NDB LIST CLE No. 213 **240-259.9 kHz and 420-439.9 kHz 25-28 Nov. 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	NS	vm	Vernon Matheson, Truro
HWA		mx	Mike Tuggle, Kaneohe, Hawaii
TWN		hf	Hans Fong, Daxi, Taoyuan
USA	AZ	sr	Steve Ratzlaff, Near Sahuarita, SE Arizona
USA	CA	c9	Christoph Mayer, using remote Perseus at Stanford, CA
USA	CA	dn	Don Tomkinson, Upland
USA	CA	ir	Iden Rogers, Nr Grass Valley, 50 mi NNE of Sacramento
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	MN	gs	George Sherman, Apple Valley
USA	MO	dp	Dick Palmer, Foristell
USA	NE	ru	Rick Dau, Ralston, South Omaha
USA	NH	jc	John Collins, Charlestown
USA	NJ	ge	George Muha, Cream Ridge
USA	NJ	rs	Bill Riches, Cape May
USA	TX	du	Douglas Springfield, New Chapel Hill, NE Texas
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. 15 indicates logged between 15:00-15:59 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 NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so

ALS	-	245	HNS	Haines			15																					
ALS	-	248	GLA	Gulkana			06																					
ALS	-	251	OSE	Bethel			15		12			10																
AUS	NW	242	PKS	Parkes	10																							
AUS	NW	251	DU	Dubbo	10																							
AUS	QD	254	OK	Oakey	11																							
AUS	QD	257	RK	Rockhampton	10																							
AUS	SA	248	WR	Woomera	10																							
AUS	TA	242	LT	Launceston	09																							
AUS	WE	240	ABA	Albany	12																							
AUS	WE	251	MEK	Meekatharra	11																							
BRA	-	240	TIR	Tirios (PA)				04														02			05			
CAN	AB	248	QL	Lethbridge		04	08				00	09	07	03	03	01		19		12					09	11	02
CAN	AB	254	SM	Fort Smith		00	08				07	09			06										03	11	03
CAN	AB	254	ZYC	Calgary		06	08				05	09		05	06	04		11		08					09	08	06
CAN	AB	256	EB	Edmonton			14					09															
CAN	BC	242	XC	Cranbrook		03	03		07		02	09	06	03	03	01		11		12	03				01	06	02
CAN	BC	242	ZT	Port Hardy		03	03		07			09		06	02			12							09	18	08
CAN	BC	246	ZXJ	Fort Saint John		07	04																			08	
CAN	BC	248	ZZP	Sandspit Dead Tree.		21	08					12		06	03											06	
CAN	BC	250	2J	Grand Forks		07	08					09		04	07											06	03
CAN	BC	251	YCD	Nanaimo		03	08		07		01	09	07	03	03	01		11		06					06	18	02
CAN	BC	257	LW	Kelowna		03	14				01	09	07	04	03	03		12		12					09	18	
CAN	MB	244	TH	Thompson			06				06				08	06		01	08	08							
CAN	MB	248	WG	Winnipeg							00	09	01	07	04	19		18	21	18				00	23	04	03
CAN	MB	250	FO	Flin Flon			08				01	09	07		07	23		18	06	00					23	11	06
CAN	NL	247	YDP	Nain																			05				
CAN	NL	257	YR	Goose Bay				02														01					
CAN	NT	254	EV	Inuvik		03	04																				
CAN	NU	241	YGT	Igloolik			03	03										11				02			08		
CAN	NU	245	CB	Cambridge Bay		06	06																			07	07
CAN	NU	256	YCY	Clyde River														11									
CAN	NU	256	YXN	Whale Cove														11							09		
CAN	ON	241	HF	Hearst							05							00		11		02			03		
CAN	ON	245	YZE	Gore Bay Barrie Is			06	02			03	09	07	05	07	01	03	18	05	18		22	00	05	23		
CAN	ON	247	YLH	Landsdowne House			09	04			06	10	07			23		18	07	00		02			09		
CAN	ON	248	KZ	Toronto Buttonville				05										18		06		02			08		
CAN	ON	257	TZ	Toronto Is. Gibraltar Pt				07														02					
CAN	ON	257	YXR	Earlton				03			06					04		18	06	00		23	07		23		
CAN	ON	258	ZSJ	Sandy Lake			08				05	10		05	06	23		18	06	00					09		
CAN	PE	254	5B	Summerside				02			05							01		01		17	00	07	01		
CAN	QC	243	YVB	Bonaventure				02			05				07			01		03			00	05	02		
CAN	QC	244	DG	Chute de Passes				02			05				08	04		01		06	04	22	00	02	01		
CAN	QC	248	UL	Montreal				02			05					04	03	18	03	23		17	06	02	23		
CAN	QC	248	YLA	Aupaluk				03					06														
CAN	QC	250	UAC	Poste Montagnais				02										11				17	04		06		
CAN	SK	257	XE	Saskatoon		06	14				01	09	07	06	06	02		18	10	00					09	11	07

