NDB LIST CLE No. 190 **190-239.9 kHz + NDBs on half freqs (nnn.5 kHz) 23 - 26 Jan. 2015, midday-midday local time**

COMBINED RESULTS
REST OF THE WORLD

For overall statistics, please see the covering email.

Reporters:

AUS	TA	rw	Bob Warren, Moonah
CAN	BC	sm	Steve McDonald, Mayne Island
CAN	BC	to	Tom Mitchell, Comox, Vancouver Island
CAN	ON	ku	Marc Kulbacki, Windsor
CAN	ON	tw	Tony Ward, Whitby, Nr Toronto
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	jy	Jay Heyl, Aurora
USA	MI	wl	Bill Cromwell, Houghton Lake
USA	MO	dp	Dick Palmer, Foristell
USA	MT	sf	Steve Flood, Turah
USA	NH	jc	John Collins, Charlestown
USA	OR	sr	Steve Ratzlaff, La Grande, NE Oregon
USA	TN	ba	Brandon Jordan, Fayette County
USA	TN	g4	George Muha, while at Waverly
USA	TX	ch	Chuck Dobbins, Alpine
USA	TX	du	Douglas Springfield, New Chapel Hill, NE Texas
USA	UT	mu	Mark Moulding, Ogden, Northern UT
USA	VA	mb	Mike Trowbridge, Catlett
USA	WA	rt	Tom Rothlisberger, Brier
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 '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. 11 indicates logged between 11:00-11:59 UTC)
Any Offshore NDBs and UNIDs appear at the end of the list.

Cou	St	kHz	Call	Location	AUS TA rw	CAN BC sm	CAN BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
AIA	-	209	ANG	Wallblake, Anguilla Is.												7														
ALS	-	209	CYT	Yakataga		4																4							9	
ALS	-	212	CGL	Coghlan Is.		4																4							7	
ALS	-	223	AFE	Kake		4																4							9	
ALS	-	227	MHM	Minchumina		12																								
ALS	-	229	AKW	Klawock		4																5							9	
ALS	-	233	ALJ	Hinchinbrook Is.		4	8							5	10							3					11		19	11
AUS	NW	200	CBB	Coonabarabran	11																									
AUS	NW	206	BIK	Bindook	10																									
AUS	NW	206	CNM	Coonamble	11																									
AUS	NW	209	SCO	Scone	10																									
AUS	NW	215	HAY	Hay	11																									
AUS	NW	215	MRY	Moruya	16																									
AUS	NW	215	NRM	Narromine	10																									
AUS	NW	224	WMD	West Maitland	10																									
AUS	NW	236	AY	Albury	10																									
AUS	NW	239	WOL	Wollongong	10																									
AUS	QD	218	CMU	Cunnamulla	10																									
AUS	QD	221	TAM	Taroom	11																									
AUS	SA	200	MPA	Minnipa Black Field	11																									
AUS	SA	200	REN	Renmark	16																									
AUS	TA	230	NIE	Nile	1																									
AUS	VI	203	HML	Hamilton	16																									
AUS	VI	209	WKB	Warracknabeal	11																									
AUS	VI	212	BNS	Bairnsdale	1																									
AUS	VI	218	PLE	Plenty Melbourne	1																									
AUS	VI	227	LVG	Mount Livingstone	10																									
AUS	VI	239	BLT	Ballarat	17																									
CAN	AB	207	PY	Fort Chipewyan		4								4	10					4		1			2				7	10
CAN	AB	215	ZAB	Edmonton		4								4	13				13	4		0			12		4		7	7
CAN	AB	221	QU	Grand Prairie		4	8		12					5	10				4	4		1			12		4		19	6
CAN	AB	224	N5	Rocky Mt Hse Rocky Two																5		8								
CAN	AB	225	X5	Vegreville		4			12					6	4					4		1			12				8	
CAN	AB	227	9X	Brooks											4					4		1			13				8	
CAN	AB	230	VG	Vermillion		7	8						6	5	10				12	5		1			3	12	4		8	6
CAN	AB	234	3Y	Donnelly																11									8	
CAN	AB	239	OJ	High Level		4	8		12			11	6	3	10				4	5		3			3	5	4		8	6
CAN	BC	200	5M	Sparwood Elk Valley																3		3			12				9	
CAN	BC	200	UAB	Anahim Lake		7	5		11			11	5	4	1				7			1			12	5	4		9	8
CAN	BC	200	YDL	Dease Lake		4	7													4		3			12				9	10
CAN	BC	200	YJ	Victoria Sidney Is		6	7							2						3		1			12		4		19	3
CAN	BC	203	YBL	Campbell River		6	7							4	4					3						5	4		19	
CAN	BC	203	ZKI	Kitimat		6	7							2	5					3		1			12		6		7	4
CAN	BC	206	EF	Castlegar Champion		4	7							4	13					4		0			12		4		7	4

