

For overall statistics, please see the covering email.

**Reporters:**

AUS, SA	rw	Bob Warren, Blakeview
CAN, BC	bt	Brian Butler, Hazelton
CAN, BC	co	Dan Collier, Vancouver - while at Univ. ARC
CAN, BC	sm	Steve McDonald, Mayne Island
CAN, NS	vm	Vernon Matheson, Truro
CAN, QC	ky	Richard Katezansky, Main, Montreal
HWA	mx	Mike Tuggle, Kaneohe, Hawaii
THA	g6	Geir Laastad (NOR), while at Cha-Am, Thailand
USA, AZ	sr	Steve Ratzlaff, Near Sahuarita, SE Arizona
USA, CA	c9	Christoph Mayer, using remote Perseus at Stanford
USA, CO	ac	Anthony Casorso, Westminster
USA, IL	dt	Dave Tomasko, Galena
USA, MD	d4	Dan Petersen (WA), via remote SDR atFair Hill
USA, MD	ri	Rich Dalton, 3m NW of Newark, DE
USA, MI	ct	Carl Schmidt, Rochester
USA, MI	jb	Joe Miller, Troy
USA, MI	i9	Lorraine Kulbacka, via KiwiSDR at Farmington Hills
USA, MO	dp	Dick Palmer, Wentzville
USA, NC	ws	Bill Stewart, Smithfield, 30 miles SE of Raleigh
USA, NE	dn	Don Tomkinson, Gothenburg
USA, NH	jc	John Collins, Charlestown
USA, NJ	ge	George Muha, Cream Ridge
USA, NJ	rs	Bill Riches, Cape May
USA, TX	ch	Chuck Dobbins, Alpine
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**

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 SA rw	CAN BC bt	CAN BC co	CAN BC sm	CAN NS vm	CAN QC ky	HWA mx	THA g6	USA AZ sr	USA CA c9	USA CO ac	USA IL dt	USA MD d4	USA MD ri	USA MI ct	USA MI jb	USA MI i9	USA MO dp	USA NC ws	USA NE dn	USA NH jc	USA NJ ge	USA NJ rs	USA TX ch	USA TX du	USA WA so
ALS, AK	245.0	HNS	Haines				13																						
ALS, AK	251.0	OSE	Oscarville' Bethel				11																					11	
AUS, NW	242.0	PKS	Parkes	09																									
AUS, NW	251.0	DU	Dubbo	09																									
AUS, QD	254.0	OK	Oakey	13																									
AUS, QD	257.0	RK	Rockhampton	09																									
AUS, SA	248.0	WR	Woomera	02																									
AUS, WE	240.0	ABA	Albany	12																									
AUS, WE	251.0	MEK	Meekatharra	12																									
CAN, AB	241.0	YLL	Lloydminster				08					05	12	06	10														
CAN, AB	248.0	QL	Lethbridge		05	04	07					04	12	12	11								06				11	10	07
CAN, AB	254.0	SM	Fort Smith				09					05	12	08	11												11		07
CAN, AB	254.0	ZYC	Calgary			10	09					05	12	08	11												11		
CAN, AB	256.0	EB	Namao' Edmonton				08						12																
CAN, BC	242.0	XC	Cranbrook		05	06	04					04	06	12	11							06			09		11	10	06