CAN	YT	248	QH	Watson Lake		06	08																			11	
CHL	-	240	MJL	Mejillones																01					05		
CHN	-	241	OS	Tongjingchang						14																	
CHN	-	244	BZ	Yunhe						15																	
CHN	-	247	FZ	Yantai Tunli						15																	
CHN	-	425	W	Nantong						15																	
CHN	-	426	WL	Baolong						13																	
CHN	-	432	GO	Jinan Yaoqiang						15																	
CLM	-	420	PTE	Portete P.Bolivar Uribia.				02														03					
CUB	-	250	UBP	Playa Baracoa							05							01							06		
GAL	-	246	IBL	Isabela.																					06		
HWA	-	242	HN	Honolulu Ewa Beach					22																		
JPN	-	257	CI	Chichijima					12																		
NZL	-	242	PP	Paraparaumu	10																						
NZL	-	254	AS	Ashburton	10																						
NZL	-	254	WI	Waiuku	10																						
RSE	-	437	OG	Okha Novostroyka								12															
TWN	-	250	AP	Anpu						15																	
TWN	-	425	KT	Hengchun						14																	
TWN	-	430	ZN	Taitung						15																	
USA	AL	245	MG	Montgomery														02		08			07		23		
USA	AL	248	MO	Mobile														00		01					23		
USA	AL	426	FTP	Fort Payne			06	04			04				09	04	03	00	08	23		03	04	01	01		
USA	AZ	245	AVQ	Marana Tucson			09				00	09	01	03	02	01										10	
USA	DE	248	IL	Wilmington																		02	18	22			
USA	FL	257	SQT	Melbourne			05	05			03					02	11	01		00		02	00	00	08		
USA	GA	242	LKG	Americus							06							00		00					23		
USA	GA	245	GTP	Thomasville							06							02		00					23		
USA	GA	245	JYL	Sylvania							06						03	01		03		04	00		23		
USA	GA	424	RVJ	Reidsville			06	06								03	03	00		23		03		00	01		
USA	GA	426	IZS	Montezuma				04									11	00		23		03	04	01	06		
USA	IA	257	PEA	Pella			08				03		06			03		18	21	19					01		
USA	IA	426	EN.	Council Bluffs			08				04					01		18	09	00					01		
USA	IA	428	POH	Pocahontas			07	03			07	09	06	04	06	01	03	18	21	23		03		07	01	09	
USA	IL	240	CJ	Springfield							05				08	04		18		18					23		
USA	IL	251	JZY	Macomb			08				08					02		18		18					23		
USA	IL	254	BOZ	Sterling Rockfalls Whiteside.							08							18		19					01		
USA	IL	257	FWC	Fairfield							01					03		18		19	04				08		
USA	IN	245	HU	Terre Haute														18		18					08		
USA	IN	254	HLB	Batesville														18		07					06		
USA	KS	420	PK	Olathe			08				05				09	03		18		19					09		
USA	KY	242	LE	Lexington														19		00		01			04		
USA	LA	245	PTN	Patterson							04																
USA	ME	240	LE	Auburn Lewiston				02														17					
USA	MI	254	MB	Manistee														18		08					05		
USA	MI	257	MB	Saginaw			07											18		03					01		
USA	MN	251	BR	Brainerd			06					07				09		18	21	06					04		