CAN	BC	214	LU	Abbotsford		4	7		11			7		2	10				3	4		0			12	5	1		19	3
CAN	BC	218	PR	Prince Rupert Digby Is.		4	7				6		7	3						4		0					11		19	6
CAN	BC	223	YKA	Kamloops		4	7					7	8	3	10				13	4		1				8	1		19	3
CAN	BC	227	CG	Castlegar		4	7		11			7	6	3	10				4	4		1			12	5	4		19	3
CAN	BC	230	YD	Smithers		6	8							3	10					5		2			12		4		19	13
CAN	BC	236	YZA	Ashcroft		4	8					7	7	3	10				12	5		1			13	5	1		19	6
CAN	MB	201	ZWN	Winnipeg		4									2				8	3		7			3	11			9	
CAN	MB	207	YNE	Norway House		4			12					4	10		4		22	4		1	3		3	1	3		7	
CAN	MB	212	YGX	Gillam		4			2					4	10		5		9	4		2			3	11			9	
CAN	MB	215	ZWW	Winnipeg Boine.					2						2				0	4		2			3	11				
CAN	MB	224	DN	Dauphin		4			3					3	10				9	4		1	11		3	2			8	
CAN	MB	233	BR	Brandon		4			4					3	10		3		1	5		1			3	5	5		8	
CAN	MB	236	ZHT	Winnipeg					12						1				4	4		4			3	12				
CAN	NB	207	CL	Charlo					22	7							6		4		3					2		5		
CAN	NB	212	SJ	Saint John					23	5						7			1		17					5		5		
CAN	NB	224	QM	Moncton				5		7											17							5		
CAN	NL	233	UM	Churchill Falls					4	4											17					7		6		
CAN	NS	206	QI	Yarmouth				10	23	5					9	7	4		22		17		7			2		20		
CAN	NS	229	PD	Port Hawkesbury					4												4									
CAN	NS	230	AC	Pleasant Lake Yarmouth					23							8					17					7				
CAN	NT	222	WY	Wrigley		4								5						4		2			12				8	
CAN	NU	204	YFY	Iqaluit Frobisher Bay.					12										7											
CAN	NU	208	YSK	Sanikiluaq				5	19					4	10		5		22		3	3	3		2	5				
CAN	NU	214	YIO	Pond Inlet					11										7											
CAN	NU	224	BK	Baker Lake											3															
CAN	NU	237	YJI	Qikiqtarjuaq					12												23									
CAN	ON	200	YAQ	Kasabonika					11						10		4		9	4	12							4		
CAN	ON	201	YKX	Kirkland Lake					19								5		22		0					1				
CAN	ON	201	YVZ	Deer Lake		5			11										0	10										
CAN	ON	201	ZXU	London				17	19										12		0					5				
CAN	ON	205	XZ	Wawa		11		6	19					4	0		2	3	9	4	3	7	3		3	5		5	9	
CAN	ON	206	XBE	Bearskin Lake					2						10		4		9			3			2	11				
CAN	ON	207	FD	Brantford				17	19						9				3		3					2				
CAN	ON	209	IB	Atikokan		4		11	12				6		10		21		22	4		2	3		2	1			7	
CAN	ON	215	YTR	Trenton					2	5											4									
CAN	ON	216	YFA	Fort Albany					19				8		10		3	3	22		10	4	4			3				
CAN	ON	218	RL	Red Lake		11		8	2			7	4	5	10		22	3	22	4		2	8		2	2	4			10
CAN	ON	219	YMG	Manitouwadge				5	19					6	10		3	3	22				3		3	5		5		
CAN	ON	221	HM	Hamilton				17	20	6					3				3		0					2				
CAN	ON	223	YYW	Armstrong				8	20					5	23	10	22	3	22	4	4		1		2	2		5		
CAN	ON	224	MO	Moosonee		11		10	20					6	10		22	3	22	4	17	2	1		12	12		2	8	
CAN	ON	227	YAC	Cat Lake		4			3						1		3		10		4	8				5				
CAN	ON	230	ZUC	Ignace					12						2		3		12							6				
CAN	ON	233	QN	Nakina		7		8	4						10		3	3	22	5		3	3		2	5			8	
CAN	ON	235	CN	Cochrane		4		6						5	1		8		1	5	4	8				2		6		
CAN	ON	236	4L	Chatham				8	20								8				23									
CAN	ON	236	OW	Ottawa Ramsayville				6	20	2					9	8	8		1		17					12		6		
CAN	ON	236	ZRJ	Round Lake		4			4					5	10		3		22			8			3	5				

