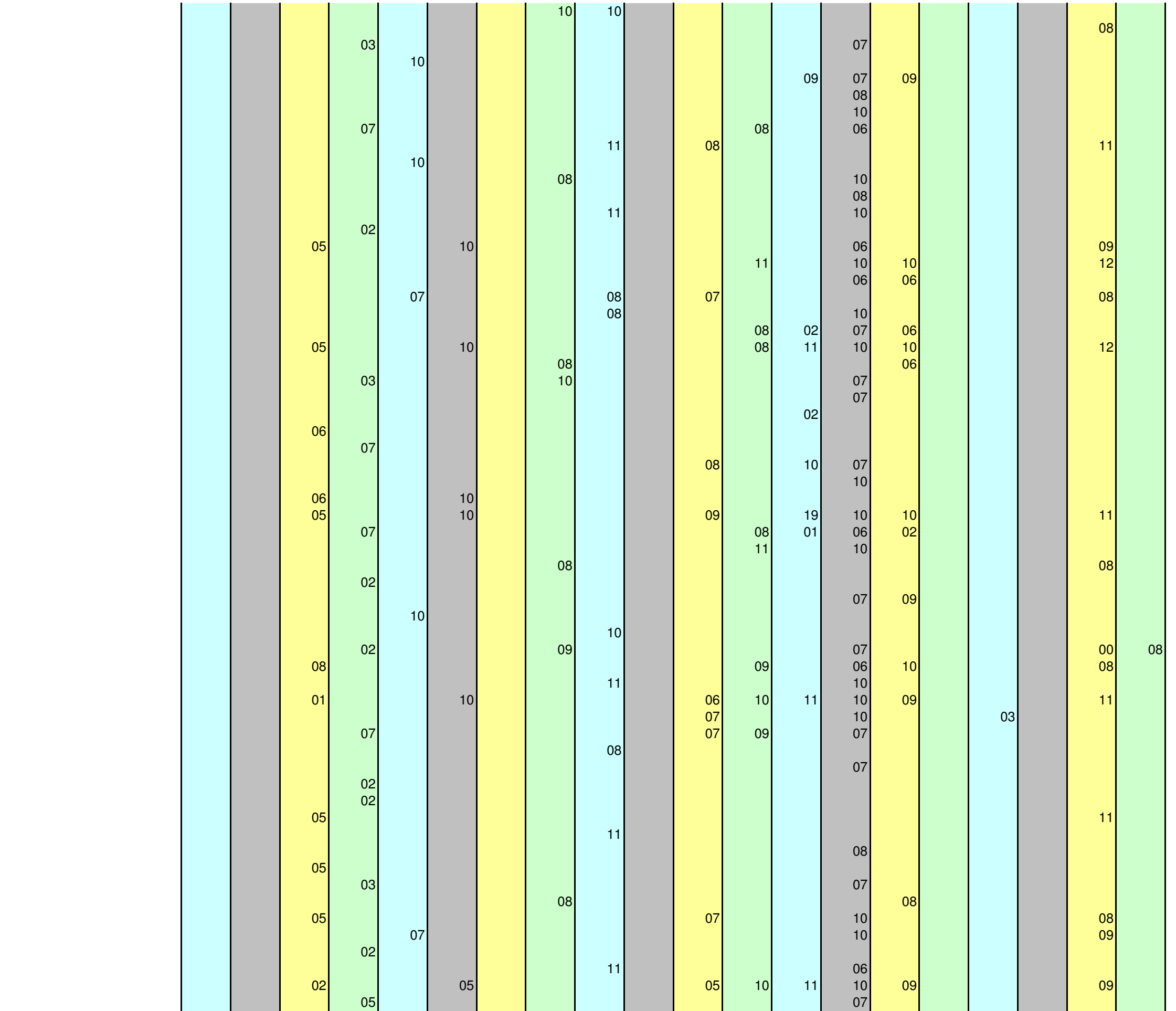
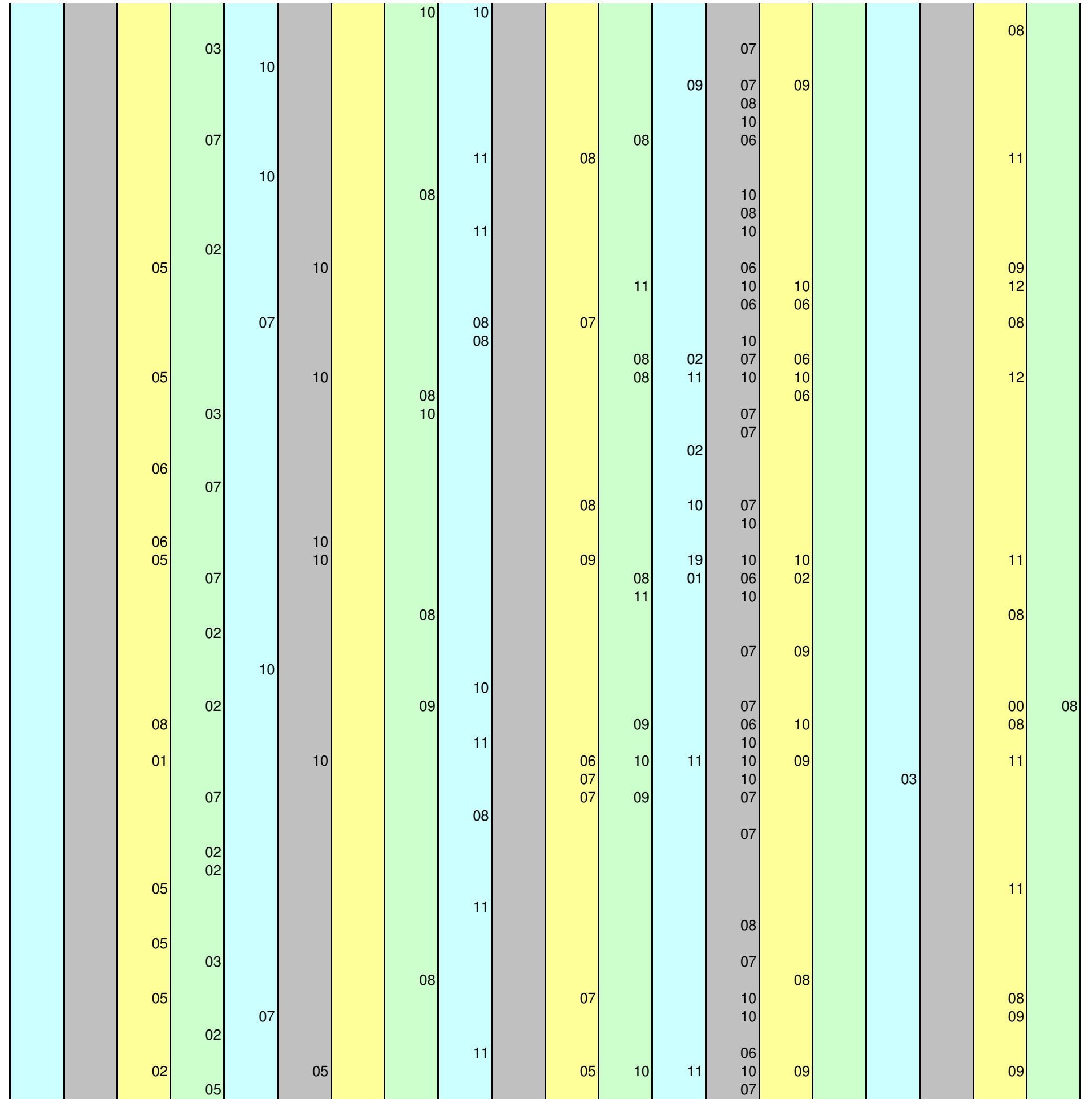