USA	MN	253	GB	Marshall			10				01	09		05		01		18	21	19					06		
USA	MN	257	SAZ	Staples			07				08					08		18	21	12							
USA	MN	420	FQ	Fairmont			08	05			02	06	07		09	02		18	21	19		04		07	09		
USA	MO	248	CG	Cape Girardeau							08							18		18					09		
USA	MS	426	UV	Oxford												03		00		23					01		
USA	MT	245	CRR	Circle			06				00	09	08	04	07	00		18		06					02	08	06
USA	NC	254	LLW	Elizabeth City				05			07							01		01		02	06	22	23		
USA	NC	257	ETC	Tarboro														01		23		02			08		
USA	NC	257	ME	Maxton																		03					
USA	NC	423	SIF	Reidsville														00		23		03			01		
USA	NC	432	IZN	Lincolnton			07	07			05					04	03	00	09	23		03	00	22	01		
USA	NE	257	JYR	York							03					19		18		19					02		
USA	NE	422	EA	Kearney Anoke.			08				02	13			09	01		00	05	00					09		
USA	NJ	254	CAT	Chatham																		18	18				
USA	NM	251	SV	Silver City							00	09	02			01									01		
USA	NY	245	ALP	Elmira																		09					
USA	NY	257	GTB	Fort Drum																		03					
USA	OH	245	PWF	Batavia														18		11							
USA	OH	250	UGS	Athens Albany							07	07				04		18		01		03	06	02	23		
USA	OH	253	DD	Columbus							07				07	06		18		19		03	06		23		
USA	OH	423	PCW	Port Clinton				03										00		23		03			01		
USA	OK	425	PFL	Fort Sill			06				02	09	04			01		00		23					03		
USA	SC	245	UDG	Darlington														00		00		02	06		23		
USA	SC	248	FRT	Spartanburg			08	04			00					02	11	01	05	00		02	00	00	23		
USA	SC	252	SMS	Sumter							06						03	01		01		03	06		23		
USA	SC	257	CEU	Clemson														02		01					02		
USA	SC	420	CFY	Lake City				06									03	01		23		03	04	02			
USA	TN	242	MMI	Athens			08				05				07	04	08	00		18	03	02	07	07	23		
USA	TN	255	FYE	Somerville							01				06	01		01		19		04			06		
USA	TX	242	EL	El Paso			07				00	09	01	03	02	23		01	05	00					23	03	08
USA	TX	245	ARM	Wharton							05		05			01		01	05	03					19		
USA	TX	248	PQF	Mesquite			07				00	06	05	06		23		01	06	00					20		
USA	TX	251	AM	Amarillo			08	08	07		01	09	01	04	04	19		18	06	00					20	09	08
USA	TX	253	OC	Nacogdoches							01				07	03		01		01					20		
USA	TX	255	BS	Austin																					06		
USA	TX	257	DT	Denton							01					03		01		07					08		
USA	TX	421	VLY	McKinney			04	04			02	09	05	06	04	01		01	05	23		03			09	08	
USA	VA	245	LUA	Luray				05										11		01		02	05	03			
USA	WA	240	BVS	Burlington Mt Vernon		06	02					11		04	04											18	02
USA	WA	256	LSO	Kelso			04					06		04	06											18	02
USA	WY	257	HCY	Cowley			12				01	09	04		06	01		12								10	08
XOC	-	420	V7BE2	Deepwater Thalassa (G.Mexico)			06	08			05				07	02		01		23					09		
XON	NS	244	3W	Goldboro Platform off NS				15														04					
XON	NS	252	3S	Thebaud Platform Sable Is.				05																			
XUA	-	245	WL	(UNID)						14																	
XUA	-	254	DM	(UNID)						12																	
XUA	-	422	Z	(UNID)						12																	