CAN	QC	201	GL	La Grande Riviere					11	6					7		4		9	12											
CAN	QC	201	RI	Riviere Du Loup						5											17					7		4			
CAN	QC	205	YRQ	Trois Rivieres					23	2									8		17							5			
CAN	QC	209	MT	Chibougamau				10	23	4							7		7		17					3		5			
CAN	QC	211	K7	Ste Anne des Monts					2																						
CAN	QC	213	YRC	Chicoutimi St Honore					2	3											4							5			
CAN	QC	214	K8	Nemiscau					2	6									7		4										
CAN	QC	216	ME	Matane					2	6							5		0							5		5			
CAN	QC	218	YUY	Rouyn Noranda				11	19	7									3		17					2		5			
CAN	QC	219	W7	Du Rocher Perce Pabok.																	4										
CAN	QC	220	BX	Blanc Sablon					3	3					9				0		17					5		5			
CAN	QC	221	YAS	Kangirsuk					3						7						3										
CAN	QC	225	YIK	Ivujivik					12						4				4												
CAN	QC	230	QB	Quebec				6	20	2						10	8		0		17				2	5		5			
CAN	QC	230	YBM	St Bruno de Guigues				8	20						4		8		0			8				5					
CAN	QC	232	GP	Gaspe				6	23	4				5	2		0		4		17					6					
CAN	QC	235	9H	La Grande 3				10	4	4					3		3		1		4					12		6			
CAN	QC	239	5Q	Fontanges					23	6											4							6			
CAN	SK	204	ZQR	Regina		4			12					4					4	3		3			12	11			7		
CAN	SK	219	ZRS	Regina		4								4	10				8	4		0			2				7	10	
CAN	SK	238	K5	Maple Creek											0					11											
CUB	-	230	ULC	Cayo Largo del Sur												8										7					
EQA	-	215	ESM	Esmeraldas																						8					
MEX	-	214	CHX	Choix								6	7	5	10							6				3	5				
NZL	-	238	KT	Kaitaia.	10																										
TCA	-	232	GT	Cockburn Town Grand Turk Is.					5							8					4					2					
USA	AL	204	ESU	Summerdale Foley											10	9			0				0		2	1					
USA	AL	211	AN	Anniston											4				3				23		3	5					
USA	AL	212	OZ	Fort Rucker															3							3					
USA	AL	221	HYE	Fort Rucker															2							3					
USA	AL	224	BH	Birmingham					3			7			10	7			22		10	6	18	1	2	1		2			
USA	AR	223	FS	Fort Smith											1				2						3	1					
USA	AR	226	REN	Warren					12						1								0			18					
USA	AR	227	TNZ	Walnut Ridge					12						10				22			6	18		2	5					
USA	AR	234	TX	Texarkana											10				2				1			18					
USA	AZ	201	IP	Mobile Lufthansa		12						19	20	2	10					3		3			2	5	4		9		
USA	AZ	206	SOW	Show Low		4						19	6	2	10					11		1			2	12	4		9		
USA	AZ	220	RBJ	Tucson								19	7	6	4							3			2	7					
USA	CA	203	TCY	Tracy		6							6	2	7					3		3			12				9		
USA	CA	205	COR	Sayler Farms Corcoran		4						10	20	2	10					4		1					4		9		
USA	CA	209	HGT	Tusi AHP Ft Hunter Liggett		14							7	2	7					10		3			12						
USA	CA	233	LG	Long Beach		14						10	20	3	7					13		4					6				
USA	CO	209	ITR	Burlington		7						7	4	4	10				9	4		3			2	1	6				
USA	FL	221	FX	Fort Lauderdale												9										3					
USA	FL	221	OR	Orlando												10															
USA	FL	227	TN	Miami												8															
USA	GA	205	LNH	Millen												9			0				0			5		5			
USA	GA	209	HOE	Homerville											4	9			7				0		3	5					