ALS	385.0 OCC	Ocean Cape' Yakutat								11									
ALS	390.0 AES	Nabesna' Northway								12									
ALS	390.0 HBT	Sand Point (Borland)			08				10										12
ALS	391.0 EEF	Elephant' Sisters Island								11									
ALS	394.0 RWO	Woody Island' Kodiak							12										
ALS	399.0 SRI	Pribilof' St George							12										
ALS	414.0 IME	Mount Edgecumbe' Sitka							13										
ALS	525.0 ICW	Ice Pool' Nenana							13										
ATG	369.0 ZDX	Coolidge Saint Johns					02								04	08		02	
AUI	282.5 RT	Avera (Rurutu Island)	12																
AUS	212.0 IFL	Innisfail	13																
AUS	218.0 WBR	Warburton Range	13																
AUS	233.0 AYE	Ayers Rock	12																
AUS	233.0 NWN	Newman	12																
AUS	240.0 ABA	Albany	21																
AUS	242.0 LT	Launceston	13																
AUS	245.0 HLC	Halls Creek	12																
AUS	257.0 RK	Rockhampton	12																
AUS	264.0 CCY	Cloncurry	12																
AUS	266.0 MTG	MOUNT GAMBIER		10															
AUS	268.0 FRT	Forrest	12																
AUS	269.0 CV	Charleville						14											
AUS	272.0 TNK	Tennant Creek	12																
AUS	276.0 TVL	Townsville	12																
AUS	278.0 CG	Coolangatta										11							
AUS	278.0 PBO	Paraburdoo	12									12							
AUS	287.0 KG	Kalgoorlie	12																
AUS	287.0 LEC	Leigh Creek		10															
AUS	293.0 CUN	Cunderdin	12																
AUS	302.0 WYY	WYNYARD	13																
AUS	308.0 MK	Mackay	12																
AUS	311.0 EDN	Edinburgh		10															
AUS	311.0 NTN	Normanton	12																
AUS	320.0 BRM	Broome	12																
AUS	323.0 CAR	Carnarvon	12																
AUS	326.0 ESP	Esperance	12																
AUS	332.0 KII	KING ISLAND	13																
AUS	335.0 AS	Alice Springs	12																
AUS	338.0 MA	Mount Isa	12																
AUS	340.0 PEA	Pearce	12																
AUS	353.0 LRE	Longreach	12																
AUS	356.0 HID	Horn Island	12																
AUS	356.0 TN	Tindal	12																
AUS	359.0 GEL	Geraldton	12																
AUS	364.0 CS	Cairns	12																
AUS	371.0 HUG	Hughenden	13																
AUS	371.0 WHA	Whyalla		10															
AUS	372.0 GIG	Gingin	13																
AUS	377.0 LEO	Leonora	20																
AUS	377.0 WP	Weipa	13																
AUS	386.0 BLN	Busselton	13																
AUS	389.0 PLC	Port Lincoln		10															
AUS	396.0 LM	Learmonth	13																
AUS	398.0 BOU	Boulia	13																
AUS	401.0 MGD	Maningrida	13																
AUS	404.0 COE	Coen	13						11										
AUS	404.0 KA	Karratha	13																
AUS	416.0 PF	Parafield		10															
AZR	380.0 FIL	Horta / Faial Island					00												
BAH	281.0 ZSJ	Guanahani' San Salvador (San Salvador Island)					07						10	04	07				

CAN 334.0 YER Fort Severn
CAN 335.0 YLD Chapleau
CAN 336.0 BV Champlain
CAN 338.0 5Y Trenton
CAN 338.0 YPX Puvirnituk
CAN 338.0 ZEM Eastmain
CAN 338.0 ZU Whitecourt
CAN 340.0 YY Mont Joli
CAN 341.0 DB Burwash
CAN 341.0 GF Aylesford (Greenwood)
CAN 341.0 YYU Kapuskasing
CAN 343.0 YGO Gods Lake Narrows
CAN 343.0 YZH Slave Lake
CAN 343.0 ZBM Bromont
CAN 344.0 XX Abbotsford
CAN 344.0 YC Calgary
CAN 344.0 YGV Havre St Pierre
CAN 346.0 YXL Sioux Lookout
CAN 347.0 PA Prince Albert
CAN 350.0 DF Deer Lake
CAN 350.0 NY Enderby
CAN 350.0 RB Resolute Bay
CAN 351.0 YKQ Waskaganish
CAN 355.0 YWP Webequie
CAN 356.0 AY St Anthony
CAN 356.0 ON Okanagan' Penticton
CAN 356.0 YBG Bagotville
CAN 356.0 ZF Yellowknife
CAN 356.0 ZXE Barnes (Saskatoon)
CAN 359.0 YAZ Tofino
CAN 359.0 YQZ Quesnel
CAN 360.0 PN Port-Menier / Ile Anticosti
CAN 362.0 6T Foremost
CAN 362.0 SB Sudbury
CAN 362.0 SC Sherbrooke
CAN 362.0 YZS Coral Harbour
CAN 364.0 ZHZ Split Crow' Halifax
CAN 365.0 MA Mayo
CAN 366.0 YMW Maniwaki
CAN 368.0 SX Skookum (Cranbrook)
CAN 368.0 VX Dafoe
CAN 368.0 ZP Sandspit
CAN 370.0 YBV Berens River
CAN 371.0 GW Jarpik Kuujuarapik
CAN 372.0 YCO Coppermine / Kugluktuk
CAN 372.0 ZPA Glass (Prince Albert)
CAN 373.0 2Q Mont-Laurier
CAN 373.0 YXK Rimouski
CAN 374.0 EX Rutland (Kelowna)
CAN 375.0 FS Fort Simpson
CAN 377.0 YRR Greely (Ottawa)
CAN 378.0 AP Active Pass (Mayne Island)
CAN 378.0 RJ Roberval
CAN 378.0 UX Hall Beach
CAN 382.0 YE Fort Nelson
CAN 382.0 YPL Pickle Lake
CAN 384.0 F8 Victoriaville
CAN 385.0 QV Yorkton
CAN 385.0 WL Williams Lake
CAN 385.0 YNC Wemindji