XUA	-	425	PP	(UNID)						13																		
Cou	St	kHz	Call	Location	AUS TA et	CAN BC bt	CAN BC sm	CAN NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so

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	CAN BC bt	CAN BC sm	CAN NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so
ALS	Alaska (US State)	-			3		1			1															
AUS	Australia	NW	2																						
AUS	Australia	QD	2																						
AUS	Australia	SA	1																						
AUS	Australia	TA	1																						
AUS	Australia	WE	2																						
BRA	Brasil	-				1														1			1		
CAN	Canada	AB		3	4				3	4	1	2	3	2		2		2					3	3	3
CAN	Canada	BC		7	7		3		3	6	3	6	6	3		4		3	1				4	7	4
CAN	Canada	MB			2				3	2	2	1	3	3		3	3	3				1	2	2	2
CAN	Canada	NL				1														1	1				
CAN	Canada	NT		1	1																				
CAN	Canada	NU		1	2	1										3				1			2	1	1
CAN	Canada	ON			3	5			5	3	2	2	2	4	1	6	4	6		6	2	1	6		
CAN	Canada	PE				1			1							1		1		1	1	1	1		
CAN	Canada	QC				5			3		1		2	2	1	4	1	3	1	3	4	3	4		
CAN	Canada	SK		1	1				1	1	1	1	1	1		1	1	1					1	1	1
CAN	Canada	YT		1	1																			1	
CHL	Chile	-																1					1		
CHN	China (PRC)	-						6																	
CLM	Colombia	-				1														1					
CUB	Cuba	-							1							1							1		
GAL	Galapagos Is.	-																					1		
HWA	Hawaii (US State)	-					1																		
JPN	Japan	-					1																		
NZL	New Zealand	-	3																						
RSE	Russia (East)	-								1															
TWN	Taiwan (ROC)	-						3																	
USA	USA	AL			1	1			1				1	1	1	3	1	3		1	2	1	3		
USA	USA	AZ			1				1	1	1	1	1	1										1	
USA	USA	DE																		1	1	1			
USA	USA	FL			1	1			1					1	1	1		1		1	1	1	1		
USA	USA	GA			1	2			3					1	3	5		5		3	2	2	5		
USA	USA	IA			3	1			3	1	2	1	1	3	1	3	3	3		1		1	3	1	

Cou	Country	St	AUS TA et	CAN BC bt	CAN BC sm	CAN NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so
USA	USA	IL			1				4				1	3		4		4	1				4		
USA	USA	IN														2		2					2		
USA	USA	KS			1				1				1	1		1		1					1		
USA	USA	KY														1		1		1			1		
USA	USA	LA							1																
USA	USA	ME				1														1					
USA	USA	MI			1											2		2					2		
USA	USA	MN			4	1			3	3	1	1	1	4		4	4	4		1		1	3		
USA	USA	MO							1							1		1					1		
USA	USA	MS												1		1		1					1		
USA	USA	MT			1				1	1	1	1	1	1		1		1					1	1	1
USA	USA	NC			1	2			2					1	1	4	1	4		5	2	2	4		
USA	USA	NE			1				2	1			1	2		2	1	2					2		
USA	USA	NJ																		1	1				
USA	USA	NM							1	1	1			1									1		
USA	USA	NY																		2					
USA	USA	OH				1			2	1			1	2		4		4		3	2	1	3		
USA	USA	OK			1				1	1	1			1		1		1					1		
USA	USA	SC			1	2			2					1	3	5	1	5		4	4	2	4		
USA	USA	TN			1				2				2	2	1	2		2	1	2	1	1	2		
USA	USA	TX			4	2	1		7	4	5	4	4	7		7	5	7		1			8	3	2
USA	USA	VA				1										1		1		1	1	1			
USA	USA	WA		1	2					2		2	2											2	2
USA	USA	WY			1				1	1	1		1	1		1								1	1
XOC	Offshore - C.America/Caribbean	-			1	1			1				1	1		1		1					1		
XON	Offshore - NA	NS				2														1					
XUA	UNID	-						4																	

