NDB LIST CLE No. 270 400 - 419.9 kHz 23.07.2021 - 26.07.2021

COMBINED RESULTS
Rest of the World

For overall statistics, please see the covering email.

Reporters:

AUS, NSW	mjn	Mick Johnson, Pambula Beach
AUS, SA	rw	Bob Warren, Blakeview
AUS, TA	et	Edgar Twining, Moonah
CAN, BC	sm	Steve McDonald, Mayne Island
CAN, NS	vm	Vernon Matheson, Truro
CAN, ON	sn	Shaun Boland, Hamilton
HWA	mx	Mike Tuggle, Kaneohe, Hawaii
USA, AZ	sr	Steve Ratzlaff, Near Sahuarita, SE Arizona
USA, CA	ha	Bill Haddon, Kelseyville
USA, CA	od	Frank O'Donnell, South Pasadena
USA, CO	ac	Anthony Casorso, Westminster
USA, IL	dt	Dave Tomasko, Galena
USA, IL	fy	Joe Farley, Downers Grove
USA, MO	dp	Dick Palmer, St Charles
USA, NE	dn	Don Tomkinson, Gothenburg
USA, NH	jc	John Collins, Charlestown
USA, OH	lwr	Larry Weaver, Northwood
USA, OH	ra	Rod Hranko, Powhatan Pt., East Ohio
USA, PA	el	Mark Bell, Airville
USA, TX	du	Douglas Springfield, New Chapel Hill, NE Texas
USA, UT	mu	Mark Moulding, Ogden, Northern UT
USA, VT	se	Stephen Howe, Saint Albans, VT
USA, WA	so	Steven O'Kelley, The Dungeon, Nr Seattle
USA, WA	wo	Waldo Magnuson, Spokane

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'at'ndblist.info - replace the 'at' by an @ symbol)

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	AUS NSW mjn	AUS SA rw	AUS TA et	CAN BC sm	CAN NS vm	CAN ON sn	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA IL fy	USA MO dp	USA NE dn	USA NH jc	USA OH lwr	USA OH ra	USA PA el	USA TX du	USA UT mu	USA VT se	USA WA so	USA WA wo
ALS, AK	404.0	GCR	"Glacier River" Cordova				10																			10	
ALS, AK	414.0	IME	"Mount Edgecumbe" Sitka				10																			11	
AUS, NN	401.0	MGD	Maningrida		13	15																					
AUS, NW	401.0	ARM	Armidale	08	13	10																					
AUS, NW	407.0	GDH	Gunnedah	16	13	10																					
AUS, NW	407.0	GLB	Gouldburn	08		10																					
AUS, NW	413.0	NBR	Narrabri	18	13	09																					
AUS, NW	416.0	BK	Bankstown	18		10																					
AUS, QD	404.0	COE	Coen		15	10																					
AUS, QD	413.0	BDV	Birdsville			10																					
AUS, SA	416.0	PF	Parafield		03	09																					