USA	GA	219	AY	Waycross					4						2	10			0		10		0			3		2		
USA	GA	221	BJT	Athens											2	10			0				1		3	1		2		
USA	GA	227	AB	Albany												8										1		2		
USA	GA	233	AG	Augusta												8			2									1		
USA	GA	234	EQQ	Newnan												8					23		0			2				
USA	IA	206	IIB	Independence					12						3		22		21							5				
USA	IA	212	MPZ	Mount Pleasant		4			4					5	5		21		21		10	9			2			5		
USA	ID	211	HDG	Gooding Steelhead		4							5	2	10					4		0			12	12	1		9	
USA	ID	220	HLE	Hailey		7						6	5	3	10				12	4		0			12	7	1		9	10
USA	ID	238	MPA	Nampa		4								3	4					5		1				8	6		9	11
USA	IL	218	AL	Alton											3				22							3				
USA	IN	219	EVV	Evansville											10				22				1			5				
USA	IN	227	GW	Auburn				17	12						4		21		22		9					2				
USA	IN	232	CO	Indianapolis											4		19		22		3		1		12	6				
USA	IN	347.5	ANQ	Angola ##					14						5		7		22		23				2	7				
USA	KS	212	CFV	Coffeyville		7			12						10				21	4		4	2		2	18	6			
USA	KS	230	NRN	Norton		11						7		6	10				0	11		8			2	1	6			
USA	KY	210	IOB	Mount Sterling											5				7							3				
USA	KY	236	BW	Bowling Green											3				18						2					
USA	LA	212	HP	Hammond																						3				
USA	LA	230	BNZ	Abbeville											2				2				2		2	18				
USA	MA	205	ORE	Orange					4												17							4		
USA	MA	220	IHM	Mansfield																	17									
USA	MA	227	TAN	Taunton					4												17									
USA	MI	206	AP	Alpena					2																					
USA	MI	212	JX	Jackson				17	2						4		21				10									
USA	MI	223	JZJ	Detroit				17	21										22		10									
USA	MI	381.5	SJX	Beaver Is.		4			4						9		8		22		1	9			2	7				
USA	MO	227	FZ	St Louis											10		6		22		3	8	4		12	5				
USA	MO	233	AZN	St Joseph		12									10				22			5			2	5				
USA	MS	221	HS	Bay Saint Louis																						8				
USA	MT	236	FOR	Forsyth		4			4			10		3	10				4	5		1			3	6	5		9	13
USA	NC	198	DIW	Dixon		4	5	11	23	6		6	9	4	10	9	4	3	21	10	17	2	10	2	2	0	3	20	9	
USA	NC	204	TWL	Monroe																	11					7				
USA	NC	205	GM	Wilmington												6										6		5		
USA	NC	216	CLB	Wilmington Carolina Beach		4		5	23	3		6	5	3	10	10	3	3	22	4	17	2	1	1	2	1	4	19	9	
USA	NC	220	HUR	Person					4										2		10					3		2		
USA	NC	227	CPC	Whiteville												8			2		9					1		1		
USA	NC	230	AQE	Greenville					4							8			2		4					2		1		
USA	ND	230	BI	Bismarck		7									10				2	11		2							9	
USA	ND	233	BWP	Wahpeton		4			12						10		8		10	11		2			2	1			9	
USA	NE	233	OKS	Oshkosh		7									10				10	5		4			2	8	4			
USA	NH	209	MJ	Manchester																	17									
USA	NH	216	CO	Concord					4												17									
USA	NY	204	GB	Buffalo					19																					
USA	NY	209	GF	Glens Falls					23												17									
USA	NY	220	FZ	Syracuse					19												17									
USA	NY	231	BU	Buffalo					20	10											10									