INS	300.0 OY	Bandung	12																		
INS	300.0 ZF	Timika	12																		
INS	365.0 OL	Balikpapan	15																		
INS	370.0 BM	Batam, Riau	14																		
INS	375.0 OJ	Hasanuddin	13																		
INS	385.0 OK	Kupang	13																		
INS	390.0 OU	Banjarmasin	17																		
MDW	400.0 MDY	Midway' Gooneyville (Sand Island)						10													
MEX	400.0 ENS	Ensenada (Baja California)						06													
MHL	316.0 MAJ	Majuro Atoll (Dalap Island)	12					15													
MHL	359.0 NDJ	Bucholz (Kwajalein)	12					14													
MRA	332.0 GRO	Rota IAP - Northern Mariana Islands	14																		
MTS	343.0 ML	Minami Tori Shima	12						12										12		
NCL	250.0 KC	Koumac	13																		
NCL	256.0 TH	Touho	14																		
NCL	305.0 KQ	KONE	12																		
NCL	325.5 NW	La Tontouta	12																		
NCL	338.0 AV	La Tontouta	12																		
NCL	354.0 FND	La Tontouta	12																		
NCL	388.0 MR	Mare	13																		
NCL	394.0 MG	Magenta	14																		
NCL	402.0 OA	Ouvea	13																		
NFK	260.0 NF	Anson's Point (Norfolk Is)	12						10												
NIU	345.0 NU	Niue	12																		
NRU	355.0 NI	Nauru	12																		
NZL	226.0 FY	Ferry	12																		
NZL	226.0 KK	Kerikeri	12																		
NZL	230.0 AP	Taupo	12																		
NZL	238.0 KT	Kaitaia	12					14													
NZL	242.0 PP	Paraparaumu	12																		
NZL	254.0 WI	Waiuku	12																		
NZL	274.0 GB	Great Barrier Island	12																		
NZL	314.0 RD	Miranda	17																		
NZL	322.0 CI	Chatham Islands	12																		
NZL	326.0 WR	Whangarei	12																		
NZL	346.0 TG	Tauranga	12																		
NZL	350.0 KI	Kaikoura	12																		
NZL	350.0 SY	Surrey	12																		
NZL	358.0 NL	Newlands	12																		
NZL	366.0 SF	Springfield	12																		
NZL	382.0 WU	Wanganui	13																		
NZL	390.0 HN	Hamilton	13																		
NZL	1630.0 TM	Taumarunui	12																		
OCE	377.5 MO	Teavaro (Moorea Island) (Iles du Vent)							07												
PNG	218.0 LHR	Lihir/Kunaye	15																		
PNG	388.0 LAE	Lae	17																		
PTR	391.0 DDP	San Juan / Dorado / Luiz Munoz Marin Intl				02	02	05		08	07		03	06	01		01	00	01	08	00
SLM	348.0 HN	Honiara	12					14													
SMA	403.0 TUT	Tafuna (Tutuila Island)	10							12											
SMO	270.0 FA	Apia (Upolu Island)	13					14		12											
THA	410.0 SK	Songkhla	13																		
TRD	323.0 TAB	Crown Point					02												09		
TRD	382.0 TRI	Piarco' Port of Spain					02														
TUA	376.0 NP	Napuka																		12	
TUV	340.0 FU	Funafuti	12																		
TWN	380.0 YU	Hualien	17																		
TWN	415.0 KW	Hengchun	16																		
USA	198.0 DIW	Dixon							10	07										06	14
USA	201.0 IP	Mobile												11						13	
USA	203.0 TCY	Tracy									04							20			