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 NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so
00:00 - 00:59		1					8					1		14		16			8	4			
01:00 - 01:59							11		4			15		20		9		2		2	15		
02:00 - 02:59			1	9			5		1		3	6		3				14		4	4		5
03:00 - 03:59		5	3	5			4			5	5	8	9		1	4	2	15		1	3	1	3
04:00 - 04:59		1	4	6			3		2	7	4	9					2	4	4		2	1	
05:00 - 05:59			1	6			14		3	4					6				2	2	3		
06:00 - 06:59		5	10	2			7	3	4	5	8	2			5	5			6		9	3	3
07:00 - 07:59		2	6	2	4		5	2	8	1	9				1	2			3	4		1	2
08:00 - 08:59			18	2			4		1		3	1	1		2	4					7	4	4

UTC (hh)	AUS TA et	CAN BC bt	CAN BC sm	CAN NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so
09:00 - 09:59	1		2					23			4	1			2			1			14	2	
10:00 - 10:59	7		1					3							1							2	
11:00 - 11:59	2							1					3	8		2						5	
12:00 - 12:59	1		1		2	2		2						3		4							
13:00 - 13:59						2		1															
14:00 - 14:59			3			3																	
15:00 - 15:59			2	1		6																	
16:00 - 16:59																							
17:00 - 17:59																		4					
18:00 - 18:59														32		7		1	2			5	
19:00 - 19:59												3		2		9					1		
20:00 - 20:59																					3		
21:00 - 21:59		1													7								
22:00 - 22:59					1													2		3			
23:00 - 23:59												5				14		1			20		
Totals:	11	15	52	33	7	13	61	35	23	22	36	51	13	82	25	76	4	44	25	20	81	24	17

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	CAN BC bt	CAN BC sm	CAN NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so
6	240	1	1	1	2			1	1		1	2	1		1		2		2			3	1	1
3	241			1	1		1	1							2		1		2			2		
10	242	3	2	4		3		4	3	2	3	4	3	1	6	1	5	2	2	1	1	6	3	3
1	243				1			1				1			1		1			1	1	1		
4	244			1	2		1	2				2	2		2	1	2	1	2	1	1	1		
16	245		1	5	2		1	7	3	4	3	3	4	2	10	2	10		5	5	2	8	3	2
2	246		1	1																		1	1	
3	247			1	1		1	1	1	1			1		1	1	1		1	1		1		
14	248	1	3	6	4			6	4	4	4	3	5	2	8	4	8		4	3	4	8	4	2
0	249																							
6	250		1	2	1		1	3	3	1	1	2	2		4	1	2		2	2	1	4	2	2
8	251	2	1	5	1	3		4	5	3	2	2	5		4	2	4					5	2	2
2	252				1			1						1	1		1		1	1		1		
3	253			1				3	1		1	2	3		3	1	3		1	1		3		
13	254	3	3	3	2		1	5	2		1	2	1		6		6		3	3	2	7	2	2
2	255							1				1	1		1		1		1			2		
4	256			2					2		1	1			2							1	1	1
19	257	1	2	7	4	1		10	3	4	2	3	10	1	13	4	12	1	7	2	1	11	3	2
1	258			1				1	1		1	1	1		1	1	1					1		