Cou	St	kHz	Call	Location	AUS TA rw	CAN BC sm	CAN BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
USA	OH	219	TO	Toledo					4																					
USA	OH	223	MW	Middleton					12						4				22							7				
USA	OH	230	BU	Columbus																	10									
USA	OH	239	HKF	Middletown				17	4						10	10	19		22	4	4	5	1		12	6		2		
USA	OK	201	BV	Bartlesville											10				21						2	18				
USA	OK	215	TQH	Tahlequah		11			12			6		5	10				22	11		7	4		2	18				
USA	OR	225	LWG	Corvallis Lewisburg		4								5						4		1					6		9	
USA	PA	204	MD	Harrisburg					4												3							20		
USA	PA	209	SYS	Somerset					23						3				0		1		9			7		5		
USA	PA	219	CX	Harrisburg					15												23							19		
USA	SC	220	DCM	Chester					4							7			2							1		2		
USA	SC	230	BES	Bennettsville												8												1		
USA	SC	239	GIW	Greenwood					4						2				3				0		2	2		2		
USA	SD	203	AB	Aberdeen											4				7	13		6								
USA	SD	215	AT	Watertown											10				3	13		6				3				
USA	TN	203	DMZ	Dickson					11						10		5		21		23	6	23	18	3	1		4		
USA	TN	212	UC	Obion Union City											10				21				18	1	12	5				
USA	TN	217	HZD	Huntingdon Carroll Co.											2	7							18	18	2	1				
USA	TN	221	BO	Bristol															2									2		
USA	TN	232	MIG	Millington																			19			2				
USA	TN	233	HEM	Sparta					12						2	8	8		1			4	0			6		6		
USA	TX	201	GV	Greenville		7			11			6		4	10	9	6		9	4		7	11		2	18		4		
USA	TX	212	LIU	Littlefield											21					6		6				3				
USA	TX	230	VRT	Vernon											7										3	1				
USA	TX	233	VHN	Van Horn								6			11										18	1				
USA	TX	239	PWY	Hebronville											10					4		6			3	2				
USA	UT	217	EC	Cedar City Meggi.		4						7	6	3	10					4		7			2		4		9	
USA	VA	223	DAA	Fort Belvoir																	3							19		
USA	VA	226	FAF	Fort Eustis																	10							19		
USA	VA	236	VJ	Abingdon					4						3	8			2		11				2	2				
USA	VA	237	EZF	Fredericksburg					4										8		11					8		19		
USA	VT	221	DYO	Rutland					23												17									
USA	WA	216	GRF	Fort Lewis Gray AAF.		4								4						4		0			12				19	3
USA	WI	221	ARV	Minocqua-Woodruff. Lakeland					4						3				2							7				
USA	WI	221	RP	Rice Lake					12						3				9							5				
USA	WI	224	II	Sturgeon Bay															9											
USA	WI	230	AT	Appleton													8													
USA	WI	236	DO	Minocqua					4																					