AUS, VI	407.0	SWH	Swan Hill	08	03	10																						
AUS, WE	404.0	KA	Karratha		13																							
BRA	400.0	GJM	Guajara (RO)					02																				
BRA	415.0	PCL	Poços de Caldas (MG)					01																				
CAN, AB	405.0	2K	Camrose				10					06		11														
CAN, AB	405.0	9G	Sundre				10					09																
CAN, AB	408.0	Z7	Claresholm				10					09		10	10										06		04	
CAN, BC	400.0	QQ	Comox				10				05	05	07	10	10		09	06		08			10	05		04	08
CAN, ON	401.0	YPO	Peawanuck				08	02	05			08		07	09	05	03	07	08	03	02	04	08		03			
CAN, ON	403.0	ZTO	Woodhill / Brampton (Toronto)					01	05							06			02	19	02							
CAN, ON	408.0	SN	"St. Catharines" Saint Catharines					01	05										02		02	08						
CAN, ON	409.0	YTA	Pembroke					01	05						09	05			02	03	02	03			03			
CAN, QC	401.0	Y8	Drummondville					01											00									
CAN, QC	407.0	ZHU	Hauts-Bois / St Hubert (Montreal)					04	05							05	08		01		02	00			03			
CAN, SK	402.0	L4	Nipawin				10							10	09		08	06								07		
CAN, SK	402.0	M3	Kindersley				10					09		10	09			07								10		
FJI	405.0	VK	Navakai	16	15	10																						
MDW	400.0	MDY	"Midway" Gooneyville (Sand Island)							12																		
NCL	402.0	OA	Ouvea			10																						
PRG	405.0	CON	Concepcion					02																				
SLM	400.0	TST	Munda International Airport		13	15																						
SMA	403.0	TUT	Tafuna (Tutuila Island)		13	10																						
SPM	402.0	MQ	Miquelon (Grande Miquelon)					01																				
THA	414.0	UP	Rayong / U-Taphao Int.		17																							
USA, AR	418.0	EL	"Lados" El Dorado																				10					
USA, AZ	403.0	AZC	Colorado City								05	05	12	10										03		05		
USA, CA	404.0	MOG	Montague				10				03	04	07	10	10		08						07	06		04	08	
USA, GA	400.0	OHY	"Coney" Cordele																				07					
USA, GA	407.0	BZ	"Bullo" Statesboro																	04	06	04						
USA, GA	415.0	DJD	Canton						06								06				02	09	07					
USA, IA	414.0	SU	"Salix" Sioux City								10			10	17	05	03	17					10					
USA, IA	417.0	IY	"Chukk" Charles City						07					10	18	18	05	17			06		10					
USA, IL	407.0	CM	"Veals" Champaign / Urbana												17	18	17			19								
USA, IN	410.0	BA	"Clifs" Columbus					07	06						17	18	03		08	16	02	08						
USA, KS	404.0	HU	"Saltt" Hutchinson											10	10		10	17					10					
USA, KS	407.0	HRU	Herington				11	04			05	09	10	19	10	05	03	17		03								
USA, KS	408.0	JDM	"Wheatfield" Colby				10				05	05	07	19	10	06	03	17		06			10	06		10		
USA, KS	414.0	GL	"Shugr" Goodland								10			19			10	17										
USA, KS	419.0	GB	"Babsy" Great Bend											19	09			17					10					
USA, LA	407.0	OOC	"Campi" Natchitoches								10			08	10		10			00			21					
USA, MD	400.0	NHK	"Patuxent" Patuxent River					05											08		03	16						
USA, MD	407.0	OX	"Landy" Ocean City					01											08		02	00						
USA, MI	400.0	CI	"Koloe" Sault Ste. Marie					02	05						09	05	03	05	01	00	06								
USA, MI	419.0	RYS	"Grosse Ile" Detroit / Grosse Ile					01	06						18	04	03		08	16	02	08						
USA, MN	404.0	XCR	"Ripley" Little Falls						06					10	09		08	06			06							
USA, MT	414.0	LYI	Libby				10					08												07		05		
USA, MT	415.0	LO	"Targy" West Yellowstone				10				11	05		10										06		11		
USA, NC	412.0	CTZ	Clinton					04												07	02	03						
USA, NC	417.0	HQT	"Harnett" Coats					04	05										01	04	02	02						
USA, NC	417.0	SLP	"First River" Shelby					05	06								03		08	07	02	04						
USA, NE	400.0	AHQ	Wahoo				10				05			10	17	05	10	17					10					
USA, NE	407.0	PLT	"Platte Center" Columbus											10	09		08	17										
USA, NE	414.0	GRN	Gordon				11				06	05		19	10			17					10			10		
USA, NE	416.0	LB	"Panbe" North Platte											19	09			17					10					
USA, NM	402.0	CV	Carlz Carlsbad								03		11	10	10			06					20					
USA, NM	414.0	ATS	Artesia					06			02	05	07	10	09		10	07		06			10	06				
USA, NY	407.0	FR	"Frikk" Farmingdale					04											01			01						
USA, OH	407.0	IL	"Airbo" Wilmington					01	05						09	05	03		02	16	02	03						
USA, OK	400.0	AI	"Addmo" Ardmore														10	06					21					
USA, SC	400.0	LKR	Lancaster																	08	06							