EQA	Ecuador																								1		
GAL	Galapagos																								1		
HWA	Hawaii, HI							1																			
INS	Indonesia								3																		
USA	USA, AL									1			1							2		1		1	2	3	
USA	USA, AZ				1					1	1										1						
USA	USA, DE													1								1		1			
USA	USA, FL				1	1				1		1		1	1				1	1	1	1	1		1	1	
USA	USA, GA									2			4	1	1				1	4	2	1	3	1	5	5	
USA	USA, IA					2				3	3		3			1			3	1	3	1		1	3		
USA	USA, IL									3		2	4			1			4	1	1	2			3	4	
USA	USA, IN											2							1						1	1	
USA	USA, KS									1		1	1					1	1			1			1	1	
USA	USA, KY											1							1							1	
USA	USA, LA													1													
USA	USA, ME					1																1					
USA	USA, MI									1			2			1	1					1				1	
USA	USA, MN			1	2					3		4	4						3		3	2			2	4	
USA	USA, MO									1			1						1							1	
USA	USA, MS									2		2	2					2	2	1	1				2	2	
USA	USA, NC						1			2		1	2	2		2	1		2	3	1	3	1	1	1	2	
USA	USA, NE									2	1	2	2						2		2				2	2	
USA	USA, NJ														1							1	1	1			
USA	USA, NM									1		1													1		
USA	USA, NY														1							2					
USA	USA, OH				1	1				2		1	4	2	2	3	2		4	3	1		3	1	2	3	
USA	USA, OK									1		1	1						1		1				1	1	
USA	USA, SC									1		1	3	2	2	1		1	2	4	1	4			2	4	
USA	USA, SD				1					1	1	1	1	1		1			1		1	1			1	1	
USA	USA, TN									1		1	1						1		1	1			1	1	
USA	USA, TX				3					7	3	6	3					5		4		3			8	8	1
USA	USA, VA											1	1	1	1							1					
USA	USA, WA			1	2																					2	
USA	USA, WY			1	1					1	1	1									1				1	1	
XOE	Int Waters: Europe																						1				
XON	Int Waters: N.America																										
XUA	UNID (Asia?)								1																		
Cou	Cou-Name	AUS SA rw	CAN BC bt	CAN BC co	CAN BC sm	CAN NS vm	CAN QC ky	HWA mx	THA g6	USA AZ sr	USA CA c9	USA CO ac	USA IL dt	USA MD d4	USA MD ri	USA MI ct	USA MI jb	USA MI l9	USA MO dp	USA NC ws	USA NE dn	USA NH jc	USA NJ ge	USA NJ rs	USA TX ch	USA TX du	USA WA so

**LISTENING TIMES:**

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

UTC (hh)	AUS SA rw	CAN BC bt	CAN BC co	CAN BC sm	CAN NS vm	CAN QC ky	HWA mx	THA g6	USA AZ sr	USA CA c9	USA CO ac	USA IL dt	USA MD d4	USA MD ri	USA MI ct	USA MI jb	USA MI l9	USA MO dp	USA NC ws	USA NE dn	USA NH jc	USA NJ ge	USA NJ rs	USA TX ch	USA TX du	USA WA so	
00:00 - 00:59					5							9		8			5		5		2	2	3				
01:00 - 01:59									4			4		3						1	1	3					
02:00 - 02:59	1					5			5						4	7	3										
03:00 - 03:59			2			2			11		18				4		3		1		7		2	2	8	8	
04:00 - 04:59		1	3	10	1	1			13				24		4		3				1		5		7	20	1
05:00 - 05:59		4		1	1				17		1						10		7		1				5	10	
06:00 - 06:59			3	6	3				7	5	3						4		29		4		1	2	3	8	
07:00 - 07:59				6	2				1		2							5		6				2		6	
08:00 - 08:59			1	4			3				4				1		2			3	8						
09:00 - 09:59	3		1	6							1				8		1			1			1	2	7		
10:00 - 10:59			2	1	1							13			1				5						24	7	
11:00 - 11:59				1							3	8					2								16	3	
12:00 - 12:59	2						1			13	15						1										
13:00 - 13:59	1			1			1					1			2												
14:00 - 14:59																											
15:00 - 15:59								3																			
16:00 - 16:59								1														1					
17:00 - 17:59								1				31					2	3								2	
18:00 - 18:59		1			5							1					6	11			6						

19:00 - 19:59																												
20:00 - 20:59															4		5											9
21:00 - 21:59									1																			
22:00 - 22:59																												
23:00 - 23:59															3													
UTC (hh)	AUS SA rw	CAN BC bt	CAN BC co	CAN BC sm	CAN NS vm	CAN QC ky	HWA mx	THA g6	USA AZ sr	USA CA c9	USA CO ac	USA IL dt	USA MD d4	USA MD ri	USA MI ct	USA MI jb	USA MI l9	USA MO dp	USA NC ws	USA NE dn	USA NH jc	USA NJ ge	USA NJ rs	USA TX ch	USA TX du	USA WA so		
NDBs	7	7	12	36	19	8	5	6	58	18	47	67	24	18	25	11	39	56	20	37	48	12	12	57	74	15		