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 rw	CAN BC sm	CAN BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
AIA	Anguilla	-												1														
ALS	Alaska (US State)	-		6	1							1	1							5					1		5	1
AUS	Australia	NW	10																									
AUS	Australia	QD	2																									
AUS	Australia	SA	2																									
AUS	Australia	TA	1																									
AUS	Australia	VI	6																									
CAN	Canada	AB		6	3		3			1	2	6	7				4	9		8			7	2	4		8	5
CAN	Canada	BC		12	12		3		1	5	5	11	9				5	12		12			10	6	11		13	11
CAN	Canada	MB		5			6					4	7		3		7	7		7	2		7	7	2		5	
CAN	Canada	NB				1	2	3						1	1		2		3					2		3		
CAN	Canada	NL					1	1											1					1		1		
CAN	Canada	NS				1	3	1					1	2	1		1		3		1			2		1		
CAN	Canada	NT		1								1						1		1			1				1	
CAN	Canada	NU				1	4					1	2		1		3		2	1	1		1	1				
CAN	Canada	ON		9		13	21	3		1	3	7	17	2	17	7	20	9	14	10	8		9	18	1	7	4	1
CAN	Canada	QC				6	16	13				1	7	1	7		12	1	13	1			1	9		10		
CAN	Canada	SK		2			1					2	2				2	3		2			2	1			2	1
CUB	Cuba	-												1										1				
EQA	Ecuador	-																						1				
MEX	Mexico	-								1	1	1	1							1				1	1			
NZL	New Zealand	-	1																									
TCA	Turks & Caicos Is.	-					1							1					1					1				
USA	USA	AL					1			1			3	2			5		1	1	3	1	3	5		1		
USA	USA	AR					2						4				3			1	3		2	4				
USA	USA	AZ		2						3	3	3	3					2		3			3	3	2		2	
USA	USA	CA		4						2	4	4	4					4		4			2		2		2	
USA	USA	CO		1						1	1	1	1				1	1		1			1	1	1			
USA	USA	FL												3										1				
USA	USA	GA					1						3	7			5		2		5		2	6		5		
USA	USA	IA		1			2					1	2		2		2		1	1			1	1		1		
USA	USA	ID		3						1	2	3	3				1	3		3			2	3	3		3	2
USA	USA	IL											1				1							1				
USA	USA	IN				1	2						4		3		4		3		2		2	4				
USA	USA	KS		2			1			1		1	2				2	2		2	1		2	2	2			
USA	USA	KY											2				2						1	1				
USA	USA	LA											1				1				1		1	2				
USA	USA	MA					2												3							1		
USA	USA	MI		1		2	4						2		2		2		3	1			1	1				
USA	USA	MO		1									2		1		2		1	2	1		2	2				
USA	USA	MS																						1				
USA	USA	MT		1			1			1		1	1				1	1		1			1	1	1		1	1
USA	USA	NC		2	1	2	4	2		2	2	2	2	5	2	2	5	2	6	2	2	2	2	7	2	6	2	
USA	USA	ND		2			1						2		1		2	2		2			1	1			2	
USA	USA	NE		1									1				1	1		1			1	1	1			
USA	USA	NH					1												2									

Cou	Country	St	AUS TA rw	CAN BC sm	CAN BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
USA	USA	NY					4	1											3									
USA	USA	OH				1	3						2	1	1		2	1	2	1	1		1	2		1		
USA	USA	OK		1			1			1		1	2				2	1		1	1		2	2				
USA	USA	OR		1								1						1		1					1		1	
USA	USA	PA					3						1				1		3		1			1		3		
USA	USA	SC					2						1	2			2				1		1	2		3		
USA	USA	SD											2				2	2		2				1				
USA	USA	TN					2						4	2	2		4		1	2	5	3	3	5		3		
USA	USA	TX		1			1			2		1	5	1	1		1	3		3	1		4	5		1		
USA	USA	UT		1						1	1	1	1					1		1			1		1		1	
USA	USA	VA					2						1	1			2		4				1	2		3		
USA	USA	VT					1												1									
USA	USA	WA		1								1						1		1			1				1	1
USA	USA	WI					3						2		1		3							2				

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 BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
00:00 - 00:59											2		1		12		3	8	8			1				
01:00 - 01:59	3										6				6		2	19	8	3		18	5	4		
02:00 - 02:59					11	3				9	10		1		13			11	2	1	35	17		10		
03:00 - 03:59					5	3				14	10		9	9	8	8	9	13	6		20	13	2			5
04:00 - 04:59		42			24	4			2	15	14		6		9	36	13	9	3				17	5		2
05:00 - 05:59		1	2	4	1	4			4	13	4		5			11		3				30	3	17		
06:00 - 06:59		5		5		6	1	7	7	5		1	3			1		8				7	7	6		5
07:00 - 07:59		9	9			3		9	5		6	6	2		8			5	1			12			9	1
08:00 - 08:59			6	5					2			13	9		4			7	1			6			10	1
09:00 - 09:59									1		5	6			10		2	2	1						23	
10:00 - 10:59	9			4		1		3			56	7			3	3	10		1							5
11:00 - 11:59	6	5		3	9			2			1					7	3		2			5	2			2
12:00 - 12:59		3			21										5	1	1				24	7				
13:00 - 13:59											2				2	3					2					2
14:00 - 14:59		2			1																					
15:00 - 15:59					1																					
16:00 - 16:59	3																									
17:00 - 17:59	1			7													24									
18:00 - 18:59															1				4	2	1	7				