USA	284.0	FHR	Friday Harbor						23											
USA	293.0	UI	Quincy										18							
USA	308.0	UTS	Huntsville											13		18				
USA	320.0	TY	Tyler / Indoo											13						
USA	321.0	FT	Skipi' Bennett (Denver)						23											
USA	323.0	GR	Starn' Fort Hood (Kileen)											13						
USA	326.0	BVP	Houston											13						
USA	326.0	MA	Farly' Midland											13						
USA	326.0	PKZ	Pickens' Pensacola					08												
USA	326.0	SU	Snoop' Saint Louis										06							
USA	328.0	BZJ	Bellgrove' Indiantown Gap														05			
USA	328.0	LAC	Lacomas' Fort Lewis						03											
USA	329.0	AAA	Abraham' Lincoln										18			18				
USA	329.0	CH	Ashly' Charleston																	03
USA	330.0	MF	Missi' Mc Allen											05						
USA	332.0	CZX	Crosbyton											13						
USA	332.0	DN	Julip' Danville										18			18				
USA	332.0	FIS	Fish Hook' Key West					01			07		04		01	04				
USA	332.0	HK	Tawba' Hickory																	03
USA	332.0	RPF	Carthage											13						
USA	335.0	CC	Kanan' Concord										06					21		
USA	335.0	DR	'Kotti' Del Rio											05						
USA	335.0	IHS	Ironhorse' Fort Carson																	23
USA	338.0	HR	Sebas' Harlingen											13						
USA	338.0	K	'Ediz Hook' Port Angeles						03											
USA	338.0	POB	Pope' Fayetteville																	15
USA	338.0	RYN	Ryan' Tucson										09					13		
USA	341.0	DNI	Denison											13						
USA	341.0	HRX	Hereford											10						
USA	344.0	CGQ	Powell' Corsicana											13						
USA	344.0	FCH	Chandler' Fressno				05			13								21		
USA	344.0	IWJ	Early County' Blakely																	10
USA	344.0	JA	Dinns' Jacksonville					08			08									03
USA	344.0	JL	Lunns' Joplin																	
USA	344.0	MK	Kenzy' Kansas City										10			23				
USA	344.0	SKB	Scotland' Wichita Falls											13						
USA	346.0	VU	Aller' Albemarle																	10
USA	347.0	ATA	Atlanta											13						
USA	347.0	HLR	Hood' Fort Hood (Killeen)											13						
USA	348.0	MNC	Mason Co' Shelton																	23
USA	349.0	APG	Aberdeen' Aberdeen Proving Grounds															01		
USA	349.0	GW	Teock' Greenwood								08									
USA	350.0	OKT	Yoakum																	
USA	350.0	CP	Acore' Cahokia / St Louis											18			18			
USA	350.0	LF	Flufy' Lufkin											13						
USA	350.0	RG	Gally' Oklahoma City					08			11									
USA	353.0	AB	Tomhi' Abilene											13						
USA	353.0	IN	Raize' International Falls					08												
USA	353.0	LI	Lasky' Little Rock																	
USA	353.0	RNT	Renton																	23
USA	356.0	GMZ	Grindstone Mountain' Bowie											13						
USA	356.0	PI	Tungg' Peoria											18			18			
USA	356.0	SJ	Woole' San Angelo											13						
USA	359.0	BO	Ustik' Boise											11						
USA	359.0	RSY	Robeson' Lumberton																	22
USA	359.0	SDR	Snyder											13						
USA	362.0	BF	Nolla' Seattle																	23
USA	363.0	RNB	Rainbow' Millville															18		08
USA	365.0	AA	Kenie' Fargo										05							
USA	365.0	FT	Mufin' Fort Worth											13						

PNG	Papua New Guinea,	2																				
PTR	Puerto Rico, PR				1	1	1		1	1			1	1	1		1	1	1		1	1
SLM	Solomon Islands,	1																				
SMA	Samoa, American,	1																				
SMO	Samoa, Western,	1																				
THA	Thailand,	1																				
TRD	Trinidad & Tobago,					2														1		
TUA	Tuamotu Archipelago,																				1	
TUV	Tuvalu,	1																				
TWN	Taiwan,	2																				
USA	USA, AR												1									
USA	USA, AZ													2								7
USA	USA, CA			1			2					8	1	1	1				7			
USA	USA, CO								5													
USA	USA, DE																					
USA	USA, FL					4																1
USA	USA, GA					1					3	1		2		1				1		3
USA	USA, IA																					
USA	USA, ID																					
USA	USA, IL					1								25		3						
USA	USA, IN					1										25						
USA	USA, MD																					
USA	USA, MN					1							2									
USA	USA, MO												1									
USA	USA, MS												12									
USA	USA, NC								1												1	19
USA	USA, ND																					
USA	USA, NE																					
USA	USA, NH																					
USA	USA, NJ																			3		1
USA	USA, OK					1																
USA	USA, OR						1															
USA	USA, PA																					
USA	USA, SC																					
USA	USA, SD																					6
USA	USA, TX																					
USA	USA, VA															50						
USA	USA, WA							12						2								1
VOI	Volcano Islands / Iwo Jima (JPN),	1																				
VRG	Virgin Islands (British),																					
VUT	Vanuatu,	2																				
WAL	Wallis Et Futuna,	1					2															
XUN	UNID (N.America?),					1																
ITU	ITU_Name	AUS et	AUS rw	CAN bt	CAN ky	CAN vm	HWA mx	USA so	USA ac	USA c9	USA cg	USA dn	USA dp	USA dt	USA du	USA fy	USA ge	USA jc	USA pa	USA sr	USA ws	

LISTENING TIMES:

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

UTC (hh)	AUS et	AUS rw	CAN bt	CAN ky	CAN vm	HWA mx	USA so	USA ac	USA c9	USA cg	USA dn	USA dp	USA dt	USA du	USA fy	USA ge	USA jc	USA pa	USA sr	USA ws	
00:00 - 00:59					1		2					3				1	1			1	9
01:00 - 01:59			1	2	2	4							11		2	1	2				
02:00 - 02:59			9	24	6						1	3	5		3		2				
03:00 - 03:59			1	5			4				2	3					2				
04:00 - 04:59			10		3						3			4	1	1					3
05:00 - 05:59			9	1	1	5					6			4		1					2
06:00 - 06:59			11	2	1	2					9	4		23	5					3	
07:00 - 07:59			1	5	8	6		2	8		9	4		16	1						

08:00 - 08:59			4	1	8			11	9	2	3	10		10	2		4		10	2
09:00 - 09:59								2	3	1	6	6	6	10	5		5		3	3
10:00 - 10:59	1	6			9	10		4	21		3	11	15	87	12				4	4
11:00 - 11:59	1	1						1	23			2	19						13	
12:00 - 12:59	65					3		1	17			1							21	
13:00 - 13:59	30					17			2			1		37					6	
14:00 - 14:59	5					10														6
15:00 - 15:59	4					1														4
16:00 - 16:59	1																			
17:00 - 17:59	4																			
18:00 - 18:59	1												24		23	4				
19:00 - 19:59	1										2		1		1					
20:00 - 20:59	1																		1	
21:00 - 21:59	1													4				6		
22:00 - 22:59																				4
23:00 - 23:59					2		6	5				2								
Totals	AUS et	AUS rw	CAN bt	CAN ky	CAN vm	HWA mx	USA so	USA ac	USA c9	USA cg	USA dn	USA dp	USA dt	USA du	USA fy	USA ge	USA jc	USA pa	USA sr	USA ws
	115	7	46	40	41	58	13	25	83	3	44	50	81	185	55	8	16	7	57	34

NDB COUNTS, BY FREQUENCY:

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

QRG	AUS et	AUS rw	CAN bt	CAN ky	CAN vm	HWA mx	USA so	USA ac	USA c9	USA cg	USA dn	USA dp	USA dt	USA du	USA fy	USA ge	USA jc	USA pa	USA sr	USA ws
198.0								1	1										1	1
200.0			1					1			1	1	1	1					1	1
201.0	1			1										1					1	
203.0			1			1					1							1		
204.0					1				1				1	1						
205.0				1																1
206.0			1		1							1	1	1					1	
207.0														1						
208.0													1	1						
209.0				1		1					1						1	1		
211.0														1						
212.0	1													2						
214.0			1			1							1	1					1	
215.0	1								1				1	1						
216.0							1													
218.0	2		1	1		1					2		1	2	1				1	
219.0									1					1						
220.0				1							1			1					1	1
221.0										1			1							
223.0	1		1									1	1	1					1	
224.0									1					2						
225.0													1	1						
226.0	2																			
227.0			1									2	1	2					1	
229.0					1															
230.0	1		1	1	1	1					2	1		2						1
232.0										3			1						1	
233.0	2					1								2						
235.0				1										1					1	
236.0			1										1	3					1	
238.0	1					1														
239.0									1				1	1						
240.0	1						1						1		1					

233.0 BR	Brandon	CAN	USA	c9	1132
269.0 UDE	Delta	CAN	USA	c9	1049
332.0 VT	Buffalo Narrows	CAN	USA	c9	1143
365.0 MA	Mayo	CAN	USA	c9	1026
372.0 YCO	Coppermine / Kugluktuk	CAN	USA	c9	0836
375.0 FS	Fort Simpson	CAN	USA	c9	1132
402.0 L4	Nipawin	CAN	USA	c9	1118
377.5 MO	Teavaro (Moorea Island) (Iles du Vent)	OCE	USA	c9	0738
230.0 BI	Jadan' Bismarck	USA	USA	c9	1124
245.0 FS	Rokky' Sioux Falls	USA	USA	c9	1118
253.0 GB	Garno' Marshall	USA	USA	c9	0936
349.0 GW	Teock' Greenwood	USA	USA	c9	0834
368.0 SOY	Sioux Center	USA	USA	c9	0837
379.0 DL	Pykla' Duluth	USA	USA	c9	1103
400.0 AHQ	Wahoo	USA	USA	c9	1019
221.0 OR	Henry' Orlando	USA	USA	cg	0825
388.0 MM	Fort Mc Murray	CAN	USA	dn	0918
391.0 4W	Kelsey	CAN	USA	dn	0709
353.0 LI	Lasky' Little Rock	USA	USA	dn	0741
365.0 AA	Kenie' Fargo	USA	USA	dn	0516
397.0 SB	Petis' San Bernardino	USA	USA	dn	1900
308.0 ZZD	Calmar (Edmonton Intl Apt)	CAN	USA	dp	1054
227.0 FZ	Eaves' St. Louis	USA	USA	dp	0324
233.0 AZN	Amazon' St. Joseph	USA	USA	dp	1349
260.0 ST	Tario' Saint Joseph	USA	USA	dp	1234
281.0 DMO	Sedalia	USA	USA	dp	2355
326.0 SU	Snoop' Saint Louis	USA	USA	dp	0620
344.0 JL	Lunns' Joplin	USA	USA	dp	1057
344.0 MK	Kenzy' Kansas City	USA	USA	dp	2357
388.0 GLY	Golden Valley' Clinton	USA	USA	dp	0001
391.0 BHN	Buckhorn' Fort Leonard Wood	USA	USA	dp	0001
397.0 JE	Algoa' Jefferson City	USA	USA	dp	0651
400.0 TRX	Trenton	USA	USA	dp	0002
404.0 ST	Zumay' St Louis	USA	USA	dp	0653
221.0 QU	Grande Prairie	CAN	USA	dt	1011
232.0 GP	Gaspe	CAN	USA	dt	0153
280.0 QX	Gander	CAN	USA	dt	0407
281.0 CA	Cartwright	CAN	USA	dt	0211
356.0 AY	St Anthony	CAN	USA	dt	0219
201.0 YKX	Kirkland Lake	CAN	USA	du	0811
207.0 YNE	Norway House	CAN	USA	du	1039
212.0 YGX	Gillam	CAN	USA	du	1039
224.0 MO	Moosonee	CAN	USA	du	0809
227.0 YAC	Cat Lake	CAN	USA	du	1039
235.0 CN	Cochrane	CAN	USA	du	0723
236.0 OW	Ramsayville (Ottawa)	CAN	USA	du	0753
236.0 ZRJ	Round Lake	CAN	USA	du	1039
257.0 YXR	Earlton	CAN	USA	du	0651
263.0 YGK	Kingston	CAN	USA	du	1039
264.0 ZPB	Sachigo Lake	CAN	USA	du	1039
266.0 YFH	Fort Hope	CAN	USA	du	0649
272.0 YLB	Lac La Biche	CAN	USA	du	0753
287.0 PE	Peace River	CAN	USA	du	1039
287.0 YSF	Stony Rapids	CAN	USA	du	1039
290.0 QR	Regina	CAN	USA	du	1039
305.0 Z1	Three Hills	CAN	USA	du	1054
329.0 X2	Athabasca	CAN	USA	du	1039
332.0 XH	Medicine Hat	CAN	USA	du	1039
338.0 ZEM	Eastmain	CAN	USA	du	0826
338.0 ZU	Whitecourt	CAN	USA	du	1039