USA, TX	400.0	ROB	"Robinson" Waco								05			10			10	06					21				
USA, TX	410.0	GG	"Veels" Longview																				21				
USA, WA	408.0	MW	"Pelly" Moses Lake				10				11	04	07	10				05						06		04	08
USA, WI	407.0	AQ	"Kooky" Appleton						07						17	18	03			19	06						
USA, WI	412.0	CMY	"Mc Coy" Sparta											10	17	04	06	06		06							
VTN	414.0	CR	Camranh		18																						
Cou, S/P	**QRG**	**ID**	**Name**	**AUS NSW mjn**	**AUS SA rw**	**AUS TA et**	**CAN BC sm**	**CAN NS vm**	**CAN ON sn**	**HWA mx**	**USA AZ sr**	**USA CA ha**	**USA CA od**	**USA CO ac**	**USA IL dt**	**USA IL fy**	**USA MO dp**	**USA NE dn**	**USA NH jc**	**USA OH lwr**	**USA OH ra**	**USA PA el**	**USA TX du**	**USA UT mu**	**USA VT se**	**USA WA so**	**USA WA wo**

COUNTRIES HEARD:

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

Cou	Cou-Name	AUS NSW mjn	AUS SA rw	AUS TA et	CAN BC sm	CAN NS vm	CAN ON sn	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA IL fy	USA MO dp	USA NE dn	USA NH jc	USA OH lwr	USA OH ra	USA PA el	USA TX du	USA UT mu	USA VT se	USA WA so	USA WA wo
ALS	Alaska, AK				2																			2	
AUS	Australia, NN		1	1																					
AUS	Australia, NW	5	3	5																					
AUS	Australia, QD		1	2																					
AUS	Australia, SA		1	1																					
AUS	Australia, VI	1	1	1																					
AUS	Australia, WE		1																						
BRA	Brazil					2																			
CAN	Canada, AB				3					3		2	1									1		2	
CAN	Canada, BC				1				1	1	1	1	1		1	1		1			1	1		1	1
CAN	Canada, ON				1	4	4			1		1	2	3	1	1	4	3	4	3	1		2		
CAN	Canada, QC					2	1							1	1		2		1	1			1		
CAN	Canada, SK				2					1		2	2		1	2								2	
FJI	Fiji	1	1	1																					
MDW	Midway Island							1																	
NCL	New Caledonia			1																					
PRG	Paraguay					1																			
SLM	Solomon Islands		1	1																					
SMA	Samoa, American		1	1																					
SPM	St Pierre Et Miquelon					1																			
THA	Thailand		1																						
USA	USA, AR																				1				
USA	USA, AZ								1	1	1	1										1		1	
USA	USA, CA				1				1	1	1	1	1		1						1	1		1	1
USA	USA, GA						1						1		1			1	2	2	2				
USA	USA, IA						1		1			2	2	2	2	2			1		2				
USA	USA, IL												1	1	1			1							
USA	USA, IN					1	1						1	1	1		1	1	1	1					
USA	USA, KS				2	1			3	2	2	5	4	2	4	5		2			3	1		1	
USA	USA, LA								1			1	1		1			1			1				
USA	USA, MD					2											2		2	2					
USA	USA, MI					2	2						2	2	2	1	2	2	2	1					
USA	USA, MN						1					1	1		1	1			1						
USA	USA, MT				2				1	2		1										2		2	
USA	USA, NC					3	2								1		2	3	3	3					
USA	USA, NE				2				2	1		4	4	1	2	4					3			1	
USA	USA, NM					1			2	1	2	2	2		1	2		1			2	1			
USA	USA, NY					1											1			1					
USA	USA, OH					1	1						1	1	1		1	1	1	1					
USA	USA, OK														1	1					1				
USA	USA, SC																	1	1						
USA	USA, TX								1			1			1	1					2				
USA	USA, WA				1				1	1	1	1				1						1		1	1