UTC (hh)	AUS TA rw	CAN BC sm	CAN BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
19:00 - 19:59					10			3					2						1					5	11	
20:00 - 20:59					8				3															3		
21:00 - 21:59					1						1		4		7											
22:00 - 22:59					1								4		27											
23:00 - 23:59					12						1						6		2							
Totals:	22	67	17	28	105	24	1	24	24	56	118	33	46	9	115	70	73	85	40	6	82	123	36	50	53	23

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 BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
1	198		1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
8	200	3	3	3		2			1	1	2	2		1		2	4	1	4			4	1	2	1	4	3
9	201		4		1	5	2		2	1	2	5	1	3		7	5	3	3	1		4	7	1	2	2	
6	203	1	3	2		1				1	3	5		1		2	4	1	4	1	1	3	2	2	1	3	1
6	204		1			4					1	1	1			3	1	2	1	1		2	3		1	1	
6	205		2		1	3	1		1	1	2	2	2	1	1	3	2	3	2	2		1	3	1	5	2	
8	206	2	2	1	1	4	1		1	1	2	5	1	3		3	2	1	3	1		3	4	2	1	2	1
4	207		2		1	3	1				2	3		2		3	2	2	2	1		2	3	1	1	2	1
1	208				1	1					1	1		1		1		1	1	1		1	1				
12	209	2	4		2	4	1		1	3	2	5	2	2		5	3	4	4	3		4	5	1	2	2	
1	210											1				1							1				
3	211		1			1				1	1	2				1	1		1	1		2	2	1		1	
11	212	1	4		1	5	1				2	6	1	3		6	3	3	5	2	1	4	7	1	2	2	
1	213					1	1											1							1		
4	214		1	1		3	1		2	1	2	2				3	1	1	2			1	2	2		1	1
9	215	3	2			3	1		1		2	4				4	4	1	4	1		3	4	1		1	1
5	216		2		1	4	2		1	2	2	2	1	3	2	3	2	3	3	2	1	2	3	1	2	2	1
2	217		1						1	1	1	2	1				1		1	1	1	2	1	1		1	
6	218	2	2	1	2	2	1	1	1	2	2	2		1	1	3	2	1	2	1		1	3	2	1	1	2
7	219		1		1	4					2	4	1	1	1	4	1	3	1	3		2	3		3	1	1
7	220		1			4	1		2	2	2	3	1			4	1	4	2			2	5	1	3	1	1
13	221	1	1	1	1	6	1				1	6	3			7	1	3	1	1		2	7	1	2	1	1
1	222		1								1						1		1			1				1	
7	223		2	1	2	3			1	1	2	4	1	1	1	5	2	3	2	1		2	4	1	2	2	1
8	224	1	2		2	3	1		1		2	4	1	1	1	4	3	3	4	3	1	3	3		3	2	
3	225		2			2					2	2				1	2		2			1		1		2	
2	226					1						1						1		1			1		1		
12	227	1	3	1	1	5			1	1	1	6	3	3		6	2	5	5	2		4	7	1	2	2	1
2	229		1			1												1	1							1	
16	230	1	4	2	2	5	1		1	1	3	8	5	4		8	4	4	5	1		6	10	3	3	3	2
1	231					1	1											1									