NDBs	kHz	AUS TA et	CAN BC bt	CAN BC sm	CAN NS vm	HWA mx	TWN hf	USA AZ sr	USA CA c9	USA CA dn	USA CA ir	USA CA pa	USA CO ac	USA FL cg	USA IL dt	USA MN gs	USA MO dp	USA NE ru	USA NH jc	USA NJ ge	USA NJ rs	USA TX du	USA WA rt	USA WA so
0	259																							
5	420			3	4			3	1	1		3	3	1	4	1	4		3	1	2	3		
1	421			1	1			1	1	1	1	1	1		1	1	1		1			1	1	
2	422			1			1	1	1			1	1		1	1	1					1		
2	423				1										2		2		2			2		
1	424			1	1								1	1	1		1		1		1	1		
4	425			1			3	1	1	1			1		1		1					1		
5	426			2	2		1	2				1	3	2	4	2	4		2	2	2	4		
0	427																							
1	428			1	1			1	1	1	1	1	1	1	1	1	1		1		1	1	1	
0	429																							
1	430						1																	
0	431																							
2	432			1	1		1	1					1	1	1	1	1		1	1	1	1		
0	433																							
0	434																							
0	435																							
0	436																							
1	437								1															
0	438																							
0	439																							

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 and Hans's entries are better seen from the main 'Beacons Heard' list.

kHz	C/S	Location	St	ITU	**Rptr**	UTC
437	OG	Okha Novostroyka	-	RSE	**c9**	12:30
256	YCY	Clyde River	NU	CAN	**dt**	11:33
246	IBL	Isabela.	-	GAL	**du**	06:54
255	BS	Austin	TX	USA	**du**	06:08
247	YDP	Nain	NL	CAN	**ge**	05:00
257	ME	Maxton	NC	USA	**jc**	03:22
257	GTB	Fort Drum	NY	USA	**jc**	03:24
245	ALP	Elmira	NY	USA	**jc**	09:56
242	HN	Honolulu Ewa Beach	-	HWA	**mx**	22:00
257	CI	Chichijima	-	JPN	**mx**	12:21
248	GLA	Gulkana	-	ALS	**sm**	06:30
245	HNS	Haines	-	ALS	**sm**	15:00
245	PTN	Patterson	LA	USA	**sr**	04:48
252	3S	Thebaud Platform Sable Is.	NS	XON	**vm**	05:20

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN:	CLE197	240-259.9 + 420-459.9 kHz	21-24 Aug. 2015
NOW:	CLE213	240-259.9 + 420-459.9 kHz	25-28 Nov. 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
CAN BC bt		955		14		15		1896
CAN NS vm		1798		59		33		4856
HWA mx		4203		29		7		6059
USA AZ sr		2229		136		61		4304
USA CA c9		2206		77		35		7049
USA CA ir		1695		37		22		3207
USA MN gs		960		24		25		1826
USA NE ru		1465		6		4		2146
USA NH jc		1247		55		44		4848
USA NJ rs		999		20		20		2136
USA WA rt		1216		29		24		2685
Averages:		1725		44		26		3728

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	1147	1863	16	20	14	11	2412	3164
CAN BC sm	1464	2023	51	105	35	52	3042	4289
TWN hf	38	836	0	8	1	9	38	1528
USA CA dn	1471	2038	15	47	10	23	2267	4462
USA CA pa	1795	2213	36	80	20	36	3259	4545
USA CO ac	1316	1430	21	73	16	51	2611	2860
USA FL cg	667	884	8	11	12	13	1975	1975
USA IL dt	983	1214	50	100	51	82	2951	3354
USA MO dp	906	1154	42	88	46	76	2846	7215
USA NJ ge	795	925	10	23	13	25	1452	2049
USA TX du	1126	1672	45	135	40	81	3028	6699
USA WA so	749	1113	10	19	13	17	1641	2586
Averages:	1038	1447	25	59	23	40	2294	3727
% Increase:		39		133		76		63

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**

This table will be included with the Europe listeners' results.

CLE213a5.xls
bk 30 Nov. 2015