**NDB COUNTS, BY FREQUENCY:**

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

NDBs	QRG	AUS SA rw	CAN BC bt	CAN BC co	CAN BC sm	CAN NS vm	CAN QC ky	HWA mx	THA g6	USA AZ sr	USA CA c9	USA CO ac	USA IL dt	USA MD d4	USA MD ri	USA MI ct	USA MI jb	USA MI l9	USA MO dp	USA NC ws	USA NE dn	USA NH jc	USA NJ ge	USA NJ rs	USA TX ch	USA TX du	USA WA so	NDBs	
6	240.0	1		1	1	1			1	1		2	2	1		1	1	1	1	1	1			1	1	2	1	6	
2	241.0				1	1	1			2	1	2	1	1		1	1	1	1	1	1			1	1	2		2	
8	242.0	1	2	2	2			2	1	3	2	1	4						4	1		4			3	5	2	8	
1	243.0					1	1			1			1		1	1	1	1	1	1		1	1	1	1		1	1	
3	244.0				1	2	1			1		1	2	1	1	2	1	2	2		1	2	1	1	1	2	1	3	
14	245.0				5	2	1			4	2	4	8	4	3	2	1	5	7	3	3	6	1	2	7	8		14	
2	246.0				1																						1	2	
2	247.0					1				1		1	1	2		1	1	1	1	1	1					1	2		
12	248.0	1	2	3	5	2	1	2		7	4	5	7	3	3	4	1	5	6	3	5	4	2	3	5	8	4	12	
5	250.0				1	2				1		2	3	3	1	2	1	3	2	1	1	2	2		2	4	5		
9	251.0	2	1	1	3			1		4	2	5	4					2	4		2	2			5	5	2	9	
2	252.0					1														1		1				1		2	
3	253.0				2					3		2	2	1		1	2	3	3	2	2	2			3	3	3	3	
10	254.0	1	1	1	3	2	1			4	2	2	7	3	3	1	1	1	3	2	1	3	2	3	4	3	1	10	
4	255.0								2	2		1	1					1		1					2	2		4	
4	256.0				2						1													1	2		1	4	
16	257.0	1	1	3	4	3	1			11	2	10	10	2	2	5	3	5	7	3	9	8	2		7	11	2	16	
1	258.0				1					1		1	1	1		1	1	1	1	1	1	1			1	1	1	1	
4	420.0			1	1					3		3	4		1			3	3	1	2	3			4	4	4	4	
1	421.0				1					1	1	1	1					1	1	1	1	1			1	1	1	1	
1	422.0									1	1	1	1					1	1		1				1	1	1	1	
1	423.0					1				1			1			1	1	1	1							1	1	1	
1	424.0																								1		1	1	
5	426.0				1					4		3	4	2	1	1		2	4	3	4	2			3	4	5	5	
2	428.0				1					1		1	1			1		1	1	1	1	1			2	2	2	2	
1	432.0						1			1		1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	
1	438.0								1																			1	1
NDBs	QRG	AUS SA rw	CAN BC bt	CAN BC co	CAN BC sm	CAN NS vm	CAN QC ky	HWA mx	THA g6	USA AZ sr	USA CA c9	USA CO ac	USA IL dt	USA MD d4	USA MD ri	USA MI ct	USA MI jb	USA MI l9	USA MO dp	USA NC ws	USA NE dn	USA NH jc	USA NJ ge	USA NJ rs	USA TX ch	USA TX du	USA WA so	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	SP	ITU	Rptr	UTC
424.0	RVJ	Prison' Reidsville	GA	USA	ch	1009
256.0	YCY	Clyde River	NU	CAN	ch	1120
247.0	VED	Leesville	LA	USA	d4	0416
254.0	HLB	Batesville	IN	USA	dt	1741
254.0	MB	Manistee	MI	USA	dt	1741
245.0	MG	Marra' Montgomery	AL	USA	du	1028
251.0	DB	Creke' Dublin	GA	USA	du	0303
240.0	MJL	Mejillones (Antofagasta)		CHL	du	0515
246.0	IBL	Isabela		GAL	du	0606
250.0	STR	Santa Rosa		EQA	du	0615



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 aerals, 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 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.

CLE230\_Results\_RoW.xls  
je - 29.03.2018