Cou	Cou-Name	AUS NSW mjn	AUS SA rw	AUS TA et	CAN BC sm	CAN NS vm	CAN ON sn	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA IL fy	USA MO dp	USA NE dn	USA NH jc	USA OH lwr	USA OH ra	USA PA el	USA TX du	USA UT mu	USA VT se	USA WA so	USA WA wo
USA	USA, WI						1					1	2	2	2	1		2	1						
VTN	Vietnam		1																						

LISTENING TIMES:

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

UTC (hh)	AUS NSW mjn	AUS SA rw	AUS TA et	CAN BC sm	CAN NS vm	CAN ON sn	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA IL fy	USA MO dp	USA NE dn	USA NH jc	USA OH lwr	USA OH ra	USA PA el	USA TX du	USA UT mu	USA VT se	USA WA so	USA WA wo
00:00 - 00:59																1	2		2					
01:00 - 01:59					9											4			1					
02:00 - 02:59					4			1								4		13	1					
03:00 - 03:59		2						2						10			3	1	3		1	3		
04:00 - 04:59					5				2				2				2		3				4	
05:00 - 05:59					2	8		6	6				8	1	2						1		3	
06:00 - 06:59					1	5		1	1				2	2	7		3	6			6			
07:00 - 07:59					1	2				5	1				3		2			3	1		1	
08:00 - 08:59	3			1					2		1			5		6	2		3	1				3
09:00 - 09:59			2						4			11		1					1					
10:00 - 10:59			10	14				3		1	18	9		7						11			4	
11:00 - 11:59				2				2		1	1												2	
12:00 - 12:59							1			1														
13:00 - 13:59		7																						
14:00 - 14:59																								
15:00 - 15:59		2	2																					
16:00 - 16:59	2																3		1					
17:00 - 17:59		1										6		1	11									
18:00 - 18:59	2	1										2	4											
19:00 - 19:59											6						3							
20:00 - 20:59																				1				
21:00 - 21:59																				4				
22:00 - 22:59																								
23:00 - 23:59																								
UTC (hh)	AUS NSW mjn	AUS SA rw	AUS TA et	CAN BC sm	CAN NS vm	CAN ON sn	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA IL fy	USA MO dp	USA NE dn	USA NH jc	USA OH lwr	USA OH ra	USA PA el	USA TX du	USA UT mu	USA VT se	USA WA so	USA WA wo
NDBs:	7	13	14	17	22	15	1	15	15	8	27	28	16	27	23	15	20	20	15	20	9	3	14	3

NDB COUNTS, BY FREQUENCY:

and the number logged by all on each frequency, ignoring offsets:

NDBs	QRG	AUS NSW mjn	AUS SA rw	AUS TA et	CAN BC sm	CAN NS vm	CAN ON sn	HWA mx	USA AZ sr	USA CA ha	USA CA od	USA CO ac	USA IL dt	USA IL fy	USA MO dp	USA NE dn	USA NH jc	USA OH lwr	USA OH ra	USA PA el	USA TX du	USA UT mu	USA VT se	USA WA so	USA WA wo	NDBs
11	400.0		1	1	2	3	1	1	3	1	1	3	3	2	5	5	2	3	3	1	5	1		1	1	11
4	401.0	1	2	2	1	2	1			1		1	1	1	1	1	2	1	1	1	1		1			4
5	402.0			1	2	1			1	1	1	3	3		1	3					1			2		5
3	403.0		1	1		1	1		1	1	1	1		1			1	1	1			1		1		3
6	404.0		2	1	2		1		1	1	1	3	3		3	2			1		2	1		2	1	6
4	405.0	1	1	1	2	1				2		1												1		4
13	407.0	3	2	3	1	5	3		2	1	1	3	6	5	7	2	4	6	5	5	1		1			13
4	408.0				3	1	1		2	3	2	3	2	1	1	2	1	1	1	1	1	3		3	1	4