343.0	YGO	Gods Lake Narrows	CAN	USA	du	0810
355.0	YWP	Webequie	CAN	USA	du	0706
356.0	ZXE	Barnes (Saskatoon)	CAN	USA	du	1039
372.0	ZPA	Glass (Prince Albert)	CAN	USA	du	0706
377.0	YRR	Greely (Ottawa)	CAN	USA	du	0827
388.0	JW	Pigeon' Jumping Pound Creek	CAN	USA	du	1039
390.0	VP	Kuujuaq / Kujack	CAN	USA	du	0825
395.0	YL	Lynn Lake	CAN	USA	du	1039
404.0	YSL	St Leonard	CAN	USA	du	0650
211.0	HDG	Steelhead' Gooding	USA	USA	du	1052
212.0	LIU	Littlefield	USA	USA	du	0454
220.0	HLE	Hailey	USA	USA	du	1053
233.0	VHN	Van Horn	USA	USA	du	1051
242.0	EL	Valtr' El Paso	USA	USA	du	0438
251.0	AM	Pande' Amarillo	USA	USA	du	1315
253.0	OC	Nados' Nacogdoches	USA	USA	du	2125
255.0	BS	Creed' Austin	USA	USA	du	1312
257.0	DT	Pinck' Denton	USA	USA	du	2118
260.0	CL	Rowdy' College Station	USA	USA	du	1313
263.0	LB	Freep' Angleton / Lake Jackson	USA	USA	du	1311
266.0	PYX	Perryton	USA	USA	du	1050
269.0	AHX	Athens	USA	USA	du	1313
272.0	LD	Lubbi' Lubbock	USA	USA	du	1315
275.0	SWW	Sweetwater	USA	USA	du	1315
278.0	IL	Iresh' Killeen	USA	USA	du	1314
281.0	CX	Alibi' Conroe	USA	USA	du	1316
308.0	UTS	Huntsville	USA	USA	du	1311
320.0	TY	Tyler / Indoo	USA	USA	du	1311
323.0	GR	Starn' Fort Hood (Killeen)	USA	USA	du	1311
326.0	BVP	Houston	USA	USA	du	1311
326.0	MA	Farly' Midland	USA	USA	du	1312
330.0	MF	Missi' Mc Allen	USA	USA	du	0508
332.0	CZX	Crosbyton	USA	USA	du	1312
332.0	RPF	Carthage	USA	USA	du	1314
335.0	DR	'Kotti' Del Rio	USA	USA	du	0508
338.0	HR	Sebas' Harlingen	USA	USA	du	1311
341.0	DNI	Denison	USA	USA	du	1311
341.0	HRX	Hereford	USA	USA	du	1051
344.0	CGQ	Powell' Corsicana	USA	USA	du	1315
344.0	SKB	Scotland' Wichita Falls	USA	USA	du	1315
347.0	ATA	Atlanta	USA	USA	du	1316
347.0	HLR	Hood' Fort Hood (Killeen)	USA	USA	du	1315
350.0	LF	Flufy' Lufkin	USA	USA	du	1316
350.0	OKT	Yoakum	USA	USA	du	0552
353.0	AB	Tomhi' Abilene	USA	USA	du	1315
356.0	GMZ	Grindstone Mountain' Bowie	USA	USA	du	1315
356.0	SJ	Woole' San Angelo	USA	USA	du	1315
359.0	SDR	Snyder	USA	USA	du	1315
365.0	FT	Mufin' Fort Worth	USA	USA	du	1315
368.0	AN	Alamo' San Antonio	USA	USA	du	1315
371.0	SOA	Sonora	USA	USA	du	1315
375.0	PSN	Palestine	USA	USA	du	1315
385.0	CPZ	Chaparrosa Ranch' La Pryor	USA	USA	du	1316
391.0	GXD	Nacogdoches	USA	USA	du	1315
393.0	BR	Depoo' Brownsville	USA	USA	du	1047
396.0	CRS	Corsicana	USA	USA	du	1314
400.0	ROB	Robinson' Waco	USA	USA	du	1316
410.0	GG	Veels' Longview	USA	USA	du	1315
428.0	SYW	Cash' Greenville	USA	USA	du	1316
212.0	IFL	Innisfail	AUS	AUS	et	1338

218.0	WBR	Warburton Range	AUS	AUS	et	1340
233.0	AYE	Ayers Rock	AUS	AUS	et	1229
233.0	NWN	Newman	AUS	AUS	et	1230
240.0	ABA	Albany	AUS	AUS	et	2143
242.0	LT	Launceston	AUS	AUS	et	1320
245.0	HLC	Halls Creek	AUS	AUS	et	1232
257.0	RK	Rockhampton	AUS	AUS	et	1236
264.0	CCY	Cloncurry	AUS	AUS	et	1236
268.0	FRT	Forrest	AUS	AUS	et	1237
272.0	TNK	Tennant Creek	AUS	AUS	et	1239
278.0	PBO	Paraburdoo	AUS	AUS	et	1223
287.0	KG	Kalgoorlie	AUS	AUS	et	1240
293.0	CUN	Cunderdin	AUS	AUS	et	1242
302.0	WYY	WYNYARD	AUS	AUS	et	1320
308.0	MK	Mackay	AUS	AUS	et	1224
311.0	NTN	Normanton	AUS	AUS	et	1224
320.0	BRM	Broome	AUS	AUS	et	1245
323.0	CAR	Carnarvon	AUS	AUS	et	1246
326.0	ESP	Esperance	AUS	AUS	et	1247
332.0	KII	KING ISLAND	AUS	AUS	et	1320
335.0	AS	Alice Springs	AUS	AUS	et	1219
338.0	MA	Mount Isa	AUS	AUS	et	1250
340.0	PEA	Pearce	AUS	AUS	et	1250
353.0	LRE	Longreach	AUS	AUS	et	1217
356.0	HID	Horn Island	AUS	AUS	et	1220
356.0	TN	Tindal	AUS	AUS	et	1220
359.0	GEL	Geraldton	AUS	AUS	et	1258
364.0	CS	Cairns	AUS	AUS	et	1259
371.0	HUG	Hughenden	AUS	AUS	et	1301
372.0	GIG	Gingin	AUS	AUS	et	1302
377.0	LEO	Leonora	AUS	AUS	et	2011
377.0	WP	Weipa	AUS	AUS	et	1304
386.0	BLN	Busselton	AUS	AUS	et	1308
396.0	LM	Learmonth	AUS	AUS	et	1310
398.0	BOU	Boulia	AUS	AUS	et	1311
401.0	MGD	Maningrida	AUS	AUS	et	1312
404.0	KA	Karratha	AUS	AUS	et	1314
281.0	NV	Navua	FJI	AUS	et	1222
330.0	NO	Sawani	FJI	AUS	et	1249
364.0	MI	Momi	FJI	AUS	et	1126
385.0	AL	Malolo	FJI	AUS	et	1306
405.0	VK	Navakai	FJI	AUS	et	1313
375.0	TKK	Truk (Weno Island)	FSM	AUS	et	1303
385.0	AJA	MT Macajna	GUM	AUS	et	1517
201.0	WK	Waikabubak	INS	AUS	et	1431
215.0	AL	Halim Perdanakusuma	INS	AUS	et	1530
223.0	PO	Bima	INS	AUS	et	1818
253.0	ZP	MERAUKE	INS	AUS	et	1234
255.0	MD	Manado	INS	AUS	et	1235
255.0	SO	Solo	INS	AUS	et	1922
270.0	OF	YOGYAKARTA	INS	AUS	et	1221
290.0	LW	Lawang	INS	AUS	et	1358
300.0	OY	Bandung	INS	AUS	et	1242
300.0	ZF	Timika	INS	AUS	et	1225
365.0	OL	Balikpapan	INS	AUS	et	1512
370.0	BM	Batam, Riau	INS	AUS	et	1418
375.0	OJ	Hasanuddin	INS	AUS	et	1303
385.0	OK	Kupang	INS	AUS	et	1307
390.0	OU	Banjarmasin	INS	AUS	et	1728
332.0	GRO	Rota IAP - Northern Mariana Islands	MRA	AUS	et	1408