NDBs	kHz	AUS TA rw	CAN BC sm	CAN BC to	CAN ON ku	CAN ON tw	CAN QC gp	HWA mx	USA AZ bc	USA CA dn	USA CA pa	USA CO ac	USA FL cg	USA IL jy	USA MI wl	USA MO dp	USA MT sf	USA NH jc	USA OR sr	USA TN ba	USA TN g4	USA TX ch	USA TX du	USA UT mu	USA VA mb	USA WA rt	USA WA so
4	232				1	2	1				1	2	1	2		2		3		2		1	4				
11	233		7	1	1	5	1		2	1	3	9	2	4	1	7	5	1	8	2		6	8	4	3	4	1
3	234											1	1			1	1	1		2			2			1	
2	235		1		2	1	1				1	2		2		2	1	2	1				2		2		
10	236	1	3	1	2	7	1		2	1	3	7	2	3		7	3	3	4			6	6	2	1	2	2
2	237					2										1		2					1		1		
3	238	1	1								1	2					2		1				1	1		1	1
7	239	2	1	1	1	4	1		1	1	1	4	1	1		3	3	2	3	2		4	4	1	3	1	1
1	347.5					1						1		1		1		1				1	1				
1	381.5		1			1						1		1		1		1	1			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)
Bob's entries are better seen from the main 'Beacons Heard' list.

kHz	C/S	Location	St	ITU	**Rptr**	UTC
224	BK	Baker Lake	NU	CAN	**ac**	03:31
209	ANG	Wallblake, Anguilla Is.	-	AIA	**cg**	07:08
227	TN	Miami	FL	USA	**cg**	08:30
221	OR	Orlando	FL	USA	**cg**	10:12
224	II	Sturgeon Bay	WI	USA	**dp**	09:59
215	ESM	Esmeraldas	-	EQA	**du**	08:06
212	HP	Hammond	LA	USA	**du**	03:37
221	HS	Bay Saint Louis	MS	USA	**du**	08:59
220	IHM	Mansfield	MA	USA	**jc**	17:17
209	MJ	Manchester	NH	USA	**jc**	17:08
230	BU	Columbus	OH	USA	**jc**	10:05
219	W7	Du Rocher Perce Pabok.	QC	CAN	**jc**	04:10
230	AT	Appleton	WI	USA	**jy**	08:28
227	MHM	Minchumina	-	ALS	**sm**	12:00
206	AP	Alpena	MI	USA	**tw**	02:14
204	GB	Buffalo	NY	USA	**tw**	19:27
219	TO	Toledo	OH	USA	**tw**	04:32
211	K7	Ste Anne des Monts	QC	CAN	**tw**	02:25
236	DO	Minocqua	WI	USA	**tw**	04:34

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN:	CLE174	190-239.9 + nnn.5 kHz	27-30 Sep 2013
NOW:	CLE190	190-239.9 + nnn.5 kHz	23-26 Jan. 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
CAN BC to		829		14		17		4177
CAN ON tw		1170		123		105		3493
CAN QC gp		675		16		24		1370
USA AZ bc		1541		37		24		3096
USA FL cg		1012		33		33		2494
USA IL jy		1029		47		46		2020
USA MI wl		847		8		9		1278
USA MT sf		1318		92		70		3325
USA NH jc		930		68		73		2749
USA TN ba		933		37		40		2507
USA TX ch		2071		170		82		3915
USA VA mb		933		47		50		2130
USA WA so		878		20		23		2123
Averages:		1090		55		46		2667

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	1003	1067	12	23	12	22	2397	2397
CAN BC sm	1299	1592	78	107	60	67	4050	4050
CAN ON ku	922	803	33	22	36	28	2197	1618
HWA mx	4902	4319	44	4	9	1	7798	4319
USA CA dn	1682	1647	47	40	28	24	3630	3666
USA CA pa	1829	1956	84	110	46	56	3856	4625
USA CO ac	1512	1655	100	195	66	118	3861	3861
USA MO dp	1275	1312	102	151	80	115	3295	3831
USA OR sr	1386	1650	90	140	65	85	3615	3615
USA TN g4	379	395	3	2	7	6	949	949
USA TX du	1404	1704	91	210	65	123	3353	3846
USA UT mu	1321	1353	40	49	30	36	3178	3178
USA WA rt	929	1317	36	70	39	53	2257	3964
Averages:	1526	1598	58	86	42	56	3418	3378
% Increase:		5		48		35		-1

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 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	HOL rb
214	YIO	Pond Inlet, NU	CAN	03	03
220	BX	Blanc Sablon, QC	CAN	03	03