Lebanon											09	03	18			05
USA	MS	413	MC	McComb																09
USA	MT	410	GDV	Glendive Dawson Community			09	08				09			10	05	09			08
USA	MT	414	LYI	Libby			06	10				10								08
USA	MT	415	LO	West Yellowstone				09				09								
USA	NC	410	JU	West Jefferson														08		
USA	NC	412	CTZ	Clinton														07		
USA	NC	417	SLP	Shelby													08			
USA	NE	400	AHQ	Wahoo											17	03				05
USA	NE	404	FNB	Falls City				09				10			17	05	18			05





USA	USA	NC														1	2				
USA	USA	NE			1					2			2	1	2		3	3	2		2
USA	USA	NM																		1	
USA	USA	NY				2												3	4		
USA	USA	OH														1		1			
USA	USA	OK																			1
USA	USA	SC												1					2		
USA	USA	TX																			2
USA	USA	WA		1	1							1	1								1
USA	USA	WI												2	2	1	1				
VUT	Vanuatu	-	1																		
XOC	Offshore	-											1								1
XUN	UNID	-											1								
Cou	Country	St	AUS TA et	CAN BC bt	CAN BC sm	CAN QC ky	HWA mx	USA AZ bc	USA AZ dl	USA AZ sr	USA CA dn	USA CO ac	USA FL cg	USA IL dt	USA IL fy	USA MO dp	USA NH jc	USA NJ ge	USA TX du	USA WA so	

**LISTENING TIMES:**

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

UTC (hh)	AUS TA et	CAN BC bt	CAN BC sm	CAN QC ky	HWA mx	USA AZ bc	USA AZ dl	USA AZ sr	USA CA dn	USA CO ac	USA FL cg	USA IL dt	USA IL fy	USA MO dp	USA NH jc	USA NJ ge	USA TX du	USA WA so
01:00 - 01:59										3						2		
02:00 - 02:59				1								6		1	18			
03:00 - 03:59													3					
04:00 - 04:59		1	1	3					1				13					
05:00 - 05:59		1				4	6	3	3				2	1			6	
06:00 - 06:59		2	1	1									2			10		
07:00 - 07:59		3							4				3	1	5	2		
08:00 - 08:59		5	11						1				3	18	7			8
09:00 - 09:59	12	2	5	1						10	1	6	2	1			5	2
10:00 - 10:59	1		9							5		5					1	



14	407	3		2	1		1	1	1	1	1	4	5	4	5	2	2
4	408		2	3					3			1	1	1	1	1	1
1	409				1							1	1	1	1	1	
7	410		1	1			1	1	1	2	1	2	3	2	2		2
2	411			1								1	1	1			
3	412	1										1	1	1	1	1	
4	413	2	1	1						1		1	1	1	1	1	2
13	414		3	3	1		1		1	4	1	6	5	5	2	1	2
2	415			2						1	1	1		1	1		1
2	416	2															
3	417											2	2	3	2	2	1
1	418											1	1	1			1
2	419			1								2	2	2	1	1	

### 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)  
Edgar's entries are better seen from the main 'Beacons Heard' list.

kHz	C/S	Location	St	ITU	Rptr	UTC
407	CO	Colorado Springs	CO	USA	<b>ac</b>	01:39
414	GL	Goodland	KS	USA	<b>ac</b>	13:03
405	5	(UNID)	-	XUN	<b>cg</b>	07:55
400	OHY	Coney Cordele	GA	USA	<b>cg</b>	07:47
407	BZ	Statesboro	GA	USA	<b>cg</b>	08:03
414	AZE	Hazlehurst	GA	USA	<b>cg</b>	08:17
400	UWI	Dalton	GA	USA	<b>dp</b>	08:53
404	ST	St Louis	MO	USA	<b>dp</b>	18:33
417	SLP	Shelby	NC	USA	<b>dp</b>	08:40
404	ZR	Sarnia	ON	CAN	<b>dp</b>	08:18
407	OOC	Natchitoches	LA	USA	<b>du</b>	18:14
413	MC	McComb	MS	USA	<b>du</b>	09:21
400	Al	Ardmore	OK	USA	<b>du</b>	18:42

400	ROB	Waco	TX	USA	<b>du</b>	18:41
410	GG	Longview	TX	USA	<b>du</b>	18:55
410	SO	Marquette	MI	USA	<b>fy</b>	08:51
400	RO	Rochester	NY	USA	<b>qe</b>	07:19
402	MQ	Miquelon	-	SPM	<b>jc</b>	02:35
407	OX	Ocean City	MD	USA	<b>jc</b>	08:32
412	CTZ	Clinton	NC	USA	<b>jc</b>	07:44
410	JU	West Jefferson	NC	USA	<b>jc</b>	08:32
414	FDW	Winnsboro	SC	USA	<b>jc</b>	08:31
400	MDY	Sand Is. Midway	-	MDW	<b>mx</b>	11:18
404	GCR	Cordova	-	ALS	<b>sm</b>	09:30
411	ILI	Iliamna	-	ALS	<b>sm</b>	10:30
400	CKN	Crookston	MN	USA	<b>sm</b>	10:00

### FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE193 400-419.9 kHz 24-27 Apr 2015  
NOW: CLE208 400-419.9 kHz 1 - 4 July 2016

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		2406		39		16		5103
CAN BC bt		1222		17		14		2405
CAN QC ky		404		4		10		1126
USA AZ bc		361		1		4		611
USA AZ dl		574		3		6		1292
USA AZ sr		585		4		7		1481
USA IL fy		716		24		33		1705
USA WA so		866		10		12		1445

Averages:	892	13	13	1896
-----------	-----	----	----	------

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	1779	1631	76	46	43	28	5038	5038
HWA mx	3829	3442	19	10	5	3	4454	4218
USA CA dn	1407	1094	24	11	17	10	4046	1841
USA CO ac	1030	1023	32	20	31	20	3284	1912
USA FL cg	533	632	2	4	3	6	1010	1010
USA IL dt	936	829	48	29	51	35	2768	2710
USA MO dp	879	759	39	25	44	33	2938	2382
USA NH jc	1043	985	34	30	33	30	2711	2881
USA NJ ge	828	775	17	12	21	16	2329	1841
USA TX du	1112	771	48	14	43	18	2845	2072
Averages:	1338	1194	34	20	29	20	3142	2591
% Increase:		-11		-41		-32		-18

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 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 lower 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 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**

There was no trans-atlantic reception in either direction this time.