250.0	KC	Koumac	NCL	AUS	et	1348
256.0	TH	Touho	NCL	AUS	et	1445
305.0	KQ	KONE	NCL	AUS	et	1225
325.5	NW	La Tontouta	NCL	AUS	et	1247
338.0	AV	La Tontouta	NCL	AUS	et	1250
354.0	FND	La Tontouta	NCL	AUS	et	1218
388.0	MR	Mare	NCL	AUS	et	1326
394.0	MG	Magenta	NCL	AUS	et	1424
402.0	OA	Ouvea	NCL	AUS	et	1312
345.0	NU	Niue	NIU	AUS	et	1252
355.0	NI	Nauru	NRU	AUS	et	1218
1630.0	TM	Taumarunui	NZL	AUS	et	1217
226.0	FY	Ferry	NZL	AUS	et	1228
226.0	KK	Kerikeri	NZL	AUS	et	1228
230.0	AP	Taupo	NZL	AUS	et	1229
242.0	PP	Paraparaumu	NZL	AUS	et	1231
254.0	WI	Waiuku	NZL	AUS	et	1234
274.0	GB	Great Barrier Island	NZL	AUS	et	1239
314.0	RD	Miranda	NZL	AUS	et	1709
322.0	CI	Chatham Islands	NZL	AUS	et	1245
326.0	WR	Whangarei	NZL	AUS	et	1247
346.0	TG	Tauranga	NZL	AUS	et	1253
350.0	KI	Kaikoura	NZL	AUS	et	1255
350.0	SY	Surrey	NZL	AUS	et	1256
358.0	NL	Newlands	NZL	AUS	et	1220
366.0	SF	Springfield	NZL	AUS	et	1259
382.0	WU	Wanganui	NZL	AUS	et	1305
390.0	HN	Hamilton	NZL	AUS	et	1308
218.0	LHR	Lihir/Kunaye	PNG	AUS	et	1531
388.0	LAE	Lae	PNG	AUS	et	1709
410.0	SK	Songkhla	THA	AUS	et	1316
340.0	FU	Funafuti	TUV	AUS	et	1253
380.0	YU	Hualien	TWN	AUS	et	1707
415.0	KW	Hengchun	TWN	AUS	et	1620
361.0	BA	Bauerfield	VUT	AUS	et	1259
398.0	WG	White Grass	VUT	AUS	et	1328
248.0	IL	Hadin' Wilmington	USA	USA	ge	1800
254.0	CAT	Chatham	USA	USA	ge	1800
328.0	BZJ	Bellgrove' Indiantown Gap	USA	USA	ge	0513
349.0	APG	Aberdeen' Aberdeen Proving Grounds	USA	USA	ge	0137
396.0	NEL	Lakehurst	USA	USA	ge	1805
385.0	PTP	Pointe a Pitre	GDL	USA	jc	0254
362.0	GND	Port Salines' Grand Anse	GRD	USA	jc	0909
209.0	MJ	Lawrence Corner	USA	USA	jc	0009
360.0	BFI	The Mill (Beef Island)	VRG	USA	jc	0903
201.0	GL	La Grande Riviere	CAN	CAN	ky	0859
205.0	YRQ	Trois Rivieres	CAN	CAN	ky	0140
209.0	MT	Chiboo' Chibougamau (Chapais)	CAN	CAN	ky	0654
218.0	YUY	Rouyn	CAN	CAN	ky	0340
235.0	9H	La Grande 3	CAN	CAN	ky	0700
266.0	ZMM	Mirabel' Colomban (Montreal)	CAN	CAN	ky	0208
272.0	ZMR	Mirabel' Montreal	CAN	CAN	ky	0209
275.0	R1	Thetford Mines	CAN	CAN	ky	0226
317.0	ZMX	Janvier / Mirabel (Montreal)	CAN	CAN	ky	0214
323.0	KR	Squaw Schefferville	CAN	CAN	ky	0245
329.0	OU	Ste-Foy	CAN	CAN	ky	0217
343.0	ZBM	Bromont	CAN	CAN	ky	0216
356.0	YBG	Bagotville	CAN	CAN	ky	0729
362.0	SC	Sherbrooke	CAN	CAN	ky	0218
373.0	2Q	Mont-Laurier	CAN	CAN	ky	0201