1	409.0					1	1						1	1			1	1	1	1			1			**1**
2	410.0					1	1						1	1	1		1	1	1	1	1					**2**
2	412.0					1						1	1	1	1	1		2	1	1						**2**
2	413.0	1	1	2																						**2**
8	414.0		2		3	1			4	3	1	4	3	1	3	4		1			3	2		3		**8**
3	415.0				1	1	1		1	1		1			1				1	1	1	1		1		**3**
3	416.0	1	1	2								1	1			1					1					**3**
3	417.0					2	3					1	1	1	2	1	2	2	3	2	1					**3**
1	418.0																				1					**1**
2	419.0					1	1					1	2	1	1	1	1	1	1	1	1					**2**
NDBs	**QRG**	**AUS NSW mjn**	**AUS SA rw**	**AUS TA et**	**CAN BC sm**	**CAN NS vm**	**CAN ON sn**	**HWA mx**	**USA AZ sr**	**USA CA ha**	**USA CA od**	**USA CO ac**	**USA IL dt**	**USA IL fy**	**USA MO dp**	**USA NE dn**	**USA NH jc**	**USA OH lwr**	**USA OH ra**	**USA PA el**	**USA TX du**	**USA UT mu**	**USA VT se**	**USA WA so**	**USA WA wo**	**NDBs**

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

QRG	ID	Name	S/P	ITU	Rptr	UTC
418.0	EL	"Lados" El Dorado	AR	USA	**du**	1035
400.0	OHY	"Coney" Cordele	GA	USA	**du**	0734
410.0	GG	"Veels" Longview	TX	USA	**du**	2146
413.0	BDV	Birdsville	QD	AUS	**et**	1005
402.0	OA	Ouvea		NCL	**et**	1001
400.0	MDY	"Midway" Gooneyville (Sand Island)		MDW	**mx**	1225
404.0	KA	Karratha	WE	AUS	**rw**	1330
414.0	CR	Camranh		VTN	**rw**	1830
414.0	UP	Rayong / U-Taphao Int.		THA	**rw**	1700
400.0	GJM	Guajara (RO)		BRA	**vm**	0244
402.0	MQ	Miquelon (Grande Miquelon)		SPM	**vm**	0131
405.0	CON	Concepcion		PRG	**vm**	0227
415.0	PCL	Poços de Caldas (MG)		BRA	**vm**	0125

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN	CLE254	400-419.9 kHz	27.03.2020 - 30.03.2020
NOW	CLE270	400-419.9 kHz	23.07.2021 - 26.07.2021

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, SA rw	1441	2886	16	38	11	13	2651	6583
AUS, TA et	2257	2369	29	33	14	14	5103	5103
CAN, BC sm	2063	1290	91	22	45	17	5036	2655
CAN, NS vm	3348	2352	121	52	36	22	7638	7645
CAN, ON sn	858	676	13	10	15	15	2615	1362
HWA mx	4459	2115	27	2	6	1	5483	2115
USA, AZ sr	2016	1378	97	21	50	15	3571	2290
USA, CA ha	1883	1539	53	23	29	15	4629	3290
USA, CA od	1718	1368	27	11	16	8	4092	1975
USA, CO ac	1331	1020	57	28	45	27	3280	2227
USA, IL dt	1224	1017	60	28	50	28	2776	2776
USA, IL fy	1177	672	58	11	50	16	2972	1481
USA, MO dp	1147	1006	57	27	50	27	2945	2971
USA, NE dn	1070	813	41	19	38	23	3040	2166
USA, NH jc	1448	776	46	12	32	15	5106	1606

USA, OH ra	1332	687	67	14	51	20	4335	1717
USA, PA el	1059	667	24	10	23	15	3931	1819
USA, TX du	1409	1068	69	21	51	20	3133	3133
USA, UT mu	997	879	13	8	13	9	1764	1387
USA, WA so	1670	1069	55	15	34	14	4907	2074
Averages:	**1695**	**1282**	**51**	**20**	**33**	**17**	**3950**	**2819**
% Increase:		**-24**		**-60**		**-49**		**-29**

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, NSW mjn		963		7		7		3435
USA, OH lwr		949		19		20		3311
USA, VT se		623		2		3		1436
USA, WA wo		510		2		3		779
Averages:		**761**		**7**		**8**		**2240**
% Increase:								

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 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 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 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.
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!