373.0	YXK	Rimouski	CAN	CAN	ky	0202
384.0	F8	Victoriaville	CAN	CAN	ky	0223
401.0	Y8	Drummondville	CAN	CAN	ky	0225
209.0	CYT	Yakataga	ALS	HWA	mx	1057
347.0	TNC	Tin Clty	ALS	HWA	mx	1354
356.0	HHM	Hotham' Kotzebue	ALS	HWA	mx	1322
414.0	IME	Mount Edgcumbe' Sitka	ALS	HWA	mx	1323
525.0	ICW	Ice Pool' Nenana	ALS	HWA	mx	1309
269.0	CV	Charleville	AUS	HWA	mx	1414
242.0	HN	Ewabe' Honolulu	HWA	HWA	mx	0116
339.0	BSF	Bradshaw' Camp Pohakuloa	HWA	HWA	mx	0555
373.0	HHI	Wheeler' Wahiawa	HWA	HWA	mx	0111
400.0	MDY	Midway' Gooneyville (Sand Island)	MDW	HWA	mx	1041
400.0	ENS	Ensenada (Baja California)	MEX	HWA	mx	0654
378.0	OT	Emire' North Bend	USA	HWA	mx	0707
326.0	FN	Futuna	WAL	HWA	mx	1423
266.0	MTG	MOUNT GAMBIER	AUS	AUS	rw	1015
287.0	LEC	Leigh Creek	AUS	AUS	rw	1015
311.0	EDN	Edinburgh	AUS	AUS	rw	1017
371.0	WHA	Whyalla	AUS	AUS	rw	1020
389.0	PLC	Port Lincoln	AUS	AUS	rw	1021
416.0	PF	Parafield	AUS	AUS	rw	1026
216.0	GRF	Graye AAF (Joint Base Lewis-Mcchord) Airport	USA	USA	so	2351
240.0	BVS	Skagit / Bay View' Burlington / Mt Vernon	USA	USA	so	2352
284.0	FHR	Friday Harbor	USA	USA	so	2353
328.0	LAC	Lacomas' Fort Lewis	USA	USA	so	0309
338.0	K	'Ediz Hook' Port Angeles	USA	USA	so	0314
348.0	MNC	Mason Co' Shelton	USA	USA	so	2357
353.0	RNT	Renton	USA	USA	so	2358
362.0	BF	Nolla' Seattle	USA	USA	so	2359
371.0	YK	Donny' Yakima	USA	USA	so	0341
382.0	AW	Waton' Arlington	USA	USA	so	0000
335.0	YLD	Chapleau	CAN	USA	sr	0801
376.0	NP	Napuka	TUA	USA	sr	1225
206.0	SOW	Show Low	USA	USA	sr	1314
220.0	RBJ	Robles' Tucson	USA	USA	sr	1314
245.0	AVQ	Marana	USA	USA	sr	1315
403.0	AZC	Colorado City	USA	USA	sr	0600
407.0	CHD	Chandler	USA	USA	sr	1317
380.0	FIL	Horta / Faial Island	AZR	CAN	vm	2351
350.0	STM	Santarem (PA)	BRA	CAN	vm	0211
229.0	PD	Port Hawkesbury	CAN	CAN	vm	1016
230.0	AC	Pleasant Lake (Yarmouth)	CAN	CAN	vm	1017
266.0	YZX	Greenwood	CAN	CAN	vm	1018
338.0	5Y	Trenton	CAN	CAN	vm	1019
341.0	GF	Aylesford (Greenwood)	CAN	CAN	vm	1020
364.0	ZHZ	Split Crow' Halifax	CAN	CAN	vm	1021
385.0	ZNS	Midtown' Halifax	CAN	CAN	vm	1022
274.0	SAL	Sal Island / Amilcar Cabral	CPV	CAN	vm	2302
279.0	SI	Simiutaq (Kitaa)	GRL	CAN	vm	2325
372.0	OZN	Prins Christian Sund / Kitaa	GRL	CAN	vm	0200
382.0	SF	Sondrostrom / Kangerlussuaq	GRL	CAN	vm	0424
382.0	TRI	Piarco' Port of Spain	TRD	CAN	vm	0208
326.0	PKZ	Pickens' Pensacola	USA	CAN	vm	0851
353.0	IN	Raize' International Falls	USA	CAN	vm	0810
388.0	CFJ	Crawfordsville	USA	CAN	vm	0732
405.0	5 UNID		XUN	CAN	vm	0721
205.0	GM	WILZE' Wilmington	USA	USA	ws	0001
220.0	HUR	Person	USA	USA	ws	2225
230.0	AQE	Alwood' Greenville	USA	USA	ws	1453

245.0	UDG	Darlington	USA	USA	ws	2229
248.0	FRT	Fairmont' Spartanburg	USA	USA	ws	0005
254.0	LLW	Woodville' Elizabeth City	USA	USA	ws	0006
257.0	ME	Maxtn' Maxton	USA	USA	ws	2232
261.0	OA	Ellas' Jacksonville	USA	USA	ws	0009
263.0	JN	Jurly' Smithfield	USA	USA	ws	1456
271.0	HXO	Huntsboro	USA	USA	ws	1458
274.0	DLC	Dillon	USA	USA	ws	1459
276.0	IS	Stals' Kinston	USA	USA	ws	1459
329.0	CH	Ashly' Charleston	USA	USA	ws	0347
332.0	HK	Tawba' Hickory	USA	USA	ws	0349
338.0	POB	Pope' Fayetteville	USA	USA	ws	1505
344.0	IWJ	Early County' Blakely	USA	USA	ws	1022
346.0	VU	Aller' Albemarle	USA	USA	ws	1024
359.0	RSY	Robeson' Lumberton	USA	USA	ws	2241
367.0	FVX	Farmville	USA	USA	ws	1054
370.0	HYW	Horry' Conway	USA	USA	ws	0017
372.0	UQN	Onyun' Vidalia	USA	USA	ws	0044
379.0	BRA	Broad River' Asheville	USA	USA	ws	0022
388.0	RNW	Chocowinity	USA	USA	ws	1508
393.0	FGP	Fort Bragg	USA	USA	ws	1509
404.0	CKI	Kingstree	USA	USA	ws	0406
412.0	CTZ	Clinton	USA	USA	ws	1510
417.0	SLP	First River' Shelby	USA	USA	ws	0408

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN CLE187 - 190 - 1740 kHz - 24.10. - 27.10.2014
NOW CLE222 - 190 - 1740 kHz - 25.08. - 29.08.2017

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
AUS et	2714	3762	231	433	85	115	9065	9065
AUS rw	1777	527	52	4	29	7	3367	2359
CAN vm	2643	2432	98	97	37	41	6394	5553
HWA mx	4477	4178	358	242	80	58	9423	9423
USA ac	2835	2110	190	53	67	25	5377	4393
USA dn	2550	2771	156	122	61	44	7827	7576
USA dp	2141	2000	203	100	95	50	4666	4657
USA du	2736	2134	468	395	171	185	6203	6203
USA ge	1464	728	19	6	13	8	3212	2683
USA jc	2341	2894	66	46	28	16	4541	5070
USA pa	2542	182	203	1	80	7	6050	517
USA so	1093	417	23	5	21	13	5970	4280
USA sr	3392	3141	268	179	79	57	9670	10096
Averages:	2516	2098	180	129	65	48	6290	5529
% Increase:		-17		-28		-26		-12

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CAN bt		772		35		46		4555
CAN ky		557		22		40		3075

USA c9	3795	315	83	11387
USA cg	106	0	3	206
USA dt	1871	152	81	6588
USA fy	1565	86	55	4460
USA ws	344	12	34	2228
Averages:	1287	89	49	4643
% 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 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.

CLE222_Results_RoW.xls
 je - 02.09.2017